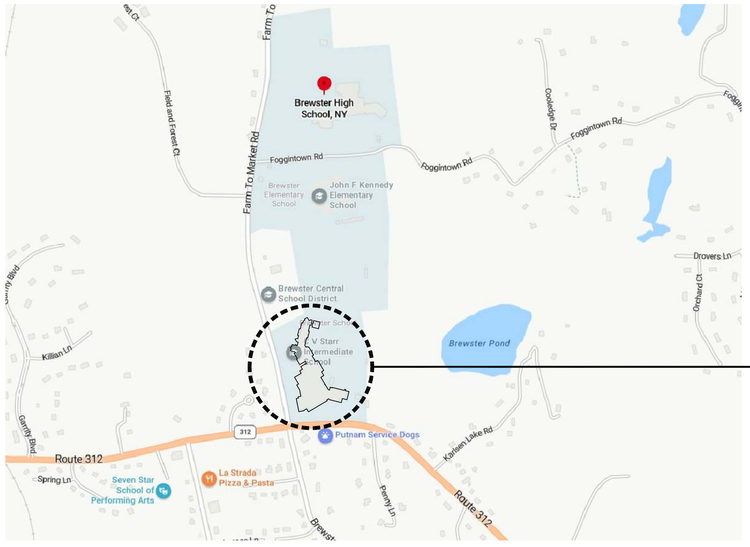
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & RELATED WORK

30 FARM TO MARKET ROAD BREWSTER, NY 10509

SED PROJECT NUMBER:

C.V. STARR INTERMEDIATE SCHOOL: 48-06-01-06-0-001-026



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ARCHITECTS PLANNERS

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DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. T-1
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.02

PLOT DATE: December 06, 2024 - 8:44am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\T-1.dwg

ABBREVIATIONS

& – AND
ACU – AIR CONDITIONING UNIT (S)
ACM – ASBESTOS CONTAINING MATERIAL
ACT – ACOUSTICAL CEILING TILE
ACW – ASBESTOS CONTAINING WASTE
AD – ACCESS DOOR
ADJ – ADJACENT
AFF – ABOVE FINISH FLOOR
AHU – AIR HANDLER UNIT
ALUM – ALUMINUM
ALT – ALTERNATE
AMB – AMBIENT
AMP – AMPERE
APD – AIR PRESSURE DROP
APPROX – APPROXIMATE
A.R. – AREA OF REFUGE
ARCH – ARCHITECTURAL
AVG – AVERAGE

BDD – BACK DRAFT DAMPER
BFW – BOILER FEED WATER
BHP – BRAKE HORSE POWER
BITUM – BITUMINOUS
BLDG – BUILDING
BLK – BLOCK
BTUH – BRITISH THERMAL UNITS/HOUR
BU – BUILT UP
BUR – BUILT UP ROOFING

C – COMMON
CV – COEFFICIENT, VALVE FLOW
CB – CATCH BASIN
C.C – COOLING COIL
CEIL OR CLG – CEILING
CER/CEG – CEILING EXHAUST REGISTER/GRILLE

CFM – CUBIC FEET PER MINUTE
C.H – CEILING HEIGHT
CHWR – CHILLED WATER RETURN
CHWS – CHILLED WATER SUPPLY
C.J. – CONTROL JOINT
CL – CENTER LINE
CLG WTR – COOLING WATER
CLOS – CLOSET
CMP – CORRUGATED METAL PIPE
C.O – CLEAN OUT
COL – COLUMN
COMPR – COMPRESSOR
CONC – CONCRETE
COND – CONDENSER
CONST – CONSTRUCTION
CONT – CONTINUOUS
CONTR – CONTRACTOR
CONV – CONVECTOR
CP – CONDENSATE PUMP
CRR/CRG – CEILING RETURN REGISTER/GRILLE

CRU – COMPUTER ROOM UNIT
CSD – CEILING SUPPLY DIFFUSER
CT – CERAMIC TILE
C.TWR. – COOLING TOWER
CU – CONDENSER UNIT
CU FT – CUBIC FEET
CUH – CABINET UNIT HEATER
CWR – CONDENSER WATER RETURN
CWS – CONDENSER WATER SUPPLY

D/DIA – DIAMETER
DB – DRY BULB TEMPERATURE
dB – DECIBEL
DC – DUST COLLECTOR
DEG – DEGREE
DEMO – DEMOLITION
D.F. – DRINKING FOUNTAIN
D.H. – DOUBLE HUNG
DIM – DIMENSION
DN – DOWN
D.O – REPEAT/DOOR OPENING
DP – DEEP
DR – DOOR
DWG – DRAWING
DX – DIRECT EXPANSION

E – EAST
EA – EACH
EAT – ENTERING AIR TEMPERATURE
E–CONTR. – ELECTRICAL CONTRACTOR
E–CUSP. – EXISTING CUSPIDOR
EDB – ENTERING DRY BULB
E.D.F – EXISTING DRINKING FOUNTAIN
EDR – EQUIVALENT DIRECT RADIATION
E.E.W. – EMERGENCY EGRESS WINDOW
E.F – EXHAUST FAN
EFE – EXISTING FIRE EXTINGUISHER
E.H. – EXHAUST HOOD
E.J – EXPANSION JOINT
EQ – EQUAL
ELEC – ELECTRICAL
EL/ELEV – ELEVATION
E.M.H. – ELEMENTARY SCHOOL MOUNTING HEIGHT
ENCL. – ENCLOSURE
ENTR. – ENTRANCE
EQUIP – EQUIPMENT
ESP – EXTERNAL STATIC PRESSURE
ETC – AND SO FORTH
EVAP – EVAPORATOR
EWB – ENTERING WET BULB
EWT – ENTERING WATER TEMPERATURE

EXH – EXHAUST
EXH.A – EXHAUST AIR
EXIST – EXISTING
EXP – EXPANSION
EXT – EXTERIOR

F – FAHRENHEIT
F.A.I. – FRESH AIR INTAKE
FCU – FAN COIL UNIT
F.D. – FLOOR DRAIN
F.DAMP. – FIRE DAMPER
F.E. FIRE EXTINGUISHER
F.G. – FIBER GLASS
FIN – FINISH
FIXT – FIXTURE
FHC – FIRE HOSE CABINET
FL/FLR FLOOR

FTG – FOOTING
FOB – FLAT ON BOTTOM
FOG – FUEL OIL GAUGE
FOR – FUEL OIL RETURN
FOS – FUEL OIL SUPPLY
FOT – FLAT ON TOP
F.P. – FIRE PROOF
FPM – FEET PER MINUTE
FPS – FEET PER SECOND
FRP – FIBERGLASS REINFORCED POLYSTYRENE
FT – FOOT OR FEET

GA – GAUGE
GAL – GALLONS
GALV – GALVANIZED
G.C – GENERAL CONSTRUCTION
GEN – GENERAL
GL – GLASS
GPH – GALLONS PER HOUR
GPM – GALLONS PER MINUTE
GR – GRAINS
G.V. – GAS VALVE
GYP. BD – GYPSUM BOARD
GYP. FB – GYPSUM FIBERBOARD

H – HEIGHT
H.B. – HOSE BIB
H–CONTR – HEATING, VENTING, AND AIR CONDITIONING CONTRACTOR
H.C – HOLLOW CORE
H/C – HEATING/COOLING
HD – HEAD
HEAT.CL. – HEATING COIL
HG – REFRIGERANT HOT GAS
H.M – HOLLOW METAL
HORIZ – HORIZONTAL
H.P – HIGH POINT
HPS – HIGH PRESSURE STEAM
H.PWR – HORSE POWER
HR – HOUR (S)
HT – HEAT
HTHW – HIGH TEMPERATURE HOT WATER
HTR – HEATER
HV – HEATING/VENTILATION UNIT
H.W.C. – HIGH IMPACT WALL COVERING
HWR – HOT WATER RETURN
HWS – HOT WATER SUPPLY
HX – HEAT EXCHANGER
HZ – FREQUENCY(CYCLES PER MINUTE)

ID – INSIDE DIAMETER
IEF – IN–LINE EXHAUST FAN
INT – INTERIOR
INSUL – INSULATION
INV – INVERT
IN – INCH

J.C – JANITOR'S CLOSET
JT – JOINT
J.B – JUNCTION BOX

KIT – KITCHEN
KW – KILOWATT
K.M.H. – KINDERGARTEN MOUNTING HEIGHT

L – LENGTH
LAT – LEAVING AIR TEMPERATURE
LAM – LAMINATE
LAV – LAVATORY
LBS/# – POUNDS
L.C.C – LEAD COATED COPPER
LDR – LEADER
LF – LINEAR FEET
LIQ – LIQUID
LL – LIVE LOAD
LP – LOW POINT
LPS – LOW PRESSURE STEAM
LRG – LINEAR RETURN GRILLE
LSD – LINEAR SUPPLY DIFFUSER
LWT – LEAVING WATER TEMPERATURE

M – MIRROR
MAX – MAXIMUM
MAT – MATERIAL
MBH – BTU PER HOUR (THOUSAND)
MD – MOTORIZED DAMPER
MECH – MECHANICAL
MFR – MANUFACTURER
MIN – MINIMUM
MISC – MISCELLANEOUS
MO – MASONRY OPENING
MPS – MEDIUM PRESSURE STEAM
MS – MARBLE SADDLE
MH – MAN HOLE
MTD – MOUNTED
MTL – METAL

N – NORTH
N/A – NOT APPLICABLE
NC – NORMALLY CLOSED
N.I.C – NOT IN CONTRACT
NO (S) – NUMBER(S)
N.OPEN – NORMALLY OPEN
N.T.S – NOT TO SCALE

OA – OUTSIDE AIR
OC – ON CENTER
OD – OUTSIDE DIAMETER
ODR – OPEN DUCT RETURN
OF – OUTSIDE FACE
OH – OVERHEAD
OPNG – OPENING
OPP – OPPOSITE
OZ – OUNCE

P – PUMP(IN–LINE OR BASE MOUNTED)
PART – PARTIAL
P–CONTR – PLUMBING CONTRACTOR
PB – PANEL BOX
PCC – POWER CHARGING CABINET
PD – PRESSURE DROP
PH – PENTHOUSE
PLT – PLATE
PLUMB – PLUMBING
PLYWOOD – PLYWOOD
PNL – PANEL
PNT – PAINT
PREFAB – PREFABRICATED
PRESS – PRESSURE
PRSC – PROJECTION SCREEN
PSI – POUNDS PER SQUARE INCH
PT – PRESSURE TREATED

QT – QUARRY TILE
QTY – QUANTITY

R – RISER/RADIUS
RA – RETURN AIR
RAD – RADIATION
RD – ROOF DRAIN
REF – ROOF EXHAUST FAN
REINF – REINFORCED
REQ'D – REQUIRED
RH – RELATIVE HUMIDITY
RO – ROUGH OPENING
RM – ROOM
RPM – REVOLUTIONS PER MINUTE
RTU – ROOF TOP UNIT

S – SINK
SA – SUPPLY AIR
SAN – SANITARY
SCHED – SCHEDULE
SD – SMOKE DETECTOR
S.DMPR – SMOKE DAMPER
SECT – SECTION
SF – SQUARE FOOT
SHT – SHEET
SIM – SIMILIAR
SP – STATIC PRESSURE
SPEC(S) – SPECIFICATION (S)
SQ – SQUARE
SQ FT – SQUARE FEET
SS – STAINLESS STEEL
STD – STANDARD
STL – STEEL
STM – STEAM
STOR – STORAGE
STRUCT – STRUCTURAL
SUCT – SUCTION
SUSP – SUSPENDED

T – TREAD/TOILET
TCP – TEMPERATURE CONTROL PANEL
T.D. – TRENCH DRAIN
T.DIFF. – TEMPERATURE DIFFERENCE
TEL – TELEPHONE
TEMP – TEMPERED
TEMPR. – TEMPERATURE
THK – THICK
T.O. – TRIMMED OPENING
T.O.C. – TOP OF CURB
T.O.P. – TOP OF PARAPET
T.O.S. – TOP OF STEEL
TSP – TOTAL STATIC PRESSURE
T'STAT – THERMOSTAT
TYP – TYPICAL
TKBD – TACK BOARD

U – URINAL
UH – UNIT HEATER
UL – UNDERWRITERS LABORATORY
UNFIN – UNFINISHED
UV – UNIT VENTILATOR

V – VOLT
VAV – VARIABLE AIR VOLUME
V.C.T – VINYL COMPOSITION TILE
VD – VOLUME DAMPER
V.D.B – VIDEO DISPLAY BOARD
VEL – VELOCITY
VEST – VESTIBULE
V.I.F – VERIFY IN FIELD
VLV – VALVE
VOL – VOLUME
V.P. – VISION PANEL
V.W.C. – VINYL WALL COVERING

W – WOMEN/WIDTH/WASHER
W/ – WITH
WB – WET BULB
W.C. – WATER CLOSET
WD – WOOD
WEF – WALL EXHAUST FAN
WER/WEG – WALL EXHAUST REGISTER/GRILLE
'WG' – INCHES OF WATER, GAGE (PRESSURE)
W.G. – WIRE GLASS
WHBD – WHITE BOARD
WK – WORK
W.I. – WROUGHT IRON
W.P. – WATER PROOF
WPD – WATER PRESSURE DROP
W.R. – WATER RESISTANT
WRR/WRG – WALL RETURN REGISTER/GRILLE
WSR/WSG – WALL SUPPLY REGISTER/GRILLE
WTG – WALL TRANSFER GRILLE
WTR – WATER
W.W.F. – WELDED WIRE FABRIC
W.W.M. – WELDED WIRE MESH

YARD DRAIN

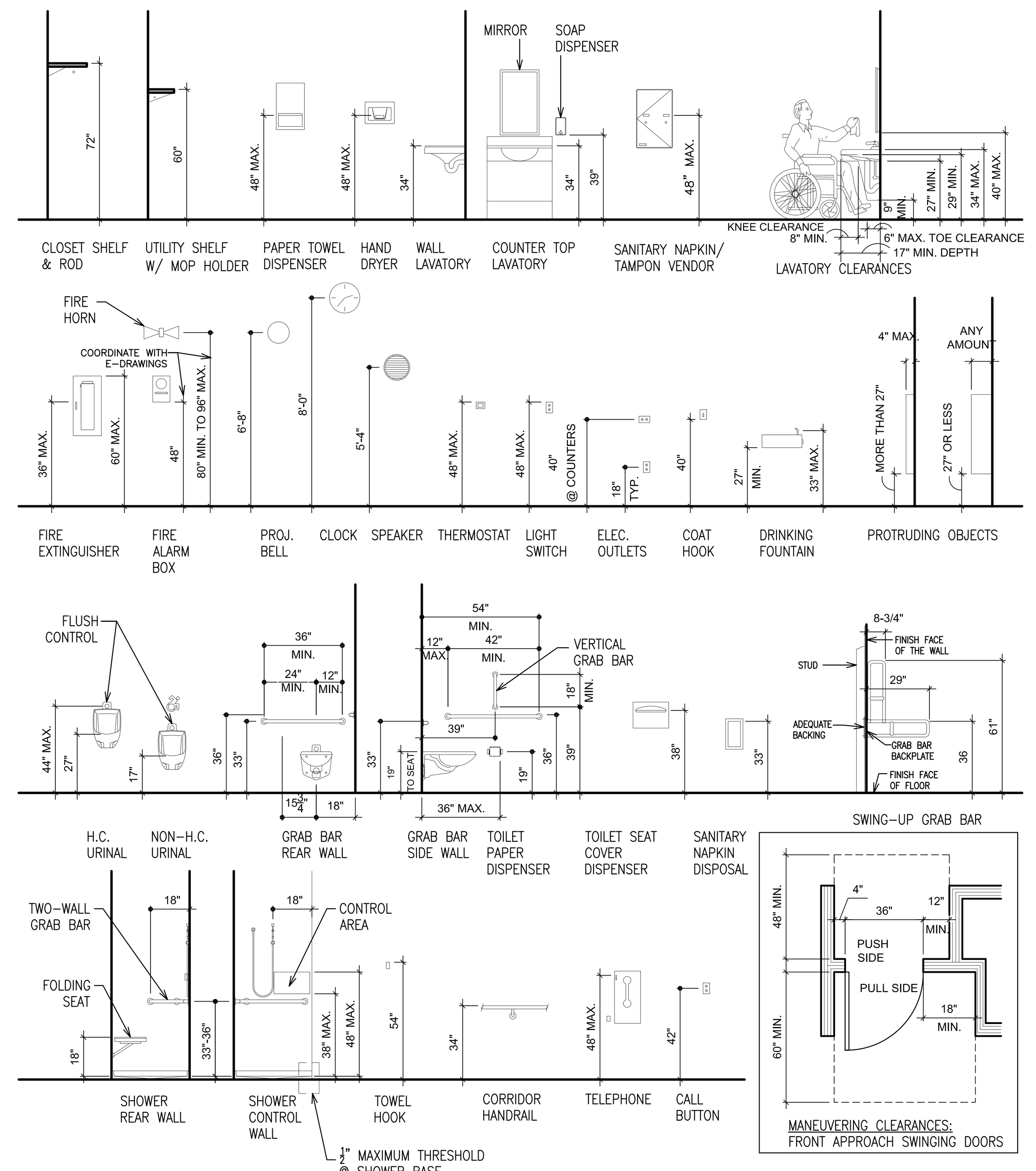
GRAPHIC LEGEND

- CLASSROOM 100 – ROOM NAME & NUMBER
- 100 – DOOR NUMBER
- A / A100 (1, 2, 3, 4) – ELEVATION KEY
- (1, 2, 3, 4) – INTERIOR WALL INDICATIONS
- W1 – WINDOW TYPE
- WS1 – REMOVAL/WORKSCOPE NOTE
- 1 – REVISION MARK
- 1 / A100 (DETAIL NO., DWG. NO.) – DETAIL KEY
- 1 – WALL TYPE
- 1 / A101 – EXTERIOR ELEVATION KEY
- FLUSH – FLUSH THRESHOLD
- 5'–0" ø HANDICAPPED TURNING RADIUS
- REMOVE EXISTING CONSTRUCTION
- EXISTING CONSTRUCTION
- NEW WALL CONSTRUCTION
- A / 1 – COLUMN GRID LINES
- EXISTING COLUMN DESIGNATION
- X / XXX – BUILDING/WALL SECTION/DETAIL
- REFERENCE POINT
- HIDDEN LINE BELOW
- HIDDEN LINE ABOVE OR BEYOND
- CENTERLINE OR N.I.C. LINE
- # – EXISTING DOOR INDICATES DOOR NUMBER (SEE DOOR SCHEDULE)
- # – NEW DOOR INDICATES DOOR NUMBER (SEE DOOR SCHEDULE)

MATERIALS LEGEND

- CONCRETE
- CONCRETE MASONRY UNITS
- BRICK
- STONE
- METALS
- COMPACTED GRAVEL
- EARTH/UNDISTURBED SOIL
- DRAINAGE BOARD
- PARTICLE BOARD
- PLYWOOD
- ACOUSTICAL TILE
- CONTINUOUS WOOD FRAMING THROUGH MEMBER
- WOOD FRAMING THROUGH INTERRUPTED MEMBER
- FINISHED WOOD
- BATT INSULATION
- RIGID INSULATION

MOUNTING HEIGHTS FOR ACCESSIBLE ITEMS



LIST OF DRAWINGS

GENERAL:

T1 TITLE SHEET
G1 ABBREVIATIONS, LEGENDS, GENERAL NOTES, MOUNTING HEIGHTS FOR ACCESSIBLE ITEMS, GENERAL REMOVAL NOTES AND LIST OF DRAWINGS

CVS–CC0 CODE COMPLIANCE SHEET
CVS–CC1.0 CODE COMPLIANCE SHEET – GROUND FLOOR PLAN
CVS–CC2.0 CODE COMPLIANCE SHEET – PARTIAL FIRST FLOOR PLAN
CVS–CC2.1 CODE COMPLIANCE SHEET – PARTIAL FIRST FLOOR PLAN

CIVIL:

CVS–C100 OVERALL PLAN
CVS–C201 EXISTING CONDITIONS AND REMOVALS PLAN
CVS–C202 EXISTING CONDITIONS AND REMOVALS PLAN
CVS–C301 LAYOUT AND LANDSCAPE PLAN
CVS–C302 LAYOUT AND LANDSCAPE PLAN
CVS–C401 GRADING AND UTILITIES PLAN
CVS–C402 GRADING AND UTILITIES PLAN
CVS–C403 GRADING AND UTILITIES PLAN
CVS–C404 GRADING AND UTILITIES PLAN
CVS–C405 GRADING AND UTILITIES PLAN
CVS–C501 SEDIMENT AND EROSION CONTROLS PLAN
CVS–C502 SEDIMENT AND EROSION CONTROLS PLAN
CVS–A601 DETAILS
CVS–A602 DETAILS
CVS–A603 DETAILS
CVS–A604 DETAILS
CVS–A605 DETAILS
CVS–A606 DETAILS

ARCHITECTURAL:

CVS–A10 OVERALL GROUND FLOOR PLAN
CVS–A11 OVERALL FIRST FLOOR PLAN
CVS–A12 OVERALL ROOF PLAN

CVS–A100 FOUNDATION PLAN
CVS–A101 GROUND FLOOR PLAN
CVS–A102 FIRST FLOOR PLAN
CVS–A103 ROOF PLAN

CVS–A110 ALTERNATE GC–1 FLOOR PLANS, REFLECTED CEILING PLANS & FINISH PLANS
CVS–A111 ALTERNATE GC–2 FLOOR PLANS, REFLECTED CEILING PLANS & FINISH PLANS
CVS–A112 ALTERNATE GC–1 & ALTERNATE GC–2 INTERIOR ELEVATIONS

CVS–A120 PARTIAL FIRST FLOOR REMOVAL PLAN, PARTIAL FIRST FLOOR PLAN & INTERIOR ELEVATIONS
CVS–A121 INTERIOR ELEVATIONS

CVS–A150 BOY'S AND GIRL'S ENLARGED TOILETS PLAN AND INTERIOR ELEVATIONS

CVS–A160 CAFETORIUM – ENLARGED PLAN
CVS–A161 INTERIOR ELEVATIONS – CAFETORIUM AND STAGE
CVS–A162 INTERIOR ELEVATIONS – CAFETORIUM AND STAGE
CVS–A163 KITCHEN AREA – PLAN AND INTERIOR ELEVATIONS
CVS–A164 INTERIOR ELEVATIONS – KITCHEN AND OFFICES

CVS–A180 INTERIOR ELEVATIONS – CORRIDORS
CVS–A181 INTERIOR ELEVATIONS, ENLARGED PLAN – CORRIDORS

CVS–A200 GROUND FLOOR REFLECTED CEILING PLAN
CVS–A201 FIRST FLOOR REFLECTED CEILING PLAN
CVS–A202 PARTIAL FIRST FLOOR REMOVAL REFLECTED CEILING PLAN & PARTIAL FIRST FLOOR REFLECTED CEILING PLAN

CVS–A300 EXTERIOR ELEVATIONS
CVS–A301 EXTERIOR ELEVATIONS

CVS–A400 BUILDING CROSS SECTIONS
CVS–A401 BUILDING CROSS SECTIONS
CVS–A402 BUILDING CROSS SECTIONS
CVS–A410 PARTIAL GROUND FLOOR STAIR PLAN, PARTIAL FIRST FLOOR STAIR PLAN & STAIR SECTIONS
CVS–A411 STAIR SECTIONS AND DETAILS
CVS–A415 EXTERIOR STAIR PLAN, SECTIONS & DETAILS
CVS–A416 EXTERIOR STAIR SECTIONS & DETAILS

CVS–A420 ALTERNATE–2 ELEVATOR SECTIONS & DETAILS
CVS–A421 ALTERNATE–2 ELEVATOR SECTIONS & DETAILS
CVS–A422 ALTERNATE–2 ELEVATOR SECTIONS & DETAILS

CVS–A425 WALL SECTIONS
CVS–A426 WALL SECTIONS
CVS–A427 WALL SECTIONS
CVS–A428 WALL SECTIONS
CVS–A429 WALL SECTIONS
CVS–A430 WALL SECTIONS
CVS–A431 WALL SECTIONS
CVS–A432 WALL SECTIONS
CVS–A433 WALL SECTIONS
CVS–A434 WALL SECTIONS
CVS–A435 WALL SECTIONS
CVS–A436 WALL SECTIONS

CVS–A450 WALL SECTIONS
CVS–A451 WALL SECTIONS
CVS–A452 WALL SECTIONS
CVS–A453 WALL SECTIONS
CVS–A454 WALL SECTIONS

CVS–A500 PARTITION TYPES & MISCELLANEOUS DETAILS
CVS–A501 PARTITION TYPES & MISCELLANEOUS DETAILS

CVS–A525 WOOD CASEWORK DETAILS
CVS–A526 STAGE & STAIR DETAILS

CVS–A600 COLUMN DETAILS
CVS–A601 COLUMN DETAILS
CVS–A602 COLUMN DETAILS
CVS–A603 COLUMN DETAILS
CVS–A604 COLUMN DETAILS
CVS–A605 COLUMN DETAILS

CVS–A625 ROOF DETAILS
CVS–A626 ROOF DETAILS
CVS–A627 ROOF DETAILS
CVS–A628 ROOF DETAILS
CVS–A629 ROOF DETAILS
CVS–A630 ROOF DETAILS

CVS–A650 MISCELLANEOUS MASONRY DETAILS
CVS–A651 MISCELLANEOUS DETAILS
CVS–A652 CEILING DETAILS & MISCELLANEOUS DETAILS
CVS–A655 MISCELLANEOUS DETAILS – FOLDING PARTITION
CVS–A656 STAGE CURTAIN REFLECTED CEILING PLAN, ELEVATIONS, SECTIONS & RIGGING SCHEDULE

CVS–A700 DOOR SCHEDULE
CVS–A701 DOOR TYPES, FRAME TYPES & DOOR DETAILS
CVS–A702 DOOR DETAILS
CVS–A703 DOOR DETAILS

CVS–A725 WINDOW SCHEDULE, WINDOW TYPES & RESCUE WINDOW DETAILS
CVS–A726 WINDOW DETAILS
CVS–A727 WINDOW DETAILS
CVS–A728 WINDOW DETAILS

CVS–A800 GROUND FLOOR & FIRST FLOOR FINISH PLANS
CVS–A825 FINISH LEGEND & FINISH SCHEDULE

CVS–A900 GROUND FLOOR SIGNAGE PLAN
CVS–A901 FIRST FLOOR SIGNAGE PLAN
CVS–A902 PARTIAL FIRST FLOOR SIGNAGE PLAN
CVS–A925 SIGN TYPES AND DETAILS

FOOD SERVICE:

FS.1 FOOD SERVICE EQUIPMENT PLAN
FS.2 FOOD SERVICE EQUIPMENT SCHEDULE
FS.3 FOOD SERVICE EXHAUST HOOD PLAN, DETAILS AND SCHEDULE
FS.4 FOOD SERVICE EXHAUST HOOD WIRING DIAGRAMS
FS.5 FOOD SERVICE REFRIGERATION DATA
FS.6 FOOD SERVICE UTILITY CONNECTIONS PLAN AND NOTES
FS.7 FOOD SERVICE SPECIAL CONDITIONS PLAN AND NOTES
FS.8 FOOD SERVICE SPECIAL ELEVATIONS, SECTIONS & DETAILS
FS.9 FOOD SERVICE TYPICAL DETAILS & NOTES

STRUCTURAL:

CVS–S101 FOUNDATION PLAN
CVS–S102 FOUNDATION PLAN
CVS–S103 ROOF FRAMING PLAN
CVS–S104 ALTERNATE GC–1 FRAMING PLANS AND DETAILS
CVS–S105 ALTERNATE GC–2 FRAMING PLANS AND DETAILS
CVS–S106 PARTIAL ROOF FRAMING PLAN

CVS–S201 DETAILS
CVS–S202 DETAILS
CVS–S203 DETAILS
CVS–S204 DETAILS
CVS–S205 DETAILS

CVS–S301 TYPICAL DETAILS
CVS–S302 TYPICAL DETAILS
CVS–S401 TYPICAL DETAILS

MECHANICAL:

CVS–M001 MECHANICAL NOTES & LEGEND
CVS–M002 MECHANICAL BASE–BID VENTILATION TABLE

CVS–M100.1 GROUND FLOOR MECHANICAL DUCTWORK PLAN
CVS–M100.2 GROUND FLOOR MECHANICAL PIPING PLAN
CVS–M101.1 FIRST FLOOR MECHANICAL DEMO & NEW REFLECTED CEILING PLANS
CVS–M102.1 FIRST FLOOR MECHANICAL DEMO & NEW REFLECTED CEILING DUCTWORK PLANS
CVS–M102.2 FIRST FLOOR MECHANICAL NEW REFLECTED CEILING PIPING PLAN
CVS–M103 ROOF MECHANICAL PLANS

CVS–M1–ALT MECHANICAL ALTERNATE REFLECTED CEILING PLANS
CVS–M2–ALT MECHANICAL ALTERNATE REFLECTED CEILING PLANS

CVS–M200 MECHANICAL DETAILS
CVS–M201 MECHANICAL DETAILS
CVS–M202 MECHANICAL DETAILS
CVS–M203 MECHANICAL PIPING & CONTROLS DIAGRAM

CVS–M300 MECHANICAL SCHEDULES
CVS–M301 MECHANICAL SCHEDULES

ELECTRICAL:

CVS–E001 ELECTRICAL NOTES & LEGEND
CVS–E002 ELECTRICAL SCHEDULES
CVS–E003 KITCHEN EQUIPMENT SCHEDULES

CVS–ED101 FIRST FLOOR ELECTRICAL LIGHTING AND POWER DEMO PLAN
CVS–EP100 GROUND FLOOR ELECTRICAL POWER PLAN
CVS–EP100A GROUND FLOOR ELECTRICAL POWER PLAN
CVS–EP101 FIRST FLOOR ELECTRICAL POWER PLAN
CVS–E103 ROOF ELECTRICAL POWER PLAN
CVS–EL100 GROUND FLOOR ELECTRICAL LIGHTING PLAN
CVS–EL101 FIRST FLOOR ELECTRICAL LIGHTING PLAN
CVS–E–ALT ELECTRICAL ALTERNATE FLOOR PLANS

FIRE ALARM:

CVS–FA001 FIRE ALARM NOTES, LEGEND AND DETAILS
CVS–FA001E FIRE ALARM NOTES, LEGEND AND DETAILS (EXISTING BUILDING)
CVS–FA100 GROUND FLOOR FIRE ALARM PLAN
CVS–FA101 FIRST FLOOR FIRE ALARM PLAN
CVS–FA102 GROUND FLOOR FIRE ALARM PLAN (EXISTING BUILDING)
CVS–FA103A FIRST FLOOR FIRE ALARM PLAN (EXISTING BUILDING)
CVS–FA103B FIRST FLOOR FIRE ALARM PLAN (EXISTING BUILDING)

PLUMBING:

CVS–P001 PLUMBING NOTES, SCHEDULE & LEGEND
CVS–P002 PLUMBING DETAILS

CVS–P100 GROUND FLOOR KITCHEN WASTE AND VENT PLUMBING PLAN
CVS–P100A GROUND FLOOR KITCHEN HOT AND COLD WATER PLUMBING PLAN
CVS–P103A ROOF PLUMBING PLAN NATURAL GAS PIPING
CVS–P200 PLUMBING RISER DIAGRAMS
CVS–P–ALT PLUMBING ALTERNATE FLOOR PLANS

FIRE PROTECTIONS

CVS–FP001 FIRE PROTECTION DETAILS
CVS–FP002 FIRE PROTECTION PLAN, DETAILS AND NOTES
CVS–FP100 GROUND FLOOR FIRE PROTECTION PLAN

AUDIO VISUAL

CVS–AV100 CAFETORIUM AV PLAN, AUDITORIUM STAGE LIGHTING PLAN
CVS–AV200 CAFETORIUM AV AND STAGE LIGHTING LINE DRAWINGS

SECURITY:

SEC–1 GROUND FLOOR AUDIO PLAN
SEC–2 FIRST FLOOR AUDIO PLAN
SEC–3 PARTIAL AUDIO PLANS

TELECOMMUNICATIONS & PUBLIC ADDRESS:

T000 PUBLIC ADDRESS/CLOCK SHEET

T101 GROUND FLOOR PLAN
T102 FIRST FLOOR PLANS, GROUND FLOOR ALTERNATE PLANS & FIRST FLOOR ALTERNATE PLAN

T200 PUBLIC ADDRESS RISER DIAGRAM & DETAILS
T201 PUBLIC ADDRESS RISER DIAGRAM & DETAILS
T202 CLOCK RISER DIAGRAM & DETAILS
T203 CLOCK RISER DIAGRAM & DETAILS

T300 COMMUNICATION DETAILS
T301 SECURITY DETAILS
T302 SECURITY DETAILS
T303 SECURITY DETAILS
T304 SECURITY DETAILS

GENERAL NOTES

THE FOLLOWING NOTES SHALL APPLY THROUGHOUT. EXCEPTIONS ARE SPECIFICALLY NOTED ON EACH DRAWING:

1. ALL ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE TYPICAL. MASONRY REPAIR WORK AS DEPICTED IS SHOWN APPROXIMATE AND IS FOR INFORMATION ONLY. DO NOT SCALE THE CONTRACT DRAWINGS.

2. ANY FIELD CONDITION THAT VARIES FROM A CONDITION SHOWN ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT (I.E. DISCREPANCIES, OMISSIONS OR AMBIGUITIES) BY THE PROSPECTIVE BIDDER SO THAT THE APPROPRIATE CLARIFICATION CAN BE ISSUED DURING THE BID PERIOD. IN THE EVENT DISCREPANCIES, OMISSIONS OR AMBIGUITIES IN THE CONTRACT DOCUMENTS ARE NOT CLARIFIED, THE CONTRACTOR(S) SHALL COMPENSATE SAME IN THE WORK SCOPE, USING THE NECESSARY OR BETTER QUALITY MATERIAL OR METHOD OF WORK AND WILL INCLUDE IN HIS BID PROPOSAL, ALL COSTS FOR SAME.

3. IT IS EACH CONTRACTOR'S RESPONSIBILITY TO BE FULLY INFORMED OF THE SCOPE OF THE PROJECT. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS; DIMENSIONS ETC. OF THE EXISTING BUILDING(S) AND SHALL ADAPT THE NEW WORK TO SUIT SUCH CONDITIONS UNLESS OTHERWISE SHOWN.

4. EACH CONTRACTOR SHALL COORDINATE HIS OWN WORK WITH WORK OF ALL OTHER CONTRACTORS ENGAGED ON THE PROJECT INCLUDING BUT NOT LIMITED TO, PENETRATIONS, FABRICATIONS AND INSTALLATIONS. THE CONTRACTOR MUST COMPLY WITH ALL PROVISIONS OF THE CONTRACT DOCUMENTS AND APPLICABLE REFERENCED STANDARDS.

5. INDICATED DIMENSIONS ARE TO FACE OF MASONRY, CONCRETE, FACE OF FINISH OR CENTERLINE.

6. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.

7. WHERE REQUIRED, SHOP DRAWINGS SHALL BE SUBMITTED AND APPROVED BY THE ARCHITECT BEFORE ANY SHOP FABRICATION OR FIELD WORK IS PERFORMED.

8. EACH CONTRACTOR SHALL BE FULLY INFORMED OF ALL CODES HAVING JURISDICTION OVER ALL THE WORK INCLUDING ALL APPLICABLE STATE EDUCATION DEPARTMENT PLANNING STANDARDS. IN THE EVENT OF ANY CONFLICTS, THE MORE STRINGENT CODE OF STANDARD SHALL TAKE PRECEDENCE.

9. USE ONLY NEW AND BEST QUALITY MATERIALS AND EQUIPMENT FOR THE INTENDED PURPOSE, AND THE BEST WORKMANSHIP TO CONSTRUCT THE NEW WORK WITHOUT DEFECTS.

10. IN THE EVENT OF A CONFLICT, LARGE SCALE DRAWINGS SHALL TAKE PRECEDENCE OVER SMALL SCALE DRAWINGS WITHOUT OMITTING OTHER PORTIONS OF THE SMALL SCALE DRAWING IN QUESTION. SIMILARITY, NOTES SHALL TAKE PRECEDENCE OVER SCHEDULES, PIPING AND WIRING DIAGRAMS WITHOUT OMITTING OTHER WORK SHOWN OR DESCRIBED THAT ARE NOT IN QUESTION.

11. PERFORM ALL NECESSARY DEMOLITION REQUIRED TO INSTALL NEW WORK PER THE CONTRACT DOCUMENTS AND PROVIDE PROTECTION FOR EXISTING CONSTRUCTION ADJACENT TO THE NEW WORK. THE CONTRACTOR(S) SHALL RESTORE ALL EXISTING CONDITIONS DISTURBED BY ALL THE WORK, ALL TO MATCH THE EXISTING UNLESS INDICATED OTHERWISE.

12. ALL WORK SHALL BE SET STRAIGHT, PLUMP AND LEVEL OR WITH INDICATED SLOPE.

13. EACH CONTRACTOR SHALL COLLECT HIS OWN RUBBISH AND CONSTRUCTION DEBRIS EACH DAY, PLACE IT IN APPROPRIATE CONTAINERS AND DISPOSE OF IT IN A LEGAL MANNER.

14. ALL OCCUPIED PORTIONS OF SCHOOL BUILDINGS MUST CONTINUE TO OPERATE DURING NORMAL BUSINESS HOURS, AS WELL AS COMPLY WITH THE MINIMUM REQUIREMENTS NECESSARY TO MAINTAIN A CERTIFICATE OF OCCUPANCY. IF ANY CONSTRUCTION OPERATION IS DEEMED TO BE DISRUPTIVE BY THE SD TO THE NORMAL OPERATION OF THE SCHOOL BUILDING, THEN THE CONTRACTOR SHALL PERFORM THE WORK ON A PREMIUM TIME BASIS DURING OTHER THAN NORMAL BUSINESS HOURS. ALL COSTS ASSOCIATED WITH PREMIUM TIME WORK SHALL BE INCLUDED IN THE CONTRACTOR'S BID PROPOSAL. REFER TO MILESTONE SCHEDULE FOR SECOND SHIFT HOURS.

15. ALL CONTRACTORS SHALL COMPLY WITH THE FOLLOWING MINIMUM SAFETY AND SECURITY REQUIREMENTS FOR THIS PROJECT; A) ALL MATERIALS SHALL BE STORED IN A SAFE, SECURE AND WEATHER TIGHT ENVIRONMENT; B) MAINTAIN SECURITY FENCES AROUND DEBRIS AND CONSTRUCTION WHERE DISPLAYED IN A VISIBLE PLACE ON THEIR PERSON.

16. CONSTRUCTION AREAS WHICH UNDER THE CONTROL OF THE CONTRACTOR AND THEREFORE NOT OCCUPIED BY DISTRICT STAFF OR STUDENTS SHALL BE SEPARATED FROM OCCUPIED AREAS. PROVISIONS SHALL BE MADE TO PREVENT THE PASSAGE OF DUST AND CONTAMINANTS INTO OCCUPIED PARTS OF THE BUILDING. PERIODIC INSPECTIONS AND REPAIRS OF THE CONTAINMENT BARRIERS MUST BE MADE TO PREVENT EXPOSURE TO DUST AND CONTAMINANTS.

    a) A SPECIFIC STAIRWELL AND ENTRANCE SHALL BE PROVIDED FOR CONTRACTORS USE DURING WORK HOURS. WORKERS MAY NOT USE CORRIDORS, STAIRS OR ELEVATORS DESIGNATED FOR STUDENTS OR SCHOOL STAFF.

    b) REMOVAL OF ALL DEBRIS SHALL BE THROUGH DESIGNATED, SEPARATED AND PROTECTED AREAS OF THE BUILDING. THERE SHALL BE NO MOVEMENT OF DEBRIS OR EQUIPMENT THROUGH OCCUPIED SPACES OF THE BUILDING.

    c) ALL OCCUPIED PARTS OF A BUILDING AFFECTED BY CONSTRUCTION ACTIVITY SHALL BE CLEANED AT THE CLOSE OF EACH WORK DAY.

17. CONSTRUCTION OPERATIONS SHALL NOT PRODUCE NOISE IN EXCESS OF 60DBA IN OCCUPIED SPACES OR SHALL BE SCHEDULED FOR TIMES WHEN THE AFFECTED BUILDING SPACES ARE NOT OCCUPIED OR ACOUSTICAL ABATEMENT MEASURES SHALL BE TAKEN.

18. EACH RESPECTIVE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ITS ACTIVITIES AND MATERIALS WHICH RESULT IN "OFF–GASSING" OF VOLATILE ORGANIC COMPOUNDS SUCH AS GLUES, PAINTS, FURNITURE, CARPETING, WALL COVERING, DRAPERY, CURED OR VENTILATED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS BEFORE SPACE CAN BE OCCUPIED. PRIOR APPROVAL OF PROTECTIVE MEASURES PLAN BY SD IS REQUIRED BEFORE PROCEEDING

19. ALL NEW WALLS, AND PARTITIONS AS NOTED SHALL BE CARRIED UP AN SECURED TIGHTLY TO ROOF DECK FLOOR DECK AND SLAB UNLESS OTHERWISE SPECIFIED. (SEE PARTITION TYPE DRAWING FOR MORE INFO.)

20. THE CONTRACTOR SHALL PROVIDE THE NECESSARY LEVELING COMPOUNDS TO EXISTING AND NEW SUBSTRATE CONCRETE SLABS SO THAT NEW FLOOR FINISHES ARE INSTALLED PER THE MANUFACTURER'S REQUIREMENTS.

21. ALL PIPING IN FINISHED SPACES TO BE FURRED–OUT WITH METAL STUDS @ 12" O.C. AND 5/8" GYPSUM BOARD TYPE 'X' AND FINISHED TO MATCH ADJACENT SURFACES.

GENERAL REMOVAL NOTES:

1. DRAWINGS INDICATE ONLY MAJOR SCOPE OF REMOVALS. CONTRACTOR IS REQUIRED TO REMOVE ANY AND ALL ITEMS NOT SHOWN AS REQUIRED TO SUIT ALL NEW WORK. CONTRACTOR IS REQUIRED TO REMOVE, PROTECT AND STORE ANY AND ALL ITEMS SHOWN AS REQUIRED TO SUIT ALL NEW WORK, COORDINATE W/ OWNER FOR STORING LOCATIONS.

2. EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT, ETC. SHOWN ON DRAWINGS ARE APPROXIMATELY LOCATED. CONTRACTOR IS TO DETERMINE EXACT LOCATIONS OF ALL ITEMS IN THE FIELD.

3. CONTRACTOR SHALL BE ADVISED THAT EXISTING ABOVE CEILING CABLING MAY BE PRESENT. CARE SHALL BE TAKEN WHEN REMOVING CEILINGS IN ORDER TO NOT DAMAGE EXISTING CABLING TO REMAIN. REFER TO SPECIFICATIONS FOR CABLE BUNDLING AND SUPPORT.

4. CONTRACTOR IS TO VERIFY ANY MAJOR DIMENSIONAL DEVIATIONS FROM DRAWINGS OR STRUCTURAL OBSTRUCTIONS. THESE SHALL BE BROUGHT TO THE OWNER'S REPRESENTATIVE'S ATTENTION. ALL CONTRACT DRAWINGS INDICATE APPROXIMATE DIMENSIONS AND EXISTING CONDITIONS BASED ON FIELD SURVEY AND DRAWINGS FURNISHED BY THE OWNER. VARIATIONS MAY EXIST AS TO FIELD CONDITIONS. THE COST FOR ANY SUCH VARIATIONS SHALL BE INCLUDED WITHIN THE CONTRACT BID.

5. ALL SURFACES DISTURBED BY REMOVALS SHALL BE PATCHED/REPAIRED TO MATCH EXISTING ADJACENT FINISHES, COORDINATE AND PREPARE SURFACES TO ACCOMMODATE WITH NEW FINISH ACCORDING TO SPECS AND MANUFACTURER'S RECOMMENDATIONS.

6. EACH CONTRACTOR SHALL FIRE STOP ALL TRADE RELATED EXISTING OR NEW PENETRATIONS THROUGH FLOORS, PARTITIONS AND WALLS AT ALL LOCATIONS WITH APPROVED MATERIALS AND SYSTEMS.

7. ALWAYS WORK IN A MANNER WHICH PROVIDES CONTINUOUS SUPPORT TO STRUCTURE ABOVE. PROVIDE APPROPRIATE LINTEL FOR ALL OPENINGS UNLESS SPECIFIED OTHERWISE.

8. COORDINATE REMOVALS WITH NEW WORK.

9. IF AT ANY TIME DURING SELECTIVE REMOVAL PROCEDURES, SHOULD THE CONTRACTOR SUSPECT HAZARDOUS MATERIALS, WORK SHALL STOP IMMEDIATELY AND THE OWNER SHALL BE NOTIFIED IN WRITING. OWNER SHALL TAKE STEPS TO HAVE AFFECTED WORK AREAS DECONTAMINATED BY A STATE OF NEW YORK LICENSED ABATEMENT CONTRACTOR. OBTAIN APPROVALS FROM GOVERNING AGENCIES PRIOR TO COMMENCEMENT OF ABATEMENT. WORK IN AFFECTED AREAS SHALL RESUME IN THE ABSENCE OF CONTAMINANTS AND WHEN IT HAS BEEN RENDERED HARMLESS BY LABORATORY ANALYSIS AND WRITTEN AGREEMENT BY OWNER AND CONTRACTOR.

10. THE OWNER SHALL HAVE FIRST REFUSAL RIGHT TO ALL ITEMS TO BE REMOVED. WHERE ITEMS ARE CHOSEN TO BE SALVAGED, THE CONTRACTOR SHALL DELIVER TO THE OWNER. WHERE THE OWNER REFUSES POSSESSION OF ITEMS, THEY BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF LEGALLY.

11. CUTTING AND PATCHING:
PERFORM WHATEVER CUTTING AND PATCHING IS NECESSARY TO COMPLETE THE WORK. FINISH PATCHED SURFACES TO MATCH FINISH THAT EXISTED PRIOR TO PATCHING. PATCH WORK TO MATCH ADJACENT WORK IN TEXTURE AND APPEARANCE.

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
ABBREVIATIONS, LEGENDS, GENERAL NOTES, MOUNTING HEIGHTS FOR ACCESSIBLE ITEMS, GENERAL REMOVAL NOTES AND LIST OF DRAWINGS

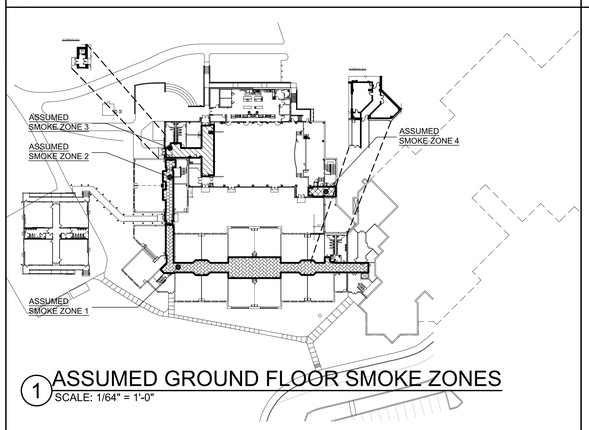
DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
SCALE AS NOTED
DRAWN BY
DRAWING NO. G-1
FILE NO. 23505.02

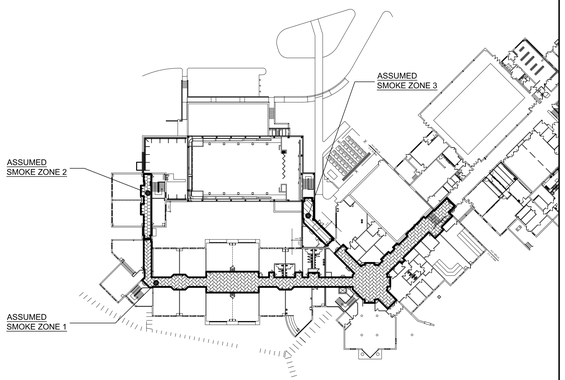
PLOT DATE: December 06, 2024 – 9:45am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1–F&D\G–1.dwg

SMOKE ZONE INFO.

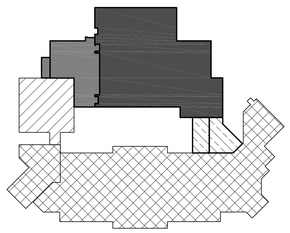


1 ASSUMED GROUND FLOOR SMOKE ZONES
SCALE: 1/64" = 1'-0"



2 ASSUMED FIRST FLOOR SMOKE ZONES
SCALE: 1/64" = 1'-0"

FIRE AREAS



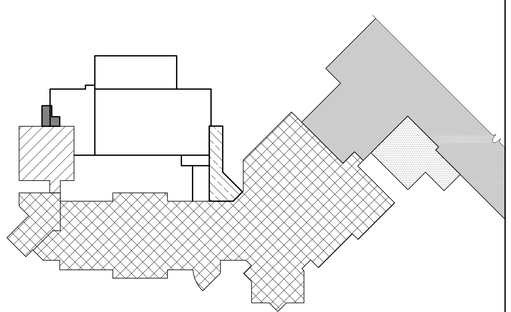
FIRE AREA LEGEND

MAXIUM FIRE AREA (PER 903.2.3) 12,000 S.F.

- FIRE AREA 1 — GROUND 11,886 S.F.
- FIRE AREA 2 — GROUND 2,786 S.F.; GROUND ALT. 91 S.F.; 1ST FLOOR ALT 302 S.F.
- FIRE AREA 3 — GROUND 883 S.F.; GROUND ALT. 647 S.F.; 1ST FLOOR 1,461 S.F.
- FIRE AREA 4 — GROUND 20,330 S.F.*; 1ST FLOOR 36,638 S.F.*; 56,986 S.F.*
- FIRE AREA 5 — 1ST FLOOR 3,390 S.F.; 3,390 S.F.; 6,780 S.F.
- C.V. STARR CAFETERIA CONVERSION IS PART OF H.H. WELLS M.S. FIRE AREA.
- NO WORK EXISTING BUILDING H.H. WELLS M.S.

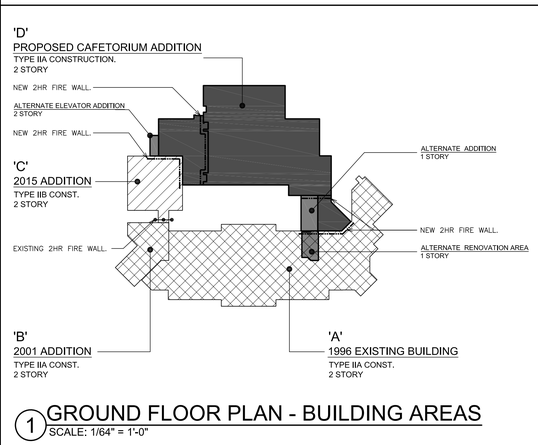
* PRE-EXISTING NON-CONFORMING

1 GROUND FLOOR PLAN - FIRE AREAS
SCALE: 1/64" = 1'-0"

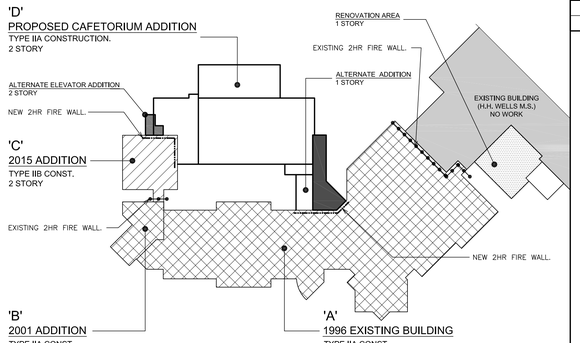


2 FIRST FLOOR PLAN - FIRE AREAS
SCALE: 1/64" = 1'-0"

BUILDING AREA PLANS



1 GROUND FLOOR PLAN - BUILDING AREAS
SCALE: 1/64" = 1'-0"



2 FIRST FLOOR PLAN - BUILDING AREAS
SCALE: 1/64" = 1'-0"

BUILDING INFORMATION

BLDG.	YEAR BUILT	CONSTR. TYPE	STORIES	EXISTING		RENOVATED		NEW CONSTRUCTION	
				GROUND FLOOR	1ST FLOOR	GROUND FLOOR	1ST FLOOR	GROUND FLOOR	1ST FLOOR
'A'	1996	IIA	2	18,110 S.F.	38,080 S.F.	–	–	–	–
'B'	2001	IIA	2	2,220 S.F.	2,220 S.F.	–	–	–	–
'C'	2015	IIB	2	3,390 S.F.	3,390 S.F.	–	–	–	–
'D'	2024	IIA	2	–	–	ALT. 490 S.F.	2,692 S.F.	15,555 S.F. ALT. 738 S.F.	1,461 S.F. ALT. 302 S.F.
				TOTAL EXISTING FLOOR AREA 67,410 S.F.				TOTAL NEW FLOOR AREA 17,016 S.F. WITH ALTERNATES 18,056 S.F.	
				TOTAL EXISTING BUILDING AREA CV STARR/HH WELLS 171,646 S.F.					

CODE REQUIRED PLUMBING FIXTURES:

(BASED ON OCCUPANCY CALCULATIONS TABLE 403.1)

OCCUPANCY – E
ACTUAL OCCUPANT COUNT – 744 CURRENT TOTAL PERSONS IN BUILDING

NOTES: 1. EXISTING TOILET FACILITIES INCLUDED IN COUNT ARE WITHIN 500' AND NOT MORE THAN ONE STORY ABOVE OR BELOW THE REQUIRED SPACE(S)
2. ASSISTED-USE TOILETS(1109.2.1) PROVIDED IN EACH NEW TOILET.
3. TOILET COUNT BASED ON POPULATION APPROVED SED 48-06-01-06-0-001-024

WATER CLOSETS (*)	REQUIRED	EXISTING	NEW	TOTAL
MALE (372)				
REQUIRED 1/50	(8)	(16)	(4)	(20)
* URINALS – MAX. 67% SUBSTITUTION FOR WATER CLOSETS				
FEMALE (372)				
REQUIRED 1/50	(8)	(10)	(5)	(15)
UNISEX		(4)	(1)	(5)
LAVATORIES				
MALE (372)				
REQUIRED 1/50	(8)	(8)	(3)	(11)
FEMALE (372)				
REQUIRED 1/50	(8)	(8)	(3)	(11)
UNISEX		(4)	(1)	(2)
DRINKING FOUNTAINS				
REQUIRED 1/100	(8)	(6)	(3)	(9)
SERVICE SINKS				
	(1)	(2)	(2)	(4)

ENERGY CODE COMPLIANCE (ECCNYS 2020)

CLIMATE ZONE: 5A

NOTE:
TO THE BEST OF OUR KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH SECTION E502.1 OF THE ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE. BUILDING ENVELOPE REQUIREMENTS ARE IN ACCORDANCE WITH TABLE E502.2(1).

OPAQUE THERMAL ENVELOPE INSULATION - R VALUE METHOD (C402.1.3)

ELEMENT	CONDITION / VALUE	
	REQUIRED	PROVIDED
ROOF		
INSULATION ENTIRELY ABOVE ROOF DECK	R-30ci	SEE DWGS.
ATTIC AND OTHER	R-38	N/A
METAL BUILDINGS	R-19 + R-11 RS	N/A
WALLS ABOVE GRADE		
METAL FRAMED	R-13 + R-7.5ci	R-10ci & R-24 CAVITY
MASS	R-11.4ci	R-15ci
WALLS BELOW GRADE	R-7.5ci	R-10
SLABS ON GRADE		
UNHEATED SLABS	R-10 FOR 24" BELOW	R-10 FOR 24" BELOW
OPAQUE DOORS		
NON-SWINGING	R-4.75	SEE SPEC.

MINIMUM ROOF REFLECTANCE AND EMITTANCE (C402.3)

ELEMENT	CONDITION / VALUE
THREE-YEAR-AGED SOLAR REFLECTANCE INDEX	64

FENESTRATION MAXIMUM U-FACTOR AND SHGC REQUIREMENTS (C402.4)

ELEMENT	CONDITION / VALUE	
	U-VALUE	
VERTICAL FENESTRATION (AREA NOT GREATER THAN 30%)	REQUIRED	PROVIDED
FIXED	0.38	SEE SPEC.
OPERABLE	0.45	
ENTRANCE DOORS	0.77	
SKYLIGHTS	0.50	
SHGC	REQUIRED	PROVIDED
		SEE SPEC.
PF<0.2	0.38	
0.2≤PF≤0.5	0.46	
PF>0.5	0.61	

MAXIMUM AIR LEAKAGE RATE FOR FENESTRATION (C402.5.2)

ELEMENT	CONDITION / VALUE
WINDOWS	0.20 CFM/FT²
SWINGING DOORS	0.20 CFM/FT²
CURTAIN WALL	0.06 CFM/FT²
STOREFRONT GLAZING	0.06 CFM/FT²

CODE REFERENCE PLAN LEGEND

CLASSROOM 116	ROOM NAME AND NUMBER
300 / 300=2	AREA IN SQ. FT. ROOM OCCUPANCY LOAD OCCUPANCY LOAD FACTOR
45 / 135	ACTUAL EGRESS OCCUPANCY OF DOOR OR STAIR MAXIMUM ALLOWABLE EGRESS OCCUPANCY OF DOOR OR STAIR
60	DIRECTION OF TRAVEL WITH ACCUMULATED OCCUPANCY LOAD
	ACCESSIBLE AREA OR EXIT
	1 HR. FIRE RATED WALL (TIGHT TO DECK ABOVE)
	2 HR. FIRE RATED WALL (TIGHT TO DECK ABOVE)
	SMOKE TIGHT WALL (TIGHT TO DECK ABOVE)
	EXISTING 2 HR. OCCUPANCY SEPARATION FIRE RATED WALL
	EXISTING 1 HR. OCCUPANCY SEPARATION FIRE RATED PARTITION
	LINE OF FIRE SEPARATION DISTANCE FROM EACH BUILDING ON SAME PROPERTY
67'	MAXIMUM TRAVEL DISTANCE TO A COMMON PATH OF TRAVEL
122'	MAXIMUM TRAVEL DISTANCE TO AN EXIT
RW	RESCUE WINDOW
FE	FIRE EXTINGUISHER
(PH)	PANIC HARDWARE
S.S.	SERVICE SINK
(DF)	DRINKING FOUNTAIN
	EXIT
	ACCESSIBLE TOILETS

CODE INFORMATION

1. APPLICABLE CODE STANDARDS
   2022 MANUAL OF PLANNING STANDARDS FOR SCHOOLS
   2020 BUILDING CODE OF NEW YORK STATE (IBC 2018 WITH AMENDMENTS)
   ICC A117.1 2009 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
   2020 ENERGY CONSERVATION CODE OF NEW YORK STATE (IECC 2018 WITH AMENDMENTS)
   2020 FIRE CODE OF NEW YORK STATE (IFC 2018 WITH AMENDMENTS)
   2020 MECHANICAL CODE OF NEW YORK STATE (IMC 2018 WITH AMENDMENTS)
   2020 PLUMBING CODE OF NEW YORK STATE (IPC 2018 WITH AMENDMENTS)
   2020 INTERNATIONAL EXISTING BUILDING CODE OF NEW YORK STATE (IEBC 2018 WITH AMENDMENTS)
   2017 NATIONAL ELECTRICAL CODE (NFPA 70 WITHOUT AMENDMENTS)
2. USE GROUP CLASSIFICATION (302)
   • E-EDUCATIONAL (305.1)
   • PER SECTION 303.1.3 SPACE USED FOR ASSEMBLY PURPOSES THAT IS ASSOCIATED WITH A GROUP E OCCUPANCY IS NOT CONSIDERED A SEPARATE OCCUPANCY.
3. BUILDING HEIGHT (504.3)
   ALLOWABLE HEIGHT (NON-SPRINKLERED) 65'-0"
   ACTUAL HEIGHT 26'-7"±
4. NUMBER OF STORIES (504.4)
   ALLOWABLE (NON-SPRINKLERED) 3 STORIES
   ACTUAL 2 STORY
5. ALLOWABLE AREA (506.2) ACTUAL ALLOWABLE
   *(NON-SPRINKLERED) 15,555 s.f. *26,500 s.f. (E OCCUPANCY)
   REQUIRED SEPARATION OF OCCUPANCIES
   EDUCATION (NON-SPRINKLERED) NO SEPARATION REQUIRED
6. CONSTRUCTION CLASSIFICATION (601)
   MINIMUM TYPE REQUIRED PER TABLE 601: TYPE-IIB & IIA (EXISTING)
   NON-COMBUSTIBLE TYPE-IIA (PROPOSED)
7. FIRE SEPARATION DISTANCE (TABLE 602)
   TYPE-IIA, E OCCUPANCY
   X<5' (1) HR.
   5'≤X≤10' (1) HR.
   10'≤X≤30' (1) HR.
   X≥30' (0) HR.
8. OCCUPANCY LOAD (1004.5)
   CLASSROOM AREA 20 s.f. (NET)/OCCUPANT
   VOCATIONAL ROOM AREA 50 s.f. (NET)/OCCUPANT
   ASSEMBLY
   • STANDING 5 s.f. (NET)/OCCUPANT
   • CONCENTRATED 7 s.f. (NET)/OCCUPANT
   • UNCONCENTRATED (TABLE & CHAIRS) 15 s.f. (NET)/OCCUPANT
   LIBRARY
   • READING ROOMS 50 s.f. (NET)/OCCUPANT
   • STACK AREA 100 s.f. (GROSS)/OCCUPANT
   OFFICE 150 s.f. (GROSS)/OCCUPANT
   STORAGE/MECH 300 s.f. (GROSS)/OCCUPANT
   KITCHEN 200 s.f. (GROSS)/OCCUPANT
   STAGE 15 s.f. (NET)/OCCUPANT
9. EGRESS WIDTH PER OCCUPANT SERVED (1005)
   STAIRS 0.3"/PERSON (NON-SPRINKLERED)
   OTHER EGRESS COMPONENTS 0.2"/PERSON (NON-SPRINKLERED)
10. FIRE RESISTANT RATING OF BUILDING ELEMENTS TYPE-IIA (TABLE 601)
    A. PRIMARY STRUCTURE 1 HRS.
    B. BEARING WALLS
       EXTERIOR 1 HRS.
       INTERIOR 1 HRS.
    C. NON-BEARING WALLS AND PARTITIONS
       EXTERIOR SEE TABLE 602
    D. NON-BEARING WALLS AND PARTITIONS
       INTERIOR 0 HRS.
    E. FLOOR CONSTRUCTION
       INCLUDING SUPPORTING BEAMS AND JOISTS 1 HRS.
    F. ROOF CONSTRUCTION
       INCLUDING SUPPORTING BEAM AND JOISTS 1 HRS.
11. ALLOWABLE AREA OF EXTERIOR WALL OPENINGS (TABLE 705.8.1)
    EXTERIOR NON-BEARING WALLS AND
    PRIMARY STRUCTURES NON-FIRE RATED UNLIMITED UNPROTECTED OPENINGS.
12. FIRE AREAS
    • FIRE WALL FIRE RESISTANCE RATING (TYPE II CONSTRUCTION) 2 HRS.
    • FIRE BARRIER FIRE RESISTANCE RATING SEPARATING SINGLE OCCUPANCY, GROUPS E 2 HRS.
13. INTERIOR WALL & CEILING FINISH REQUIREMENTS (TABLE 803.13)
    GROUP "E" (NON-SPRINKLERED)
    • VERTICAL EXITS AND EXIT PASSAGE A
    • EXIT ACCESS CORRIDORS & OTHER EXIT WAYS B
    • ROOMS AND ENCLOSED SPACES C
14. FIRE PROTECTION SYSTEM (903.2)
    • GROUP E EDUCATIONAL
    FIRE AREA DOES NOT EXCEED 12,000 s.f. NOT REQUIRED
15. CORRIDORS (1020)
    MINIMUM WIDTH: 6'-0" MIN. (NYSIBC)
    MAIN 8'-0" MIN. (NYS SED)
    SECONDARY 6'-0" MIN. (NYS SED)
    FIRE RESISTANCE RATING
    (NON-SPRINKLERED) 1 HR.
16. INTERIOR EXIT STAIRS (1023)
    CONNECTING (4) STORIES OR MORE (2) HR.
    LESS THAN (4) STORIES (1) HR.
17. LINE OF TRAVEL (NYSED-S107-b)
    GROUP E 150' MAX.
    OTHER THAN GROUND FLOOR 120' MAX.
18. COMMON PATH OF EGRESS TRAVEL (TABLE 1006.2.1)
    (NON-SPRINKLERED) 75' MAX.
19. DEAD END (NYSED)
    *UNLIMITED WHEN LENGTH IS LESS THAN 1½ x WIDTH OF CORRIDOR
20. FIRE PROTECTION SYSTEM (901)
    A. NOTIFICATION/ALARMS YES
    B. DETECTION YES
21. PORTABLE FIRE EXTINGUISHERS (NYS FC-906)
    C. MAXIMUM DISTANCE OF TRAVEL TO EXTINGUISHER 75'
    D. MINIMUM EXTINGUISHER RATING 2-A
    E. MAXIMUM FLOOR AREA FOR EXTINGUISHER 11,250 s.f.
22. MIN. ROOF COVERING CLASSIFICATION (1505.1) B

DOOR EXIT WIDTH (NON-SPRINKLERED) (1005)

34" DOOR WIDTH = 31.62" ACTUAL DOOR EXIT WIDTH @ .20"/P = 158 PERSONS
36" DOOR WIDTH = 33.62" ACTUAL DOOR EXIT WIDTH @ .20"/P = 168 PERSONS
38" DOOR WIDTH = 35.62" ACTUAL DOOR EXIT WIDTH @ .20"/P = 178 PERSONS
40" DOOR WIDTH = 37.62" ACTUAL DOOR EXIT WIDTH @ .20"/P = 188 PERSONS
42" DOOR WIDTH = 39.62" ACTUAL DOOR EXIT WIDTH @ .20"/P = 198 PERSONS
44" DOOR WIDTH = 41.62" ACTUAL DOOR EXIT WIDTH @ .20"/P = 208 PERSONS

(2)30" DOOR WIDTH = 56.5" ACTUAL DOOR EXIT WIDTH @ .20"/P = 283 PERSONS
(2)36" DOOR WIDTH = 68.5" ACTUAL DOOR EXIT WIDTH @ .20"/P = 342 PERSONS
(2)38" DOOR WIDTH = 72.5" ACTUAL DOOR EXIT WIDTH @ .20"/P = 362 PERSONS
(2)40" DOOR WIDTH = 76.5" ACTUAL DOOR EXIT WIDTH @ .20"/P = 382 PERSONS
(2)42" DOOR WIDTH = 80.5" ACTUAL DOOR EXIT WIDTH @ .20"/P = 402 PERSONS
(2)44" DOOR WIDTH = 84.5" ACTUAL DOOR EXIT WIDTH @ .20"/P = 422 PERSONS

AT EXTERIOR DOORS WITH CENTER MULLION:
(2)36" DOOR WIDTH = 66.5" ACTUAL DOOR EXIT WIDTH @ .20"/P = 332 PERSONS

DOOR HARDWARE NOTES

1.	ALL RATED DOORS SHALL HAVE POSITIVE LATCHING LOCKSETS / LATCHSETS AND CLOSERS.
2.	ALL DOORS LEADING TO HAZARDOUS SPACE SHALL HAVE TACTILE WARNING. HAZARDOUS AREAS INCLUDE STORAGE, PREP. ROOM, MECHANICAL ROOM, JANITOR.
3.	ALL DOORS EXISTING (50) OR MORE PERSONS SHALL HAVE PANIC EXIT DEVICES.
4.	ALL DOORS FRONTING CORRIDORS SHALL HAVE POSITIVE LATCHING LOCKSETS OR LATCHSETS.
5.	DOOR HARDWARE ACCESSIBLE TO PERSONS WITH DISABILITIES SHALL BE PROVIDED TO COMPLY WITH UNIFORM FEDERAL ACCESSIBILITY STANDARDS.
6.	BOILER ROOM SHALL HAVE A 90 MINUTE DOOR, FRAME AND HARDWARE.
7.	THE CONTRACTOR SHALL INSURE THAT ITEMS 1 THROUGH 7 ARE IMPLEMENTED.
8.	ALL HAZARDOUS AREA DOORS SHALL HAVE CLOSERS.

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
CODE COMPLIANCE SHEET

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS CC-0
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 9:27am

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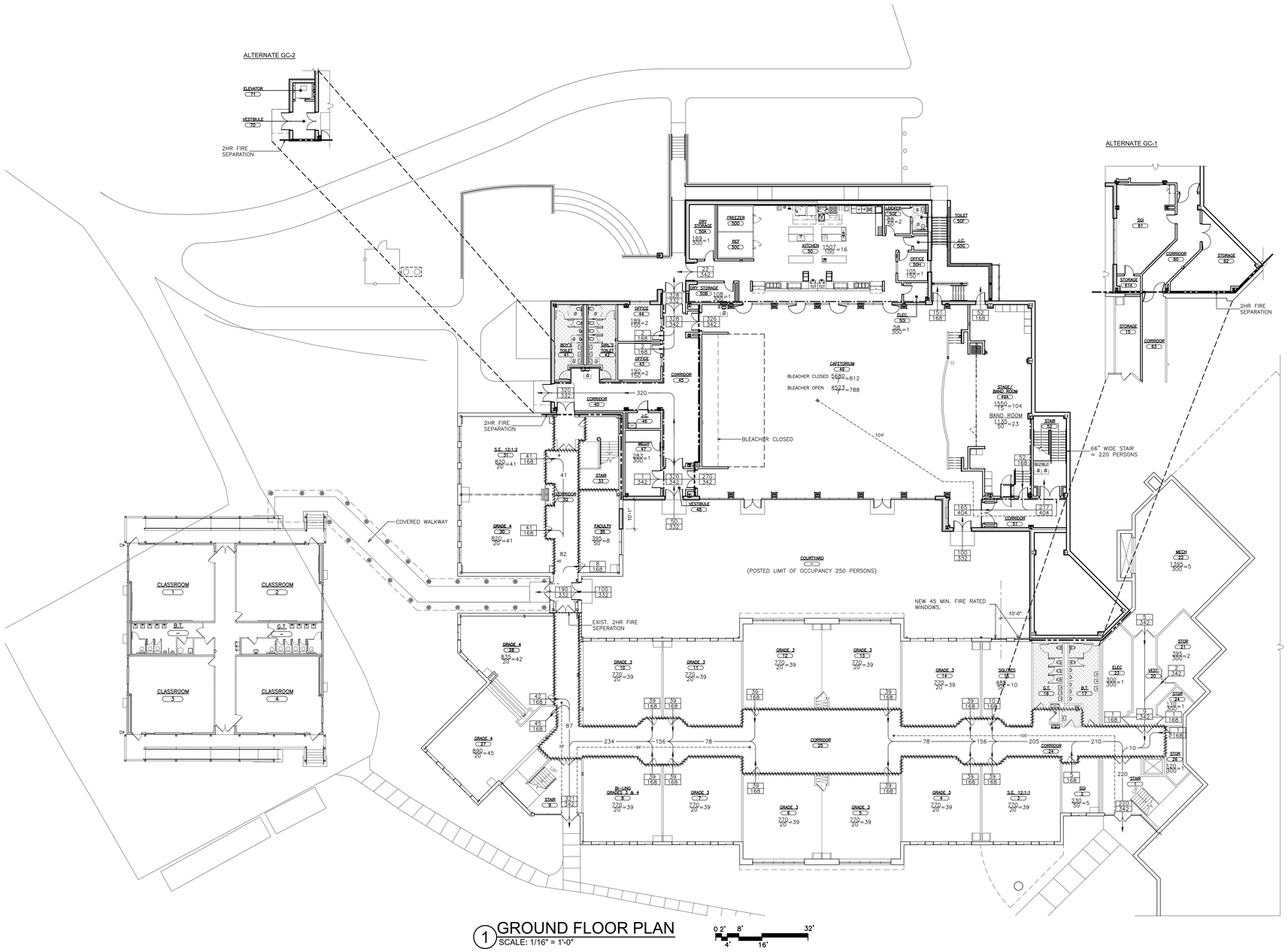

1 GROUND FLOOR PLAN

SCALE: 1/16" = 1'-0"

0 2' 4' 8' 16' 32'

CODE REFERENCE PLAN LEGEND

CLASSROOM 118	ROOM NAME AND NUMBER
385 / 500=2	AREA IN SQ. FT. ROOM OCCUPANCY LOAD OCCUPANCY LOAD FACTOR
45 / 168	ACTUAL EGRESS OCCUPANCY OF DOOR OR STAIR MAXIMUM ALLOWABLE EGRESS OCCUPANCY OF DOOR OR STAIR
60	DIRECTION OF TRAVEL WITH ACCUMULATED OCCUPANCY LOAD
CA	ACCESSIBLE AREA OR EXIT
	1 HR. FIRE RATED WALL (TIGHT TO DECK ABOVE)
	2 HR. FIRE RATED WALL (TIGHT TO DECK ABOVE)
	SMOKE TIGHT WALL (TIGHT TO DECK ABOVE)
	EXISTING 2 HR. OCCUPANCY SEPARATION FIRE RATED WALL
	EXISTING 1 HR. OCCUPANCY SEPARATION FIRE RATED PARTITION
	LINE OF FIRE SEPARATION DISTANCE FROM EACH BUILDING ON SAME PROPERTY
67'	MAXIMUM TRAVEL DISTANCE TO A COMMON PATH OF TRAVEL
122'	MAXIMUM TRAVEL DISTANCE TO AN EXIT
RW	RESCUE WINDOW
FE	FIRE EXTINGUISHER
(PH)	PANIC HARDWARE
S.S.	SERVICE SINK
(DF)	DRINKING FOUNTAIN
	EXIT
	ACCESSIBLE TOILETS

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PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND ALTERATIONS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
CODE COMPLIANCE SHEET
GROUND FLOOR PLAN

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
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SHEET SIZE 30"x42"
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SCALE AS NOTED
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FILE NO. 23505.02

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CODE REFERENCE PLAN LEGEND

CLASSROOM (C18)	ROOM NAME AND NUMBER
	AREA IN SQ. FT.
300=2 / 300	ROOM OCCUPANCY LOAD
	OCCUPANCY LOAD FACTOR
45 (168)	ACTUAL EGRESS OCCUPANCY OF DOOR OR STAIR
	MAXIMUM ALLOWABLE EGRESS OCCUPANCY OF DOOR OR STAIR
60	DIRECTION OF TRAVEL WITH ACCUMULATED OCCUPANCY LOAD
(A)	ACCESSIBLE AREA OR EXIT
	1 HR. FIRE RATED WALL (TIGHT TO DECK ABOVE)
	2 HR. FIRE RATED WALL (TIGHT TO DECK ABOVE)
	SMOKE TIGHT WALL (TIGHT TO DECK ABOVE)
	EXISTING 2 HR. OCCUPANCY SEPARATION FIRE RATED WALL
	EXISTING 1 HR. OCCUPANCY SEPARATION FIRE RATED PARTITION
	LINE OF FIRE SEPARATION DISTANCE FROM EACH BUILDING ON SAME PROPERTY
67'	MAXIMUM TRAVEL DISTANCE TO A COMMON PATH OF TRAVEL
122'	MAXIMUM TRAVEL DISTANCE TO AN EXIT
RW	RESCUE WINDOW
FE	FIRE EXTINGUISHER
(PH)	PANIC HARDWARE
S.S.	SERVICE SINK
(DF)	DRINKING FOUNTAIN
	EXIT
	ACCESSIBLE TOILETS

1 FIRST FLOOR PLAN
SCALE: 1/16" = 1'-0"

0 2' 4' 8' 16' 32'

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & SITE IMPROVEMENTS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
CODE COMPLIANCE SHEET
PARTIAL FIRST FLOOR PLAN

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS CC-2.0
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 9:28am

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CODE REFERENCE PLAN LEGEND

CLASSROOM 116	ROOM NAME AND NUMBER
300=2 / 300	AREA IN SQ. FT. ROOM OCCUPANCY LOAD OCCUPANCY LOAD FACTOR
45 / 168	ACTUAL EGRESS OCCUPANCY OF DOOR OR STAIR MAXIMUM ALLOWABLE EGRESS OCCUPANCY OF DOOR OR STAIR
60	DIRECTION OF TRAVEL WITH ACCUMULATED OCCUPANCY LOAD
CA	ACCESSIBLE AREA OR EXIT
	1 HR. FIRE RATED WALL (TIGHT TO DECK ABOVE)
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(PH)	PANIC HARDWARE
S.S.	SERVICE SINK
(DF)	DRINKING FOUNTAIN
	EXIT
	ACCESSIBLE TOILETS

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & EXISTING CAFETERIA RENOVATION TO LOCKER ROOMS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
CODE COMPLIANCE SHEET
PARTIAL FIRST FLOOR PLAN

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
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SCALE: AS NOTED
DRAWN BY:
FILE NO.: 23505.02

1 FIRST FLOOR PLAN
SCALE: 1/16" = 1'-0"
0 2' 4' 8' 16' 32'

PLOT DATE: December 05, 2024 - 9:28am

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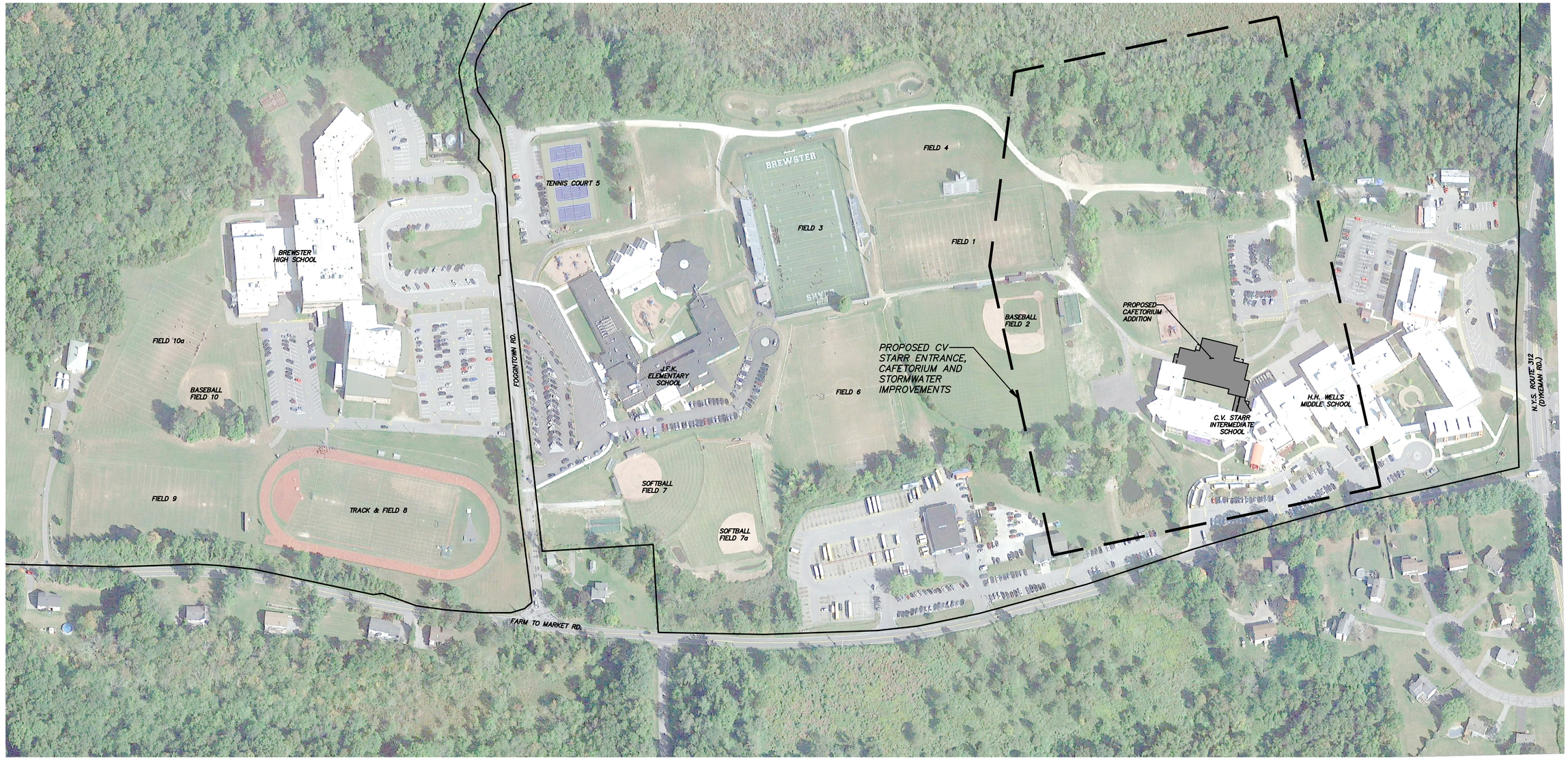

REMOVAL NOTES

1. *Prior to submitting the bid, the contractor shall visit the site and familiarize themselves with the site conditions and existing improvements to be removed.*
2. *The contractor shall provide all removals incidental and necessary to execute the work prescribed in the contract documents. All existing features specified to be removed shall be removed in their entirety unless otherwise authorized in writing by the owner or the project engineer.*
3. *These drawings are intended to show an overall Limit of Disturbance and general features to be removed. Not all features incidental to the general scope of the site work have been shown to be removed. The contractor shall be responsible for all removals within the limits of both above and below grade features, necessary for the construction of the site improvements shown hereon.*
4. *Refer to construction sequence for sequence of utility removal and replacement.*
5. *All underground utility piping (water, sewer, drainage conduits) shall be removed within proposed addition footprint, or shall be capped and abandoned in place outside of building footprint. All abandoned pipes left in place shall be filled with controlled low strength material (CLSM) sealing both ends. Any exposed utility piping shall be cut and removed such that a minimum of 1' of soil cover is maintained on all pipes that are to be capped and abandoned in place.*
6. *All building materials shall be demolished and removed from the site.*
7. *Burying of any demolished building materials on site is prohibited. Building foundations may be crushed and abandoned, filled in and restored in accordance with the project specifications.*
8. *For any below grade slab or bottom of tank that is to be demolished and abandoned in place, the concrete shall be pulverized so that there are no pieces of concrete remaining that are larger than 3 ft by 3 ft.*
9. *Remove existing electrical wiring and conduit back to the source panel.*
10. *Refer to the Project Specifications for hazardous material disposal.*

EXCAVATION NOTES:

1. *All pavement to be saw cut to its full depth by the contractor prior to excavation.*
2. *The Contractor shall provide sheeting, shoring, a benched excavation, or a sloped excavation for all excavations 5.0 feet or greater in depth.*
3. *All sheeting and shoring protective systems used for excavation shall be designed and stamped by a NYS licensed Professional Engineer.*
4. *Where construction crosses or is adjacent to existing utility lines (fuel, water gas, telephone, electric or communication), the contractor shall carefully hand excavate so as to locate, mark and protect the utility lines against disturbance or damage by providing adequate support and protection as approved by the Engineer. The contractor shall repair any power or communication interruption immediately, at no additional cost to the owner.*
5. *Trench excavation outside of temporary construction fence is to be backfilled on the same day as excavation. Temporary orange construction fence is required around these work areas for on going work.*
6. *All utility trenching in and adjacent to roadways shall be backfilled prior to the end of the work day, unless otherwise authorized by the Engineer. Item 4 shall be temporarily brought to the surface of the utility trench flush with the adjacent pavement and maintained until the final pavement is installed. Road plates, if used, shall be designed to meet H20 loading requirements.*
7. *Excavations needing to be open greater than a single day on school property shall have 6' temporary chain link fence installed overnight or when no work is being performed at the location. Temporary orange construction fence shall be in place when work is being performed.*

CONSTRUCTION NOTES:

1. *The contractor is advised that additional notes will be found on subsequent drawings and such notes, while pertaining to the specific drawings they are placed in, also supplement the construction notes listed hereon.*
2. *All work and materials shall be in accordance with these plans and project specifications.*
3. *The contractor shall notify the Engineer 72 hours prior to start of work.*
4. *The subject project has coverage under the New York State Department of Environmental Conservation SPDES General Permit for Stormwater Discharges from Construction Activity, permit No. GP-0-20-001. As required by the permit all contractors and subcontractors will be required to sign a certification statement that they understand and agree to comply with the requirements of GP-0-20-001.*
5. *The contractor shall have a representative onsite that is a NYSDEC Trained Contractor at all times site work is being performed under this contract. The contractor shall provide a contractor's certification as contained in the NYSDEC Construction Site Logbook to the project engineer upon start of construction.*
6. *The contractor shall coordinate the layout of the work with the owner, and the project engineer, and eliminate all conflicts including but not limited to utility location conflicts, prior to commencement of any proposed work.*
7. *The contractor shall coordinate their construction operations with the project engineer and any other contractors/subcontractors and construction activities occurring simultaneously on the property.*
8. *It shall be the contractor's/subcontractor's responsibility to provide sanitary facilities (i.e. porta-john (and other necessary temporary facilities) throughout the duration of construction.*
9. *The contractor shall be responsible for providing all power, water, and other resources necessary to complete the project work.*
10. *Minimum OSHA site standards must be maintained including personal protective equipment and vests. The contractor shall be responsible for guarding and protecting all open excavations in accordance with the latest edition and current OSHA requirements.*
11. *The contractor shall field verify all dimensions relative to the scope of work.*
12. *The contractor shall stake out the limits of clearing and it shall be reviewed with the project engineer prior to the start of clearing operations. Existing trees to remain outside the limits of clearing shall be protected per the detail.*
13. *It shall be the contractor's responsibility to identify and protect all underground utilities. The contractor shall contact Dig Safely New York at 811 or 1-800-962-7962 and any other required utility locators prior to the start of construction.*
14. *The exact location, size, and type of the existing utilities may differ from what is shown hereon. The contractor shall field verify the location, size and type of the existing utilities by performing a test pit ahead of construction as necessary to permit revisions to meet existing utilities or relocate proposed utilities as required. Horizontal location and elevation of the existing utility as determined by test pit shall be provided to the project engineer.*
15. *The contractor shall field verify the existing grades / utility locations prior to commencement of any work. Any discrepancy shall be reported to the project engineer when identified.*
16. *The contractor shall perform all work with care so that any materials which are to remain in place, or which are to remain on the property, shall not be damaged. The contractor will be held responsible for all damage caused to existing utilities / features / facilities / vegetation during execution of the work not proposed to be modified or removed by these plans. All damage to any existing utilities / features / facilities / vegetation not proposed to be modified by the contract shall be repaired or replaced by the contractor to the satisfaction of the owner at no additional cost.*
17. *Original condition shall mean the condition in which the feature was found (or better) at the start of construction.*
18. *The contractor shall be responsible for the implementation and maintenance of erosion and sediment controls (shown or not) as necessary to prevent erosion and migration of sediment outside of the contract limit line or into the stormwater collection system. Erosion and sediment controls may include but are not limited to silt fence, stabilized construction entrance, berms and inlet protection. All erosion and sediment controls shall be installed in accordance with the New York State Standards and Specifications for Erosion and Sediment Control. Additional erosion and sediment controls may be required during construction by the project engineer. All disturbed areas shall be stabilized in accordance with the Erosion & Sediment Control Notes and details.*
19. *Silt fence shall be installed parallel to the contours.*
20. *Contractor is responsible for protecting soil stockpiles, trenches, and building excavations against weather. No additional fee will be paid to the contractor for removal and replacement of suitable soils due to degradation from weather related events.*
21. *During execution of the work, the contractor shall be responsible for dewatering and control of surface water in accordance with the New York State Standards and Specifications for Erosion and Sediment Control. The New York State Standards and Specifications for Erosion and Sediment Control can be found at http://www.dec.ny.gov/chemical/29066.html.*
22. *All existing pavement shall be cleaned and swept prior to the completion of construction.*
23. *The contractor shall provide temporary construction fence for all work areas including the material storage/staging areas.*
24. *All personal vehicles, materials, and construction equipment must be kept within the construction staging area. Use of additional onsite storage areas must be pre-authorized by the owner of the property.*
25. *Trees shown on the plans for reference only. All trees and vegetation within the contract limit line shall be removed unless otherwise labeled to be protected and saved. Not all trees to be removed may be shown.*
26. *Topsoil and subsoil shall be stripped, screened, and stockpiled in locations shown for future use. The contractor must keep enough topsoil onsite for final restoration. Four inches of screened topsoil shall be placed and raked to finish grade over all disturbed areas not covered by pavement, concrete and/or gravel surfaces, unless otherwise noted.*
27. *The contractor shall maintain existing grades unless otherwise noted.*
28. *Contractor shall be responsible for handling of all excess rock, topsoil, subsoil, and placing on site as directed. All contractors shall remove all construction debris from the site.*
29. *There shall be no burying of construction and demolition (C&D) debris or stumps on site. All C&D debris and stumps must be removed by the contractor, and disposed of in accordance with all pertinent regulations.*
30. *All proposed concrete drainage structures shall be precast concrete and all structures, frames, and grates are to meet H-20 loading requirements.*
31. *Design Engineer to approve locations and elevations of all structures prior to placement.*
32. *Where side drain inlets are proposed the Contractor shall extend the upstream swale to the side inlet of the drainage structure.*
33. *Unless otherwise shown on the drawings the contractor shall match the material, thickness and quality of all existing pavements that are to be replaced.*
34. *Temporary asphalt wedges shall be placed in all areas open to vehicular access. The wedges shall be installed between any sudden abrupt grade changes in excess of 1" as a result of construction. All temporary wedges shall be removed prior to placement of asphalt course.*
35. *The contractor will be responsible for the implementation of all maintenance and protection of traffic (MP&T) measures. MP&T shall include but not be limited to placement of traffic cones and warning signs around work zone. Safe and adequate pedestrian vehicular traffic flow shall be maintained at all times to the existing buildings, while the work is in progress. The contractor shall submit for approval of the Architect, a construction sequence schedule and plan for pedestrian and vehicular traffic flow.*
36. *A retaining wall design signed and sealed by a NYS licensed Engineer shall be submitted to the Engineer prior to the construction of any wall greater than 4 feet in height.*

UTILITY NOTES:

1. *The locations of existing utilities, water, sewers, and drainage structures have been indicated based on the best available information. It is possible that the actual subsurface utilities and piping may vary from that indicated. Therefore, prior to starting work in any area, the contractor shall take the necessary steps to determine the locations of all existing underground piping, conduit and structures. The contractor shall carry out their operations in such a manner as to prevent interference with lines which are to remain. Any pipe or conduit disturbed in the course of contract shall be repaired by the contractor at no extra cost to the owner.*
2. *Existing utility locations, sizes and elevations to be verified by contractor prior to the start of construction and any discrepancies reported to the project engineer immediately.*
3. *Whenever a connection to an existing pipe or structure is shown, the contractor shall confirm existing pipe materials of construction, dimensions, and connection requirement prior to submitting materials for approval.*
4. *When structures are to be placed on existing utility lines or where the proposed utility lines are assumed to cross existing utilities, the contractor shall locate the existing utility and shall verify its existing invert elevation. The contractor shall notify the engineer if different utility invert elevations or locations are revealed by field exploration.*
5. *Where interference with other utilities or construction are encountered during construction of new utility lines, the contractor may adjust the alignment or invert elevations of that system only at the direction of the project engineer.*
6. *All existing utilities shall be removed to the main unless otherwise permitted by the utility service provider.*
7. *It shall be the contractor's responsibility to identify all overhead wires and utility poles, if any, in the vicinity of the proposed work. Furthermore, it is the contractor's responsibility to make the necessary arrangements to perform the work in the vicinity of these overhead wires.*
8. *The contractor shall exercise extreme caution when working adjacent to active power and communication lines to prevent damage to these lines. The contractor shall hand excavate test pits to expose those lines prior to performing any other excavation work in the area. The contractor shall repair at their expense, any power or communication interruption immediately.*
9. *Should any utility poles require bracing or relocating to accomplish the proposed work, it shall be the contractor's responsibility to make the appropriate arrangements to properly secure or relocate such utility poles. The contractor will not receive any additional payment for utility pole bracing or relocating. The contractor must include any costs for such work within their bid submittal.*
10. *The location of the proposed electric and gas service lines for the property are approximate and subject to the utility company design. The contractor shall coordinate with the owner and utility service provider(s) to determine the location of the site's electric and gas service connections. The contractor shall be responsible for obtaining all required permits necessary for the installation of utility connections, and shall provide electric service lines to each light in accordance with the owner's direction, manufacturer's specifications, and applicable electric code.*
11. *The gas, electric and communication utilities shall be installed in accordance with the utility provider specifications including but not limited to provided the proper bedding, cover, and detectable warning tape / tracer wire.*
12. *All manhole pipe penetrations shall be provided with a waterproof rubber boot and gasket.*
13. *Cuts and fills are proposed over existing utilities. Site contractor shall protect all utilities whether shown or not shown during earthwork operations. Site contractor shall lower existing utilities as required to maintain adequate cover and adjust access and covers for existing structures to proposed grade.*
14. *Electrical contractor shall be responsible for trenching and backfill of electrical (including lighting) and communication conduits, including bedding materials. See electrical drawings for trench details. Electrical contractor shall be responsible for installation of conduit and wiring. Site contractor shall be responsible for setting light pole bases. Electrical contractor shall be responsible for setting light poles, conduit and wiring. Site contractor shall be responsible for installation of transformer pads. Electrical contractor shall be responsible for installation of conduits, transformers and wiring.*

WINTER SITE STABILIZATION NOTES:

1. *All bare / exposed soils must be stabilized by an established vegetation, straw or mulch, matting, or other approved product such as rolled erosion control product.*
2. *Sediment barriers must be properly installed at all necessary perimeter and sensitive locations.*
3. *All slopes and grades must be properly stabilized with approved methods. Rolled erosion control products must be used on all slopes greater than 3:1, or where conditions for erosion dictate such measures.*
4. *Stockpiled soils must be protected by the use of established vegetation, an anchored-down straw or mulch, rolled erosion control product or other durable covering. A barrier must be installed around the pile to prevent erosion away from that location.*
5. *All entrance / exit locations to the site must be properly stabilized and must be maintained to accommodate snow management as set forth in the NYS Standard and Specifications for Erosion and Sediment Control.*
6. *Snow management must not destroy or degrade erosion and sediment control devices.*

GRAPHIC SCALE
0 50 100 200
(IN FEET)
1 inch = 100 ft.

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INSITE PROJECT# 23149.100

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STATE OF NEW YORK
CURTIS M. WATSON
LICENSED PROFESSIONAL ENGINEER
No. 77937
LICENSE EXP. DATE: 07-31-2026
CERT. NO. 2438573

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
RENOVATIONS & ADDITIONS
257 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
PACKAGE 2
OVERALL PLAN

DATE	ISSUED TO
12-9-2024	BID SUBMISSION
10-31-2024	NYCDEP SUBMISSION
3-5-2024	SED SUBMISSION
2-14-2024	NYCDEP SUBMISSION
11-29-2023	D.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS C100
SCALE 1"=100'
DRAWN BY TSM
FILE NO. 23505.02

PLOT DATE: December 02, 2024 - 2:51pm
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FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 2\BHS C100.dwg

FILE: Z:\E\2314900 F&D Brewster CSD\CADD Package 2\BHS C201 - C202.dwg

PLOT DATE: December 02, 2024 - 3:21pm

Z:\E\2314900 F&D Brewster CSD\CADD Package 2\BHS C201 - C202.dwg, 12/2/2024 3:21:20 PM, Adobe PDF

GENERAL NOTES:

1. Existing property line, topography and site features shown hereon derived from Aerial Photogrammetry, created from a drawing entitled "Brewster Schools", by GIS Geospatial photo dated March 26, 2023 and obtained June 14, 2023. Additional utility and topography information shown here on based upon fieldwork by Insite Engineering, Surveying, and Landscape Architecture P.C. completed June 27, 2023. Elevations shown hereon are in vertical datum NAVD 88. The contour interval is 1'.
2. Wetlands shown hereon were flagged by Sarah Pawliczek of NYSDEC on June 4, 2021 and field located July 6, 2021 by Insite Engineering, Surveying, and Landscape Architecture P.C. on December 18, 2019.
3. All improvements are proposed unless otherwise noted.

LEGEND

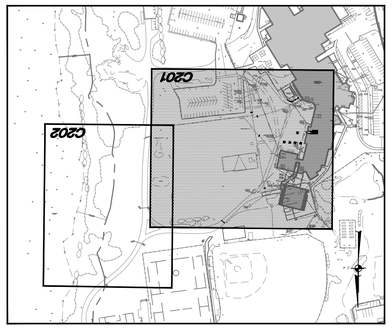
- EXISTING PROPERTY LINE
- EXISTING WETLAND
- EXISTING WETLAND FLAG
- EXISTING WETLAND BUFFER
- EXISTING CHAIN LINK FENCE
- EXISTING STONE WALL
- EXISTING GUIDE RAIL
- EXISTING CONCRETE CURB
- EXISTING UTILITY POLE W/ GUY AND OVERHEAD WIRE
- EXISTING SIGN
- EXISTING LIGHT POLE
- EXISTING EVERGREEN TREE
- EXISTING DECIDUOUS TREE
- EXISTING TREELINE
- EXISTING UNDERGROUND DRAINAGE PIPE
- EXISTING UNDERGROUND SEWER MAIN
- EXISTING UNDERGROUND SEWER SERVICE
- EXISTING UNDERGROUND SEWER FORCEMAIN
- EXISTING UNDERGROUND WATER MAIN
- EXISTING UNDERGROUND WATER SERVICE
- EXISTING UNDERGROUND TELECOMMUNICATION LINE
- EXISTING UNDERGROUND ELECTRIC SERVICE
- EXISTING MANHOLE (Type unidentified)
- EXISTING CATCH BASIN
- EXISTING DRAINAGE MANHOLE
- EXISTING SEWER MANHOLE
- EXISTING LIGHT POLE
- EXISTING HYDRANT
- EXISTING CLEAN OUT
- EXISTING WELL
- EXISTING 5' CONTOUR
- EXISTING 1' CONTOUR
- EXISTING SPOT GRADE
- EXISTING TREELINE TO BE REMOVED
- EXISTING TREE TO BE REMOVED
- EXISTING SURFACE SITE FEATURE TO BE REMOVED
- EXISTING SUBSURFACE SITE FEATURE TO BE REMOVED
- EXISTING SUBSURFACE SITE FEATURE TO BE ABANDONED IN PLACE

GRAPHIC SCALE

(in FEET)
1 inch = 20 ft.
0 10 20 40

KEY MAP

SCALE: 1" = 200'



MATCH LINE TO DRAWING NO. C202

EXISTING TREES / VEGETATION TO BE REMOVED FOR PLACEMENT OF EXCESS FILL

EXISTING TREES / VEGETATION TO BE REMOVED FOR PLACEMENT OF EXCESS FILL

LIMITS OF ASPHALT PAVEMENT REMOVAL, SAW CUT (TYP.)

EXISTING FLAYGROUND AND STRUCTURES TO BE REMOVED BY DISTRICT

Shady Canopy over Playground

EXISTING CONCRETE SIDEWALK TO BE REMOVED

EXISTING TANKS TO BE REMOVED

EXISTING DRAINAGE PIPE TO BE ABANDONED AND CAPPED AT BOTH ENDS

EXISTING DRAINAGE PIPE TO BE REMOVED

EXISTING DRAINAGE STRUCTURE AND PIPE TO BE REMOVED

EXISTING TREE TO BE REMOVED (TYP.)

EXISTING WATER SERVICE TO BE CUT AND CAPPED IN PLACE (TYP.)

EXISTING SEWER MAIN TO BE CUT AND CAPPED IN PLACE (REMOVE IN AREAS OF NEW BUILDING FOOTPRINT)

COMPLETE TEST PIT TO CONFIRM UTILITY & STATUS TO DETERMINE IF RELOCATION IS REQUIRED

EXISTING WATER SERVICE TO BE CUT AND CAPPED IN PLACE

COMPLETE TEST PIT TO CONFIRM UTILITY & STATUS TO DETERMINE IF RELOCATION IS REQUIRED

EXISTING SEWER MAIN TO BE CUT AND CAPPED IN PLACE

COMPLETE TEST PIT TO CONFIRM UTILITY & STATUS TO DETERMINE IF RELOCATION IS REQUIRED

EXISTING ASPHALT SIDEWALK TO BE REMOVED

EXISTING DRAINAGE PIPE WITHIN LIMITS OF PROPOSED BUILDING

EXISTING ASPHALT SIDEWALK TO BE REMOVED

EXISTING WATER SERVICE TO BE REMOVED AND RELOCATED

EXISTING MANHOLE TO BE REMOVED

EXISTING MAIN TO BE REMOVED

EXISTING SEWER FORCEMAIN TO BE REMOVED AND RELOCATED

EXISTING VENT TO BE RELOCATED

EXISTING SEWER TANK TO BE REMOVED

CONTRACTOR TO REMOVE PORTION OF EXISTING FENCE (44 LF ±) TO INSTALL PROPOSED DRAINAGE WORK AND REINSTALL FENCING UPON COMPLETION

ROOF LEADER LOCATION CONNECTION TO DI C TO BE RE-PIPED AS REQUIRED

ROOF LEADER LOCATION CONNECTION TO DI C TO BE RE-PIPED AS REQUIRED

ROOF LEADER LOCATION CONNECTION TO DI C TO BE RE-PIPED AS REQUIRED

CONTRACTOR SHALL CLEAN AND JET EXISTING PIPE AND STRUCTURES FROM DI C THROUGH DI A

EXISTING SEWER LINES TO REMAIN

EXISTING ASPHALT TO BE REMOVED

EXISTING ASPHALT TO REMAIN

MODULAR CLASSROOM SHOWN FOR INFORMATIONAL PURPOSES ONLY

C.V. Starr Intermediate School 2 Story Building

Basketball Hoop

Existing Paved Area

Existing Gravel Area

Unknown Markout

Stockpile

Rock

Asphalt

Concrete

Brick

Utility Pole

Light Pole

Guide Rail

Chain Link Fence

Stone Wall

Concrete Curb

Guy Wire

Sign

Evergreen Tree

Deciduous Tree

Treeline

Underground Drainage Pipe

Sewer Main

Sewer Service

Sewer Forcemain

Water Main

Water Service

Underground Telecommunication Line

Underground Electric Service

Manhole

Catch Basin

Drainage Manhole

Sewer Manhole

Hydrant

Clean Out

Well

Spot Grade

Treeline to be Removed

Tree to be Removed

Surface Site Feature to be Removed

Subsurface Site Feature to be Removed

Subsurface Site Feature to be Abandoned in Place

Property Line

Wetland

Wetland Flag

Wetland Buffer

Chain Link Fence

Stone Wall

Guide Rail

Concrete Curb

Utility Pole w/ Guy and Overhead Wire

Sign

Utility Pole

Evergreen Tree

Deciduous Tree

Treeline

Underground Drainage Pipe

Sewer Main

Sewer Service

Sewer Forcemain

Water Main

Water Service

Underground Telecommunication Line

Underground Electric Service

Manhole

Catch Basin

Drainage Manhole

Sewer Manhole

Light Pole

Clean Out

Well

Spot Grade

Contour

Treeline to be Removed

Tree to be Removed

Surface Site Feature to be Removed

Subsurface Site Feature to be Removed

Subsurface Site Feature to be Abandoned in Place

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INSITE PROJECT#: 23149.100

LICENSE EXP. DATE: 07-31-2026
CERT. NO. 243623

STATE OF NEW YORK
STEVEN M. WATSON
090771
LICENSED PROFESSIONAL ENGINEER

S.E.D. CONTROL NUMBER:
46-06-01-06-0-001-026

BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
RENOVATIONS & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
EXISTING CONDITIONS AND REMOVALS PLAN
PACKAGE 2

DATE	ISSUED TO
12-9-2024	BID SUBMISSION
10-31-2024	WCDEP SUBMISSION
9-6-2024	SED SUBMISSION
2-14-2024	WCDEP SUBMISSION
11-29-2023	D.D. SUBMISSION

SHEET SIZE	30"x42"
SCALE	1"=20'
DRAWING NO.	C201 CVS
FILE NO.	2350S.02
DRAWN BY	TSM

FILE: Z:\E23149100 F&D Brewster CSD\CAD Package 2\BHS C201 - C202.dwg
PLOT DATE: December 02, 2024 - 2:53pm
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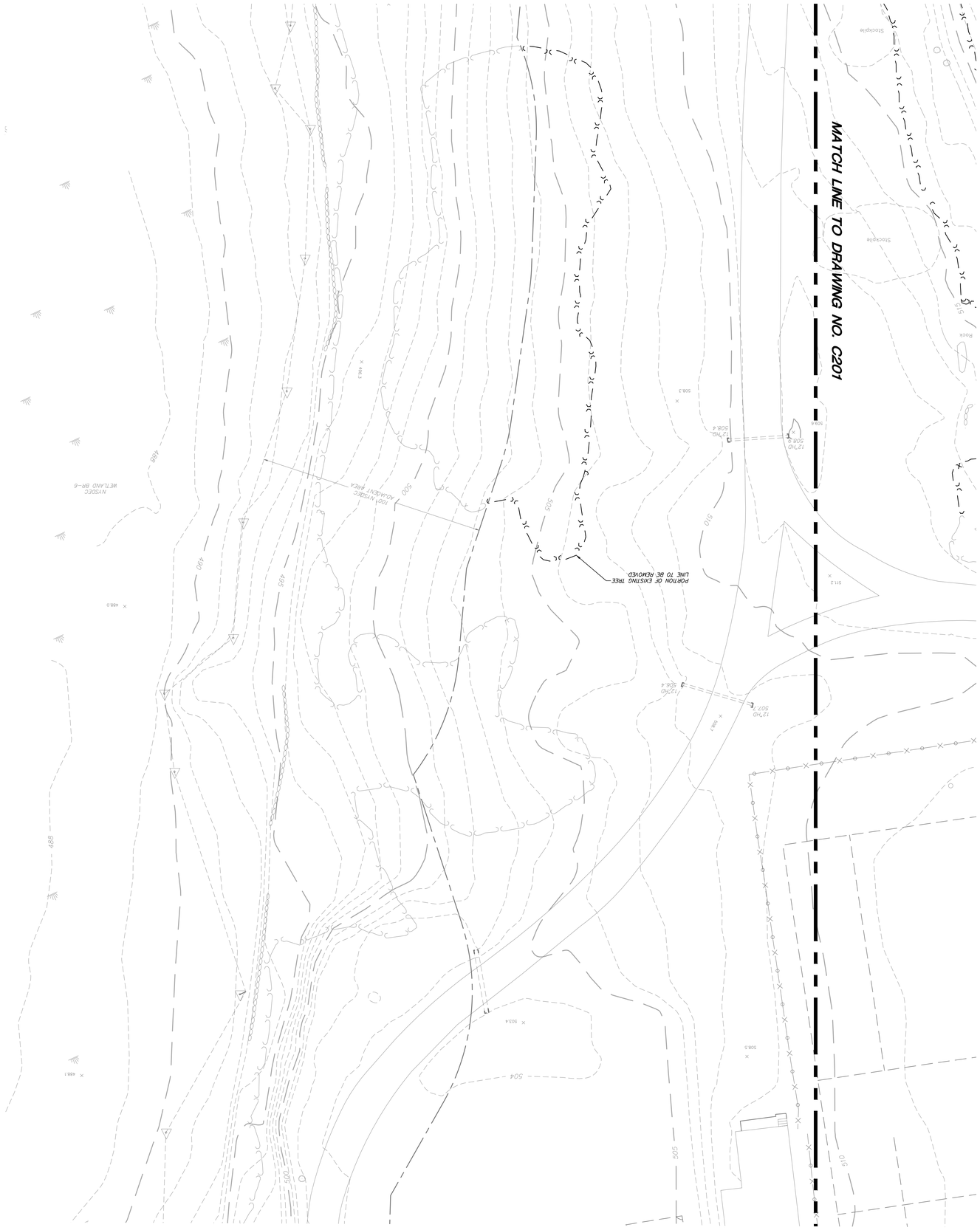
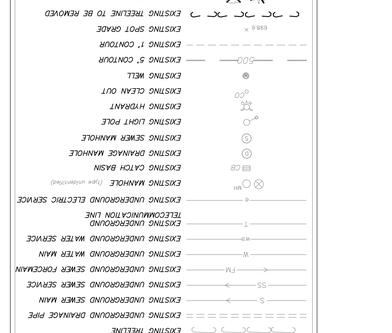


GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.
0
10
20
40

KEY MAP
SCALE: 1" = 200'



LEGEND

- EXISTING PROPERTY LINE
- EXISTING WETLAND
- EXISTING WETLAND FLAG
- EXISTING WETLAND BUFFER
- EXISTING STONE WALL
- EXISTING CHAIN LINK FENCE
- EXISTING GUIDE RAIL
- EXISTING CONCRETE CURB
- EXISTING UTILITY POLE W/ GUY AND OVERHEAD WIRE
- EXISTING SIGN
- EXISTING LIGHT POLE
- EXISTING EVERGREEN TREE
- EXISTING DECIDUOUS TREE
- EXISTING TREELINE
- EXISTING UNDERGROUND DRAINAGE PIPE
- EXISTING UNDERGROUND SEWER MAIN
- EXISTING UNDERGROUND SEWER SERVICE
- EXISTING UNDERGROUND SEWER FORCEMAIN
- EXISTING UNDERGROUND WATER MAIN
- EXISTING UNDERGROUND WATER SERVICE
- EXISTING UNDERGROUND TELECOMMUNICATION LINE
- EXISTING UNDERGROUND ELECTRIC SERVICE
- EXISTING MANHOLE (Type unidentified)
- EXISTING CATCH BASIN
- EXISTING DRAINAGE MANHOLE
- EXISTING SEWER MANHOLE
- EXISTING HYDRANT
- EXISTING LIGHT POLE
- EXISTING CLEAN OUT
- EXISTING MELL
- EXISTING 5' CONTOUR
- EXISTING 1' CONTOUR
- EXISTING SPOT GRADE
- EXISTING TREELINE TO BE REMOVED
- EXISTING TREE TO BE REMOVED
- EXISTING SURFACE SITE FEATURE TO BE REMOVED
- EXISTING SUBSURFACE SITE FEATURE TO BE REMOVED
- EXISTING SUBSURFACE SITE FEATURE TO BE ABANDONED IN PLACE

PROJECT:
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAPITAL IMPROVEMENT PROJECT
RENOVATIONS & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
PACKAGE 2
EXISTING CONDITIONS AND REMOVALS PLAN

DATE	ISSUED TO
12-9-2024	BID SUBMISSION
10-31-2024	NYCDEP SUBMISSION
3-5-2024	SED SUBMISSION
2-14-2024	NYCDEP SUBMISSION
11-29-2023	D.D. SUBMISSION

SHEET SIZE: 30"x42"
SCALE: 1"=20'
DRAWING NO: CVS C202
DRAWN BY: TSM
FILE NO: 23505.02

S.E.D. CONTROL NUMBER:
44-06-01-06-0-001-026

LICENSE EXP. DATE: 07-31-2026
CERT NO. 243623
STATE OF NEW YORK
STEVEN M. WATSON
NO. 17931
LICENSED PROFESSIONAL ENGINEER

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INSITE PROJECT# 21149.00

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WWW.FULLERDANGELO.COM

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LEGEND

- EXISTING PROPERTY LINE
- EXISTING STONE WALL
- EXISTING CHAIN LINK FENCE
- EXISTING SIGN
- EXISTING WETLAND
- EXISTING LIMITS OF WETLAND (See Note)
- EXISTING WETLAND FLAG (Survey Located)
- EXISTING WETLAND BUFFER
- EXISTING DECIDUOUS TREE
- EXISTING TREELINE
- NEW EDGE OF SIDEWALK
- NEW RETAINING WALL
- NEW SINGLE POLE SIGN
- NEW DOOR LOCATION
- NEW ADA COMPLIANT RAMP
- NEW STAMPED CONCRETE
- NEW LANDING

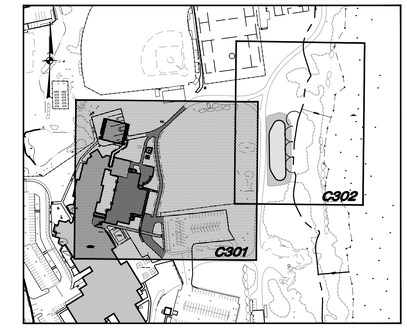
SEED MIXES:

SEED MIX # 1/LAWN AREAS – Seed mix for lawn areas and all other disturbed areas that are not receiving other forms of permanent stabilization or seed mix, at a rate of 100 lbs. per acre.

Kentucky Bluegrass	20%
Creeping Red Fescue	40%
Perennial Ryegrass	20%
Annual Ryegrass	20%

SEED MIX # 2 – For seeding cut and fill slopes along road and around parking area, for berms, backslopes and interior slopes of stormwater basins, to and all other disturbed areas not receiving other form of permanent stabilization or seed mix, at a rate of 60 lbs/acre: Native Steep Slopes w/ Annual Rye Grass Seed Mix (ERNMX-181) from Ernst Conservation Seeds of Meadville, PA.

SEED MIX #3 – For bottoms of stormwater basins and for interior slopes and aquatic bench of pocket pond stormwater managment areas, at a rate of 30 lbs/acre: Retention Basin Floor Mix – Low Maintenance (ERNMX-126) from Ernst Conservation Seeds of Meadville, PA.



KEY MAP
SCALE: 1" = 200'

GRAPHIC SCALE
0 10 20 40
(IN FEET)
1 inch = 20 ft.

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STATE OF NEW YORK
JUDITH M. WATERS
No. 77960
LICENSED PROFESSIONAL ENGINEER

LICENSE EXP. DATE: 07-31-2026
CERT. NO: 2438573

S.E.D. CONTROL NUMBER:
48-05-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
RENOVATIONS & ADDITION
REF. CVS-DRAWINGS & REPORTS
257 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
PACKAGE 2
LAYOUT AND LANDSCAPE PLAN

DATE	ISSUED TO
12-9-2024	BID SUBMISSION
10-31-2024	NYCDEP SUBMISSION
3-5-2024	SED SUBMISSION
2-14-2024	NYCDEP SUBMISSION
11-29-2023	D.D. SUBMISSION

SHEET SIZE 30"x42"	DRAWING NO. CVS C301
SCALE 1"=20'	
DRAWN BY TSM	FILE NO. 23505.02

PLOT DATE: December 02, 2024 - 3:20pm

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FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 2\BHS C301 - C302.dwg

FILE: Z:\E\E23149100 F&D Brewster CSD\CADD Package 2\BHS C301 - C302.dwg
PLOT DATE: December 02, 2024 - 2:54pm
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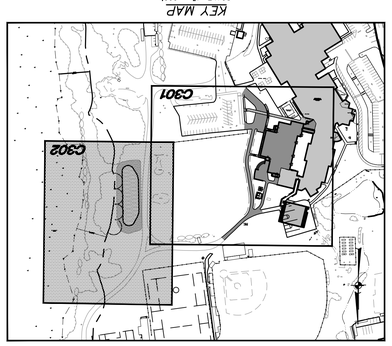

GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.
0
10
20
40

LEGEND

- EXISTING PROPERTY LINE
- EXISTING STONE WALL
- EXISTING CHAIN LINK FENCE
- EXISTING SIGN
- EXISTING WETLAND
- EXISTING LIMITS OF WETLAND (Survey Location) (Site Note)
- EXISTING WETLAND FLAG
- EXISTING WETLAND BUFFER
- EXISTING DECIDUOUS TREE
- EXISTING TREELINE
- NEW EDGE OF SIDEWALK
- NEW RETAINING WALL
- NEW SINGLE POLE SIGN
- NEW DOOR LOCATION
- NEW ADA COMPLIANT RAMP
- NEW STAMPED CONCRETE
- NEW LANDING

SEED MIXES:

SEED MIX # 1/LAWN AREAS – Seed mix for lawn areas and all other disturbed areas that are not receiving other forms of permanent stabilization or seed mix. at a rate of 100 lbs. per acre.

Kentucky Bluegrass	20%
Creeping Red Fescue	40%
Perennial Ryegrass	20%
Annual Ryegrass	20%

SEED MIX # 2 – For seeding out and fill slopes along road and around parking area, for berms, backslopes and interior slopes of stormwater basins, to and all other disturbed areas not receiving other form of permanent stabilization or seed mix. at a rate of 60 lbs/acre. Native Conservation Seeds of Meadville, PA.

SEED MIX #3 – For bottoms of stormwater basins and for interior slopes and aquatic bench of pocket pond stormwater management areas, at a rate of 30 lbs/acre. Retention Basin Floor Mix – Low Maintenance (ERNMX-126) from Ernst Conservation Seeds of Meadville, PA.

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INSITE PROJECT# 21149.00

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DRAWN BY	TSM
FILE NO.	2350S.02
SCALE	1"=20'
SHEET SIZE	30"x42"
DRAWING NO.	CVS C302

DATE	ISSUED TO
12-9-2024	BID SUBMISSION
10-31-2024	NYCDEP SUBMISSION
3-5-2024	SED SUBMISSION
2-14-2024	NYCDEP SUBMISSION
11-29-2023	D.D. SUBMISSION

PROJECT:
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAPITAL IMPROVEMENT PROJECT
RENOVATIONS & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
PACKAGE 2
LAYOUT AND LANDSCAPE PLAN

S.E.D. CONTROL NUMBER:
46-06-01-06-0-001-026

LICENSE EXP. DATE: 07-31-2026
CERT. NO. 243623
STATE OF NEW YORK
STEVEN M. WATSON
LICENSED PROFESSIONAL ENGINEER
No. 77931

LEGEND

- EXISTING PROPERTY LINE
- EXISTING WETLAND
- EXISTING WETLAND FLAG
- EXISTING WETLAND BUFFER
- EXISTING STONE WALL
- EXISTING CHAIN LINK FENCE
- EXISTING GUIDE RAIL
- EXISTING CONCRETE CURB
- EXISTING UTILITY POLE W/ GUY AND OVERHEAD WIRE
- EXISTING SIGN
- EXISTING UNDERGROUND DRAINAGE PIPE
- EXISTING UNDERGROUND SEWER MAIN
- EXISTING UNDERGROUND SEWER SERVICE
- EXISTING UNDERGROUND SEWER FORCEMAIN
- EXISTING UNDERGROUND WATER MAIN
- EXISTING UNDERGROUND WATER SERVICE
- EXISTING UNDERGROUND TELECOMMUNICATION LINE
- EXISTING UNDERGROUND ELECTRIC SERVICE
- EXISTING MANHOLE (type unidentified)
- EXISTING CATCH BASIN
- EXISTING DRAINAGE MANHOLE
- EXISTING SEWER MANHOLE
- EXISTING CLEAN OUT
- EXISTING 5' CONTOUR
- EXISTING 1' CONTOUR
- EXISTING SPOT GRADE
- NEW 5' CONTOUR
- NEW 1' CONTOUR
- NEW SPOT ELEVATION
- NEW TOP OF WALL & BOTTOM OF WALL ELEVATIONS
- MATCH EXISTING GRADE
- NEW DRAINAGE MANHOLE
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- NEW OUTLET STRUCTURE
- NEW END SECTION
- NEW WATER GATE VALVE
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- NEW 2"ø HDPE DR-11 SEWER FORCE MAIN
- NEW 4"ø HDPE DR-13 INVERTED SIPHON SEWER LINE
- NEW 4"ø PVC SDR 35 SEWER SERVICE LINE
- NEW 6"ø CLASS 52 DIP DOMESTIC WATER MAIN LINE
- NEW CLASS 52 DIP 6"ø FIRE WATER SERVICE
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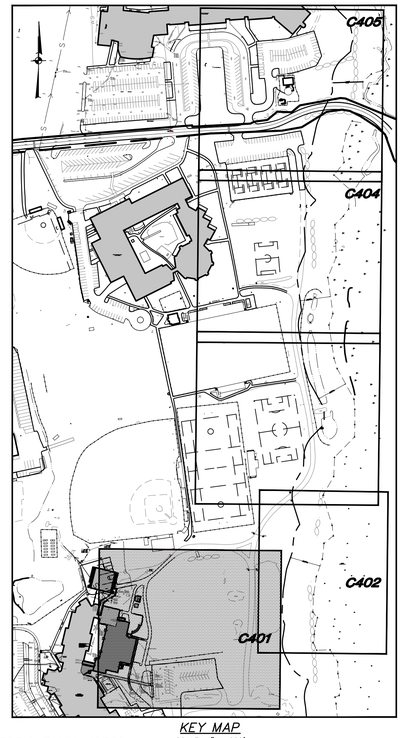
- NEW ROOF DRAIN
- NEW 4"ø PVC SDR 35 FOOTING DRAIN @ 0.5% MIN SLOPE
- NEW 4"ø PVC SDR 35 VENT LINE
- PITCH TO DRAIN
- NEW CLEAN OUT



KEY MAP
SCALE: 1" = 200'

SEPTIC TANK NOTES:

1. CONTRACTOR TO COMPLETE TEST PITS TO EXPOSE ALL CORNERS OF EXISTING TANK AND PROVIDE MEASUREMENTS ON ROOF SLAB SIZE.
2. CONTRACTOR TO ENGAGE PRECAST CONCRETE SUPPLY COMPANY TO DESIGN AND SUPPLY REPLACEMENT PRECAST CONCRETE TOP SLAB
3. PRECAST CONCRETE TOP SLAB REQUIREMENTS:
   a. H25 LOADING.
   b. DESIGNED DRAWINGS STAMPED AND SIGNED BY A NYS LICENSED ENGINEER CONFIRMING H20 LOADING.
   c. WATER TIGHT BUTYL SEAL TO BE PROVIDED BETWEEN TANK AND ROOF SLAB.
   d. 24"ø TANK ACCESS, QUANTITY TO MATCH EXISTING.
4. REMOVE TANK COVER AND RELATED ITEMS.
5. PROVIDE PRECAST CONCRETE RISERS AND BRICK ADJUSTMENT TO RESET MANHOLE FRAMES AND COVERS TO PROPOSED GRADE.

GRAPHIC SCALE
0 10 20 40
(IN FEET)
1 inch = 20 ft.

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ENGINEERING AND SURVEYING BY:
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INSITE PROJECT# 23149.100

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STATE OF NEW YORK — KEITH M. WATSON — LICENSED PROFESSIONAL ENGINEER — No. 77905

LICENSE EXP. DATE: 07-31-2026
CERT. NO: 2438573

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
C.V. STARR INTERMEDIATE SCHOOL RENOVATION AND ADDITION
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
PACKAGE 2
GRADING AND UTILITIES PLAN

DATE	ISSUED TO
12-9-2024	BID SUBMISSION
10-31-2024	NYCDEP SUBMISSION
9-27-2024	FIRE WATER SUPPLY
3-5-2024	SED SUBMISSION
2-14-2024	NYCDEP SUBMISSION
1-23-2024	NYSEG COORDINATION

SHEET SIZE 30"x42"
DRAWING NO. CVS C401
SCALE 1"=20'
DRAWN BY TSM
FILE NO. 23505.02

PLOT DATE: December 02, 2024 - 5:10pm
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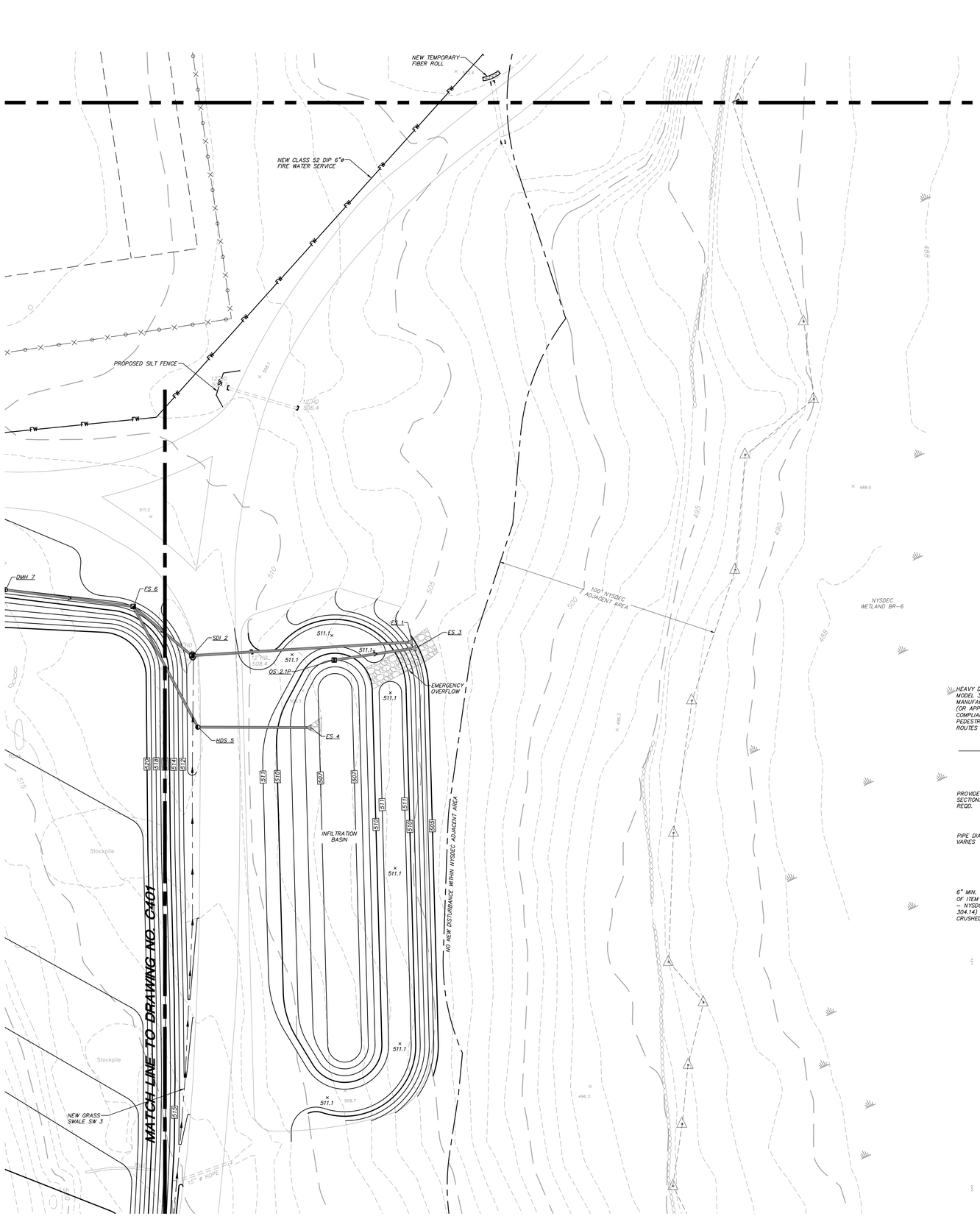
FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 2\BHS C401-405.dwg



DRAINAGE TABLE

Structure	RIM	INVERT ELEVATION	PIPE	LENGTH	SLOPE
DI 9	517.50	INV. IN = 514.0 FROM DMH 10 INV. IN = 513.8 FROM DI 9A INV. OUT = 513.4 TO DMH 8	18" HDPE 12" HDPE 18" HDPE	109 L.F. 33 L.F. 121 L.F.	1.4% 1.2% 1.1%
DI 9A	517.20	INV. OUT = 514.2 TO DI 9	12" HDPE	33 L.F.	1.2%
DI 10A	519.00	INV. OUT = 516.5 TO DMH 10	12" HDPE	46 L.F.	1.1%
DI 11	521.85	INV. IN = 516.7 FROM DI 12 INV. IN = 516.9 FROM YD 11A INV. OUT = 516.7 TO DMH 10	15" HDPE 12" HDPE 18" HDPE	13 L.F. 35 L.F. 79 L.F.	1.5% 1.1% 1.5%
DI 12	525.30	INV. IN = 516.9 FROM DMH 13 INV. OUT = 516.9 TO DI 11	12" HDPE 15" HDPE	78 L.F. 13 L.F.	1.0% 1.5%
DMH 7	513.00	INV. IN = 510.0 FROM DMH 8 INV. OUT = 510.0 TO S 6	18" HDPE 18" HDPE	126 L.F. 57 L.F.	1.7% 1.4%
DMH 8	515.30	INV. IN = 512.1 FROM DI 9 INV. OUT = 512.1 TO DMH 7	18" HDPE 18" HDPE	121 L.F. 126 L.F.	1.1% 1.7%
DMH 10	522.50	INV. IN = 515.5 FROM DI 11 INV. IN = 516.0 FROM DI 10A INV. OUT = 515.5 TO DI 9	18" HDPE 12" HDPE 18" HDPE	79 L.F. 46 L.F. 109 L.F.	1.5% 1.1% 1.4%
DMH 13	529.10	INV. IN = 517.7 FROM YD 14 INV. IN = 524.5 FROM YD 13A INV. OUT = 517.7 TO DI 12	12" HDPE 12" HDPE 12" HDPE	40 L.F. 27 L.F. 78 L.F.	1.2% 1.8% 1.0%
DMH 17	519.40	INV. IN = 515.8 FROM DMH 18 INV. IN = 515.8 FROM EX RELOC FS INV. OUT = 515.8 TO DI A	18" HDPE 18" HDPE 18" HDPE	134 L.F. 16 L.F. 14 L.F.	1.1% 1.3% 2.1%
DMH 18	522.20	INV. IN = 517.8 FROM DMH 19 INV. OUT = 517.3 TO DMH 17	18" HDPE 18" HDPE	200 L.F. 134 L.F.	1.9% 1.1%
DMH 19	530.00	INV. IN = 522.1 FROM DMH 20 INV. OUT = 521.7 TO DMH 18	18" HDPE 18" HDPE	85 L.F. 200 L.F.	1.1% 1.9%
DMH 20	535.40	INV. IN = 523.0 FROM EX DMH INV. IN = 526.5 FROM PR. 12" ELBOW INV. IN = 530.7 FROM UD A INV. OUT = 523.0 TO DMH 19	18" HDPE 12" HDPE 6" HDPE 18" HDPE	129 L.F. 12 L.F. 8 L.F. 85 L.F.	3.8% 35.6% 1.3% 1.1%
ES 1		INV. IN = 505.5 FROM SDI 2	18" HDPE	98 L.F.	1.5%
ES 3		INV. IN = 505.5 FROM OS 2.1P	12" HDPE	37 L.F.	1.4%
ES 4		INV. IN = 507.5 FROM HDS 5	12" HDPE	50 L.F.	1.0%
EX BLDG RD		INV. OUT = 518.1 TO EX RELOC FS	6" HDPE	15 L.F.	1.4%
EX DI A	517.90	INV. IN = 515.5 FROM DMH 17	18" HDPE	14 L.F.	2.1%
EX DMH	537.00	INV. OUT = 527.9 TO DMH 20	18" HDPE	129 L.F.	3.8%
EX RELOC FS	520.20	INV. IN = 517.9 FROM EX BLDG RD INV. OUT = 516.0 TO DMH 17 INV. OUT = 516.9 TO Ex. HDS	6" HDPE 18" HDPE 8" HDPE	15 L.F. 16 L.F. 9 L.F.	1.4% 1.3% 4.5%
EX. 12" PIPE		INV. OUT = 531.1 TO PR. 12" ELBOW	12" HDPE	10 L.F.	3.1%
Ex. HDS	519.00	INV. IN = 516.5 FROM EX RELOC FS	8" HDPE	9 L.F.	4.5%
FS 6	513.00	INV. IN = 509.2 FROM DMH 7 INV. OUT = 509.2 TO HDS 5 INV. OUT = 507.7 TO SDI 2	18" HDPE 12" HDPE 18" HDPE	57 L.F. 61 L.F. 34 L.F.	1.4% 1.5% 2.1%
HDS 5	510.90	INV. IN = 508.3 FROM FS 6 INV. OUT = 508.0 TO ES 4	12" HDPE 12" HDPE	61 L.F. 50 L.F.	1.5% 1.0%
OS 2.1P	510.00	INV. OUT = 506.0 TO ES 3	12" HDPE	37 L.F.	1.4%
PR. 12" ELBOW		INV. IN = 530.8 FROM EX. 12" PIPE INV. OUT = 530.8 TO DMH 20	12" HDPE 12" HDPE	10 L.F. 12 L.F.	3.1% 35.6%
SDI 2	511.00	INV. IN = 507.0 FROM FS 6 INV. OUT = 507.0 TO ES 1	18" HDPE 18" HDPE	34 L.F. 98 L.F.	2.1% 1.5%
UD A		INV. IN = 530.8 FROM UD B INV. OUT = 530.8 TO DMH 20	6" HDPE 6" HDPE	19 L.F. 8 L.F.	1.0% 1.3%
UD B		INV. OUT = 531.0 TO UD A	6" HDPE	19 L.F.	1.0%
YD 11A	520.45	INV. IN = 517.3 FROM YD 11B INV. OUT = 517.3 TO DI 11	12" HDPE 12" HDPE	5 L.F. 35 L.F.	2.0% 1.1%
YD 11B	520.45	INV. OUT = 517.4 TO YD 11A	12" HDPE	5 L.F.	2.0%
YD 13A	528.00	INV. OUT = 525.0 TO DMH 13	12" HDPE	27 L.F.	1.8%
YD 14	522.65	INV. IN = 519.2 FROM YD 14A INV. IN = 518.2 FROM YD 15 INV. OUT = 518.2 TO DMH 13	12" HDPE 12" HDPE 12" HDPE	15 L.F. 6 L.F. 40 L.F.	1.4% 1.6% 1.2%
YD 14A	522.85	INV. OUT = 519.4 TO YD 14	12" HDPE	15 L.F.	1.4%
YD 15	520.40	INV. IN = 518.3 FROM YD 16 INV. OUT = 518.3 TO YD 14	12" HDPE 12" HDPE	4 L.F. 6 L.F.	2.8% 1.6%
YD 16	520.40	INV. OUT = 518.4 TO YD 15	12" HDPE	4 L.F.	2.8%

LEGEND

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- EXISTING SEWER MANHOLE
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- 500 — EXISTING 5' CONTOUR
- EXISTING 1' CONTOUR
- 698.6 × — EXISTING SPOT GRADE
- 525 — NEW 5' CONTOUR
- NEW 1' CONTOUR
- 100.5 / 100.5 — NEW SPOT ELEVATION
- TW 105.0 / BW 100.0 — NEW TOP OF WALL & BOTTOM OF WALL ELEVATIONS
- M.E.G. — MATCH EXISTING GRADE
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- NEW CATCH BASIN
- NEW OUTLET STRUCTURE
- NEW END SECTION
- GV — NEW WATER GATE VALVE
- NEW HDPE DRAINAGE PIPE
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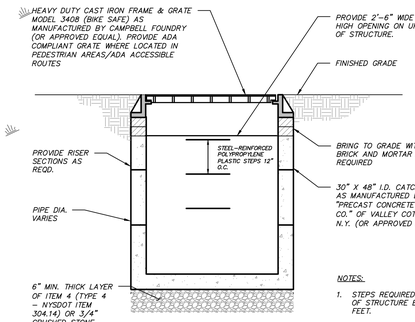
- W — NEW 6"ø CLASS 52 DIP DOMESTIC WATER MAIN LINE
- FW — NEW CLASS 52 DIP 6"ø FIRE WATER SERVICE
- WS — NEW 4"ø CLASS 52 DIP DOMESTIC WATER SERVICE LINE
- RD — NEW ROOF DRAIN
- FD — NEW 4"ø PVC SDR 35 FOOTING DRAIN @ 0.5% MIN SLOPE
- V — V — V — NEW 4"ø PVC SDR 35 VENT LINE
- PTD — PITCH TO DRAIN
- CO — NEW CLEAN OUT



NOTES:
1. STEPS REQUIRED IF DEPTH OF STRUCTURE EXCEEDS 4 FEET.
2. STRUCTURE AND GRATE TO BE DESIGNED FOR H-20 LOADING.
3. KNOCKOUT STRUCTURES ACCEPTED.

30" X 48" SIDE DRAIN INLET DETAIL
(N.T.S.)

SEWER, WATER, DRAINAGE NOTE:

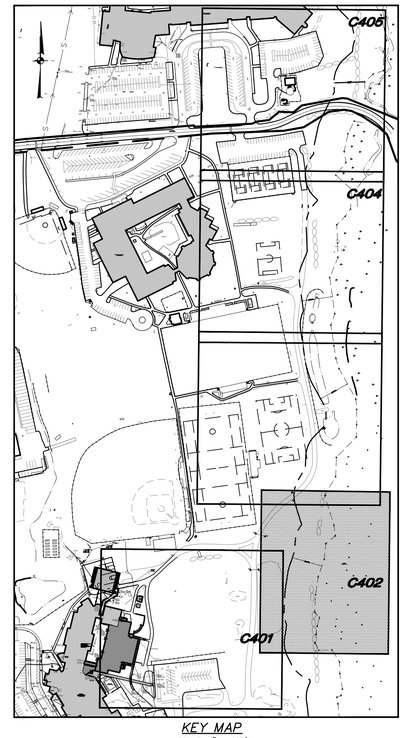
1. Existing utilities to be protected and remain in service until new systems are put in use.

WATER CONSTRUCTION SEQUENCE:

1. Existing system shall be protected and remain in use until new system is installed, tested and Design Engineer and PCDOH approve switchover.
2. Install new water line but do not connect.
3. Provide temporary bracing and restraints as required for pressure testing. Provide proposed plan for pressure testing and disinfection for review per plan notes.
4. Complete pressure, disinfection, leakage, bacteriological and operational testing. Contractor to supply temporary potable water for testing, and provide temporary connections for intake and discharge area. Discharge area must be stabilized.
5. After approval from Design Engineer and PCDOH, complete connections and switchover.
   a. Coordinate temporary shutdown with school, construction manager, and Design Engineer.
   b. Post boil water notice signs at sinks, water fountains, and fixtures.
   c. Disinfect final connection materials with 1.0% chlorine solution.
   d. Provide pump and sump so water does not flood trench to level of new water service. Saw cut existing water line and remove as required for final connection.
   e. Complete additional bacteriological test after connection. (Two tests 24-hours apart from JFK & high school, 4 total tests. After acceptable bacteriological testing, remove boil water notices.)
6. Remove and dispose of existing equipment no longer in service.

INVERTED SIPHON CONSTRUCTION SEQUENCE:

1. Existing system shall be protected and remain in use until new system is installed, tested and Design Engineer and PCDOH approve switchover.
2. Install new sewer line but do not connect.
3. Provide temporary bracing and restraints as required for pressure testing. Provide proposed plan for pressure testing for review per plan notes.
4. After approval from Design Engineer and PCDOH, complete connections and switchover.
   a. Coordinate temporary shutdown with school, construction manager, and Design Engineer.
   b. Provide pump and sump so sewage does not flood trench to level of new sewer service. Saw cut existing sewer line and remove as required for final connection.
5. Remove and dispose of existing equipment no longer in service.



KEY MAP
SCALE: 1" = 200'

GRAPHIC SCALE
0 10 20 40
(IN FEET)
1 inch = 20 ft.

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JOHN M. WATSON
No. 77905
LICENSED PROFESSIONAL ENGINEER
LICENSE EXP. DATE: 07-31-2026
CERT. NO: 2438573

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
RENOVATION/ADDITION/ALTERATION
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
PACKAGE 2
GRADING AND UTILITIES PLAN

DATE	ISSUED TO
12-9-2024	BID SUBMISSION
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SHEET SIZE	DRAWING NO.
30"x42"	CVS C402
SCALE 1"=20'	
DRAWN BY TSM	FILE NO. 23505.02

PLOT DATE: December 02, 2024 – 5:05pm
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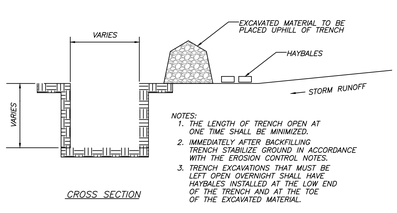
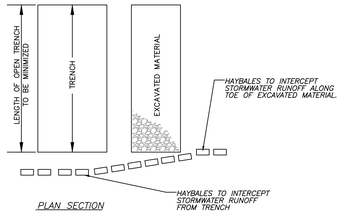


CROSS SECTION

NOTES:
1. THE LENGTH OF TRENCH OPEN AT ONE TIME SHALL BE MINIMIZED.
2. IMMEDIATELY AFTER BACKFILLING TRENCH STABILIZE GROUND IN ACCORDANCE WITH THE EROSION CONTROL NOTES.
3. TRENCH EXCAVATIONS THAT MUST BE LEFT OPEN OVERNIGHT SHALL HAVE HAYBALES INSTALLED AT THE LOW END OF THE TRENCH AND AT THE TOE OF THE EXCAVATED MATERIAL.



PLAN SECTION

UTILITY TRENCH EXCAVATION EROSION CONTROL DETAIL

(N.T.S.)

MATCH LINE TO DRAWING NO. C404

NEW CLASS 52 DIP 6"ø FIRE WATER SERVICE

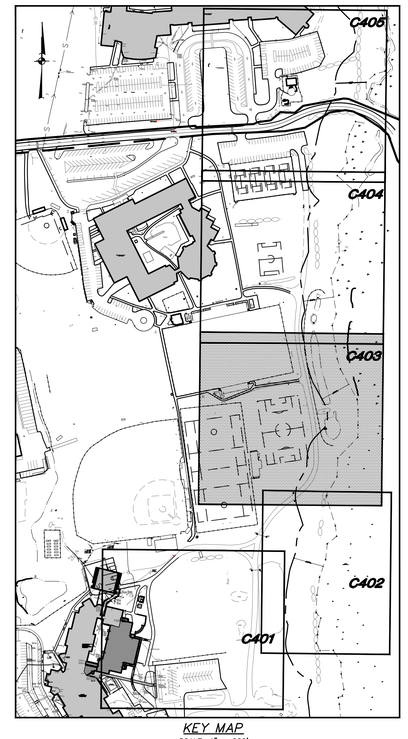
100' NYSDEC ADJACENT AREA

SAWCUT & REPLACE EXISTING 4" ASPHALT MILLINGS

NEW TEMPORARY FIBER ROLL

NEW CLASS 52 DIP 6"ø FIRE WATER SERVICE

MATCH LINE TO DRAWING NO. C402



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- NEW DRAINAGE MANHOLE
- NEW CATCH BASIN
- NEW OUTLET STRUCTURE
- NEW END SECTION
- GV — NEW WATER GATE VALVE
- NEW HDPE DRAINAGE PIPE
- FM — NEW 2"ø HDPE DR-11 SEWER FORCE MAIN
- IS — NEW 4"ø HDPE DR-13 INVERTED SIPHON SEWER LINE
- SS — NEW 4"ø PVC SDR 35 SEWER SERVICE LINE
- W — NEW 6"ø CLASS 52 DIP DOMESTIC WATER MAIN LINE
- FW — NEW CLASS 52 DIP 6"ø FIRE WATER SERVICE
- WS — NEW 4"ø CLASS 52 DIP DOMESTIC WATER SERVICE LINE
- RD — NEW ROOF DRAIN
- FD — NEW 4"ø PVC SDR 35 FOOTING DRAIN @ 0.5% MIN SLOPE
- V — V — V — NEW 4"ø PVC SDR 35 VENT LINE
- PTD — PITCH TO DRAIN
- CO — NEW CLEAN OUT

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INSITE PROJECT# 23149.100

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JOHN M. WATSON
STATE OF NEW YORK
No. 27959
LICENSED PROFESSIONAL ENGINEER

LICENSE EXP. DATE: 07-31-2026
CERT. NO: 2438573

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
RENOVATION & ADDITION, INTERIOR RENOVATIONS & RELOCATIONS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE:
PACKAGE 2
GRADING AND UTILITIES PLAN

DATE	ISSUED TO
12-9-2024	BID SUBMISSION
10-31-2024	NYCDEP SUBMISSION
9-27-2024	FIRE WATER SUPPLY

SHEET SIZE: 30"x42"
DRAWING NO.: CVS C403
SCALE: 1"=20'
DRAWN BY: TSM
FILE NO.: 23505.02

PLOT DATE: December 02, 2024 - 3:04pm
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FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 2\BHS C401-405.dwg

MATCH LINE TO DRAWING NO. C405

PROPOSED SILT FENCE

NEW TEMPORARY FIBER ROLL

NEW CLASS 52 DIP 6"ø FIRE WATER SERVICE

NEW TEMPORARY FIBER ROLL

NEW FIRE HYDRANT

SAWCUT & REPLACE EXISTING 4" ASPHALT MILLINGS

100' NYSDEC ADJACENT AREA

Approximate Location of Unknown Utility

J.F.K. Elementary School 1 Story Building

MATCH LINE TO DRAWING NO. C403

LEGEND

- EXISTING PROPERTY LINE
- EXISTING WETLAND
- EXISTING WETLAND FLAG
- EXISTING WETLAND BUFFER
- EXISTING STONE WALL
- EXISTING CHAIN LINK FENCE
- EXISTING GUIDE RAIL
- EXISTING CONCRETE CURB
- EXISTING UTILITY POLE W/ GUY AND OVERHEAD WIRE
- EXISTING SIGN
- EXISTING UNDERGROUND DRAINAGE PIPE
- S — EXISTING UNDERGROUND SEWER MAIN
- SS — EXISTING UNDERGROUND SEWER SERVICE
- FM — EXISTING UNDERGROUND SEWER FORCEMAIN
- W — EXISTING UNDERGROUND WATER MAIN
- WS — EXISTING UNDERGROUND WATER SERVICE
- T — EXISTING UNDERGROUND TELECOMMUNICATION LINE
- E — EXISTING UNDERGROUND ELECTRIC SERVICE
- MH — EXISTING MANHOLE (Type unidentified)
- CB — EXISTING CATCH BASIN
- EXISTING DRAINAGE MANHOLE
- S — EXISTING SEWER MANHOLE
- CO — EXISTING CLEAN OUT
- 500 — EXISTING 5' CONTOUR
- EXISTING 1' CONTOUR
- 698.6 × — EXISTING SPOT GRADE
- 525 — NEW 5' CONTOUR
- NEW 1' CONTOUR
- 100.5 / 100.5 — NEW SPOT ELEVATION
- TW 105.0 / BW 100.0 — NEW TOP OF WALL & BOTTOM OF WALL ELEVATIONS
- M.E.G. — MATCH EXISTING GRADE
- NEW DRAINAGE MANHOLE
- NEW CATCH BASIN
- NEW OUTLET STRUCTURE
- NEW END SECTION
- GV — NEW WATER GATE VALVE
- NEW HDPE DRAINAGE PIPE
- FM — NEW 2"ø HDPE DR-11 SEWER FORCE MAIN
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- PTD — PITCH TO DRAIN
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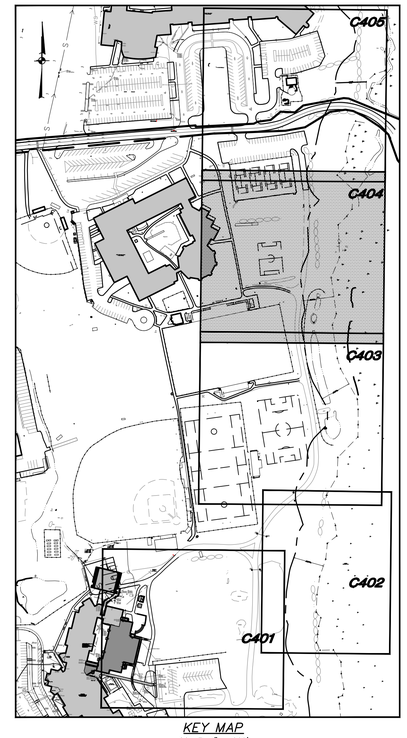

KEY MAP
SCALE: 1" = 200'

GRAPHIC SCALE
0 10 20 40
(IN FEET)
1 inch = 20 ft.

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No. 77950
LICENSED PROFESSIONAL ENGINEER

LICENSE EXP. DATE: 07-31-2026
CERT. NO: 2438573

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
RENOVATION, ADDITION, INTERIOR RENOVATION & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE:
PACKAGE 2
GRADING AND UTILITIES PLAN

12-9-2024	BID SUBMISSION
10-31-2024	NYCDEP SUBMISSION
9-27-2024	FIRE WATER SUPPLY
DATE	ISSUED TO

SHEET SIZE: 30"x42"	DRAWING NO.: CVS C404
SCALE: 1"=20'	
DRAWN BY: TSM	FILE NO.: 23505.02

PLOT DATE: December 02, 2024 - 3:05pm

FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 2\BHS C401-405.dwg

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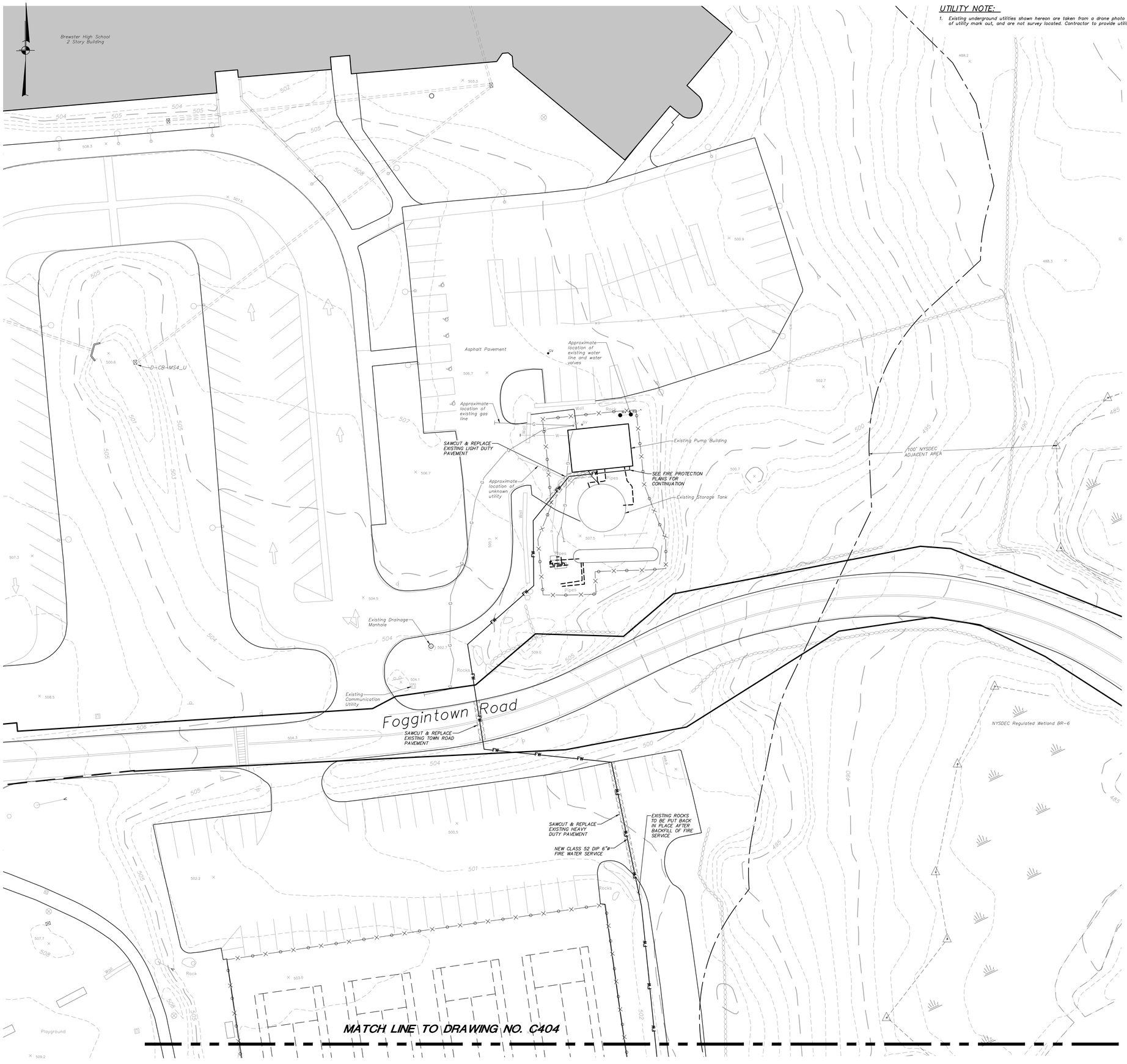

UTILITY NOTE:

1. Existing underground utilities shown hereon are taken from a drone photo provided by school of utility mark out, and are not survey located. Contractor to provide utility markout.

LEGEND

- EXISTING PROPERTY LINE
- EXISTING WETLAND
- EXISTING WETLAND FLAG
- EXISTING WETLAND BUFFER
- EXISTING STONE WALL
- EXISTING CHAIN LINK FENCE
- EXISTING GUIDE RAIL
- EXISTING CONCRETE CURB
- EXISTING UTILITY POLE W/ GUY AND OVERHEAD WIRE
- EXISTING SIGN
- EXISTING UNDERGROUND DRAINAGE PIPE
- EXISTING UNDERGROUND SEWER MAIN
- EXISTING UNDERGROUND SEWER SERVICE
- EXISTING UNDERGROUND SEWER FORCEMAIN
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- EXISTING MANHOLE (type unidentified)
- EXISTING CATCH BASIN
- EXISTING DRAINAGE MANHOLE
- EXISTING SEWER MANHOLE
- EXISTING CLEAN OUT
- EXISTING 5' CONTOUR
- EXISTING 1' CONTOUR
- EXISTING SPOT GRADE
- NEW 5' CONTOUR
- NEW 1' CONTOUR
- NEW SPOT ELEVATION
- NEW TOP OF WALL & BOTTOM OF WALL ELEVATIONS
- MATCH EXISTING GRADE
- NEW DRAINAGE MANHOLE
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- NEW OUTLET STRUCTURE
- NEW END SECTION
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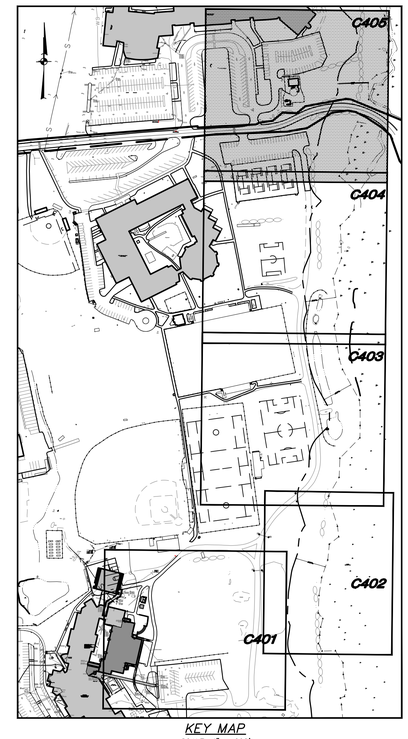

KEY MAP
SCALE: 1" = 200'

GRAPHIC SCALE
0 10 20 40
(IN FEET)
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STATE OF NEW YORK
JOHN M. WATSON
No. 77950
LICENSED PROFESSIONAL ENGINEER

LICENSE EXP. DATE: 07-31-2026
CERT. NO: 2438573

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
RENOVATION & INTERIOR RENOVATION & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE:
PACKAGE 2
GRADING AND UTILITIES PLAN

DATE	ISSUED TO
12-9-2024	BID SUBMISSION
10-31-2024	NYCDEP SUBMISSION
9-27-2024	FIRE WATER SUPPLY

SHEET SIZE: 30"x42"	DRAWING NO.: CVS C405
SCALE: 1"=20'	
DRAWN BY: TSM	FILE NO.: 23505.02

PLOT DATE: December 02, 2024 - 3:23pm
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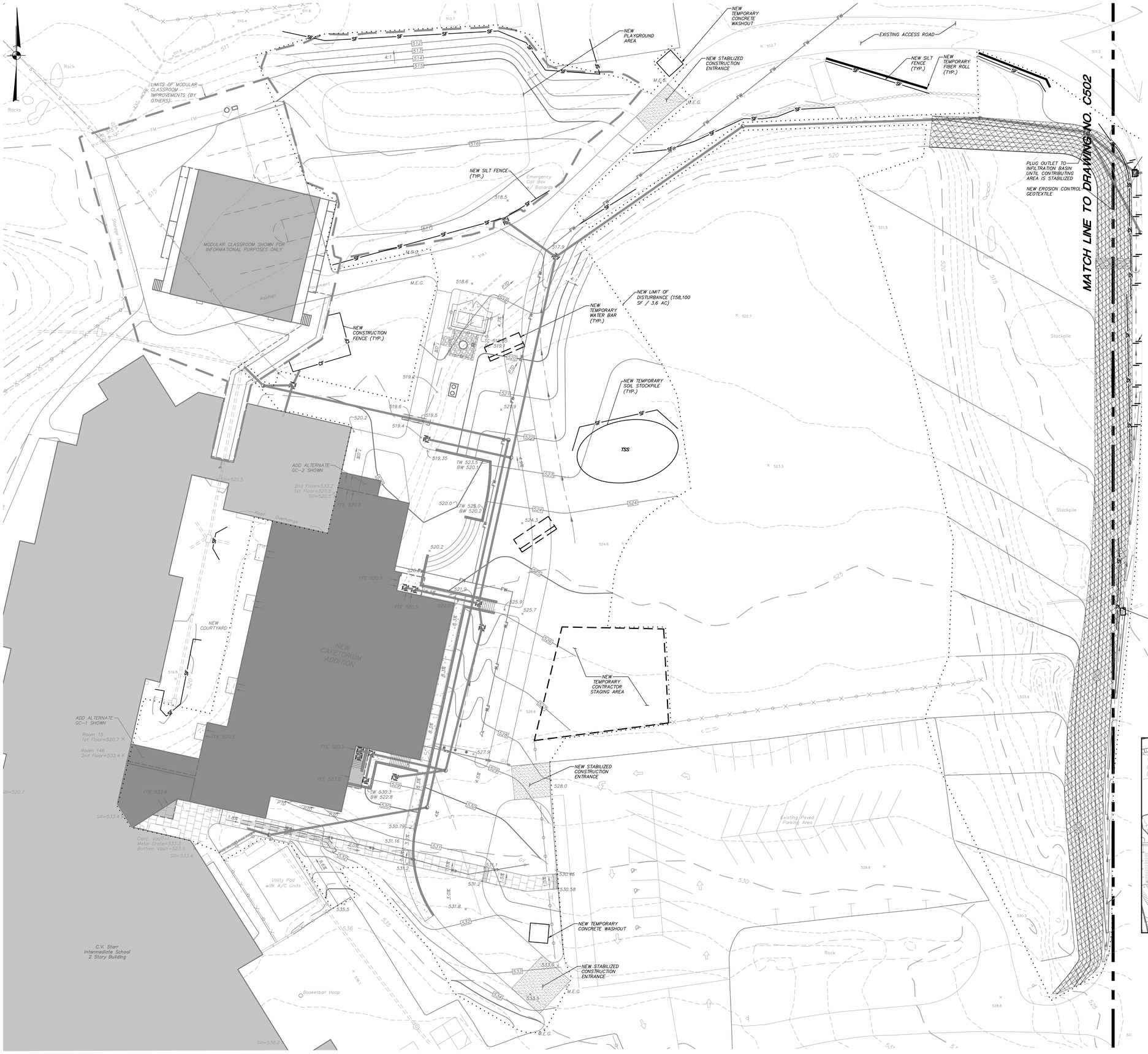
FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 2\BHS C401-405.dwg



LEGEND

- EXISTING PROPERTY LINE
- EXISTING WETLAND
- EXISTING WETLAND FLAG
- EXISTING WETLAND BUFFER
- EXISTING STONE WALL
- EXISTING CHAIN LINK FENCE
- EXISTING GUIDE RAIL
- EXISTING CONCRETE CURB
- EXISTING SIGN
- EXISTING UNDERGROUND DRAINAGE PIPE
- EXISTING UNDERGROUND SEWER MAIN
- EXISTING UNDERGROUND SEWER FORCEMAIN
- EXISTING MANHOLE (Type unidentified)
- EXISTING 5' CONTOUR
- EXISTING 1' CONTOUR
- EXISTING SPOT GRADE
- NEW 5' CONTOUR
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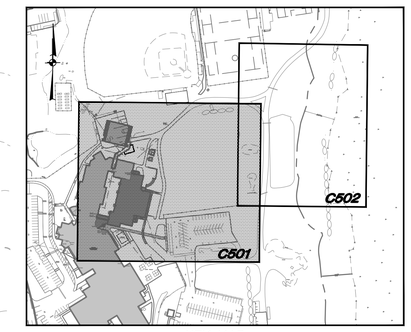
- NEW SPOT ELEVATION
- NEW TOP OF WALL & BOTTOM OF WALL ELEVATIONS
- NEW DRAINAGE MANHOLE
- NEW CATCH BASIN
- NEW OUTLET STRUCTURE
- NEW END SECTION
- NEW WATER GATE VALVE
- NEW HDPE DRAINAGE PIPE
- PITCH TO DRAIN
- NEW SILT FENCE
- NEW CONSTRUCTION FENCE
- NEW STONE RIP-RAP
- NEW LIMITS OF DISTURBANCE
- NEW TEMPORARY SOIL STOCKPILE
- NEW STABILIZED CONSTRUCTION ENTRANCE
- NEW TEMPORARY ANCHORED STABILIZATION MATTING
- NEW DRAINAGE STRUCTURE W/ INLET PROTECTION
- NEW STONE CHECK DAM

2 *PACKAGE 2: (3.6 ac)*

1. *Schedule a pre construction meeting with NYCDEP, Design Engineer and school.*
2. *Install stabilized construction entrance/anti-tracking pad at site entrances and inlet protection within existing drainage structures to remain.*
3. *Install silt fence, tree protection and construction fence in general locations indicated on the plan and as directed by the school or project engineer.*
4. *Cut and grub trees within the limits disturbance of the phase. Logs shall be removed from the site and branches shall be chipped and stockpiled onsite for use as temporary stabilization as needed.*
5. *Strip and stockpile topsoil on site for later use in lawn and landscape areas.*
6. *Stabilization of idle areas to commence by next business day and temporary stabilization be completed within 7 days of activities ceasing in the area.*
7. *Install utilities to be replaced from proposed building footprint.*
8. *Begin excavation for foundation.*
9. *Begin earthwork operations for road, pathway and playground area grading.*
10. *Begin construction of cafetorium and installation of proposed drainage structures.*
11. *Construct the proposed infiltration basin. Remove stabilized construction entrance.*
12. *Topsoil, seed, and mulch stabilized construction entrance area. When installed, pipes contributing to infiltration systems shall be plugged until all contributing areas have been stabilized.*
13. *Install drainage pipes, hydrodynamic separator, and structures with inlet protection as shown within the limits of the phase. Outlet pipe from flow splitter to infiltration basin shall be plugged at the flow splitter and the infiltration basin shall remain offline until tributary areas have achieved final stabilization.*
14. *Replace septic tanks, roof slabs, and install sewer pump pit.*
15. *Install Base/Binder courses of for proposed asphalt areas.*
16. *Upon completion of grading operations, install finished driveway surfaces.*
17. *Topsoil, seed, and mulch all disturbed areas as soon as practical (within 7 days) in accordance with the Erosion and Sediment Control Notes contained on the package drawings.*
18. *Once final stabilization has been achieved remove plugs from pipes contributing to the infiltration system and bring the infiltration system onsite.*



KEY MAP
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GRAPHIC SCALE
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(IN FEET)
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TIMOTHY M. WATSON
No. 77935
LICENSED PROFESSIONAL ENGINEER

LICENSE EXP. DATE: 07-31-2026
CERT. NO: 2438573

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
RENOVATIONS & ADDITIONS TO FACILITY
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
PACKAGE 2
SEDIMENT & EROSION CONTROLS PLAN

DATE	ISSUED TO
12-9-2024	BID SUBMISSION
10-31-2024	NYCDEP SUBMISSION
3-5-2024	SED SUBMISSION
2-14-2024	NYCDEP SUBMISSION
11-29-2023	D.D. SUBMISSION

SHEET SIZE 30"x42"	DRAWING NO. CVS C501
SCALE 1"=20'	
DRAWN BY TSM	FILE NO. 23505.02

PLOT DATE: December 02, 2024 - 5:00pm

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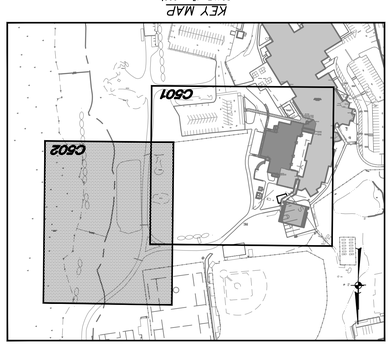

GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.
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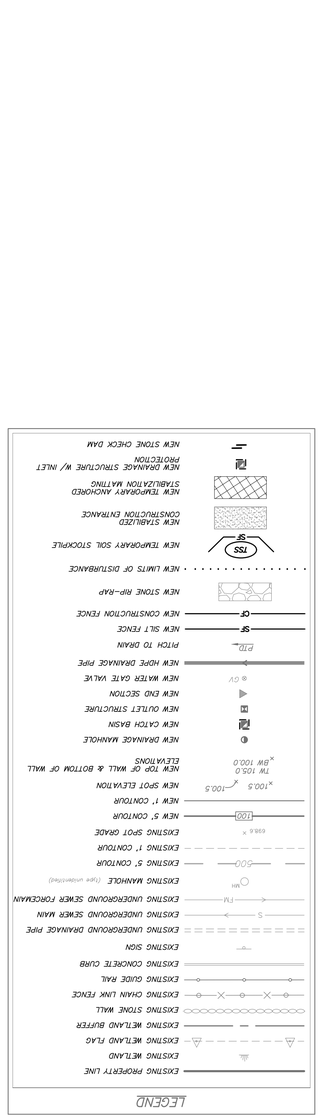
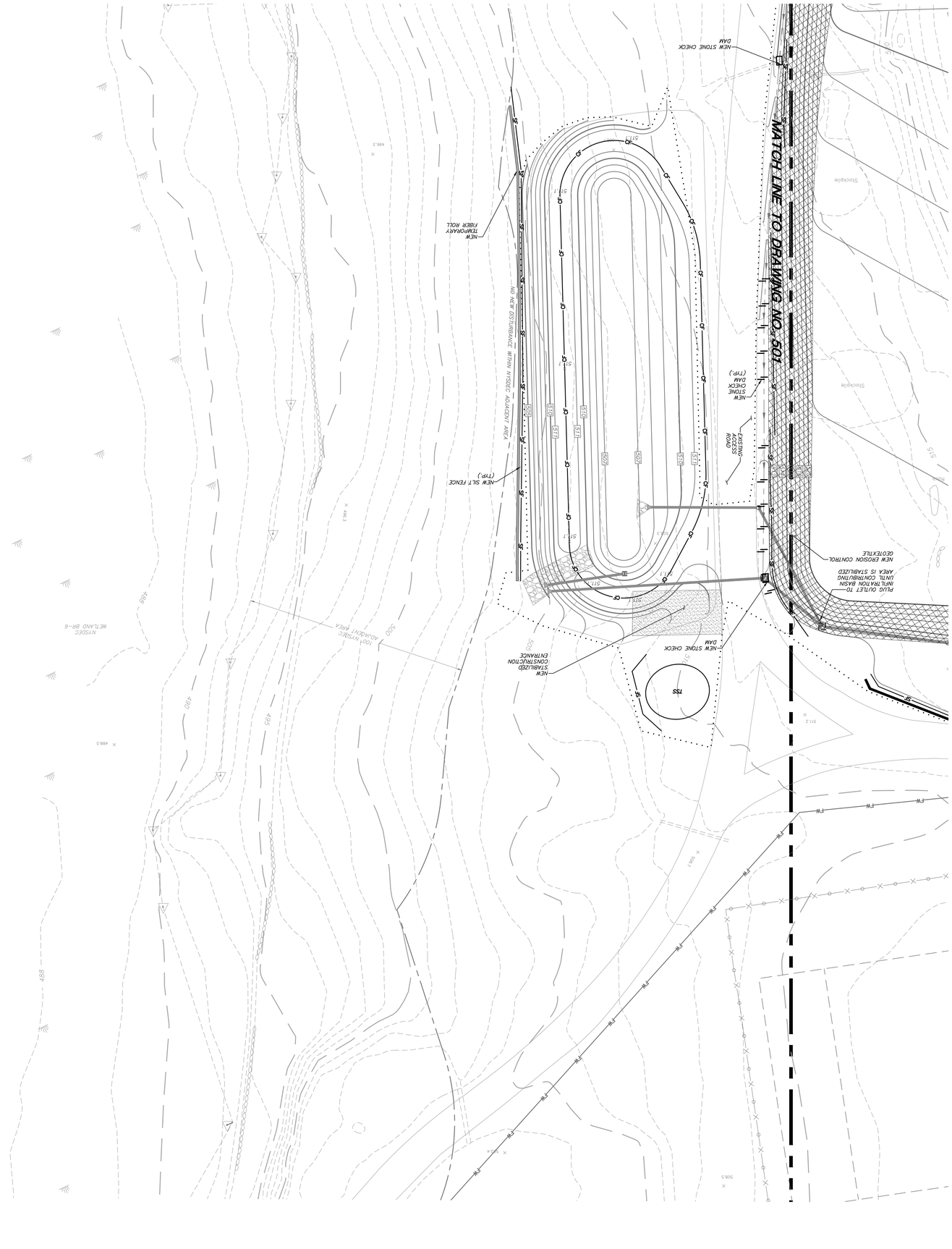
10
20
40





SHEET SIZE	30"x42"
SCALE	1"=20'
DRAWING NO.	CVS C502
DRAWN BY	TSM
FILE NO.	23505.02

DATE	ISSUED TO
12-9-2024	BID SUBMISSION
10-31-2024	NYCDEP SUBMISSION
3-5-2024	SED SUBMISSION
2-14-2024	NYCDEP SUBMISSION
11-29-2023	D.D. SUBMISSION

PROJECT TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAPITAL IMPROVEMENT PROJECT
RENOVATIONS & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
PACKAGE 2
SEDIMENT & EROSION CONTROLS PLAN

S.E.D. CONTROL NUMBER
48-06-01-06-0-001-026

LICENSE EXP DATE: 07.31.2026
CERT NO. 243623
STATE OF NEW YORK
STEVEN M. WISTROM
NO. 17931
LICENSED PROFESSIONAL ENGINEER

ENGINEERING AND SURVEYING BY:
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J. Garrett Price
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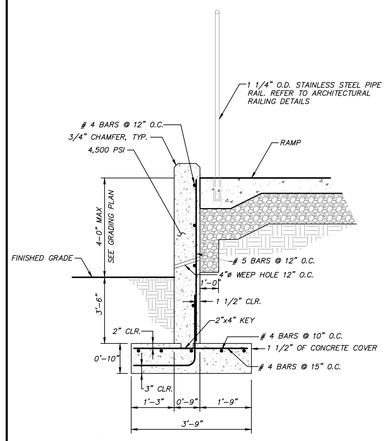
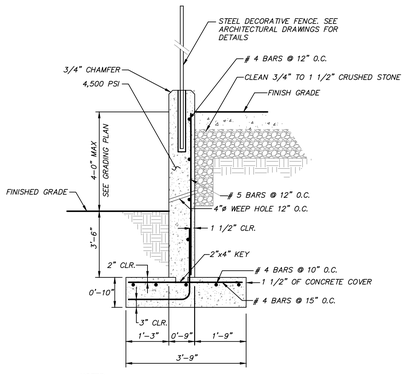


NOTES:
1) RETAINING WALLS OVER 4' IN HEIGHT SHALL BE DESIGNED BY A STRUCTURAL ENGINEER.
2) PROVIDE SMOOTH FORM LINER OR ALL EXPOSED SURFACES AND 12" BELOW GRADE.

CONCRETE RETAINING WALL AT RAMP DETAIL
(N.T.S.)



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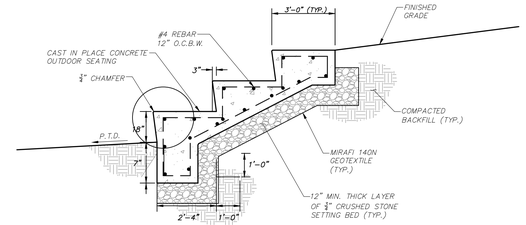
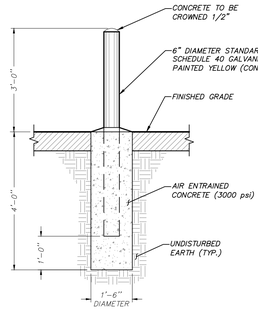
CONCRETE RETAINING WALL DETAIL
(N.T.S.)

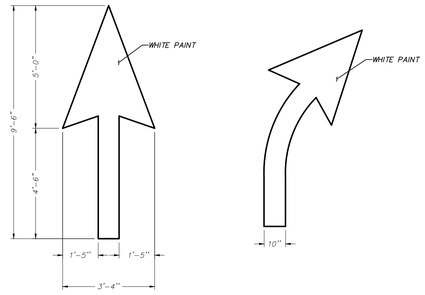


OUTDOOR SEATING DETAIL
(N.T.S.)



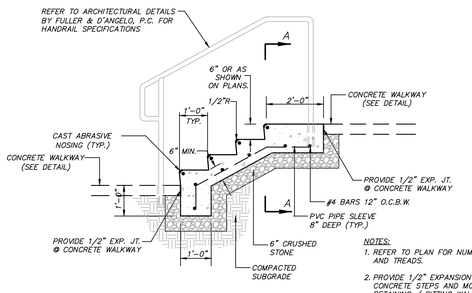
NOTE:
1. When protection posts are to be used for protection of handicap parking signs or other traffic signs, sign supporting post shall be embedded a minimum of three (3) feet into the concrete.

STEEL BOLLARD DETAIL
(N.T.S.)



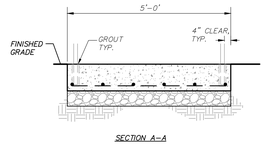
NOTE:
INSTALLATION TO CONFORM WITH CURRENT NYSDOT STANDARDS AND SPECIFICATIONS.

DIRECTIONAL ARROWS DETAIL
(N.T.S.)

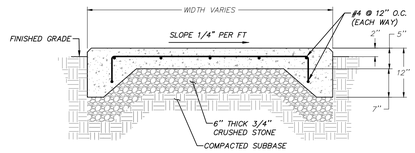


NOTES:
1. REFER TO PLAN FOR NUMBER OF RISERS AND TREADS.
2. PROVIDE 1/2" EXPANSION JOINT BETWEEN CONCRETE STEPS AND MODULAR BLOCK RETAINING / SITTING WALLS.

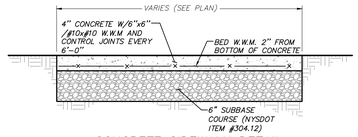
CONCRETE STEPS WITH RAILING DETAIL
(N.T.S.)



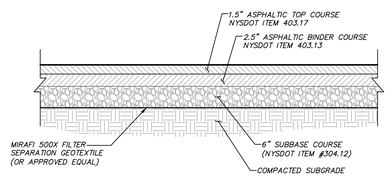
SECTION A–A



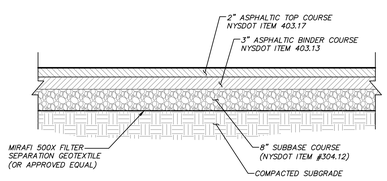
CONCRETE PAD DETAIL
(N.T.S.)



CONCRETE SIDEWALK DETAIL
(N.T.S.)

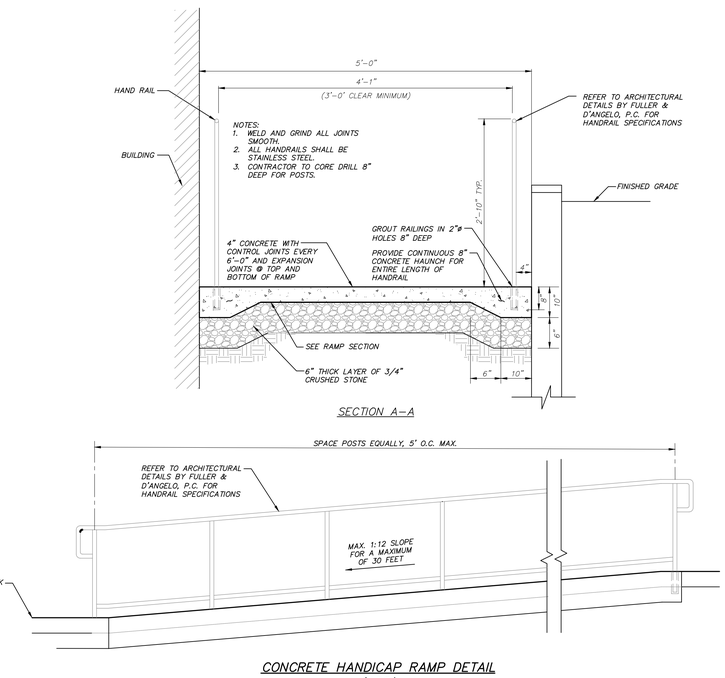


LIGHT DUTY ASPHALT PAVEMENT AND SIDEWALK DETAIL
(N.T.S.)



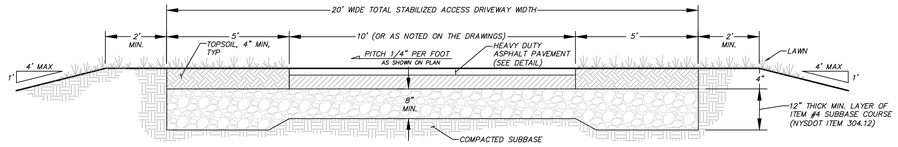
HEAVY DUTY ASPHALT DRIVEWAY DETAIL
(N.T.S.)

TOWN ROAD PAVEMENT REPLACEMENT DETAIL
(N.T.S.)

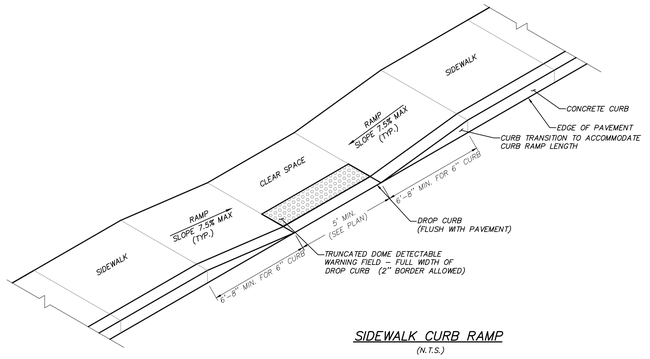


SECTION A–A

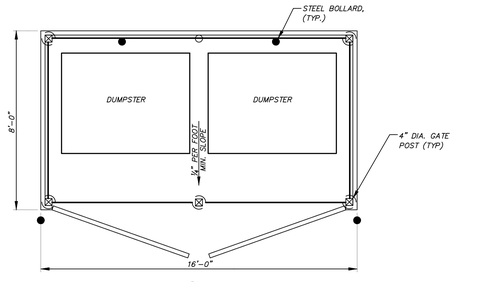
CONCRETE HANDICAP RAMP DETAIL
(N.T.S.)



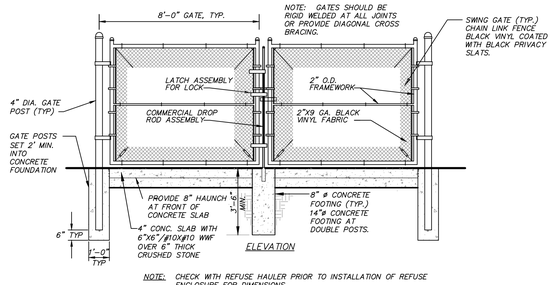
EMERGENCY ACCESS DRIVE DETAIL
(N.T.S.)



SIDEWALK CURB RAMP
(N.T.S.)



PLAN



ELEVATION

NOTE: CHECK WITH REFUSE HAULER PRIOR TO INSTALLATION OF REFUSE ENCLOSURE FOR DIMENSIONS.

DUMPSTER ENCLOSURE DETAIL
(N.T.S.)

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STATE OF NEW YORK
JOHN M. WATSON
No. 77980
LICENSED PROFESSIONAL ENGINEER

LICENSE EXP. DATE: 07-31-2026
CERT. NO: 2438573

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
NEW CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
RENOVATIONS AND ADDITION TO EXISTING
CENTRAL DURLING SCHOOL & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
PACKAGE 2
DETAILS

DATE	ISSUED TO
12-9-2024	BID SUBMISSION
10-31-2024	NYCDEP SUBMISSION
3-5-2024	SED SUBMISSION
2-14-2024	NYCDEP SUBMISSION
11-29-2023	D.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS C601
SCALE: AS SHOWN
DRAWN BY: TSM
FILE NO.: 23505.02

ENLARGED GRADING PLAN

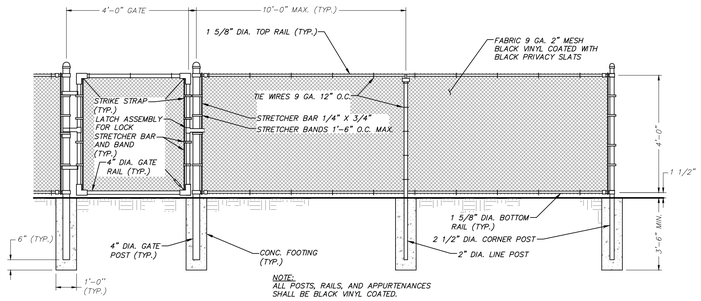
SCALE: 1" = 10'

GRAPHIC SCALE

0 5 10 20

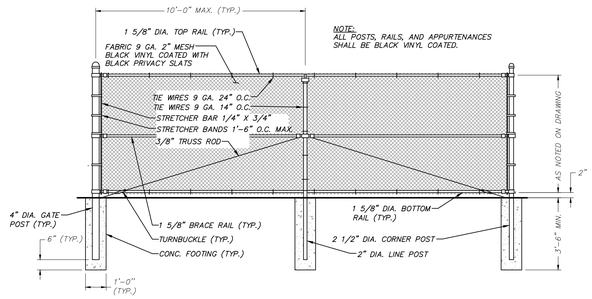
(IN FEET)

1 inch = 10 ft.



CHAIN LINK FENCE DETAIL

(N.T.S.)



CHAIN LINK FENCE TO MATCH EXISTING FENCE DETAIL

(N.T.S.)

GENERAL NOTES FOR ACCESSIBLE ROUTES:

1. *Accessible routes to and within a site shall be provided from accessible building entrances to accessible pedestrian walkways, accessible facilities, accessible site elements and spaces, accessible parking spaces, access aisles, passenger loading zones, and to the public way, including public transportation stops, public streets and sidewalks.*
2. *These sheets are in accordance with the Americans with Disabilities Act (ADA) and the NYS Building Code for Site Accessibility.*
3. *Dimensions shown in the details as minimums and maximums are the limits for design and field layout. Facilities shall not be constructed with values outside the limits for work acceptance. See table "Design Element Tolerances" on this sheet.*
4. *To check field layout and to verify work acceptance, all slopes and grades will be measured with a 4' long digital level using at least two readings. Where the readings vary, the measurements will be averaged. Grade (running slope) will be measured along the centerline and offset 1' to 1'-6" from the centerline. Cross slopes will be measured perpendicular to centerline at 5' to 10' intervals.*
5. *Grade (running slopes) are measured in the direction of pedestrian travel. Cross slopes are measured perpendicular to the direction of pedestrian travel.*
6. *Joints between sidewalks, curbs, turning spaces and roadways shall be flush and free from abrupt vertical changes greater than 1/4". Vertical surface discontinuities between 1/4" and 1/2" shall be beveled with a slope not steeper than 1V:2H. The bevel shall be applied across the entire joint.*
7. *Sidewalks are connected to roadways by either blended transitions or curb ramps. Blended transitions are connections between the sidewalk level and the roadway level that have a maximum grade (running slope) of 5.0% and transitions greater than 5.0% are considered curb ramps.*
8. *Curb ramps and blended transitions may require the installation of detectable warnings. See additional "Detectable Warning" notes on this sheet, and sidewalk and curb ramp details included in the site plan set.*
9. *Vertical alignment shall be generally planar. Grade breaks within the pedestrian access route shall be perpendicular to the direction of travel and shall not be rounded.*
10. *Sidewalk grade (running slope) shall not exceed 4.5% for design and layout, except when matching into existing sidewalk or when the highway grade is steeper. When adjacent road grade is greater than 5.0%, the sidewalk grade shall not exceed the adjacent road grade.*
11. *The cross slope of pedestrian access routes shall be 1.5% maximum for design and layout, and 2.0% maximum for work acceptance. The following exceptions are allowed:*
    a. *Where pedestrian street crossings are provided at intersections without yield or stop control, or where there is any traffic signal without a flashing red, the cross slope of a pedestrian access route contained within a street crossing shall be 4.5% maximum for design and layout, and 5.0% maximum for work acceptance.*
    b. *Where midblock pedestrian street crossings are provided, the cross slope of a pedestrian access route contained within a midblock street crossing shall be permitted to equal the street or highway grade.*
12. *Sidewalk Curb Ramps:*
    a. *Walking surfaces of sidewalk curb ramps shall be stable, firm and slip resistant.*
    b. *The minimum width of a curb ramp shall be 4'-0". Refer to site plans and sidewalk curb ramp details for curb ramp widths.*
    c. *The grade (running slope) of a curb ramp shall be a minimum of 5.0% The grade for design and layout shall be 7.5% maximum, and 8.3% maximum for ADA accessibility and work acceptance.*
    d. *The cross slope of the curb ramp shall be as flat as possible and still provide positive drainage. The cross slope of a curb ramp shall not exceed 1.5% for design and layout, and 2.0% maximum for work acceptance.*
    e. *Where provided, side flares for curb ramps where a pedestrian circulation path crosses the curb ramp shall be 9.5% maximum for design and layout, and 10.0% maximum for work acceptance. The slope of flared sides is measured parallel to the curb line.*
    f. *Curb ramps at marked crosswalks shall be wholly contained within the markings, excluding any flared sides.*
    g. *Where a change in direction is required to utilize a curb ramp, a turning space shall be provided at the base or the top of curb ramp as applicable. Turning spaces shall be permitted to overlap clear spaces.*
    h. *Where there are no vertical constraints at the back of sidewalk, (e.g., vertical curb, buildings, fences) the turning space dimensions shall be 4'-0" x 4'-0" minimum. Where the turning space is constrained at the back of sidewalk, the turning space shall be 4'-0" x 5'-0" minimum. The 5'-0" dimension shall be provided perpendicular to the constraint.*
    i. *Turning spaces shall not be designed with cross slope greater than 1.5% in any direction for design and layout, while providing positive drainage. The maximum cross slope for work acceptance is 2.0%.*
    j. *Beyond the bottom grade break, a clear space of 4'-0" x 4'-0" minimum shall be provided within the width of the pedestrian crosswalk, and outside the parallel vehicle travel lane. The clear space may overlap turning spaces, detectable warning surfaces, and drop curb.*
14. *Detectable Warning:*
    a. *Detectable warning surfaces shall be provided at curb ramps and blended transitions at pedestrian street crossings.*
    b. *Detectable warning surfaces shall be provided where the pedestrian access route crosses driveways with signal, yield or stop control. Detectable warning surfaces shall not be provided at crossings of uncontrolled driveway aprons.*
    c. *Some detectable warning products require a concrete border for proper installation. If required, the border shall not exceed 2". Where the back of curb edge is tooled to provide a radius, the border dimension shall be measured from the inside edge of the curb radius.*
    d. *The details provided are not drawn to scale. The quantity of domes depicted on the detectable warning unit is for illustration only. The size of the detectable warning field shall be 2'-0" minimum in the direction of travel and shall extend the full width of the curb ramp or flush surface, excluding any flared sides. The width of the detectable warning field includes a concrete border, if provided.*
    e. *On slopes of 5.0% or greater, the rows of domes shall be aligned to be perpendicular or radial to the lower grade break on the ramp run. Where domes are arrayed radially, they may differ in dome diameter and center-to-center spacing within the ranges specified on sheet 2 of the New York State Department of Transportation (NYSDOT) Standard Sheets 608-01. On slopes less than 5.0%, dome orientation is less critical and may differ from perpendicular or radial alignment to the grade break.*
    f. *The detectable warning field shall be the color specified in the contract documents. Detectable warning surfaces shall contrast visually with adjacent gutter, street, highway, or pedestrian access route surface, either light-on-dark or dark-on-light.*
    g. *Refer to sidewalk curb ramp details for additional information.*
15. *Walkways Along an Accessible Route:*
    a. *Walking surfaces shall be stable, firm and slip resistant.*
    b. *Vertical changes in level along walking surface shall not exceed 1/4". Changes in level greater than 1/4" in height and not more than 1/2" shall be beveled with a slope not steeper than 1V:2H.*
    c. *The running slope of the walking surfaces shall not be steeper than 4.5%*
    d. *The cross slope of a walking surface shall not be steeper than 1.5%*
    e. *The clear width of an accessible route shall be 3'-0" minimum.*
    f. *An accessible route with a clear width less than 5'-0" shall provide passing spaces at intervals of 200' maximum. Passing spaces shall be 5'-0" minimum by 5'-0" minimum.*
16. *Ramps along an accessible route:*
    a. *Ramp runs shall have a running slope greater than 5.0%*
    b. *Ramp runs shall have a running slope of 7.5% maximum for design and layout, and 8.3% maximum for work acceptance.*
    c. *The cross slope of ramp runs shall not exceed 1.5% for design and layout, and 2.0% maximum for work acceptance.*
    d. *Walking surfaces of ramp runs and associated landings shall be stable, firm and slip resistant.*
    e. *The clear width of a ramp run shall be 3'-0" minimum or as shown. Handrails and handrail supports provided on the ramp run shall not project into the required clear width of the ramp run or associated landing.*
    f. *The maximum rise for any ramp is 2'-6".*
    g. *The maximum run for any ramp is 30'-0".*
    h. *Ramps shall have landings at the bottom and top of each ramp run. Landings shall have a slope not to exceed 1.5% for design and layout, and 2.0% maximum for work acceptance, while providing positive drainage. Landings shall have a clear length and width of 5'-0" minimum.*
    i. *Adjacent finished grades along sides of ramp and landings shall not have a vertical drop-off greater than 1/2" within 10" of the edge of the concrete. If the adjacent finished grades do not meet this criterion, a 4" minimum high curb shall be provided (see plan for location).*
    j. *If drop-off to adjacent grade is 2'-6" or greater, "guards" will need to be provided to meet the requirements as specified in the NYS Building Code latest edition.*
    k. *Refer to concrete handicap ramp detail for additional information.*
17. *For access to and within refuse enclosures, refer to the Refuse Enclosure Detail.*

DESIGN ELEMENT TOLERANCES

ELEMENT	DESIGN AND FIELD LAYOUT LIMIT	LIMIT FOR WORK ACCEPTANCE
SIDEWALK/RAMP CROSS SLOPE – SEE NOTES 11, 13, & 16	1.5% MAX. *	2.0% MAX.
SIDEWALK GRADE (RUNNING SLOPE) – SEE NOTES 10 & 13	4.5% MAX.	5.0% MAX.
CURB RAMP GRADE (RUNNING SLOPE) – SEE NOTE 13	7.5% MAX.	8.3% MAX.
BLENDED TRANSITION GRADE (RUNNING SLOPE) – SEE NOTE 7	4.5% MAX.	5.0% MAX.
ACCESSIBLE PARKING SPACES & ACCESS AISLES (SURFACE SLOPES – ALL DIRECTIONS) – SEE NOTE 12	1.5% MAX. *	2.0% MAX.
RAMPS (RUNNING SLOPE) – SEE NOTE 16	7.5% MAX.	8.3% MAX.

* While providing positive drainage.

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STATE OF NEW YORK
JUDITH M. WATSON
LICENSED PROFESSIONAL ENGINEER
No. 77961

LICENSE EXP. DATE: 07-31-2026
CERT. NO. 2438573

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT/SITE:
CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
RENOVATIONS & ADDITIONS
257 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
PACKAGE 2
DETAILS

DATE	ISSUED TO
12-9-2024	BID SUBMISSION
10-31-2024	NYCDEP SUBMISSION
3-5-2024	SED SUBMISSION
2-14-2024	NYCDEP SUBMISSION
11-29-2023	D.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS C602
SCALE: AS SHOWN
DRAWN BY: TSM
FILE NO.: 23505.02

PLOT DATE: December 02, 2024 – 5:29pm
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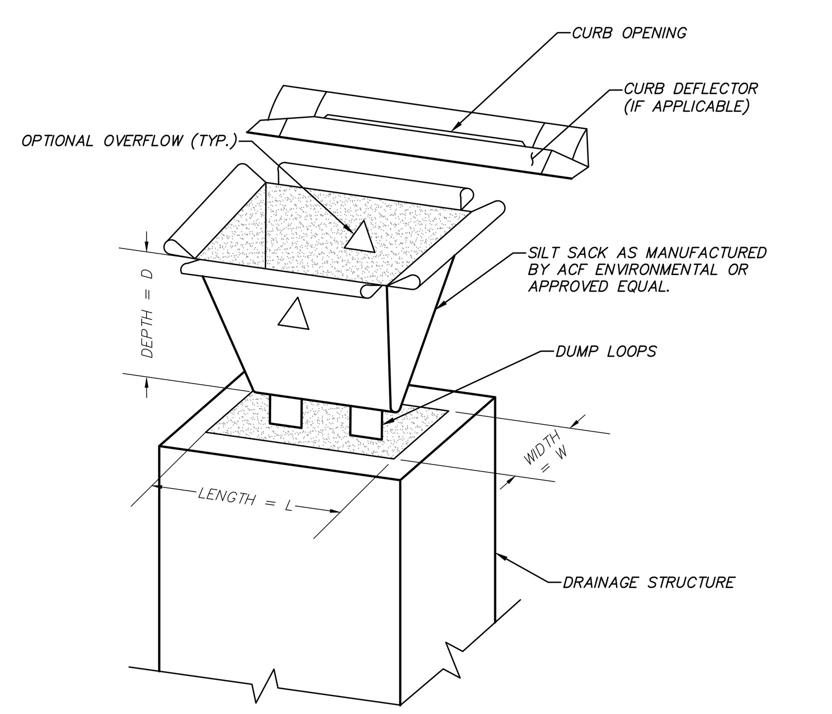
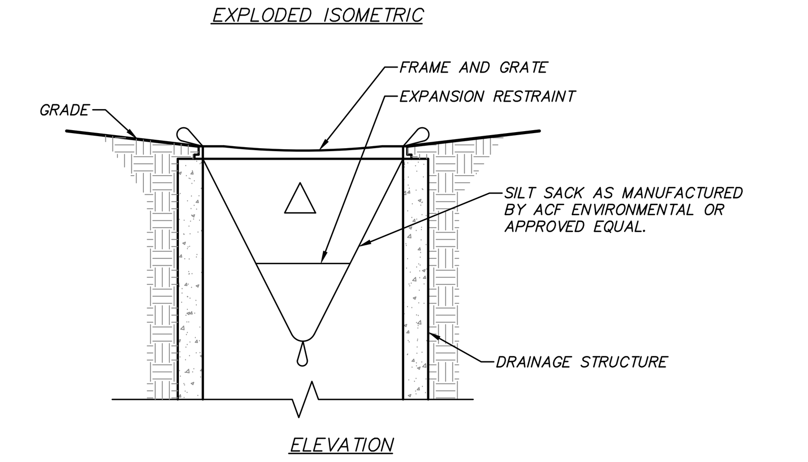
FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 2\BHS C600.dwg

EROSION & SEDIMENT CONTROL NOTES:

1. The owner's field representative (O.F.R.) will be responsible for the implementation and maintenance of erosion and sediment control measures on this site prior to and during construction.
2. All construction activities involving the removal or disposition of soil are to be provided with appropriate protective measures to minimize erosion and contain sediment disposition within. Minimum soil erosion and sediment control measures shall be implemented as shown on the plans and shall be installed in accordance with "New York Standards and Specifications For Erosion and Sediment Control," latest edition.
3. Wherever feasible, natural vegetation should be retained and protected. Disturbance shall be minimized in the areas required to perform construction. No more than 5 acres of unprotected soil shall be exposed at any one time.
4. When land is exposed during development, the exposure shall be kept to the shortest practical period of time. In the areas where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the current soil disturbance activity ceased. Disturbance shall be minimized to the areas required to perform construction.
5. Silt fence shall be installed as shown on the plans prior to beginning any clearing, grubbing or earthwork.
6. All topsoil to be stripped from the area being developed shall be stockpiled and immediately seeded for temporary stabilization. Ryegrass (annual or perennial) at a rate of 30 lbs. per acre shall be used for temporary seeding in spring, summer or early fall. 'Aristook' Winter Rye (cereal rye) shall be used for temporary seeding in late fall and winter.
7. Any disturbed areas not subject to further disturbance or construction traffic, permanent or temporary, shall have soil stabilization measures initiated for permanent vegetation cover in combination with a suitable mulch within 1 business day of final grading. All seeded areas to receive a minimum 4" topsoil (from stockpile area) and be seeded and mulched as follows:
   - Seed mixture to be planted between March 21 and May 20, or between August 15 and October 15 or as directed by project representative at a rate of 100 pounds per acre in the following proportions:
     - Kentucky Bluegrass 20%
     - Creeping Red Fescue 40%
     - Perennial Ryegrass 20%
     - Annual Ryegrass 20%
   - Mulch: Salt hay or small grain straw applied at a rate of 90 lbs./1000 S.F. or 2 tons/acre, to be applied and anchored according to "New York Standards and Specification For Erosion and Sediment Control," latest edition.
8. Grass seed mix may be applied by either mechanical or hydroseeding methods.Seeding shall be performed in accordance with the current edition of the "NYSDOT Standard Specification, Construction and Materials, Section 610–3.02, Method No. 1". Hydroseeding shall be performed using materials and methods as approved by the site engineer.
9. Cut or fill slopes steeper than 3:1 shall be stabilized immediately after grading with Curlex I Single Net Erosion Control Blanket, or approved equal.
10. Paved roadways shall be kept clean at all times.
11. The site shall at all times be graded and maintained such that all stormwater runoff is diverted to soil erosion and sediment control facilities.
12. All storm drainage outlets shall be stabilized, as required, before the discharge points become operational.
13. Stormwater from disturbed areas must be passed through erosion control barriers before discharge beyond disturbed areas or discharged into other drainage systems.
14. Erosion and sediment control measures shall be inspected and maintained on a daily basis by the O.F.R. to insure that channels, temporary and permanent ditches and pipes are clear of debris, that embankments and berms have not been breached and that all straw bales and silt fences are intact. Any failure of erosion and sediment control measures shall be immediately repaired by the contractor and inspected for approval by the O.F.R. and/or site engineer.
15. Dust shall be controlled by sprinkling or other approved methods as necessary, or as directed by the O.F.R.
16. Cut and fills shall not endanger adjoining property, nor divert water onto the property of others.
17. All fills shall be placed and compacted in 6" lifts to provide stability of material and to prevent settlement.
18. The O.F.R. shall inspect downstream conditions for evidence of sedimentation on a weekly basis and after rainstorms.
19. As warranted by field conditions, special additional erosion and sediment control measures, as specified by the site engineer and/or the NYCDEP shall be installed by the contractor.
20. Erosion and sediment control measures shall remain in place until all disturbed areas are suitably stabilized.



EXPLODED ISOMETRIC

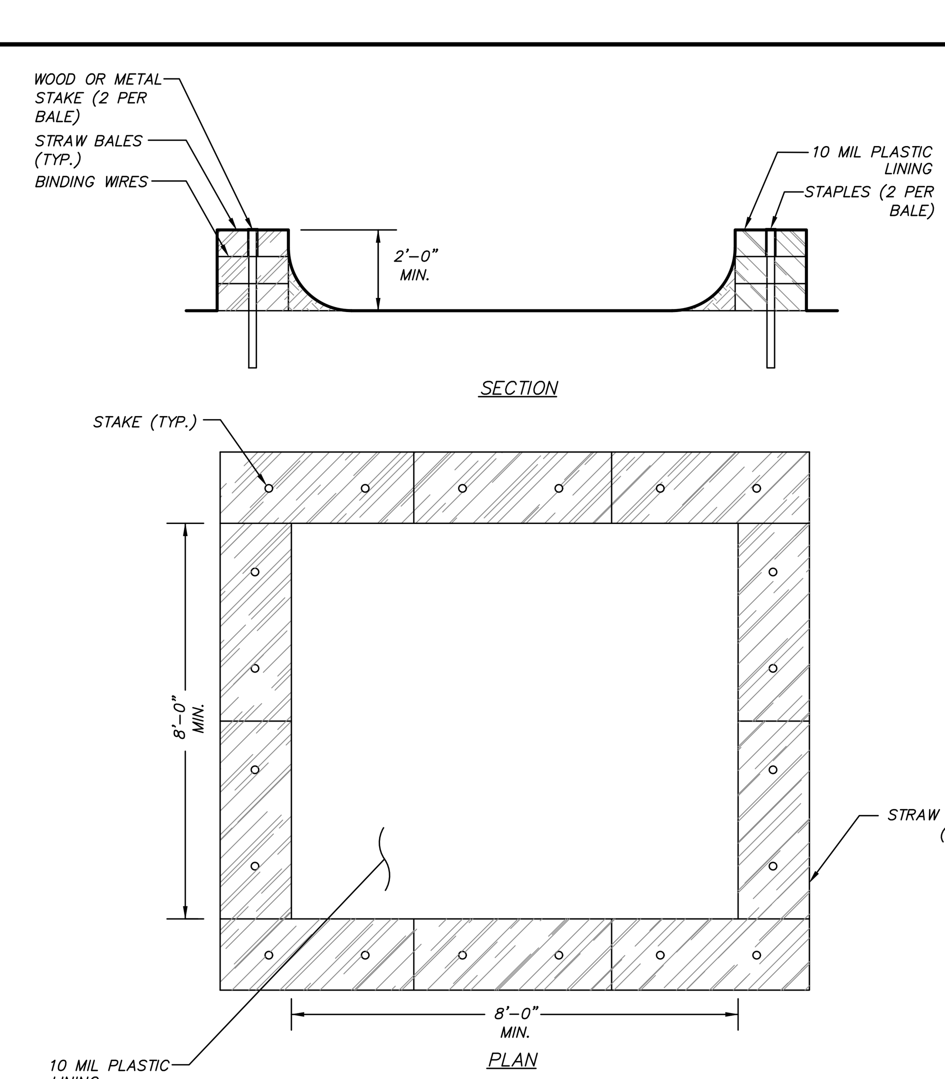


ELEVATION

NOTE:
FABRIC FOR INSERT SHALL MEET THE FOLLOWING:

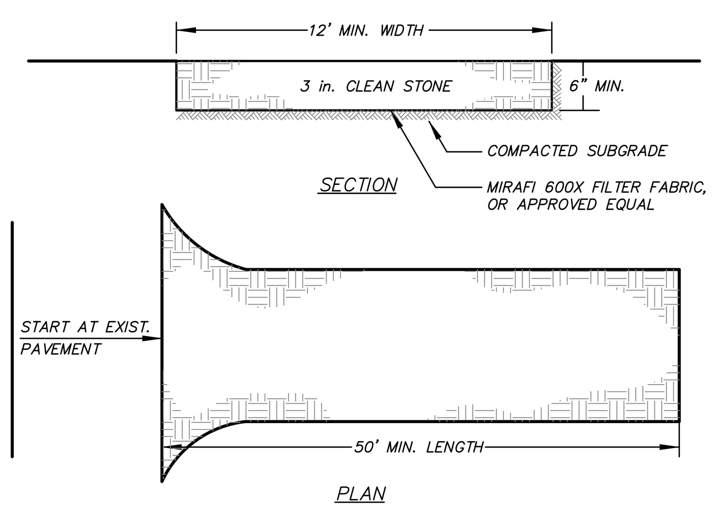
FABRIC PROPERTIES	MINIMUM ACCEPTABLE VALUE	TEST METHOD
Grab Tensile Strength (lbs)	110	ASTM D 4632
Mullen Burst Strength (PSI)	300	ASTM D 3786
Puncture Strength (lbs)	60	ASTM D 4833
Minimum Trapezoidal Tear Strength (lbs)	50	ASTM D 4533
Flow Through Rate (gal/min/sf)	25	ASTM D 4491
Equivalent Opening Size	40–80	US Std Sieve ASTM D 4751

MANUFACTURED INSERT INLET PROTECTION DETAIL
(N.T.S.)



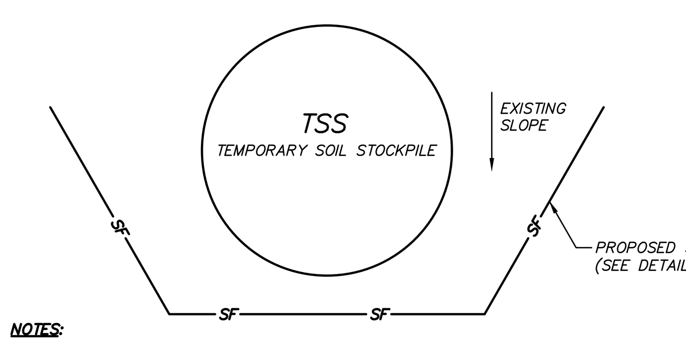
CONCRETE WASHOUT AREA DETAIL
(N.T.S.)

NOTES
1. TEMPORARY CONCRETE WASHOUT TYPE ABOVE GRADE WILL BE CONSTRUCTED AS SHOWN ABOVE, WITH RECOMMENDED MINIMUM LENGTH AND MINIMUM WIDTH OF 8 FT.
2. THE WASHOUT WILL BE MINIMUM OF 100 FT FROM DRAINAGE SWALES, STORM DRAIN INLETS, WETLANDS, STREAMS AND OTHER SURFACE WATERS.
3. PLASTIC LINING WILL BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.
4. IF THE CONCRETE WASHOUT AREA IS NOT SHOWN ON THE SITE PLANS, THE CONTRACTOR SHALL CHOOSE THE LOCATION OF THE WASHOUT AREA.
5. ALL CONCRETE WASHOUT FACILITIES SHALL BE INSPECTED DAILY. DAMAGED OR LEAKING FACILITIES SHALL BE DEACTIVATED AND REPAIRED OR REPLACED IMMEDIATELY. EXCESS RAINWATER THAT HAS ACCUMULATED OVER HARDENED CONCRETE SHOULD BE PUMPED TO A STABILIZED AREA, SUCH AS A GRASS FILTER STRIP.
6. ACCUMULATED HARDENED MATERIAL SHALL BE REMOVED WHEN THE STRUCTURE REACHES 75% OF CAPACITY. WASH WATER SHALL BE PUMPED INTO A CONTAINMENT VESSEL AND PROPERLY DISPOSED OF OFF SITE.
7. DISPOSE OF HARDENED MATERIAL OFF–SITE IN A CONSTRUCTION/ DEMOLITION LANDFILL.
8. THE PLASTIC LINER SHALL BE REPLACED AFTER EACH CLEANING.
9. INSPECT PROJECT SITE FREQUENTLY TO ENSURE THAT NO CONCRETE DISCHARGES ARE TAKING PLACE IN NON–DESIGNATED AREAS.



INSTALLATION NOTES
1. STONE SIZE – USE 3" STONE
2. LENGTH – AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.)
3. THICKNESS – NOT LESS THAN SIX (6) INCHES.
4. WIDTH – 12 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCUR.
5. FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
6. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING – WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE DETAIL
(N.T.S.)



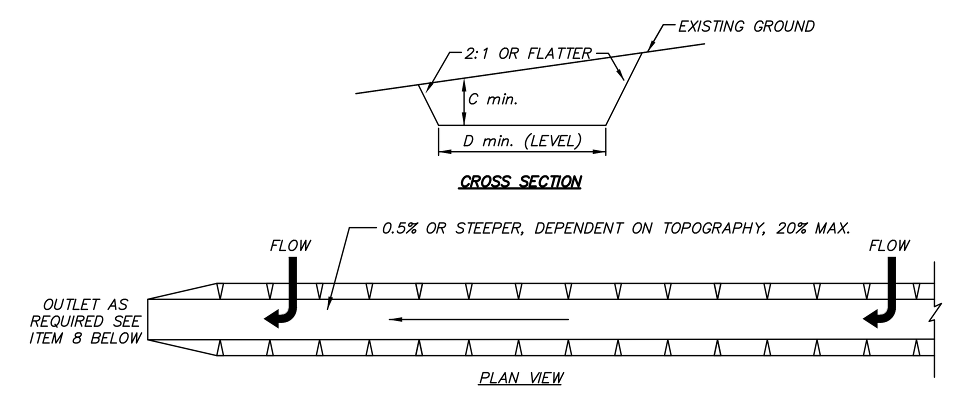
NOTES:
1. AREA CHOSEN FOR STOCKPILE LOCATION SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2:1.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE IMMEDIATELY SEEDED WITH K31 PERENNIAL TALL FESCUE.
4. ALL STOCKPILES SHALL BE PROTECTED WITH SILT FENCING INSTALLED ON THE DOWNGRADIENT SIDE.

TEMPORARY SOIL STOCKPILE DETAIL
(N.T.S.)

REQUIRED POST–CONSTRUCTION STORMWATER MANAGEMENT PRACTICE COMPONENTS:

1. Pursuant to the NYSDEC "SPDES General Permit for Stormwater Discharges from Construction Activity" (GP–0–20–001), all construction projects needing post–construction stormwater management practices shall prepare a SWPPP that also includes practices designed in conformance with the most current version of the technical standard, New York State Stormwater Management Design Manual ("Design Manual"). Where post–construction stormwater management practices are not designed in conformance with this technical standard, the owner or operator must demonstrate equivalence to the technical standard. The following list of SWPPP components is provided in accordance with Part III.B.2a–f and III.B.3:
   a. Identification of all post–construction stormwater management practices to be constructed as part of the project; This plan, and details/notes shown hereon serve to satisfy this SWPPP requirement.
   b. A site map/construction drawing(s) showing the specific location and size of each post–construction stormwater management practice; This plan, and details/notes shown hereon serve to satisfy this SWPPP requirement.
   c. A Stormwater Modeling and Analysis Report including pre–development conditions, post–development conditions, the results of the stormwater modeling, a summary table demonstrating that each practice has been designed in conformance with the sizing criteria, identification of and justification for any deviations from the Design Manual, and identification of any design criteria that are not required. The required analysis is provided in the report titled Stormwater Pollution Prevention Plan for Brewster Central School District C.V. Starr Intermediate School Cafetorium Addition, Interior Renovations & Related Work.
   d. Soil testing results and locations. This SWPPP requirement is provided in the report titled Stormwater Pollution Prevention Plan for Brewster Central School District C.V. Starr Intermediate School Cafetorium Addition, Interior Renovations & Related Work.
   e. Infiltration testing results. This SWPPP requirement is provided in the report titled Stormwater Pollution Prevention Plan for Brewster Central School District C.V. Starr Intermediate School Cafetorium Addition, Interior Renovations & Related Work.
   f. An operations and maintenance plan that includes inspection and maintenance schedules and actions to ensure continuous and effective operation of each post–construction stormwater management practice. The plan shall identify the entity that will be responsible for the long term operation and maintenance of each practice. The Permanent Stormwater Facilities Maintenance Schedule provided on these plans serves to satisfy this requirement.
2. Enhanced Phosphorus Removal Standards – Beginning on September 30, 2008, all construction projects identified in Table 2 of Appendix B that are located in the watersheds identified in Appendix C shall prepare a SWPPP that includes post–construction stormwater management practices designed in conformance with the Enhanced Phosphorus Removal Standards included in the most current version of the technical standard, New York Stormwater Management Design Manual. At a minimum, the post–construction stormwater management practice component of the SWPPP shall include items 2.a – 2.f above. The permanent stormwater practices for this project have been sized according to chapter 10 of the Design Manual Enhanced Phosphorus Removal Standards. Please see 2.a – 2.f above.

	DITCH A (< 5 AC.)	DITCH B (5–10 AC.)
C	1'	1'
D	4'	6'

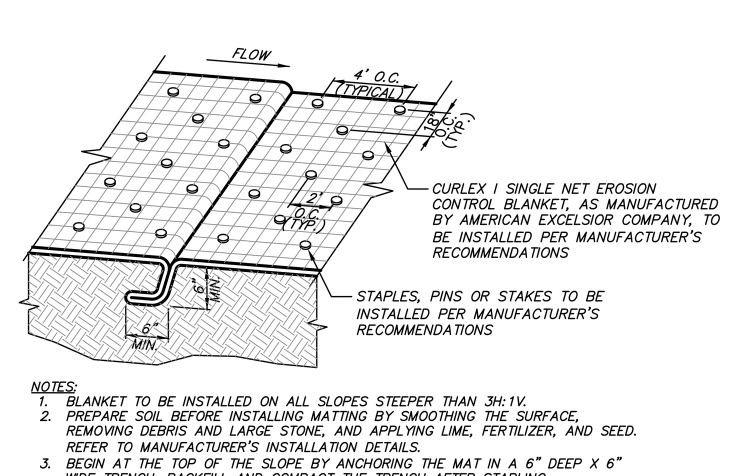


CONSTRUCTION SPECIFICATIONS
1. ALL CONSTRUCTION DITCHES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
2. DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
3. DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET DIRECTLY INTO AN UNDISTURBED STABILIZED AREA AT NON–EROSIVE VELOCITY.
4. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE SWALE.
5. THE DITCH SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
6. FILLS SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT.
7. ALL EARTH REMOVED AND NOT NEEDED FOR CONSTRUCTION SHALL BE PLACED SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE DITCH.
8. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.
9. STABILIZATION SHALL BE AS PER THE CHART BELOW:

FLOW CHANNEL STABILIZATION

TYPE OF TREATMENT	CHANNEL GRADE	A (5 AC. OR LESS)	B (5–10 AC.)
1	0.5–3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1–5.0%	SEED AND STRAW MULCH	SEED USING JUTE OR EXCELSIOR
3	5.1–8.0%	SEED WITH JUTE OR EXCELSIOR; SOD	LINED RIP–RAP 4–8" RECYCLED CONCRETE EQUIVALENT
4	8.1–20%	LINED 4–8" RIP–RAP	ENGINEERED DESIGN

CONSTRUCTION DITCH DETAIL
(N.T.S.)



NOTES:
1. BLANKET TO BE INSTALLED ON ALL SLOPES STEEPER THAN 3H:1V.
2. PREPARE SOIL BEFORE INSTALLING MATTING BY SMOOTHING THE SURFACE, REMOVING DEBRIS AND LARGE STONE, AND APPLYING LIME, FERTILIZER, AND SEED. REFER TO MANUFACTURER'S INSTALLATION DETAILS.
3. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE MAT IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
4. IN CHANNELS OR SWALES, BEGIN AT THE DOWNSLOPE END, ANCHORING THE MAT AT THE BOTTOM AND TOP ENDS OF THE BLANKET. WHEN ANOTHER ROLL IS NEEDED, THE UPSLOPE ROLL SHOULD OVERLAY THE LOWER LAYER, SHINGLE STYLE, SO THAT CHANNEL FLOWS DO NOT PEEL BACK THE MATERIAL.
5. ROLL THE MATS DOWN A SLOPE WITH A MIN. 4" OVERLAP. ROLL CENTER MAT IN A CHANNEL IN DIRECTION OF WATER FLOW ON BOTTOM OF THE CHANNEL. DO NOT STRETCH THE BLANKETS. BLANKETS SHALL HAVE GOOD CONTINUOUS CONTACT WITH THE UNDERLYING SOIL THROUGHOUT ITS ENTIRE LENGTH.
6. PLACE MATS END OVER END (SHINGLE STYLE) WITH A 6" OVERLAP, USE A DOUBLE ROW OF STAGGERED STAPLES 4" APART TO SECURE MATS.
7. FULL LENGTH EDGE OF MATS AT TOP OF SIDE SLOPES MUST BE ANCHORED IN 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
8. MATS ON SIDE SLOPES OF A CHANNEL MUST BE OVERLAPPED 4" OVER THE CENTER MAT AND STAPLED.
9. IN HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT INTERVALS. USE A ROW OF STAPLES 4" APART OVER ENTIRE WIDTH OF CHANNEL. PLACE A SECOND ROW 4" BELOW THE FIRST ROW IN A STAGGERED PATTERN.
10. THE TERMINAL END OF THE MATS MUST BE ANCHORED IN A 6" X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
11. STAPLING AND ANCHORING OF BLANKET SHALL BE DONE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

ANCHORED STABILIZATION MATTING DETAIL
(N.T.S)

EROSION AND SEDIMENT CONTROL MAINTENANCE SCHEDULE

MONITORING REQUIREMENTS				MAINTENANCE REQUIREMENTS	
PRACTICE	DAILY	WEEKLY	AFTER RAINFALL	DURING CONSTRUCTION	AFTER CONSTRUCTION
SILT FENCE BARRIER	–	Inspect	Inspect	Clean/Replace	Remove
STABILIZED CONSTRUCTION ENTRANCE	Inspect	–	Inspect	Clean/Replace Stone and Fabric	Remove
DUST CONTROL	Inspect	–	Inspect	Mulching/ Spraying Water	N/A
*VEGETATIVE ESTABLISHMENT	–	Inspect	Inspect	Water/Reseed/ Remulch	Reseed to 80% Coverage
INLET PROTECTION	–	Inspect	Inspect	Clean/Repair/ Replace	Remove
SOIL STOCKPILES	–	Inspect	Inspect	Mulching/ Silt Fence Repair	Remove
SWALES	–	Inspect	Inspect	Clean/Mulch/ Repair	Mow Permanent Grass/Replace/ Repair Rip Rap
CHECK DAMS	–	Inspect	Inspect	Clean/Replace Stones/Repair	Clean/Replace Stones/Repair
CONCRETE DRAINAGE STRUCTURES	–	Inspect	Inspect	Clean Sumps/ Remove Debris/ Repair/Replace	Clean Sumps/ Remove Debris/ Repair/Replace
DRAINAGE PIPES	–	Inspect	Inspect	Clean/Repair	Clean/Repair
ROAD & PAVEMENT	–	Inspect	Inspect	Clean	Clean
*STORMWATER TRAP/BASIN	–	Inspect	Inspect	Clean/Mulch/ Repair/Reseed	See Permanent Stormwater Facilities Maintenance Schedule on Drawing CVS C604
WATERBAR	–	Inspect	Inspect	Clean/Mulch/Repair	Remove
FIBER ROLL	–	Inspect	Inspect	Clean/Repair/Replace	Remove
ANCHORED STABILIZATION MATTING	–	Inspect	Inspect	Repair/Replace	N/A
CONCRETE WASHOUT AREA	Inspect	–	Inspect	Clean/Repair	Remove

* Permanent vegetation is considered stabilized when 80% of the plant density is established. Erosion control measures shall remain in place until all disturbed areas are permanently stabilized.

Note: The party responsible for implementation of the maintenance schedule during and after construction is:

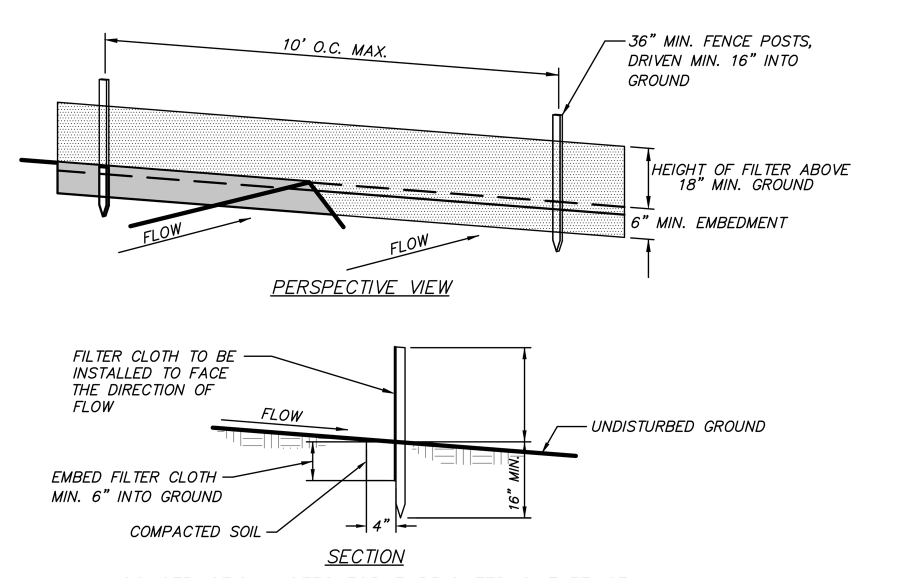
BREWSTER CENTRAL SCHOOL DISTRICT
50 FOGGINTOWN ROAD
BREWSTER, NY 10509

and/or the current owner(s) of the subject property.

REQUIRED EROSION CONTROL SWPPP CONTENTS:

Pursuant to the NYSDEC "SPDES General Permit for Stormwater Discharges from Construction Activity" (GP–0–20–001), all Stormwater Pollution Prevention Plan's (SWPPP) shall include erosion and sediment control practices designed in conformance with the most current version of the technical standard, "New York Standards and Specifications for Erosion and Sediment Control." Where erosion and sediment control practices are not designed in conformance with this technical standard, the owner or operator must demonstrate equivalence to the technical standard. The following list of required SWPPP components is provided in accordance with Part III.B.1a–l of General Permit GP–0–20–001:

a. Background Information: The subject project consists of the construction of a building addition for a cafeteria.
b. Site map / construction drawing: These plans serve to satisfy this SWPPP requirement.
c. Description of the soils present at the site: Onsite soils located within the proposed limits of disturbance consist of Paxton fine sandy loam (PnC), extremely stony Sun loam (Sm) and smoothed Udorthents (Ub), as identified on the Soil Conservation Service Web Soil Survey. These soil types belong to the Hydrologic Soil Group "B", "C", and "D."
d. Construction phasing plan / sequence of operations: The Construction Sequence and phasing found on these plans provide the required phasing. A Construction Sequence and Erosion and Sediment Control Maintenance Schedule has been provided. The Erosion and Sediment Control Notes contained hereon outline a general sequence of operations for the proposed project. In general all erosion and sediment control facilities shall be installed prior to commencement with land disturbing activities, and areas of disturbance shall be limited to the shortest period of time as practicable.
e. Description of erosion and sediment control practices: This plan, and details / notes shown hereon serve to satisfy this SWPPP requirement.
f. Temporary and permanent soil stabilization plan: The Sedimentation and Erosion Control Notes and Details provided heron identify temporary and permanent stabilization measures to be employed with respect to specific elements of the project, and at the various stages of development.
g. Site map / construction drawing: This plan serves to satisfy this SWPPP requirement.
h. The dimensions, material specifications, installation details, and operation and maintenance requirements for all erosion and sediment control practices: The details, Erosion and Sediment Control Notes, and Erosion and Sediment Control Maintenance Schedule serve to satisfy this SWPPP requirement.
i. An inspection schedule: Inspections are to be performed twice weekly and by a qualified professional as required by the General Permit GP–0–20–001. In addition the NYSDEC Trained Contractor shall perform additional inspections as cited in the Sedimentation and Erosion Control Notes.
j. A description of pollution prevention measures that will be used to control litter, construction chemicals and construction debris: In general, all construction litter / debris shall be collected and removed from the site. The general contractor shall supply either waste barrels or dumpster for proper waste disposal. Any construction chemicals utilized during construction shall either be removed from site daily by the contractor or stored in a structurally sound and weatherproof building. No hazardous waste shall be disposed of onsite, and shall ultimately be disposed of in accordance with all federal, state and local regulations. Material Safety Data Sheets (MSDS), material inventory, and emergency contact numbers shall be maintained by the general contractor for all construction chemicals utilized onsite. Finally, temporary sanitary facilities (portable toilets) shall be provided onsite during the entire length of construction, and inspected weekly for evidence of leaking holding tanks.
k. A description and location of any stormwater discharges associated with industrial activity other than construction at the site: There are no known industrial stormwater discharges present or proposed at the site.
l. Identification of any elements of the design that are not in conformance with the technical standard, "New York Standards and Specifications for Erosion and Sediment Control." All proposed elements of this SWPPP have been designed in accordance with the "New York Standards and Specifications for Erosion and Sediment Control."



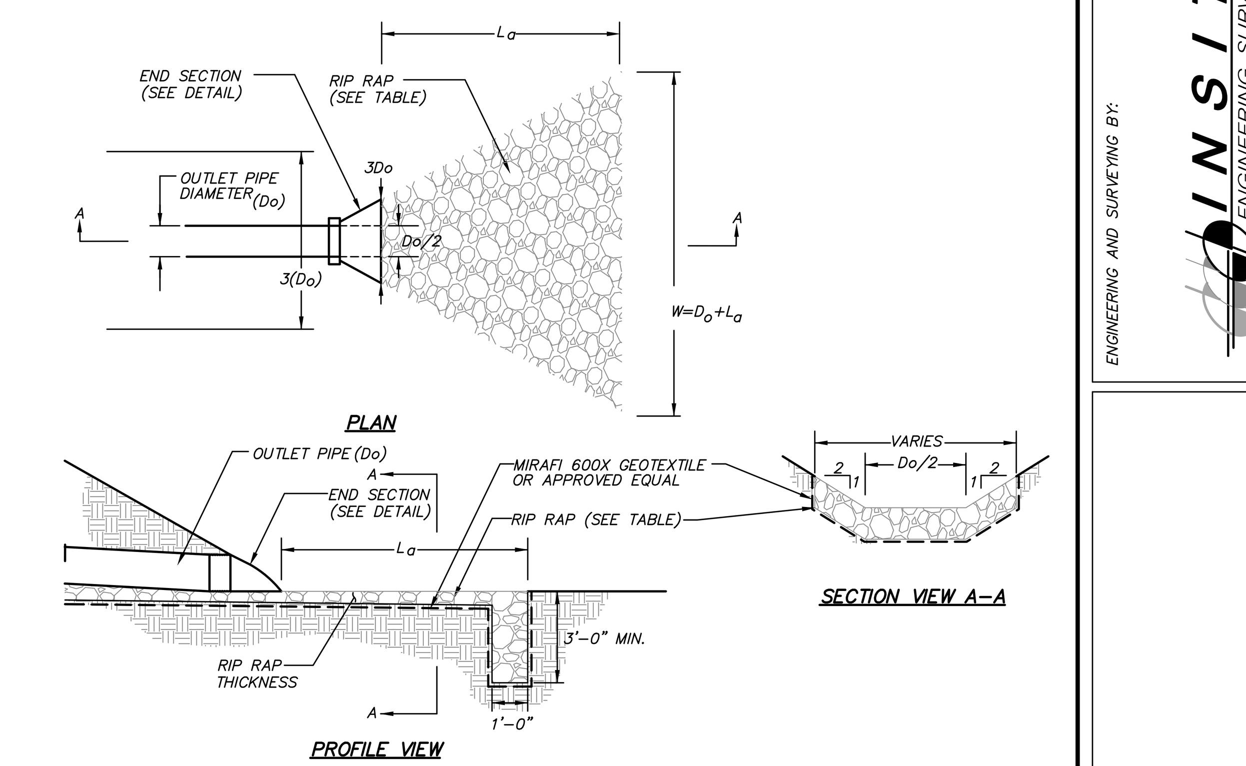
CONSTRUCTION NOTES FOR FABRICATED SILT FENCE
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER–LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

STANDARD SILT FENCE DETAIL
(N.T.S.)

SOIL RESTORATION REQUIREMENTS
The contractor shall be required to perform the following soil restoration techniques prior to installing topsoil, seed and mulch.

Type of Soil Disturbance	Soil Restoration Requirement		Comments/Examples
No soil disturbance	Restoration not permitted		Preservation of Natural Features
Minimal soil disturbance	Restoration not required		Clearing and grubbing
Areas where topsoil is stripped only – no change in grade	HSG A&B: Apply 6 inches of topsoil	HSG C&D: Aerate* and apply 6 inches of topsoil	Protect area from any ongoing construction activities.
Areas of cut or fill	HSG A&B: Aerate* and apply 6 inches of topsoil	HSG C&D: Apply full Soil Restoration**	
Heavy traffic areas on site (especially in a zone 5–25 feet around buildings but not within a 5 foot perimeter around foundation walls)	Apply full Soil Restoration (decompaction and compost enhancement)		
Areas where Runoff Reduction and/or Infiltration practices are applied	Restoration not required, but may be applied to enhance the reduction specified for appropriate practices.		Keep construction equipment from crossing these areas. To protect newly installed practice from any ongoing construction activities construct a single phase operation fence area
Redevelopment projects	Soil Restoration is required on redevelopment projects in areas where existing impervious area will be converted to pervious area.		

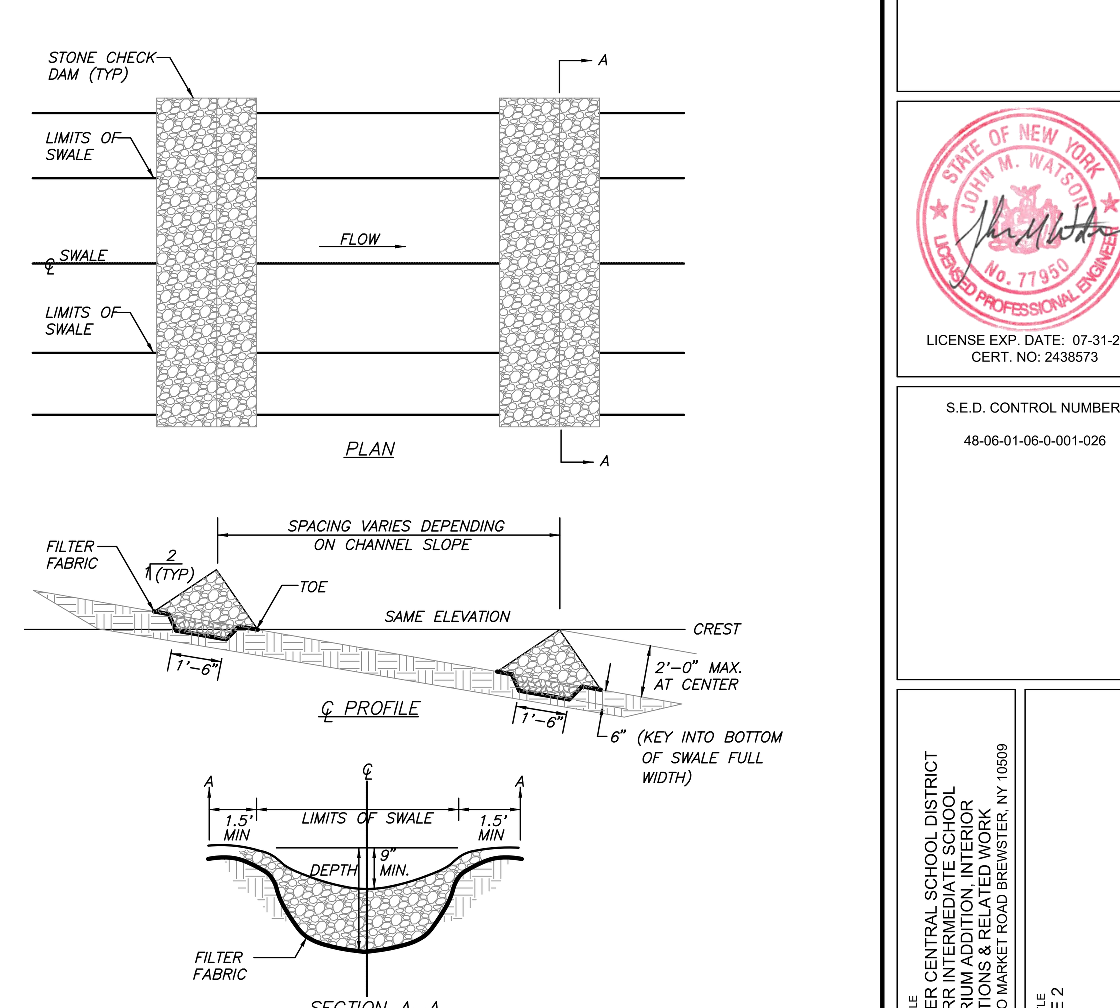
* Aeration includes the use of machines such as tractor–drawn implements with coulters making a narrow slit in the soil, a roller with many spikes making indentations in the soil, or prongs which function like a mini–subsoiler.
** Per "Deep Ripping and De–compaction, DEC 2008".



ROCK OUTLET PROTECTION DETAIL
(N.T.S.)

NOTES:
1. THE SUBGRADE FOR THE FILTER, RIPRAP, OR GABION SHALL BE PREPARED TO THE REQUIRED LINES AND GRADES. ANY FILL REQUIRED IN THE SUBGRADE SHALL BE COMPACTED TO A DENSITY OF APPROXIMATELY THAT OF THE SURROUNDING UNDISTURBED MATERIAL.
2. THE ROCK OR GRAVEL SHALL CONFORM TO THE SPECIFIED GRADING LIMITS WHEN INSTALLED RESPECTIVELY IN THE RIPRAP OR FILTER.
3. FILTER CLOTH SHALL BE PROTECTED FROM PUNCHING, CUTTING, OR TEARING. ANY DAMAGE OTHER THAN AN OCCASIONAL SMALL HOLE SHALL BE REPAIRED BY PLACING ANOTHER PIECE OF CLOTH OVER THE DAMAGED PART OR BY COMPLETELY REPLACING THE CLOTH. ALL OVERLAPS, WHETHER FOR REPAIRS OR FOR JOINING TWO PIECES OF CLOTH SHALL BE A MINIMUM OF ONE FOOT.
4. ROCK FOR THE RIPRAP OR GABION OUTLETS MAY BE REPLACED BY EQUIPMENT. BOTH SHALL EACH BE CONSTRUCTED TO THE FULL COURSE THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO AVOID DISPLACEMENT OF UNDERLYING MATERIALS. THE ROCK FOR RIPRAP OR GABION OUTLETS SHALL BE DELIVERED AND PLACED IN A MANNER THAT WILL ENSURE THAT IT IS REASONABLY HOMOGENOUS WITH THE SMALLER ROCKS AND SPALLS FILLING THE VOIDS BETWEEN LARGER ROCKS. RIPRAP SHALL BE PLACED IN A MANNER TO PREVENT DAMAGE TO THE FILTER BLANKET OR FILTER CLOTH. HAND PLACEMENT WILL BE REQUIRED TO THE EXTENT NECESSARY TO PREVENT DAMAGE TO PERMANENT WORKS.

OUTLET NUMBER	OUTLET PIPE DIAMETER (Do)	DISCHARGE (CFS)	D_{50} RIP RAP SIZE	MAX. RIP RAP SIZE	RIP RAP THICKNESS	LENGTH (L_a)MIN.
ES 1	18"	6.6	6"	9"	14"	8'
ES 3	12"	0.4	6"	9"	14"	6'
ES 4	12"	3.2	6"	9"	14"	6'



NOTES:
1. STONE SHALL BE PLACED ON A FILTER FABRIC FOUNDATION.
2. STONE CHECK DAM SHALL USE A WELL GRADED STONE MATRIX 2 TO 9 INCHES IN SIZE.
3. SET SPACING OF CHECK DAMS SO THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
4. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
5. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE LINER AS APPROPRIATE.
6. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.
7. MAXIMUM DRAINAGE AREA 2 ACRES.

STONE CHECK DAM DETAIL
(N.T.S.)

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LICENSE EXP. DATE: 07-31-2026
CERT. NO: 2438573

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
PACKAGE 2
DETAILS

DATE	ISSUED TO
12-9-2024	BID SUBMISSION
10-31-2024	NYCDEP SUBMISSION
3-5-2024	SED SUBMISSION
2-14-2024	NYCDEP SUBMISSION
11-29-2023	D.D. SUBMISSION

SHEET SIZE: 30"x42"
SCALE: 1"=20'
DRAWING NO.: CVS C603
DRAWN BY: TSM
FILE NO.: 23505.02

PLOT DATE: December 02, 2024 – 3:02pm
Z:\E\23149100 F&D Brewster CSD\CADD Package 2\BHS C600.dwg, 12/2/2024 3:02:57 PM, nbliau, 1:1
FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 2\BHS C600.dwg

WATER LINE TESTING PROCEDURES

TESTS ON PRESSURE PIPING FOR TRANSPORT OF WATER

A. *Hydrostatic Pressure Test*
Hydrostatic testing shall be performed in accordance with the revision of AWWA C605, Section 7.3, "Hydrostatic Testing".

1. *Test pressure shall be as scheduled or, where no pressure is scheduled, shall be 150% of the maximum working pressure or 150 psi, whichever is higher.*
   a. *Fire Water Service Line test pressure shall be 200 psi.*
2. *Test pressure shall be held on the piping for a period of at least 2 hours, unless a longer period is requested by the Engineer.*
3. *The test medium shall be water.*

B. *Hydrostatic Leakage Test*

1. *The leakage test shall be conducted concurrently with the pressure test.*
2. *The rate of leakage shall be determined at 15-minute intervals by means of volumetric measurement of the makeup water added to maintain the test pressure. The test shall proceed until the rate of leakage has stabilized or is decreasing below an allowable value, for three consecutive 15-minute intervals. After this, the test pressure shall be maintained for at least another 15 minutes.*
   a. *At the completion of the test, the pressure shall be released at the furthermost point from the point of application.*
3. *All exposed piping shall be examined during the test and all leaks, defective material or joints shall be repaired or replaced before repeating the tests.*
4. *The allowable leakage will be determined by the following formula.*

$$Q = \frac{LD\sqrt{P}}{148{,}000}$$

Where:
Q = quantity of makeup water, in gallons per hour
L = length of pipe tested, in feet
D = nominal diameter of the pipe, in inches
P = average test pressure during the hydrostatic test, in pounds per square inch (gauge)

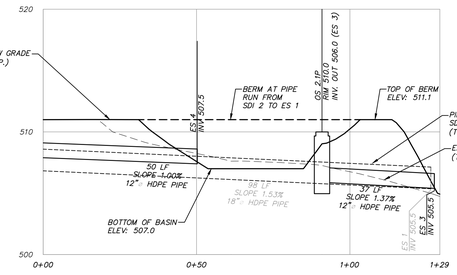
5. *Regardless of the above allowables, any visible leaks shall be permanently stopped.*
6. *The test medium shall be water.*

C. *Disinfection (Potable water only)*
Prior to placing the water main into service, the new pipe shall be cleaned and disinfected in accordance with the latest revision of AWWA C651, Section 4.4.3, "The Continuous Feed Method". The "Tablet Method" will not be accepted.

1. *All work under this section shall be performed in the presence of the Design Engineer, and a representative of the public health authority having jurisdiction, as required.*
2. *Chlorination shall be scheduled such that sampling and flushing will be performed during normal daylight working hours. The contractor shall provide acceptable backflow prevention on all supply water to prevent any potential backflow contamination or cross connection.*
3. *Chlorination shall be by the use of a solution of water and liquid chlorine, calcium hypochlorite or sodium hypochlorite and the solution shall be contained in the pipe or structure as specified.*
4. *Prior to chlorination, all dirt and foreign matter shall be removed by a thorough cleaning and flushing of the pipeline or structure.*
5. *The chlorine solution shall be introduced to pipelines through corporation stops placed in the horizontal axis of the pipe, to structures by means of tubing extending directly into the structure, or other approved methods.*
6. *The application of the chlorine solution shall be by means of a controlled solution feed device. The rate of chlorine solution flow shall be in such proportion to the rate of water entering the pipe or structure that the resulting free chlorine residual shall be between 25 and 50 parts per million (PPM) or milligrams per liter (mg/l).*
7. *The chlorine treated water shall be retained in the pipe or structure at least 24 hours, unless otherwise directed. During the retention period, all valves and hydrants within the treated sections shall be operated.*
8. *The chlorine residual shall be not less than 10 PPM (or mg/l) at any point in the pipe or structure at the end of the 24-hour retention period.*
9. *When making repairs to, or when specified, structures and portions of pipelines shall be chlorinated by a concentrated chlorine solution containing not less than 200 PPM (mg/l) of free chlorine. The solution shall be applied with a brush or sprayed on the entire inner surface of the empty pipes or structure. The structures disinfected shall remain in contact with the strong chlorine solution for at least 30 minutes.*
10. *After the required retention of chlorinated water in the pipe or structures, they shall be thoroughly flushed until the replacement water shall, upon test, both chemically and bacteriological, be proven equal to water quality served by the public from the existing water supply system.*
11. *The disposal of chlorinated water from any pipe or structure shall be such that it will not cause damage to any vegetation, fish, or animal life.*
12. *The Contractor shall make all arrangements for the testing of water quality by an approved independent laboratory. Two acceptable bacteriological test, taken at least 24 hours apart, shall be collected from the new water main. At least 1 set of samples must be collected from every 1,000 LF of the new water main, plus one set from the end of the line and at least one set from each branch. The results for all tests shall be forwarded to the Design Engineer and the public health authority having jurisdiction.*
13. *All water quality requirements shall be fulfilled prior to the passage of any water through the new system to a public supply or the use of the new system.*

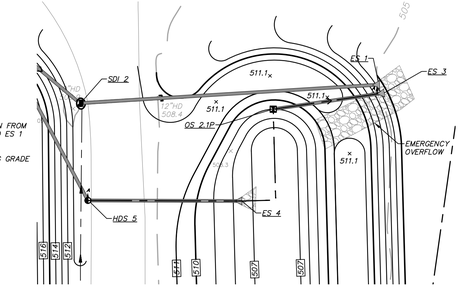
DUCTILE IRON PIPE WATER LINE NOTES:

1. *All water lines shall be class 54 cement lined tyton joint ductile iron pipe, push on (rubber gasket) type and installed with 2 bronze wedges for continuous electrical conductivity per joint. All pipe and appurtenances shall be in accordance with the latest edition of AWWA/ANSI standard C600, C150/A21.50, C151/A21.51, C110/A21.10 and C104/A21.4.*
2. *All water line fittings shall be Class 350 ductile iron mechanical joints with "Field Lok 350" restrained joint gaskets (as manufactured by U.S. Pipe Foundry Co., or approved equal) in accordance with the latest AWWA/ANSI standard C111/A21.11.*
3. *All water lines and appurtenances shall be installed in accordance with the latest edition of AWWA C600.*
4. *Gate valves shall be "CLOW" or approved equal, iron body, non-rising stem conventional packing, resilient seated, mechanical joint with restrained joint gaskets, pressure class 50, opening shall be left (CCW) and operation shall be by 2" square wrench nut.*
5. *Every pipe joint and every fitting shall be secured with "Field Lok 350" restrained joint gaskets (as manufactured by U.S. Pipe Foundry Co., or approved equal) unless otherwise authorized by the Design Engineer, and with prior approval.*
6. *All water lines and appurtenances (including water service lines up to the curb stop) shall be pressure tested and leakage tested to the satisfaction of the Design Engineer, and the Putnam County Department of Health. This shall be done in accordance with the latest edition of AWWA Standard C600.*
7. *All water lines and appurtenances shall be flushed, disinfected, and tested to the satisfaction of the Design Engineer, and the Putnam County Department of Health. This shall be done in accordance with the latest edition of AWWA Standard C651, except for section 4.4.2 "the tablet method" will not be allowed.*
8. *Water lines shall be laid at least 10 feet horizontally from any existing or proposed sanitary or storm sewer main. The distance shall be measured edge to edge. In cases where it is not practical to maintain a 10 foot separation, the Design Engineer and Putnam County Department of Health may allow deviation with prior approval on a case-by-case basis, if supported by data from the Design Engineer prior to the installation of the water line.*
9. *Water lines crossing sanitary or storm sewer mains shall be laid to provide a minimum vertical distance of 18 inches between the outside of the water line and the outside of the sewer. This shall be the case where the water line is either above or below the sewer. The crossing shall be arranged so that the sewer joints will be equidistant and as far as possible from the water line joints. Where a water line crosses under a sewer, adequate structural support shall be provided for the sewer to maintain line and grade. The vertical separation also applies to water service connections. In cases where it is not practical to maintain a 10 foot separation, the Design Engineer and Putnam County Department of Health may allow deviation with prior approval on a case-by-case basis, if supported by data from the Design Engineer prior to the installation of the water line.*
10. *The Design Engineer, and the Putnam County Department of Health shall be notified forty eight (48) hours before construction is started.*
11. *The water lines shall not be placed into service until a certificate of construction compliance has been submitted to and accepted by the Putnam County Department of Health.*
12. *The Putnam County Department of Health must be notified forty eight (48) hours prior to pressure testing the water line improvements.*
13. *Deflection of joints on water line shall not exceed 50% of the maximum deflection recommended by the manufacturer, or as ordered by the Design Engineer.*
14. *Exact location of all fittings shall be approved in the field by the Design Engineer.*
15. *The Design Engineer shall inspect all thrust blocks and sewer/darinage crossings prior to backfill.*
16. *The contractor shall notify the Design Engineer every day that water main construction shall occur.*



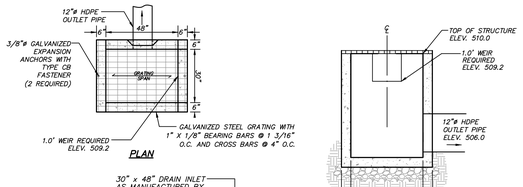
INFILTRATION BASIN CROSS SECTION A–A PROFILE

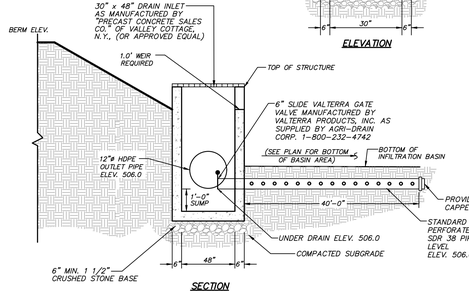
SCALE: HORIZ. 1" = 20'
VER. 1" = 5'



INFILTRATION BASIN ENLARGED PLAN VIEW

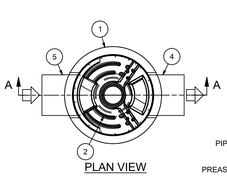
SCALE: 1" = 20'





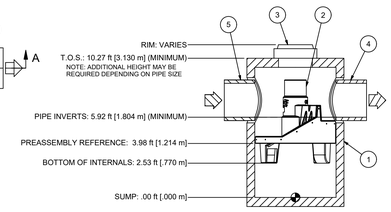
STORMWATER INFILTRATION BASIN OUTLET STRUCTURE DETAIL

(N.T.S.)



PLAN VIEW

HYDRO FRAME AND COVER (INCLUDED)
GRADE RINGS BY OTHERS AS REQUIRED



SECTION A-A
SCALE 1:40

1. MANHOLE WALL AND SLAB THICKNESSES ARE NOT TO SCALE.
2. CONTACT HYDRO INTERNATIONAL FOR A BOTTOM OF STRUCTURE ELEVATION PRIOR TO SETTING FIRST DEFENSE MANHOLE.
3. CONTRACTOR TO CONFIRM RIM, PIPE INVERTS, PIPE DIA. AND PIPE ORIENTATION PRIOR TO RELEASE OF UNIT TO FABRICATION.

PRODUCT SPECIFICATION:

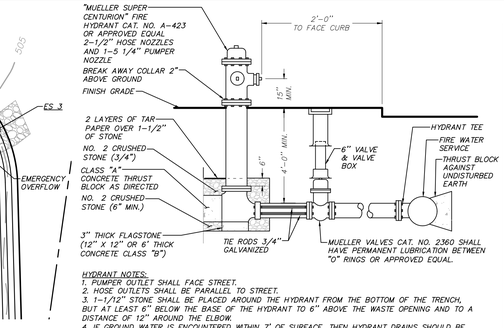
1. Peak Hydraulic Flow: 32.0 cfs (906 l/s)
2. Min Sediment Storage Capacity: 1.6 cu. yd. (1.2 cu. m.)
3. Maximum Inlet/Outlet Pipe Diameters: 30 in. (750 mm)
4. The treatment system shall use an induced vortex to separate pollutants from stormwater runoff.
5. For more product information including regulatory acceptances, please visit https://hydro-int.com/en/products/first-defense

GENERAL NOTES:
1. General Arrangement drawings only. Contact Hydro International for site specific drawings.
2. The diameter of the inlet and outlet pipes may be no more than 30".
3. Multiple inlet pipes possible (refer to project plan).
4. Inlet/outlet pipe angle can vary to align with drainage network (refer to project plans).
5. Peak flow rate and minimum height limited by available cover and pipe diameter.
6. Larger sediment storage capacity may be provided with a deeper sump depth.

PARTS LIST				
ITEM	QTY	SIZE (in)	SIZE (mm)	DESCRIPTION
1	1	72	1800	I.D. PRECAST MANHOLE
2	1			INTERNAL COMPONENTS (PRE-INSTALLED)
3	1	30	750	FRAME AND COVER (ROUND)
4	1	30 (MAX)	750 (MAX)	OUTLET PIPE (BY OTHERS)
5	1	30 (MAX)	750 (MAX)	INLET PIPE (BY OTHERS)

FIRST DEFENSE OPTIMUM HYDRODYNAMIC SEPARATOR FDO–6 (HDS 5)

(N.T.S.)



HYDRANT NOTES:
1. PUMPER OUTLET SHALL FACE STREET.
2. HOSE OUTLETS SHALL BE PARALLEL TO STREET.
3. 1-1/2" STONE SHALL BE PLACED AROUND THE HYDRANT FROM THE BOTTOM OF THE TRENCH, BUT AT LEAST 6" BELOW THE BASE OF THE HYDRANT TO 6" ABOVE THE WASTE OPENING AND TO A DISTANCE OF 12" AROUND THE ELBOW.
4. IF GROUND WATER IS ENCOUNTERED WITHIN 7' OF SURFACE, THEN HYDRANT DRAINS SHOULD BE PLUGGED, THE BARRELS MUST BE PUMPED DRY AFTER USE DURING FREEZING WEATHER. WHERE HYDRANT DRAINS ARE NOT PLUGGED, A GRAVEL POCKET OR DRY WELL SHALL BE PROVIDED UNLESS THE NATURAL SOILS WILL PROVIDE ADEQUATE DRAINAGE. HYDRANT DRAINS SHALL NOT BE CONNECTED TO OR LOCATED WITHIN 10 FEET OF SANITARY SEWERS OR STORM DRAINS.

HYDRANT DETAIL

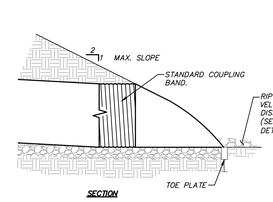
(N.T.S.)

PERMANENT STORMWATER FACILITIES MAINTENANCE SCHEDULE

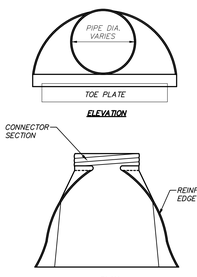
PRACTICE/FACILITY	MONTHLY	AFTER MAJOR STORM EVENTS	BI-ANNUALLY	YEARLY	EVERY 5 to 10 YEARS
HYDRODYNAMIC SEPARATOR	Refer to manufacturers maintenance requirements contained in the project Inspection and Maintenance Manual.				
SUBSURFACE STORMWATER COLLECTION SYSTEMS	–	–	Inspect & clean	Inspect, clean, repair and/or replace structures. Remove debris.	–
INFILTRATION BASIN	Inspect first few months after construction for eroding soils & slumpage & repair immediately	Inspect orifices, inlets & outlets for clogging, eroding soils on the basin berm & embankments, & sources of erosion; & stabilize and/or repair immediately	Mow berms and exterior embankments Remove debris & litter from basins & outlet structures. Remove accumulated if accumulated greater than an 1"	–	Inspect for & remove accumulated sediment
CONCRETE STORMWATER CONVEYANCE STRUCTURES	–	–	Inspect for damage to frame and grate, and pipe inlets/outlets. Clean accumulated sediment in sump.	–	–
GRASS SWALES	Inspect first few months after construction for eroding soils & slumpage & repair immediately	–	Inspect & clean Mow & eroding soils & Revegetate as needed.	–	Inspect for & remove accumulated sediment
ROCK OUTLET PROTECTION	–	Inspect for evidence of scour beneath the riprap or for dislodged rocks or debris and repair immediately.	–	–	–

Note: The party responsible for implementation of the maintenance schedule during and after construction is:

BREWSTER CENTRAL SCHOOL DISTRICT
50 FOGGINTOWN ROAD
BREWSTER, NY 10509



SECTION



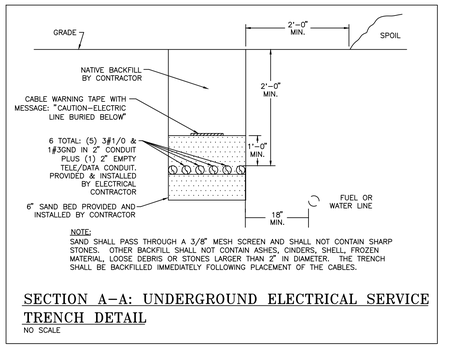
ELEVATION

PLAN

END SECTION DETAIL

(N.T.S.)

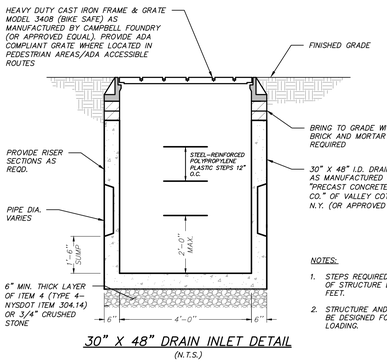
NOTE:
END SECTION CONNECTIONS TO CONFORM TO MANUF. RECOMMENDATIONS FOR VARIOUS PIPE SIZES



NOTE:
SAND SHALL PASS THROUGH A 3/8" MESH SCREEN AND SHALL NOT CONTAIN SHARP STONES. OTHER BACKFILL SHALL NOT CONTAIN ASHES, CINDERS, SHELL, FROZEN MATERIAL, LOOSE DEBRIS OR STONES LARGER THAN 2" IN DIAMETER. THE TRENCH SHALL BE BACKFILLED IMMEDIATELY FOLLOWING PLACEMENT OF THE CABLES.

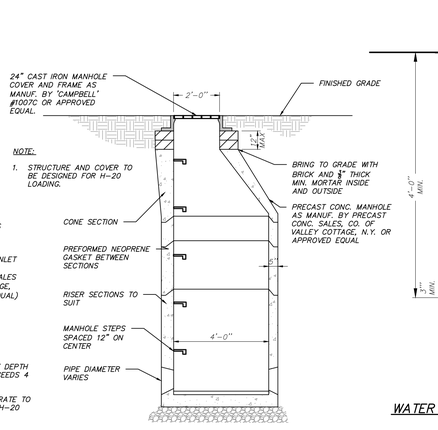
SECTION A–A: UNDERGROUND ELECTRICAL SERVICE TRENCH DETAIL

NO SCALE



30" X 48" DRAIN INLET DETAIL

(N.T.S.)

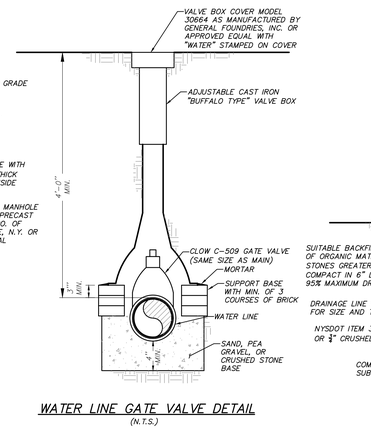


NOTE:
1. STRUCTURE AND COVER TO BE DESIGNED FOR H-20 LOADING.

NOTES:
1. STEPS REQUIRED IF DEPTH OF STRUCTURE EXCEEDS 4 FEET.
2. STRUCTURE AND GRATE TO BE DESIGNED FOR H-20 LOADING.

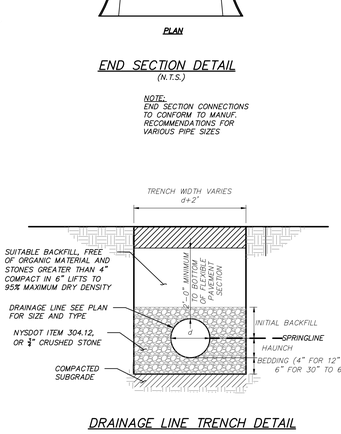
DRAINAGE MANHOLE DETAIL

(N.T.S.)



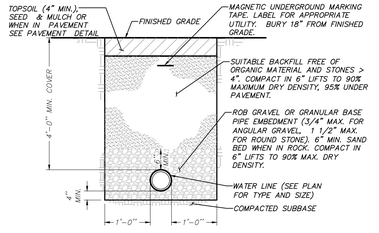
WATER LINE GATE VALVE DETAIL

(N.T.S.)



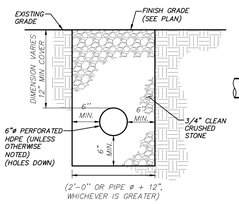
DRAINAGE LINE TRENCH DETAIL

(N.T.S.)



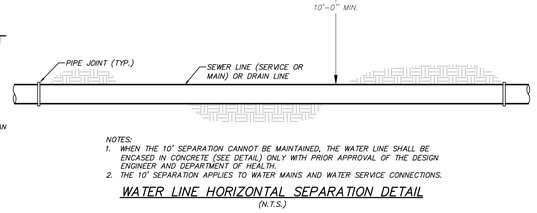
WATER LINE TRENCH DETAIL

(N.T.S.)



UNDERDRAIN DETAIL

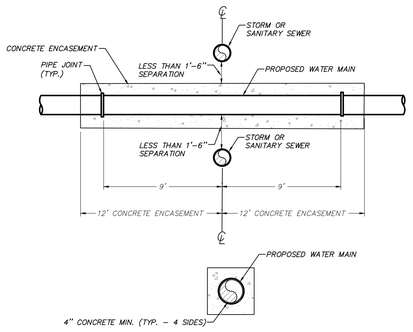
(N.T.S.)



NOTES:
1. WHEN THE 10' SEPARATION CANNOT BE MAINTAINED, THE WATER LINE SHALL BE ENCASED IN CONCRETE (SEE DETAIL) ONLY WITH PRIOR APPROVAL OF THE DESIGN ENGINEER AND DEPARTMENT OF HEALTH.
2. THE 10' SEPARATION APPLIES TO WATER MAINS AND WATER SERVICE CONNECTIONS.

WATER LINE HORIZONTAL SEPARATION DETAIL

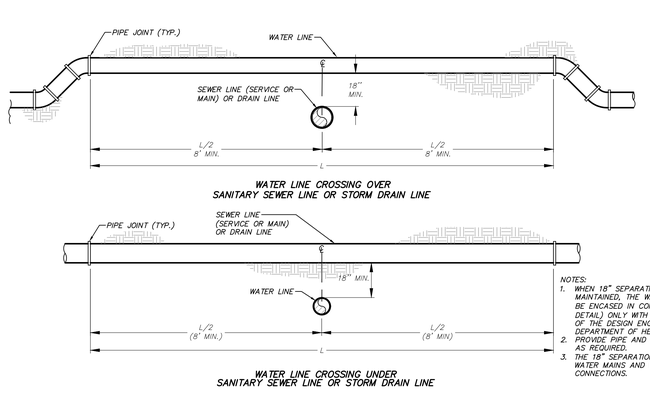
(N.T.S.)



WATER MAIN CONCRETE ENCASEMENT DETAIL

(N.T.S)

NOTE: CONCRETE ENCASEMENT IS ONLY TO BE USED WHEN 18" MINIMUM SEPARATION IS NOT POSSIBLE. CONCRETE ENCASEMENT REQUIRES PRIOR APPROVAL BY THE DESIGN ENGINEER & THE DEPARTMENT OF HEALTH.

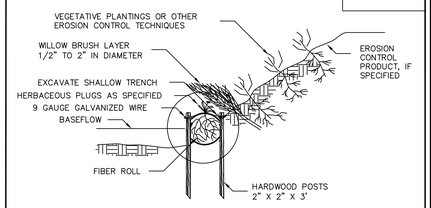


NOTES:
1. WHEN 18" SEPARATION CANNOT BE MAINTAINED, THE WATER LINE SHALL BE ENCASED IN CONCRETE (SEE DETAIL) ONLY WITH PRIOR APPROVAL OF THE DESIGN ENGINEER AND DEPARTMENT OF HEALTH.
2. PROVIDE PIPE AND FITTING RESTRAINT AS REQUIRED.
3. THE 18" SEPARATION APPLIES TO WATER MAINS AND WATER SERVICE CONNECTIONS.

WATER LINE CROSSING DETAIL

(N.T.S.)

SYMBOL: FR



CROSS SECTION NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

1. EXCAVATE A SHALLOW TRENCH SLIGHTLY BELOW BASEFLOW OR A 4" TRENCH ON SLOPE CONTOURS.
2. PLACE THE ROLL IN THE TRENCH AND ANCHOR WITH 2" x 2" POSTS PLACED ON BOTH SIDES OF THE ROLL AND SPACED LATERALLY ON 2' TO 4' CENTERS. TRIM THE TOP OF THE POSTS EVEN WITH THE EDGE OF THE ROLL, IF NECESSARY.
3. NOTCH THE POSTS AND TIE TOGETHER, ACROSS THE ROLL, WITH 9 GAUGE GALVANIZED WIRE OR 1/8" DIAMETER BRAIDED NYLON ROPE.
4. LICENSE EXP. DATE: 07-31-2026 CERT. NO: 2438573

ADAPTED FROM DETAILS PROVIDED BY: USDA – NRCS, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

FIBER ROLL

S.E.D. CONTROL NUMBER: 48-06-01-06-0-001-026

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ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717

PROJECT TITLE: CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
RENOVATIONS & ADDITION INTERIOR
REFURBISHMENT & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE: PACKAGE 2 DETAILS

DATE	ISSUED TO
12-9-2024	BID SUBMISSION
10-31-2024	NYCDEP SUBMISSION
3-5-2024	SED SUBMISSION
2-14-2024	NYCDEP SUBMISSION
11-29-2023	D.D. SUBMISSION

SHEET SIZE: 30"x42" | DRAWING NO.: CVS C604
SCALE: 1"=20' | DRAWN BY: TSM | FILE NO.: 23505.02

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PLOT DATE: December 02, 2024 – 3:03pm
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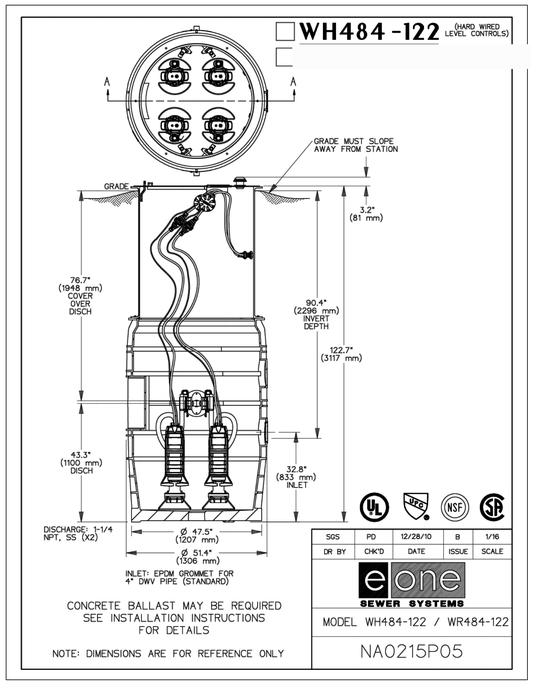


PUMP STATION DETAIL
(N.T.S.)

PUMP STATION TESTING PROCEDURES

A. The pump system shall be tested once all other sewer components have been tested.

1. After the contractor has stated to the engineer that the installation is complete and ready for continuous operation, the contractor shall conduct a running test of the pumps, controls, alarms, and auxiliary power in the presence of the engineer to demonstrate proper operating condition. Contractor shall be responsible for supplying water, storage tanks and other equipment required for testing.

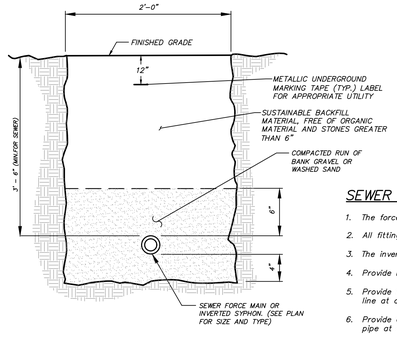
2. All equipment and controls will be re-tested, adjusted, modified and/or replaced; and re-tested as often as necessary to meet the specified requirements to the satisfaction of the engineer. Representatives of the major system suppliers (controls, generator, pumps) shall be on site during testing with the design engineer.

3. Once the design engineer is satisfied with operation of the testing, the town and Putnam County Department of Health must be notified forty eight (48) hours prior to pump station testing. Representatives of the major system suppliers (controls, generator, pumps) shall be on site during testing with the design engineer.

4. Training for system operators shall be provided for controls, pumps and generator by suppliers representatives.

E-ONE PUMP PIT NOTES:

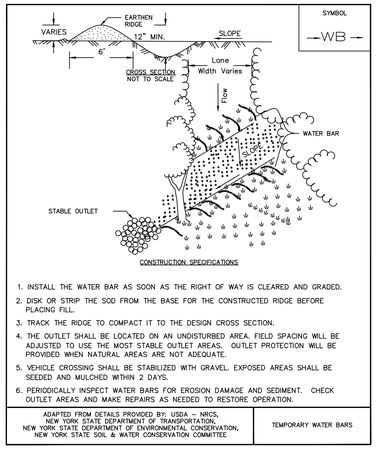
1. THE PUMP STATION SHALL BE A W-SERIES WH484 PUMP PIT WITH FOUR (4) E-ONE SPD GRINDER PUMPS.
2. PUMP CONTROL PANEL AND AUDIO/VISUAL ALARM SHALL BE POSITIONED INSIDE THE PUMP PIT FENCED IN AREA IN A WEATHER PROOF NEMA BOX.
3. ALL ELECTRICAL WORK AND MATERIAL TO COMPLY WITH THE NATIONAL ELECTRICAL CODE REQUIREMENTS FOR CLASS I GROUP D, DIVISION 1 LOCATIONS.
4. ALL MODEL NUMBERS SPECIFIED ARE FROM ENVIRONMENTAL ONE CORPORATION, NISKAYUANA, NEW YORK.
5. AN ELECTRICAL UNDERWRITER'S CERTIFICATE FOR THE PUMP CHAMBER MUST BE PROVIDED TO THE DEPARTMENT PRIOR TO THE DEPARTMENT CONDUCTING A FINAL INSPECTION ON THE PUMP CHAMBER.
6. PUMP AND ALARM TO BE CONNECTED TO SEPARATE CIRCUITS.
7. ALL PENETRATIONS TO PUMP PIT TO BE SEALED.
8. BACK FILL TO BE R.O.B. GRAVEL WITH NO STONES EXCEEDING 1.0"ø COMPACTED TO 85% TO 90% MAX. DRY DENSITY. SYSTEM TO BE COMPATIBLE WITH A PORTABLE BACK UP GENERATOR.
9. PROVIDE CONCRETE BALLAST AS MANUFACTURE REQUIRES.



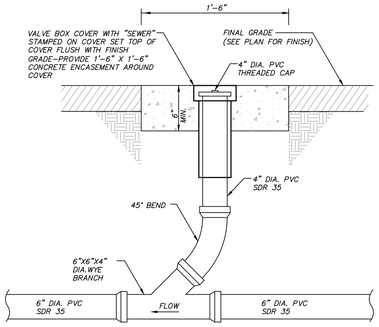
SEWER FORCE MAIN & INVERTED SIPHON TRENCH DETAIL
(N.T.S.)

SEWER FORCEMAN AND INVERTED SIPHON NOTES

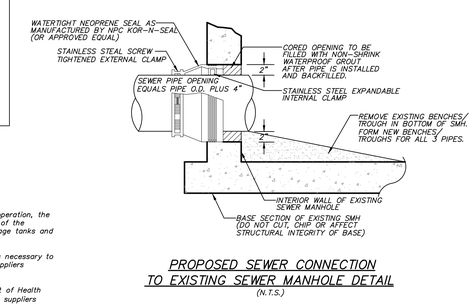
1. The forcemain pipe shall be 2"ø HDPE DR-11 with butt fused joints.
2. All fittings for PVC shall be Electro fusion or butt fused.
3. The inverted siphon shall be 4"ø HDPE DR-13 with butt fused joints.
4. Provide metallic marking tape labeled "sewer" over each forcemain/inverted siphon.
5. Provide 1'-6" minimum vertical separation between proposed forcemain and water line at all crossings.
6. Provide 6" minimum vertical separation between proposed forcemain and drainage pipe at all crossings.



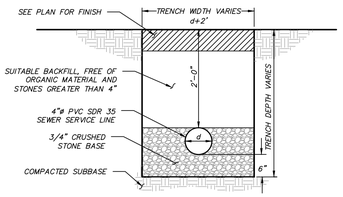
TEMPORARY WATER BAR DETAIL
(N.T.S.)



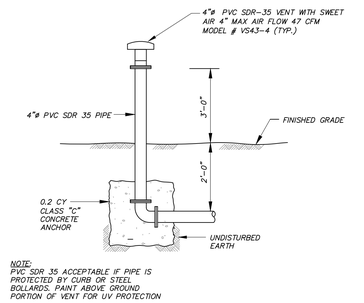
SEWER LINE CLEANOUT DETAIL
(N.T.S.)



PROPOSED SEWER CONNECTION TO EXISTING SEWER MANHOLE DETAIL
(N.T.S.)



SEWER SERVICE LINE TRENCH DETAIL
(N.T.S.)



VENT DETAIL
(N.T.S)

SEWER FORCEMAIN AND INVERTED SIPHON TESTING PROCEDURES

TESTS ON PRESSURE PIPING FOR TRANSPORT OF SEWAGE

A. Hydrostatic Pressure and Leakage Test

1. Test pressure shall be 1.5 times the operation pressure or 50 psi whichever is greater.
2. Test pressure shall be held on the piping for a period of at least 2 hours, unless a longer period is requested by the Engineer.
   a. At the completion of the test, the pressure shall be released at the furthermost point from the point of departure.
3. All exposed piping shall be examined during the test and all leaks, defective material or joints shall be repaired or replaced before repeating the tests.
4. The allowable leakage for forcemain pressure pipelines shall not exceed 0.5 gallons per 1,000 LF of pipe for any 30-minute period.
5. Regardless of the above allowables, any visible leaks shall be permanently stopped.
6. The test medium shall be water.

SEWER TESTING PROCEDURES

TESTS FOR NON-PRESSURE PIPELINES FOR TRANSPORT OF SEWAGE

The leakage shall be determined by exfiltration, infiltration or low pressure air.

A. Exfiltration Testing

1. Exfiltration tests shall be made by filling a section of pipeline with water and measuring the quantity of leakage.

2. The head of water at the beginning of the test shall be at least 2 feet above the highest pipe within the section being tested.

   a. Should groundwater be present within the section being tested, the head of water for the test shall be 2 feet above the hydraulic gradient of the groundwater.

   b. Should the requirement of 2 feet of water above the highest pipe subject any joint at the lower end of the test section to a differential head of greater than 11.5 feet, another method of testing shall be employed.

B. Infiltration Testing

1. Infiltration tests will be allowed only when the water table gauges determine the groundwater level to be 2 feet or more above the highest pipe of the section being tested.

2. Infiltration test shall be made by measuring the quantity of water leaking into a section of pipeline.

3. Measurement of the infiltration shall be by means of a calibrated weir constructed at the outlet of the section being tested.

C. Allowable Leakage for Non-Pressure Pipelines

1. The allowable leakage (exfiltration or infiltration) for non-pressure pipelines shall not exceed the following in gallons per 24 hours per inch of diameter mile feet of pipe:

Type of Pipe	Leakage
Ductile iron – mechanical or push-on joints	100
Polyvinyl chloride, thermal plastic or fiberglass with rubber joints	100
Cast iron soil pipe	0

2. Regardless of the above allowable leakage, any spurting leaks detected shall be permanently stopped.

D. Low Pressure Air Testing

1. Air testing for acceptance shall not be performed until the backfilling has been completed.

2. Low pressure air tests shall conform to ASTM C 828 or ASTM F1417-16, Section 8.2.2, Time-Pressure Drop Method for a 0.5 psi drop, except as specified herein and shall not be limited to type or size of pipe.

3. All sections of pipelines shall be cleaned and flushed prior to testing.

4. The air test shall be based on the starting pressure of 3.5 to 4.0 psi gauge. The time allowed for the 0.5 psi drop in pressure, measured in seconds, will be computed based on the size and length of the test section by the Engineer.

   a. When groundwater is present, the average test pressure of 3 psig shall be above any back pressure due to the groundwater level.

   b. The maximum pressure allowed under any condition in air testing shall be 10 psig. The maximum groundwater level for air testing is 1.3 feet above the top of the pipe.

5. The equipment required for air testing shall be furnished by the Contractor and shall include the necessary compressor, valves, gauges and plugs to allow for the monitoring of the pressure, release of pressure and a separate test gauge.

   a. The test gauge shall be sized to allow for the measuring of the 0.5 psig loss allowed during the test period and shall be on a separate line to the test section.

E. Deflection Testing

1. Deflection testing shall be performed 30 days after backfilling. The test shall be made by passing a ball or cylinder no less then 95% of the pipe diameter through the pipe. The test shall be performed without mechanical pulling devices.

F. Manhole Testing

1. General

   a. Each manhole shall be tested by either exfiltration, infiltration or vacuum testing.

   b. A manhole will be acceptable if the leakage does not exceed an allowance of one gallon per vertical foot of depth for 24 hours. Regardless of the allowable leakage, any leaks detected shall be permanently stopped.

2. Exfiltration tests shall be performed after backfilling. The test shall be made by filling the manhole with water and observing the level for a minimum of eight hours.

3. Infiltration tests shall be performed after backfilling when the groundwater level is above the joint of the top section of a precast manhole.

4. Vacuum testing shall be performed after backfilling in accordance with the latest revision of ASTM C1244-11R17 as follows:

   a. The test head shall be placed at the top of the manhole in accordance with the manufacturer's recommendations.

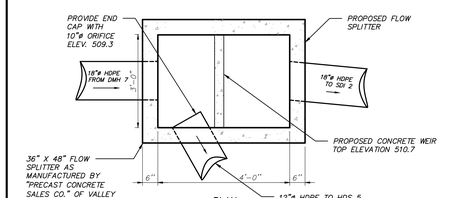
   b. A vacuum of 10 in. of mercury shall be drawn on the manhole, the valve on the vacuum line of the test head closed, and the vacuum pump shut off. The time shall be measured for the vacuum to drop to 9 in. of mercury.

   c. The manhole shall pass if the time for the vacuum reading to drop from 10 in. of mercury to 9 in. of mercury meets or exceeds the values indicated below:

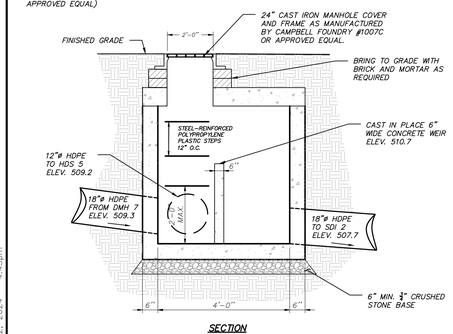
Minimum Test Times for Various Manhole Diameters in Seconds:

Depth (ft)	Diameter (inches)	48	60
		Time (seconds)	
8 or less		20	26
10		25	33
12		30	39
14		35	46
16		40	52
18		45	59
20		50	65

   d. If the manhole fails the initial test, necessary repairs shall be made by an approved method. The manhole shall then be retested until a satisfactory test is obtained.

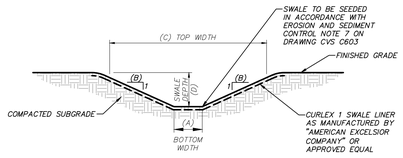


PLAN



SECTION

FLOW SPLITTER FS 6 DETAIL
(N.T.S.)

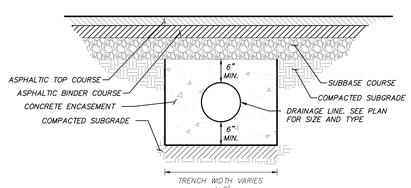


SWALE	BOTTOM WIDTH (A)	SIDE SLOPE ((B):1)	TOP WIDTH (C)	SWALE DEPTH (D)
SW 1	2'-0"	12	14'-0"	0'-6"
SW 2	2'-0"	8	10'-0"	0'-6"
SW 3	1'-0"	2	5'-0"	1'-0"

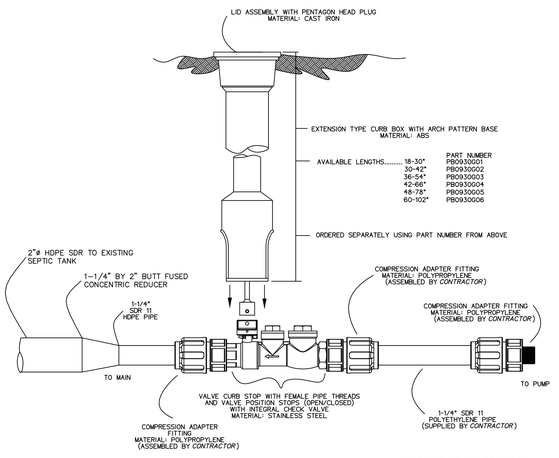
GRASS SWALE DETAIL
(N.T.S.)

NOTES:

1. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE WATERWAY.
2. THE WATERWAY SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN, AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
3. FILLS SHALL BE COMPACTED AS NEEDED TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE IN THE COMPLETE WATERWAY.
4. ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE SPREAD OR DISPOSED OF SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE WATERWAY.
5. STABILIZATION SHALL BE DONE ACCORDING TO THE APPROPRIATE STANDARD AND SPECIFICATIONS FOR VEGETATIVE PRACTICES:
   A. FOR DESIGN VELOCITIES LESS THAN 3.5 F.P.S., SEEDING AND MULCHING MAY BE USED FOR THE ESTABLISHMENT OF VEGETATION.
   B. FOR DESIGN VEOLCITIES OF MORE THAN 3.5 F.P.S., THE WATERWAY SHALL BE STABILIZED WITH SOD, WITH SEEDING PROTECTED BY JUTE OR EXCELSIOR MATTING OR WITH SEEDING AND MULCHING INCLUDING TEMPORARY DIVERSION OF THE WATER UNTIL THE VEGETATION IS ESTABLISHED.



DRAINAGE LINE CONCRETE ENCASEMENT DETAIL
(N.T.S.)

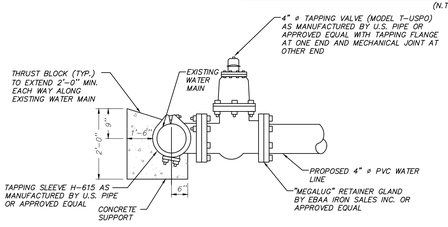


NOTES:

1. SS CURB STOP/CHECK VALVE AND FITTINGS ARE PROVIDED SEPARATELY, TO BE ASSEMBLED BY CONTRACTOR
2. TO ASSEMBLE, APPLY A DOUBLE LAYER OF TEFLON TAPE, AND A LAYER OF PIPE DOPE (SUPPLIED BY CONTRACTOR) TO THE THREADS ON THE PLASTIC FITTINGS AND INSTALL PER THE MANUFACTURER'S INSTRUCTIONS
   *FOR SS FITTING INTO SS THREAD, USE PIPE DOPE OR TEFLON TAPE, NOT BOTH
3. ASSEMBLY IS TO BE PRESSURE TESTED (BY CONTRACTOR)
4. ASSEMBLY IS TO BE USED WITH SDR11 HDPE PIPE
5. TO ORDER SS LATERAL KIT, USE PART NUMBER NC0193G01
6. CURB BOX IS TO BE ORDERED SEPARATELY, SEE ABOVE

KIT PARTS ARE NOT ASSEMBLED

STAINLESS STEEL LATERAL KIT – 1 1/4" SDR 11 HDPE PIPE
(N.T.S.)



TAPPING SLEEVE, VALVE, AND THRUST BLOCK DETAIL
(N.T.S.)

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TEL. 914.592.2444 FAX 914.592.1717
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STATE OF NEW YORK JOHN M. WATSON No. 77950 LICENSED PROFESSIONAL ENGINEER

LICENSE EXP. DATE: 07-31-2026
CERT. NO. 2438573

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
PUTNAM CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
RENOVATION & ADDITION
CENTENNIAL AVENUE
2/1 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
PACKAGE 2
DETAILS

DATE	ISSUED TO
12-9-2024	BID SUBMISSION
10-31-2024	NYCDEP SUBMISSION
3-5-2024	SED SUBMISSION
2-14-2024	NYCDEP SUBMISSION
11-29-2023	D.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS C605
SCALE: 1"=20'
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FILE NO.: 23505.02

PLOT DATE: December 02, 2024 - 4:43pm
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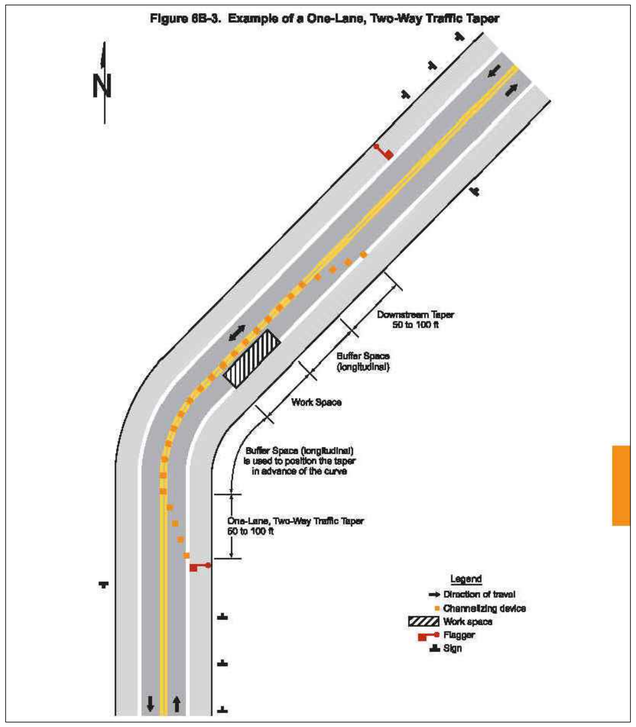


ONE–LANE, TWO–WAY TRAFFIC TAPER DETAIL:

NTS

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:

1. GENERAL:
   MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE PROVIDED IN ACCORDANCE WITH THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND ANY PROVISIONS CONTAINED IN THE PLANS AND/OR PROPOSAL OF THIS CONTRACT.

2. TRAFFIC CONTROL PLAN:
   PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL SUBMIT THE TRAFFIC CONTROL PLAN TO THE ENGINEER FOR APPROVAL.

3. GENERAL METHOD OF MAINTENANCE AND PROTECTION OF TRAFFIC:
   THE TRAFFIC MAINTENANCE SCHEME SHOWN IN FIGURE 6B–3 OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES DESCRIBES THE RECOMMENDED METHODS AND CONTROL DEVICES NECESSARY FOR WORK IN THE RIGHT–OF–WAY. THE ENGINEER MAY ORDER ADDITIONAL DEVICES AND/OR METHODS TO MEET FIELD CONDITIONS.

4. WORK ZONES:
   THE WORK ZONE IS DEFINED AS THAT AREA IN WHICH TRAFFIC IS RESTRICTED BECAUSE OF CONSTRUCTION ACTIVITIES OR THAT AREA WHICH INVOLVES A DROP–OFF OF MATERIALS.

5. CONSTRUCTION EQUIPMENT:
   CONSTRUCTION EQUIPMENT SHOULD BE REMOVED FROM THE CLEAR ROADSIDE AREA DURING NON–WORKING HOURS. FOR THIS PURPOSE A 30' CLEAR OFFSET SHALL BE USED. THIS OFFSET MAY BE REDUCED WHERE EXISTING PERMANENT OBSTRUCTIONS ARE CLOSER TO THE ROADWAY, IF APPROVED BY THE ENGINEER.

6. CONSTRUCTION MATERIAL:
   NO CONSTRUCTION MATERIAL IS TO BE LEFT ON THE SHOULDER, OR WITHIN 20' FROM THE EDGE OF PAVEMENT, AT THE END OF EACH WORKDAY, UNLESS APPROVED BY THE ENGINEER.

7. PARKING OF VEHICLES:
   PRIVATE VEHICLES OWNED BY THE CONTRACTOR OR THE CONTRACTOR'S WORKERS SHALL NOT BE PARKED ON THE PAVEMENT OR SHOULDERS WITHIN THE RIGHT–OF–WAY.

8. ADVANCE WARNING SIGNS:
   DIAMOND SHAPED ADVANCE WARNING SIGNS SHALL BE USED FOR ALL ADVANCE WARNING SIGNS THAT MAY BE EITHER DIAMOND OR RECTANGULAR SHAPED ACCORDING TO PART 238 OF THE N.Y.S. M.U.T.C.D..

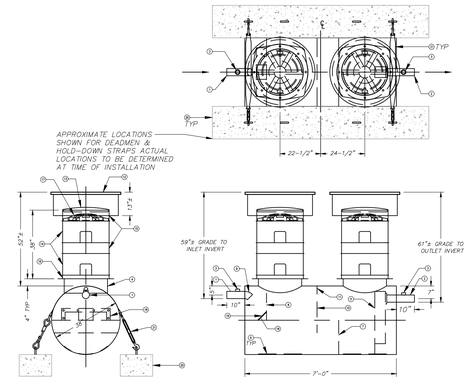
9. PEDESTRIAN FACILITIES:
   ADEQUATE PEDESTRIAN FACILITIES SHALL BE MAINTAINED IN RESIDENTIAL AND COMMERCIAL AREAS FOR THE DURATION OF THE CONTRACT APPROVED BY THE ENGINEER.

10. MAINTENANCE OF ACCESS:
    THE CONTRACTOR SHALL PROVIDE AND MAINTAIN, AT ALL TIMES, SAFE AND ADEQUATE INGRESS AND EGRESS TO AND FROM HOMES, BUSINESS AND COMMERCIAL ESTABLISHMENTS AT EXISTING OR NEW ACCESS POINTS, CONSISTENT WITH THE WORK, UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.

11. ALL SHOULDER CLOSURE AND TRAFFIC CONTROL MUST CONFORM TO NYSDOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

12. NO STEEL PLATES MAY USED WITHIN THE TRAVEL LANES OR SHOULDER DURING THE WINTER. ANY STEEL PLATES USED TO SAFEGUARD AN EXCAVATION IN ANY PAVED AREA MUST BE:
    A: RECESSED INTO THE PAVEMENT AND PINNED, OR
    B: PINNED WITH ASPHALT RAMPS PLACED ALONG ALL SIDES OF THE PLATE. ASPHALT RAMPS SHOULD HAVE A MAXIMUM SLOPE OF 1/2 INCH PER FOOT.

13. CONTRACTOR SHALL COORDINATE WITH THE BREWSTER CENTRAL SCHOOL DISTRICT FOR TEMPORARY TRAFFIC SIGNS AND CONSTRUCTION SCHEDULE SUCH THAT LANE CLOSURES DO NOT IMPACT BUSES AND STUDENT DROP OFF OR PICK UP.



NOTES:

1. EXCAVATION AND BACKFILL BY SITE CONTRACTOR.
2. PLUMBING CONTRACTOR TO PROCURE AND INSTALL GREASE TRAP.
3. BACKFILL AND INSTALL PER MANUFACTURERS REQUIREMENTS.

GREASE INTERCEPTOR DETAIL

(N.T.S.)

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INSITE PROJECT#: 23149.100

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STATE OF NEW YORK
JOHN M. WATSON
No. 77950
LICENSED PROFESSIONAL ENGINEER

LICENSE EXP. DATE: 07-31-2026
CERT. NO: 2438573

S.E.D. CONTROL NUMBER:

48-06-01-06-0-001-026

PROJECT TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
RENOVATION & INTERIOR RENOVATIONS & RELOCATIONS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE:
PACKAGE 2
DETAILS

DATE	ISSUED TO
12-9-2024	BID SUBMISSION
10-31-2024	NYCDEP SUBMISSION
3-5-2024	SED SUBMISSION
2-14-2024	NYCDEP SUBMISSION
11-29-2023	D.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS C606
SCALE: 1"=20'
DRAWN BY: TSM
FILE NO.: 23505.02

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PLOT DATE: December 02, 2024 - 4:42pm

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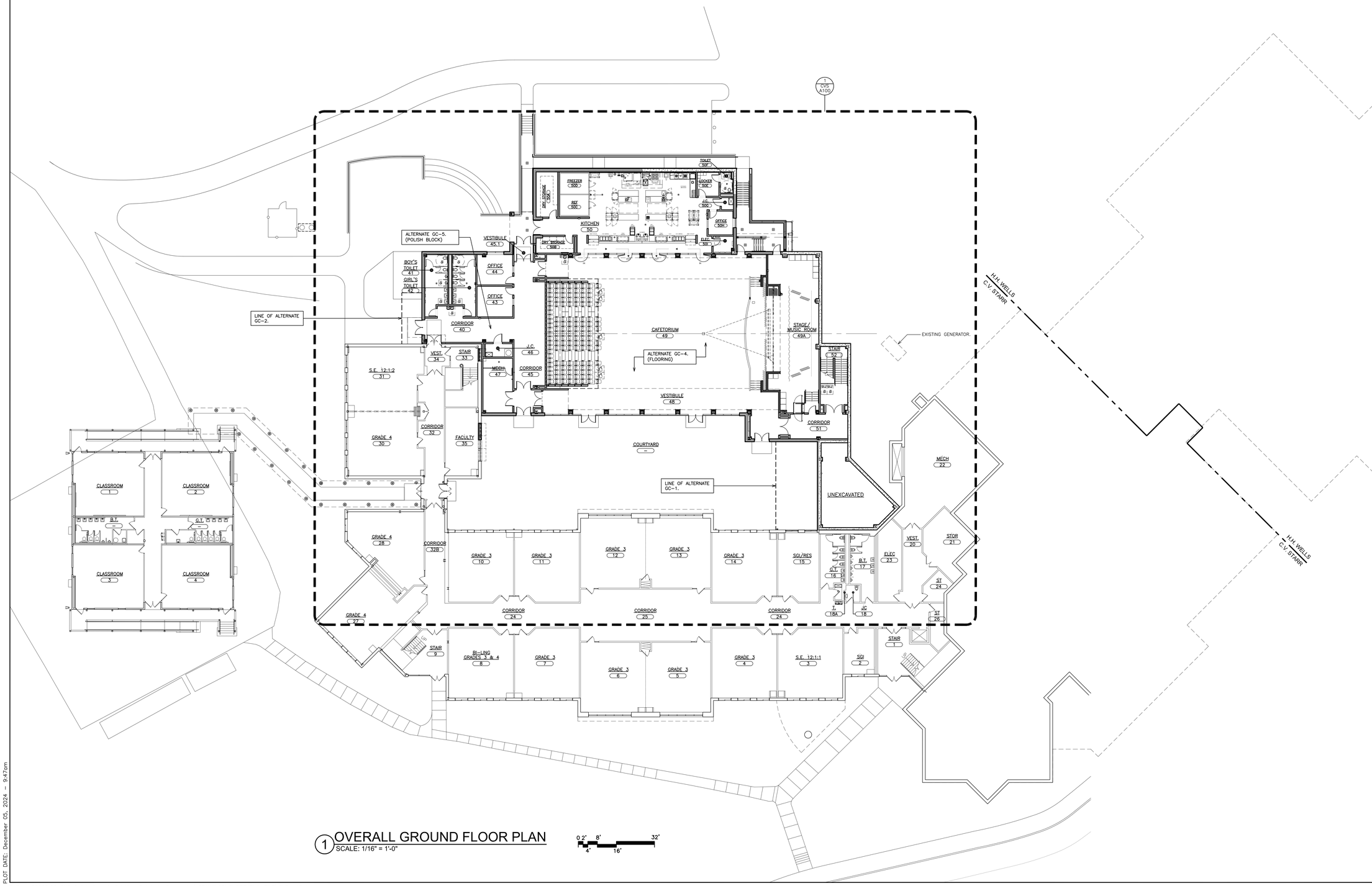

1 OVERALL GROUND FLOOR PLAN
SCALE: 1/16" = 1'-0"

0 2' 4' 8' 16' 32'

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION INTERIOR
RENOVATIONS & EXISTING CAFETERIA CONVERSION
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
OVERALL GROUND FLOOR PLAN

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
06-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A10
SCALE AS NOTED
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FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 9:47am

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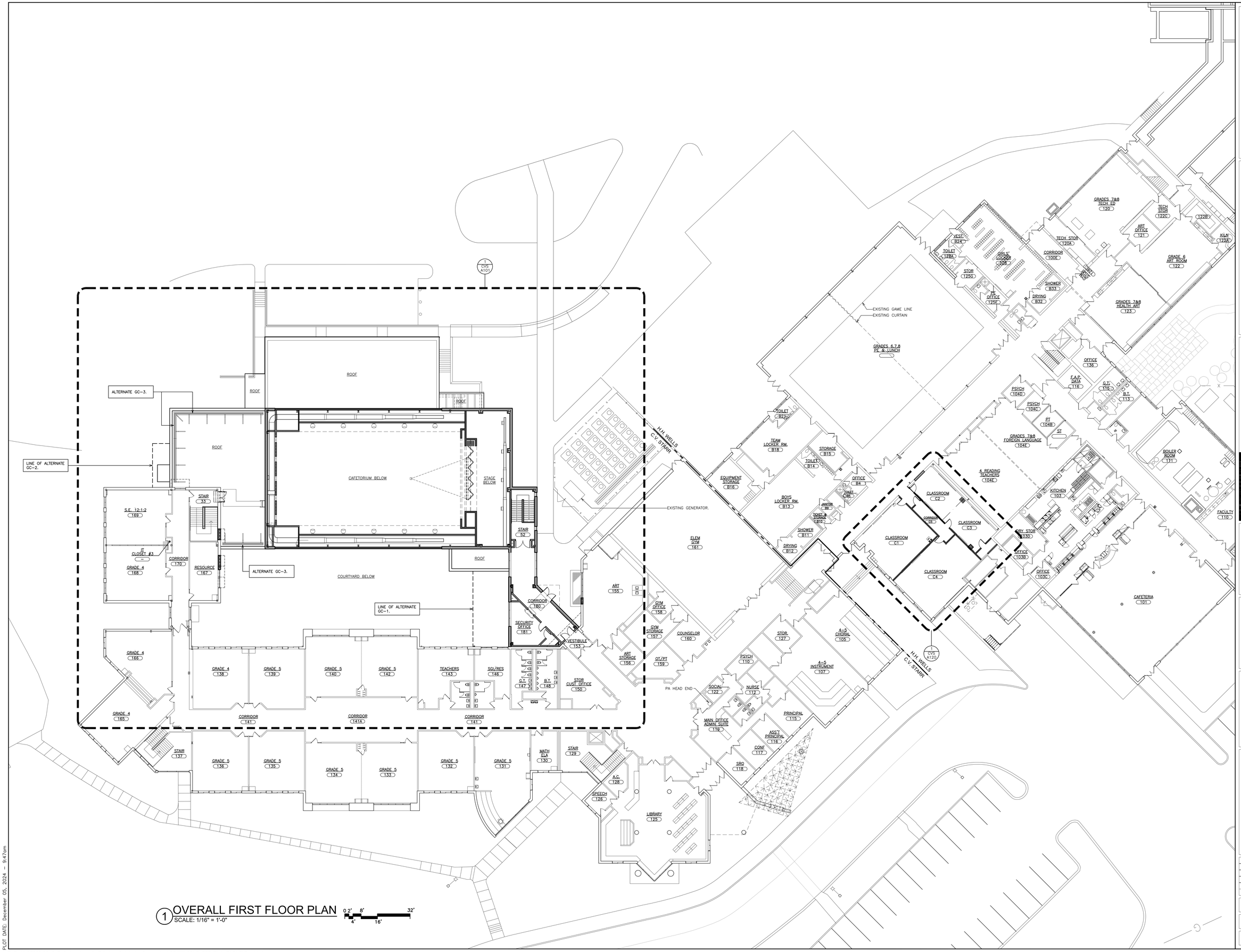

1 OVERALL FIRST FLOOR PLAN
SCALE: 1/16" = 1'-0"

0 2' 4' 8' 16' 32'

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION INTERIOR
RENOVATIONS AND RELOCATIONS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
OVERALL FIRST FLOOR PLAN

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A11
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

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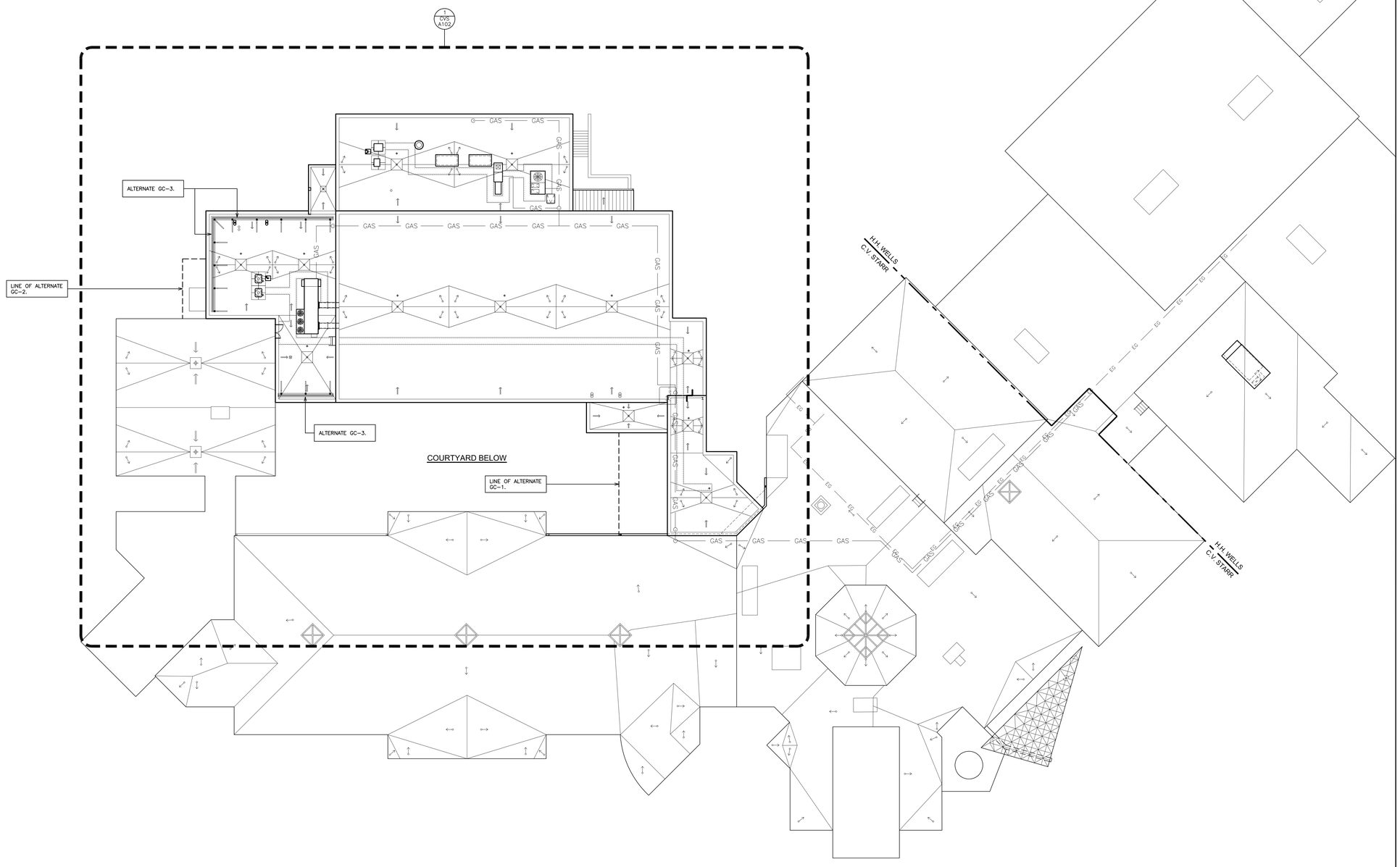

1 OVERALL ROOF PLAN
SCALE: 1/16" = 1'-0"

0 2' 4' 8' 16' 32'

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PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
OVERALL ROOF PLAN

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS A12
SCALE: AS NOTED
DRAWN BY:
FILE NO.: 23505.02

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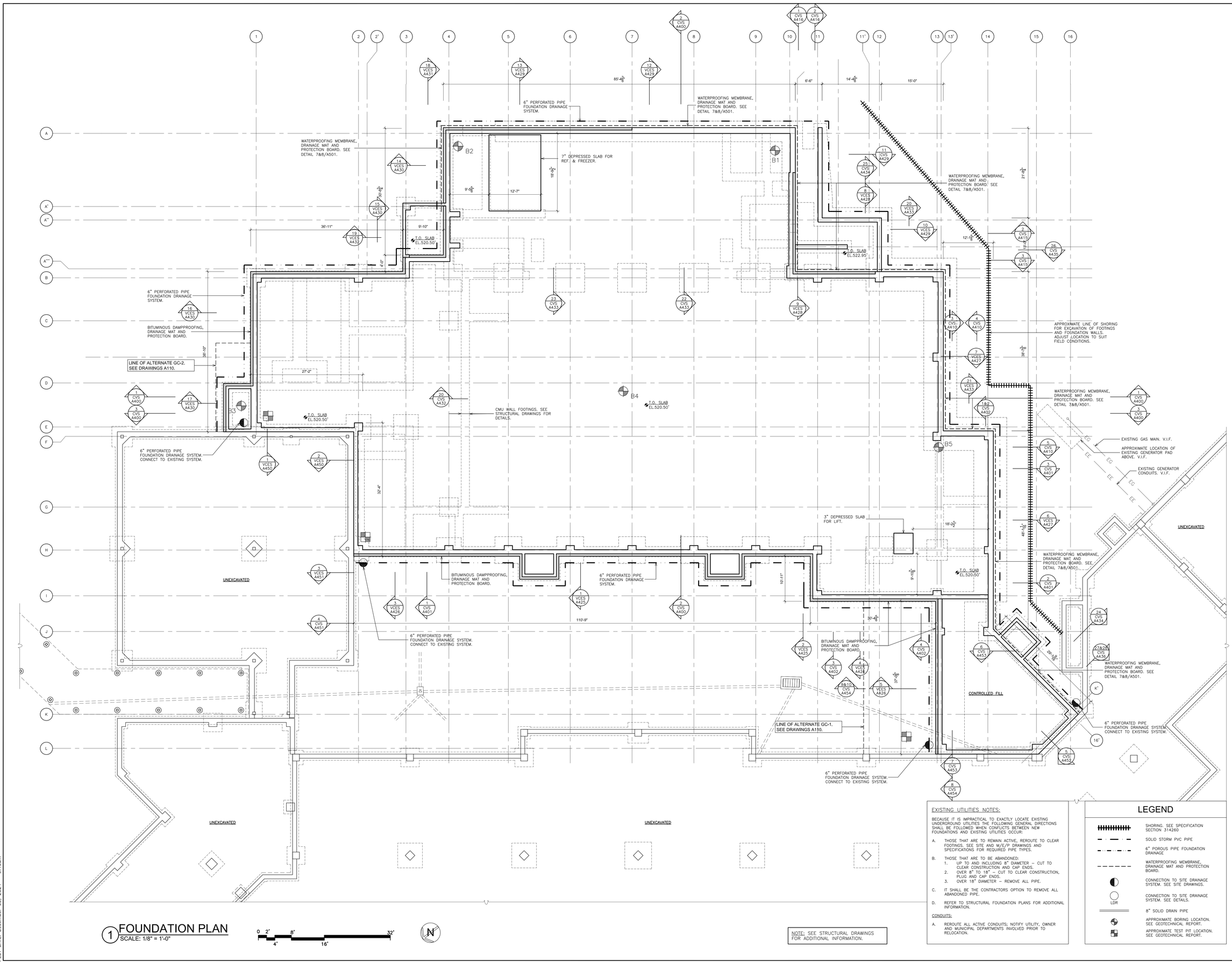

1 FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

NOTE: SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

EXISTING UTILITIES NOTES:

BECAUSE IT IS IMPRACTICAL TO EXACTLY LOCATE EXISTING UNDERGROUND UTILITIES THE FOLLOWING GENERAL DIRECTIONS SHALL BE FOLLOWED WHEN CONFLICTS BETWEEN NEW FOUNDATIONS AND EXISTING UTILITIES OCCUR:

A. THOSE THAT ARE TO REMAIN ACTIVE, REROUTE TO CLEAR FOOTINGS. SEE SITE AND M/E/P DRAWINGS AND SPECIFICATIONS FOR REQUIRED PIPE TYPES.

B. THOSE THAT ARE TO BE ABANDONED:
1. UP TO AND INCLUDING 8" DIAMETER – CUT TO CLEAR CONSTRUCTION AND CAP ENDS.
2. OVER 8" TO 18" – CUT TO CLEAR CONSTRUCTION, PLUG AND CAP ENDS.
3. OVER 18" DIAMETER – REMOVE ALL PIPE.

C. IT SHALL BE THE CONTRACTORS OPTION TO REMOVE ALL ABANDONED PIPE.

D. REFER TO STRUCTURAL FOUNDATION PLANS FOR ADDITIONAL INFORMATION.

CONDUITS:

A. REROUTE ALL ACTIVE CONDUITS; NOTIFY UTILITY, OWNER AND MUNICIPAL DEPARTMENTS INVOLVED PRIOR TO RELOCATION.

LEGEND

- SHORING. SEE SPECIFICATION SECTION 314260
- SOLID STORM PVC PIPE
- 6" POROUS PIPE FOUNDATION DRAINAGE
- WATERPROOFING MEMBRANE, DRAINAGE MAT AND PROTECTION BOARD.
- CONNECTION TO SITE DRAINAGE SYSTEM. SEE SITE DRAWINGS.
- LDR — CONNECTION TO SITE DRAINAGE SYSTEM. SEE DETAILS.
- 8" SOLID DRAIN PIPE
- APPROXIMATE BORING LOCATION. SEE GEOTECHNICAL REPORT.
- APPROXIMATE TEST PIT LOCATION. SEE GEOTECHNICAL REPORT.

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION IN TERROR
RENOVATIONS AND ALTERATIONS TO
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
FOUNDATION PLAN

12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE 30"x42"	DRAWING NO. CVS A100
SCALE AS NOTED	
DRAWN BY	FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 9:46am

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DOOR LEGEND

- EXISTING DOOR – NO WORK
- NEW DOOR
- NEW DOOR W/ PROXIMITY READER. BY E–CONTRACTOR.
- DOOR BELL INTERCOM W/ CAMERA. BY E–CONTRACTOR.
- ELECTRIC STRIKE.
- RECESSED KNOX BOX.

NOTES:
1. ALL WIRES TO BE RUN IN DOOR FRAMES & WALL CAVITY.
2. COORDINATE WORK WITH ELECTRIFIED DOOR HARDWARE.
3. FINAL LOCATION OF EQUIPMENT TO BE DETERMINED IN FIELD BY OWNER.

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION & INTERIOR RENOVATIONS AS ALTERNATE GC-1
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
GROUND FLOOR PLAN

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A101
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

1 GROUND FLOOR PLAN
SCALE: 1/8" = 1'-0"
NOTE: FOR REMOVAL NOTES SEE DRAWING CVS–A120

0 2' 4' 8' 16' 32'

PLOT DATE: December 05, 2024 – 9:46am

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ALTERNATE GC-1.

DOOR LEGEND

- EXISTING DOOR – NO WORK
- NEW DOOR
- NEW DOOR W/ PROXIMITY READER. BY E-CONTRACTOR.
- DOOR BELL INTERCOM W/ CAMERA. BY E-CONTRACTOR.
- ELECTRIC STRIKE.
- RECESSED KNOX BOX.

NOTES:
1. ALL WIRES TO BE RUN IN DOOR FRAMES & WALL CAVITY.
2. COORDINATE WORK WITH ELECTRIFIED DOOR HARDWARE.
3. FINAL LOCATION OF EQUIPMENT TO BE DETERMINED IN FIELD BY OWNER.

ROOF

EYEBALL DIFFUSERS. SEE MECHANICAL DRAWINGS.

SLOPED SOFFIT CONSTRUCTION.

EL. 530.5'

EXISTING HVAC EQUIPMENT ARRAY TO REMAIN ACTIVE DURING CONSTRUCTION

LINE OF ALTERNATE GC-2. SEE DRAWINGS A110.

NEW ADDITION

EXISTING BUILDING

CAFETORIUM BELOW

STAGE/MUSIC ROOM BELOW

EL. 531.5'

T.O. SLAB EL.533.20'

S.E. 12:1:2 (169)

STAIR 33

EXISTING PAD-MOUNTED EMERGENCY GENERATOR.

SLOPED SOFFIT CONSTRUCTION.

STAIR 52

CORRIDOR 170

GRADE 4 168

RESOURCE 167

GRADE 4 166

GRADE 4 165

GRADE 4 138

GRADE 5 139

GRADE 5 140

GRADE 5 142

TEACHERS 143

SGI/BES 146

G.T. 147

B.T. 148

STOR CUST. OFFICE 150

CORRIDOR 141

CORRIDOR 141A

CORRIDOR 141

ROOF

MECHANICAL AREAWAY.

WALK-OFF FLOOR MAT. SEE DETAIL 6/A651.

LINE OF CANOPY ABOVE

DISPLAY BOARD. SEE DETAIL 10/A651.

ART 155

CORRIDOR 180

T.O. SLAB EL.533.40'

SECURITY OFFICE 181

STORAGE 181A

VESTIBULE 153

ART STORAGE 156

LINE OF ALTERNATE GC-1, SEE DRAWINGS A110.

1 FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"

NOTE: FOR REMOVAL NOTES SEE DRAWING CVS-A120

0 2' 4' 8' 16' 32'

N

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PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
FIRST FLOOR PLAN

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42" | DRAWING NO. CVS A102
SCALE AS NOTED
DRAWN BY | FILE NO. 23505.02

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ROOF R-VALUE CHART

ROOF AREA	DECK TYPE	STARTING THICKNESS OF NEW INSULATION	AVERAGE THICKNESS OF NEW INSULATION	AVERAGE R-VALUE OF NEW INSULATION ABOVE ROOF ONLY
A	CONCRETE	5.5"	7.75"	44.95
B	METAL	5.5"	7.5"	43.5
C	CONCRETE	5.5"	9.7"	56.26
D	METAL	1.5"	2.0"	* U.N.S.
E	METAL	1.5"	2.0"	* U.N.S.
F	METAL	5.5"	2.25"	13.05
G	METAL	5.5"	7.25"	42.05
H	METAL	5.5"	7.0"	40.6

NOTES:

1. R-VALUE REQUIRED TO MEET 2020 CONSERVATION CODE OF NEW YORK STATE, CLIMATE ZONE 4, TABLE 402.1(3), CONTINUOUS INSULATION ENTIRELY ABOVE DECK, R=30.

1A. R-VALUE REQUIRED TO MEET 2020 CONSERVATION CODE OF NEW YORK STATE, CLIMATE ZONE 4, TABLE 402.1. ROOF AREAS, R=30.

2. TAPERED INSULATION TO SLOPE 1/4" PER FT., MINIMUM STARTING THICKNESS AS SHOWN ABOVE. INSTALL 1/4" THICK COVER BOARD OVER THE TAPERED INSULATION.

* U.N.S. UNCONDITIONED SPACE

CODE COMPLIANCE REQUIREMENTS:

1. INSTALL ROOFING TO MEET THE FOLLOWING MINIMUM REQUIREMENTS:
   A. NY STATE UNIFORM FIRE PREVENTION AND BUILDING CODE.
   B. UNDERWRITERS LABORATORIES INC. CLASS A EXTERNAL FIRE RATING FOR ROOF COVERING MATERIALS.
   C. UNDERWRITERS LABORATORIES INC. STANDARD 1256 FOR ROOF ASSEMBLIES WITH FOAM INSULATION.

2. INSTALL ROOFING TO COMPLY WITH THE WIND UPLIFT REQUIREMENTS OF THE NY STATE UNIFORM FIRE PREVENTION AND BUILDING CODE:
   RISK CATEGORY III
   BASIC WIND SPEED 120 MPH
   EXPOSURE CATEGORY B
   BUILDING HEIGHT 30 FT.

3. INSTALL ROOFING AS INDICATED TO RESIST THE FOLLOWING UPLIFT LOADS, CALCULATED IN ACCORDANCE WITH ASCE 7 USING A SAFETY FACTOR OF 2:
   FIELD ZONE: 60 PSF
   PERIMETER ZONE: 100 PSF
   CORNER ZONE: 150 PSF

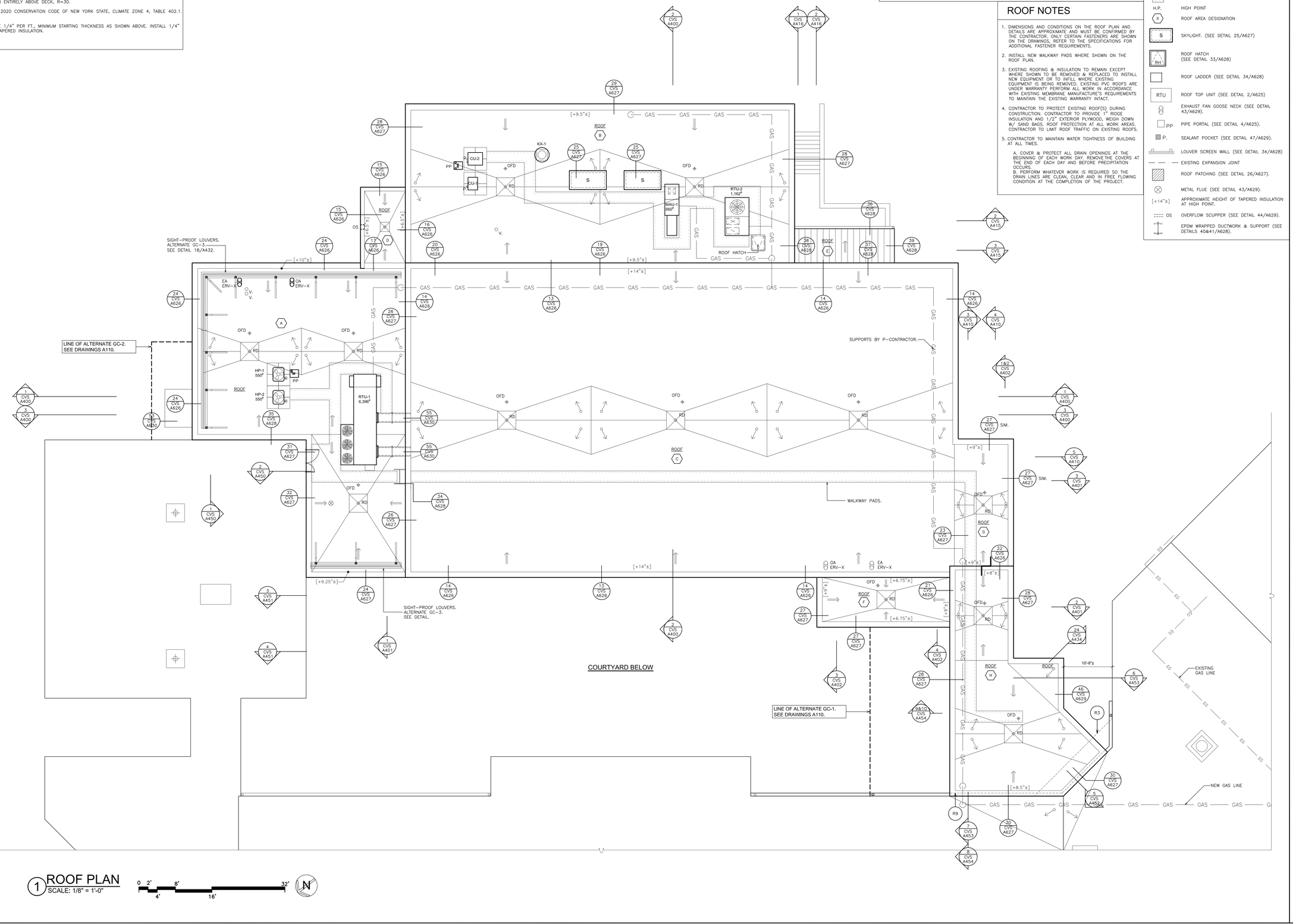
4. FABRICATE AND INSTALL ROOF PERIMETER FLASHINGS THAT COMPLY WITH THE NY STATE UNIFORM FIRE PREVENTION AND BUILDING CODE AND WITH ANSI/SPRI ES-1 "WIND STANDARD FOR EDGE SYSTEMS USED WITH LOW SLOPE ROOFING SYSTEMS".

ROOF NOTES

1. DIMENSIONS AND CONDITIONS ON THE ROOF PLAN AND DETAILS ARE APPROXIMATE AND MUST BE CONFIRMED BY THE CONTRACTOR. ONLY CERTAIN FASTENERS ARE SHOWN ON THE DRAWINGS, REFER TO THE SPECIFICATIONS FOR ADDITIONAL FASTENER REQUIREMENTS.
2. INSTALL NEW WALKWAY PADS WHERE SHOWN ON THE ROOF PLAN.
3. EXISTING ROOFING & INSULATION TO REMAIN EXCEPT WHERE SHOWN TO BE REMOVED & REPLACED TO INSTALL NEW EQUIPMENT OR TO INFILL WHERE EXISTING EQUIPMENT IS BEING REMOVED. EXISTING PVC ROOFS ARE UNDER WARRANTY PERFORM ALL WORK IN ACCORDANCE WITH EXISTING MEMBRANE MANUFACTURE'S REQUIREMENTS TO MAINTAIN THE EXISTING WARRANTY INTACT.
4. CONTRACTOR TO PROTECT EXISTING ROOF(S) DURING CONSTRUCTION. CONTRACTOR TO PROVIDE 1" RIDGE INSULATION AND 1/2" EXTERIOR PLYWOOD, WEIGH DOWN W/ SAND BAGS. ROOF PROTECTION AT ALL WORK AREAS. CONTRACTOR TO LIMIT ROOF TRAFFIC ON EXISTING ROOFS.
5. CONTRACTOR TO MAINTAIN WATER TIGHTNESS OF BUILDING AT ALL TIMES.
   A. COVER & PROTECT ALL DRAIN OPENINGS AT THE BEGINNING OF EACH WORK DAY. REMOVE THE COVERS AT THE END OF EACH DAY AND BEFORE PRECIPITATION OCCURS.
   B. PERFORM WHATEVER WORK IS REQUIRED SO THE DRAIN LINES ARE CLEAN, CLEAR AND IN FREE FLOWING CONDITION AT THE COMPLETION OF THE PROJECT.

ROOF LEGEND

- RD — ROOF DRAIN WITH SUMP (SEE DETAILS 5&7/A625)
- OFD — OVERFLOW DRAIN (SEE DETAILS 6&8/A625)
- ERD — EXISTING ROOF DRAIN
- EG — EXISTING GAS LINE. PRIME & PAINT.
- GAS — NEW GAS LINE (SEE DETAIL 12/A625)
- V. — VENT PIPE (SEE DETAIL 3/A625)
- TAPERED ISOCYANURATE INSULATION. MIN 5½" THICK. SLOPE 1/4"/FOOT. (TYPICAL)
- CRICKET. SLOPE 1/2"/FOOT. (TYPICAL)
- WALKWAY PADS. SEE SPECIFICATIONS
- H.P. — HIGH POINT
- X — ROOF AREA DESIGNATION
- S — SKYLIGHT. (SEE DETAIL 25/A627)
- RH — ROOF HATCH (SEE DETAIL 33/A628)
- ROOF LADDER (SEE DETAIL 34/A628)
- RTU — ROOF TOP UNIT (SEE DETAIL 2/A625)
- EXHAUST FAN GOOSE NECK (SEE DETAIL 43/A629).
- PP — PIPE PORTAL (SEE DETAIL 4/A625).
- P. — SEALANT POCKET (SEE DETAIL 47/A629).
- LOUVER SCREEN WALL (SEE DETAIL 34/A628)
- EXISTING EXPANSION JOINT
- ROOF PATCHING (SEE DETAIL 26/A627).
- METAL FLUE (SEE DETAIL 43/A629).
- [+14"±] — APPROXIMATE HEIGHT OF TAPERED INSULATION AT HIGH POINT.
- OS — OVERFLOW SCUPPER (SEE DETAIL 44/A629).
- EPDM WRAPPED DUCTWORK & SUPPORT (SEE DETAILS 40&41/A628).



1 ROOF PLAN
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION INTERIOR RENOVATIONS AND ALTERATIONS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
ROOF PLAN

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A103
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 9:45am

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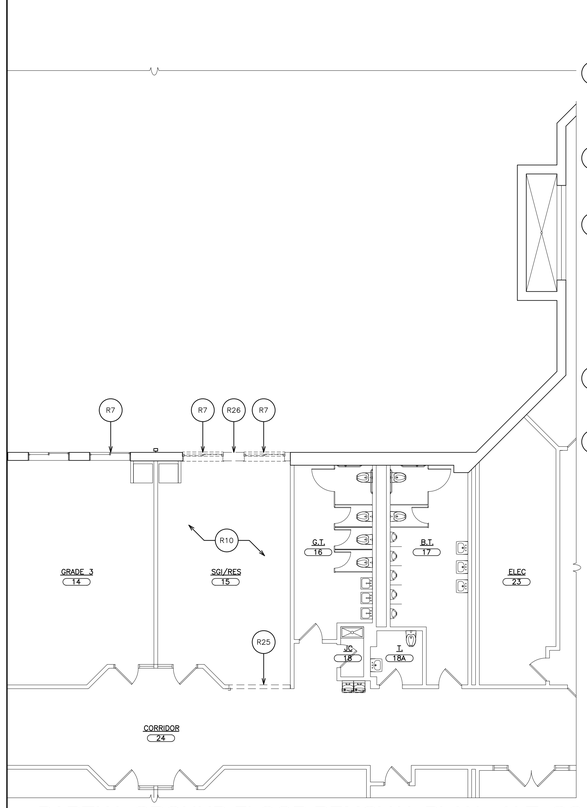
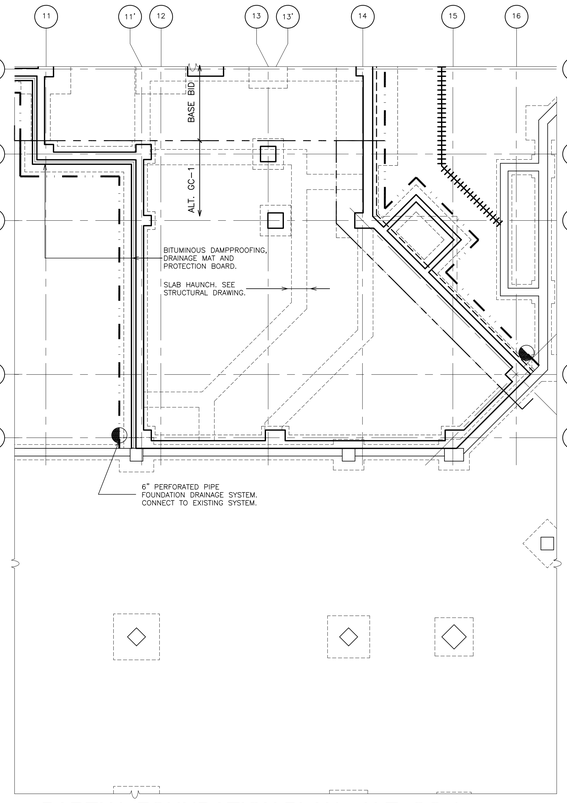


1 PARTIAL GROUND FLOOR REMOVAL PLAN - ALT. GC-1

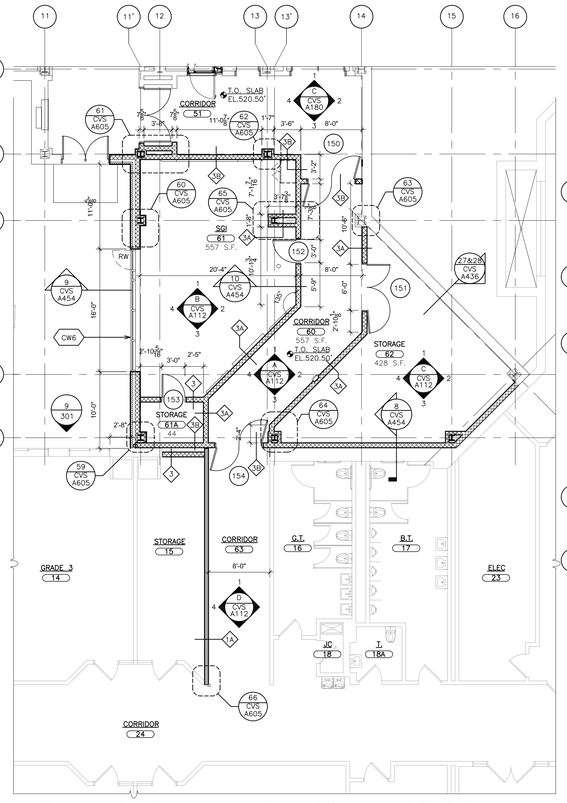
SCALE: 1/8" = 1'-0"

NOTE: FOR REMOVAL NOTES SEE DRAWING CVS A120.



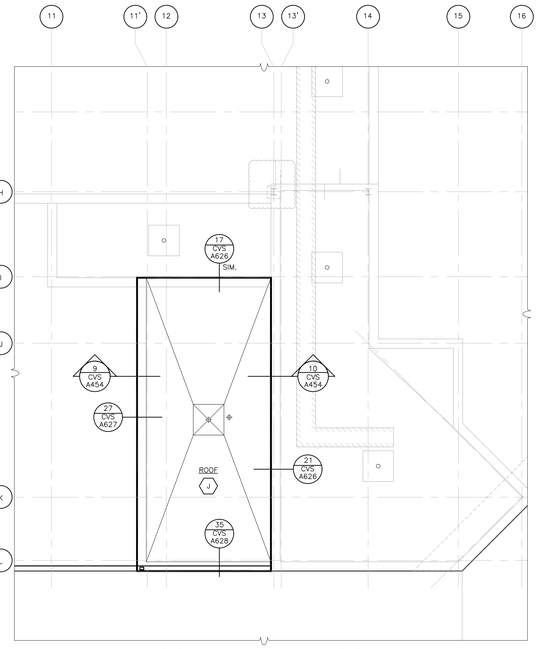
2 PARTIAL FOUNDATION PLAN - ALT. GC-1

SCALE: 1/8" = 1'-0"



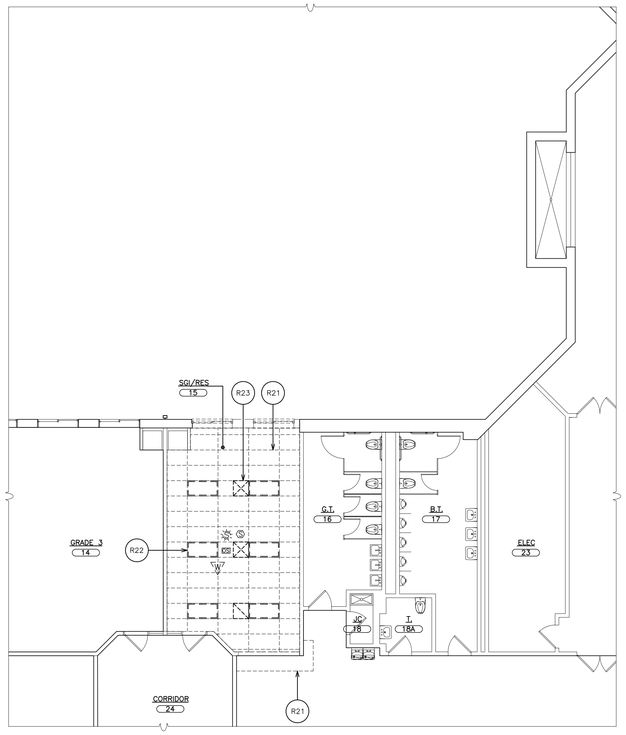
3 PARTIAL GROUND FLOOR PLAN - ALT. GC-1

SCALE: 1/8" = 1'-0"



4 PARTIAL ROOF PLAN - ALT. GC-1

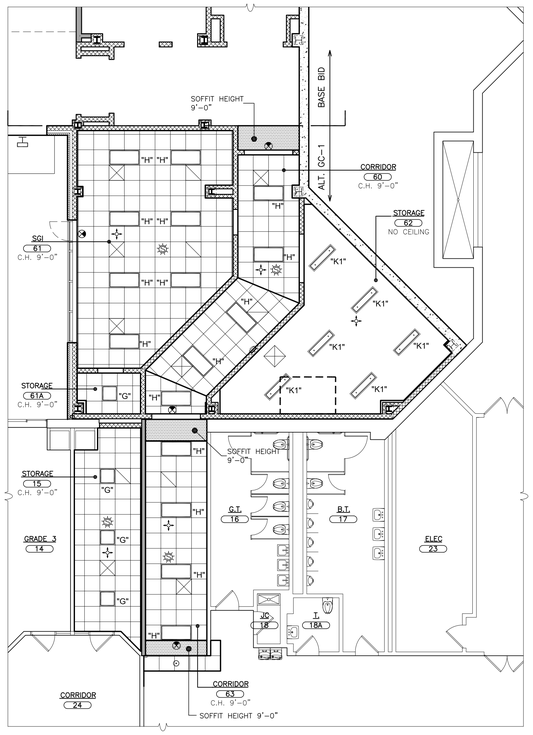
SCALE: 1/8" = 1'-0"



PARTIAL GROUND FLOOR REMOVAL REFLECTED CEILING PLAN - ALT. GC-1

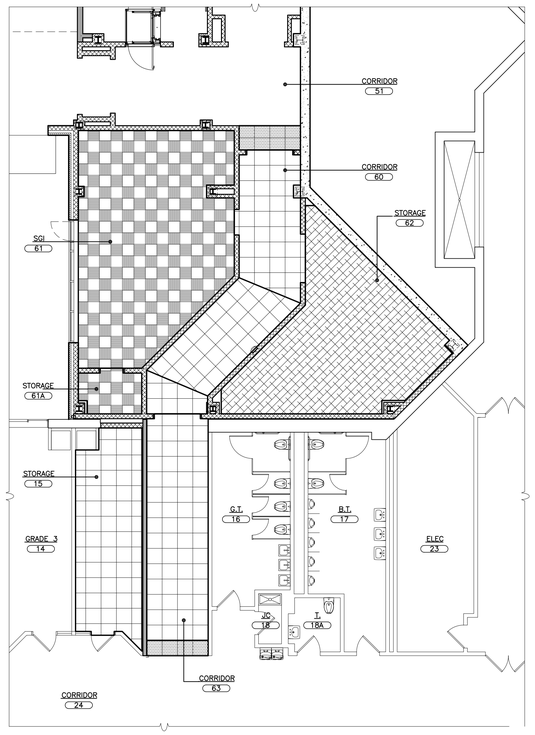
5 SCALE: 1/8" = 1'-0"

NOTE: FOR REMOVAL NOTES SEE DRAWING CVS A120.



PARTIAL GROUND FLOOR REFLECTED CEILING PLAN - ALT. GC-1

6 SCALE: 1/8" = 1'-0"



PARTIAL GROUND FLOOR FINISH PLAN - ALT. GC-1

7 SCALE: 1/8" = 1'-0"

CEILING LEGEND

- 2'x2' RECESSED MOUNTED LIGHT FIXTURE
- 2'x4' RECESSED MOUNTED LIGHT FIXTURE
- RECESSED CAN LIGHT FIXTURE
- SURFACE MOUNTED LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- CURVED LED STRIP LIGHT
- SURFACE MOUNTED LED STRIP LIGHT
- SURFACE MOUNTED ACOUSTICAL CEILING BLADE
- WALL MOUNTED LIGHT FIXTURE
- STAGE LIGHT MOUNTED ON LIGHT BAR. SEE AV DRAWING.
- CEILING MOUNTED STAGE LIGHT
- WALL MOUNTED LIGHT FIXTURE
- CEILING MOUNTED PROJECTOR. SEE DETAIL 12/A652.
- METAL SOFFIT PANEL
- GYPSUM BOARD OR SOFFIT
- CEILING CASSETTE UNIT
- DUAL TECHNOLOGY OCCUPANCY SENSOR
- EYEBALL DIFFUSER
- CEILING REGISTER, SIZE VARIES. SEE MECHANICAL DRAWINGS.
- CEILING DIFFUSER, SIZE VARIES. SEE MECHANICAL DRAWINGS.
- CEILING MOUNTED EXIT SIGN W/ DIRECTIONAL ARROW
- WALL MOUNTED EXIT SIGN W/ DIRECTIONAL ARROW
- 2'x2' OR 2'x4' ACOUSTICAL CEILING TILE AND SUSPENSION SYSTEM
- MECHANICAL UNIT ABOVE CEILING. SEE MECHANICAL DRAWINGS.
- CEILING MOUNTED UNIT HEATER. SEE MECHANICAL DRAWINGS.
- 8'-0" DIAMETER ROUND ACOUSTICAL CLOUDS
- COLOR. SEE FINISH SCHEDULE.
- WALL MOUNTED SECURITY CAMERA. SEE SECURITY DWGS.
- CEILING MOUNTED SECURITY CAMERA. SEE SECURITY DWGS.
- FIRE ALARM SMOKE DETECTOR
- HEAT DETECTOR
- PA CEILING SPEAKER
- SOUND SYSTEM SPEAKER. SEE AV DWGS.
- WIRELESS INTERNET HUB
- SPRINKLER HEAD. SEE F-DWGS.

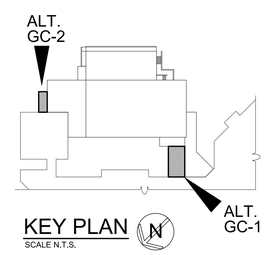
NOTE: 'X' INDICATES FIXTURE TYPE. SEE SPECIFICATIONS.

FLOOR FINISH LEGEND

- 18"x18" HOMOGENOUS VINYL TILE FLOORING. LAID IN CHECKER BOARD PATTERN. SEE FINISH SCHEDULE. (COLOR HVT-1 & HVT-2)
- 24"x24" HOMOGENOUS QUARTZ TILE FLOORING. SEE FINISH SCHEDULE. (BASE BID COLOR QT-1 & ALT. COLOR TZ-2)
- 24"x24" HOMOGENOUS QUARTZ ACCENT TILE FLOORING. SEE FINISH SCHEDULE. (BASE BID COLOR QT-2 & ALT. COLOR TZ-3)
- 24"x24" HOMOGENOUS QUARTZ ACCENT TILE FLOORING. SEE FINISH SCHEDULE. (BASE BID COLOR QT-3 & ALT. COLOR TZ-4)
- EPOXY FLOOR. SEE FINISH SCHEDULE.
- 12"x24" PORCELAIN FLOOR TILE (JOINTS @ 1/3 POINTS). SEE FINISH SCHEDULE.
- RUBBER FLOOR TILE. SEE FINISH SCHEDULE. (COLOR RST-1)
- ACOUSTICAL HOMOGENOUS SHEET FLOORING. SEE FINISH SCHEDULE.
- MARBLE SADDLE. SEE DOOR SEE DETAIL 8/A701.
- WALK-OFF FLOOR MAT. SEE DETAIL 6/A651.

WALL INDICATIONS ON FINISH SCHEDULE

NOTE: 1. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION



KEY PLAN

SCALE N.T.S.

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER: 48-06-01-06-0-001-026

PROJECT TITLE
PORT CHESTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION INTERIOR RENOVATIONS AND ALTERATIONS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

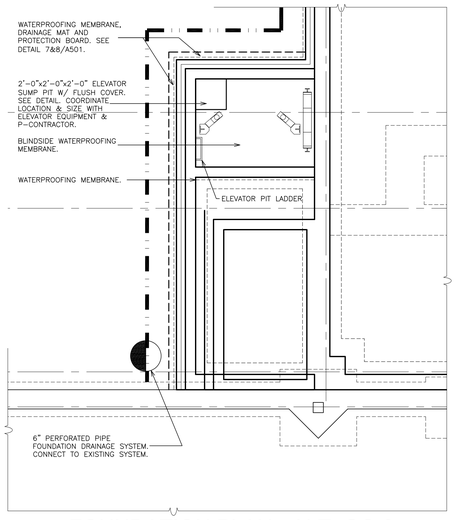
DRAWING TITLE
ALTERNATE GC-1
PARTIAL PLANS - REFLECTED CEILING PLANS & FINISH PLANS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
06-31-2023	S.D. SUBMISSION

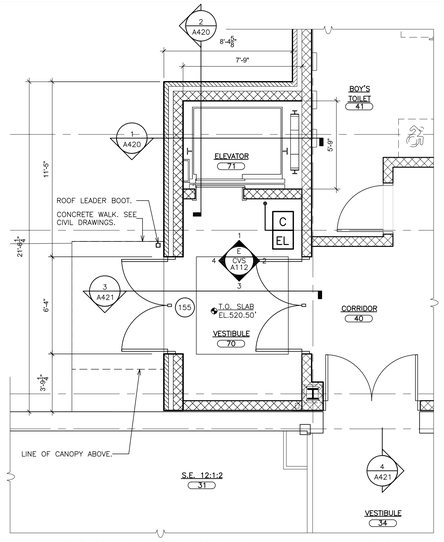
SHEET SIZE 30"x42"
DRAWING NO. CVS A110
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 9:43am

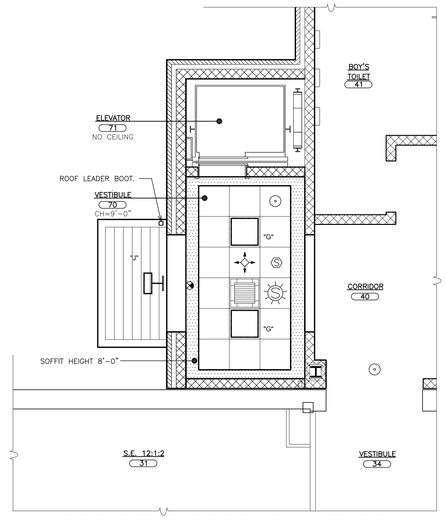
FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A110-111.dwg



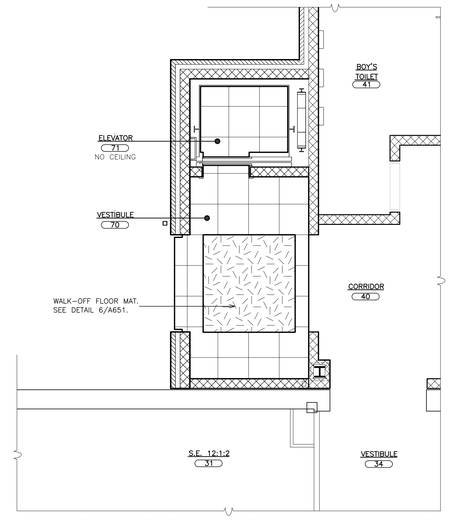
1 FOUNDATION PLAN - ALT. GC-2
SCALE: 1/4" = 1'-0"



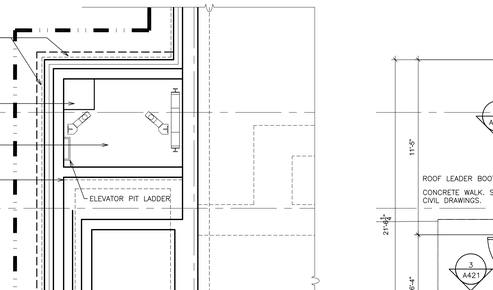
2 GROUND FLOOR PLAN - ALT. GC-2
SCALE: 1/4" = 1'-0"



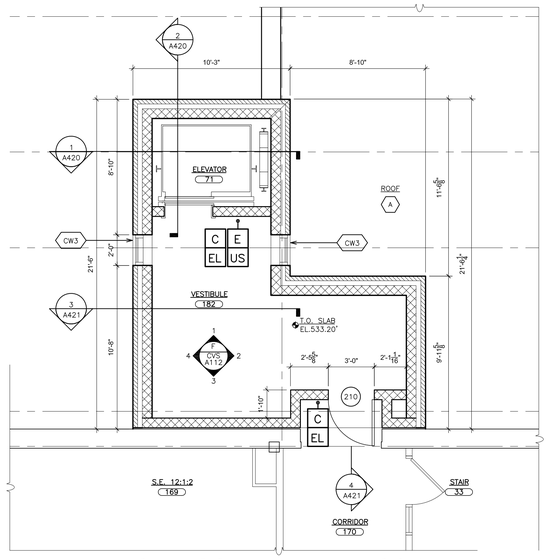
3 GROUND FLOOR RCP - ALT. GC-2
SCALE: 1/4" = 1'-0"



4 GROUND FLOOR FINISH PLAN - ALT. GC-2
SCALE: 1/4" = 1'-0"

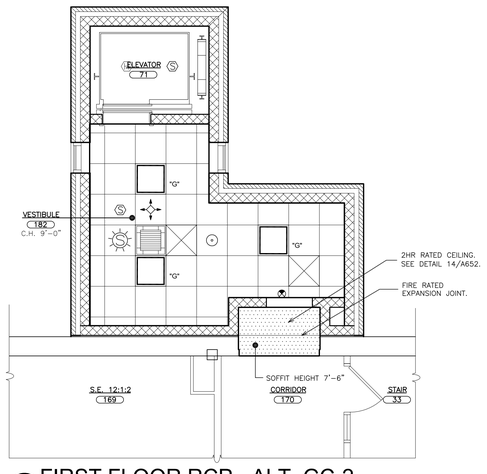


5 FIRST FLOOR REMOVAL PLAN - ALT. GC-2
SCALE: 1/4" = 1'-0"

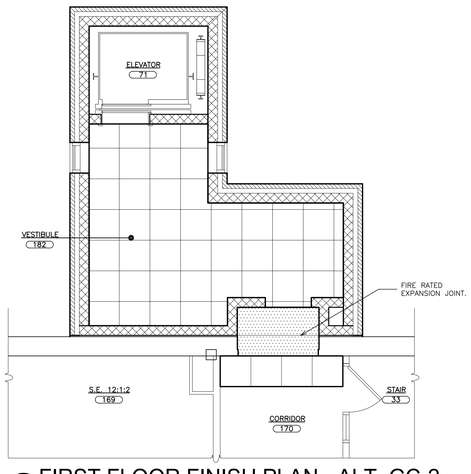


6 FIRST FLOOR PLAN - ALT. GC-2
SCALE: 1/4" = 1'-0"

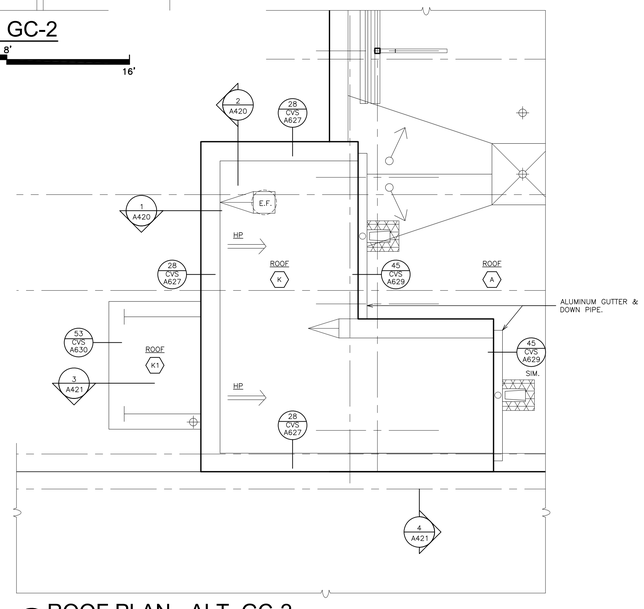
0 2' 4' 8' 16'



7 FIRST FLOOR RCP - ALT. GC-2
SCALE: 1/4" = 1'-0"



8 FIRST FLOOR FINISH PLAN - ALT. GC-2
SCALE: 1/4" = 1'-0"



9 ROOF PLAN - ALT. GC-2
SCALE: 1/4" = 1'-0"

CEILING LEGEND

- 2'x2' RECESSED MOUNTED LIGHT FIXTURE
- 2'x4' RECESSED MOUNTED LIGHT FIXTURE
- RECESSED CAN LIGHT FIXTURE
- SURFACE MOUNTED LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- CURVED LED STRIP LIGHT
- SURFACE MOUNTED LED STRIP LIGHT
- SURFACE MOUNTED ACOUSTICAL CEILING BLADE
- WALL MOUNTED LIGHT FIXTURE
- STAGE LIGHT MOUNTED ON LIGHT BAR. SEE AV DRAWING.
- CEILING MOUNTED STAGE LIGHT
- WALL MOUNTED LIGHT FIXTURE
- CEILING MOUNTED PROJECTOR. SEE DETAIL 12/A652.
- METAL SOFFIT PANEL
- GYPSUM BOARD OR SOFFIT
- CEILING CASSETTE UNIT
- DUAL TECHNOLOGY OCCUPANCY SENSOR
- EYEBALL DIFFUSER
- CEILING REGISTER. SIZE VARIES. SEE MECHANICAL DRAWINGS.
- CEILING DIFFUSER. SIZE VARIES. SEE MECHANICAL DRAWINGS.
- CEILING MOUNTED EXIT SIGN W/ DIRECTIONAL ARROW
- WALL MOUNTED EXIT SIGN W/ DIRECTIONAL ARROW
- 2'x2' OR 2'x4' ACOUSTICAL CEILING TILE AND SUSPENSION SYSTEM
- MECHANICAL UNIT ABOVE CEILING. SEE MECHANICAL DRAWINGS.
- CEILING MOUNTED UNIT HEATER. SEE MECHANICAL DRAWINGS.
- 8'-0" DIAMETER ROUND ACOUSTICAL CLOUDS
- COLOR. SEE FINISH SCHEDULE.
- WALL MOUNTED SECURITY CAMERA. SEE SECURITY DWGS.
- CEILING MOUNTED SECURITY CAMERA. SEE SECURITY DWGS.
- FIRE ALARM SMOKE DETECTOR
- HEAT DETECTOR
- PA CEILING SPEAKER
- SOUND SYSTEM SPEAKER. SEE AV DWGS.
- WIRELESS INTERNET HUB
- SPRINKLER HEAD. SEE F-DWGS.

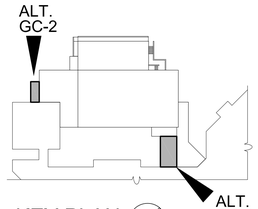
NOTE: 'X' INDICATES FIXTURE TYPE. SEE SPECIFICATIONS.

FLOOR FINISH LEGEND

- 18"x18" HOMOGENOUS VINYL TILE FLOORING. LAID IN CHECKER BOARD PATTERN. SEE FINISH SCHEDULE. (COLOR HVT-1 & HVT-2)
- 24"x24" HOMOGENOUS QUARTZ TILE FLOORING. SEE FINISH SCHEDULE. (BASE BID COLOR QT-1 & ALT. COLOR TZ-2)
- 24"x24" HOMOGENOUS QUARTZ ACCENT TILE FLOORING. SEE FINISH SCHEDULE. (BASE BID COLOR QT-2 & ALT. COLOR TZ-3)
- 24"x24" HOMOGENOUS QUARTZ ACCENT TILE FLOORING. SEE FINISH SCHEDULE. (BASE BID COLOR QT-3 & ALT. COLOR TZ-4)
- EPOXY FLOOR. SEE FINISH SCHEDULE.
- 12"x24" PORCELAIN FLOOR TILE (JOINTS @ 1/3 POINTS). SEE FINISH SCHEDULE.
- RUBBER FLOOR TILE. SEE FINISH SCHEDULE. (COLOR RST-1)
- ACOUSTICAL HOMOGENOUS SHEET FLOORING. SEE FINISH SCHEDULE.
- MARBLE SADDLE. SEE DOOR SEE DETAIL B/A701.
- WALK-OFF FLOOR MAT. SEE DETAIL 6/A651.

1 4 2 3 WALL INDICATIONS ON FINISH SCHEDULE

NOTE: 1. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION



KEY PLAN
SCALE N.T.S.

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION/RENOVATION
REFECTORIUM & KITCHEN INTERIOR
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
ALTERNATE GC-2
FOUNDATION PLANS, REFLECTED CEILING PLANS & FINISH PLANS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A111
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 9:45am

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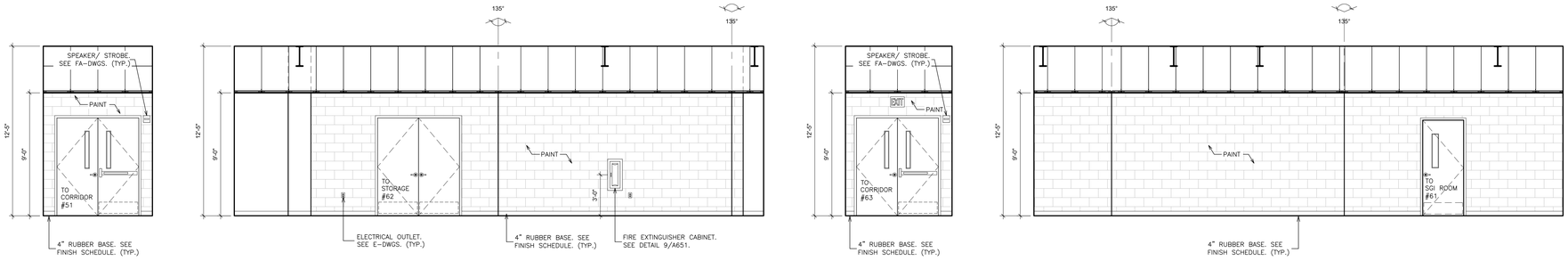
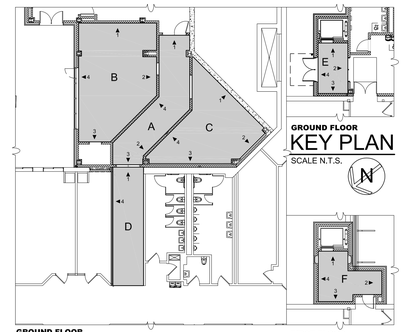
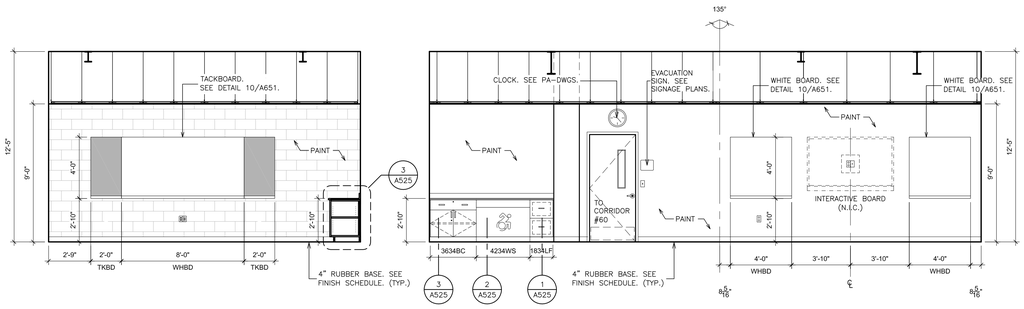


ELEVATION 1 ELEVATION 2 ELEVATION 3 ELEVATION 4

A ALTERNATE GC-1 ELEVATIONS - CORRIDOR #60

SCALE: 1/4" = 1'-0"

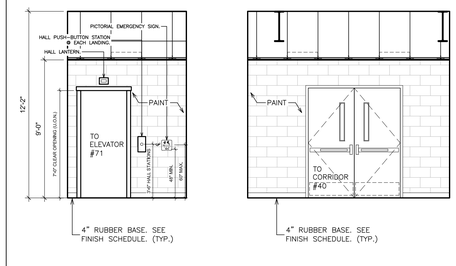




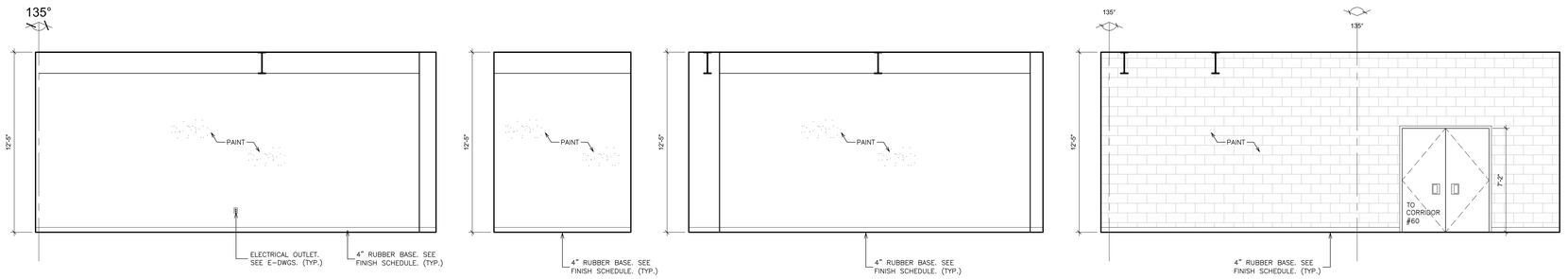
ELEVATION 1 ELEVATION 2 ELEVATION 3 ELEVATION 4

B ALTERNATE GC-1 ELEVATIONS - SGI ROOM #61

SCALE: 1/4" = 1'-0"



ELEVATION 1 ELEVATION 2



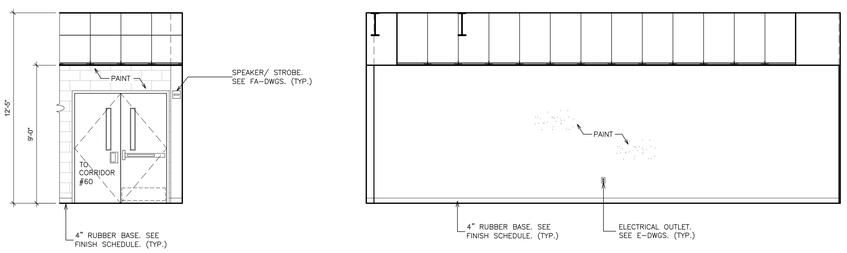
ELEVATION 1 ELEVATION 2 ELEVATION 3 ELEVATION 4

C ALTERNATE GC-1 ELEVATIONS - STORAGE ROOM #62

SCALE: 1/4" = 1'-0"

E ALTERNATE GC-2 ELEVATIONS - VESTIBULE #70

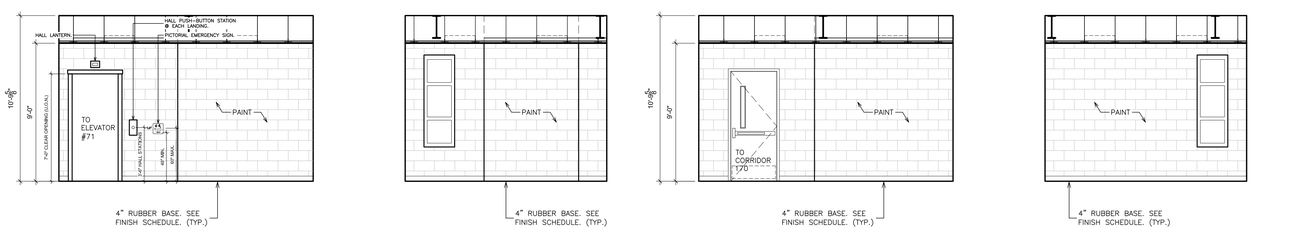
SCALE: 1/4" = 1'-0"



ELEVATION 1 ELEVATION 4

D ALTERNATE GC-1 ELEVATIONS - CORRIDOR #63

SCALE: 1/4" = 1'-0"



ELEVATION 1 ELEVATION 2 ELEVATION 3 ELEVATION 4

F ALTERNATE GC-2 ELEVATIONS - VESTIBULE #182

SCALE: 1/4" = 1'-0"

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S.E.D. CONTROL NUMBER: 48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION INTERIOR
RENOVATIONS & EXISTING CAFETERIA CONVERSION
20 FARM TO MARKET ROAD BREWSTER, NY 10509

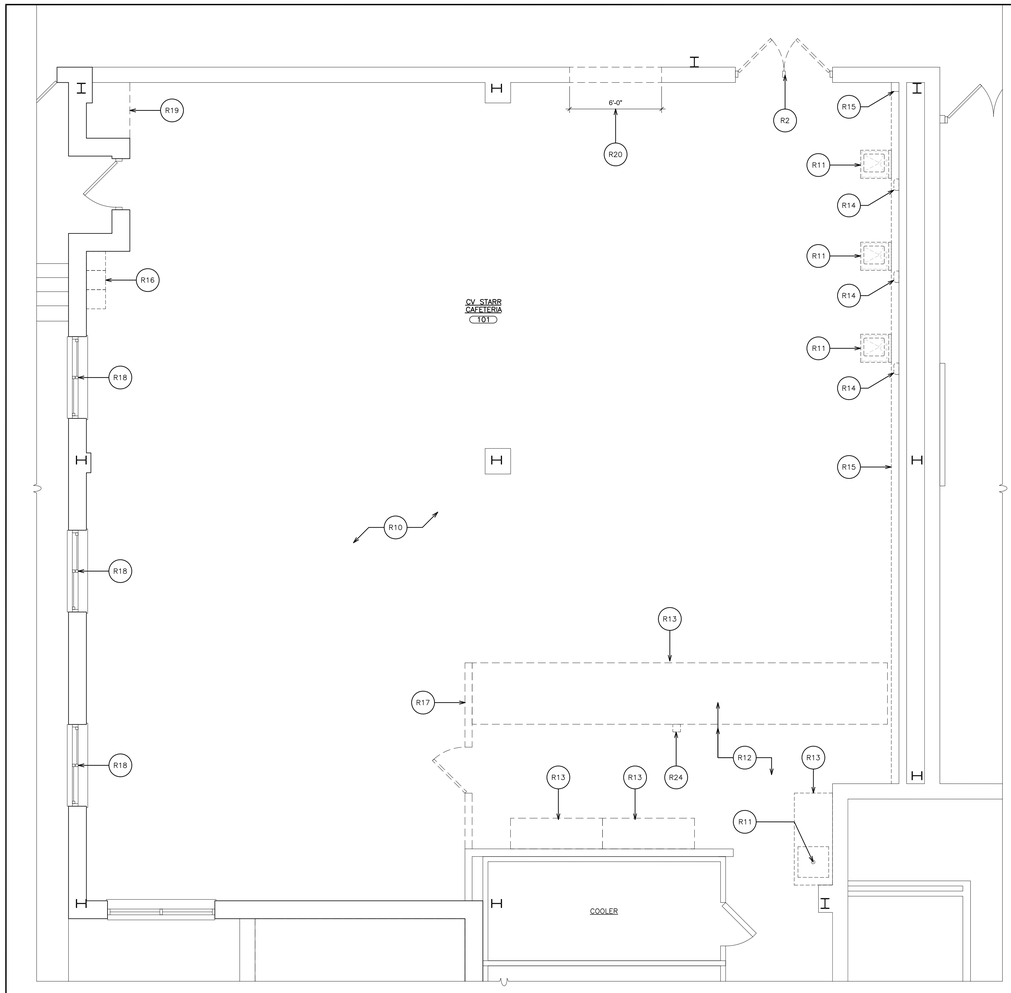
DRAWING TITLE
ALTERNATE GC-1 & ALTERNATE GC-2
INTERIOR ELEVATIONS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
06-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A112
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

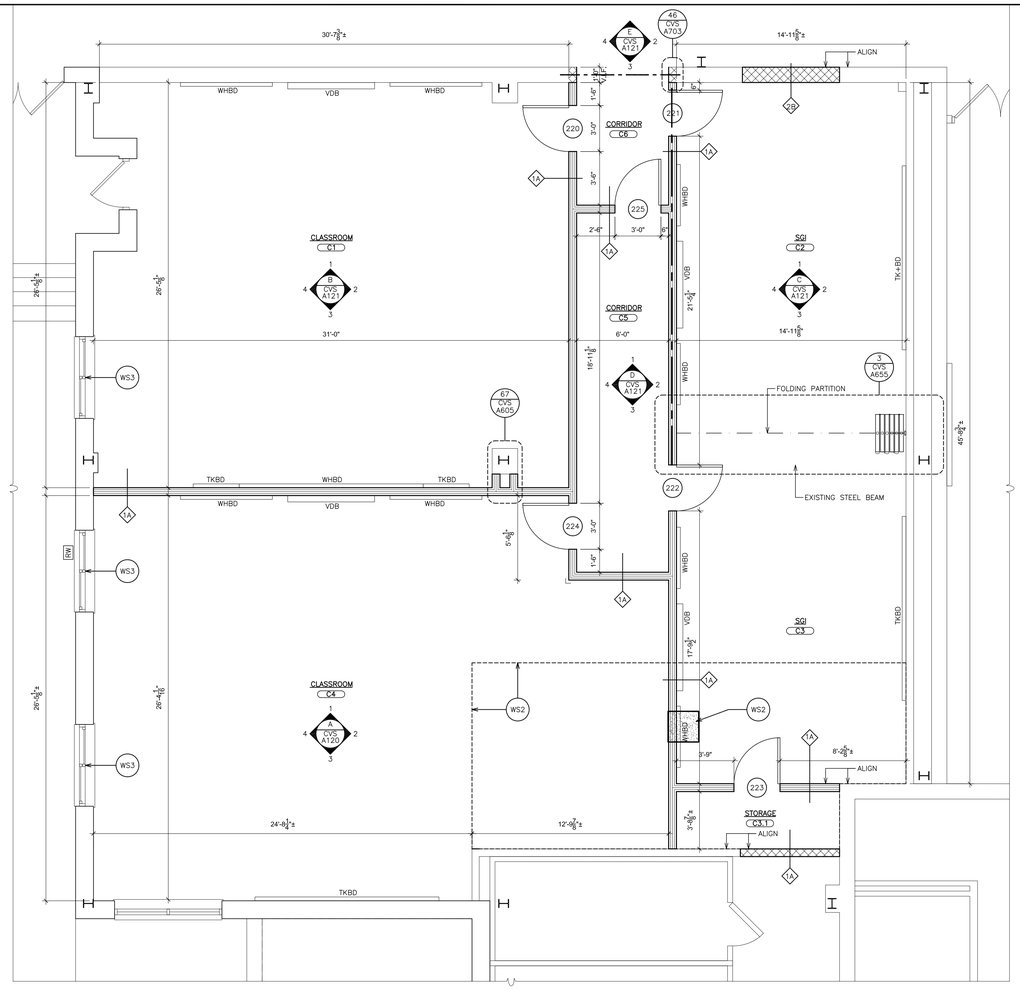
PLOT DATE: December 05, 2024 - 9:43am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A112.dwg



1 PARTIAL FIRST FLOOR REMOVAL PLAN
SCALE: 1/4" = 1'-0"

0 2' 4' 8' 16'



2 PARTIAL FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"

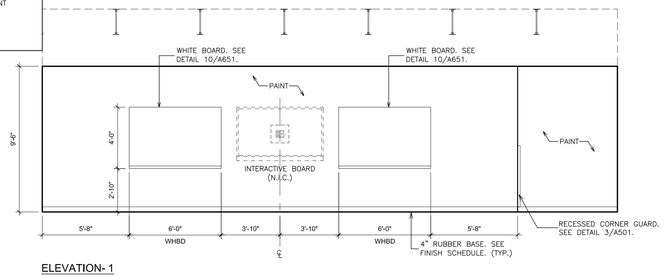
0 2' 4' 8' 16'

REMOVAL NOTES:

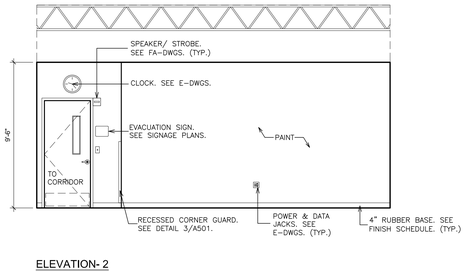
- R1 REMOVE EXISTING CURTAIN WALL SYSTEM, SUN SHADES, GLAZING, TRIM, ANCHORS, CAST STONE SILL AND ALL RELATED ITEMS.
- R2 REMOVE EXISTING DOOR, FRAME, HARDWARE, THRESHOLD, SEALANTS AND ALL RELATED ITEMS. EXISTING LINTEL TO REMAIN.
- R3 REMOVE EXISTING STEEL FRAMED CANOPY, CLADDING, FLASHING, SEALANTS AND ALL RELATED ITEMS. EXISTING STEEL TUBE LINTEL TO REMAIN.
- R4 REMOVE PORTION OF EXISTING CURTAIN WALL SYSTEM, SUN SHADES AND ALL RELATED ITEMS TO ACCOMMODATE NEW MASONRY OPENING.
- R5 REMOVE EXISTING CONCRETE PAD.
- R6 REMOVE EXISTING DOOR AND REVERSE IN FRAME AS SHOWN ON CONSTRUCTION DOCUMENTS.
- R7 REMOVE EXISTING ALUMINUM SLIDING WINDOW UNIT, EXTRUDED SILL, SEALANTS AND ALL RELATED ITEMS.
- R8 REMOVE PORTION OF EXISTING STOREFRONT SYSTEM AND ALL RELATED ITEMS TO ACCOMMODATE NEW MASONRY OPENING.
- R9 REMOVE PORTION OF EXISTING ALUMINUM GUTTER, BRACKETS, FASTENERS AND ALL RELATED ITEMS. RE-SLOPE TO EXISTING LEADERS.
- R10 REMOVE EXISTING VCT FLOOR TILE (MULTIPLE LAYERS MAY EXIST), WALL BASE, TRANSITION STRIPS, MASTIC AND SUBSTRATE DOWN TO EXISTING SLAB. MECHANICALLY PROFILE 100% OF EXISTING FLOOR SLAB FOR NEW FLOOR FINISHES.
- R11 EXISTING SINK AND PIPING TO BE REMOVED BY P-CONTRACTOR.
- R12 REMOVE EXISTING QUARRY TILE, BASE, SETTING BED, LEVELING BED DOWN TO EXISTING SLAB.
- R13 REMOVE EXISTING FOOD SERVICE EQUIPMENT.
- R14 REMOVE EXISTING PAPER TOWEL DISPENSERS.
- R15 REMOVE EXISTING PIPE ENCLOSURE.
- R16 REMOVE EXISTING METAL LOCKERS AND BASE.
- R17 REMOVE EXISTING CMU PARTITION FROM SLAB TO ROOF DECK ABOVE. GRIND DOWN ANY HIGH SPOTS.
- R18 REMOVE EXISTING WINDOW TREATMENTS.
- R19 REMOVE EXISTING CASEWORK.
- R20 SAW-CUT AND REMOVE PORTION OF CMU AND BRICK WALL. WORK IN A MANNER THAT PROVIDES CONTINUOUS SUPPORT TO MASONRY ABOVE.
- R21 REMOVE EXISTING SUSPENDED CEILING ASSEMBLY, INCLUDING CLIPS, HANGERS, WALL TRIM, BLACK IRON, PANELS AND ALL RELATED ITEMS.
- R22 EXISTING CEILING DEVICE TO BE REMOVED BY E-CONTRACTOR.
- R23 EXISTING DIFFUSER AND DUCTWORK TO BE REMOVED BY M-CONTRACTOR.
- R24 EXISTING FLOOR DRAIN TO BE REMOVED BY P-CONTRACTOR.
- R25 REMOVE PORTION OF EXISTING GYPSUM BOARD PARTITION FROM SLAB TO DECK ABOVE. GRIND DOWN ANY HIGH SPOTS.
- R26 REMOVE PORTION OF EXTERIOR WALL TO ACCOMMODATE NEW CORRIDOR.

WORK SCOPE NOTES:

- WS1 INSTALL CERAMIC WALL TILE TO MATCH EXISTING ADJACENT TILE.
- WS2 PROVIDE AND INSTALL SELF-LEVELING GROUT MATERIALS TO ALIGN ADJACENT FLOORS.
- WS3 PROVIDE AND INSTALL ROLLER SHADE ASSEMBLY. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.



ELEVATION- 1



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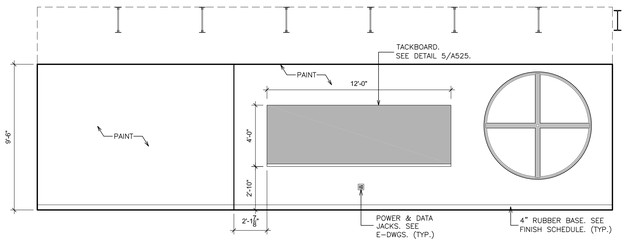
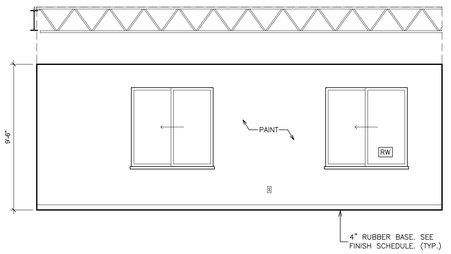


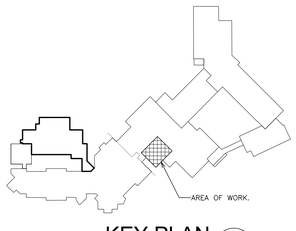
ELEVATION- 3



ELEVATION- 4

A INTERIOR ELEVATIONS - CLASSROOM C4
SCALE: 1/4" = 1'-0"

0 2' 4' 8' 16'



KEY PLAN
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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION/INTERIOR RENOVATIONS & ALTERATIONS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

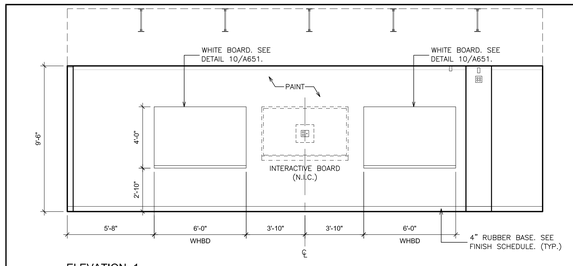
DRAWING TITLE
PARTIAL FIRST FLOOR REMOVAL PLAN, PARTIAL FIRST FLOOR PLAN & INTERIOR ELEVATIONS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

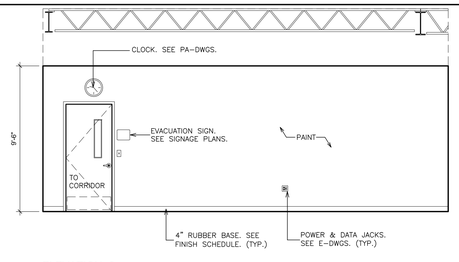
SHEET SIZE 30"x42"
DRAWING NO. CVS A120
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 9:58am

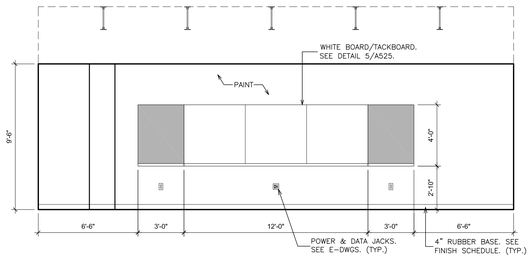
FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A120-121.dwg



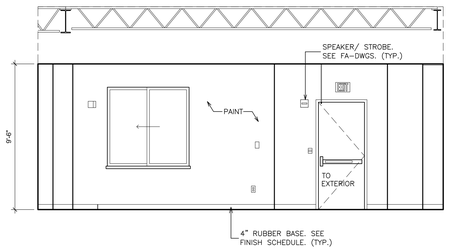
ELEVATION- 1



ELEVATION- 2



ELEVATION- 3

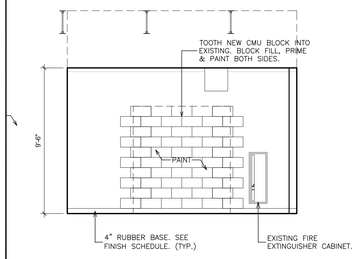


ELEVATION- 4

B INTERIOR ELEVATIONS - CLASSROOM C1

SCALE: 1/4" = 1'-0"

0 2' 4' 8' 16'



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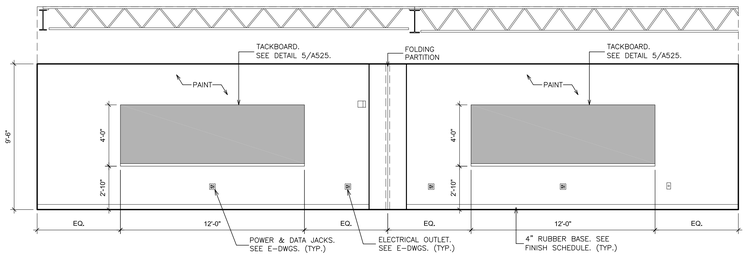

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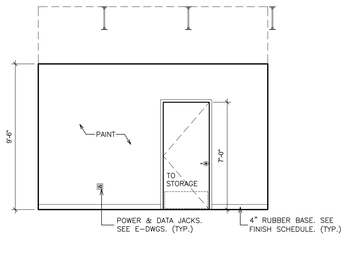
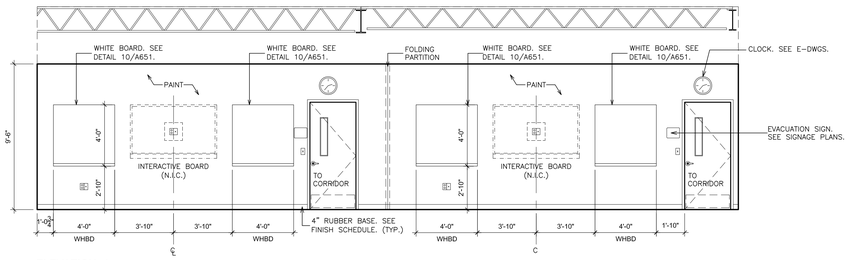


ELEVATION- 3

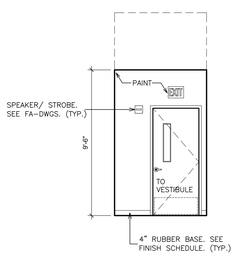


ELEVATION- 4

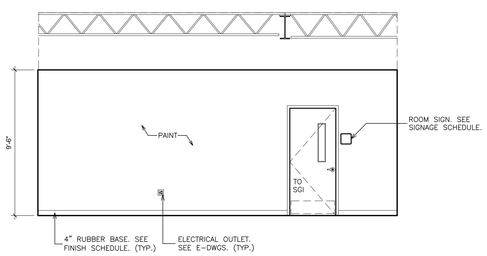
C INTERIOR ELEVATIONS - SGI ROOMS

SCALE: 1/4" = 1'-0"

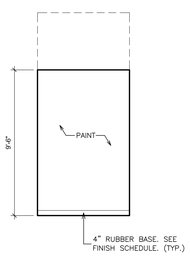
0 2' 4' 8' 16'



ELEVATION- 1



ELEVATION- 2



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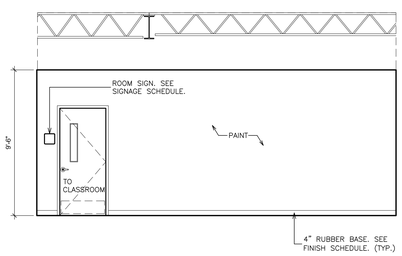


ELEVATION- 4

D INTERIOR ELEVATIONS - CORRIDOR

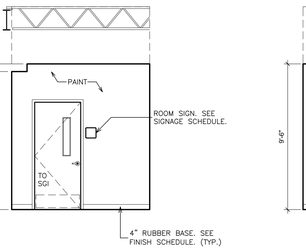
SCALE: 1/4" = 1'-0"

0 2' 4' 8' 16'

E INTERIOR ELEVATION - VESTIBULE

SCALE: 1/4" = 1'-0"

0 2' 4' 8' 16'



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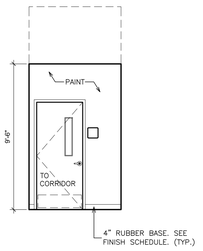
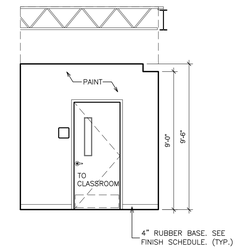
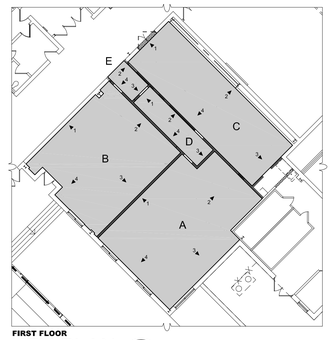


ELEVATION -3



ELEVATION - 4



FIRST FLOOR

KEY PLAN

SCALE N.T.S.

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

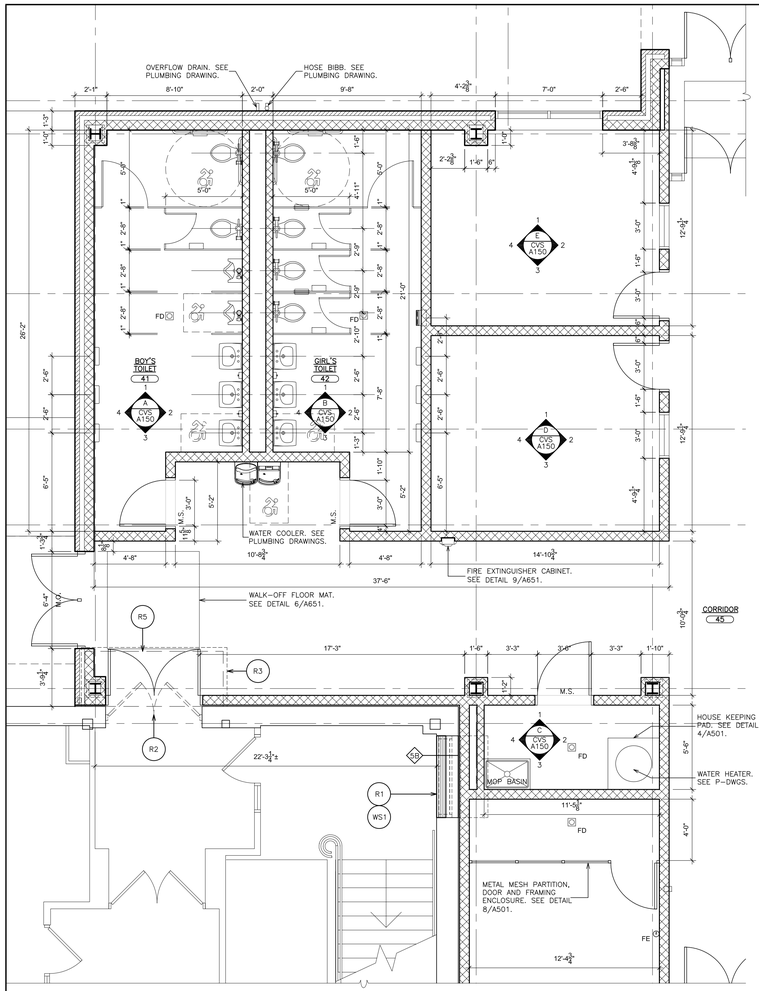
DRAWING TITLE
INTERIOR ELEVATIONS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A121
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 9:58am

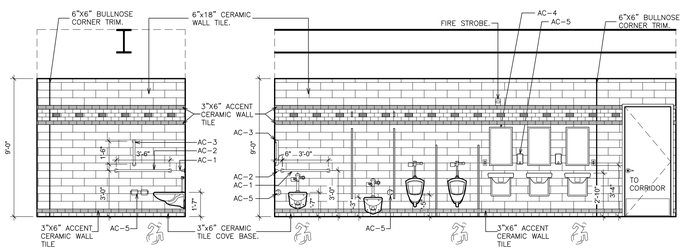
FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A120-121.dwg



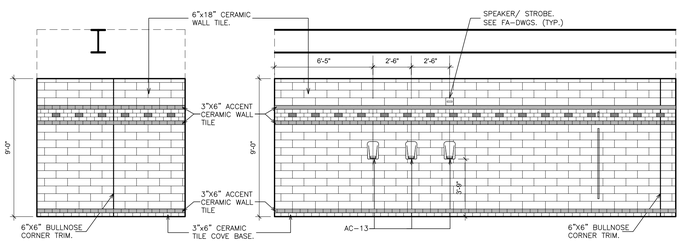
1 PARTIAL FIRST FLOOR PLAN

SCALE: 1/4" = 1'-0"

0 2' 4' 8' 16'



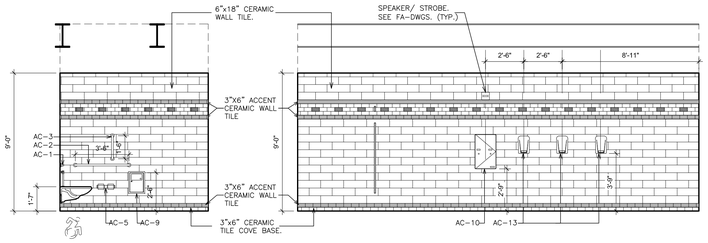
ELEVATION 1 ELEVATION 2



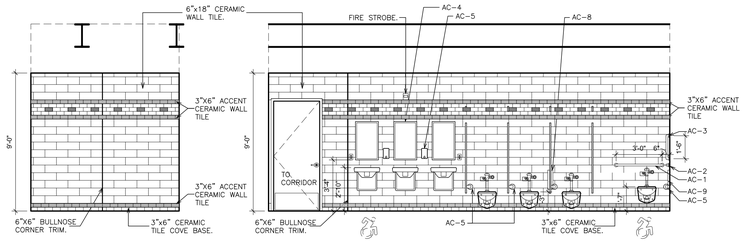
ELEVATION 3 ELEVATION 4

A INTERIOR ELEVATIONS - BOY'S TOILET 41

SCALE: 1/4" = 1'-0"



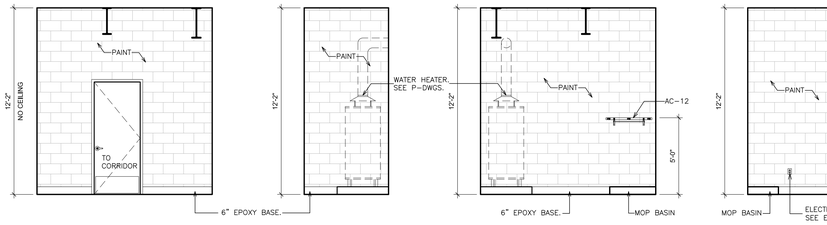
ELEVATION 1 ELEVATION 2



ELEVATION 3 ELEVATION 4

B INTERIOR ELEVATIONS - GIRL'S TOILET 42

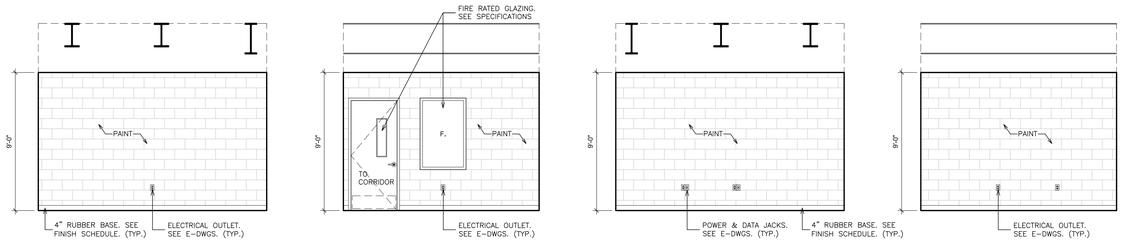
SCALE: 1/4" = 1'-0"



ELEVATION 1 ELEVATION 2 ELEVATION 3 ELEVATION 4

C INTERIOR ELEVATIONS - JANITOR'S CLOSET 46

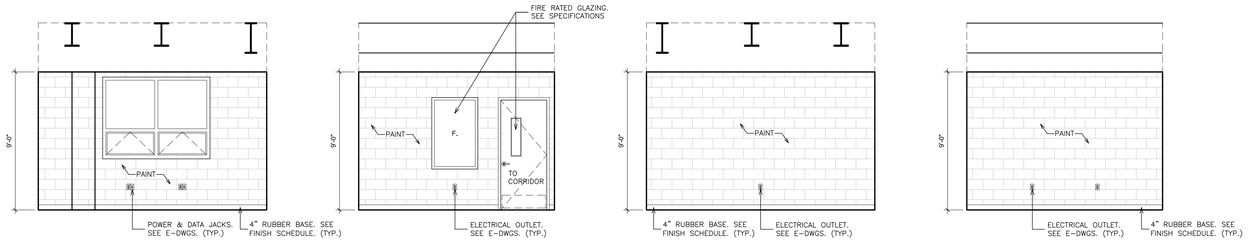
SCALE: 1/4" = 1'-0"



ELEVATION 1 ELEVATION 2 ELEVATION 3 ELEVATION 4

D INTERIOR ELEVATION - OFFICE #43

SCALE: 1/4" = 1'-0"



ELEVATION 1 ELEVATION 2 ELEVATION 3 ELEVATION 4

E INTERIOR ELEVATION - OFFICE #44

SCALE: 1/4" = 1'-0"

REMOVAL NOTES:

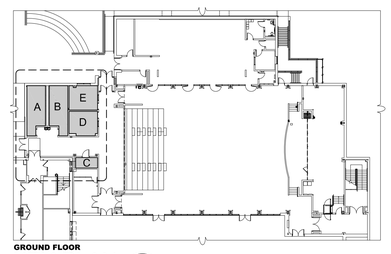
- R1 REMOVE EXISTING CURTAIN WALL SYSTEM, SUN SHADES, GLAZING, TRIM, ANCHORS, CAST STONE SILL AND ALL RELATED ITEMS.
- R2 REMOVE EXISTING DOOR, FRAME, HARDWARE, THRESHOLD, SEALANTS AND ALL RELATED ITEMS. EXISTING LINTEL TO REMAIN.
- R3 REMOVE EXISTING STEEL FRAMED CANOPY, CLADDING, FLASHING, SEALANTS AND ALL RELATED ITEMS. EXISTING STEEL TUBE LINTEL TO REMAIN.
- R4 REMOVE PORTION OF EXISTING CURTAIN WALL SYSTEM, SUN SHADES AND ALL RELATED ITEMS TO ACCOMMODATE NEW MASONRY OPENING.
- R5 REMOVE EXISTING CONCRETE PAD.
- R6 REMOVE EXISTING DOOR AND REVERSE IN FRAME AS SHOWN ON CONSTRUCTION DOCUMENTS.
- R7 REMOVE EXISTING ALUMINUM SLIDING WINDOW UNIT, EXTRUDED SILL, SEALANTS AND ALL RELATED ITEMS.
- R8 REMOVE PORTION OF EXISTING STOREFRONT SYSTEM AND ALL RELATED ITEMS TO ACCOMMODATE NEW MASONRY OPENING.
- R9 REMOVE PORTION OF EXISTING ALUMINUM GUTTER, BRACKETS, FASTENERS AND ALL RELATED ITEMS. RE-SLOPE TO EXISTING LEADERS.
- R10 REMOVE EXISTING VCT FLOOR TILE (MULTIPLE LAYERS MAY EXIST), WALL BASE, TRANSITION STRIPS, MASTIC AND SUBSTRATE DOWN TO EXISTING SLAB. MECHANICALLY PROFILE 100% OF EXISTING FLOOR SLAB FOR NEW FLOOR FINISHES.
- R11 EXISTING SINK AND PIPING TO BE REMOVED BY P-CONTRACTOR.
- R12 REMOVE EXISTING QUARRY TILE, BASE, SETTING BED, LEVELING BED DOWN TO EXISTING SLAB.
- R13 REMOVE EXISTING FOOD SERVICE EQUIPMENT.
- R14 REMOVE EXISTING PAPER TOWEL DISPENSERS.
- R15 REMOVE EXISTING PIPE ENCLOSURE.
- R16 REMOVE EXISTING METAL LOCKERS AND BASE.
- R17 REMOVE EXISTING CMU PARTITION FROM SLAB TO ROOF DECK ABOVE. GRIND DOWN ANY HIGH SPOTS.
- R18 REMOVE EXISTING WINDOW TREATMENTS.
- R19 REMOVE EXISTING CASEWORK.
- R20 SAW-CUT AND REMOVE PORTION OF CMU AND BRICK WALL. WORK IN A MANNER THAT PROVIDES CONTINUOUS SUPPORT TO MASONRY ABOVE.
- R21 REMOVE EXISTING SUSPENDED CEILING ASSEMBLY, INCLUDING CLIPS, HANGERS, WALL TRIM, BLACK IRON, PANELS AND ALL RELATED ITEMS.
- R22 EXISTING CEILING DEVICE TO BE REMOVED BY E-CONTRACTOR.
- R23 EXISTING DIFFUSER AND DUCTWORK TO BE REMOVED BY M-CONTRACTOR.
- R24 EXISTING FLOOR DRAIN TO BE REMOVED BY P-CONTRACTOR.
- R25 REMOVE PORTION OF EXISTING GYPSUM BOARD PARTITION FROM SLAB TO DECK ABOVE. GRIND DOWN ANY HIGH SPOTS.
- R26 REMOVE PORTION OF EXTERIOR WALL TO ACCOMMODATE NEW CORRIDOR.

ACCESSORY SCHEDULE

AC-1	GRAB BAR 36"	BOBRICK	#B-5806-36.99
AC-2	GRAB BAR 42"	BOBRICK	#B-5806-42.99
AC-3	GRAB BAR 18"	BOBRICK	#B-5806-18.99
AC-4	MIRROR 18"X30"	BOBRICK	#B-2908
AC-5	TOILET TISSUE DISPENSER	(PROVIDE BY OWNER, INSTALLED BY G.C.)	
AC-6	LIQUID SOAP DISPENSER	(PROVIDE BY OWNER, INSTALLED BY G.C.)	
AC-7	PAPER TOWEL DISPENSER	(PROVIDE BY OWNER, INSTALLED BY G.C.)	
AC-8	PARTITION MOUNTED SANITARY NAPKIN DISPOSAL	BOBRICK	#B-354
AC-9	RECESSED SANITARY NAPKIN DISPOSAL	BOBRICK	#B-353
AC-10	SEMI-RECESSED TAMPON VENDOR	BOBRICK	#B-47064C
AC-11	LAVATORY PROTECTIVE ENCLOSURE	TRU-BRO	LAV-SHIELD
AC-12	UTILITIES SHELF WITH MOP/BROOM HOLDER & RAG HOOKS	BOBRICK	#B-224
AC-13	ELECTRIC HAND DRYER	EXCEL DRYER INC.	TA-SB-110/120V

WORK SCOPE NOTES:

- WS1 INSTALL CERAMIC WALL TILE TO MATCH EXISTING ADJACENT TILE.
- WS2 PROVIDE AND INSTALL SELF-LEVELING GROUT MATERIALS TO ALIGN ADJACENT FLOORS.
- WS3 PROVIDE AND INSTALL ROLLER SHADE ASSEMBLY. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.



GROUND FLOOR

KEY PLAN

SCALE N.T.S.

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WWW.FULLERDANGELO.COM

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTRACT NUMBER:

48-06-01-06-0-001-026

PROJECT TITLE
REMOVATE CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR
RENOVATIONS & SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
CAFETORIUM BUILDING
BOY'S AND GIRL'S TOILETS PLAN AND INTERIOR ELEVATIONS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A150
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:34am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A150-.dwg

DRY STORAGE
508

KITCHEN
50

ELEC.
501

CORRIDOR
45

CAFETORIUM
49

T.O. SLAB
EL.520.50'

B.O. STAIR
EL.520.45'

T.O. SLAB
EL.522.95'

STAGE/
MUSIC ROOM
49A

T.O. STAGE
EL.523.00'

VESTIBULE
48

COURTYARD
39'-0"

CORRIDOR
51

STAIR
52

LIFT

AREA OF REFUGE

AREA OF REFUGE

WALL MOUNTED PARTITION SAFETY SENSOR

RECESSED SECONDARY KEY-CONTROL STATION FOR FOLDING PARTITION

WALL MOUNTED PARTITION SAFETY SENSOR

PRIMARY KEY-CONTROL STATION FOR FOLDING PARTITION

PROJECTION SCREEN

STAGE CURTAINS & RIGGING. SEE DRAWING CVS-A656.

STAGE CURTAIN

ELECTRICAL DISCONNECT SWITCH.

TELESCOPING SEATING (N.I.C.).

LINE OF ALTERNATE GC-1. SEE DRAWINGS A110.

1 CAFETORIUM PLAN
SCALE: 1/4" = 1'-0"

0 2' 4' 8' 16'

KEY PLAN
SCALE N.T.S.

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR
RENOVATIONS & SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

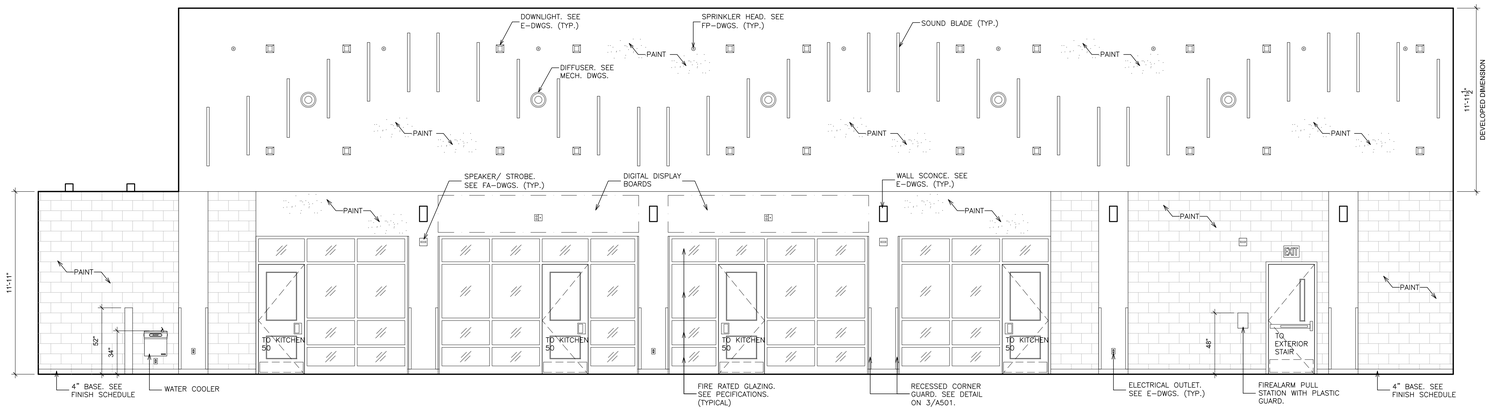
DRAWING TITLE
CAFETORIUM - ENLARGED PLAN

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

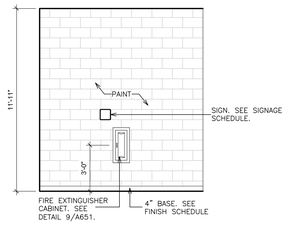
SHEET SIZE 30"x42"
DRAWING NO. CVS A160
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:26am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A160-162 Cafe & Stage Int Elev.dwg



ELEVATION - 1



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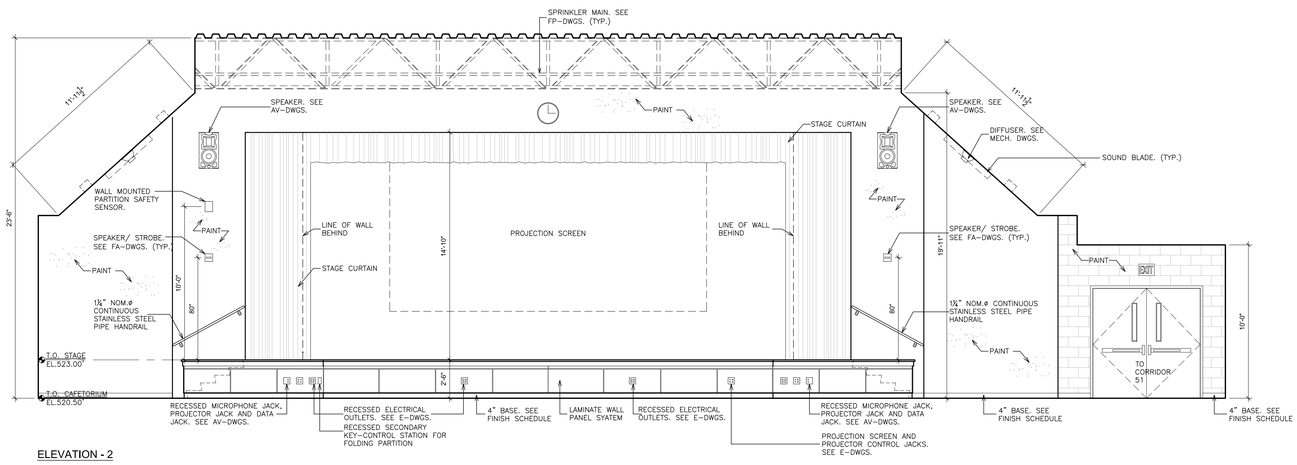

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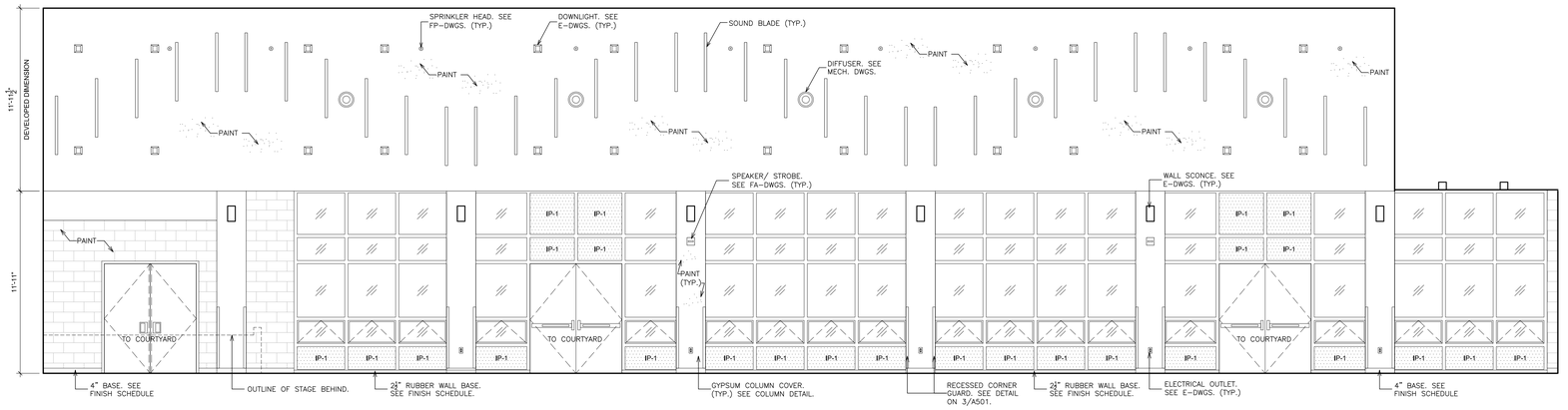

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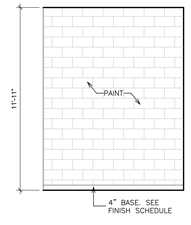
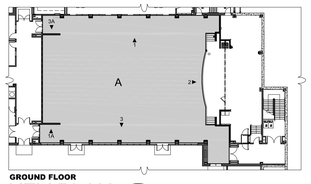


ELEVATION - 3A



GROUND FLOOR
KEY PLAN
SCALE N.T.S.

(A) INTERIOR ELEVATION - CAFETORIUM

SCALE: 1/4" = 1'-0"

0 2' 4' 8' 16'

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR
RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

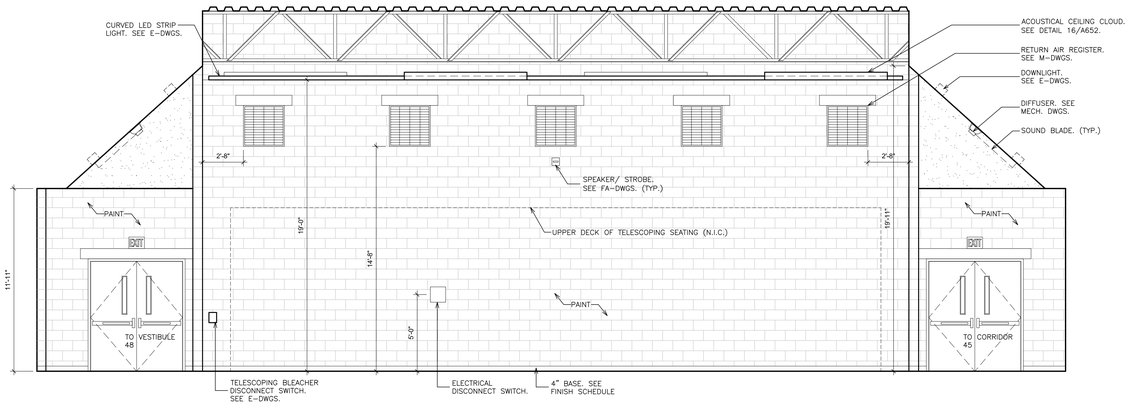
DRAWING TITLE
INTERIOR ELEVATIONS - CAFETORIUM AND STAGE

12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE 30"x42"	DRAWING NO. CVS A161
SCALE AS NOTED	
DRAWN BY	FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:26am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A160-162 Cafe & Stage Int Elev.dwg



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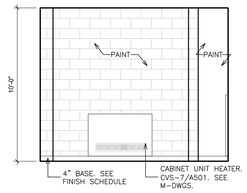
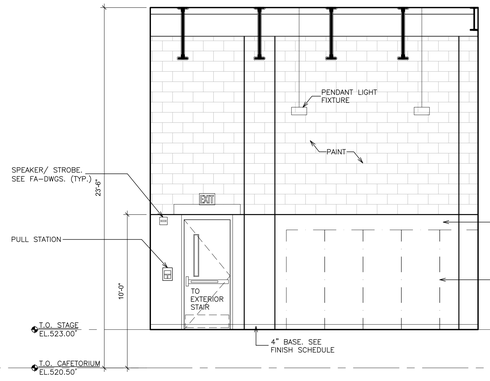


ELEVATION - 4A

A INTERIOR ELEVATION - CAFETORIUM

SCALE: 1/4" = 1'-0"

0 2' 4' 8' 16'



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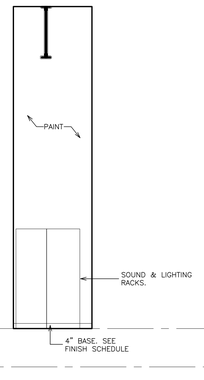

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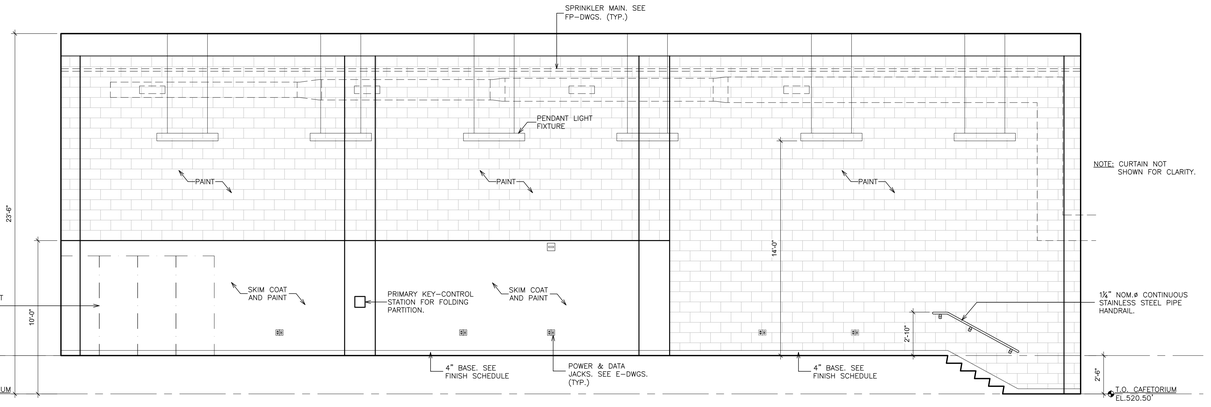

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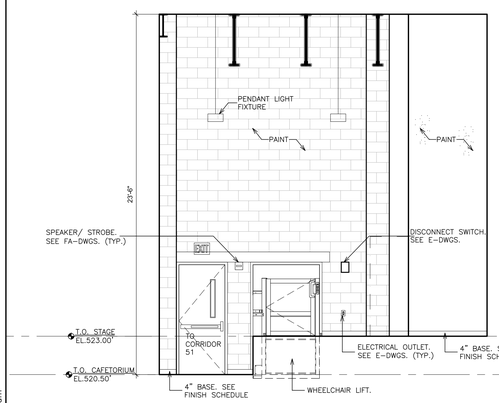
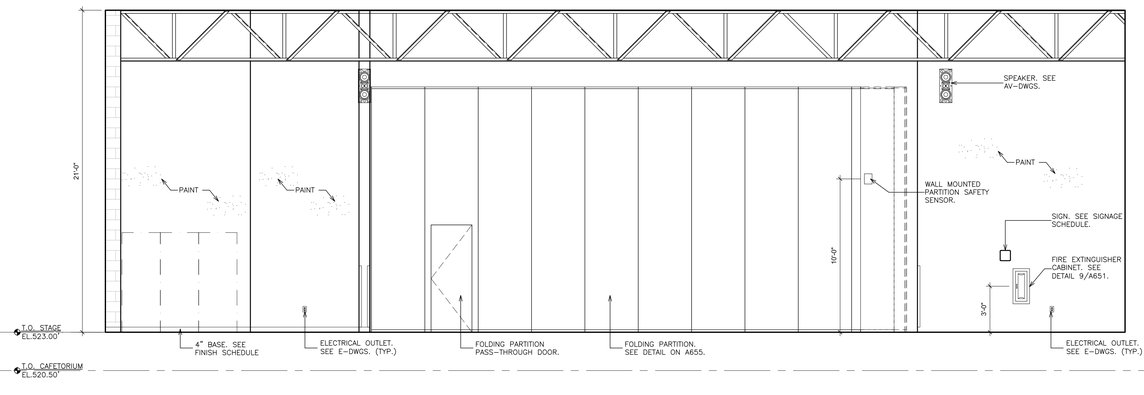


ELEVATION - 3

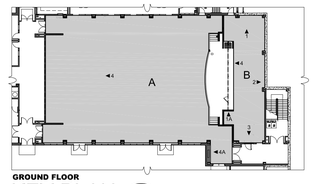


ELEVATION - 4

B INTERIOR ELEVATION - STAGE

SCALE: 1/4" = 1'-0"

0 2' 4' 8' 16'



GROUND FLOOR

KEY PLAN

SCALE N.T.S.

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION/INTERIOR RENOVATIONS AND ALTERATIONS
25 FARM TO MARKET ROAD BREWSTER, NY 10509

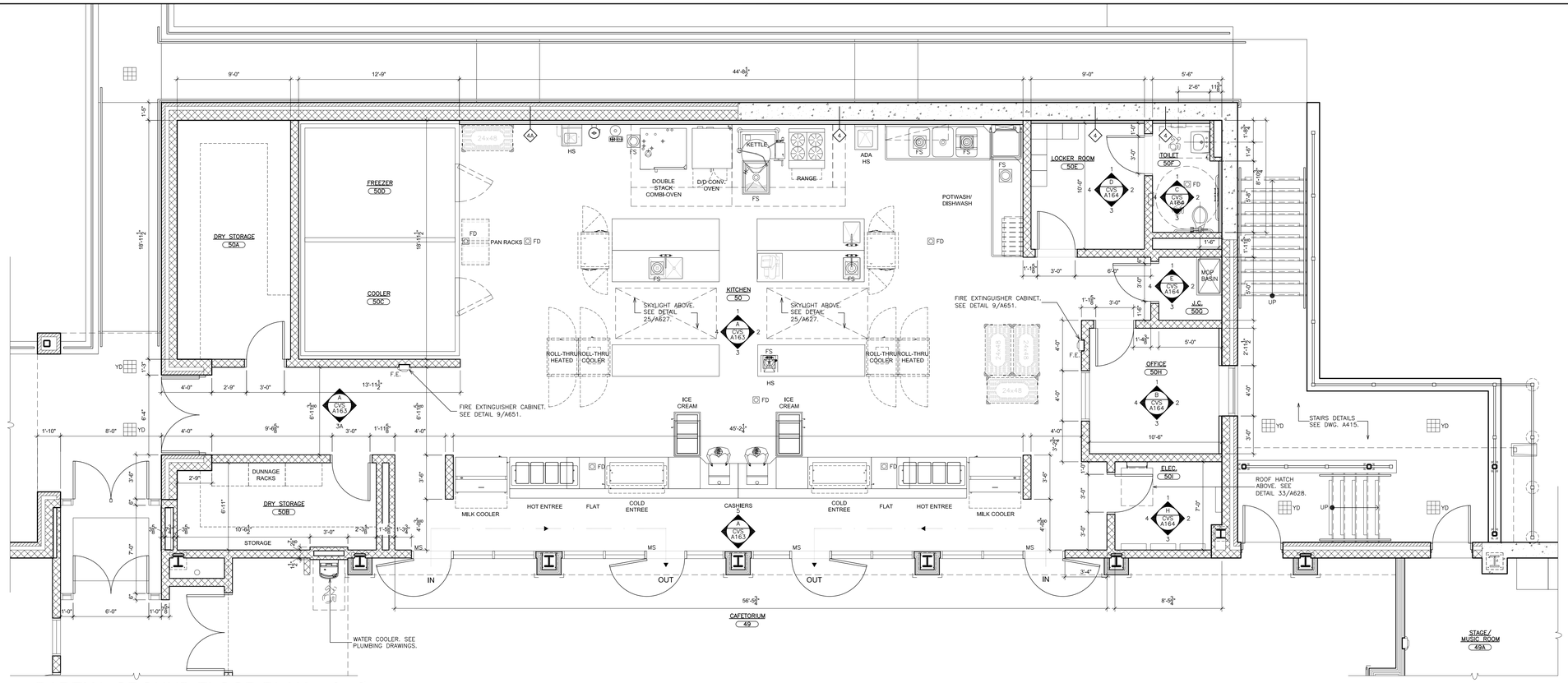
DRAWING TITLE
INTERIOR ELEVATIONS - CAFETORIUM AND STAGE

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A162
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

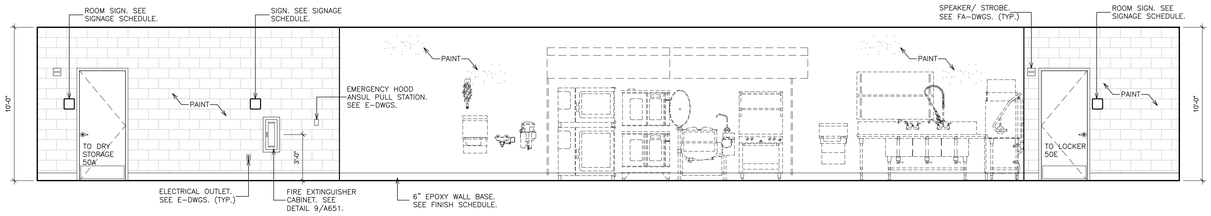
PLOT DATE: December 05, 2024 - 10:26am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A160-162 Cafe & Stage Int Elev.dwg

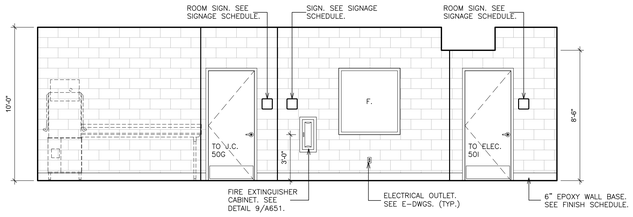


1 PARTIAL GROUND FLOOR PLAN
SCALE: 1/4" = 1'-0"

NOTE: SEE FOOD SERVICE DWGS. FOR ADDITIONAL INFORMATION.



ELEVATION 1



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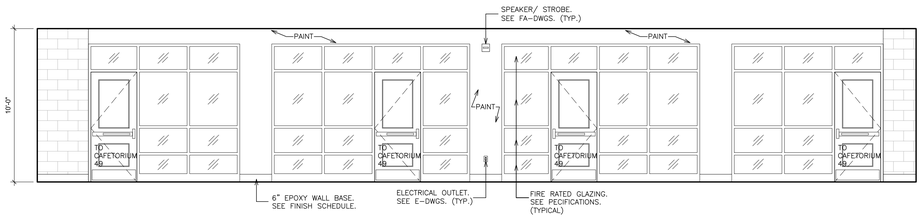
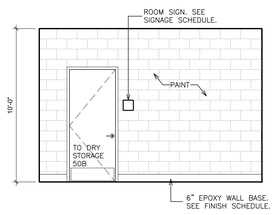
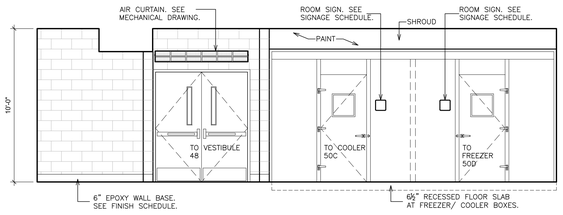


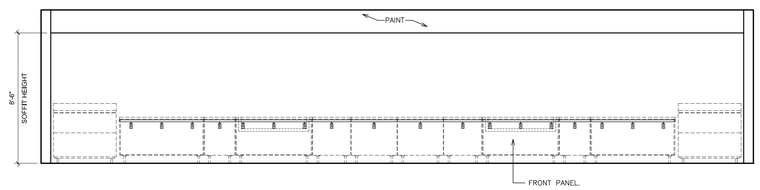


ELEVATION 3A



ELEVATION 4

A INTERIOR ELEVATION - KITCHEN
SCALE: 1/4" = 1'-0"



ELEVATION 5

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KEY PLAN
SCALE N.T.S.

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION/INTERIOR RENOVATIONS & ATHLETIC WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
KITCHEN AREA - PLAN AND INTERIOR ELEVATIONS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
06-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A163
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:18am

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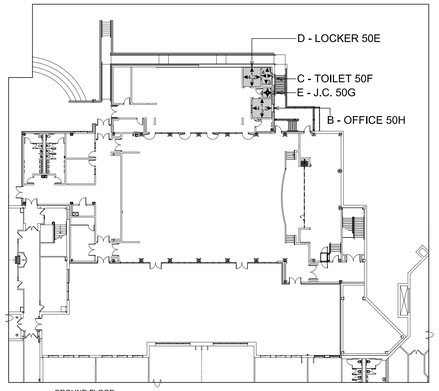


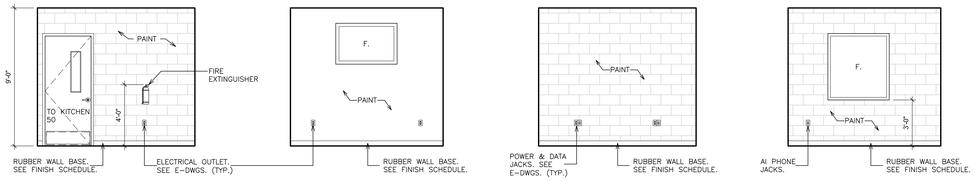
GROUND FLOOR

KEY PLAN

SCALE N.T.S.

ACCESSORY SCHEDULE

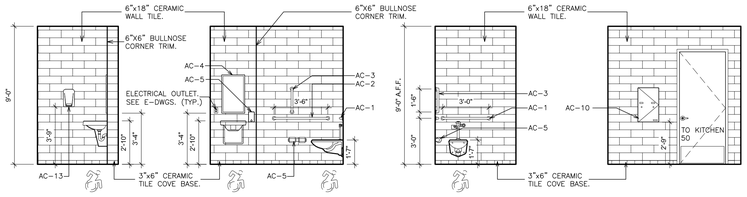
AC-1	GRAB BAR 36"	BOBRICK	#B-5806-36.99
AC-2	GRAB BAR 42"	BOBRICK	#B-5806-42.99
AC-3	GRAB BAR 18"	BOBRICK	#B-5806-18.99
AC-4	MIRROR 18"X30"	BOBRICK	#B-2908
AC-5	TOILET TISSUE DISPENSER	(PROVIDE BY OWNER, INSTALLED BY G.C.)	
AC-6	LIQUID SOAP DISPENSER	(PROVIDE BY OWNER, INSTALLED BY G.C.)	
AC-7	PAPER TOWEL DISPENSER	(PROVIDE BY OWNER, INSTALLED BY G.C.)	
AC-8	PARTITION MOUNTED SANITARY NAPKIN DISPOSAL	BOBRICK	#B-354
AC-9	RECESSED SANITARY NAPKIN DISPOSAL	BOBRICK	#B-353
AC-10	SEMI-RECESSED TAMPON VENDOR	BOBRICK	#B-47064C
AC-11	LAVATORY PROTECTIVE ENCLOSURE	TRU-BRO	LAV-SHIELD
AC-12	UTILITIES SHELF WITH MOP/BROOM HOLDER & RAG HOOKS	BOBRICK	#B-224
AC-13	ELECTRIC HAND DRYER	EXCEL DRYER INC.	TA-SB-110/120V



ELEVATION 1 | ELEVATION 2 | ELEVATION 3 | ELEVATION 4

B INTERIOR ELEVATION - OFFICE 50H

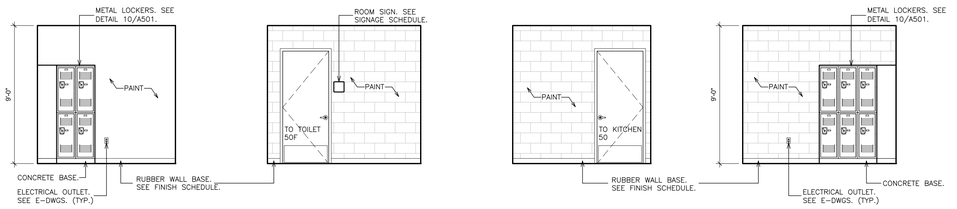
SCALE: 1/4" = 1'-0"



ELEVATION 1 | ELEVATION 2 | ELEVATION 3 | ELEVATION 4

C INTERIOR ELEVATION - TOILET 50F

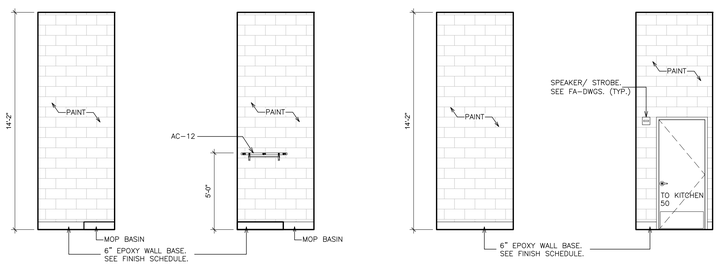
SCALE: 1/4" = 1'-0"



ELEVATION 1 | ELEVATION 2 | ELEVATION 3 | ELEVATION 4

D INTERIOR ELEVATION - LOCKER 50E

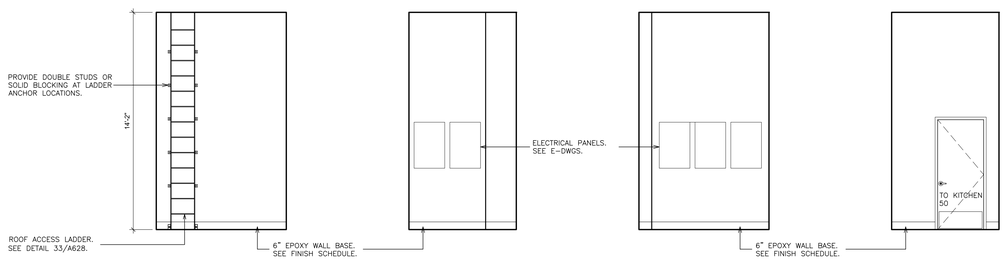
SCALE: 1/4" = 1'-0"



ELEVATION 1 | ELEVATION 2 | ELEVATION 3 | ELEVATION 4

E INTERIOR ELEVATION - J.C. 50G

SCALE: 1/4" = 1'-0"



ELEVATION 1 | ELEVATION 2 | ELEVATION 3 | ELEVATION 4

G INTERIOR ELEVATION - ELECTRICAL ROOM 50H

SCALE: 1/4" = 1'-0"

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

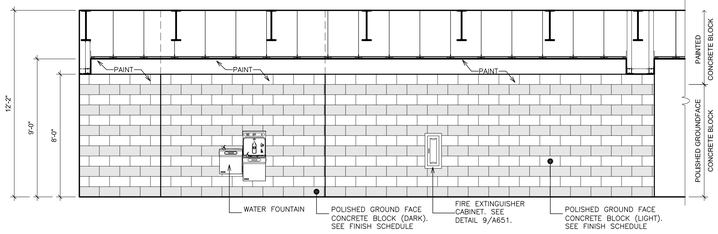
DRAWING TITLE
INTERIOR ELEVATIONS - KITCHEN AND OFFICES

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

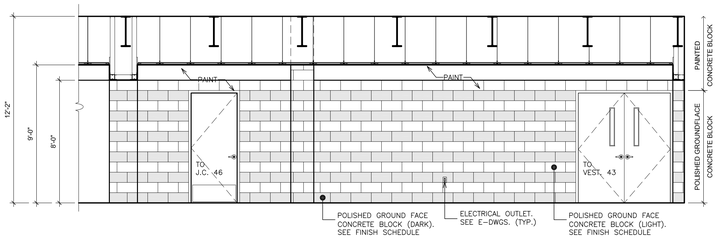
SHEET SIZE: 30"x42"
DRAWING NO.: CVS A164
SCALE: AS NOTED
DRAWN BY:
FILE NO.: 23505.02

PLOT DATE: December 05, 2024 - 10:18am

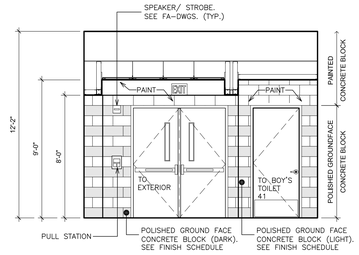
FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A163-164 Kitchen Int Elev.dwg



ELEVATION - 1



ELEVATION - 3



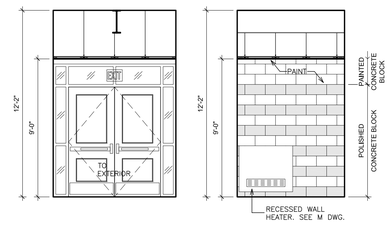
ELEVATION - 4

A INTERIOR ELEVATION - CORRIDOR 40

SCALE: 1/4" = 1'-0"

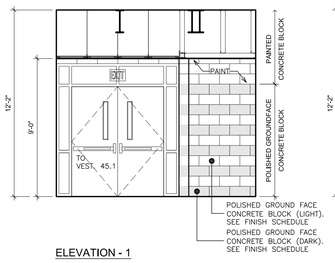
NOTE: POLISHED GROUND FACE CONCRETE BLOCK (ALTERNATE GC-5). BASE BID IS STANDARD CMU WITH PAINTED FINISH.

0 2' 4' 8' 16'

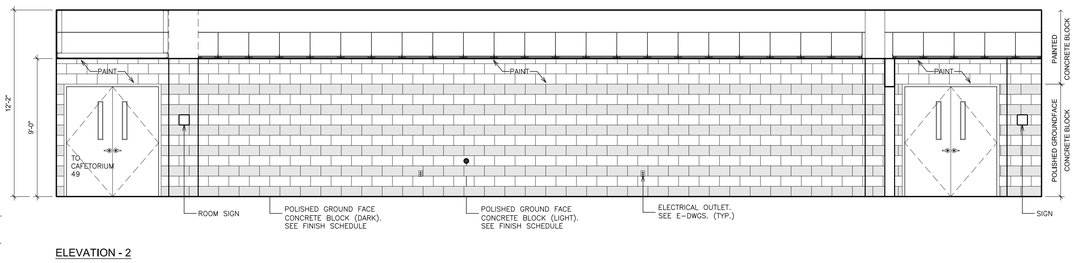


ELEVATION - 1 ELEVATION - 2

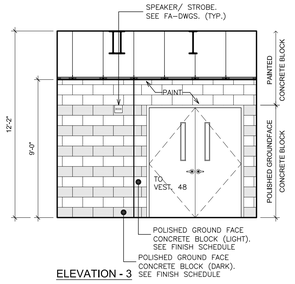
0 2' 4' 8' 16'



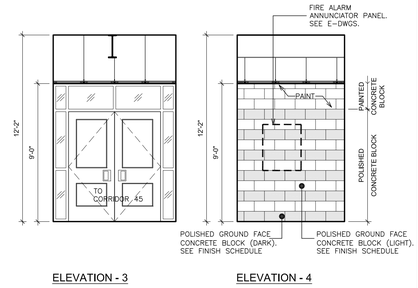
ELEVATION - 1



ELEVATION - 2



ELEVATION - 3

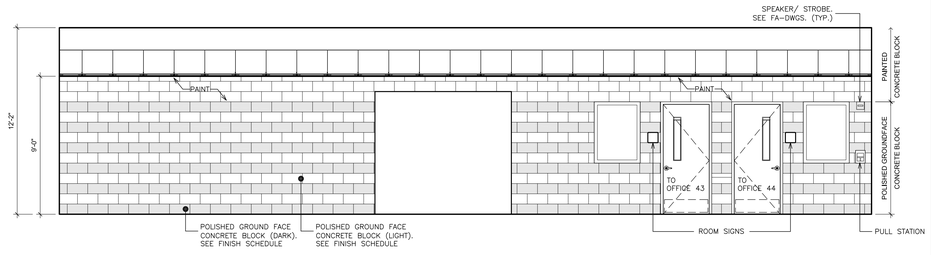


ELEVATION - 3 ELEVATION - 4

D INTERIOR ELEVATION - VEST. 45.1

SCALE: 1/4" = 1'-0"

NOTE: POLISHED GROUND FACE CONCRETE BLOCK (ALTERNATE GC-5). BASE BID IS STANDARD CMU WITH PAINTED FINISH.



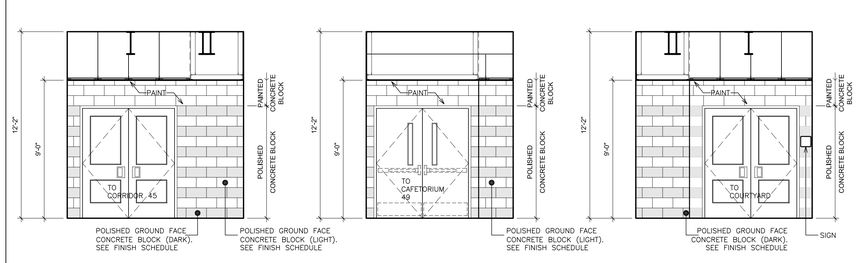
ELEVATION - 4

B INTERIOR ELEVATION - CORRIDOR 45

SCALE: 1/4" = 1'-0"

NOTE: POLISHED GROUND FACE CONCRETE BLOCK (ALTERNATE GC-5). BASE BID IS STANDARD CMU WITH PAINTED FINISH.

0 2' 4' 8' 16'



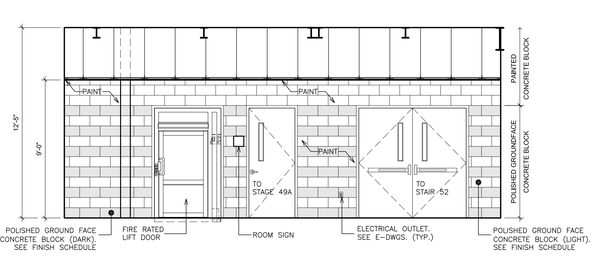
ELEVATION - 1 ELEVATION - 2 ELEVATION - 3 ELEVATION - 4

E INTERIOR ELEVATION - VESTIBULE 48

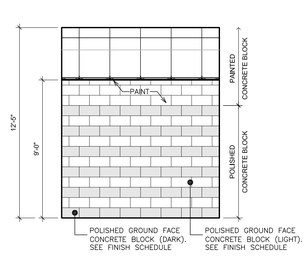
SCALE: 1/4" = 1'-0"

NOTE: POLISHED GROUND FACE CONCRETE BLOCK (ALTERNATE GC-5). BASE BID IS STANDARD CMU WITH PAINTED FINISH.

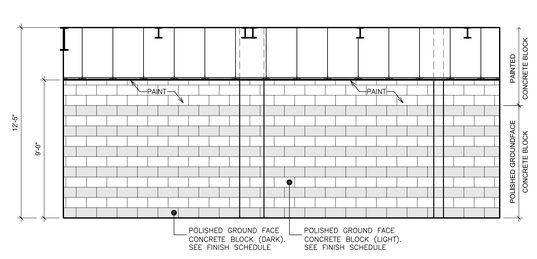
0 2' 4' 8' 16'



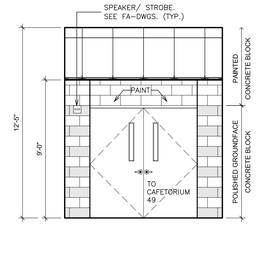
ELEVATION - 1



ELEVATION - 2



ELEVATION - 3



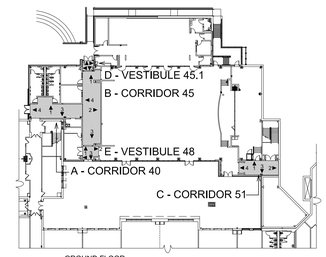
ELEVATION - 4

C INTERIOR ELEVATION - CORRIDOR 51

SCALE: 1/4" = 1'-0"

NOTE: POLISHED GROUND FACE CONCRETE BLOCK (ALTERNATE GC-5). BASE BID IS STANDARD CMU WITH PAINTED FINISH.

0 2' 4' 8' 16'



GROUND FLOOR

KEY PLAN

SCALE N.T.S.

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER: 48-06-01-06-0-001-026

PROJECT TITLE
PROPOSED CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION & INTERIOR RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
INTERIOR ELEVATIONS - CORRIDORS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"

DRAWING NO. CVS A180

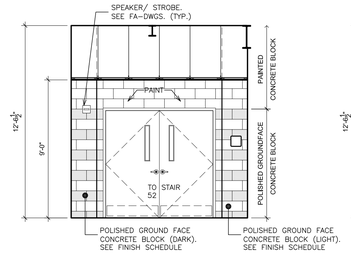
SCALE AS NOTED

DRAWN BY

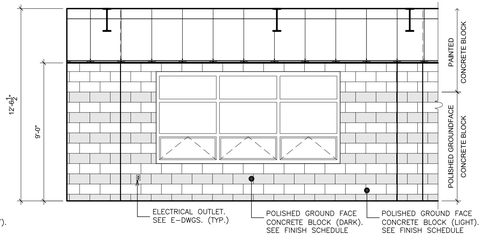
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:17am

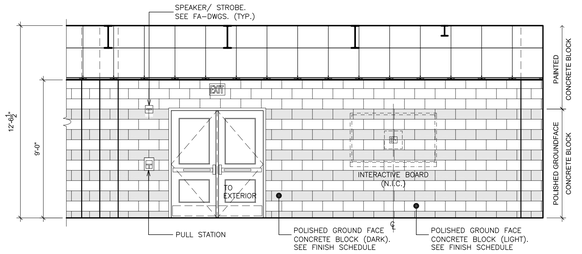
FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A180-181 Corridor Int Elev.dwg



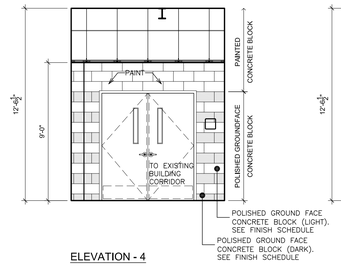
ELEVATION - 1



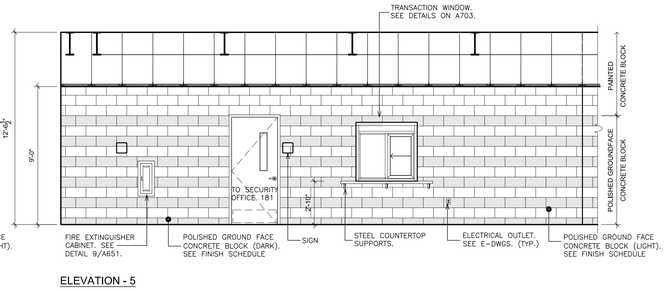
ELEVATION - 2



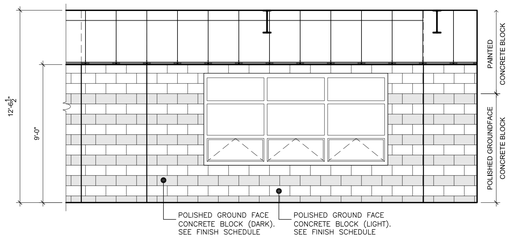
ELEVATION - 3



ELEVATION - 4



ELEVATION - 5



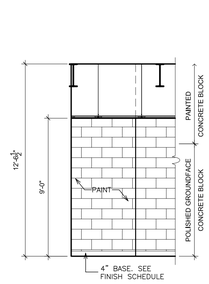
ELEVATION - 6

F INTERIOR ELEVATION - CORRIDOR 180

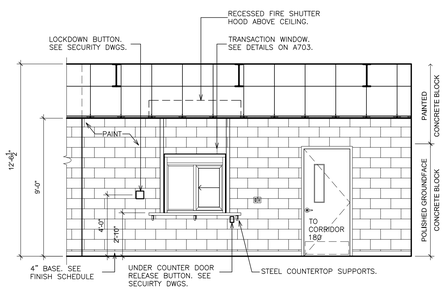
SCALE: 1/4" = 1'-0"

NOTE: POLISHED GROUND FACE CONCRETE BLOCK (ALTERNATE GC-5). BASE BID IS STANDARD CMU WITH PAINTED FINISH.

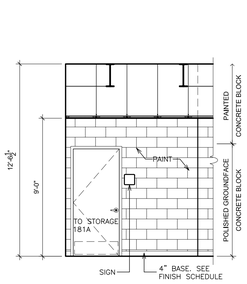
0 2' 4' 8' 16'



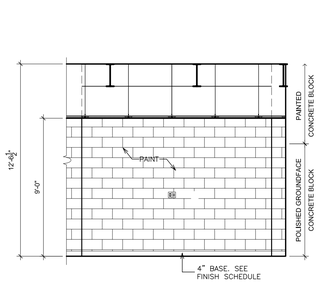
ELEVATION 1



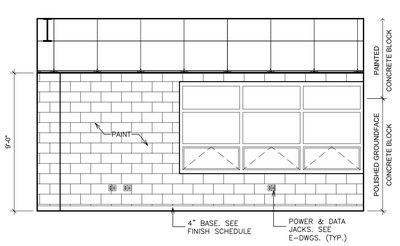
ELEVATION 2



ELEVATION 3



ELEVATION 4

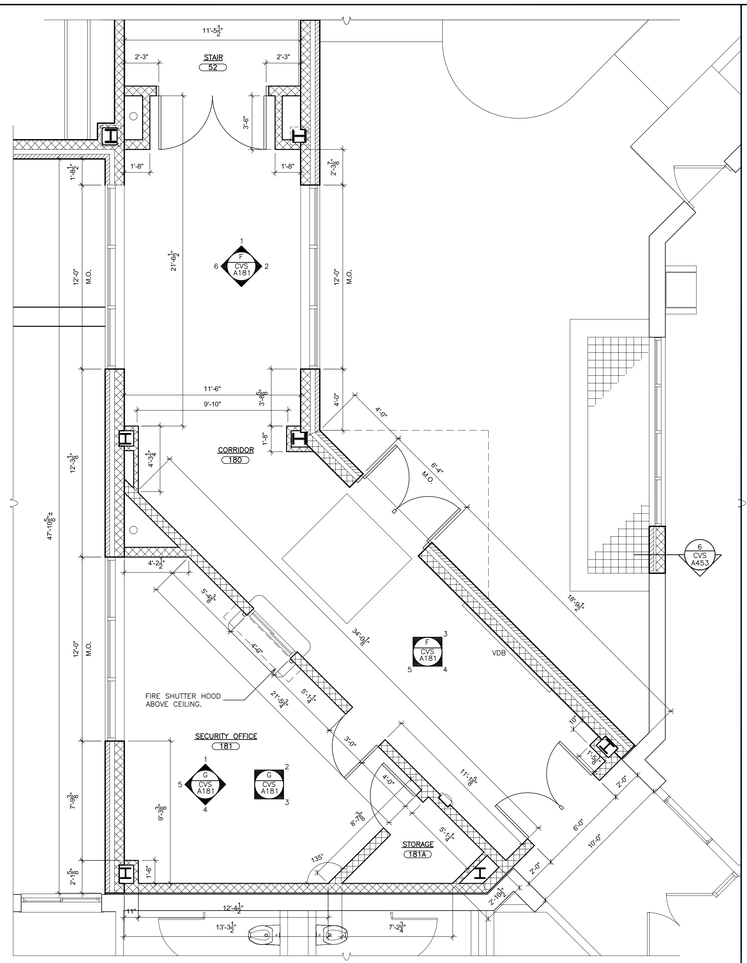


ELEVATION 5

G INTERIOR ELEVATION - SECURITY OFFICE 181

SCALE: 1/4" = 1'-0"

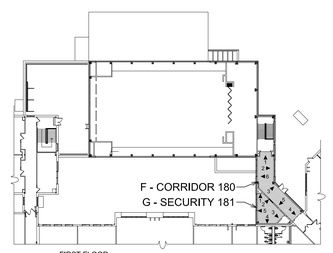
0 2' 4' 8' 16'



1 PARTIAL FIRST FLOOR PLAN

SCALE: 1/4" = 1'-0"

0 2' 4' 8' 16'



FIRST FLOOR

KEY PLAN

SCALE N.T.S.

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION & INTERIOR RENOVATIONS & EXISTING CAFETERIA CONVERSION
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
INTERIOR ELEVATIONS - CORRIDORS

12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE 30"x42"
DRAWING NO. CVS A181
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:17am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A180-181 Corridor Int Elev.dwg

CEILING LEGEND

- 2'x2' RECESSED MOUNTED LIGHT FIXTURE
- 2'x4' RECESSED MOUNTED LIGHT FIXTURE
- RECESSED CAN LIGHT FIXTURE
- SURFACE MOUNTED LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- CURVED LED STRIP LIGHT
- SURFACE MOUNTED LED STRIP LIGHT
- SURFACE MOUNTED ACOUSTICAL CEILING BLADE
- WALL MOUNTED LIGHT FIXTURE
- STAGE LIGHT MOUNTED ON LIGHT BAR. SEE AV DRAWING.
- CEILING MOUNTED STAGE LIGHT
- WALL MOUNTED LIGHT FIXTURE
- CEILING MOUNTED PROJECTOR. SEE DETAIL 12/A652.
- METAL SOFFIT PANEL
- GYPSUM BOARD OR SOFFIT
- CEILING CASSETTE UNIT
- DUAL TECHNOLOGY OCCUPANCY SENSOR
- EYEBALL DIFFUSER
- CEILING REGISTER. SIZE VARIES. SEE MECHANICAL DRAWINGS.
- CEILING DIFFUSER. SIZE VARIES. SEE MECHANICAL DRAWINGS.
- CEILING MOUNTED EXIT SIGN W/ DIRECTIONAL ARROW
- WALL MOUNTED EXIT SIGN W/ DIRECTIONAL ARROW
- 2'x2' OR 2'x4' ACOUSTICAL CEILING TILE AND SUSPENSION SYSTEM
- MECHANICAL UNIT ABOVE CEILING. SEE MECHANICAL DRAWINGS.
- CEILING MOUNTED UNIT HEATER. SEE MECHANICAL DRAWINGS.
- 8'-0" DIAMETER ROUND ACOUSTICAL CLOUDS
- COLOR. SEE FINISH SCHEDULE.
- WALL MOUNTED SECURITY CAMERA. SEE SECURITY DWGS.
- CEILING MOUNTED SECURITY CAMERA. SEE SECURITY DWGS.
- FIRE ALARM SMOKE DETECTOR
- HEAT DETECTOR
- PA CEILING SPEAKER
- SOUND SYSTEM SPEAKER. SEE AV DWGS.
- WIRELESS INTERNET HUB
- SPRINKLER HEAD. SEE F-DWGS.

NOTE: "X" INDICATES FIXTURE TYPE. SEE SPECIFICATIONS.

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION AND INTERIOR RENOVATIONS AND ATHLETIC FIELD WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
GROUND FLOOR REFLECTED CEILING PLAN

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A200
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

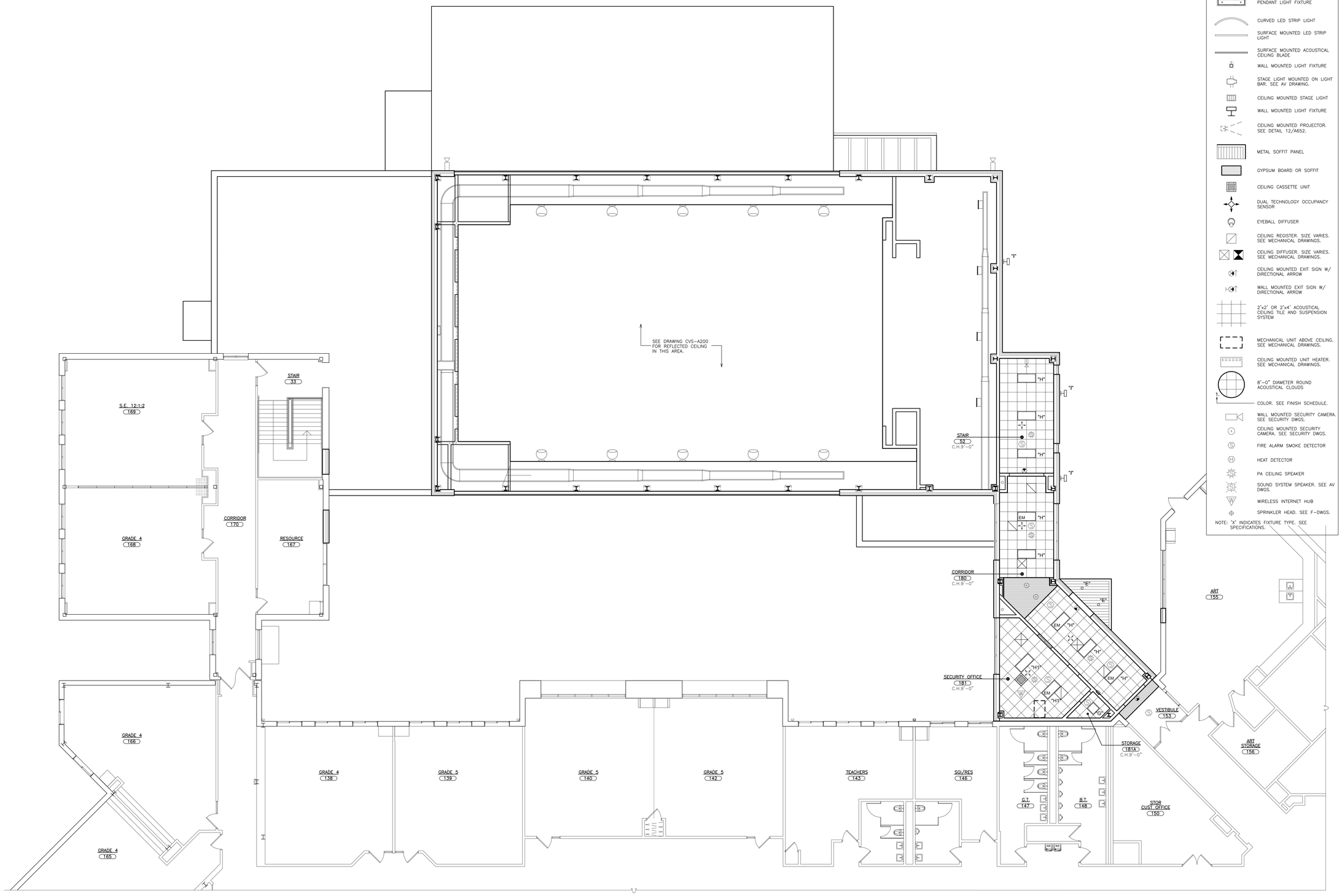
1 GROUND FLOOR REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

PLOT DATE: December 05, 2024 — 10:16am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A200-201.dwg



1 FIRST FLOOR REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

N

CEILING LEGEND

- 2'x2' RECESSED MOUNTED LIGHT FIXTURE
- 2'x4' RECESSED MOUNTED LIGHT FIXTURE
- RECESSED CAN LIGHT FIXTURE
- SURFACE MOUNTED LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- CURVED LED STRIP LIGHT
- SURFACE MOUNTED LED STRIP LIGHT
- SURFACE MOUNTED ACOUSTICAL CEILING BLADE
- WALL MOUNTED LIGHT FIXTURE
- STAGE LIGHT MOUNTED ON LIGHT BAR. SEE AV DRAWING.
- CEILING MOUNTED STAGE LIGHT
- WALL MOUNTED LIGHT FIXTURE
- CEILING MOUNTED PROJECTOR. SEE DETAIL 12/A652.
- METAL SOFFIT PANEL
- GYPSUM BOARD OR SOFFIT
- CEILING CASSETTE UNIT
- DUAL TECHNOLOGY OCCUPANCY SENSOR
- EYEBALL DIFFUSER
- CEILING REGISTER. SIZE VARIES. SEE MECHANICAL DRAWINGS.
- CEILING DIFFUSER. SIZE VARIES. SEE MECHANICAL DRAWINGS.
- CEILING MOUNTED EXIT SIGN W/ DIRECTIONAL ARROW
- WALL MOUNTED EXIT SIGN W/ DIRECTIONAL ARROW
- 2'x2' OR 2'x4' ACOUSTICAL CEILING TILE AND SUSPENSION SYSTEM
- MECHANICAL UNIT ABOVE CEILING. SEE MECHANICAL DRAWINGS.
- CEILING MOUNTED UNIT HEATER. SEE MECHANICAL DRAWINGS.
- 8'-0" DIAMETER ROUND ACOUSTICAL CLOUDS
- COLOR. SEE FINISH SCHEDULE.
- WALL MOUNTED SECURITY CAMERA. SEE SECURITY DWGS.
- CEILING MOUNTED SECURITY CAMERA. SEE SECURITY DWGS.
- FIRE ALARM SMOKE DETECTOR
- HEAT DETECTOR
- PA CEILING SPEAKER
- SOUND SYSTEM SPEAKER. SEE AV DWGS.
- WIRELESS INTERNET HUB
- SPRINKLER HEAD. SEE F-DWGS.

NOTE: 'X' INDICATES FIXTURE TYPE. SEE SPECIFICATIONS.

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
FIRST FLOOR REFLECTED CEILING PLAN

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A201
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:16am

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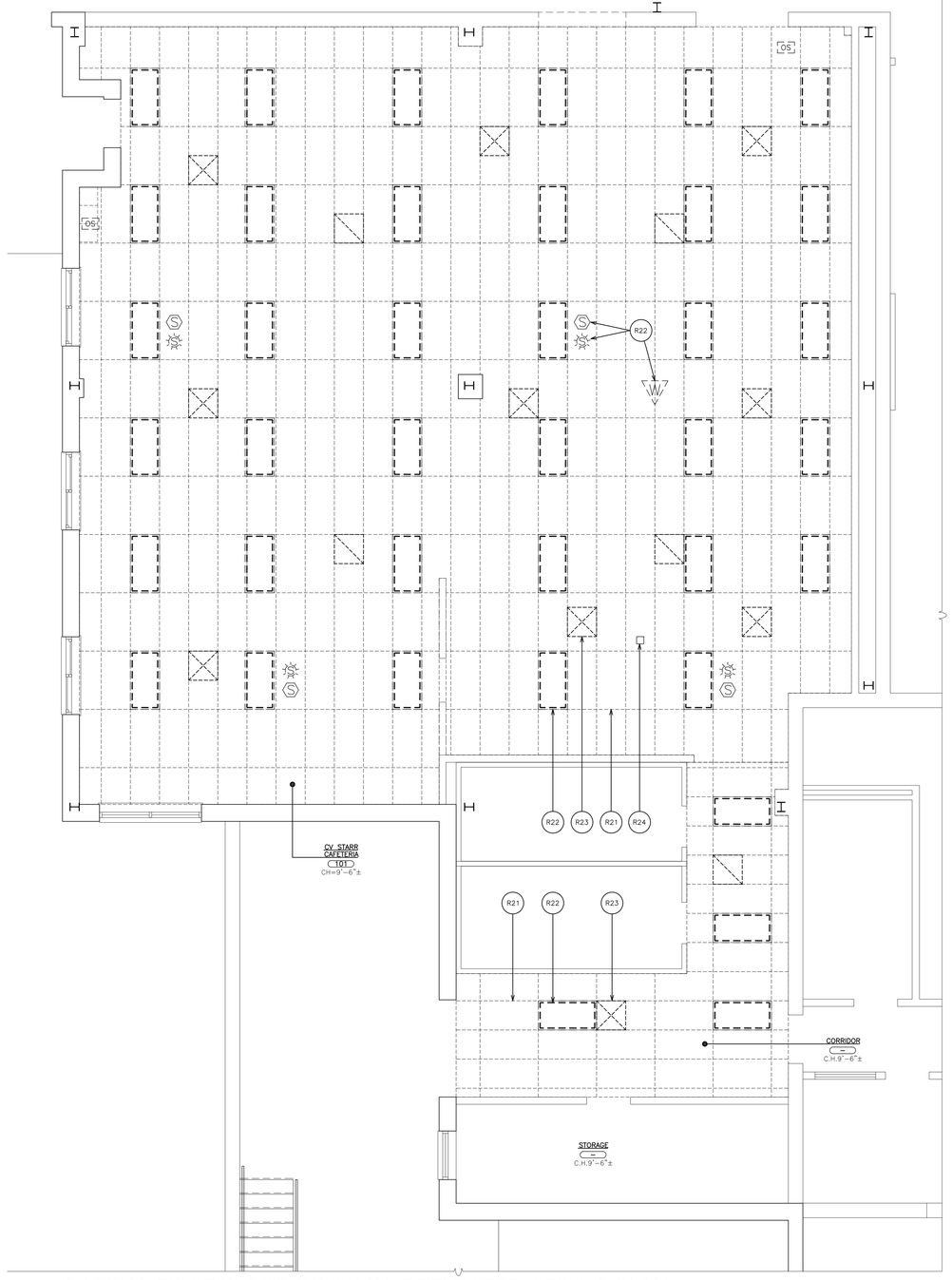
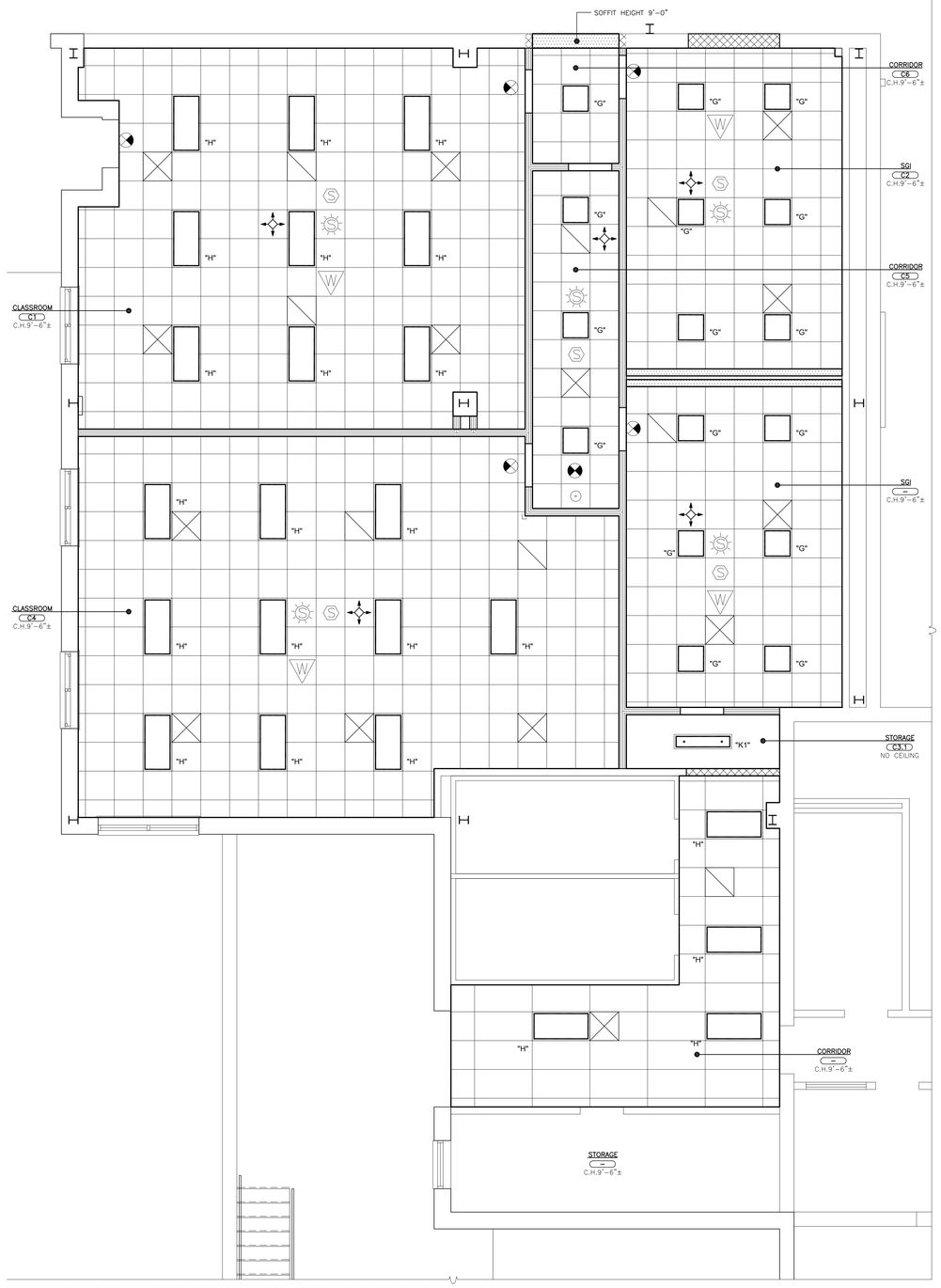


1 PARTIAL FIRST FLOOR REMOVAL REFLECTED CEILING PLAN

SCALE: 1/4" = 1'-0"

0 2' 4' 8' 16'



1 PARTIAL FIRST FLOOR REFLECTED CEILING PLAN

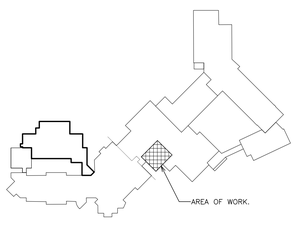
SCALE: 1/4" = 1'-0"

0 2' 4' 8' 16'

CEILING LEGEND

- 2'x2' RECESSED MOUNTED LIGHT FIXTURE
- 2'x4' RECESSED MOUNTED LIGHT FIXTURE
- RECESSED CAN LIGHT FIXTURE
- SURFACE MOUNTED LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- CURVED LED STRIP LIGHT
- SURFACE MOUNTED LED STRIP LIGHT
- SURFACE MOUNTED ACOUSTICAL CEILING BLADE
- WALL MOUNTED LIGHT FIXTURE
- STAGE LIGHT MOUNTED ON LIGHT BAR. SEE AV DRAWING.
- CEILING MOUNTED STAGE LIGHT
- WALL MOUNTED LIGHT FIXTURE
- CEILING MOUNTED PROJECTOR. SEE DETAIL 12/A652.
- METAL SOFFIT PANEL
- GYPSUM BOARD OR SOFFIT
- CEILING CASSETTE UNIT
- DUAL TECHNOLOGY OCCUPANCY SENSOR
- EYEBALL DIFFUSER
- CEILING REGISTER. SIZE VARIES. SEE MECHANICAL DRAWINGS.
- CEILING DIFFUSER. SIZE VARIES. SEE MECHANICAL DRAWINGS.
- CEILING MOUNTED EXIT SIGN W/ DIRECTIONAL ARROW
- WALL MOUNTED EXIT SIGN W/ DIRECTIONAL ARROW
- 2'x2' OR 2'x4' ACOUSTICAL CEILING TILE AND SUSPENSION SYSTEM
- MECHANICAL UNIT ABOVE CEILING. SEE MECHANICAL DRAWINGS.
- CEILING MOUNTED UNIT HEATER. SEE MECHANICAL DRAWINGS.
- 8'-0" DIAMETER ROUND ACOUSTICAL CLOUDS
- COLOR. SEE FINISH SCHEDULE.
- WALL MOUNTED SECURITY CAMERA. SEE SECURITY DWG'S.
- CEILING MOUNTED SECURITY CAMERA. SEE SECURITY DWGS.
- FIRE ALARM SMOKE DETECTOR
- HEAT DETECTOR
- PA CEILING SPEAKER
- SOUND SYSTEM SPEAKER. SEE AV DWGS.
- WIRELESS INTERNET HUB
- SPRINKLER HEAD. SEE F-DWGS.

NOTE: 'X' INDICATES FIXTURE TYPE. SEE SPECIFICATIONS.



KEY PLAN

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM & AUDITORIUM INTERIOR
RENOVATIONS AS PER LOCAL LAW #1
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
PARTIAL FIRST FLOOR REMOVAL REFLECTED CEILING PLAN & PARTIAL FIRST FLOOR REFLECTED CEILING PLAN

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A202
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:35am

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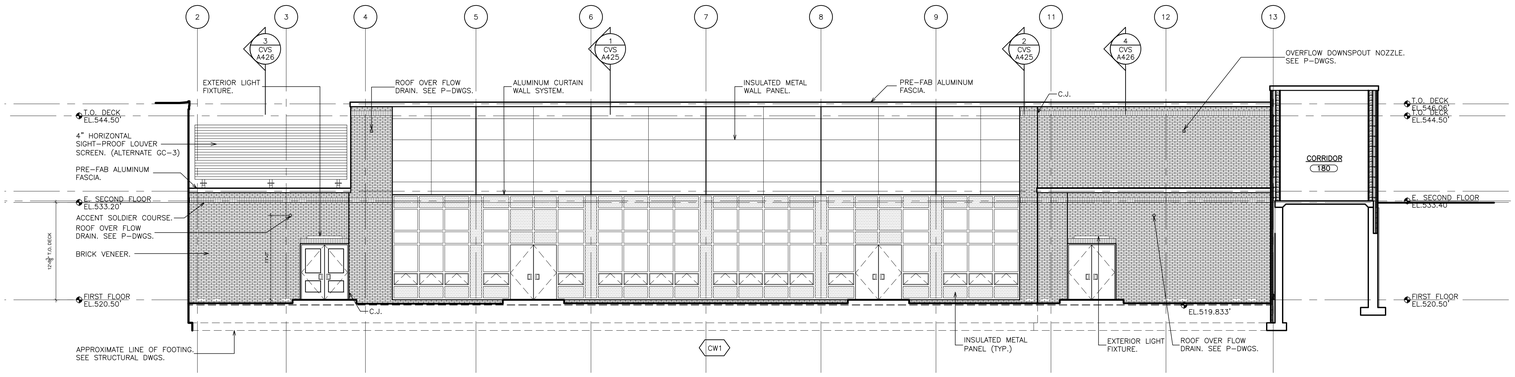
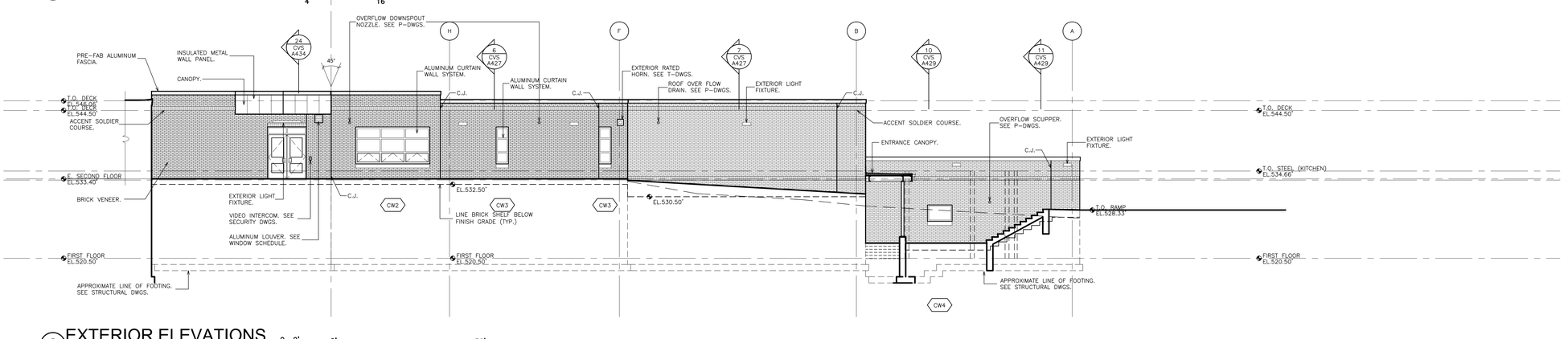
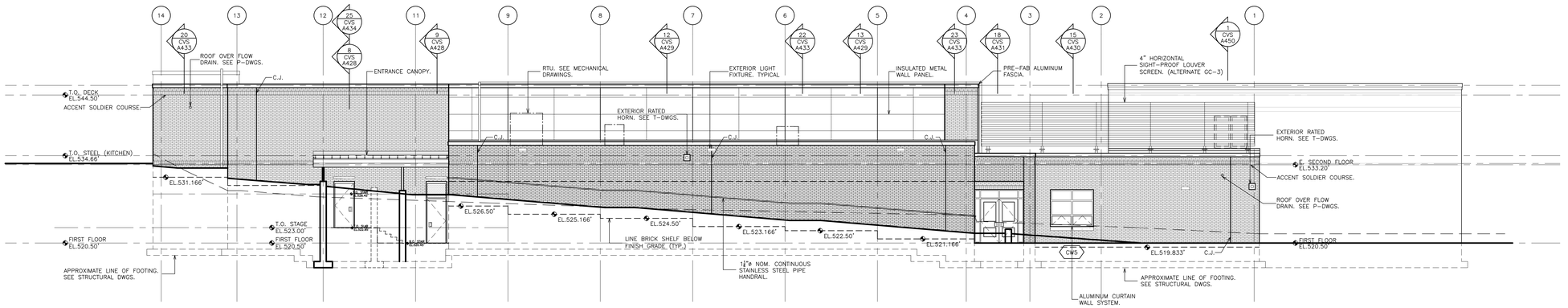


1 EXTERIOR ELEVATIONS
SCALE: 1/8" = 1'-0"



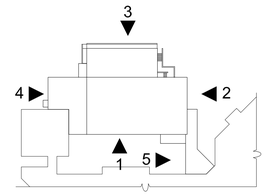
2 EXTERIOR ELEVATIONS
SCALE: 1/8" = 1'-0"



3 EXTERIOR ELEVATIONS
SCALE: 1/8" = 1'-0"

4 EXTERIOR ELEVATIONS
SCALE: 1/8" = 1'-0"

5 EXTERIOR ELEVATIONS
SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE N.T.S.

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION/INTERIOR RENOVATIONS AND ATHLETIC IMPROVEMENTS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
EXTERIOR ELEVATIONS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A300
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:41am

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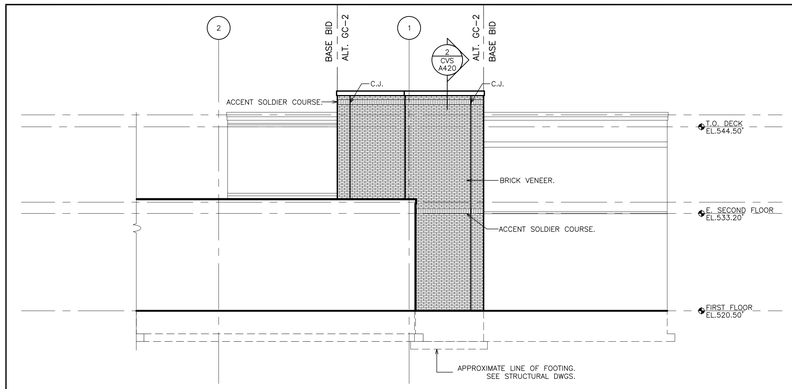
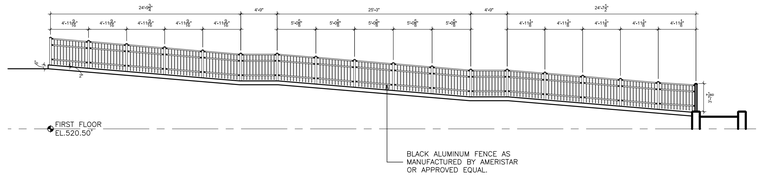
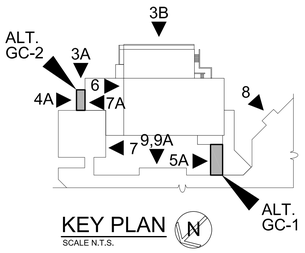
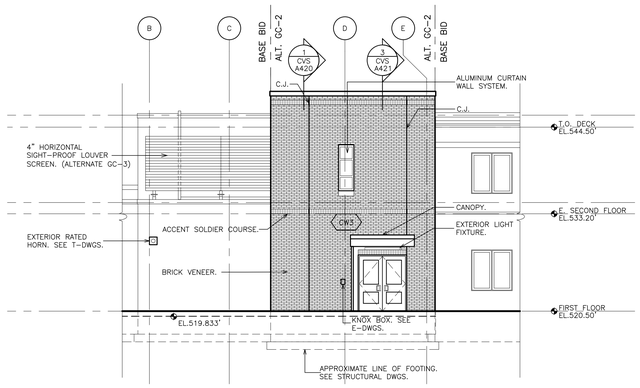






KEY PLAN
SCALE N.T.S.

3A EXTERIOR ELEVATION - ALTERNATE GC-2
SCALE: 1/8" = 1'-0"



3B EXTERIOR ELEVATION
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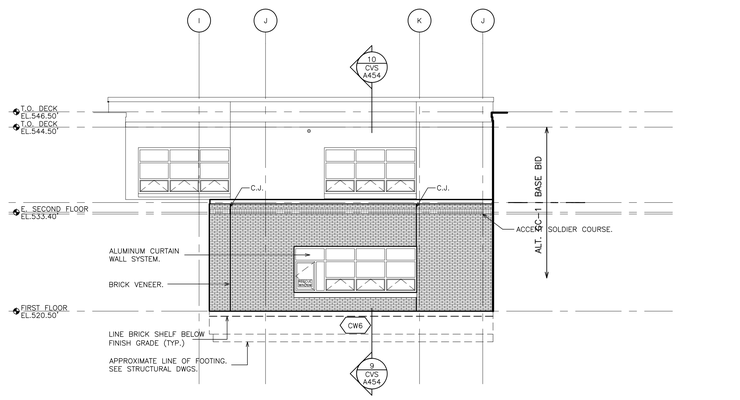
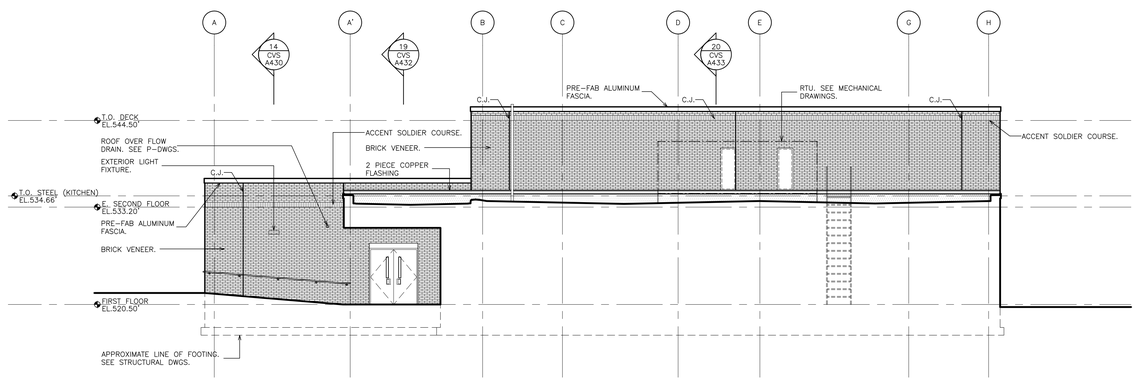
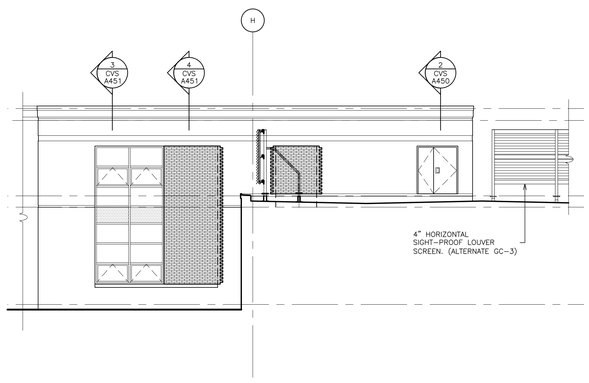


4A EXTERIOR ELEVATION - ALTERNATE GC-2
SCALE: 1/8" = 1'-0"

5A EXTERIOR ELEVATION - ALTERNATE GC-1
SCALE: 1/8" = 1'-0"



6 EXTERIOR ELEVATION
SCALE: 1/8" = 1'-0"



7 EXTERIOR ELEVATION
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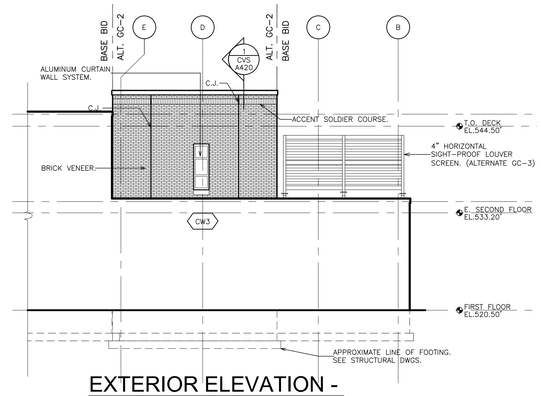
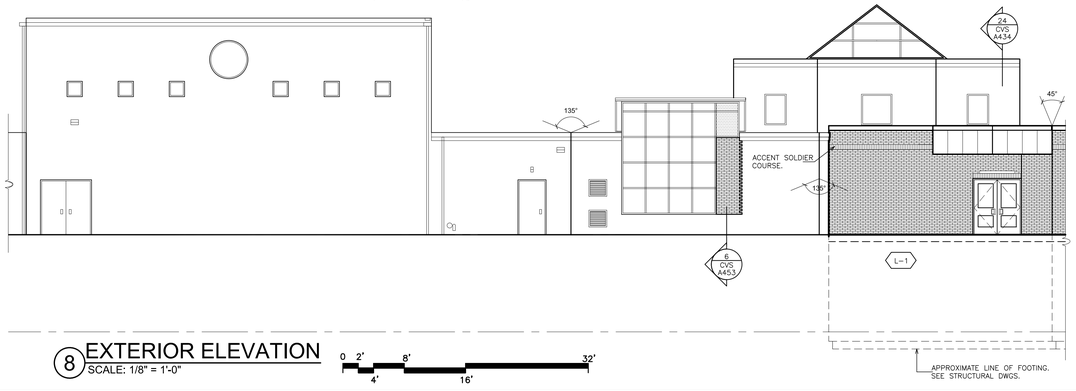
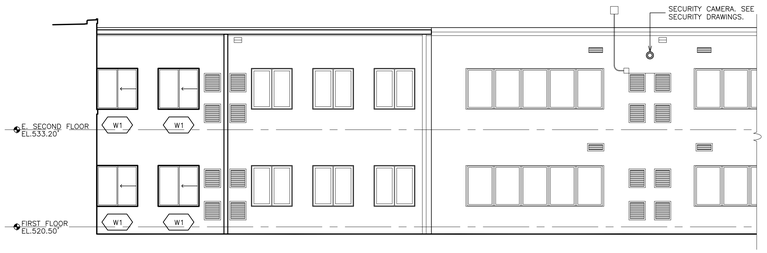


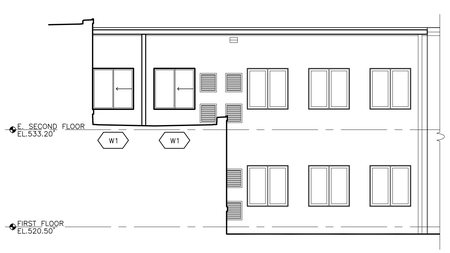
7A EXTERIOR ELEVATION - ALTERNATE GC-2
SCALE: 1/8" = 1'-0"



8 EXTERIOR ELEVATION
SCALE: 1/8" = 1'-0"



9 EXTERIOR ELEVATION
SCALE: 1/8" = 1'-0"



9A EXTERIOR ELEVATION - ALTERNATE GC-1
SCALE: 1/8" = 1'-0"

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
REGISTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION IN TERIOR
RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
EXTERIOR ELEVATIONS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A301
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:42am

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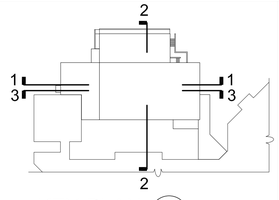
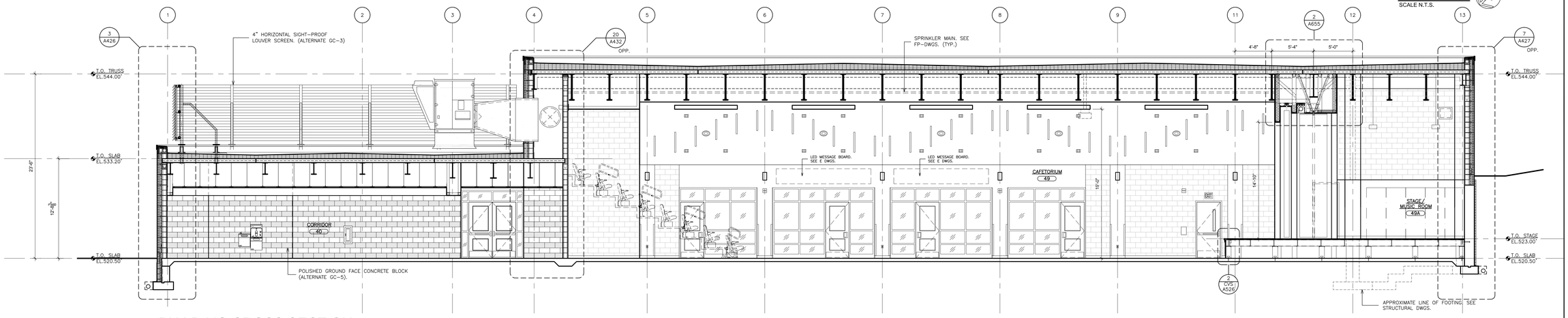


KEY PLAN
SCALE N.T.S.



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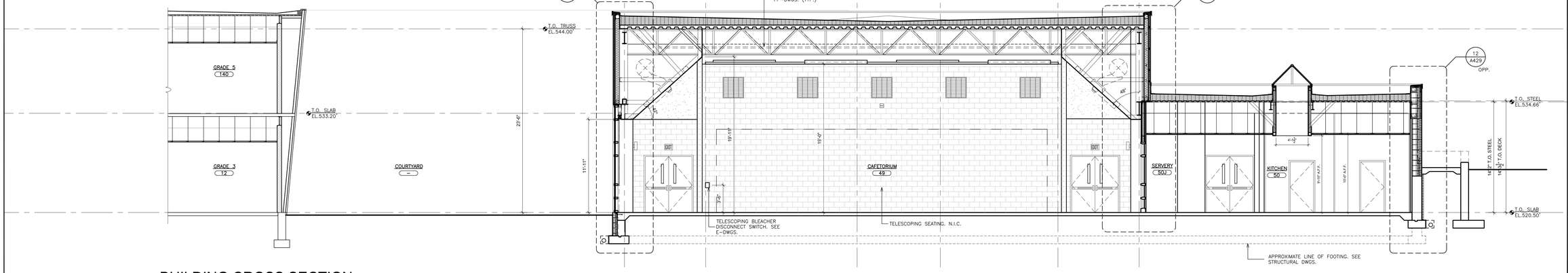

2 BUILDING CROSS SECTION
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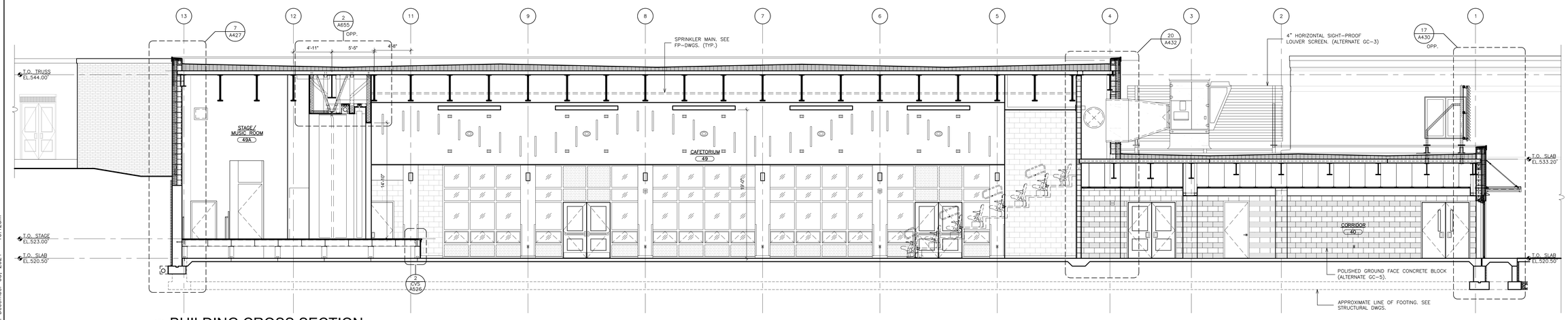

3 BUILDING CROSS SECTION
SCALE: 3/16" = 1'-0"

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
NEW YORK CENTRAL SCHOOL DISTRICT
C.V. STAHR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION IN TERIOR
RENOVATIONS AND ALTERATIONS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
BUILDING CROSS SECTIONS

12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE 30"x42"	DRAWING NO. CVS A400
SCALE AS NOTED	
DRAWN BY	FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:42am

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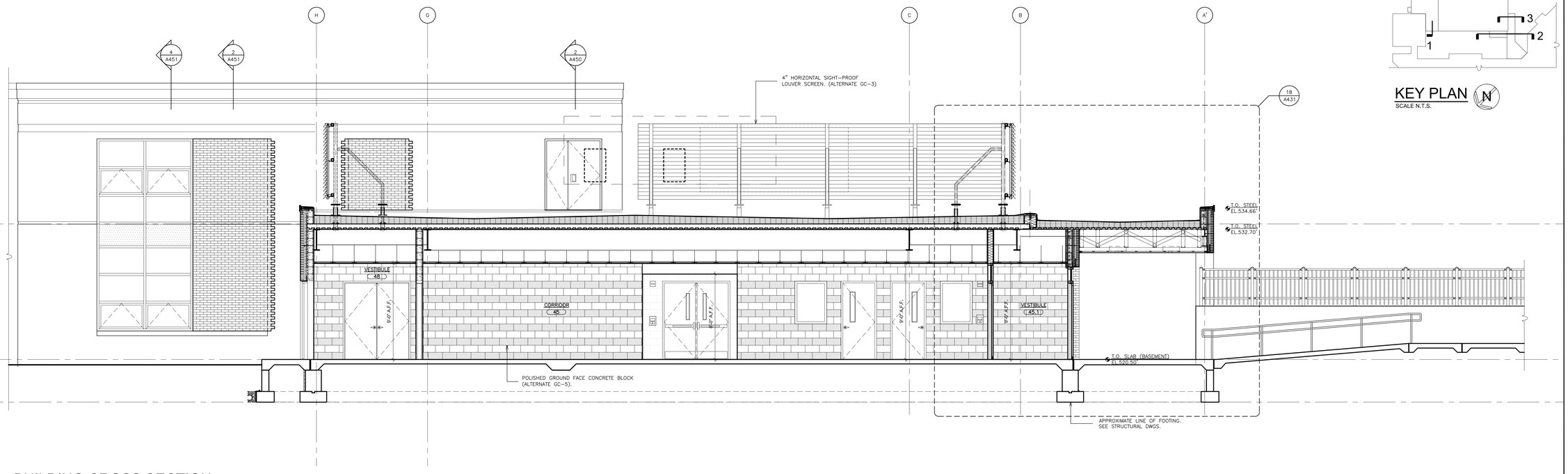
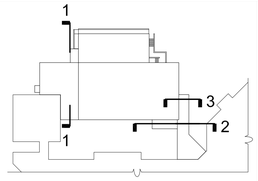
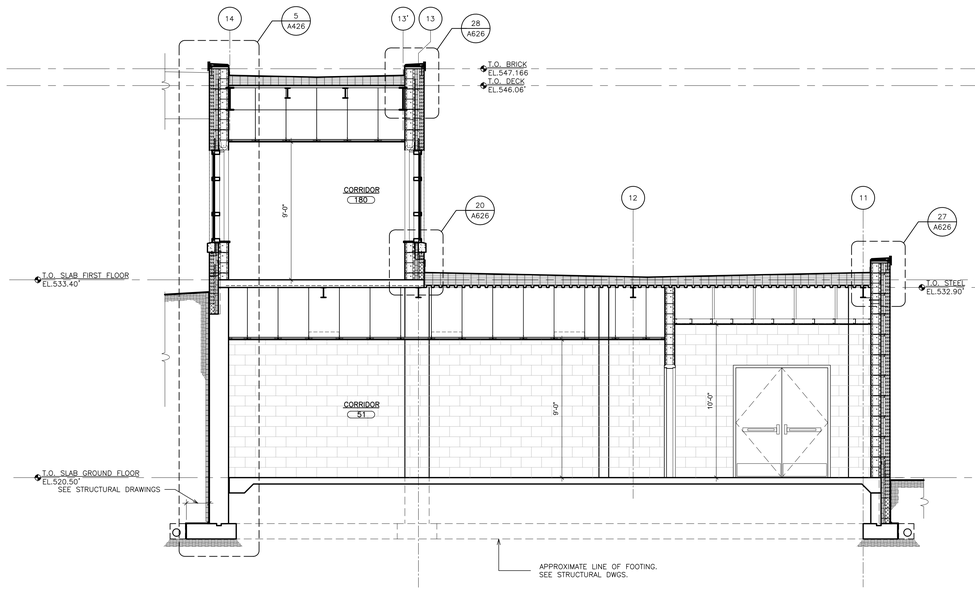


1 BUILDING CROSS SECTION
SCALE: 1/4" = 1'-0"



KEY PLAN
SCALE N.T.S.



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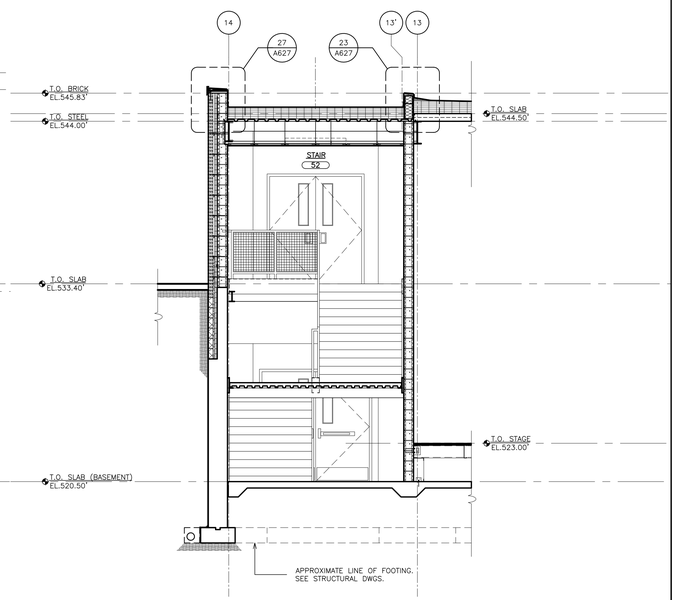
SCALE: 1/4" = 1'-0"



3 PARTIAL BUILDING CROSS SECTION
SCALE: 1/4" = 1'-0"

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
BUILDING CROSS SECTIONS

12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE 30"x42"	DRAWING NO. CVS A401
SCALE AS NOTED	
DRAWN BY	FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:43am

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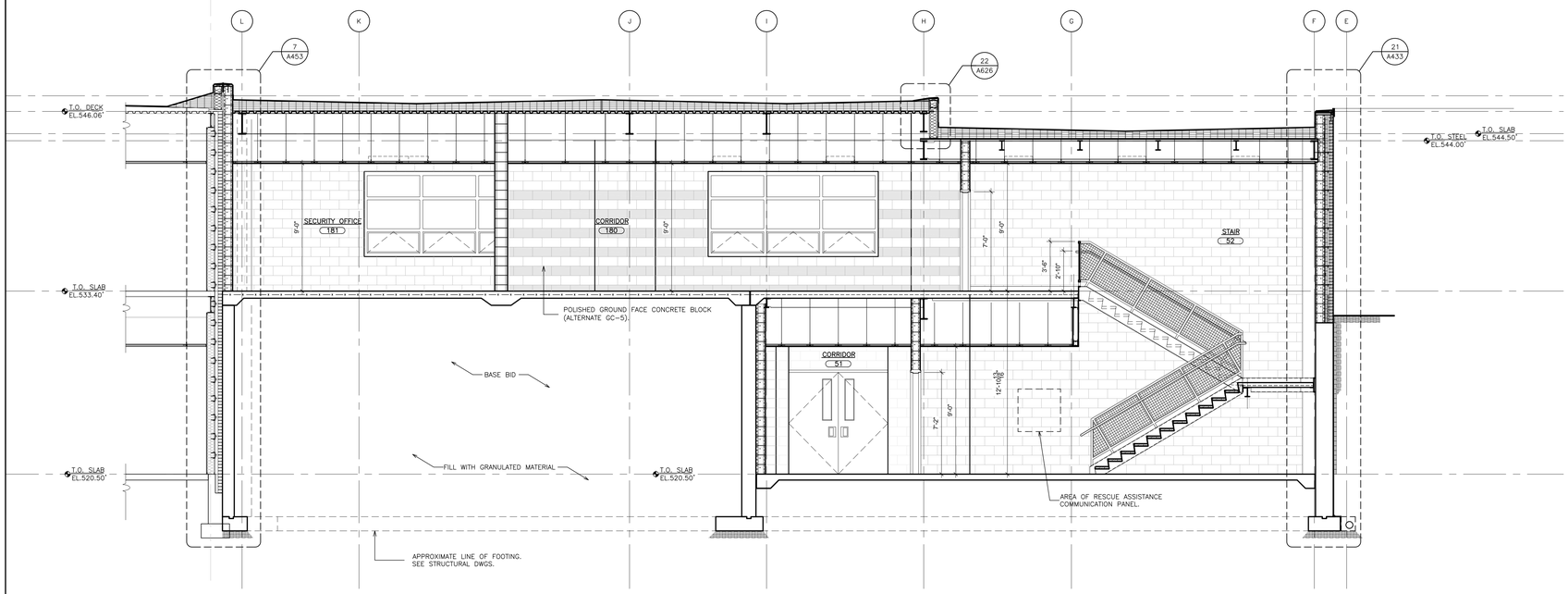
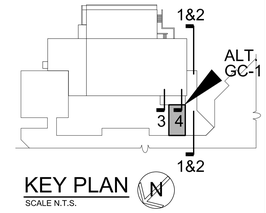
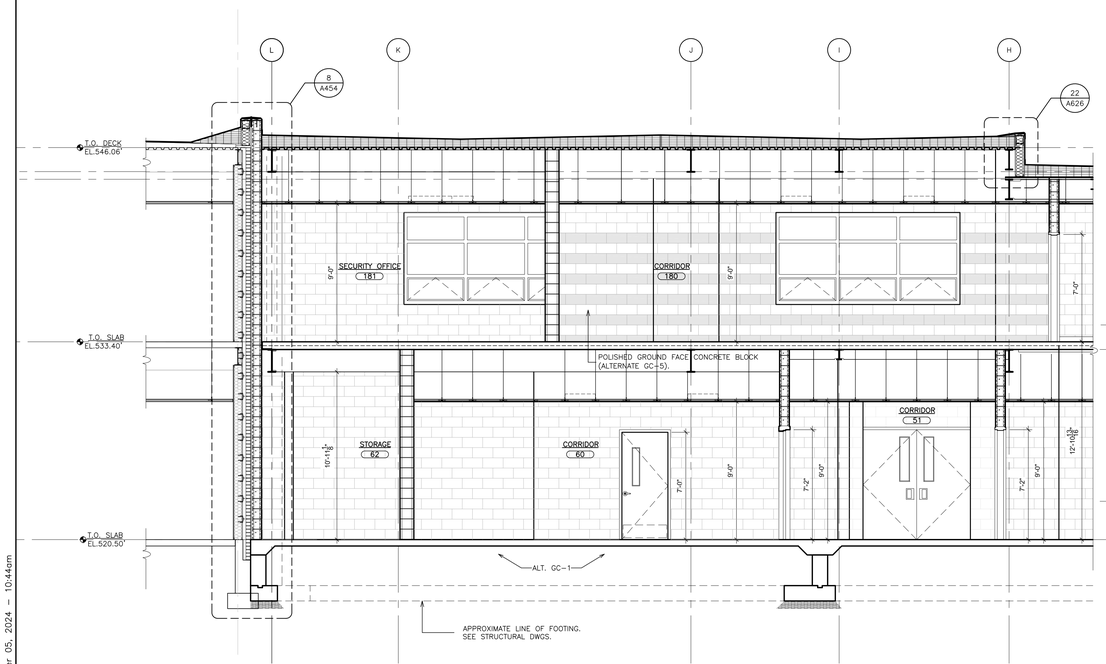
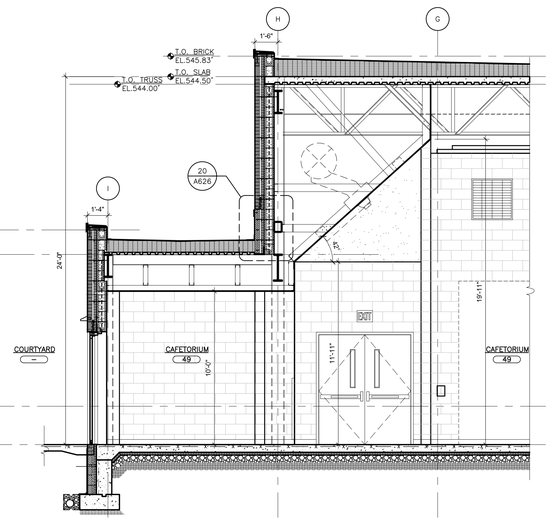


1 BUILDING CROSS SECTION
SCALE: 1/4" = 1'-0"

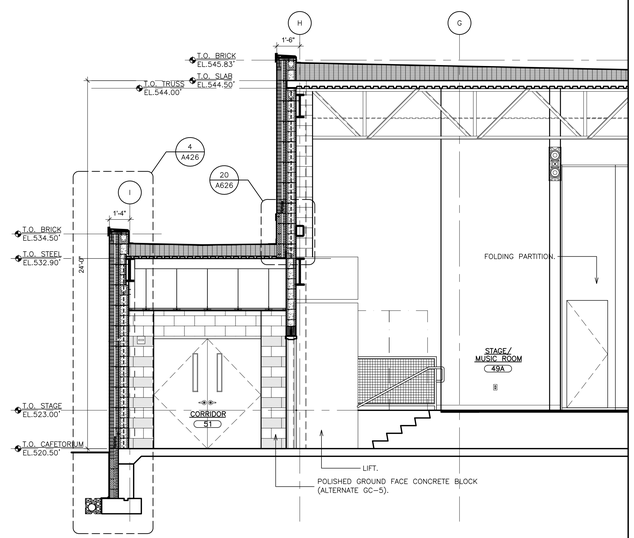




2 BUILDING CROSS SECTION - ALTERNATE GC-1
SCALE: 1/4" = 1'-0"



3 BUILDING CROSS SECTION
SCALE: 1/4" = 1'-0"



4 BUILDING CROSS SECTION
SCALE: 1/4" = 1'-0"

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WWW.FULLERDANGELO.COM

LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR
RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

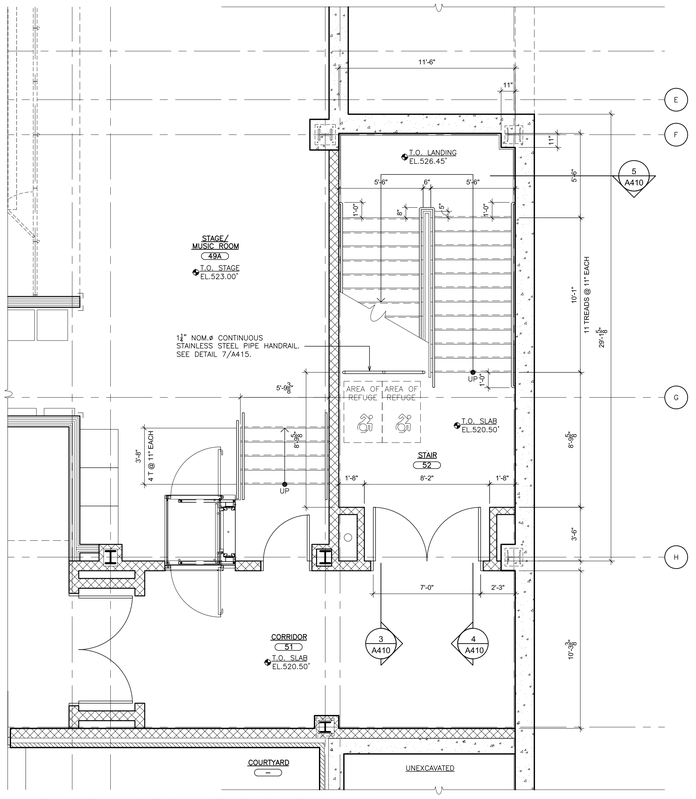
DRAWING TITLE
BUILDING CROSS SECTIONS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

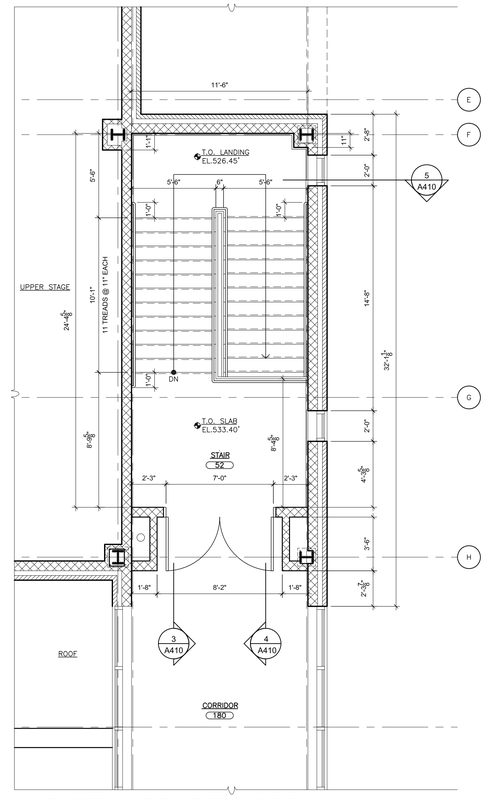
SHEET SIZE 30"x42"
DRAWING NO. CVS A402
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:44am

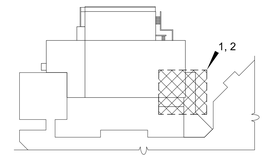
FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A401-402.dwg



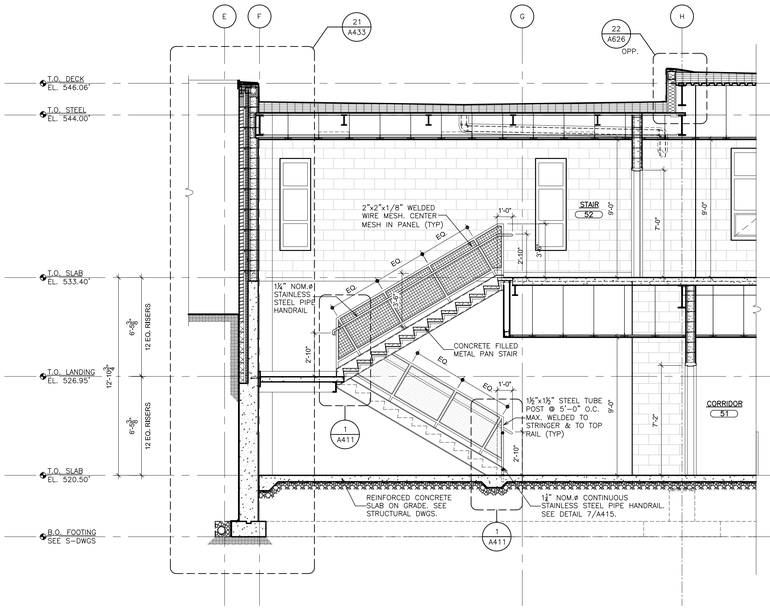
1 PARTIAL GROUND FLOOR PLAN
SCALE: 1/4" = 1'-0"



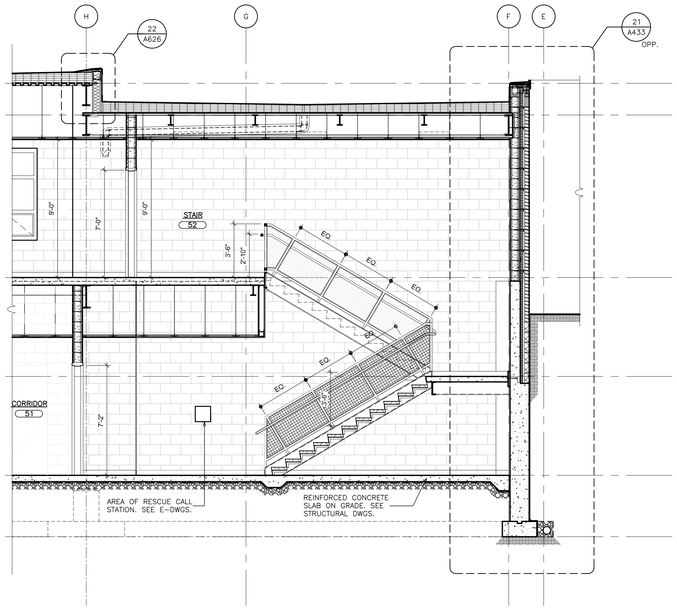
2 PARTIAL FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"



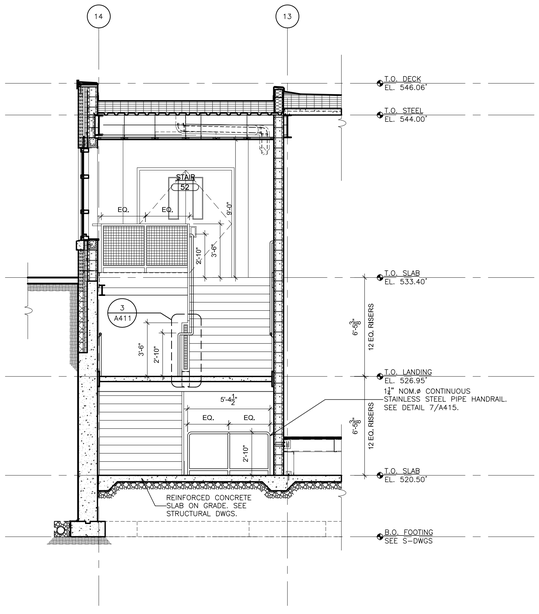
KEY PLAN
SCALE N.T.S.



3 STAIR SECTION
SCALE: 1/4" = 1'-0"



4 STAIR SECTION
SCALE: 1/4" = 1'-0"



5 STAIR SECTION
SCALE: 1/4" = 1'-0"

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
PROPOSED CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION & INTERIOR
RENOVATIONS AS ALTERATIONS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

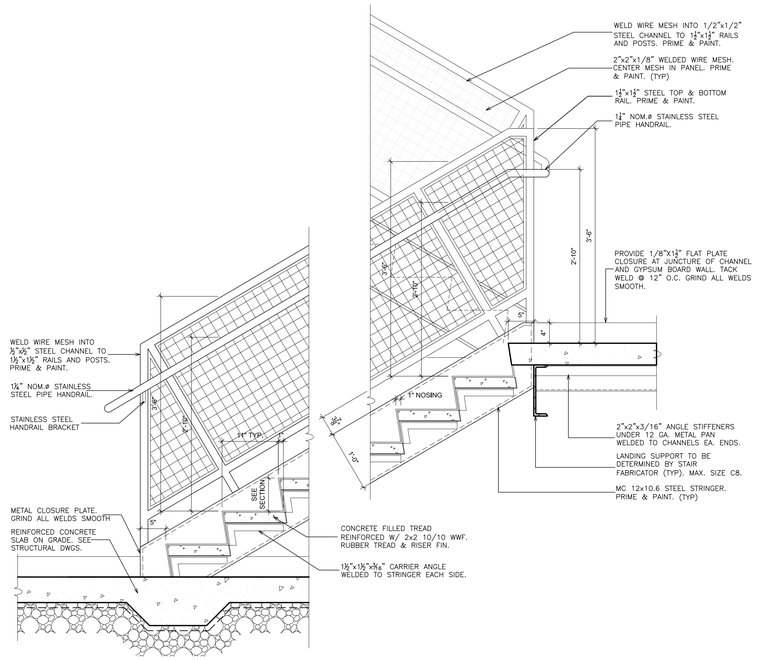
DRAWING TITLE
PARTIAL GROUND FLOOR STAIR PLAN, PARTIAL FIRST FLOOR STAIR PLAN & STAIR SECTIONS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
06-31-2023	S.D. SUBMISSION

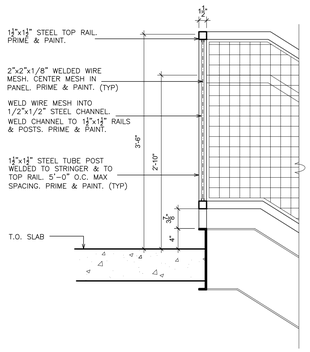
SHEET SIZE 30"x42"
DRAWING NO. CVS A410
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:44am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A410-411.dwg



1 TYP. DETAIL
SCALE: 1" = 1'-0"



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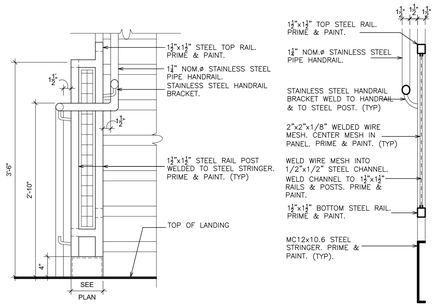
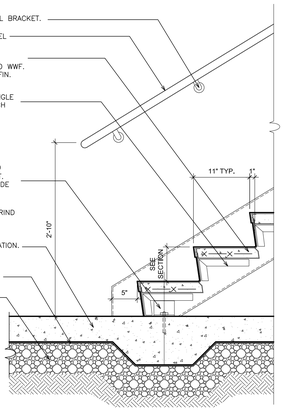
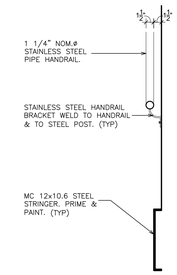


3 TYP. DETAIL
SCALE: 1" = 1'-0"

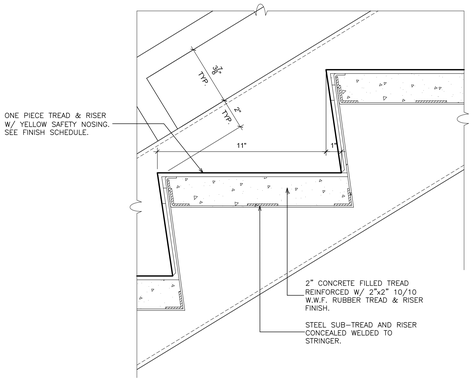
4 DETAIL @ RAILING
SCALE: 1" = 1'-0"



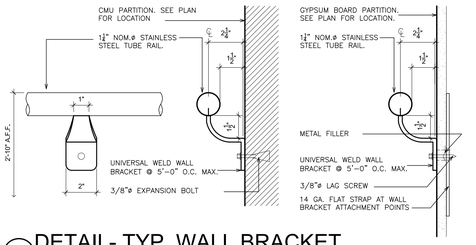
5 TYP. DETAIL
SCALE: 1" = 1'-0"



6 TYP. DETAIL
SCALE: 1" = 1'-0"



7 DETAIL @ TREAD
SCALE: 3" = 1'-0"



8 DETAIL- TYP. WALL BRACKET
SCALE: 3" = 1'-0"

HANDRAIL NOTES:

1 ALL EXPOSED EDGES ARE TO BE EASED.

2 CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS PRIOR TO SHOP DRAWING SUBMITTALS AND FABRICATION.

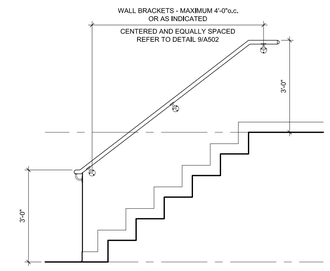
3 ALL EXPOSED FASTENERS ARE TO BE VANDAL RESISTANT.

4 ALL DISSIMILAR METALS SHALL BE SEPARATED BY A BOND BREAKER TYPE OF MATERIAL.

5 CONTRACTOR IS TO PROVIDE ALL MISCELLANEOUS ITEMS NOT SPECIFICALLY LISTED OR SHOWN BUT REQUIRED FOR A COMPLETE INSTALLATION AS PER APPLICABLE BUILDING CODES AND MANUFACTURE REQUIREMENTS. EXAMPLES INCLUDE, BUT ARE NOT LIMITED TO, END CAPS, CORNER BENDS, SPLICE INSERTS AND FASTENERS.

6 ALL STEEL COMPONENTS ARE TO BE CONTINUOUSLY WELDED, ALL AROUND, AT ALL POINTS OF CONTACT WITH INTERSECTING AND / OR ADJACENT STEEL PIECES. ALL WELDS ARE TO BE GROUND SMOOTH.

7 ALL STEEL SHALL BE PATCHED, SANDED, CLEANED, PRIMED AND PAINTED AS PER THE FINISH SCHEDULE AND SPECIFICATIONS.



9 TYPICAL WALL RAILING ELEVATION
SCALE: 1/2" = 1'-0"

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

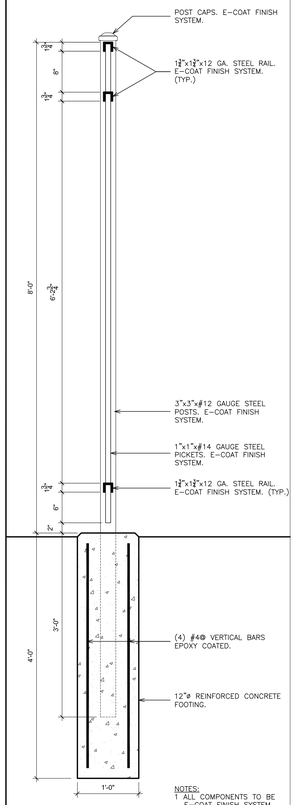
DRAWING TITLE
STAIR SECTIONS AND DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

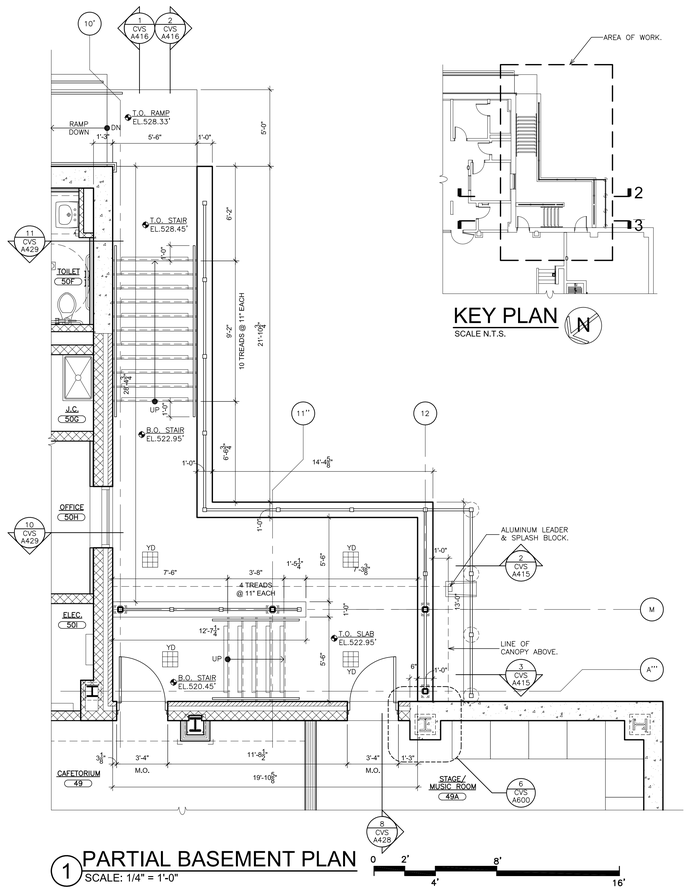
SHEET SIZE 30"x42"
DRAWING NO. CVS A411
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:45am

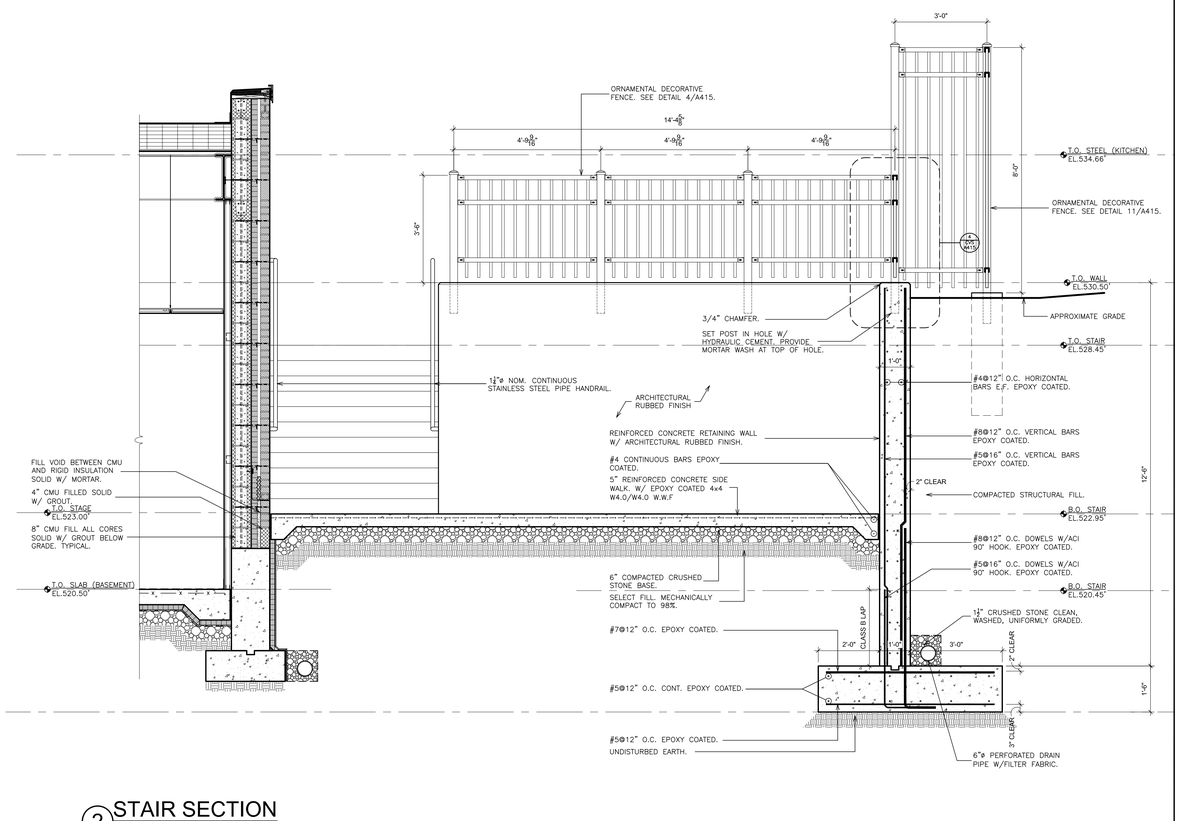
FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A410-411.dwg



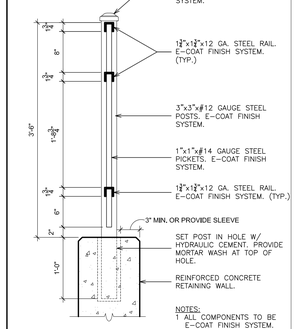
11 DETAIL @ GUARDRAIL
SCALE: 1" = 1'-0"



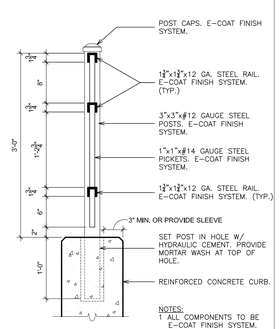
1 PARTIAL BASEMENT PLAN
SCALE: 1/4" = 1'-0"



2 STAIR SECTION
SCALE: 1/2" = 1'-0"



4 DETAIL @ GUARDRAIL
SCALE: 1" = 1'-0"



5 DETAIL @ GUARDRAIL
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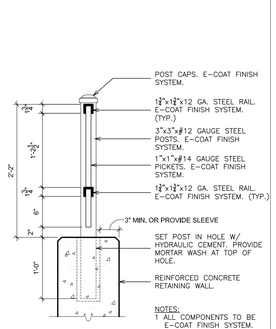
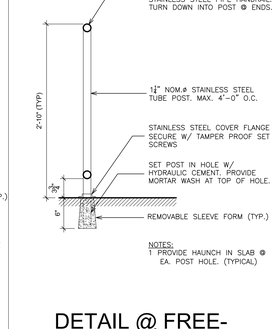
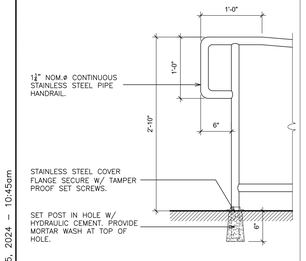


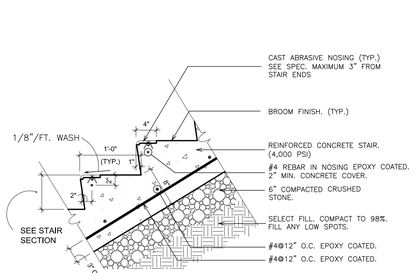
6 DETAIL @ GUARDRAIL
SCALE: 1" = 1'-0"



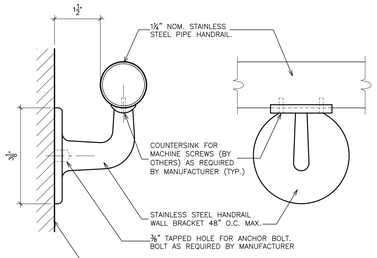
7 DETAIL @ FREE-STANDING HANDRAIL
SCALE: 1" = 1'-0"



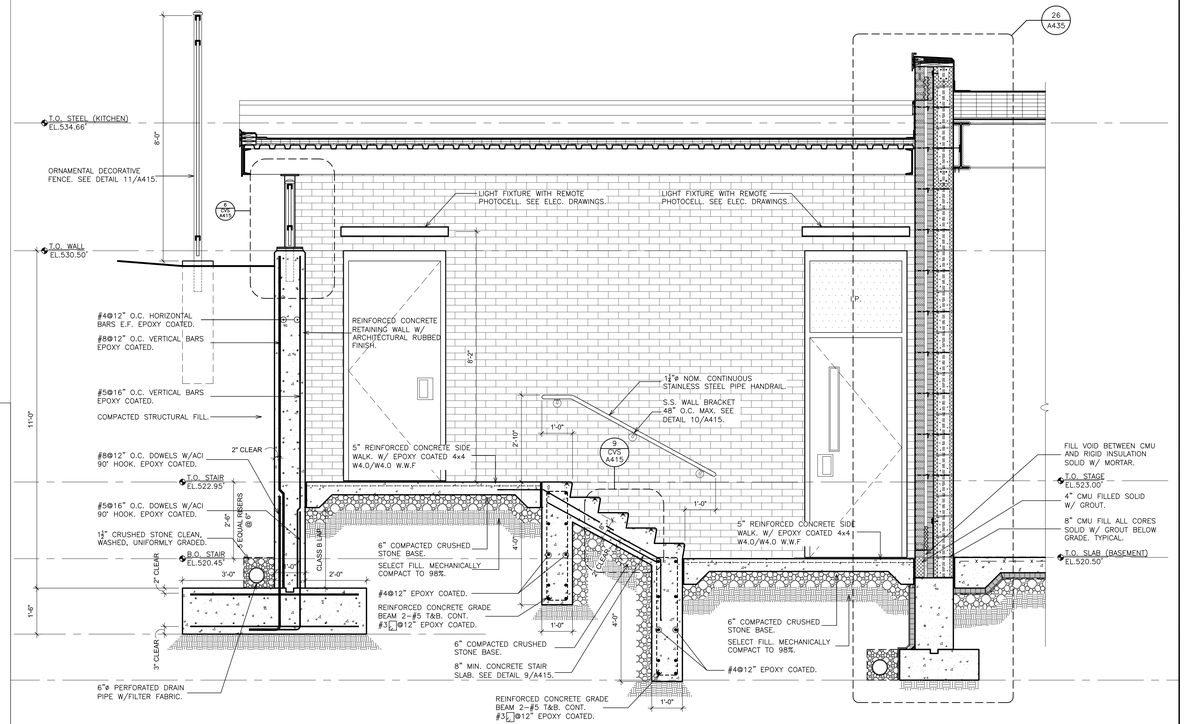
8 DETAIL
SCALE: 1" = 1'-0"



9 DETAIL
SCALE: 1" = 1'-0"



10 HANDRAIL BRACKET DETAIL
SCALE: 6" = 1'-0"



3 STAIR SECTION
SCALE: 1/2" = 1'-0"

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION/INTERIOR RENOVATIONS ALTERATIONS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

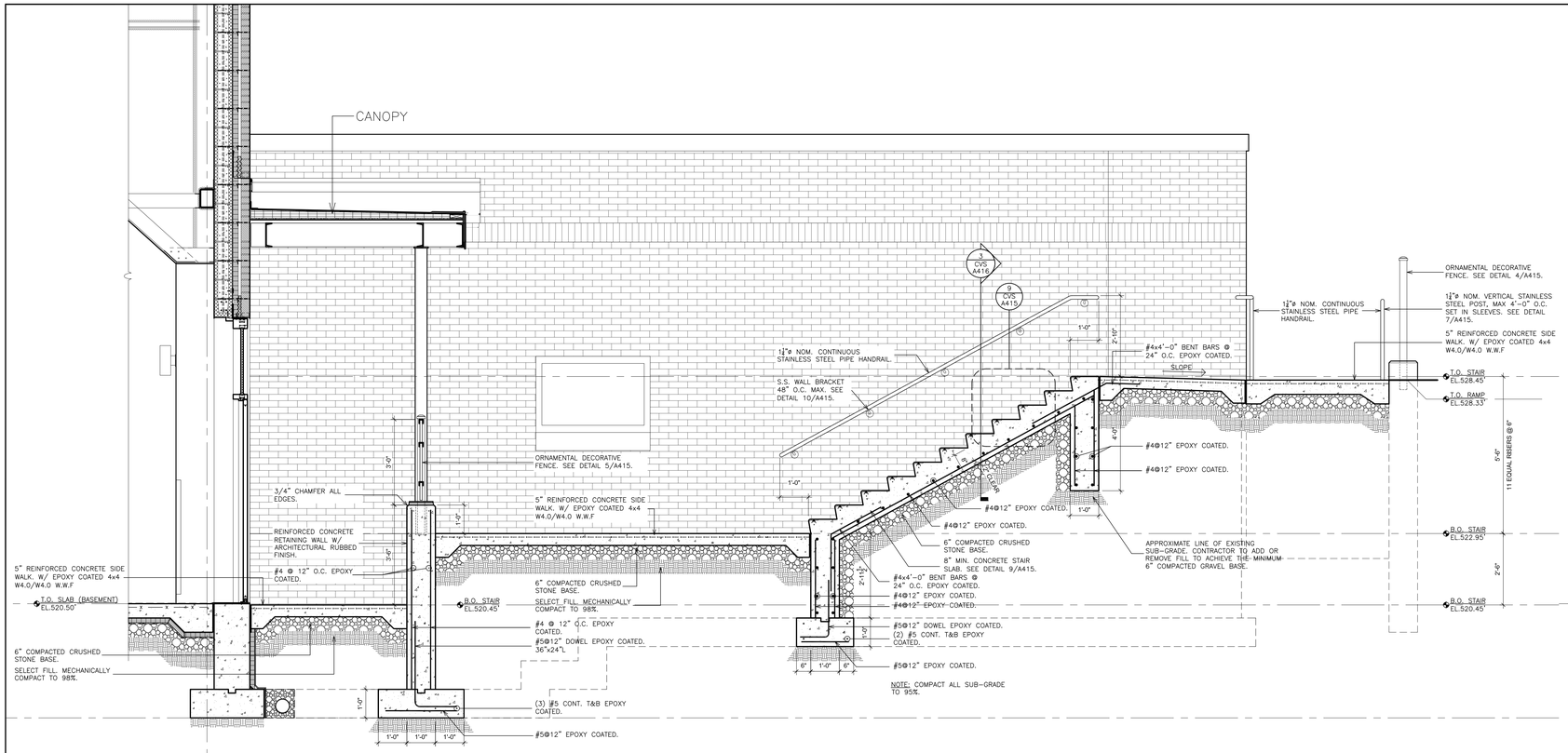
DRAWING TITLE
EXTERIOR STAIR PLAN, SECTIONS & DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A415
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:45am

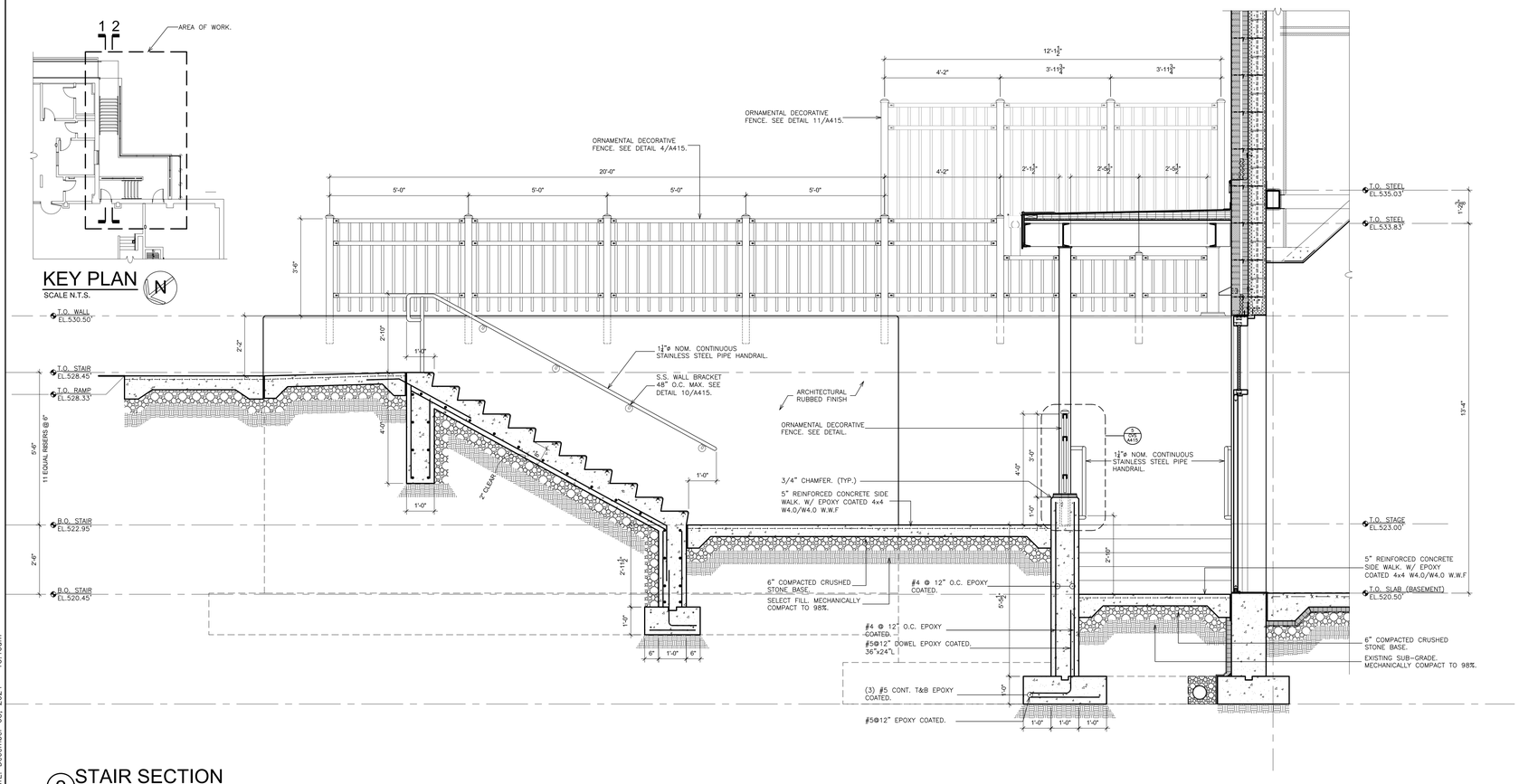
FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A415.dwg



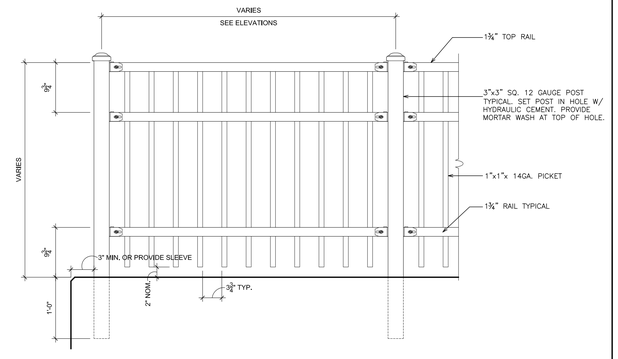
1 STAIR SECTION
SCALE: 1/2" = 1'-0"

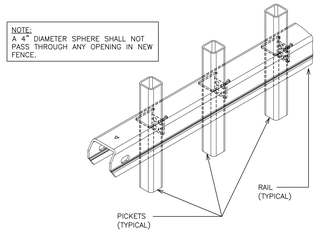
3 STAIR SECTION
SCALE: 1/2" = 1'-0"

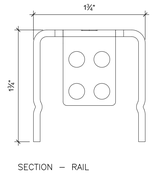
KEY PLAN
SCALE N.T.S.



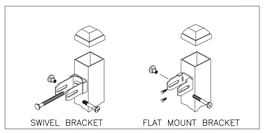
2 STAIR SECTION
SCALE: 1/2" = 1'-0"







SECTION – RAIL



4 DECORATIVE STEEL FENCE DETAIL
SCALE: N.T.S.

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION/INTERIOR RENOVATION & ATHLETIC WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
EXTERIOR STAIR SECTIONS & DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS A416
SCALE: AS NOTED
DRAWN BY:
FILE NO.: 23505.02

PLOT DATE: December 05, 2024 - 10:46am

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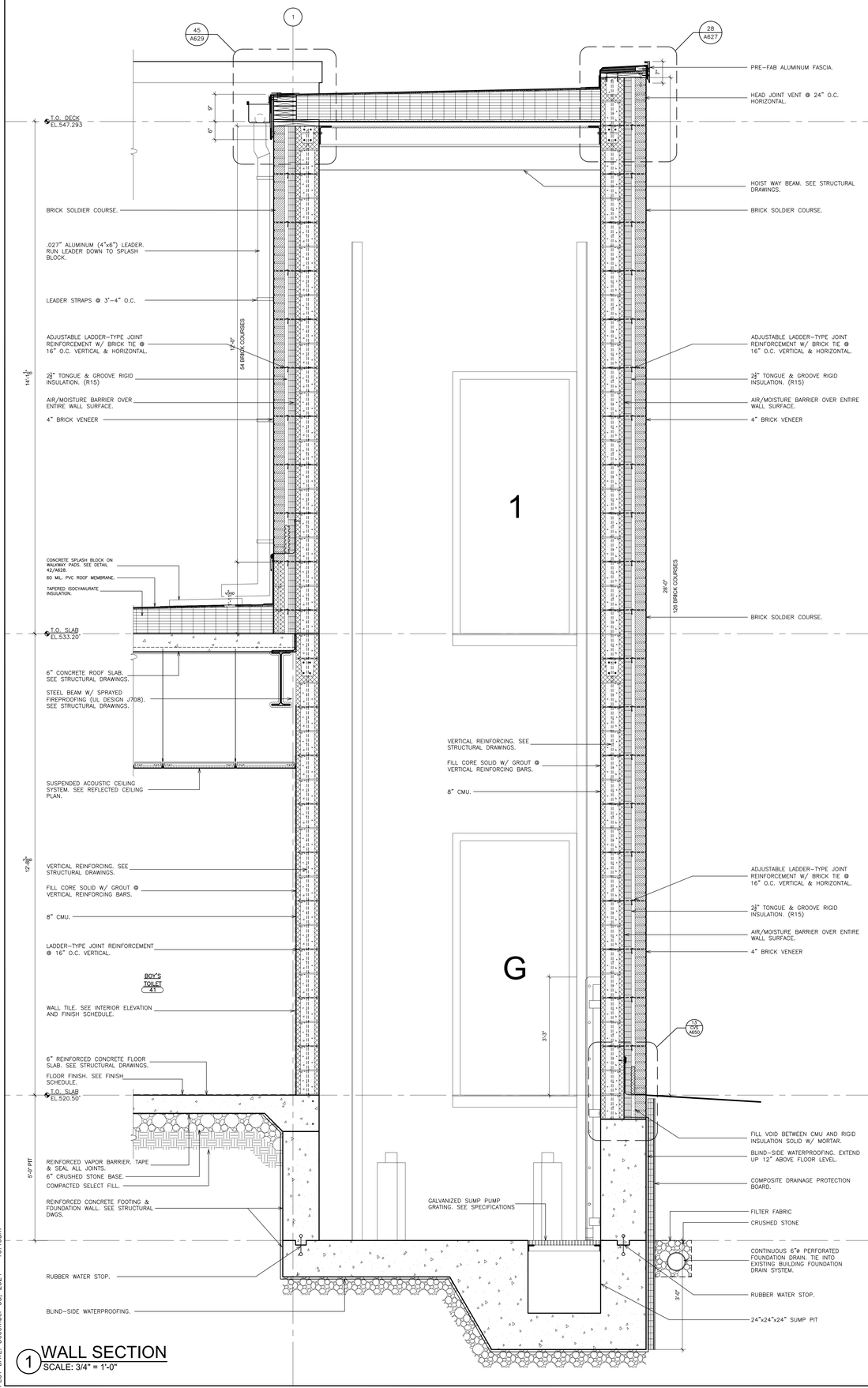

1 WALL SECTION
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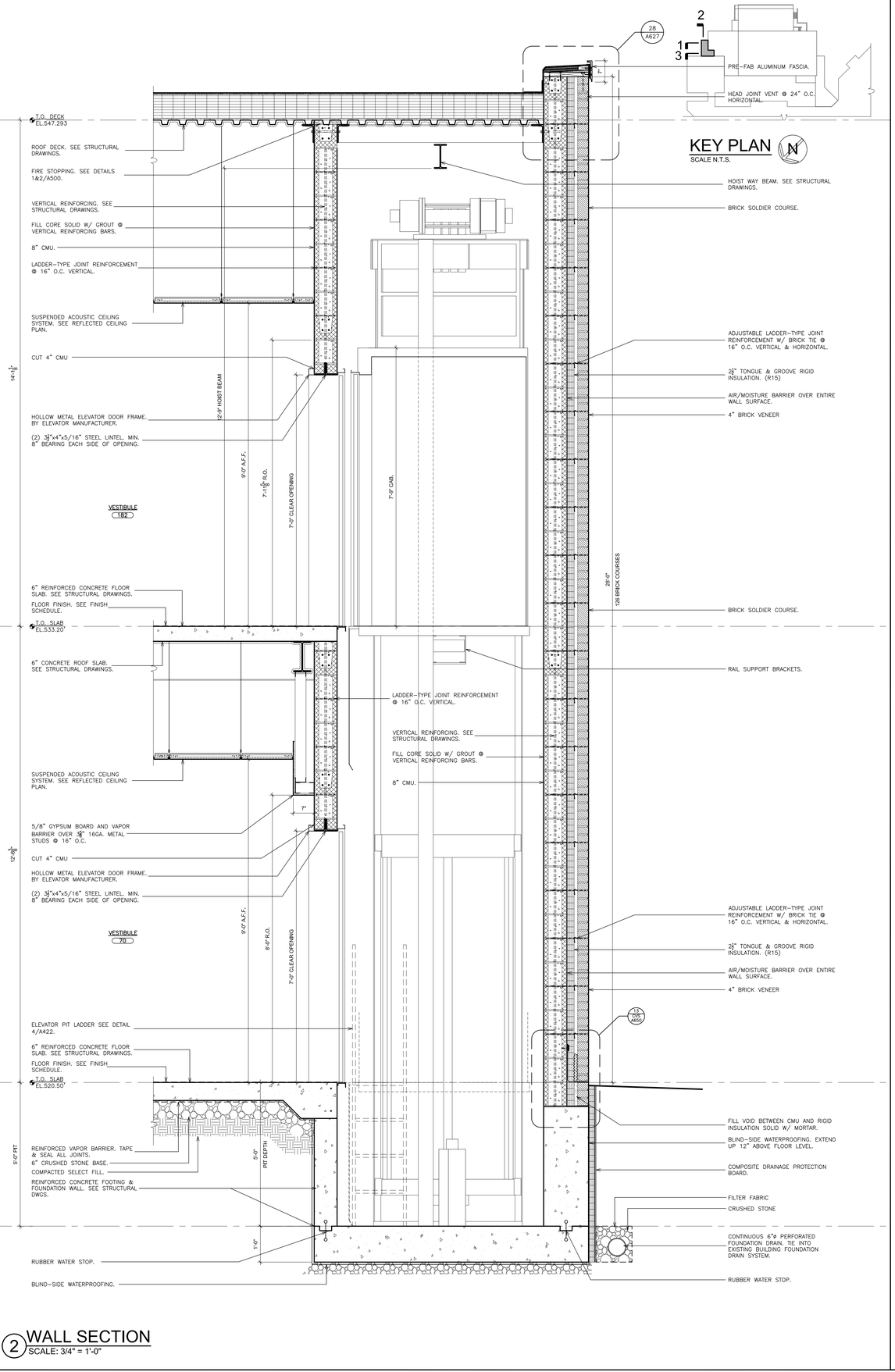

2 WALL SECTION
SCALE: 3/4" = 1'-0"

KEY PLAN
SCALE N.T.S.

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
PEEKSKILL CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & ALTERATIONS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
ALTERNATE 6C-2
ELEVATOR SECTIONS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A420
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:46am

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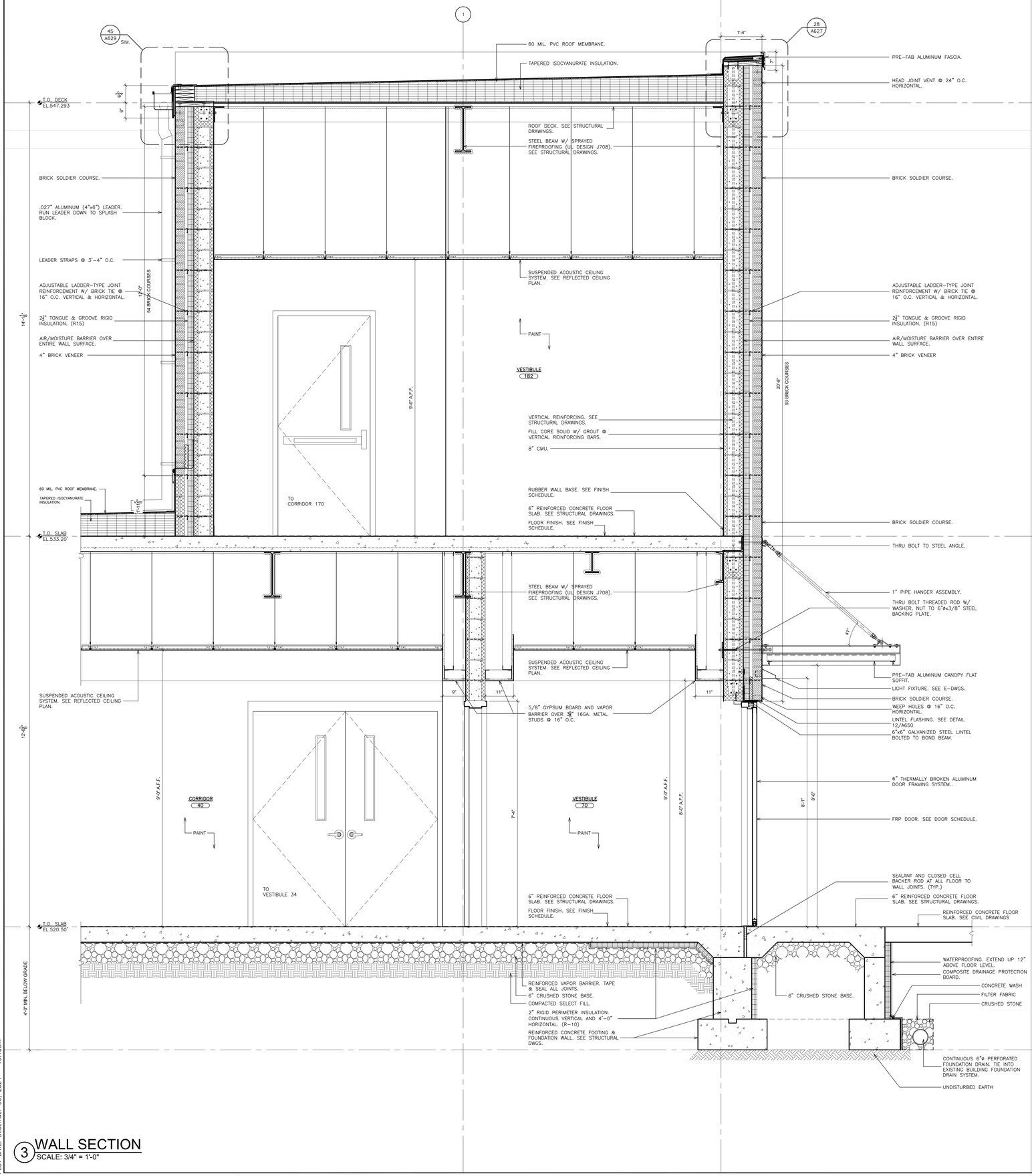

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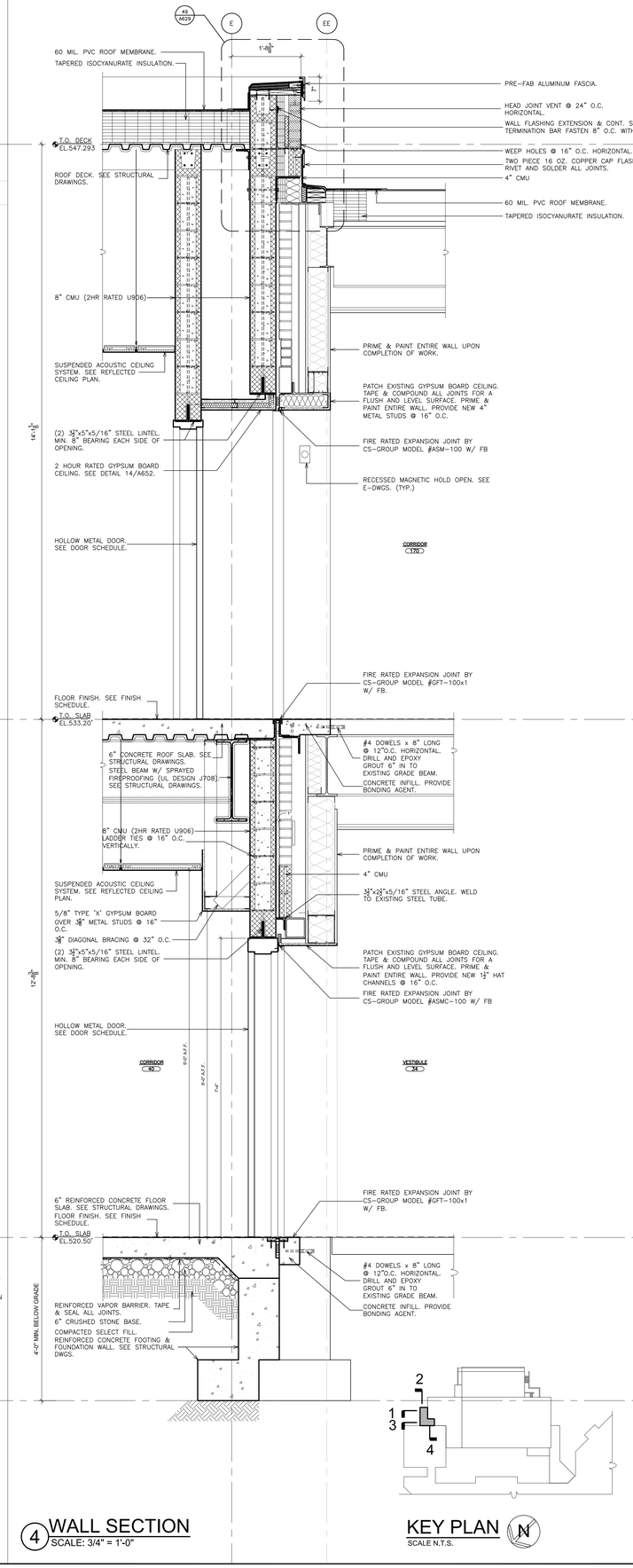
SCALE: 3/4" = 1'-0"



4 WALL SECTION
SCALE: 3/4" = 1'-0"

KEY PLAN
SCALE N.T.S.

AS PER USA CONGRESS ARCHITECTURAL WORKS COPYRIGHT PROTECTION ACT OF 1990 ALL IDEAS AND DESIGNS INCLUDING DERIVATIVES THEREOF, ALL DRAWINGS AND SPECIFICATIONS CONSTITUTE THE ORIGINAL COPYRIGHT WORK BY FULLER AND D'ANGELO, P.C. (F&D). THE DRAWINGS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE BY F&D ARE CREATED BY F&D FOR THIS PROJECT ONLY AND REMAIN THE PRODUCT AND PROPERTY OF F&D. ANY REPRODUCTION WITHOUT THE PRIOR CONSENT OF F&D IS PROHIBITED.

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
NEW YORK CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
ALTERNATE GC-2
ELEVATOR SECTIONS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A421
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:46am

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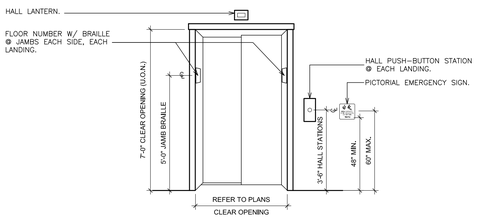

1 ELEVATOR ENTRANCE
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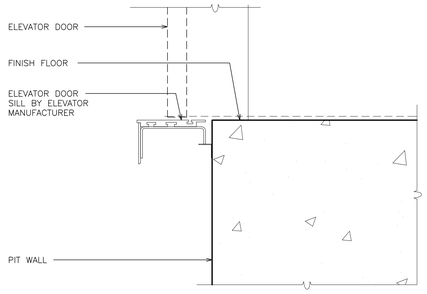

2 SILL SUPPORT DETAIL
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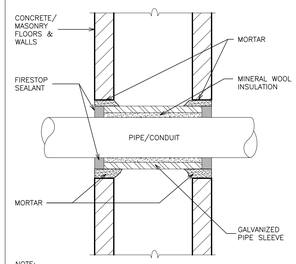
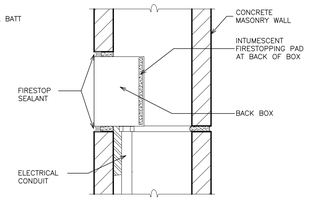
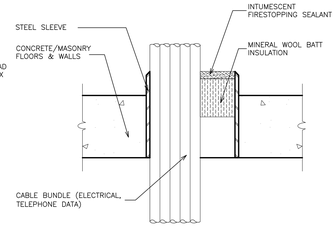


NOTE:
AT FIRE RATED CONSTRUCTION, SEALANT & FILL MATERIAL SHALL HAVE A FIRE RATING EQUAL TO OR GREATER THAN CONSTRUCTION BEING PENETRATED.

METALIC PIPE



UTILITY BACK BOX



CABLE

3 DETAILS - HOISTWAY PENETRATION
SCALE: N.T.S.

ELEVATOR NOTES:

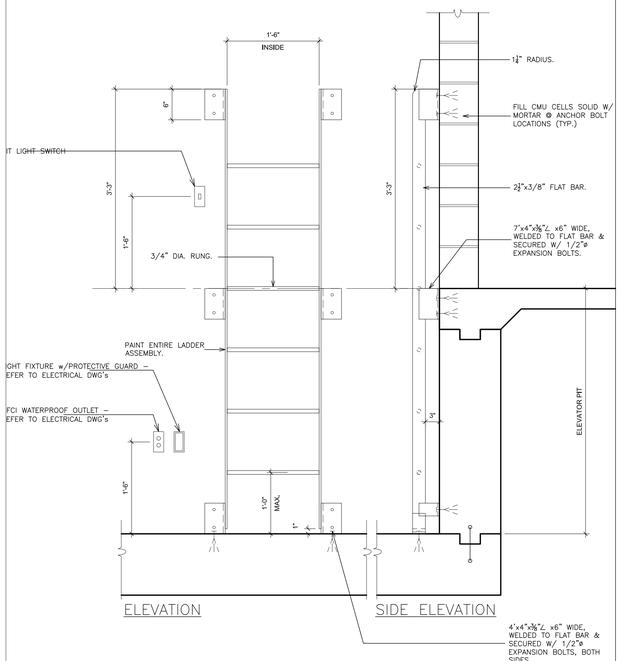
- HOISTWAY WALLS ARE TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE REQUIRED FIRE RATING INCLUDING WHERE PENETRATED BY ELEVATOR FIXTURE BOXES, AND TO INCLUDE ADEQUATE FASTENINGS TO HOISTWAY ASSEMBLIES. A HORIZONTAL SUPPORT MUST BE PROVIDED 12" ABOVE THE CLEAR OPENING AT EACH LANDING TO SUPPORT THE DOOR FRAME ASSEMBLY.
- REFER TO PROJECT SPECIFICATIONS FOR COMPLETE WORK SCOPE.
- PROVIDE HOISTWAY BARRICADES IN COMPLIANCE WITH OSHA AT ALL OPENINGS.
- ALL IMPOSED LOADS AFFECTING THE BUILDING STRUCTURE BY NEW EQUIPMENT SHALL BE VERIFIED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER, ENGAGED BY THE CONTRACTOR. FINAL REACTIONS SHALL BE DETERMINED BY THE CONTRACTOR'S ENGINEER.
- THE HOISTWAY SHALL BE IN ACCORDANCE WITH ELEVATOR SAFETY CODES AND ALL LOCAL CODES AND REGULATIONS.
- PROVIDE SLEEVES WITH FIRE STOPPING FOR ALL HOISTWAY PENETRATIONS.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY POWER AS REQUIRED BY THE ELEVATOR CONTRACTOR FOR INSTALLATION OF ELEVATOR EQUIPMENT.
- COORDINATE RAIL BRACKET LOCATIONS WITH ELEVATOR MANUFACTURER. FILL ALL MASONRY SOLID WITH GROUT.
- PROVIDE ONE (1) DEDICATED OUTSIDE 24 HR. SOURCE TELEPHONE LINE.

HOISTWAY

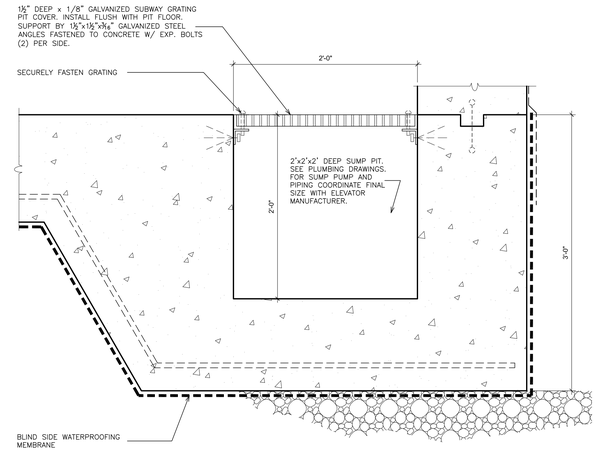
- PIT LIGHT WITH GUARDS, GFCI RECEPTACLE AND LIGHT SWITCH REQUIRED. SEE ELECTRICAL DRAWINGS.
- TELEPHONE CABLE WITHIN THE HOISTWAY SHALL BE PROVIDED BY THE ELEVATOR CONTRACTOR.
- HOISTWAY TO BE FIRE STOPPED AT ALL PENETRATIONS.
- NO CONDUIT, WIRING OR PIPING OTHER THAN THAT PERTAINING TO THE ELEVATOR EQUIPMENT IS PERMITTED IN THE HOISTWAY.
- MAINTAIN WATER PROOFING IN PIT.
- PROVIDE SUMP PIT WITH A HEAD-PIPED SUMP PUMP. PROVIDED METAL COVER FLUSH WITH FLOOR AND ABLE TO SUPPORT A LOAD OF 200 lbs. LOCATION TO BE COORDINATE W/ ELEVATOR MANUFACTURER TO AVOID ELEVATOR COMPONENTS AND ACCESS AREA.
- COORDINATE DRAIN AND SUMP PUMP WITH PLUMBING CONTRACTOR.
- PROJECTIONS, RECESSES AND SETBACKS WITHIN ELEVATOR HOST WAYS GREATER THAN 2" WHICH OCCUR ON SIDES NOT USED FOR LOADING SHALL BE BEVELED AT AN ANGLE OF NOT LESS THAN 75 DEGREES WITH THE HORIZONTAL.

FIRE RECALL / SMOKE DETECTORS

- ELEVATOR TO BE PROVIDED WITH BATTERY POWERED EMERGENCY RETURN UNIT.
- ELEVATOR SHALL BE PROVIDED WITH PHASE I EMERGENCY RECALL OPERATION AND PHASE II EMERGENCY IN-CAR OPERATION IN ACCORDANCE WITH ASME A17.1/CSA B44.
- SMOKE DETECTORS ARE REQUIRED IN EACH ELEVATOR LOBBY, HOISTWAY AND MACHINE ROOM.
- PROVIDE THREE (3) SIGNALS FROM FIRE ALARM PANEL/ SMOKE DETECTOR TO ELEVATOR CONTROLLERS.
  - #1) ELEVATOR RECALL TO THE PRIMARY/ DESIGNATED LEVEL.
  - #2) ELEVATOR RECALL TO ALTERNATE LEVEL.
  - #3) MACHINE ROOM AND HOISTWAY SMOKE DETECTORS INITIATE RECALL TO THE DESIGNATED LEVEL.



4 DETAILS - ELEVATOR PIT LADDER
SCALE: 1" = 1'-0"



5 DETAIL - SUMP PIT SECTION
SCALE: 1 1/2" = 1'-0"

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
ALTERNATE GC-2
ELEVATOR SECTIONS & DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
SCALE AS NOTED
DRAWN BY
DRAWING NO. CVS A422
FILE NO. 23505.02

PLOT DATE: December 05, 2024 — 10:47am

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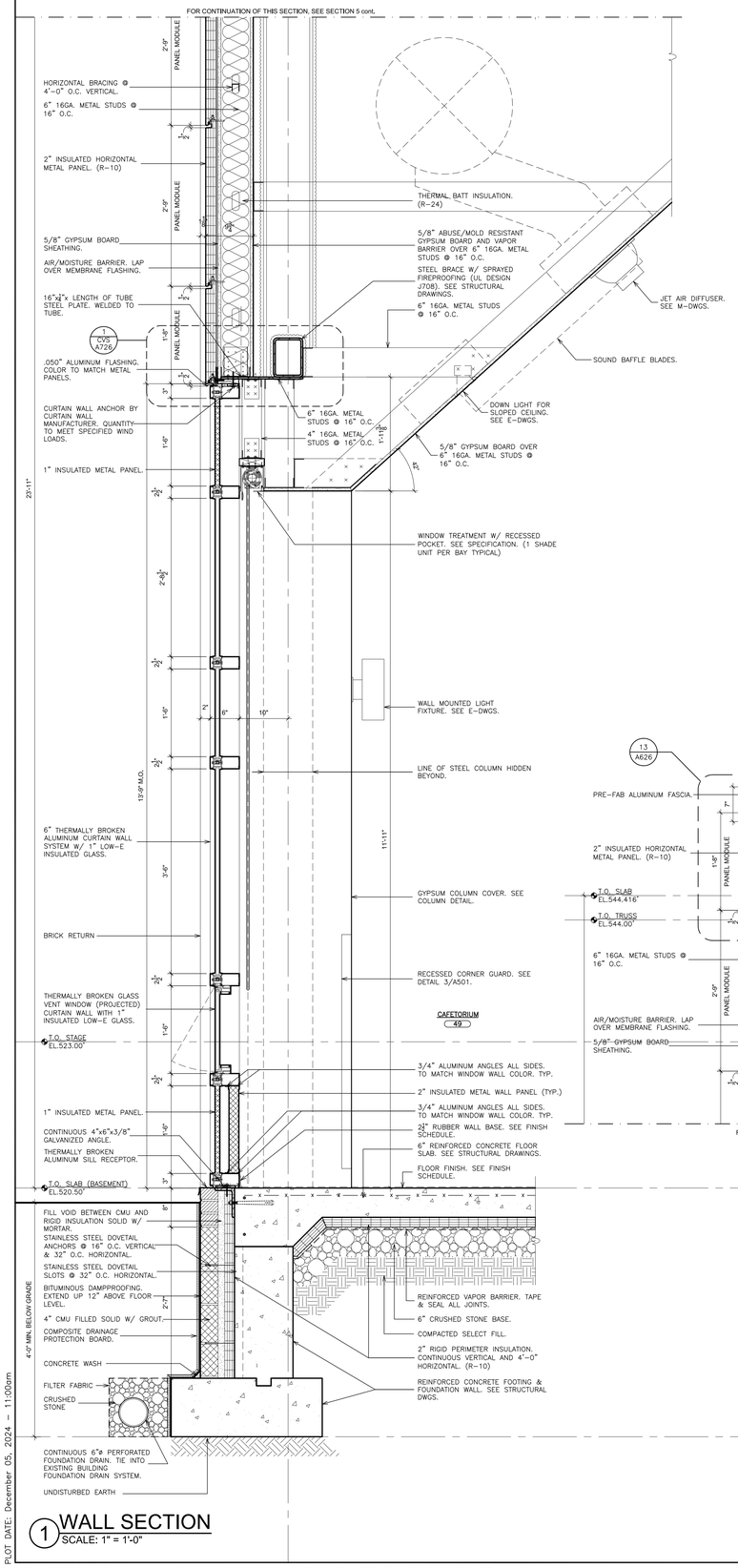

1 WALL SECTION
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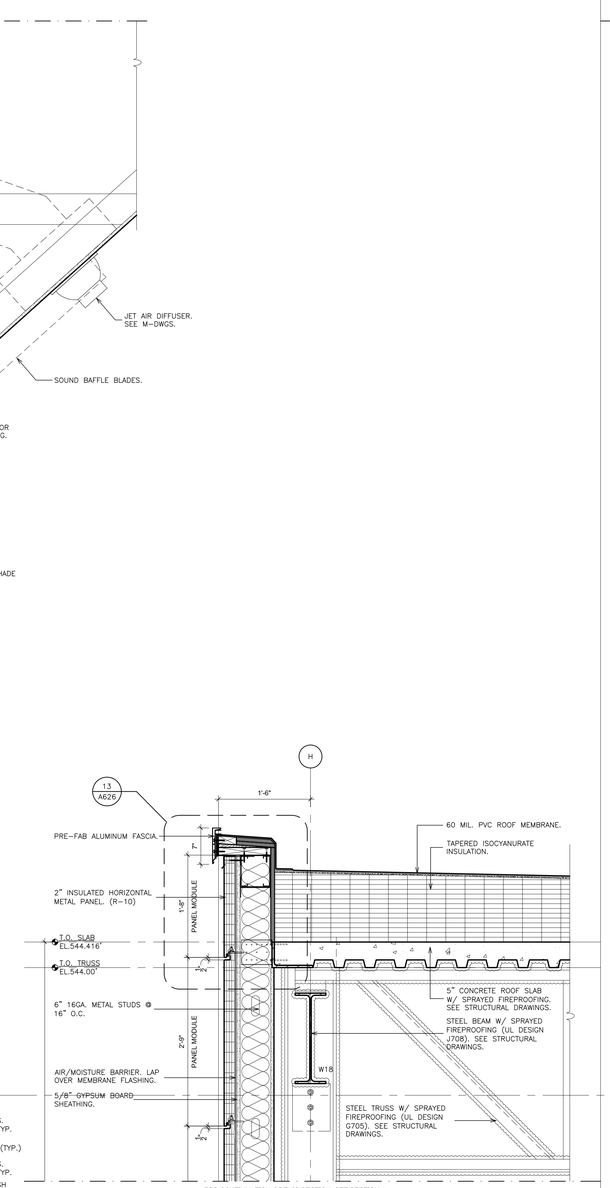

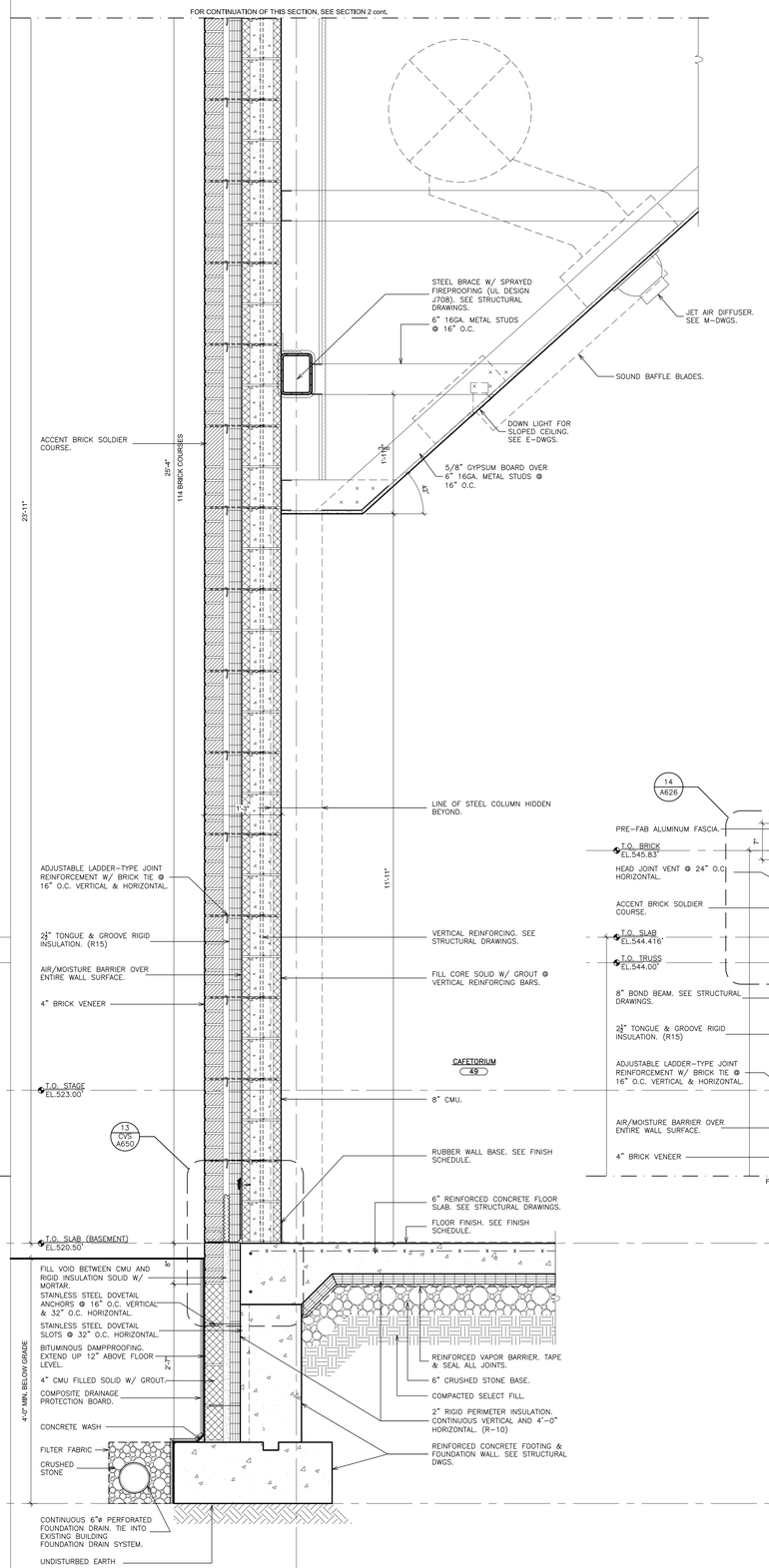

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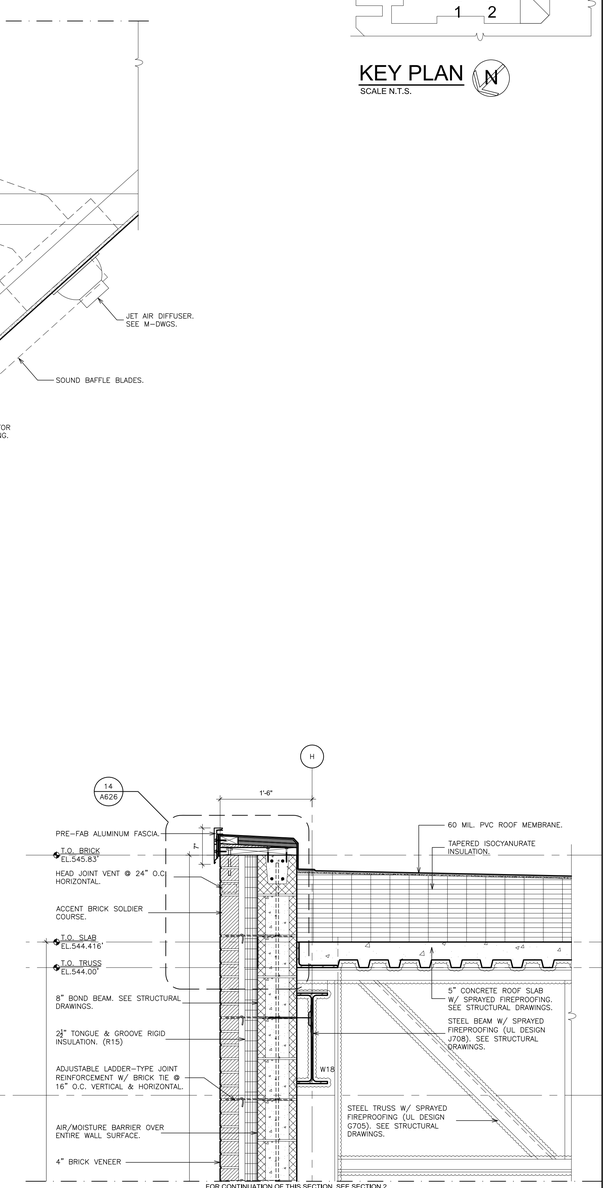

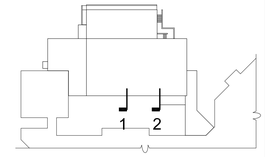

KEY PLAN
SCALE N.T.S.

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
NEW CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION INTERIOR
RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

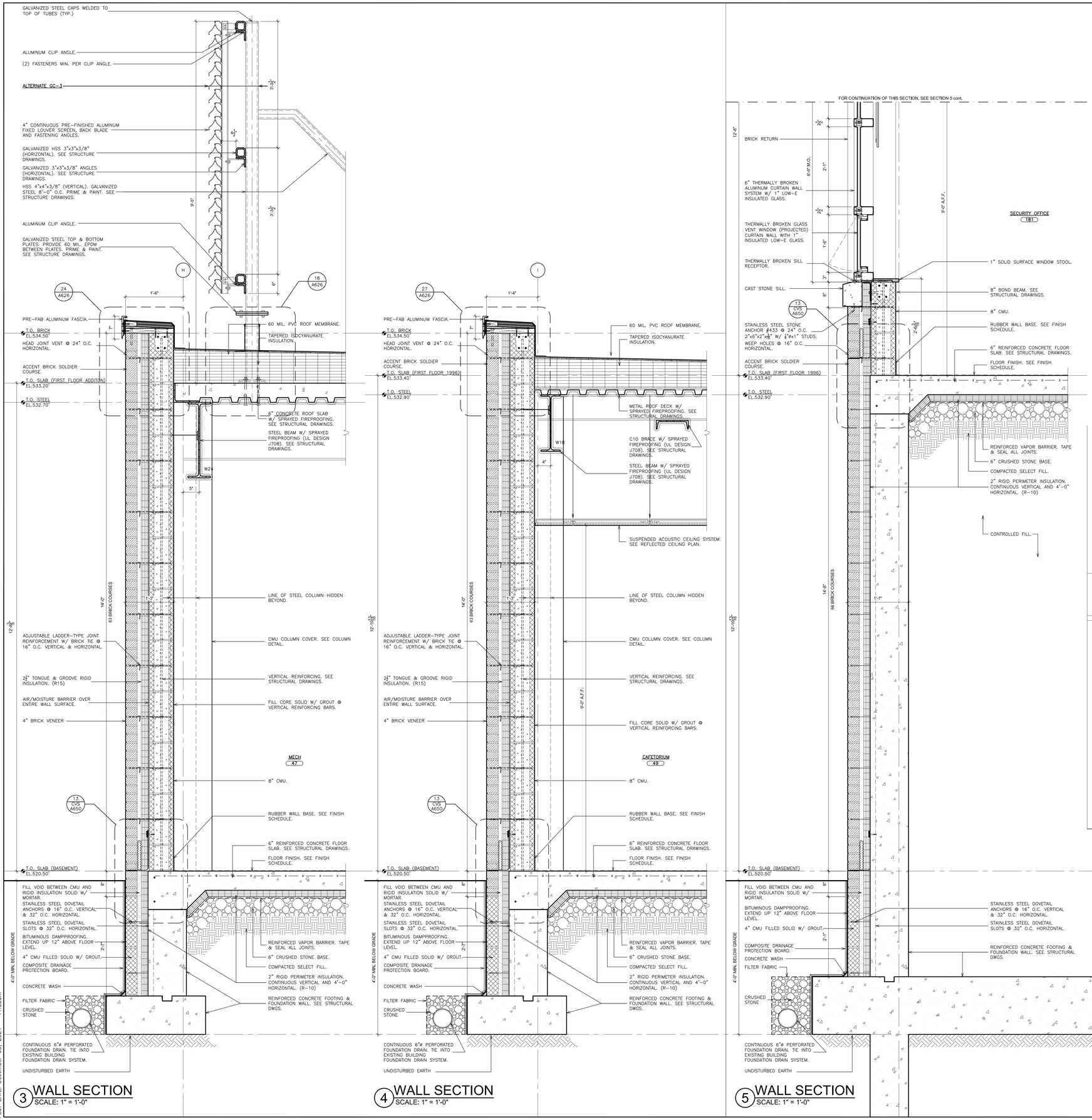
DRAWING TITLE
WALL SECTIONS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A425
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 11:00am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A425-433.dwg



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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER: 48-06-01-06-0-001-026

PROJECT TITLE
HASTINGS CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION/INTERIOR RENOVATIONS & ADDITIONAL WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
WALL SECTIONS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
06-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A426
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

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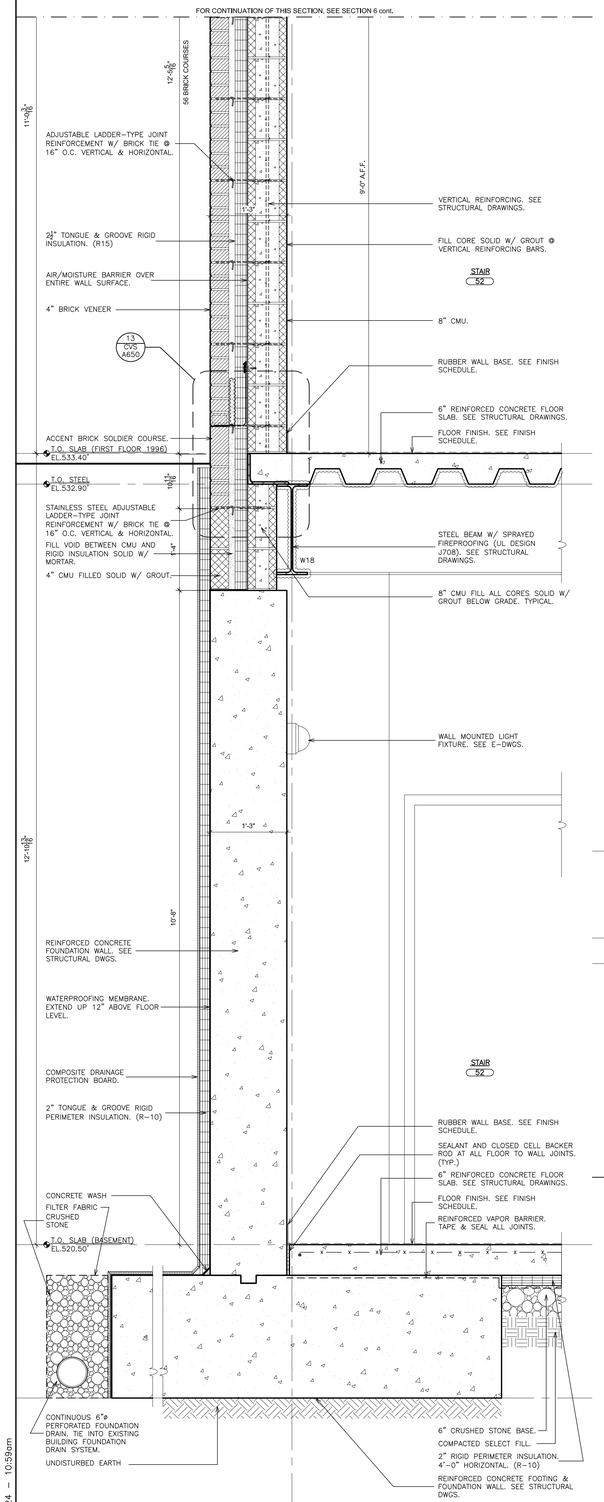
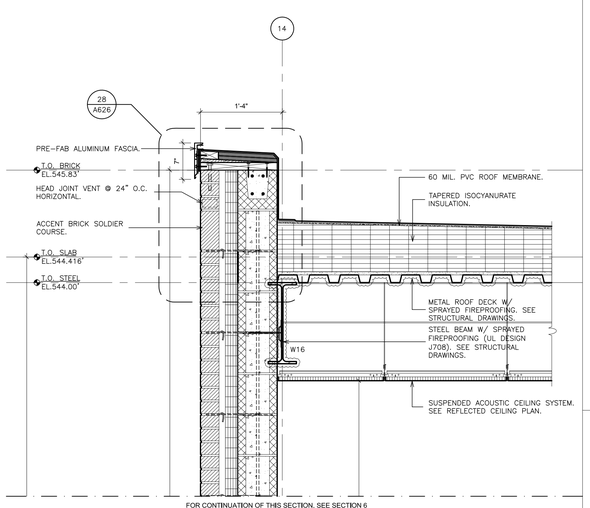
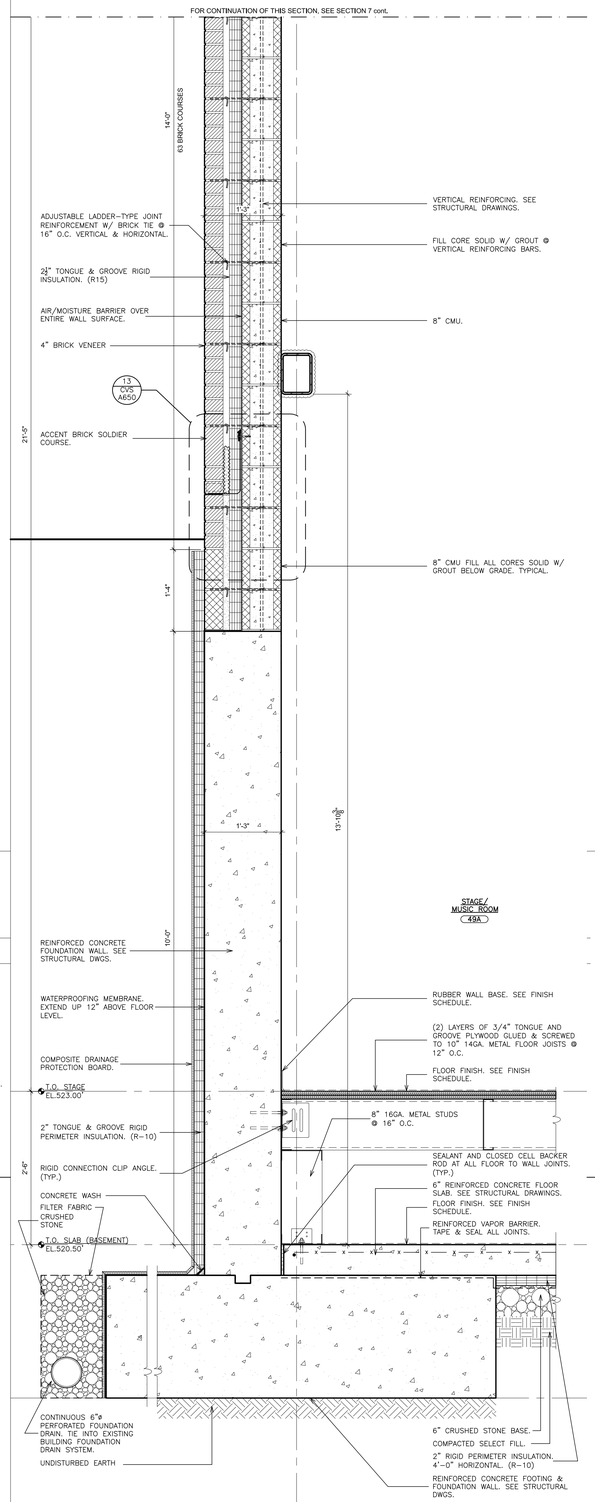
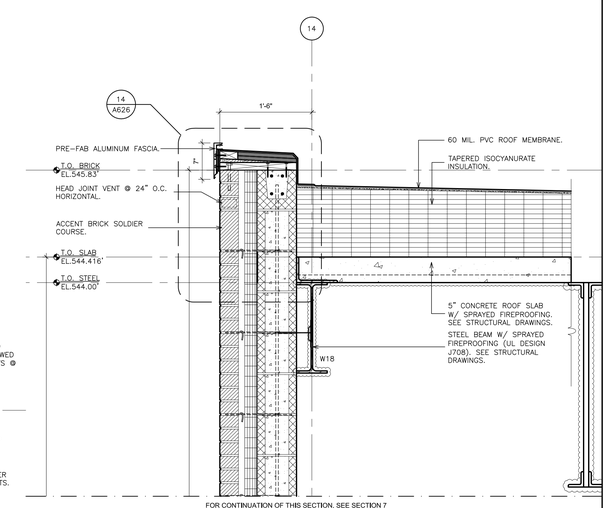




6 WALL SECTION
SCALE: 1" = 1'-0"





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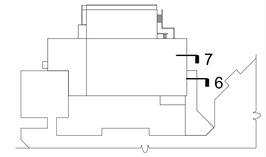

KEY PLAN
SCALE N.T.S.

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48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION & INTERIOR RENOVATIONS & EXISTING CAFETERIA
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
WALL SECTIONS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A427
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:59am

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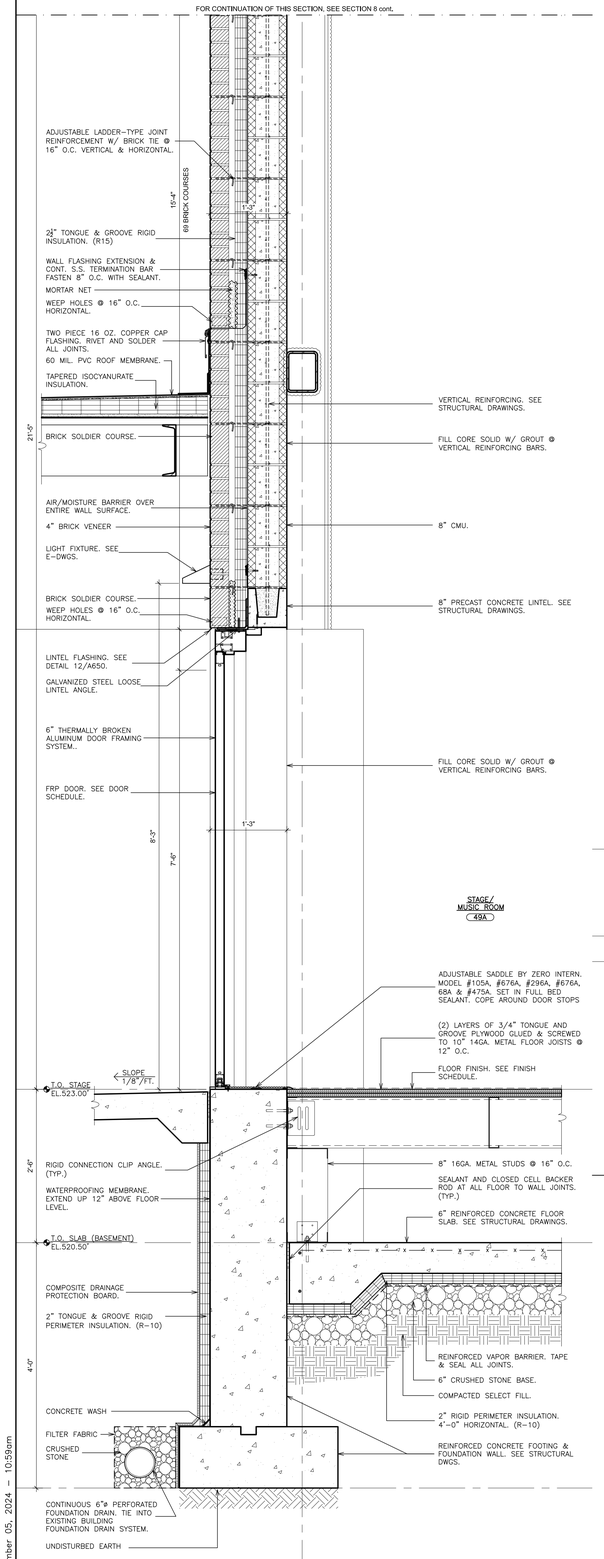
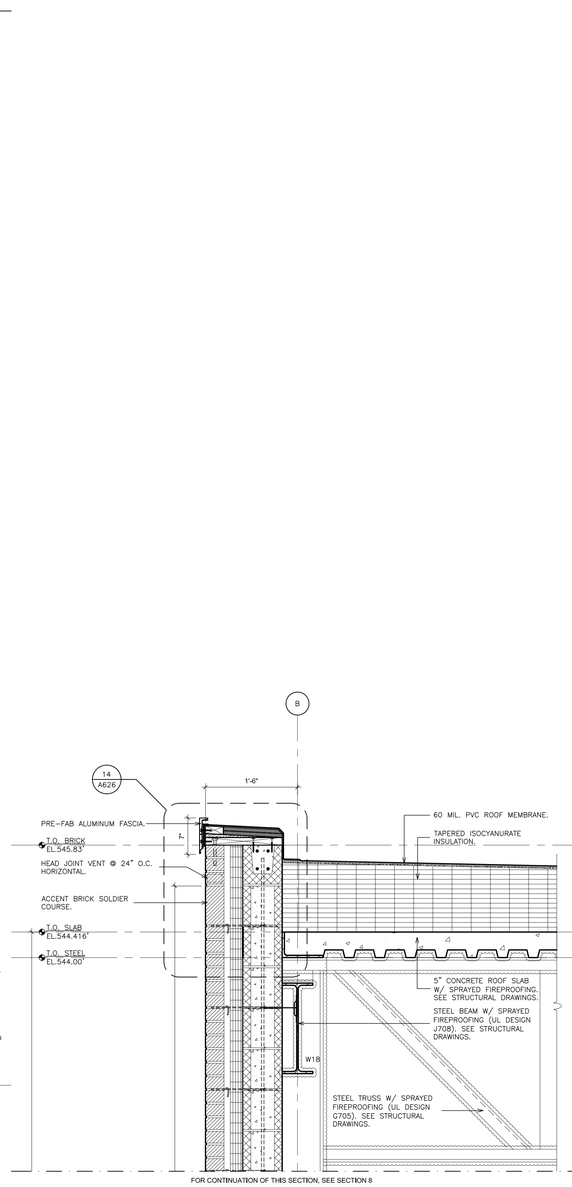
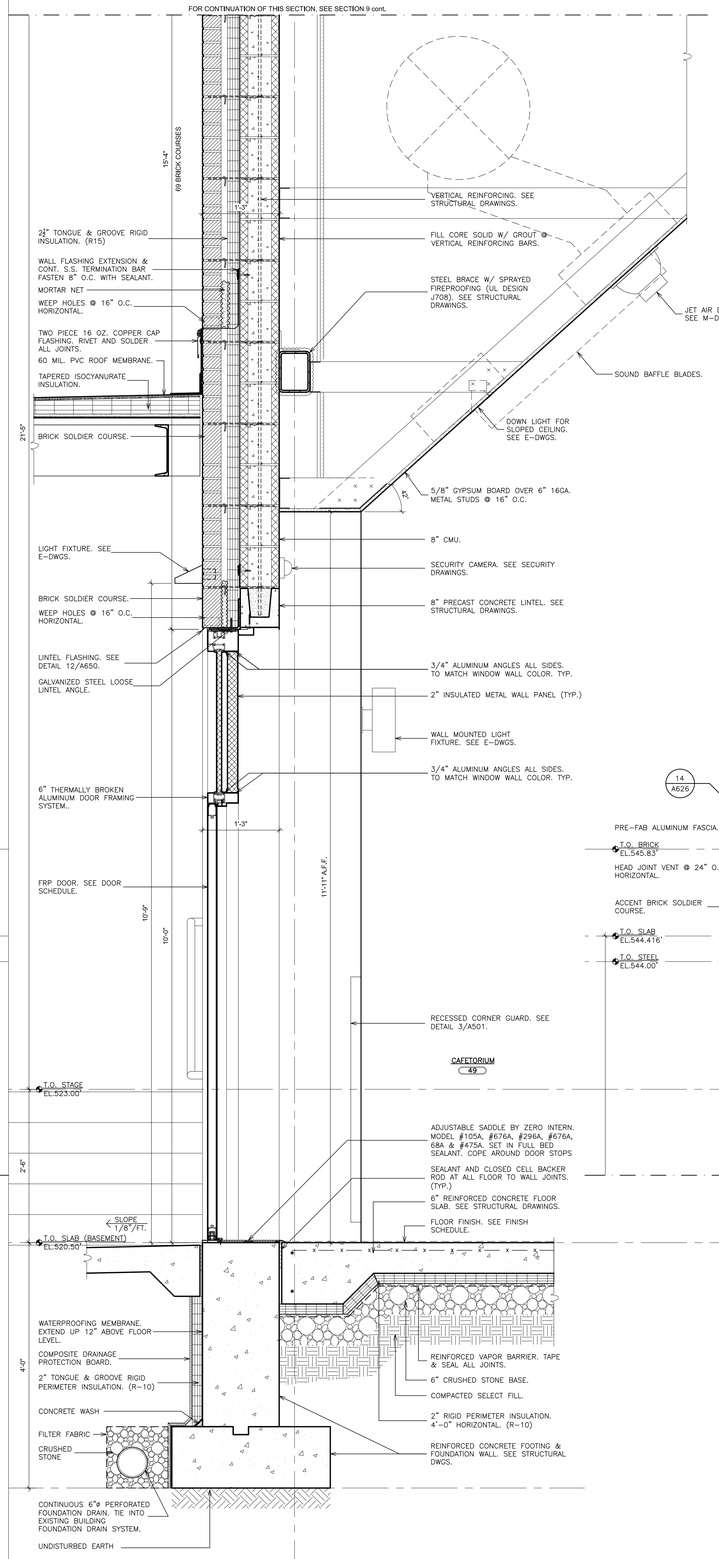
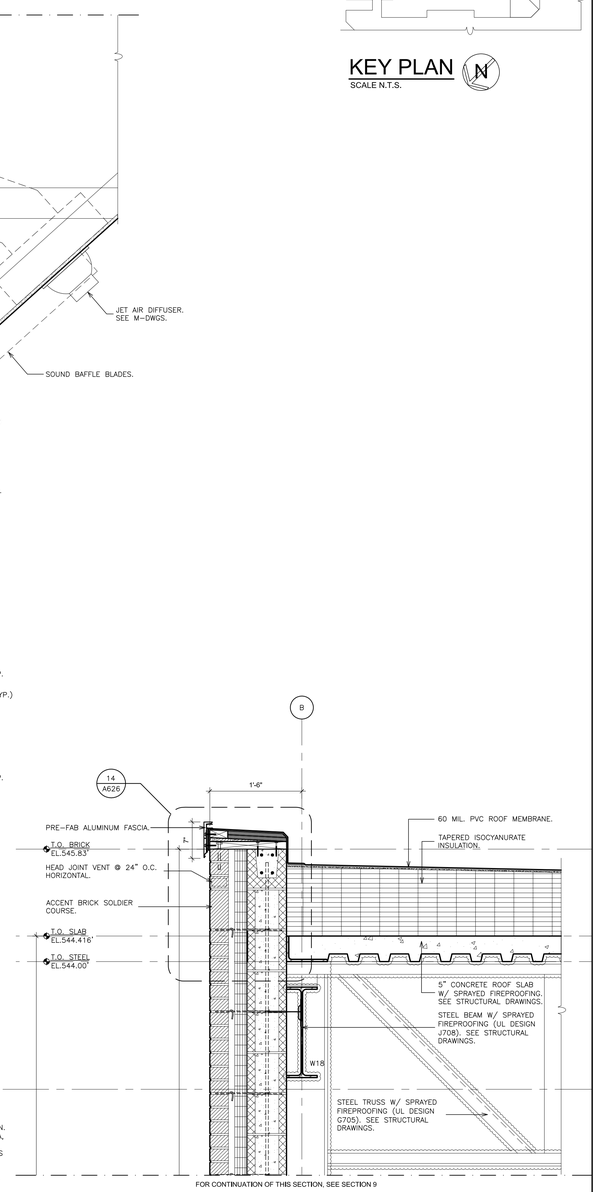




8 WALL SECTION
SCALE: 1" = 1'-0"





9 WALL SECTION
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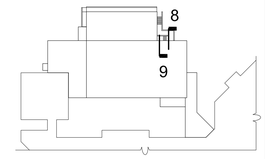

KEY PLAN
SCALE N.T.S.

AS PER USA CONGRESS ARCHITECTURAL WORKS COPYRIGHT PROTECTION ACT OF 1990 ALL IDEAS AND DESIGNS INCLUDING DERIVATIVES THEREOF, ALL DRAWINGS AND SPECIFICATIONS CONSTITUTE THE ORIGINAL COPYRIGHT WORK BY FULLER AND D'ANGELO, P.C. (F&D). THE DRAWINGS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE BY F&D ARE CREATED BY F&D FOR THIS PROJECT ONLY AND REMAIN THE PRODUCT AND PROPERTY OF F&D. ANY REPRODUCTION WITHOUT THE PRIOR CONSENT OF F&D IS PROHIBITED.

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
NEW CASTLE CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR
RENOVATIONS AND SELECTIVE DEMOLITION
20 FARM TO MARKET ROAD BREWSTER, NY 10509

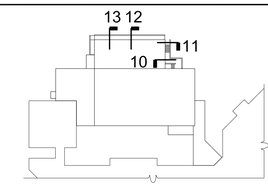
DRAWING TITLE
WALL SECTIONS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A428
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:59am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A425-433.dwg



KEY PLAN
SCALE N.T.S.

AS PER USA CONGRESS ARCHITECTURAL WORKS COPYRIGHT PROTECTION ACT OF 1990 ALL IDEAS AND DESIGNS INCLUDING DERIVATIVES THEREOF, ALL DRAWINGS AND SPECIFICATIONS CONSTITUTE THE ORIGINAL COPYRIGHT WORK BY FULLER AND D'ANGELO, P.C. (F&D). THE DRAWINGS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE BY F&D ARE CREATED BY F&D FOR THIS PROJECT ONLY AND REMAIN THE PRODUCT AND PROPERTY OF F&D. ANY REPRODUCTION WITHOUT THE PRIOR CONSENT OF F&D IS PROHIBITED.

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND SITE IMPROVEMENTS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
WALL SECTIONS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A429
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

10 WALL SECTION
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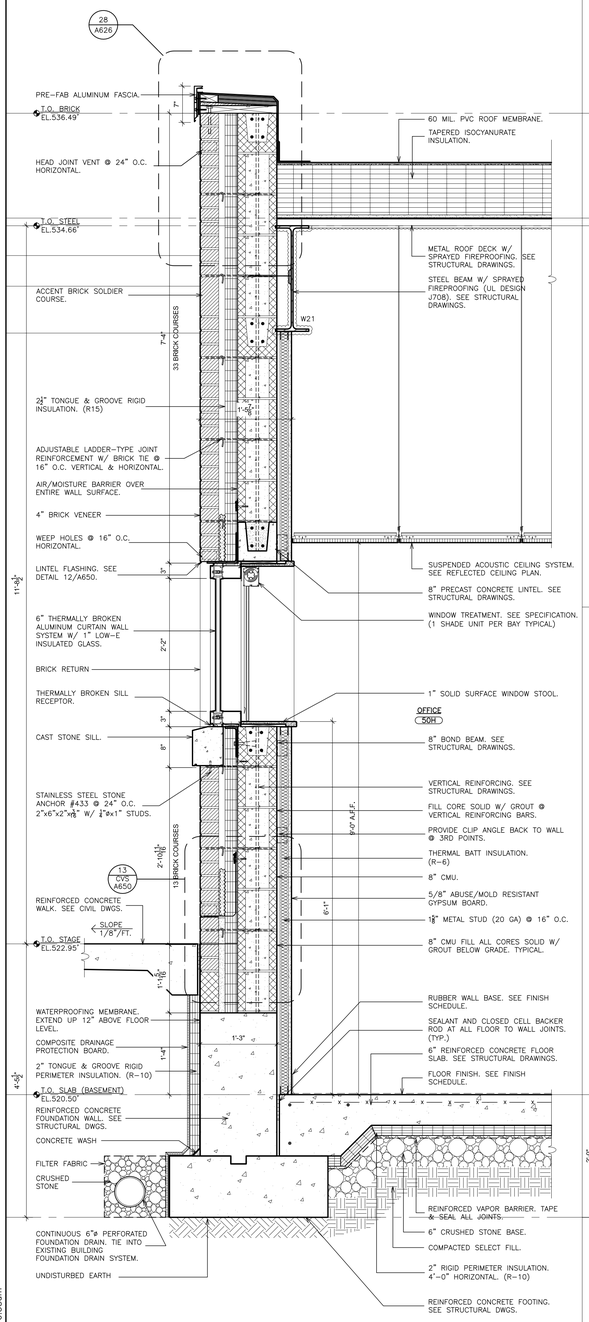

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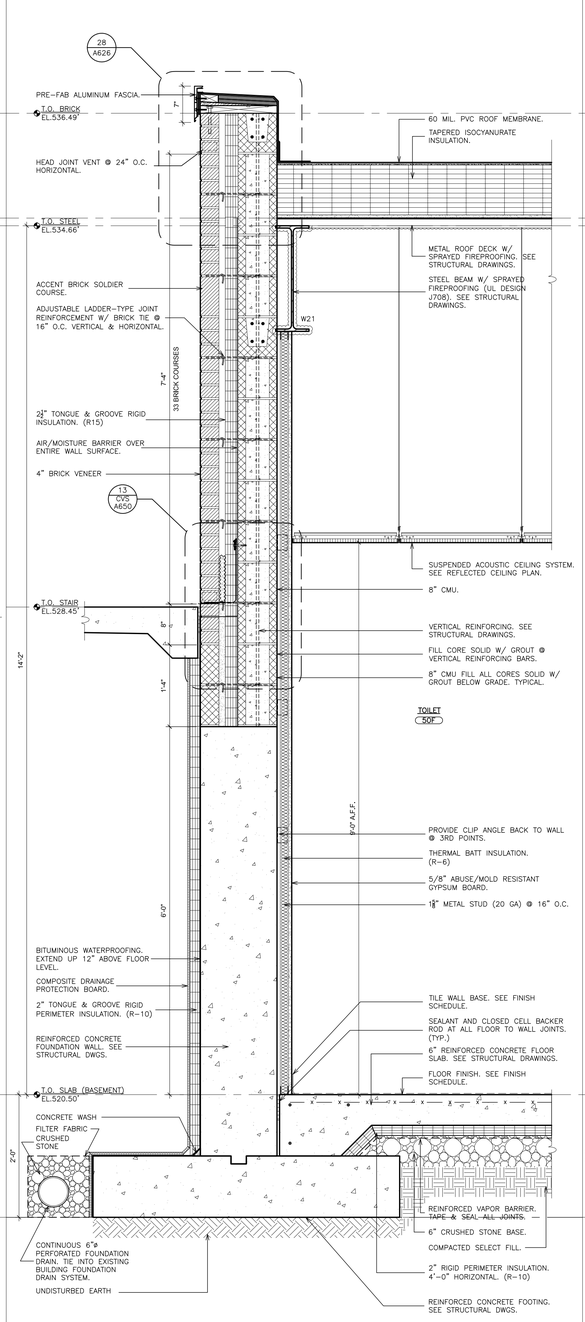
SCALE: 1" = 1'-0"



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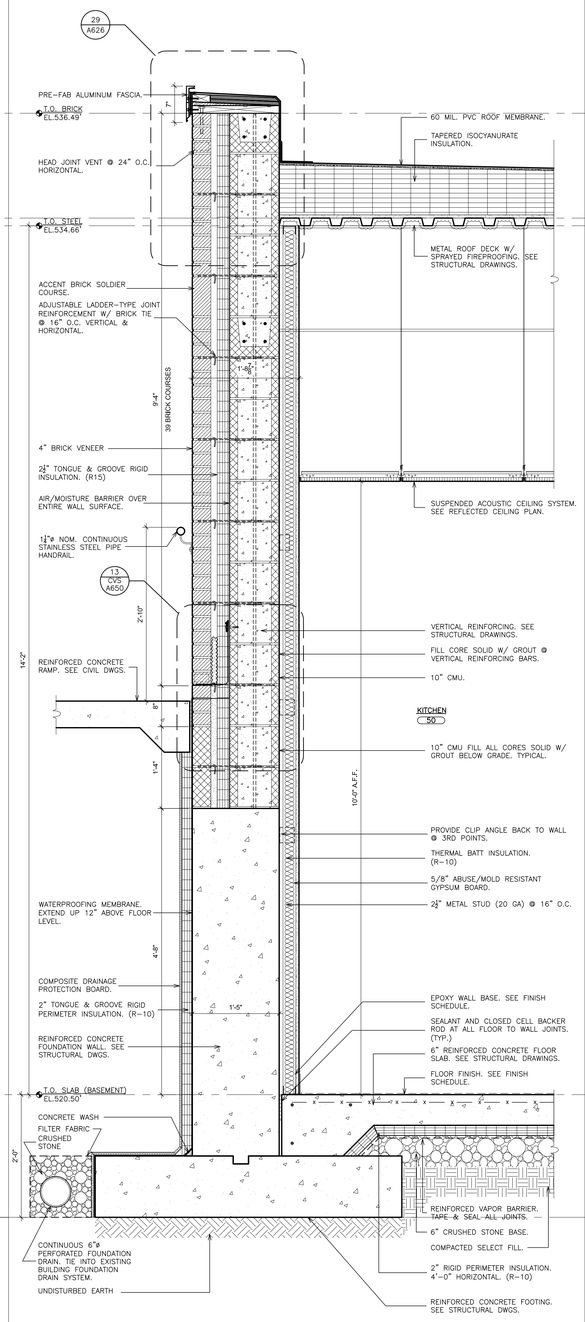

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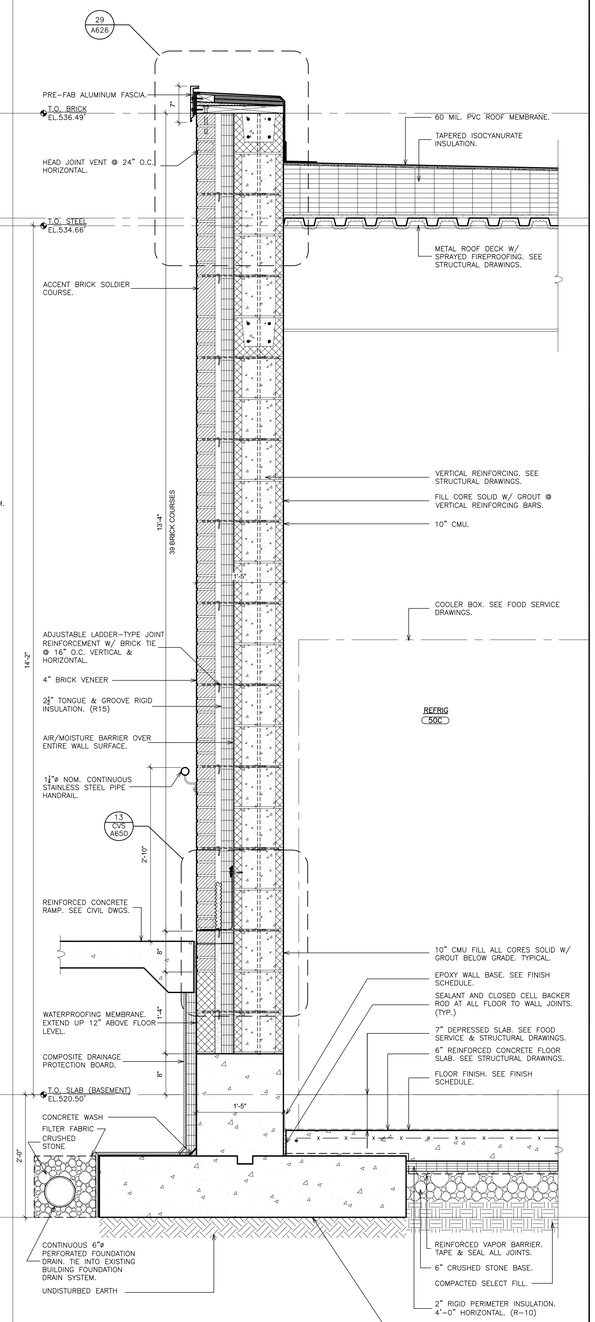
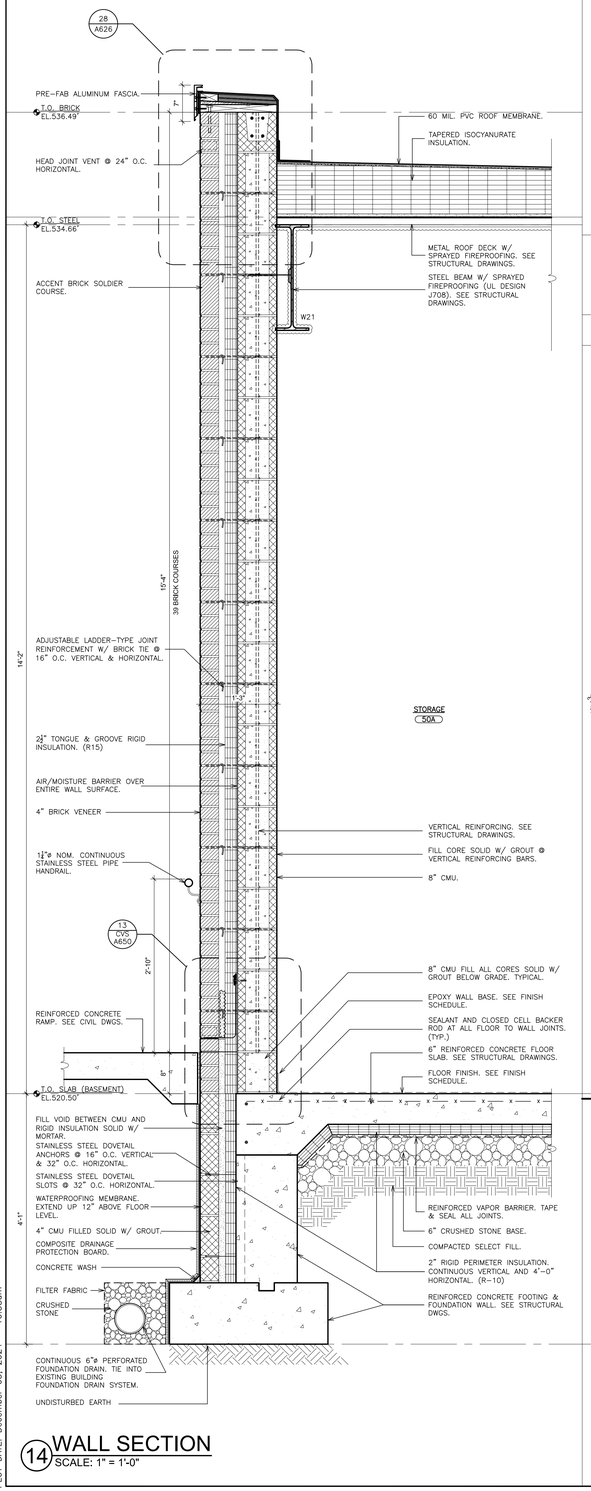


PLOT DATE: December 05, 2024 - 10:58am
FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A425-433.dwg



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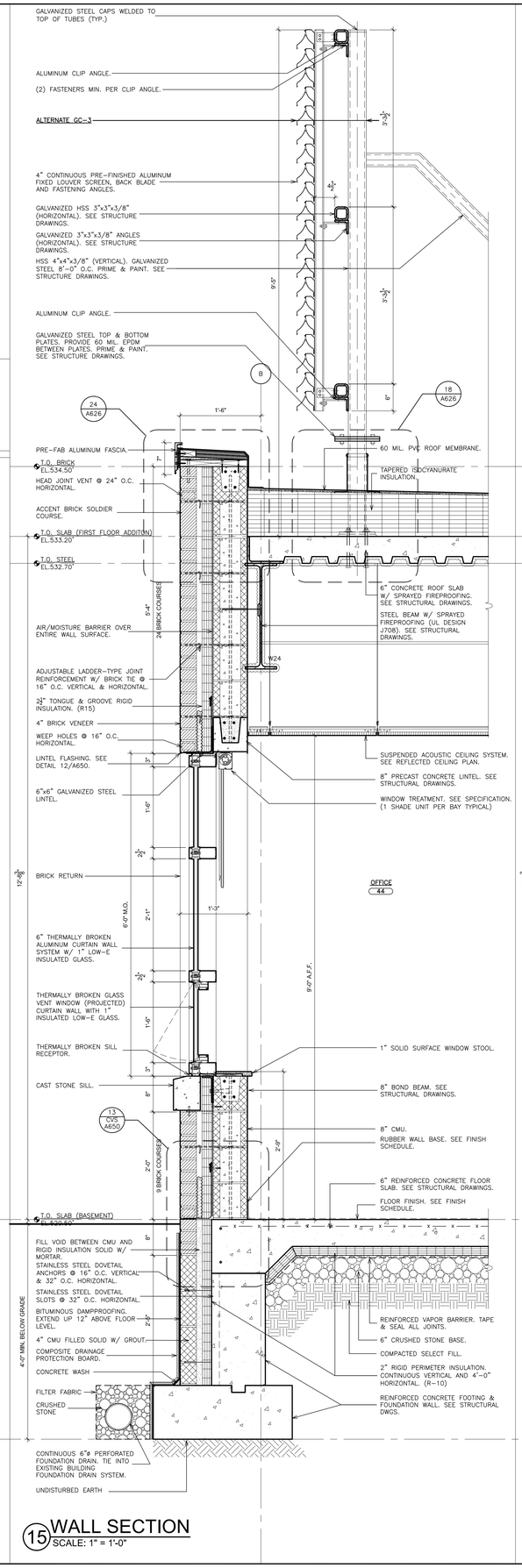

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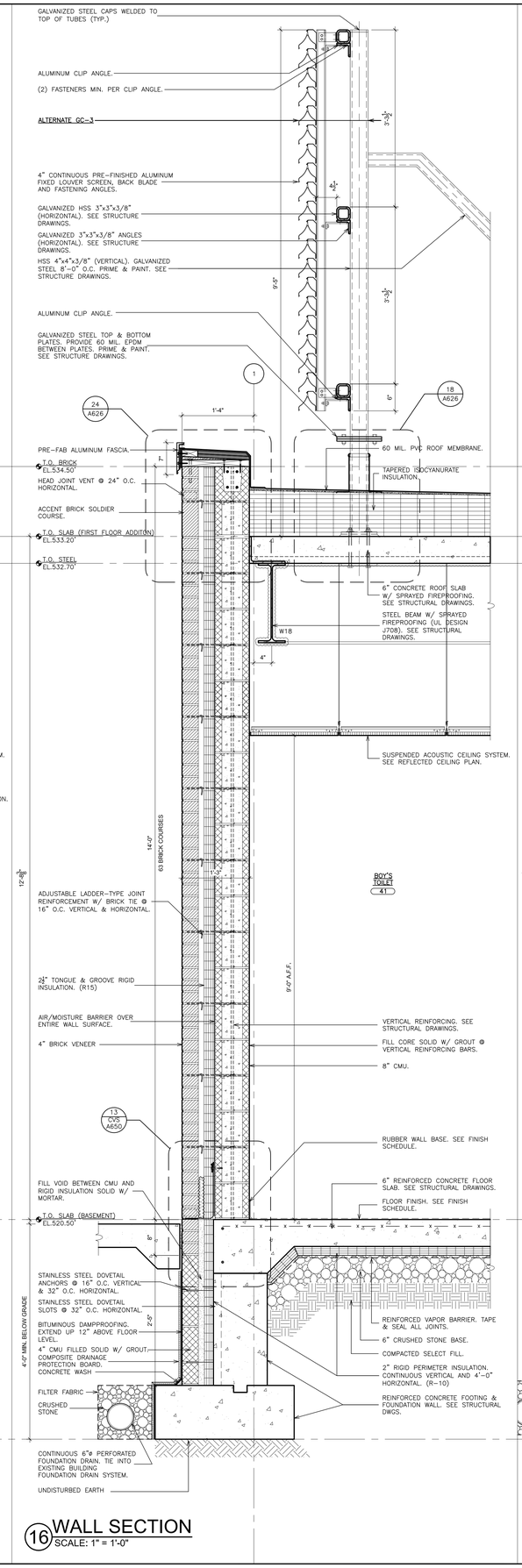

16 WALL SECTION
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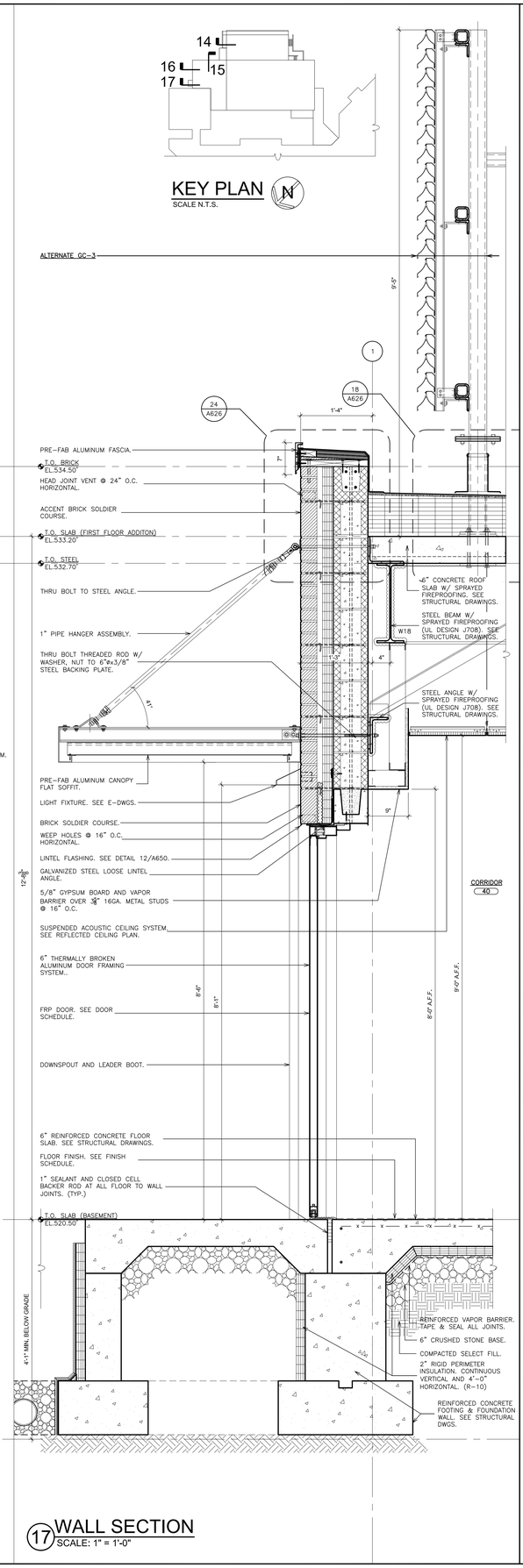

17 WALL SECTION
SCALE: 1" = 1'-0"

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
NEW CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION & INTERIOR RENOVATIONS AT EXISTING SCHOOL
20 FARM TO MARKET ROAD BREWSTER, NY 10509

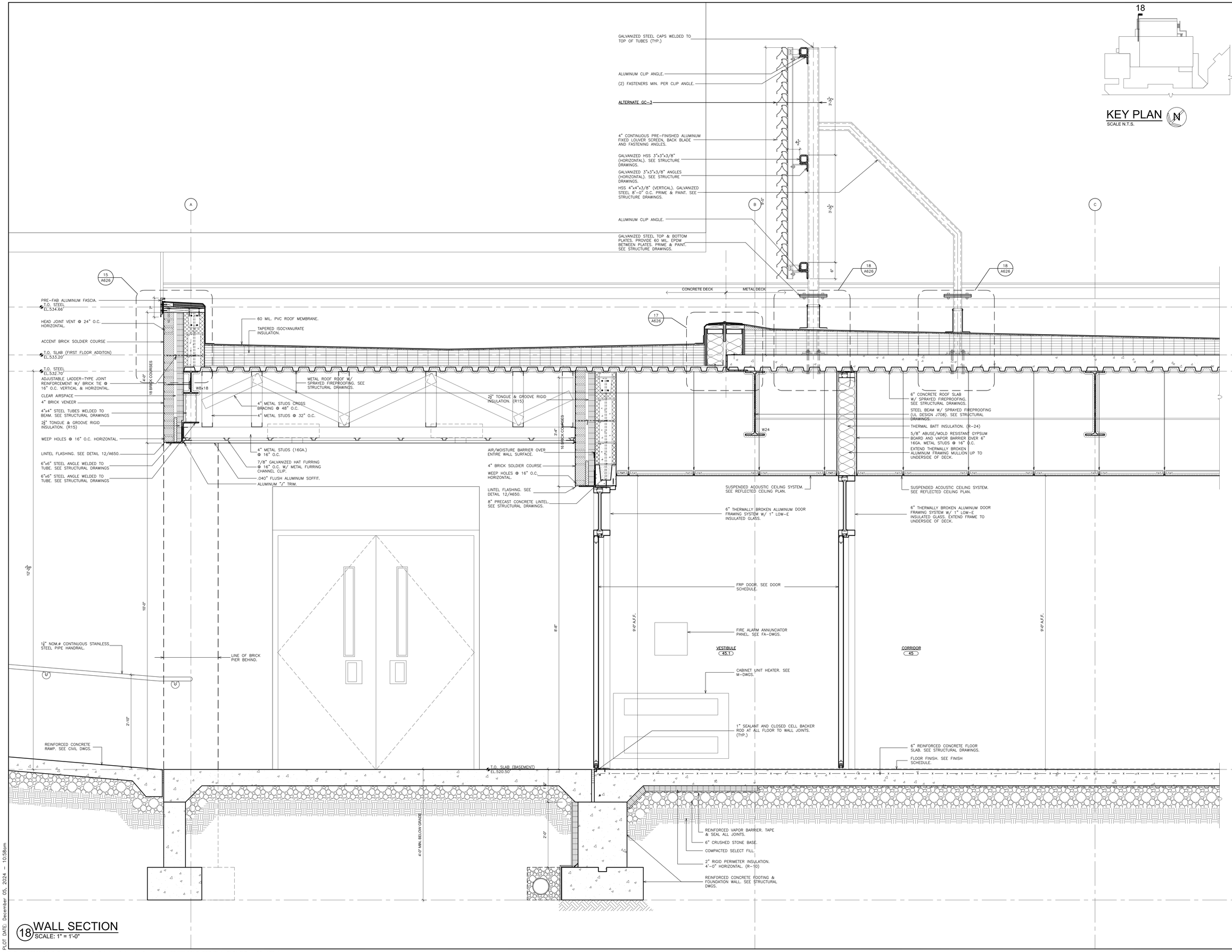
DRAWING TITLE
WALL SECTIONS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A430
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:58am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A425-433.dwg



18 WALL SECTION
SCALE: 1" = 1'-0"

18

KEY PLAN
SCALE N.T.S.

AS PER USA CONGRESS ARCHITECTURAL WORKS COPYRIGHT PROTECTION ACT OF 1990 ALL IDEAS AND DESIGNS INCLUDING DERIVATIVES THEREOF, ALL DRAWINGS AND SPECIFICATIONS CONSTITUTE THE ORIGINAL COPYRIGHT WORK BY FULLER AND D'ANGELO, P.C. (F&D). THE DRAWINGS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE BY F&D ARE CREATED BY F&D FOR THIS PROJECT ONLY AND REMAIN THE PRODUCT AND PROPERTY OF F&D. ANY REPRODUCTION WITHOUT THE PRIOR CONSENT OF F&D IS PROHIBITED.

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STAFR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION IN TERROR
RENOVATIONS AND ALTERATIONS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
WALL SECTIONS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS A431
SCALE: AS NOTED
DRAWN BY:
FILE NO.: 23505.02

PLOT DATE: December 05, 2024 - 10:58am

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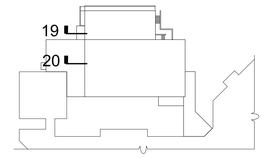
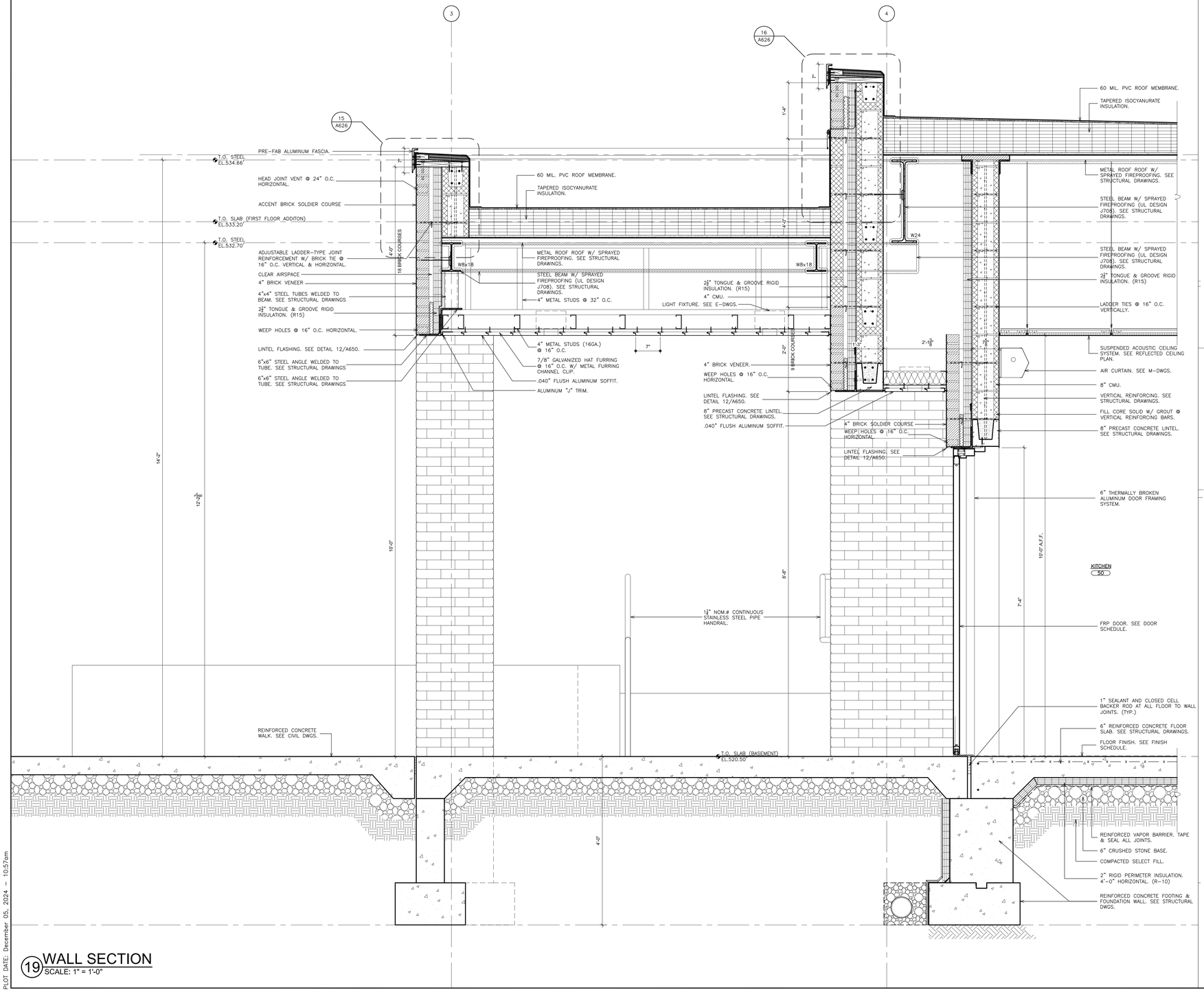
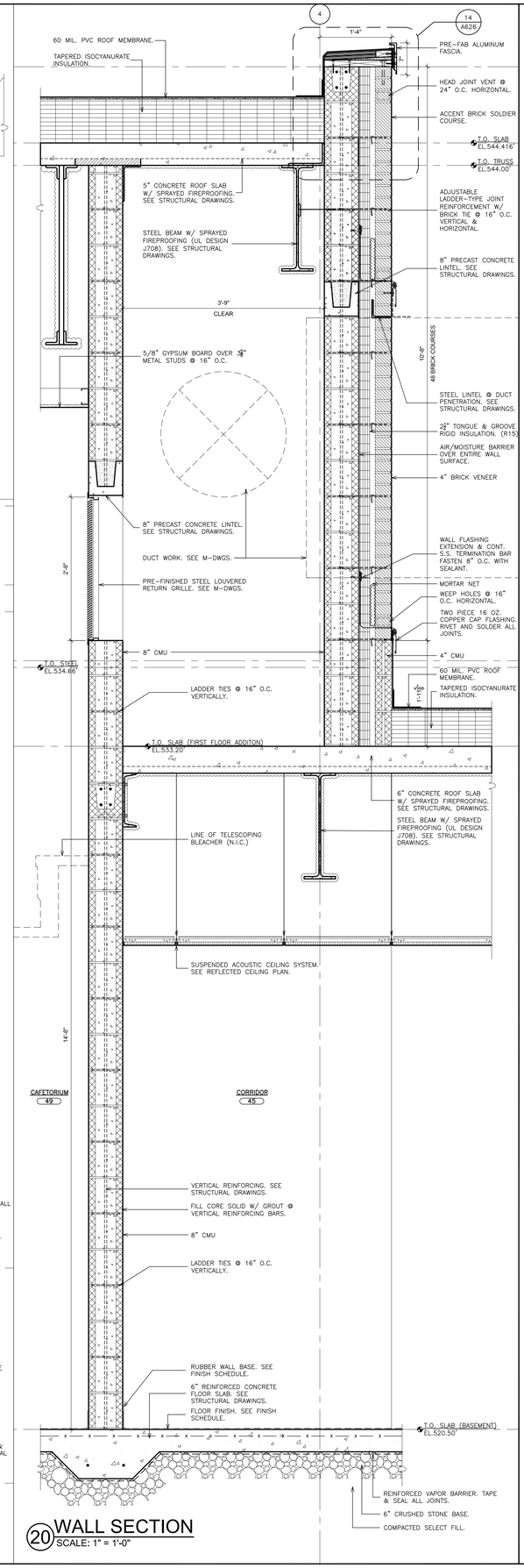


KEY PLAN
SCALE N.T.S.



19 WALL SECTION
SCALE: 1" = 1'-0"



20 WALL SECTION
SCALE: 1" = 1'-0"

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
WALL SECTIONS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A432
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:57am

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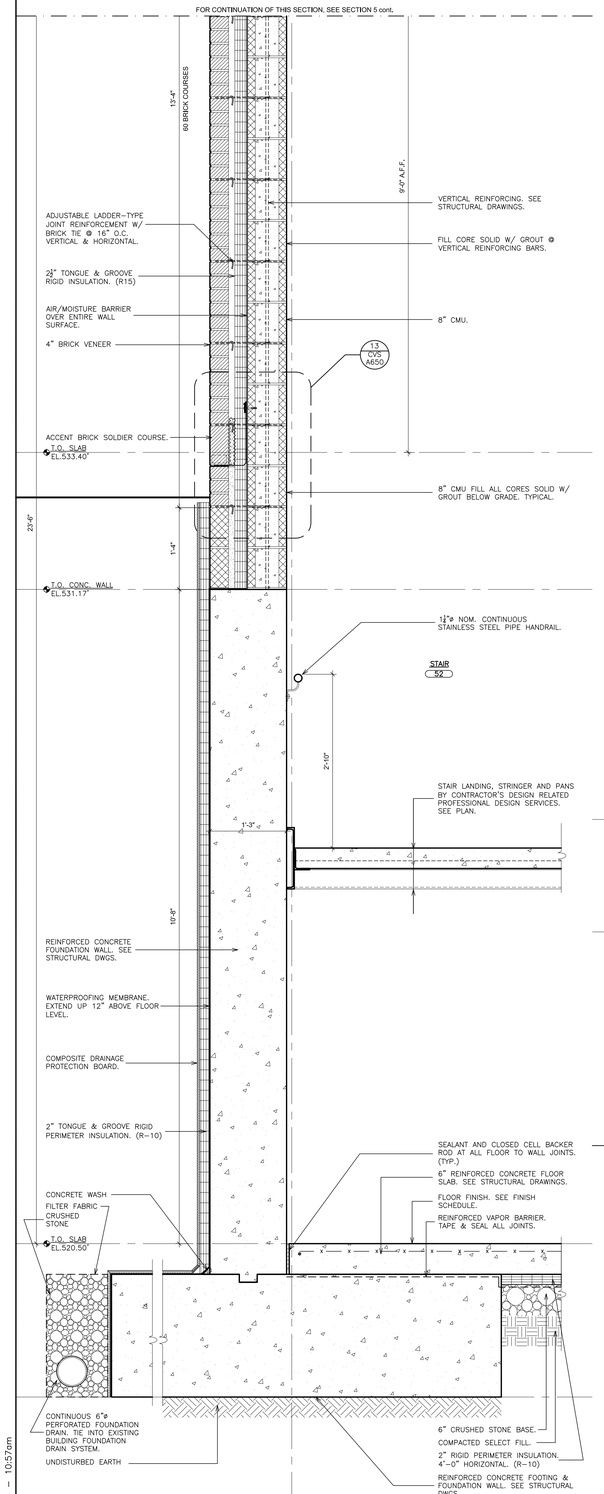
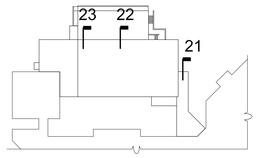
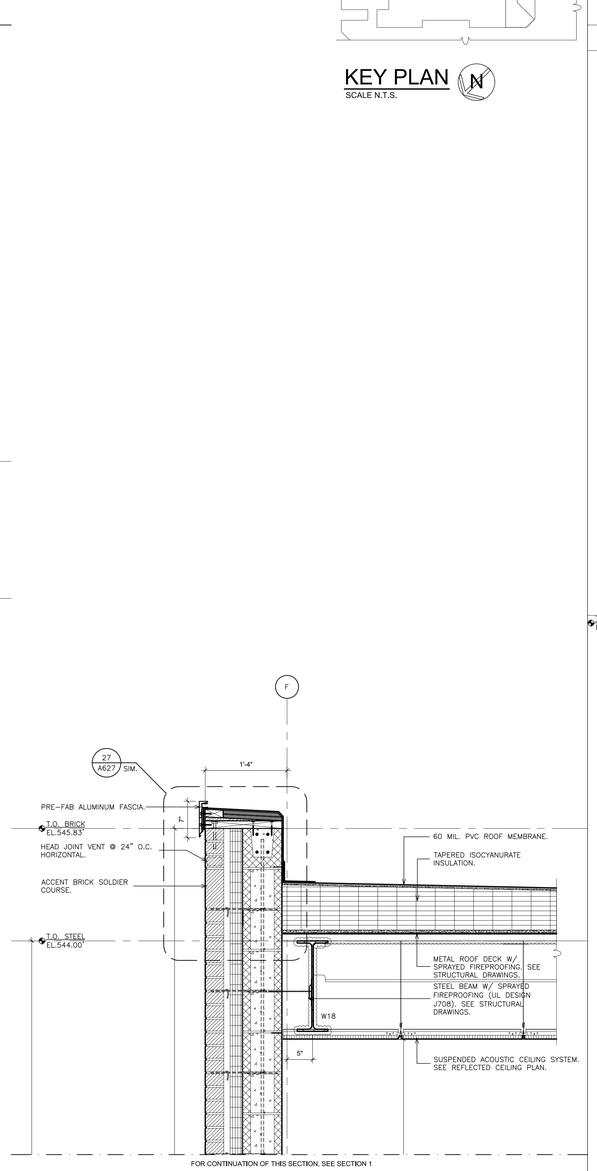


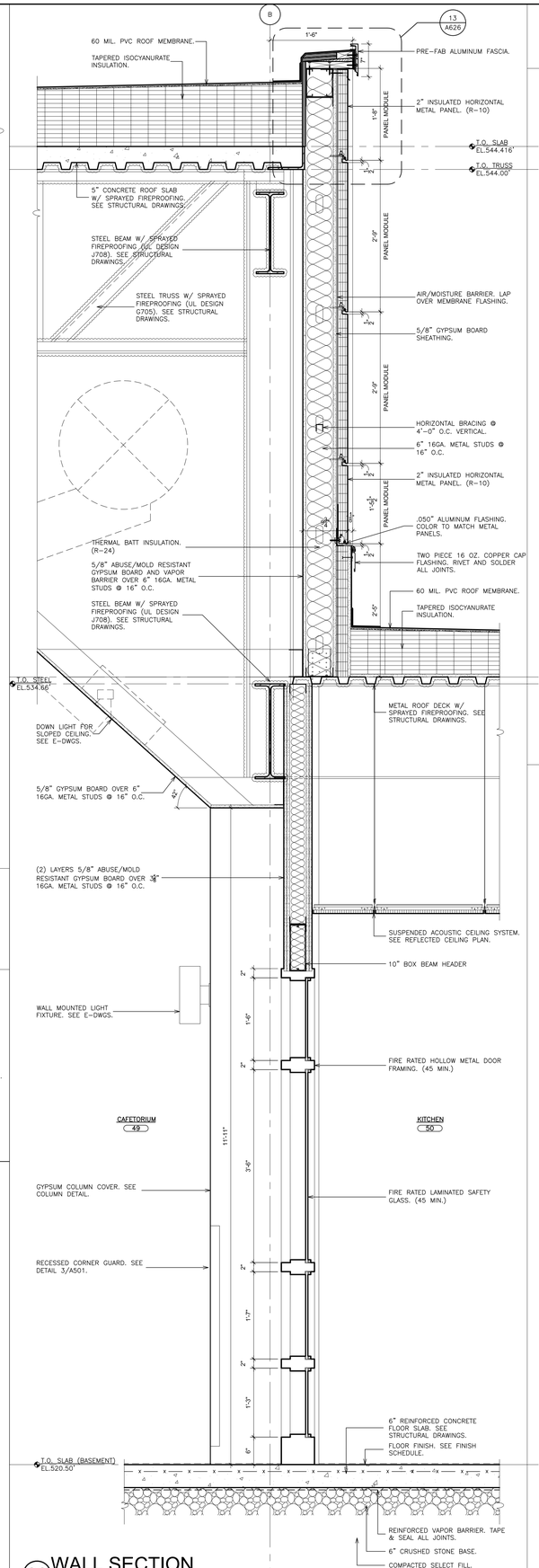
21 WALL SECTION
SCALE: 1" = 1'-0"



KEY PLAN
SCALE N.T.S.

F





22 WALL SECTION
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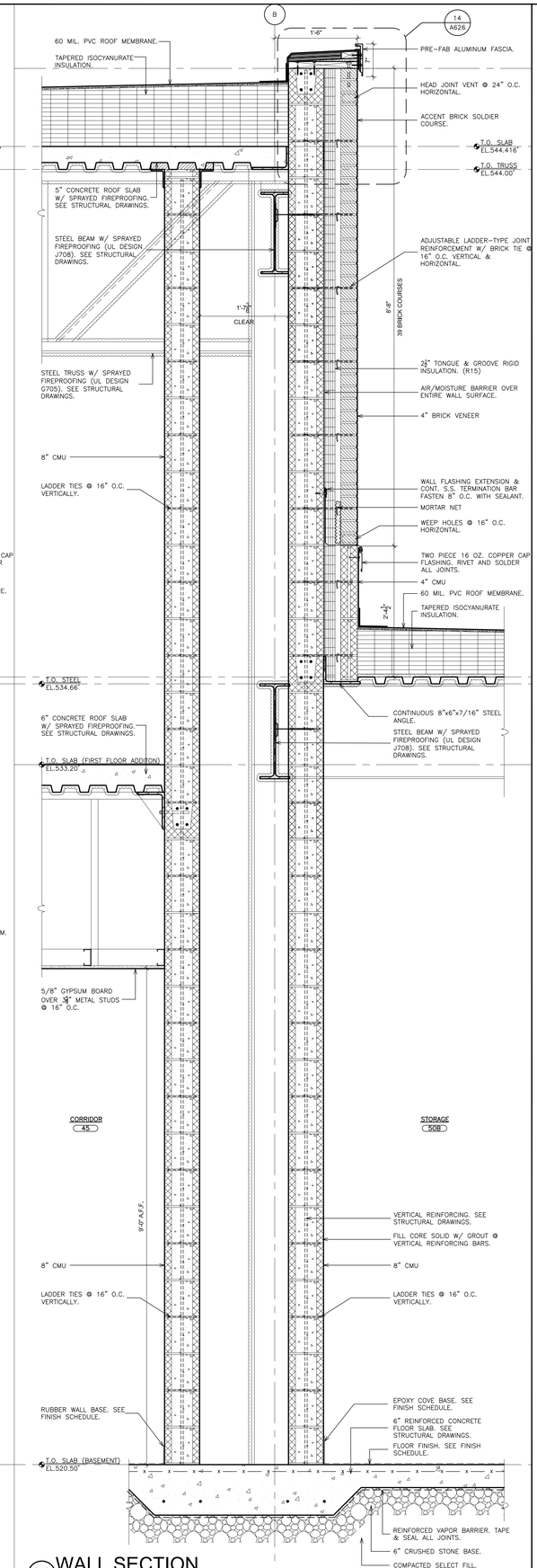

23 WALL SECTION
SCALE: 1" = 1'-0"

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PROJECT TITLE
WESTCHESTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
WALL SECTIONS

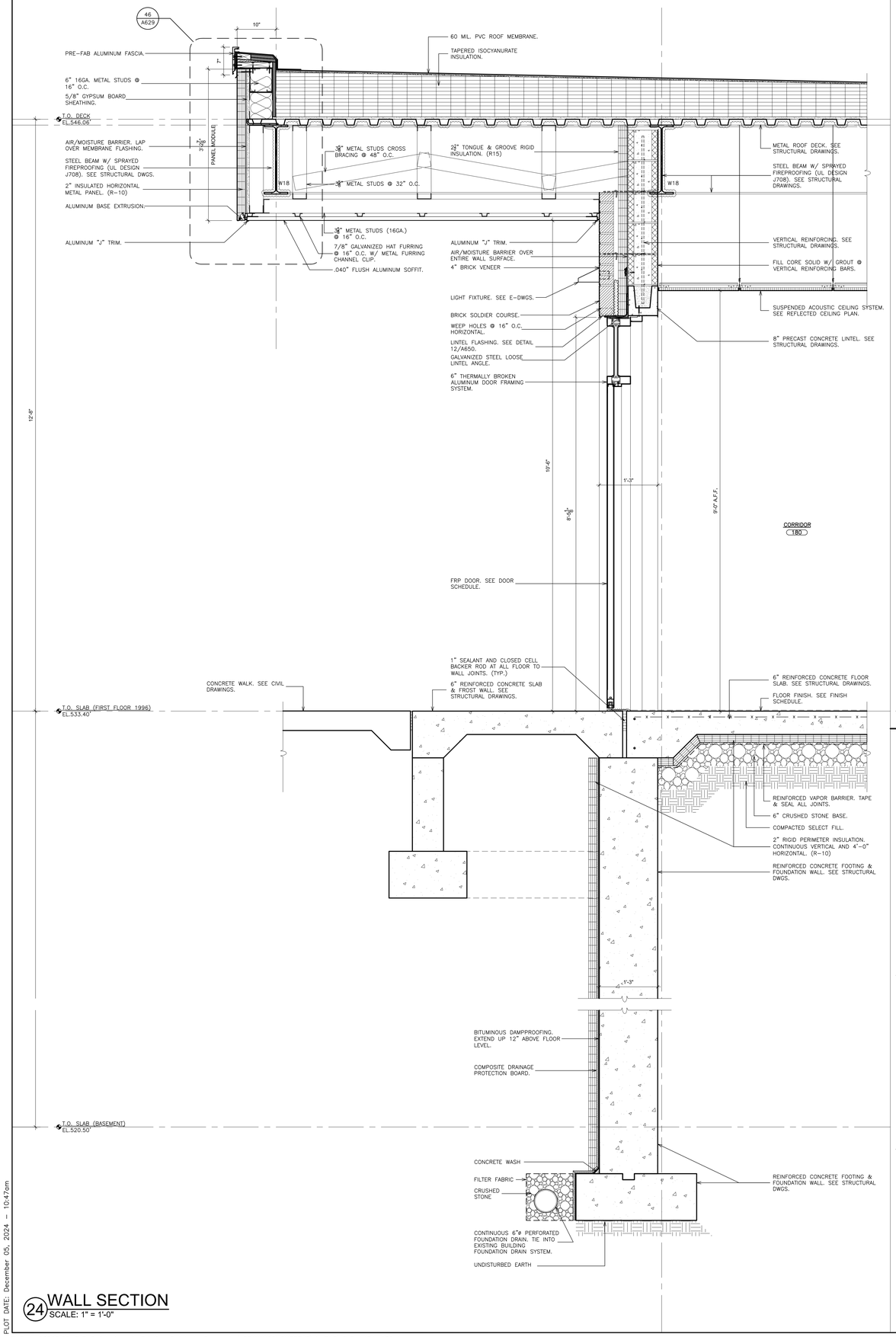
LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A433
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:57am
FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A425-433.dwg



24 WALL SECTION
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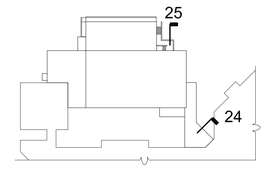
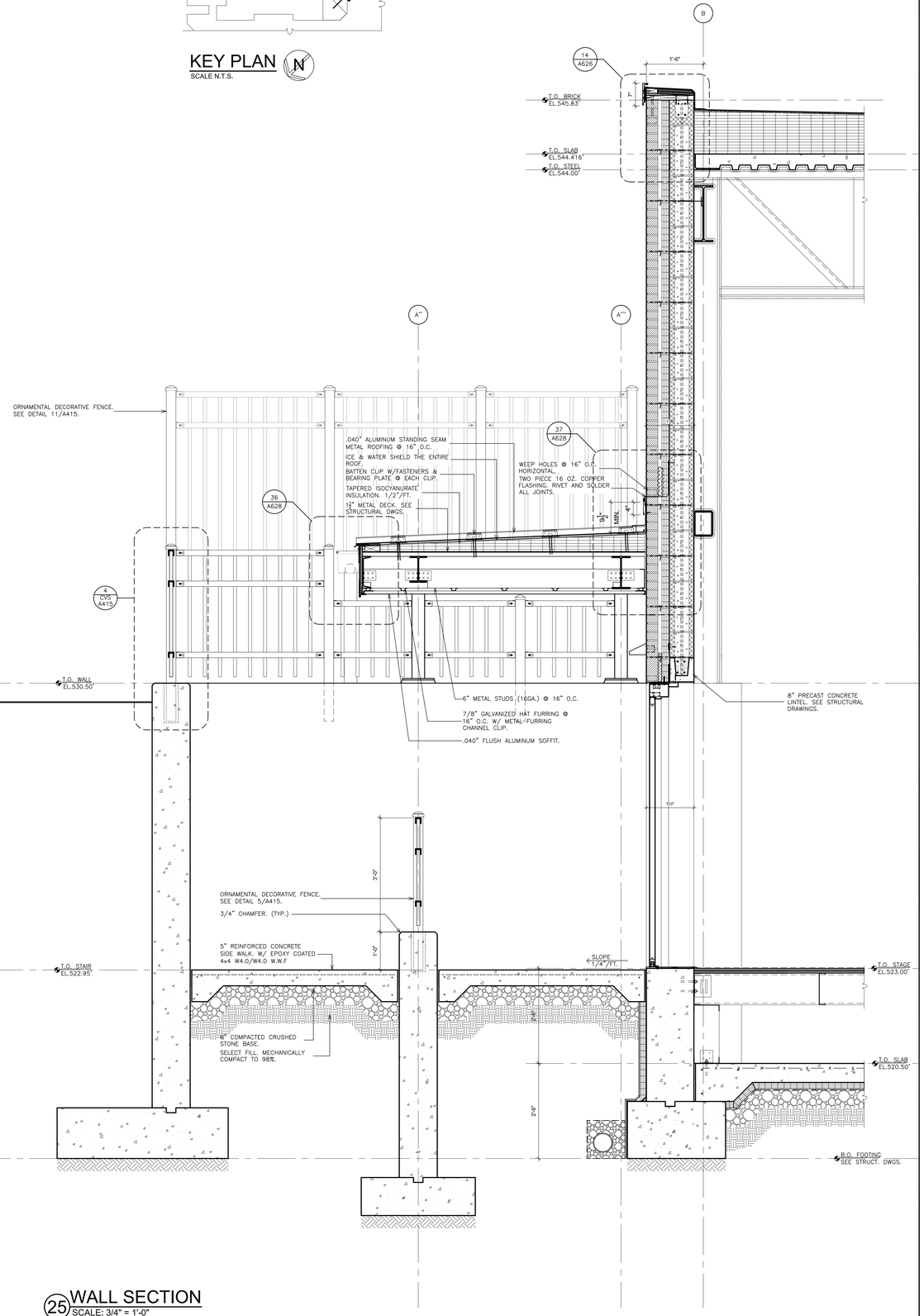


KEY PLAN
SCALE N.T.S.



25 WALL SECTION
SCALE: 3/4" = 1'-0"

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
RENSSELAER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & EXISTING CAFETERIA CONVERSION
20 FARM TO MARKET ROAD BREWSTER, NY 10509

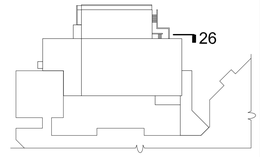
DRAWING TITLE
WALL SECTIONS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A434
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:47am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A434-436.dwg



KEY PLAN
SCALE N.T.S.

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION INTERIOR
RENOVATIONS & SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
WALL SECTIONS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42" | DRAWING NO. CVS A435
SCALE AS NOTED | FILE NO. 23505.02
DRAWN BY

26 WALL SECTION
SCALE: 1" = 1'-0"

PLOT DATE: December 05, 2024 - 10:48am

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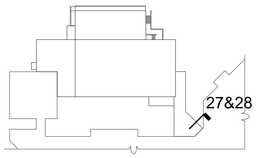
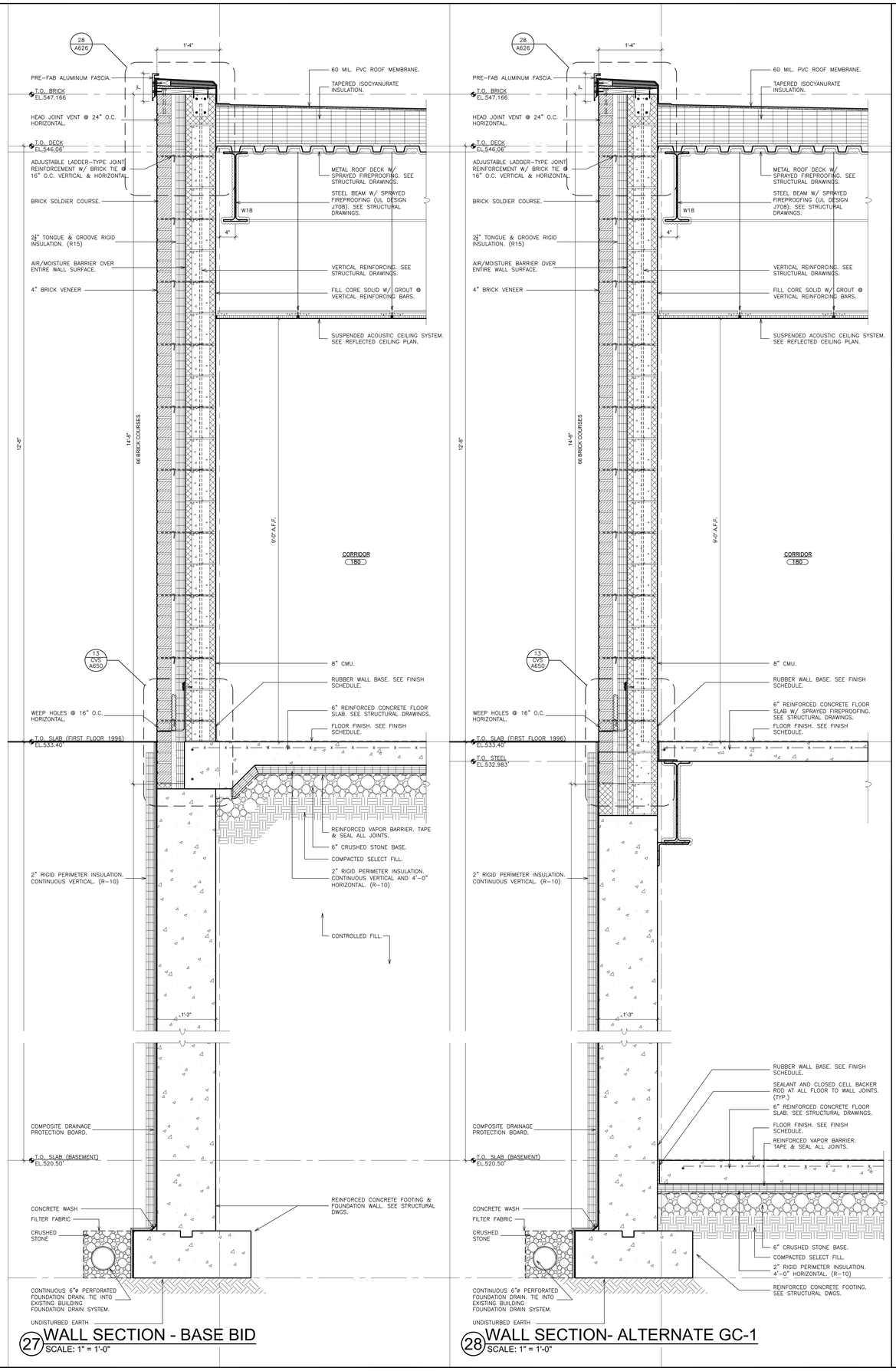


KEY PLAN
SCALE N.T.S.



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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION & INTERIOR RENOVATIONS & EXISTING CAFETERIA
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
WALL SECTION- BASE BID
WALL SECTION- ALTERNATE GC-1

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
06-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A436
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:48am

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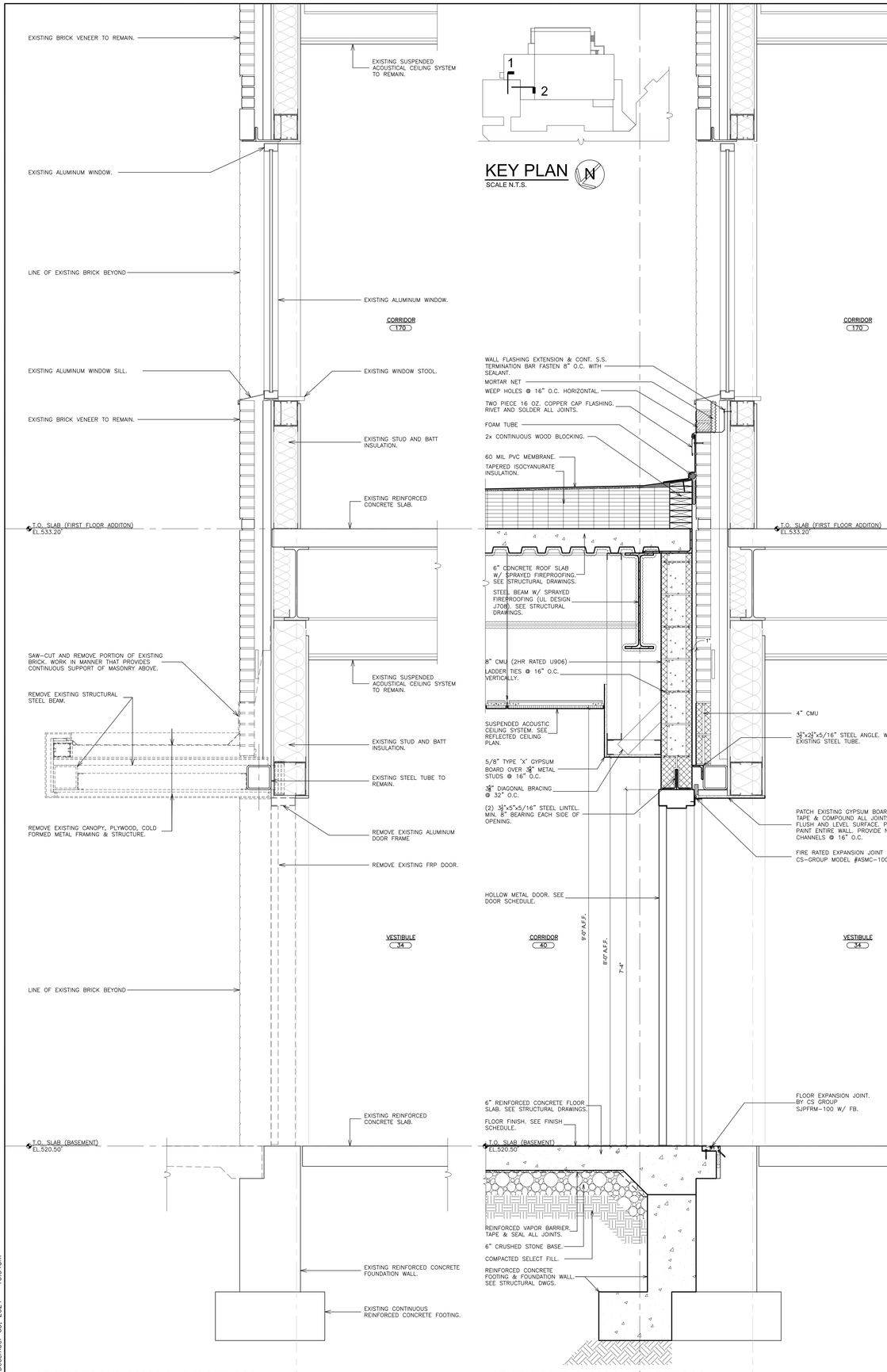
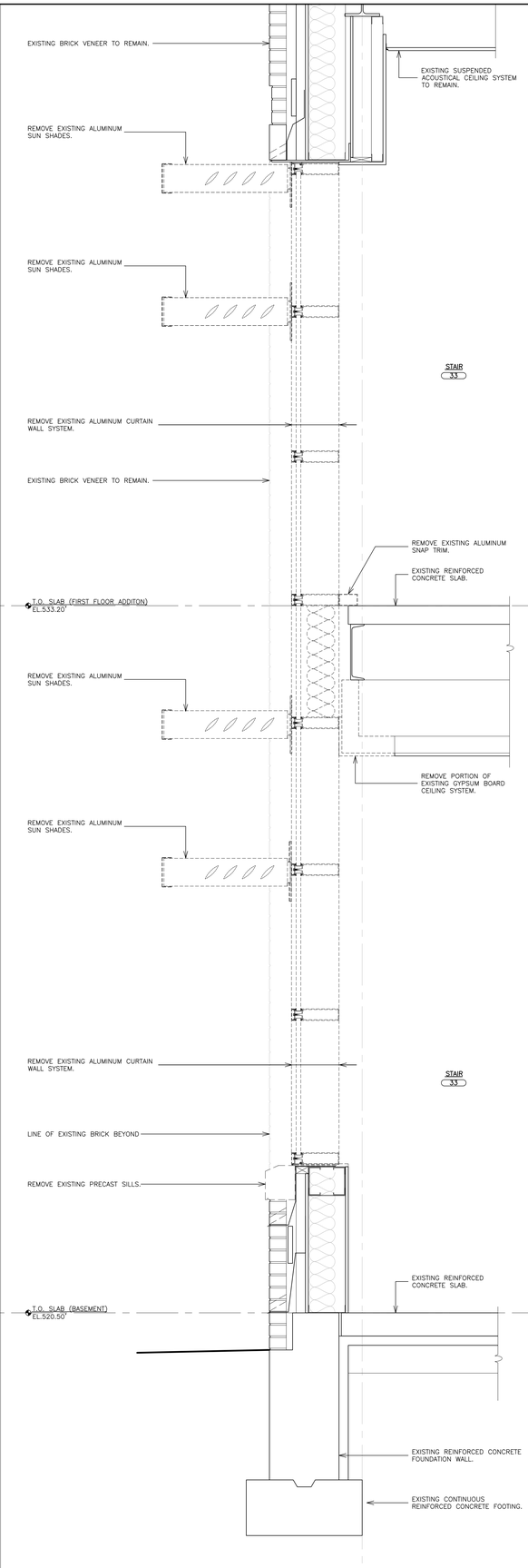


1 REMOVAL WALL SECTION
SCALE: 1" = 1'-0"

1 REVISED WALL SECTION
SCALE: 1" = 1'-0"



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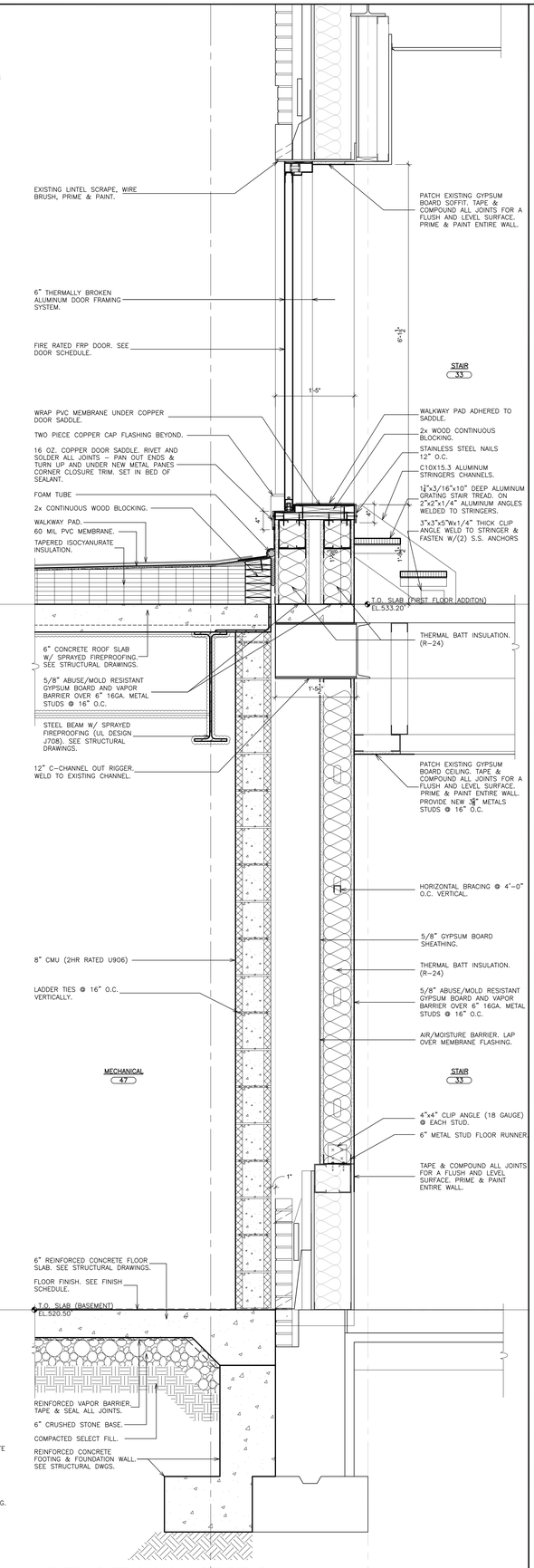

2 REVISED WALL SECTION
SCALE: 1" = 1'-0"

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION INTERIOR
RENOVATIONS AS A CAFETERIA
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
WALL SECTIONS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A450
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:54am

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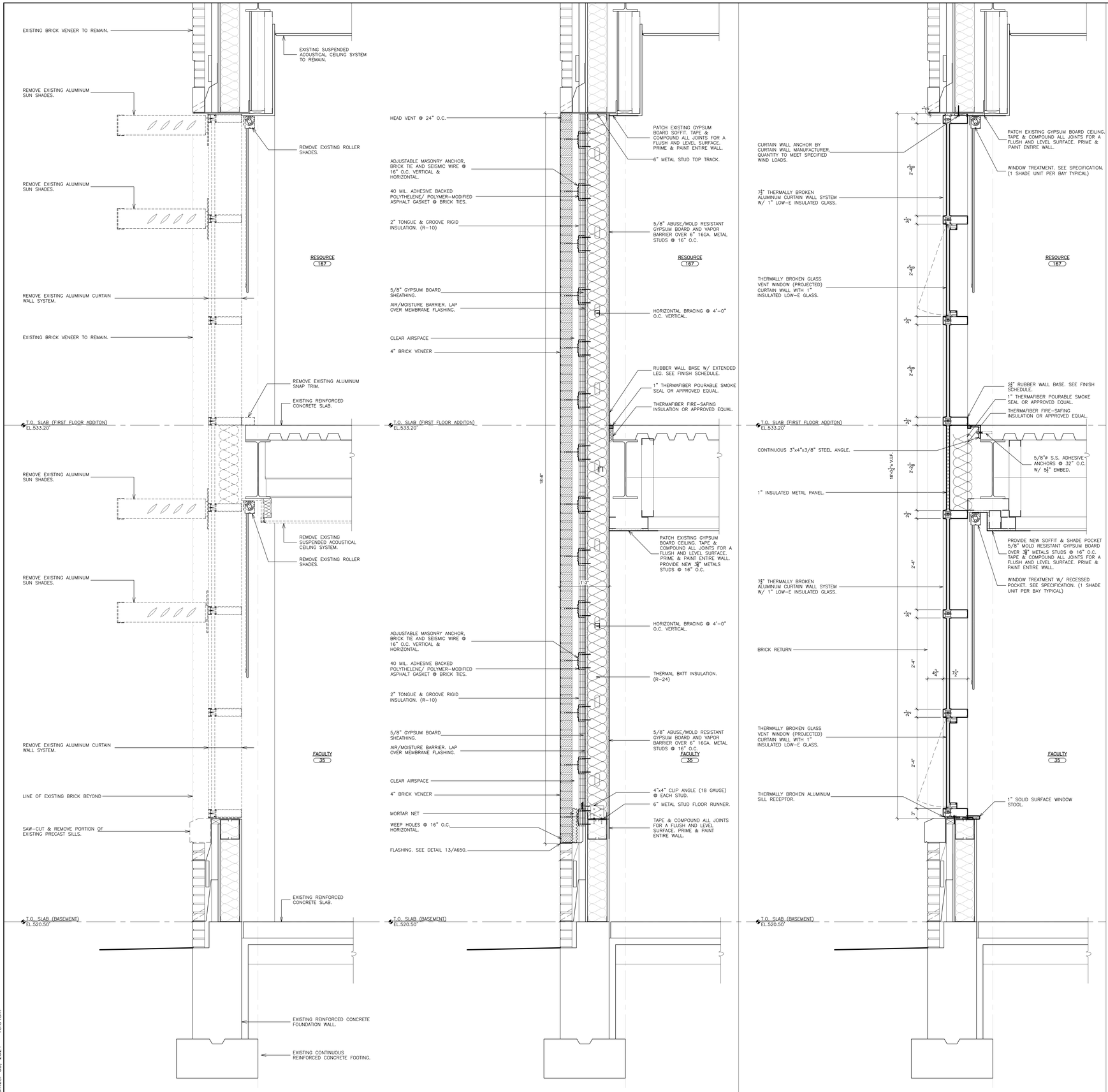
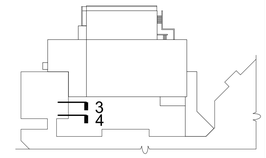


3 REMOVAL WALL SECTION
SCALE: 1" = 1'-0"

3 REVISED WALL SECTION
SCALE: 1" = 1'-0"

4 REVISED WALL SECTION
SCALE: 1" = 1'-0"



KEY PLAN
SCALE N.T.S.

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
WALL SECTIONS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A451
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:54am
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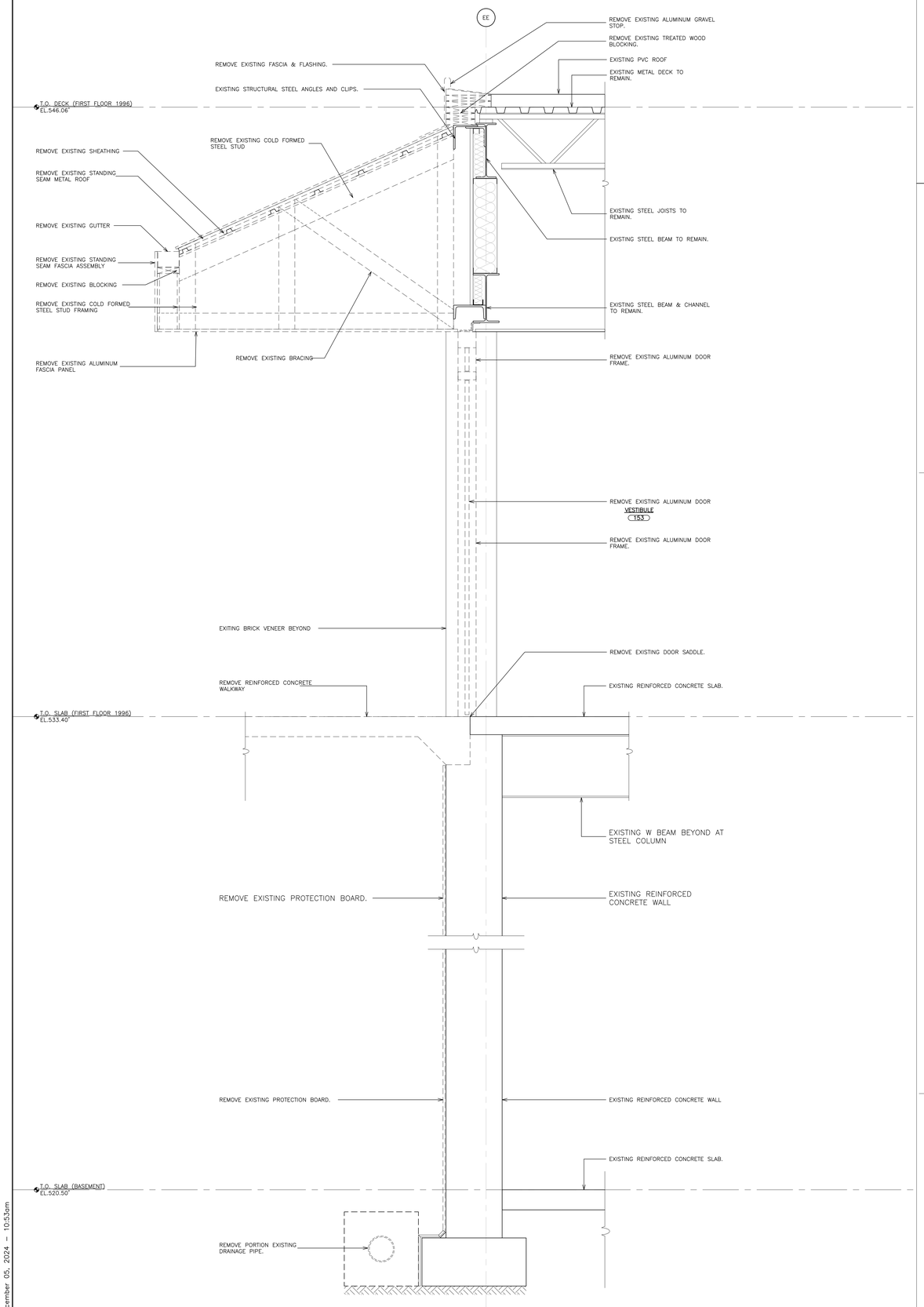

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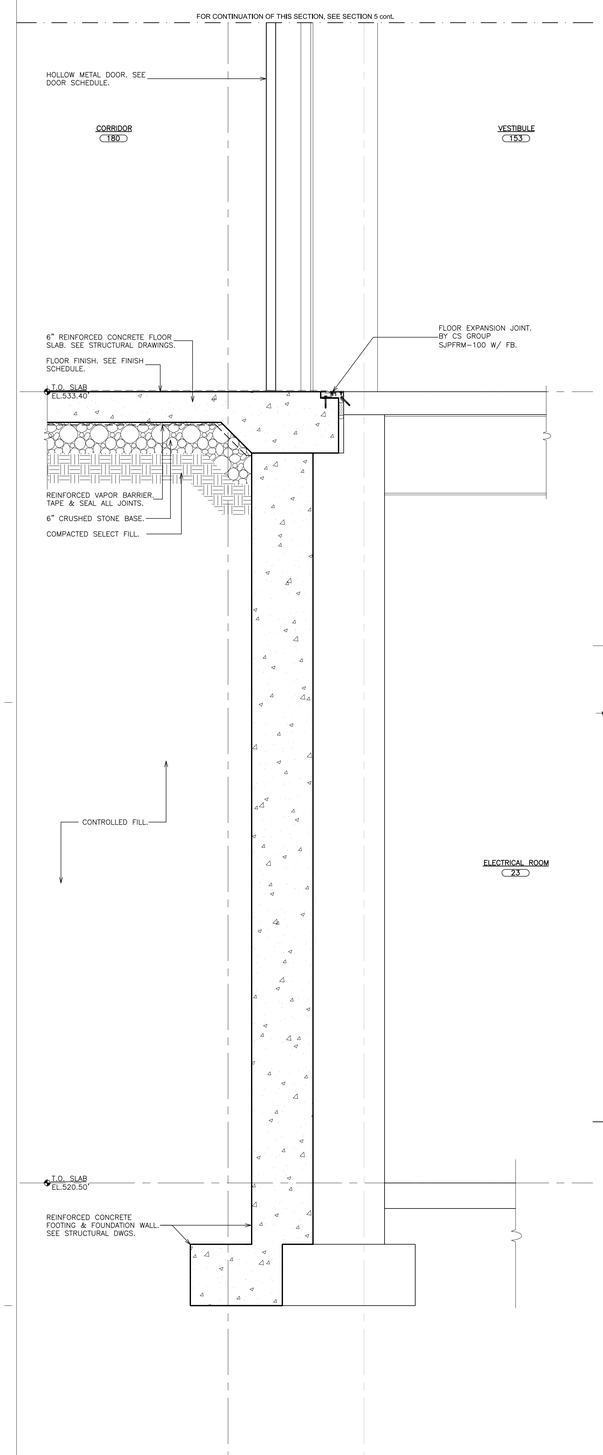

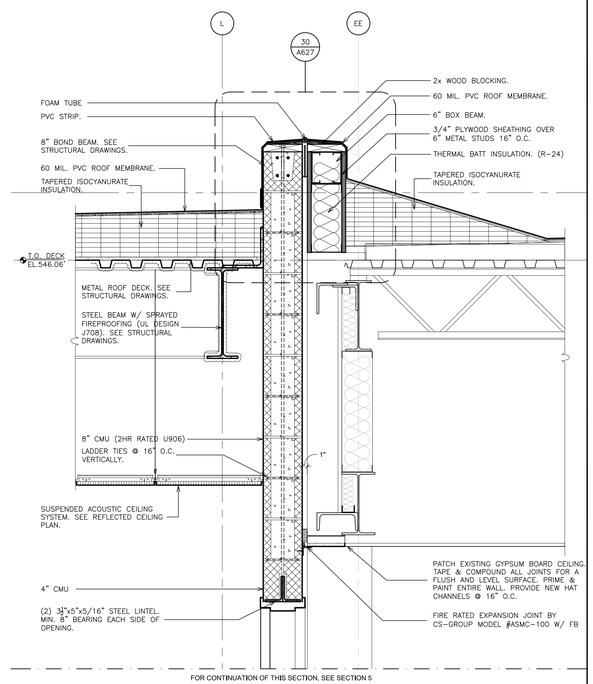

5 REVISED WALL SECTION
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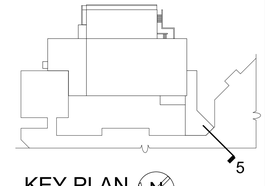

KEY PLAN
SCALE N.T.S.

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & EXISTING CAFETERIA CONVERSION TO LIBRARY
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
WALL SECTIONS

12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE: 30"x42"
DRAWING NO.: CVS A452
SCALE: AS NOTED
DRAWN BY:
FILE NO.: 23505.02

PLOT DATE: December 05, 2024 - 10:53am

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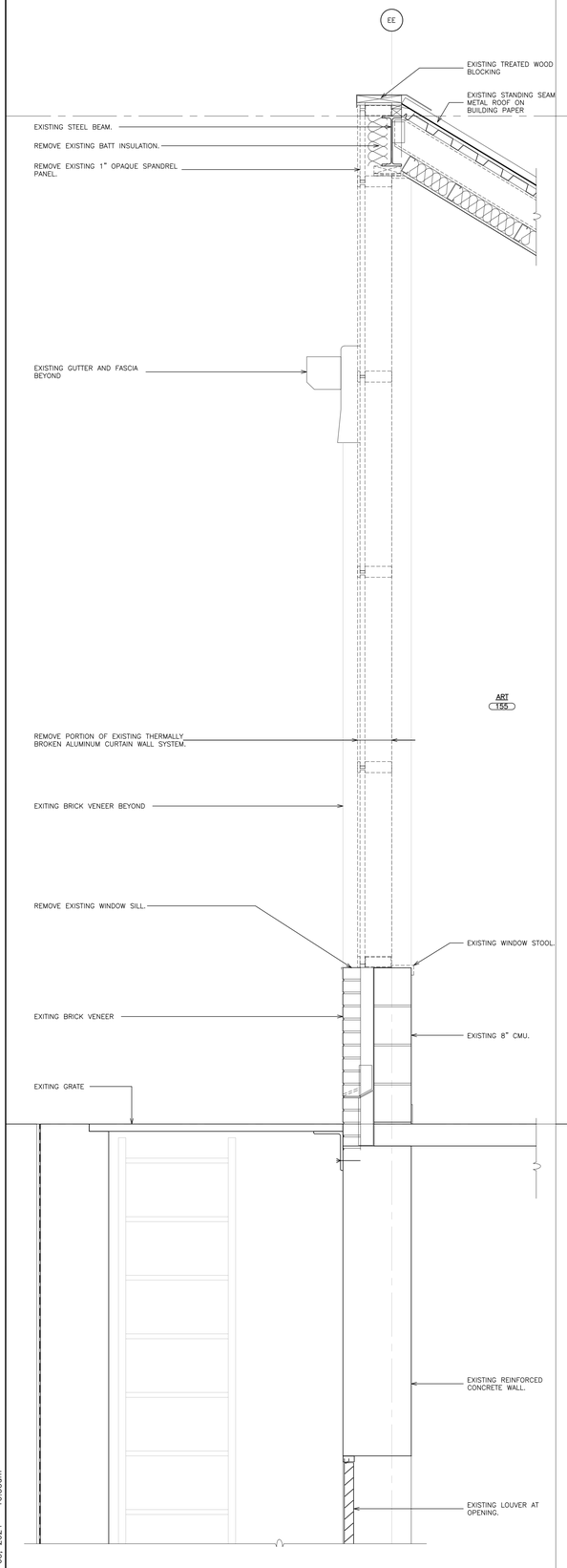

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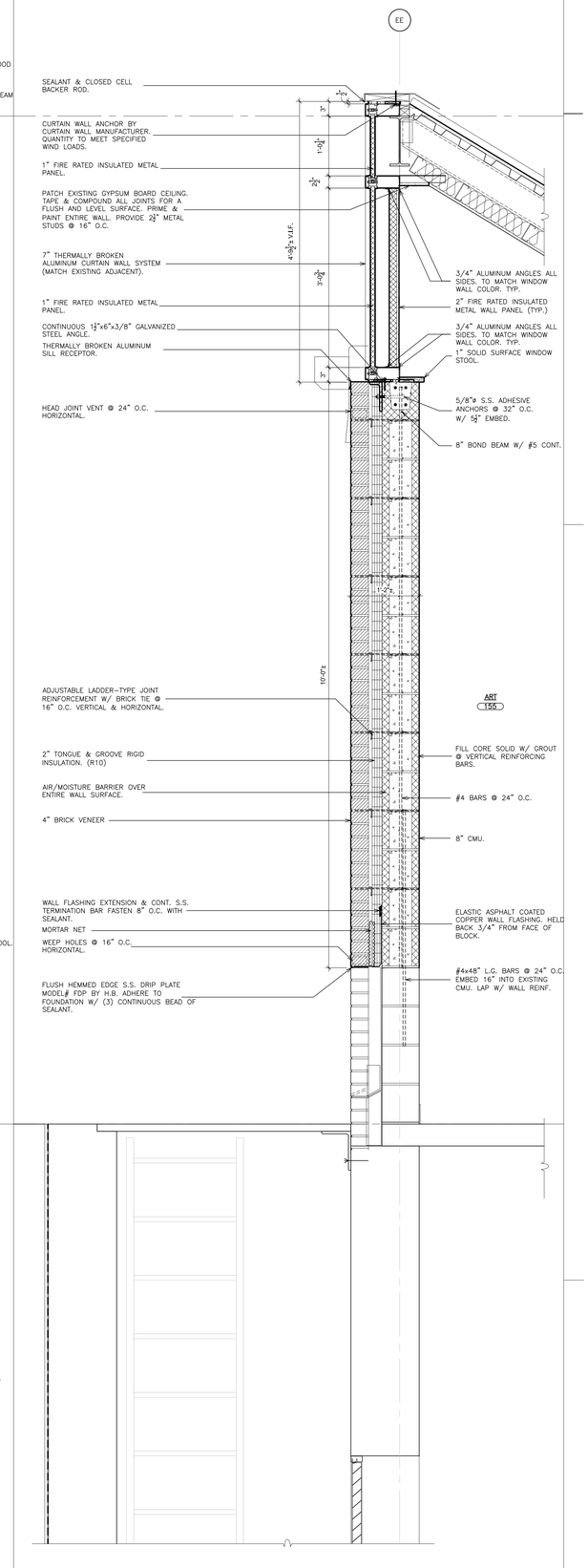

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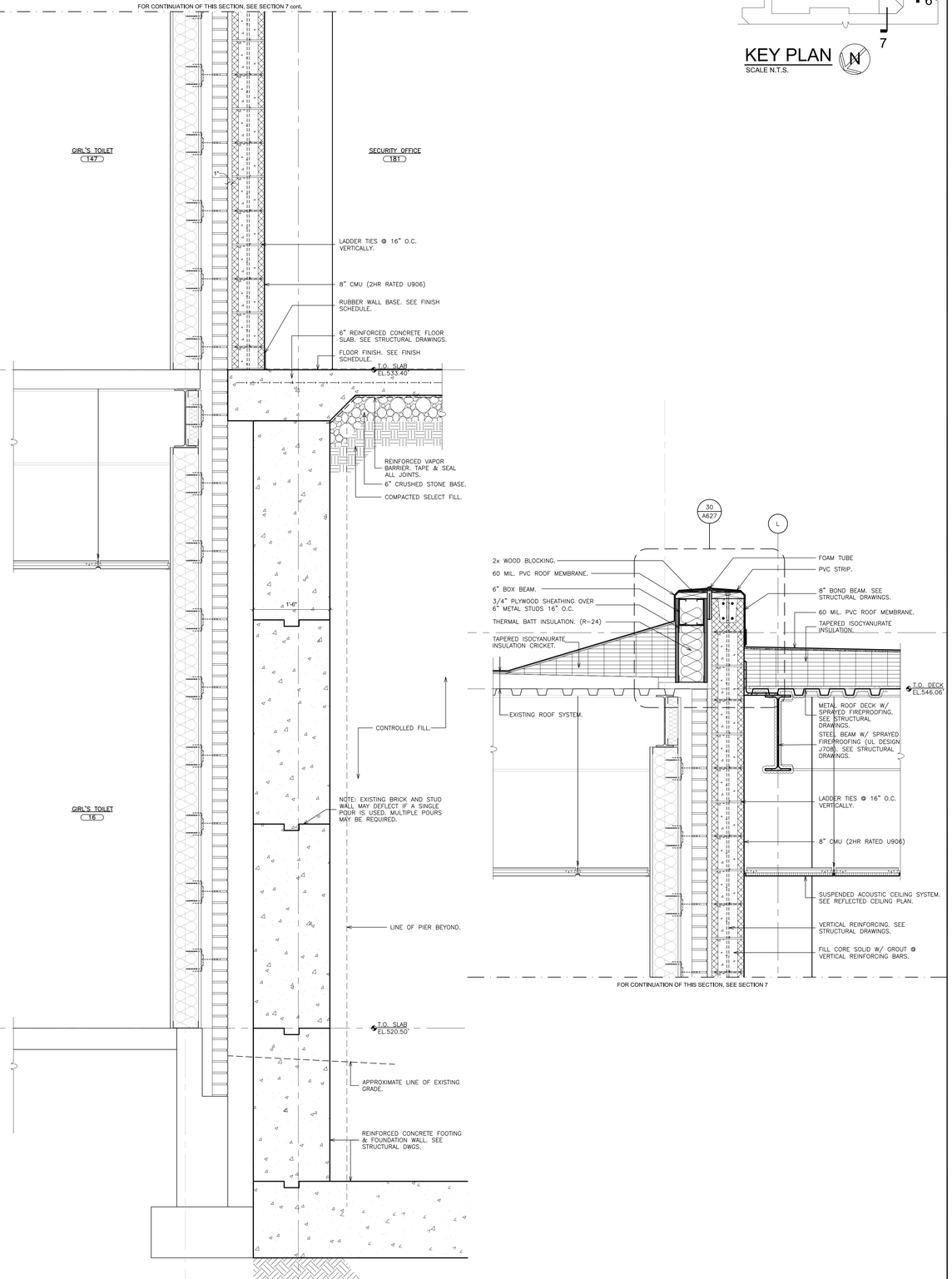
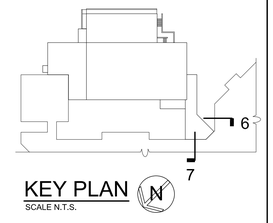


7 WALL SECTION
SCALE: 1" = 1'-0"



KEY PLAN
SCALE N.T.S.

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION/INTERIOR RENOVATIONS & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
WALL SECTIONS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A453
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:53am

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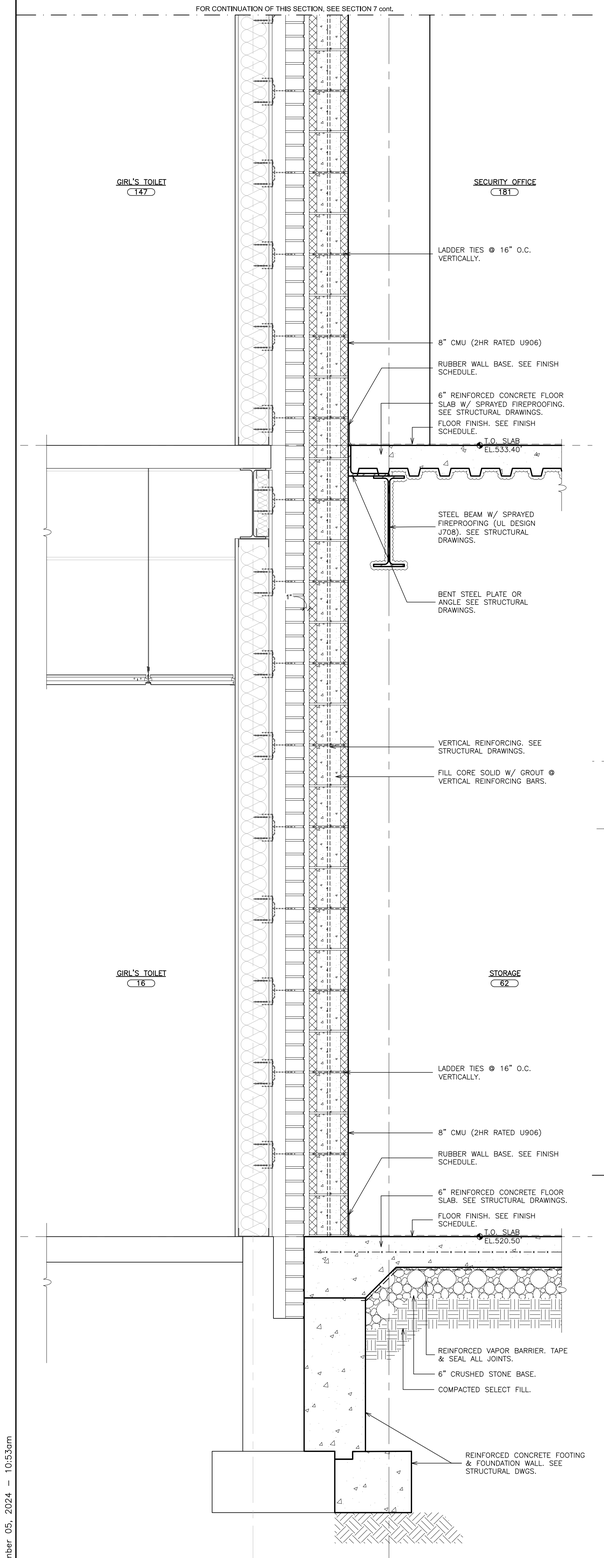
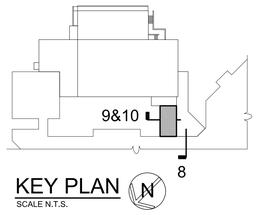
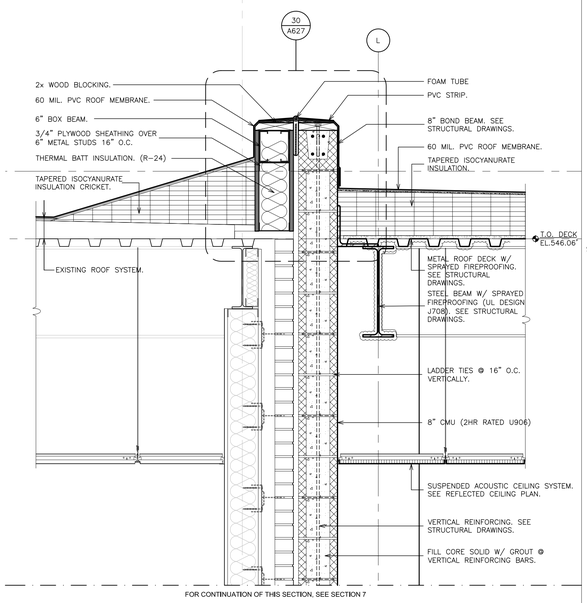




KEY PLAN
SCALE N.T.S.



FOR CONTINUATION OF THIS SECTION, SEE SECTION 7

8 WALL SECTION- ALTERNATE GC-1
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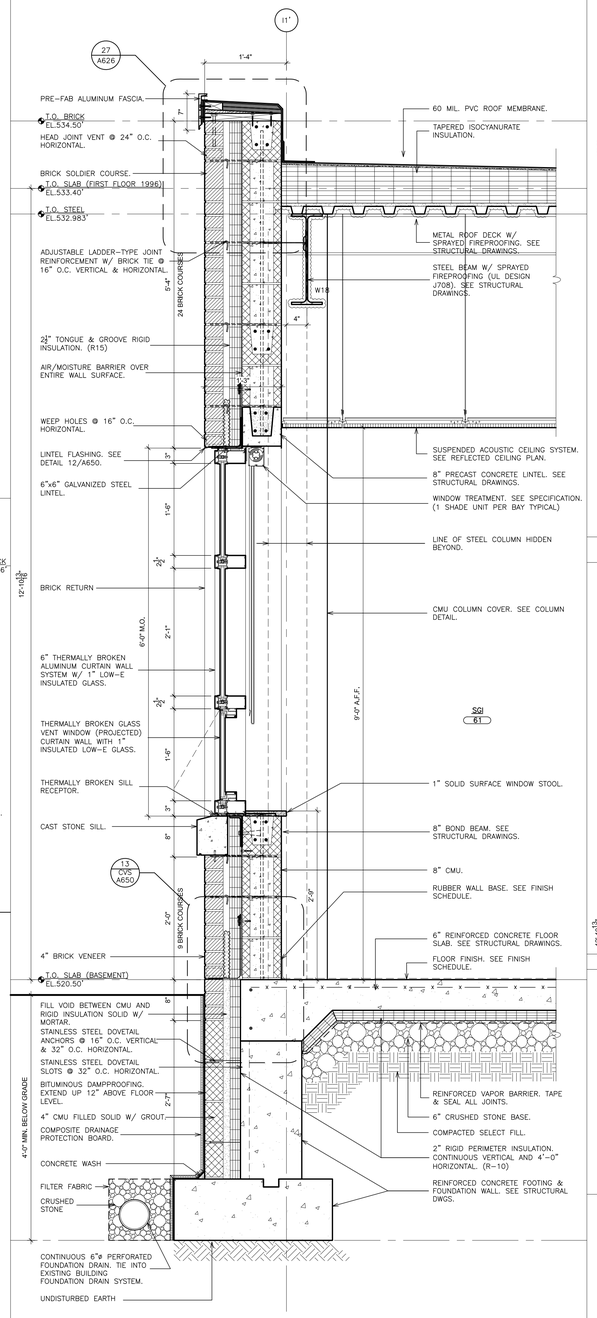
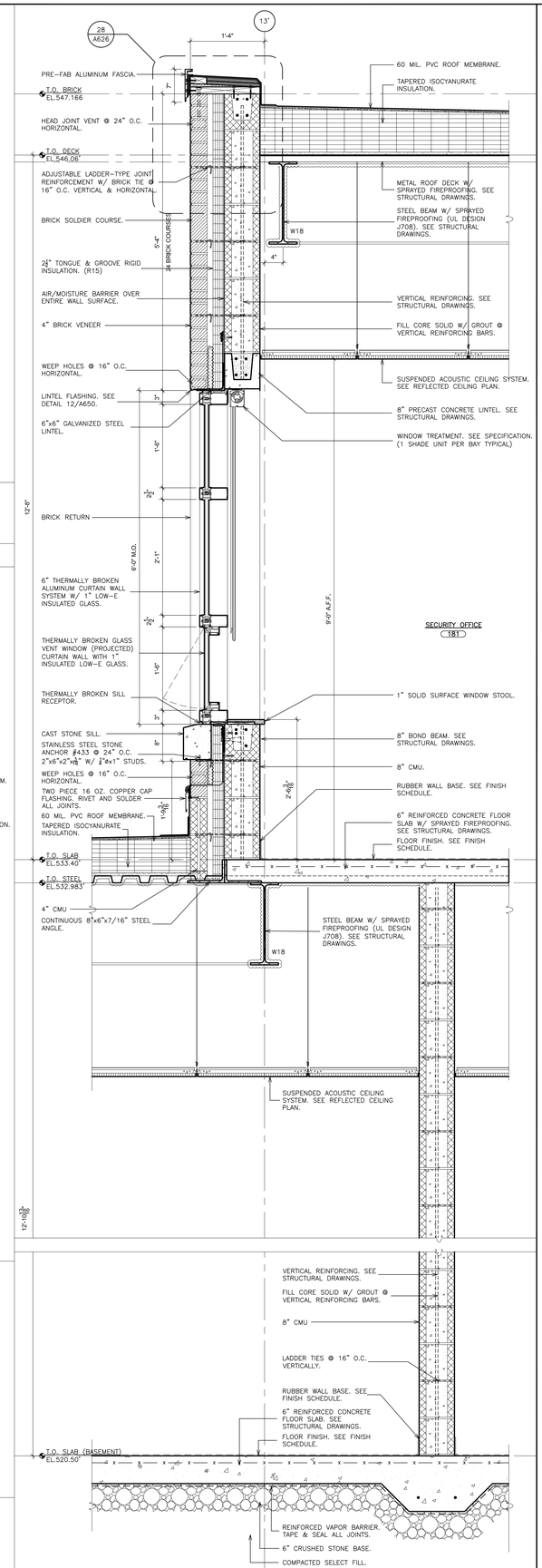


9 WALL SECTION- ALTERNATE GC-1
SCALE: 1" = 1'-0"



10 WALL SECTION- ALTERNATE GC-1
SCALE: 1" = 1'-0"

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION INTERIOR RENOVATIONS AND ALTERATIONS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

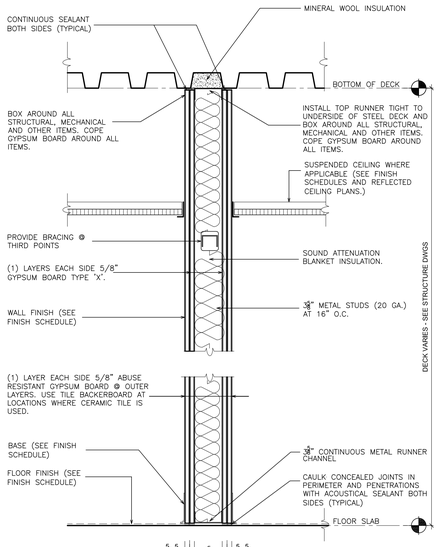
DRAWING TITLE
WALL SECTIONS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
06-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A454
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 10:53am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A450~.dwg



1 METAL STUD WALL
FIRE RATING – 1 HOUR (UL 411)

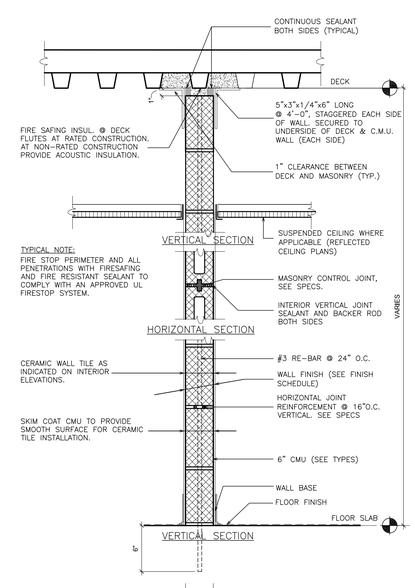
1A METAL STUD WALL
FIRE RATING – 0 HOUR

1B METAL STUD WALL
FIRE RATING – 0 HOUR

SIMILAR TO PARTITION TYPE 1 EXCEPT USE TWO LAYERS OF 5/8" GYPSUM BOARD ON ONE SIDE ONLY.

TYPICAL NOTE:
FIRE STOP PERIMETER AND ALL PENETRATIONS WITH FIRESAFING AND FIRE RESISTANT SEALANT TO COMPLY WITH AN APPROVED UL FIRESTOP SYSTEM.

GENERAL NOTES: (ALL PARTITION TYPES)
1 REFER TO FINISH SCHEDULE FOR ALL FINISHES.
2 REFER TO A-500 FOR APPLICABLE DETAILS
3 TILE BACKER-BOARD TO BE USED WHERE C.T. IS USED ON STUD WALLS.
4 ALL NEW PARTITIONS SHOULD BE FULL HEIGHT AND SHALL BE SEALED TO RESIST THE PASSAGE OF SMOKE (UNLESS OTHERWISE NOTED)
5 ALL NEW PARTITIONS SHALL BE CONSTRUCTED USING TYPE "X" GYPSUM BOARD. (UNLESS OTHERWISE NOTED)
6 ALL INTERIOR GYPSUM BOARD PARTITIONS SHALL HAVE SOUND ATTENUATION INSULATION EQUAL TO METAL STUD THICKNESS FOR FULL HEIGHT (UNLESS OTHERWISE NOTED)
7 ALL FIRE RATED WALL ASSEMBLIES TO MEET THE FOLLOWING TEST REQUIREMENTS:
*ASTM E119– STANDARD TEST METHODS FOR FIRE TESTS OF BUILDING CONSTRUCTION AND MATERIALS.
*ASTM 84– STANDARD TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS.
*ASTM 814– STANDARD TEST METHOD FOR FIRE TESTS OF THROUGH–PENETRATION FIRE STOPS.



2 CMU WALL
FIRE RATING– 0 HOUR

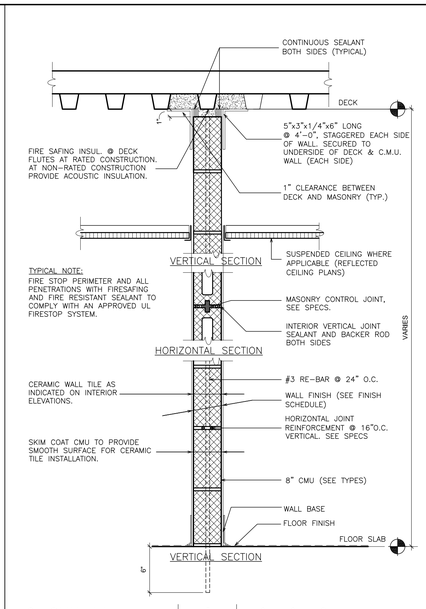
2A CMU WALL
FIRE RATING– 0 HOUR

2B CMU WALL
FIRE RATING– 1 HOUR (U906)

4" C.M.U.

6" C.M.U.

NOTE:
1. INSTALL STEEL ANGLE LINTELS FOR PENETRATIONS THROUGH CONCRETE BLOCK WALL. 3½"x3½"x⅜" ANGLES FOR EVERY 4" OF MASONRY TO SUPPORT, FIRESTOP AND SEAL @ PERIMETER OF PENETRATION. (NOTE: MAX. OPENING WITHOUT LINTEL–12" WIDTH, 12" HEIGHT.)
2. NORMAL WEIGHT BLOCK ONLY. LIGHT WEIGHT BLOCK IS UNACCEPTABLE.



3 CMU WALL
FIRE RATING– 0 HOUR

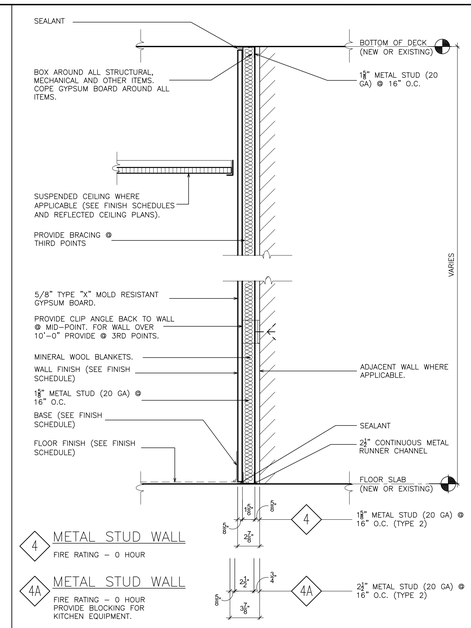
3A CMU WALL
FIRE RATING– 1 HOUR (U906)

3B CMU WALL
FIRE RATING– 2 HOUR (U906)

3C CMU WALL POLISHED BLOCK – ALT GC-5
FIRE RATING– SEE CC DWGS.

8" C.M.U.

NOTE:
1. INSTALL STEEL ANGLE LINTELS FOR PENETRATIONS THROUGH CONCRETE BLOCK WALL. 3½"x3½"x⅜" ANGLES FOR EVERY 4" OF MASONRY TO SUPPORT, FIRESTOP AND SEAL @ PERIMETER OF PENETRATION. (NOTE: MAX. OPENING WITHOUT LINTEL–12" WIDTH, 12" HEIGHT.)
2. NORMAL WEIGHT BLOCK ONLY. LIGHT WEIGHT BLOCK IS UNACCEPTABLE.

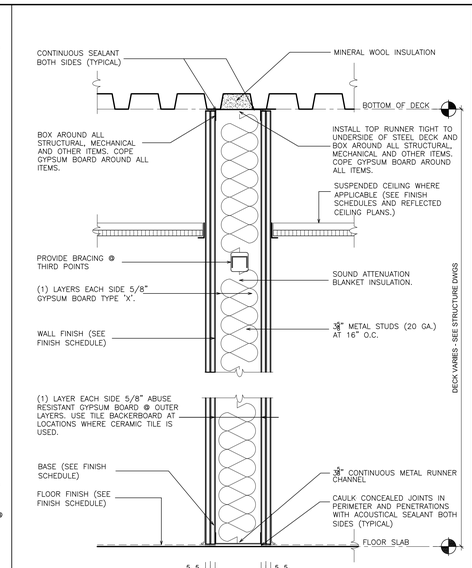


4 METAL STUD WALL
FIRE RATING – 0 HOUR

4A METAL STUD WALL
FIRE RATING – 0 HOUR
PROVIDE BLOCKING FOR KITCHEN EQUIPMENT.

⅝" METAL STUD (20 GA) @ 16" O.C. (TYPE 2)

2½" METAL STUD (20 GA) @ 16" O.C. (TYPE 2)



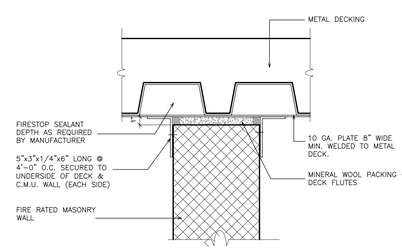
5 METAL STUD WALL
FIRE RATING – 1 HOUR (UL 411)

5A METAL STUD WALL
FIRE RATING – 0 HOUR

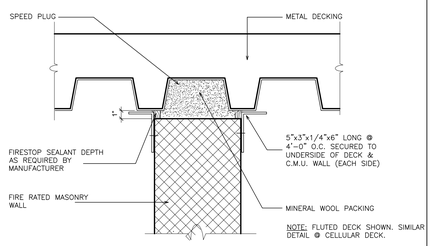
5B METAL STUD WALL
FIRE RATING – 0 HOUR

SIMILAR TO PARTITION TYPE 5 EXCEPT USE TWO LAYERS OF 5/8" GYPSUM BOARD ON ONE SIDE ONLY.

TYPICAL NOTE:
FIRE STOP PERIMETER AND ALL PENETRATIONS WITH FIRESAFING AND FIRE RESISTANT SEALANT TO COMPLY WITH AN APPROVED UL FIRESTOP SYSTEM.

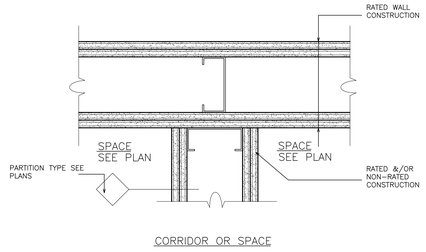


1 FIRE RATED JOINT DETAIL @ METAL/ MASONRY WALL
NOT TO SCALE

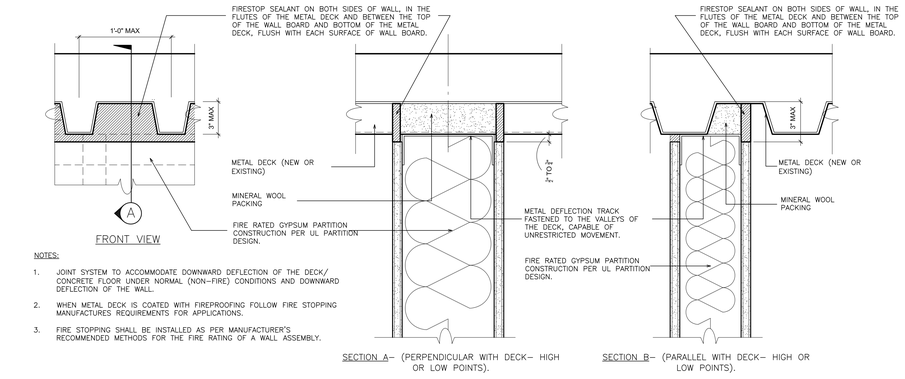


NOTE: FLUTED DECK SHOWN. SIMILAR DETAIL @ CELLULAR DECK.

2 FIRE RATED JOINT DETAIL @ METAL/ MASONRY WALL
NOT TO SCALE

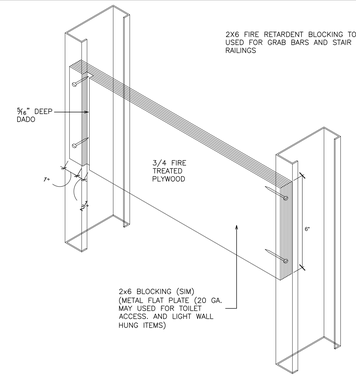


3 DETAIL - INTERSECTION OF RATED & NON-RATED WALL
SCALE: N.T.S.

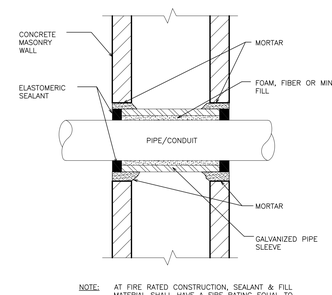


NOTES:
1. JOINT SYSTEM TO ACCOMMODATE DOWNWARD DEFLECTION OF THE DECK/ CONCRETE FLOOR UNDER NORMAL (NON–FIRE) CONDITIONS AND DOWNWARD DEFLECTION OF THE WALL.
2. WHEN METAL DECK IS COATED WITH FIREPROOFING FOLLOW FIRE STOPPING MANUFACTURES REQUIREMENTS FOR APPLICATIONS.
3. FIRE STOPPING SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDED METHODS FOR THE FIRE RATING OF A WALL ASSEMBLY.

4 TOP OF WALL JOINT: 1&2-HOUR GYPSUM PARTITION (SEALANT)
SCALE: 3" = 1'- 0"

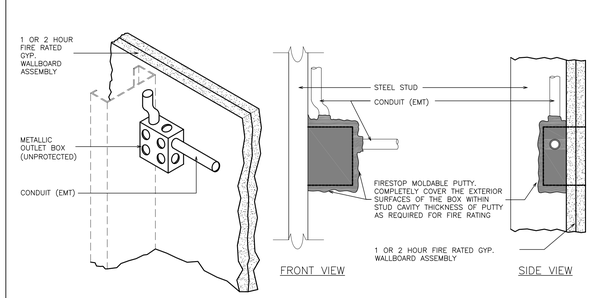


5 DETAIL - TYPICAL BLOCKING
SCALE: N.T.S.

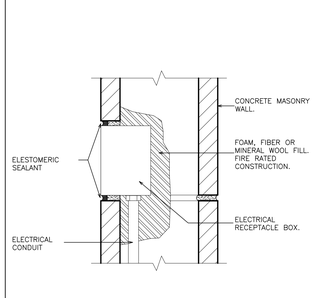


NOTE: AT FIRE RATED CONSTRUCTION, SEALANT & FILL MATERIAL SHALL HAVE A FIRE RATING EQUAL TO OR GREATER THAN CONSTRUCTION BEING PENETRATED

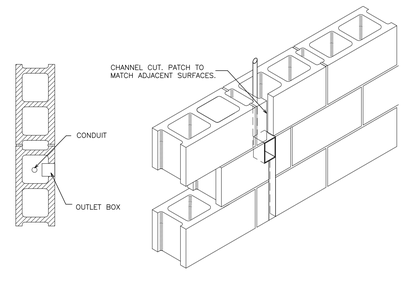
6 DETAIL- WALL PENETRATION
SCALE: N.T.S



7 DETAIL OF FIRE PROTECTION
SCALE: N.T.S.



8 DETAIL- UTILITY BOX PENETRATION
SCALE: N.T.S.



NOTE: STAGGER OUTLET BOXES ON EA. SIDE OF WALL

9 UTILITY BOXES
SCALE: N.T.S.

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STAHR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION IN TERIOR
RENOVATIONS AND ALTERATIONS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

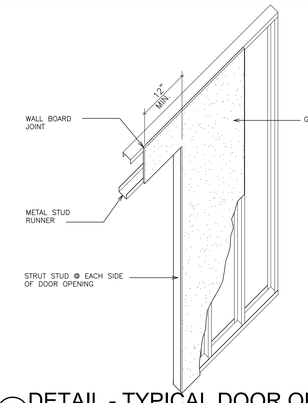
DRAWING TITLE
PARTITION TYPES & MISCELLANEOUS DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

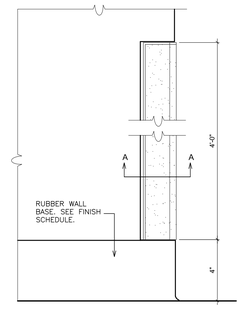
SHEET SIZE 30"x42"
DRAWING NO. CVS A500
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 11:02am

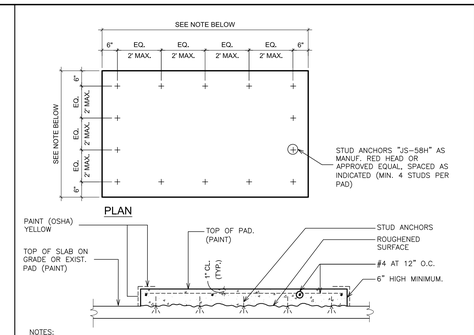
FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A500.dwg



1 DETAIL - TYPICAL DOOR OPENING
SCALE: 1/2" = 1'-0"

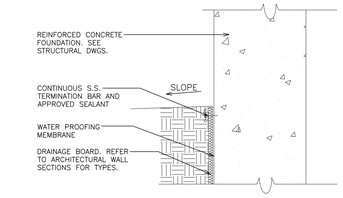


RECESSED CORNER GUARD - ELEVATION
SCALE: 3" = 1'-0"



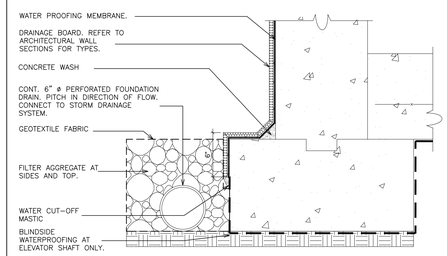
NOTES:
1. CONCRETE SHALL BE 4,000 PSI.
2. PAINT VERTICAL EDGE AND 4" OF PAD YELLOW.
3. FINAL SIZE AND LOCATION TO BE DETERMINED BY CONTRACTOR AND APPROVED BY ARCHITECT/ENGINEER.

4 DETAIL - CONCRETE EQUIPMENT PAD
SCALE: 1/2" = 1'-0"



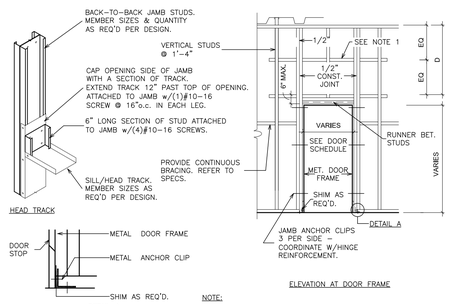
TERMINATION @ TOP OF FOUNDATION WALL

5 WATERPROOFING DETAIL- TERMINATION @ TOP OF WALL
SCALE: 1 1/2" = 1'-0"



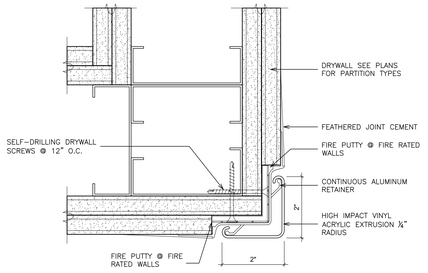
TERMINATION @ FOOTING

6 WATERPROOFING DETAIL- TERMINATION @ FOOTING
SCALE: 1 1/2" = 1'-0"



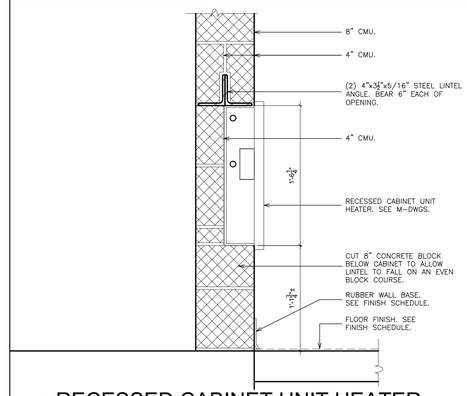
NOTE:
1. OMIT BRACE WHEN "D" DIMENSION IS LESS THAN 2'-0" FOR GYP. WALLBD. OR 16" FOR PLASTER PARTITION.

2 DETAIL- PARTITION FRAMING FOR DOORS
SCALE: 1/4" = 1'-0"

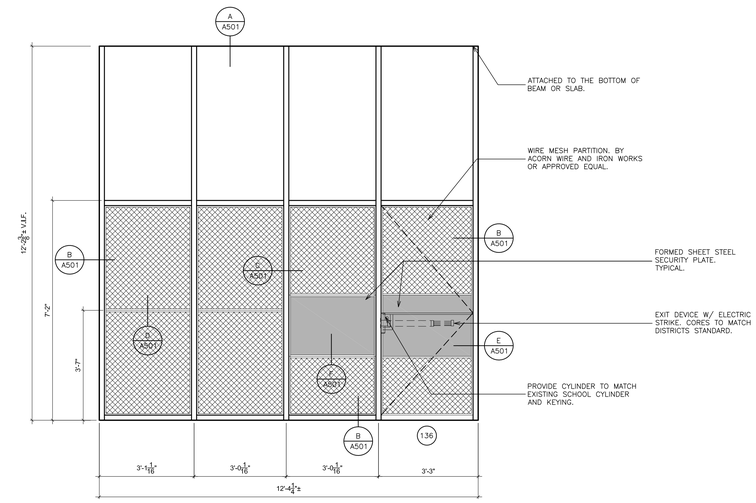


RECESSED CORNER GUARD A-A
SCALE: 6" = 1'-0"

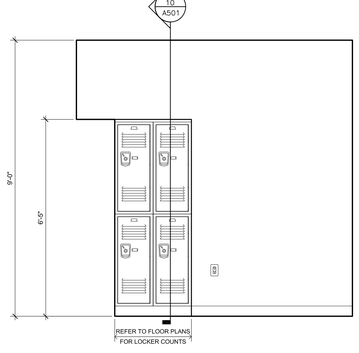
3 TYPICAL CORNER GUARD
SCALE: N.T.S.



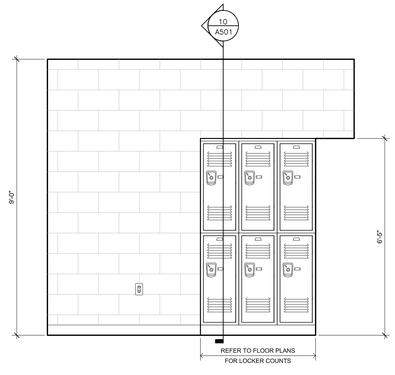
7 RECESSED CABINET UNIT HEATER
SCALE: 1 1/2" = 1'-0"



8 MESH PARTITION ELEVATION
SCALE: 1/2" = 1'-0"



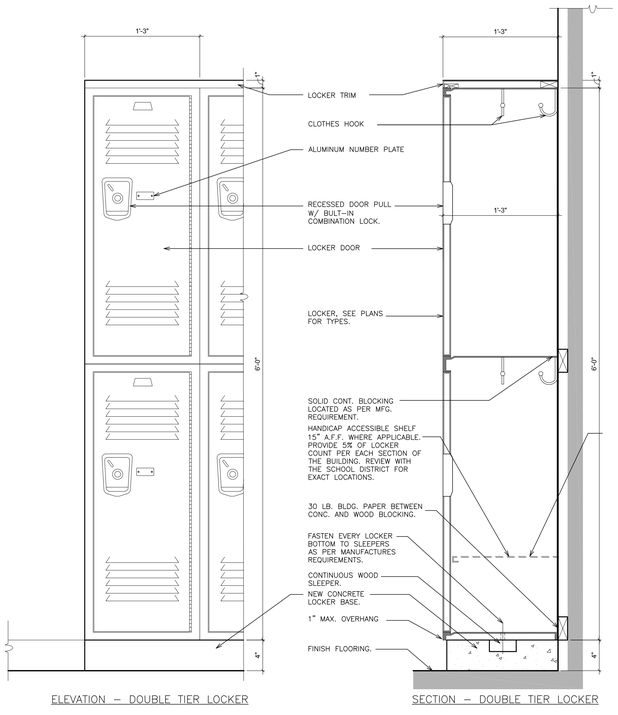
ELEVATION 1



ELEVATION 2

9 LOCKER ELEVATION
SCALE: 1/2" = 1'-0"

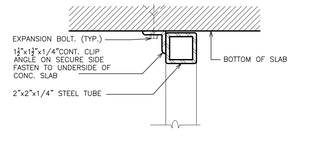
LOCKER NOTES:
1. INSTALL LOCKERS AS PER MANUFACTURES'S SPECIFICATIONS FOR A COMPLETE INSTALLATION.
2. INSTALL SHIM BLOCKING AND FURRING STRIPS WHERE LEVELING IS NECESSARY.
3. COORDINATE NUMBERING AND ADA LOCKERS WITH THE OWNER.
4. SEE TYPICAL ELEVATIONS FOR COLORS.
5. THE CONTRACTOR SHALL PROTECT ALL EXISTING ADJACENT CONSTRUCTION DURING REMOVAL AND INSTALLATION OF LOCKERS AND MARKER BOARDS.
6. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LOCKER COUNTS.
7. HANDICAPPED ACCESSIBLE LOCKERS
   A. PROVIDE COMPLIANT RECESSED HANDLE WITH MULTI-POINT LATCHING.
   B. LOWER TIER OPENING SHALL BE UTILIZED FOR HANDICAPPED ACCESSIBILITY. PROVIDE ADDITIONAL SHELF AS INDICATED ON DETAIL.
   C. PROVIDE HANDICAPPED ACCESSIBLE SIGN TO OWNER. DO NOT INSTALL.
   D. 5% OF TOTAL LOCKER COUNT SHALL BE HANDICAPPED ACCESSIBLE. PROVIDE EQUAL DISBURSEMENT THROUGHOUT THE BUILDING.



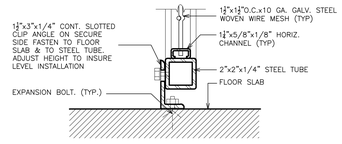
ELEVATION – DOUBLE TIER LOCKER

SECTION – DOUBLE TIER LOCKER

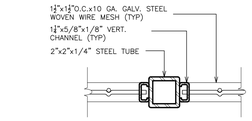
10 NEW LOCKER
SCALE: 1 1/2" = 1'-0"



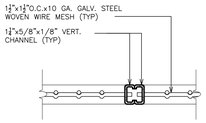
A HEAD DETAIL
SCALE: 3" = 1'-0"



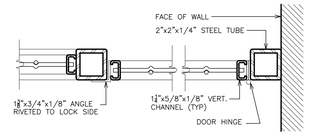
B SILL DETAIL
SCALE: 3" = 1'-0"



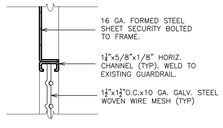
C MULION DETAIL
SCALE: 3" = 1'-0"



D MULION DETAIL
SCALE: 3" = 1'-0"



E DOOR FRAME DETAIL
SCALE: 3" = 1'-0"



F MEETING RAIL DETAIL
SCALE: 3" = 1'-0"

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION IN TERROR
RENOVATIONS TO EXISTING SCHOOL
20 FARM TO MARKET ROAD BREWSTER, NY 10509

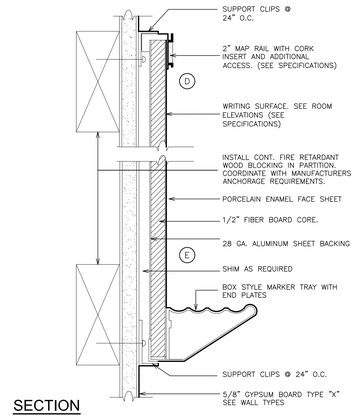
DRAWING TITLE
PARTITION TYPES & MISCELLANEOUS DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

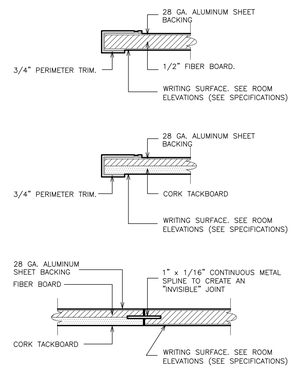
SHEET SIZE 30"x42"
DRAWING NO. CVS A501
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 11:02am

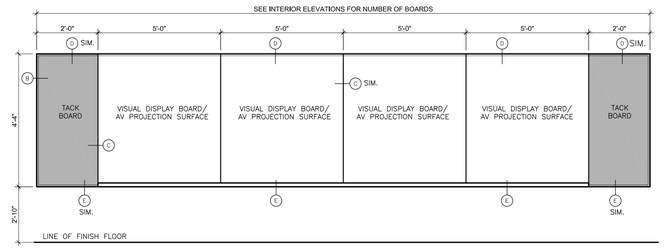
FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A501.dwg



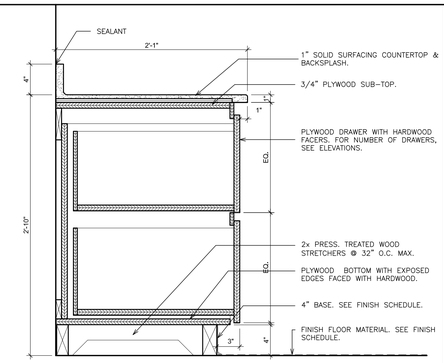
SECTION
SCALE: 6" = 1'-0"



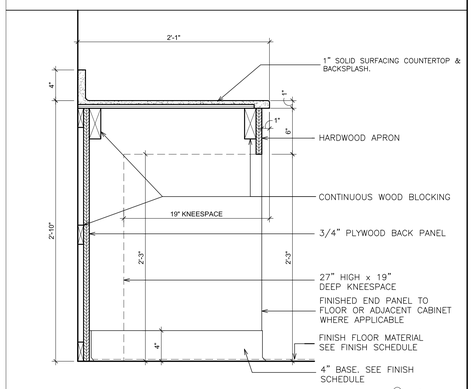
JOINT @ WHITEBOARD/TACKBOARD
SCALE: 6" = 1'-0"



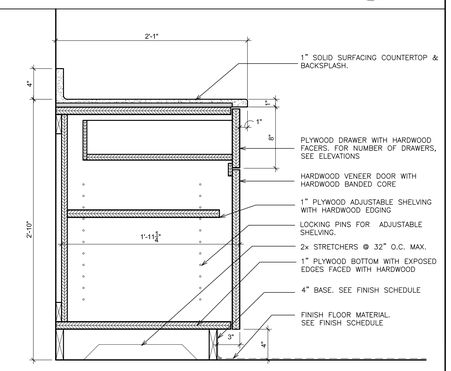
5 DETAIL - MARKER BOARDS/TACKBOARDS
SCALE: 1/2" = 1'-0"



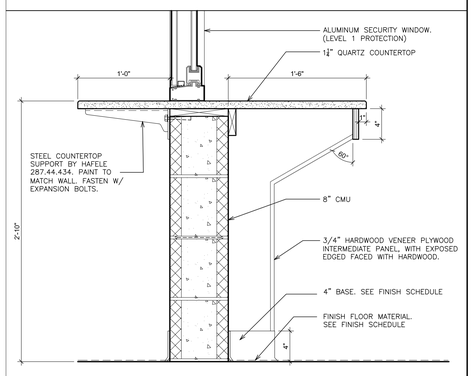
1 DETAIL - LATERAL CABINET
SCALE: 1 1/2" = 1'-0"



2 DETAIL - WORKSTATION
SCALE: 1 1/2" = 1'-0"



3 DETAIL - BASE CABINET
SCALE: 1 1/2" = 1'-0"



4 DETAIL - SECURITY COUNTER
SCALE: 1 1/2" = 1'-0"

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

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BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
GYMNATORIUM ADDITION, INTERIOR RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
WOOD CASEWORK DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A525
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 11:02am
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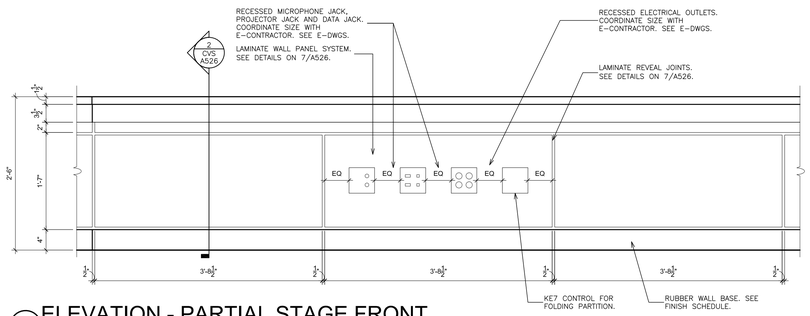
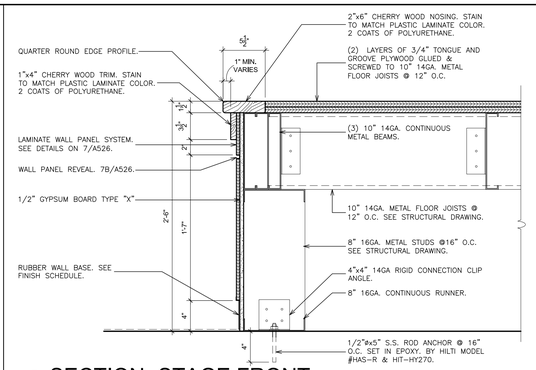


1 ELEVATION - PARTIAL STAGE FRONT
SCALE: 1" = 1'-0"



2 SECTION- STAGE FRONT
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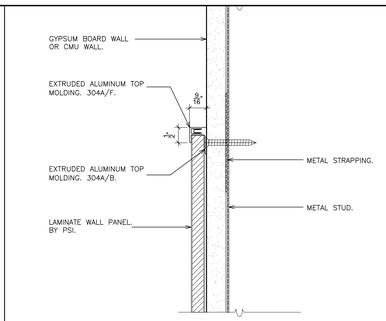
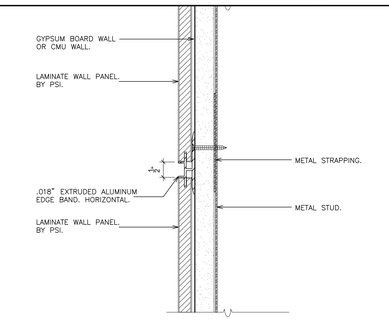


7A DETAIL - WALL PANELS
SCALE: 6" = 1'-0"



7B DETAIL - WALL PANELS
SCALE: 6" = 1'-0"

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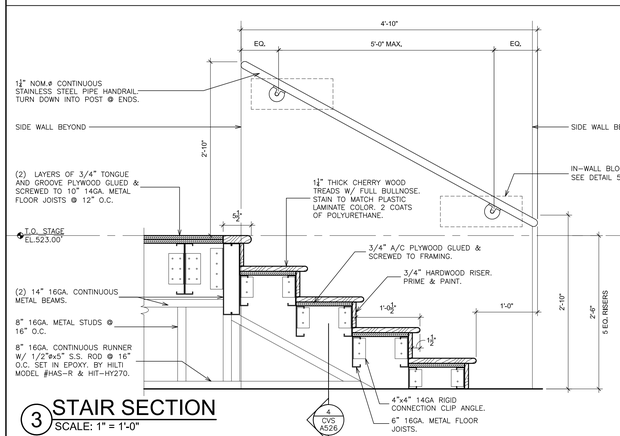

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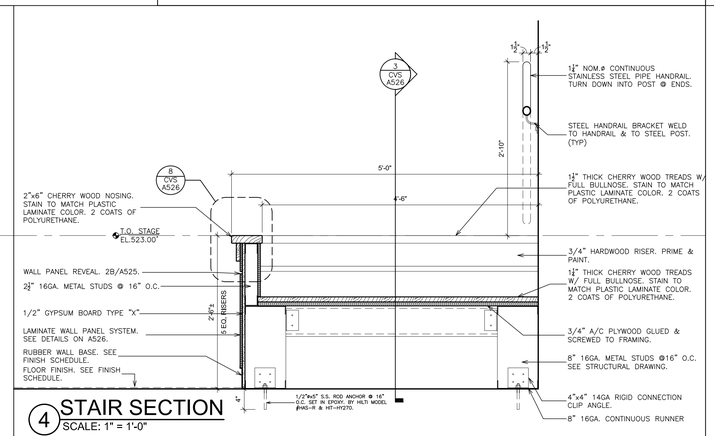

4 STAIR SECTION
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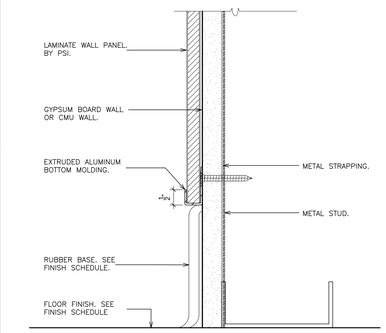
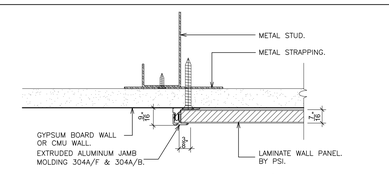
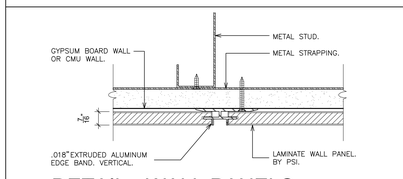


7C DETAIL - WALL PANELS
SCALE: 6" = 1'-0"



7D DETAIL - WALL PANELS
SCALE: 6" = 1'-0"



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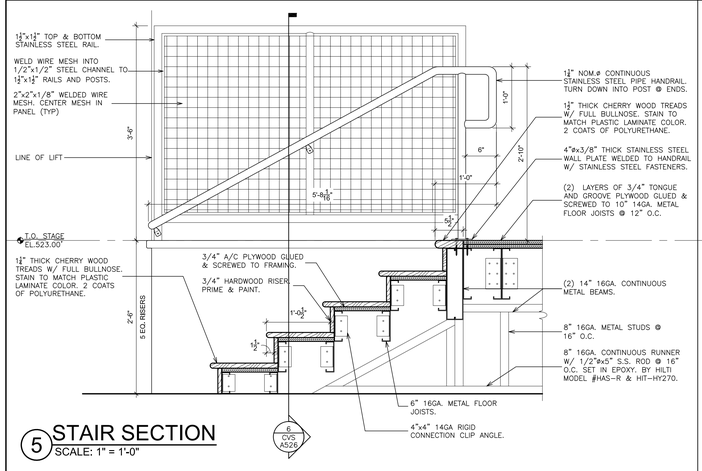

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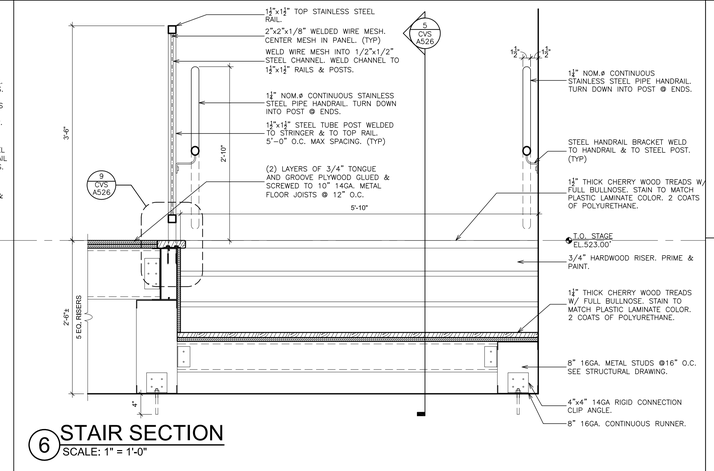

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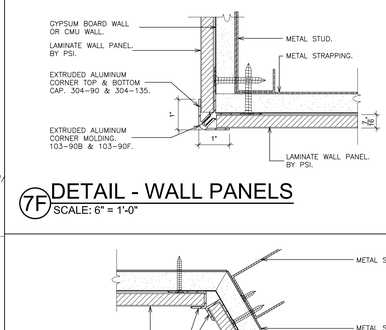

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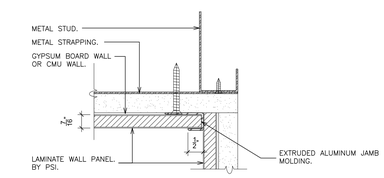

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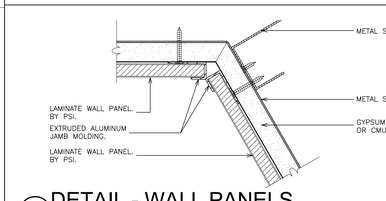

7G DETAIL - WALL PANELS
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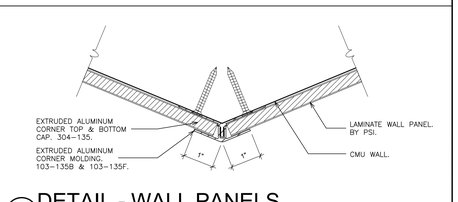

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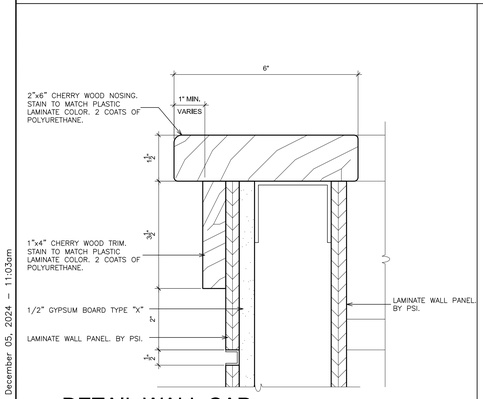
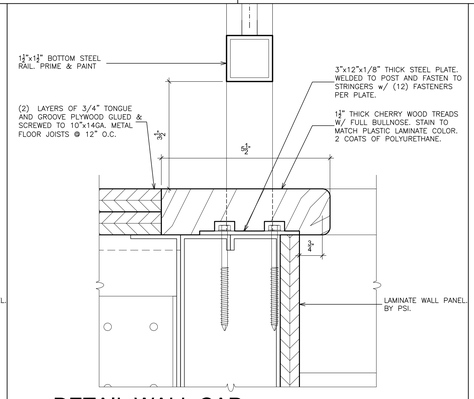
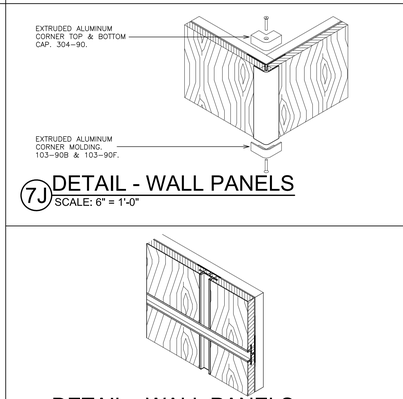


8 DETAIL WALL CAP
SCALE: 6" = 1'-0"



9 DETAIL WALL CAP
SCALE: 6" = 1'-0"

7J DETAIL - WALL PANELS
SCALE: 6" = 1'-0"



7K DETAIL - WALL PANELS
SCALE: 6" = 1'-0"

FULLER D'ANGELO P.C. ARCHITECTS PLANNERS
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WWW.FULLERDANGELO.COM

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION INTERIOR
RENOVATIONS & EXISTING CAFETERIA CONVERSION
20 FARM TO MARKET ROAD BREWSTER, NY 10509

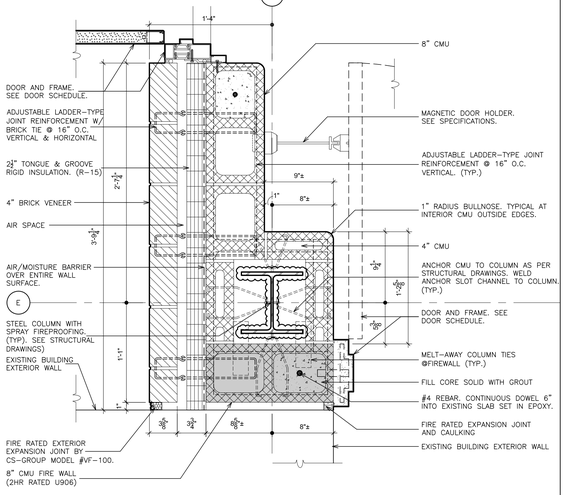
DRAWING TITLE
STAGE & STAIR DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A526
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

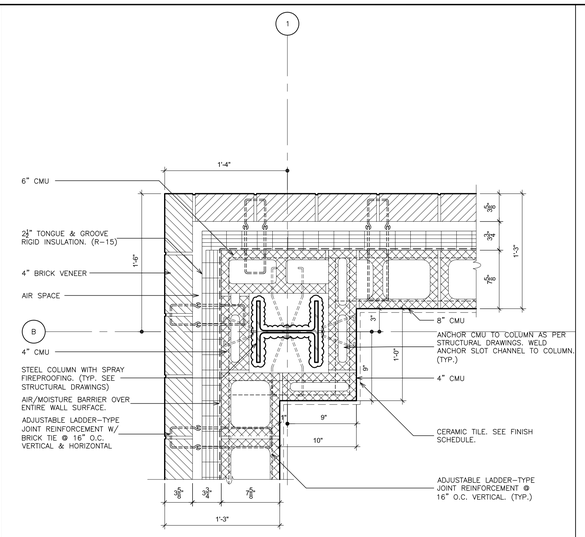
PLOT DATE: December 05, 2024 - 11:03am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A526.dwg



1 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"

COLUMN U.L. DESIGN X790



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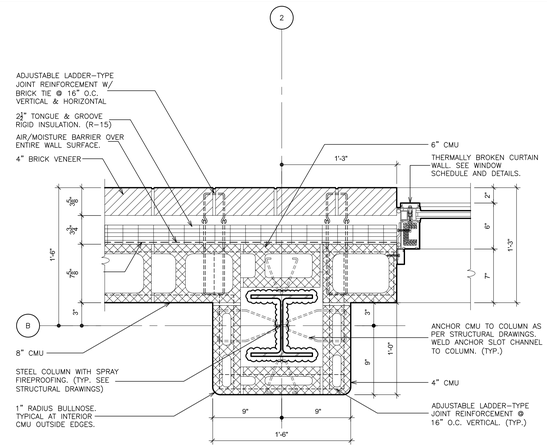
COLUMN U.L. DESIGN X790



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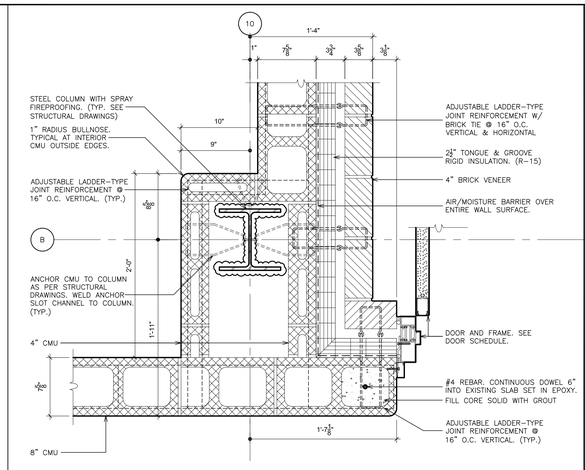

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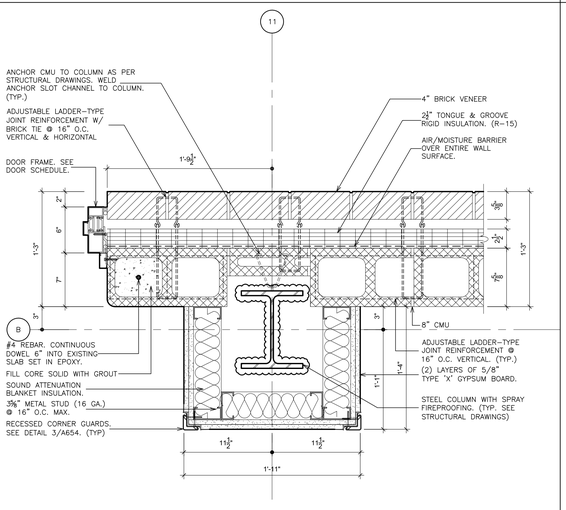

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SCALE: 1 1/2" = 1'-0"

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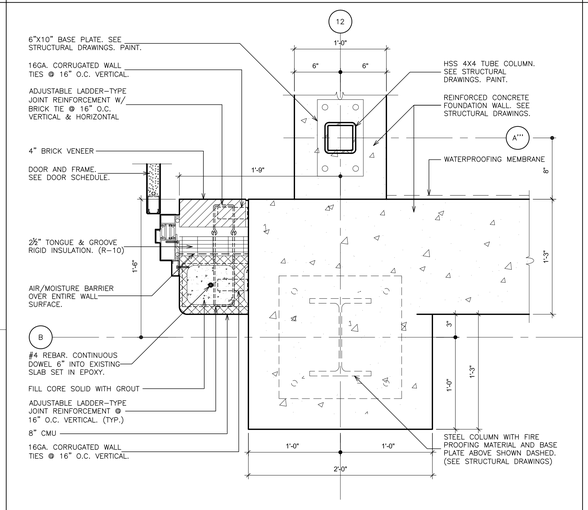

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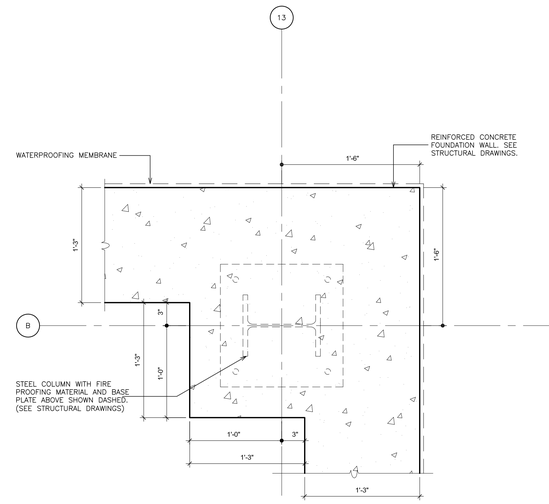

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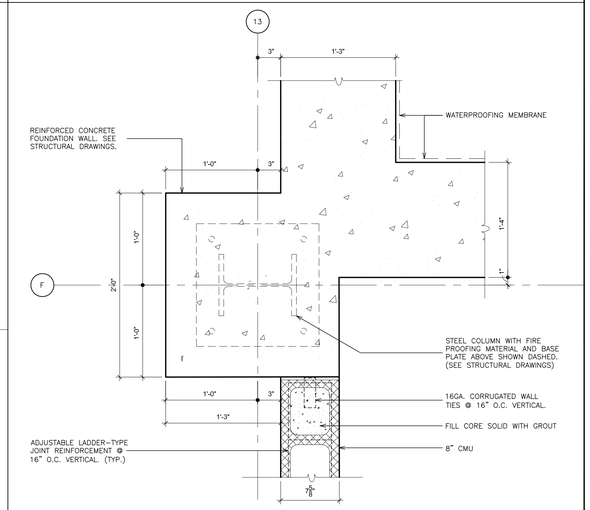

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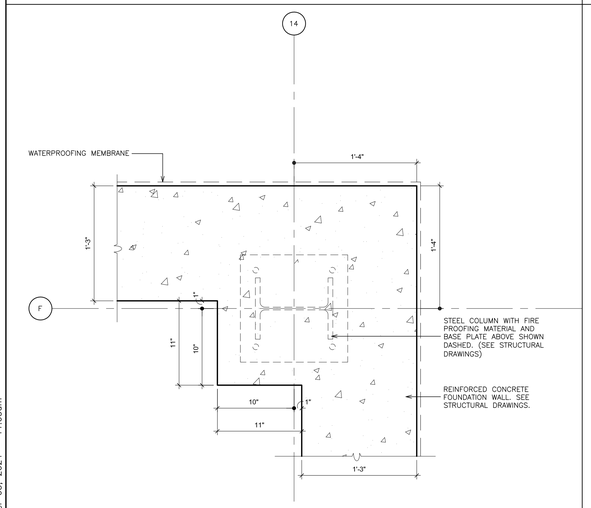

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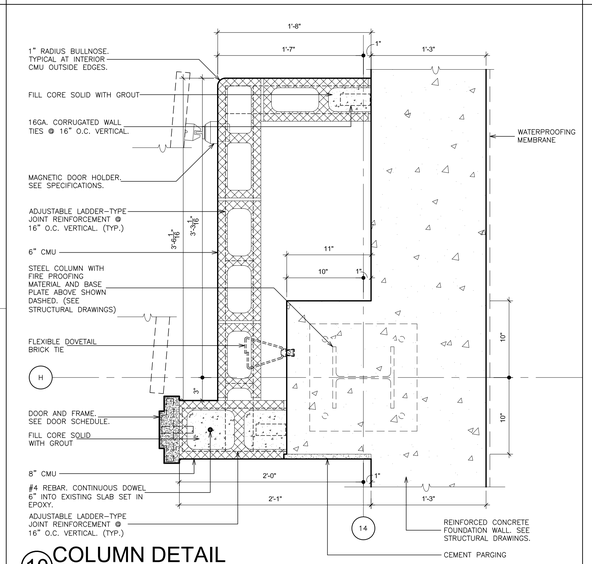

10 COLUMN DETAIL
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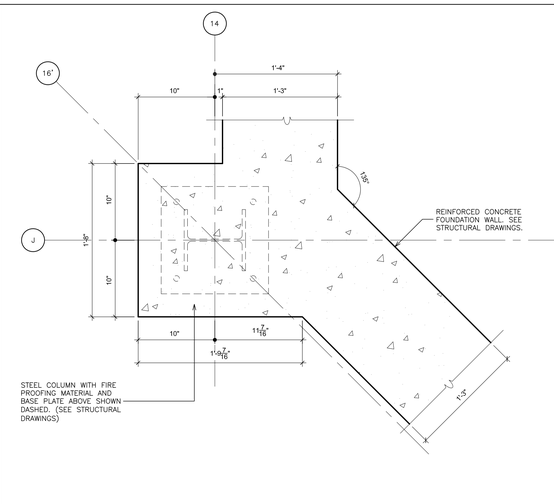
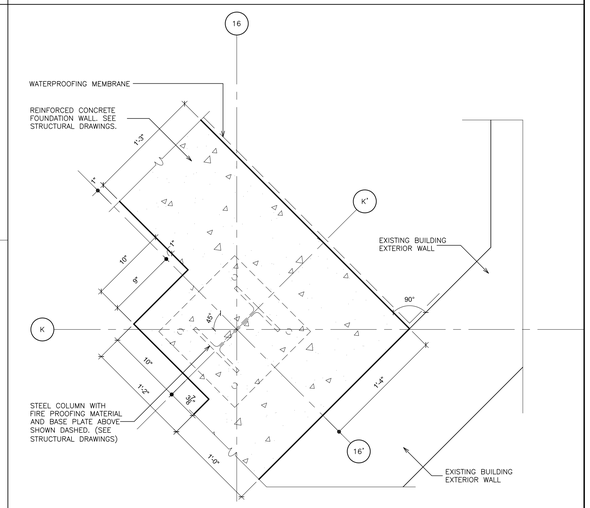


11 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"



12 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
PROPOSED CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
ADDITION/RENOVATION/INTERIOR
RENOVATIONS & SITE WORK
257 FARM TO MARKET ROAD BREWSTER, NY 10509

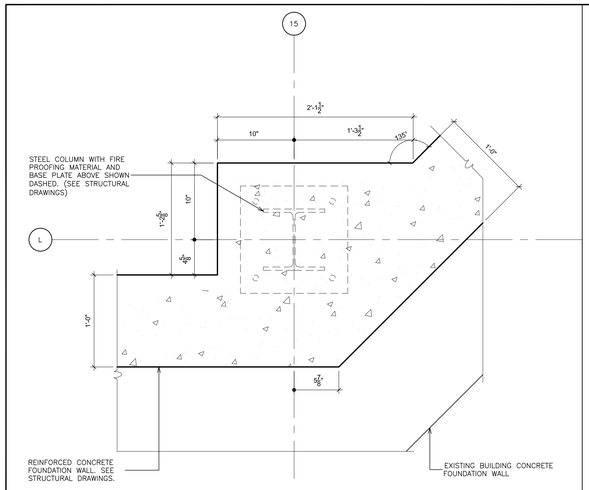
DRAWING TITLE
COLUMN DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A600
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 11:03am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A600-605.dwg



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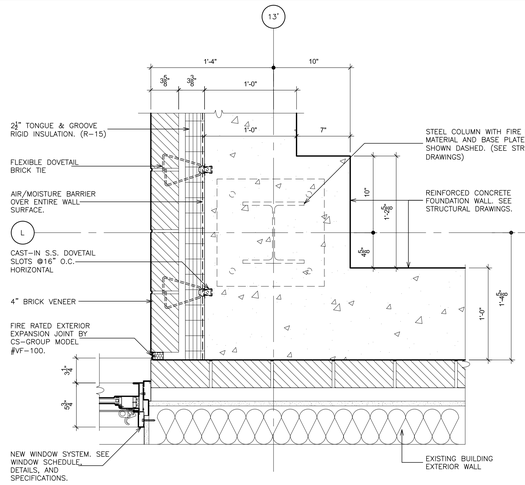
SCALE: 1 1/2" = 1'-0"



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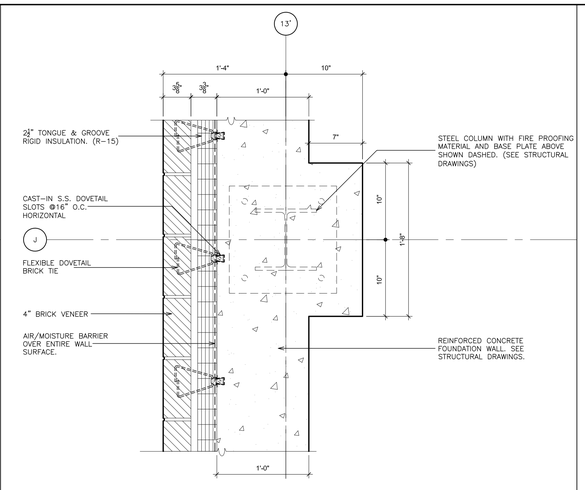

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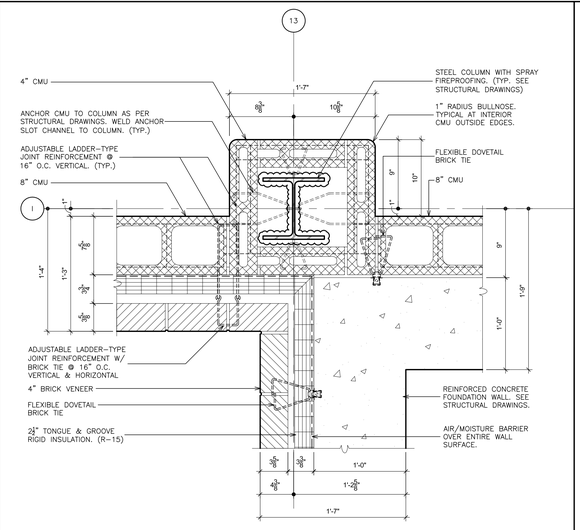

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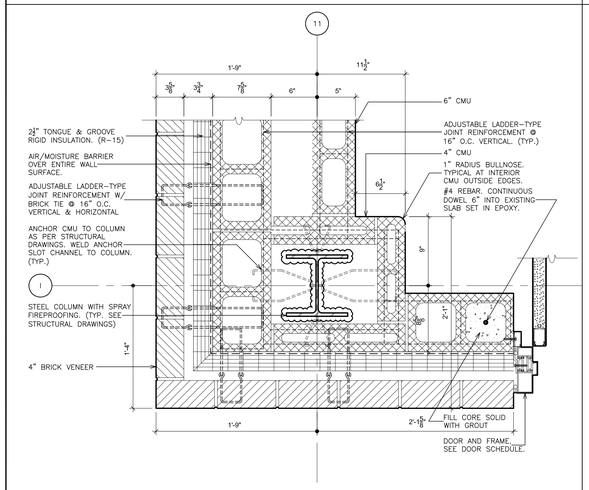
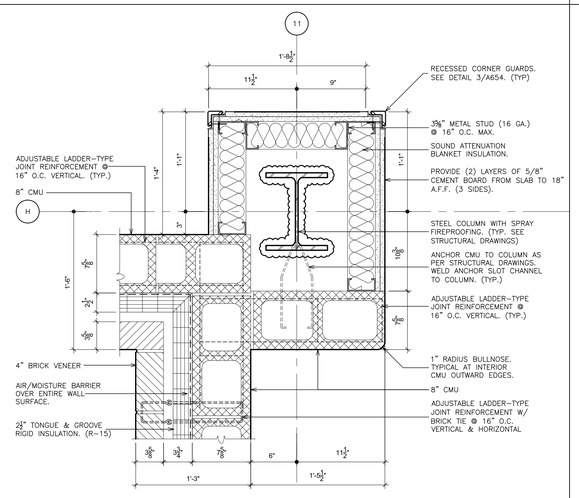
SCALE: 1 1/2" = 1'-0"

COLUMN U.L. DESIGN X790



17 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"

COLUMN U.L. DESIGN X790



18 COLUMN DETAIL
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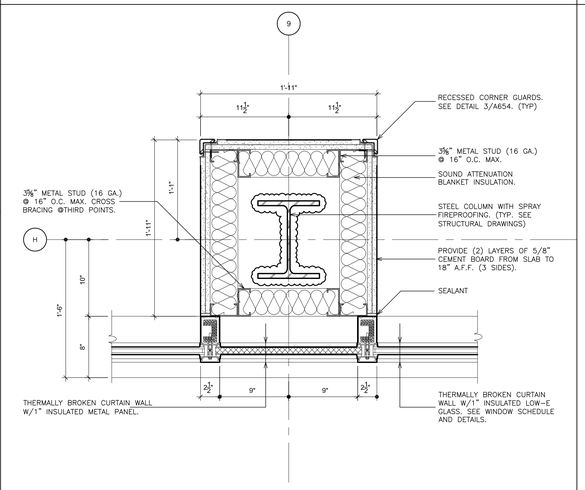
COLUMN U.L. DESIGN X790

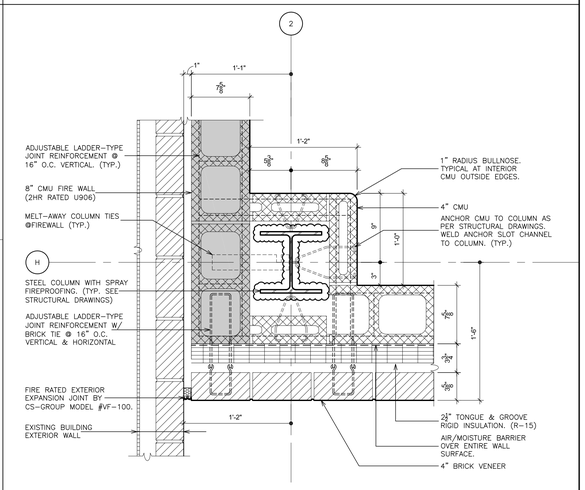


19 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"

COLUMN U.L. DESIGN X790

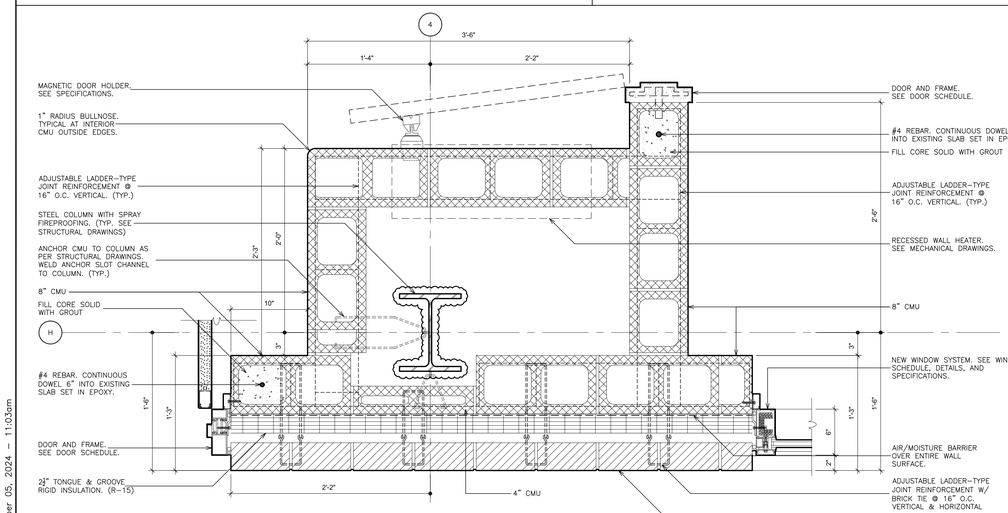
COLUMNS THAT ARE SIMILAR: (SEE PLAN FOR ORIENTATION)

GROUND FLOOR – H,5; H,6; H,7; H,8

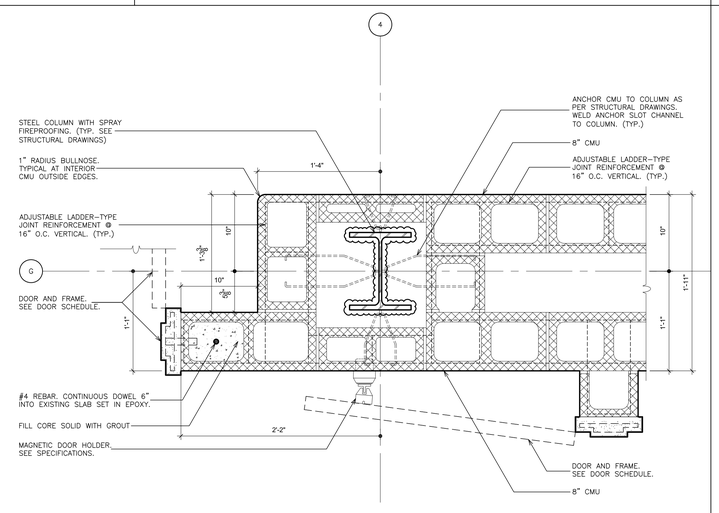


20 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"

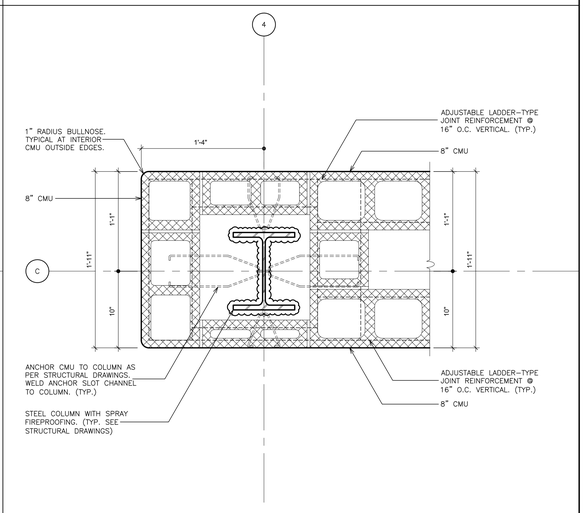
COLUMN U.L. DESIGN X790



21 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"



22 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"



23 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
NEW ROCHELLE CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

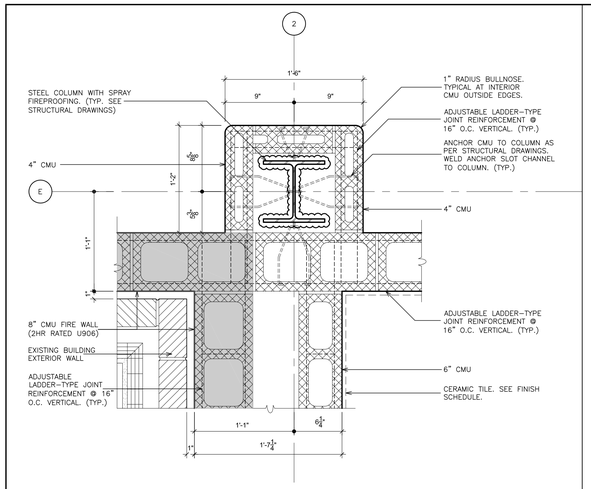
DRAWING TITLE
COLUMN DETAILS

12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE 30"x42"	DRAWING NO. CVS A601
SCALE AS NOTED	
DRAWN BY	FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 11:03am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A600-605.dwg



24 COLUMN DETAIL
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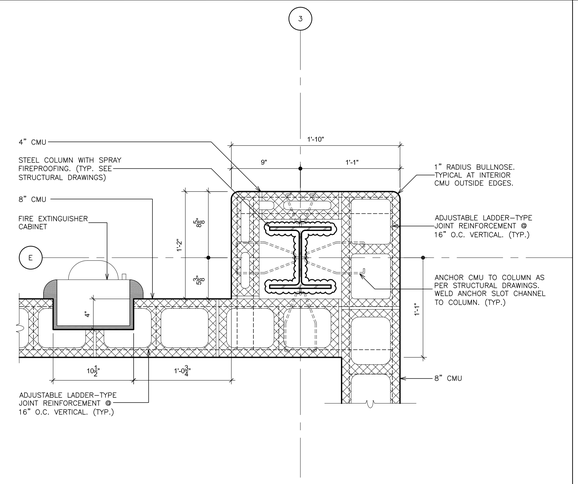
COLUMN U.L. DESIGN X790



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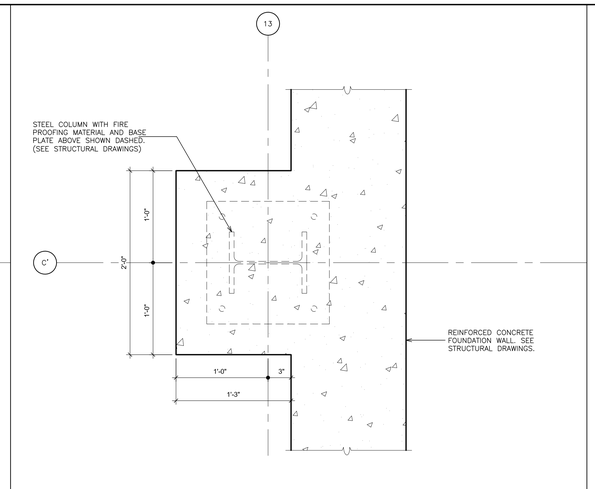

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27 COLUMN DETAIL - NOT USED
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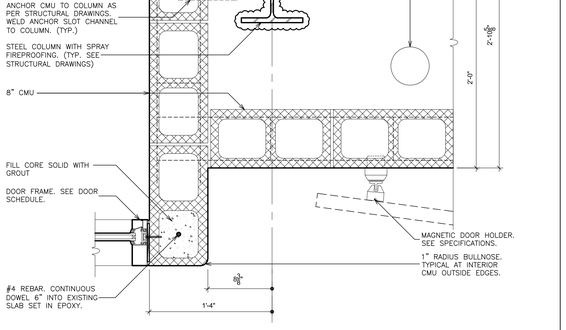

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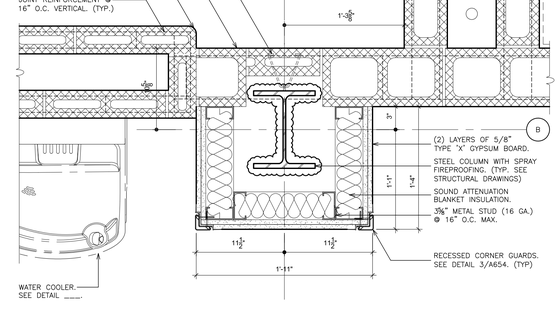

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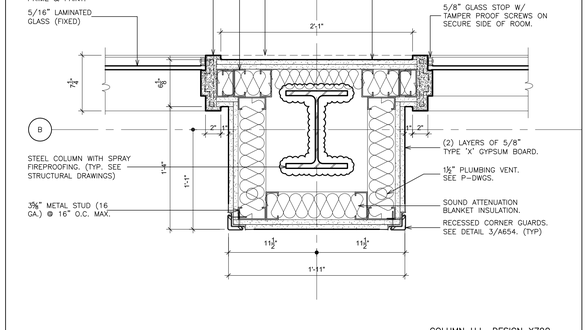
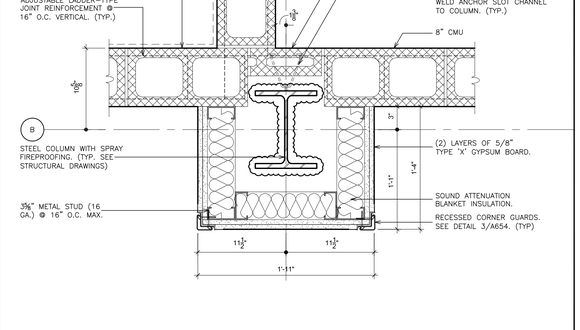


30 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"

COLUMN U.L. DESIGN X790

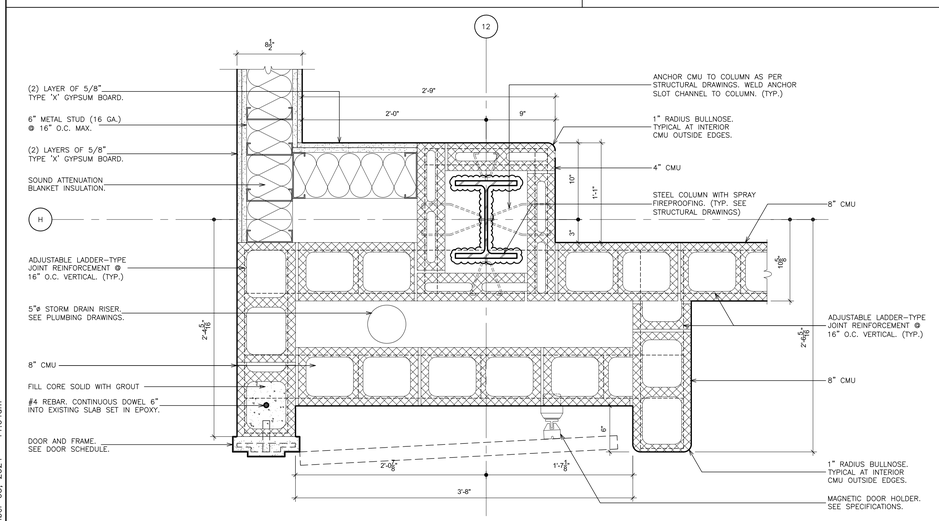
COLUMNS THAT ARE SIMILAR: (SEE PLAN FOR ORIENTATION)

GROUND FLOOR – B,7; B,8



31 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"

COLUMN U.L. DESIGN X790



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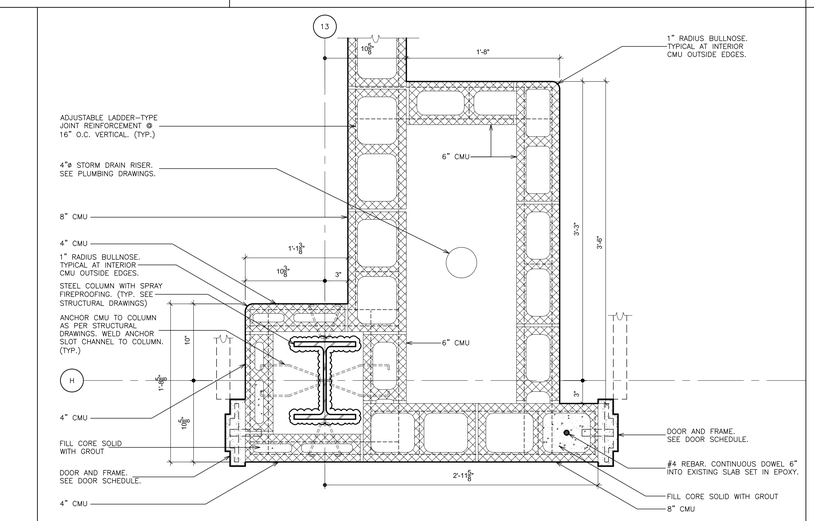
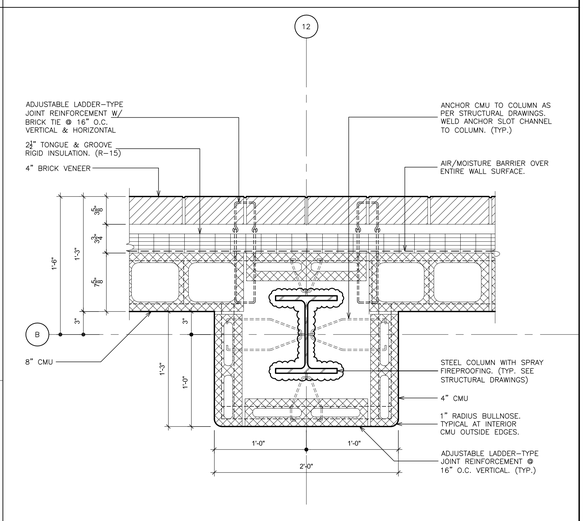
COLUMN U.L. DESIGN X790



33 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"

COLUMN U.L. DESIGN X790



34 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"

COLUMN U.L. DESIGN X790

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION & INTERIOR RENOVATIONS AS PER PLANS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

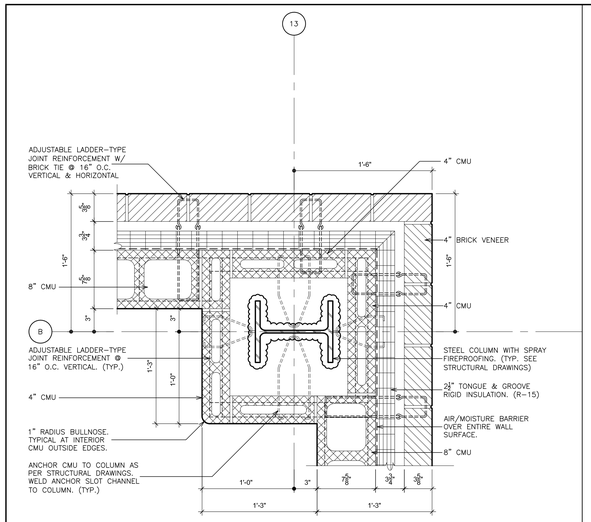
DRAWING TITLE
COLUMN DETAILS

12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE 30"x42"	DRAWING NO. CVS A602
SCALE AS NOTED	
DRAWN BY	FILE NO. 23505.02

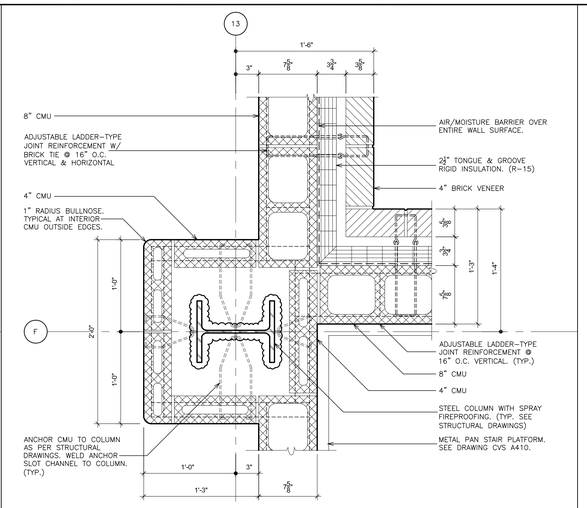
PLOT DATE: December 05, 2024 - 11:04am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A600-605.dwg



35 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"

COLUMN U.L. DESIGN X790



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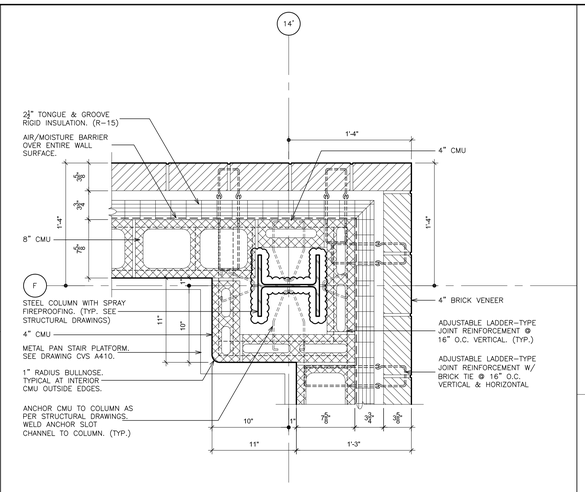

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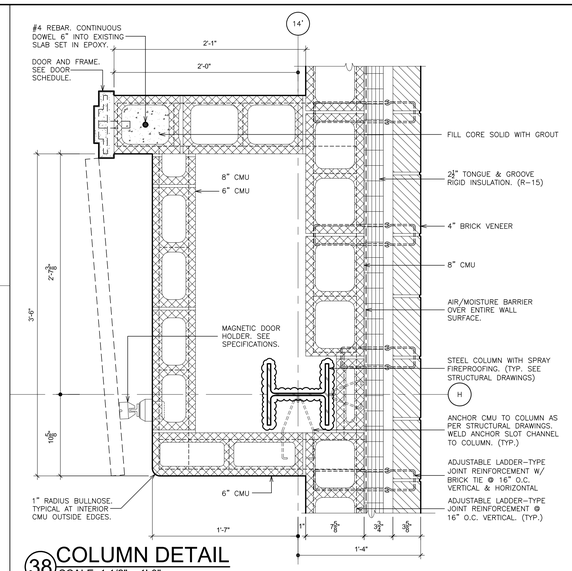

38 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"

COLUMN U.L. DESIGN X790

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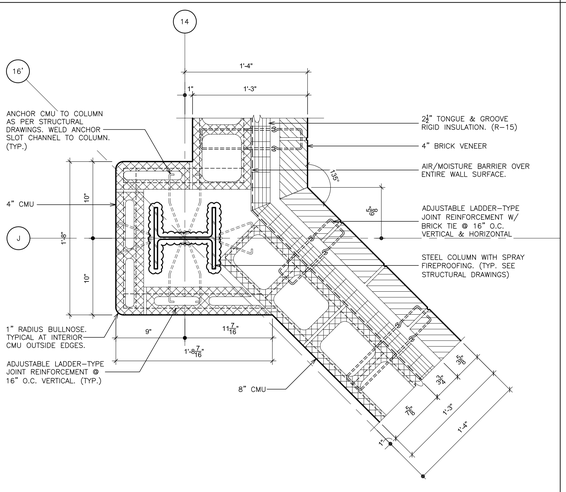

39 COLUMN DETAIL
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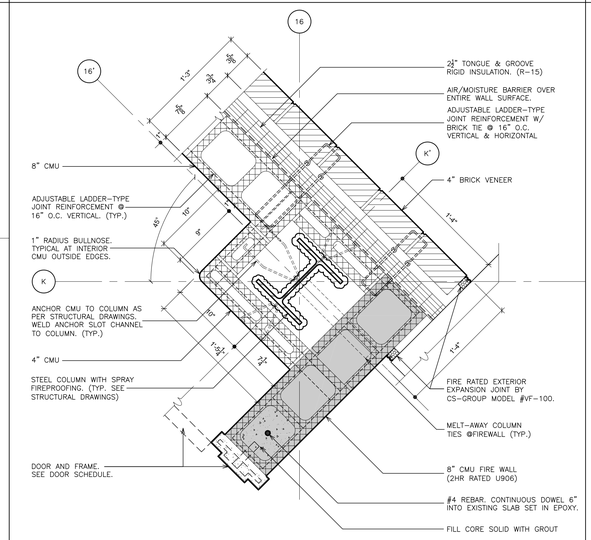

40 COLUMN DETAIL
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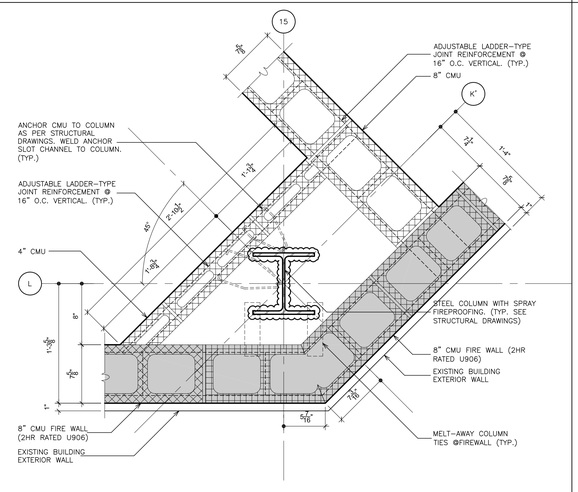

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SCALE: 1 1/2" = 1'-0"

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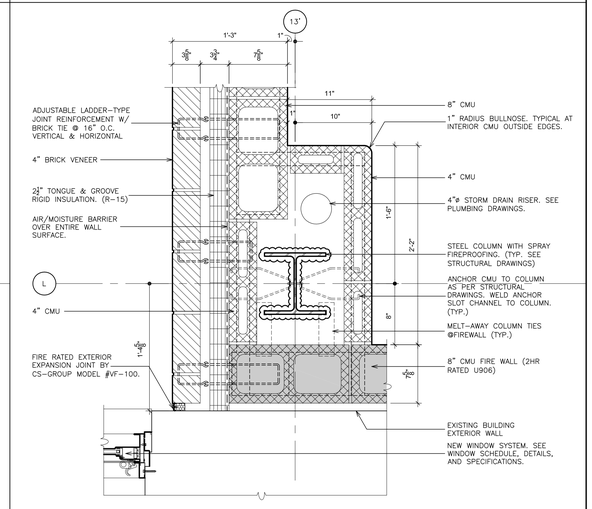

42 COLUMN DETAIL
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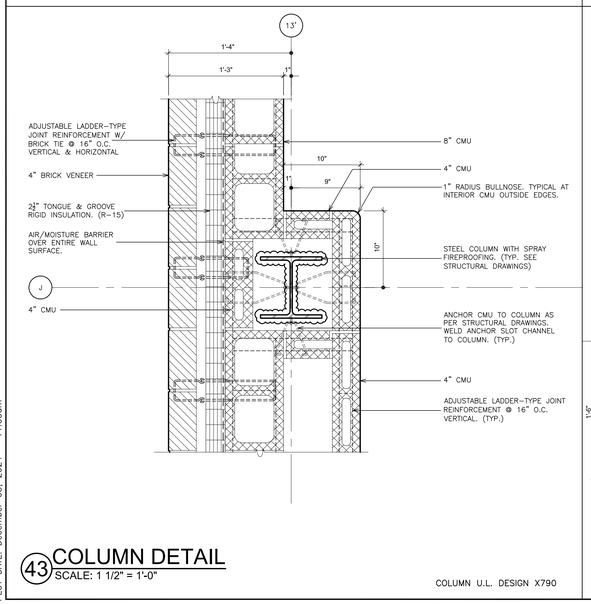
COLUMN U.L. DESIGN X790



43 COLUMN DETAIL
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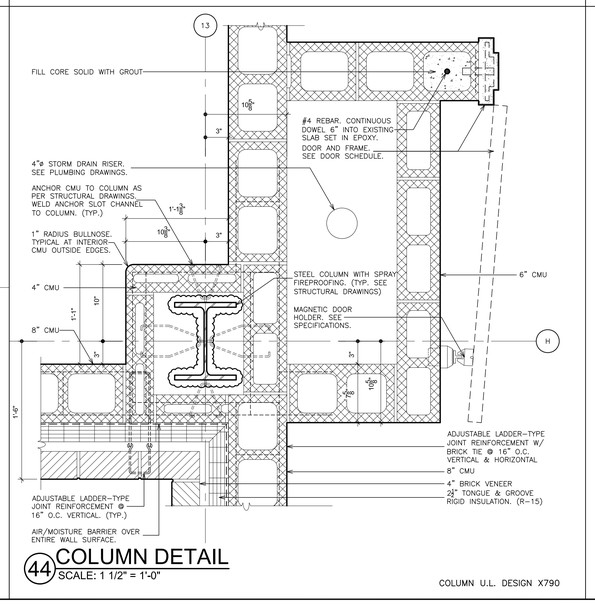
COLUMN U.L. DESIGN X790



44 COLUMN DETAIL
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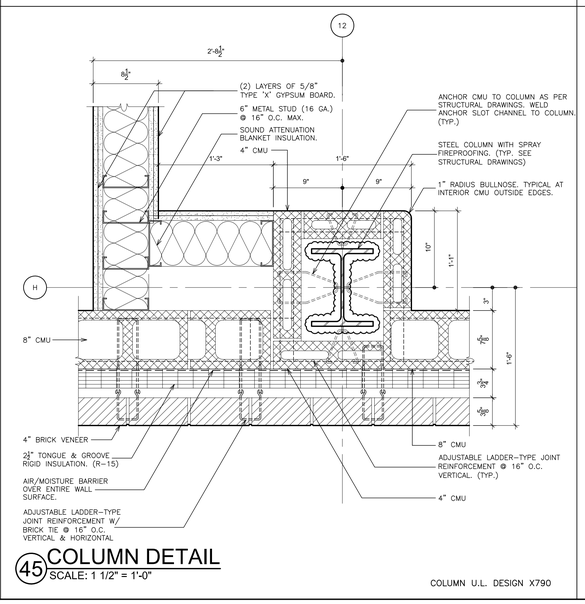

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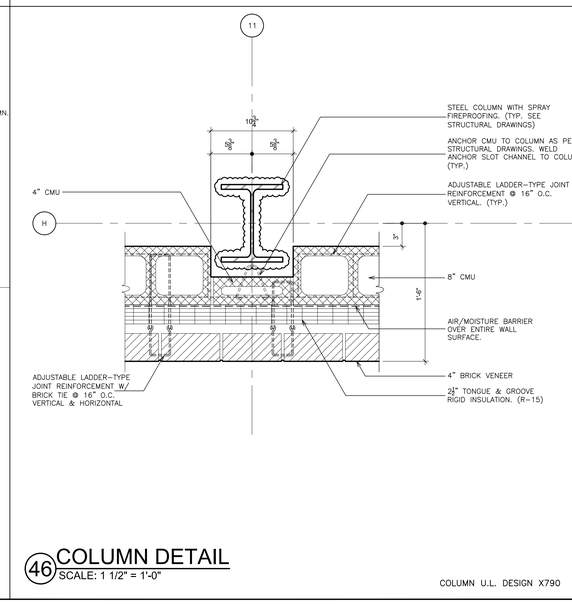
COLUMN U.L. DESIGN X790



46 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"

COLUMN U.L. DESIGN X790

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STAHR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
COLUMN DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A603
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 11:05am

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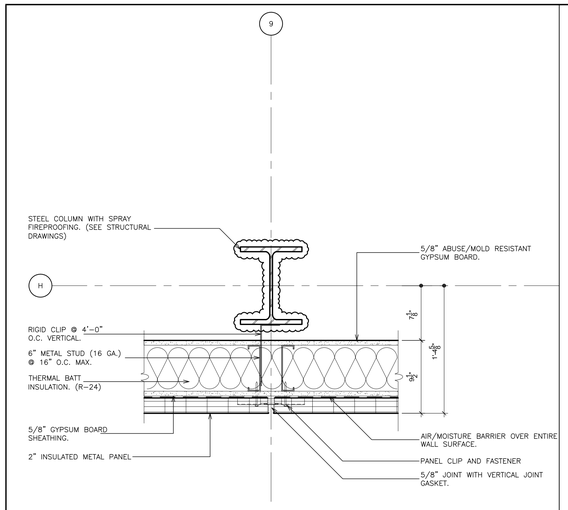
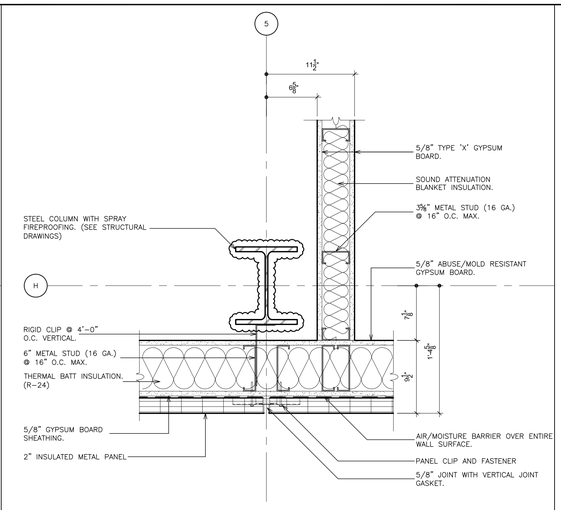


COLUMN U.L. DESIGN X790

COLUMNS THAT ARE SIMILAR: (SEE PLAN FOR ORIENTATION)

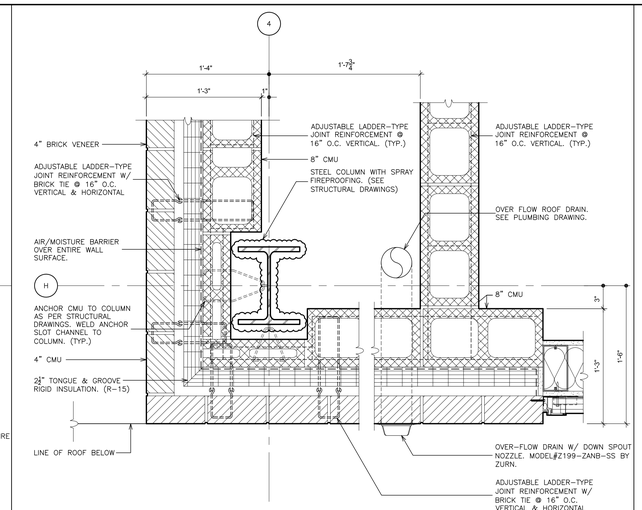
BASEMENT – H,6; H,7; H,8

47 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"



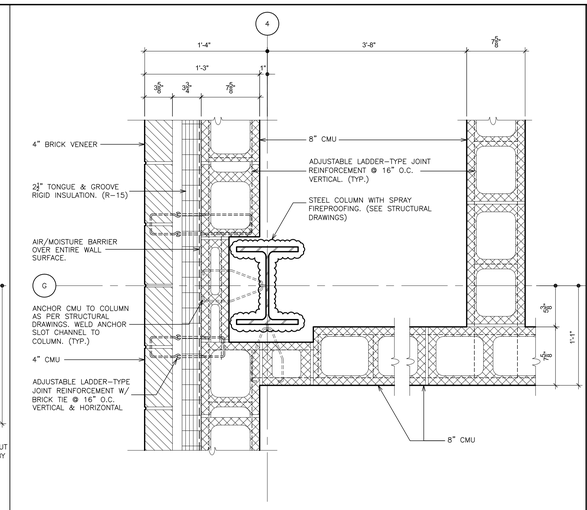
48 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"

COLUMN U.L. DESIGN X790



49 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"

COLUMN U.L. DESIGN X790



50 COLUMN DETAIL
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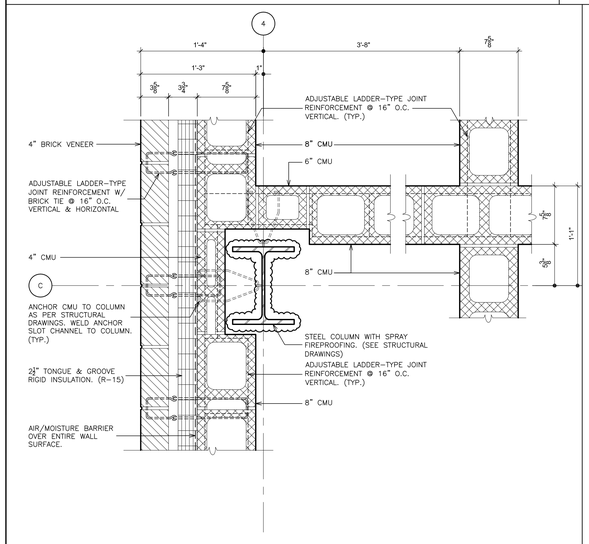
COLUMN U.L. DESIGN X790



51 COLUMN DETAIL
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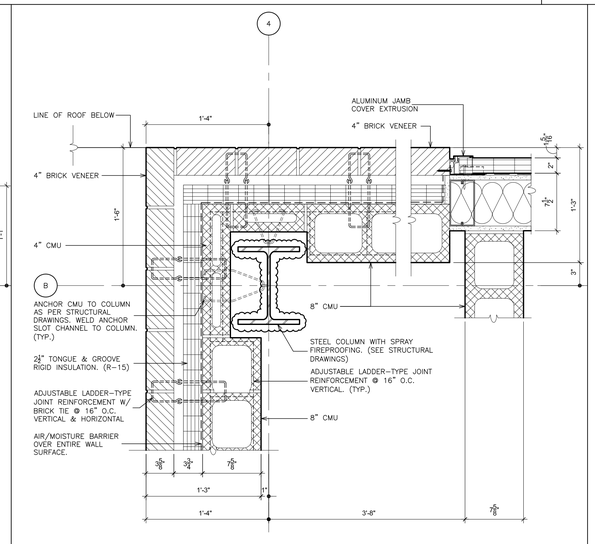
COLUMN U.L. DESIGN X790



52 COLUMN DETAIL
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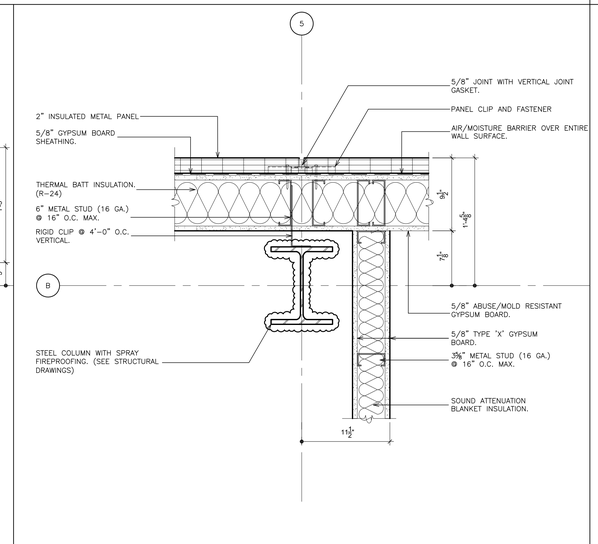
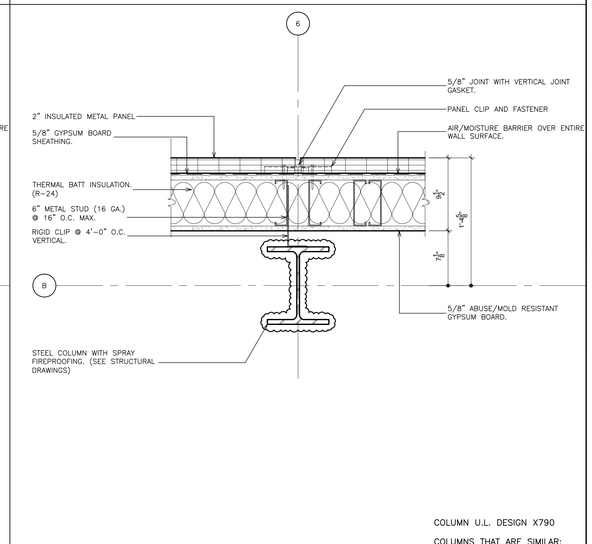
COLUMN U.L. DESIGN X790



53 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"

COLUMN U.L. DESIGN X790

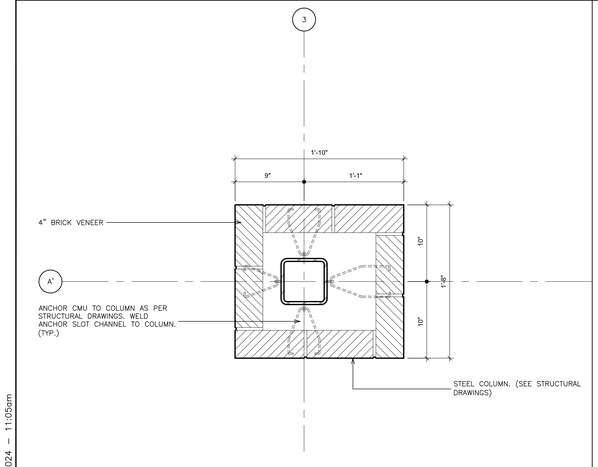


54 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"

COLUMN U.L. DESIGN X790

COLUMNS THAT ARE SIMILAR: (SEE PLAN FOR ORIENTATION)

GROUND FLOOR – B,7; B,8; B,9; B,11



55 COLUMN DETAIL
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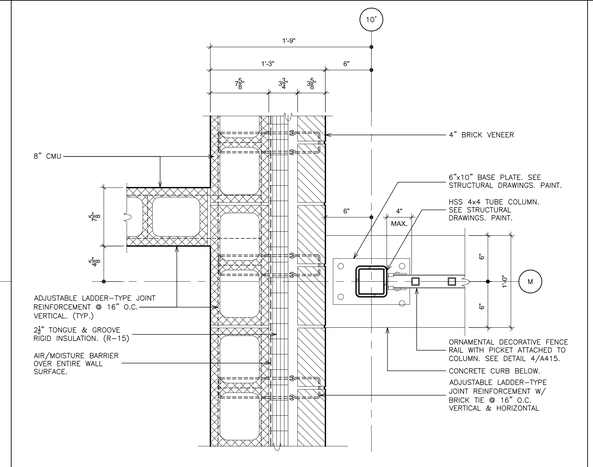

56 COLUMN DETAIL
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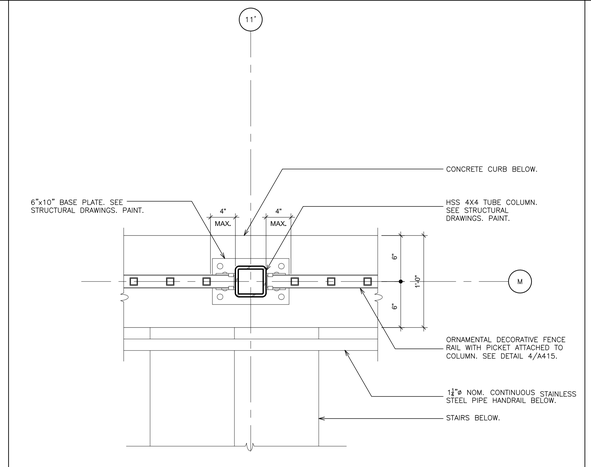

57 COLUMN DETAIL
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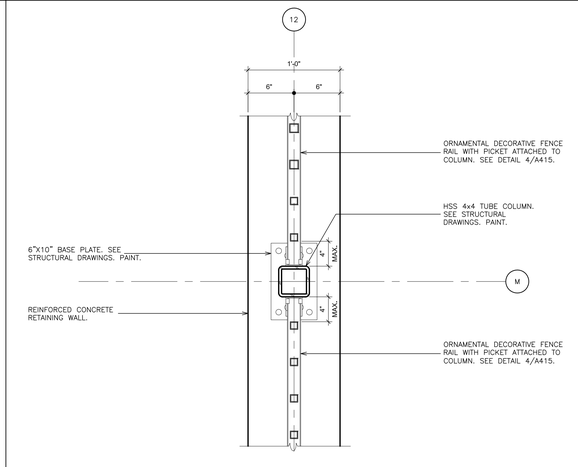

58 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER: 48-06-01-06-0-001-026

PROJECT TITLE: CVS - WESTCHESTER CENTRAL SCHOOL DISTRICT C.V. STARR INTERMEDIATE SCHOOL RENOVATION & ADDITION IN TERROR CAFETORIUM & ATHLETIC IN TERROR
20 FARM TO MARKET ROAD BREWSTER, NY 10509

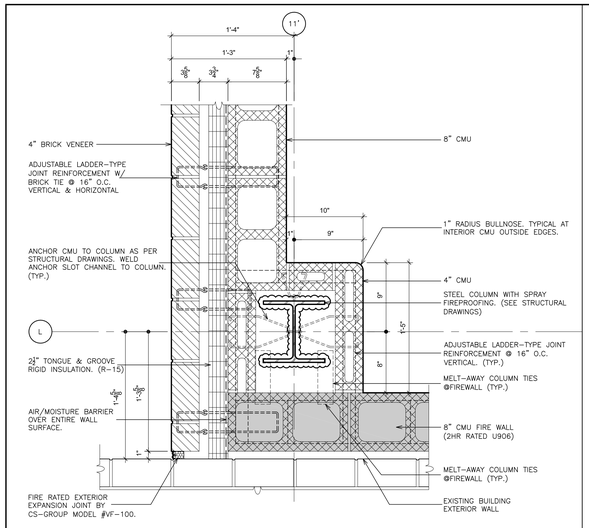
DRAWING TITLE: COLUMN DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS A604
SCALE: AS NOTED
DRAWN BY:
FILE NO.: 23505.02

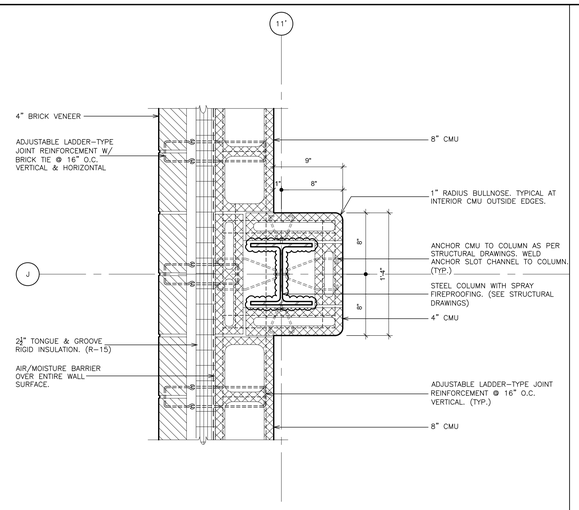
PLOT DATE: December 05, 2024 - 11:05am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A600-605.dwg



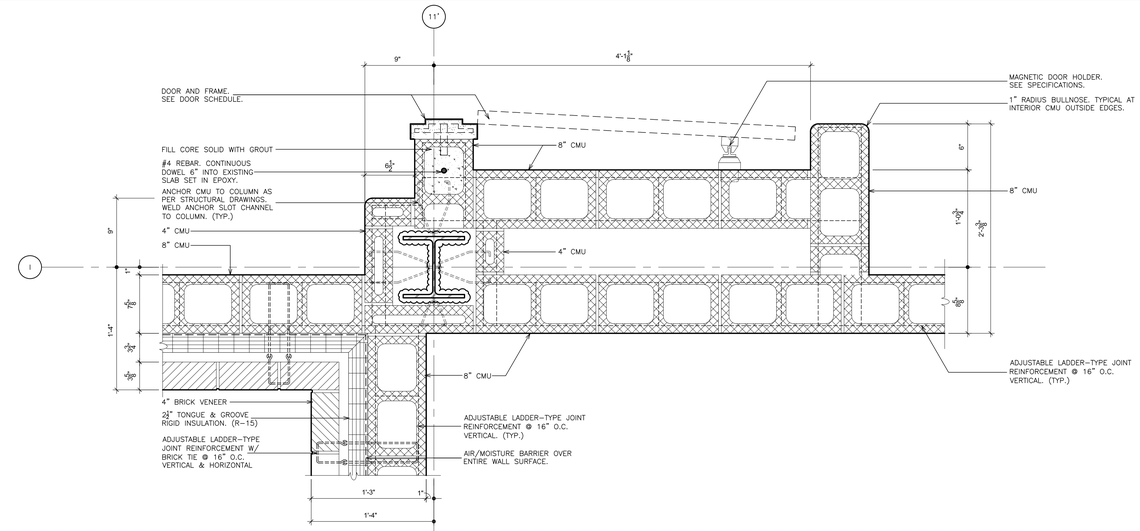
59 COLUMN DETAIL - ALTERNATE GC-1
SCALE: 1 1/2" = 1'-0"

COLUMN U.L. DESIGN X790



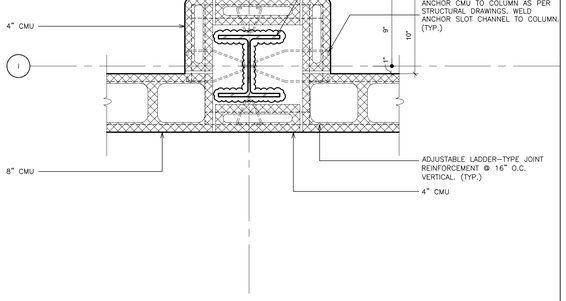
60 COLUMN DETAIL - ALTERNATE GC-1
SCALE: 1 1/2" = 1'-0"

COLUMN U.L. DESIGN X790



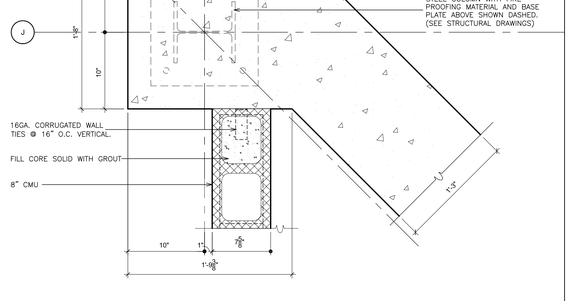
61 COLUMN DETAIL - ALTERNATE GC-1
SCALE: 1 1/2" = 1'-0"

COLUMN U.L. DESIGN X790



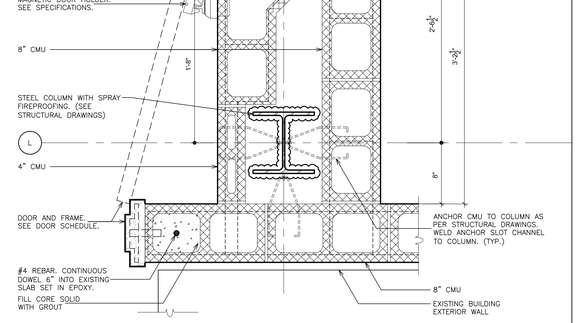
62 COLUMN DETAIL - ALTERNATE GC-1
SCALE: 1 1/2" = 1'-0"

COLUMN U.L. DESIGN X790



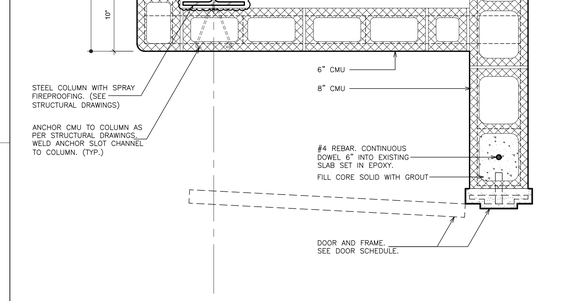
63 COLUMN DETAIL - ALTERNATE GC-1
SCALE: 1 1/2" = 1'-0"

COLUMN U.L. DESIGN X790



64 COLUMN DETAIL - ALTERNATE GC-1
SCALE: 1 1/2" = 1'-0"

COLUMN U.L. DESIGN X790



65 COLUMN DETAIL - ALTERNATE GC-1
SCALE: 1 1/2" = 1'-0"

COLUMN U.L. DESIGN X790

66 COLUMN DETAIL - ALTERNATE GC-1
SCALE: 1 1/2" = 1'-0"

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

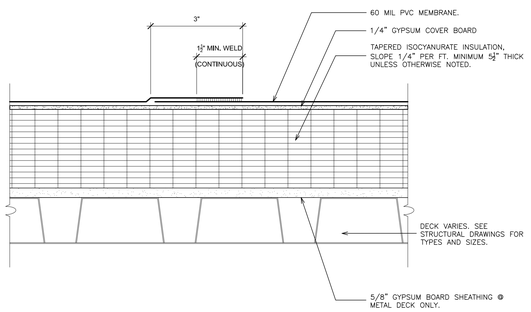
DRAWING TITLE
ALTERNATE COLUMN DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A605
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

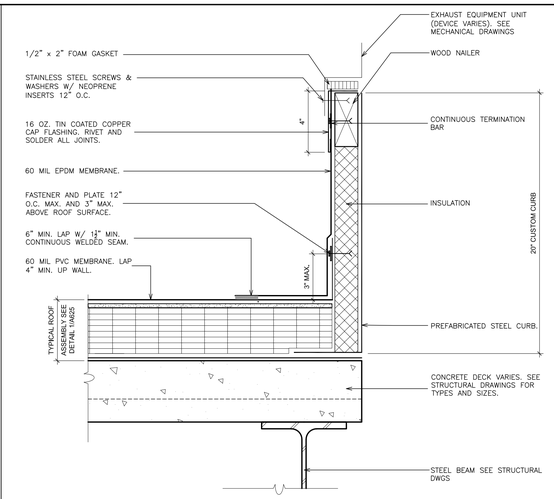
PLOT DATE: December 05, 2024 — 11:05am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A600-605.dwg

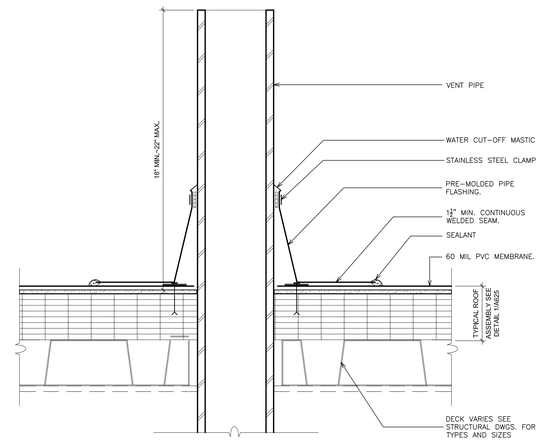


NOTE: AT CONCRETE DECK LOCATION PROVIDE VAPOR BARRIER IN TOP OF DECK.

1 TYPICAL ROOF ASSEMBLY
SCALE: 3" = 1'-0"

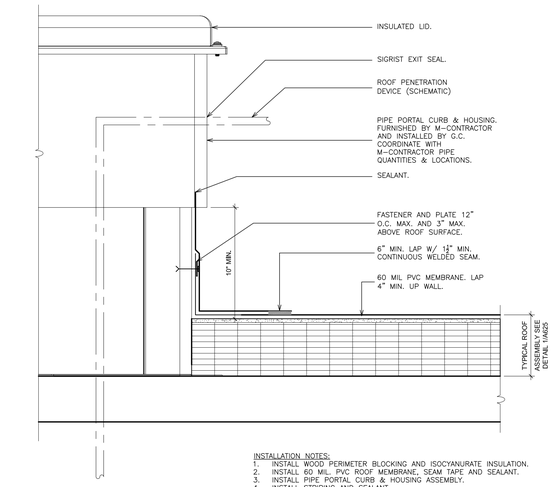


2 DETAIL- MECHANICAL CURB
SCALE: N.T.S.



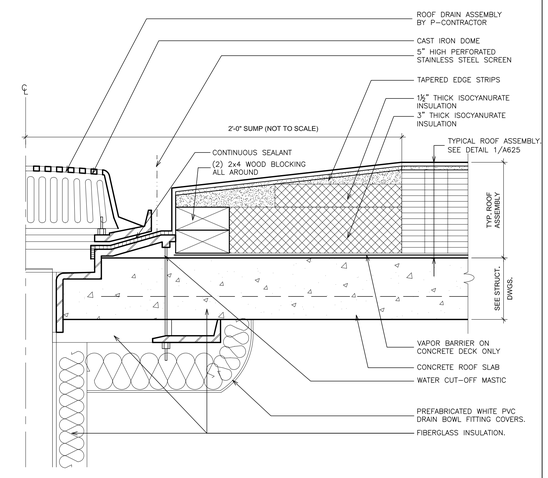
NOTES
1. LOCATE VENT PIPES AT LEAST 10'-0" AWAY FROM HVAC EQUIPMENT. SEE MECH. DWGS.
2. INSTALL PREMOLDED PIPE FLASHINGS WHEREVER POSSIBLE. WHEN PREMOLDED PIPE FLASHINGS CANNOT BE INSTALLED, USE FIELD WRAPPED FLASHINGS.

3 DETAIL- VENT FLASHING
SCALE: N.T.S.



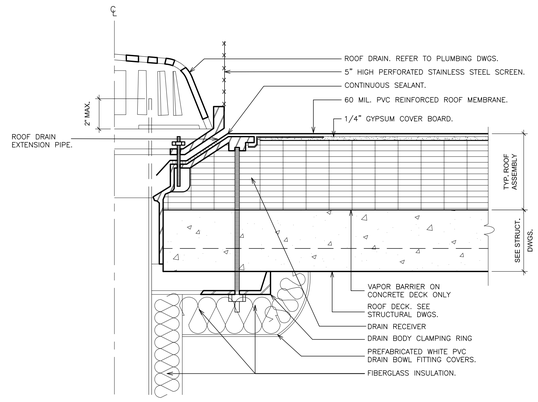
INSTALLATION NOTES:
1. INSTALL WOOD PERIMETER BLOCKING AND ISOCYANURATE INSULATION.
2. INSTALL 60 MIL. PVC ROOF MEMBRANE, SEAM TAPE AND SEALANT.
3. INSTALL PIPE PORTAL CURB & HOUSING ASSEMBLY.
4. INSTALL STRIPING AND SEALANT.

4 DETAIL- PIPE PORTAL
SCALE: N.T.S.



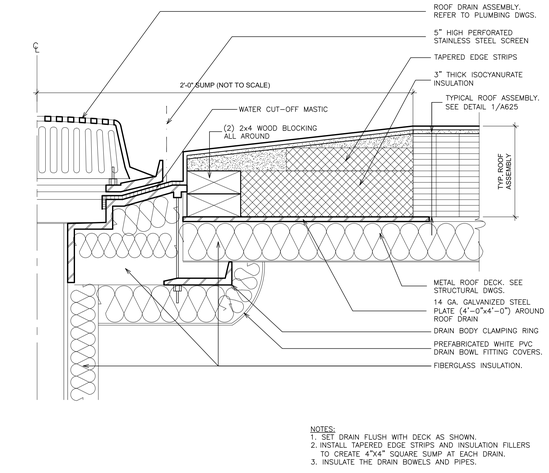
NOTES:
1. SET DRAIN FLUSH WITH DECK AS SHOWN.
2. INSTALL TAPERED EDGE STRIPS AND INSULATION FILLERS TO CREATE 4"x4" SQUARE SUMP AT EACH DRAIN.
3. INSULATE THE DRAIN BOWELS AND PIPES.

5 ROOF DRAIN @ CONCRETE DECK
SCALE: N.T.S.



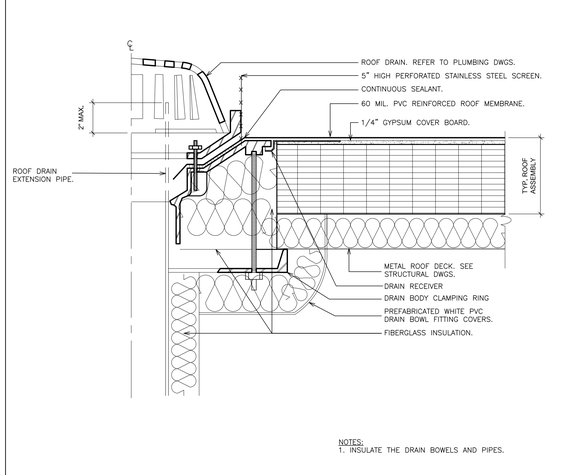
NOTES:
1. INSULATE THE DRAIN BOWELS AND PIPES.

6 OVERFLOW DRAIN @ CONCRETE DECK
SCALE: N.T.S.



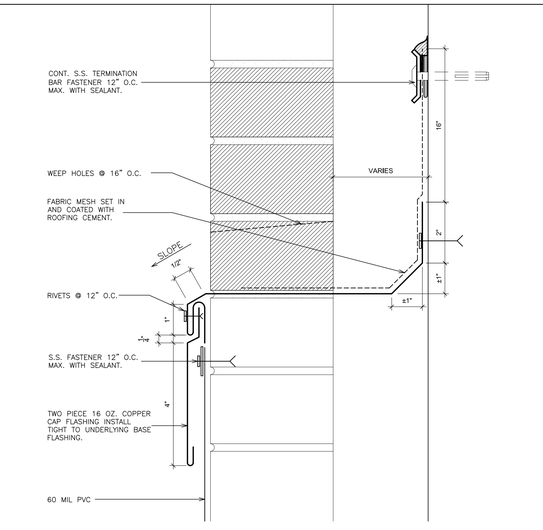
NOTES:
1. SET DRAIN FLUSH WITH DECK AS SHOWN.
2. INSTALL TAPERED EDGE STRIPS AND INSULATION FILLERS TO CREATE 4"X4" SQUARE SUMP AT EACH DRAIN.
3. INSULATE THE DRAIN BOWELS AND PIPES.

7 ROOF DRAIN @ METAL DECK
SCALE: N.T.S.

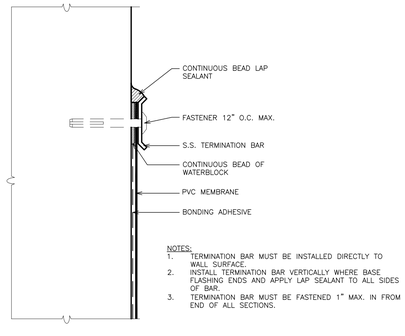


NOTES:
1. INSULATE THE DRAIN BOWELS AND PIPES.

8 OVERFLOW ROOF DRAIN @ METAL DECK
SCALE: N.T.S.

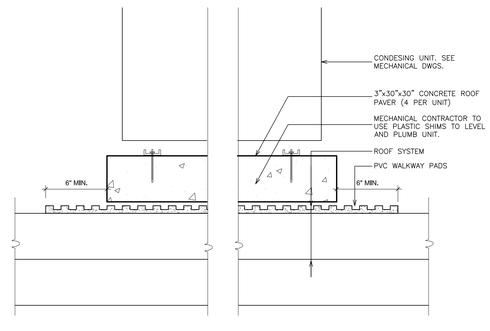


9 REVISED CAP FLASHING
SCALE: 6" = 1'-0"

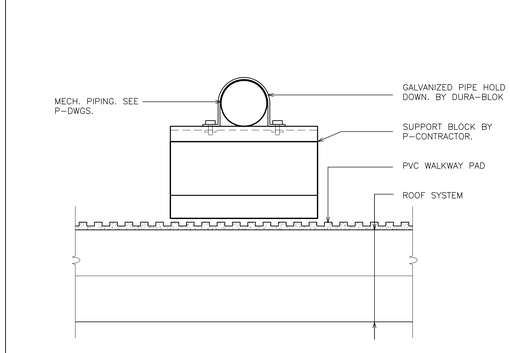


NOTES:
1. TERMINATION BAR MUST BE INSTALLED DIRECTLY TO WALL SURFACE.
2. INSTALL TERMINATION BAR VERTICALLY WHERE BASE FLASHING ENDS AND APPLY LAP SEALANT TO ALL SIDES OF BAR.
3. TERMINATION BAR MUST BE FASTENED 1" MAX. IN FROM END OF ALL SECTIONS.

10 DETAIL- TERMINATION BAR FLASHING TERMINATION
SCALE: 6" = 1'-0"



11 DETAIL- CONCRETE ROOF PAVER SUPPORT
SCALE: 3" = 1'-0"



12 PIPE SUPPORT
SCALE: 3" = 1'-0"

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
RENOVATION/ADDITION IN TERROR
CAFETORIUM ADDITION AND ALTERATIONS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

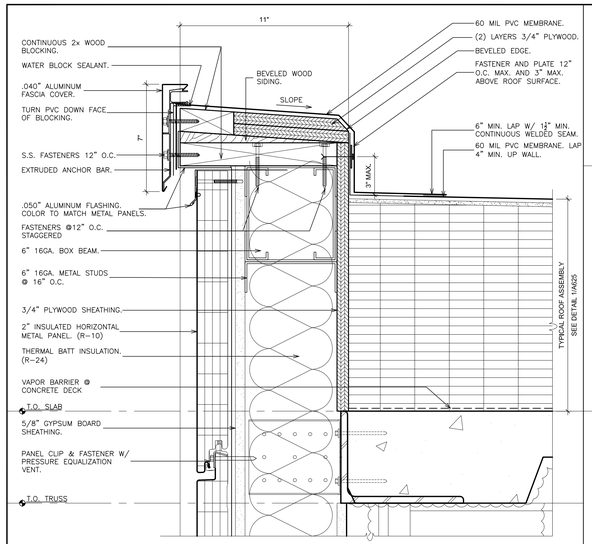
DRAWING TITLE
ROOF DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

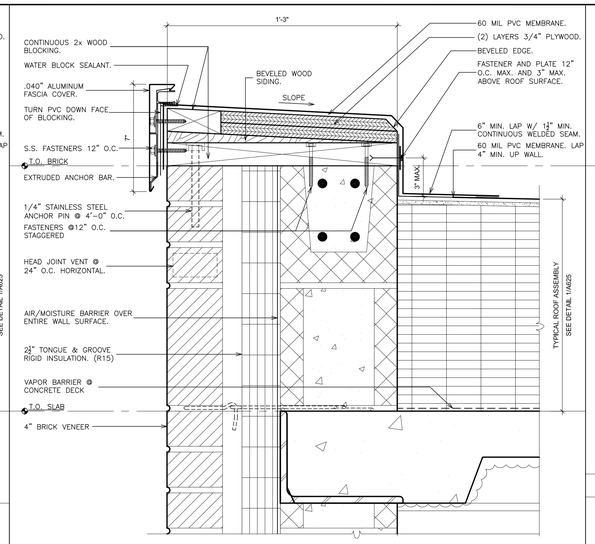
SHEET SIZE 30"x42"
DRAWING NO. CVS A625
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 11:06am

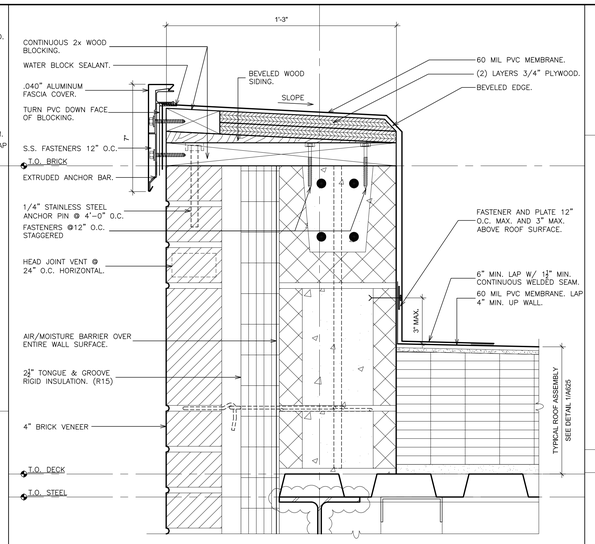
FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A625-A629.dwg



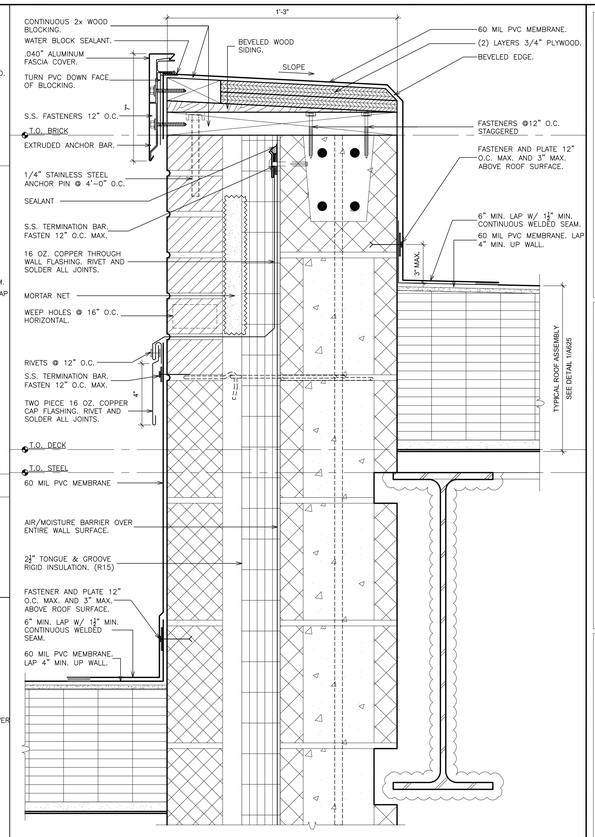
13 DETAIL - EAVE
SCALE: 3" = 1'-0"



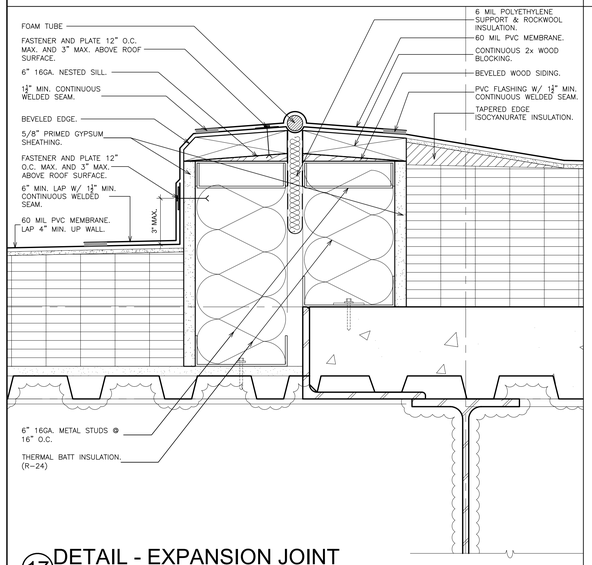
14 DETAIL - EAVE
SCALE: 3" = 1'-0"



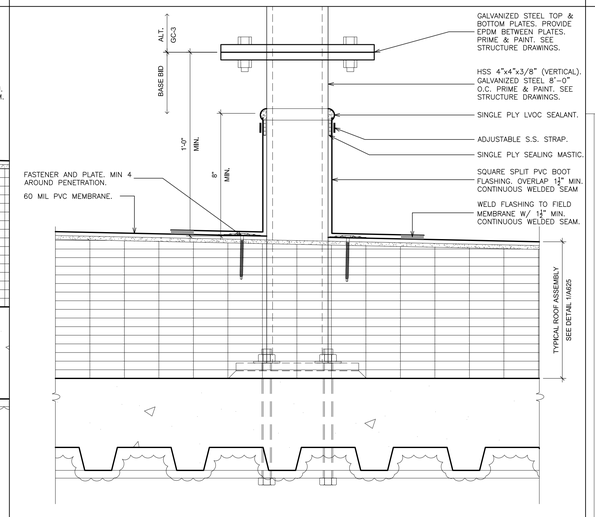
15 DETAIL - EAVE
SCALE: 3" = 1'-0"



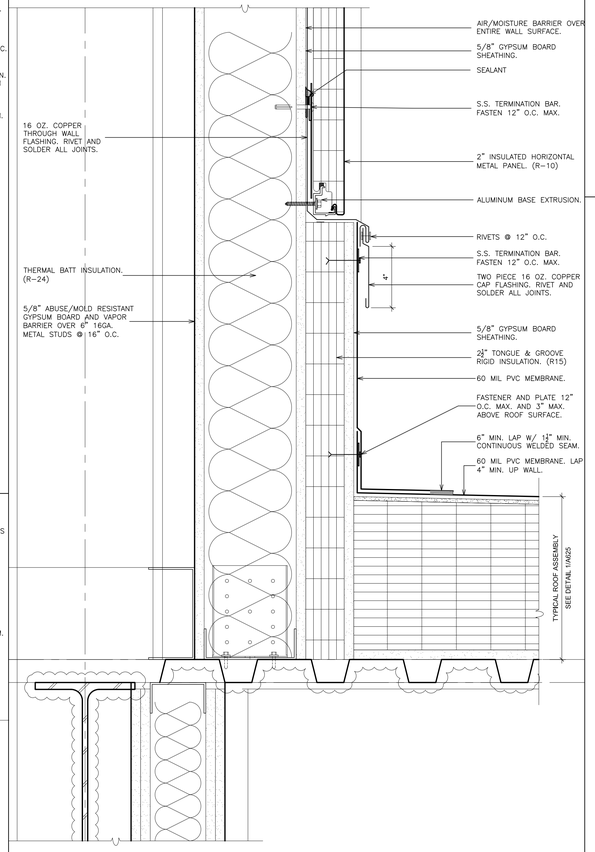
16 DETAIL -EAVE
SCALE: 3" = 1'-0"



17 DETAIL - EXPANSION JOINT
SCALE: 3" = 1'-0"

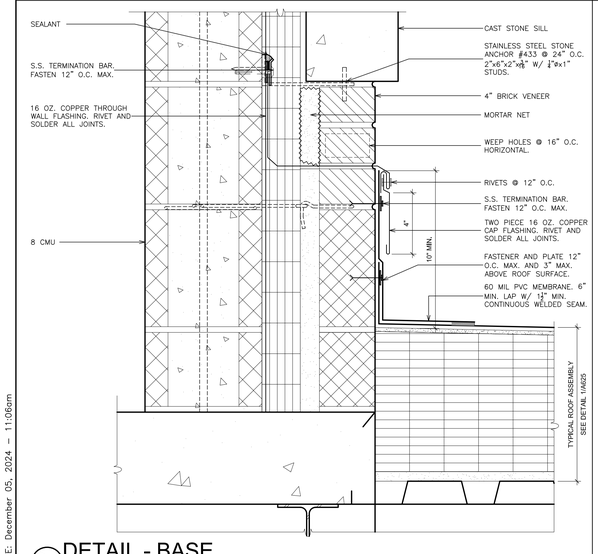


18 DETAIL - ROOF LOUVER BASE
SCALE: 3" = 1'-0"

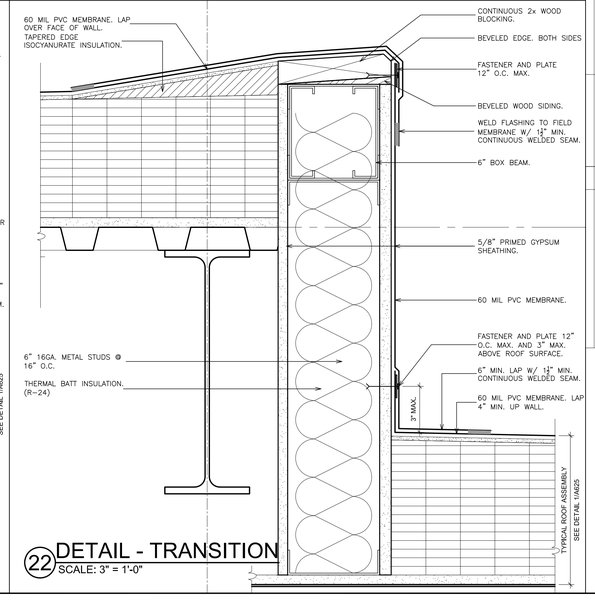


19 DETAIL - BASE
SCALE: 3" = 1'-0"

20 DETAIL - BASE
SCALE: 3" = 1'-0"



21 DETAIL - BASE
SCALE: 3" = 1'-0"



22 DETAIL - TRANSITION
SCALE: 3" = 1'-0"

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
CENTRAL SCHOOL DISTRICT
INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR
CONVERSION & ALTERATIONS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
ROOF DETAILS

12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE 30"x42"
DRAWING NO. CVS A626
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 11:06am

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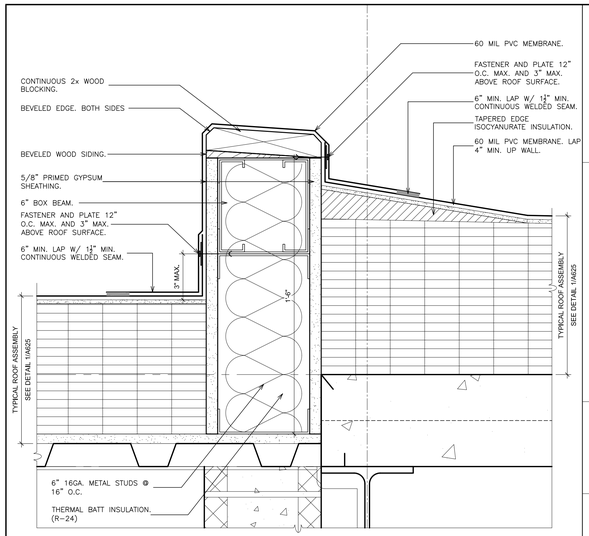
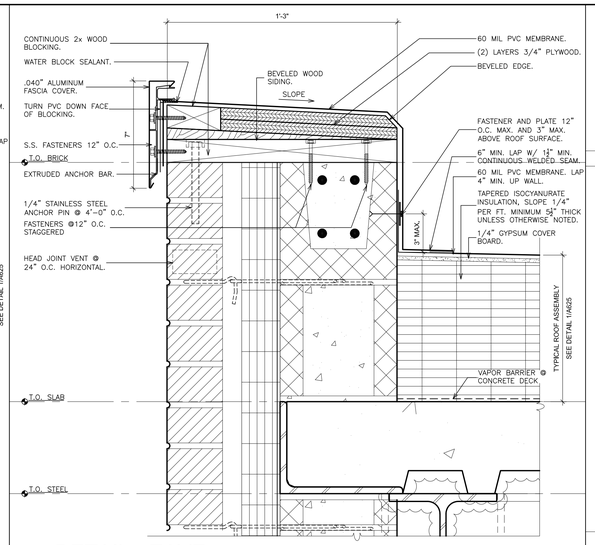
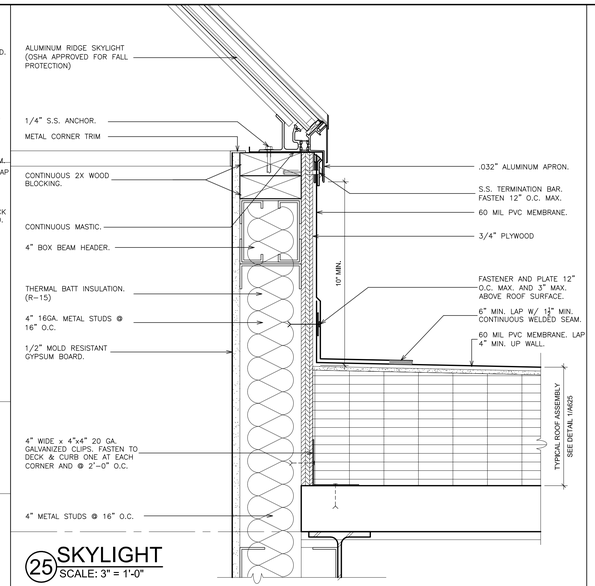


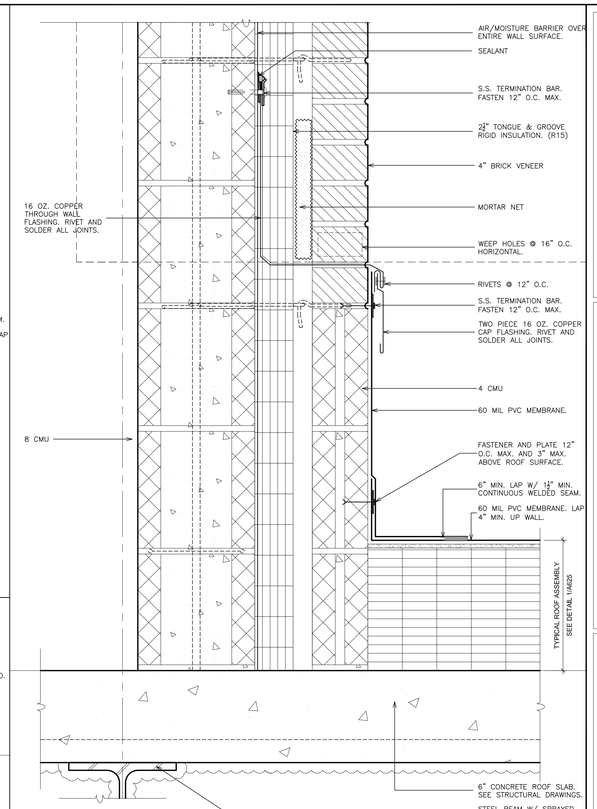
23 DETAIL - TRANSITION
SCALE: 3" = 1'-0"



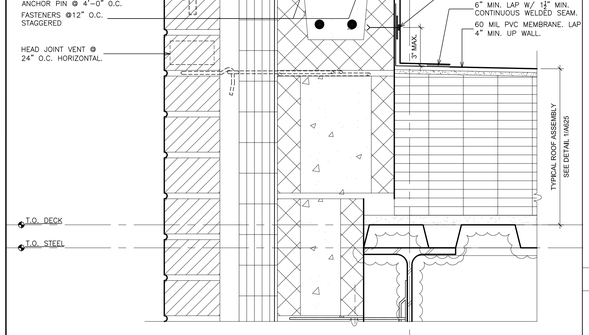
24 DETAIL - EAVE
SCALE: 3" = 1'-0"



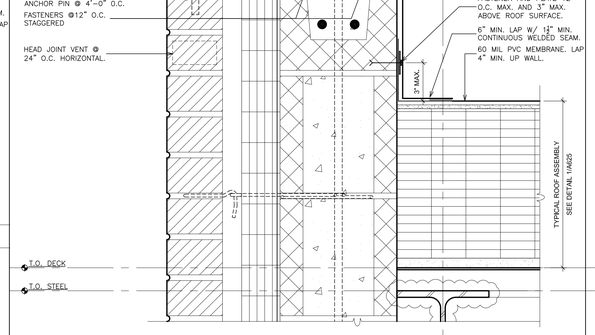
25 SKYLIGHT
SCALE: 3" = 1'-0"



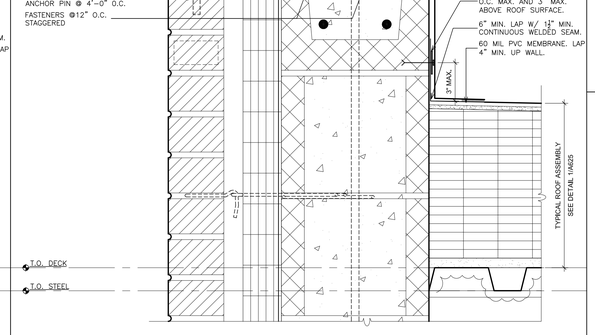
26 DETAIL - BASE
SCALE: 3" = 1'-0"



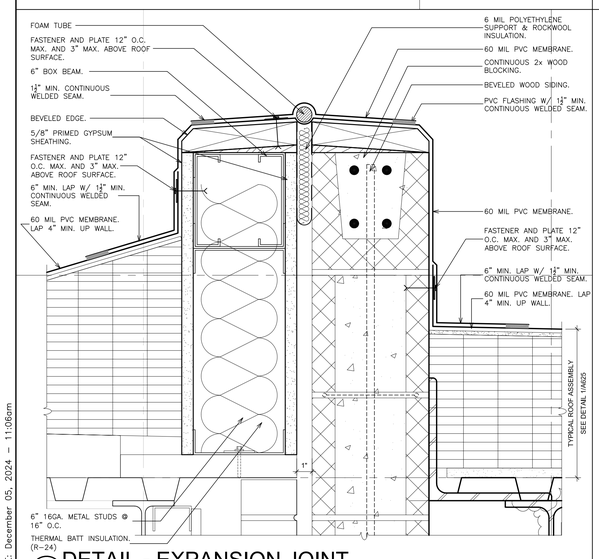
27 DETAIL - EAVE
SCALE: 3" = 1'-0"



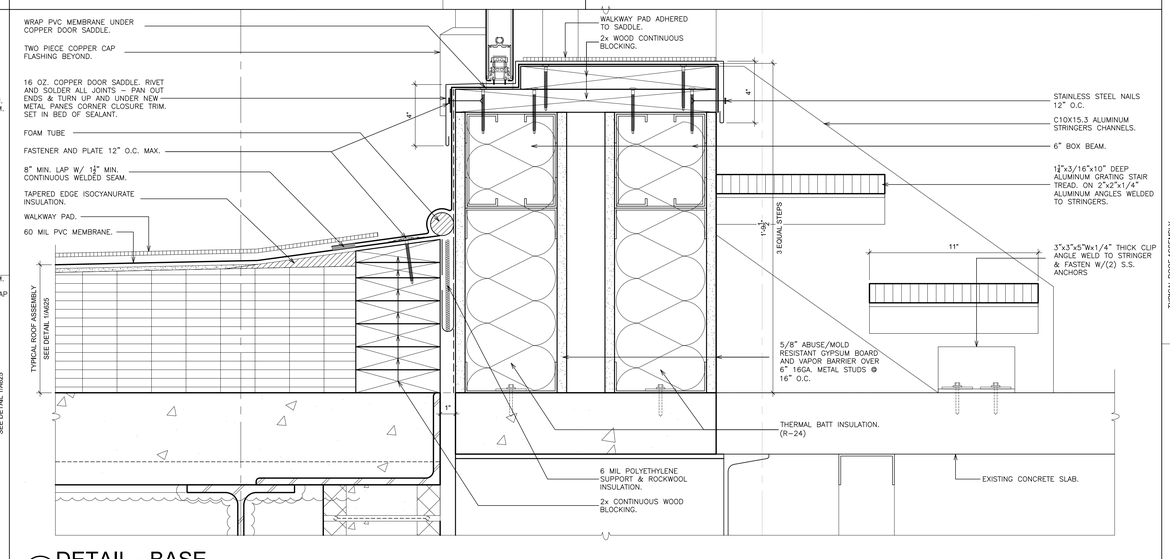
28 DETAIL - EAVE
SCALE: 3" = 1'-0"



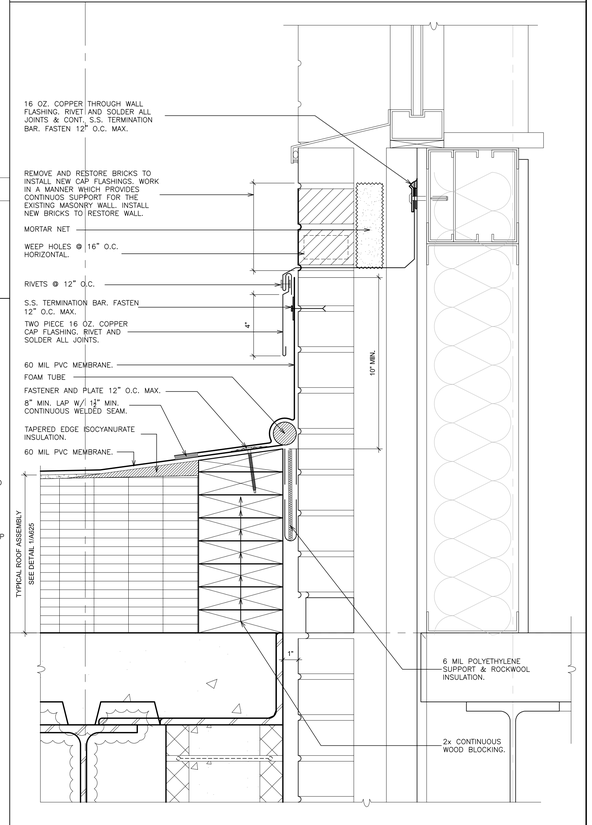
29 DETAIL - EAVE
SCALE: 3" = 1'-0"



30 DETAIL - EXPANSION JOINT
SCALE: 3" = 1'-0"



31 DETAIL - BASE
SCALE: 3" = 1'-0"



32 DETAIL - BASE
SCALE: 3" = 1'-0"

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

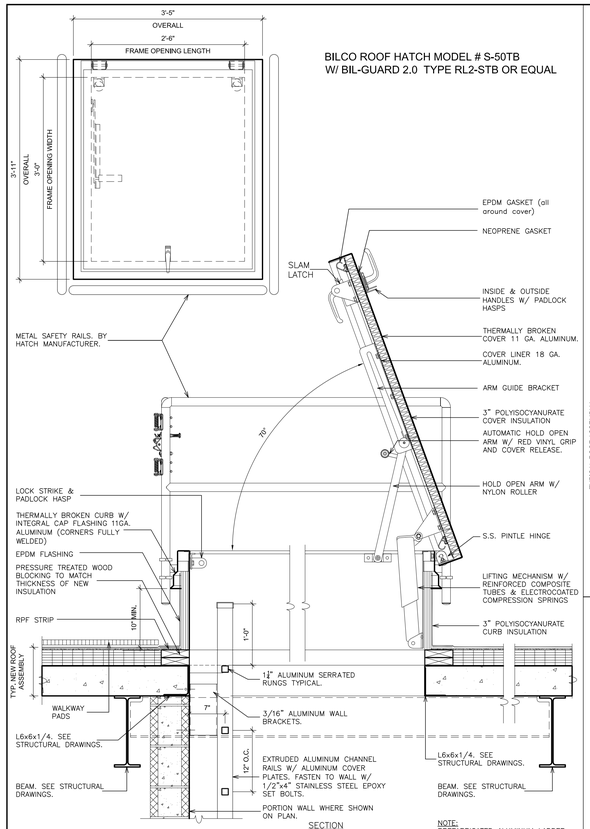
DRAWING TITLE
ROOF DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

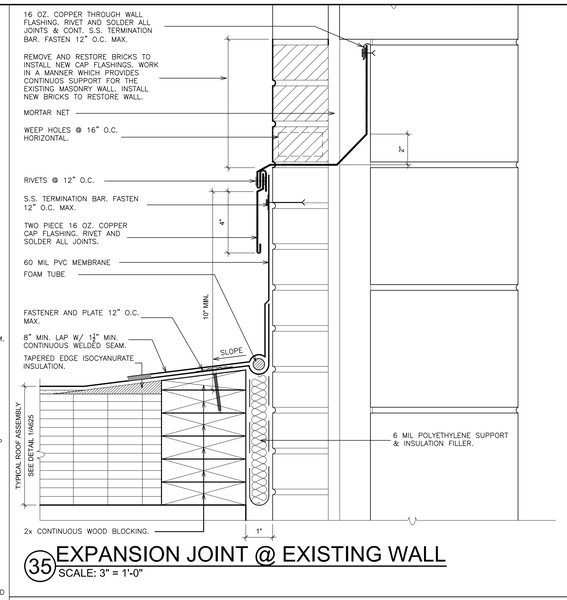
SHEET SIZE 30"x42"
DRAWING NO. CVS A627
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 11:06am

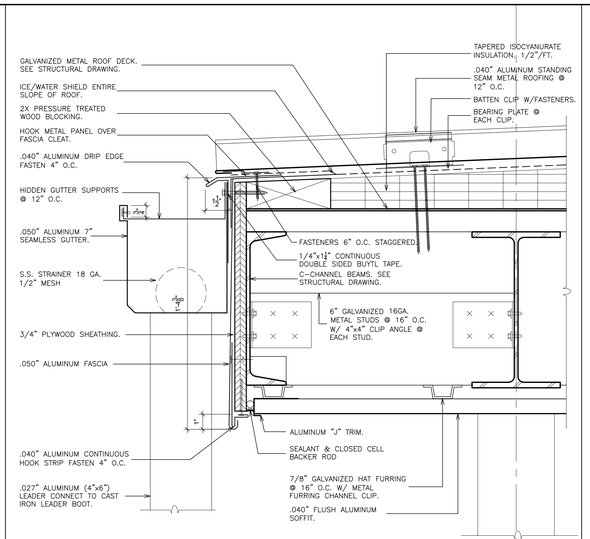
FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A625-A629.dwg



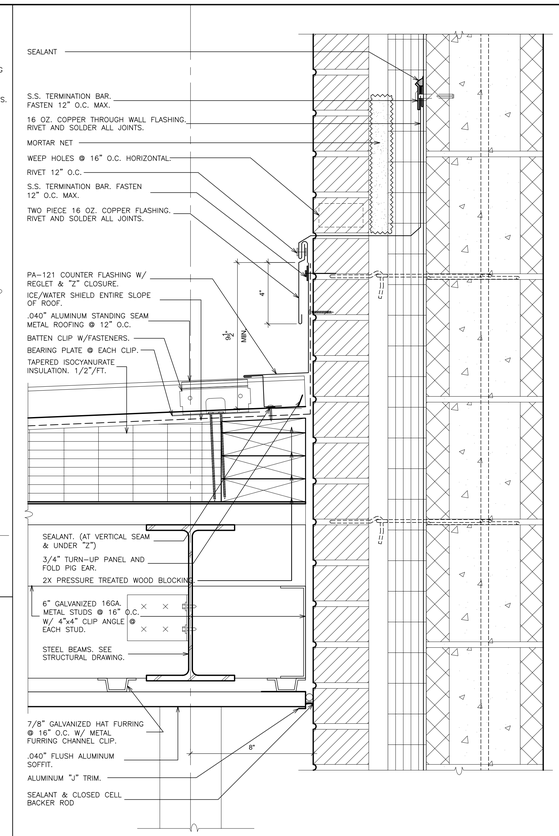
33 DETAIL- ROOF HATCH
SCALE: 1" = 1'-0"



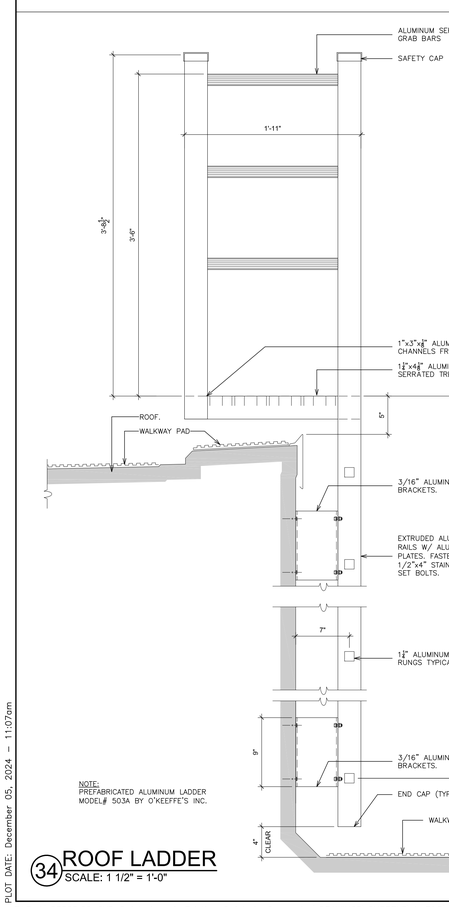
35 EXPANSION JOINT @ EXISTING WALL
SCALE: 3" = 1'-0"



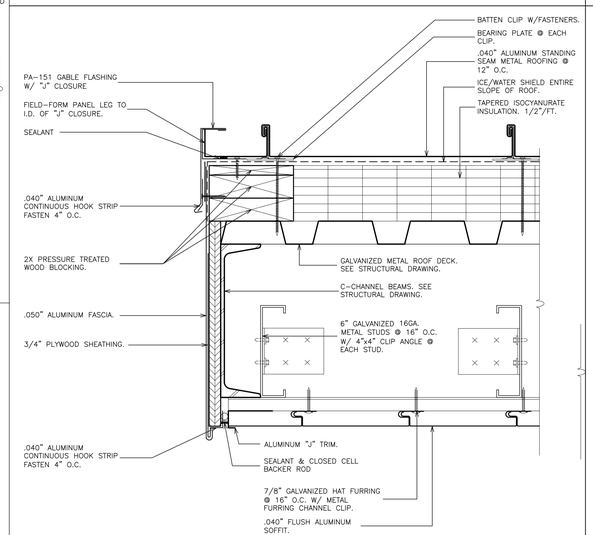
36 DETAIL- GUTTER
SCALE: 3" = 1'-0"



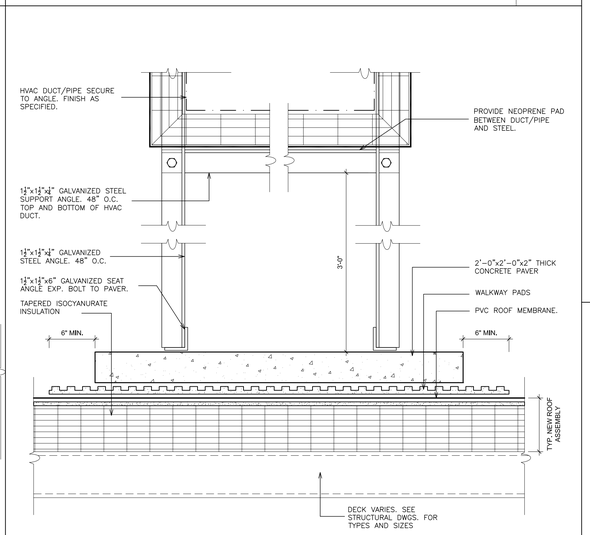
37 DETAIL - BASE
SCALE: 3" = 1'-0"



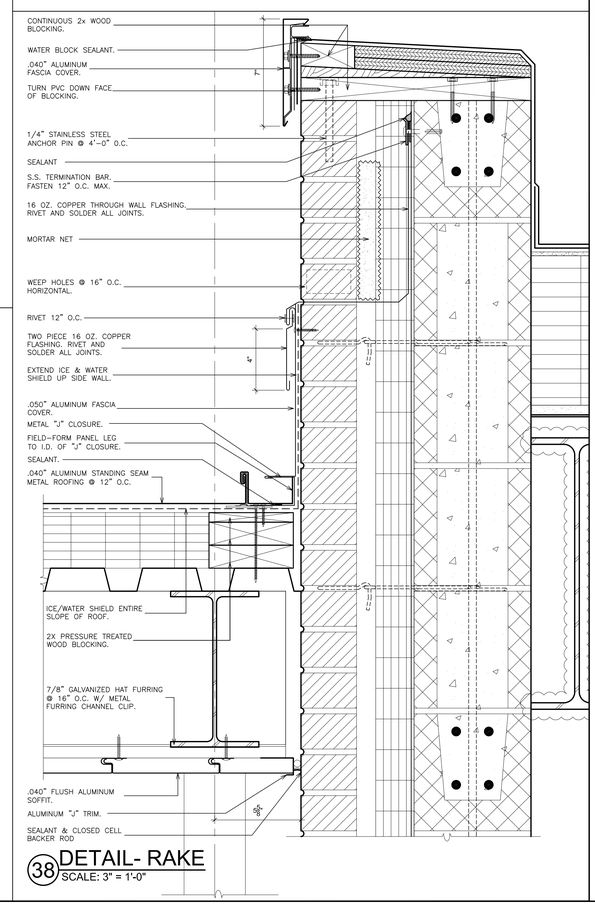
34 ROOF LADDER
SCALE: 1 1/2" = 1'-0"



39 DETAIL- RAKE
SCALE: 3" = 1'-0"



40 DUCT SUPPORT
SCALE: 3" = 1'-0"



38 DETAIL- RAKE
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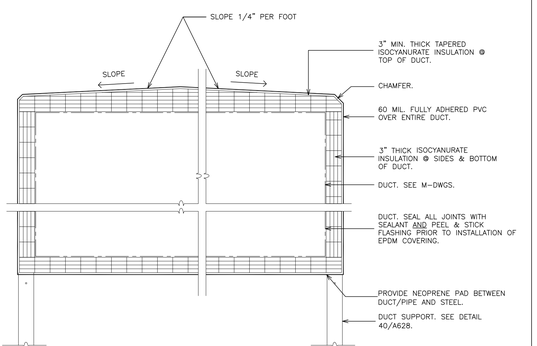
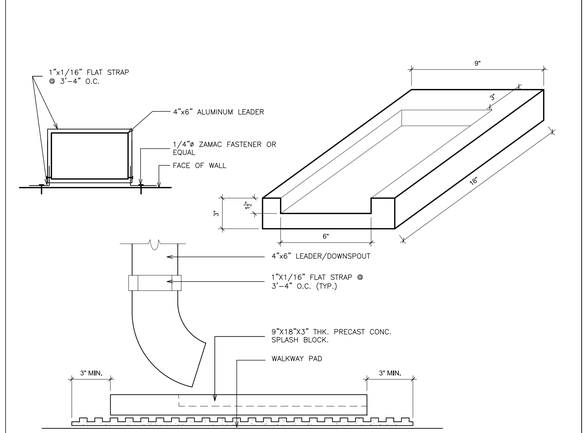


41 DUCT INSULATION
SCALE: 1 1/2" = 1'-0"



42 DETAIL- LEADER & SPLASH BLOCK
SCALE: 3" = 1'-0"

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

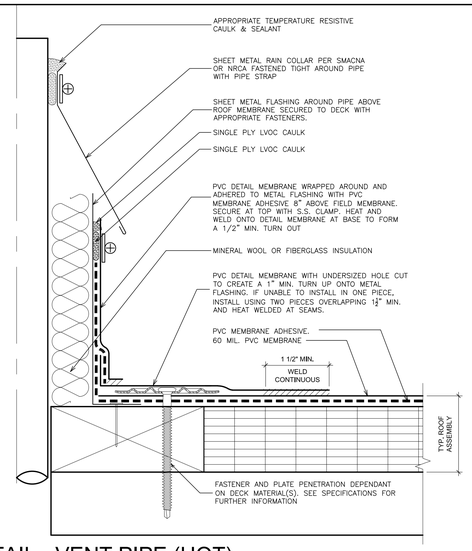
DRAWING TITLE
ROOF DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

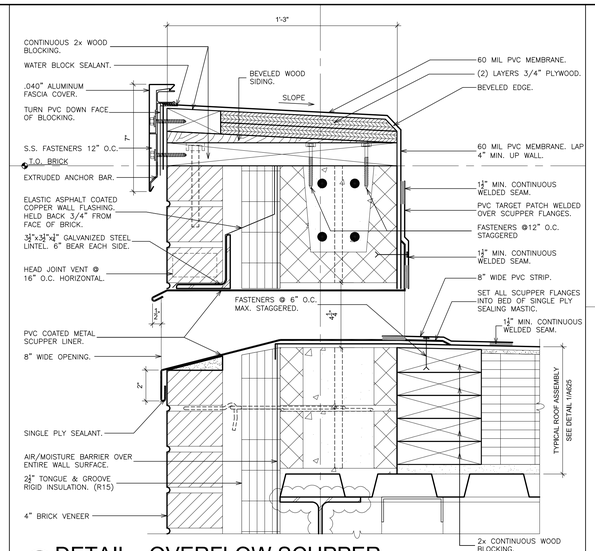
SHEET SIZE 30"x42"
DRAWING NO. CVS A628
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 — 11:07am

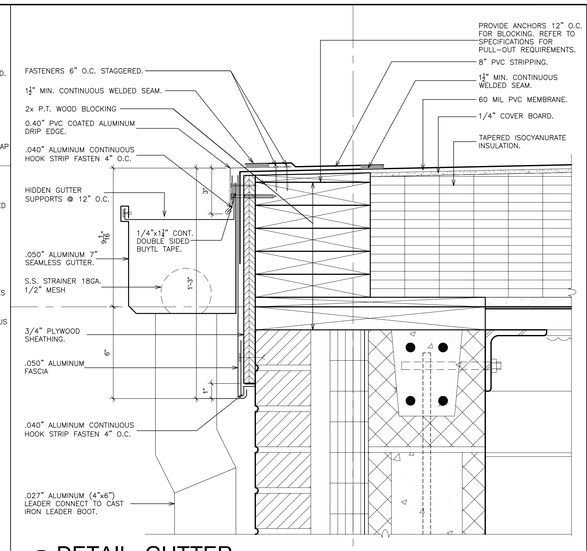
FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A625-A629.dwg



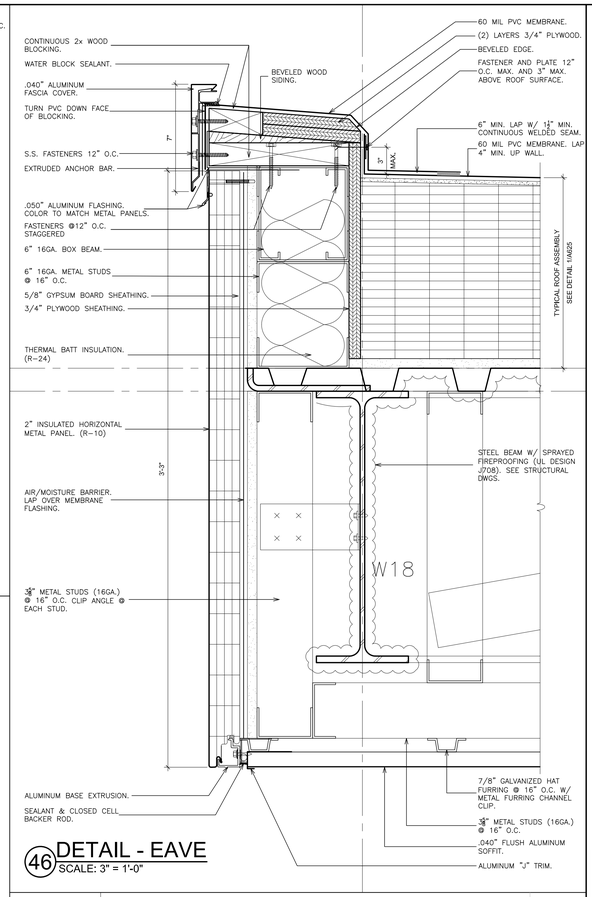
43 DETAIL - VENT PIPE (HOT)
SCALE: N.T.S.



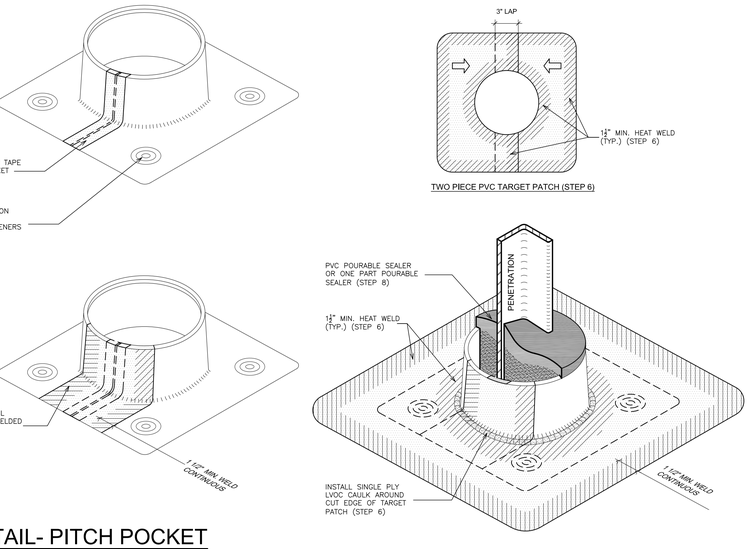
44 DETAIL - OVERFLOW SCUPPER
SCALE: 3" = 1'-0"



45 DETAIL- GUTTER
SCALE: 3" = 1'-0"



46 DETAIL - EAVE
SCALE: 3" = 1'-0"

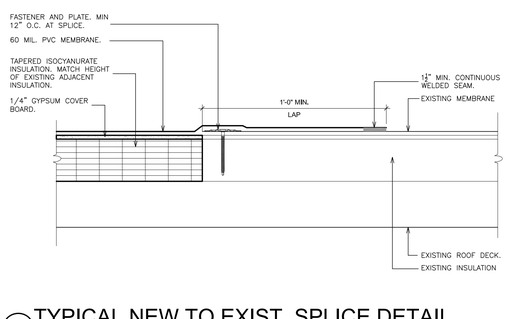


47 DETAIL- PITCH POCKET
SCALE: N.T.S.

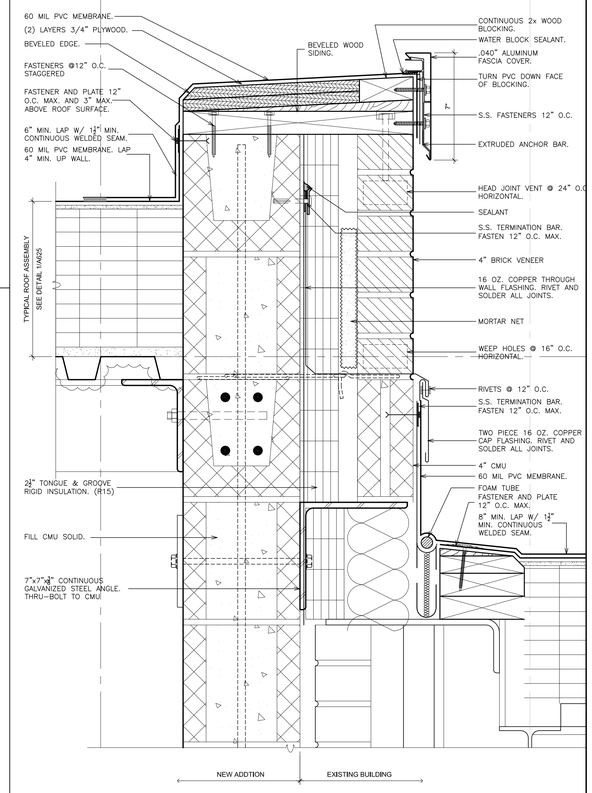
INSTALLATION NOTES:

1. USING A WIRE BRUSH OR GRINDER, CLEAN PENETRATION DOWN TO BARE METAL FROM JUST BELOW THE MEMBRANE SURFACE TO JUST ABOVE THE TOP OF THE PVC PENETRATION PAN TO ALLOW GOOD ADHESION BETWEEN THE PENETRATION AND THE EPDM/PVC POURABLE SEALER.
2. RADIUS ALL CORNERS OF THE PVC PENETRATION PAN. IT IS RECOMMENDED TO CLEAN THE INSIDE OF THE PVC PENETRATION PAN WITH SINGLE PLY MEMBRANE CLEANER (LVOC). PLACE THE PVC PENETRATION PAN AROUND THE PENETRATION, NESTING THE SPLICED SECTION OF THE POCKET TOGETHER.
3. FASTEN THE PVC PENETRATION PAN TO THE ROOF DECK USING FOUR APPROPRIATE FASTENERS AND PLATES.
4. INSTALL 2" WIDE ALUMINUM TAPE CENTERED OVER THE ENTIRE SPLICE AND TURN DOWN INSIDE THE PAN.
5. HEAT WELD A 6" WIDE PIECE OF PVC DETAIL MEMBRANE, MIN. 1½" WIDE WELD, CENTERED OVER THE PVC PENETRATION PAN SPLICE THE FULL LENGTH OF THE SPLICE, AND TURN DOWN 1" INTO THE PAN AND WELD INSIDE TO THE INTERIOR WALL OF THE PAN.
6. CUT A 18"x18" TARGET PATCH OF PVC MEMBRANE AND RADIUS ALL CORNERS. CUT A HOLE IN THE CENTER OF THE TARGET PATCH 1/2" LARGER THAN THE BOTTOM DIAMETER OF THE PVC PENETRATION PAN. HEAT WELD THE TARGET PATCH AROUND THE ENTIRE OPENING TO THE PVC PENETRATION PAN, AND THE OUTER EDGES OF THE PATCH TO THE FIELD MEMBRANE WITH MIN. 1½" WELD. INSTALL A BEAD OF SINGLE PLY LVOC CAULK AROUND THE ENTIRE HOLE CUT EDGE OF THE PVC TARGET PATCH. FOR A PENETRATION THAT IS OBSTRUCTED FROM ABOVE PREVENTING A ONE PIECE TARGET PATCH INSTALLATION, CUT A 18"x24" PVC TARGET PATCH, CUT IN HALF AND OVERLAP THE EDGES BY 3" AND HEAT WELD AS STATED ABOVE, AND THE CUT EDGE LAPS MIN. 1½" WELD.
7. USING A SEAM PROBE, CHECK ALL WELDS FOR VOIDS AND MAKE NECESSARY REPAIRS.
8. WRAP ALUMINUM TAPE AROUND THE TOP OF THE PVC PENETRATION PAN WITH 1" STICKING UP ABOVE THE TOP OF THE POCKET. FILL THE POCKET ABOVE THE TOP WITH EPDM/PVC POURABLE SEALER OR ONE PART POURABLE SEALER, MOUNDING TO PROHIBIT PONDING WATER. USE AN ADEQUATE AMOUNT OF SEALANT TO ENSURE PROPER CONTACT IS MADE WITH THE TOP RIM OF THE PAN.
9. POURABLE SEALER IS TO BE MAINTAINED BY THE OWNER.

NOTE: EXISTING ROOF IS UNDER WARRANTY.



48 TYPICAL NEW TO EXIST. SPLICE DETAIL
SCALE: 3" = 1'-0"



49 DETAIL - BASE
SCALE: 3" = 1'-0"

50 NOT USED
SCALE: N.T.S.

51 NOT USED
SCALE: N.T.S.

52 NOT USED
SCALE: N.T.S.

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETERIA ADDITION & INTERIOR RENOVATIONS & EXISTING CAFETERIA
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
ROOF DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A629
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 11:07am

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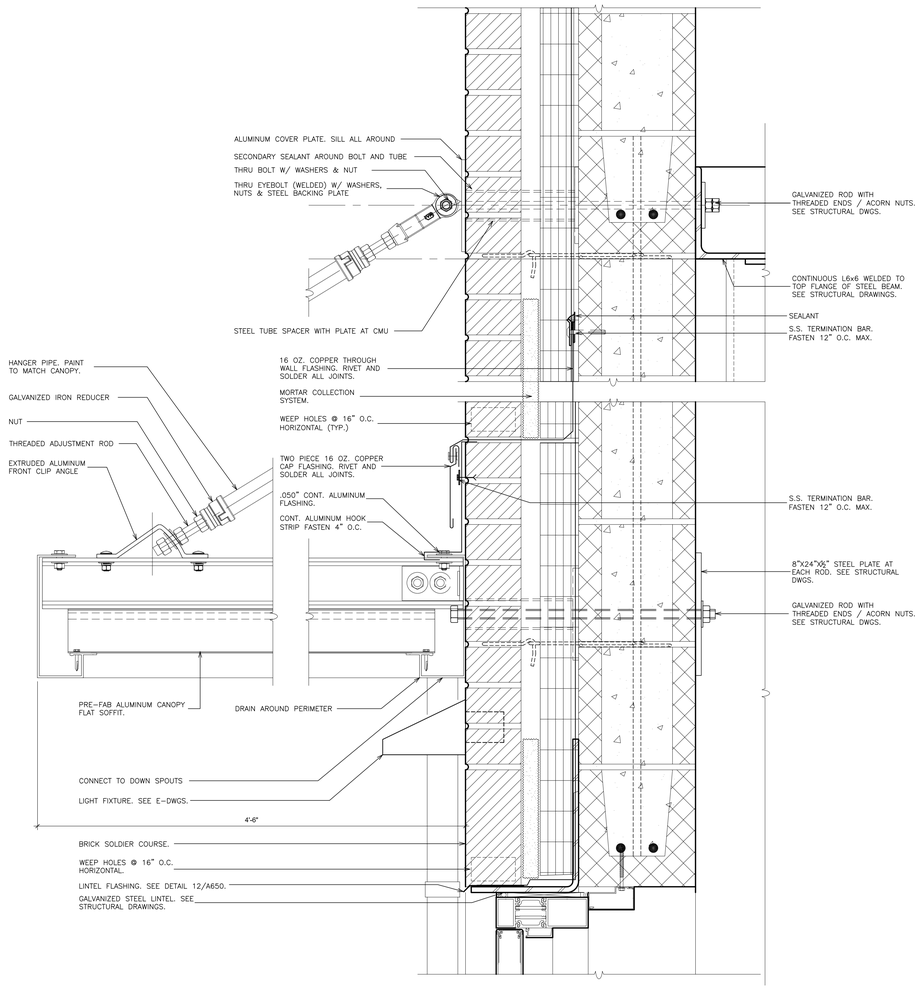
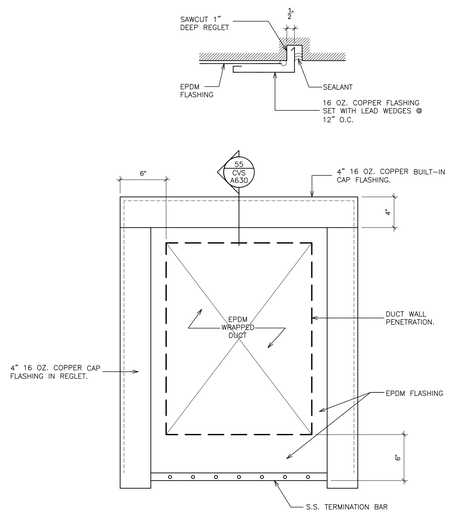
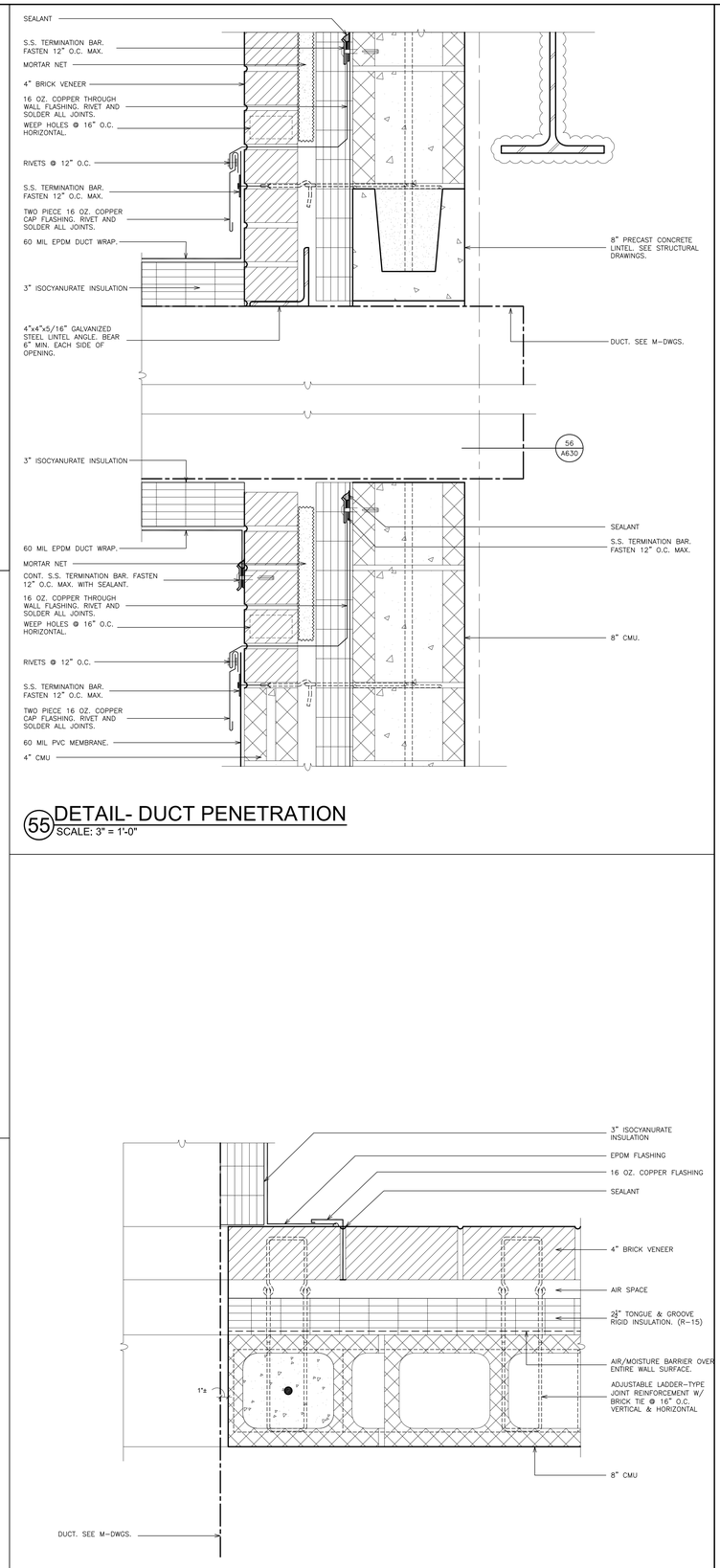


53 PREMANUFACTURED CANOPY
SCALE: 3" = 1'-0"



54 ELEVATION
SCALE: 1 1/2"= 1'-0"



55 DETAIL- DUCT PENETRATION
SCALE: 3" = 1'-0"

56 DETAIL- DUCT PENETRATION
SCALE: 3" = 1'-0"

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11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A630
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 11:07am

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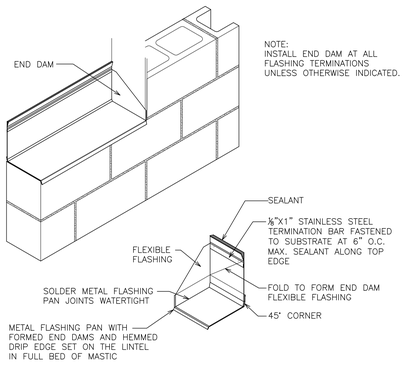
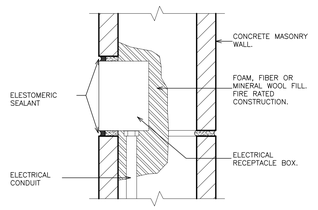
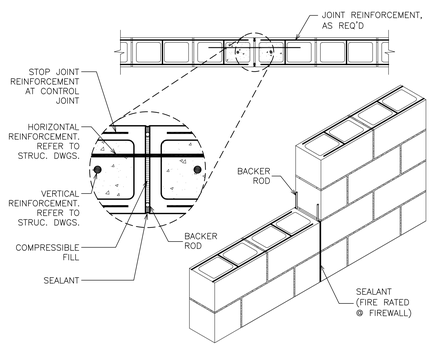


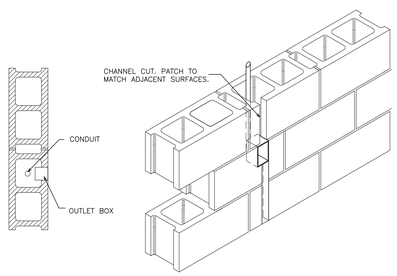
1 DETAIL- METAL FLASHING END DAM
SCALE: N.T.S



2 DETAIL- UTILITY BOX PENETRATION
SCALE: N.T.S.

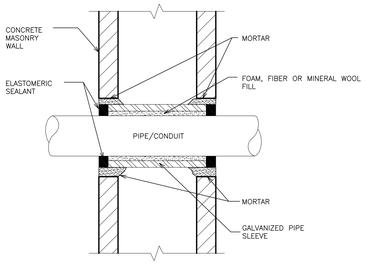


3 DETAIL- MOVEMENT JOINT REINFORCEMENT TYPICAL
SCALE: N.T.S SEE STRUCTURAL DRAWING FOR FURTHER INFORMATION.



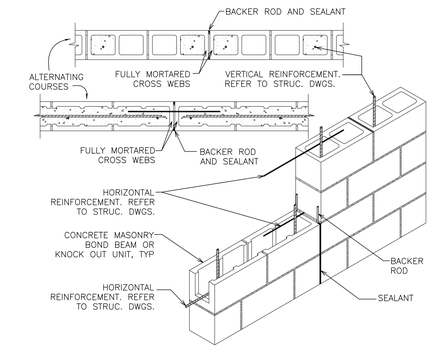
4 UTILITY BOXES
SCALE: N.T.S.

NOTE: STAGGER OUTLET BOXES ON EA. SIDE OF WALL



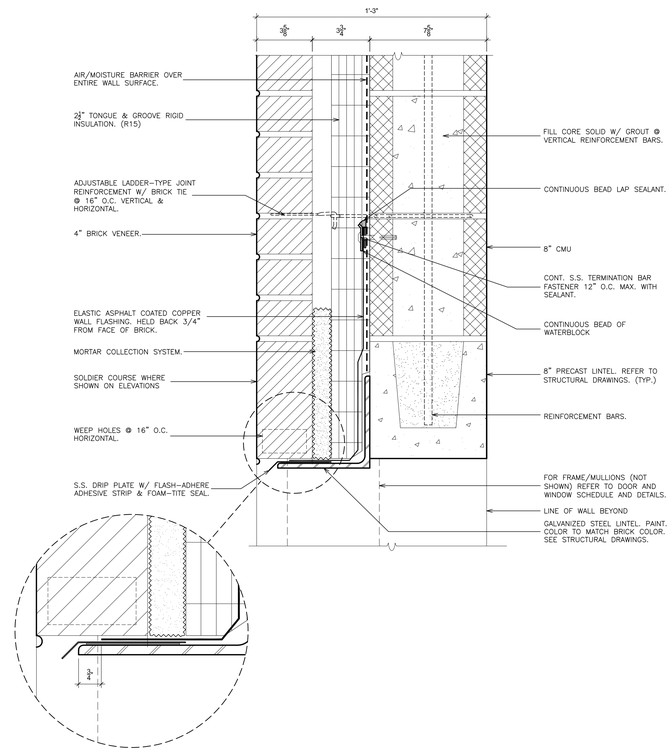
NOTE: AT FIRE RATED CONSTRUCTION, SEALANT & FILL MATERIAL SHALL HAVE A FIRE RATING EQUAL TO OR GREATER THAN CONSTRUCTION BEING PENETRATED

5 DETAIL- WALL PENETRATION
SCALE: N.T.S

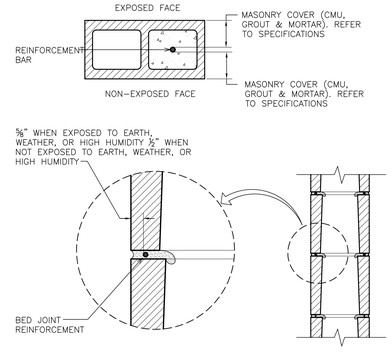


6 DETAIL- CONTROL JOINT REINFORCEMENT - BOND BEAM
SCALE: N.T.S

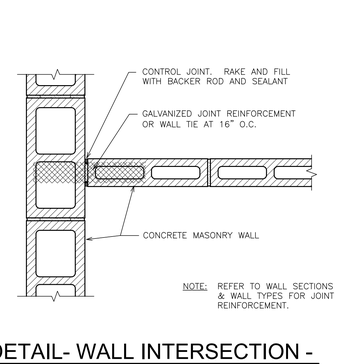
SEE STRUCTURAL DRAWING FOR FURTHER INFORMATION.



12 DETAIL- LINTEL FLASHING
SCALE: 3" = 1'-0"

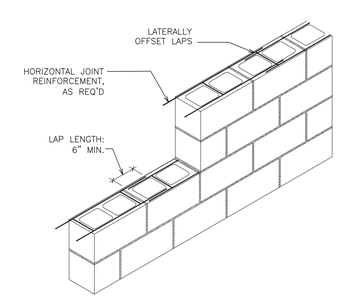


7 DETAIL- PROTECTION OF REINF.
SCALE: N.T.S



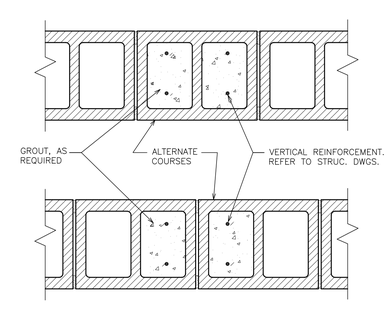
NOTE: REFER TO WALL SECTIONS & WALL TYPES FOR JOINT REINFORCEMENT.

8 DETAIL- WALL INTERSECTION - INTERIOR NON-LOAD BEARING WALL
SCALE: N.T.S

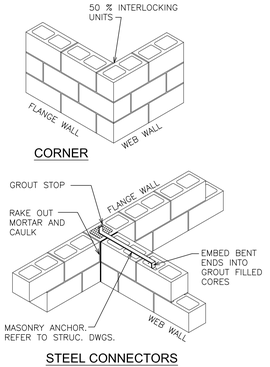


9 DETAIL- SPLICING JOINT REINF.
SCALE: N.T.S

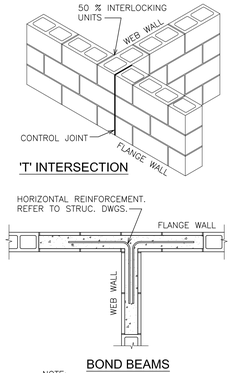
SEE STRUCTURAL DRAWING FOR FURTHER INFORMATION.



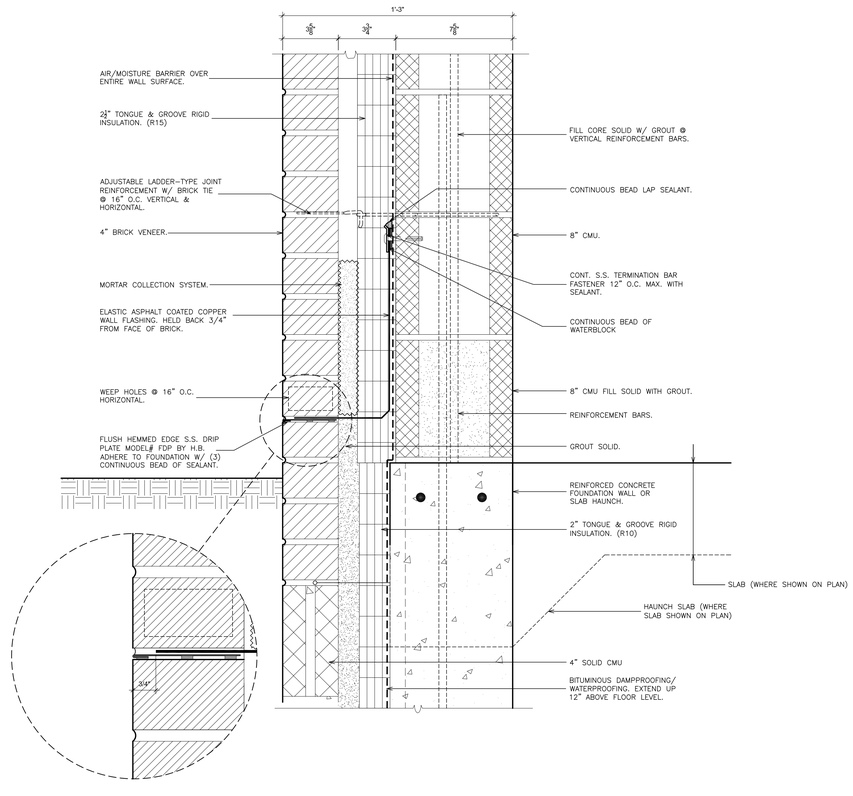
NOTE: REFER TO WALL SECTIONS & WALL TYPES FOR JOINT REINFORCEMENT.



11 DETAIL- INTERSECTING WALLS
SCALE: N.T.S



NOTE:
1. REFER TO WALL SECTIONS & WALL TYPES FOR JOINT REINFORCEMENT.
2. SEE STRUCTURAL DRAWING FOR FURTHER INFORMATION.



13 DETAIL- BASE WALL FLASHING
SCALE: 3" = 1'-0"

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION INTERIOR
RENOVATIONS & EXTERIOR WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

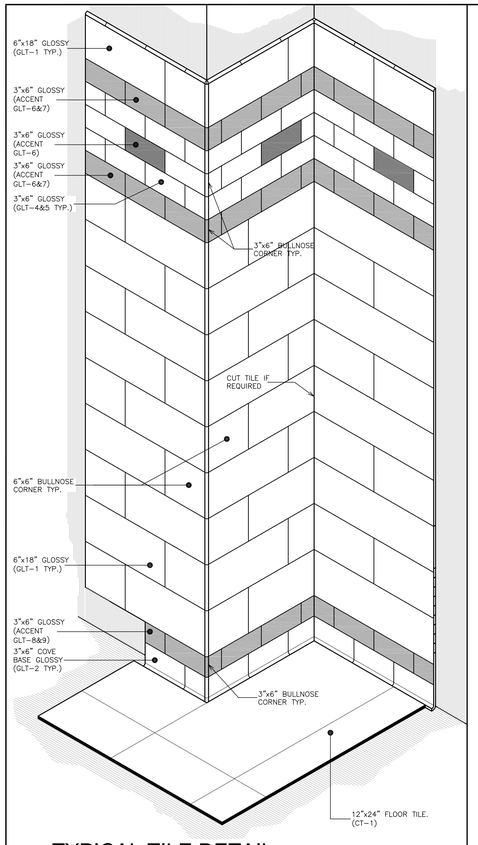
DRAWING TITLE
MISCELLANEOUS MASONRY DETAILS

12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION
DATE	ISSUED TO

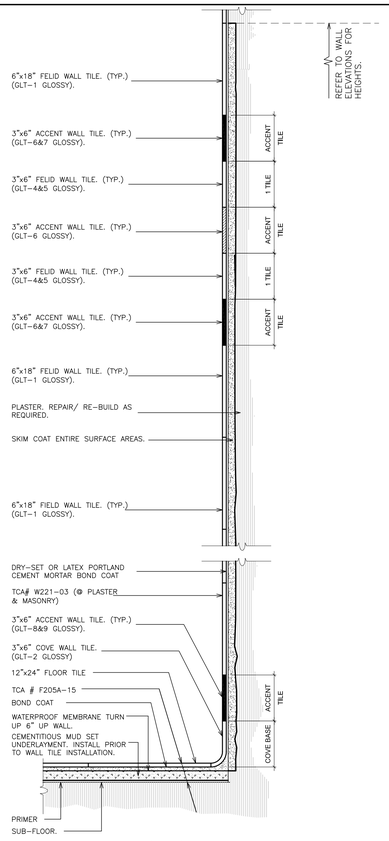
SHEET SIZE 30"x42"
DRAWING NO. CVS A650
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 11:09am

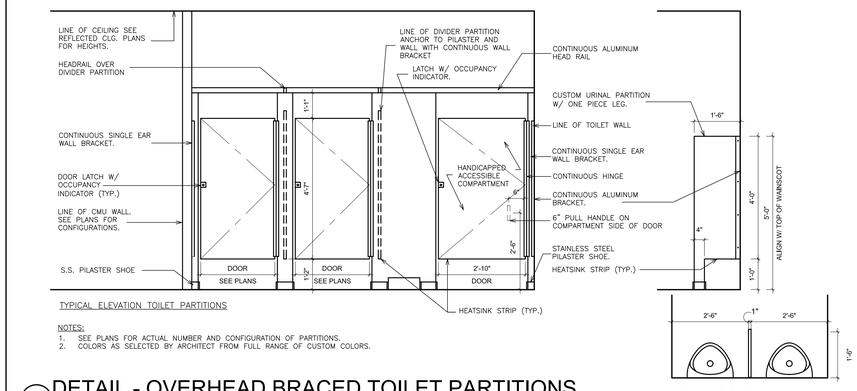
FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A650.dwg



1 TYPICAL TILE DETAIL
SCALE: N.T.S.



2 TILE DETAIL SECTION
NOT TO SCALE

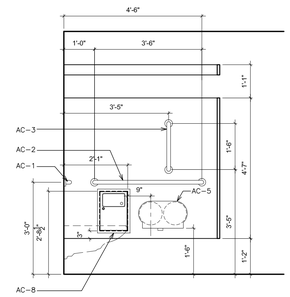


TYPICAL ELEVATION TOILET PARTITIONS

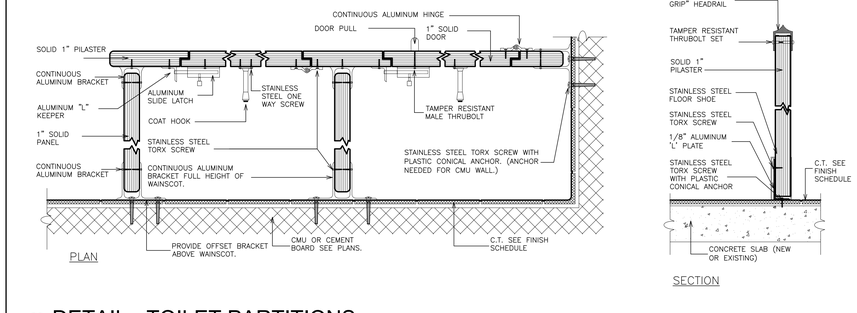
NOTES:
1. SEE PLANS FOR ACTUAL NUMBER AND CONFIGURATION OF PARTITIONS.
2. COLORS AS SELECTED BY ARCHITECT FROM FULL RANGE OF CUSTOM COLORS.

TYPICAL ELEVATION AND PLAN CUSTOM URINAL PARTITION
SCALE: 1/2" = 1'-0"

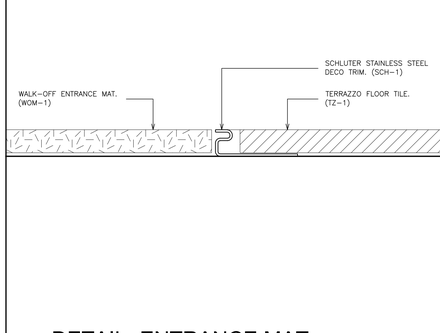
3 DETAIL - OVERHEAD BRACED TOILET PARTITIONS
SCALE: 1/2" = 1'-0"



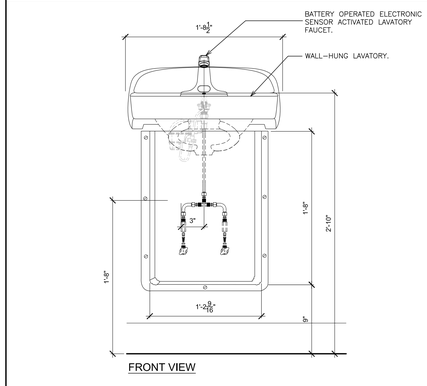
5 DETAIL - ACCESSORIES LOCATIONS
SCALE: 1/2" = 1'-0"

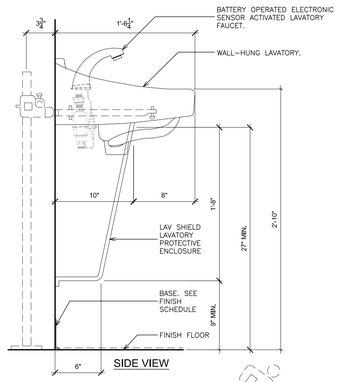


4 DETAIL - TOILET PARTITIONS
SCALE: 3" = 1'-0"

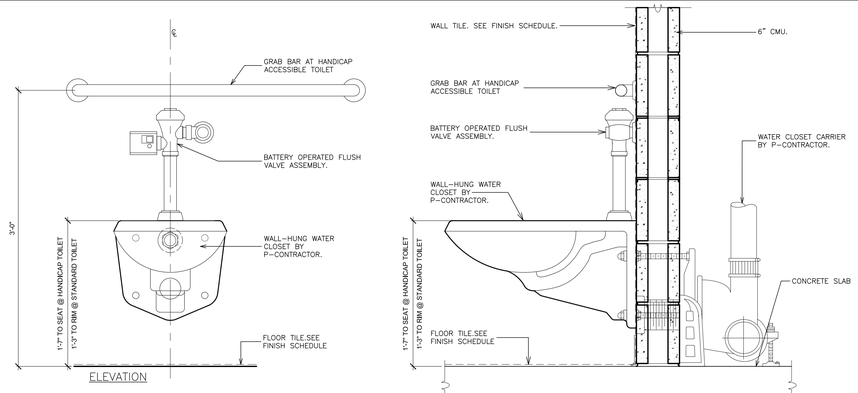


6 DETAIL- ENTRANCE MAT
SCALE: 1" = 1'-0"

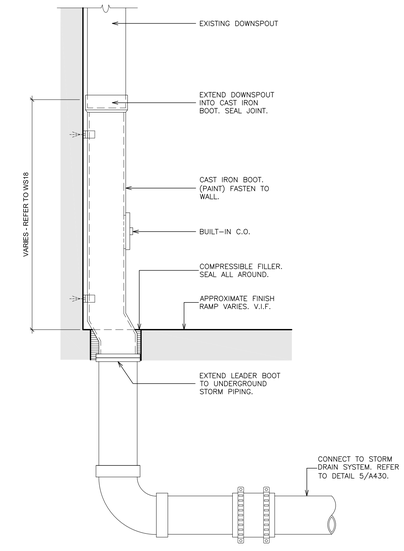


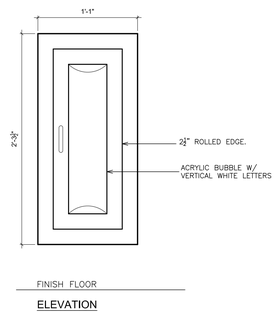


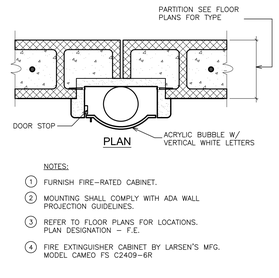
7 DETAIL- HANDICAP ACCESSIBLE VANITY
SCALE: 1 1/2" = 1'-0"



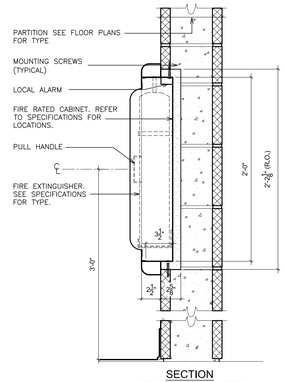
8 DETAIL- WATER CLOSET
SCALE: 1 1/2" = 1'-0"



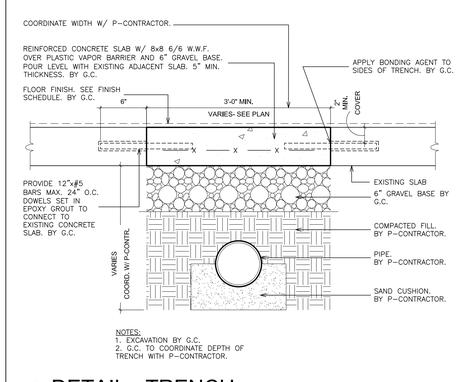




NOTES:
1. FURNISH FIRE-RATED CABINET.
2. MOUNTING SHALL COMPLY WITH ADA WALL PROJECTION GUIDELINES.
3. REFER TO FLOOR PLANS FOR LOCATIONS. PLAN DESIGNATION - F.E.
4. FIRE EXTINGUISHER CABINET BY LARSEN'S MFG. MODEL CAMEO FS C2409-6R



9 DETAIL - SEMI-RECESSED FIRE EXTINGUISHER CABINET
SCALE: 1 1/2" = 1'-0"



NOTES:
1. EXCAVATION BY G.C.
2. G.C. TO COORDINATE DEPTH OF TRENCH WITH P-CONTRACTOR.

10 DETAIL - TRENCH
SCALE: 1 1/2" = 1'-0"

11 LEADER COLLECTOR
SCALE: N.T.S.

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S.E.D. CONTROL NUMBER:
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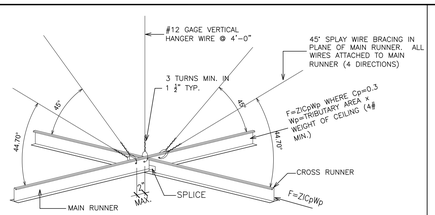
DRAWING TITLE
MISCELLANEOUS DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

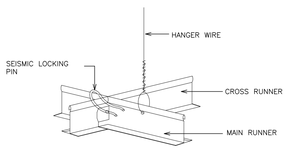
SHEET SIZE 30"x42"
DRAWING NO. CVS A651
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 11:10am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A651.dwg

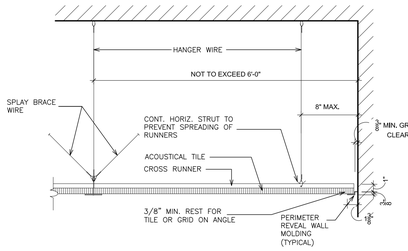


TYPICAL CEILING BRACING DETAIL

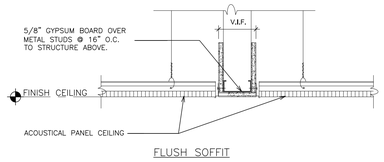


SPLICES AND INTERSECTIONS OF RUNNERS SHALL BE ATTACHED WITH MECHANICAL INTERLOCKING CONNECTORS SUCH AS POP RIVETS, SCREWS, PINS, PLATES WITH BENT TABS, OR OTHER APPROVED CONNECTORS. DESIGN CONNECTORS FOR 2x DESIGN LOAD OR ULTIMATE AXIAL TENSION OR COMPRESSION (MINIMUM 60 POUNDS)

LOCKING PIN DETAIL

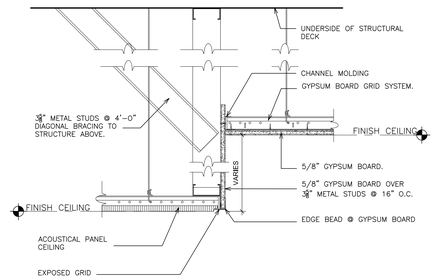


1 DETAIL - SEISMIC DETAIL @ ALL NEW SUSP. CEILINGS
SCALE: N.T.S.

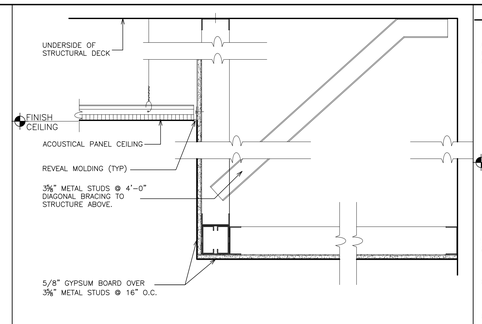


FLUSH SOFFIT

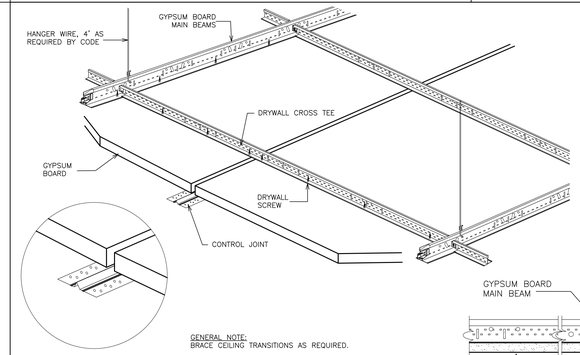
2 DETAIL - GRID TRANSITION SOFFIT
SCALE: 1 1/2" = 1'-0"



3 DETAIL - ACOUSTICAL CEILING TO DRYWALL SOFFIT
SCALE: 1 1/2" = 1'-0"

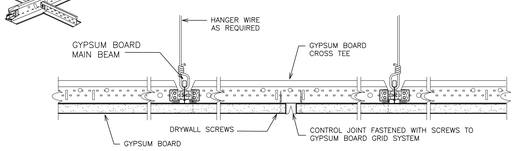


4 DETAIL - TRANSITION SOFFIT AND ACOUSTICAL CEILINGS
SCALE: 1 1/2" = 1'-0"

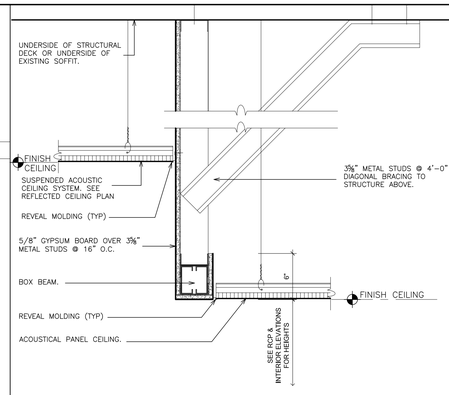


GENERAL NOTE:
BRACE CEILING TRANSITIONS AS REQUIRED.

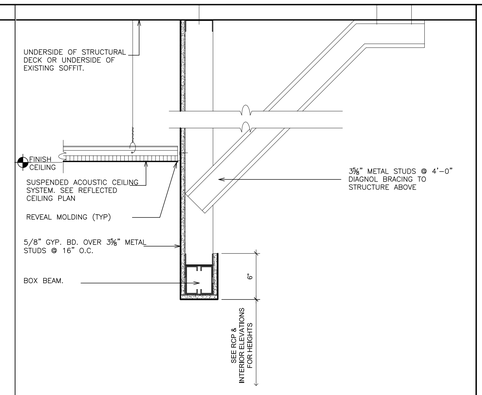
5 DETAIL - CONTROL JOINT FOR DRYWALL CEILING SYSTEM
SCALE: 3" = 1'-0"



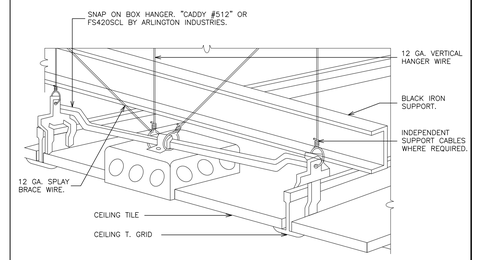
5a SECTION- DRYWALL CONTROL JOINT
SCALE: 3" = 1'-0"



6 DETAIL - DROPPED SOFFIT
SCALE: 1 1/2" = 1'-0"



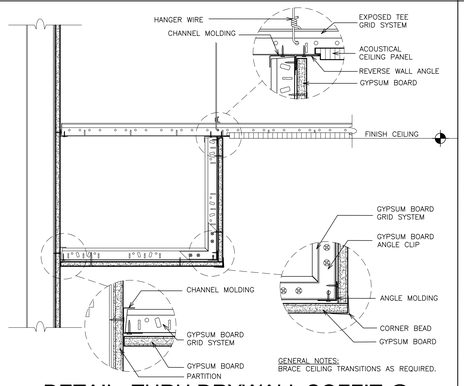
7 DETAIL - DROPPED SOFFIT
SCALE: 1 1/2" = 1'-0"



NOTES:

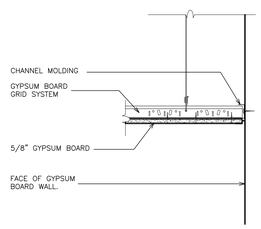
1. FOR USE WITH NEW CEILING MOUNTED DEVICES (SMOKE DETECTORS, RECEPTACLES, SPEAKERS, FANS ETC.).
2. INDEPENDENT SUPPORT FROM BUILDING STRUCTURE REQUIRED FOR ITEMS EXCEEDING 20 LBS. AND FANS.

8 DETAIL - CEILING MOUNTED DEVICE
NOT TO SCALE

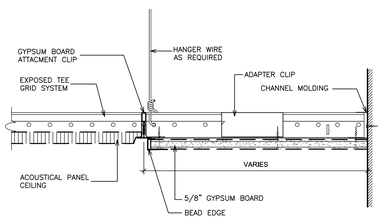


GENERAL NOTES:
BRACE CEILING TRANSITIONS AS REQUIRED.

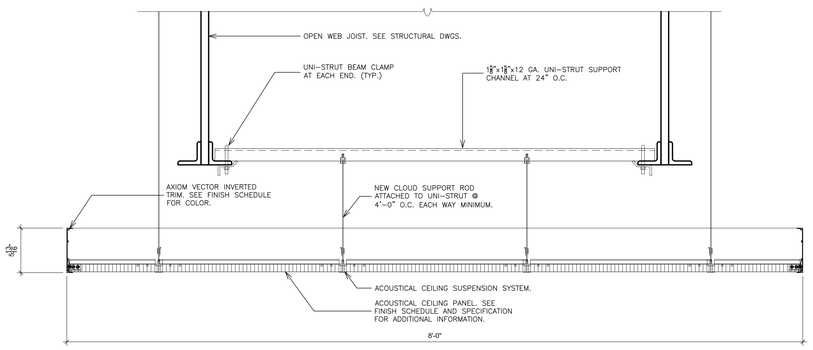
9 DETAIL- THRU DRYWALL SOFFIT @ ACOUSTICAL CEILING SYSTEM
SCALE: 1 1/2" = 1'-0"



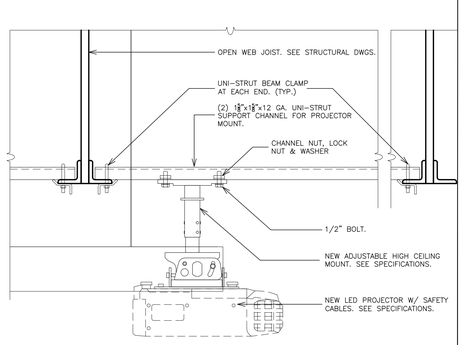
10 DETAIL- GYPSUM BOARD CEILING EDGE @ GYPSUM WALL
SCALE: 1 1/2" = 1'-0"



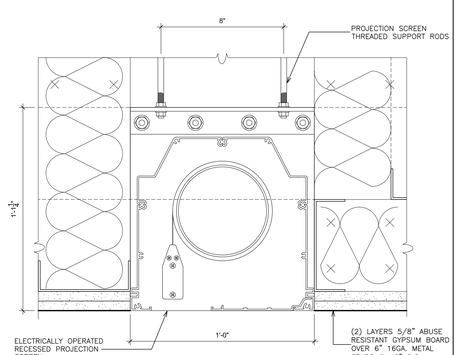
11 DETAIL - FLUSH DRYWALL PERIMETER ACOUSTICAL CEILING SYSTEM
SCALE: 3" = 1'-0"



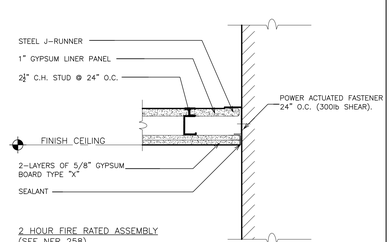
16 CEILING CLOUDS SECTION
SCALE: 1 1/2" = 1'-0"



12 DETAIL- PROJECTOR MOUNT
SCALE: 1 1/2" = 1'-0"

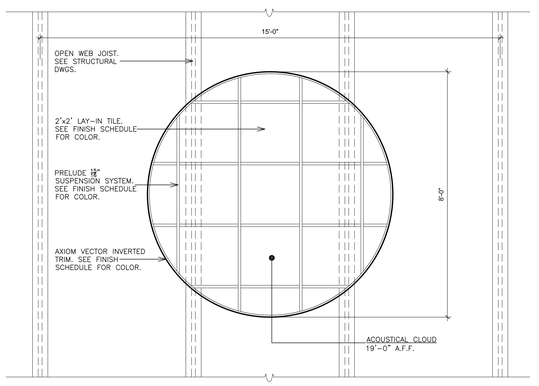


13 DETAIL - PROJECTION SCREEN
SCALE: 3" = 1'-0"

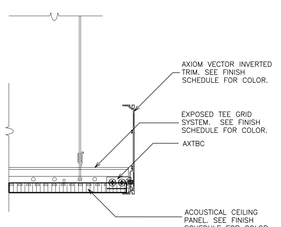


2 HOUR FIRE RATED ASSEMBLY
(SEE NER 258)

14 DETAIL - 2 HOUR RATED CEILING
SCALE: 1 1/2" = 1'-0"



15 CEILING CLOUDS PLAN
SCALE: 1/2" = 1'-0"



17 DETAIL @ TRIM
SCALE: 3" = 1'-0"

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LICENSE EXP. DATE: 03-31-2025

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CAFETORIUM ADDITION/INTERIOR RENOVATIONS AND ATHLETIC WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

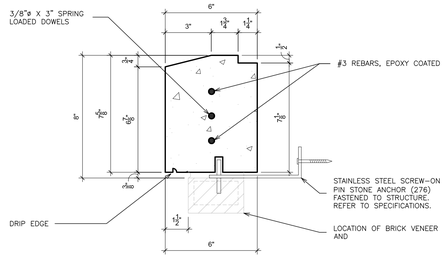
DRAWING TITLE
CEILING DETAILS & MISCELLANEOUS DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A652
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 11:10am

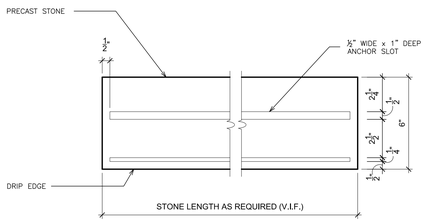
FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A652.dwg



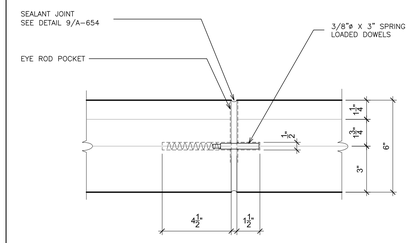
NOTES:

1. ALL ANCHORS, DOWELS AND ACCESSORIES ARE STAINLESS STEEL.
2. ANCHORS SHOWN ON THIS SHEET AND ON WALL SECTION DETAILS WHERE NOT SPECIFICALLY INDICATED SHALL BE PROVIDED AS PER STONE MANUFACTURER AND TRADE STANDARDS. ANCHOR TYPE AND CONFIGURATIONS SHALL BE PROVIDED TO SUIT INTENDED ANCHORAGE AS SHOWN. DESIGN LOADS AND FORCES SHALL CONFORM TO BUILDING CODE AND STANDARD DESIGN PARAMETERS. STRICTEST STANDARDS SHALL APPLY. SUBMIT ANCHORS TYPES AND DETAILS FOR ARCHITECT/ ENGINEER REVIEW PRIOR TO ORDER/ INSTALLATION.

1 PRECAST STONE - SILL DETAIL
SCALE: 3" = 1'-0"

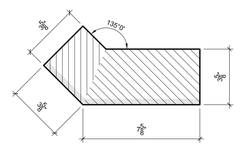


2 PRECAST STONE SILL - BOTTOM VIEW
SCALE: 3" = 1'-0"



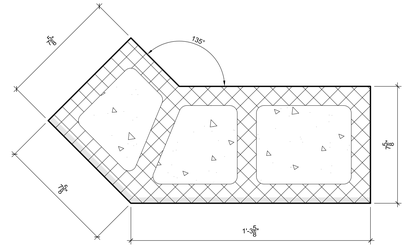
3 PLAN-PRECAST STONE SILL
SCALE: 3" = 1'-0"

NOTES:
1. REFER TO UNIT COSTS FOR ADDITIONAL INFORMATION.
2. FINISHED FACE SURFACES OF CORNER BRICK INDICATED IN SHADE.
3. CONTRACTOR SHALL FIELD VERIFY FINISHED FACE SURFACES AND DIMENSIONS AND PROFILES OF ALL SHAPES.



EXTERIOR CORNER SPECIAL BRICK SHAPE DETAIL
4
SCALE: 3" = 1'-0"

NOTES:
1. REFER TO UNIT COSTS FOR ADDITIONAL INFORMATION.
2. FINISHED FACE SURFACES OF CORNER BRICK INDICATED IN SHADE.
3. CONTRACTOR SHALL FIELD VERIFY FINISHED FACE SURFACES AND DIMENSIONS AND PROFILES OF ALL SHAPES.



EXTERIOR CORNER SPECIAL CMU SHAPE DETAIL
5
SCALE: 3" = 1'-0"

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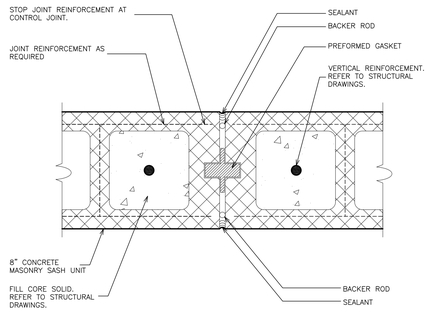
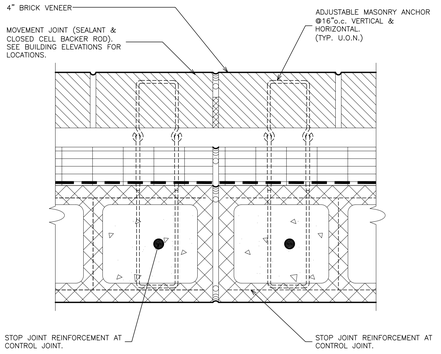
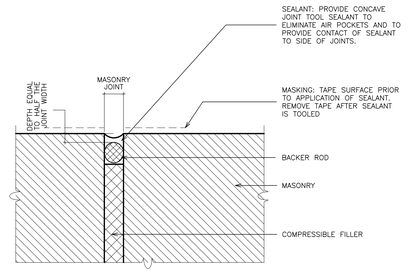


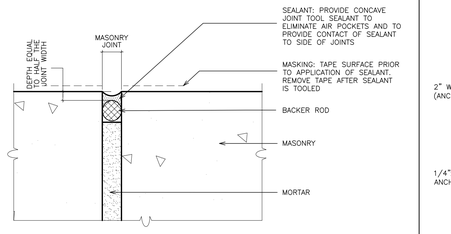
TYPICAL CONTROL JOINT TWO HOURS RATED (at firewall)
6
SCALE: 3" = 1'-0"

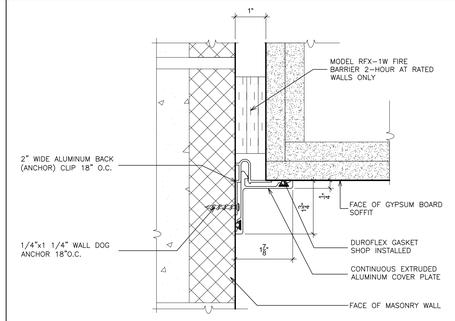


TYPICAL CONTROL JOINT (unrated walls only)
7
SCALE: 3" = 1'-0"



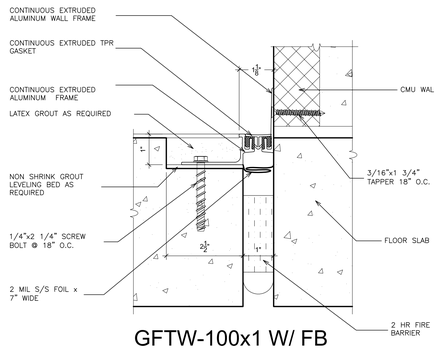
8 TYPICAL SEALANT JOINT@ SILL
SCALE: NOT TO SCALE





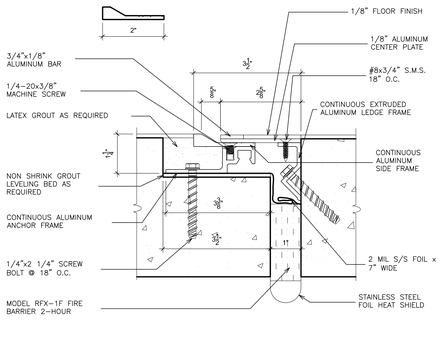
ASMC-100 W/ FB

DETAIL-WALL TO G.B. SOFFIT EXPANSION JOINT
9
SCALE: 6" = 1'- 0"



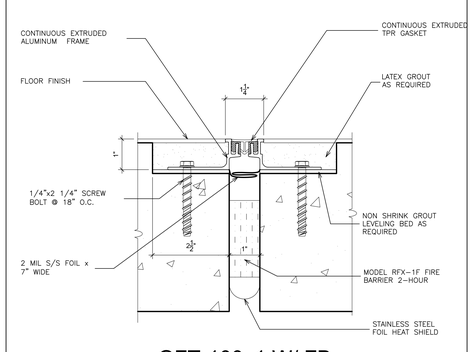
GFTW-100x1 W/ FB

DETAIL- FLOOR TO WALL EXPANSION JOINT
10
SCALE: 6" = 1'- 0"



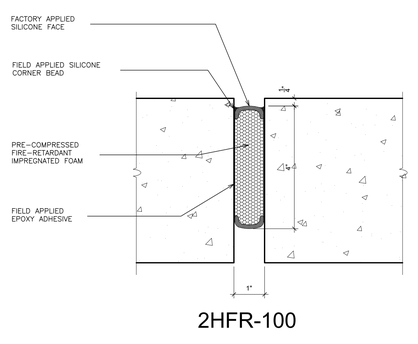
SJPFRM-100 W/ FB

DETAIL- FLOOR EXPANSION JOINT
11
SCALE: 6" = 1'- 0"



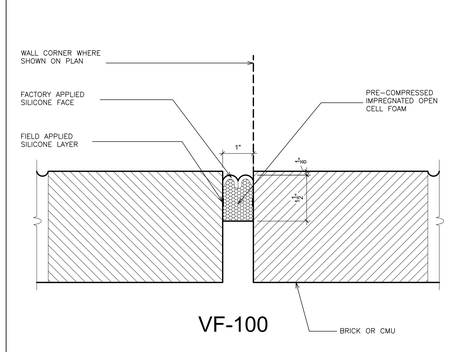
GFT-100x1 W/ FB

DETAIL- FLOOR EXPANSION JOINT
12
SCALE: 6" = 1'- 0"



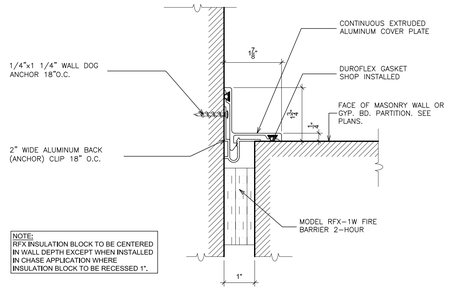
2HFR-100

DETAIL- 2 HR RATED FOAM WITH SILICON FACE
13
SCALE: 6" = 1'- 0"



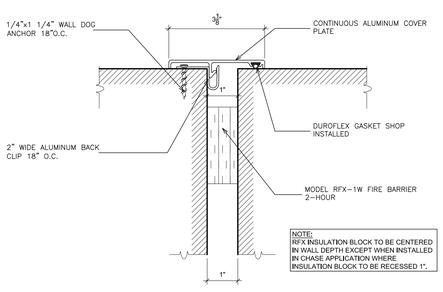
VF-100

DETAIL - EXTERIOR WALL EXPANSION JOINT (not rated)
14
SCALE: 6" = 1'- 0"



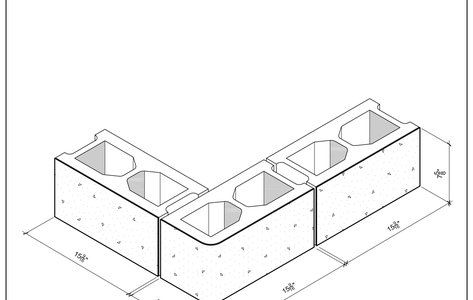
ASMC-100 W/ FB

DETAIL- WALL TO CORNER EXPANSION JOINT (2 hr. rated)
15
SCALE: 6" = 1'- 0"

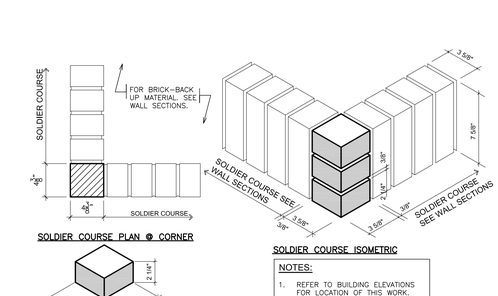


ASM-100 W/ FB

DETAIL- WALL TO WALL EXPANSION JOINT (2hr. rated)
16
SCALE: 6" = 1'- 0"

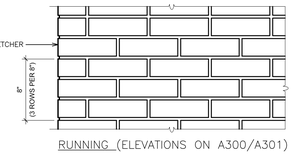


CORNER DETAIL - POLISHED GROUND FACED BLOCK
17
NOT TO SCALE



NOTES:
1. REFER TO BUILDING ELEVATIONS FOR LOCATION OF THIS WORK.
2. FINISHED FACE SURFACES OF CORNER BRICK INDICATED IN SHADE.

18 SOLDIER COURSING
NOT TO SCALE



RUNNING (ELEVATIONS ON A300/A301)

19 BRICK BONDS
NOT TO SCALE

FULLER DANGELO P.C. ARCHITECTS PLANNERS
48 KHOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERDANGELO.COM

LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
PROJECT: CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION INTERIOR
RENOVATIONS & ALTERATIONS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

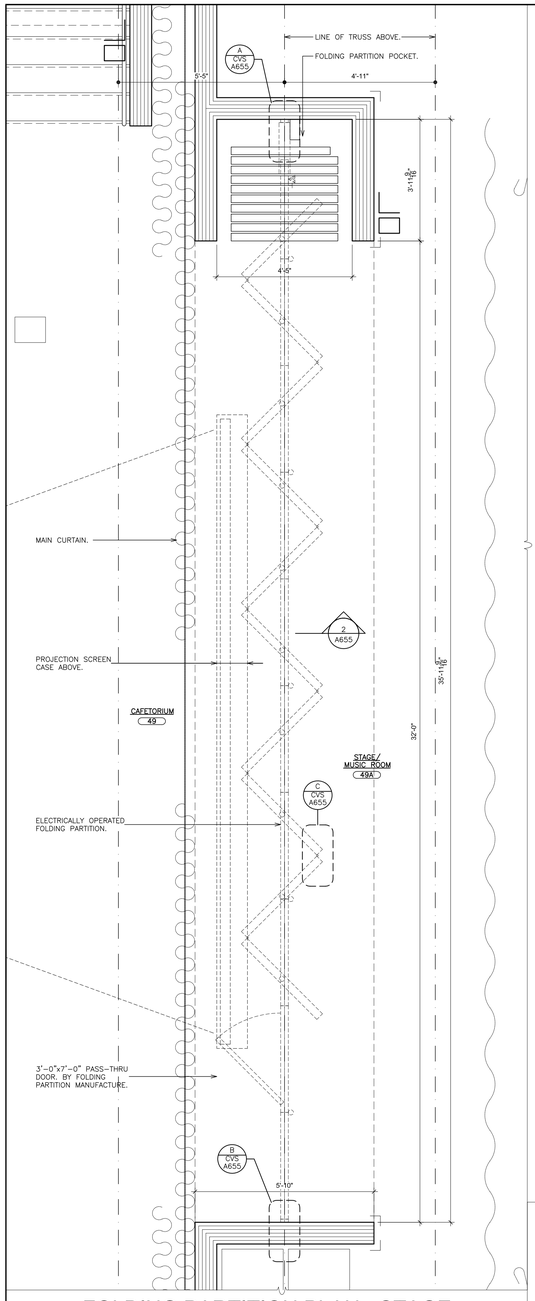
DRAWING TITLE
MISCELLANEOUS DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

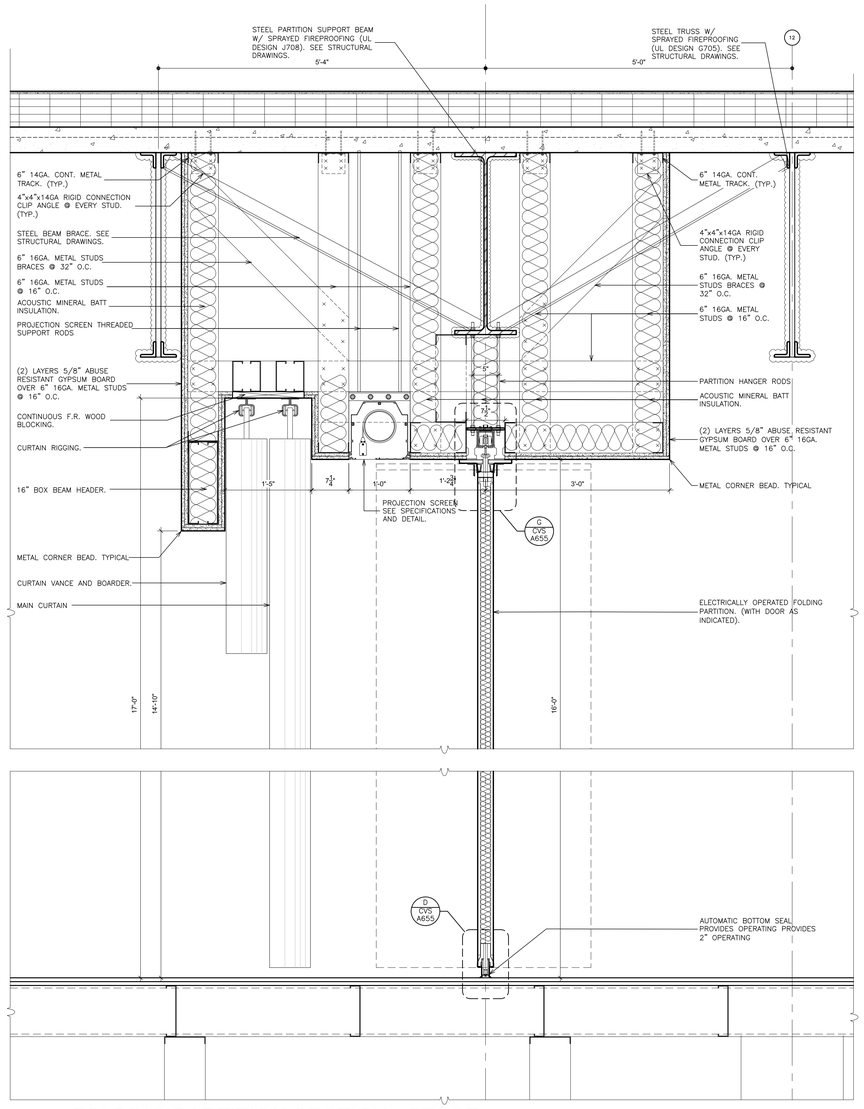
SHEET SIZE 30"x42"
DRAWING NO. CVS A653
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 11:11am

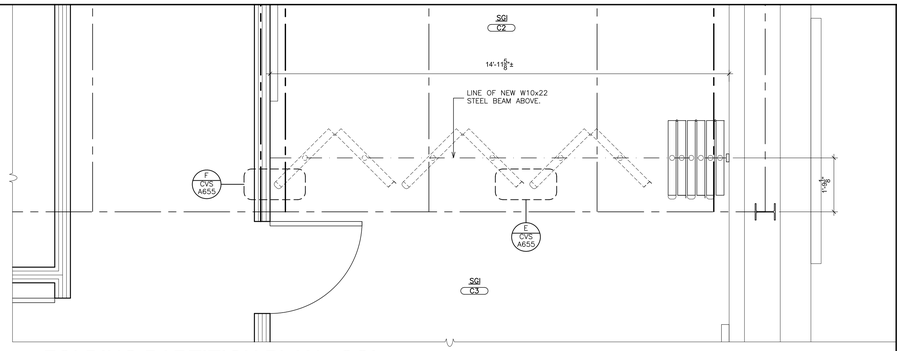
FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A653.dwg



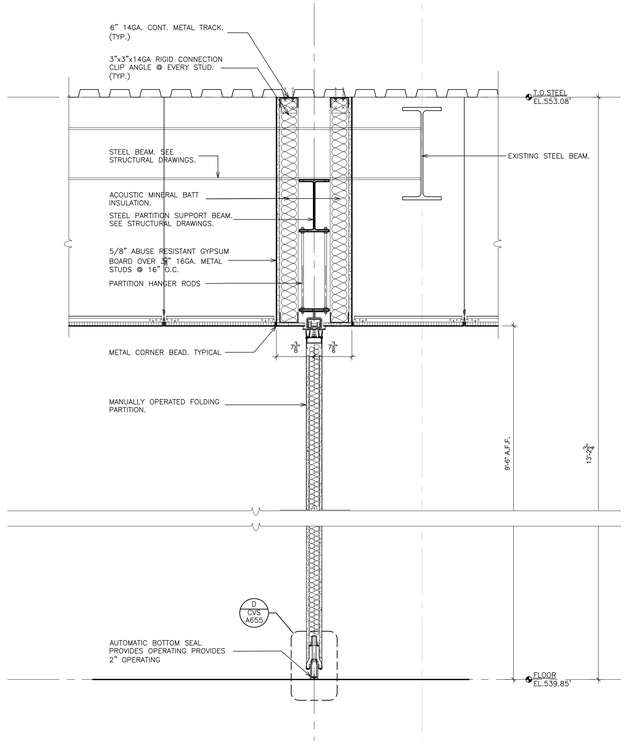
1 FOLDING PARTITION PLAN - STAGE
SCALE: 1/2" = 1'-0"



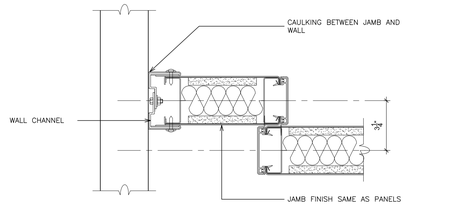
2 FOLDING PARTITION SECTION - STAGE
SCALE: 1" = 1'-0"



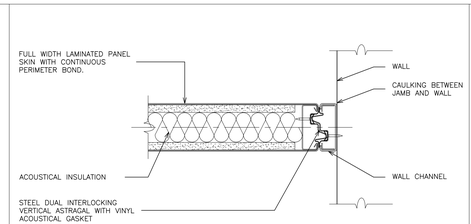
3 FOLDING PARTITION PLAN - SGI
SCALE: 1/2" = 1'-0"



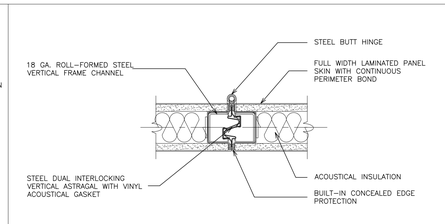
4 FOLDING PARTITION SECTION - SGI
SCALE: 1" = 1'-0"



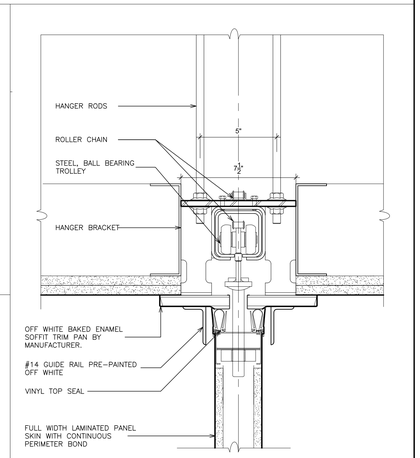
A DETAIL - STACK JAMB
SCALE: 3" = 1'-0"



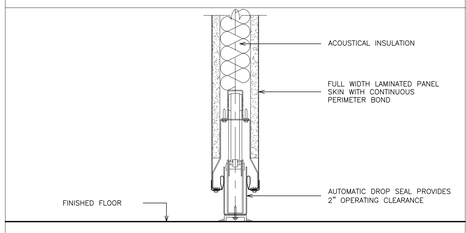
B DETAIL - FIXED JAMB
SCALE: 3" = 1'-0"



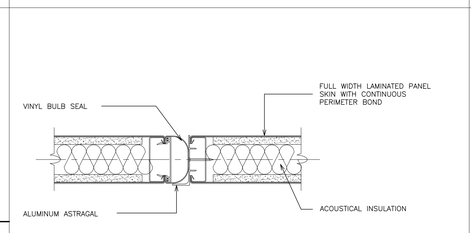
C DETAIL - HINGED PANEL JOINT
SCALE: 3" = 1'-0"



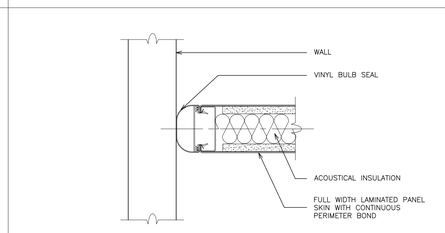
G DETAIL - HEAD
SCALE: 3" = 1'-0"



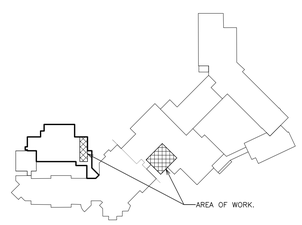
D DETAIL - SILL
SCALE: 3" = 1'-0"



E DETAIL - HINGED PANEL MEETING
SCALE: 3" = 1'-0"



F DETAIL - FIXED JAMB
SCALE: 3" = 1'-0"



KEY PLAN
N.T.S.

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FULLER D'ANGELO P.C. ARCHITECTS PLANNERS
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TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERANDDANGELO.COM

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM & KITCHEN INTERIOR
RENOVATIONS AS A CVS PROJECT
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
MISCELLANEOUS DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A655
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 11:11am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A655.dwg

CODE COMPLIANCE NOTES:

IN ORDER TO MEET THE NEEDS OF PERSONS WITH DISABILITIES, WHEN APPLICABLE ALL FIXTURES, FURNISHINGS AND EQUIPMENT ITEMS SHALL COMPLY WITH THE CURRENT CONNECTICUT STATE BUILDING CODE INCLUDING:
2009 ICC/ANSI A117.1, SECTION 504 REHABILITATION ACT 1973 INCLUDING CURRENT ADA STANDARDS FOR ACCESSIBLE DESIGN AND SECTION 504 REGULATIONS, AND THE AMERICANS WITH DISABILITIES ACT TITLE II INCLUDING THE CURRENT ADA STANDARDS FOR ACCESSIBLE DESIGN AND ADA REGULATIONS.

ACCESSIBLE KNEE CLEARANCES SHALL COMPLY WITH CURRENT ADA STANDARDS FOR ACCESSIBLE DESIGN, SECTION 306.

COMPLIANCE WITH CURRENT CONNECTICUT STATE FIRE SAFETY CODE AND CURRENT O.S.H.A – TITTLE 29/LABOR IS ALSO REQUIRED.

THE ITEMS SHALL INCLUDE, BUT ARE NOT LIMITED TO FIXTURES, FURNISHINGS, EQUIPMENT, WORKSTATIONS (INCLUDING BUILT-INS), LABORATORY FUME HOODS, DARKROOMS EQUIPMENT, WELDING STATIONS, SHOP EQUIPMENT, ETC.

SECURE ATTACHMENT OF FFE&T ITEMS:

TO ENSURE PROPER ATTACHMENT OF FFE&T ITEMS, WHERE ITEMS ARE ATTACHED TO WALL, CEILING, OVERHEAD STRUCTURE AND OR FLOOR, CONTRACTOR SHALL PROVIDE INFORMATION ADEQUATE FOR ARCHITECT TO VERIFY ITEMS, ATTACHING TO WALL, CEILING, AND/OR FLOOR ARE ATTACHED SECURELY AND PER MANUFACTURER'S RECOMMENDATIONS. ARCHITECT'S REVIEW BE MAY IMPLEMENTED DURING SUBMITTAL PROCESS.

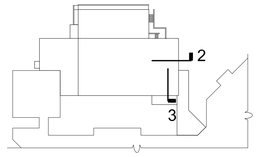
CONTRACTOR SHALL PROVIDE STRUTS, HANGERS, FASTENERS, SAFETY HARNESSES, CHANNELS, BOLTS, SCREWS, RODS, ETC. TO SECURELY ATTACH ITEMS TO EXISTING STRUCTURE AS REQUIRED TO MEET FIELD CONDITIONS AND MEET APPLICABLE CODES.

RIGGING SCHEDULE

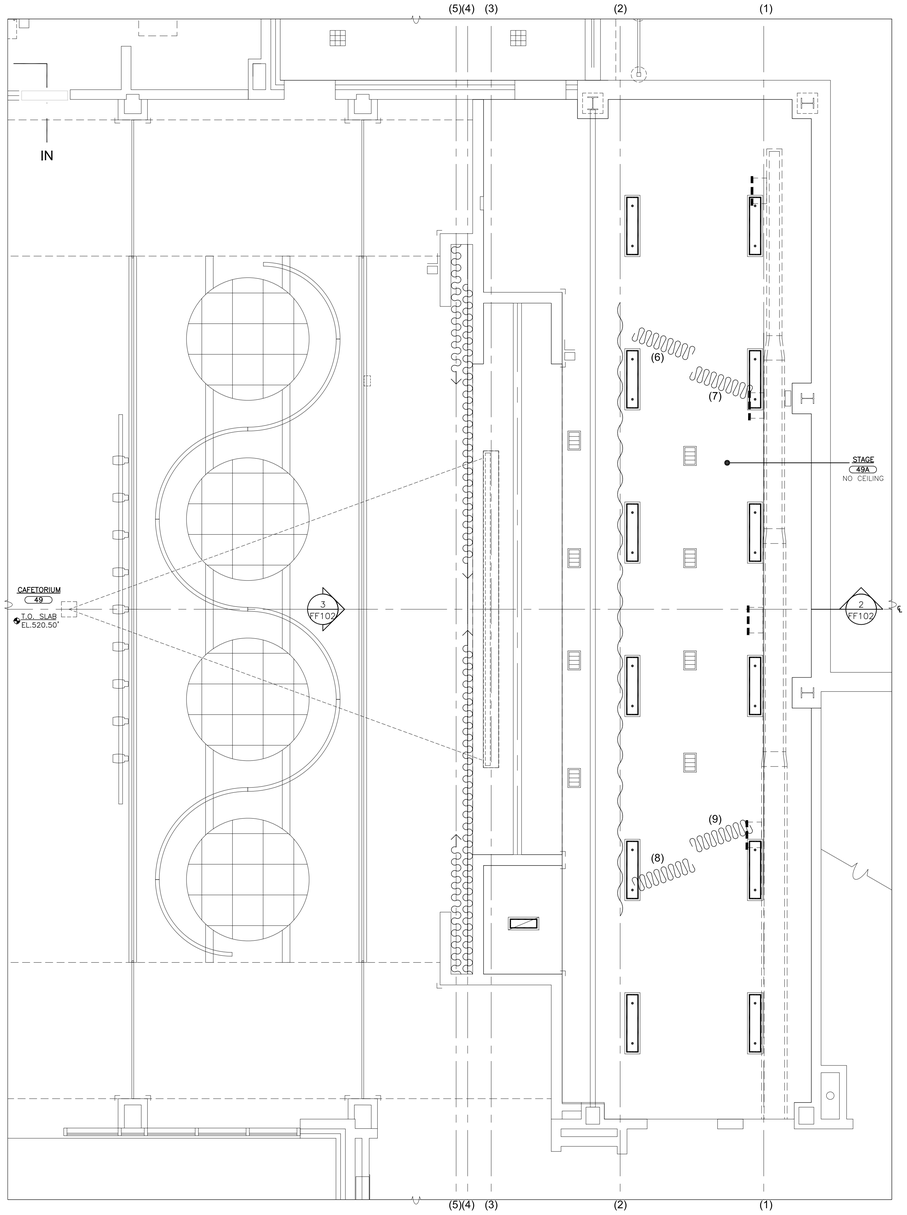
LINESET	DESCRIPTION	DIST. FROM BACK WALL	TRACK	RIGGING	CURTAINS	SUSPENSION	OPERATION	FR RATING	BATTEN	REMARKS
1	CYCLORAMA	3'-0"	NEW	TRACK MOUNTED	WHITE	CHAIN	3/4" TOP & BOTTOM PIPE	NFPA 701	NEW	WHITE CYCLORAMA, REMOVABLE BOTTOM PIPE
2	BORDER	12'-6"	NEW	DEAD HUNG	BLACK	CHAIN	TRAVELER, CORD AND TENSION PULLEY	NFPA 701	NEW	
3	PROJECTION SCREEN	21'-1¾"	–	–	–	ROD MOUNTED		–	NEW	
4	MAIN TRAVELER CURTAIN	22'-6"	NEW	DEAD HUNG	BURGUNDY	CHAIN	TRAVELER, CORD AND TENSION PULLEY	NFPA 701	NEW	
5	MAIN LEGS	23'-2"	NEW	DEAD HUNG	BURGUNDY	CHAIN	TRAVELER, CORD AND TENSION PULLEY	NFPA 701	NEW	
6	TAB	STAGE RIGHT	NEW	DEAD HUNG	BLACK	CHAIN	TRAVELER, CORD AND TENSION PULLEY	NFPA 701	NEW	
7	TAB	STAGE RIGHT	NEW	DEAD HUNG	BLACK	CHAIN	TRAVELER, CORD AND TENSION PULLEY	NFPA 701	NEW	
8	TAB	STAGE LEFT	NEW	DEAD HUNG	BLACK	CHAIN	TRAVELER, CORD AND TENSION PULLEY	NFPA 701	NEW	
9	TAB	STAGE LEFT	NEW	DEAD HUNG	BLACK	CHAIN	TRAVELER, CORD AND TENSION PULLEY	NFPA 701	NEW	

NOTES:
1. ALL CURTAINS, BORDERS, CYCLORAMAS, CHAINS, CABLE & RIGGING TO BE PROVIDED.
2. ALL CURTAINS ON TRAVELERS EXCEPT CYCLORAMA.
3. CYCLORAMA, SEAMLESS WITH 3/4" RODS TOP & BOTTOM CONTINUOUS (COUPLER). TOP TO RECEIVE HEM & GROMMETS 12" O.C. SECURE CYCLORAMA TO PIPE.

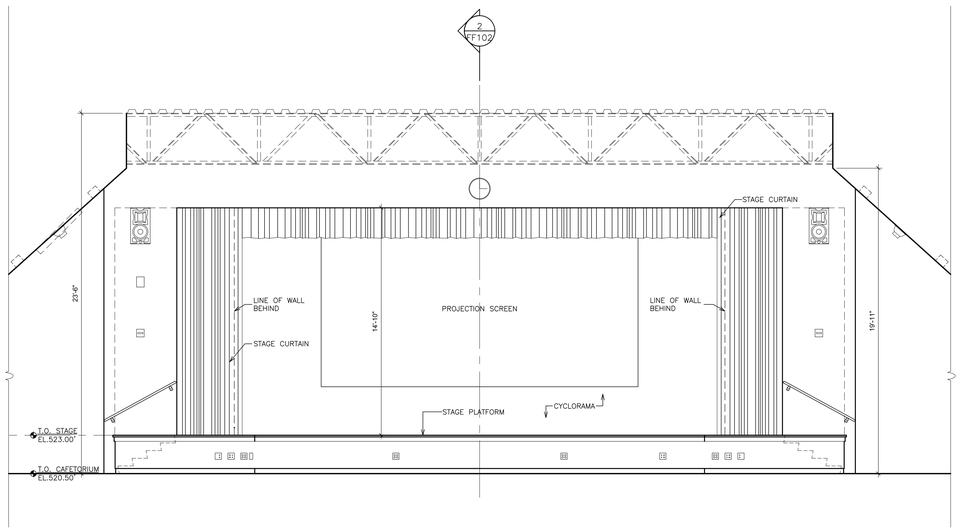
GENERAL NOTES:
1. CURTAIN SCHEDULE IN SPECIFICATION
2. CURTAINS. CONFIGURATIONS PLEAT TYPE, COLORS. SEE SPEC. FOR FABRIC WEIGHT AND BACKING.
3. ALL CLASS A MATERIALS W/ SPRAY FIRE PROOFING.
4. CHAIN BOTTOM FINISH POCKET WITH CHAIN,
5. PROVIDE ALL HEAD BLOCKS AND LOFT BLOCKS.
6. PROVIDE ALL WIRE SS ⅛"ø.
7. WIRING @ ARBOR FOR WIRE COMPONENTS.
8. ALL CURTAIN HEIGHTS, TYPE PLEAT AND BACKING. V.I.F.
9. ALL HEIGHTS OF DEAD HUNG CURTAIN RODS AND MASKING ROD TO BE AS PER DRAWING.
10. PROVIDE ALL COMPONENT RODS, RIGGING, CHORDS, CURTAINS.



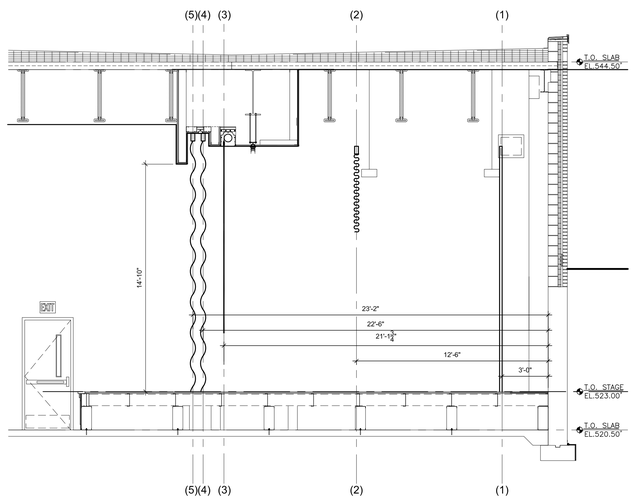
KEY PLAN
SCALE N.T.S.



1 REFLECTED CEILING PLAN - STAGE CURTAIN
SCALE: 1/4" = 1'-0"



3 ELEVATION - STAGE CURTAIN
SCALE: 1/4" = 1'-0"



2 SECTION - STAGE CURTAIN
SCALE: 1/4" = 1'-0"

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
REGISTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION & INTERIOR RENOVATIONS & ATHLETIC WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
STAGE CURTAIN REFLECTED CEILING PLAN, ELEVATIONS, SECTIONS & RIGGING SCHEDULE

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
06-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A656
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 11:38am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A656.dwg

DOOR SCHEDULE

BUILDING	LEVEL	LINE	DOOR NUMBER	DRAWING NUMBER	ROOM / RM No.	DOOR – SIZE: DOUBLE LEAF DOOR	DOOR – SIZE: WIDTH x HEIGHT	DOOR: NEW DOOR	DOOR: EXISTING DOOR	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	FRAME MATERIAL	FRAME DETAIL: HEAD DETAIL	FRAME DETAIL: JAMB DETAIL	FRAME DETAIL: SADDLE DETAIL	FIRE RATING (MIN.): 90 MINUTES	FIRE RATING (MIN.): 45 MINUTES	FIRE RATING (MIN.): 0 MINUTES
CV STARR INTERMEDIATE SCHOOL	GROUND FLOOR	01	100	CVS A101	CORRIDOR 40	●	6'-0" X 7'-2"	●		D-1	FRP	F-2	AL	20	23	C		●	
		02	101	CVS A101	VESTIBULE 34	●	6'-0" X 7'-0"	●		D-5	GT	F-11	HM	38	37	–	●		
		03	102	CVS A101	BOY'S TOILET 41		3'-0" X 7'-2"	●		D-2	GT	F-1	HM	2	1	B		●	
		04	103	CVS A101	GIRL'S TOILET 42		3'-0" X 7'-2"	●		D-2	GT	F-1	HM	2	1	B		●	
		05	104	CVS A101	OFFICE 43		3'-0" X 7'-2"	●		D-3	GT	F-1	HM	2	1	–		●	
		06	105	CVS A101	OFFICE 44		3'-0" X 7'-2"	●		D-3	GT	F-1	HM	2	1	–		●	
		07	106	CVS A101	CAFETORIUM 49	●	6'-0" X 7'-2"	●		D-5	GT	F-2	HM	2	1	–		●	
		08	107	CVS A101	CORRIDOR 45	●	6'-0" X 7'-2"	●		D-1	FRP	F-10	AL	34	24	–			●
		09	108	CVS A101	CORRIDOR 45	●	6'-0" X 7'-2"	●		D-1	FRP	F-3	AL	28	27	C			●
		10	109	CVS A101	KITCHEN 50	●	6'-0" X 7'-2"	●		D-5	FRP	F-2	AL	20	23	C			●
		11	110	CVS A101	DRY STORAGE 50A		3'-0" X 7'-2"	●		D-2	GT	F-1	HM	2	1	–			●
		12	111	CVS A101	DRY STORAGE 50B		3'-0" X 7'-2"	●		D-2	GT	F-1	HM	2	1	–			●
		13	112	CVS A101	LOCKER 50E		3'-0" X 7'-2"	●		D-2	GT	F-1	HM	2	1	B			●
		14	113	CVS A101	TOILET 50F		3'-0" X 7'-2"	●		D-2	GT	F-1	HM	2	1	B			●
		15	114	CVS A101	JANITOR'S CLOSET 50G		3'-0" X 7'-2"	●		D-2	GT	F-1	HM	2	1	–		●	
		16	115	CVS A101	OFFICE 50H		3'-0" X 7'-2"	●		D-3	GT	F-1	HM	2	1	B		●	
		17	116	CVS A101	ELECTRICAL ROOM 50I		3'-0" X 7'-2"	●		D-2	GT	F-1	HM	2	1	–		●	
		18	117	CVS A101	KITCHEN 50		3'-0" X 7'-2"	●		D-1	HM	F-4	HM	14	11,16	18		●	
		19	118	CVS A101	KITCHEN 50		3'-0" X 7'-2"	●		D-1	HM	F-5	HM	14	11,16	18		●	
		20	119	CVS A101	KITCHEN 50		3'-0" X 7'-2"	●		D-1	HM	F-6	HM	14	11,16	18		●	
		21	120	CVS A101	KITCHEN 50		3'-0" X 7'-2"	●		D-1	HM	F-7	HM	14	11,16	18		●	
		22	121	CVS A101	CAFETORIUM 49		3'-0" X 7'-2"	●		D-5	FRP	F-9	AL	21	23	25			●
		23	122	CVS A101	STAGE 49A		3'-0" X 7'-2"	●		D-5	FRP	F-8	AL	22	23	26			●
		24	123	CVS A101	NOT USED														
		25	124	CVS A101	STAGE 49A		3'-0" X 7'-2"	●		D-3	GT	F-1	HM	2	1	–		●	
		26	125	CVS A101	STAIR 52	●	7'-0" X 7'-2"	●		D-5	GT	F-2	HM	2	1	–		●	
		27	126	CVS A101	CORRIDOR 51	●	7'-0" X 7'-2"	●		D-4	GT	F-2	HM	2	1	–		●	
		28	127	CVS A101	CAFETORIUM 49	●	6'-0" X 7'-2"	●		D-2	FRP	F-2	AL	20	23	C			●
		29	128	CVS A101	CAFETORIUM 49	●	6'-0" X 7'-2"	●		D-2	FRP	CW1	AL	14/A726	16/A726	15/A726			●
		30	129	CVS A101	CAFETORIUM 49	●	6'-0" X 7'-2"	●		D-2	FRP	CW1	AL	14/A726	16/A726	15/A726			●
		31	130	CVS A101	VESTIBULE 48	●	6'-0" X 7'-2"	●		D-1	FRP	F-2	AL	20	23	C			●
		32	131	CVS A101	CAFETORIUM 49	●	6'-0" X 7'-2"	●		D-5	GT	F-2	HM	2	1	–		●	
		33	132	CVS A101	MECHANICAL ROOM 47	●	6'-0" X 7'-2"	●		D-2	GT	F-2	HM	2	1	–		●	
		34	133	CVS A101	VESTIBULE 48	●	6'-0" X 7'-2"	●		D-1	GT	F-2	HM	2	1	–			●
		35	134	CVS A101	JANITOR'S CLOSET 46		3'-6" X 7'-2"	●		D-2	GT	F-1	HM	2	1	B	●		
		36	135	CVS A101	COURTYARD	●	6'-0" X 7'-2"	●		D-1	FRP	F-2	AL	10	9	C	●		●
		37	136	CVS A101	MECHANICAL ROOM 47		3'-0" X 7'-0"	●		8/A501	HM	8/A501	HM	8/A501	8/A501	8/A501			●
		38																	
		39																	
	FIRST FLOOR	40	200	CVS A102	STAIR 52	●	7'-0" X 7'-0"	●		D-5	GT	F-2	HM	2	1	–		●	
		41	201	CVS A102	CORRIDOR 180	●	6'-0" X 7'-0"	●		D-1	FRP	F-12	AL	20	23	C			●
		42	202	CVS A102	CORRIDOR 180	●	6'-0" X 7'-0"	●		D-5	GT	F-2	HM	2	1	–	●		
		43	203	CVS A102	SECURITY OFFICE 181		3'-0" X 7'-0"	●		D-3	GT	F-1	HM	2	1	–		●	
		44	204	CVS A102	STORAGE 181A		3'-0" X 7'-0"	●		D-2	GT	F-1	HM	2	1	–			●
		45	205	CVS A102	ROOF ACCESS DOOR 33	●	3'-0" X 6'-1" & (2'-0"x6'-1")	●		D-2	FRP	F-2	AL	40	41	31/A627		●	
		46																	
		47	220	CVS A120	CLASSROOM C1		3'-0" X 7'-2"	●		D-3	GT	F-1	HM	6	5	–		●	
		48	221	CVS A120	CLASSROOM C2		3'-0" X 7'-2"	●		D-3	GT	F-1	HM	6	5	–		●	
		49	222	CVS A120	CLASSROOM C3		3'-0" X 7'-2"	●		D-3	GT	F-1	HM	6	5	–		●	
		50	223	CVS A120	STORAGE C3.1		3'-0" X 7'-2"	●		D-2	GT	F-1	HM	6	5	–			●
		51	224	CVS A120	CLASSROOM C4		3'-0" X 7'-2"	●		D-3	GT	F-1	HM	6	5	–		●	
		52	225	CVS A120	CORRIDOR C5		3'-0" X 7'-2"	●		D-3	GT	F-1	HM	6	5	–		●	
		53																	
		54																	
		55																	
		56																	
CV STARR ALTERNATE 1	GROUND FLOOR	57	150	CVS A110	CORRIDOR 60	●	6'-0" X 7'-2"	●		D-5	GT	F-2	HM	8	7	–		●	
		58	151	CVS A110	STORAGE 62	●	6'-0" X 7'-2"	●		D-2	GT	F-1	HM	2	1	–		●	
		59	152	CVS A110	SGI 61		3'-0" X 7'-2"	●		D-3	GT	F-1	HM	2	1	–		●	
		60	153	CVS A110	STORAGE 61A		3'-0" X 7'-2"	●		D-2	GT	F-1	HM	2	1	–			●
		61	154	CVS A110	CORRIDOR 63	●	6'-0" X 7'-2"	●		D-5	GT	F-2	HM	8	7	–	●		
		62																	
		63																	
		64																	
CV STARR ALTERNATE 2	GROUND FLOOR	65	155	CVS A111	VESTIBULE 70	●	6'-0" X 7'-2"	●		D-1	FRP	F-2	AL	20	23	C			●
		66																	
		67																	
		68																	
		69																	
	FIRST FLOOR	70	210	CVS A111	VESTIBULE 182		3'-0" X 7'-2"	●		D-5	GT	F-1	HM	2	1	–	●		
		71																	
		72																	
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		80																	

HARDWARE

LINE	FIRE CODE: PANIC RELEASE LATCH	FIRE CODE: POSITIVE LATCHING	FIRE CODE: AUTOMATIC CLOSER (DELAYED ACTION)	FIRE CODE: E.M. HOLD – OPEN	FIRE CODE: SMOKE SEALS	GLAZING: FIRE RATED	GLAZING: INSULATED	GLAZING: LAMINATED	GLAZING: SAFETY FILM	DISABLE REQUIREMENTS: LEVER, U-HANDLE	DISABLE REQUIREMENTS: KICK PLATE (BEVELED 4 SIDES)	DISABLE REQUIREMENTS: TACTILE WARNING	DISABLE REQUIREMENTS: ADA CONFORMING ACCESSIBLE THRESHOLD	HARDWARE TYPE: MORTISE LOCK SET	HARDWARE TYPE: CYLINDRICAL LOCK SET	HARDWARE TYPE: CYLINDER(S)	HARDWARE TYPE: CORE(S) – SFIC	HARDWARE TYPE: PUSH / PULL
01	●	●	●				●		●		●		●			●	●	
02	●	●	●	●	●	●				●	●		●			●	●	
03		●	●		●					●	●		●		●		●	
04		●	●		●					●	●		●		●		●	
05		●	●		●	●				●	●		●		●		●	
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07	●	●	●	●	●	●				●	●		●				●	
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LINE	FUNCTION: CLASSROOM W/ INTRUDER FUNC.	FUNCTION: CLASSROOM	FUNCTION: CLASSROOM DEADBOLT	FUNCTION: OFFICE	FUNCTION: STORE ROOM	FUNCTION: EXIT	FUNCTION: TOILET	FUNCTION: OCCUPANCY INDICATOR	MISCELLANEOUS: 180° SWING	MISCELLANEOUS: REMOVABLE MULLION	MISCELLANEOUS: CONTINUOUS HINGE	MISCELLANEOUS: CYLINDER DOGGING	MISCELLANEOUS: RECESS PULL	MISCELLANEOUS: HOLD OPEN-CLOSER	MISCELLANEOUS: WALL STOP	MISCELLANEOUS: FLOOR STOP	MISCELLANEOUS: OVERHEAD STOP	MISCELLANEOUS: PERIMETER WEATHERSTRIPING	SECURITY: DOOR CONTACTS	SECURITY: ACCESS CONTROL READER	SECURITY: ELECTRIFIED HARDWARE	SECURITY: ELECTRIC STRIKE	HARDWARE SET NO.	REMARKS
01						●			●	●	●		●					●	●	●	●		1	(1) FIRE RATED FRAME
02						●																	100	(2)
03							●								●								101	(2)(5)
04							●								●								101	(2)(5)
05				●											●								102	(2)
06				●											●								102	(2)
07						●					●				●								103	(2)
08						●				●	●							●					104	
09						●				●	●		●					●	●				1	(1)
10						●					●		●		●			●	●	●	●		3	(1)(3)(7)
11					●										●								105	
12					●										●								105	
13				●											●								106	
14							●	●							●								107	(5)
15					●																		108	(2)(5)
16				●											●								109	(2)
17					●										●		●						110	(2) OVERHEAD STOP
18		●							●														111	(2)
19		●							●														111	(2)
20		●							●														111	(2)
21		●							●														111	(2)
22						●				●	●		●					●	●				4	(1)
23						●				●	●		●					●	●				4	(1)
24																								
25	●																						112	(2)
26						●																	113	(2)
27						●					●												103	(2)
28						●				●	●		●					●					5	(1)
29						●				●	●		●					●					6	(1)
30						●				●	●		●					●					6	(1)
31						●				●	●		●					●					5	(1)
32						●					●				●								103	(2)
33					●																		114	(2)
34						●				●								●					115	(2)
35					●																		116	(5)
36						●				●	●		●					●					7	(1)
37																								WIRE MESH DOOR
38																								
39																								
40						●			●														117	(2)
41						●				●	●		●					●	●	●	●		1	(1)
42						●			●		●												103	
43				●											●								118	(2)
44					●										●								119	
45						●				●	●		●			●		●					6	(1)(2) FIRE RATED FRAME
46																								
47	●															●							120	(2)
48	●														●								120	(2)
49	●																						120	(2)
50																●							119	
51	●																						120	(2)
52															●								121	(2)
53																								
54																								
55																								
56																								
57						●			●						●								122	(2)(4)
58					●				●														114	(2)
59	●														●								120	(2)
60					●											●							119	
61						●			●						●								122	(4)
62																								
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64																								
65						●				●	●		●					●	●	●	●		1	(1)
66																								
67																								
68																								
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● INDICATES REQUIRED WORK
○ INDICATES EXISTING
W FRAMED WITH WINDOW SYSTEM
FRP FIBERGLASS REINFORCED POLYESTER
AL ALUMINUM
HM HOLLOW METAL
WD WOOD
GT WOOD GRAIN STEEL
SD SEE DRAWINGS
E EXISTING

GENERAL DOOR NOTES:

1. DOOR HARDWARE SHALL COMPLY TO ALL APPLICABLE HANDICAPPED CODES. CLOSERS SHALL COMPLY TO STANDARDS REGARDING CLOSING SPEED AND OPENING FORCE.
2. ALL DOOR AND FRAME SIZES SHALL BE FIELD VERIFIED.
3. THERE SHALL BE NO PROJECTIONS BETWEEN 34" AND 80" ABOVE THE FLOOR OR GROUND. PROJECTIONS BETWEEN 34" AND 80" ABOVE THE FLOOR OR GROUND SHALL NOT EXCEED 4".
4. REFER TO SPECIFICATIONS FOR DOOR HARDWARE SETS.
5. THE BOTTOM OF ALL DOOR VISION LITES SHALL BE A MAXIMUM OF 43" ABOVE THE FINISHED FLOOR.
6. THE DOOR SURFACE WITHIN 10" OF THE FLOOR MEASURED VERTICALLY SHALL BE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING FULL WIDTH OF DOOR.
7. ALL EXTERIOR DOORS AND AREAS ADJACENT TO DOORS TO HAVE 1" INSULATED SAFETY LAMINATED GLASS WITH SECURITY FILM. (UNLESS NOTED OTHERWISE)
8. COORDINATE ALL REMOVALS WITH ABATEMENT DOCUMENTS.
9. CONTRACTOR TO FILL/PATCH ANY OLD HARDWARE PREPARATIONS IN EXISTING FRAMES THAT WILL NO LONGER BE USED WITH NEW HARDWARE. WELDED FILLER PLATES, HOLE PLATES, ETC. BY DON-JO MFG. OR EQUAL. CONTRACTOR IS RESPONSIBLE FOR ANY NEW MORTISES/HARDWARE PREPARATION TO EXISTING FRAME TO ACCOMMODATE NEW DOOR AND HARDWARE.
10. FIRE RATED DOORS SHALL COMPLY WITH NFPA 80, PROVIDE UL LABELS.
11. REFER TO SPECIFICATIONS FOR GLAZING TYPE FOR VISION PANELS.
12. ALL GLAZING IN FIRE RATED DOOR SHALL BE LABELED GLASS. REFER TO SPECIFICATIONS.
13. PROVIDE SILICONE SEALANT AROUND ALL NEW DOOR LIGHTS.
14. NEW H.M. DOOR FRAMES TO BE PAINTED (BOTH SIDES).
15. NEW H.M. DOOR FRAMES TO RECEIVE RESILIENT RUBBER SILENCERS.
16. FIRE RATED GLASS AT ALL RATED DOORS AND PANELS IN RATED WALLS.
17. PROVIDE OFFSET JAMB ANCHORS AS REQUIRED TO ANCHOR TO SOLID BACK-UP MATERIAL.

DOOR SCHEDULE REMARKS:

(1) DOOR MANUFACTURERS RECESSED DOOR PULL.
(2) ¾" MAXIMUM UNDERCUT FROM TOP OF THRESHOLD OR FLOOR FINISH TO BOTTOM OF DOOR ON FIRE RATED DOOORS.
(3) EXPOSED VERTICAL ROD, LESS BOTTOM ROD.
(4) DOUBLE ACTING DOOR.
(5) PROVIDE 3/4" DOOR UNDERCUT.
(6) ROLLING SECURITY SCREEN.
(7) MOP PLATE.
(8) TEMPERATURE RISE RATED DOOR

WINDOW LEGEND

I.G. INSULATED GLAZING
S.F. SECURITY FILM
S.G. SECURITY GLAZING
(#)— DETAIL KEY
IP. INSULATED METAL PANEL

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR
RENOVATIONS & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

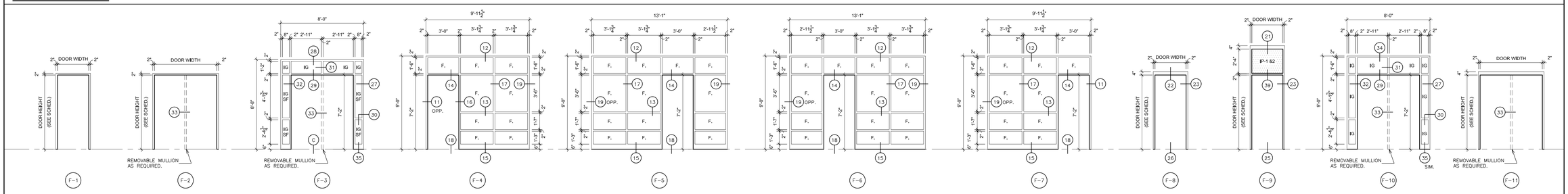
DRAWING TITLE
DOOR SCHEDULE

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

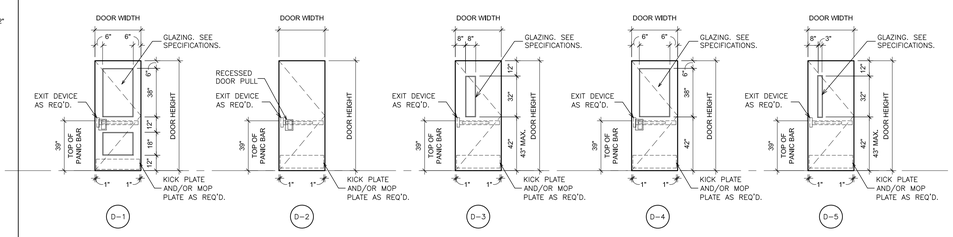
SHEET SIZE 30"x42"
SCALE AS NOTED
DRAWING NO. CVS A700
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 – 11:28am
FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A700.dwg

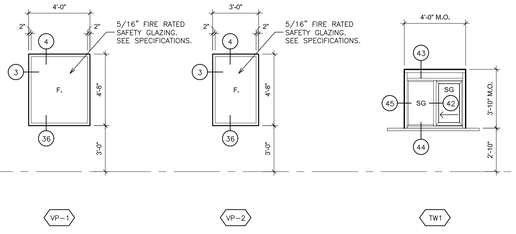
FRAME TYPES SCALE: 1/4"=1'-0"

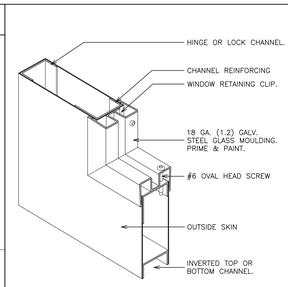


DOOR TYPES SCALE: 1/4"=1'-0"

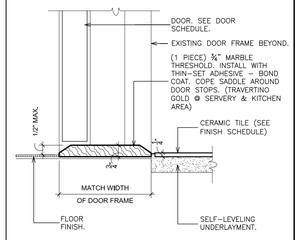


VISION PANEL TYPES SCALE: 1/4"=1'-0"

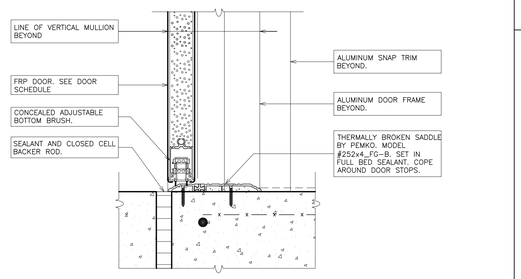




A DOOR VISION PANEL
SCALE: N.T.S.

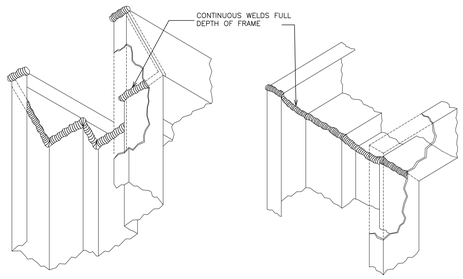


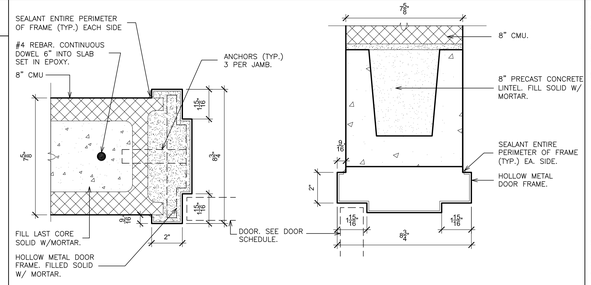
B MARBLE SADDLE
SCALE: 3" = 1'-0"



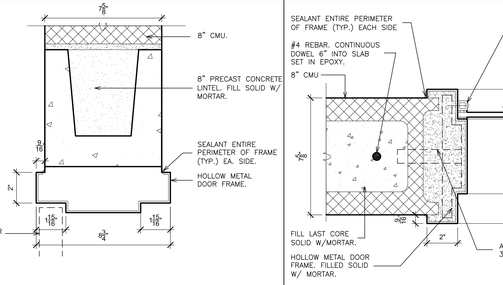
C DOOR SILL
SCALE: 3" = 1'-0"

DETAIL - HOLLOW METAL DOOR FRAME SCALE: N.T.S.

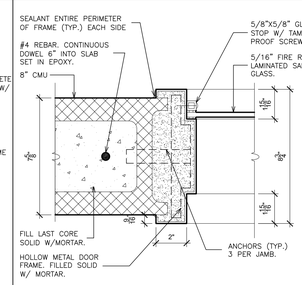




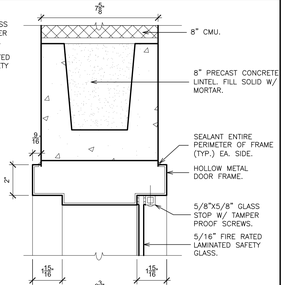
1 DOOR JAMB
SCALE: 3" = 1'-0"



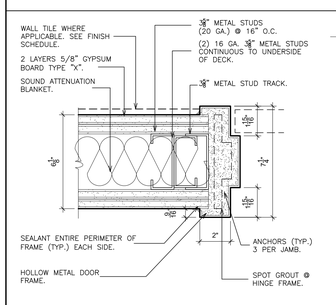
2 DOOR HEAD
SCALE: 3" = 1'-0"



3 WINDOW JAMB
SCALE: 3" = 1'-0"



4 WINDOW HEAD
SCALE: 3" = 1'-0"



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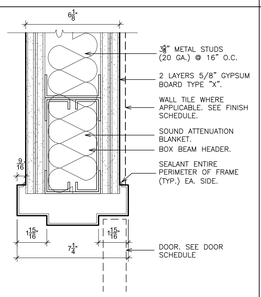
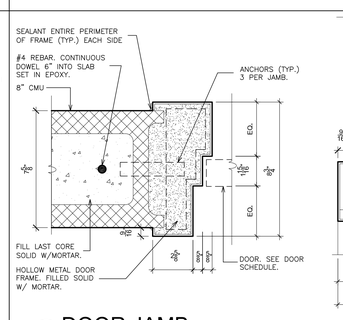
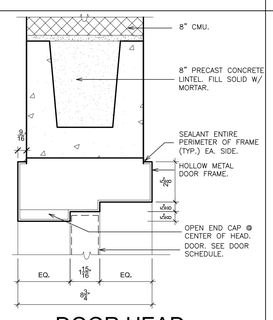


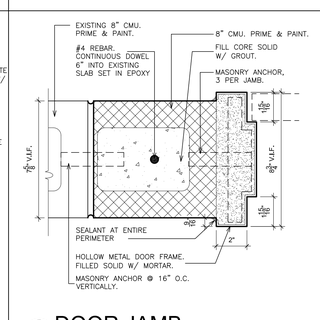
6 DOOR HEAD
SCALE: 3" = 1'-0"



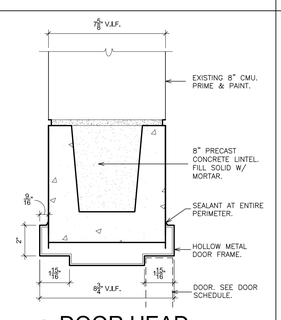
7 DOOR JAMB
SCALE: 3" = 1'-0"



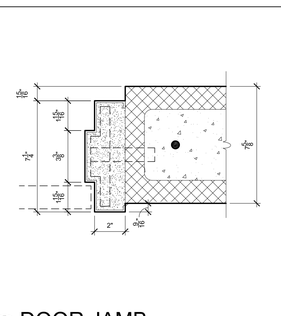
8 DOOR HEAD
SCALE: 3" = 1'-0"



9 DOOR JAMB
SCALE: 3" = 1'-0"

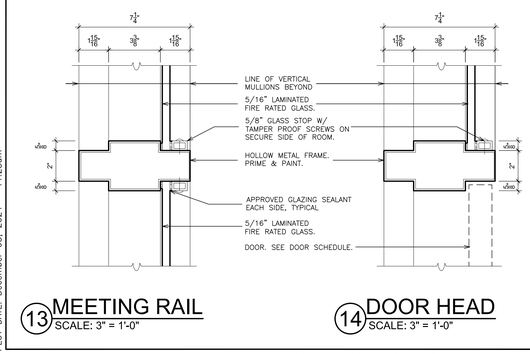


10 DOOR HEAD
SCALE: 3" = 1'-0"



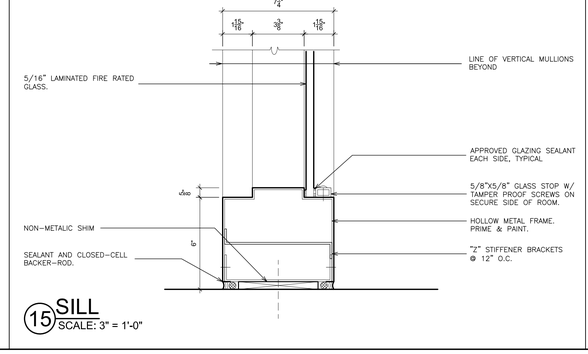
11 DOOR JAMB
SCALE: 3" = 1'-0"

12 DOOR HEAD
SCALE: 3" = 1'-0"

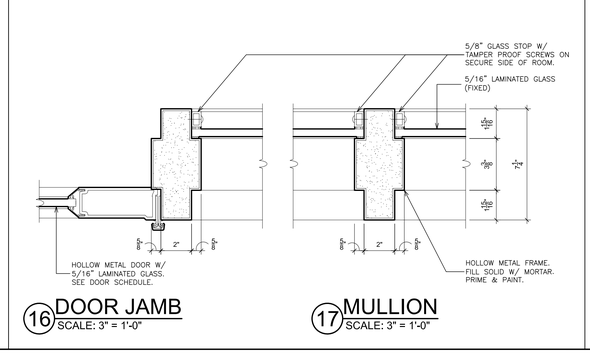


13 MEETING RAIL
SCALE: 3" = 1'-0"

14 DOOR HEAD
SCALE: 3" = 1'-0"

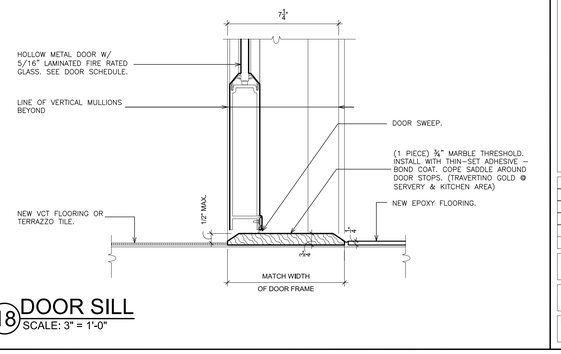


15 SILL
SCALE: 3" = 1'-0"



16 DOOR JAMB
SCALE: 3" = 1'-0"

17 MULLION
SCALE: 3" = 1'-0"



18 DOOR SILL
SCALE: 3" = 1'-0"

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION & INTERIOR RENOVATIONS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

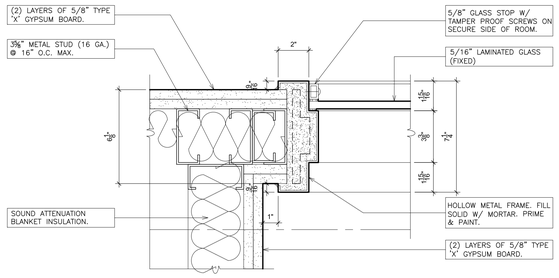
DRAWING TITLE
DOOR TYPES, FRAME TYPES & DOOR DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

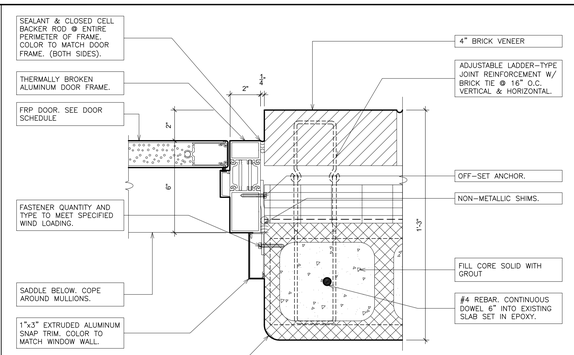
SHEET SIZE 30"x42"
DRAWING NO. CVS A701
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 11:28am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A700.dwg

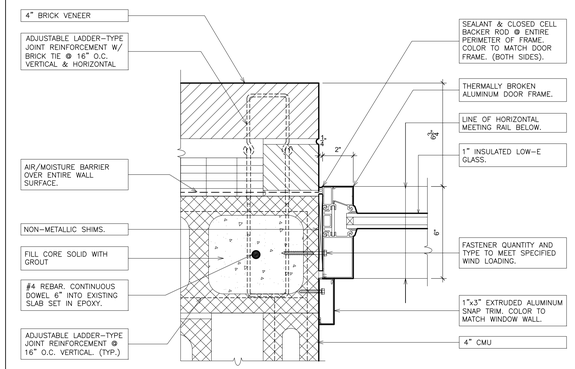


19 DOOR JAMB
SCALE: 3" = 1'-0"



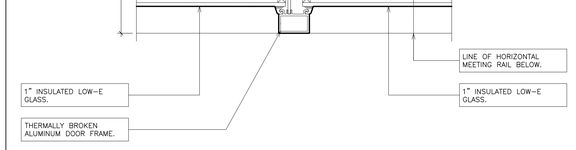
23 DOOR JAMB
SCALE: 3" = 1'-0"

NOTE: TAP & DIE FASTENERS ONLY. ZIP SCREWS ARE NOT ACCEPTABLE.



27 JAMB (fixed)
SCALE: 3" = 1'-0"

NOTE: TAP & DIE FASTENERS ONLY. ZIP SCREWS ARE NOT ACCEPTABLE.



31 MULLION (fixed / fixed)
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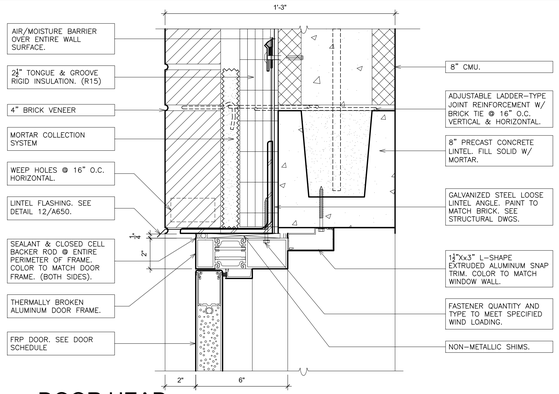
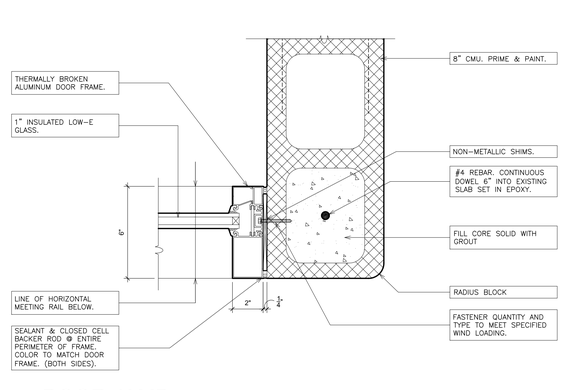


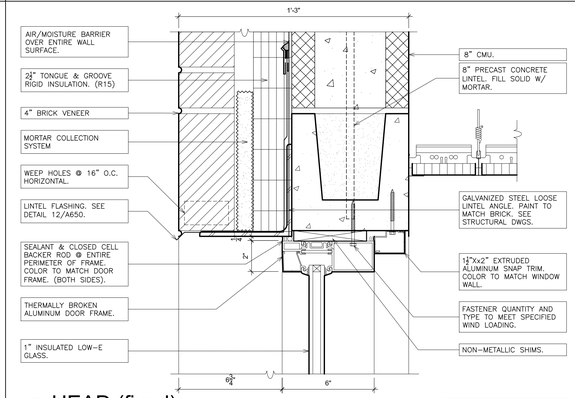
20 DOOR HEAD
SCALE: 3" = 1'-0"

NOTE: TAP & DIE FASTENERS ONLY. ZIP SCREWS ARE NOT ACCEPTABLE.



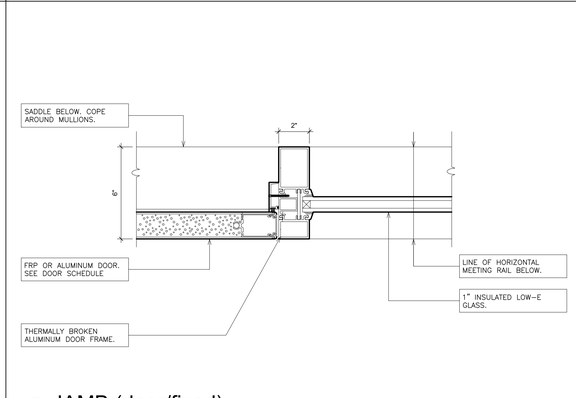
24 DOOR JAMB
SCALE: 3" = 1'-0"

NOTE: TAP & DIE FASTENERS ONLY. ZIP SCREWS ARE NOT ACCEPTABLE.

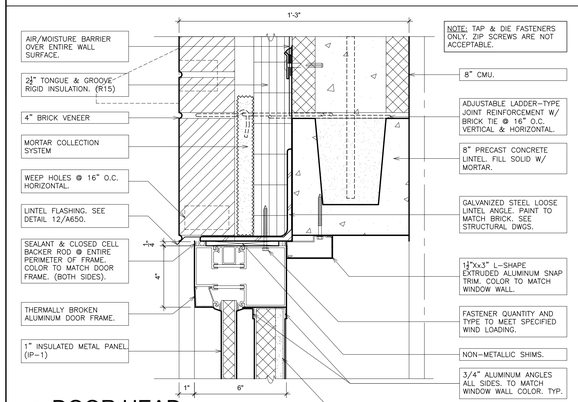


28 HEAD (fixed)
SCALE: 3" = 1'-0"

NOTE: TAP & DIE FASTENERS ONLY. ZIP SCREWS ARE NOT ACCEPTABLE.

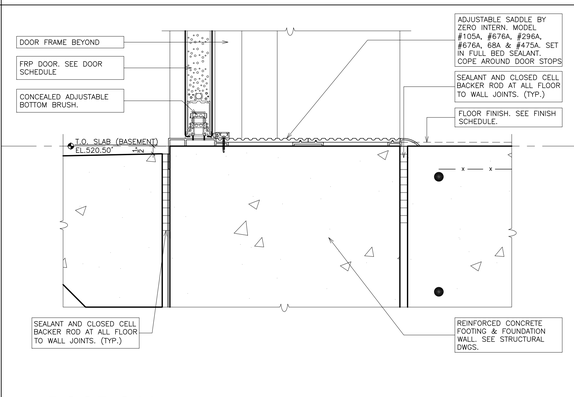


32 JAMB (door/fixed)
SCALE: 3" = 1'-0"

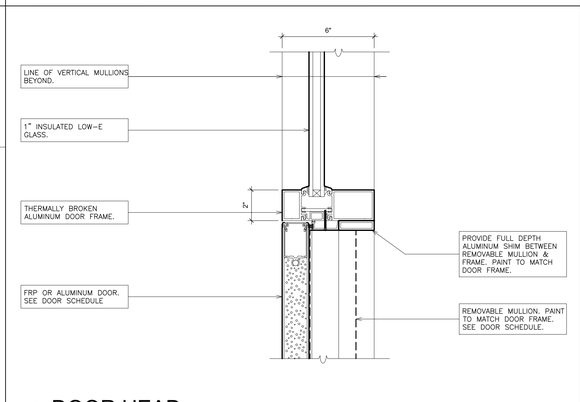


21 DOOR HEAD
SCALE: 3" = 1'-0"

NOTE: TAP & DIE FASTENERS ONLY. ZIP SCREWS ARE NOT ACCEPTABLE.

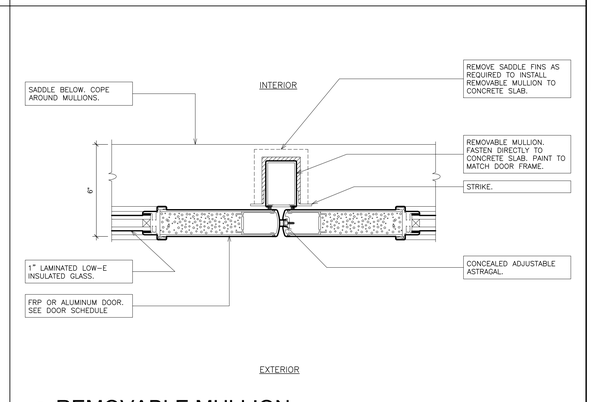


25 DOOR SILL
SCALE: 3" = 1'-0"

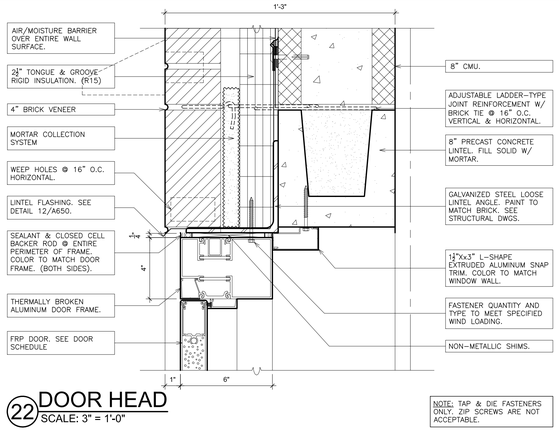


29 DOOR HEAD
SCALE: 3" = 1'-0"

NOTE: TAP & DIE FASTENERS ONLY. ZIP SCREWS ARE NOT ACCEPTABLE.

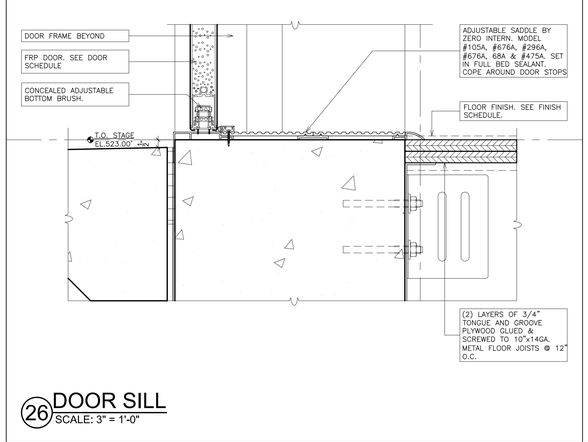


33 REMOVABLE MULLION
SCALE: 3" = 1'-0"

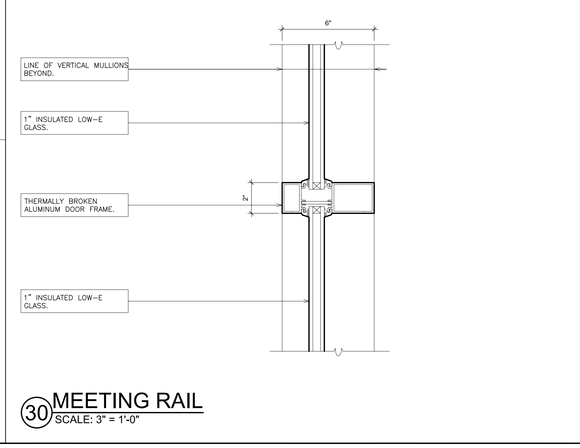


22 DOOR HEAD
SCALE: 3" = 1'-0"

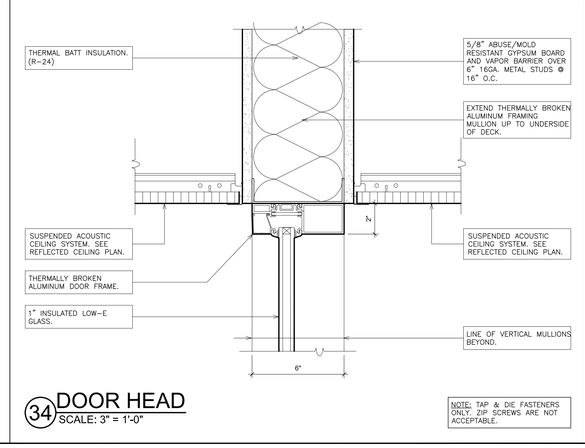
NOTE: TAP & DIE FASTENERS ONLY. ZIP SCREWS ARE NOT ACCEPTABLE.



26 DOOR SILL
SCALE: 3" = 1'-0"



30 MEETING RAIL
SCALE: 3" = 1'-0"



34 DOOR HEAD
SCALE: 3" = 1'-0"

NOTE: TAP & DIE FASTENERS ONLY. ZIP SCREWS ARE NOT ACCEPTABLE.

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION INTERIOR RENOVATIONS & ATHLETIC FIELD
20 FARM TO MARKET ROAD BREWSTER, NY 10509

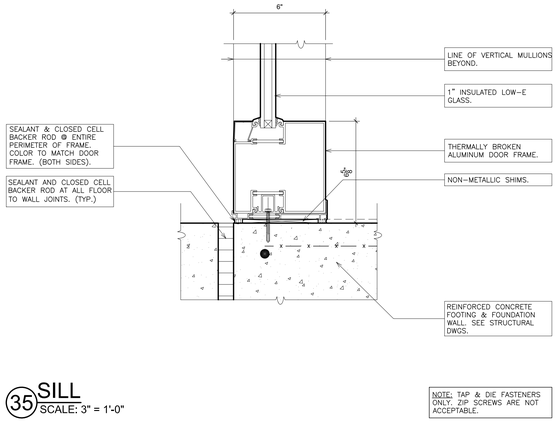
DRAWING TITLE
DOOR DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A702
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

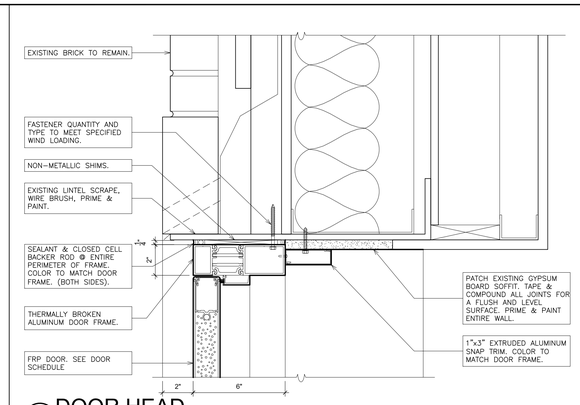
PLOT DATE: December 05, 2024 - 11:29am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A700.dwg

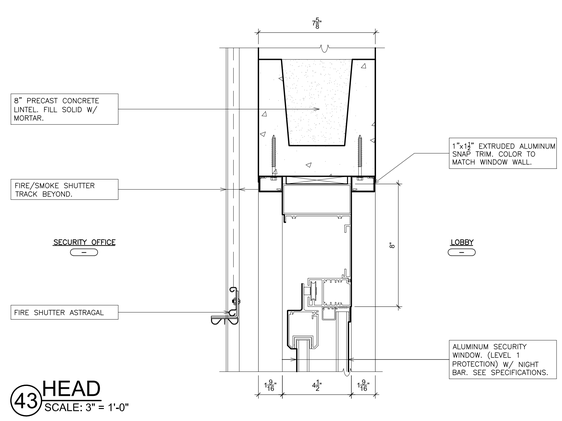


35 SILL
SCALE: 3" = 1'-0"

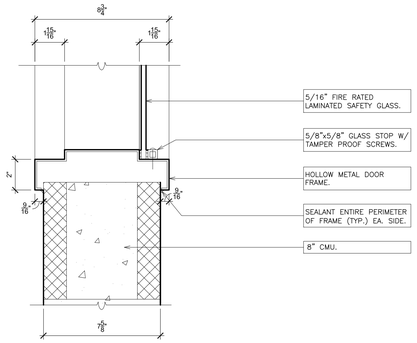
NOTE: TAP & DIE FASTENERS ONLY. ZIP SCREWS ARE NOT ACCEPTABLE.



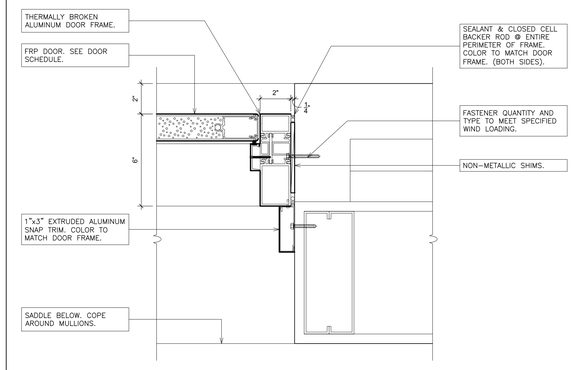
40 DOOR HEAD
SCALE: 3" = 1'-0"



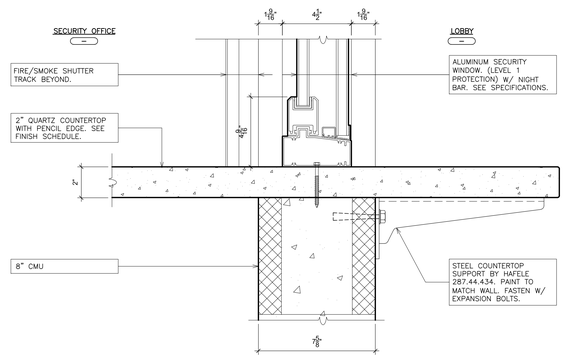
43 HEAD
SCALE: 3" = 1'-0"



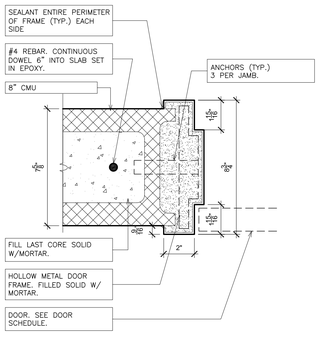
36 VISION PANEL SILL
SCALE: 3" = 1'-0"



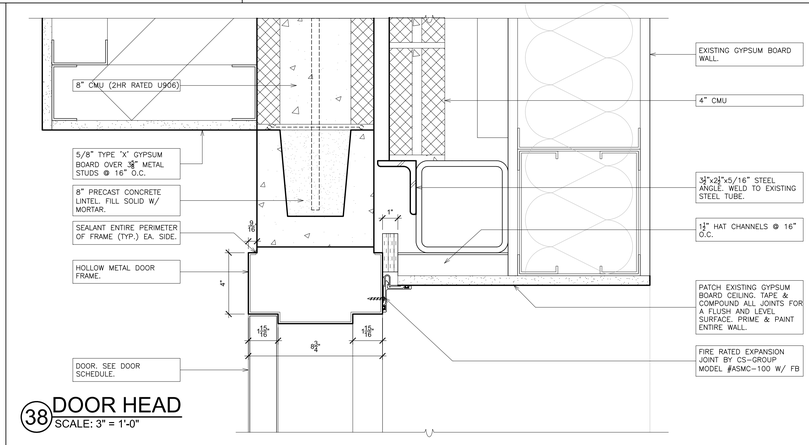
41 DOOR JAMB
SCALE: 3" = 1'-0"



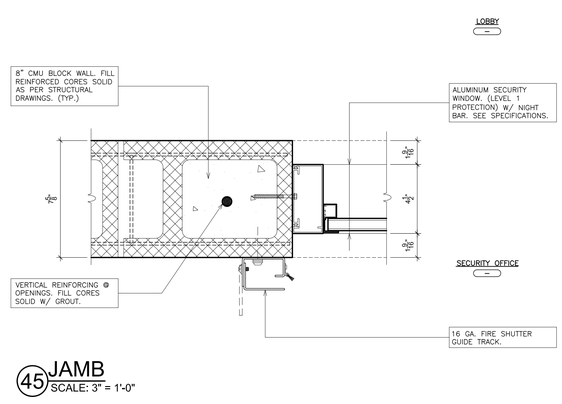
44 SILL
SCALE: 3" = 1'-0"



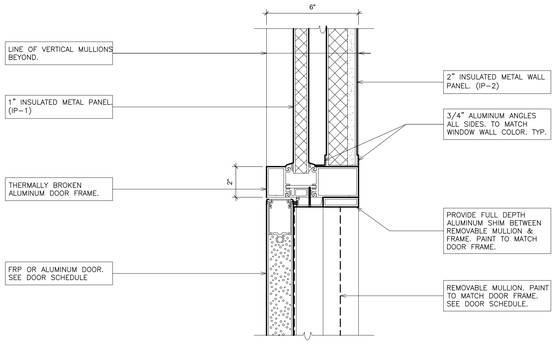
37 DOOR JAMB
SCALE: 3" = 1'-0"



38 DOOR HEAD
SCALE: 3" = 1'-0"

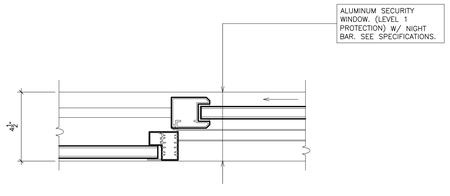


45 JAMB
SCALE: 3" = 1'-0"



39 DOOR HEAD
SCALE: 3" = 1'-0"

NOTE: TAP & DIE FASTENERS ONLY. ZIP SCREWS ARE NOT ACCEPTABLE.



42 MULLION (fixed / slide open)
SCALE: 3" = 1'-0"

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION/INTERIOR RENOVATIONS & ATHLETIC FIELD WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
DOOR DETAILS

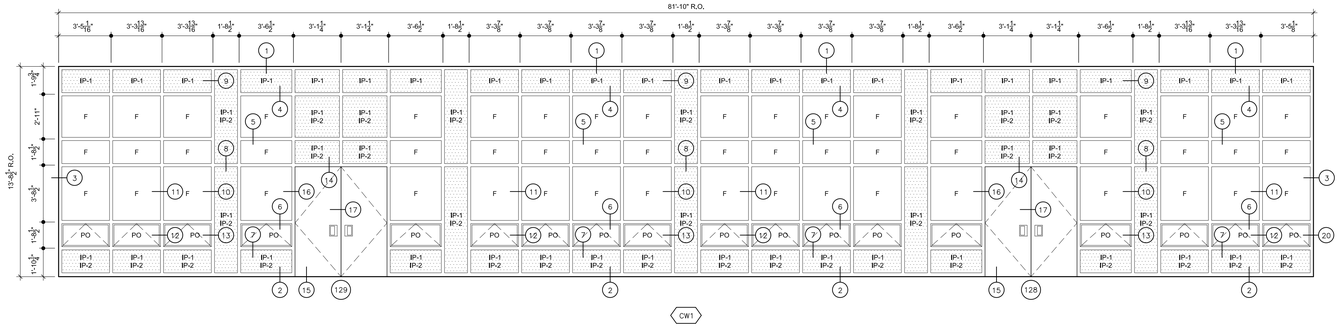
DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

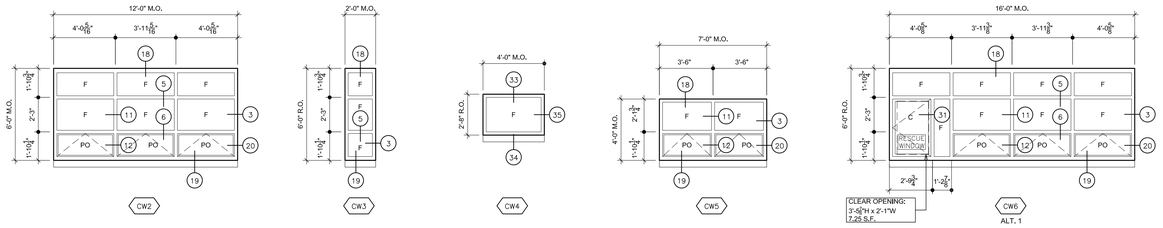
SHEET SIZE 30"x42"
DRAWING NO. CVS A703
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

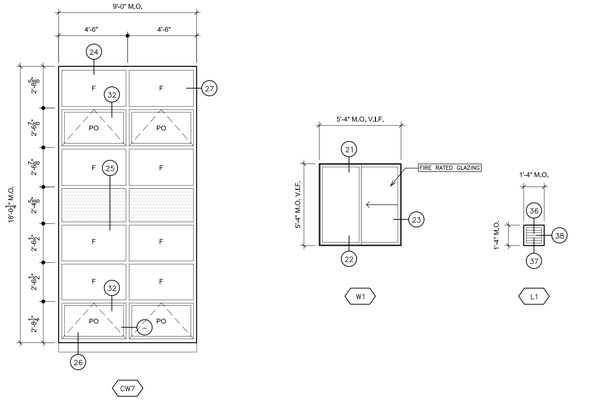
PLOT DATE: December 05, 2024 - 11:29am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A700.dwg

WINDOW TYPES - CAFETORIUM SCALE: 1/4"=1'-0"





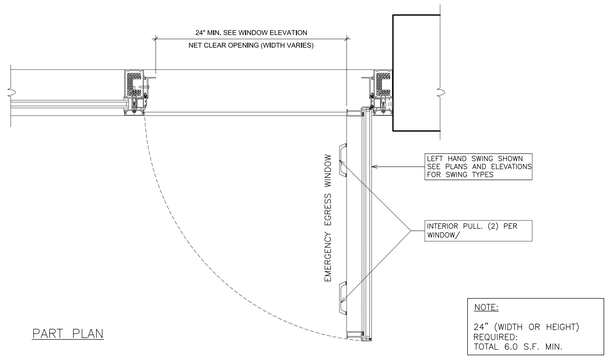


WINDOW LEGEND

F.	FIXED WINDOW
PO.	PROJECT-OUT WINDOWS
C	CASEMENT WINDOW
IP.	INSULATED METAL PANEL
#	DETAIL KEY

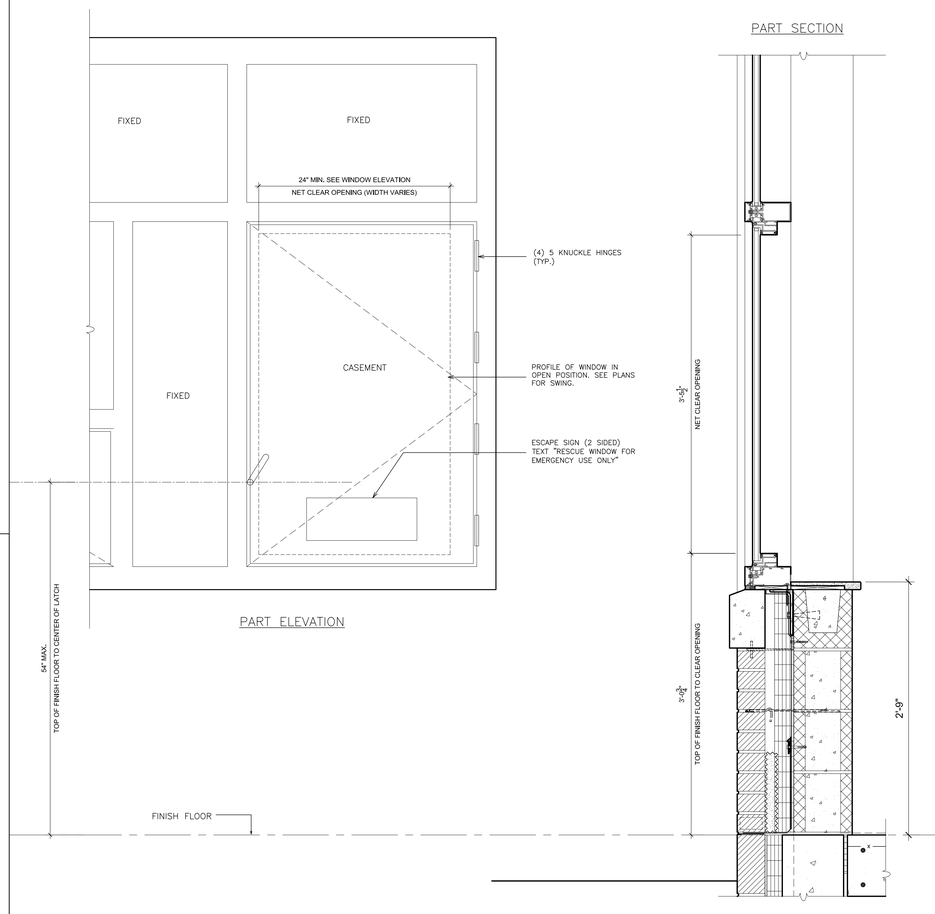
WINDOW SCHEDULE

LINE No.	WINDOW DESIGNATION	MASONRY/ ROUGH OPENING WIDTH	MASONRY/ ROUGH OPENING HEIGHT	GLASS TYPE	MATERIAL	WINDOW TREATMENT	REMARKS
1	CW1	81'-10"	13'-8½"	1" INSULATED LOW-E GLASS & 1"&2 INSULATED METAL PANEL	ALUMINUM	ROLLER SHADES	WINDOW TREATMENT (1 PER BAY)
2	CW2	12'-0"	6'-0"	1" INSULATED LOW-E GLASS	ALUMINUM	ROLLER SHADES ONLY IN OFFICE	WINDOW TREATMENT (1 PER BAY)
3	CW3	2'-0"	6'-0"	1" INSULATED LOW-E GLASS	ALUMINUM		
4	CW4	4'-0"	2'-8"	1" INSULATED LOW-E GLASS	ALUMINUM	ROLLER SHADES	WINDOW TREATMENT (1 PER BAY)
5	CW5	7'-0"	4'-0"	1" INSULATED LOW-E GLASS	ALUMINUM	ROLLER SHADES	WINDOW TREATMENT (1 PER BAY)
6	CW6	16'-0"	6'-0"	1" INSULATED LOW-E GLASS	ALUMINUM	ROLLER SHADES	WINDOW TREATMENT (1 PER BAY)
7	CW7	18'-0⅛"	9'-0"	1" INSULATED LOW-E GLASS	ALUMINUM	ROLLER SHADES	WINDOW TREATMENT (1 PER BAY)
8							
9	W1	5'-4" V.I.F.	5'-4" V.I.F.	1" FIRE RATED GLAZING	ALUMINUM	ROLLER SHADES	WINDOW TREATMENT (1 PER BAY)
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							



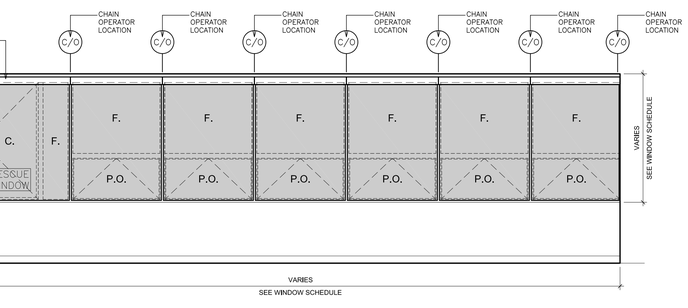
PART PLAN

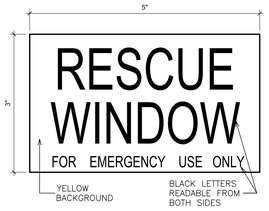
NOTE:
24" (WIDTH OR HEIGHT) REQUIRED:
TOTAL 6.0 S.F. MIN.



PART ELEVATION

PART SECTION





3 TYPICAL CLASSROOM ELEVATION - WINDOW TREATMENT
SCALE: 3/8" = 1'-0"

2 RESCUE WINDOW LABEL (RW)
N.T.S.

1 EXTERIOR ELEVATION- TYPICAL RESCUE WINDOW
SCALE: 1 1/2" = 1'-0"

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
WESTCHESTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION/INTERIOR RENOVATIONS & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

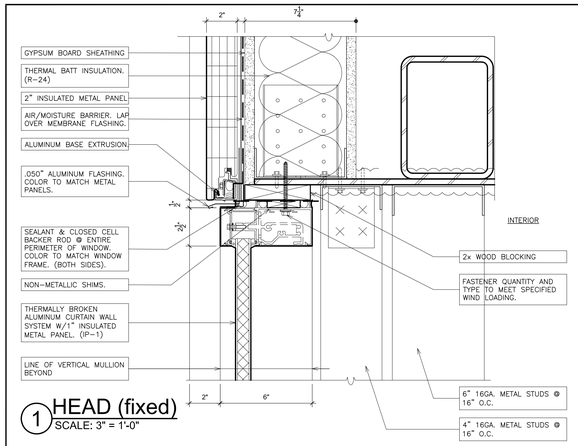
DRAWING TITLE
WINDOW SCHEDULE & WINDOW TYPES

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

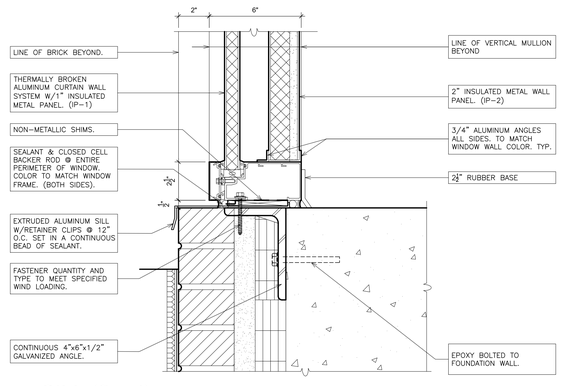
SHEET SIZE 30"x42"
DRAWING NO. CVS A725
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 11:12am

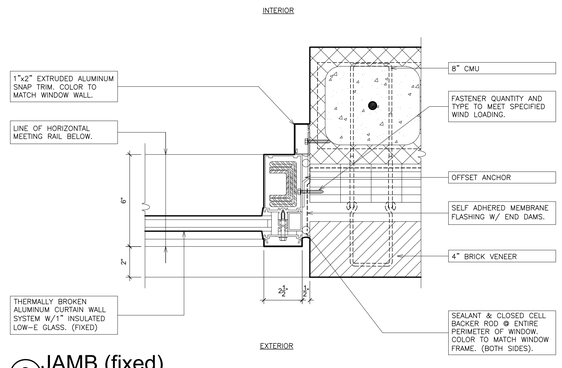
FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A725-.dwg



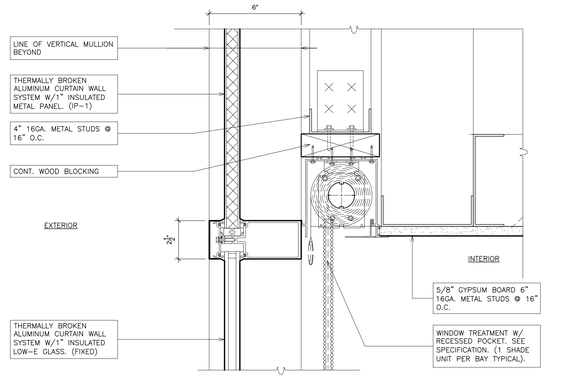
1 HEAD (fixed)
SCALE: 3" = 1'-0"



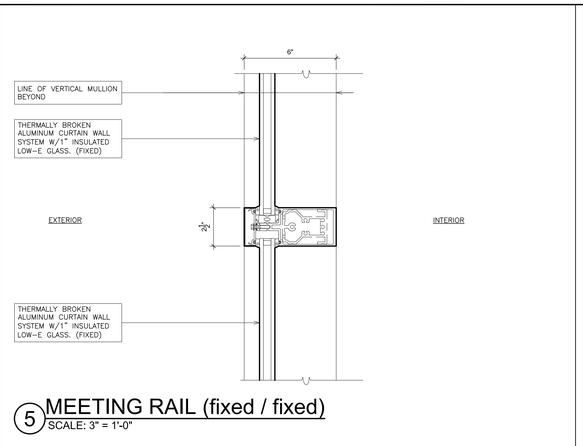
2 SILL (fixed)
SCALE: 3" = 1'-0"



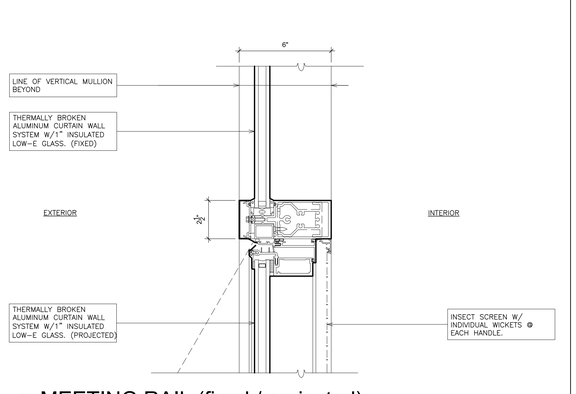
3 JAMB (fixed)
SCALE: 3" = 1'-0"



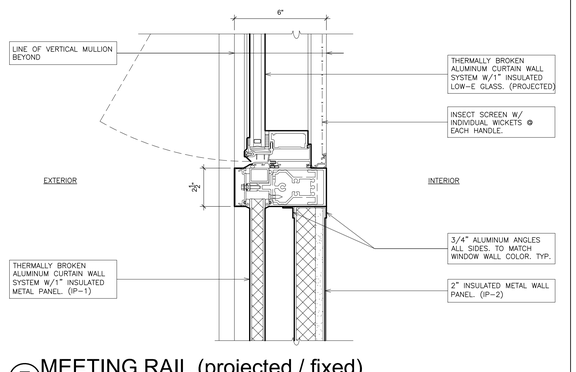
4 MEETING RAIL (fixed / fixed)
SCALE: 3" = 1'-0"



5 MEETING RAIL (fixed / fixed)
SCALE: 3" = 1'-0"



6 MEETING RAIL (fixed / projected)
SCALE: 3" = 1'-0"



7 MEETING RAIL (projected / fixed)
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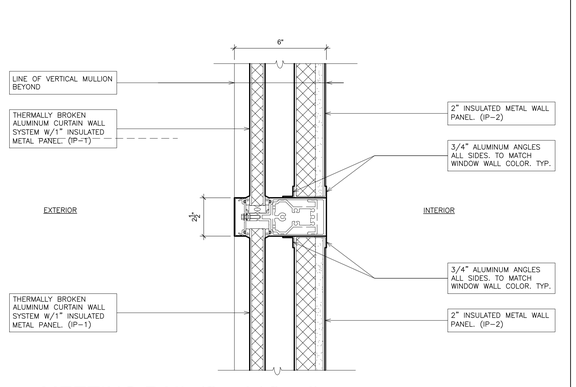
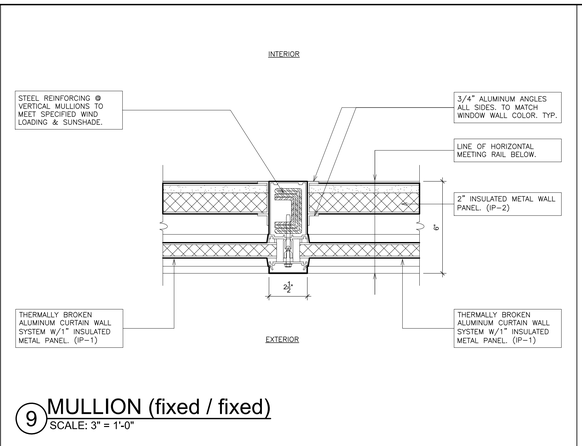
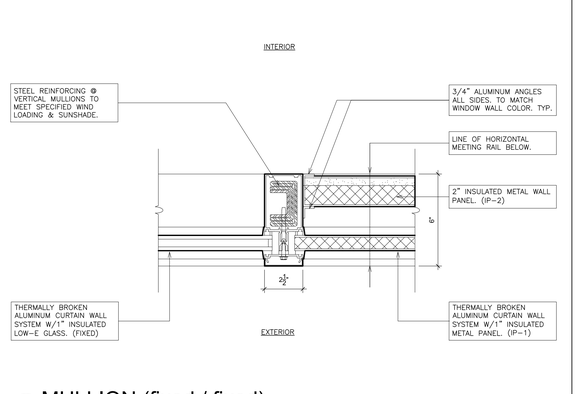


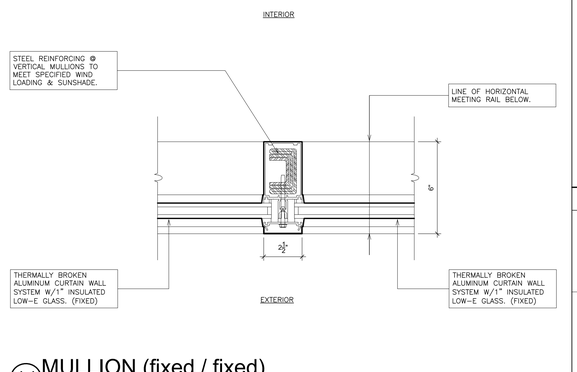
8 MEETING RAIL (fixed / fixed)
SCALE: 3" = 1'-0"



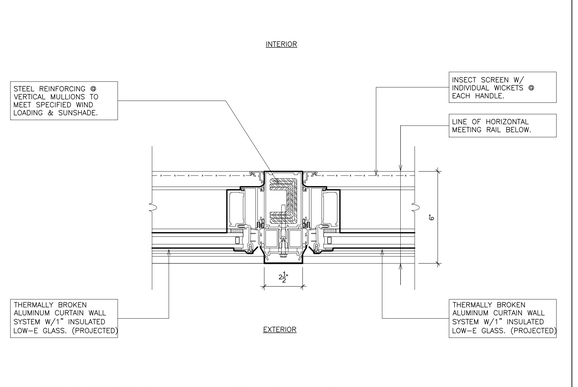
9 MULLION (fixed / fixed)
SCALE: 3" = 1'-0"



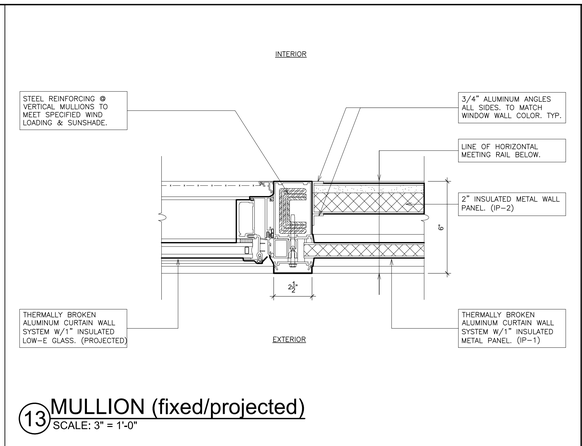
10 MULLION (fixed / fixed)
SCALE: 3" = 1'-0"



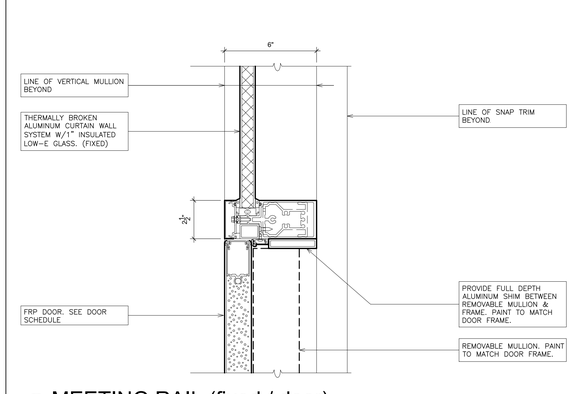
11 MULLION (fixed / fixed)
SCALE: 3" = 1'-0"



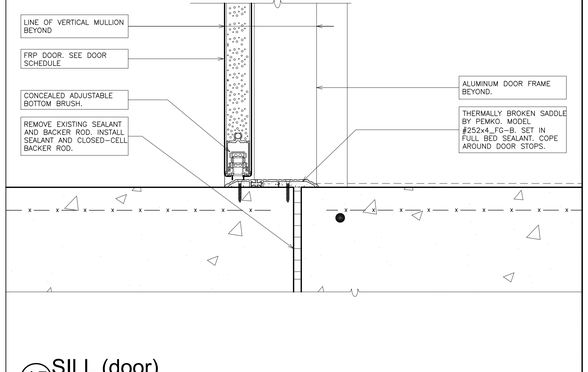
12 MULLION (projected/projected)
SCALE: 3" = 1'-0"



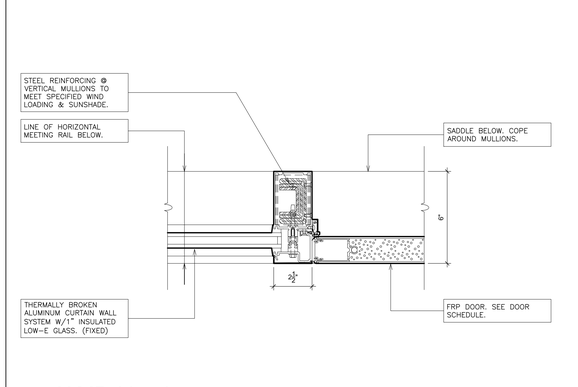
13 MULLION (fixed/projected)
SCALE: 3" = 1'-0"



14 MEETING RAIL (fixed / door)
SCALE: 3" = 1'-0"



15 SILL (door)
SCALE: 3" = 1'-0"



16 JAMB (door)
SCALE: 3" = 1'-0"

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EMAIL: FULLERDANGELO@AOL.COM

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION INTERIOR
RENOVATIONS & EXTERIOR WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
WINDOW DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A726
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 11:12am

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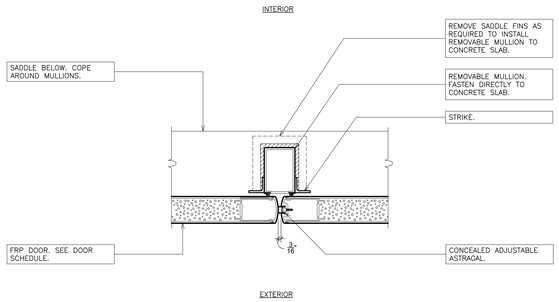

17 REMOVABLE MULLION
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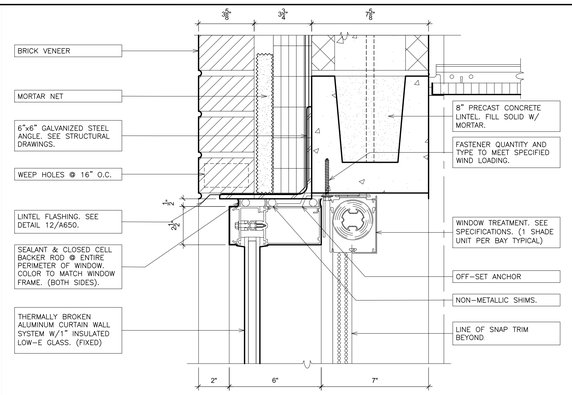
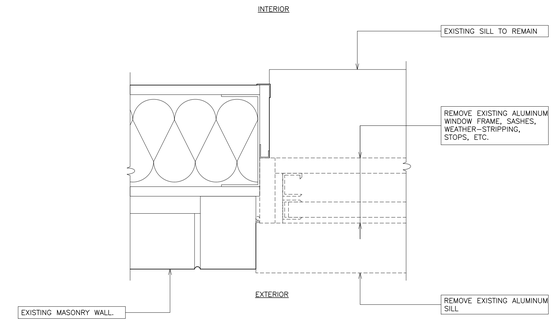


18 HEAD (fixed)
SCALE: 3" = 1'-0"



23 REMOVAL JAMB
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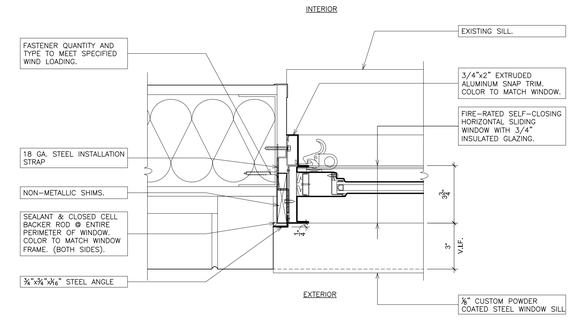

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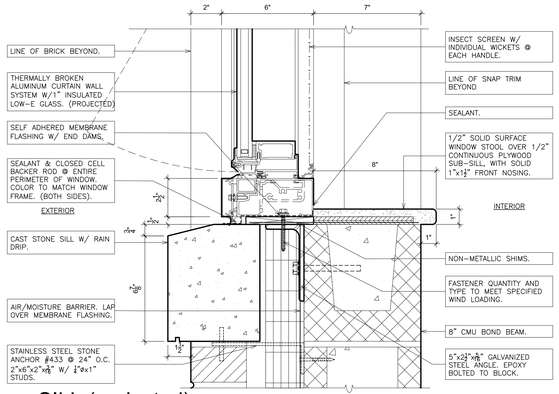
SCALE: 3" = 1'-0"



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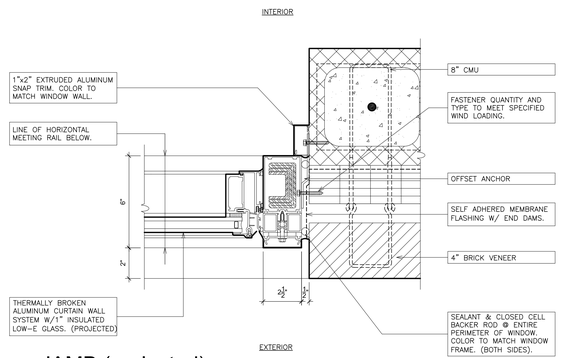

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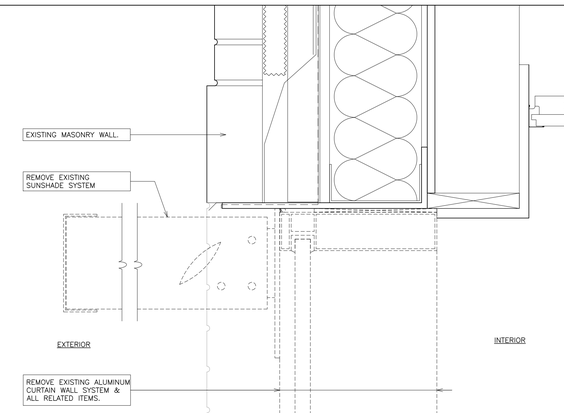

24 REMOVAL HEAD
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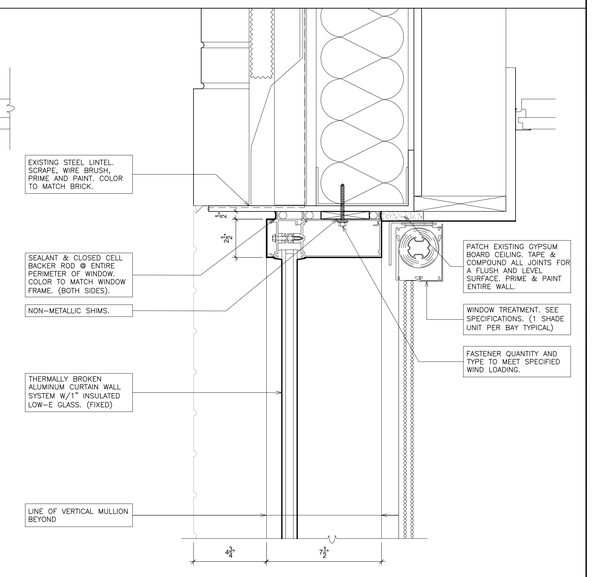

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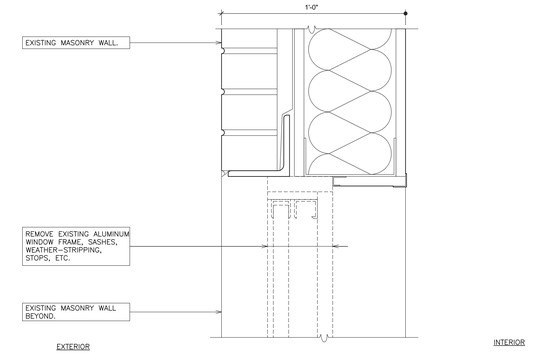

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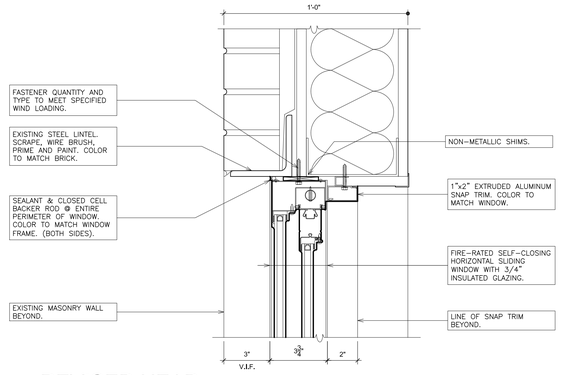

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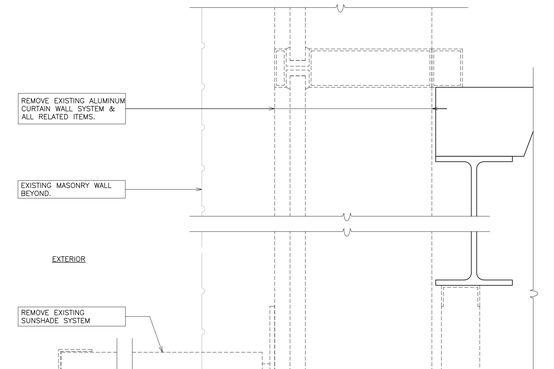
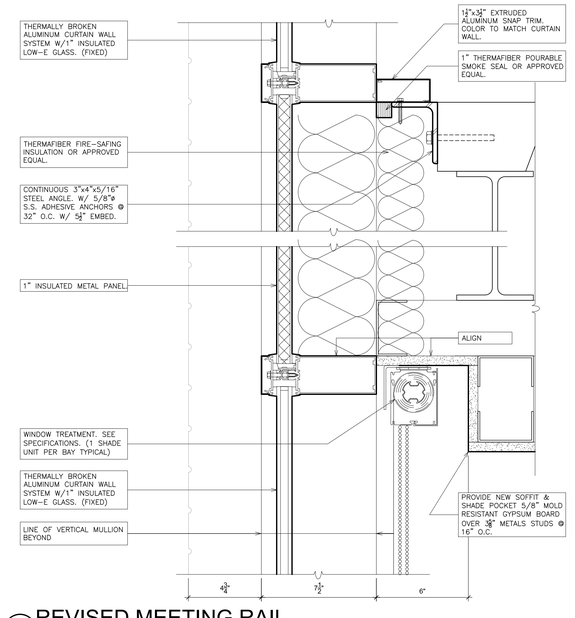
SCALE: 3" = 1'-0"



25 REMOVAL MEETING RAIL
SCALE: 3" = 1'-0"



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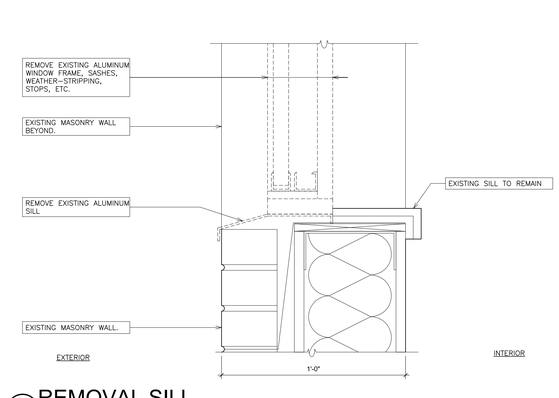
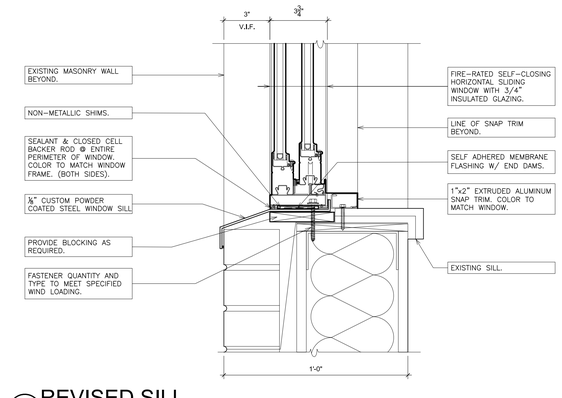


22 REMOVAL SILL
SCALE: 3" = 1'-0"



22 REVISED SILL
SCALE: 3" = 1'-0"

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION & INTERIOR RENOVATIONS AS ALTERNATE NO. 1
20 FARM TO MARKET ROAD BREWSTER, NY 10509

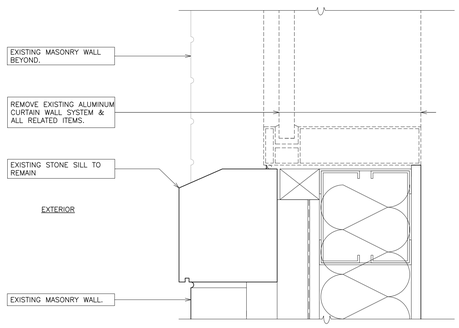
DRAWING TITLE
WINDOW DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

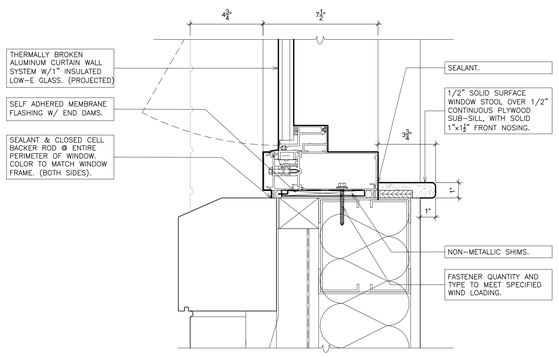
SHEET SIZE 30"x42"
DRAWING NO. CVS A727
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 11:12am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A725-.dwg



26 REMOVAL SILL
SCALE: 3" = 1'-0"



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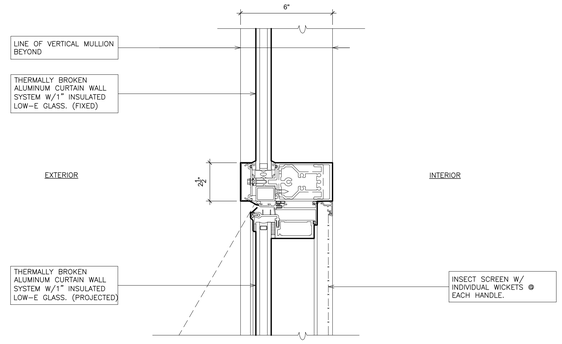
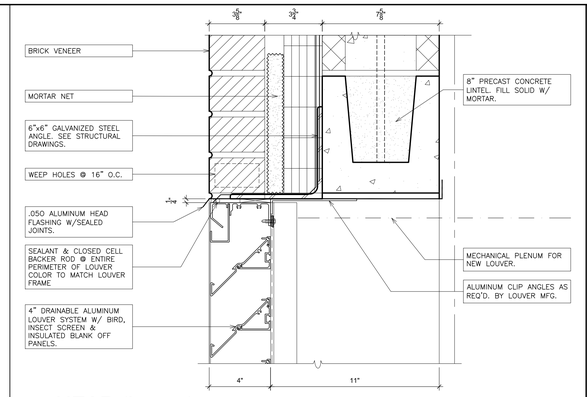
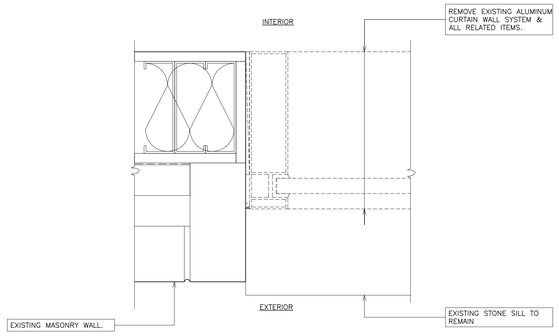


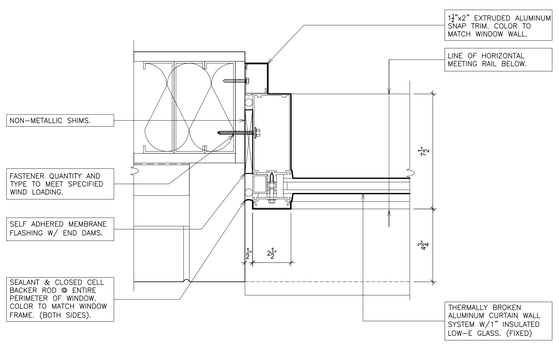
32 MEETING RAIL (fixed / projected)
SCALE: 3" = 1'-0"



36 HEAD (louver)
SCALE: 3" = 1'-0"



27 REMOVAL JAMB
SCALE: 3" = 1'-0"



27 REVISED JAMB
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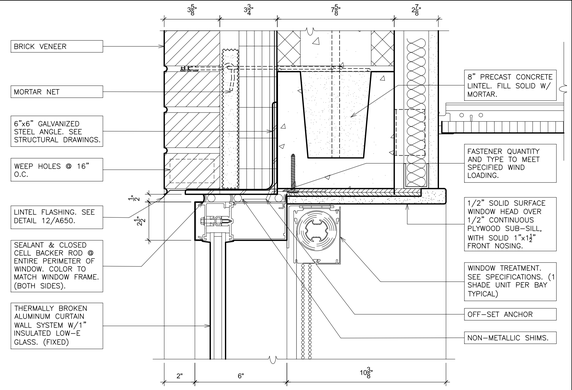
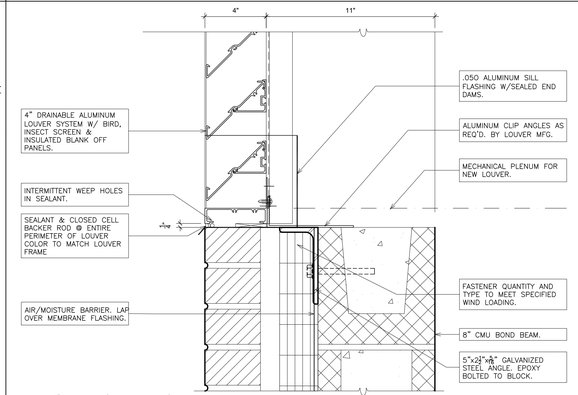
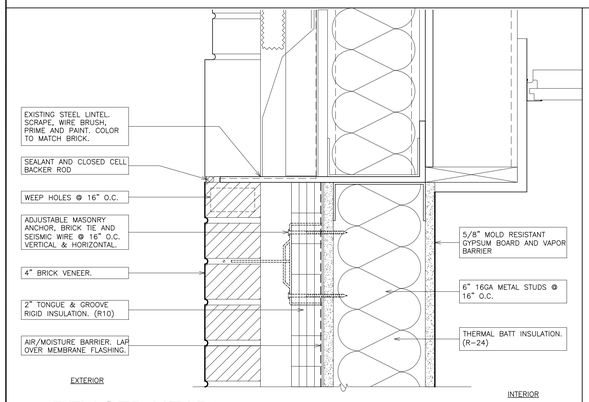


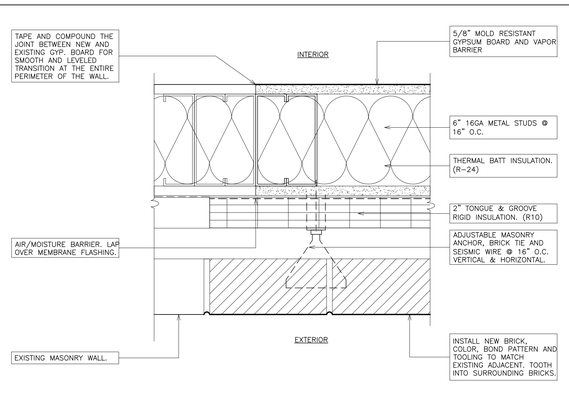
33 HEAD (fixed)
SCALE: 3" = 1'-0"



37 SILL (louver)
SCALE: 3" = 1'-0"



28 REVISED HEAD
SCALE: 3" = 1'-0"



30 REVISED JAMB
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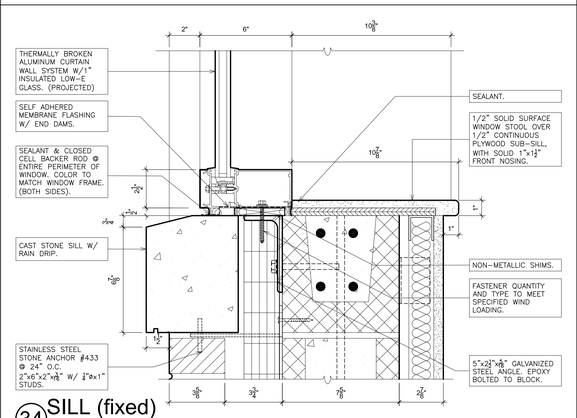

34 SILL (fixed)
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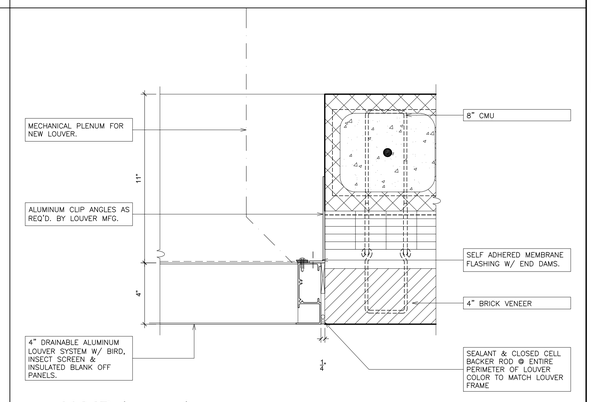

38 JAMB (louver)
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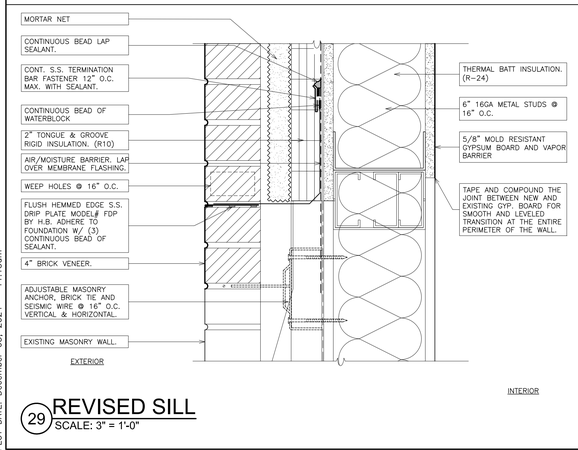

29 REVISED SILL
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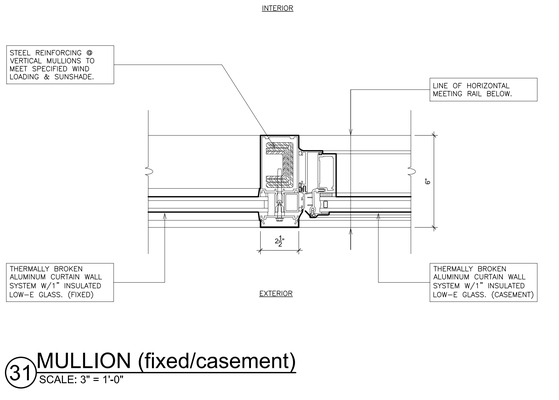

31 MULLION (fixed/casement)
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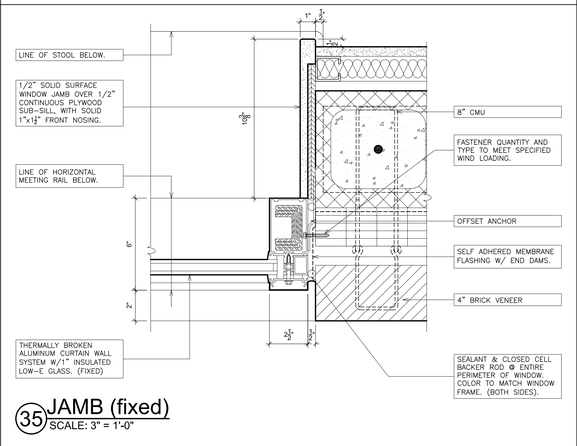

35 JAMB (fixed)
SCALE: 3" = 1'-0"

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WWW.FULLERANDDANGELO.COM

LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
PEEKSKILL CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION INTERIOR
RENOVATIONS & EXTERIOR WORK
25 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
WINDOW DETAILS

12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE 30"x42" | DRAWING NO. CVS A728
SCALE AS NOTED | FILE NO. 23505.02
DRAWN BY

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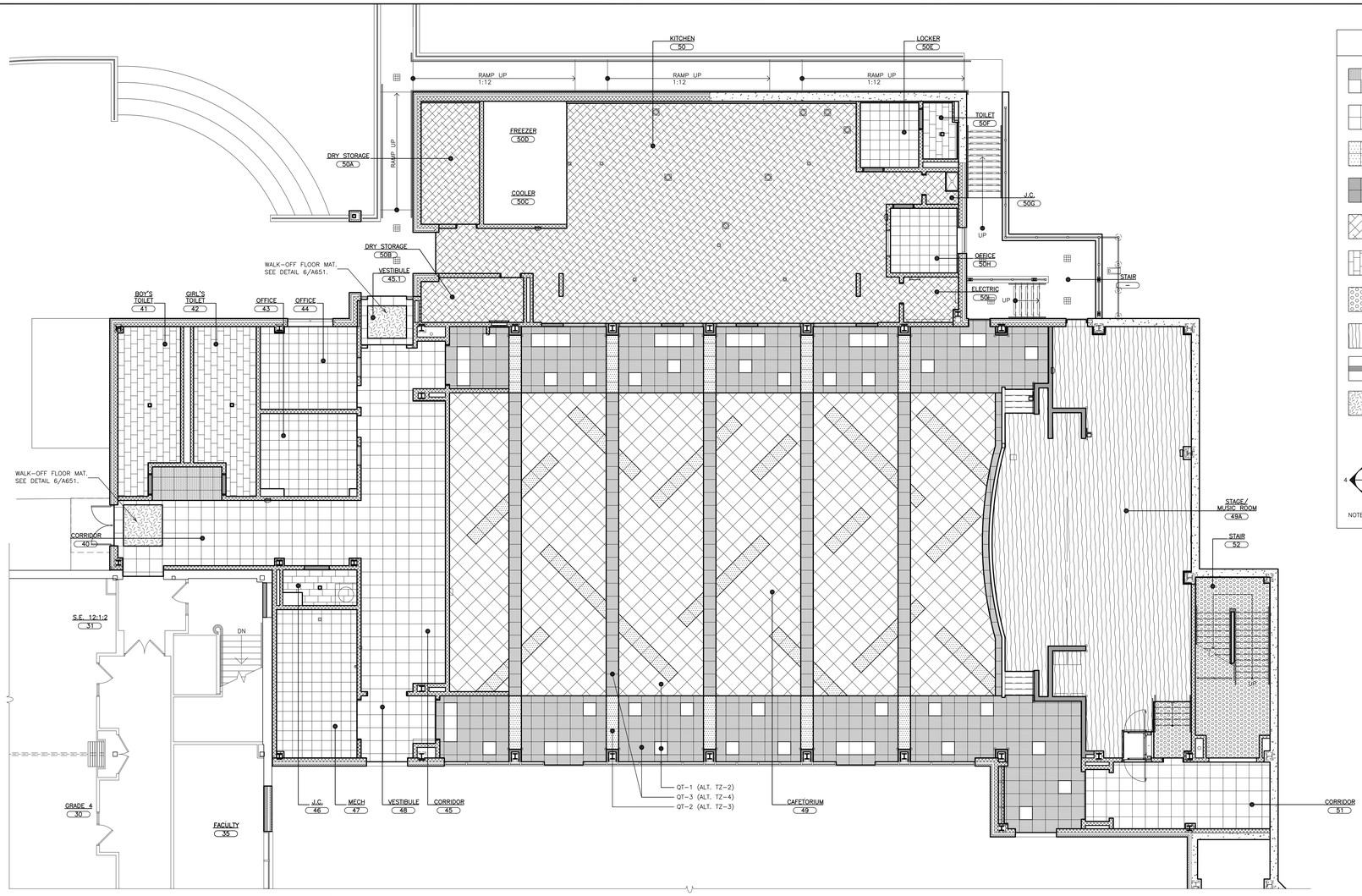
PLOT DATE: December 05, 2024 - 11:13am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A725-.dwg



1 GROUND FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

FLOOR FINISH LEGEND

- 18"x18" HOMOGENOUS VINYL TILE FLOORING. LAID IN CHECKER BOARD PATTERN. SEE FINISH SCHEDULE. (COLOR HVT-1 & HVT-2)
- 24"x24" HOMOGENOUS QUARTZ TILE FLOORING. SEE FINISH SCHEDULE. (BASE BID COLOR QT-1 & ALT. COLOR TZ-2)
- 24"x24" HOMOGENOUS QUARTZ ACCENT TILE FLOORING. SEE FINISH SCHEDULE. (BASE BID COLOR QT-2 & ALT. COLOR TZ-3)
- 24"x24" HOMOGENOUS QUARTZ ACCENT TILE FLOORING. SEE FINISH SCHEDULE. (BASE BID COLOR QT-3 & ALT. COLOR TZ-4)
- EPOXY FLOOR. SEE FINISH SCHEDULE.
- 12"x24" PORCELAIN FLOOR TILE (JOINTS @ 1/3 POINTS). SEE FINISH SCHEDULE.
- RUBBER FLOOR TILE. SEE FINISH SCHEDULE. (COLOR RST-1)
- ACOUSTICAL HOMOGENOUS SHEET FLOORING. SEE FINISH SCHEDULE.
- MARBLE SADDLE. SEE DOOR SEE DETAIL 8/A701.
- WALK-OFF FLOOR MAT. SEE DETAIL 6/A651.

WALL INDICATIONS ON FINISH SCHEDULE

NOTE: 1. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION

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LICENSE EXP. DATE: 03-31-2025

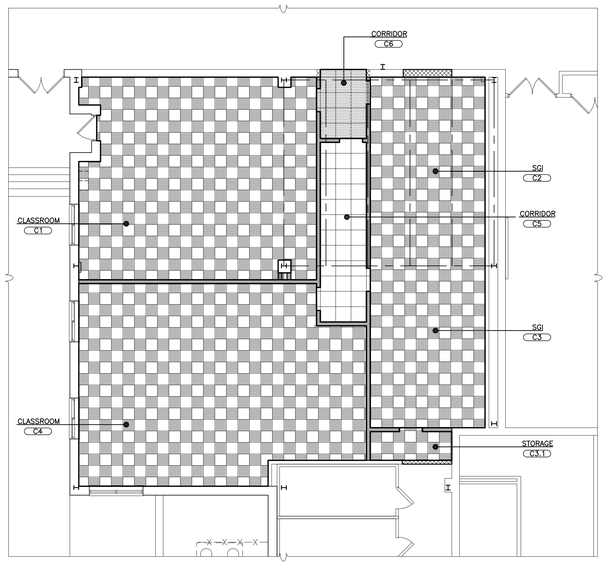
S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

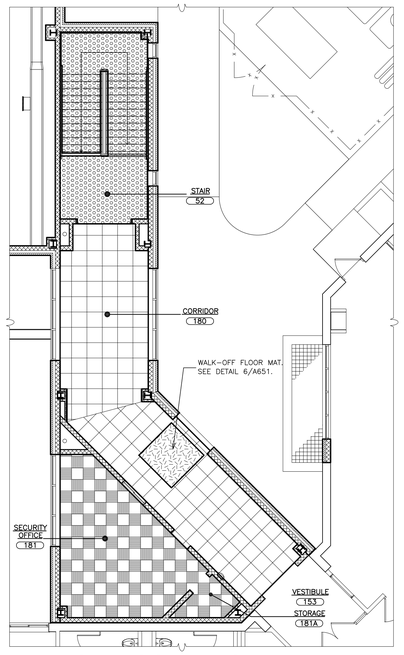
DRAWING TITLE
GROUND FLOOR & FIRST FLOOR FINISH PLANS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A800
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02



3 FIRST FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"



2 FIRST FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

PLOT DATE: December 05, 2024 - 11:37am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A800-825.dwg

FINISH SCHEDULE LEGEND

LEGEND	SIZE	MANUFACTURER	SERIES/MODEL NO./ COLOR	DESCRIPTION	LOCATION / REMARKS
P-1	–	SHERWIN WILLIAMS	SW7570 / EGRET WHITE	EGGSHELL PAINT	CLASSROOM & CORRIDORS
P-2	–	SHERWIN WILLIAMS	SW7757 / HIGH REFLECTIVE WHITE	FLAT PAINT	SOFFITS & CEILINGS
P-3	–	SHERWIN WILLIAMS	SW7026 / GRIFFIN	SEMI-GLOSS DOOR FRAMES	DOOR FRAMES
P-4	–	SHERWIN WILLIAMS	COLOR TO BE SELECTED BY ARCHITECT	FLOOR PAINT	FLOOR PAINT
P-5	–	SHERWIN WILLIAMS	SW7102 / WHITE FLOUR	EGGSHELL PAINT	CAFETERIA WALL PAINT
P-6	–	SHERWIN WILLIAMS	SW7102 / WHITE FLOUR	EPOXY WALL PAINT	KITCHEN
P-7	–	SHERWIN WILLIAMS	COLOR TO BE SELECTED BY ARCHITECT	CEILING DRY FALL PAINT	CAFETORIUM
P-8	–	SHERWIN WILLIAMS	SW0041 / DARD HUNTER GREEN	SEMI-GLOSS DOOR FRAMES	DOOR FRAMES BETWEEN NEW & OLD BLDG.
P-9	–	SHERWIN WILLIAMS	SW7026 / GRIFFIN	SEMI-GLOSS	STAIR GUARDRAILS
ACT-1	2'x4'x⅝"	ARMSTRONG	ULTIMA HIGH NRC / 1943	ACOUSTICAL CEILING TILE	CLASSROOMS, CORRIDOR, OFFICE & TOILET
ACT-2	2'x2'x1"	ARMSTRONG	CALLA HEALTH ZONE / 2230	ACOUSTICAL CEILING TILE	KITCHEN & SERVING
ACT-3	8" DIAM.	ARMSTRONG	C6VES0808CSSS / CALLA / 2820MSS (SANDSTONE)	ACOUSTICAL CEILING CLOUDS	CAFETORIUM
ACT-4	8" DIAM.	ARMSTRONG	C6VES0808CSOT / CALLA / 2820SOT (OAT)	ACOUSTICAL CEILING CLOUDS	CAFETORIUM
ACT-5	8" DIAM.	ARMSTRONG	C6VES0808CSRS / CALLA / 2820MRS (RAINSTORM)	ACOUSTICAL CEILING CLOUDS	CAFETORIUM
ACT-6	8" DIAM.	ARMSTRONG	C6VES0808CSBW / CALLA / 2820MBW (BOXWOOD)	ACOUSTICAL CEILING CLOUDS	CAFETORIUM
EPOXY-1	6" HIGH BASE	PALMA INC.	NOVALAC 185 / PEWTER	EPOXY FLOOR PAINT W/ 6" HIGH BASE	KITCHEN & SERVING
GLT-1	6"x18"	DALTILE	BISCUIT K175	GLAZED CERAMIC WALL TILE	TOILET WALLS
GLT-2	3"x6"	DALTILE	BISCUIT K175	GLAZED COVE BASE	TOILET WALLS
GLT-3	6"x6"	DALTILE	BISCUIT K175	GLAZED BULLNOSE	TOILET WALLS
GLT-4	3"x6"	DALTILE	BISCUIT K175	GLAZED CERAMIC WALL TILE	TOILETS ACCENT
GLT-5	3"x6"	DALTILE	BISCUIT K175	GLAZED BULLNOSE	TOILETS ACCENT
GLT-6	3"x6"	DALTILE	EMERALD 0115	GLAZED CERAMIC WALL TILE	TOILETS ACCENT
GLT-7	3"x6"	DALTILE	EMERALD 0115	GLAZED BULLNOSE	TOILETS ACCENT
GLT-8	3"x6"	DALTILE	BLACK K111	GLAZED CERAMIC WALL TILE	TOILETS ACCENT
GLT-9	3"x6"	DALTILE	BLACK K111	GLAZED BULLNOSE	TOILETS ACCENT
CT-1	12"x24"	FLORIDATILE	CANAL STREET / CST40 SPANISH CLAY	PORCELAIN FLOOR TILE	TOILET FLOORS FIELD / JOINTS @ 1/3 POINTS OF TILE
GROUT-1	–	MAPEI	ULTRACOLOR PLUS FA / 06 HARVEST	WALL GROUT	WALL TILE
GROUT-2	–	MAPEI	ULTRACOLOR PLUS FA / 02 PEWTER	FLOOR GROUT	FLOOR TILE
WOM-1	24"x24"	MOHAWK	FIRST STEP II / GT315 / COBALT	WALK-OFF MAT	VESTIBULES
SCH-1	–	SCHLUTER	DECO-E / 10-E100D / BRUSHED STAINLESS STEEL	FLOOR TRANSITION	FLOOR TRIM BETWEEN WALK-OFF MAT & TILE
SCH-2	2.5mm	SCHLUTER	DILEX-EKSB-25-G-V4A	MOVEMENT JOINT	FLOORING MOVEMENT JOINT CAFETERIA
SCH-3	–	SCHLUTER	RENO-U / EBU 80 / BRUSHED STAINLESS STEEL	FLOOR TRANSITION	TRANSITION TERRAZZO TO VCT
SCH-4	8mm	SCHLUTER	DILEX-EAKSW-80-G-V4A	MOVEMENT JOINT	FLOORING MOVEMENT JOINT CAFETERIA ALT. GC-4
QT-1	24"x24"	KAHRS	QUARTZ / 8322 NUDE LIMESTONE	QUARTZ TILE	FIELD COLOR CAFETORIUM
QT-2	24"x24"	KAHRS	QUARTZ / 8366 GENTLE RHYOLITE	QUARTZ TILE	ACCENT COLOR CAFETORIUM
QT-3	24"x24"	KAHRS	QUARTZ / 8367 CHLORITE QUARTZ	QUARTZ TILE	ACCENT COLOR CAFETORIUM
TZ-1	24"x24"	NURAZZO	MARBLE LINE / M105 IVORY BLACK	TERRAZZO FLOOR TILE	CORRIDORS
TZ-2	24"x24"	NURAZZO	MARBLE LINE / M110 SEA SHELL	TERRAZZO FLOOR TILE	ALTERNATE GC-4 – FIELD COLOR CAFETORIUM
TZ-3	24"x24"	NURAZZO	DESIGNER'S CHOICE / DC388	TERRAZZO FLOOR TILE	ALTERNATE GC-4 – ACCENT COLOR CAFETORIUM
TZ-4	24"x24"	NURAZZO	DESIGNER'S CHOICE / DC450	TERRAZZO FLOOR TILE	ALTERNATE GC-4 – ACCENT COLOR CAFETORIUM
ACF-1	–	TARKETT	IQ GRANIT ACOUSTIC / 21142 321 DARK SAND	ACOUSTIC HOMOGENOUS VINYL SHEET	STAGE
HVT-1	18"x18"	TOLI	FASOLPLUS / PEBBLE 2061	HOMOGENOUS VINYL TILE	FIELD COLOR CLASSROOMS (CHECKERBOARD)
HVT-2	18"x18"	TOLI	FASOLPLUS / TAUPE 2062	HOMOGENOUS VINYL TILE	FIELD COLOR CLASSROOMS (CHECKERBOARD)
RB-1	4" HIGH	JOHNSONITE	TA8 WELSH CASTLE CB	RUBBER BASE	CLASSROOM & OFFICE
RB-2	4" HIGH	JOHNSONITE	TA8 WELSH CASTLE CB	RUBBER BASE	CORRIDORS
RB-3	4" HIGH	JOHNSONITE	TA8 WELSH CASTLE CB	RUBBER BASE	CAFETERIA
RB-4	4" HIGH	JOHNSONITE	58 WINDSOR BLUE	RUBBER BASE	STAIR
RB-5	4" HIGH	JOHNSONITE	179 / STEEL / WB	RUBBER BASE	STAGE FRONT
RB-6	2½" HIGH	JOHNSONITE	TA8 WELSH CASTLE CB	RUBBER BASE	CAFETERIA
RTS-1	–	JOHNSONITE	COLOR TO BE SELECTED BY ARCHITECT	RUBBER TRANSITION STRIPS	CAFETORIUM
RST-1	–	ROPPE	ONE PIECE TREAD & RISER HAMMERED / FIESTA / M411 FIEL	ONE PIECE RUBBER STAIR & TREAD	STAIR
RST-2	–	ROPPE	HAMMERED / FIESTA / M411 FIEL	RUBBER STAIR LANDINGS	STAIR
TOILET-1	–	SCRANTON PRODUCTS	SOLID PLASTIC / NICKLE / HAMMERED	TOILET PARTITION	TOILET PARTITIONS
CAB-1	–	WILSONART	BLOND ECHO / 7939K-18	CABINET LAMINATE	OFFICE
COT-1	–	CORIAN	ANTIQUE PEARL	QUARTZ COUNTERTOPS	OFFICE
EDGE-1	–	WILSONART	BLOND ECHO / 7939K-18	3MM PVC EDGE BANDING	OFFICE
GFB-1	8"x8"x16"	TRENWYTH INDUSTRIES	TRENDSTONE PLUS / RUTHERFORD GREY-B	FILLED & POLISHED GROUND FACED BLOCK	ALTERNATE GC-5 – DARK MASONRY UNIT – INTERIOR CORRIDORS
GFB-2	8"x8"x16"	TRENWYTH INDUSTRIES	TRENDSTONE PLUS / WILLIAMSBURG GREY-A	FILLED & POLISHED GROUND FACED BLOCK	ALTERNATE GC-5 – LIGHT MASONRY UNIT – INTERIOR CORRIDORS
WP-1	–	PSI PANEL SPECIALISTS	WILSONART / 7054-60 / WILD CHERRY	WALL PANEL LAMINATE	FRONT STAGE
WP-2	–	PSI PANEL SPECIALISTS	WILSONART / 7925-38 / MONTICELLO MAPLE	ACCENT WALL PANEL LAMINATE	FRONT STAGE
EDGE-1	–	WILSONART	7054-60 / WILD CHERRY	3 MM EDGE BANDING	WALL PANELS
EDGE-2	–	WILSONART	7925-38 / MONTICELLO MAPLE	3 MM EDGE BANDING	WALL PANELS

FINISH SCHEDULE

WALL INDICATIONS ON PLAN

BLDG.	LEVEL	LINE	DESIGNATION		FLOOR	BASE (MAT.)	WALL 1	WALL 2	WALL 3	WALL 4	CLG.	TRIM		CASEWORK			REMARKS
												DOORS	DOOR FRAMES	CABINETS	COUNTER TOPS	EDGING	
C. V. STARR	GROUND FLOOR	01	CORRIDOR	40	TZ-1 WMQ-1	RB-2	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	SCH-1 & SCH-3
		02	BOY'S TOILET	41	CT-1	GLT-2	GLT-1,3,4 5,6,7,8,9	GLT-1,3,4 5,6,7,8,9	GLT-1,3,4 5,6,7,8,9	GLT-1,3,4 5,6,7,8,9	ACT-1	–	P-3	–	–	–	SEE DETAILS 1&2/CVS-A651
		03	GIRL'S TOILET	42	CT-1	GLT-2	GLT-1,3,4 5,6,7,8,9	GLT-1,3,4 5,6,7,8,9	GLT-1,3,4 5,6,7,8,9	GLT-1,3,4 5,6,7,8,9	ACT-1	–	P-3	–	–	–	SEE DETAILS 1&2/CVS-A651
		04	OFFICE	43	HVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	
		05	OFFICE	44	HVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	
		06	CORRIDOR	45	TZ-1	RB-2	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	SCH-1 & SCH-3
		07	VESTIBULE	45.1	TZ-1 WMQ-1	RB-2	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	SCH-1 & SCH-3
		08	JANITOR'S CLOSET	46	CT-1	EPOXY-1	P-6	P-6	P-6	P-6	–	–	P-3	–	–	–	
		09	MECHANICAL	47	HVT-1	RB-1	P-1	P-1	P-1	P-1	–	–	P-3	–	–	–	
		10	VESTIBULE	48	TZ-1	RB-2	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	SCH-1 & SCH-3
		11	CAFETORIUM	49	QT-1,2,3	RB-3	P-5	P-5	P-5	P-5	ACT3,4,5,6 P-7	–	P-3	–	–	–	ALTERNATE FLOOR TZ-2,3&4
		12	STAGE/MUSIC	49A	ACF-1	RB-3	P-5	P-5	P-5	P-5	P-7	–	P-3	–	–	–	
		13	KITCHEN	50	EPOXY-1	EPOXY-1	P-6	P-6	P-6	P-6	ACT-2	–	P-3	–	–	–	
		14	DRY STORAGE	50A	EPOXY-1	EPOXY-1	P-6	P-6	P-6	P-6	–	–	P-3	–	–	–	
		15	DRY STORAGE	50B	EPOXY-1	EPOXY-1	P-6	P-6	P-6	P-6	–	–	P-3	–	–	–	
		16	LOCKER ROOM	50E	HVT-1	RB-1	P-5	P-5	P-5	P-5	ACT-1	–	P-3	–	–	–	
		17	TOILET	50F	CT-1	GLT-2	GLT-1,3	GLT-1,3	GLT-1,3	GLT-1,3	ACT-1	–	P-3	–	–	–	SEE DETAILS 1&2/CVS-A651
		18	JANITOR'S CLOSET	50G	CT-1	EPOXY-1	P-6	P-6	P-6	P-6	–	–	P-3	–	–	–	
		19	OFFICE	50H	HVT-1	RB-1	P-5	P-5	P-5	P-5	ACT-1	–	P-3	–	–	–	
		20	ELECTRIC ROOM	50I	EPOXY-1	EPOXY-1	P-5	P-5	P-5	P-5	–	–	P-3	–	–	–	
		21	SERVERY	50J	EPOXY-1	EPOXY-1	P-6	P-6	P-6	P-6	ACT-2	–	P-3	–	–	–	
		22	CORRIDOR	51	TZ-1	RB-2	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	SCH-1 & SCH-3
		23	STAIR	52	RST-1&2	RB-4	P-1	P-1	P-1	P-1	–	–	P-3	–	–	–	
		24															
		25															
	GROUND FLOOR ALTERNATE 1	26	CORRIDOR	60	TZ-1	RB-2	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	SCH-1 & SCH-3
		27	SCI	61	HVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	
		28	STORAGE	61A	HVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	
		29	STORAGE	62	P-4	RB-1	P-1	P-1	P-1	P-1	–	–	P-3	–	–	–	
		30	CORRIDOR	63	TZ-1	RB-2	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	SCH-1 & SCH-3
		31	STORAGE	15	HVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	
		32															
	GROUND FLOOR ALTERNATE 2	33	VESTIBULE	70	TZ-1	RB-2	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	SCH-1 & SCH-3
		34	ELEVATOR	71	TZ-1	RB-2	–	–	–	–	–	–	P-3	–	–	–	
		35															
		36															
		37															
		38															
	FIRST FLOOR	39	STAIR	52	RST-1&2	RB-4	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	
		40	CORRIDOR	180	TZ-1 WMQ-1	RB-2	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	SCH-1 & SCH-3
		41	SECURITY OFFICE	181	HVT-1&2	RB-1	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	
		42	STORAGE	181A	HVT-1&2	RB-1	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	
		43															
		44															
		45															
		46															
	FIRST FLOOR ALTERNATE 2	47	VESTIBULE	782	TZ-1 WMQ-1	RB-2	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	
		48	CORRIDOR	170	TZ-1	RB-2	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	SCH-1 & SCH-3
		49															
		50															
		51															
		52															
H. H. WELL	FIRST FLOOR	53	CLASSROOM	C1	HVT-1&2	RB-1	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	
		54	SGI	C2	HVT-1&2	RB-1	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	
		55	SGI	C3	HVT-1&2	RB-1	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	
		56	SGI	C3.1	HVT-1&2	RB-1	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	
		57	CLASSROOM	C4	HVT-1&2	RB-1	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	
		58	CORRIDOR	C5	HVT-1&2	RB-1	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	
		59	CORRIDOR	C6	HVT-1&2	RB-1	P-1	P-1	P-1	P-1	ACT-1	–	P-3	–	–	–	
		60															
		61															
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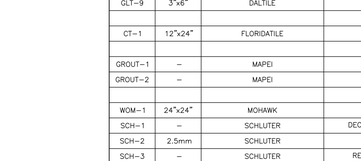
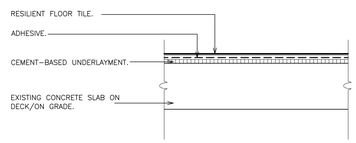
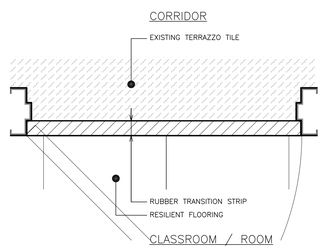
1 TYPICAL CHECKERBOARD FLOOR PATTERN
SCALE: 1/2" = 1'-0"



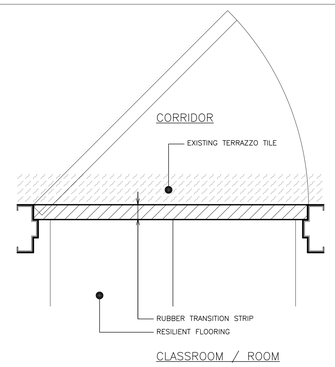
2 EXISTING FLOOR ASSEMBLY
SCALE: 1 1/2" = 1'-0"



3 REVISED FLOOR ASSEMBLY
SCALE: 1 1/2" = 1'-0"



4 TYPICAL DETAIL- EXISTING FLOOR TO RESILIENT FLOOR TRANSITION
SCALE: 1 1/2" = 1'-0"



5 TYPICAL DETAIL- EXISTING FLOOR TO RESILIENT FLOOR TRANSITION
SCALE: 1 1/2" = 1'-0"

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION/INTERIOR RENOVATIONS & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
FINISH LEGEND & FINISH SCHEDULE

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

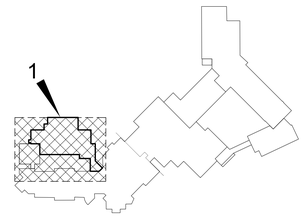
SHEET SIZE 30"x42" | DRAWING NO. CVS A825
SCALE AS NOTED | FILE NO. 23505.02
DRAWN BY

PLOT DATE: December 05, 2024 - 11:37am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A800-825.dwg

SIGNAGE LEGEND

A / * — INDICATES SIGN TYPE A INDICATES LOCATION OF SIGN NUMERICAL CLASSROOM SIGN DENOTES ROOM NUMBER TO BE PLACED ON SIGN	C / # — INDICATES SIGN TYPE C INDICATES LOCATION OF SIGN GRAPHIC SIGN SIGN DESCRIPTOR (SEE DWG. A-925)
B / # — INDICATES SIGN TYPE B INDICATES LOCATION OF SIGN ROOM FUNCTION SIGN SIGN DESCRIPTOR (SEE DWG. A-925)	D / # — INDICATES SIGN TYPE D INDICATES LOCATION OF SIGN SPECIALTY SIGN SIGN DESCRIPTOR (SEE DWG. A-925)



KEY PLAN N.T.S.

ALTERNATE SIGNAGE

ALTERNATE GC-2

ALTERNATE GC-1

EXISTING BUILDING

NEW ADDITION

1 GROUND FLOOR SIGNAGE PLAN
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

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PROJECT TITLE
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C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION / INTERIOR RENOVATIONS AND ALTERATIONS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
GROUND FLOOR SIGNAGE PLAN

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

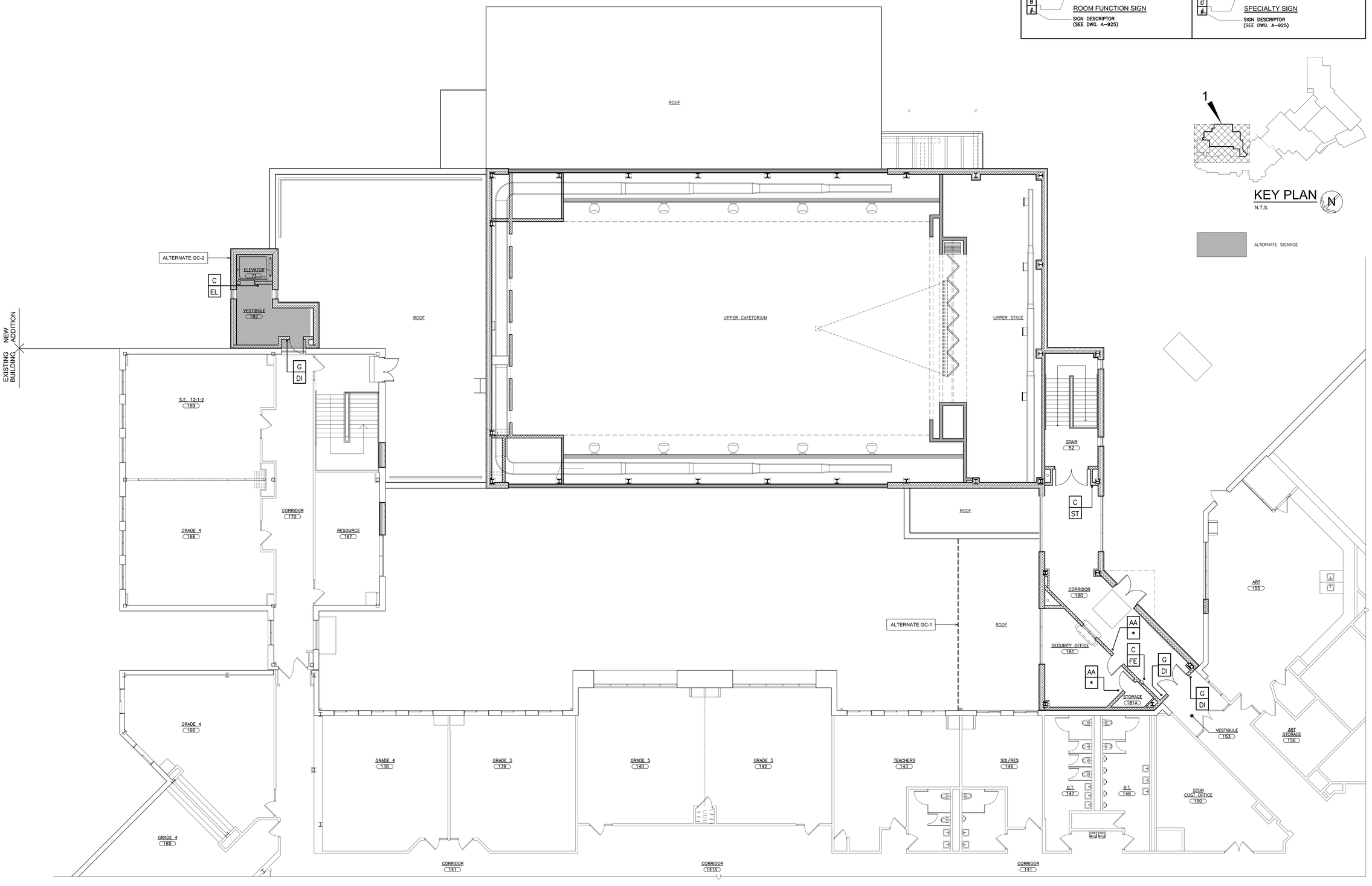
SHEET SIZE 30"x42"
DRAWING NO. CVS A900
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 11:36am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A900-901.dwg

SIGNAGE LEGEND

A * — INDICATES SIGN TYPE A INDICATES LOCATION OF SIGN NUMERICAL CLASSROOM SIGN DENOTES ROOM NUMBER TO BE PLACED ON SIGN	C # — INDICATES SIGN TYPE C INDICATES LOCATION OF SIGN GRAPHIC SIGN SIGN DESCRIPTOR (SEE DWG. A-925)
B # — INDICATES SIGN TYPE B INDICATES LOCATION OF SIGN ROOM FUNCTION SIGN SIGN DESCRIPTOR (SEE DWG. A-925)	D # — INDICATES SIGN TYPE D INDICATES LOCATION OF SIGN SPECIALTY SIGN SIGN DESCRIPTOR (SEE DWG. A-925)



1 FIRST FLOOR SIGNAGE PLAN
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

KEY PLAN N
N.T.S.

ALTERNATE SIGNAGE

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION & INTERIOR RENOVATIONS AS ALTERNATE NO. 1
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
FIRST FLOOR SIGNAGE PLAN

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

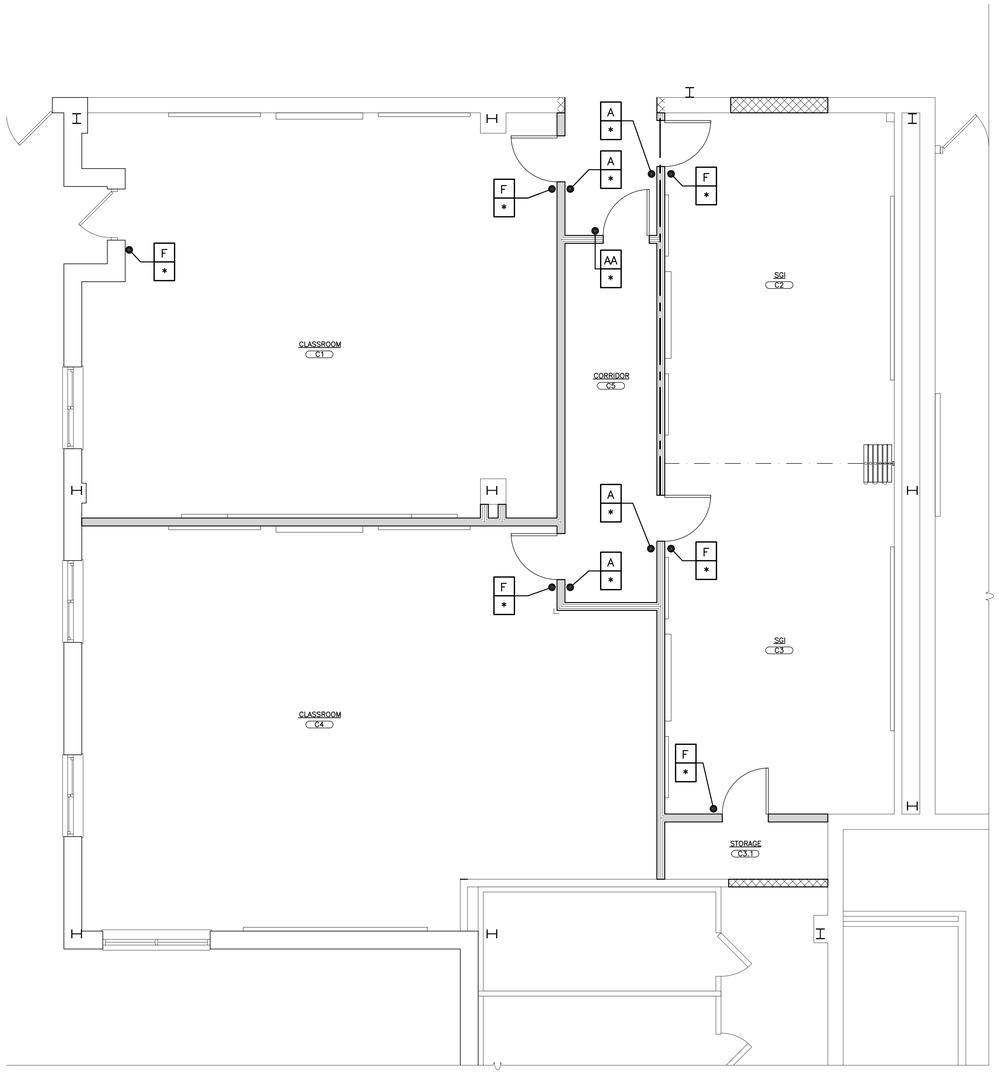
SHEET SIZE 30"x42"
DRAWING NO. CVS A901
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 11:34am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A900-901.dwg

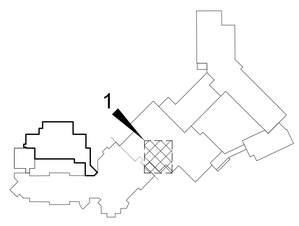
SIGNAGE LEGEND

A / * — INDICATES SIGN TYPE A INDICATES LOCATION OF SIGN NUMERICAL CLASSROOM SIGN DENOTES ROOM NUMBER TO BE PLACED ON SIGN	C / # — INDICATES SIGN TYPE C INDICATES LOCATION OF SIGN GRAPHIC SIGN SIGN DESCRIPTOR (SEE DWG. A-925)
B / # — INDICATES SIGN TYPE B INDICATES LOCATION OF SIGN ROOM FUNCTION SIGN SIGN DESCRIPTOR (SEE DWG. A-925)	D / # — INDICATES SIGN TYPE D INDICATES LOCATION OF SIGN SPECIALTY SIGN SIGN DESCRIPTOR (SEE DWG. A-925)



1 PARTIAL FIRST FLOOR SIGNAGE PLAN
SCALE: 1/4" = 1'-0"

0 2' 4' 8' 16'



KEY PLAN
N.T.S.

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & EXISTING CAFETERIA CONVERSION
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
PARTIAL FIRST FLOOR SIGNAGE PLAN

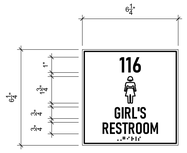
DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A902
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

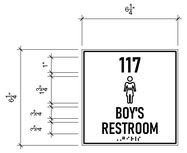
PLOT DATE: December 05, 2024 - 11:32am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A902.dwg

SIGN TYPES: SCALE: 3"=1'-0"



INTERNATIONAL SYMBOL
SIGN TYPE B
PLAN DESIGNATION (GT)

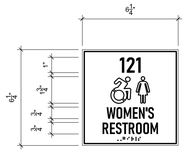


INTERNATIONAL SYMBOL
SIGN TYPE B
PLAN DESIGNATION (BT)

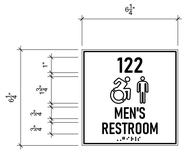
INTERNATIONAL SYMBOL
SIGN TYPE B
PLAN DESIGNATION (WFT)

INTERNATIONAL SYMBOL
SIGN TYPE B
PLAN DESIGNATION (MFT)

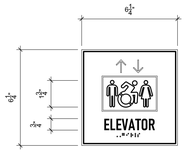
UNISEX TOILET
SIGN TYPE B
PLAN DESIGNATION (UN)



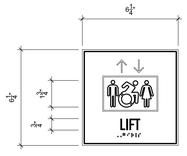
INTERNATIONAL SYMBOL
SIGN TYPE B
PLAN DESIGNATION (WT)



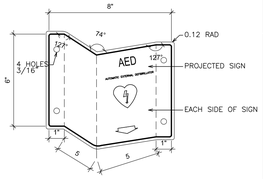
INTERNATIONAL SYMBOL
SIGN TYPE B
PLAN DESIGNATION (MT)



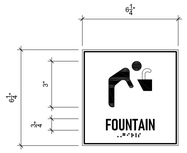
INTERNATIONAL SYMBOL
SIGN TYPE C
(PLAN DESIGNATION (EL))



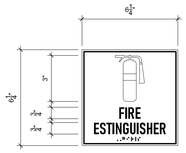
INTERNATIONAL SYMBOL
SIGN TYPE C
(PLAN DESIGNATION (LI))



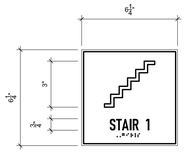
AED
SIGN TYPE C
PLAN DESIGNATION (AED)



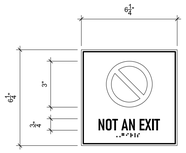
FOUNTAIN
SIGN TYPE C
PLAN DESIGNATION (DF)



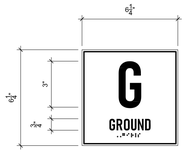
FIRE EXTINGUISHER
SIGN TYPE C
PLAN DESIGNATION (FE)



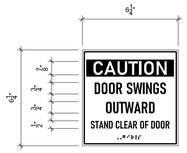
STAIR
SIGN TYPE C
PLAN DESIGNATION (ST)



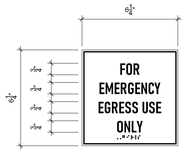
EXIT
SIGN TYPE C
PLAN DESIGNATION (NE)



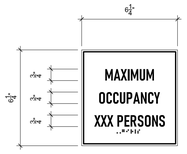
STAIR
SIGN TYPE C
PLAN DESIGNATION (FL)



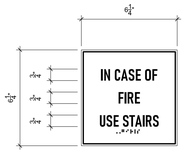
DOOR SWING
SIGN TYPE C
PLAN DESIGNATION (CA)



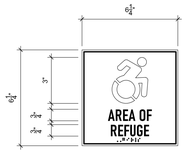
FOR EMERGENCY USE
SIGN TYPE E
PLAN DESIGNATION (US)



MAXIMUM OCCUPANCY
SIGN TYPE G
PLAN DESIGNATION (MO)



EMERGENCY EGRESS LABEL
SIGN TYPE I
PLAN DESIGNATION (EL)

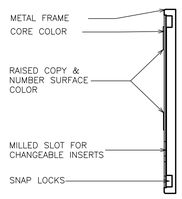


AREA OF REFUGE
SIGN TYPE X
PLAN DESIGNATION (AR)

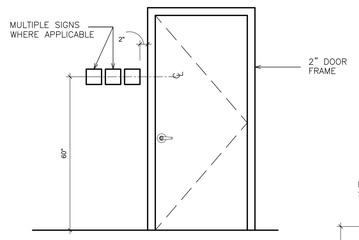
SIGN TYPE D
PLAN DESIGNATION (EXV)

SIGNAGE MOUNTING LOCATIONS: NOT TO SCALE

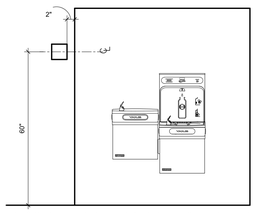
TYPICAL SECTION OF SIGN



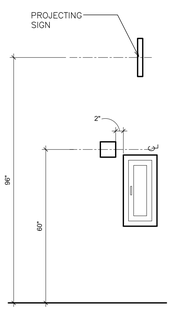
SECTION



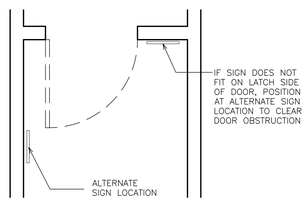
TYPE A – SIGN LOCATION AT DOOR (TYP.)



TYPE B – SIGN LOCATION AT WATER COOLER



TYPE C – SIGN LOCATION AT FIRE EXTINGUISHER (TYP.)

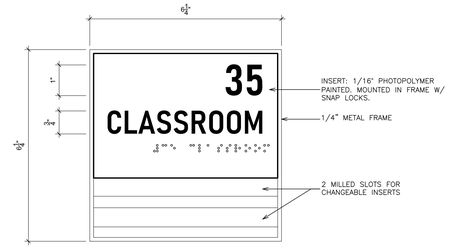


TYPE D – SIGN LOCATION

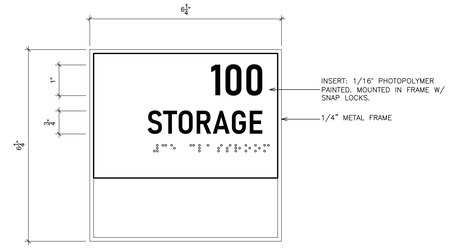
NOTES:

1. SIGN LAYOUT IS TYPICAL FOR ALL SIGNS. (ALL SIGNS SHALL HAVE BRAILLE AND RAISED LETTERS/SYMBOLS – SEE TYPICAL SIGN SECTION)
2. SIGNAGE SHALL COMPLY WITH NEW YORK STATE– ICC/ANSI, A117.1–2003
3. SEE A–900 SERIES DRAWINGS FOR SIGN LOCATIONS.
4. SIGN TEXT AND ROOM NUMBERING CONVENTION SHALL BE DETERMINED BY SCHOOL DISTRICT. ROOM MAY HAVE MULTIPLE SIGNS. SEE SIGNAGE PLANS FOR LOCATION.
5. SIGN LOCATION IS GENERALLY OUTSIDE OF ROOM. VARIATIONS MAY EXIST. SEE SIGNAGE PLANS FOR LOCATIONS.
6. MM – MECHANICAL MOUNTING. HOLES IN SIGN WITH ONE–WAY SCREWS.
7. PROVIDE FIRE EVACUATION SIGNS IN ALL CLASSROOM/STUDENT SPACES.
8. MAXIMUM OCCUPANCY COUNT SHALL MATCH EXISTING. OBTAIN APPROVAL FROM SCHOOL DISTRICT AND FIRE MARSHALL.
9. MATCH COLORS AND FONTS OF EXISTING SIGNS IN GYMNASIUM WING.
10. WHERE NEW SIGNS REPLACE EXISTING; CONTRACTOR SHALL REMOVE EXISTING.
11. PROVIDE (6) DEFIBRILLATOR SIGNS – INSTALL AND LOCATE PER OWNER'S DIRECTION.
12. PROVIDE ADDITIONAL (20) CLASSROOM SIGNS – INSTALL AND LOCATE PER OWNER'S DIRECTION.
12. PROVIDE ADDITIONAL (6) UNISEX BATHROOM SIGNS – INSTALL AND LOCATE PER OWNER'S DIRECTION.

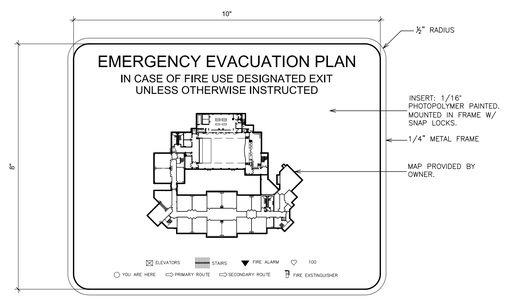
SIGN TYPES: SCALE: 6"=1'-0"



SPACE NAME
SIGN TYPE A
(PLAN DESIGNATION *)

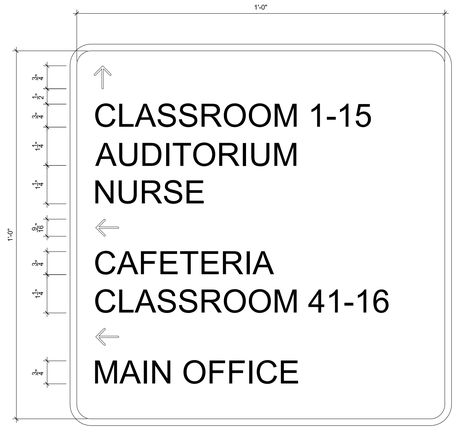


SPACE NAME
SIGN TYPE AA
(PLAN DESIGNATION **)



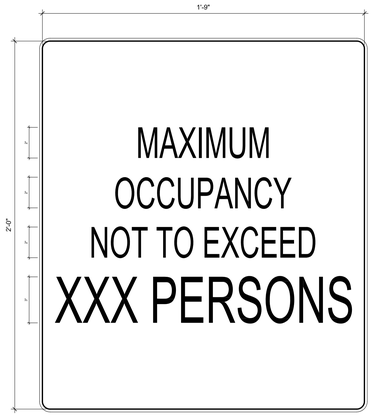
EMERGENCY EVACUATION PLAN
SIGN TYPE F

NOTE:
1. CONTRACTOR TO COORDINATE WITH BCSD FOR EVACUATION ROUTES.
2. CONTRACTOR TO SHOW EVACUATION ROUTES FROM INDIVIDUAL ROOMS.

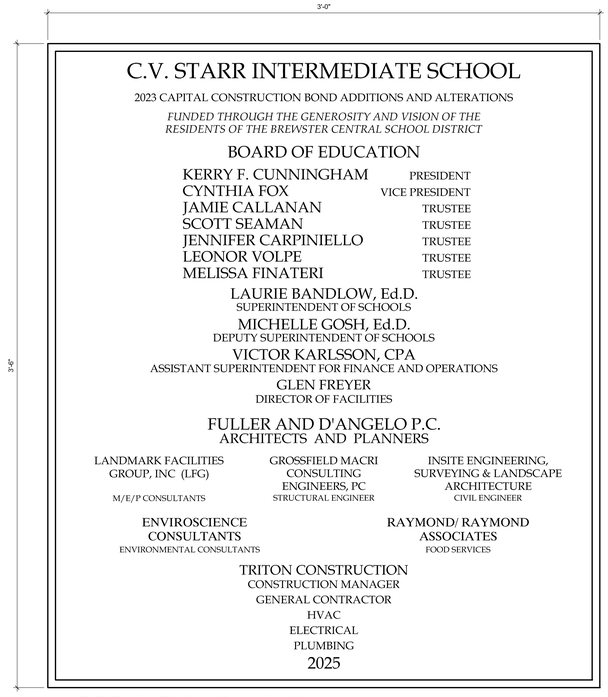


DIRECTORY
SIGN TYPE D
PLAN DESIGNATION (DI)

NOTE: ACTUAL ROOM NAMES/NUMBERS WILL BE PROVIDED DURING SHOP DRAWING PHASE.



MAXIMUM OCCUPANCY
SIGN TYPE H
PLAN DESIGNATION (MO)



1 DEDICATION PLAQUE
SCALE: 6" = 1'-0"

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WWW.FULLERDANGELO.COM
20 FARM TO MARKET ROAD BREWSTER, NY 10509

Copyright

LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
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C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND ALTERATIONS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

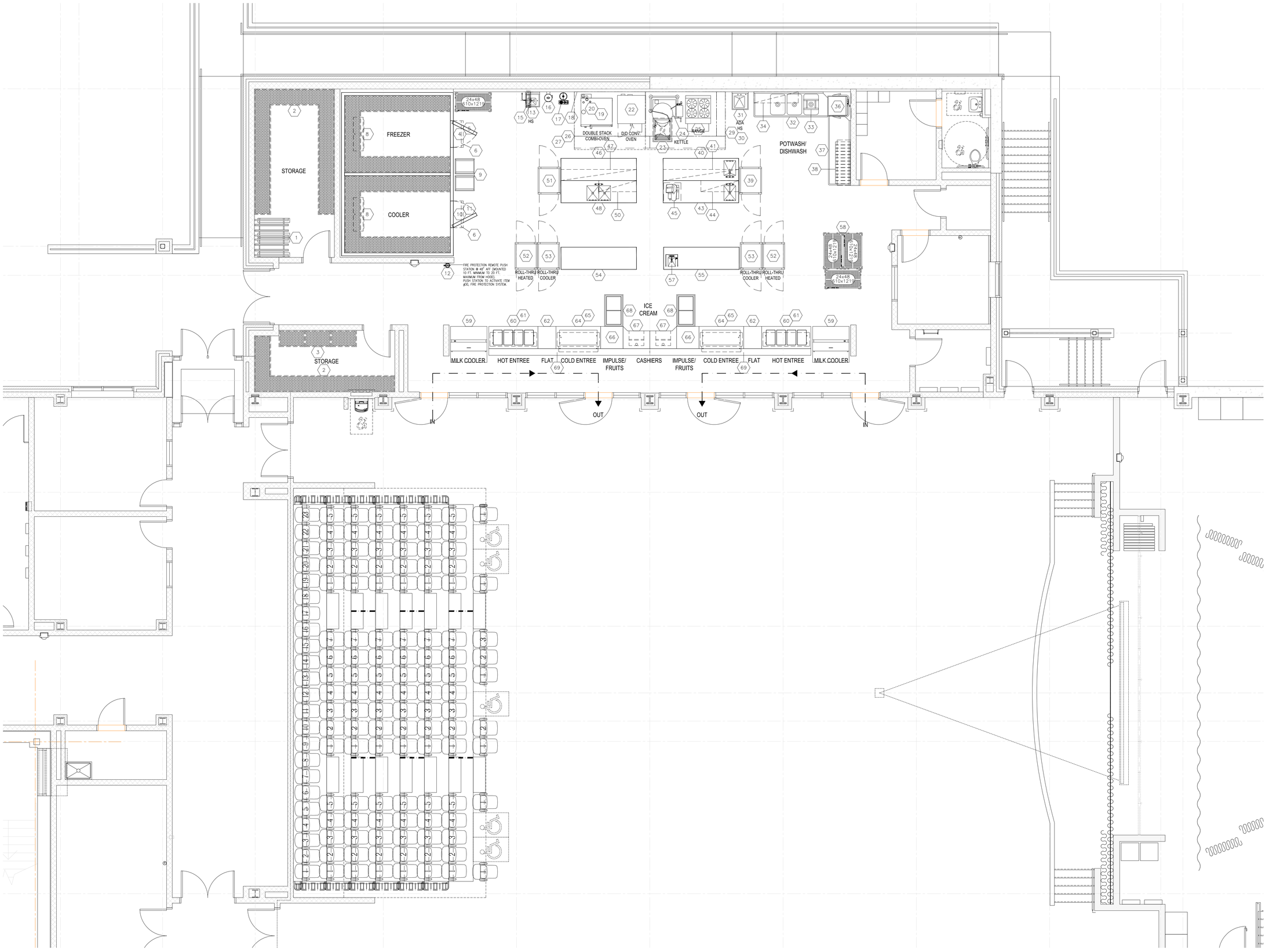
DRAWING TITLE
SIGN TYPES AND DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS A925
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 11:36am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS A925.dwg



1 FOOD SERVICE EQUIPMENT PLAN
SCALE: 1/4" = 1'-0"

AS PER USA CONGRESS ARCHITECTURAL WORKS COPYRIGHT PROTECTION ACT OF 1990 ALL IDEAS AND DESIGNS INCLUDING DERIVATIVES THEREOF, ALL DRAWINGS AND SPECIFICATIONS CONSTITUTE THE ORIGINAL COPYRIGHT WORK BY FULLER AND D'ANGELO, P.C. (F&D). THE DRAWINGS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE BY F&D ARE CREATED BY F&D FOR THIS PROJECT ONLY AND REMAIN THE PRODUCT AND PROPERTY OF F&D. ANY REPRODUCTION WITHOUT THE PRIOR CONSENT OF F&D IS PROHIBITED.

FULLER D'ANGELO P.C.
ARCHITECTS PLANNERS
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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
FOOD SERVICE EQUIPMENT PLAN

DATE	ISSUED TO
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. FS.1
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.02

PLOT DATE: November 22, 2024 - 1:08pm

FILE: C:\Users\RRADesigns\RRA Designs Dropbox\Brett Farrell\RRA Server\data\Drafting\Drawings\Schools\Brewster CV Starr\FS-ALL-Brewster CV.dwg

EQUIPMENT SCHEDULE

ITEM NO	EQUIPMENT CATEGORY	QTY	HOT WATER SIZE (IN)	COLD WATER SIZE (IN)	DIRECT DRAIN SIZE (IN)	INDIR DRAIN SIZE (IN)	GAS SIZE (IN)	MBTUH	HP	KW	AMPS	PLUG	DIRECT	VOLTS	PHASE	NEMA	MANUFACTURER	MODEL NUMBER	EQUIPMENT REMARKS
1	RACK, CAN	2															NEW AGE INDUSTRIAL	1256CK	
2	STORAGE SHELVING, 22" W	LOT															FERMOD	6611/R1	
3	DUNNAGE RACK(S), 22" W	3															FERMOD	1R35C12	
4	WALK-IN FREEZER	1									15.0		X	120	1		THERMAL RITE	CUSTOM	
5	REFRIGERATION TO ITEM #4	1									11.9		X	208	3		RDT POLARCRAFT	PCL035ZCT3A	COMPRESSOR UNIT
						3/4					15.2		X	208	1			BEL0130	EVAPORATOR COILS UNIT
6	AIR CURTAIN, UNHEATED	2							0.2	0.3	3.4	X		120	1	5-15P	BERNER	CLC08-1036A	
7	SPARE NUMBER	–																	
8	STORAGE SHELVING, 22" W	LOT															FERMOD	6611/R1	
9	RACK, PAN	6															NEW AGE INDUSTRIAL	1331	
10	WALK-IN COOLER	1									15.0		X	120	1		THERMAL RITE	PCM009ZCT3A	
11	REFRIGERATION TO ITEM #10	1									5.2		X	208	3		RDT POLARCRAFT	BEL0095	COMPRESSOR UNIT
						3/4					1.8		X	120	1				EVAPORATOR COILS UNIT
12	FIRE EXTINGUISHER, WALL MNTD.	1															ANSUL	K-CLASS	
13	HAND SINK, WALL MNTD.	1	1/2	1/2	1-1/2												IMC/TEDDY	WS-1D	
14	SPARE NUMBER	–																	
15	HOSE REEL WITH GUN	1	1/2	1/2													T&S BRASS	B-7132-05	
16	EYE WASH STATION, WALL MNTD.	1	1/2	1/2	1-1/4												GUARDIAN	G1750P	
17	FILTER SYSTEM FOR ITEM #19/20	1		1/2													3M PURIFICATION	SGLP200-CL-BP	
18	S.S. WALL PANEL(S), 204"L	1															CAPTIVE AIRE	CUSTOM	
19	OVEN-STEAMER, COMBI, GAS	1		3/4		2	3/4	106.5		0.9	12.0	X		208	1	6-20P	RATIONAL	ICP-6 FULL NG	C.W. PIPED FROM ITEM #17
				3/4															
20	OVEN-STEAMER, COMBI, GAS	1		3/4		2	3/4	106.5		0.9	12.0	X		208	1	6-20P	RATIONAL	ICP-6 FULL NG	C.W. PIPED FROM ITEM #17
				3/4															
21	SPARE NUMBER	–																	
22	OVEN, CONVECTION, GAS	1					3/4	120			9.8	X		120	1	5-15P	GARLAND	MCO-GS-20-S	
											9.8	X		120	1	5-15P			
23	FLOOR TROUGH	1			4												IMC/TEDDY	FT-2430-SG	
24	KETTLE, STEAM JACKETED	1	1/2	1/2			3/4	140			10.0	X		120	1	5-15P	CLEVELAND RANGE	KGL-40-T	
25	RANGE, HEAVY DUTY, GAS	1					3/4	184			0.1	X		120	1	5-15P	GARLAND	MST44R-E	
26	EXHAUST HOOD, TYPE I	1		ALL DATA ON FANS, DUCTS, POWER, SWITCHES, ETC... BY M.E.P. 3,000 C.F.M.													CAPTIVE AIRE	CUSTOM	
27	SUPPLY PLENUM, MAKE-UP AIR	1		ALL DATA ON FANS, DUCTS, POWER, SWITCHES, ETC... BY M.E.P. 2,500 C.F.M.													CAPTIVE AIRE	CUSTOM	
28	SPARE NUMBER	–																	
29	EXHAUST HOOD, CONTROL PANEL	1									15.0		X	120	1		CAPTIVE AIRE	CUSTOM	
30	FIRE PROTECTION SYSTEM	1									15.0		X	120	1		CAPTIVE AIRE	UL-300 (R-102)	
31	ADA HAND SINK, WALL MNTD.	1	1/2	1/2	1-1/2												IMC/TEDDY	ADA-WS-1D	
32	3-COMPARTMENT SINK, POTWASH	1	1/2	1/2		1-1/2											IMC/TEDDY	SCS-34-2028-24RL	
						1-1/2													
						1-1/2													
33	S.S. REMOV. RACK GUIDE	1															IMC/TEDDY	CUSTOM	
34	STORAGE SYSTEM, WALL MNTD.	1															EAGLE GROUP/ METAL MASTERS	WAL-STOR	
35	SPARE NUMBER	–																	
36	DOOR-TYPE WAREWASHER, VENTLESS	1		3/4		1					46.0		X	208	3		CHAMPION INDUSTRIES	DH6000T-VHR	
				1/2							12.0	X		120	1	5-15P			DRAIN TEMPERING KIT
37	CLEAN DISH TABLE	1															IMC/TEDDY	SCDT-96	
38	RACK SHELF, WALL MNTD.	1															NEW AGE	52924	
39	REFRIGERATOR, PASS-THRU	1									10.5	X		120	1	5-15P	UTILITY REFRIGERATOR	PT-R-30-SS-2S-2S-D	
40	ADA WORK TABLE W/ SINK	1	1/2	1/2		1-1/2					12.0	X		120	1	5-15R	IMC/TEDDY	CUSTOM	
41	OVERSHELF, SPLASH MNTD.																IMC/TEDDY	TBV-1-12102	
42	SPARE NUMBER	–																	
43	WORK TABLE W/ SINK	1	1/2	1/2		1-1/2					12.0	X		120	1	5-15R	IMC/TEDDY	CUSTOM	
44	OVERSHELF, SPLASH MNTD.																IMC/TEDDY	TBV-1-1251	
45	SLICER, FOOD	1							0.5		3.0	X		120	1	5-15P	GLOBE FOOD EQUIPMENT	G12A	
46	WORK TABLE	1									12.0	X		120	1	5-15R	IMC/TEDDY	CUSTOM	
47	OVERSHELF, SPLASH MNTD.																IMC/TEDDY	TBV-1-12102	
48	2-COMPARTMENT, PREP. TABLE	1	1/2	1/2		1-1/2					12.0	X		120	1	5-15R	IMC/TEDDY	CUSTOM	
						1-1/2													
49	SPARE NUMBER	–																	
50	OVERSHELF, SPLASH MNTD.																IMC/TEDDY	TBV-1-1251	
51	REFRIGERATOR, PASS-THRU	1									10.5	X		120	1	5-15P	UTILITY REFRIGERATOR	PT-R-30-SS-2S-2S-D	
52	CABINET, HEATED, ROLL-THRU	2								1.5	13.0	X		120	1	5-20P	UTILITY REFRIGERATOR	RTHC-30-SS-1S-1S-H	
53	REFRIGERATOR, ROLL-THRU	2							0.5		10.2	X		120	1	5-15P	UTILITY REFRIGERATOR	RTR-30-SS-1S-1S-H	
54	WORK COUNTER, STORAGE BASE	1									12.0	X		120	1	5-15R	IMC/TEDDY	CUSTOM	
55	WORK COUNTER, STORAGE BASE	1									12.0	X		120	1	5-15R	IMC/TEDDY	CUSTOM	
56	SPARE NUMBER	–																	
57	HAND SINK, BUILT-IN	1	1/2	1/2		1-1/2											IMC/TEDDY	CUSTOM	
58	POT/ PAN RACK, PORTABLE	4															METRO	PR48VX3	
59	MILK COOLER	2									2.7	X		120	1	5-15P	TRUE MFG.	TMC-49-S-SS-HC	
60	HOT FOOD COUNTER	2				1					10.8	X		208	1	6-15P	LTI	SIM-TW-4-60	
61	FOOD PROTECTOR(S), ADJUSTABLE	2									1.0		X	120	1		PREMIER METAL & GLASS	TM2N-A	
62	FLAT TOP COUNTER	2									12.0	X		120	1	5-15R	LTI	SIM-ST-28	
63	SPARE NUMBER	–																	
64	COLD FOOD COUNTER	2				1			0.2		7.1	X		120	1	5-15P	LTI	SIM-TA-60	
65	FOOD PROTECTOR(S), ADJUSTABLE	2									1.0		X	120	1		PREMIER METAL & GLASS	TM2N-A	
66	FLAT TOP COUNTER	2															LTI	SIM-ST-28	
67	CASHIER COUNTER	2									12.0	X		120	1	5-15R	LTI	SIM-CSE-28	
68	NOVELTY CASE, ICE CREAM	2							0.2		3.5	X		120	1	5-15P	BEVERAGE-AIR	NC43-1-W	
69	TRAY SLIDE, V-RIBBED, 9"W	LOT															LTI	CUSTOM	
70	SPARE NUMBER	–																	

GENERAL CONTRACTOR NOTES:

1. UNLESS OTHERWISE INDICATED, KITCHEN EQUIPMENT CONTRACTOR (K.E.C.) IS A SUBCONTRACTOR TO THE GENERAL CONTRACTOR.
2. GENERAL CONTRACTOR TO COORDINATE FINAL LOCATION OF CONDENSING UNITS WITH KITCHEN EQUIPMENT CONTRACTOR, ARCHITECT AND OWNER.
3. GENERAL CONTRACTOR TO VERIFY WITH ARCHITECT AND STRUCTURAL ENGINEER THAT THE ROOF WILL SUPPORT THE CONDENSING UNITS IN THE FINAL LOCATIONS.
4. REFRIGERATION SIZING & ITS REFRIGERANT LINE RUNS ARE BASED ON A MAXIMUM HORIZONTAL LINE RUN OF 65'-0" (65 FEET) AND A VERTICAL LINE RUN OF 35'-0" (35 FEET).
5. IF THE CONDENSING UNITS ARE LOCATED MORE THAN 100'-0" AWAY FROM THE WALK-IN BOX, GENERAL CONTRACTOR TO NOTIFY KITCHEN EQUIPMENT CONTRACTOR PRIOR TO INSTALLATION OF ROOF CURBS, PITCH POCKETS AND CONDENSING UNITS.
6. IF WALLS ARE FIRE RATED, GENERAL CONTRACTOR TO USE METAL STUDS FOR WALL BLOCKING IN PLACE OF PLYWOOD.

GENERAL MECHANICAL NOTES:

1. ROUGH-INS SHOWN ON THE FOOD SERVICE DRAWINGS ARE FOR EQUIPMENT BEING SUPPLIED BY KITCHEN EQUIPMENT CONTRACTOR ONLY. ADDITIONAL ROUGH-INS SHOWN OR NOT SHOWN ON THESE DRAWINGS FOR EQUIPMENT BEING RELOCATED, RE-USED OR SUPPLIED BY OTHERS WILL HAVE TO BE VERIFIED BY GENERAL CONTRACTOR PRIOR TO ROUGH-INS BEING INSTALLED.
2. THE MECHANICAL PLANS, IF APPLICABLE, ARE PREPARED AS AN ACCOMMODATION AND GUIDE ONLY, TO INDICATE MECHANICAL REQUIREMENTS NECESSARY TO OPERATE THE EQUIPMENT. DEVIATIONS FROM THE MECHANICAL WORK SHOWN ON THESE PLANS AND EXECUTION OF SUCH WORK IS WITHOUT RESPONSIBILITY OF RAYMOND/ RAYMOND ASSOCIATES. DATA ON THIS SHEET IS TO BE REVIEWED BY OWNER AND/OR ARCHITECT AND IS TO BE INCORPORATED INTO THE BUILDING MECHANICAL PLANS IN ACCORDANCE WITH LOCAL CODES AT THE SITE.
3. OWNER AND/OR ARCHITECT IS TO SUBMIT THIS PLAN SET TO LOCAL HEALTH DEPARTMENT FOR APPROVAL UNLESS OTHERWISE SPECIFIED.
4. ALL EQUIPMENT DESIGNED AND SPECIFIED, PER THIS SET OF PLANS, BY RAYMOND/ RAYMOND ASSOCIATES, HAS THE UNDERWRITERS' LABORATORIES AND NATIONAL SANITATION FOUNDATION SEALS OF APPROVAL. AND IS TO BE FURNISHED AS SUCH BY THE KITCHEN EQUIPMENT CONTRACTOR.
5. KITCHEN EQUIPMENT CONTRACTOR TO SET IN PLACE, EQUIPMENT AT THE SITE IN ACCORDANCE WITH THESE PLANS AND TERMS OF CONTRACT WITH OWNER.
6. ALL PLUMBING, ELECTRICAL AND VENTILATION WORK, INCLUDING "ROUGH-INS, INTERCONNECTIONS BETWEEN COUNTERS, CONTROLS, SWITCHES, ETC..." AND "FINAL CONNECTIONS" TO THE EQUIPMENT, IS TO BE PERFORMED BY APPROPRIATE TRADES. IT IS NOT PART OF THE KITCHEN EQUIPMENT CONTRACTORS SCOPE OF WORK UNLESS OTHERWISE SPECIFIED.
7. TO EXPEDITE AND INSURE PROPER INSTALLATION OF COOKING EQUIPMENT, IT IS RECOMMENDED THAT "ALL FINAL CONNECTIONS" ARE TO BE PERFORMED BY APPROPRIATE TRADES AT THE SAME TIME THE KITCHEN EQUIPMENT CONTRACTOR IS SETTING THE EQUIPMENT IN PLACE.

ELECTRICAL CONTRACTOR NOTES:

1. ELECTRICAL ROUGH-INS SHOWN ON THE FOOD SERVICE DRAWINGS ARE "POINT OF CONNECTION" OR "CONNECTED LOAD" DRAWINGS ONLY. REFER TO ENGINEERING DRAWINGS FOR FURTHER DETAILS & INFORMATION.
2. FURNISH & INSTALL REQUIRED CONVENIENCE RECEPTACLES AS PER LOCAL CODE HAVING JURISDICTION AND PER OWNERS REQUESTS/ NEEDS.
3. VERIFY IF CONVENIENCE RECEPTACLES ARE TO BE GFCI PER LOCAL CODE HAVING JURISDICTION.
4. MOUNTING HEIGHTS GIVEN ARE TO CENTERLINE OF DEVICE UNLESS OTHERWISE NOTED.
5. FLOOR MOUNTED DEVICES ARE TO BE MOUNTED WITH A 5 3/4" MAXIMUM HEIGHT TO TOP OF BOX.
6. FURNISH & INSTALL ALL RECEPTACLES, J-BOXES, SWITCHES, INTER-WIRING, DISCONNECT SWITCHES, MOTOR STARTERS AND/OR TRANSFORMERS OR ANY OTHER ELECTRICAL DEVICE REQUIRED TO MAKE EQUIPMENT OPERATIONAL. THIS IS NOT PART OF THE KITCHEN EQUIPMENT CONTRACTORS SCOPE OF WORK UNLESS OTHERWISE SPECIFIED.
7. ALL POWER CONNECTION POINTS UNDER EXHAUST HOODS ARE TO BE SHUT DOWN UPON FIRE SUPPRESSION SYSTEM ACTIVATION PER NFPA 96. FURNISH & INSTALL SHUNT-TRIP BREAKERS FOR THESE CIRCUITS.
8. VERIFY, FURNISH AND INSTALL REQUIRED ELECTRICAL ROUGH-INS FOR ALL EQUIPMENT BEING SUPPLIED.

PLUMBING CONTRACTOR NOTES:

1. PLUMBING ROUGH-INS SHOWN ON THE FOOD SERVICE DRAWINGS ARE "POINT OF CONNECTION" OR "CONNECTED LOAD" DRAWINGS ONLY. REFER TO ENGINEERING DRAWINGS FOR FURTHER DETAILS & INFORMATION.
2. FURNISH & INSTALL SHUT-OFF VALVES ON THE INLET SIDE OF THE COLD & HOT WATER LINES SERVING EACH PIECE OF EQUIPMENT.
3. IF WATER PRESSURE AT THE EQUIPMENT AREA EXCEEDS 50 POUNDS FLOW PRESSURE OWNER OR HIS CONTRACTOR MUST INSTALL A PRESSURE REDUCING VALVE ON BOTH THE MAIN HOT WATER & COLD WATER SUPPLY LINES SERVICING THE AREA.
4. FLOW PRESSURE TO DISHWASHER (OR ITS AUXILIARY HOT WATER BOOSTER HEATER IF ONE IS USED) MUST NOT EXCEED 20 POUNDS.
5. OWNER OR THEIR CONTRACTOR MUST PROVIDE AN ADEQUATE SUPPLY OF 110° F HOT WATER, MINIMUM, TO ALL COOKING EQUIPMENT, DISHWASHER, BOOSTER HEATER, WORK SINKS, HAND SINKS, ETC.
6. IF WATER EXCEEDS TEN GRAINS OF HARDNESS, EXCESSIVE LIME, IRON, ALKALINE, ETC... CONDITIONS ARE PRESENT, PROPER WATER CONDITIONING EQUIPMENT MUST BE INSTALLED ON THE MAIN WATER LINES SERVING THIS FOOD SERVICE FACILITY. ALL WATER CONDITIONING EQUIPMENT SHALL BE FURNISHED, INSTALLED & MAINTAINED BY OTHERS.
7. USING PVC PIPING FOR DRAIN LINES FROM EQUIPMENT THAT DISCHARGES HOT WATER SUCH AS STEAMERS & DISHWASHERS MAY CAUSE THE P.V.C. PIPING TO SOFTEN OR CRACK. IT IS RECOMMENDED THAT METAL (COPPER OR GALVANIZED) PIPING BE USED.
8. CHECK WITH LOCAL CODES TO DETERMINE WHAT EQUIPMENT IS TO BE PIPED THROUGH A GREASE TRAP. EQUIPMENT NOTED ON FOOD SERVICE CONTRACT DRAWINGS ARE REQUIRED/ RECOMMENDED AND SHOULD BE VERIFIED FOR COMPLIANCE.
9. FURNISH & INSTALL GREASE TRAP(S) AS REQUIRED OR AS INDICATED ON ENGINEERING CONTRACT DOCUMENTS.
10. FURNISH & INSTALL GAS SHUT-OFF VALVE IN GAS MAIN FEEDING ALL COOKING EQUIPMENT PRIOR TO ANY TEES OR GAS LOOP FEEDING COOKING EQUIPMENT. GAS SHUT-OFF VALVE IS RECOMMENDED TO BE INSTALLED IN ACCESSIBLE CEILING SPACE OR BELOW FLOOR WITH ACCESS TO VALVE.
11. FURNISH & INSTALL FLOOR DRAINS AND/OR FLOOR SINKS AS PER LOCAL CODE HAVING JURISDICTION AND OWNERS REQUEST.
12. REVIEW ALL CATALOG DATA PROVIDED AS PART OF THE FOOD SERVICE CONTRACT DOCUMENTS TO ESTABLISH THE NECESSARY GAS PRESSURE TO THE KITCHEN EQUIPMENT.
13. IF GAS PRESSURE ON MAIN LINE FEEDING KITCHEN EQUIPMENT EXCEEDS 14" W.C. FURNISH & INSTALL GAS PRESSURE REDUCING VALVE ON MAIN GAS LINE, SO THAT THE PRESSURE IS EQUAL TO 14" W.C. EXCESSIVE GAS PRESSURE TO THE EQUIPMENT CAN DAMAGE THE EQUIPMENT AND CAUSE PERSONAL INJURY.
14. FURNISH & INSTALL ALL WATER LINES, DRAIN LINES, GAS LINES, MANIFOLDS, SHUT-OFF/GATE VALVES, PRESSURE REDUCING VALVES, BACKFLOW PREVENTERS, VACUUM BREAKERS, ETC. OR ANY OTHER PLUMBING DEVICE REQUIRED TO MAKE EQUIPMENT OPERATIONAL. THIS IS NOT PART OF THE KITCHEN EQUIPMENT CONTRACTORS SCOPE OF WORK UNLESS OTHERWISE SPECIFIED.
15. EXTEND ALL WATER LINES, DRAIN LINES & ASSOCIATED VALVES FOR DROP-IN OR BUILT-IN EQUIPMENT WITHIN COUNTERS TO WORKING SIDE FOR EASE OF ACCESSIBILITY & USE.
16. VERIFY, FURNISH & INSTALL REQUIRED PLUMBING ROUGH-INS FOR ALL EQUIPMENT BEING SUPPLIED.

KITCHEN EQUIPMENT CONTRACTOR (K.E.C.) NOTES:

1. COORDINATE WITH OTHER TRADES AND/OR SUB-CONTRACTORS IN ORDER THAT WHOLE INSTALLATION MAY RESULT IN THE HIGHEST GRADE POSSIBLE.
2. INSTALL FOOD SERVICE EQUIPMENT LEVEL AND PLUMB, ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS, ORIGINAL DESIGN AND REFERENCED STANDARDS.
3. PROVIDE ONLY SUCH VALVES, TRAPS, FAUCETS, SHUT-OFFS, PRESSURE REDUCING VALVES, RELIEF VALVES AND OTHER SPECIALTY ITEMS REQUIRED WITHIN EQUIPMENT FOR PROPER FUNCTION AND AS HEREINAFTER SPECIFIED.
4. MAKE ALL NECESSARY CUT-OUTS AND KNOCK-OUTS WHERE REQUIRED ON EQUIPMENT TO ACCOMMODATE ELECTRICAL RECEPTACLES, SWITCHES OR OTHER ELECTRICAL OUTLETS AND EQUIPMENT, TOGETHER WITH SUCH CUT-OUTS AS REQUIRED FOR PASSAGE OF GAS OR PLUMBING PIPING, ETC.
5. INSTALL/ HANG EXHAUST HOOD CANOPY(S) FROM CEILING STRUCTURE WITH ALL APPROPRIATE HANGAR BRACKETS, WIRE CABLE(S), ETC. READY FOR EXHAUST CONNECTIONS BY OTHERS.
6. ERECT/ ASSEMBLE ALL PANELIZED SYSTEMS FOR WALK-IN WALLS, CEILINGS, FLOORS, DOORS, ETC.
7. INSTALL/ RUN ALL REFRIGERANT LINE PIPING AND COMPONENTS FOR UNITS WITH REMOTE REFRIGERATION, SUCH AS WALK-IN COOLER AND/OR WALK-IN FREEZER UNITS.
8. INSTALL/ RUN ALL PIPING AND COMPONENTS FOR WET CHEMICAL EXTINGUISHING SYSTEM, BETTER KNOWN AS FIRE PROTECTION SYSTEM, AS REQUIRED WITHIN ALL EXHAUST HOOD(S).
9. STACK RUBBISH WASTE MATERIAL, CRATING, ETC., RESULTING FROM WORK AND KEEP THE PREMISES ORGANIZED AT ALL TIMES. UPON COMPLETION OF THE INSTALLATION, THOROUGHLY CLEAN ALL EQUIPMENT. FINAL SANITATION CLEANING BY OWNER.

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
FOOD SERVICE EQUIPMENT SCHEDULE

DATE	ISSUED TO
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. FS.2
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.02

PLOT DATE: November 22, 2024 - 1:08pm

FILE: C:\Users\RRADesigns\RRA Designs Dropbox\Brett Farrell\RRA Server\data\Drafting\Drawings\Schools\Brewster CV Starr\FS-ALL-Brewster CV.dwg

HOOD INFORMATION – JOB#6202127

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S) WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP	TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG END TO END	ROW
1	26, 27 - L	6024 ND-2-PSP-F	CAPTIVEAIRE	8' 0"	450 DEG	I	MEDIUM	188	1500			4"	14"	1500	1403	-0.646"	1200	430 SS 100%	LEFT	ALONE
2	26, 27 - R	6024 ND-2-PSP-F	CAPTIVEAIRE	8' 0"	450 DEG	I	MEDIUM	188	1500			4"	14"	1500	1403	-0.646"	1300	430 SS 100%	RIGHT	ALONE

HOOD INFORMATION

HOOD NO	TAG	FILTER(S) TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	LIGHT(S) QTY	TYPE	WIRE GUARD	UTILITY CABINET(S) LOCATION	SIZE	FIRE SYSTEM TYPE	FIRE SYSTEM SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
1	26, 27 - L	CAPTRATE SOLO FILTER	5	16"	16"	85% SEE FILTER SPEC	2	RECESSED ROUND	NO							YES	505 LBS
2	26, 27 - R	CAPTRATE SOLO FILTER	5	16"	16"	85% SEE FILTER SPEC	2	RECESSED ROUND	NO	RIGHT	12"x60"x24"	TANK FS	4.0/4.0	DCV-1111	1 LIGHT 1 FAN	YES	839 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	26, 27 - L	FIELD WRAPPER 18.00" HIGH FRONT, LEFT.
		BACKSPLASH 80.00" HIGH X 204.00" LONG 430 SS VERTICAL.
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
2	26, 27 - R	FIELD WRAPPER 18.00" HIGH FRONT, RIGHT.
		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.

PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S) WIDTH	LENG	DIA	CFM	SP
1	26, 27 - L	Front	96"	18"	6"	MUA	12"	24"		600	0.162"
						MUA	12"	24"		600	0.162"
2	26, 27 - R	Front	108"	18"	6"	MUA	12"	24"		650	0.162"
						MUA	12"	24"		650	0.162"

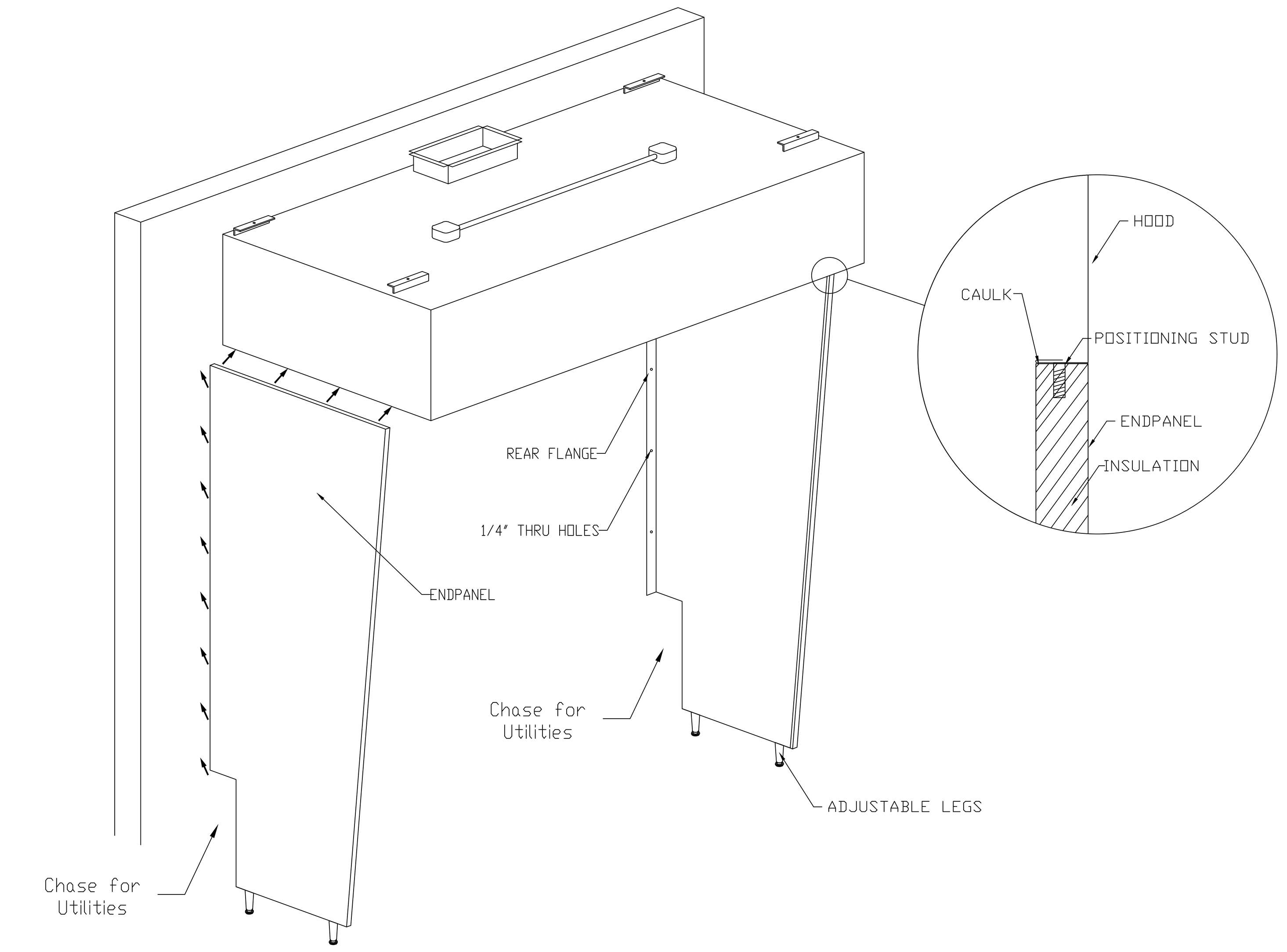
FIRE SYSTEM INFORMATION – JOB#6202127

FIRE SYSTEM NO	TAG	TYPE	SIZE	FLOW POINTS	INSTALLATION SYSTEM	LOCATION ON HOOD
1	30	TANK FS	4.0/4.0	26	FIRE CABINET RIGHT	RIGHT, HOOD 2

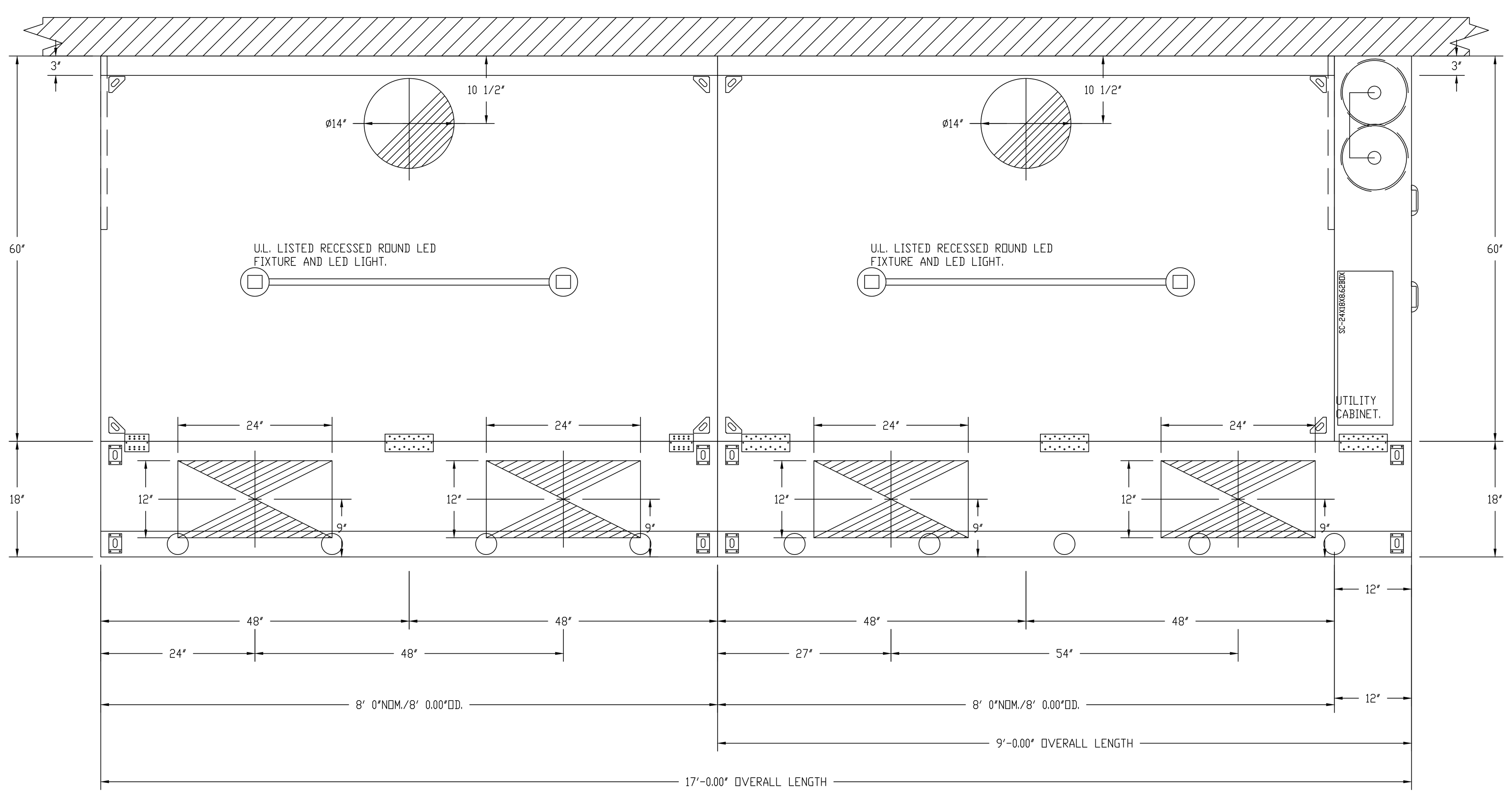
GAS VALVE(S)

FIRE SYSTEM NO	TAG	TYPE	SIZE	SUPPLIED BY
1	30	SC ELECTRICAL	2.000	CAPTIVEAIRE SYSTEMS

FOR QUESTIONS, CALL THE
N. NJ & S. NY
REGION 69
PHONE: (201) 669 - 4982
EMAIL: reg69@captiveaire.com

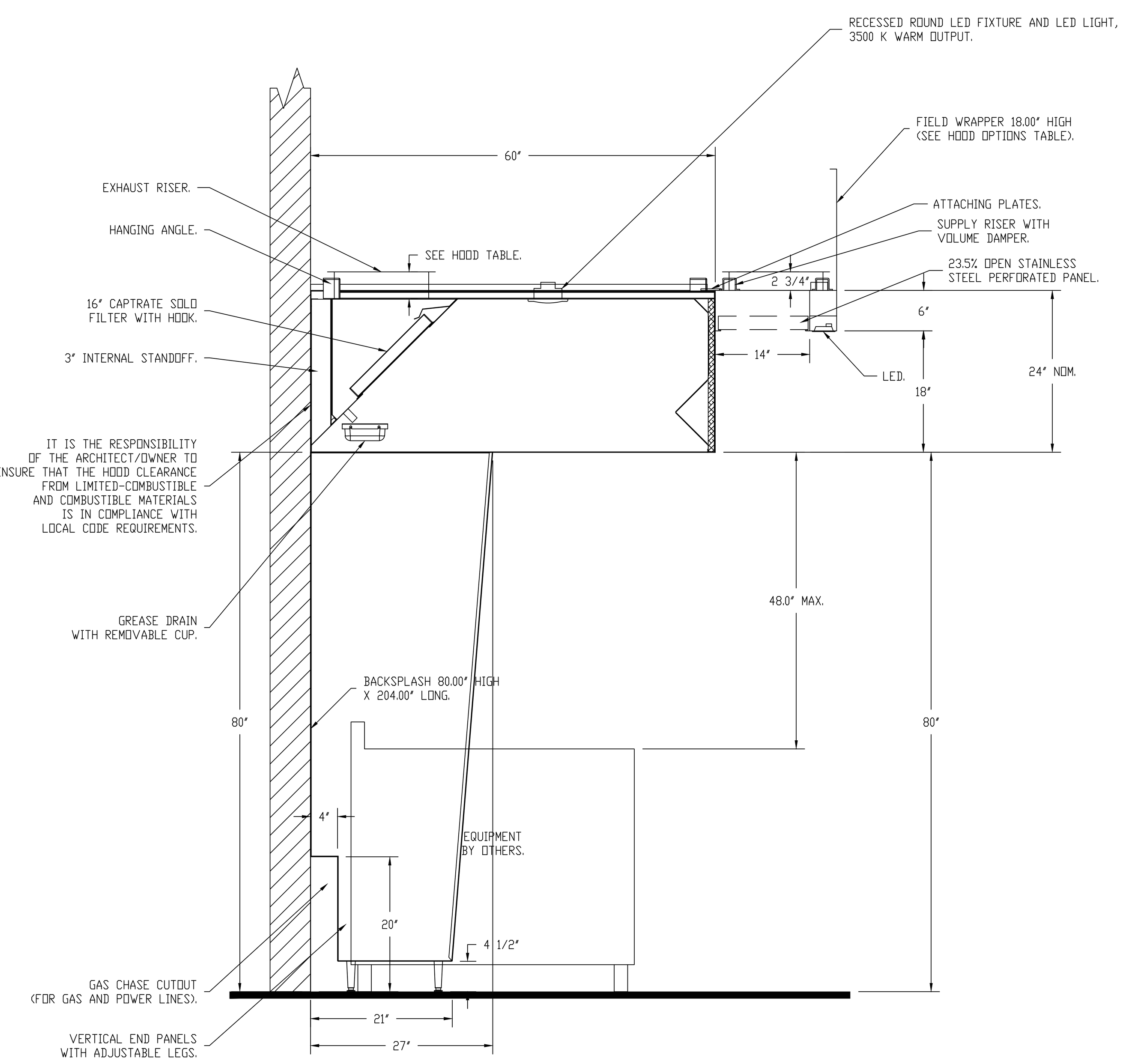


ND-2 VERTICAL ENDPANEL



PLAN VIEW – HOOD #1 (26, 27 – L)
8' 0.00" LONG 6024ND-2-PSP-F

PLAN VIEW – HOOD #2 (26, 27 – R)
8' 0.00" LONG 6024ND-2-PSP-F



SECTION VIEW – MODEL 6024ND-2-PSP-F
HOOD – #1 (26, 27 – L)
HOOD – #2 (26, 27 – R)

VERIFY CEILING HEIGHT
___' ___"
Height required to verify hood will fit and to size the enclosure panels (wrappers)

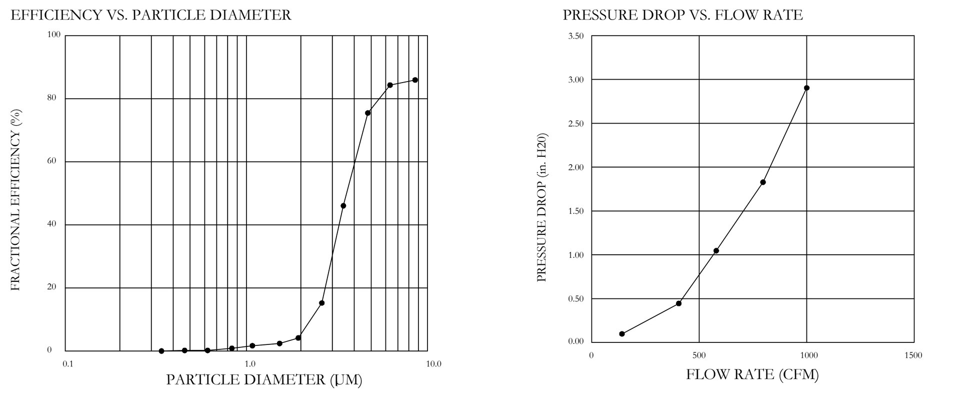
SPECIFICATION: CAPTRATE® GREASE-STOP® SOLO FILTER

THE CAPTRATE GREASE-STOP SOLO FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-BAFFLE DESIGN IN CONJUNCTION WITH A SLOTTED REAR BAFFLE DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

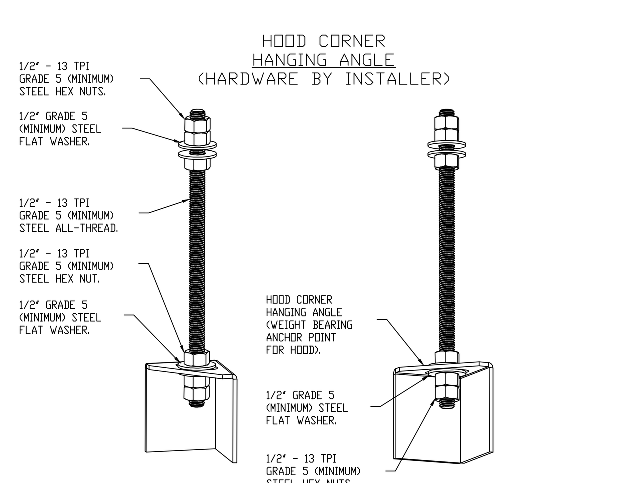
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.
THE CAPTRATE GREASE-STOP SOLO WAS TESTED TO ASTM STANDARD ASTM F2519-05.
MANUFACTURER APPROVED FOR USE IN SOLID FUEL APPLICATIONS AS A SPARK ARRESTER.

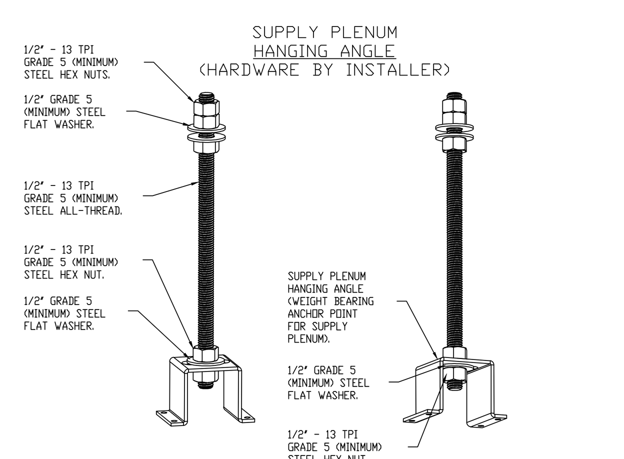


CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:.
NFPA #96.
NSF STANDARD #2.
UL STANDARD #1046.
INT. MECH. CODE (IMC).
ULC-S649.



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



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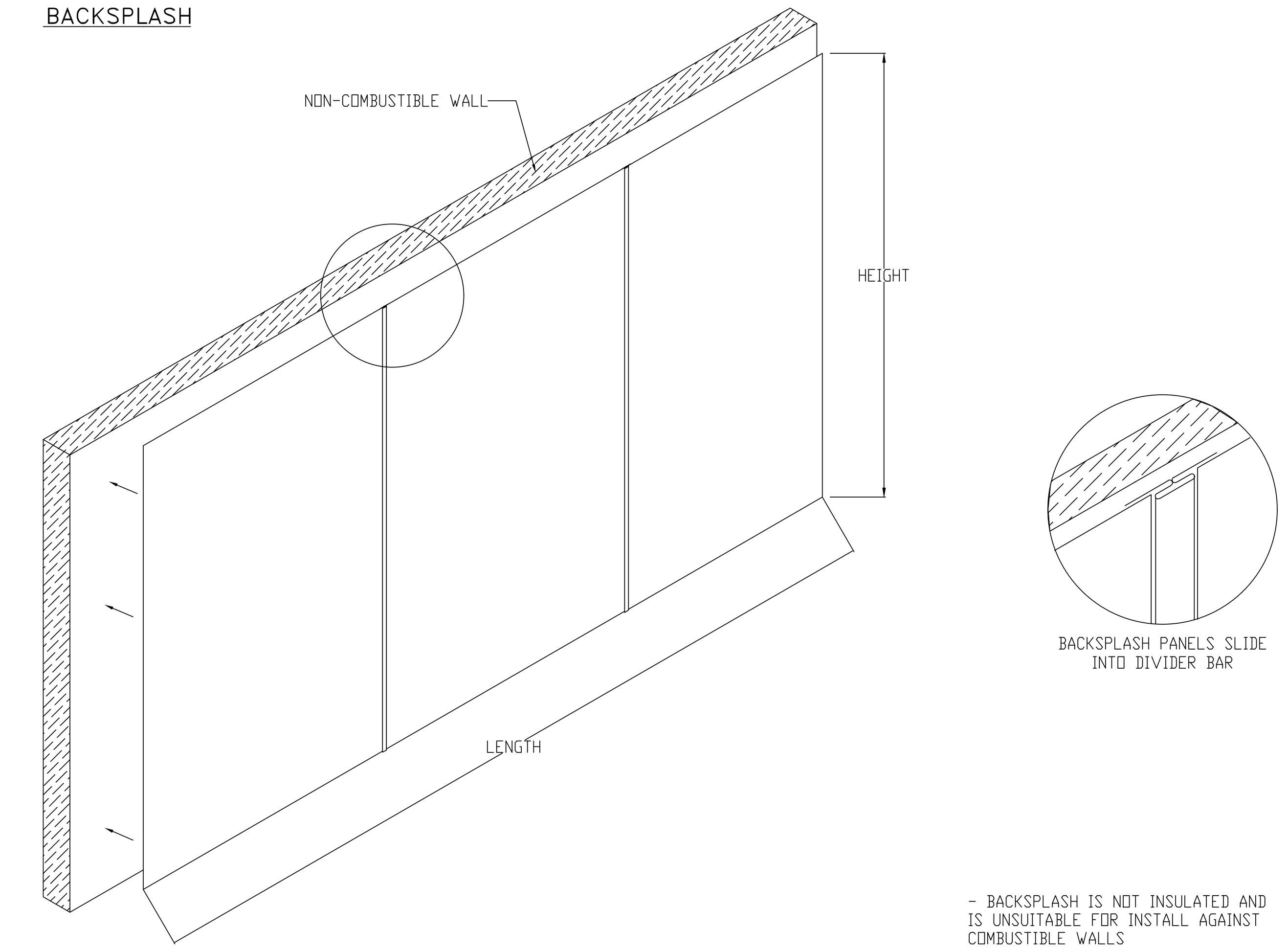
CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH
NFPA #96
UL 710 & ULC710 STANDARDS
E.T.L. LISTED 3054804-001

BACKSPLASH



- BACKSPLASH IS NOT INSULATED AND IS UNSUITABLE FOR INSTALL AGAINST COMBUSTIBLE WALLS

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
FOOD SERVICE EXHAUST HOOD PLAN, DETAILS & SCHEDULE

DATE	ISSUED TO
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
SCALE: AS NOTED
DRAWN BY: F & D
DRAWING NO.: FS.3
FILE NO.: 23505.02

PLOT DATE: November 22, 2024 – 1:08pm

FILE: C:\Users\RRADesigns\RRA Designs Dropbox\Brett Farrell\RRA Server\data\Drafting\Drawings\Schools\Brewster CV Starr\FS-ALL-Brewster CV.dwg

ELECTRICAL PACKAGE – JOB#6202127

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED				
				LOCATION	QUANTITY		TYPE	Φ	HP	VOLT	FLA
1	29	DCV-1111	UTILITY CABINET RIGHT	UTILITY CABINET RIGHT	1 LIGHT	SMART CONTROLS DCV	EXHAUST	3	3.000	208	9.5
				HOOD # 2	1 FAN		SUPPLY	3	2.000	208	6.6

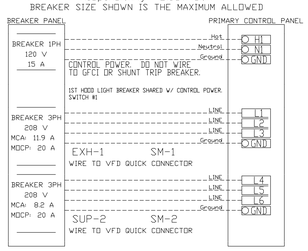
FAN MOTOR INFORMATION TO BE DETERMINED. INVERTER DUTY 3-PHASE MOTORS REQUIRED. FANS TO BE RUN OFF VFD'S PROVIDED BY & LOCATED INSIDE HOOD CONTROL PACKAGE.

JOB NO	MODEL NUMBER	DRAWN BY	SCHEMATIC TYPE	DESCRIPTION OF OPERATION:
6202127	DCV-1111		INSTALL	Demand Control Ventilation, w/ control for 1 Exhaust fan, 1 Supply fan, Exhaust on in Fire, Lights out in Fire, Fans modulate based on duct temperature. INVERTER DUTY 3 PHASE MOTOR REQUIRED FOR USE WITH VFD. Room temperature sensor shipped loose for Field installation.Verify distance between VFD and Motors; additional cost could apply if distance exceeds 50 feet.
	JOB NAME Brewster CV School	DATE 9/1/2023	DWG NO ECP #1-1	

BREAKER PANEL TO PRIMARY CONTROL PANEL

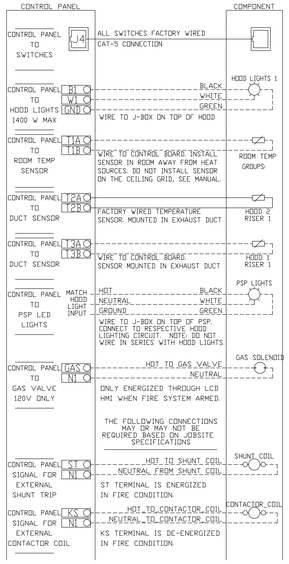
Responsibility: Electrician

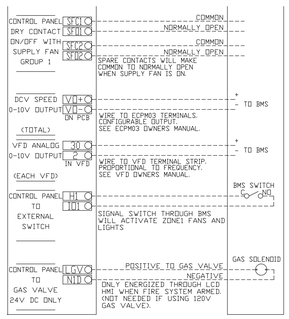
BREAKER SIZE SHOWN IS THE MAXIMUM ALLOWED



CONTROL PANEL TO ACCESSORY ITEMS

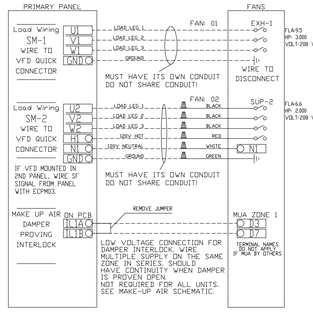
Responsibility: Electrician





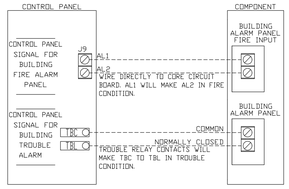
CONTROL PANEL TO FANS

Responsibility: Electrician



CONTROL PANEL TO FIRE SYSTEM

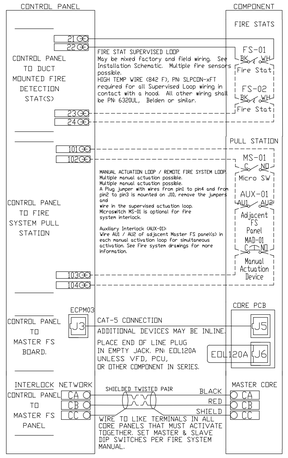
Responsibility: ALARM CONTRACTOR



JOB NO	MODEL NUMBER	DRAWN BY	SCHEMATIC TYPE	DESCRIPTION OF OPERATION:
6202127	DCV-1111		INSTALL	
	JOB NAME Brewster CV School	DATE 9/1/2023	DWG NO ECP #1-2	

CONTROL PANEL TO FIRE SYSTEM

Responsibility: CERTIFIED INSTALLER



JOB NO	MODEL NUMBER	DRAWN BY	SCHEMATIC TYPE	DESCRIPTION OF OPERATION:
6202127	DCV-1111		INSTALL	
	JOB NAME Brewster CV School	DATE 9/1/2023	DWG NO ECP #1-3	

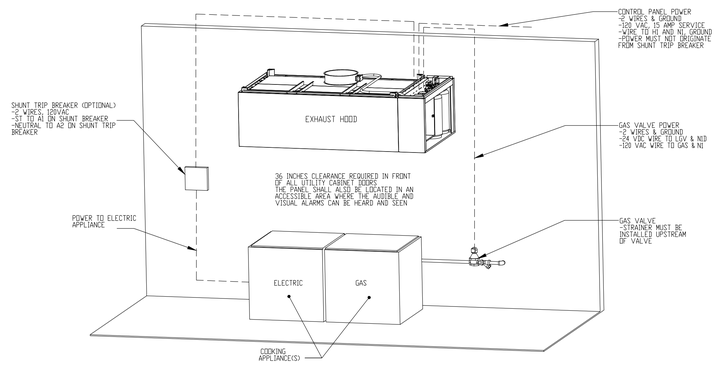
TANK PROTECTION ELECTRICAL DETAIL

02/10/2021 Rev. 2

ELECTRICIAN
1. WIRE MAIN CONTROL PANEL PER INCLUDED SCHEMATIC
2. WIRE ALL FANS PER INCLUDED SCHEMATIC
3. WIRE SHUNT TRIP BREAKER (OPTIONAL)
4. WIRE UDS APPLIANCE KILL SWITCH, IF EQUIPPED (OPTIONAL)
5. WIRE GAS VALVE

FS-1: MASTER

ELECTRICAL CONTRACTOR REQUIREMENT					
ITEM	CONNECTIION IN PANEL	CONNECTION IN DEVICE	VOLTAGE	AMPERAGE	COMMENTS
SHUNT TRIP BREAKER (OPTIONAL)	ST & N1	BREAKER COIL (A1 & A2)	120 VAC	< 4 AMPS	ST TO A1 ON SHUNT BREAKER COIL, AND NEUTRAL TO A2 ON SHUNT TRIP BREAKER COIL
CONTROL PANEL POWER	H1 & N1 + GROUND	CIRCUIT BREAKER	120 VAC	15 AMPS	CONTROL PANEL POWER MUST NOT BE RUN THROUGH SHUNT TRIP BREAKER
UDS APPLIANCE KILL SWITCH (OPTIONAL)	KTS & N1	KTS & N1	120 VAC	< 4 AMPS	KILL SWITCH TERMINALS MUST BE IN SERIES WITH OTHER KILL SWITCHES
REMOTE 120VAC ANSUL AUTOMAN (OPTIONAL)	AU1, AU2	SOLENOID	120 VAC	< 6 AMPS	120V TO AU1, AU2 TO ANSUL ELECTRIC AUTOMAN, ANSUL SOLENOID TO NEUTRAL
GAS VALVE	LGV & N1B (IF 24 VDC) GAS & N1 (IF 120 VAC)	RED/RED/GREEN	24 VDC OR 120 VAC	< 10 AMPS	IF 24 VDC - 2 WIRES & GROUND, N1D TO RED, LGV TO RED, AND GREEN TO GROUND IF 120 VAC - 2 WIRES & GROUND GAS TO RED, N1 TO RED, AND GREEN TO GROUND



NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

DEMAND CONTROL VENTILATION SYSTEM

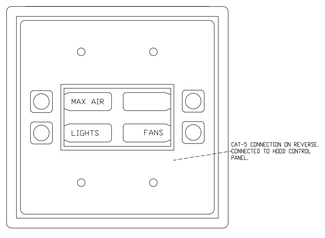
Controls shall be capable of reducing exhaust and supply airflow quantities by using a modulating speed control system. High and Low speeds shall be adjustable by variable frequency drives. A temperature switch in the exhaust duct shall control airflow set point. A MAX airflow override button shall be supplied with an adjustable timer.

Control shall be used in kitchen exhaust applications to reduce exhaust and supply air volumes while cooking appliances are idling.

The Demand Control Ventilation System complies with IMC 507.1.1 by interlocking with cooking appliances through means of a heat sensor to automatically activate exhaust fans during cooking operations.

Demand control ventilation systems are capable of modulating exhaust and make up air fan speeds per the requirements outlined in IECC 403.2.8.

HOOD CONTROL PACKAGE INTERFACE with LCD Screen LOCATED ON FACE OF HOOD CABINET



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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
FOOD SERVICE EXHAUST HOOD WIRING DIAGRAMS

DATE	ISSUED TO
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

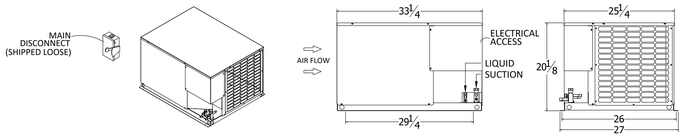
SHEET SIZE 30"x42"
DRAWING NO. FS.4
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.02

PLOT DATE: November 22, 2024 - 1:08pm

FILE: C:\Users\RRADesigns\RRA Designs Dropbox\Brett Farrell\RRA Server\data\Drafting\Drawings\Schools\Brewster CV Starr\FS-ALL-Brewster CV.dwg

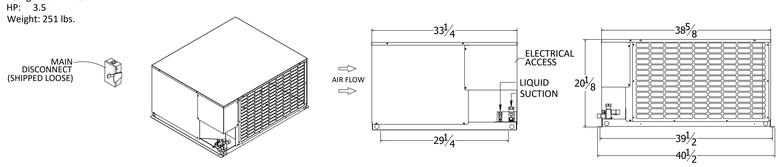
ITEM NO. 11 WALK-IN COOLER

Model No. - PCM009ZCT3A
Qty. 1
Type: Outdoor Air Cooled
Voltage: 208/60/3
Refrigerant: R-448a
HP: 0.9
Weight: 189 lbs.

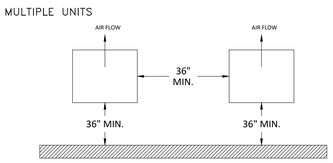


ITEM NO. 5 WALK-IN FREEZER

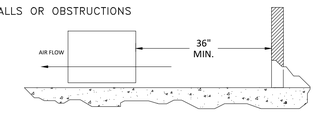
Model No. PCL035ZCT3A
Qty. 1
Type: Outdoor Air Cooled
Voltage: 208/60/3
Refrigerant: R-448a
HP: 3.5
Weight: 251 lbs.



CLEARANCE REQUIREMENTS: PC SERIES (TYPICAL)



For units placed side by side, the minimum distance between units is the width of the largest unit. If units placed end to end, the minimum distance between the units is 4 feet.



The unit should be located so that air may circulate freely and not be re-circulated. For proper air flow and access, all sides of the unit should be a minimum of "W" away from any wall or obstruction. It is preferred that this distance be increased whenever possible. Care should be taken to see that ample room is left for maintenance work through access doors and panels. Overhead obstructions are not permitted.

EACH CONDENSING UNIT EQUIPPED WITH:

- MAIN DISCONNECT (SHIPPED LOOSE)
- DEMAND DEFROST CONTROLLERS
- POWDER COATED STEEL CABINET
- CRANKCASE HEATERS
- HEAD PRESSURE CONTROL VALVE
- DUAL PRESSURE CONTROL
- LIQUID LINE DRIER & SIGHT GLASS
- SUCTION LINE FILTER
- EEV'S & SUCTION TRANSDUCERS ON COILS
- HEATED & INSULATED RECEIVERS

ENGINEERING SUMMARY

CONDENSING UNIT ITEM #	SYSTEM	FIXTURES ITEM #	FIXTURES DESCRIPTION	FIXTURES TEMP °F FIXT.	FIXTURES TEMP °F SUCT.	FIXTURES REQ'D FIXTURE BTU/H	FIXTURES REFRIG. R-	CONDENSING UNIT MODEL NO.	COMPRESSOR H.P.	COMPRESSOR RATING @ 60 HZ RLA	COMPRESSOR RATING @ 60 HZ V	COMPRESSOR RATING @ 60 HZ PH	BTU CAP @ AMB °F 90	COMPRESSOR TYPE	REC. CAP. (lbs)	EVAPORATOR COILS ITEM #	EVAPORATOR COILS MODEL NO.	QTY	FAN MOTORS @ 60 HZ RLA	FAN MOTORS @ 60 HZ V	FAN MOTORS @ 60 HZ PH	HEATERS @ 60 HZ RLA	HEATERS @ 60 HZ V	HEATERS @ 60 HZ PH	DEFR. TYPE	DEFROST CONTROLLER TYPE	CONTROLLER QTY.	ACCESSORIES TSTAT	ACCESSORIES SOL. VALVE	ACCESSORIES EXP. V.L.V.	REFRIGERANT LINE SIZES (IN) SUCT.	REFRIGERANT LINE SIZES (IN) LIQUID	LINE RUN (FT)	TYPE	TOTAL SYSTEM LOAD	MCA	MOPD
11	A	10	WALK-IN COOLER	35	25	9762	448A	PCM009ZCT3A	0.9	5.2	208	3	10200	Z	8.0	11.1	BEL0095	1	1.8	115	1				O.C.	ECOSMART	1	F	F	EF	5/8	3/8	100	M	5.2	15.0	15
5	B	4	WALK-IN FREEZER	-10	-20	10964	448A	PCL035ZCT3A	3.5	11.9	208	3	11600	Z	15.0	5.1	BEL0130	1	1.5	208	1	13.7	208	1	ELEC	ECOSMART	1	F	F	EF	1-1/8	1/2	100	M	11.9	20.0	25

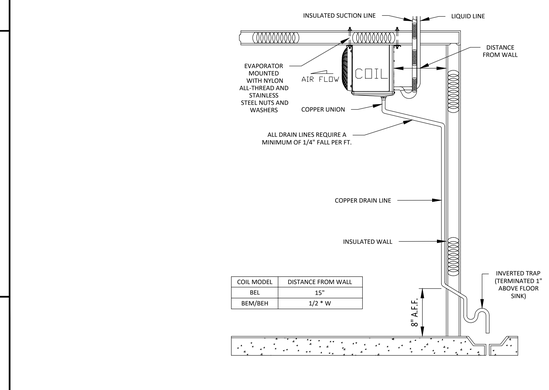
ALL EVAPORATOR COILS WILL REQUIRE A HOUSE POWER SUPPLY

c UL us LISTED

NOTE:
IT IS THE INSTALLING CONTRACTORS RESPONSIBILITY TO FOLLOW ALL APPLICABLE CODES AND CURRENT REFRIGERATION INDUSTRY STANDARDS AND PRACTICES WHEN DETERMINING LINE SIZES, AND INSTALLING AND STARTING UP RDT EQUIPMENT.

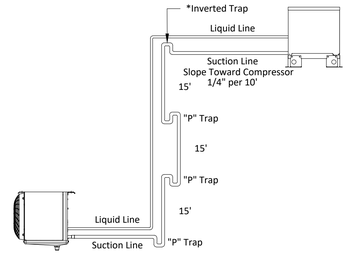
COMPRESSOR TYPE	DEFROST TYPE	LINE TYPE	EVAPORATOR ACCESSORIES
Z SCROLL	O.C. OFF CYCLE	M MAIN	EF EEV FACTORY EQUIPPED ON EVAP
H HERMETIC	ELEC ELECTRIC	B BRANCH	TF TXV FACTORY EQUIPPED ON EVAP
S SEMI-HERMETIC		T TRUNK	F FACTORY EQUIPPED ON EVAP
D DISCUS			O PROVIDED BY OTHERS
			L LOOSE (FIELD INSTALLATION)

EVAPORATOR MOUNTING DETAIL (TYPICAL)



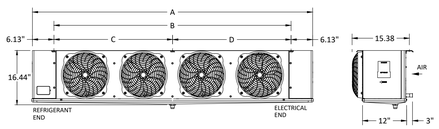
COIL MODEL	DISTANCE FROM WALL
BEL	15"
BEM/BEH	1/2 * W

SUCTION LINE VERTICAL RISE DETAIL



- Install trap every transition from horizontal to vertical.
- Insulate suction lines with 3/4" wall Armaflex insulation.
- All joints brazed with minimum 15% silver content brazing rod.
- Install "P" trap on suction line every 15' vertical rise.
- Not to exceed 45' vertically over all.
- *If compressor is above the evaporator, Install inverted trap on top of the rise to prevent oil from seeping down when fixture(s) is turned off.

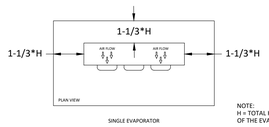
EVAPORATOR DETAILS - MODEL BEL



AIR DEFROST Size	DIMENSIONS A	B	C	D	CONNECTIONS (Inches)			Approx. Net Wt.	ELECTRICAL DATA Qty. Motors	EC Motor Fan Amps 115V	EC Motor Fan Amps 208V
	Inches	Inches	Inches	Inches	Coil Inlet	Suction	Drain	Lbs.			
095	45-1/2	33-1/4	-	-	1/2 OD	5/8 OD	3/4 MPT	51	2	1.8	1.0

ELECTRIC DEFROST	DIMENSIONS A	B	C	D	CONNECTIONS (Inches)			Approx. Net Wt.	ELECTRICAL DATA Qty. Motors	EC Motor Fan Amps	Heater Amps as wired for 208-230/60/1	208-230/60/3	460/60/1
	Inches	Inches	Inches	Inches	Coil Inlet	Suction	Drain	Lbs.					
130	61-1/2	49-1/4	-	-	1/2 OD	7/8 OD	3/4 MPT	71	3	1.5	13.7	8.5	6.8

EVAPORATOR PLACEMENT & CLEARANCE REQUIREMENTS LOW PROFILE EVAPORATOR COILS (I.E. - BEL)



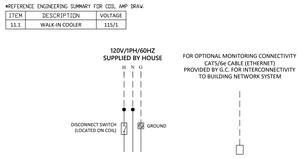
SINGLE EVAPORATOR

NOTE:
H = TOTAL HEIGHT OF THE EVAP. COIL

WIRING DIAGRAM - ECO-SMART - AKOA1AE DEMAND DEFROST CONTROLLER FOR WALK-IN COOLER WITH ONE COIL 115/60/1

*REFERENCE ENGINEERING SUMMARY FOR COIL AMP DRAW.

ITEM	DESCRIPTION	VOLTAGE
11.1	WALK-IN COOLER	115/1



Note: Controller provided pre-mounted to housing of evaporator assembly.

Wiring Schedule for Electrical Contractor Requirements:

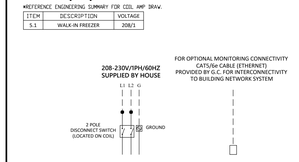
PRIMARY COIL
(3) 115V 12AWG MIN. TO PROVIDE HOUSE POWER TO THE COIL (HOT, NEUTRAL, GROUND)

FACTORY WIRING
FIELD WIRING

WIRING DIAGRAM - ECO-SMART - AKOB1EE DEMAND DEFROST CONTROLLER FOR WALK-IN FREEZER WITH ONE COIL 208-230/60/1

*REFERENCE ENGINEERING SUMMARY FOR COIL AMP DRAW.

ITEM	DESCRIPTION	VOLTAGE
5.1	WALK-IN FREEZER	208/1



Note: Controller provided pre-mounted to housing of evaporator assembly.

Wiring Schedule for Electrical Contractor Requirements:

PRIMARY COIL
(3) 208V (AWG SIZE ACCORDING TO HEATER LOAD AND LOCAL CODE) TO PROVIDE HOUSE POWER TO THE COIL (L1, L2 AND GROUND)

FACTORY WIRING
FIELD WIRING

POLARCRAFT SERIES ENGINEERING SPECIFICATIONS

Single compressor, outdoor, air cooled. The refrigeration package shall be a pre-engineered and factory-assembled unit, trade name "Polarcraft", as manufactured by Refrigeration Design Technologies, 1808 FM Road 66, P.O. Box 622, Waxahachie, Texas 75167. Phone: (972) 937-3215; Fax: (972) 937-0970.

1. Air-Cooled Refrigeration System
The RDT UL Listed "Air-Cooled" Refrigeration system shall be housed in a weather-protected compact steel frame. The entire housing shall be powder-coated steel. The unit shall include an air-cooled aluminum fin copper tube condenser. The exterior housing shall feature a one piece grille for air flow. Lifting points shall be integrated in the framing component. Condenser fan motors shall be mounted within the enclosure. An optional hail guard is available.

Each unit shall be equipped with a high efficiency fan motor(s), sight glass, liquid filter/drier, liquid line inlet and outlet valve. Each unit shall be equipped with a head pressure regulator for low ambient conditions.

Condensing unit shall contain a scroll type compressor assembled to operate with the refrigerant specified for both medium and low temperature applications.

2. Evaporator Coils
A. Evaporator coils shall be direct expansion type fabricated of copper tubes with aluminum fins.
B. All evaporator coils shall be provided with solenoid valve, thermostatic or electronic expansion valve and thermostat.

3. Pre-Piping
All refrigerant lines shall be extended to outside of the housing in a neat and orderly manner. All tubing shall be securely supported and anchored with non-corrosive coated clamps.

All joints must be brazed.

All piping and controls shall be factory pressure-tested with dry nitrogen.

1. Control Panel
The package shall have a factory-mounted and pre-wired control panel, with main disconnect (non fused) where required, circuit breakers, contactors wired for single point power connection.

General Information
Contractors shall verify all dimensions onsite and coordinate with other trades.

General contractor shall prepare the platform, curbed openings and weatherproofing the unit after installation.

Refrigeration Contractor
All copper tubing to be refrigerant grade. A.C.R. or type "L".

Brazing should be used for all refrigerant piping. Silver solder or soft solder is not acceptable.

All piping to be pressure tested with nitrogen at 300 psi. After the condensing unit and coil have been connected the balance of the system shall be leak tested with the valves open at 200 psi.

The complete system shall be evacuated with a vacuum pump. Each unit should be charged tested and adjusted to assure operation.

Contractor should provide and install the drain-line heater in freezer. Heater shall be connected by electrical contractor. Seal all penetrations through the walk-in units with foam.

Electrical Contractor
Electrical contractor to provide power for refrigeration package and connect control and defrost system as called for in the wiring diagram.

Electrical contractor to connect drain-line heater in the freezer.

All electrical wiring and installation shall be in accordance with the wiring diagram and local codes. Seal all penetrations through the walk-in units with foam.

Plumbing Contractor
Plumbing contractor to provide copper drain lines for walk-in refrigerator and freezer, pitched 1/4" per foot of run. Trap drain-line outside of refrigerated space to avoid entrance of warm, moist air.

All plumbing installation shall be in accordance with local codes.

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

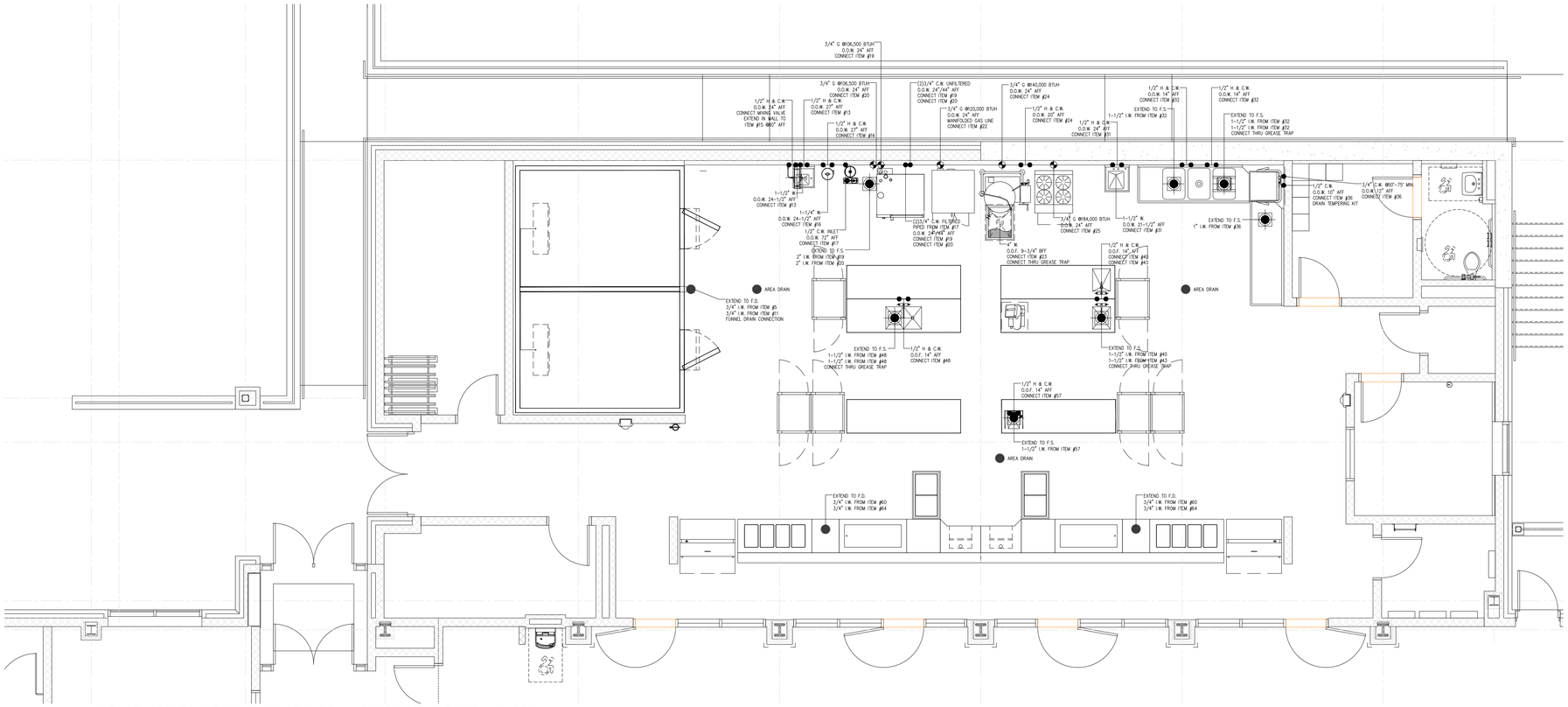
DRAWING TITLE
FOOD SERVICE REFRIGERATION DATA

DATE	ISSUED TO
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. FS.5
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.02

PLOT DATE: November 22, 2024 - 1:08pm

FILE: C:\Users\RRADesigns\RRA Designs Dropbox\Brett Farrell\RRA Server\data\Drafting\Drawings\Schools\Brewster CV Starr\FS-ALL-Brewster CV.dwg



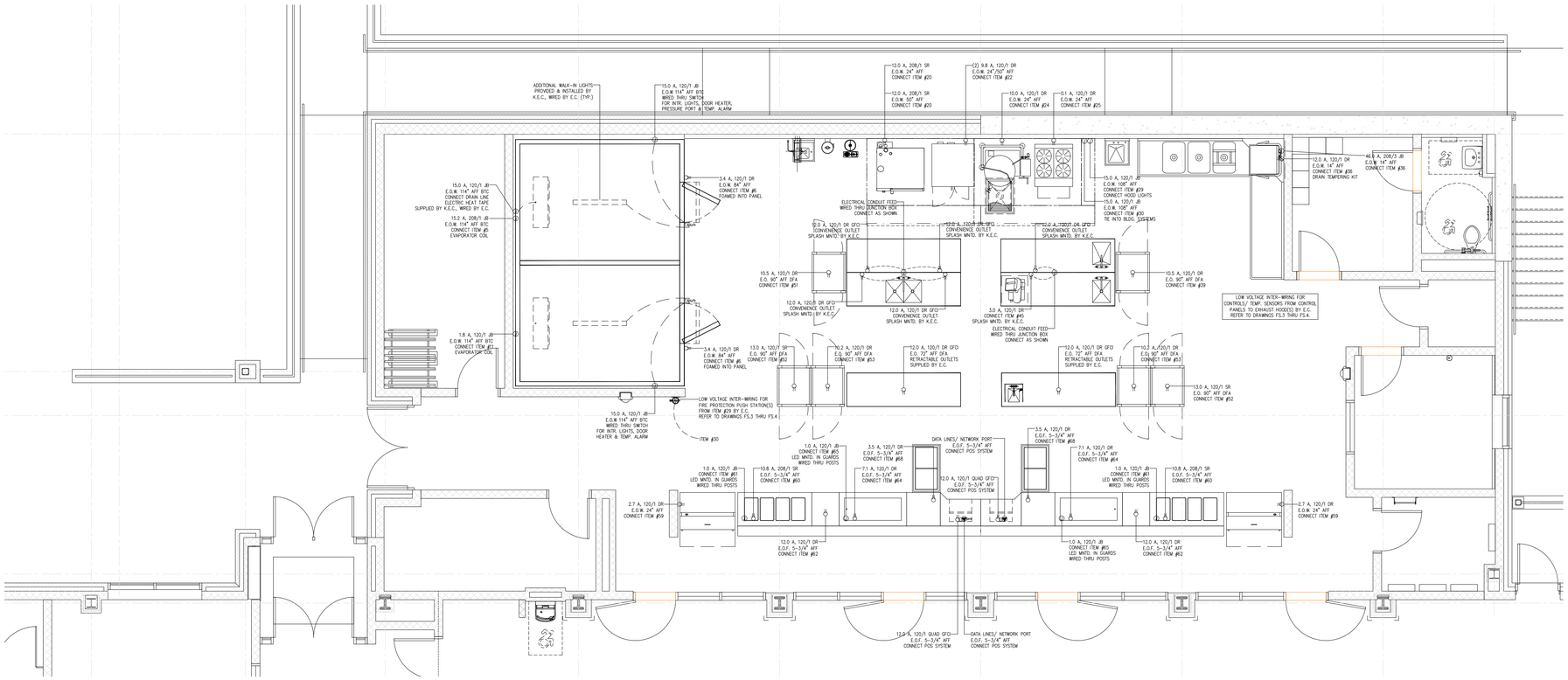
1 FOOD SERVICE PLUMBING CONNECTIONS PLAN
SCALE: 1/4" = 1'-0"

PLUMBING LEGEND	
H.W.	HOT WATER
C.W.	COLD WATER
W	DIRECT WASTE
I.W.	INDIRECT WASTE
F.D.	FLOOR DRAIN
F.S.	FLOOR SINK
G	GAS
O.O.W.	OUT OF WALL
O.O.F.	OUT OF FLOOR
AFF	ABOVE FINISHED FLOOR
BTC	BRANCH TO CONNECTION
P.C.	PLUMBING CONTRACTOR

PLUMBING NOTES:

1) P.C. TO PROVIDE HUB DRAINS FOR ALL INDIRECT WASTE LINES AND RETAIN AIR GAPS AS REQUIRED.

2) P.C. TO CHECK ALL CONDITIONS AND VERIFY ALL DIMENSIONS PRIOR TO WORK.



1 FOOD SERVICE ELECTRICAL CONNECTIONS PLAN
SCALE: 1/4" = 1'-0"

ELECTRICAL LEGEND	
JB	JUNCTION BOX
DR	DUPLEX RECEPTACLE
SR	SIMPLEX RECEPTACLE
E.O.W.	ELECTRICAL OUT OF WALL
E.O.F.	ELECTRICAL OUT OF FLOOR
D.F.A.	DOWN FROM ABOVE
AFF	ABOVE FINISHED FLOOR
BTC	BRANCH TO CONNECTION
A	AMPS
HP	HORSEPOWER
kW	KILOWATT
E.C.	ELECTRICAL CONTRACTOR

ELECTRICAL NOTES:

1) ALL WALL OUTLETS ARE FROM AFF TO BOTTOM OF BOX.

2) E.C. TO CHECK ALL CONDITIONS AND VERIFY ALL DIMENSIONS PRIOR TO WORK.

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
FOOD SERVICE UTILITY CONNECTIONS PLAN & NOTES

DATE	ISSUED TO
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. FS.6
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.02

PLOT DATE: November 22, 2024 - 1:08pm

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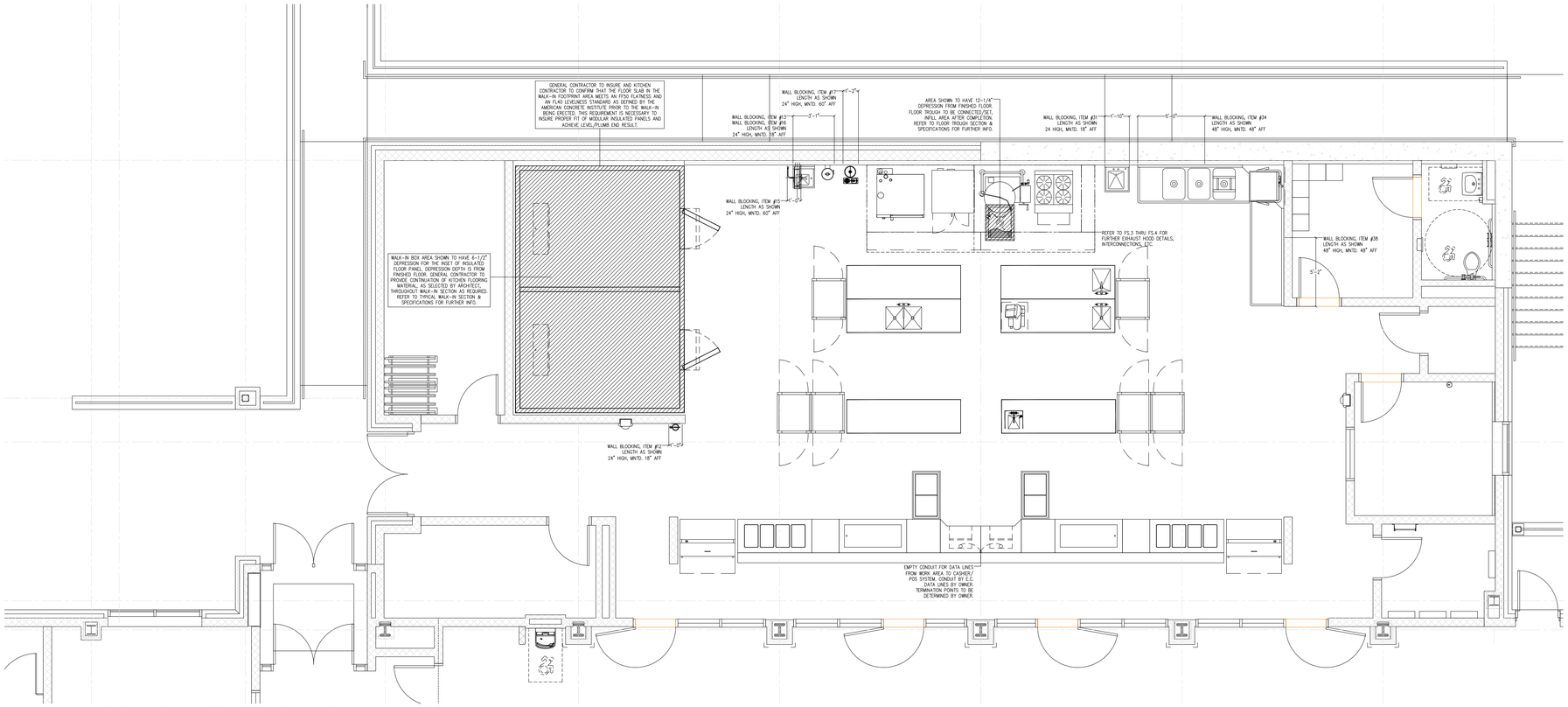

1 FOOD SERVICE SPECIAL CONDITIONS PLAN
SCALE: 1/4" = 1'-0"

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

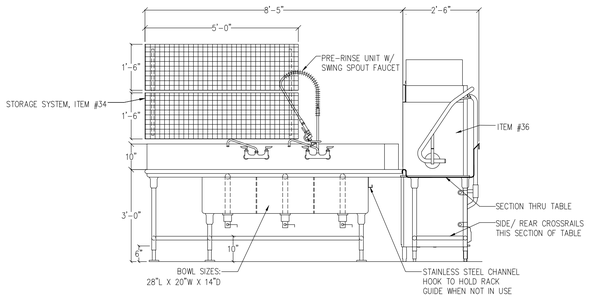
PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
FOOD SERVICE SPECIAL CONDITIONS PLAN & NOTES

DATE	ISSUED TO
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

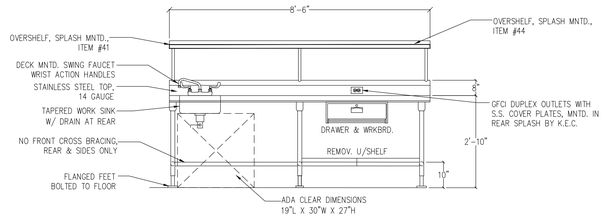
SHEET SIZE 30"x42"
DRAWING NO. FS.7
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.02

PLOT DATE: November 22, 2024 - 1:08pm
FILE: C:\Users\RRADesigns\RRA Designs Dropbox\Brett Farrell\RRA Server\data\Drafting\Drawings\Schools\Brewster CV Starr\FS-ALL-Brewster CV.dwg



ELEVATION OF ITEM #32

SCALE: 1/2"=1'-0"



ELEVATION OF ITEM #40

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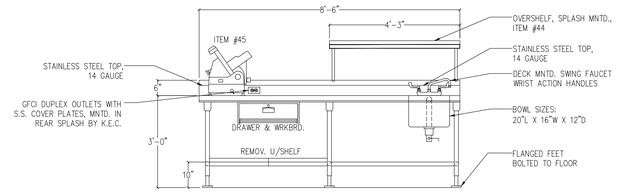
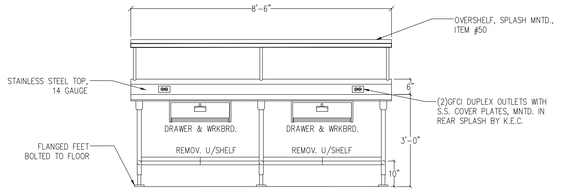


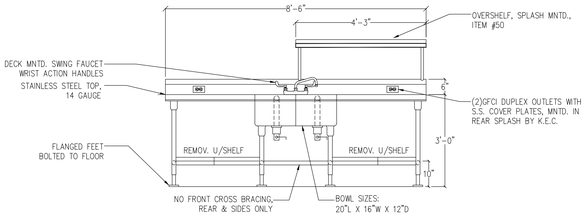
ELEVATION OF ITEM #43

SCALE: 1/2"=1'-0"



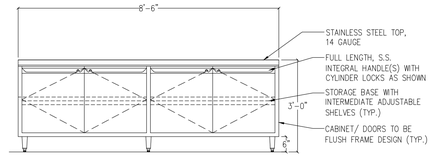
ELEVATION OF ITEM #46

SCALE: 1/2"=1'-0"



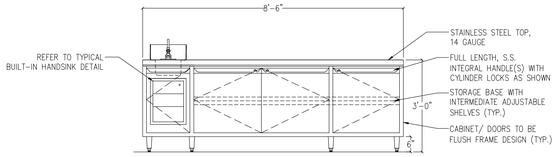
ELEVATION OF ITEM #48

SCALE: 1/2"=1'-0"



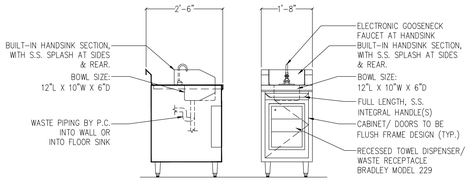
ELEVATION OF ITEM #54

SCALE: 1/2"=1'-0"



ELEVATION OF ITEM #55

SCALE: 1/2"=1'-0"



TYP. BUILT-IN HANDSINK

SCALE: 1/2"=1'-0"

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
FOOD SERVICE ELEVATIONS, SECTIONS & DETAILS

DATE	ISSUED TO
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: FS.8
SCALE: AS NOTED
DRAWN BY: F & D
FILE NO.: 23505.02

PLOT DATE: November 22, 2024 - 1:08pm

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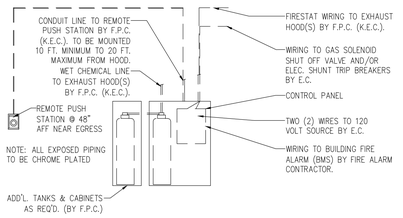
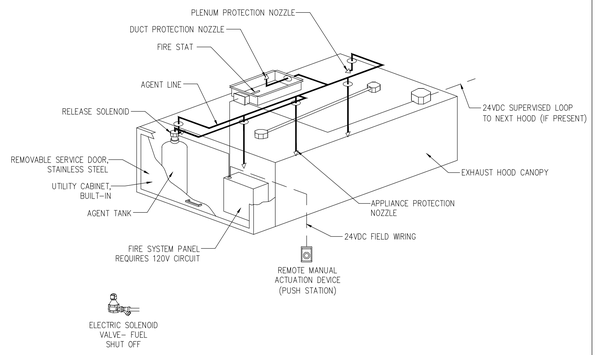


- F.P.C. (FIRE PROTECTION CONTRACTOR) IS A SUB FOR THE K.E.C. (KITCHEN EQUIPMENT CONTRACTOR).
- GAS SOLENOID VALVE PROVIDED BY F.P.C. (K.E.C.). ELECTRICAL SHUNT TRIP BREAKERS PROVIDED BY E.C.
- IN ACCORDANCE WITH NFPA 17A & NFPA 96.
- UL-300 TANK FIRE SUPPRESSION SYSTEM

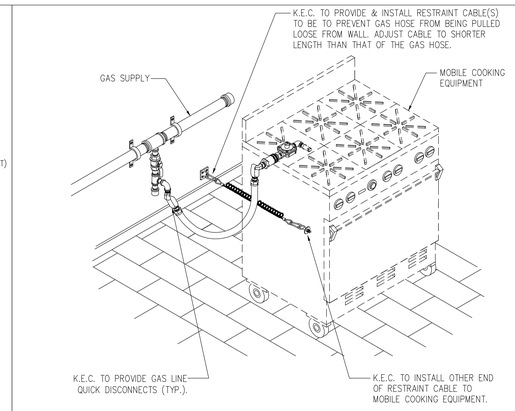
FIRE PROTECTION SYSTEM SEQUENCE OF OPERATION

- SYSTEM IS ENGAGED BY HOOD FIRESTAT(S) OR MANUAL OPERATION OF REMOTE PUSH STATION
- SYSTEM DISCHARGES CHEMICAL THROUGHOUT INSTALLED AREA
- ALL SHARED DUCTWORK TO THE HAZARD AREA MUST DISCHARGE SIMULTANEOUSLY ALONG WITH ANY POLLUTION CONTROL DEVICE PROTECTION
- ALL GAS SUPPLY BENEATH THE HOOD AREA SHALL BE SHUT OFF
- ALL ELECTRIC SUPPLY BENEATH THE HOOD AREA SHALL BE SHUT OFF- EXCEPTION: EXHAUST FAN ONLY SHALL REMAIN OPERATIONAL
- FIRE ALARM AND/OR BUILDING MONITORING SYSTEM SHALL BE NOTIFIED
- AFTER AUTOMATIC SHUTDOWN, MANUAL OR AUTOMATIC RESET IS REQUIRED

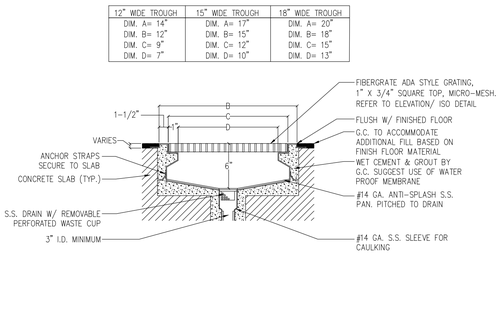
TYPICAL DETAIL | FIRE PROTECTION SYSTEM | SCALE: N.T.S.



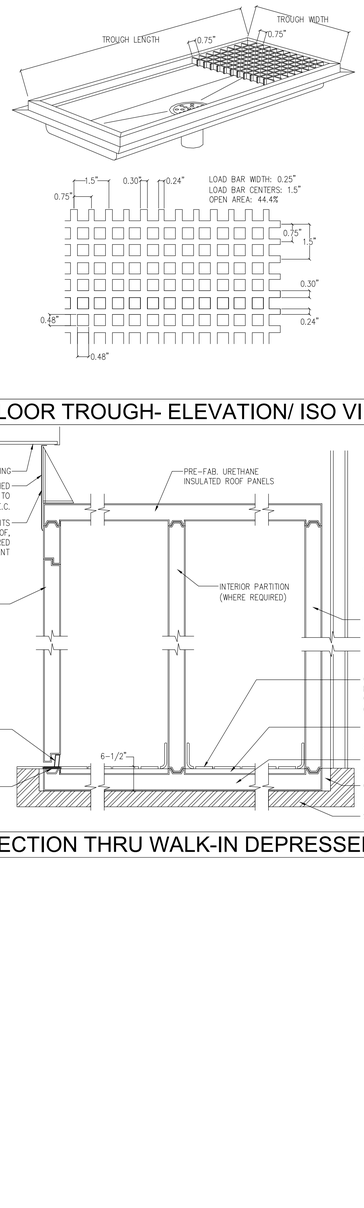
TYPICAL DETAIL | FIRE PROTECTION SYSTEM INSTALL | SCALE: N.T.S.



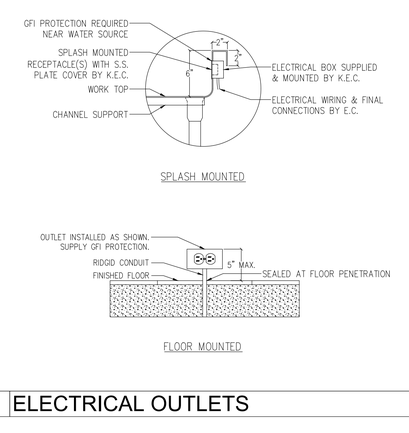
TYPICAL DETAIL | QUICK DISCONNECT GAS ASSEMBLY | SCALE: N.T.S.



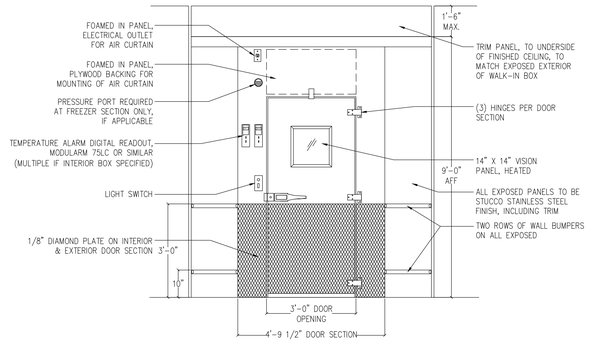
TYPICAL DETAIL | FLOOR TROUGH- SECTION VIEW | SCALE: 1-1/2"=1'-0"



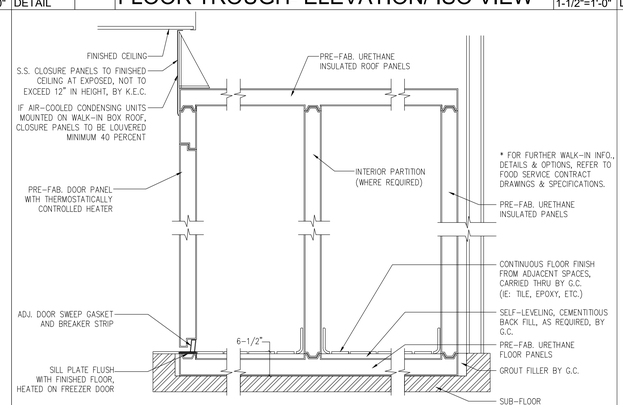
TYPICAL DETAIL | FLOOR TROUGH- ELEVATION/ ISO VIEW | SCALE: 1-1/2"=1'-0"



TYPICAL DETAIL | ELECTRICAL OUTLETS | SCALE: N.T.S.



TYPICAL DETAIL | WALK-IN DOOR SECTION | SCALE: N.T.S.



TYPICAL DETAIL | SECTION THRU WALK-IN DEPRESSED | SCALE: 3/4"=1'-0"

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

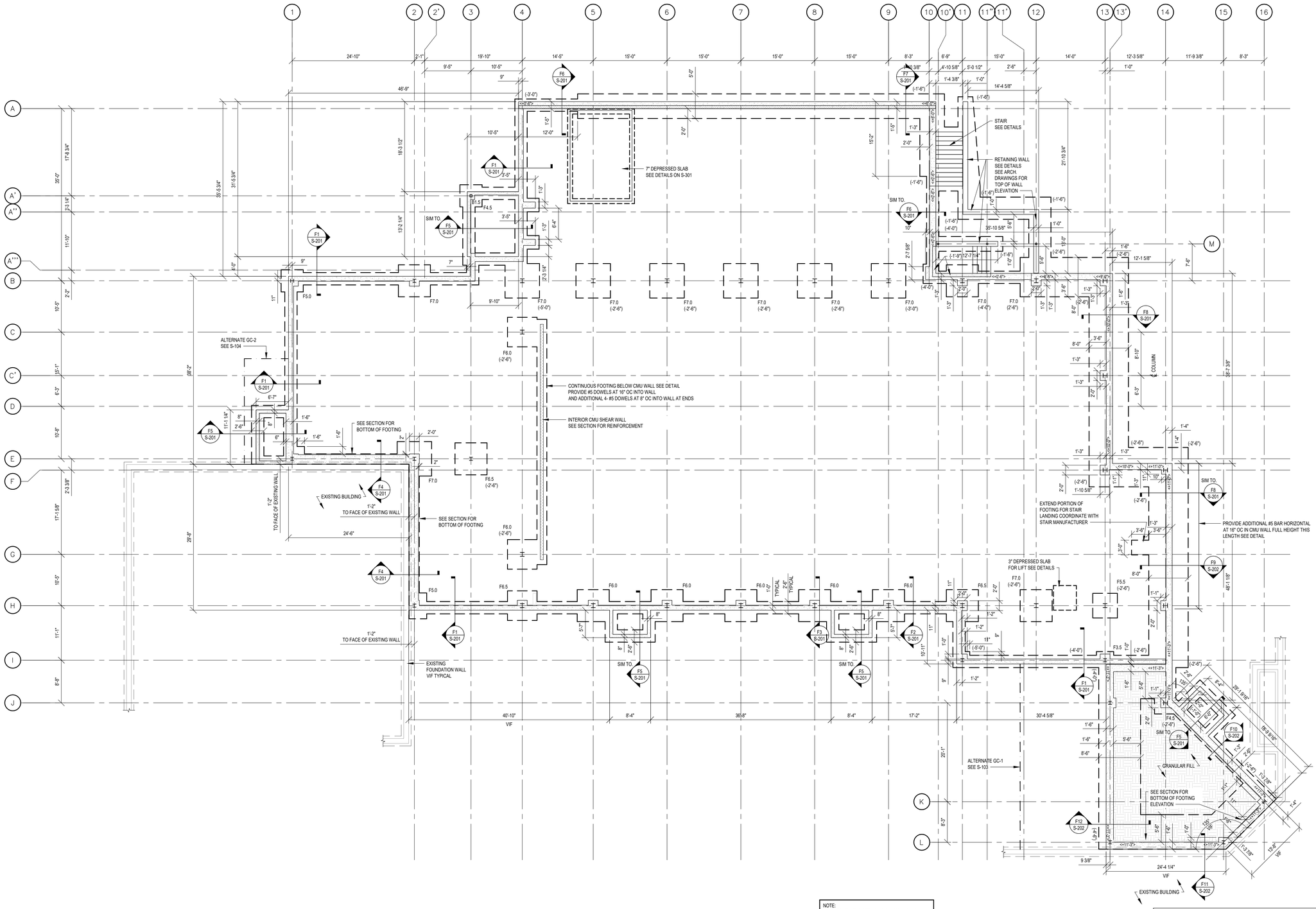
DRAWING TITLE
FOOD SERVICE TYPICAL DETAILS & NOTES

DATE	ISSUED TO
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42" | DRAWING NO. FS.9
SCALE AS NOTED
DRAWN BY F & D | FILE NO. 23505.02

PLOT DATE: November 22, 2024 - 1:08pm

FILE: C:\Users\RRADesigns\RRA Designs Dropbox\Brett Farrell\RRA Server\data\Drafting\Drawings\Schools\Brewster CV Starr\FS-ALL-Brewster CV.dwg



NOTE:
LOCATION OF MECHANICAL PENETRATIONS IN FOUNDATION WALL ARE SHOWN ON THE MECHANICAL DRAWINGS SEE TYPICAL STRUCTURAL DETAIL ON S-301

FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

NOTES:

1. DATUM FOR ALL ELEVATIONS SHOWN ON PLAN IS TOP OF SLAB ELEVATION (00) FOR ACTUAL ELEVATION SEE ARCHITECTURAL DRAWINGS.
2. TOP OF SLAB IS (00) UNLESS OTHERWISE NOTED THUS (± —) ON PLAN.
3. TOP OF ALL CONCRETE WALLS IS <-1-0"> UNLESS OTHERWISE NOTED THUS <± --> ON PLAN.
4. TOP OF ALL CONCRETE SHELF NOTED THUS ' (± --) ' ON PLAN.
5. SLAB ON GRADE SHALL BE 6" THICK W/ 6X- W2.1 X W2.1 WWF OVER VAPOR BARRIER AND 6" OF CRUSHED STONE.
6. ALL CONCRETE BUTTRESSES SHALL BE 2'-0" X 2'-0" W/ 8- #7 VERTICAL AND 3- #3 TIES AT 3" OC TOP AND AT 12" OC UNLESS OTHERWISE NOTED ON PLAN.
7. " B1.5 " DENOTES BUTTRESS 1'-6" X 1'-6" W/ 4- #7 VERTICAL AND 3- #3 TIES AT 3" OC TOP AND AT 12" OC
8. BOTTOM OF ALL FOOTINGS IS (-0'-0") UNLESS OTHERWISE NOTED THUS (± —) ON PLAN.
9. FOOTINGS SHALL BE CENTERED UNDER COLUMNS UNLESS OTHERWISE NOTED ON PLAN.
10. BOTTOM OF FOOTING IS FOR ESTIMATION PURPOSES ONLY. ACTUAL ELEVATION TO BE ADJUSTED IN THE FIELD.
11. PROVIDE CONTINUOUS FOOTING UNDER ALL CMU WALLS - SEE DETAIL. SEE ARCHITECTURAL DRAWINGS FOR WALL LOCATION.
12. PRIOR TO START OF WORK CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS SHOWN ON DRAWINGS AND NOTIFY ENGINEER OF ANY DISCREPANCIES THAT COULD AFFECT THE INDICATED WORK.

MINIMUM CONCRETE COVER FOR STEEL REINFORCEMENT, IN.

CONCRETE CAST AGAINST EARTH	3
CONCRETE EXPOSED TO EARTH OR WEATHER	
#6 AND LARGER	2
#5 AND SMALLER	1 1/2
CONCRETE NOT EXPOSED TO EARTH OR WEATHER	
SLABS, WALLS & JOISTS (#11 AND SMALLER)	3/4
BEAMS AND COLUMNS	1 1/2

FOOTING SCHEDULE

MARK	SIZE	DEPTH	REINFORCING EACH WAY
F 3.5	3'-6" X 3'-6"	1'-0"	4- #5 BOTTOM
F 4.5	4'-6" X 4'-6"	1'-0"	4- #5 BOTTOM
F 5.0	5'-0" X 5'-0"	1'-0"	6- #5 BOTTOM
F 6.0	6'-0" X 6'-0"	1'-4"	6- #6 BOTTOM
F 6.5	6'-6" X 6'-6"	1'-4"	7- #6 BOTTOM
F 7.0	7'-0" X 7'-0"	1'-6"	7- #6 BOTTOM

NOTE: FOOTINGS SHALL BE CENTERED UNDER COLUMNS UNLESS OTHERWISE NOTED ON PLAN

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LICENCE EXP. DATE: 10-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

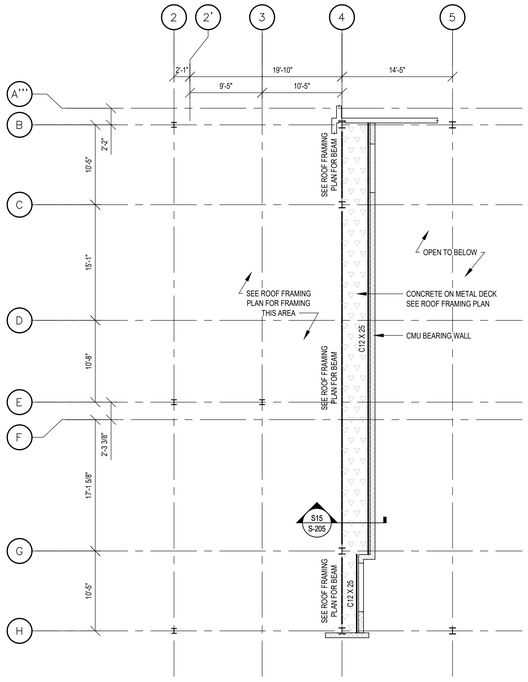
PROJECT TITLE
CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
RENOVATION & ADDITION INTERIOR
CAFETORIUM & ADDITION
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
FOUNDATION PLAN

PROJECT # 23041

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	S.E.D SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO: CVS S-101
SCALE: AS NOTED
DRAWN BY: F & D
FILE NO.: 23505.02

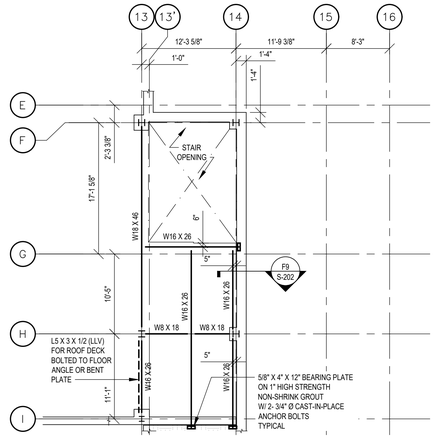


PARTIAL FIRST FLOOR FRAMING PLAN

SCALE: 1/8" = 1'-0"

NOTES:

1. DATUM FOR ALL ELEVATIONS GIVEN ON THIS PLAN IS TOP OF FLOOR SLAB AT ELEVATION ±0. FOR ACTUAL ELEVATION SEE ARCHITECTURAL DRAWINGS.
2. TOP OF ALL CONCRETE SLABS IS ☒ UNLESS OTHERWISE NOTED THUS ⊟ ON PLAN.
3. SEE ROOF FRAMING PLAN FOR FLOOR SLAB .
4. TOP OF ALL STRUCTURAL STEEL BEAMS IS (-0'-6") UNLESS OTHERWISE NOTED THUS (±—) ON PLAN



PARTIAL FIRST FLOOR FRAMING PLAN

SCALE: 1/8" = 1'-0"

NOTES:

1. DATUM FOR ALL ELEVATIONS GIVEN ON THIS PLAN IS TOP OF FLOOR SLAB AT ELEVATION ±0. FOR ACTUAL ELEVATION SEE ARCHITECTURAL DRAWINGS.
2. TOP OF ALL CONCRETE SLABS IS ☒ UNLESS OTHERWISE NOTED THUS ⊟ ON PLAN.
3. TOP OF ALL STRUCTURAL STEEL BEAMS IS (-0'-5") UNLESS OTHERWISE NOTED THUS (±—) ON PLAN.
4. FLOOR SLAB TO BE A 5" TOTAL THICKNESS NORMAL WEIGHT CONCRETE SLAB ON 1 1/2" GALVANIZED COMPOSITE 18 GAGE VLI W/ 66- W2.9 X W2.9 WWF PLACED 2 1/2" ABOVE STEEL DECK UON.

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LICENCE EXP. DATE: 10-31-2025

S.E.D. CONTROL NUMBER:

48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION /INTERIOR RENOVATIONS & SITE IMPROVEMENTS
257 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
FOUNDATION PLAN

PROJECT # 23041

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	S.E.D SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

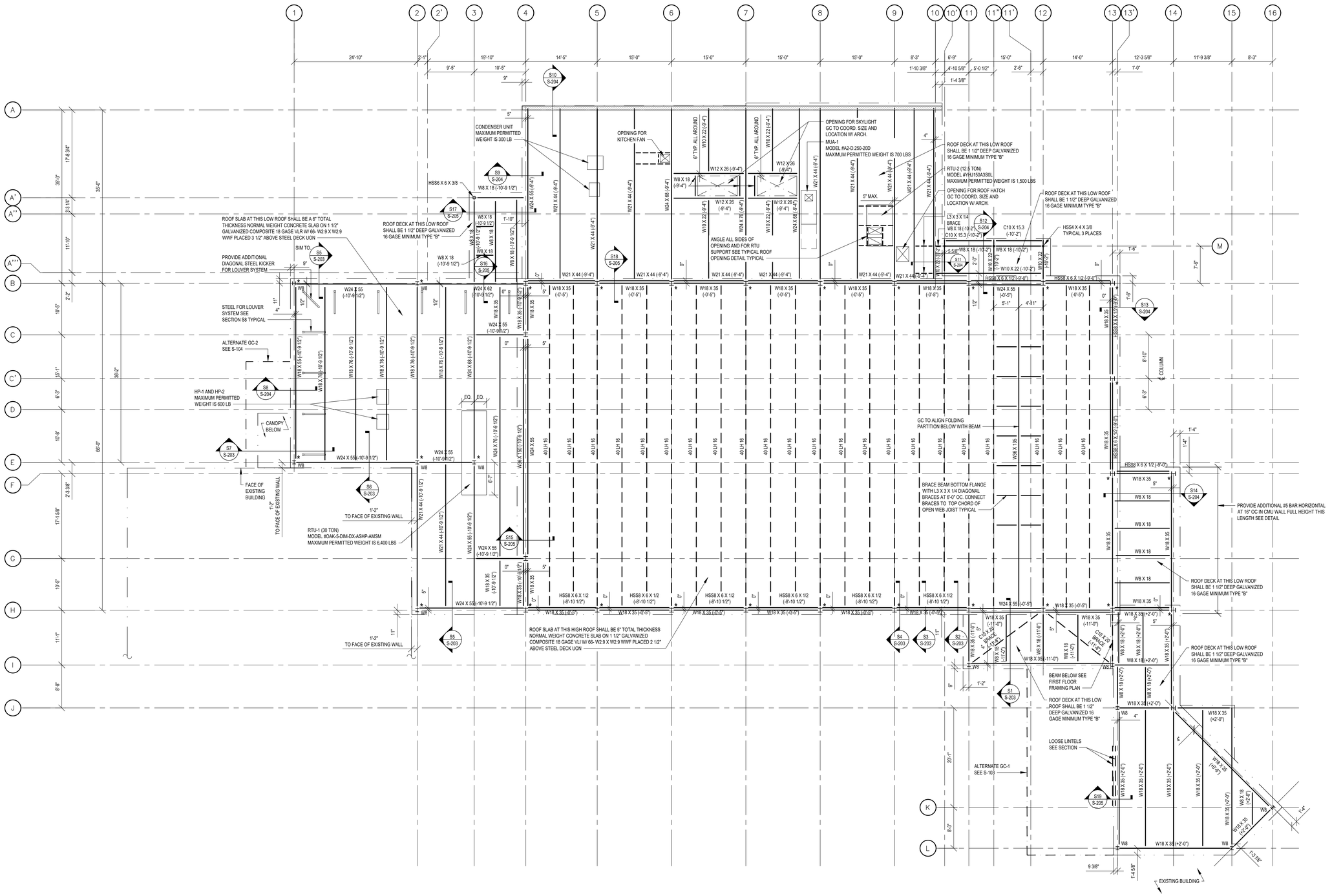
SHEET SIZE 30"x42"

DRAWING NO. CVS S-102

SCALE AS NOTED

DRAWN BY F & D

FILE NO. 23505.02



DEPTH GAGES SHALL BE USED IN LIEU OF LASER LEVEL FOR PLACEMENT OF CONCRETE AT FRAMED CONCRETE SLABS

ROOF FRAMING PLAN

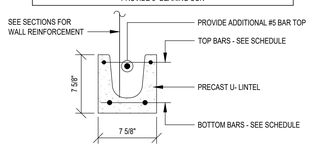
SCALE: 1/8" = 1'-0"

NOTES:

1. DATUM FOR ALL STEEL ELEVATIONS GIVEN ON THIS PLAN IS TOP OF STEEL BEAMS AT HIGH ROOF ±0. FOR ACTUAL ELEVATION SEE ARCHITECTURAL DRAWINGS.
2. TOP OF ALL STRUCTURAL STEEL BEAMS IS (+0'-0") UNLESS OTHERWISE NOTED THUS (b—) ON PLAN.
3. ALL COLUMNS SHALL BE W10 X 54 UNLESS OTHERWISE NOTED ON PLAN.
4. 'W8 ' DENOTES W8 X 40 COLUMN.
5. ' ★ ' DENOTES COLUMN TO BE EXTENDED 0'-6" PAST TOP OF ROOF DECK OR ROOF SLAB - SEE SECTION S4.

8" PRECAST U-LINTEL SCHEDULE		
PRECAST LINTELS SHALL BY CAST-CRETE MANUFACTURER		
CLEAR MASONRY OPENING WIDTH	TOP BARS	BOTTOM BARS
NO MORE THAN 4'-0"	2- 7/32" WIRE	2- #3 BAR
4'-1" TO 8'-0"	2- #3 BAR	2- #4 BAR
PROVIDE 8" BEARING UON		

MASONRY VENEER STEEL ANGLE LINTEL SCHEDULE	
ANGLE SIZES GIVEN ARE FOR EACH 4" WYTHE OF MASONRY	
CLEAR MASONRY OPENING WIDTH	MINIMUM ANGLE SIZE
NO MORE THAN 4'-0"	L3 1/2 X 3 1/2 X 5/16"
4'-1" TO 6'-0"	L4 X 4 X 5/16"
6'-1" TO 8'-0"	L6 X 3 1/2 X 5/16"
8'-1" TO 10'-0"	L7 X 4 X 3/8"
10'-1" TO 12'-0"	L7 X 4 X 5/8"
PROVIDE 8" BEARING UON	HOT DIP GALVANIZE LINTELS IN EXTERIOR WALLS



PRECAST U-LINTEL DETAIL

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LICENCE EXP. DATE: 10-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

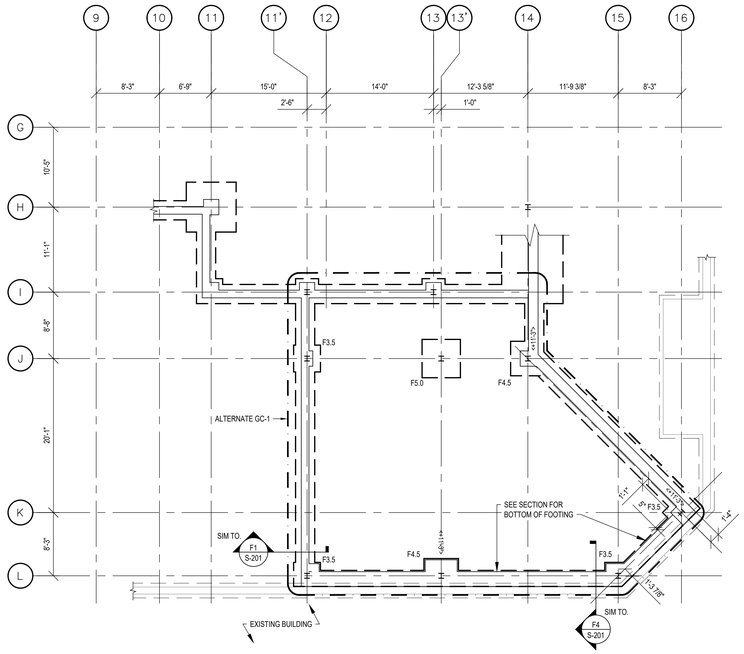
PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
ROOF FRAMING PLAN

PROJECT # 23041

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	S.E.D SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

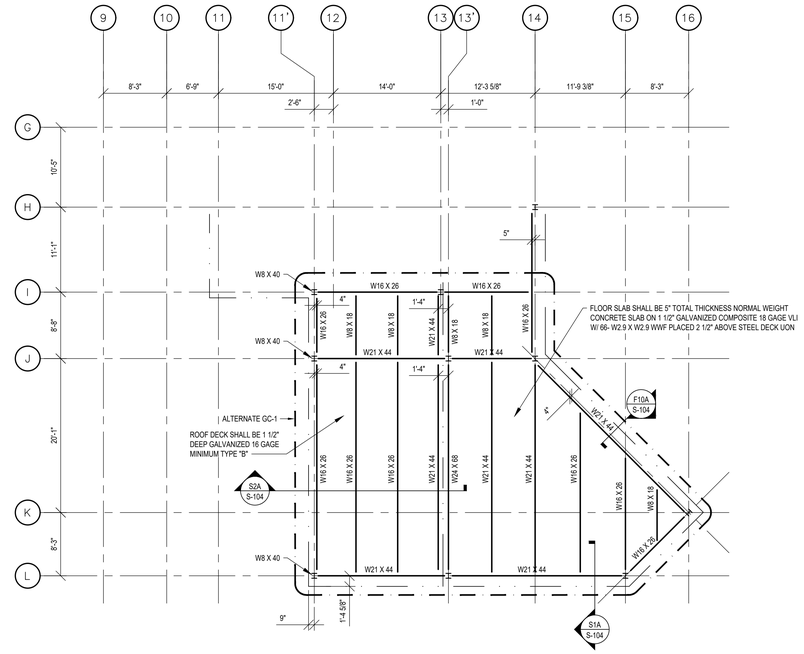
SHEET SIZE 30"x42"
DRAWING NO. CVS S-103
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.02



FOUNDATION PLAN - ALT. 1 GC-1

SCALE: 1/8" = 1'-0"

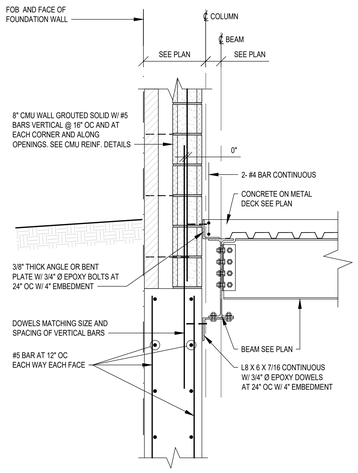
NOTES:
1. DATUM FOR ALL ELEVATIONS SHOWN ON PLAN IS TOP OF SLAB ELEVATION (#0) FOR ACTUAL ELEVATION SEE ARCHITECTURAL DRAWINGS.
2. TOP OF SLAB IS ±0 UNLESS OTHERWISE NOTED THUS (S-#) ON PLAN.
3. SLAB ON GRADE SHALL BE 6" THICK W/ 6X6- W2.1 X W2.1 WWF OVER VAPOR BARRIER AND 6" OF CRUSHED STONE.
4. TOP OF ALL CONCRETE WALLS IS <-1-0"> UNLESS OTHERWISE NOTED THUS <t ---> ON PLAN.
5. BOTTOM OF ALL FOOTINGS IS (-5'-0") UNLESS OTHERWISE NOTED THUS (t ---) ON PLAN.
6. FOOTINGS SHALL BE CENTERED UNDER COLUMNS UNLESS OTHERWISE NOTED ON PLAN.
7. BOTTOM OF FOOTING ELEVATION IS FOR ESTIMATION PURPOSES ONLY. ACTUAL ELEVATION TO BE ADJUSTED IN THE FIELD.
8. PROVIDE HAUNCH IN SLAB ON GRADE UNDER ALL CMU WALLS - SEE DETAIL. SEE ARCHITECTURAL DRAWINGS FOR WALL LOCATION.
9. PRIOR TO START OF WORK CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS SHOWN ON DRAWINGS AND NOTIFY ENGINEER OF ANY DISCREPANCIES THAT COULD AFFECT THE INDICATED WORK.



PARTIAL ROOF AND FIRST FLOOR FRAMING PLAN - ALT. GC-1

SCALE: 1/8" = 1'-0"

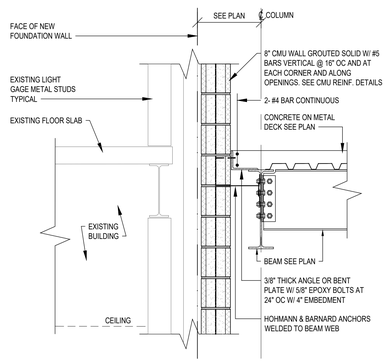
NOTES:
1. DATUM FOR ALL ELEVATIONS GIVEN ON THIS PLAN IS TOP OF FLOOR SLAB AT ELEVATION ±0. FOR ACTUAL ELEVATION SEE ARCHITECTURAL DRAWINGS.
2. TOP OF ALL CONCRETE SLABS IS (#0) UNLESS OTHERWISE NOTED THUS (S-#) ON PLAN.
3. TOP OF ROOF DECK IS (-0'-3 1/2") UNLESS OTHERWISE NOTED THUS (S-#) ON PLAN.
4. FLOOR SLAB TO BE A 5" TOTAL THICKNESS NORMAL WEIGHT CONCRETE SLAB ON 1 1/2" GALVANIZED COMPOSITE 18 GAGE VLI W/ 6X6- W2.9 X W2.9 WWF PLACED 2 1/2" ABOVE STEEL DECK UON.
5. TOP OF ALL STRUCTURAL STEEL BEAMS IS (-0'-5") UNLESS OTHERWISE NOTED THUS (s---) ON PLAN.
6. ROOF DECK SHALL BE 1 1/2" DEEP GALVANIZED 16 GAGE MINIMUM TYPE "B".



SECTION F10A

SCALE: 3/4" = 1'-0"

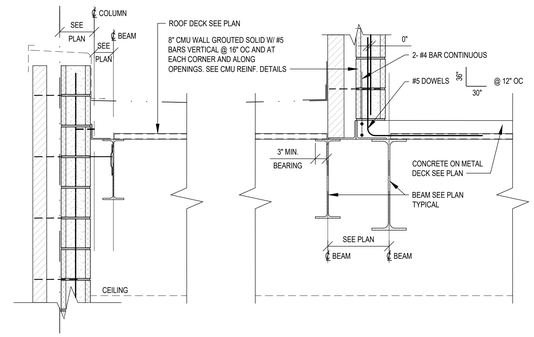
SEE SECTION F1 FOR INFORMATION NOT SHOWN



SECTION S1A

SCALE: 3/4" = 1'-0"

SEE SECTION S1 FOR INFORMATION NOT SHOWN



SECTION S2A

SCALE: 3/4" = 1'-0"

SEE SECTION S1 FOR INFORMATION NOT SHOWN

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LICENCE EXP. DATE: 10-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

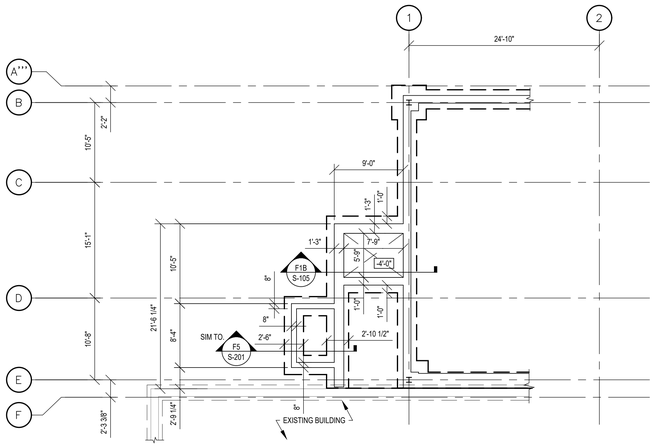
PROJECT TITLE
REVISED CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR
RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
ALTERNATE GC-1
FRAMING PLANS AND DETAILS

PROJECT # 23041

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	S.E.D SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS S-104
SCALE: AS NOTED
DRAWN BY: F & D
FILE NO.: 23505.02



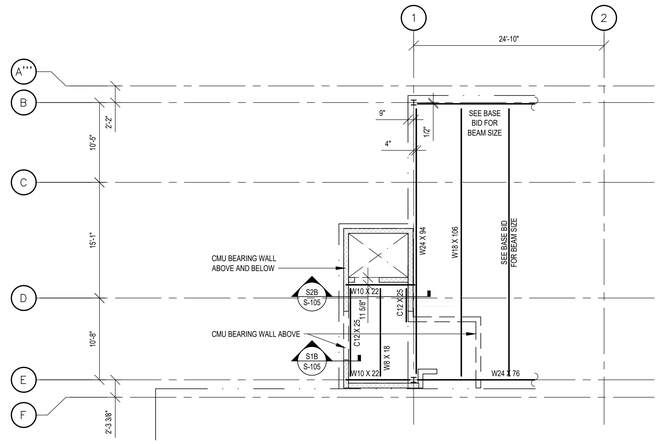
ELEVATOR SHAFT DIMENSIONS MUST BE COORDINATED WITH ELEVATOR MANUFACTURER PRIOR TO START OF WORK

PARTIAL FOUNDATION PLAN - ALT. GC-2

SCALE: 1/8" = 1'-0"

NOTES:

1. DATUM FOR ALL ELEVATIONS SHOWN ON PLAN IS TOP OF SLAB ELEVATION (0') FOR ACTUAL ELEVATION SEE ARCHITECTURAL DRAWINGS.
2. TOP OF SLAB IS ±0 UNLESS OTHERWISE NOTED THUS(± —)ON PLAN.
3. SLAB ON GRADE SHALL BE 6" THICK W/ 6b- W2.1 X W2.1 WWF OVER VAPOR BARRIER AND 6" OF CRUSHED STONE.
4. BOTTOM OF ALL FOOTINGS IS (-5'-0") UNLESS OTHERWISE NOTED THUS (± —) ON PLAN.
5. TOP OF ALL CONCRETE WALLS IS <-1-0"> UNLESS OTHERWISE NOTED THUS <± —> ON PLAN.
6. FOOTINGS SHALL BE CENTERED UNDER COLUMNS UNLESS OTHERWISE NOTED ON PLAN.
7. BOTTOM OF FOOTING ELEVATION IS FOR ESTIMATION PURPOSES ONLY. ACTUAL ELEVATION TO BE ADJUSTED IN THE FIELD.
8. PROVIDE HAUNCH IN SLAB ON GRADE UNDER ALL CMU WALLS - SEE DETAIL. SEE ARCHITECTURAL DRAWINGS FOR WALL LOCATION.
9. PRIOR TO START OF WORK CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS SHOWN ON DRAWINGS AND NOTIFY ENGINEER OF ANY DISCREPANCIES THAT COULD AFFECT THE INDICATED WORK.

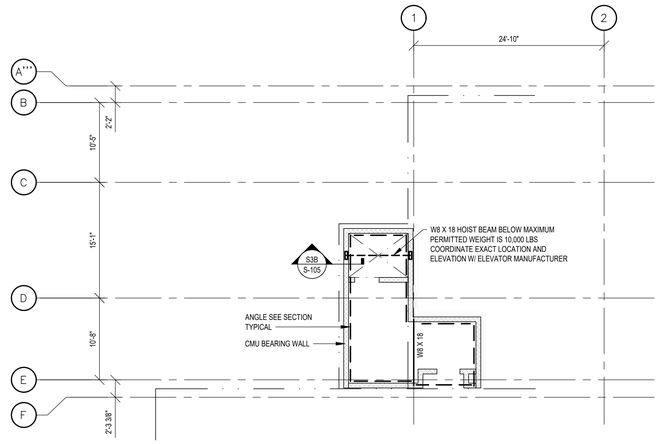


PARTIAL FIRST FLOOR FRAMING PLAN - ALT. GC-2

SCALE: 1/8" = 1'-0"

NOTES:

1. DATUM FOR ALL ELEVATIONS GIVEN ON THIS PLAN IS TOP OF FLOOR SLAB AT ELEVATION ±0. FOR ACTUAL ELEVATION SEE ARCHITECTURAL DRAWINGS.
2. TOP OF ALL CONCRETE SLABS IS (0') UNLESS OTHERWISE NOTED THUS (± —)ON PLAN.
3. FLOOR SLAB SHALL BE A 6" TOTAL THICKNESS NORMAL WEIGHT CONCRETE SLAB ON 1 1/2" GALVANIZED COMPOSITE 18 GAGE VLR W/ 6b- W2.9 X W2.9 WWF PLACED 3 1/2" ABOVE STEEL DECK UON
4. TOP OF ALL STRUCTURAL STEEL BEAMS IS (-0'-6") UNLESS OTHERWISE NOTED THUS (± —) ON PLAN.

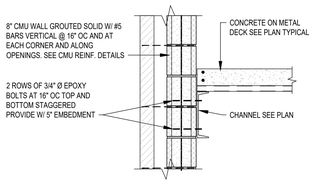


ROOF BULKHEAD FRAMING PLAN - ALT. GC-2

SCALE: 1/8" = 1'-0"

NOTES:

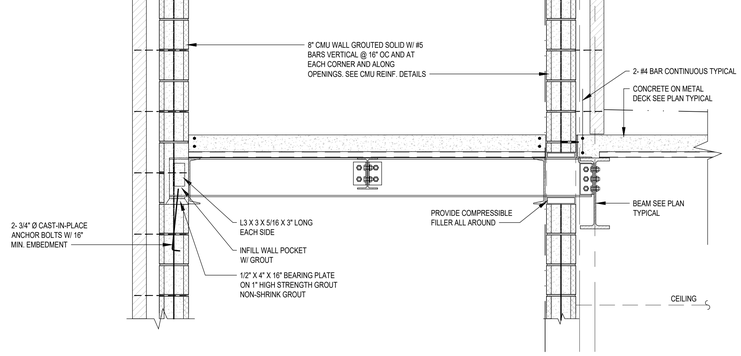
1. DATUM FOR ALL ELEVATIONS GIVEN ON THIS PLAN IS TOP OF ROOF DECK AT ELEVATION ±0. FOR ACTUAL ELEVATION SEE ARCHITECTURAL DRAWINGS.
2. TOP OF ALL ROOF DECK IS (0') UNLESS OTHERWISE NOTED THUS (± —)ON PLAN.
3. ROOF DECK SHALL BE 1 1/2" DEEP GALVANIZED 16 GAGE MINIMUM TYPE "B".
4. TOP OF ALL STRUCTURAL STEEL BEAMS IS (-0'-1 1/2") UNLESS OTHERWISE NOTED THUS (± —) ON PLAN.



SECTION S1B

SCALE: 3/4" = 1'-0"

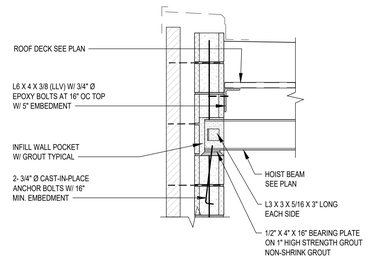
SEE SECTION S1 FOR INFORMATION NOT SHOWN



SECTION S2B

SCALE: 3/4" = 1'-0"

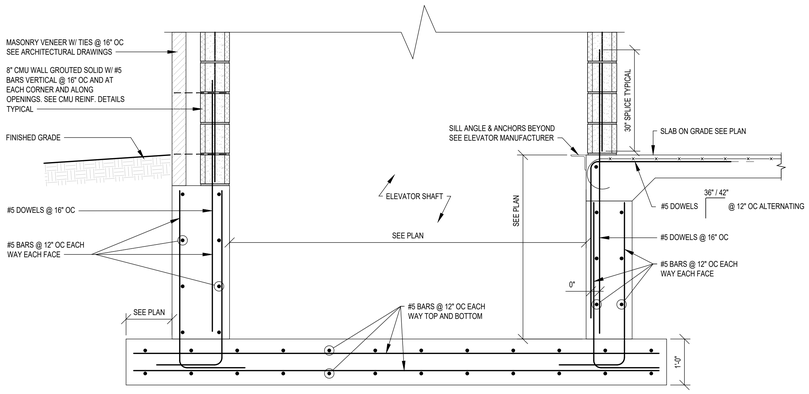
SEE SECTION S1 FOR INFORMATION NOT SHOWN



SECTION S3B

SCALE: 3/4" = 1'-0"

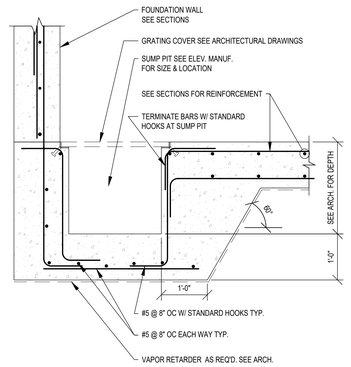
SEE SECTION S1 FOR INFORMATION NOT SHOWN



SECTION F1B

SCALE: 3/4" = 1'-0"

SEE SECTION F1 FOR INFORMATION NOT SHOWN



ELEVATOR SUMP PIT DETAIL

SCALE: 3/4" = 1'-0"

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LICENCE EXP. DATE: 10-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

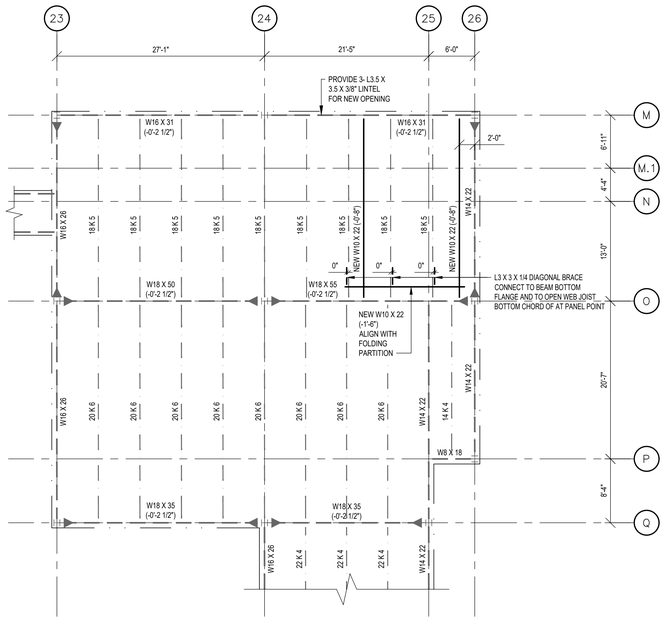
PROJECT TITLE
ROCHESTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
RENOVATION/ADDITION, INTERIOR RENOVATIONS AT ELEVATOR
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
ALTERNATE GC-2
FRAMING PLANS AND DETAILS

PROJECT # 23041

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	S.E.D SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS S-105
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.02

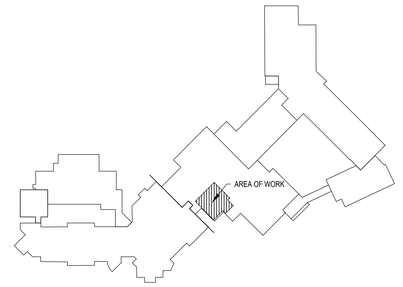


PARTIAL ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"

NOTES:

1. CONTRACTOR SHALL VERIFY ALL BEAM SIZES, GEOMETRY AND LOCATIONS PRIOR TO START OF WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER.
2. ALL STRUCTURAL STEEL SHOWN ON PLAN IS EXISTING UNLESS OTHERWISE NOTED AS NEW.
3. DATUM FOR ALL STEEL ELEVATIONS GIVEN ON THIS PLAN IS BOTTOM OF ROOF DECK(BD) FOR ACTUAL ELEVATION SEE ARCHITECTURAL DRAWINGS.
4. TOP OF ALL STRUCTURAL STEEL BEAMS IS (+0'-0") UNLESS OTHERWISE NOTED THUS (t---) ON PLAN.
5. TOP OF ALL NEW STRUCTURAL STEEL TO BE DETERMINED IN FIELD.
6. " ▶ " DENOTES MOMENT CONNECTION.



KEYPLAN

NORTH

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LICENCE EXP. DATE: 10-31-2025

S.E.D. CONTROL NUMBER:

48-06-01-06-0-001-026

PROJECT TITLE
REWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
RENOVATION & ADDITION, INTERIOR RENOVATIONS & SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
PARTIAL ROOF FRAMING PLAN

PROJECT # 23041

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	S.E.D SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

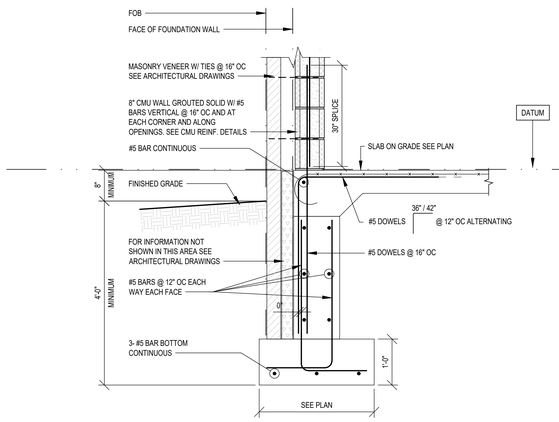
SHEET SIZE 30"x42"

DRAWING NO. CVS S-106

SCALE AS NOTED

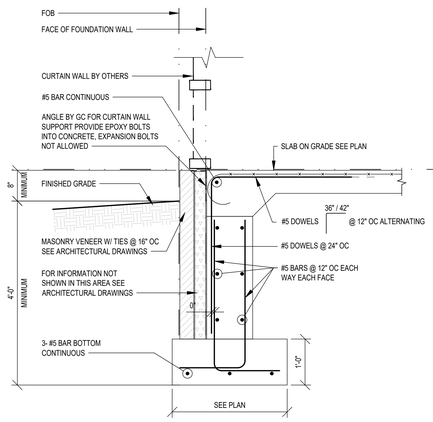
DRAWN BY F & D

FILE NO. 23505.02



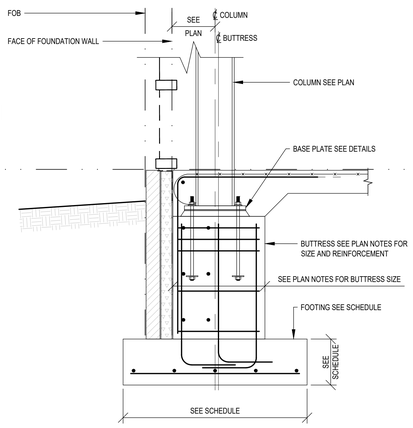
SECTION F1

SCALE: 3/4" = 1'-0"



SECTION F2

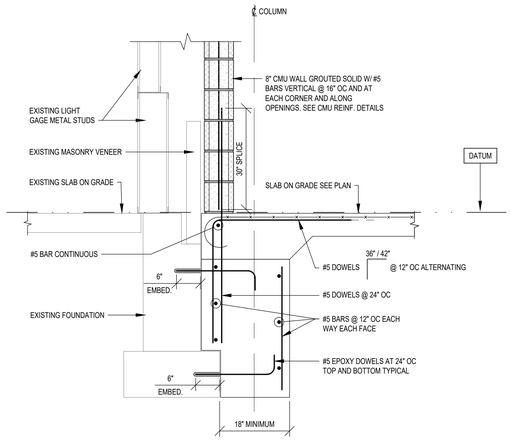
SCALE: 3/4" = 1'-0"



SECTION F3

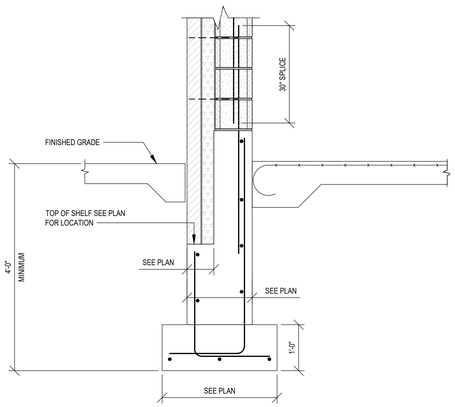
SCALE: 3/4" = 1'-0"

NOTE: SEE SECTION F2 FOR INFORMATION NOT SHOWN.

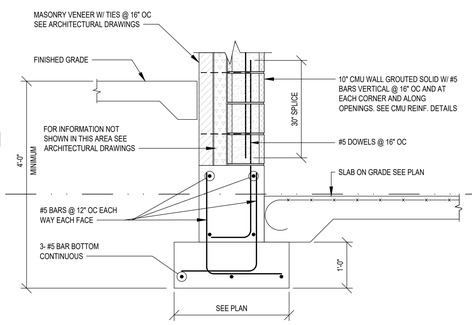


SECTION F4

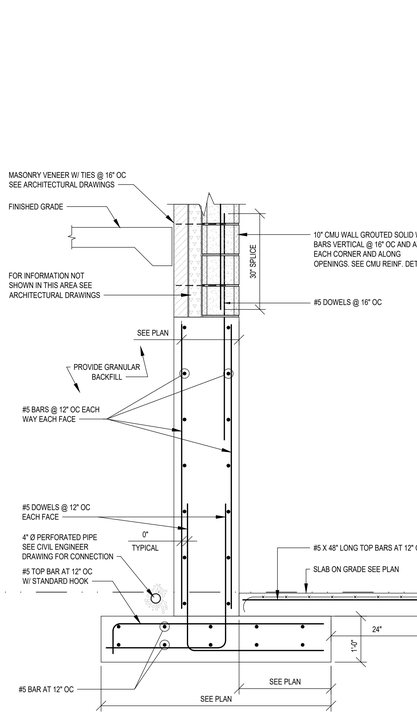
SCALE: 3/4" = 1'-0"



WITH MASONRY SHELF

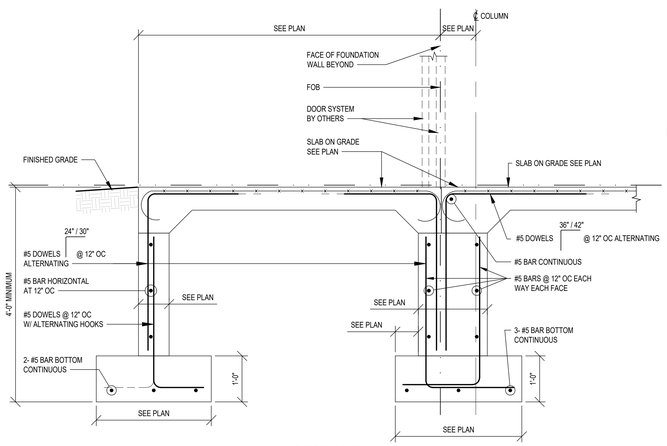


TYPICAL



SECTION F8

SCALE: 3/4" = 1'-0"



SECTION F5

SCALE: 3/4" = 1'-0"

SECTION F7

SCALE: 3/4" = 1'-0"

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LICENCE EXP. DATE: 10-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

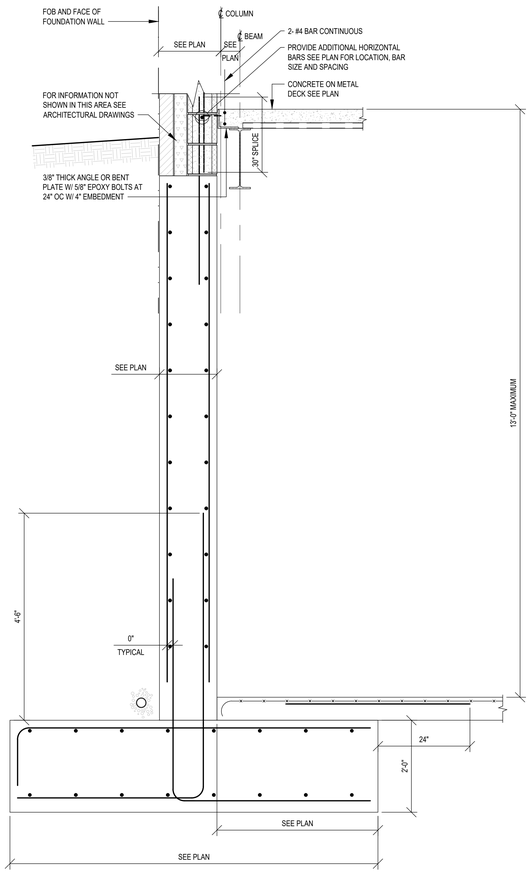
PROJECT TITLE
REMSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
ART CLASSROOM ADDITION INTERIOR
RENOVATIONS AND ALTERATIONS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
DETAILS

PROJECT # 23041

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	S.E.D SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

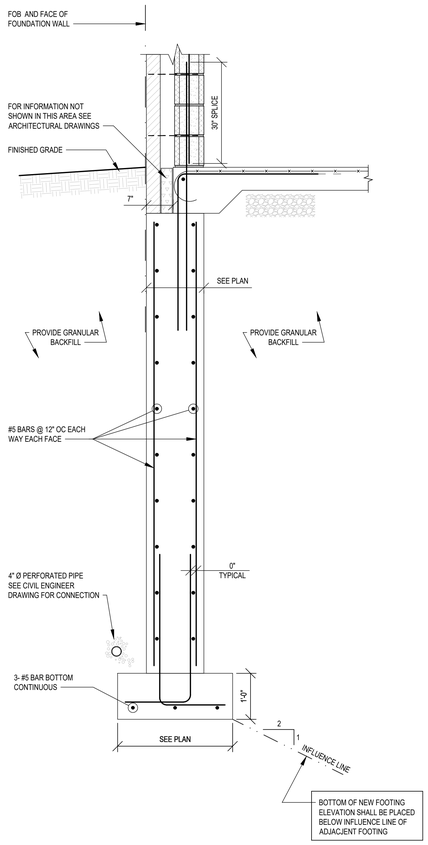
SHEET SIZE: 30"x42"
DRAWING NO: CVS S-201
SCALE: AS NOTED
DRAWN BY: F & D
FILE NO.: 23505.02



SECTION F9

SCALE: 3/4" = 1'-0"

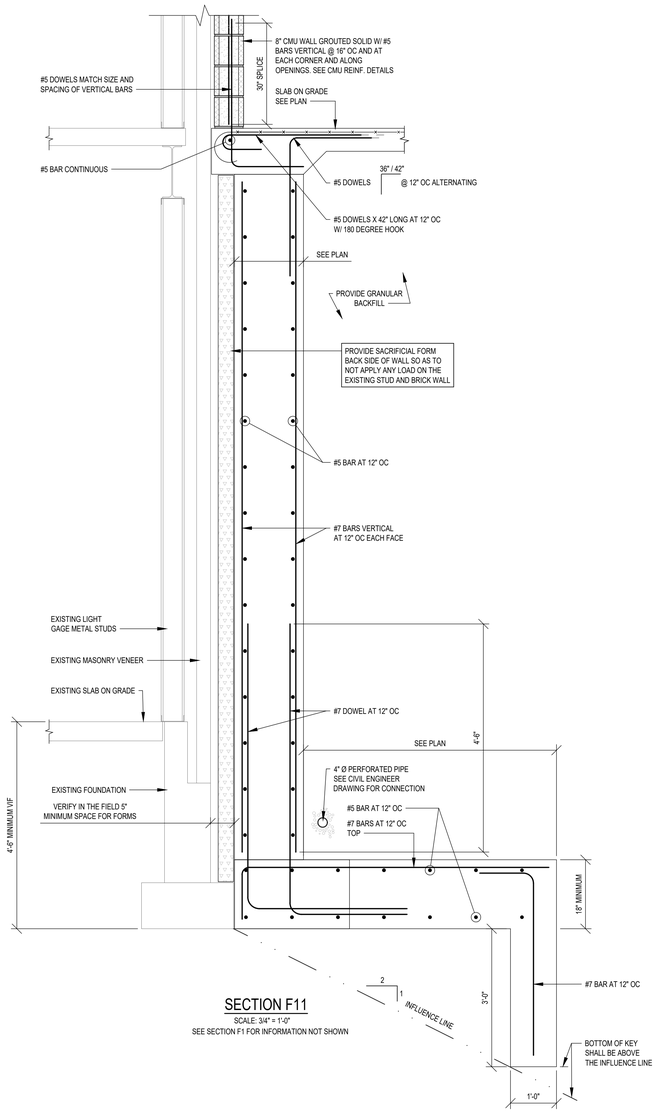
SEE SECTION F6 FOR INFORMATION NOT SHOWN



SECTION F10

SCALE: 3/4" = 1'-0"

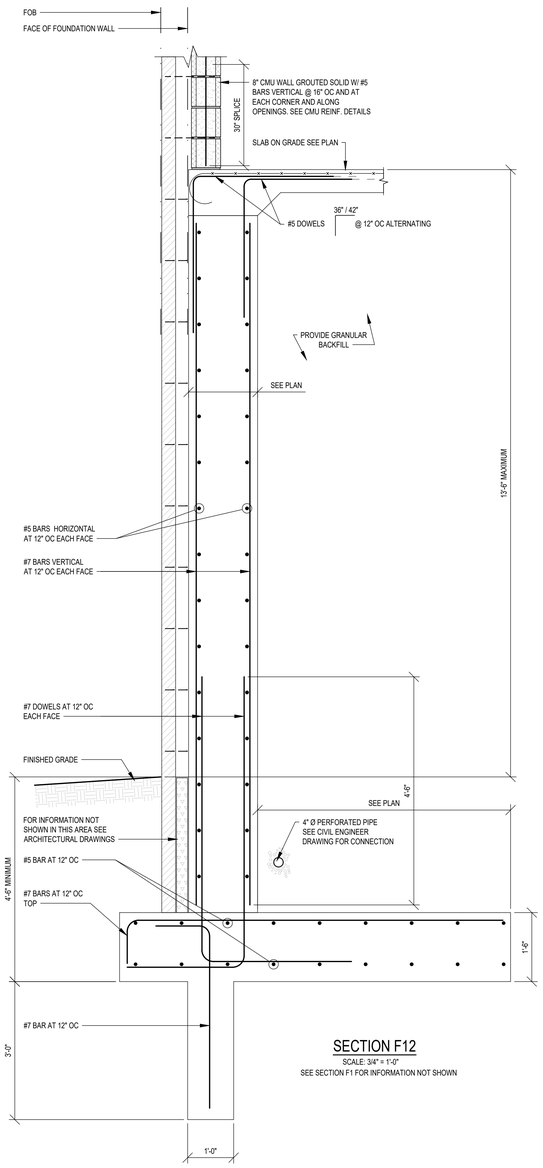
SEE SECTION F1 FOR INFORMATION NOT SHOWN



SECTION F11

SCALE: 3/4" = 1'-0"

SEE SECTION F1 FOR INFORMATION NOT SHOWN



SECTION F12

SCALE: 3/4" = 1'-0"

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

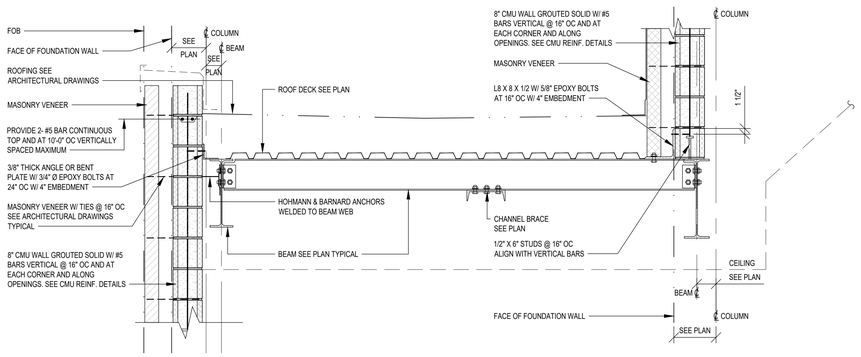
PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION INTERIOR
RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
DETAILS

PROJECT # 23041

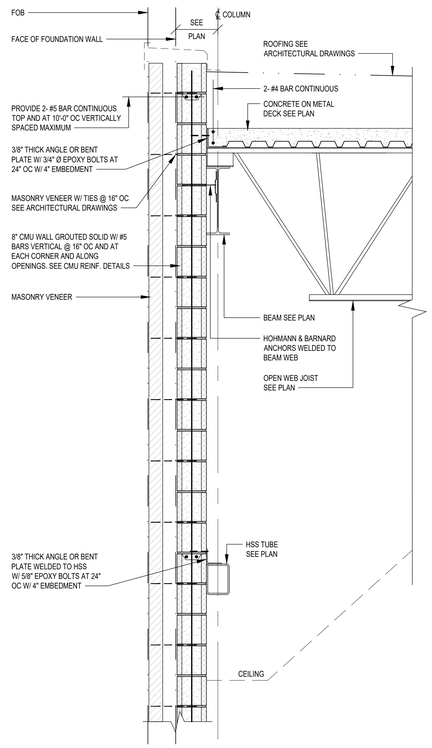
DATE	ISSUED TO
12-09-2024	BID
03-05-2024	S.E.D SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS S-202
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.02



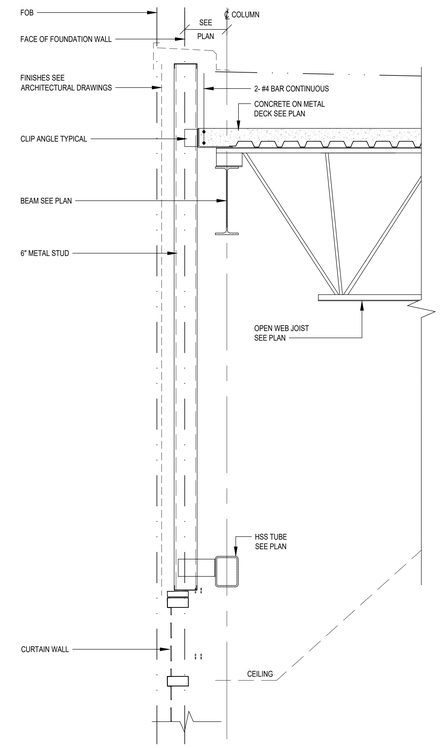
SECTION S1

SCALE: 3/4" = 1'-0"



SECTION S2

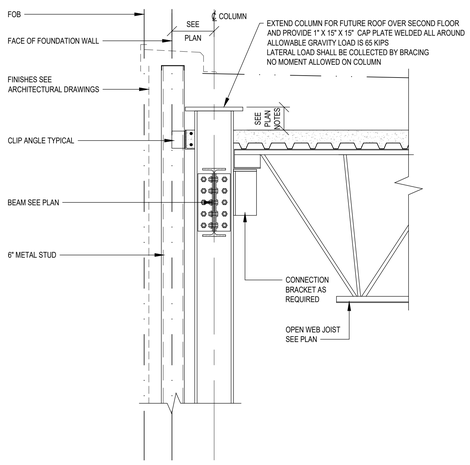
SCALE: 3/4" = 1'-0"



SECTION S3

SCALE: 3/4" = 1'-0"

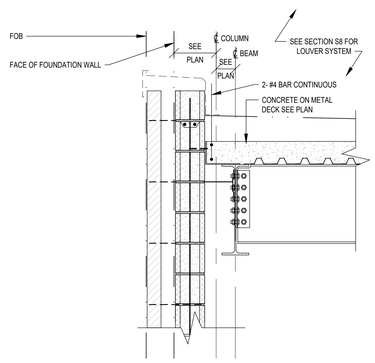
SEE SECTION S2 FOR INFORMATION NOT SHOWN



SECTION S4

SCALE: 3/4" = 1'-0"

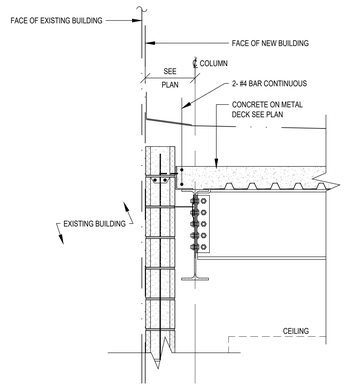
SEE SECTION S3 FOR INFORMATION NOT SHOWN



SECTION S5

SCALE: 3/4" = 1'-0"

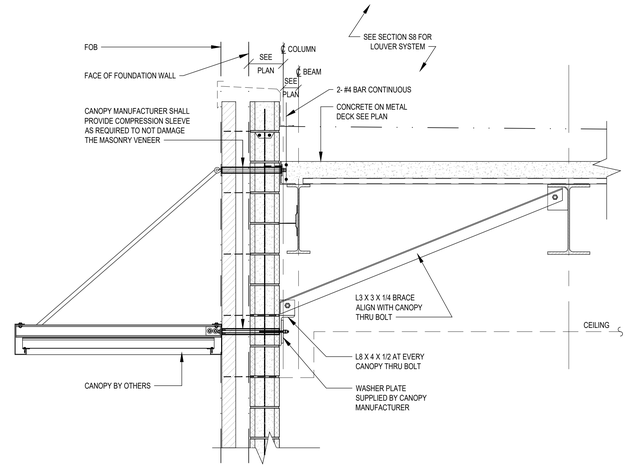
SEE SECTION S1 FOR INFORMATION NOT SHOWN



SECTION S6

SCALE: 3/4" = 1'-0"

SEE SECTION S1 FOR INFORMATION NOT SHOWN



SECTION S7

SCALE: 3/4" = 1'-0"

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LICENCE EXP. DATE: 10-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

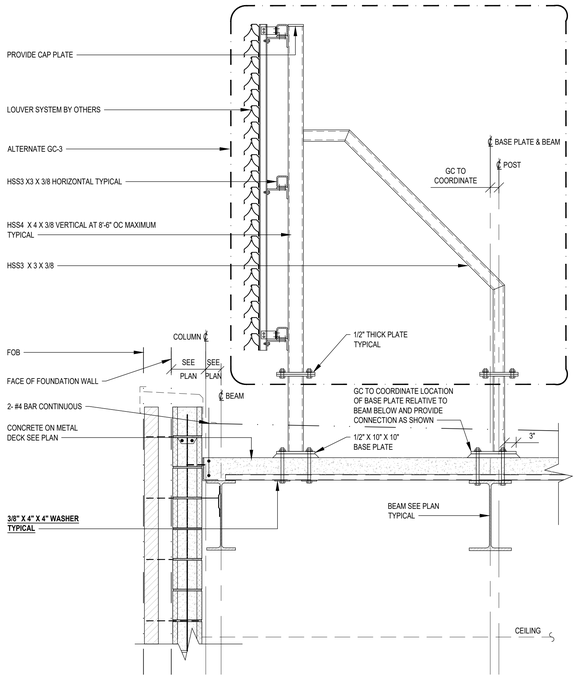
PROJECT TITLE
RENWICK CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
RENOVATION & ADDITION, INTERIOR RENOVATIONS & SITE IMPROVEMENTS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
DETAILS

PROJECT # 23041

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	S.E.D SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

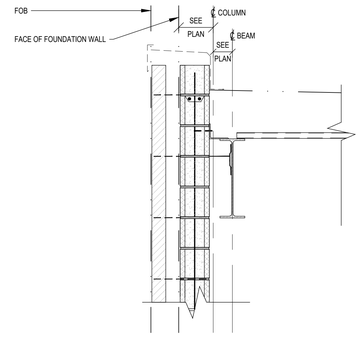
SHEET SIZE 30"x42"
DRAWING NO. CVS S-203
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.02



SECTION S8

SCALE: 3/4" = 1'-0"

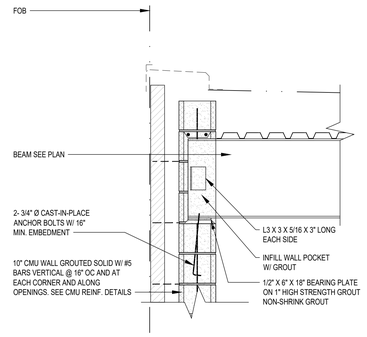
SEE SECTION S1 FOR INFORMATION NOT SHOWN



SECTION S9

SCALE: 3/4" = 1'-0"

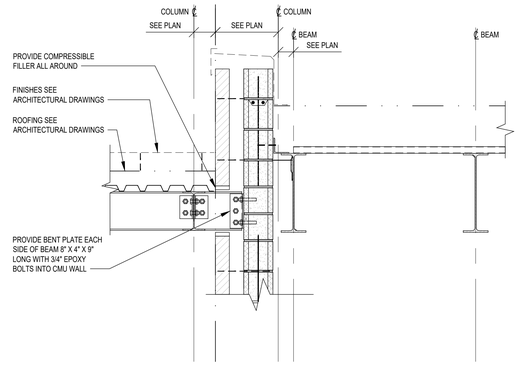
SEE SECTION S1 FOR INFORMATION NOT SHOWN



SECTION S10

SCALE: 3/4" = 1'-0"

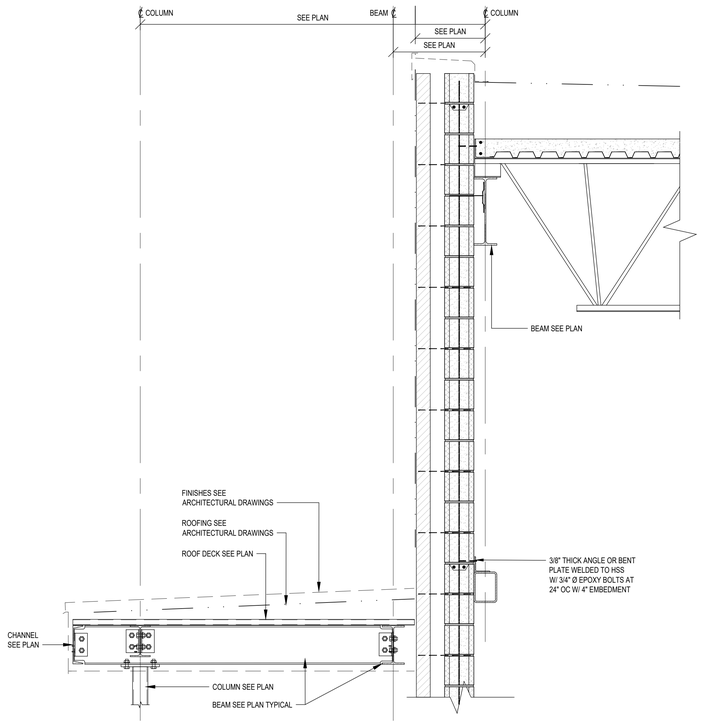
SEE SECTION S1 FOR INFORMATION NOT SHOWN



SECTION S11

SCALE: 3/4" = 1'-0"

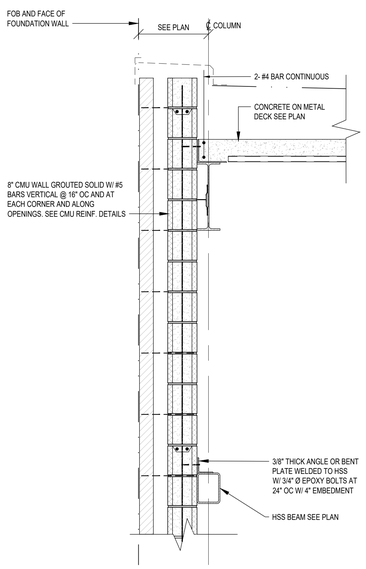
SEE SECTION S1 FOR INFORMATION NOT SHOWN



SECTION S12

SCALE: 3/4" = 1'-0"

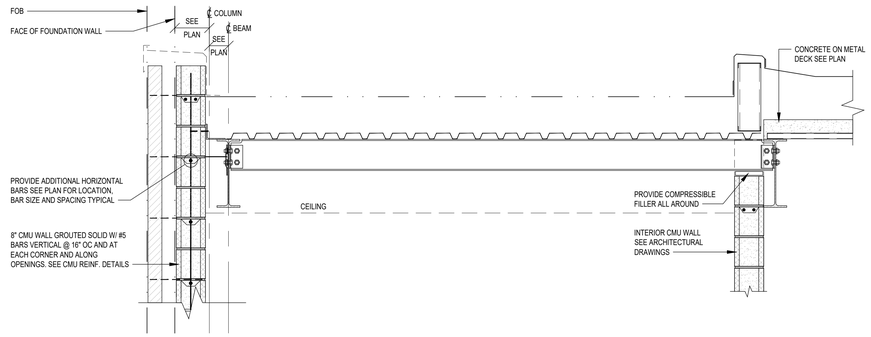
SEE SECTION S2 FOR INFORMATION NOT SHOWN



SECTION S13

SCALE: 3/4" = 1'-0"

SEE SECTION S1 FOR INFORMATION NOT SHOWN



SECTION S14

SCALE: 3/4" = 1'-0"

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LICENCE EXP. DATE: 10-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
RENOVATION/ADDITION, INTERIOR
RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
DETAILS

PROJECT # 23041

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	S.E.D SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

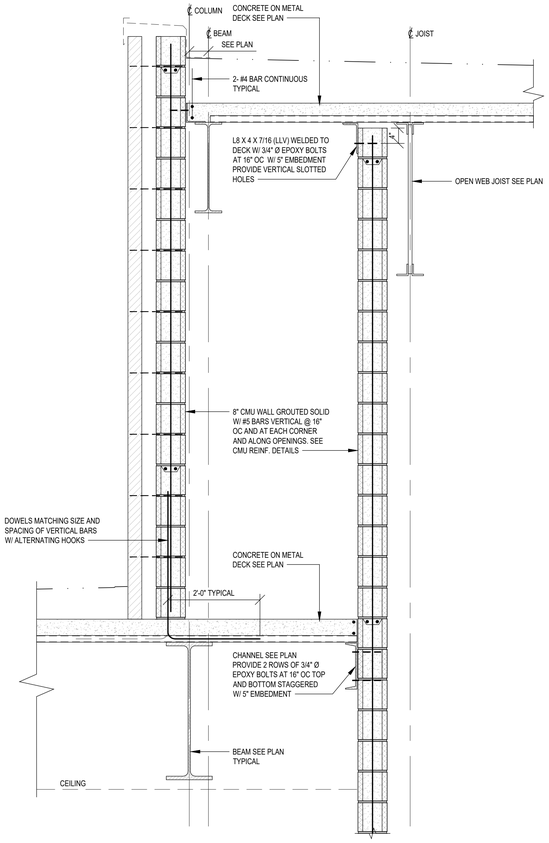
SHEET SIZE 30"x42"

DRAWING NO. CVS S-204

SCALE AS NOTED

DRAWN BY F & D

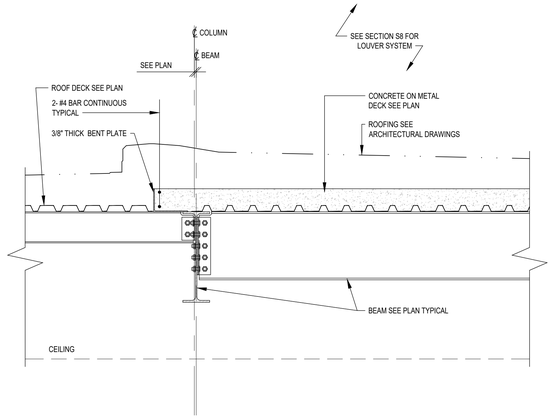
FILE NO. 23505.02



SECTION S15

SCALE: 3/4" = 1'-0"

SEE SECTION S1 FOR INFORMATION NOT SHOWN



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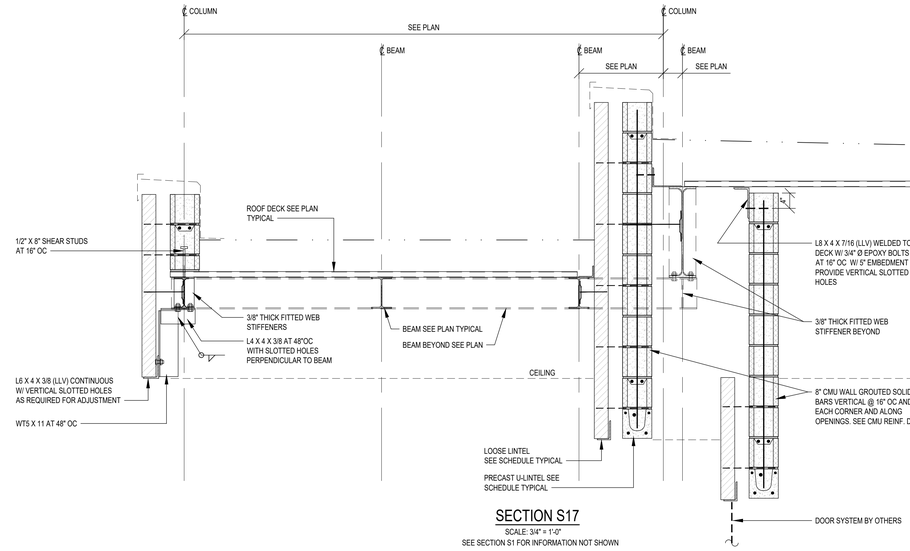
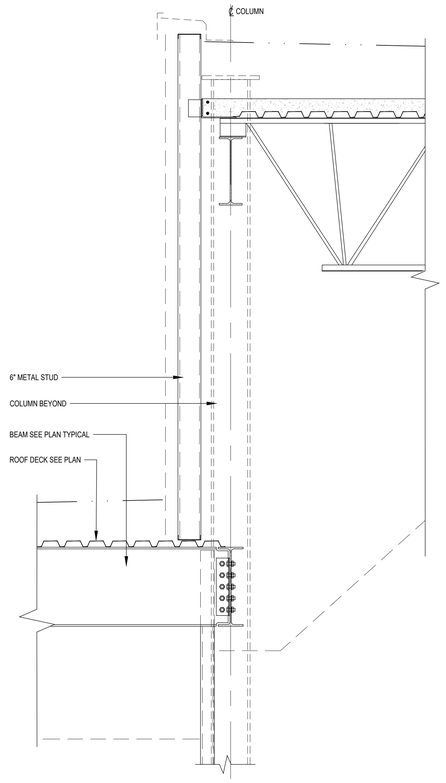


SECTION S17

SCALE: 3/4" = 1'-0"

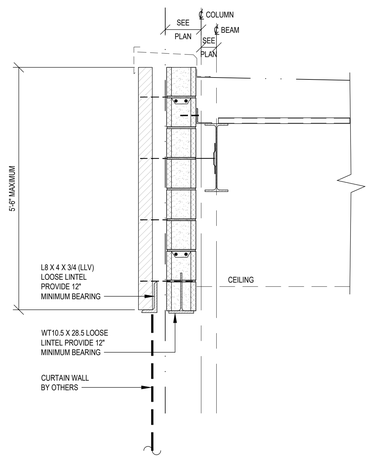
SEE SECTION S1 FOR INFORMATION NOT SHOWN



SECTION S18

SCALE: 3/4" = 1'-0"

SEE SECTION S3 FOR INFORMATION NOT SHOWN



SECTION S19

SCALE: 3/4" = 1'-0"

SEE SECTION S1 FOR INFORMATION NOT SHOWN

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PROJECT TITLE
REMSEN CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
DETAILS

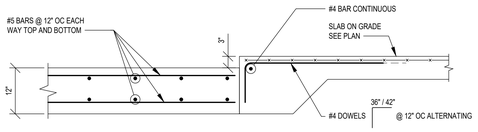
PROJECT # 23041

LICENCE EXP. DATE: 10-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

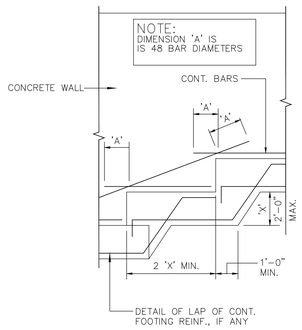
DATE	ISSUED TO
12-09-2024	BID
03-05-2024	S.E.D SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS S-205
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.02

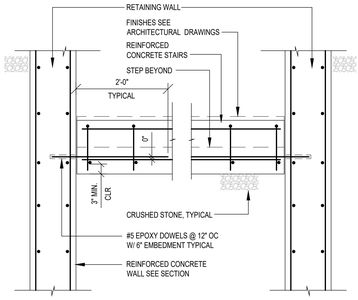


DETAIL AT DEPRESSED SLAB FOR LIFT

SCALE: 3/4" = 1'-0"

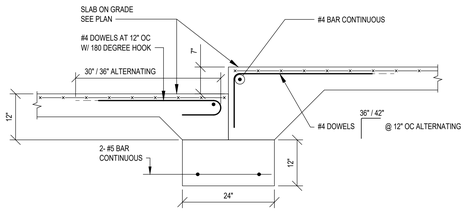


TYPICAL STEPPED FOOTING DETAIL



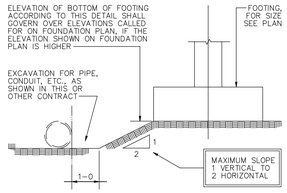
TYPICAL STAIR SECTION

SCALE: 3/4" = 1'-0"

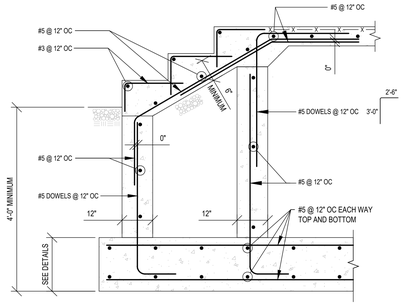


DETAIL AT DEPRESSED SLAB FOR COOLER AND FREEZER

SCALE: 3/4" = 1'-0"



TYP. DET. @ UNDERGROUND MECH. LINES

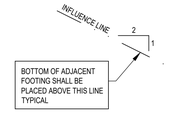


TYPICAL STAIR DETAIL

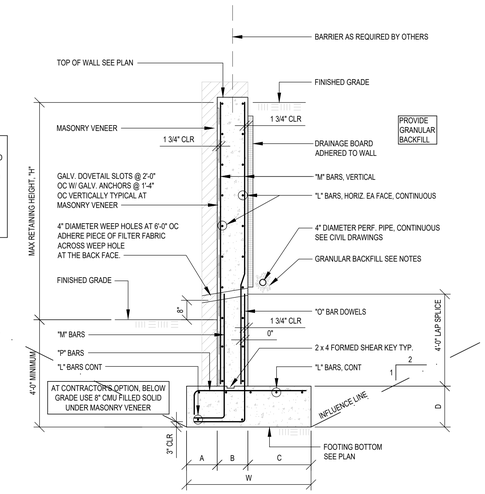
NTS

BACKFILL SHALL NOT BE PLACED AGAINST FOUNDATION OR RETAINING WALLS BEFORE GROUND AND/OR FRAMED SLABS WHICH BRACE WALL ARE IN PLACE AND BEFORE THE CONCRETE HAS REACHED 85% OF ITS SPECIFIED STRENGTH.

BACKFILL AND COMPACT SOIL IN FRONT OF WALL PRIOR TO BACKFILLING REAR. BRACE RETAINING WALLS AS REQUIRED FOR BACKFILLING.



BOTTOM OF ADJACENT FOOTING SHALL BE PLACED ABOVE THIS LINE TYPICAL



CANTILEVER WALL SCHEDULE												
MARK	MAX. HEIGHT "H" FEET.	TOE	HEEL	WALL	FOOTING		REINFORCING BARS					MAXIMUM ALLOWABLE BACKFILL SLOPE
		A	C	B	W	D	"O"	"M"	"P"	"L"		
W1	4'-0"	1'-0"	1'-0"	1'-0"	3'-0"	1'-0"	#5 @ 16	#5 @ 16	#5 @ 16	#5 @ 16		3.5H : 1V
W2	8'-0"	1'-0"	2'-6"	1'-0"	4'-6"	1'-4"	#5 @ 12	#5 @ 12	#5 @ 12	#5 @ 12		3.5H : 1V

TYPICAL CANTILEVER RETAINING WALL SECTION

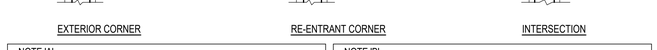
NOTES:
1. WALL TYPES MUST BE AT LEAST 4' LONG.
2. WHEN WALL FINISH IS STUCCO OMIT GALVANIZED DOVETAIL SLOTS AND MASONRY VENEER.
3. SEE SITE PLAN FOR LOCATIONS AND ELEVATIONS OF FINISHED GRADE.

FRAMED SLAB OR SLAB ON GROUND

BEAM & CONTINUOUS FOOTING

CONC. WALL OR GRADE BEAM

TYPICAL CONSTRUCTION JOINT DETAILS



EXTERIOR CORNER

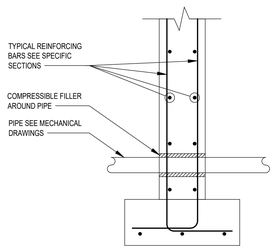
RE-ENTRANT CORNER

INTERSECTION

NOTE 'A'
FOR DIMENSION 'A', SEE DEVELOPMENT AND BAR SPLICE SCHEDULE, THIS DRAWING.

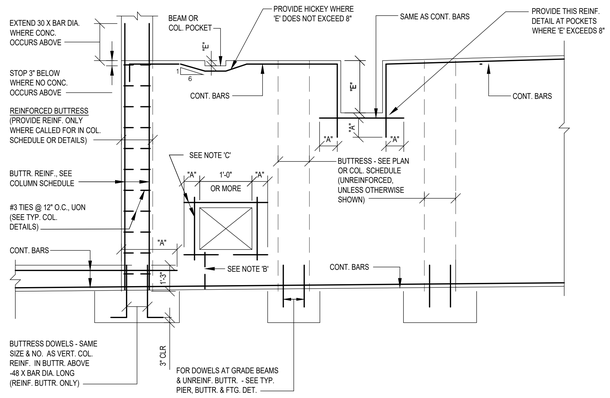
NOTE 'B':
HOOK EXTENSION 'B' IS 16 BAR DIAMETERS, NOT LESS THAN 12". OMIT HOOK FOR BOTTOM BARS ONLY.

TYPICAL DETAILS OF CONTINUOUS BARS IN WALLS, GRADE BEAMS, BEAMS AND SPANDREL BEAMS



TYPICAL SECTION @ PIPE PENITRATION

SCALE: 3/4" = 1'-0"

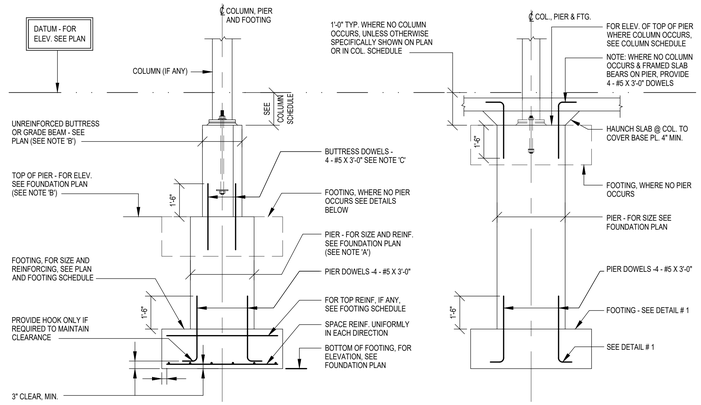


NOTE A:
FOR DIMENSION 'A', SEE BAR DEVELOPMENT AND LAP SPLICE SCHEDULE

NOTE B:
WHERE EDGE OF OPENING IS 2'-0" OR LESS FROM TOP OR BOTTOM OF GRADE BEAM OR WALL, PROVIDE #3 TIES @ 12" O. C.

NOTE C:
PROVIDE HORIZ. AND VERT. REINFORCEMENT AT ALL SIDES OF OPENINGS AS FOLLOWS: FOR OPENINGS WITH A MAX. DIMENSION OF UP TO 3'-0", PROVIDE 2 - #5 EA.; 3'-1" TO 4'-0", 2 - #6 EA.; 4'-1" AND OVER, SAME AS CONT. TOP & BOTT. BARS, UON

TYPICAL WALL ELEVATION SHOWING ADDED BARS AT OPENINGS & REINFORCING DETAILS



NOTE 'A':
WHERE FOOTING MUST BE LOWERED DUE TO FIELD CONDITION, PROVIDE CONCRETE PIER WITH 3" MIN. PROJECTION. MINIMUM SIZE FOR PIERS SHALL BE 24" X 24".

NOTE 'B':
FOR DOWELS INTO REINFORCED BUTTRESS AND REIN-FORCED BUTTRESS DETAILS, SEE "TYPICAL WALL ELEVATION SHOWING ADDED BARS AT OPENINGS AND MISCELLANEOUS REINFORCING DETAILS".

NOTE 'C':
WHERE HEIGHT OF PIER IS LESS THAN 1'-6", EXTEND "BUTTRESS DOWELS" DOWN INTO FOOTING AND OMIT "PIER DOWELS".

TYPICAL BUTTRESS, PIER AND FOOTING DETAILS

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LICENCE EXP. DATE: 10-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

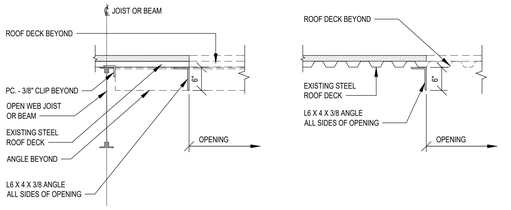
PROJECT TITLE:
CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
GYMNASIUM ADDITION, INTERIOR RENOVATIONS AND ALTERATIONS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
TYPICAL DETAILS

PROJECT # 23041

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	S.E.D SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS S-301
SCALE: AS NOTED
DRAWN BY: F & D
FILE NO.: 23505.02



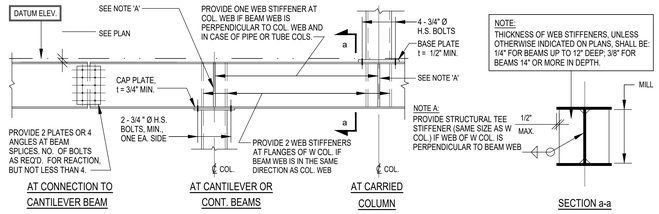
CURB PARALLEL TO JOIST OR BEAM

CURB PERPENDICULAR TO JOIST OR BEAM

NOTE: FOR LOCATION OF FANS, OPENINGS AND DETAILS NOT SHOWN, SEE MECHANICAL AND ARCHITECTURAL DRAWINGS

TYPICAL ROOF OPENING DETAIL

SCALE: 3/4" = 1'-0"



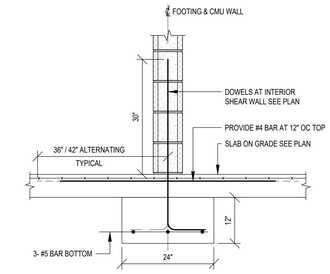
AT CONNECTION TO CANTILEVER BEAM

AT CANTILEVER OR CONT. BEAMS

AT CARRIED COLUMN

SECTION a-a

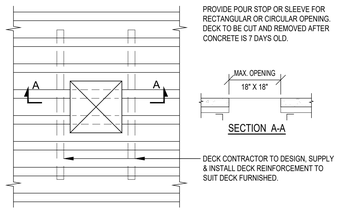
TYPICAL DETAILS AT CANTILEVER & AT CARRIED COLUMNS



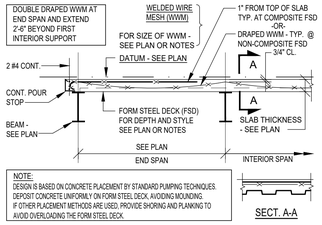
TYPICAL FOOTING DETAIL AT CMU WALL

SCALE: 3/4" = 1'-0"

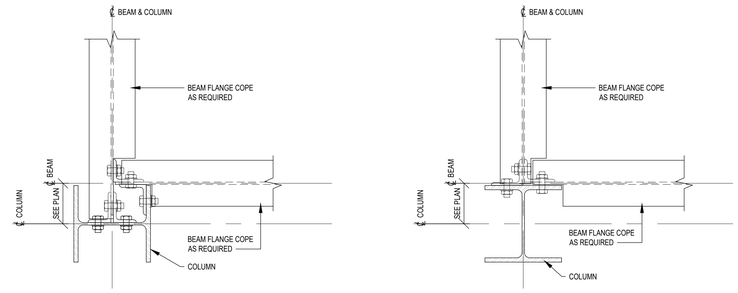
NOTE: FOOTING SHALL EXTEND AT LEAST 12 INCHES PAST CMU WALL



TYP. SLAB SMALL OPENING DETAIL



TYPICAL CONCRETE SLAB ON STEEL DECK

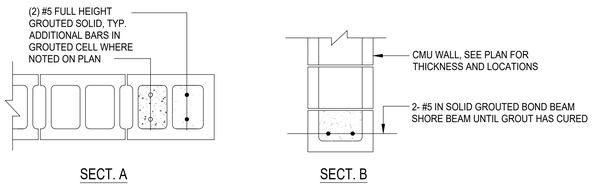


PLAN VIEW

PLAN VIEW

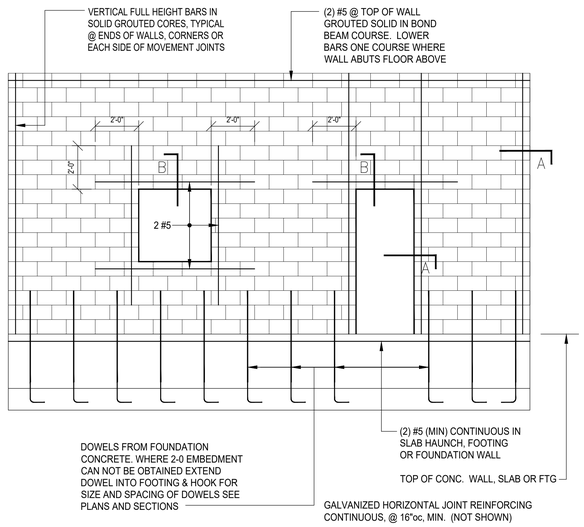
TYPICAL ECCENTRIC CONNECTION DETAIL

SCALE: NTS



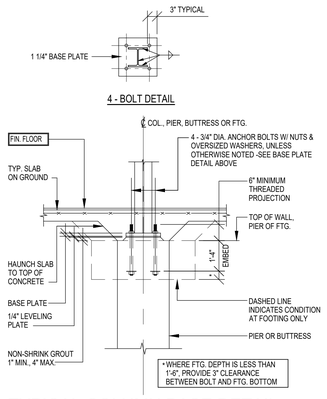
SECT. A

SECT. B

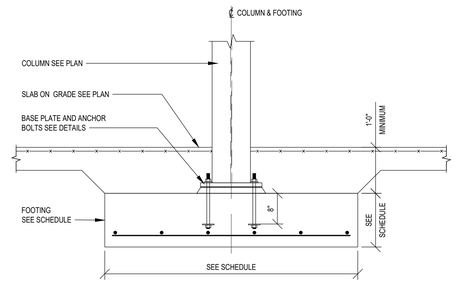


TYPICAL CMU WALL REINFORCING

SEE SECTIONS FOR PRIMARY REINFORCEMENT



TYPICAL COLUMN BASE DETAIL



TYPICAL ISOLATED FOOTING DETAIL

SCALE: 3/4" = 1'-0"

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LICENCE EXP. DATE: 10-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
REBUILD WESTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
TYPICAL DETAILS

PROJECT # 23041

12-09-2024	BID
03-05-2024	S.E.D SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE 30"x42"

DRAWING NO. CVS S-302

SCALE AS NOTED

DRAWN BY F & D

FILE NO. 23505.02

GENERAL NOTES

ALL WORK SHALL COMPLY WITH THE LOCAL STATE BUILDING CODE AND THE REQUIREMENTS OF THE LOCAL MUNICIPALITY.

STRUCTURAL DRAWINGS SHALL BE USED WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS AND THE WORK REQUIRED BY EACH COORDINATED.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE ENGINEER'S REVIEW AND SHALL NOT PROCEED WITH THE WORK PRIOR TO THIS REVIEW. PRIOR TO THE SUBMISSION, CONTRACTOR SHALL VERIFY ALL DIMENSIONS, COORDINATE THE WORK WITH THAT OF OTHER TRADES, AND ASSUME FULL RESPONSIBILITY FOR THE PROPER FIT AND COMING TOGETHER OF ALL PARTS OF THE WORK. CONTRACTOR SHALL HIGHLIGHT, ENCIRCLE OR OTHERWISE INDICATE DEVIATIONS FROM THE CONTRACT DOCUMENTS. SHOP DRAWINGS SHALL NOT BE SUBMITTED FOR REVIEW WITHOUT THE CONTRACTOR'S STAMP INDICATING HIS PRIOR REVIEW AND APPROVAL. ENGINEER WILL NOT REVIEW DRAWINGS WITHOUT THIS STAMP. PROVIDE SHOP DRAWINGS FOR:

- CONCRETE REINFORCING STEEL
- STRUCTURAL STEEL
- MASONRY REINFORCING STEEL
- OPEN WEB STEEL JOIST
- STEEL DECK
- LIGHT GAGE STEEL FRAMING, W/ PE STAMP

STRUCTURAL DRAWINGS MAY NOT BE REPRODUCED FOR USE AS SHOP DRAWINGS.

REFER TO ARCHITECTURAL DRAWINGS FOR FASCIA AND FLASHING DETAILS, WALL AND FLOOR FINISHES, FIRE PROOFING REQUIREMENTS AND OTHER INFORMATION NOT SHOWN ON STRUCTURAL DRAWINGS.

CONTRACTOR SHALL NOT OVERLOAD THE STRUCTURE OR IMPOSE LOADS LARGER THAN THE INDICATED DESIGN LOADS UNLESS ADEQUATE SHORING AND BRACING IS PROVIDED.

THE ENGINEER MUST BE NOTIFIED 48 HOURS IN ADVANCE OF ANY REQUIRED INSPECTIONS.

THE CONTRACTOR SHALL SUPPLY AND BE FULLY RESPONSIBLE FOR ALL SHORING REQUIRED TO PERFORM THE WORK DESCRIBED HEREIN.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONDITION OF THE STRUCTURE DURING AND AFTER CONSTRUCTION.

FOUNDATIONS

ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL HAVING A PRESUMPTIVE ALLOWABLE BEARING CAPACITY OF 2 TONS PER SQUARE FOOT, MINIMUM.

FOOTING BOTTOM ELEVATIONS SHOWN ON PLAN ARE FOR ESTIMATION PURPOSES ONLY, ACTUAL ELEVATIONS ARE TO BE DETERMINED IN FIELD ACCORDING TO THE DETAILS AND SOIL CONDITIONS.

FOOTING BOTTOMS SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF CONCRETE.

FOOTING BOTTOMS MAY BE LOWERED TO ACCOMMODATE MECHANICAL INSTALLATIONS. LOWERED FOOTINGS SHALL BE STEPPED 2 HORIZONTAL TO 1 VERTICAL. PROVIDE REINFORCED CONCRETE PIERS AT LOWERED COLUMN FOOTINGS.

FILL BELOW SLABS ON GROUND SHALL BE PLACED IN LIFTS NOT EXCEEDING 8" IN THICKNESS AND COMPACTED TO 95% OF THE MODIFIED STANDARD DENSITY AS PER ASTM D-1557. SOIL FILL BELOW SLABS ON GROUND SHALL BE A POROUS, GRANULAR MATERIAL WITH 15% MAX. FINE MATERIAL WHICH PASSES A NO. 200 SIEVE.

BACKFILL SHALL NOT BE PLACED AGAINST FOUNDATION OR RETAINING WALLS BEFORE GROUND AND/OR FRAMED SLABS WHICH BRACE WALL ARE IN PLACE AND BEFORE THE CONCRETE HAS REACHED 85% OF ITS SPECIFIED STRENGTH.

TRUCKS, BULLDOZERS OR OTHER HEAVY EQUIPMENT SHALL BE OPERATED WITH CAUTION AND IN SUCH A MANNER AS TO NOT DAMAGE THE WALLS.

CONCRETE

ALL CONCRETE WORK, MATERIALS, DETAILS AND CONSTRUCTION METHODS SHALL COMPLY WITH "SPECIFICATION FOR STRUCTURAL CONCRETE FOR BUILDINGS," ACI 301, AND BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318, LATEST EDITIONS, OF THE AMERICAN CONCRETE INSTITUTE AND WITH THE REQUIREMENTS OF THE LOCAL BUILDING CODE.

CAST-IN-PLACE CONCRETE SHALL CONSIST OF A STONE AGGREGATE MIX ACHIEVING A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT AGE 28 DAYS. CONCRETE FOR SLABS ON GROUND SHALL HAVE A 28 DAY STRENGTH OF 4,000 PSI.

DESIGN MIXES SHALL BE LABORATORY PREPARED AND SUBMITTED FOR THE ENGINEER'S APPROVAL PRIOR TO BEING USED.

CONCRETE FOR STRUCTURAL MEMBERS SHALL BE PLACED TO THE FULL DEPTH OF THE MEMBER IN ONE OPERATION. HORIZONTAL JOINTS ARE NOT PERMITTED UNLESS SHOWN ON PLAN OR SECTION.

PROVIDE CONSTRUCTION JOINTS IN SLABS ON GROUND NOT MORE THAN 30 FEET APART OR AS SHOWN ON PLANS. PROVIDE CONSTRUCTION JOINTS IN STRAIGHT WALLS NOT MORE THAN 30 FEET ON CENTERS OR AS SHOWN ON PLANS. PROVIDE SLAB ISOLATION JOINTS AROUND ALL COLUMNS.

CONCRETE SLABS ON FORM STEEL DECK ARE DESIGNED TO BE UNSHORED DURING PLACEMENT OF CONCRETE. CONTRACTOR SHALL ALLOW FOR ADDITIONAL CONCRETE REQUIRED TO BRING THE DEFLECTED SLAB TO THE LEVEL ELEVATIONS NOTED ON DRAWINGS.

ALL SURFACES EXPOSED TO PEDESTRIAN TRAVEL SHALL BE NON-SLIP BROOM FINISH.

CONCRETE TO EXPOSED WEATHER SHALL HAVE TARGETED 6% AIR ENTRAINMENT. SPECIAL DESIGN MIXES SHALL BE MADE FOR ALL PUMPED CONCRETE. FLY ASH MAY BE USED AS A PLASTICIZER TO REDUCE WATER CONTENT BUT CANNOT BE USED TO REDUCE CEMENT CONTENT. CONCRETE MIX DESIGNS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE THE WORK HAS BEGUN.

NO ADMIXTURES SHALL BE USED UNLESS SPECIFIED OR APPROVED BY THE ENGINEER. THE USE OF CALCIUM CHLORIDE IS STRICTLY FORBIDDEN.

CONCRETE SLABS ON GROUND SHALL BE PLACED IN ALTERNATE PANELS, CHECKERBOARD FASHION, NOT EXCEEDING 1,000 SQUARE FEET IN AREA NOR 40 FEET IN ONE DIRECTION.

ANY CONDUIT EMBEDDED IN THE SLABS ARE TO BE LOCATED AND DISTRIBUTED SO AS TO INTERFERE AS LITTLE AS POSSIBLE WITH THE REINFORCING STEEL, AND SHALL BE PLACED BELOW THE TOP LAYER OF REINFORCEMENT. WHERE THE REQUIRED CONCRETE COVER CANNOT BE MAINTAINED, THE ENGINEER SHALL BE NOTIFIED AND THE SLAB THICKNESS MAY, WITH THE ENGINEER'S APPROVAL, BE INCREASED.

ALL EXPOSED CONCRETE SHALL HAVE 3/4" CHAMFER.

REINFORCING STEEL

REINFORCING BARS SHALL CONFORM TO ASTM. STANDARD A615 GRADE 60 FOR DEFORMED BILLET STEEL.

WELDED WIRE MESH SHALL CONFORM TO ASTM STANDARD A-185. MINIMUM MESH SIZE IS 66-W1.4XW1.4 UNLESS OTHERWISE NOTED ON DRAWINGS.

ALL REINFORCEMENT BARS AND TIES SHALL BE FREE OF LOOSE FLAKY RUST, MUD, OIL OR OTHER COATINGS THAT WILL DESTROY, REDUCE OR HAMPER FULL BOND CAPACITY.

REINFORCING SHALL BE ACCURATELY INSTALLED TO THE REQUIRED ELEVATION AND CHAIRED OR SECURELY TIED IN PLACE SO AS TO PREVENT DISLOCATION DURING CONCRETE PLACEMENT. FABRICATION AND PLACEMENT SHALL COMPLY WITH "MANUAL OF STANDARD PRACTICE", CRSI MSP-1-86 AND ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", CHAPTER 5.

REINFORCING BARS NOTED CONTINUOUS (CONT.) SHALL BE LAPPED AT SPLICES AND HOOKED AT NON-CONTINUOUS ENDS. UNLESS SHOWN OTHERWISE ON DRAWINGS, LAP SPLICES SHALL NOT BE LESS THAN 48 TIMES THE BAR DIAM. SEE TYPICAL DETAILS FOR HOOKS OF CONTINUOUS BARS.

PROVIDE 2 # 6 BARS CONTINUOUS, TOP AND BOTTOM OF WALLS, 2 # 7 BARS CONTINUOUS, TOP AND BOTTOM OF GRADE BEAMS, UNLESS OTHERWISE NOTED.

PROVIDE 2 # 5 BARS AT EACH SIDE OF AN OPENING IN WALL OR SLAB. BAR LENGTH SHALL EQUAL OPENING DIMENSION PLUS 4 FEET.

SPLICE TOP BARS MIDSPAN BETWEEN SUPPORTS AND BOTTOM BARS OVER THE SUPPORTS UNLESS OTHERWISE NOTED ON DRAWINGS.

MASONRY

ALL MASONRY WORK SHALL COMPLY WITH "SPECIFICATIONS FOR MASONRY STRUCTURES," ACI 530.1 AND THE LOCAL BUILDING CODE.

ALL LOAD BEARING MASONRY CONSTRUCTION SHALL CONFORM TO "SPECIFICATION FOR THE DESIGN AND CONSTRUCTION OF LOAD BEARING CONCRETE MASONRY" OF THE NCMA AND ACI 531.

CONCRETE MASONRY UNIT CONSTRUCTION SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH F'M OF 1,500 PSI DETERMINED BY THE UNIT STRENGTH METHOD. GROUT SHALL HAVE A MINIMUM STRENGTH OF 2,500 PSI WITH SLUMP BETWEEN 8 AND 11 INCHES.

MASONRY MATERIALS SHALL CONFORM TO THE FOLLOWING MINIMUM REQUIREMENTS:

MATERIALS:

HOLLOW CMU	ASTM C-90
SOLID CMU	ASTM C-145
PORTLAND CEMENT	ASTM C-150
MASONRY CEMENT	ASTM C-91
MASONRY SAND	ASTM C-144
HYDRATED LIME	ASTM C-207 TYPE S
MORTAR	ASTM C-270 TYPE M OR S
GROUT	ASTM C-476

JOINT REINFORCING SHALL BE DUR-O-WALL, OR EQUAL, WELDED LADDER TYPE GALVANIZED WIRE. OTHER MASONRY REINFORCING SHALL BE OF THE TYPE SHOWN ON DRAWINGS. CONTROL JOINTS SHALL BE FACTORY-FABRICATED SOLID SECTIONS OF NATURAL OR SYNTHETIC RUBBER.

PROVIDE CONTINUOUS HORIZONTAL JOINT REINFORCING AT 16 INCHES ON CENTERS, TYP.

PROVIDE HORIZONTAL JOINT REINFORCING AT 8 INCH VERTICAL INTERVALS IN THE FIRST AND SECOND BED JOINTS IMMEDIATELY ABOVE LINTELS AND BELOW SILLS AT OPENINGS. EXTEND THE SECOND BED JOINT REINFORCING 2 FEET BEYOND EACH JAMB. PROVIDE PREFORMED UNITS FOR CONTINUOUS REINFORCING AT CORNERS.

REINFORCING SHALL NOT EXTEND THROUGH VERTICAL CONTROL JOINTS.

FILL BLOCK CORES SOLID AT VERTICAL REINFORCING AND DOWELS, BELOW BEARING POINTS OF STEEL BEAMS OR JOISTS, AT EMBEDDED ITEMS SUCH AS ANCHORS OR BOLTS, AND AT ALL CHANGES IN WALL THICKNESS OR TYPE OF CONSTRUCTION.

FOR REINFORCED MASONRY CONSTRUCTION, PROVIDE COARSE GROUT WITH A MAXIMUM GROUT LIFT HEIGHT OF 5 FEET. REINFORCING BARS SHALL PROJECT ABOVE THE TOP OF THE LIFT BY A DISTANCE NOT LESS THAN THE MINIMUM LAP SPLICE DIMENSION.

ALLOWABLE STRESSES HAVE BEEN ESTABLISHED ON THE BASIS OF ALL LOAD BEARING MASONRY CONSTRUCTION BEING INSPECTED BY A PROFESSIONAL ENGINEER, IN ACCORDANCE WITH CODE REQUIREMENTS.

BEARING WALLS AND SHEAR WALLS SHALL BE ERECTED WITH TYPE M OR S MORTAR. WHERE REINFORCING IS CALLED FOR IN SUCH WALLS, THE MORTAR SHALL CONFORM TO THE REQUIREMENTS OF TYPE PM OR PL. NON-LOAD BEARING WALLS MAY BE ERECTED WITH TYPE N MORTAR.

ADDITIVES CONTAINING CALCIUM CHLORIDE SHALL NOT BE ADDED TO THE MORTAR OR GROUT.

STRUCTURAL STEEL

THE STEEL SUBCONTRACTOR SHALL VISIT THE SITE AND SURVEY THE EXISTING CONDITIONS TO ENSURE STEEL FITMENT INTO EXISTING STRUCTURE.

ALL STRUCTURAL STEEL WORK SHALL COMPLY WITH THE "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" OF THE AISC.

ALL STRUCTURAL STEEL SHALL BE NEW, CLEAN AND STRAIGHT AND SHALL CONFORM TO THE LATEST EDITION FOR ASTM DESIGNATION A-992 FOR W SHAPES WITH YIELD STRESS OF 50,000 PSI, OR ASTM DESIGNATION A-500 GRADE-B FOR ALL "HSS" SECTIONS WITH YIELD STRESS OF 46,000 PSI. CHANNELS AND STEEL FOR BASE PLATES, CAP PLATES AND CONNECTION ANGLES MAY BE ASTM DESIGNATION A-36.

EXCEPT AS NOTED ON DRAWINGS, SHOP CONNECTIONS MAY BE WELDED OR HIGH STRENGTH BOLTED. FIELD CONNECTIONS SHALL BE BOLTED EXCEPT AS SHOWN ON PLANS OR SECTIONS.

WELDING SHALL BE DONE ONLY BY CERTIFIED WELDERS. WELDERS CERTIFICATIONS SHALL BE FURNISHED TO THE OWNER PRIOR TO THE PERFORMANCE OF THE WORK. ALL FIELD WELDING SHALL BE VISUALLY INSPECTED AND APPROVED BY AN INDEPENDENT INSPECTION AGENCY. MAGNETIC PARTICLE TEST 20% OF ALL FILLET WELDS.

ALL BOLTS SHALL COMPLY WITH ASTM DESIGNATION A-325. MINIMUM DIAMETER OF BOLTS IS 3/4 INCHES

SHEAR CONNECTIONS FOR NON-COMPOSITE BEAMS SHALL BE DESIGNED FOR 1.15 TIMES THE REACTION DUE TO THE MAXIMUM PERMITTED UNIFORM FULL SPAN LOAD SHOWN IN THE BEAM TABLES OF THE AISC STEEL MANUAL. SEE SCHEDULE FOR COMPOSITE BEAM REACTION FACTORS.

WHERE POSSIBLE USE TWO SIDED WEB CONNECTIONS FOR BEAMS TO GIRDERS AND COLUMNS.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL STEEL ELEMENTS FOR REVIEW. FABRICATE ONLY FROM APPROVED SHOP DRAWINGS. DRAWINGS SUBMITTED FOR APPROVAL SHALL BE 24" X 36" IN SIZE AND SHALL HAVE A MINIMUM OF FOUR DETAILS PER SHEET.

THE GENERAL CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS AND PROVIDE INFORMATION REQUIRED FOR COORDINATION BETWEEN TRADES AND SHALL VERIFY ALL DIMENSIONS ON SHOP DRAWINGS WITH FIELD DIMENSIONS BEFORE SUBMISSION.

THE GENERAL CONTRACTOR SHALL STAMP EACH DRAWING AND INDICATE THE DATE OF REVIEW WITH A STATEMENT INDICATING COMPLIANCE WITH PROJECT REQUIREMENTS. SUBMISSIONS NOT MEETING THESE REQUIREMENTS WILL BE RETURNED FOR CORRECTION.

MOMENT CONNECTIONS SHALL BE DESIGNED FOR THE VALUES SHOWN ON DRAWINGS. CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS SIGNED AND SEALED BY A NYS LICENSED ENGINEER WITH THE SHOP DRAWINGS.

PROVIDE STIFFENER ANGLES, TEES OR PLATES IN THE WEBS OF BEAMS UNDER ALL POSTS, COLUMNS OR STRUTS CARRIED BY THE BEAM, OVER HANGERS AND OVER COLUMNS THAT SUPPORT SEATED OR CANTILEVERED BEAMS.

PROVIDE HOLES OR COPES IN STRUCTURAL MEMBERS REQUIRED BY MECHANICAL TRADES. ALL SUCH HOLES OR COPES SHALL BE SHOWN ON SHOP DRAWINGS AND SHALL BE MADE IN THE SHOP. NO BURNING OR CUTTING OF STRUCTURAL STEEL SHALL BE DONE IN THE FIELD WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.

PROVIDE LOOSE LINTELS AS SHOWN ON PLAN, SECTIONS OR SCHEDULE OR AS REQUIRED BY THE ARCHITECTURAL DRAWINGS.

PROVIDE MASONRY ANCHORS WELDED TO BEAMS AND COLUMNS, TYPE AND GAUGE AS NOTED ON PLAN, WHEREVER MEMBERS ARE ABUTTED BY STONE OR MASONRY.

ERECTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF TEMPORARY BRACING NECESSARY TO THE STABILITY OF THE FRAME AND TO HOLD ALL PARTS IN PLUMB AND TRUE ALIGNMENT.

PROVIDE WELD PLATES WITH CAST-IN-PLACE ANCHORS FOR DECKING BEARING ON CONCRETE OR MASONRY.

PROVIDE THROUGH PLATE CONNECTIONS FOR ALL "HSS" SECTIONS USED AS COLUMNS WHERE STEEL BEAMS FRAME INTO THE COLUMN.

WELDING ELECTRODES SHALL BE E-70 SERIES. MINIMUM WELD SIZE IS 1/4 INCH.

ALL WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY CODE AWS D1.

LIGHT GAGE STEEL

ALL MEMBERS AND CONNECTIONS SHALL BE DESIGNED BY THE MANUFACTURER'S ENGINEER, IN ACCORDANCE WITH LOCAL CODE LOAD REQUIREMENTS. PROVIDE PE SIGNED/SEALED CALCULATIONS.

ALL 16 GAGE AND HEAVIER GALVANIZED STRUCTURAL MEMBERS SHALL BE FORMED FROM ASTM A-653, GRADE D STEEL WITH 50 KSI YIELD STRESS, MINIMUM.

ALL 18 AND 20 GAGE MEMBERS SHALL BE FORMED FROM ASTM A-653, GRADE A STEEL WITH 33 KSI YIELD STRESS, MINIMUM.

STRUCTURAL PROPERTIES SHALL BE COMPUTED IN ACCORDANCE WITH THE AISI "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS", LATEST EDITION.

FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ALL FIELD ABRASIONS TO MEMBERS FROM WELDING SHALL BE TOUCHED UP WITH ZINC RICH PAINT OR PRIMER. SCREWS SHALL BE CADMIUM OR ZINC PLATED FOR CORROSION RESISTANCE.

CLIP ANGLE CONNECTIONS SHALL BE 12 GAGE STEEL, MINIMUM. CONNECTIONS OF 18 GAGE OR HEAVIER MATERIAL MAY BE WELDED OR SCREWED. LIGHTER MATERIAL MAY ONLY BE SCREWED.

MINIMUM SIZE OF SCREWS SHALL BE NO. 10-16. SCREW SPACING AND EDGE DISTANCE SHALL NOT BE LESS THAN 3/4 INCH.

WELDING RODS SHALL BE 3/32" DIAMETER, TYPE E-60 OR E-70.

CONNECTIONS OF LIGHT GAGE STEEL TO CONCRETE OR STRUCTURAL STEEL MAY BE MADE USING HILTI POWDER ACTUATED FASTENERS (PAFS), 0.145" DIAMETER, MIN. MINIMUM EMBEDMENT OF PAFS IN CONCRETE IS 1 1/8". POINT OF PAFS SHALL BE DRIVEN COMPLETELY THROUGH THE BACK SIDE OF HOT ROLLED STRUCTURAL STEEL MEMBERS.

BUILT-UP LIGHT GAGE STEEL MEMBERS OR ASSEMBLIES SHALL HAVE EACH COMPONENT FASTENED AT SPACINGS NOT TO EXCEED 12 INCHES.

PROVIDE TOP AND BOTTOM FLANGE BRIDGING AT MID SPAN FOR JOISTS SPANNING UP TO 16 FEET AND AT THIRD POINTS FOR LONGER SPANS.

PROVIDE CONTINUOUS HORIZONTAL BRIDGING FOR STUDS IN BEARING AND EXTERIOR WALLS AT 4 FOOT MIMIMUM VERTICAL SPACING. WELD OR CLIP TO EACH STUD.

OPEN WEB STEEL JOISTS

STEEL JOISTS SHALL CONFORM TO THE REQUIREMENTS OF THE STEEL JOIST INSTITUTE, LATEST EDITION.

STEEL JOISTS SHALL HAVE EXTENDED ENDS AS SHOWN ON DRAWINGS OR AS REQUIRED BY ARCHITECTURAL DETAILS.

PROVIDE AND INSTALL JOIST BRIDGING AS REQUIRED BY THE SJI SPECIFICATION AND AS SHOWN ON PLANS.

THE ENDS OF ALL BRIDGING LINES TERMINATING AT WALLS OR BEAMS SHALL BE ANCHORED THERETO.

IN ADDITION TO UNIFORM DEAD AND LIVE LOAD SPECIFIED ON THE DRAWINGS, ALL ROOF JOISTS SHALL BE DESIGNED FOR A NOMINAL CONCENTRATED LOAD OF 300 LBS APPLIED BETWEEN PANEL POINTS.

IN ADDITION TO UNIFORM DEAD AND LIVE LOAD SPECIFIED ON DRAWING S-3.0, ALL ROOF JOIST SHALL BE DESIGNED FOR A CONCENTRATED LOAD OF 1,000 LBS APPLIED AT TOP CHORD PANEL POINTS. FOR CONCENTRATED LOAD OF 1,000 LBS APPLIED BETWEEN PANEL POINTS, G.C. TO COORDINATE FIELD INSTALLATION OF A STRUT TO TRANSFER CONCENTRATED LOAD TO A PANEL POINT ON THE OPPOSITE CHORD.

STEEL FLOOR DECK

FORM STEEL DECK SHALL BE GALVANIZED COMPOSITE DECK, BY VULCRAFT OR ENGINEER'S APPROVED EQUAL.

ALL STEEL DECK SHALL EXTEND CONTINUOUSLY ACROSS AT LEAST THREE SPANS AND BE FASTENED TO SUPPORTING MEMBERS WITH 5/8" DIAMETER PUDDLE WELDS SPACED AT 12 INCHES MAXIMUM. SHOP DRAWINGS SHALL SHOW THE REQUIRED FASTENER TYPE, SIZE AND SPACING AS WELL AS REQUIRED DECK REINFORCEMENT AT PENETRATIONS.

PROVIDE POUR STOPS AND CLOSURES AT COLUMNS AS REQUIRED.

PROVIDE STEEL ANGLE OR STEEL BENT PLATE AT SLAB EDGES AND CLOSURE PLATES FOR MECHANICAL OPENINGS UNLESS OTHERWISE NOTED.

ALL STEEL DECK SHALL HAVE A 3" MINIMUM BEARING LENGTH.

STEEL ROOF DECK

ROOF DECK SHALL BE GALVANIZED TYPE "B" STEEL DECK BY VULCRAFT OR ENGINEER'S APPROVED EQUAL.

ALL STEEL DECK SHALL EXTEND CONTINUOUSLY ACROSS AT LEAST THREE SPANS AND BE FASTENED TO SUPPORTING MEMBERS IWITH 5/8" DIAMETER PUDDLE WELDS AT 12" O.C., MAX. FASTEN SIDE LAPS WITH #10 SCREWS AT 36 INCH MAX. SPACING. SHOP DRAWINGS SHALL SHOW THE REQUIRED FASTENING TYPE, SIZE AND SPACING.

PROVIDE ALL NECESSARY CELL CLOSURES, EDGE STRIPS, CANTS, SUMP PANS, ETC., AS REQUIRED FOR A COMPLETE JOB WHETHER OR NOT SHOWN ON PLANS.

PROVIDE STEEL ANGLE OR STEEL BENT PLATE AT SLAB EDGES AND CLOSURE PLATES FOR MECHANICAL OPENINGS UNLESS OTHERWISE NOTED.

EPOXY ANCHOR

EPOXY INTO CONCRETE SHALL BE HILTI HIT-200. EPOXY INTO CMU SHALL BE HILTI HIT-270.

ANCHOR SHALL BE EITHER A36 THREADED ROD OR REINFORCING BAR.

INSTALLATION OF THE ANCHOR SHALL BE IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. DO NOT APPLY LOAD OR DISTURB THE ANCHOR UNTIL FULLY CURED.

PROJECT: BREWSTER CENTRAL SCHOOL DISTRICT - C.V. STARR INTERMEDIATE SCHOOL

DESIGN CRITERIA

BUILDING CODE:	2015 INTERNATIONAL BUILDING CODE
CONCRETE DESIGN CODE:	ACI 318-14
STEEL DESIGN CODE:	AISC MANUAL OF STEEL CONSTRUCTION, 14TH EDITION, ASD
STEEL DESIGN METHOD:	ELASTIC ANALYSIS

DEAD LOAD

ROOF DECK:	40 PSF
ROOF WITH CONCRETE ON METAL DECK:	95 PSF
FIRST FLOOR CONCRETE ON METAL DECK:	95 PSF
GROUND FLOOR CONCRETE SLAB ON GRADE:	100 PSF

LIVE LOAD

ROOF DECK :	20 PSF
ROOF DECK SUPPORTING MECHANICAL EQUIPMENT:	95 PSF
ROOF CONCRETE ON METAL DECK SUPPORTING MECHANICAL EQUIPMENT:	100 PSF
FIRST FLOOR CORRIDOR:	100 PSF
GROUND FLOOR STAGE:	100 PSF
GROUND FLOOR STORAGE:	125 PSF
GROUND FLOOR REMAINING AREAS:	100 PSF

SNOW LOAD

TERRAIN CATEGORY:	B
GROUND SNOW LOAD (Pg):	30 PSF
SNOW EXPOSURE FACTOR (Ce):	1.0
THERMAL FACTOR (Ct):	1.0
SNOW IMPORTANCE FACTOR (Is):	1.10
FLAT ROOF SNOW LOAD (Pf):	35 PSF

SEISMIC DATA

BUILDING RISK CATEGORY:	III
SEISMIC IMPORTANCE FACTOR (Ie):	1.25
MAPPED SPECTRAL RESPONSE ACCELERATION (Ss):	21.9%
MAPPED SPECTRAL RESPONSE ACCELERATION (S1):	6.7%
SITE CLASS:	D
SPECTRAL RESPONSE ACCELERATION (SMS):	35.1%
SPECTRAL RESPONSE ACCELERATION (SM1):	16.2%
DESIGN SPECTRAL RESPONSE ACCELERATION (SDS):	23.4%
DESIGN SPECTRAL RESPONSE ACCELERATION (SD1):	10.8%
SEISMIC DESIGN CATEGORY:	B
BASIC SEISMIC FORCE RESISTING SYSTEM:	INTERMEDIATE REINFORCED MASONRY SHEAR WALLS
RESPONSE MODIFICATION FACTOR (R):	3.5
DEFLECTION AMPLIFICATION FACTOR (Cd):	2.25
ANALYSIS PROCEDURE:	EQUIVALENT LATERAL FORCE ANALYSIS

WIND LOAD

ULTIMATE DESIGN WIND SPEED:	123 MPH
WIND IMPORTANCE FACTOR (Iw):	1.0
WIND EXPOSURE CATEGORY:	B

COMPONENTS AND CLADDING SERVICE LEVEL WIND PRESSURES:
a = 10'-6"

ROOF:	WALL AND OVERHANG:
ZONE 1: ±19 PSF	ZONE 4: ±20 PSF
ZONE 2: ±31 PSF	ZONE 5: ±25 PSF
ZONE 3: ±47 PSF	

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LICENCE EXP. DATE: 10-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
ADDITION & RENOVATION, INTERIOR RENOVATIONS & SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
TYPICAL DETAILS

PROJECT # 23041

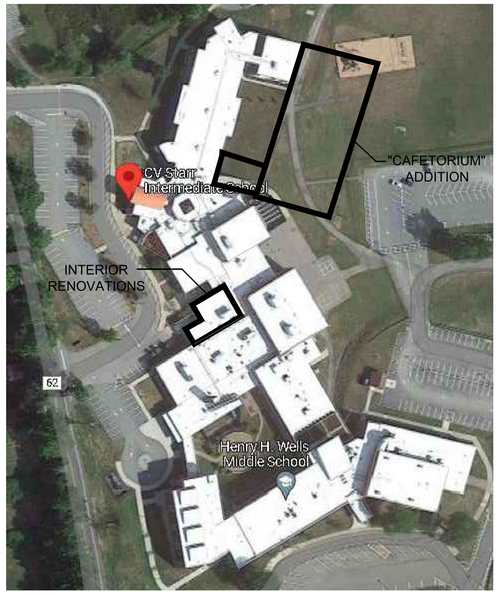
DATE	ISSUED TO
12-09-2024	BID
03-05-2024	S.E.D SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS S-401
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.02

LEGEND

M, MD	MOTORIZED DAMPER
ARCH	ARCHITECT
UP	DUCT UP
DN	DUCT DOWN
FCU	FAN COIL UNIT
LD	LINEAR DIFFUSER
COD	CABLE OPERATED DAMPER
CFM	CUBIC FEET PER MINUTE, AIR
R/A	RETURN AIR
S/A	SUPPLY AIR
OA	OUTSIDE AIR
EXH	EXHAUST
EG	EXHAUST GRILLE
(E)	EXISTING
(N)	NEW
(CD)	CEILING DIFFUSER
TYP.	TYPICAL
WMS	WIRE MESH SCREEN
ø	DIAMETER OF ROUND DUCT
RTU	ROOF-TOP UNIT
ERV	ENERGY RECOVERY VENTILATOR
HWC	HOT WATER COIL
MANU.	MANUFACTURER
TEMP	TEMPERATURE
MCA	MINIMUM CIRCUIT AMPACITY
RFS	RECOMMENDED FUSE SIZE
FLA	FULL LOAD AMPERES
MOCP	MAXIMUM OVERCURRENT PROTECTION
QTY	QUANTITY
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
EAT	ENTERING AIR TEMPERATURE
LAT	LEAVING AIR TEMPERATURE
	DEMOLISH HIGHLIGHTED DUCTWORK AND EQUIPMENT
FD/AD	FIRE DAMPER WITH ACCESS DOOR
FSD/AD	FIRE/SMOKE DAMPER WITH ACCESS DOOR
HP	HEAT PUMP
T	THERMOSTAT
SD	SMOKE DETECTOR
DSD	DUCT SMOKE DETECTOR
CO2	CARBON DIOXIDE SENSOR
#X#	DUCT DIMENSIONS (CLEAN INSIDE DIM.)
RAG	RETURN AIR GRILLE
— · — · —	NEW CONDENSATE PIPING
— — —	NEW REFRIGERANT PIPING
— - - - —	HOT WATER SUPPLY PIPING
— - - - —	HOT WATER RETURN PIPING
	VOLUME DAMPER ACROSS DUCTWORK
	POINT OF CONNECTION, NEW WORK TO EXISTING
A A	SECTION LINE

PROJECT LOCATION



EXISTING SITE PHOTO

SCALE N.T.S.

PROJECT NOTES:

1. ALL BIDDERS SHALL VISIT PROJECT SITE TO THOROUGHLY FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS. CLAIMS FOR EXTRA PAYMENTS FOR WORK, WHICH COULD HAVE BEEN IDENTIFIED VIA CAREFUL SITE INSPECTION, WILL NOT BE ACKNOWLEDGED.

2. PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR SHALL PREPARE EQUIPMENT SUBMITTALS PER SPECIFICATION AND SUBMIT TO DESIGN ENGINEER FOR REVIEW/APPROVAL.

3. UPON COMPLETION OF WORK, CONTRACTOR SHALL SUBMIT AS-BUILTS DRAWINGS IN ACCORDANCE WITH SPECIFICATIONS.

4. PRIOR TO CLOSEOUT, CONTRACTOR SHALL SUBMIT OPERATION AND MAINTENANCE MANUAL TO ENGINEER FOR APPROVAL. FOLLOWING APPROVAL, CONTRACTOR SHALL DELIVER (1) HARD COPY AND (1) DIGITAL COPY ON THUMB DRIVE TO OWNER.

5. IN ADDITION TO EQUIPMENT SUBMITTALS CONTRACTOR SHALL ISSUE 3/8" SCALE SHEET METAL AND PIPING SHOP DRAWINGS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF WORK.

6. CONTRACTOR SHALL NOTE THAT EXISTING BAS HARDWARE IS MANUFACTURED BY ANDOVER. CONTRACTOR SHALL PROVIDE ALLOWANCE FOR HVAC CONTROLS AS INDICATED IN FRONT END SPECIFICATIONS.

ATC CONTRACTOR SHALL FURNISH AND INSTALL ALL HARDWARE AND WIRING REQUIRED FOR CONTROL AND MONITORING OF NEW HVAC EQUIPMENT. ATC CONTRACTOR SHALL DO ALL PROGRAMMING, BUILD ALL GRAPHICS FOR NEW EQUIPMENT AND CREATE THERMAL FLOOR PLANS FOR ALL TEMPERATURE ZONES. ESTABLISH OCCUPANCY SCHEDULES WITH OWNER AND ROUTING OF ALARMS.

REFER TO CONTROLS DIAGRAM FOR ADDITIONAL INFORMATION.

ALTERNATE:

1. CONTRACTOR SHALL ENGAGE A LICENSED DUCT CLEANING CONTRACTOR TO PROFESSIONALLY CLEAN ALL EXISTING SUPPLY AND RETURN AIR DUCTWORK IN PROJECT AREA. PROVIDE ALL NECESSARY ACCESS POINTS INTO THE DUCT SYSTEM TO SUPPORT THIS WORK. UPON COMPLETION OF THE WORK, PROVIDE A LETTER TO THE OWNER AND INCLUDE ALL ACCESS DOORS IN AS-BUILT DRAWINGS.

GENERAL NOTES:

1. REFER TO WRITTEN (BOOK) SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. CONTRACTOR SHALL FIRESTOP ALL PIPING PENETRATIONS THRU CORRIDOR AND FIRE-RATED WALLS.
3. FURNISH AND INSTALL NEW CO2 SENSORS TO EMPLOY DEMAND CONTROL VENTILATION SEQUENCE WHERE INDICATED ON PLANS. SEE SEQUENCE OF OPERATION FOR ADDITIONAL INFORMATION.
4. CONTRACTOR SHALL FURNISH AND INSTALL FUSIBLE LINK TYPE FIRE DAMPERS (WITH DUCT ACCESS DOORS) AT DUCT PENETRATIONS THRU RATED WALLS, CEILINGS AND FLOORS. REFER TO ARCHITECTURAL PLANS IF RATED PARTITIONS ARE NOT NOTED IN MECHANICAL DRAWINGS.
5. ALL PIPING AND DUCTWORK SHALL BE INSULATED IN ACCORDANCE WITH NEW YORK STATE ENERGY CONSERVATION CODE.

PROJECT DESCRIPTION

1. THE INTENT OF THIS PROJECT IS TO PROVIDE A NEW MECHANICAL EQUIPMENT, PIPING, DUCTWORK AND CONTROLS TO SERVE THE NEW CAFETORIUM ADDITION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING WORK:

GENERAL:

- DEMO OF EXISTING EQUIPMENT & DUCTWORK AS SHOWN ON PLANS.
- NEW PACKAGED & SPLIT MECHANICAL EQUIPMENT AND RIGGING ONTO ROOF.
- NEW VAV BOXES SHOWN ON PLANS.
- NEW REFRIGERANT AND CONDENSATE PIPING.
- NEW GREASE FAN AND MAKEUP AIR UNIT SERVING KITCHEN.
- NEW CUSTOM DUCT SILENCERS (BY BY VIBRO ACOUSTICS OR EQUAL) FOR RTU-1.
- NEW VIBRATION ISOLATION CURB FOR RTU-1.
- NEW GALVANIZED SHEET METAL DUCTWORK AND AIR OUTLETS.
- NEW DUCTWORK & PIPING INSULATION.
- LABELING OF ALL DUCTWORK, PIPING & EQUIPMENT.
- AIR AND WATER TESTING AND BALANCING.
- NEW WEB-BASED DDC HVAC CONTROL SYSTEM FOR ALL NEW EQUIPMENT. NEW VRF EQUIPMENT SHALL BE EQUIPPED WITH FACTORY CONTROLS AND BACnet INTERFACE SUCH THAT ALL POINTS AND ALARMS WILL PASS THRU TO NEW BMS.
- EQUIPMENT STARTUP AND TESTING BY FACTORY AUTHORIZED REPRESENTATIVES.
- CLOSEOUT PACKAGE INCLUDING CUT SHEETS, AS BUILT DRAWINGS AND WARRANTY INFORMATION.
- OWNER TRAINING ON NEW EQUIPMENT AND CONTROLS (MIN. 2HRS EACH).

VRF NOTES:

1. ALL PIPING SHALL BE INSULATED IN ACCORDANCE WITH STATE ENERGY CODE.
2. CONTRACTOR SHALL CONFIRM ALL REFRIGERANT (DX) PIPE SIZES AND LENGTHS WITH MANUFACTURER. PROVIDE COORDINATED PIPING SHOP DRAWINGS TO SHOW DX PIPING RUNOUTS AND SIZES FOR ALL EQUIPMENT.
3. CONTRACTOR SHALL FURNISH AND INSTALL BRAZED COPPER REFRIGERANT PIPING AS INDICATED ON M100.2, M101.1, M103, AND M-ALT SHEETS, INCLUDING PIPING INTERCONNECTS BETWEEN HEAT PUMP, BRANCH BOXES, AND CEILING CASSETTE & FAN COIL UNITS. PIPING SHALL BE INSULATED PER MANUFACTURER'S INSTRUCTIONS. SIZING SHALL BE AS SHOWN ON PIPING DIAGRAM, ON M202 SHEET.
4. VRF SYSTEM PIPING JOINTS SHALL BE LOCATED ABOVE THE CLG.
5. CONTRACTOR SHALL ROUTE NEW CONDENSATE PIPING FROM FACTORY PUMP AT FCU TO NEW INDIRECT CONNECTION TO SANITARY PIPING. COORDINATE WITH PLUMBING SUB IF NECESSARY TO MAKE INDIRECT CONNECTION AT LOCATION SHOWN ON PLAN.
6. FURNISH AND INSTALL NEW 1" COPPER CONDENSATE PIPING AS SHOWN, GRAVITY PITCHED TO SANITARY CONNECTION AS LOCATED ON THE PLANS. PROVIDE PIPING FROM CONDENSATE PUMP DISCHARGE (NOT SHOWN ON PLANS) OF ALL CCU/FCU's TO SANITARY CONNECTION.

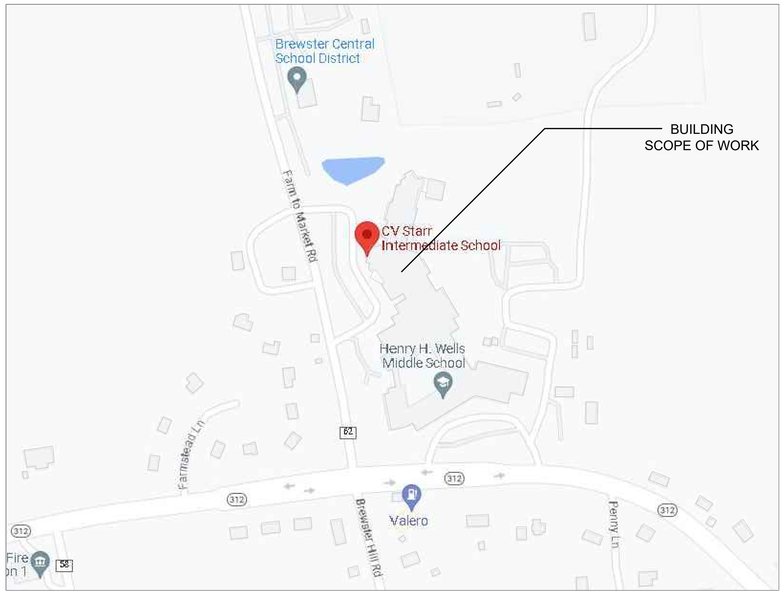
DRAWING SCHEDULE

DRAWING NUMBER	DRAWING DESCRIPTION
CVS M001	MECHANICAL NOTES AND LEGEND
CVS M002	MECHANICAL BASE-BID VENTILATION TABLES
CVS M100.1	GROUND FLOOR MECHANICAL DUCTWORK PLAN
CVS M100.2	GROUND FLOOR MECHANICAL PIPING PLAN
CVS M101.1	FIRST FLOOR MECHANICAL DEMO & NEW REFLECTED CEILING PLANS
CVS M102.1	FIRST FLOOR MECHANICAL DEMO & NEW REFLECTED CEILING DUCTWORK PLANS
CVS M102.2	FIRST FLOOR MECHANICAL NEW REFLECTED CEILING PIPING PLAN
CVS M1-ALT.	MECHANICAL ALTERNATE REFLECTED CEILING PLANS
CVS M2-ALT.	MECHANICAL ALTERNATE PIPING AND WIRING DIAGRAMS
CVS M103	ROOF MECHANICAL PLANS
CVS M200	MECHANICAL DETAILS
CVS M201	MECHANICAL DETAILS
CVS M202	MECHANICAL DETAILS
CVS M203	MECHANICAL PIPING & CONTROLS DIAGRAM
CVS M300	MECHANICAL SCHEDULES
CVS M301	MECHANICAL SCHEDULES

MECHANICAL GENERAL NOTES:

1. PROVIDE NECESSARY LOW VOLTAGE WIRING, POWER SUPPLIES TO CONTROLLER, AND TRANSFORMERS TO SUPPLY POWER TO THE REMOTE SENSORS AS REQUIRED BY MANUFACTURER. THIS WIRING SHLL BE RUN WITHIN CMU BLOCK CELLS LOCATED IN THE W/ OWNER PRIOR TO INSTALLATION.
2. PROVIDE NECESSARY ACCESS & CLEARANCES AROUND ALL EQUIPMENT ACCORDING TO MANUFACTURER'S RECOMMENDATION, SEE MECHANICAL DETAIL DRAWINGS (M-200'S) FOR ADDITIONAL INFO.
3. ALL DUCTWORK PENETRATING FIRE PARTITIONS THAT ARE MORE THAN 1-HOUR RATED SHALL HAVE FIRE DAMPERS. AIR TRANSFER DUCTWORK PENETRATING 1-HOUR AND ABOVE RATED PARTITIONS SHALL HAVE FIRE DAMPERS. ALL DUCTWORK PENETRATING FIRE PARTITIONS THAT ARE 2-HOUR RATED OR MORE SHALL HAVE FIRE/SMOKE DAMPERS. PROVIDE ACCESS DOORS FOR ALL FIRE DAMPERS IN THE DUCT AND FINISHED BUILDING SURFACES (I.E. INACCESSIBLE CEILINGS, SHAFT WALLS, ETC.) FOR DAMPER MAINTENANCE AND INSPECTION.
4. ALL DUCTWORK & PIPING SHALL BE TIGHT TO STRUCTURE UNLESS OTHERWISE NOTED.
5. ALL CONCEALED NEW DUCTWORK SHALL BE PROVIDED W/ FIBERGLASS INSULATION WRAP (R-6 OR EQUAL).
6. ALL BRANCH DUCTS SHALL BE EQUIPPED WITH MANUAL VOLUME DAMPERS WHETHER INDICATED ON PLANS OR NOT. DAMPERS LOCATED ABOVE INACCESSIBLE CEILINGS SHALL BE REMOTE CABLE OPERATED TYPE.
7. ALL DUCT DIMENSIONS ARE INSIDE CLEAR DIMENSIONS.
8. ALL DUCTWORK WITHIN 15FT OF UNITS SHALL BE ACOUSTICALLY LINED.
9. CONTRACTOR SHALL REINFORCE ALL DUCTWORK SIZED AT A RATIO OF MORE THAN 3 TO 1 FOR WIDTH TO HEIGHT; PREVENTING "DUCTWALL" DEFLECTION DURING SYSTEM START-UP.
10. ALL 90° SHARP EDGE ELBOWS IN DUCTS SHALL HAVE TURNING VANES.
11. COORDINATE ALL THERMOSTAT LOCATIONS WITH ARCHITECT PRIOR TO ROUGHING WIRE. LOCATE SENSORS AND THERMOSTATS SUCH THAT THEY ARE ACCESSIBLE, PROTECTED, AND IN AN AREA OF UNOBSTRUCTED AIR CIRCULATION 4 FT. ABOVE FINISHED FLOOR. PROVIDE EACH DEVICE WITH ACCESSORIES NECESSARY TO MEET THE NEEDS OF THE SYSTEM.
12. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIALS, AND LABOR TO SATISFY COMPLETE WORKING MECHANICAL SYSTEM WHETHER SPECIFIED OR IMPLIED.
13. VERIFY EXACT LOCATION OF ALL EQUIPMENT IN FIELD AND COORDINATE WITH ALL TRADES.
14. COORDINATE ALL PIPING WITH EXISTING STRUCTURAL CONDITIONS AS NEEDED FOR PROPER INSTALLATION.
15. ALL VAV BOXES TO BE EQUIPPED WITH HOT WATER REHEAT COILS.

C.V. STARR INTERMEDIATE SCHOOL
PACKAGE 2
20 FARM TO MARKET ROAD BREWSTER, NY 10509



PROPOSED SITE KEY PLAN

SCALE N.T.S.

ABBREVIATIONS

(NOTE: ALL ABBREVIATIONS MAY NOT APPEAR ON DRAWINGS)

A	Amps, Ampere	EC	Electrical Contractor	LAT	Latent (BTU)	RCP	Reflected Ceiling Plan
ABV	Above	EDH	Electric Duct Heater	LB	Pounds (Weight)	REC	Receptacle
AC	Air Conditioner	EER	Energy Efficiency Ratio	LIN FT	Linear Foot	REF	Reference
ACCU	Air Cooled Condensing Unit	EL	Elevation	LTG	Lighting	REFR	Refrigerator
AFF	Above Finish Floor	ELEC	Electrical	LWT	Leaving Water Temperature	REQ	Required
AFG	Above Finish Grade	ELEV	Elevator	mA	Mili Amps	RH	Relative Humidity
AHU	Air Handling Unit	EMER	Emergency	MAX	Maximum	RLA	Running Load Amps
AMB	Ambient	EQUIP	Equipment	MBH	Thousand British Thermal Unit Per Hour	RM	Room
AUX	Auxiliary, Auxiliaries	ER	Existing to be Removed	MCB	Main Circuit Breaker	RPM	RPM
AV	Audio Visual	ERV	Energy Recovery Ventilator	MCC	Motor Control Center	RQ	Requirement
BLDG	Building	ESP	External Static Pressure	MDF	Main Distribution Frame – Data	RTU	Roof Top Unit
BMS	Building Management System	EWH	Electric Wall Heater	MH	Methane	SA	Supply Air
BTU	British Thermal Unit	ETR	Existing To Remain	MIN	Minimum	SEER	Seasonal Energy Efficiency Ratio
BTUH	British Thermal Unit Per Hour	EWT	Entering Water Temperature	MISC	Miscellaneous	SENS	Sensible (BTU)
CAT	Catalogue	EXH	Exhaust	MECH	Mechanical	SHT	Sheet
CD	Condensate Drain	EXIST, EXG	Existing	MTD	Mounted	SHT MTL	Sheet Metal
CFH	Cubic Feet Per Hour	F	Degrees Fahrenheit	MTG	Mounting	SP	Static Pressure
CFM	Cubic Feet Per Minute	FA	Free Area	MTL	Metal	SPECS	Specifications
CHWR	Chilled Water Return	FCU	Fan Coil Unit	MTR	Motor	SPKR	Speaker
CHWS	Chilled Water Supply	FD	Fire Damper	MTRZD	Motorized	SQ	Square
CI	Cast Iron	FPM	Feet Per Minute	VD	Manual Volume Damper	SQFT, SF	Square Feet
CKT	Circuit	FPB	Fan Powered VAV Terminal Unit	NA	Not Applicable	STD	Standard
CLG	Ceiling	FT	Feet	NC	Normally Closed	SW	Switch
CO	Clean Out, Carbon Monoxide	F/A	From Above	NEC	National Electrical Code	SWBD	Switchboard
CO2	Carbon Dioxide	F/B	From Below	NEMA	National Electrical Manufacturers Association	SWGR	Switchgear
COL	Column	GA	Gauge	NFPA	National Fire Protection Association	SYM	Symmetrical
COMM	Communication	GAL	Gallons	NIC	Not In Contract	T-STAT	Thermostat
CONC	Concrete	GALV	Galvanized	NO	Normally Open	TC	Timeclock
CONN	Connect	GC	General Contractor	NOx	Nitrogen Dioxide	TELE	Telephone
CONST	Construction	GEN	Generator	OA	Outside Air	TOT	Total (BTU)
CONT	Continuous	GPH	Gallons Per Hour	OBD	Opposed Blade Damper	TYP	Typical
COP	Coefficient Of Performance	GPM	Gallons Per Minute	OC	On Center	UF	Underfloor
CRAC	Computer Room Air Conditioning Unit	H	Height, Hydrogen	OCC	Occupancy	V	Volt
CT	Cooling Tower	HD	Head	OD	Outside Diameter	VAC	Vacuum
CU	Condensing Unit	HORIZ	Horizontal	OZ	Ounce	VA	Valve
CVO	Cold Water Valved Opening	HP	Horsepower	OED	Open-ended Duct	VAV	Variable Air Volume
CW	Cold Water	HTG	Heating	PE	Photo-Electric	VD	Volume Damper
CWR	Condenser Water Return	HUM	Humidity	PD	Pressure Drop	VERT	Vertical
CWS	Condenser Water Supply	HVAC	Heating, Ventilation, & Air Conditioning	PERF	Perforated	VT	Vent
D	Depth	HVLS	High Velocity Low Speed	PF	Power Factor	VTL	Ventilation
DB	Dry Bulb	HWR	Hot Water Return	PH	Phase	VV	Variable Volume Terminal Unit
DCV	Demand Controlled Ventilation	HWS	Hot Water Supply	PLBG	Plumbing	W	Watts
DIA	Diameter	IN	Inches	PSI	Pounds Per Square Inch	W	Width
DIFF	Diffuser	IN WC	Inches Water Column	PSIA	Pounds Per Square Inch-Absolute	WB	Wet Bulb
DN	Down	KVA	Kilovolt Amperes	PSIG	Pounds Per Square Inch-Gauge	WH	Water Heater
DOAS	Dedicated Outside Air System	KW	Kilowatt	PVC	Polyvinyl Chloride	WMS	Wire Mesh Screen
DTL	Detail	KWH	Kilowatt – Hour	PWR	Power	WP	Weatherproof
DWG	Drawing	L	Length	QTY	Quantity	WT	Weight
EA	Each	LAT	Leaving Air Temperature	R/A	Return Air		
EAT	Entering Air Temperature						

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KEY PLAN

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LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE: BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE: MECHANICAL NOTES & LEGEND

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS M001
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO.: 23505.02

PLOT DATE: December 02, 2024 - 5:52pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 - Cafetorium\ACAD\Mechanical\CVS PKG2_M-001_M-002.dwg

VENTILATION AIR REQUIREMENTS

Project:	C.V. STARR INTERMEDIATE SCHOOL			State:	New York	Relevant Code:	IMC 2015		
HVAC ZONE	AREA SERVED	OCCUPANCY CLASSIFICATION	OCCUPANT DENSITY (#/1000 SQFT)	OCCUPANT LOAD Pz (Az)	REQUIRED VENTILATION Rp / Ra	ZONE AIR DIST. EFFECTIVENESS (Ez)	O.A/E.A. REQUIRED (CFM) Vbz	O.A/E.A. DESIGN (CFM)	REMARKS
ERV-1	BOY'S TOILET	Toilet rooms - public (continuous fan)	0	4 (230 SF)	50 CFM EXHAUST AIR	0.8	50	100	4
	GIRL'S TOILET	Toilet rooms - public (continuous fan)	0	4 (230 SF)	50 CFM EXHAUST AIR	0.8	50	100	4
	CORRIDOR 40	Corridors	0	- (430 SF)	- CFM/PERSON 0.06 CFM/SF	0.8	32	35	4
	OFFICE 44	Office spaces	5	2 (185 SF)	5 CFM/PERSON 0.06 CFM/SF	0.8	26	30	1, 4
	OFFICE 43	Office spaces	5	2 (180 SF)	5 CFM/PERSON 0.06 CFM/SF	0.8	26	30	1, 4
	J.C. 46	Toilet rooms - public (continuous fan)	0	- (65 SF)	50 CFM EXHAUST AIR	0.8	50	50	4
	MECH. 47	Storage rooms	0	- (285 SF)	- CFM/PERSON 0.12 CFM/SF	0.8	43	45	4
	S.E. VESTIBULE	Lobbies/prefunction	30	2 (60 SF)	7.5 CFM/PERSON 0.06 CFM/SF	0.8	23	25	2
	CORRIDOR 45	Corridors	0	- (680 SF)	- CFM/PERSON 0.06 CFM/SF	0.8	51	55	4
	VESTIBULE 48	Lobbies/prefunction	30	4 (110 SF)	7.5 CFM/PERSON 0.06 CFM/SF	0.8	46	50	2
	CALCULATED OUTSIDE/MAKEUP AIR FOR SYSTEM TOTAL						328	445	
RTU-2 & MUA-1	DRY STORAGE 50A	Storage rooms	0	- (170 SF)	- CFM/PERSON 0.12 CFM/SF	0.8	26	30	1, 5
	DRY STORAGE 50B	Storage rooms	0	- (110 SF)	- CFM/PERSON 0.12 CFM/SF	0.8	17	20	1, 5
	KITCHEN	Kitchens (cooking)	0	- (1850 SF)	0.7 CFM EXHAUST AIR	0.8	1620	1620	1, 5
	KITCHEN LOCKER	Locker/dressing rooms	0	- (90 SF)	0.25 CFM EXHAUST AIR	0.8	30	30	1, 5
	KITCHEN J.C.	Toilet rooms - public (continuous fan)	0	- (25 SF)	50 CFM EXHAUST AIR	0.8	50	50	1, 5
	KITCHEN OFFICE	Office spaces	5	1 (105 SF)	5 CFM/PERSON 0.06 CFM/SF	0.8	14	15	1, 5
	KITCHEN ELEC.	Storage rooms	0	- (60 SF)	- CFM/PERSON 0.12 CFM/SF	0.8	9	10	1, 5
	CALCULATED OUTSIDE/MAKEUP AIR FOR SYSTEM TOTAL						1765	1775	
RTU-1	CAFETORIUM	Cafeteria, fast food	100	620 (6195 SF)	7.5 CFM/PERSON 0.18 CFM/SF	0.8	7206	7210	3
	CORRIDOR 51 - VEST.	Corridors	0	- (130 SF)	- CFM/PERSON 0.06 CFM/SF	0.8	10	10	2
	CALCULATED OUTSIDE/MAKEUP AIR FOR SYSTEM TOTAL						7206	7210	
ERV-2	STAGE 49A	Stages/studios	70	96 (1365 SF)	10 CFM/PERSON 0.06 CFM/SF	0.8	1302	1305	4
	CORRIDOR 51	Corridors	0	- (315 SF)	- CFM/PERSON 0.06 CFM/SF	0.8	24	25	4
	CALCULATED OUTSIDE/MAKEUP AIR FOR SYSTEM TOTAL						1326	1330	

REMARKS:

1. OUTSIDE AIR TO BE PROVIDED VIA CEILING CASSETTE EQUIPMENT.
2. OUTSIDE AIR TO BE PROVIDED VIA OPENING DOOR(S) AND NOT INCLUDED IN THE O.A./E.A. DESIGN (CFM)TOTAL.
3. OUTSIDE AIR TO BE PROVIDED VIA RTU.
4. OUTSIDE AIR TO BE PROVIDED VIA ERV.
5. OUTSIDE AIR TO BE PROVIDED VIA MUA.

VENTILATION AIR REQUIREMENTS

Project:	C.V. STARR INTERMEDIATE SCHOOL			State:	New York	Relevant Code:	IMC 2015		
HVAC ZONE	AREA SERVED	OCCUPANCY CLASSIFICATION	OCCUPANT DENSITY (#/1000 SQFT)	OCCUPANT LOAD Pz (Az)	REQUIRED VENTILATION Rp / Ra	ZONE AIR DIST. EFFECTIVENESS (Ez)	O.A/E.A. REQUIRED (CFM) Vbz	O.A/E.A. DESIGN (CFM)	REMARKS
FCU-3	CORRIDOR 180	Corridors	0	- (575 SF)	- CFM/PERSON 0.06 CFM/SF	0.8	43	45	1
	SECURITY OFFICE 181	Office spaces	5	2 (280 SF)	5 CFM/PERSON 0.06 CFM/SF	0.8	34	35	1
	STORAGE	Storage rooms	0	- (30 SF)	- CFM/PERSON 0.12 CFM/SF	0.8	5	5	1
	CALCULATED OUTSIDE/MAKEUP AIR FOR SYSTEM TOTAL						81	85	
(E) ERU-1	CLASSROOM C1	Classrooms (ages 9 plus)	35	28 (795 SF)	10 CFM/PERSON 0.12 CFM/SF	0.8	469	470	3
	SGI C2	Classrooms (ages 9 plus)	35	2 (345 SF)	10 CFM/PERSON 0.12 CFM/SF	0.8	77	80	3
	CORRIDOR C5 & (E)CORRIDOR	Corridors	0	- (435 SF)	- CFM/PERSON 0.06 CFM/SF	0.8	33	35	3
	SGI C3	Classrooms (ages 9 plus)	35	2 (345 SF)	10 CFM/PERSON 0.12 CFM/SF	0.8	77	80	3
	CLASSROOM C4	Classrooms (ages 9 plus)	35	2 (915 SF)	10 CFM/PERSON 0.12 CFM/SF	0.8	162	165	3
	CALCULATED OUTSIDE/MAKEUP AIR FOR SYSTEM TOTAL						818	830	

REMARKS:

1. OUTSIDE AIR TO BE PROVIDED VIA ABOVE CLG. FAN COIL UNIT
2. OUTSIDE AIR TO BE PROVIDED VIA OPENING DOOR(S) AND NOT INCLUDED IN THE O.A./E.A. DESIGN (CFM)TOTAL.
3. OUTSIDE AIR TO BE PROVIDED VIA (E) ERU - VAV BOX
4. OUTSIDE AIR TO BE PROVIDED VIA ERV.

PLEASE SEE DRAWING M-ALT FOR THE VENTILATION TABLE THAT APPLIES TO THE ALTERNATIVE #1 & #2 DESIGNS.

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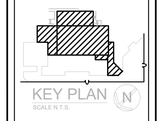

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LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
MECHANICAL BASE-BID VENTILATION TABLES

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
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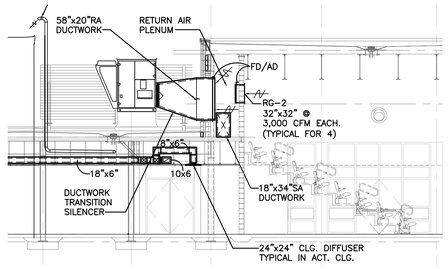
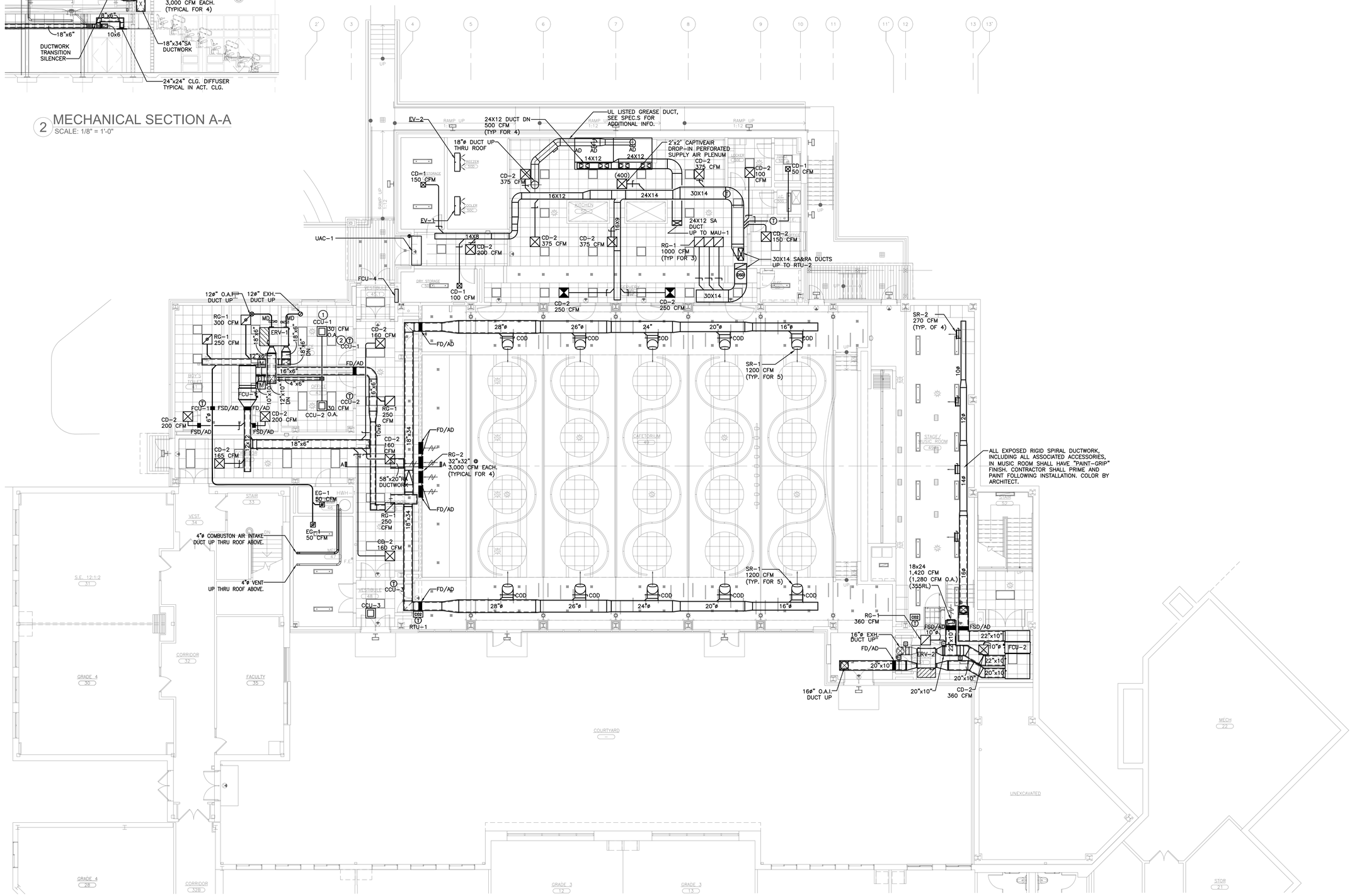


2 MECHANICAL SECTION A-A
SCALE: 1/8" = 1'-0"



1 MECHANICAL PLAN - GROUND FLOOR
SCALE: 1/8" = 1'-0"

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LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION INTERIOR
RENOVATIONS & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
GROUND FLOOR
MECHANICAL DUCTWORK PLAN

12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE 30"x42"
SCALE AS NOTED
DRAWN BY LFG
DRAWING NO. CVS M100.1
FILE NO. 23505.02

PLOT DATE: December 02, 2024 - 5:53pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 - Cafetorium\ACAD\Mechanical\CVS PKG2_M-100.dwg

MECHANICAL NEW PIPING WORK NOTES:

1. THE MECHANICAL CONTRACTOR SHALL CONFIRM NEW REFRIGERANT PIPING LENGTHS ARE WITHIN THE MANUFACTURER'S RECOMMENDATIONS, THEN ROUTE ALL REFRIGERANT (I.E. SUCTION, LIQUID, HOT-GAS, ETC.) LINES IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS. INSULATE ALL PIPING. REFER TO SPECS FOR ADDITIONAL INFO.
2. PITCH CD 1" PER 10 FEET IN DIRECTION OF FLOW. SIZE AS FOLLOWS: 3/4" UP TO 2 TONS. WHERE PITCH IS LESS THAN ABOVE, INCREASE THE ABOVE VALUES ONE PIPE SIZE. PROVIDE INSULATION WITH VAPOR BARRIER. REFER TO SPECS. FOR ADDITIONAL INFORMATION.
3. RUN THE CONDENSATE DOWN TO NEAREST MOP OR LAV SINK PIPING AS INDIRECT SANITARY CONNECTION (REFER TO PLUMBING PLAN FOR DEVICE). RUN PIPING RISER CONCEALED AND SECURE TO THE WALL. INSULATE PIPING CONSISTENT WITH PIPING CONVEYING FLUIDS THAT ARE BELOW AMBIENT TEMPERATURE. PROVIDE WITH A CONTINUOUS VAPOR BARRIER, REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. TERMINATE DRAIN OVER THE DEVICE AND MAINTAIN A MINIMUM 1" AIR GAP PER CODE.
4. REFRIGERATION PIPING JOINTS/HEADER LOCATED IN CEILING CAVITY; HP-1 UNIT TO BE CONNECTED TO EACH CCU/FCU/WH UNIT VIA PIPING JOINT, PER MANUFACTURER'S RECOMMENDATIONS. FINAL LOCATION OF HP-1 UNIT TO BE DETERMINED IN COORDINATION WITH MANUFACTURER'S PIPE LENGTH LIMITATIONS AS WELL AS THE CLIENT'S PREFERENCE'S. SEE PIPING RISER ON M-202.00 FOR ADDITIONAL INFO.
5. REFRIGERATION PIPING JOINTS/HEADER LOCATED IN CEILING CAVITY; HP-2 UNIT TO BE CONNECTED TO EACH FCU/WH UNIT VIA PIPING JOINT, PER MANUFACTURER'S RECOMMENDATIONS. FINAL LOCATION OF HP-2 UNIT TO BE DETERMINED IN COORDINATION WITH MANUFACTURER'S PIPE LENGTH LIMITATIONS AS WELL AS THE CLIENT'S PREFERENCE'S. SEE PIPING RISER ON M-202.00 FOR ADDITIONAL INFO.
6. REFRIGERATION PIPING SHALL BE ROUTED THROUGH THE ROOF AS NEEDED FOR PROPER CONNECTION TO CCU/FCU/WH UNIT.
7. AREA WELL REQUIRED FOR LOUVER INSTALLATION, SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

1 DX PIPING (⅛" SUCT., ½" LIQUID)
DX PIPING UP THRU ROOF. PROVIDE NEW SIGRIST PIPE CHASE HOUSING FOR LINE/LOW VOLTAGE AND DX PIPING, SEE PIPING PORTAL DETAIL ON DRAWINGS M-202
EV-2 EVAPORATOR
EV-1 EVAPORATOR
CONDENSATE INDIRECT CONNECTION TO FLOOR DRAIN
DX PIPING (⅜" SUCT. ⅝" LIQUID)
FCU-4
1 4 DX PIPING (⅜" SUCT., ½" LIQUID) CONDENSATE DRAIN PIPING 1½"ø 2
DX PIPING (⅜" SUCT., ½" LIQUID)
DX PIPING UP THRU ROOF. PROVIDE NEW SIGRIST PIPE CHASE HOUSING FOR LINE/LOW VOLTAGE AND DX PIPING, SEE PIPING PORTAL DETAIL ON DRAWINGS M-202
CCU-1
BRANCH BOX (TRANE MODEL: TCMBG0104SJ11N4)
4 1 2 DX PIPING (⅜" SUCT., ⅝" LIQUID) CONDENSATE DRAIN PIPING (1½"ø)
6 DX PIPING UP TO HP-1 (⅜" SUCT., ⅝" LIQUID) 1 4
6 DX PIPING UP TO HP-2 (⅜" SUCT., ⅝" LIQUID) 1 5
DX PIPING (⅜" SUCT., ½" LIQUID) 1 4
FCU-1
CCU-2
CONDENSATE DRAIN PIPING 1½"ø 2
SEE DRAWING M1-ALT FOR ADDITIONAL INFO.
ALT
SEE DRAWING M1-ALT FOR ADDITIONAL INFO.
CONDENSATE PIPING TO NEAREST SANITARY LINE VIA INDIRECT CONNECTION.
BRANCH BOX (TRANE TCMBG0104SJ11N4)
CCU-3
DX PIPING TO HP-2 (⅜" SUCT., ⅝" LIQUID)
1 4 DX PIPING (⅜" SUCT., ½" LIQUID)
DX PIPING UP TO CCU-4 (⅜" SUCT., ½" LIQUID) 1 5
DX PIPING UP TO FCU-3 (⅜" SUCT., ⅝" LIQUID) 1 5
CONDENSATE DRAIN PIPING UP (1½"ø)
FCU-2 W/ CONDENSATE PUMP
DX PIPING (⅜" SUCT., ⅝" LIQUID) CONDENSATE DRAIN PIPING (1½"ø) 1 2 5
ALT. ROUTE FOR FCU-2 CONDENSATE DRAIN PIPING (1½"ø) SEE M-ALT DWG.S FOR ADDITIONAL INFO.
ALT
DX PIPING UP TO ALT. FCU-5 & FCU-6 (⅜" SUCT., ⅝" LIQUID) SEE M-ALT DWG.S FOR ADDITIONAL INFO. 1 5

1 MECHANICAL PIPING PLAN - GROUND FLOOR
SCALE: 1/8" = 1'-0"

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(203) 866-6919 Fax

LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER: 48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION & INTERIOR RENOVATIONS AS PART OF PACKAGE 2
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
GROUND FLOOR MECHANICAL PIPING PLAN

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42" | DRAWING NO. CVS M100.2
SCALE AS NOTED | DRAWN BY LFG | FILE NO. 23505.02

PLOT DATE: December 02, 2024 - 5:53pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 - Cafetorium\ACAD\Mechanical\CVS PKG2_M-100.dwg

MECHANICAL NEW PIPING WORK NOTES:

1. THE MECHANICAL CONTRACTOR SHALL CONFIRM NEW REFRIGERANT PIPING LENGTHS ARE WITHIN THE MANUFACTURER'S RECOMMENDATIONS, THEN ROUTE ALL REFRIGERANT (I.E. SUCTION, LIQUID, HOT-GAS, ETC.) LINES IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS. INSULATE ALL PIPING. REFER TO SPECS FOR ADDITIONAL INFO.
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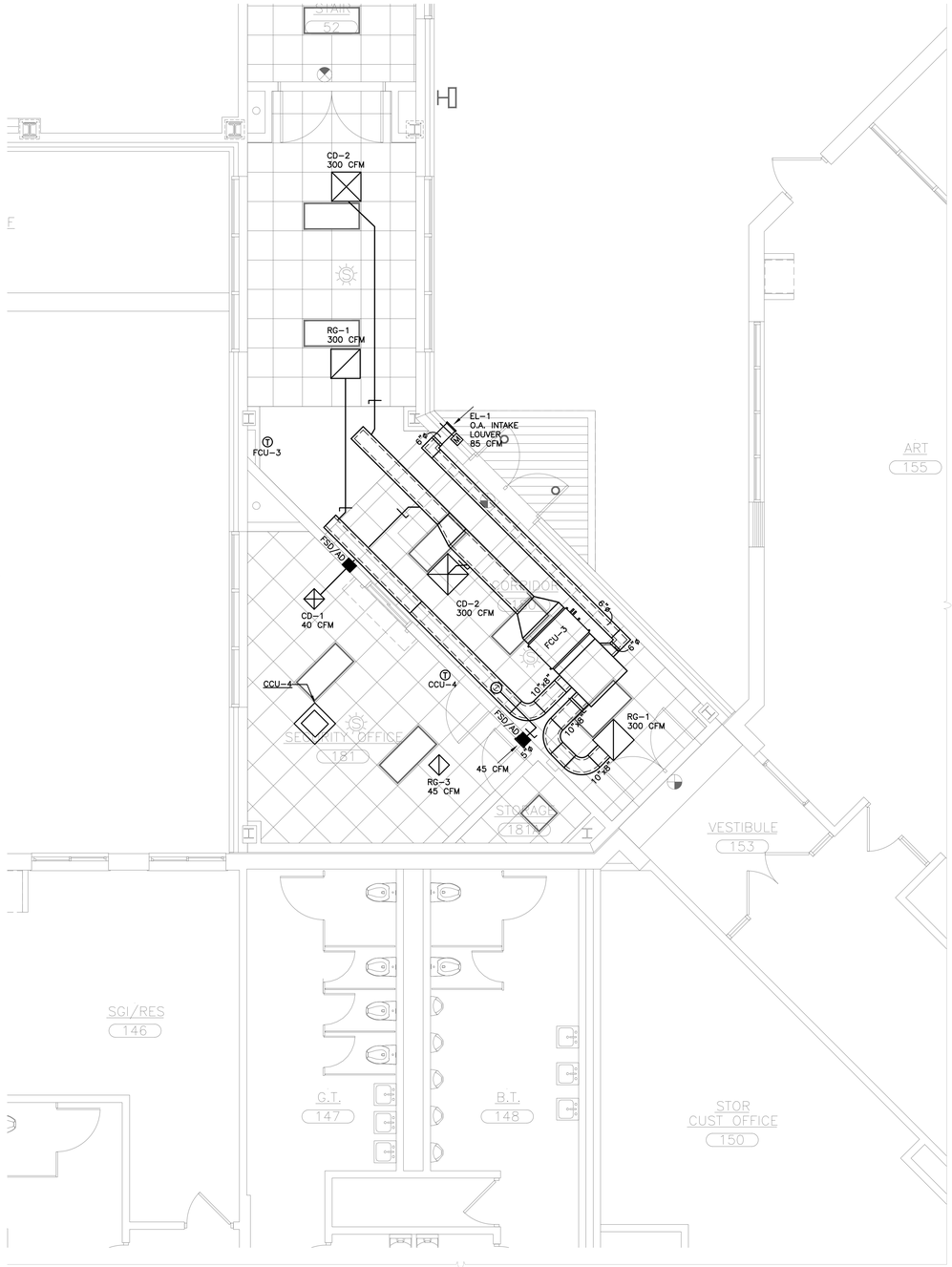
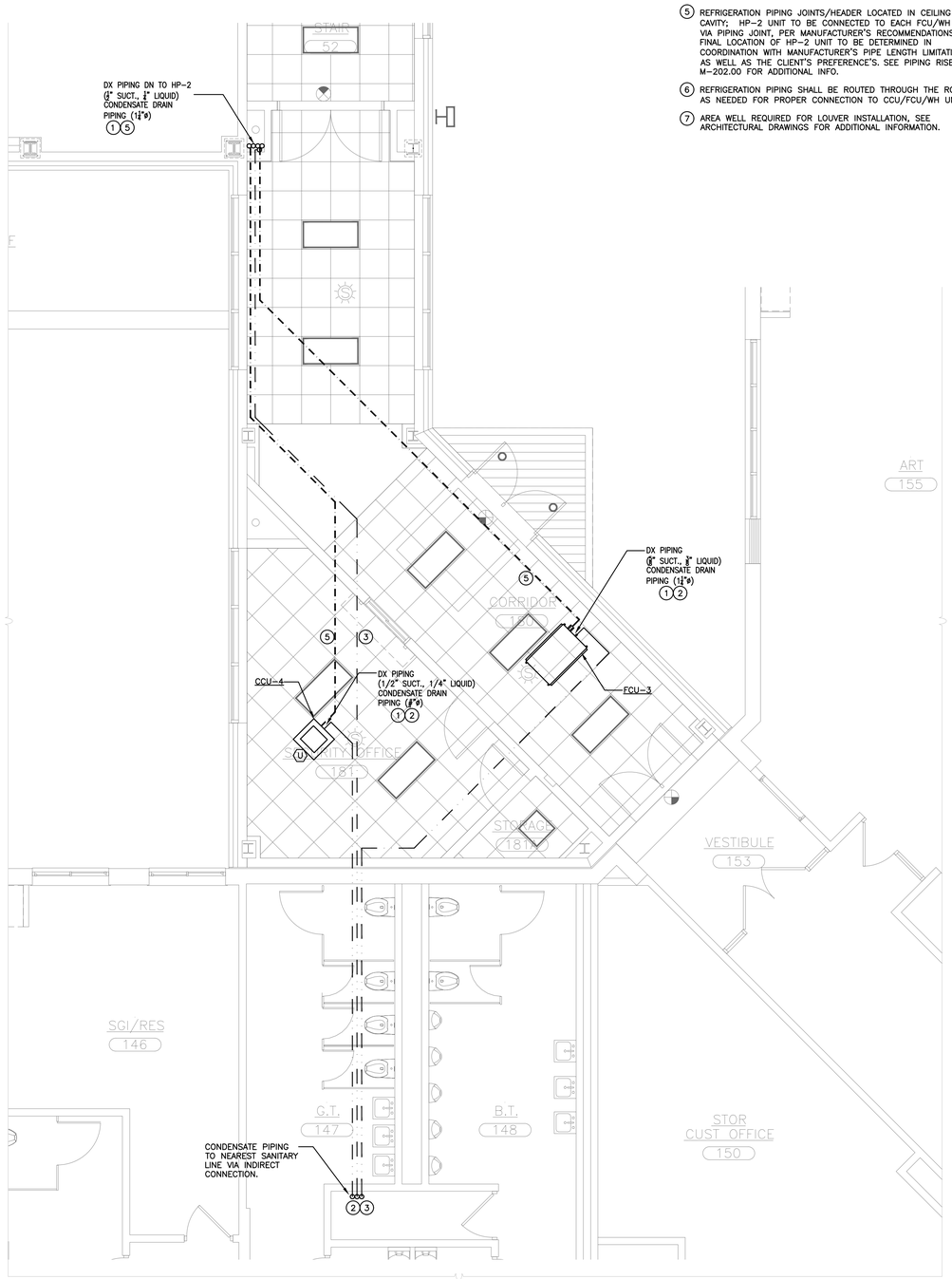


1 PARTIAL FIRST FLOOR MECHANICAL REFLECTED CEILING DUCTWORK PLAN
SCALE: 1/4" = 1'-0"



2 PARTIAL FIRST FLOOR NEW MECHANICAL REFLECTED CEILING PIPING PLAN
SCALE: 1/4" = 1'-0"

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AREA OF WORK

KEY PLAN N

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LICENSE EXP. DATE: 03-31-2026

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BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION & INTERIOR RENOVATIONS & SITE IMPROVEMENTS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
FIRST FLOOR
MECHANICAL DEMO & NEW REFLECTED CEILING PLANS

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS M101.1
SCALE AS NOTED
DRAWN BY LFG
FILE NO. 23505.02

PLOT DATE: December 02, 2024 - 5:53pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 - Cafetorium\ACAD\Mechanical\CVS PKG2_M-101_102.dwg

GENERAL MECHANICAL DEMO NOTES:

1. ALL DEMOLITION WORK TO BE COORDINATED WITH BUILDING MANAGER TO AVOID DISTURBANCES TO OTHER OCCUPANTS. ALL DEMOLITION WORK TO BE DONE DURING THE HOURS DESIGNATED.
2. MAINTAIN STABLE AND SAFE CONDITIONS AT ALL TIMES, TAKING CAUTION TO PROTECT THE EXISTING AND ADJACENT BUILDINGS, THEIR OCCUPANTS, STREET FRONT AND THE PUBLIC.
3. DEMOLISHED MATERIAL, NOT IDENTIFIED FOR SALVAGE BY THE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE COMPLETELY REMOVED FROM THE JOB SITE.
4. PROVIDE PROTECTION TO ALL EXISTING ELECTRICAL, MECHANICAL, PLUMBING, AND SPRINKLER EQUIPMENT TO REMAIN.
5. COORDINATE WITH GENERAL CONTRACTOR TO REMOVE ALL ABANDONED ELECTRICAL CABLES FROM EXISTING LOCATIONS, TRACE BACK TO THEIR SOURCE AND TAG.
6. ALL LIFE SAFETY EQUIPMENT AND ASSOCIATED CONDUIT AND WIRING SHALL BE PROTECTED FROM ANY PHYSICAL DAMAGE DURING DEMOLITION AND/OR CONSTRUCTION.
7. THE SCOPE OF THE DEMOLITION WORK HAS GENERALLY BEEN INDICATED ON THE DRAWING FOR CONTRACTORS INFORMATION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE FULL SCOPE, EXTENT, NATURE AND MANNER OF DEMOLITION REQUIRED.
8. ONLY WORKMEN SKILLED AND KNOWLEDGEABLE IN THEIR RESPECTIVE TRADES SHALL BE ENGAGED IN THE DEMOLITION OF ANY WORK.
9. CONTRACTORS SHALL TAKE SPECIAL CARE TO DEMOLISH ONLY THAT WORK WHICH IS REQUIRED TO BE DEMOLISHED AND NOT TO DISTURB ANY WORK WHICH IS TO REMAIN. IF IN THE COURSE OF DEMOLITION, CONTRACTOR DESTROYS OR DISTURBS ANY WORK WHICH IS TO REMAIN, THEN HE SHALL AT HIS OWN EXPENSE, REPAIR OR REPLACE SUCH WORK AS NECESSARY.
10. REMOVE AND DISCARD ALL DEMOLISHED ITEMS IN A MANNER FULLY APPROVED BY THE CITY OF NEW YORK AND ANY OTHER GOVERNMENT AGENCY.
11. DO NOT SCALE DRAWINGS.
12. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND JOB CONDITIONS PRIOR TO SUBMITTING BIDS AND SHALL REPORT TO THE OWNER'S REPRESENTATIVE ANY DISCREPANCIES OR OMISSIONS WHICH WOULD INTERFERE WITH SATISFACTORY COMPLETION OF WORK. ALL BUILDING DEPARTMENT PERMITS SHALL BE OBTAINED PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION WORK.
13. CONTRACTOR SHALL NOTE THAT DEMOLITION OF EXISTING HEAT EXCHANGERS AND HOT WATER CIRCULATION PUMPS WILL INTERRUPT OPERATION OF THE HEATING SYSTEM. AT NO TIME SHALL BUILDING BE LEFT WITHOUT HEAT WHEN OUTDOOR TEMPERATURES ARE 50°F OR BELOW. IN SUCH AN EVENT, CONTRACTOR SHALL FURNISH TEMPORARY HEAT AT HIS EXPENSE.

MECHANICAL DEMO KEY NOTES:

(1) DISCONNECT AND REMOVE EXISTING WALL MOUNTED THERMOSTATS.

(2) DISCONNECT, REMOVE, ALL SUPPLY AND RETURN AIR DUCTWORK, UNLESS OTHERWISE NOTED. EXISTING SUPPLY AND RETURN AIR DUCTWORK RISERS SHALL BE PRESERVED FOR FOR PROPER INSTALLATION AND CONNECTION TO NEW VAV–BOX SYSTEMS.

MECHANICAL NEW WORK KEY NOTES

(A) MOUNT CLG. VAV BOX (VAV) IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF THE ASSOCIATED CONTROLLER AND VERIFICATION THAT THE UNIT IS FUNCTIONING AS INTENDED.

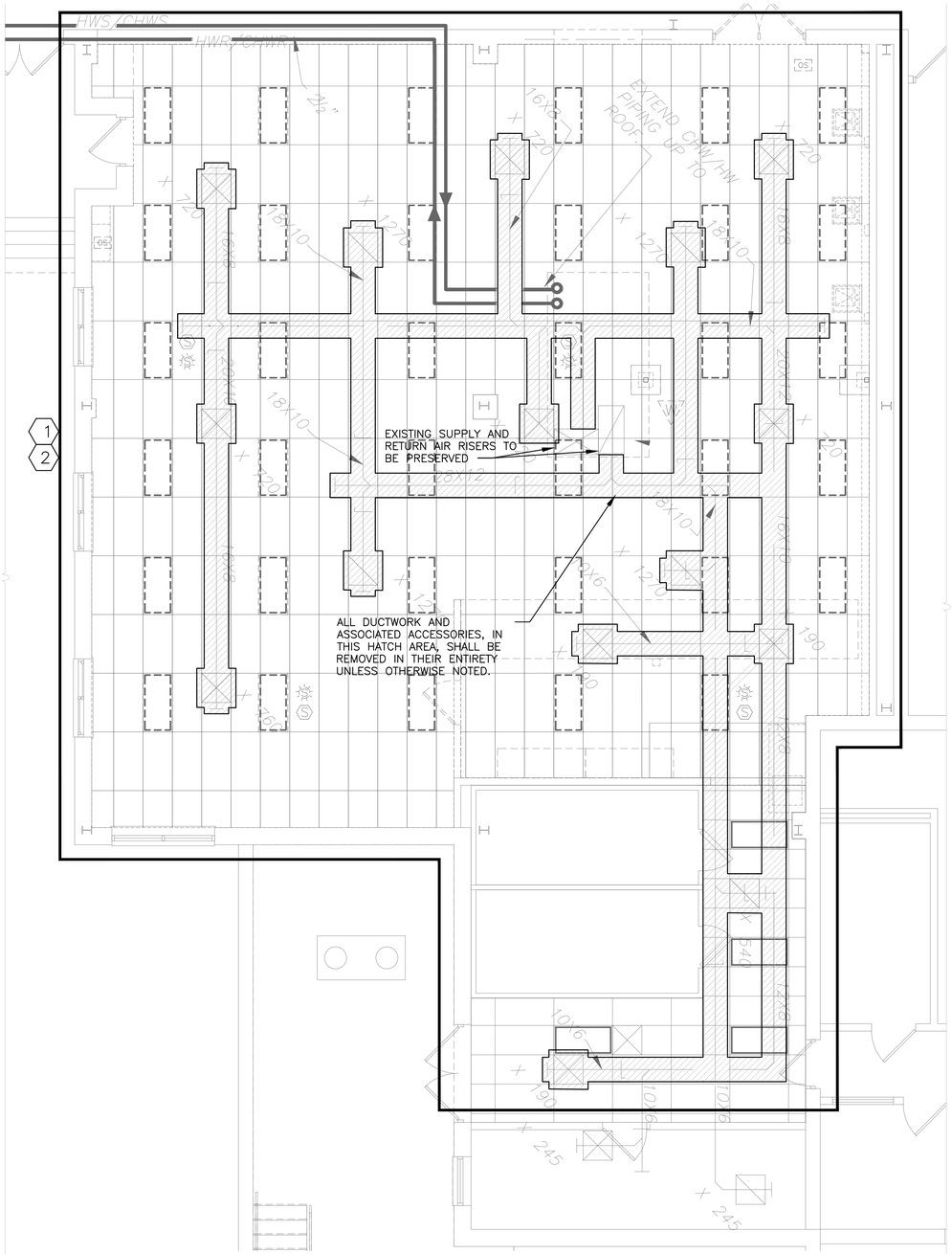
(B) PROVIDE AIRTIGHT DUCT ACCESS DOOR IMMEDIATELY DOWNSTREAM OF COIL FOR CLEANING AND INSPECTION.

(C) PROVIDE VAV–BOX WITH 3'–0" DUCTWORK SILENCER.

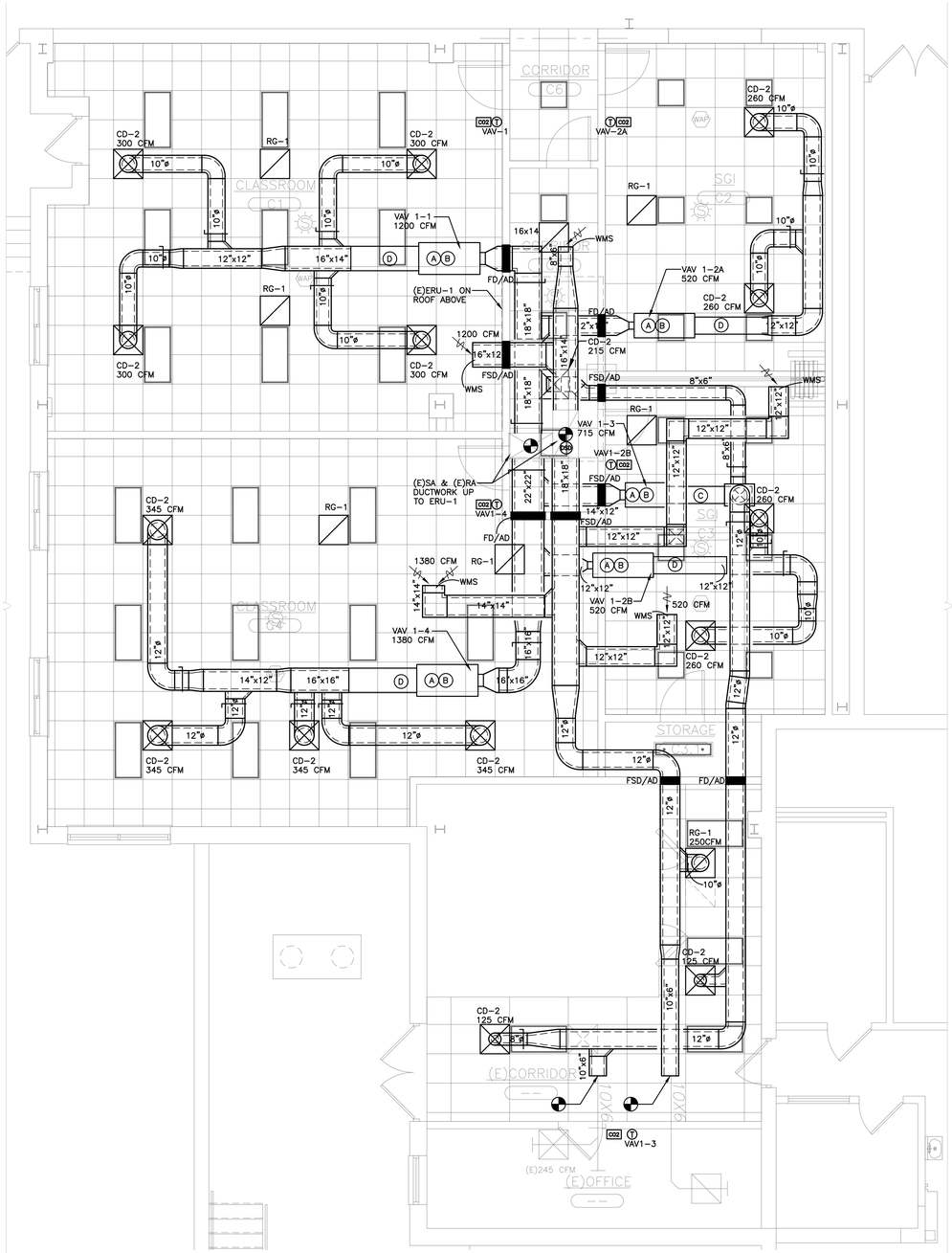
(D) PROVIDE VAV–BOX WITH 5'–0" DUCTWORK SILENCER.

GENERAL MECHANICAL - VAV NOTES:

1. ALL VAV BOXES TO BE EQUIPPED WITH HOT WATER REHEAT COILS.
2. ALL DUCTWORK WITHIN 15FT OF FANS SHALL BE ACOUSTICALLY LINED. UPSIZE DUCTWORK TO COMPENSATE FOR LINER THICKNESS.



1 PARTIAL FIRST FLOOR MECHANICAL REFLECTED CEILING DEMO PLAN
SCALE: 1/4" = 1'-0"



2 PARTIAL FIRST FLOOR NEW MECHANICAL REFLECTED CEILING DUCTWORK PLAN
SCALE: 1/4" = 1'-0"

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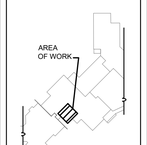

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DRAWING TITLE
FIRST FLOOR MECHANICAL DEMO & NEW REFLECTED CEILING DUCTWORK PLANS

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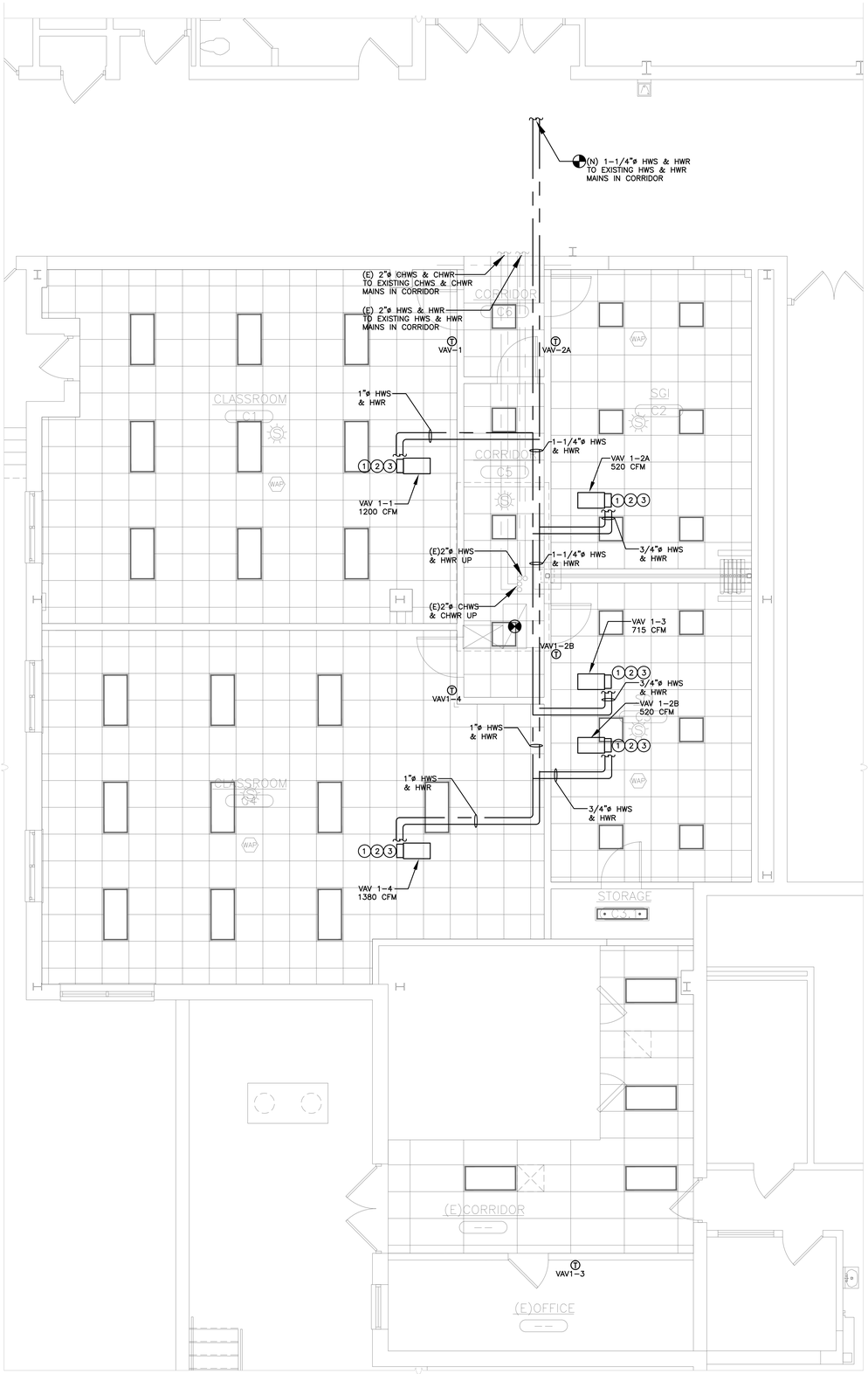
SHEET SIZE: 30"x42"
DRAWING NO.: CVS M102.1
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO.: 23505.02

PLOT DATE: December 02, 2024 - 5:53pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 – Cafetorium\ACAD\Mechanical\CVS PKG2_M-101_102.dwg

MECHANICAL (VAV) HOTWATER PIPING NOTES:

1. THE MECHANICAL CONTRACTOR SHALL CONFIRM NEW REHEAT OR PREHEAT COIL PIPING LENGTHS ARE WITHIN THE MANUFACTURER'S RECOMMENDATIONS, THEN ROUTE ALL HOT WATER (I.E. SUPPLY AND RETURN) LINES IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS. INSULATE ALL PIPING. REFER TO SPECS FOR ADDITIONAL INFO.
2. ALL COILS SHALL BE EQUIPPED WITH BALL TYPE ISOLATION VALVES, AUTOMATIC BALANCE VALVES AND 2-WAY MOTORIZED CONTROL VALVES. REFER TO HEATING COIL DETAIL FOR ADDITIONAL INFORMATION.
3. PROVIDE AIRTIGHT DUCT ACCESS DOOR IMMEDIATELY DOWNSTREAM OF COIL FOR CLEANING AND INSPECTION.



1 PARTIAL FIRST FLOOR NEW MECHANICAL REFLECTED CEILING PIPING PLAN
SCALE: 1/4" = 1'-0"

0 2' 4' 8' 16'

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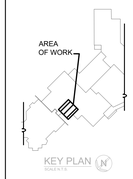

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CAFETORIUM ADDITION & INTERIOR RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
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MECHANICAL NEW
REFLECTED CEILING
PIPING PLAN

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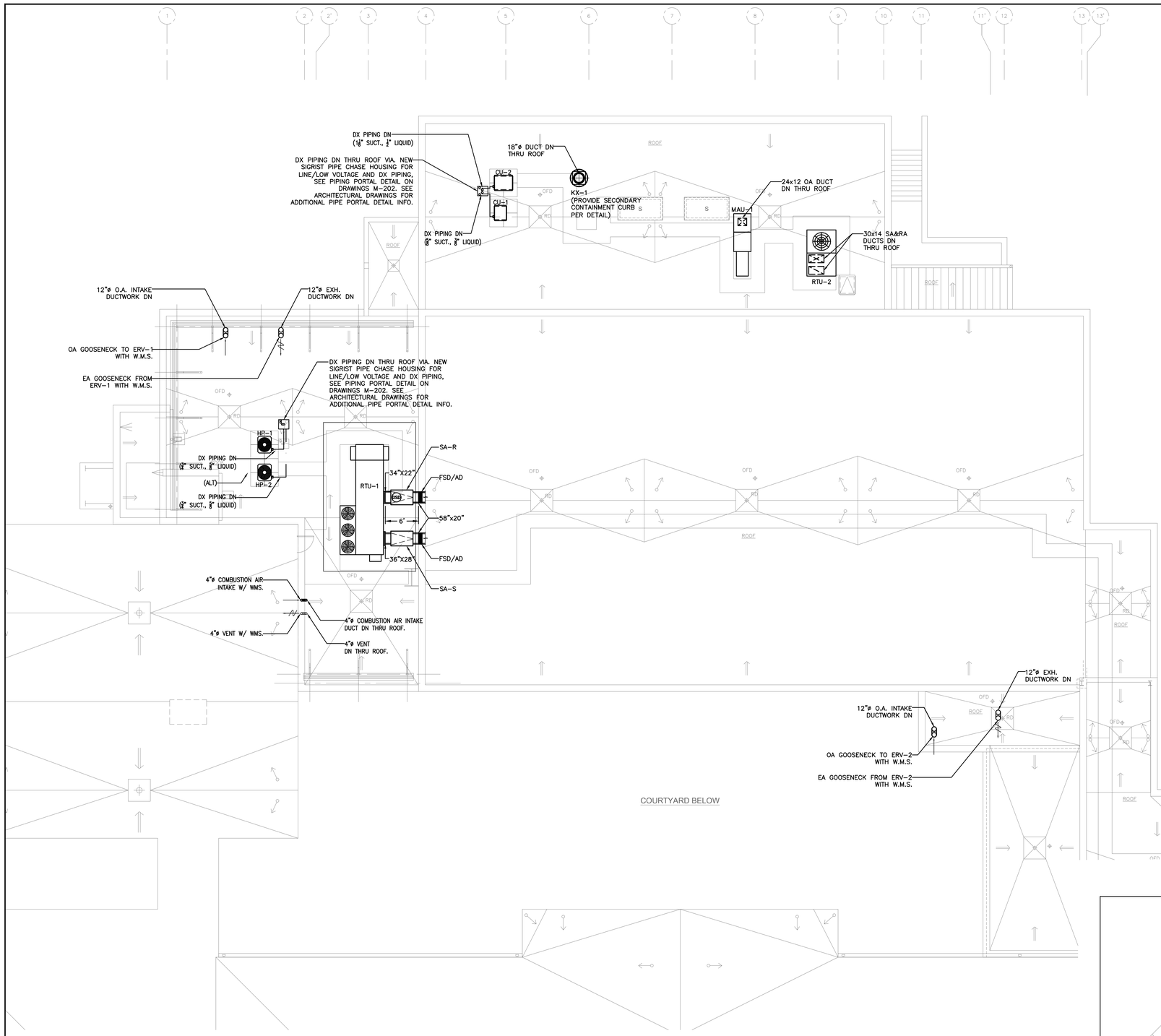
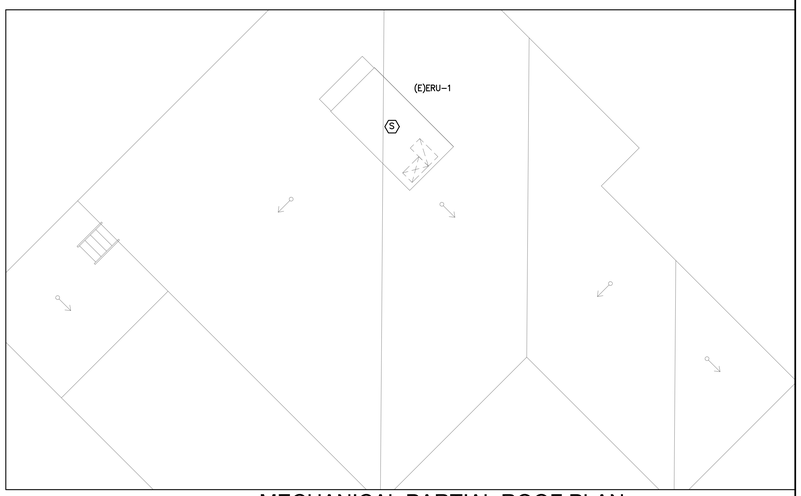
MECHANICAL GENERAL ROOF NOTES:

1. REFER TO WRITTEN (BOOK) SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. MAINTAIN MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES TO ALL EQUIPMENT ON ROOF. DO NOT OBSTRUCT CLEARANCE WITH DUCTWORK OR OTHER OBJECTS.
3. ROOF PENETRATIONS FOR GAS PIPING, ELECTRICAL POWER AND CONTROL WIRING SHALL BE MADE USING 'SIGRIST PIPE CHASE HOUSINGS' AS MANUFACTURED BY ALTA PRODUCTS. PROVIDE SUBMITTAL FOR ENGINEERING REVIEW WITH HOUSING CONFIGURED FOR EACH INDIVIDUAL ROOF PENETRATION.
4. RTU 1 & 2 SHALL BE EQUIPPED WITH R/A DUCT MTD. SMOKE DETECTORS. REFER TO SEQUENCE OF OPERATION SECTION 230993.
5. RTU-1 SHALL BE EQUIPPED WITH FACTORY VFDs, ECONOMIZERS AND CONTROLS FOR DEMAND CONTROL VENTILATION.
6. ROOF EQUIPMENT SHALL BE SET NO CLOSER THAN 10' TO THE ROOF EDGE.



1 MECHANICAL ROOF PLAN
SCALE: 1/8" = 1'-0"



2 MECHANICAL PARTIAL ROOF PLAN
SCALE: 1/8" = 1'-0"

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KEY PLAN
SCALE: N

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LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
ROOF MECHANICAL PLANS

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS M103
SCALE AS NOTED
DRAWN BY LFG
FILE NO. 23505.02

PLOT DATE: December 02, 2024 - 5:53pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 - Cafetorium\ACAD\Mechanical\CVS PKG2_M-103.dwg

VENTILATION AIR REQUIREMENTS

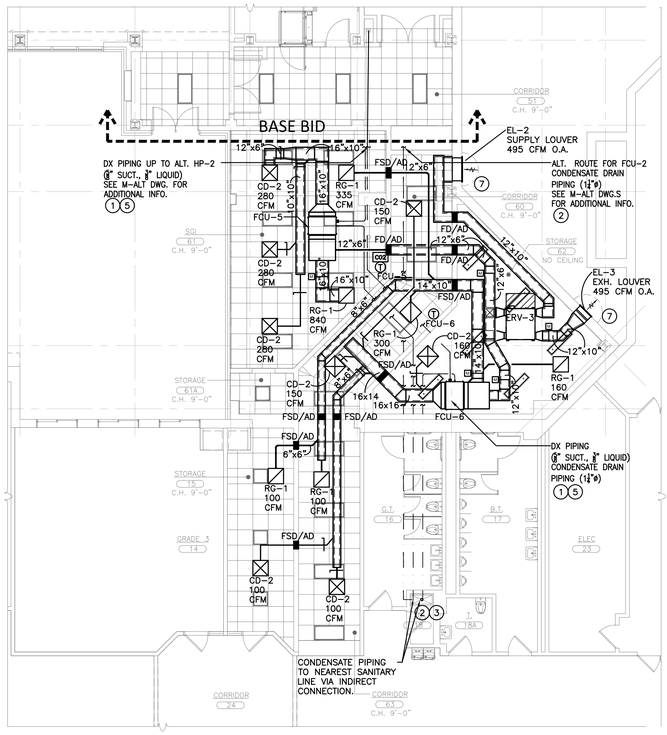
Project:	C.V. STARR INTERMEDIATE SCHOOL			State:	New York	Relevant Code:	IMC 2015		
HVAC ZONE	AREA SERVED	OCCUPANCY CLASSIFICATION	OCCUPANT DENSITY (#/1000 SQFT)	OCCUPANT LOAD Pz (Az)	REQUIRED VENTILATION Rp / Ra	ZONE AIR DIST. EFFECTIVENESS (Ez)	O.A/E.A. REQUIRED (CFM) Vbz	O.A/E.A. DESIGN (CFM)	REMARKS
GROUND FLOOR									
(ALT.#2)	ELEVATOR SHAFT	Elevator car	0	- (45 SF)	1 CFM EXHAUST AIR	0.8	60	60	2, 4
(ALT.#2)	VESTIBULE 70	Corridors	0	- (105 SF)	- CFM/PERSON 0.06 CFM/SF	0.8	8	10	2
	CALCULATED OUTSIDE/MAKEUP AIR FOR SYSTEM TOTAL						68	70	
(ALT.#1) ERV-3 FCU-5	SGI	Classrooms (ages 9 plus)	35	20 (560 SF)	10 CFM/PERSON 0.12 CFM/SF	0.8	334	335	1
(ALT.#1) ERV-3 FCU-6	STORAGE 61A	Storage rooms	0	- (45 SF)	- CFM/PERSON 0.12 CFM/SF	0.8	7	10	1
(ALT.#1) ERV-3 FCU-6	CORRIDOR 60	Corridors	0	- (315 SF)	- CFM/PERSON 0.06 CFM/SF	0.8	24	25	1
(ALT.#1) ERV-3 FCU-6	STORAGE 62	Storage rooms	0	- (420 SF)	- CFM/PERSON 0.12 CFM/SF	0.8	63	65	1
(ALT.#1) ERV-3 FCU-6	STORAGE 15	Storage rooms	0	- (235 SF)	- CFM/PERSON 0.12 CFM/SF	0.8	35	40	1
(ALT.#1) ERV-3 FCU-6	CORRIDOR 63	Corridors	0	- (245 SF)	- CFM/PERSON 0.06 CFM/SF	0.8	18	20	1
	CALCULATED OUTSIDE/MAKEUP AIR FOR SYSTEM TOTAL						147	495	
FIRST FLOOR									
(ALT.#2)	VESTIBULE 182	Corridors	0	- (155 SF)	- CFM/PERSON 0.06 CFM/SF	0.8	12	15	3
	CALCULATED OUTSIDE/MAKEUP AIR FOR SYSTEM TOTAL						12	15	

REMARKS:

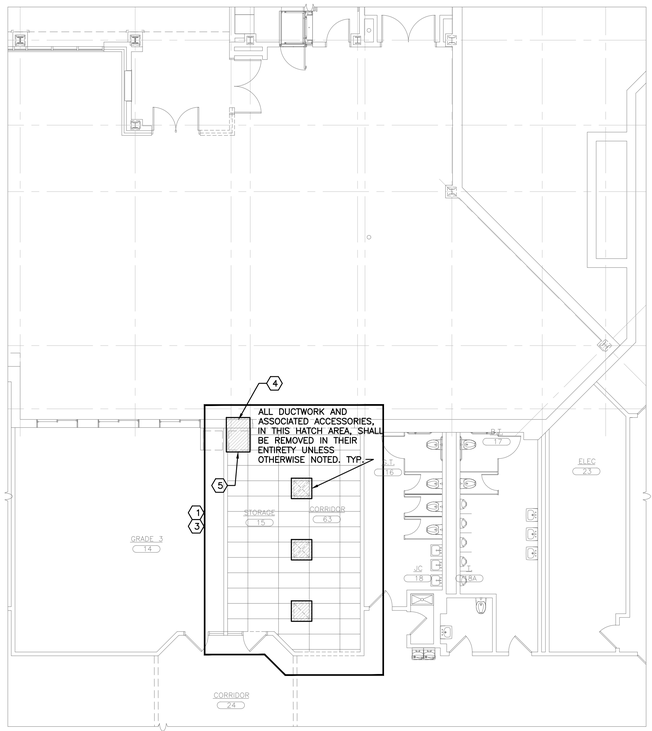
1. OUTSIDE AIR TO BE PROVIDED VIA ENERGY RECOVERY VENTILATOR EQUIPMENT.
2. OUTSIDE AIR TO BE PROVIDED VIA OPENING DOOR(S).
3. OUTSIDE AIR TO BE PROVIDED VIA (E) RTU.
4. OUTSIDE AIR TO BE PROVIDED VIA DEDICATED EXHAUST FAN AT TOP OF HOISTWAY.

MECHANICAL DEMO KEY NOTES:

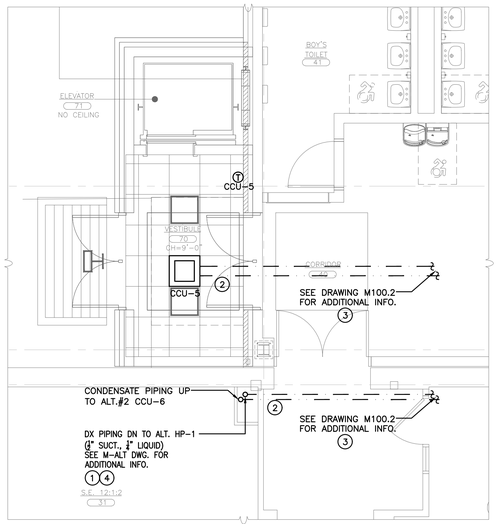
1. DISCONNECT AND REMOVE EXISTING WALL MOUNTED THERMOSTATS.
2. DISCONNECT, REMOVE, ALL SUPPLY AND RETURN AIR DUCTWORK, UNLESS OTHERWISE NOTED. EXISTING SUPPLY AND RETURN AIR DUCTWORK RISERS SHALL BE PRESERVED FOR FOR PROPER INSTALLATION AND CONNECTION TO NEW VAV-BOX SYSTEMS.
3. DISCONNECT, REMOVE, ALL SUPPLY AND RETURN AIR DUCTWORK AND ASSOCIATED EQUIPMENT, UNLESS OTHERWISE NOTED. ASSOCIATED AIR HANDLER SHALL REMAIN IF IT IS PROVEN TO SERVE AREAS OUTSIDE THIS RENOVATION SCOPE OF WORK.
4. REMOVE EXISTING LOUVER AND ASSOCIATED ACCESSORIES IN THEIR ENTIRETY. PATCH AND MATCH REMAINING OPENING AS REQUIRED FOR NEW WORK, SEE ARCH. DWG.S FOR ADDITIONAL INFO.
5. REMOVE EXISTING VERTICAL UNIT VENTILATOR AND ASSOCIATED ACCESSORIES IN THEIR ENTIRETY. PATCH AND MATCH REMAINING OPENING AS REQUIRED FOR NEW WORK, SEE ARCH. DWG.S FOR ADDITIONAL INFO.



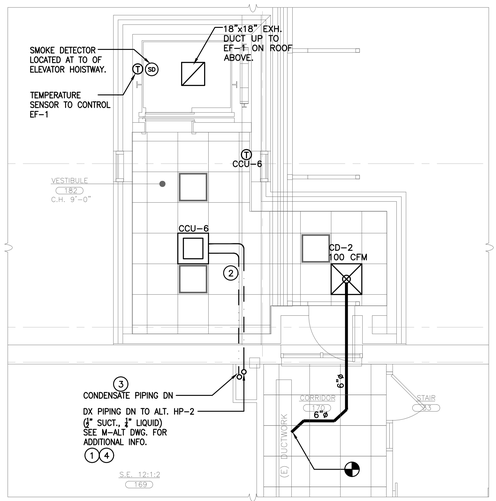
1 PARTIAL GROUND FLOOR RCP - ALT 1
SCALE: 1/8" = 1'-0"



2 PARTIAL GROUND FLOOR REMOVAL PLAN - ALT 1
SCALE: 1/8" = 1'-0"



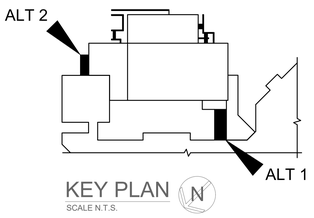
3 GROUND FLOOR RCP - ALT 2
SCALE: 1/4" = 1'-0"



4 FIRST FLOOR RCP - ALT 2
SCALE: 1/4" = 1'-0"

MECHANICAL NEW PIPING WORK NOTES:

1. THE MECHANICAL CONTRACTOR SHALL CONFIRM NEW REFRIGERANT PIPING LENGTHS ARE WITHIN THE MANUFACTURER'S RECOMMENDATIONS, THEN ROUTE ALL REFRIGERANT (I.E. SUCTION, LIQUID, HOT-GAS, ETC.) LINES IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS. INSULATE ALL PIPING. REFER TO SPECS FOR ADDITIONAL INFO.
2. PITCH CD 1" PER 10 FEET IN DIRECTION OF FLOW. SIZE AS FOLLOWS: 3/4" UP TO 2 TONS. WHERE PITCH IS LESS THAN ABOVE, INCREASE THE ABOVE VALUES ONE PIPE SIZE. PROVIDE INSULATION WITH VAPOR BARRIER. REFER TO SPECS. FOR ADDITIONAL INFORMATION.
3. RUN THE CONDENSATE DOWN TO NEAREST MOP OR LAV SINK PIPING AS INDIRECT SANITARY CONNECTION (REFER TO PLUMBING PLAN FOR DEVICE). RUN PIPING RISER CONCEALED AND SECURE TO THE WALL. INSULATE PIPING CONSISTENT WITH PIPING CONVEYING FLUIDS THAT ARE BELOW AMBIENT TEMPERATURE. PROVIDE WITH A CONTINUOUS VAPOR BARRIER, REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. TERMINATE DRAIN OVER THE DEVICE AND MAINTAIN A MINIMUM 1" AIR GAP PER CODE.
4. REFRIGERATION PIPING JOINTS/HEADER LOCATED IN CEILING CAVITY; HP-1 UNIT TO BE CONNECTED TO EACH CCU/FCU/WH UNIT VIA PIPING JOINT, PER MANUFACTURER'S RECOMMENDATIONS. FINAL LOCATION OF HP-1 UNIT TO BE DETERMINED IN COORDINATION WITH MANUFACTURER'S PIPE LENGTH LIMITATIONS AS WELL AS THE CLIENT'S PREFERENCE'S. SEE PIPING RISER ON M-202.00 FOR ADDITIONAL INFO.
5. REFRIGERATION PIPING JOINTS/HEADER LOCATED IN CEILING CAVITY; HP-2 UNIT TO BE CONNECTED TO EACH FCU/WH UNIT VIA PIPING JOINT, PER MANUFACTURER'S RECOMMENDATIONS. FINAL LOCATION OF HP-2 UNIT TO BE DETERMINED IN COORDINATION WITH MANUFACTURER'S PIPE LENGTH LIMITATIONS AS WELL AS THE CLIENT'S PREFERENCE'S. SEE PIPING RISER ON M-202.00 FOR ADDITIONAL INFO.
6. REFRIGERATION PIPING SHALL BE ROUTED THROUGH THE ROOF AS NEEDED FOR PROPER CONNECTION TO CCU/FCU/WH UNIT.
7. AREA WELL REQUIRED FOR LOUVER INSTALLATION, SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.



KEY PLAN N
SCALE N.T.S.

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KEY PLAN N
SCALE N.T.S.

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LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION INTERIOR RENOVATIONS & ATHLETIC FIELD WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

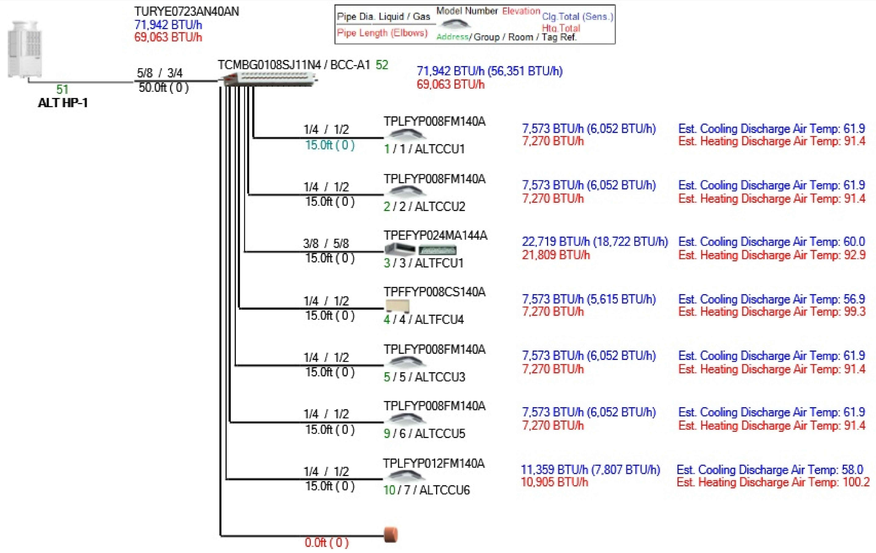
DRAWING TITLE
MECHANICAL ALTERNATE REFLECTED CEILING PLANS

12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE 30"x42"	DRAWING NO. CVS M1-ALT
SCALE AS NOTED	
DRAWN BY LFG	FILE NO. 23505.02

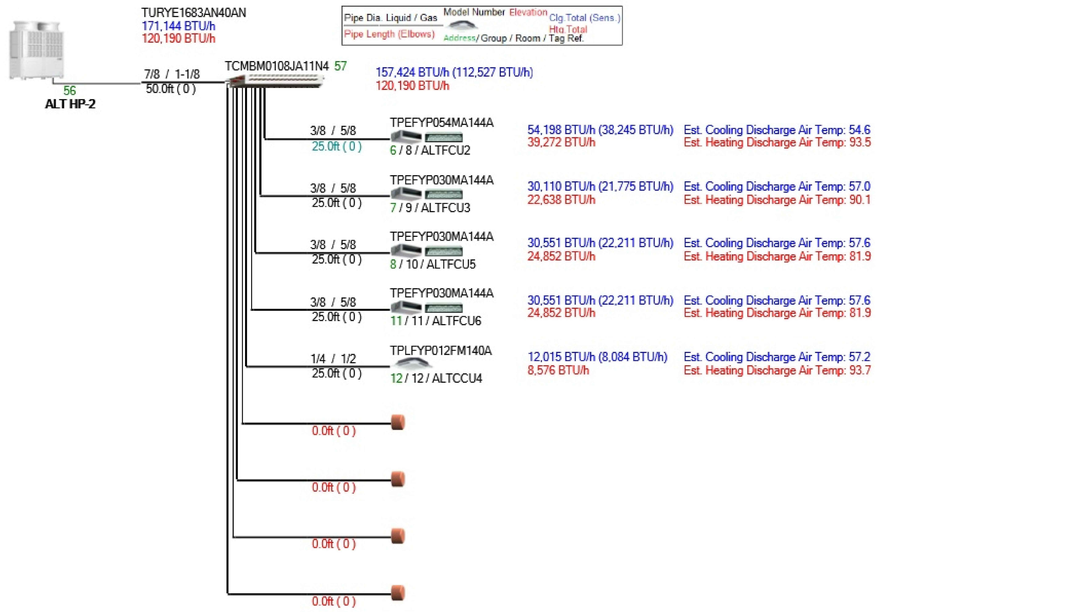
PLOT DATE: December 02, 2024 - 5:53pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 - Cafetorium\ACAD\Mechanical\CVS PKG2_M-ALT.dwg



ALT. VRF SYSTEM (HP–1) PIPING RISER DIAGRAM

NOT TO SCALE



ALT. VRF SYSTEM (HP–2) PIPING RISER DIAGRAM

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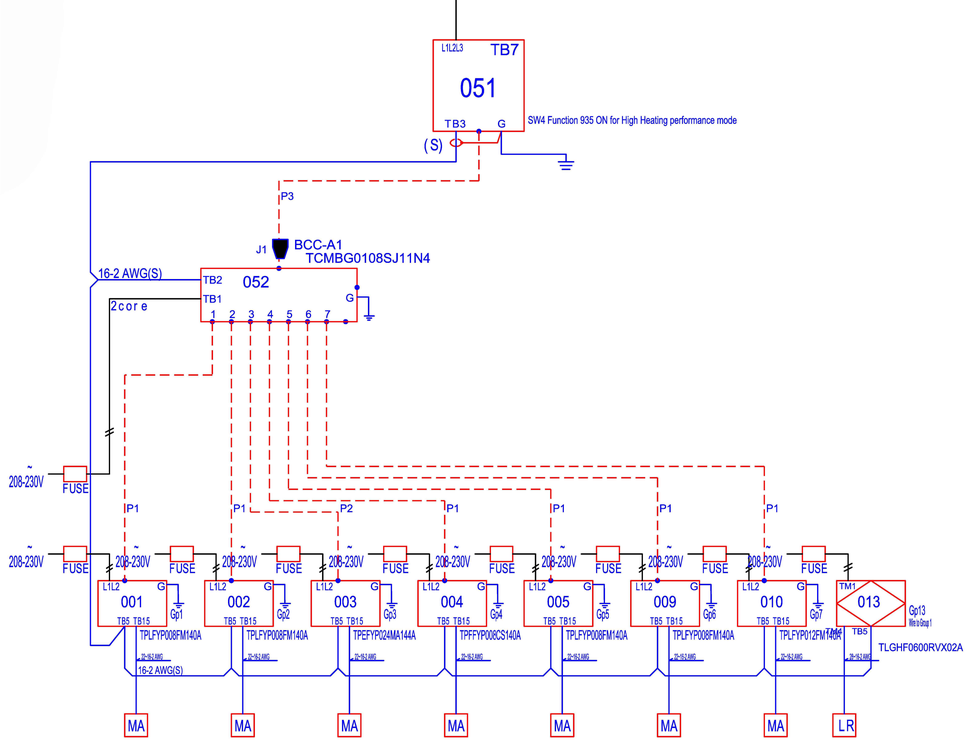
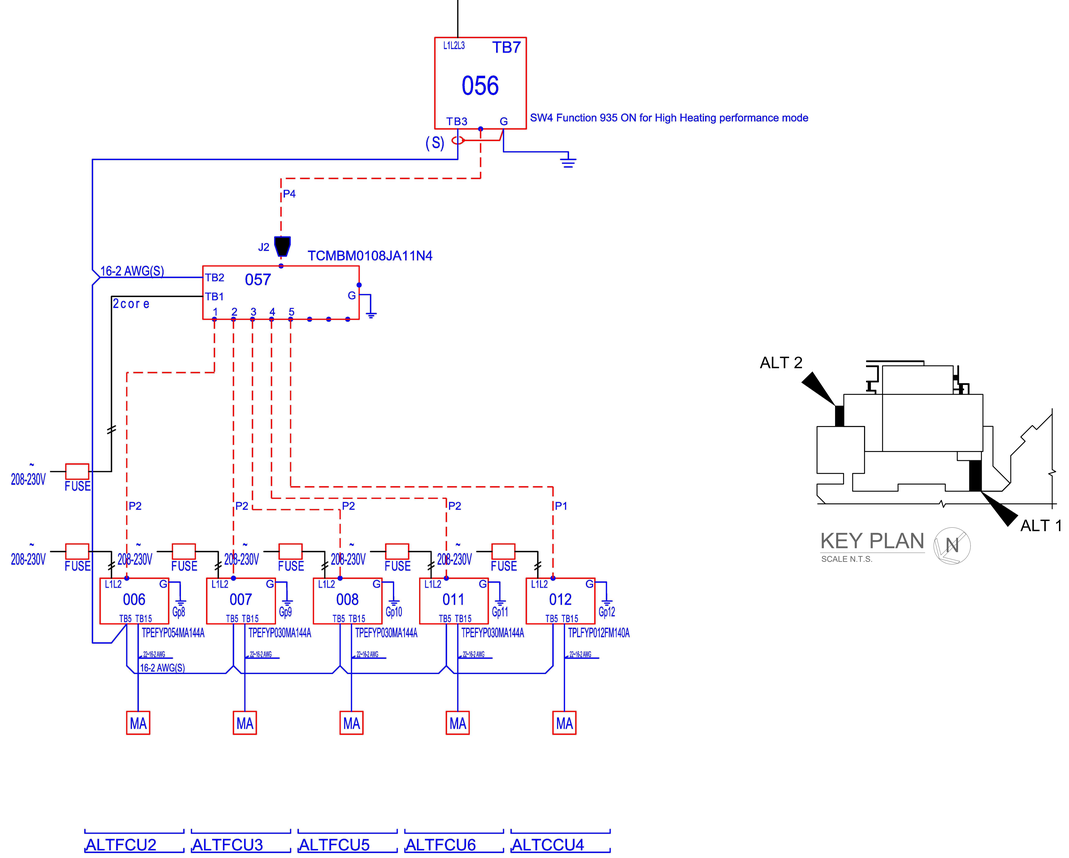


ALT. VRF SYSTEM (HP–1) WIRING DIAGRAM

NOT TO SCALE



ALT. VRF SYSTEM (HP–2) WIRING DIAGRAM

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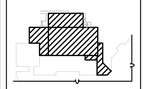

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LFG LANDMARK FACILITIES GROUP, INC.
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LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER: 48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & RELATED WORKS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
MECHANICAL ALTERNATE
REFLECTED CEILING PLANS

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

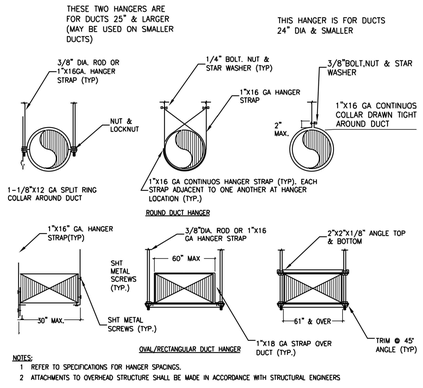
SHEET SIZE 30"x42"
DRAWING NO. CVS M2-ALT
SCALE AS NOTED
DRAWN BY LFG
FILE NO. 23505.02

PLOT DATE: December 02, 2024 - 5:53pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 – Cafetorium\ACAD\Mechanical\CVS PKG2_M-ALT.dwg

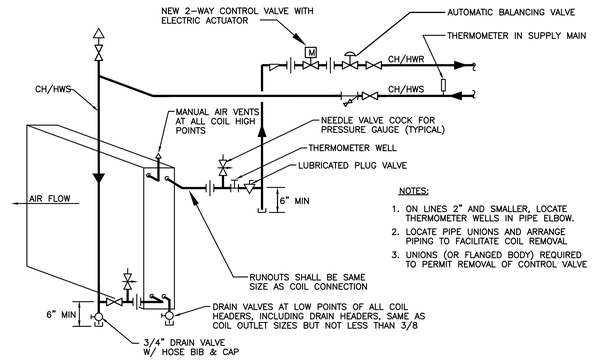
MINIMUM HANGER SIZES FOR ROUND DUCT (SMACNA)				
DIA. (IN)	MAXIMUM SPACING	WIRE DIA.	ROD	STRAP
6-10	12'	ONE 12 GA.	1/4"	1" X 22 GA.
11-18	12'	TWO 12 GA. OR ONE 8 GA.	1/4"	1" X 22 GA.
19-24	12'	TWO 10 GA.	1/4"	1" X 22 GA.

SINGLE HANGER MAX LOAD			
STRAP	WIRE OR ROD		
1" X 22 GA. - 260 LBS	(12 GA.)	0.106"	80 LBS
1" X 20 GA. - 260 LBS	(10 GA.)	0.135"	80 LBS
1" X 18 GA. - 420 LBS		0.162"	160 LBS
1" X 16 GA. - 700 LBS		1/4"	270 LBS
1-1/2" X 16 GA. - 1100 LBS		3/8"	680 LBS



NOTES:
1 REFER TO SPECIFICATIONS FOR HANGER SPACINGS.
2 ATTACHMENTS TO OVERHEAD STRUCTURE SHALL BE MADE IN ACCORDANCE WITH STRUCTURAL ENGINEERS

DUCT SUPPORT DETAIL
NO SCALE



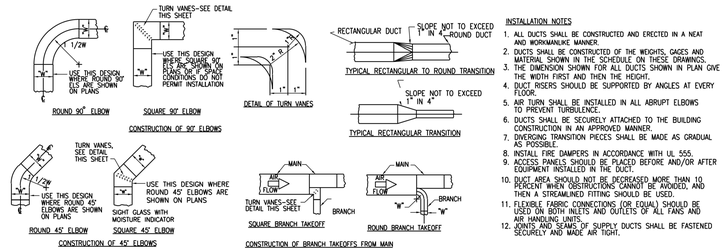
NOTES:
1. ON LINES 2" AND SMALLER, LOCATE THERMOMETER WELLS IN PIPE ELBOW.
2. LOCATE PIPE UNIONS AND ARRANGE PIPING TO FACILITATE COIL REMOVAL.
3. UNIONS (OR FLANGED BODY) REQUIRED TO PERMIT REMOVAL OF CONTROL VALVE

CHILLED/HOT WATER COIL CONNECTION DETAIL
NO SCALE

DUCT CONSTRUCTION MINIMUM SHEET METAL THICKNESSES		
RECTANGULAR DUCTS		
MAXIMUM SIZE (INCHES)	STEEL (MINIMUM THICKNESS, NOMINAL)	~~ALUMINUM (MINIMUM THICKNESS, NOMINAL)~~
THROUGH 12	0.022 INCH (26 GAGE, GALV.)	0.020 INCH (NO. 24 B&S GAGE)
13 THROUGH 30	0.028 INCH (24 GAGE, GALV.)	0.025 INCH (NO. 22 B&S GAGE)
31 THROUGH 54	0.034 INCH (22 GAGE, GALV.)	0.032 INCH (NO. 20 B&S GAGE)
55 THROUGH 84	0.040 INCH (20 GAGE, GALV.)	0.040 INCH (NO. 18 B&S GAGE)
OVER 84	0.052 INCH (18 GAGE, GALV.)	0.051 INCH (NO. 16 B&S GAGE)

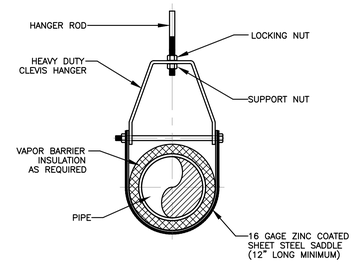
ROUND DUCTS			
MAXIMUM SIZE (INCHES)	SPIRAL SEAM DUCT STEEL (MINIMUM THICKNESS, NOMINAL)	LONGTUDINAL SEAM DUCT STEEL (MINIMUM THICKNESS, NOMINAL)	FITTINGS STEEL (MINIMUM THICKNESS, NOMINAL)
THROUGH 12	0.019 INCH (28 GAGE, GALV.)	0.022 INCH (26 GAGE, GALV.)	0.022 INCH (26 GAGE, GALV.)
13 THROUGH 18	0.022 INCH (26 GAGE, GALV.)	0.028 INCH (24 GAGE, GALV.)	0.028 INCH (24 GAGE, GALV.)
19 THROUGH 28	0.028 INCH (24 GAGE, GALV.)	0.034 INCH (22 GAGE, GALV.)	0.034 INCH (22 GAGE, GALV.)
29 THROUGH 36	0.034 INCH (22 GAGE, GALV.)	0.040 INCH (20 GAGE, GALV.)	0.040 INCH (20 GAGE, GALV.)
37 THROUGH 52	0.040 INCH (20 GAGE, GALV.)	0.052 INCH (18 GAGE, GALV.)	0.052 INCH (18 GAGE, GALV.)

DUCT CONSTRUCTION
NO SCALE



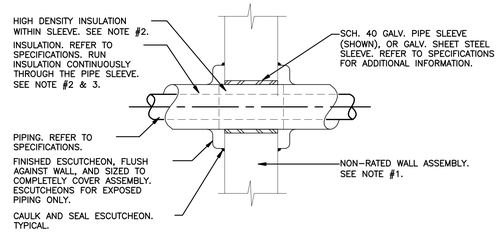
INSTALLATION NOTES
1. ALL DUCTS SHALL BE CONSTRUCTED AND ERECTED IN A NEAT AND WORKMANLIKE MANNER.
2. DUCTS SHALL BE CONSTRUCTED OF THE WEIGHTS, GAGES AND MATERIAL SHOWN IN THE SCHEDULE ON THESE DRAWINGS.
3. THE DIMENSION SHOWN FOR ALL DUCTS SHOWN IN PLAN GIVE THE WIDTH FIRST AND THEN THE HEIGHT.
4. DUCT RISERS SHOULD BE SUPPORTED BY ANGLES AT EVERY FLOOR.
5. AIR TURN SHALL BE INSTALLED IN ALL ABRUPT ELBOWS TO PREVENT TURBULENCE.
6. DUCTS SHALL BE SECURELY ATTACHED TO THE BUILDING CONSTRUCTION IN AN APPROVED MANNER.
7. DIVERGING TRANSITION PIECES SHALL BE MADE AS GRADUAL AS POSSIBLE.
8. INSTALL FIRE DAMPERS IN ACCORDANCE WITH UL 555.
9. ACCESS PANELS SHOULD BE PLACED BEFORE AND/OR AFTER EQUIPMENT INSTALLED IN THE DUCT.
10. DUCT AREA SHOULD NOT BE DECREASED MORE THAN 10 PERCENT WHEN OBSTRUCTIONS CANNOT BE AVOIDED, AND THEN A STREAMLINED FITTING SHOULD BE USED.
11. FLEXIBLE FABRIC CONNECTIONS (OR EQUAL) SHOULD BE USED ON BOTH INLETS AND OUTLETS OF ALL FANS AND AIR HANDLING UNITS.
12. JOINTS AND SEAMS OF SUPPLY DUCTS SHALL BE FASTENED SECURELY AND MADE AIR TIGHT.

DUCT CONSTRUCTION DETAILS
NO SCALE



HANGER ROD SCHEDULE			
PIPE SIZE	ROD SIZE	PIPE SIZE	ROD SIZE
UP TO 2"	3/8" DIA.	4" THRU 5"	5/8" DIA.
2 1/2" THRU 3"	1/2" DIA.	6" THRU 12"	7/8" DIA.

CLEVIS HANGER
HORIZONTAL RUNS



NOTES:
1. REFER TO THE ARCHITECTURAL AND STRUCTURAL DOCUMENTS FOR WALL ASSEMBLY CONSTRUCTION.
2. WHERE FLUID CONVEYED THROUGH PIPING IS BELOW AMBIENT TEMP. ALL SEAMS AND JOINTS IN THE INSULATION SHALL BE SEALED TO ENSURE A CONTINUOUS VAPOR BARRIER. REFER TO SPECIFICATIONS.
3. WHERE PIPING IS REQUIRED TO BE INSULATED, PROVIDE MAX 2 IN. THICK HOLLOW CYLINDRICAL HEAVY DENSITY (MIN 3.5 PCF) GLASS FIBER UNITS, JACKETED ON THE OUTSIDE WITH AN ALL-SERVICE JACKET. LONGITUDINAL JOINTS SEALED WITH FACTORY APPLIED SELF-SEALING LAP TAPE. TRANSVERSE JOINTS SECURED WITH BUTT TAPE SUPPLIED WITH THE PRODUCT. THE PIPE COVERING SHALL MEET THE ABOVE CRITERIA AND BEAR THE UL CLASSIFICATION MARKING WITH A FLAME SPREAD AND SMOKE DEVELOPED INDEX AS NOTED IN THE SPECIFICATIONS.
4. PIPING SHALL BE SUPPORTED ON EITHER SIDE OF WALL. PIPE SUPPORTS SHALL BE COMPLETELY INDEPENDENT OF WALL.

PIPING PENETRATIONS AT INTERIOR NON-RATED WALLS
NO SCALE

NOTES:
1. REFER TO THE ARCHITECTURAL AND STRUCTURAL DOCUMENTS FOR WALL ASSEMBLY CONSTRUCTION.
2. BASED ON THE WALL ASSEMBLY AND ITS RATING, THE MECHANICAL CONTRACTOR SHALL COORDINATE THE FIRE STOP SYSTEM REQUIREMENTS IN STRICT ACCORDANCE WITH THE UL FIRE RESISTANCE DIRECTORY. REFER TO SPECIFICATIONS, DIVISION 7, FOR ADDITIONAL INFORMATION.
3. MIN. 4 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM.THICKNESS IS BASED ON ASSEMBLY RATING. REFER TO NOTE #2. PACKING MATERIAL TO BE RECESSED FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.
4. MIN 1 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH ENDS OF STEEL WHEN SLEEVE PROJECTS BEYOND SURFACE OF WALL, A BEAD OF CAULK SHALL BE APPLIED TO OUTER PERIMETER OF SLEEVE AT INTERFACE WITH WALL SURFACES. COORDINATE THICKNESS OF BEAD TO SUIT THE FIRE STOP SYSTEM REQUIRED FOR THE ASSEMBLY BEING PENETRATED. REFER TO NOTE #2.
5. WHERE FLUID CONVEYED THROUGH PIPING IS BELOW AMBIENT TEMP. ALL SEAMS AND JOINTS IN THE INSULATION SHALL BE SEALED TO ENSURE A CONTINUOUS VAPOR BARRIER. REFER TO SPECIFICATIONS.
6. WHERE PIPING IS REQUIRED TO BE INSULATED, PROVIDE MAX 2 IN. THICK HOLLOW CYLINDRICAL HEAVY DENSITY (MIN 3.5 PCF) GLASS FIBER UNITS, JACKETED ON THE OUTSIDE WITH AN ALL-SERVICE JACKET. LONGITUDINAL JOINTS SEALED WITH FACTORY APPLIED SELF-SEALING LAP TAPE. TRANSVERSE JOINTS SECURED WITH BUTT TAPE SUPPLIED WITH THE PRODUCT. THE ANNULAR SPACE BETWEEN THE PENETRATING ITEM AND THE PERIPHERY OF THE OPENING SHALL BE MIN 1/4 IN. TO MAX 2 IN. THE PIPE COVERING SHALL MEET THE ABOVE CRITERIA AND BEAR THE UL CLASSIFICATION MARKING WITH A FLAME SPREAD AND SMOKE DEVELOPED INDEX AS NOTED IN THE SPECIFICATIONS.
7. PIPING SHALL BE SUPPORTED ON EITHER SIDE OF WALL. PIPE SUPPORTS SHALL BE COMPLETELY INDEPENDENT OF WALL.

PIPING PENETRATIONS AT INTERIOR RATED WALLS
NO SCALE

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KEY PLAN (N)
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LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND SITE WORK
207 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
MECHANICAL DETAILS

DATE	ISSUED TO
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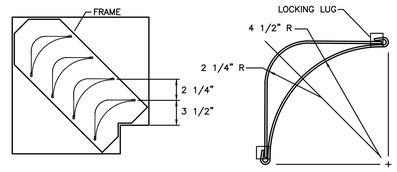
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS M200
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO.: 23505.02

PLOT DATE: December 02, 2024 - 5:53pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 - Cafetorium\ACAD\Mechanical\CVS PKG2_M-200_201_202_203.dwg

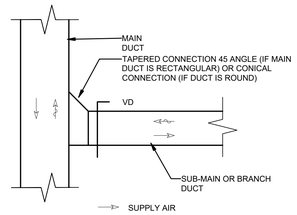


VANED ELBOW

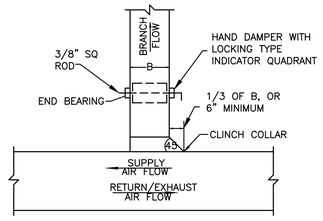
TURNING VANE

NOTES:
1. LOCKING LUGS INTEGRAL WITH VANE
2. MAXIMUM UNSUPPORTED VANE LENGTH 48"
3. FRAMES–BOLTED OR RIVETED TO ELBOW
4. VANES AND FRAMES–SAME GAUGE AS ELBOW

DOUBLE THICKNESS TURNING VANES FOR SQUARE ELBOW
NO SCALE



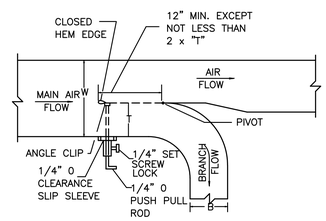
BRANCH TAKE–OFF DUCTWORK DETAIL
NO SCALE



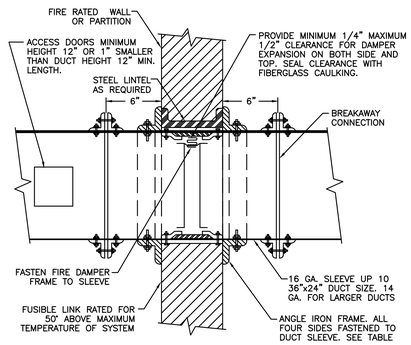
NOTES:
1. FURNISH THIS TYPE CONNECTION WHEN SUPPLY AIR FLOW IS LESS THAN 700 CFM
2. FURNISH THIS TYPE CONNECTION FOR ALL RETURN BRANCH CONNECTIONS

RECTANGULAR DUCT BRANCH DETAIL
NO SCALE

NOTES:
1. FURNISH THIS TYPE CONNECTION WHEN MAIN AIR FLOW IS GREATER THAN 700 CFM
2. $T = \frac{CFM\ (B)}{CFM\ (W)} \times W$ (MINIMUM 4")



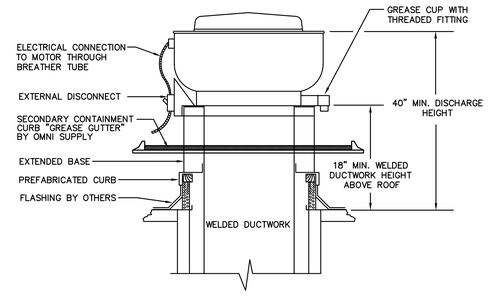
SUPPLY DUCT BRANCH WITH THROAT & SPLITTER DAMPER
NO SCALE



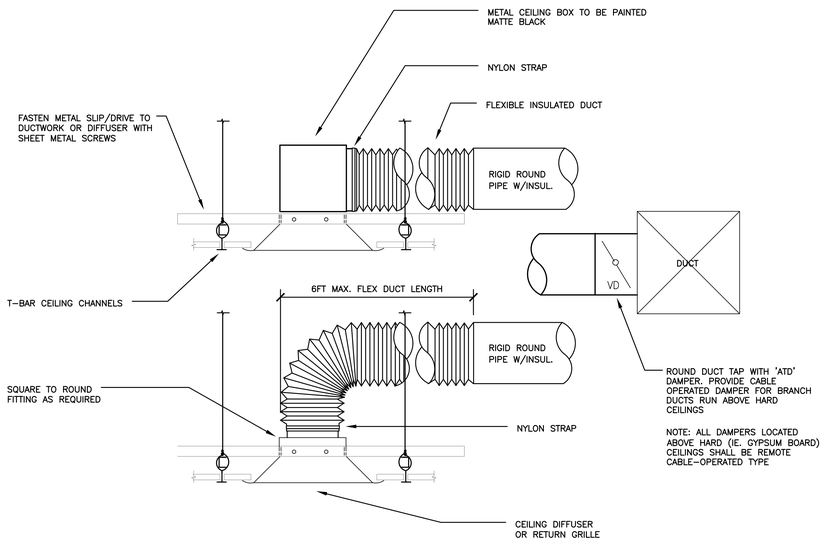
ANGLE IRON TABLE	
WALL OPENING	ANGLE SIZE
UP TO 30"	1"x1"x1/8"
31" TO 54"	1 1/2"x1 1/2"x1/8"
55" TO 84"	3"x2"x3/16"
85" TO 120"	3"x2"x3/16"

GENERAL NOTES
1. FIRE DAMPER TO BE U.L. LABELED N.F.P.A. 90 A.
2. N.F.P.A. APPROVED INSTALLATION DETAILS TO BE PART OF SUBMISSION OF FIRE DAMPER FOR APPROVAL WHICH SHALL MEET N.F.P.A. STANDARD 90 A.
3. DETAILS SHOWN ARE FOR FIRE DAMPERS IN HORIZONTAL DUCTWORK. FOR FIRE DAMPERS IN VERTICAL DUCTWORK, DETAILS SIMILAR EXCEPT SHALL BE SPRING LOADED
4. U.L. APPROVED BREAKAWAY SLIP JOINT CONNECTION MAY BE USED IN LIEU OF FLANGED CONNECTION
5. ACCESS DOOR IS SHOWN ON SIDE OF DUCT. IF FUSABLE LINK IS MORE ACCESSIBLE FROM BOTTOM OF DUCT RELOCATE ACCESS DOOR.
6. FROM FIRST 10'–0" OF FAN DISCHARGE DUCTS AND FOR DUCT SIZES LESS THAN 8" DEEP FIRE DAMPER BLADES SHALL BE INSTALLED IN POCKET OUTSIDE OF AIR STREAM
7. ALL FIRE DAMPERS TO BE LOCATED OUT OF AIR STREAM.

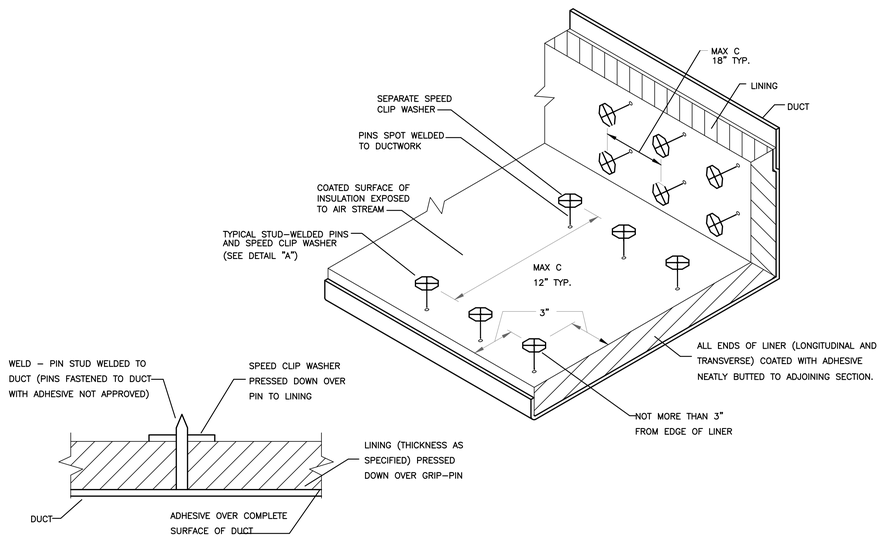
LOW PRESSURE FIRE DAMPER DETAIL
NO SCALE



ROOF KITCEN EXHAUST FAN DETAIL
NO SCALE



BRANCH DUCT DETAIL
NOT TO SCALE



DETAIL 'A'

SOUND LINING INSTALLATION DETAIL
NO SCALE

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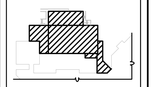

KEY PLAN

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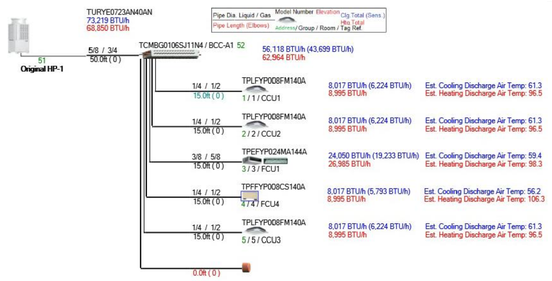
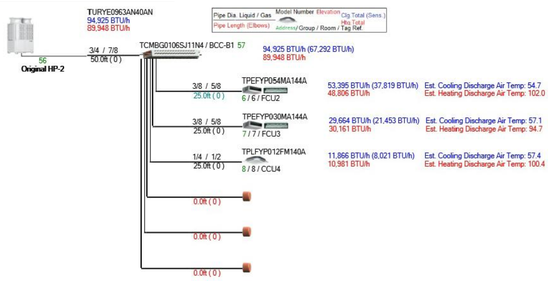
SHEET SIZE 30"x42"
DRAWING NO. CVS M201
SCALE AS NOTED
DRAWN BY LFG
FILE NO. 23505.02

PLOT DATE: December 02, 2024 - 5:53pm

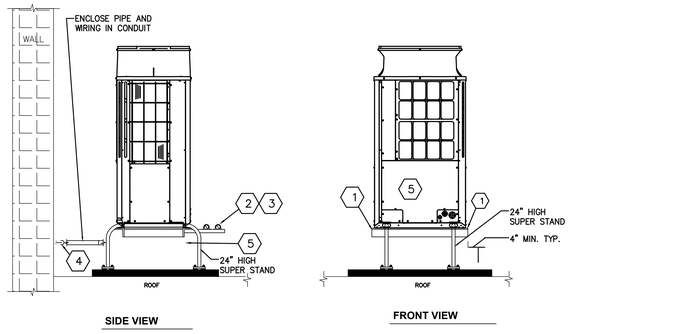
FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 – Cafetorium\ACAD\Mechanical\CVS PKG2_M–200_201_202_203.dwg



VRF SYSTEM (HP–1) PIPING RISER DIAGRAM
NOT TO SCALE



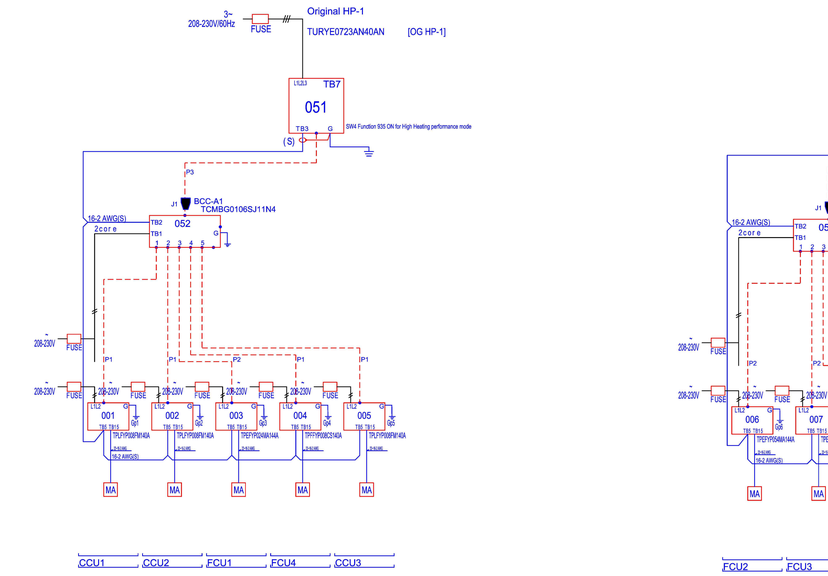
VRF SYSTEM (HP–2) PIPING RISER DIAGRAM
NOT TO SCALE



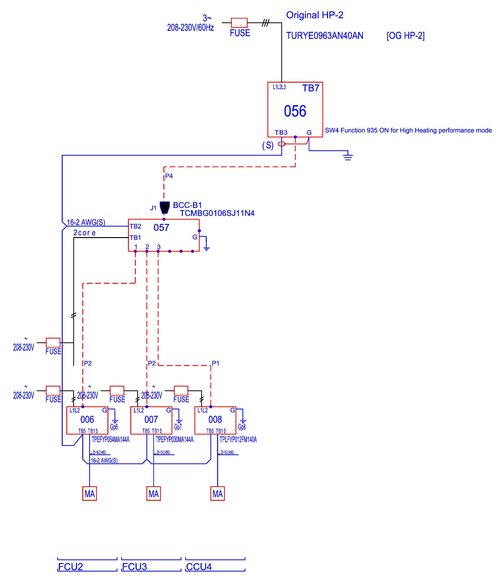
CODED NOTES:

1. ENSURE CROSS MEMBERS OF BOTTOM SUPPORT FRAME ARE NOT DIRECTLY BELOW ENDS OF MODULES IN ALL LOCATIONS AND DO NOT BLOCK DRAINAGE WEEP HOLES IN BOTTOM OF UNIT CASING, FAILURE TO DO THIS MAY RESULT IN ICE DAMMING/BUILDUP BENEATH UNIT AND SUBSEQUENT BUILDUP OF ICE IN BOTTOM OF UNIT CASING BELOW COIL AND POTENTIAL DAMAGE TO BOTTOM OF COIL.
2. SUPPORT LATERAL PIPE EMANATING FROM VRF UNIT CONNECTIONS BY CROSS MEMBER SUPPORT THAT IS ATTACHED DIRECTLY TO SUPER STANDS.
3. USE NEOPRENE ISOLATION COLLARS ON PIPE CLAMPS WHEN FASTENING PIPING TO SUPPORTS.
4. USE LONG RADIUS SWEEPING COPPER ACR TUBE PIPE BENDS WHERE PIPE ENTERS GROUND AT FIRST ELBOW INTO CEILING SPACE TO MINIMIZE REFRIGERANT FLOW NOISE AND VIBRATION.
5. ALL ELECTRICAL AND CONTROL CONNECTIONS TO UNITS TO BE VIA FLEXIBLE CONDUIT.

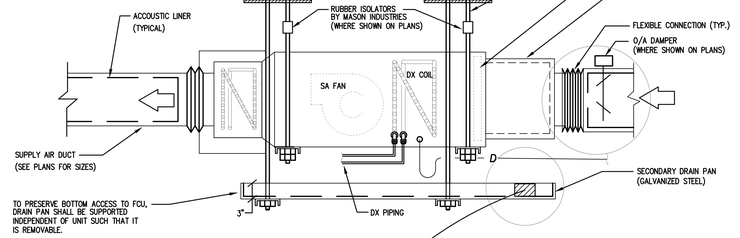
ROOF MOUNTED AIR COOLED HEAT–PUMP UNIT DETAIL
NO SCALE



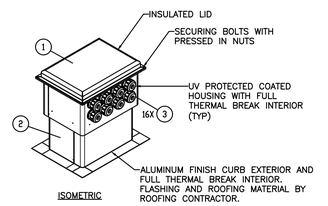
VRF SYSTEM (HP–1) WIRING DIAGRAM
NOT TO SCALE



VRF SYSTEM (HP–2) WIRING DIAGRAM
NOT TO SCALE



HORIZONTAL FAN COIL UNIT DETAIL
NOT TO SCALE

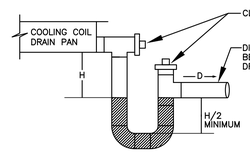


ISOMETRIC

NOTE:
1. SIGRIST TUBING CHASE HOUSING BY ALTA. VERIFY CURB OPENING SIZE WITH MANUFACTURER. SEE ROOFTOP PLAN FOR LOCATION AND FURTHER INFORMATION.
2. PIPE PORTAL SHALL BE SUPPLIED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY GENERAL CONTRACTOR. 1

ITEM NO.	NOMENCLATURE	PART NUMBER	QTY.
1	MEDIUM HOUSING	AL–201412	1
2	MEDIUM CURB 14" TALL	AL–1014C	1
3	SIGRIST EXIT SEAL	N/A	16

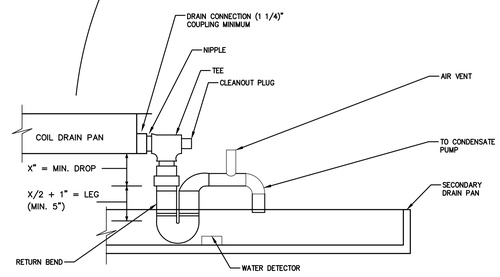
PIPE PORTAL DETAIL
NO SCALE



H = FAN INLET PRESSURE (IN. W.C.) + 1 IN.

NOTES:
1. ALLOW SUFFICIENT SPACE BELOW DRAIN PAN FOR TRAP.
2. PITCH DRAIN FOR PROPER RUN–OFF.
3. MANUALLY PRIME FILL TRAP BEFORE START–UP TO FORM INITIAL DRAIN SEAL.
4. SUPPORT LENGTHY DRAIN LINES TO PREVENT SAG AND CONDENSATE OVERFLOW.
5. ALL AIR HANDLERS ARE TO HAVE TWO DRAIN PAN OUTLETS AND TRAPS CONNECTING TO A COMMON DRAIN LINE.

CONDENSATE TRAP DETAIL
DRAW–THRU UNIT
NO SCALE



X = NEGATIVE INTERNAL STATIC PRESSURE AT FAN INLET

NOTES:
1. ALLOW SUFFICIENT SPACE BELOW DRAIN PAN FOR TRAP.
2. PITCH DRAIN FOR PROPER RUN–OFF
3. MANUALLY PRIME FILL TRAP BEFORE START–UP TO FORM INITIAL DRAIN SEAL.
4. SUPPORT LENGTHY DRAIN LINES TO PREVENT SAG AND CONDENSATE OVERFLOW.
5. MIN. CONDENSATE DRAIN LINE SHALL BE 1–1/4".
6. SHEET METAL SECONDARY DRAIN PAN WITH WELDED CORNERS TO BE PROVIDED BY MECHANICAL CONTRACTOR PROVIDE SENSOR SWITCH IN PAN INTERLOCKED WITH FCU AND ALARM

DRAIN PAN WATER SEAL PIPING
NO SCALE

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SCALE AS NOTED
DRAWN BY LFG
FILE NO. 23505.02

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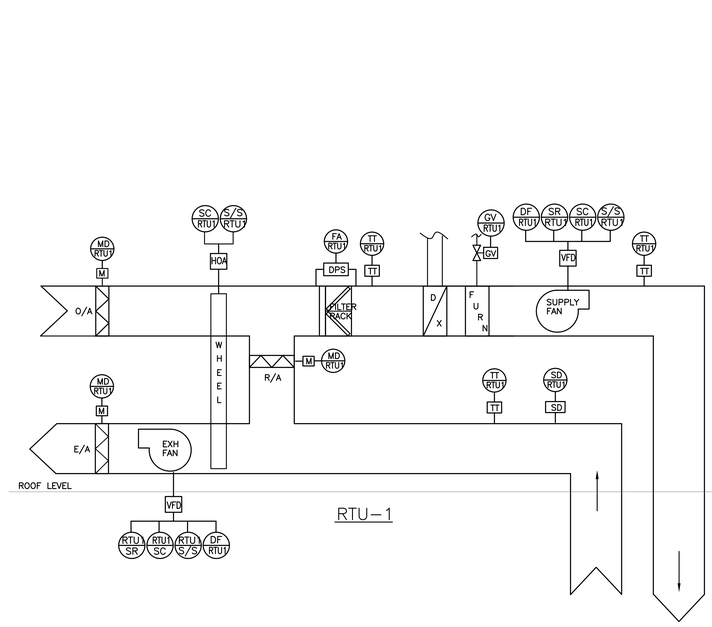

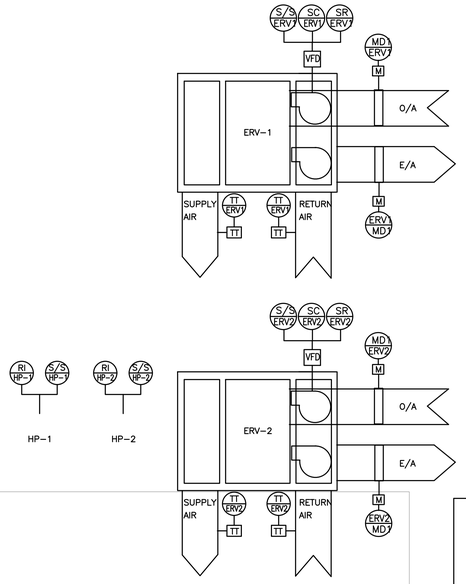

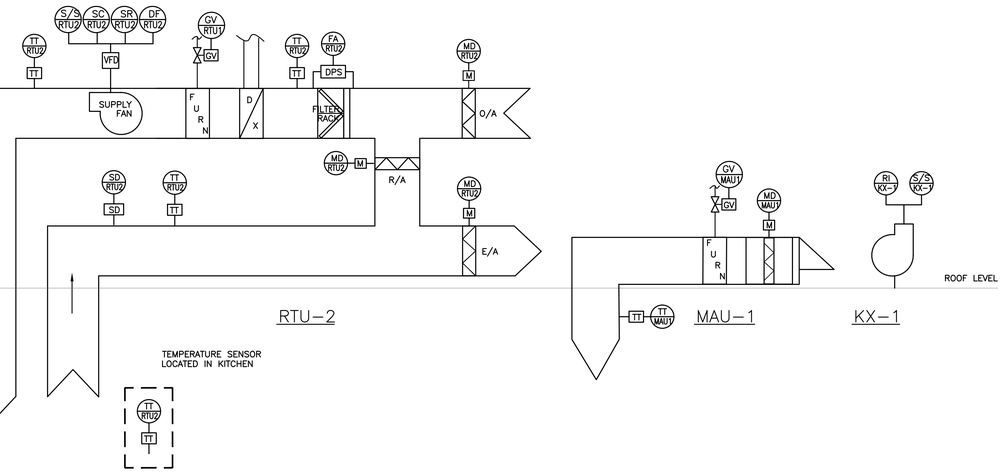

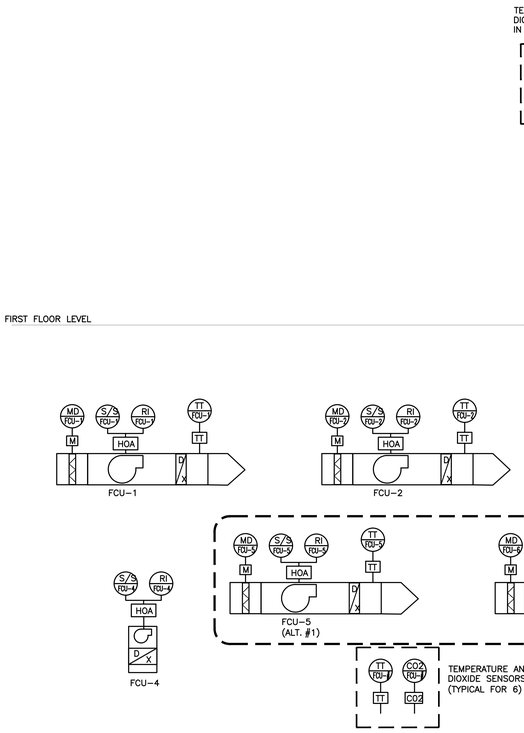

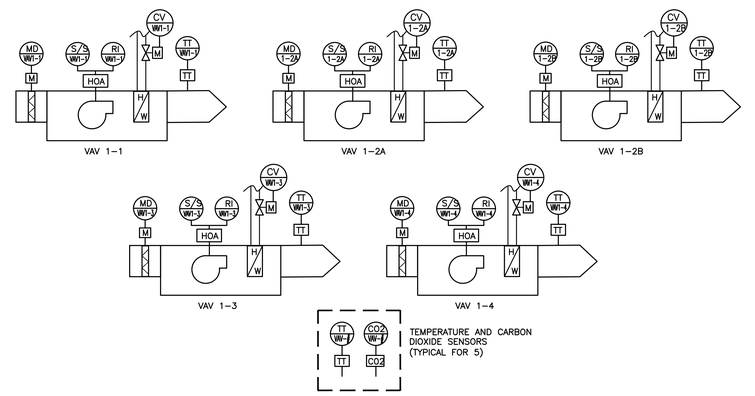

NOTES

1. REFER TO SPECIFICATION SECTION 230933 FOR ADDITIONAL INFORMATION.

2. ALL POINTS SHOWN ON DIAGRAM SHALL BE MONITORED AND DISPLAYED AT GRAPHICAL USER INTERFACE (GUI). ALL POINTS SHALL BE CONFIGURED TO GENERATE ALARM AT USER INTERFACE WHEN VALUE IS OUTSIDE RANGE OR IF FAN, DAMPER, ETC FAILS TO RESPOND.

3. IF COMPRESSOR STATUS IS AVAILABLE AT FACTORY CONTROLLER, THIS INFO SHALL BE MONITORED AND DISPLAYED AT GUI.

4. FACTORY CONTROLS FOR VRF EQUIPMENT SHALL BE INTEGRATED INTO BMS. PROVIDE ALL REQUIRED HARDWARE INCLUDING BACNET GATEWAYS FOR MONITORING AND CONTROL.

5. THE MINIMUM VOLUMETRIC FLOW RATE OF OUTSIDE AIR FOR THE CAFETORIUM (RTU–1) SHALL BE AT LEAST TWENTY PERCENT OF VOLUMETRIC FLOW RATE OF OUTSIDE AIR FRO THE MAXIMUM OCCUPANT LOAD OF THE SPACE.

MECHANICAL CONTROL SCHEMATIC

NOT TO SCALE

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KEY PLAN

FULLER D'ANGELO P.C. ARCHITECTS PLANNERS
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TEL: 914.592.2444 FAX: 914.592.1717
LFG LANDMARK FACILITIES GROUP, INC.
252 East Avenue Norwalk, CT 06855 (203) 866-6644 (203) 866-8019 Fax

LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-05-01-06-0-001-026

PROJECT TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & SITE IMPROVEMENTS
207 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE:
MECHANICAL PIPING & CONTROLS DIAGRAM

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS M203
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO.: 23505.02

PLOT DATE: December 02, 2024 - 5:53pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 – Cafetorium\ACAD\Mechanical\CVS PKG2_M–200_201_202_203.dwg

GAS-FIRED ROOFTOP UNIT SCHEDULE

MARK	RTU-1	RTU-2	MUA-1
AREA SERVED	CAFETORIUM	KITCHEN	KITCHEN
MODEL	OAKD360D3-D1C400JR-A7K00AC1JR4C62C000E0	YHJ120A350L	A2-D.250-20D USB118DD-RM
MANUFACTURER	TRANE	TRANE	CAPTIVEAIRE
COOLING CAPACITY (MBH)	340	110.42	N/A
SENSIBLE CAPACITY (MBH)	231.7	81.13	N/A
HEAT SOURCE	GAS	GAS	GAS
HEAT CAPACITY (MBH)	324	121.5	178.2
AIR — SUPPLY AIRFLOW (CFM)	7405	3000	2500
AIR — ESP (in. wc.)	1	0.75	0.5
AIR — FAN RPM	1998	1241	1095
AIR — FAN BHP	5.92	#.#	0.722
AIR — COOLING EAT (DB / WB)	79.9 / 66.6	80.0 / 67.0	N/A
AIR — COOLING LAT (DB / WB)	51.5 / 51.2	57.5 / 57.1	N/A
AIR — HEATING EAT (DB / WB)	46.5 / -	45.88/-	5.0 / -
AIR — HEATING LAT (DB / WB)	86.8 / -	82.5/-	65.5 / -
ELEC — VOLTAGE	208	208	208
ELEC — PHASE	3	3	3
ELEC — MOTOR FLA	2.3	8.8	N/A
ELEC — MCA	172.7	54	6
ELEC — MOCP	200	70	15
EER	15.2	11.4	N/A
UNIT WEIGHT (lbs)	6396	1162	770
NOTES	1, 2, 3, 4	1, 2, 3	1, 2, 3

NOTES:
1. UNITS SHALL BE SET ON SPRING ISOLATORS WITH 1" STATIC DEFLECTION
2. UNITS SHALL BE FURNISHED WITH FACTORY BACNET CARD.2.
3. FURNISH AND INSTALL ON 24" TALL VIBRATION ISOLATION ROOF CURB BY CAMBRIDGEPORT.
4. FURNISH SA & RA TRANSITION SILENCER BY VIBRO ACOUSTICS.

AIR OUTLET SCHEDULE

TAG	MFG	MODEL	AIRFLOW (CFM)	SIZE	NOTES
CD-1	TITUS	TDC	SEE DWGS	12"x12"	1
CD-2		T3 SQ-2		24"x24"	
RG-1		350RL		32"x32"	
RG-2				6"x6"	
RG-3		50FF		24"x24"	
EG-1					
EG-2					
SR-1	SEIHO	PK	1,200	20" DIA.	1

NOTES:
1. ALL AIR OUTLETS SHALL BE WHITE UNLESS OTHERWISE NOTED ON PLANS

BRANCH DUCT SCHEDULE

AIR FLOW (cfm)	ROUND DUCT SIZE (in.)	SQUARE DUCT SIZE (in.)
0-105	6	6x6
106-160	7	8x6
161-230	8	10x6
231-320	9	12x6
321-420	10	12x8

NOTES:
1. WHETHER OR NOT INDICATED ON PLANS, CONTRACTOR SHALL FURNISH AND INSTALL MANUAL VOLUME DAMPERS IN ALL SUPPLY AND RETURN BRANCH DUCTS.

EXTERIOR LOUVER SCHEDULE

MARK	EL-1	EL-2	EL-3
PRODUCT TYPE	SQUARE	SQUARE	SQUARE
MANUFACTURER	RUSKIN	RUSKIN	RUSKIN
MODEL	ELF375DX	ELF375DX	ELF375DX
AREA (in. x in.)	12 x 9	36 X 12	24 x 12
DEPTH (in.)	15	15	15
AIRFLOW (cfm)	85	495	495
FREE AREA (%)	54	54	54

NOTES:
1. LOUVER SHALL BE FURNISHED WITH INSECT SCREEN.
2. REFER TO ARCHITECTURAL PLANS FOR COLOR.

EXISTING ROOFTOP UNIT SCHEDULE

MARK	(E) ERU-1	
AREA SERVED	CAFÉTERIA RENOVATION	
MODEL	ERU-E-05-EW04-H-C-SS	
MANUFACTURER	ANNEX AIR	
COOLING CAPACITY (MBH)	231.8	
SENSIBLE CAPACITY (MBH)	164.52	
HEAT SOURCE	HOT WATER	
HEAT CAPACITY (MBH)	309.6	
OUTSIDE AIR (CFM)	5,900	
AIR — SUPPLY AIRFLOW (CFM)	5,900 REDUCED TO 4,400cfm	
AIR — ESP (in. wc.)	1.25	
AIR — FAN RPM	2087	
AIR — FAN BHP	5.82	
AIR — FAN HP	7.5	
AIR — COOLING EAT (DB / WB)	80.70 / 67.90	
AIR — COOLING LAT (DB / WB)	55.46 / 55.45	
AIR — HEATING EAT (DB / WB)	52.1 / -	
AIR — HEATING LAT (DB / WB)	100.23 / -	
WATER — FLUID TYPE	40% GLYCOL	
WATER — CHILLED WATER COIL		
WATER — ENTERING FLUID TEMP.	45.00 F	
WATER — LEAVING FLUID TEMP.	54.70 F	
WATER — FLOW PER COIL (GPM)	52.22	
WATER — PRESSURE DROP (FT WG)	22.75	
WATER — FLUID TYPE	40% GLYCOL	
WATER — HOT WATER COIL		
WATER — ENTERING FLUID TEMP.	140.00 F	
WATER — LEAVING FLUID TEMP.	125.00 F	
WATER — FLOW PER COIL (GPM)	44.33	
WATER — PRESSURE DROP (FT WG)	7.42	
ELEC — VOLTAGE	208	
ELEC — PHASE	3	
ELEC — SA MOTOR FLA	20.4	
ELEC — EXH MOTOR FLA	14	
ELEC — FULL FLA	36	
ELEC — MCA	41	
ELEC — MOCP	60	
EER	#	
UNIT WEIGHT (lbs)	5,000	
NOTES	1, 2, 3, 4, 5	

NOTES:
1. EXISTING UNIT'S SUPPLY AIR CAPACITY TO BE REDUCED DOWN TO 4,400CFM.
2. EXISTING UNIT SHALL BE FURNISHED WITH NEW "LOGIC CONTROL".
3. EXISTING UNIT'S DAMPERS SHALL BE CHANGED TO MODULATING TO ALLOW FOR DOAS CAPABILITIES TO BECOME RECIRCULATING.
4. EXISTING ANNEX-AIR 100% O.A. SINGLE WHEEL ENERGY RECOVERY AIR HANDLING UNIT TO BE RECONFIGURED TO 30% O.A.
5. EXISTING DAMPER ACTUATORS TO BE CHANGED TO MODULATING AND EXISTING CONTROLS CHANGED TO LOGIC CONTROL TYPE.

MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI VRF INDOOR UNIT SCHEDULE

System Tag	Room Name	Tag Reference	Model	Type	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Cooling Design Entering Temp DB/WB (°F) / [Water in temp]	Heating Design Entering Temp DB/WB (°F) / [Water in temp]	Corrected Capacity: Cooling Diversity Full/Partial (See Note 5, 6)	Corrected Capacity: Cooling Total Capacity (BTU/h)	Corrected Capacity: Cooling Sensible Capacity (BTU/h)	Corrected Capacity: Heating Diversity Full/Partial (See Note 5, 6)	Corrected Capacity: Heating Capacity (BTU/h)	Refrig Pipe Dim Liquid/Suction (inch)	Fan Speed Setting	Peak Fan Airflow (cfm) / [Design gpm G(US)/min]	Max Fan ESP Setting 208V/230V (IN WG)	Voltage / Phase	Electrical MCA/MFS	Notes / Options
Original HP-1		CCU1	TPLFYP008FM140A	Ceiling-Cassette (Four-Way)	8,000	9,000	80.0/67.0	70	FULL DEMAND	8,016.8	6,224.0	FULL DEMAND	8,994.9	1/4 / 1/2	HIGH	315		208/230V/1-phase	0.28/0.28/15	1, 2, 3, 4, 8
Original HP-1		CCU2	TPLFYP008FM140A	Ceiling-Cassette (Four-Way)	8,000	9,000	80.0/67.0	70	FULL DEMAND	8,016.8	6,224.0	FULL DEMAND	8,994.9	1/4 / 1/2	HIGH	315		208/230V/1-phase	0.28/0.28/15	1, 2, 3, 4, 8
Original HP-1		FCU1	TPEFYP024MA1 44A	Ceiling-Concealed (Ducted)	24,000	27,000	80.0/67.0	70	FULL DEMAND	24,050.4	19,233.2	FULL DEMAND	26,984.6	3/8 / 5/8	HIGH	883	0.6/0.6	208/230V/1-phase	2.88/15	1, 2, 3, 4, 7, 8
Original HP-1		FCU4	TPFFYP008CS140A	Floor-Standing Type (Exposed)	8,000	9,000	80.0/67.0	70	FULL DEMAND	8,016.8	5,793.4	FULL DEMAND	8,994.9	1/4 / 1/2	HIGH	230		208/230V/1-phase	0.32/0.34/15	1, 2, 3, 4, 7, 9
Original HP-1		CCU3	TPLFYP008FM140A	Ceiling-Cassette (Four-Way)	8,000	9,000	80.0/67.0	70	FULL DEMAND	8,016.8	6,224.0	FULL DEMAND	8,994.9	1/4 / 1/2	HIGH	315		208/230V/1-phase	0.28/0.28/15	1, 2, 3, 4, 8
Original HP-2		FCU2	TPEFYP054MA1 44A	Ceiling-Concealed (Ducted)	54,000	60,000	80.0/67.0	70	FULL DEMAND	53,395.2	37,819.2	FULL DEMAND	48,806.0	3/8 / 5/8	HIGH	1413	0.6/0.6	208/230V/1-phase	4.38/15	1, 2, 3, 4, 7, 8
Original HP-2		FCU3	TPEFYP030MA1 44A	Ceiling-Concealed (Ducted)	30,000	34,000	80.0/67.0	63.4	FULL DEMAND	29,664.0	21,452.5	FULL DEMAND	30,160.9	3/8 / 5/8	HIGH	883	0.6/0.6	208/230V/1-phase	2.88/15	1, 2, 3, 4, 7, 9
Original HP-2		CCU4	TPLFYP012FM140A	Ceiling-Cassette (Four-Way)	12,000	13,500	80.0/67.0	70	FULL DEMAND	11,865.6	8,020.5	FULL DEMAND	10,981.3	1/4 / 1/2	HIGH	335		208/230V/1-phase	0.29/0.29/15	1, 2, 3, 4, 8
ALT HP-1		ALTCCU1	TPLFYP008FM140A	Ceiling-Cassette (Four-Way)	8,000	9,000	80.0/67.0	70	FULL DEMAND	7,572.9	6,051.7	FULL DEMAND	7,269.7	1/4 / 1/2	HIGH	315		208/230V/1-phase	0.28/0.28/15	1, 2, 3, 4, 8
ALT HP-1		ALTCCU2	TPLFYP008FM140A	Ceiling-Cassette (Four-Way)	8,000	9,000	80.0/67.0	70	FULL DEMAND	7,572.9	6,051.7	FULL DEMAND	7,269.7	1/4 / 1/2	HIGH	315		208/230V/1-phase	0.28/0.28/15	1, 2, 3, 4, 8
ALT HP-1		ALTFCU1	TPEFYP024MA1 44A	Ceiling-Concealed (Ducted)	24,000	27,000	80.0/67.0	70	FULL DEMAND	22,718.6	18,722.1	FULL DEMAND	21,809.2	3/8 / 5/8	HIGH	883	0.6/0.6	208/230V/1-phase	2.88/15	1, 2, 3, 4, 7, 8
ALT HP-1		ALTFCU4	TPFFYP008CS140A	Floor-Standing Type (Exposed)	8,000	9,000	80.0/67.0	70	FULL DEMAND	7,572.9	5,614.8	FULL DEMAND	7,269.7	1/4 / 1/2	HIGH	230		208/230V/1-phase	0.32/0.34/15	1, 2, 3, 4, 7, 9
ALT HP-1		ALTCCU3	TPLFYP008FM140A	Ceiling-Cassette (Four-Way)	8,000	9,000	80.0/67.0	70	FULL DEMAND	7,572.9	6,051.7	FULL DEMAND	7,269.7	1/4 / 1/2	HIGH	315		208/230V/1-phase	0.28/0.28/15	1, 2, 3, 4, 8
ALT HP-1		ALTCCU5	TPLFYP008FM140A	Ceiling-Cassette (Four-Way)	8,000	9,000	80.0/67.0	70	FULL DEMAND	7,572.9	6,051.7	FULL DEMAND	7,269.7	1/4 / 1/2	HIGH	315		208/230V/1-phase	0.28/0.28/15	1, 2, 3, 4, 8
ALT HP-1		ALTCCU6	TPLFYP012FM140A	Ceiling-Cassette (Four-Way)	12,000	13,500	80.0/67.0	70	FULL DEMAND	11,359.3	7,807.2	FULL DEMAND	10,904.6	1/4 / 1/2	HIGH	335		208/230V/1-phase	0.29/0.29/15	1, 2, 3, 4, 8
ALT HP-2		ALTFCU2	TPEFYP054MA1 44A	Ceiling-Concealed (Ducted)	54,000	60,000	80.2/67.1	67.8	FULL DEMAND	54,197.9	38,245.2	FULL DEMAND	39,272.1	3/8 / 5/8	HIGH	1413	0.6/0.6	208/230V/1-phase	4.38/15	1, 2, 3, 4, 7, 9
ALT HP-2		ALTFCU3	TPEFYP030MA1 44A	Ceiling-Concealed (Ducted)	30,000	34,000	80.3/67.1	66.5	FULL DEMAND	30,109.9	21,775.4	FULL DEMAND	22,638.0	3/8 / 5/8	HIGH	883	0.6/0.6	208/230V/1-phase	2.88/15	1, 2, 3, 4, 7, 8
ALT HP-2		ALTFCU5	TPEFYP030MA1 44A	Ceiling-Concealed (Ducted)	30,000	34,000	81.4/67.7	56.5	FULL DEMAND	30,550.6	22,211.2	FULL DEMAND	24,852.2	3/8 / 5/8	HIGH	883	0.6/0.6	208/230V/1-phase	2.88/15	1, 2, 3, 4, 7, 8
ALT HP-2		ALTFCU6	TPEFYP030MA1 44A	Ceiling-Concealed (Ducted)	30,000	34,000	81.4/67.7	56.5	FULL DEMAND	30,550.6	22,211.2	FULL DEMAND	24,852.2	3/8 / 5/8	HIGH	883	0.6/0.6	208/230V/1-phase	2.88/15	1, 2, 3, 4, 7, 8
ALT HP-2		ALTCCU4	TPLFYP012FM140A	Ceiling-Cassette (Four-Way)	12,000	13,500	80.0/67.0	70	FULL DEMAND	12,014.6	8,083.8	FULL DEMAND	8,575.8	1/4 / 1/2	HIGH	335		208/230V/1-phase	0.29/0.29/15	1, 2, 3, 4, 8

ALT

Notes & Options:
1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)
2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)
3 See outdoor unit schedule for outdoor ambient conditions, connected capacity, and other factors associated with corrected capacities
4 See schematic piping/control diagram for indication of required indoor unit remote controllers, system controllers, and integration devices.
5 Unit to be provided with emergency drain pan and leak sensor.
6 Unit to be provided with factory condensate pump.
7 Unit to be provided with auxiliary condensate pump (MAXIBLUE DS 2019 USA or equal).

VRF HEAT RECOVERY BRANCH CIRCUIT CONTROLLER

System Tag	Tag Reference	M-NET Address	Model Number	Type (double / Main / Sub)	Number of Ports	Connected Capacity to BC	Voltage / Phase	MCA 208/230	Notes / Options
Original HP-1	BCC-A1	52	TCMBG0106SJ11N4	Single	6	56,000.0	208/230V/1-phase	0.55/0.65	1
Original HP-2	BCC-B1	57	TCMBG0106SJ11N4	Single	6	96,000.0	208/230V/1-phase	0.55/0.65	1
ALT HP-1	BCC-A1	52	TCMBG0108SJ11N4	Single	8	76,000.0	208/230V/1-phase	0.74/0.87	1
ALT HP-2	BCC-B1	57	TCMBM0108JA11N4	Main	8	156,000.0	208/230V/1-phase	0.83/0.97	1

ALT

Notes & Options:
1 Include Diamondback Ball Valves BV-Series, 700PSIG working pressure, full port, 410A rated.

MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI VRF OUTDOOR UNIT SCHEDULE

System Tag	Tag Reference	M-NET Address	Model Number	Modules	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Design Cooling Outdoor Temp DB (°F)	Design Heating Outdoor Temp WB (°F)	Corrected Cooling Total Capacity (BTU/h)	Corrected Heating Capacity (BTU/h)	Electrical-Per Module 208/230 or [460V]: Voltage / Phase	MCA 208/230 or [460V]	RFS	MOCP	Notes / Options
Original HP-1	OG HP-1	51	TURYE0723AN40AN	EP72	72,000	80,000	91.0	5.0	73,219.2	68,850.1	208/230V / 3-phase 3-wire	23/21	35/30	35/30	1, 2, 3, 4, 5
Original HP-2	OG HP-2	56	TURYE0963AN40AN	EP96	96,000	108,000	91.0	5.0	94,924.7	89,948.2	208/230V / 3-phase 3-wire	31/29	45/45	45/45	1, 2, 3, 4, 5
ALT HP-1	OG HP-1	51	TURYE0723AN40AN	EP72	72,000	80,000	91.0	5.0	71,942.3	69,062.6	208/230V / 3-phase 3-wire	23/21	35/30	35/30	1, 2, 3, 4, 5
ALT HP-2	ALT HP-2	56	TURYE1683AN40AN	EP168	168,000	188,000	91.0	5.0	171,144.0	120,190.2	208/230V / 3-phase 3-wire	57/53	70/70	90/80	1, 2, 3, 4, 5

ALT

Notes & Options:
1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)
2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)
3 For systems with multiple modules, refrigerant pipe dimensions indicate total system combined piping downstream of module twinning.
4 Added field charge listed is in addition to factory charge, this must be updated based upon final as-built piping layout.

SILENCER SCHEDULE (VIBRO-ACOUSTICS)

TAG	SYSTEM	TYPE (NOTE 1)	DIMENSIONS: DUCT WIDTH, IN.	OUTER WIDTH, IN.	DUCT HEIGHT, IN.	LENGTH IN.	AIRFLOW, CFM	VELOCITY, FPM (NOTE 2)	IDEAL DP IN.W.G. (NOTE 3)	MAX.DP W/SYS EFF IN.W.G. (NOTE 4)	MINIMUM DYNAMIC INSERTION LOSS, dB (NOTE 5) OCTAVE BAND CENTER FREQUENCY, HZ: 63	125	250	500	1000	2000	4000	8000	BASIS OF DESIGN VIBRO-ACOUSTICS MODEL NUMBER	NOTES
SA-S	Supply	EXTRD	see note 9				7405	+1058	0.09	0.30	5	9	19	34	43	34	23	18	EXTRD-MV-AY31086	
		Transitional silencer, inlet duct connection, 36x28, casing dimenison 48x28, Outlet duct dimension, 58x20, casing dimension 70x28																		
SA-R	Return	EXTRD	see note 10				7754	-1493	0.12	0.31	6	9	21	36	44	35	22	16	EXTRD-MV-AY31086	
		Transitional silencer, inlet duct connection, 58x20, casing dimenison 70x32, Outlet duct dimension, 34x22, casing dimension 46x32																		

Notes:
1. TYPE EX - EXTENDED CASING D - DISSIPATIVE R - RECTANGULAR
2. VELOCITY SHOWN IS + (FORWARD FLOW) OR - (REVERSE FLOW) AS DEFINED BY ASTM E477-20.
3. IDEAL PRESSURE DROP AS DETERMINED PER ASTM E477-20 IN A NVLAP-ACCREDITED ACOUSTICAL LABORATORY.
4. PRESSURE DROP PER ASTM E477-20 PLUS SYSTEM EFFECTS FOR NEARBY DUCT ELEMENTS.
5. MINIMUM DYNAMIC INSERTION LOSS DETERMINED PER ASTM E477-20 IN A NVLAP-ACCREDITED ACOUSTICAL LABORATORY.
6. NON-BASIS OF DESIGN SILENCER MANUFACTURER SHALL PROVIDE, FOR APPROVAL, PROFESSIONAL ENGINEER STAMPED ACOUSTICAL CALCULATIONS FOR ALL SYSTEMS WITH SILENCERS TO DEMONSTRATE THAT THE RESULTANT DUCTBORNE FAN SOUND LEVELS, INCLUDING AIRBORNE AND BREAKOUT NOISE, MEET THE REQUIRED CRITERIA.
7. NON-BASIS OF DESIGN SILENCER MANUFACTURER SHALL PROVIDE, FOR APPROVAL, PROFESSIONAL ENGINEER STAMPED PRESSURE DROP CALCULATIONS FOR ALL SYSTEMS WITH SILENCERS TO DEMONSTRATE THAT THE RESULTANT INSTALLED PRESSURE DROP WITH SYSTEM EFFECTS DOES NOT EXCEED SCHEDULED VALUES.
8. FOR NON-BASIS OF DESIGN PRODUCT SUPPLIED, CONTRACTOR IS FINANCIALLY RESPONSIBLE TO ENSURE NOISE CONTROL SOLUTION IS DELIVERED TO ACHIEVE SPECIFIED NC LEVEL IN SPACES.
9. INLET DUCT CONNECTION: 36x28, CASING 48x28, OUTLET DUCT DIMENSION: 58x20, CASING 70x28.
10. INLET DUCT CONNECTION: 58x20, CASING 70x32, OUTLET DUCT DIMENSION: 34x22, CASING 46x32.

ALT

NEW ERV SCHEDULE

MARK	ERV-1	ERV-2	(ALT.) ERV-3
AREA SERVED	BATHROOMS	BACKSTAGE/MUSIC CLASSROOM	SGI, CORRIDOR, STORAGE
MODEL	TLGHF0600RVX02A	TLGHF1200RVX02A	TLGHF0600RVX02A
MANUFACTURER	LOSSNAY	LOSSNAY	LOSSNAY
AIRFLOW	515	1,280	515
VOLTAGE	208	208	208
PHASE	1	1	1
MCA	5.2	10.4	5.2
MOCP	15	15	15
WEIGHT	123	251	123
NOTES	1, 2, 3	1, 2, 3	1, 2, 3

NOTES:
1. UNIT SHALL INCLUDE FACTORY MOTORIZED DAMPERS AT OUTDOOR AND EXHAUST AIR CONNECTIONS.
2. UNIT SHALL BE FURNISHED WITH BACNET CARD.
3. INSTALL AND FURNISH VIBRATION ISOLATION HANGERS BY MANUFACTURER.

ALT

CEILING CASSETTE UNIT SCHEDULE

MARK	TYPE	AREA SERVED	MODEL	MANU.	AIRFLOW (CFM)	NOMINAL TONNAGE	COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH)	VOLTAGE	PHASE	MCA	MOCP	NOTES
CCU-1	CLG.MTD.	OFFICE #44	TPLFYP008FM140A	TRANE	315	0.8	0.67	8	208	1	0.28	15	1,2,3,4,5
CCU-2	CLG.MTD.	OFFICE #43	TPLFYP008FM140A	TRANE	315	0.8	0.67	8	208	1	0.28	15	1,2,3,4,5
CCU-3	CLG.MTD.	VESTIBULE #48	TPLFYP008FM140A	TRANE	315	0.8	0.67	8	208	1	0.28	15	1,2,3,4,5
CCU-4	CLG.MTD.	SECURITY OFFICE	TPLFYP012FM140A	TRANE	395	1.0	1	12	208	1			1,2,3,4,5
CCU-5	CLG.MTD.	VESTIBULE #70	TPLFYP008FM140A	TRANE	315	0.8	0.67	8	208	1	0.28	15	1,2,3,4,5
CCU-6	CLG.MTD.	VESTIBULE #182	TPLFYP012FM140A	TRANE	395	1.0	1	12	208	1			1,2,3,4,5

~~NOTES:~~
1. UNIT SHALL INCLUDE FACTORY FILTER BOXES.
2. REFER TO FAN COIL HANGING DETAIL FOR ADDITIONAL INFORMATION.
3. UNITS SHALL BE FURNISHED WITH FACTORY BACNET CARD.
4. PROVIDE FACTORY CONDENSATE PUMP FOR EACH FAN COIL CONNECTED TO UNIT POWER.
5. REFER TO PIPING DIAGRAM FOR DX PIPE SIZES.

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KEY PLAN

FULLER D'ANGELO P.C. ARCHITECTS PLANNERS
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TEL. 914.592.2444 FAX. 914.592.1717
LFG LANDMARK FACILITIES GROUP, INC.
252 East Avenue Norwalk, CT 06855 (203) 866-6601 Tel (203) 866-0819 Fax

LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER: 48-06-01-06-0-001-026

PROJECT TITLE: BREWSTER CENTRAL SCHOOL DISTRICT C.V. STARR INTERMEDIATE SCHOOL RENOVATION & ADDITION INTERIOR RENOVATIONS & ADDITION TO EXISTING 20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE: MECHANICAL SCHEDULES

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42" | DRAWING NO.: CVS M300
SCALE: AS NOTED
DRAWN BY: LFG | FILE NO.: 23505.02

PLOT DATE: December 02, 2024 - 5:53pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 – Cafetorium\ACAD\Mechanical\CVS PKG2_M-300.dwg

KITCHEN COOLER/FREEZER EQUIP.

CONDENSING UNIT ITEM #	SYSTEM	FIXTURES: ITEM #	DESCRIPTION	TEMP °F: FIXT.	SUCT.	REQ'D FIXTURE BTU/H	REFRIG. R-	CONDENSING UNIT: COMPRESSOR: MODEL NO.	H.P.	RATING @ 60 HZ: RLA	V	PH	BTU CAP @ AMB °F 90	TYPE	REC. CAP. (lbs)	EVAPORATOR COILS: ITEM #	MODEL NO.	QTY	FAN MOTORS @ 60 HZ: RLA	V	PH	HEATERS @ 60 HZ: RLA	V	PH	DEFR. TYPE	DEFROST CONTROLLER TYPE	CONTROLLER QTY	ACCESSORIES: TSTAT	SOL. VALVE	EXP. V.LV.	REFRIGERANT LINE SIZES (IN): SUCT.	LIQUID	LINE RUN (FT)	TYPE	TOTAL SYSTEM LOAD	MCA	MOPD
CU-1	A	-	WALK-IN COOLER	35	25	9762	448A	PCM009ZCT3A	0.9	5.2	208	3	10200	Z	8.0	EV-1	BEL0095	1	1.8	115	1	-	-	-	O.C.	ECOSMART	1	F	F	EF	5/8	3/8	100	M	5.2	15.0	15
CU-2	B	-	WALK-IN FREEZER	-10	-20	10964	448A	PCL0352ZCT3A	3.5	11.9	208	3	11600	Z	15.0	EV-2	BEL0130	1	1.5	208	1	13.7	208	1	ELEC	ECOSMART	1	F	F	EF	1-1/8	1/2	100	M	11.9	20.0	25
ALL EVAPORATOR COILS WILL REQUIRE A HOUSE POWER SUPPLY																																					

NOTE:
IT IS THE INSTALLING CONTRACTORS RESPONSIBILITY TO FOLLOW ALL APPLICABLE CODES AND CURRENT REFRIGERATION INDUSTRY STANDARDS AND PRACTICES WHEN DETERMINING LINE SIZES, AND INSTALLING AND STARTING UP RDT EQUIPMENT.

COMPRESSOR TYPE
Z SCROLL
H HERMETIC
S SEMI-HERMETIC
D DISCUS

DEFROST TYPE
O.C. OFF CYCLE
ELEC ELECTRIC

LINE TYPE
M MAIN
B BRANCH
T TRUNK

EVAPORATOR ACCESSORIES
EF EEV FACTORY EQUIPPED ON EVAP
TF TXV FACTORY EQUIPPED ON EVAP
F FACTORY EQUIPPED ON EVAP
O PROVIDED BY OTHERS
L LOOSE (FIELD INSTALLATION)

VARIABLE AIR VOLUME (VAV) BOX SCHEDULE

UNIT TAG	MAKE/MODEL	SERVED BY:	SERVES	UNIT SIZE	INLET SIZE	UNIT L x W x H	PRIMARY AIR: MAX (CFM)	MIN (CFM)	HOT WATER COIL: EWT/LWT	EAT/LAT	MBH	GPM	P.D.	ROWS	SUPPLY AIR FAN: CFM	E.S.P.	
VAV 1-1	PRICE/FDC	(E)ERU-1	CLASSROOM #1	30	10ø	110 X 26 X 18.5	1200	360	140/120	55.0/92.8	33.80	3.72	.25	2	1200	.2"	
VAV 1-2A	PRICE/FDC	(E)ERU-1	CLASSROOM #2A	10	6ø	105 X 20 X 15.25	520	156	140/120	55.0/90.6	13.40	1.48	.19	2	520	.2"	
VAV 1-2B	PRICE/FDC	(E)ERU-1	CLASSROOM #2B	10	6ø	105 X 20 X 15.25	520	156	140/120	55.0/90.6	13.40	1.48	.19	2	520	.2"	
VAV 1-3	PRICE/FDC	(E)ERU-1	CORRIDOR C5, (E) CORR., & (E) OFFICE	10	8ø	85.5 X 20 X 15.25	715	214	140/120	55.0/87.2	15.80	1.74	.32	2	715	.2"	
VAV 1-4	PRICE/FDC	(E)ERU-1	CLASSROOM #3	40	10ø	110 X 26 X 18.5	1380	414	140/120	66.9/91.5	36.80	4.06	.32	2	1380	.2"	

NOTES
1. PROVIDE UNITS WITH NON-FUSED DISCONNECT SWITCH.
2. PROVIDE 120-24 VAC. TRANSFORMER.
3. PROVIDE DISCHARGE AIR TEMP SENSOR DOWNSTREAM OF HOT WATER COIL FOR ALL UNITS.

(UN-HEATED) AIR CURTAIN SCHEDULE

TAG	QUANTITY	SERVICE	TYPE	MFG	MODEL	AIR FLOW (CFM)	MAX. VEL. (FPM)	AVG. VEL. (FPM)	POWER RATING (kW)	HP	AMPS PER CIRCUIT	BREAKER RATING	VOLTAGE	NET WT. (lbs)
UAC-1	1	KITCHEN	CLG. MTD.	BERNER	SLC07-1072A	2,031	2,913	1,725	0.32	1/5	3.4	15	120/1/60	56

NOTES:
1. FURNISH FACTORY DISCONNECT SWITCHES TO BE INSTALLED BY ELECTRICAL CONTRACTOR.

EXHAUST FAN SCHEDULE

ALT

TAG	QUANTITY	SERVICE	TYPE	MFG	MODEL	AIR FLOW (CFM)	STATIC PRESS. (IN. H20)	RPM	WATTS	HP	MAX. AMPS	VOLTAGE
KX-1	1	KITCHEN EXH. HOOD	ROOF MTD.	CAPTIVEAIRE	DU180HFA	3000	1.63	1308	-	3.0	-	208/3/60
EF-1	1	ELEVATOR (ALT.#2)	ROOF MTD.	LOREN COOK	90C17DL (VF)	250	0.2	1172	14	.05	-	115/1/60

NOTES:
1. FURNISH FACTORY DISCONNECT SWITCHES TO BE INSTALLED BY ELECTRICAL CONTRACTOR.
2. FURNISH FACTORY SPEED CONTROLLER FOR FANS. BALANCE CONTRACTOR SHALL USE CONTROLLER TO SET SPEED TO MATCH AIRFLOW SPECIFIED ON PLANS.
3. PROVIDE BACK-DRAFT DAMPER ACCESSORY.
4. FURNISH WITH FACTORY PROVIDED 24" TALL ROOF MOUNTING CURB.
6. KITCHEN EXHAUST FAN SHALL BE PROVIDED WITH CONTAINMENT CURB WITH GREASE CUP BY MANUFACTURER.

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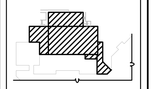

KEY PLAN

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(203) 866-8019 Fax

LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-05-01-06-0-001-026

PROJECT TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR
RENOVATIONS & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

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MECHANICAL SCHEDULES

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FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 - Cafetorium\ACAD\Mechanical\CVS PKG2_M-300.dwg

GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. CONTRACTOR SHALL FURNISH ALL NECESSARY OUTLETS, SUPPORTS, FITTINGS AND ACCESSORIES TO FULFILL APPLICABLE CODES, REGULATIONS, BUILDING STANDARDS AND THE BEST PRACTICES OF THE TRADE FOR FIRST CLASS ELECTRICAL INSTALLATION.
2. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALED DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND ELEVATION OF ALL ELECTRICAL EQUIPMENT SHALL BE COORDINATED IN FIELD WITH RESPECTIVE CONTRACTOR/OWNER.
3. FEEDERS AND BRANCH CIRCUITRY SHALL BE RUN IN CONDUIT MINIMUM 3/4" CONDUIT UNLESS OTHERWISE NOTED. FINAL CONNECTIONS TO MOTORS MAY BE DONE WITH FLEXIBLE METALLIC CONDUIT (NO LONGER THAN 18"). IN UNFINISHED AREA CONDUIT SHALL BE RUN EXPOSED AND IN FINISHED AREAS CONDUIT SHALL BE RUN CONCEALED.
4. PROVIDE PANEL NAME PLATE MADE OF BLACK LAMINATED PLASTIC WITH WHITE ENGRAVED LETTERING AND TYPE WRITTEN DIRECTORY FOR ALL NEW PANELBOARDS.
5. ALL CONDUCTORS SHALL BE COPPER, TYPE THHN/THWN INSULATED. ALL CONDUCTORS SHALL HAVE 600 VOLT RATED INSULATION UNLESS OTHERWISE NOTED.
6. PROVIDE LOCK–ON CIRCUIT BREAKERS FOR CIRCUITS SERVING EXIT SIGN FIXTURES.
7. REFER TO ARCHITECT'S REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED LIGHTING FIXTURES AND OTHER CEILING INSTALLED ITEMS.
8. THE USE OF FLEXIBLE CONDUIT FROM LIGHTING FIXTURES TO JUNCTION BOX IS PERMITTED ONLY WHEN A SEPARATE GROUND WIRE IS INSTALLED WITH THE CONDUCTORS INSIDE FLEXIBLE CONDUIT. THE GROUND WIRE MUST BOND THE FIXTURE HOUSING TO THE JUNCTION BOX. MAXIMUM LENGTH 6'–0".
9. EXACT LOCATION AND MOUNTING HEIGHTS OF ALL WIRING DEVICES SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO THE INSTALLATION.
10. WALL MOUNTED EQUIPMENT (SWITCHES, RECEPTACLES, ETC.,) SHALL BE SURFACE MOUNTED IN UNFINISHED AREAS AND FLUSH MOUNTED IN FURNISHED AREAS.
11. CONDUIT RUNS SHALL BE PARALLEL WITH OR AT RIGHT ANGLES TO WALLS AND CEILINGS. CONDUIT SHALL BE SUPPORTED BY APPROVED MEANS. SUPPORTS FOR HORIZONTAL RUNS OF CONDUIT SHALL NOT EXCEED SEVEN FEET ON CENTERS.
12. PROVIDE PULL BOXES, JUNCTION BOXES, CONDUIT ELBOWS AND OFFSETS TO SUIT FIELD CONDITIONS AND THE NATIONAL ELECTRICAL CODE.
13. CONTRACTOR SHALL COORDINATE WITH THE FIRE DEPARTMENT AND F.A. VENDOR BEFORE PROCEEDING WITH WORK INVOLVING FIRE ALARM SYSTEM.
14. ALL EMPTY CONDUIT SHALL BE PROVIDED WITH A DRAGWIRE.
15. THE MINIMUM WIRE SIZE FOR 120 VOLT BRANCH CIRCUITS SHALL BE NO. 12 AWG, EXCEPT OVER 100' IN LENGTH SHALL BE NO. 10 AWG. CONTRACTOR SHALL COORDINATE WITH ENGINEER FOR ANY REQUIRED UPSIZING OF ALL BRANCH CIRCUITS OVER 100' LENGTH TO DETERMINE ADEQUATE WIRE AND CONDUIT SIZE REQUIRED.
16. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES (EX. CONNECTORS, ADAPTERS, BUSHINGS, CLAMPS, ETC.) TO FACILITATE COMPLETE INSTALLATION.
17. THE ELECTRICAL CONTRACTOR SHALL CONFIRM THE CONFIGURATION TYPE FOR ALL SPECIAL RECEPTACLES FOR COPIERS, DATA PROCESSING EQUIPMENT. ETC. WITH OWNER AND ENGINEER PRIOR TO ORDERING.
18. COORDINATE LOCATION OF ALL MECHANICAL EQUIPMENT WITH HVAC CONTRACTOR IN FIELD. FUSES FOR ALL MOTOR LOADS SHALL BE DUAL ELEMENT TIME DELAY TYPE.
19. ALL JUNCTION OR OUTLET BOXES SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO COVER. PROVIDE ARCHITECT APPROVED ACCESS DOORS OR PLATES AS REQUIRED IN AREAS WHERE UNOBSTRUCTED ACCESS TO BOX OR OUTLET IS NOT POSSIBLE.
20. PRIOR TO ORDERING LIGHTING FIXTURES, COORDINATE WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. IF DISCREPANCIES EXIST BETWEEN ARCHITECTURAL AND ENGINEERING INFORMATION OBTAIN CLARIFICATION PRIOR TO PROCEEDING.
21. MULTIPLE SWITCHES SHOWN IN SAME LOCATION SHALL BE GANGED TOGETHER WITH A COMMON FACEPLATE.
22. ALL LIGHTING FIXTURES UTILIZING ELECTRONIC BALLASTS SHALL BE PROVIDED WITH A DEDICATED NEUTRAL OR AN OVERSIZED NEUTRAL WHEN SHARED.
23. PREPARE 'AS–BUILT' TRACINGS SHOWING ALL CHANGES IN WIRE SIZE, CIRCUIT NUMBERING, CIRCUIT ROUTING, EQUIPMENT LOCATIONS AND ALL ELECTRICAL WORK AS ACTUALLY INSTALLED.
24. LIGHT FIXTURES SHALL BE CONSTRUCTED TO SUIT PARTICULAR TYPE OF CEILING AND WALL CONSTRUCTION AND SHALL BE PROVIDED WITH APPROPRIATE TRIMS, MOUNTING FRAMES AND ADAPTERS AS REQUIRED.
25. COORDINATE WITH MECHANICAL CONTRACTOR BEFORE THE START OF ANY WORK FOR ALL STARTERS REQUIRED BEING INTERFACED WITH ALL MECHANICAL EQUIPMENT. STARTER WILL BE FURNISHED BY OTHERS. IT SHALL BE INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR.
26. ALL WORK SHALL CONFORM BUILDING STANDARDS, AND WHERE REQUIRED SHALL BE SUBMITTED TO APPROPRIATE AGENCIES AND PUBLIC JURISDICTIONS FOR INSPECTION AND APPROVAL.
27. PROOF OF INSPECTION, AND APPROVAL OF SHOP DRAWINGS, OPERATING AND MAINTENANCE MANUALS, VALVE SCHEDULES, AND ALL OTHER PERTINENT INFORMATION SHALL BE FILED WITH THE BUILDING OWNER PRIOR TO ACCEPTANCE OF WORK.
28. THE LOCATION OF PIPING, DUCTS, CONDUITS, OR OTHER EQUIPMENT OUTSIDE OF THIS FLOOR SHALL BE REVIEWED TO LIMIT WORK AND MINIMIZE THE DISTURBANCE TO OTHER TENANTS.
29. BUILDING OWNER APPROVAL SHALL BE OBTAINED PRIOR TO UTILITIES SHUT DOWN.
30. DEPARTMENT OF BUILDINGS APPROVAL SHALL BE OBTAINED, AND ISSUED PERMITS ON SITE PRIOR TO COMMENCEMENT OF ANY WORK.
31. IT IS THE INTENT THAT THE FOREGOING WORK SHALL BE COMPLETE IN EVERY RESPECT AND THAT ANY MATERIAL OR WORK NOT SPECIFICALLY MENTIONED OR SHOWN ON THE DRAWINGS, BUT NECESSARY TO FULLY COMPLETE THE WORK SHALL BE PROVIDED.
32. ALL EXPOSED CONDUIT TO BE LOCATED IN FIELD WITH OWNER PRIOR TO INSTALLATION.
33. ALL EXPOSED CONDUIT TO BE PAINTED. VERIFY COLOR WITH OWNER.
34. ALL ELECTRICAL ROUGH–IN: EQUIPMENT LAYOUT TO BE VERIFIED IN FIELD WITH OWNER PRIOR TO INSTALLATION.
35. USE LIGHTING PLAN FOR CIRCUITING ONLY. CONTRACTOR TO USE FINISH RCP PLAN FOR LIGHT FIXTURE SPECS. COUNT AND LOCATION.
36. DATA PORT INDICATED ON POWER PLANS IS FOR REFERENCE ONLY. CONTRACTOR TO USE FINISH LOW VOLTAGE PLANS & NOTES FOR SPEC'S, COUNT, LOCATION AND INSTALLATION.

ELECTRICAL LEGEND

- SIMPLEX ELECTRICAL OUTLET. NUMBER INDICATES CIRCUIT NUMBER.
- GFI — SIMPLEX ELECTRICAL OUTLET. NUMBER INDICATES CIRCUIT NUMBER AND "GFI" INDICATES GROUND FAULT INTERRUPT. WHERE DEDICATED CIRCUIT IS SHOWN VERIFY WITH ARCHITECT APPROPRIATE NEMA VOLTAGE AND AMPERAGE RATING.
- DUPLEX ELECTRICAL OUTLET. NUMBER INDICATES CIRCUIT NUMBER.
- GFI — DUPLEX ELECTRICAL OUTLET. NUMBER INDICATES CIRCUIT NUMBER AND "GFI" INDICATES GROUND FAULT INTERRUPT.
- QUAD ELECTRICAL OUTLET. NUMBER INDICATES CIRCUIT NUMBER AND "GFI" INDICATES GROUND FAULT INTERRUPT.
- COMBINATION FLUSH FLOOR DUPLEX ELECTRICAL OUTLET–VOICE/DATA DEVICE. NUMBER INDICATES CIRCUIT NUMBER.
- AV — COMBINATION WALL MOUNTED DUPLEX ELECTRICAL OUTLET–VOICE/DATA–AUDIO/VISUAL DEVICE. FSR #WB–X2 (LEGRAND PAC SERIES BACKBOX) OR EQUAL.
- SPECIALTY SIMPLEX ELECTRICAL OUTLET. NUMBER INDICATES CIRCUIT NUMBER. 15A, 208/240V, NEMA 6–15R, 20A, 208/240V, NEMA 6–20R. VERIFY WITH EQUIPMENT SPECIFICATIONS.
- VOICE DATA WALL OUTLET – MOUNTED 18"AFF UNLESS NOTED OTHERWISE PROVIDE BACK BOX, COVER PLATE & DRAG LINES, WITH 1" DIA. CONDUIT STUB–UP 6" ABOVE FINISHED CEILING AS REQUIRED. WIRING, JACKS & HOOK–UPS BY OTHERS.
- TELEPHONE WALL OUTLET – MOUNTED 18"AFF UNLESS NOTED OTHERWISE PROVIDE BACK BOX, COVER PLATE & DRAG LINES, WITH 1" DIA. CONDUIT STUB–UP 6" ABOVE FINISHED CEILING AS REQUIRED. WIRING, JACKS & HOOK–UPS BY OTHERS.
- TV — COAXIAL TELEVISION OUTLET – MOUNTED 18"AFF UNLESS NOTED OTHERWISE PROVIDE BACK BOX, COVER PLATE & DRAG LINES, WITH 1" DIA. CONDUIT STUB–UP 6" ABOVE FINISHED CEILING AS REQUIRED. WIRING, JACKS & HOOK–UPS BY OTHERS.
- WALL/CEILING JUNCTION BOX WITH 3/4" (U.O.N.) DIA. CONDUIT STUB–UP 6" ABOVE FINISHED CEILING.
- THERMAL SWITCH
- NEW PANELBOARD
- 30A — HEAVY DUTY TYPE NON–FUSED DISCONNECT SWITCH WITH FINAL FLEXIBLE EQUIPMENT CONNECTION. 30A INDICATES AMPERE RATING 'WP' WHERE USED INDICATES WEATHERPROOF ENCLOSURE (NEMA 3R).
- NEW CEILING MOUNTED SPEAKER
- CEILING MOUNTED WIRELESS ACCESS POINT
- WALL MOUNTED SECURITY CARD READER
- NEW RECESSED DOWNLIGHT 277V. WEATHERPROOF FOR EXTERIOR.
- NEW CEILING MOUNTED LAY–IN 2X2 LIGHT FIXTURE 277V
- NEW CEILING MOUNTED LAY–IN 2X4 LIGHT FIXTURE 277V
- NEW RECESSED LINEAR LIGHT FIXTURE 277V (EM – FURNISH AND INSTALL 90 MINUTE EMERGENCY BATTERY OPTION)
- CEILING MOUNTED LED EXIT SIGN 120V. LUMAPRO OR EQUAL. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- NEW EMERGENCY LIGHTING WALL PACK
- NEW EXTERIOR EMERGENCY LIGHTING WALL PACK
- PC — PHOTOCELL FOR EXTERIOR LIGHTING CONTROL
- D — DUAL (ULTRASONIC AND PASSIVE INFRARED) WALL SWITCH OCCUPANCY SENSOR AUTO/MANUAL CONTROL WITH 1 BUTTON. HUBBELL#AD1277W1. COLOR TO BE WHITE.
- CEILING MOUNTED DUAL TECHNOLOGY (COMBINE PASSIVE INFRARED AND ULTRASONIC) OCCUPANCY SENSOR. WATTSTOPPER DT–300–BZ150.
- DIM 3 — FLUSH WALL MOUNTED LIGHTING CONTROL SWITCH. 3 DENOTES 3–WAY LIGHTING CONTROL SWITCH. DIM DENOTES DIMMING CONTROL SWITCH.
- GFI — GROUND FAULT INTERRUPTER
- WP — WEATHERPROOF
- KP–2 #33 — HOME RUN TO DESIGNATED PANEL AND CIRCUIT #

LIGHT FIXTURE LEGEND

TAG	DESCRIPTION	EQUIVALENT MANUFACTURERS AND CATALOG NUMBER	WATTAGE OR LAMPS	REMARKS
"A","A1"	SUSPENDED LED LIGHT FIXTURE	LUMENWERX VA4AR–D–HLO–FH–SW–80CRI–500LMF–35K–60–UNV–D1 –1C–W	CONTINUOUS LED	
"B","B1"	SUSPENDED LED LIGHT FIXTURE	LUMENWERX MP4113–CURV2PPAT–DI–HLO–HLO–QUADRO–7WF–LMF –72FT3.1IN–2R60A90–2R72A90–2R72A180–NA–NA–RDMX –1C–MOUNTING–CF(BLUE)	CONTINUOUS LED	
"C"	CEILING MOUNTED 2X2 LED LIGHT FIXTURE	WILLIAMS MCT–D–22–L65–835–AL–F–AF125–DIM–UNV	50.2W LED	
"D"	CEILING MOUNTED SQUARE LED LIGHT FIXTURE	USAI B4SGF–45–33C3–35KS–40–SF–WH–NC–UNV–D6E–CB27	33W LED	
"E"	CEILING MOUNTED SQUARE LED LIGHT FIXTURE	USAI B4SDF–12C3–35KS–50–SF–WH–NCSM–UNV–D6E–CB27	12W LED	
"F"	CEILING MOUNTED ROUND LED LIGHT FIXTURE	WILLIAMS RND–2–L45–835–FFA–DIM–UNV	56.6W LED	
"G"	CEILING MOUNTED 2X2 LED LIGHT FIXTURE	WILLIAMS LT–22–L39–835–AF–DIM–UNV	33.1W LED	
"H"	CEILING MOUNTED 2X4 LED LIGHT FIXTURE	WILLIAMS LT–24–L40–835–AF–DIM–UNV	32W LED	
"H1"	CEILING MOUNTED 2X4 LED LIGHT FIXTURE	WILLIAMS LT–24–L52–835–AF–DIM–UNV	37.2W LED	
"I"	EXTERIOR LED WALL PACK LIGHT FIXTURE	WILLIAMS VWPH–L30–70–40–T3–SLV–SDQL–PC–DIM–UNV	38W LED	
"J"	EXTERIOR WALL MOUNTED LED EGRESS LIGHT FIXTURE	LUMINAIRE LED AEL–48–MIN1–30W–40K–MVOLT–DP–SVH–PC	30W LED	
"J1"	EXTERIOR WALL MOUNTED LED EGRESS LIGHT FIXTURE	LUMINAIRE LED AEL–36–MIN1–10W–40K–MVOLT–DP–SVH–EMB310–PC	10W LED	
"K"	CEILING MOUNTED 1X4 LED LIGHT FIXTURE	WILLIAMS 39–4–L52–835–A–SS12–DIM–UNV	37.2W LED	
"K1"	CEILING MOUNTED 1X4 LED LIGHT FIXTURE	WILLIAMS 39–4–L30–835–A–SS12–DIM–UNV	22.8W LED	
"L"	WALL MOUNTED LED LIGHT FIXTURE	ENVOY LIGHTING EFL55–LED–4–3159–35K–OCC–I–BI–LEV	20W LED	
"L1"	WALL MOUNTED LED LIGHT FIXTURE	ENVOY LIGHTING EFL55–LED–2–3166–35K–OCC–I–BI–LEV	17W LED	
"M"	WALL MOUNTED SQUARE LED LIGHT FIXTURE	ALW CSU4–10–90–35–15–WW–05–90–35–15–DF–R–V01–GO	11.5W LED	
EXIT	WALL/CEILING MOUNTED COMBO EM LED EXIT SIGN WITH DIRECTIONAL INDICATORS WHERE SHOWN	COMPASS (HUBBELL) CELC OR EQUAL	4W LED MAX	

REFER TO ARCHITECTURAL DRAWINGS AND SUBMITTALS FOR ADDITIONAL INFORMATION, QUANTITIES AND SPECIFICATIONS.

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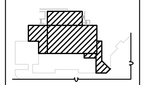

FULLER D'ANGELO P.C. ARCHITECTS PLANNERS
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LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION / INTERIOR RENOVATIONS & ATHLETIC FIELD WORK
237 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
ELECTRICAL NOTES & LEGEND

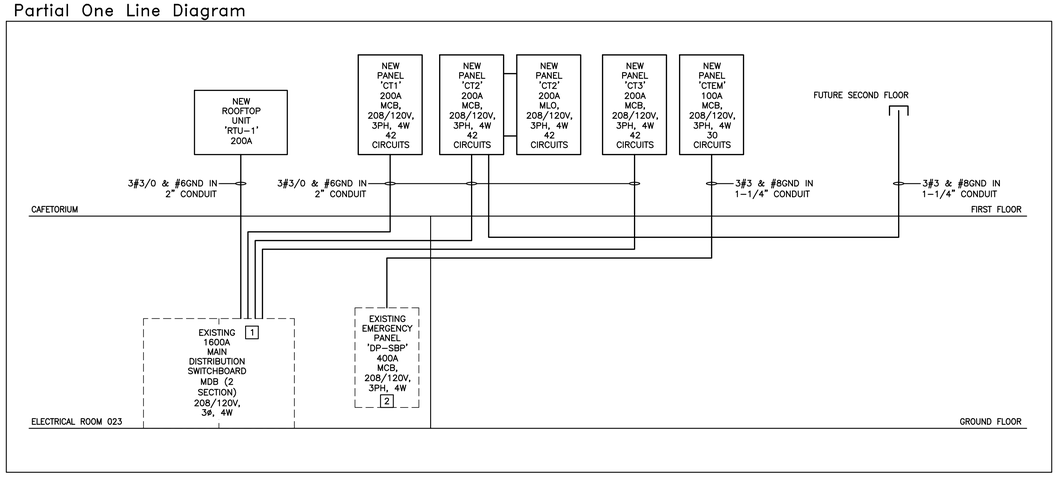
DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42" | DRAWING NO. CVS E001
SCALE AS NOTED
DRAWN BY LFG | FILE NO. 23505.02

PLOT DATE: December 02, 2024 – 2:28pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 – Cafetorium\ACAD\Electrical\CVS PKG2_E–001_E–002_E–003.dwg

Partial One Line Diagram



GENERAL NOTES:

1. PROVIDE MATCHING BRANCH CIRCUIT BREAKERS IN EXISTING PANELS FOR NEW LOADS AS SHOWN.
2. COORDINATE EXACT PATHS AND CONDUIT ROUTING WITH BUILDING MANAGEMENT'S RECOMMENDATIONS AND EXISTING ELECTRICAL CONDITIONS.

KEYED NOTES:

1 NEW (4) 200A, 208/120V, 3PH, 4W ELECTRIC SERVICE(S) FROM MAIN BUILDING DISTRIBUTION. UTILIZE EXISTING OR PROVIDE NEW 200A/3P CIRCUIT BREAKER(S) IN SWITCHGEAR AS REQUIRED.

2 PROVIDE NEW 100A/3P CIRCUIT BREAKER IN EXISTING PANEL "DP-SBP" FOR NEW CAFETORIUM EMERGENCY PANEL "CTEM" AS SHOWN.

PANEL SCHEDULE "CT1"

PANEL "CT1" — BUS 200 AMP MAIN CIRCUIT BREAKER — VOLTAGE 120/208V, 3PH, 4 WIRE
LOAD – — POLES 42
MOUNTING SURFACE — SPEC — AIC SYMM 10,000

DESCRIPTION	NOTE	WIRE	GRD.	COND.	TRIP	CKT.	KVA A PHASE	KVA B PHASE	KVA C PHASE	CKT.	TRIP	COND.	GRD.	WIRE	DESCRIPTION	NOTE
HP-1	1	8	10	3/4"	35A	1	2762	6485		2	70A	1 1/4"	8	4	RTU-2	1
						3			2762	6485						
						5				6						
MAU-1	1	12	12	1/2"	20A	7	721	3723		8	45A	1"	10	6	HP-2	1
						9		721	3723	10						
						11			721	3723	12					
ERV-1	1	12	12	1/2"	20A	13	541	1141		14	20A	1/2"	12	12	KX-1	1
						15		541	1141	16						
ERV-2	1	12	12	1/2"	20A	17			1082	1141	18					
						19	1082	458		20	20A	1/2"	12	12	FCU-1, FCU-4, BCC-1	1
FCU-2,3, BCC-2	1	12	12	1/2"	20A	21		354	458	22						
						23			354	146	24	20A	1/2"	12	12	CCU-1,2,3,5,6	1
ERV-3	1	12	12	1/2"	20A	25	541	146		26						
						27		541	924	28	20A	1/2"	12	12	FCU-5,6, CCU-4	1
HOT WATER HEATER (PILOT CIRCUIT)		12	12	1/2"	20A	29			600	924	30					
RECIRCULATION PUMP		12	12	1/2"	20A	31	180	408		32	20A	1/2"	12	12	UAC-1 (AIR CURTAIN)	1
SPARE		12	12	1/2"	20A	33		XXX	XXX	34	20A	1/2"	12	12	SPARE	
SPARE		12	12	1/2"	20A	35			XXX	XXX	36	20A	1/2"	12	12	SPARE	
SPACE						37	XXX	XXX		38					SPACE	
SPACE						39		XXX	XXX	40					SPACE	
SPACE						41			XXX	XXX	42				SPACE	
					SUBTOTAL		18186		17650	17938						
					TOTAL DESIGN LOAD		53774	va	149.3	amps						
					TOTAL CONNECTED LOAD		53774	va	149.3	amps						

$\left(\frac{XXX\ KVA}{208V * \sqrt{3}}\right)$ = AMPERES

ALT: 90A/3P 3#3 & 1#8G 1-1/4"C.

PANEL SCHEDULE "CT2" SECT. 1

PANEL "CT2" — BUS 200 AMP MAIN CIRCUIT BREAKER — VOLTAGE 120/208V, 3PH, 4 WIRE
LOAD – — POLES 42
MOUNTING SURFACE — SPEC PROVIDE FEED THRU LUGS — AIC SYMM 10,000

DESCRIPTION	NOTE	WIRE	GRD.	COND.	TRIP	CKT.	KVA A PHASE	KVA B PHASE	KVA C PHASE	CKT.	TRIP	COND.	GRD.	WIRE	DESCRIPTION	NOTE
WP/GFI RECEPT ON ROOF	4	12	12	1/2"	20A	1	540	2882		2	40A	3/4"	10	8	ELEVATOR (ALT)	5
LOW VOLTAGE MOTORIZED DAMPERS		12	12	1/2"	20A	3		200	2882	4						
FIRE SHUTTER DOOR	2	12	12	1/2"	20A	5			240	2882	6					
FIRE ALARM BOOSTER POWER SUPPLY	2	12	12	1/2"	20A	7	240	60		8	20A	1/2"	12	12	EF-1 (ALT)	1
ELEVATOR PIT LIGHTING, RECEPT		12	12	1/2"	20A	9		400	1440	10	20A	1/2"	12	12	LIFT	5
TELESCOPING SEATING		12	12	1/2"	20A	11			300	300	12	20A	1/2"	12	12	MOTORIZED PARTITION
						13	300	300		14						
						15		300	300	16						
A/V RACK		12	12	1/2"	20A	17			500	240	18	20A	1/2"	12	12	MOTORIZED PARTITION CONTROLS
LIGHTING RACK		12	12	1/2"	20A	19	500	620		20	20A	1/2"	12	12	PROJECTOR (SCREEN)	
SOUND SYSTEM		12	12	1/2"	20A	21		500	240	22	20A	1/2"	12	12	MAGNETIC DOOR HOLD OPEN DEVICES	
AOR SYSTEM COMMAND PANEL		12	12	1/2"	20A	23			120	540	24	20A	1/2"	12	12	RECEPTACLES
MONITOR/WALL DISPLAY		12	12	1/2"	20A	25	500	540		26	20A	1/2"	12	12	RECEPTACLES
DOOR ENTRY SYSTEM	2	12	12	1/2"	20A	27		500	540	28	20A	1/2"	12	12	RECEPTACLES
FOOD PROTECTOR(S) (E-65)	2	12	12	1/2"	20A	29			120	852	30	20A	1/2"	12	12	COLD FOOD COUNTER (E-64)
FOOD PROTECTOR(S) (E-65)	2	12	12	1/2"	20A	31	120	240		32	20A	1/2"	12	12	CASHIER COUNTER (E-67)	4
ICE CREAM CASE (E-68)		12	12	1/2"	20A	33		420	240	34	20A	1/2"	12	12	CASHIER COUNTER (E-67)	4
ICE CREAM CASE (E-68)		12	12	1/2"	20A	35			420	240	36	20A	1/2"	12	12	GAS SHUTOFF VALVE	2
FUTURE SECOND FLOOR		3	8	1 1/4"	100A	37	XXX	240		38	20A	1/2"	12	12	HEAT TRACE TAPE	2
						39		XXX	XXX	40					SPACE	
						41			XXX	XXX	42				SPACE	
					SUBTOTAL		7082		7962	6754						
					TOTAL DESIGN LOAD		21798	va	60.5	amps						
					TOTAL CONNECTED LOAD		21798	va	60.5	amps						

$\left(\frac{XXX\ KVA}{208V * \sqrt{3}}\right)$ = AMPERES

PANEL SCHEDULE "CTEM"

PANEL "CTEM" — BUS 100 AMP MAIN CIRCUIT BREAKER — VOLTAGE 120/208V, 3PH, 4 WIRE
LOAD – — POLES 42
MOUNTING SURFACE — SPEC — AIC SYMM 10,000

DESCRIPTION	NOTE	WIRE	GRD.	COND.	TRIP	CKT.	KVA A PHASE	KVA B PHASE	KVA C PHASE	CKT.	TRIP	COND.	GRD.	WIRE	DESCRIPTION	NOTE
CU-2 (ITEM 5)	1	12	12	1/2"	20A	1	1429	624		2	20A	1/2"	12	12	CU-1 (ITEM 11)	1
						3		1429	624	4						
						5			1429	624	6					
EV-2 (ITEM 5)	2	12	12	1/2"	20A	7	1581	216		8	20A	1/2"	12	12	EV-1 (ITEM 11)	2
						9		1581	1872	10	30A	1/2"	10	10	DUPLEX EJECTOR PUMPS	
ELEVATOR SUMP PUMP	4	12	12	1/2"	20A	11			960	1872	12					
EMERGENCY LIGHTING	2	12	12	1/2"	20A	13	1865	81		14	20A	1/2"	12	12	EXIT SIGNS	2
EXTERIOR LIGHTING		12	12	1/2"	20A	15		644	XXX	16	20A	1/2"	12	12	EMERGENCY LOADS (FUTURE)	
EMERGENCY LOADS (FUTURE)		12	12	1/2"	20A	17			XXX	XXX	18	20A	1/2"	12	12	EMERGENCY LOADS (FUTURE)
EMERGENCY LOADS (FUTURE)		12	12	1/2"	20A	19	XXX	XXX		20	20A	1/2"	12	12	EMERGENCY LOADS (FUTURE)	
EMERGENCY LOADS (FUTURE)		12	12	1/2"	20A	21		XXX	XXX	22	20A	1/2"	12	12	SPARE	
SPARE		12	12	1/2"	20A	23			XXX	XXX	24	20A	1/2"	12	12	SPARE	
SPACE						25	XXX	XXX		26						SPACE
SPACE						27		XXX	XXX	28						SPACE
SPACE						29			XXX	XXX	30					SPACE
					SUBTOTAL		5778		6150	4885						
					TOTAL DESIGN LOAD		16813	va	46.7	amps						
					TOTAL CONNECTED LOAD		16813	va	46.7	amps						

$\left(\frac{XXX\ KVA}{208V * \sqrt{3}}\right)$ = AMPERES

PANEL SCHEDULE "CT2" SECT. 2

PANEL "CT2" — BUS 200 AMP MAIN LUG ONLY — VOLTAGE 120/208V, 3PH, 4 WIRE
LOAD – — POLES 42
MOUNTING SURFACE — SPEC FED FROM SECT. 1 — AIC SYMM 10,000

DESCRIPTION	NOTE	WIRE	GRD.	COND.	TRIP	CKT.	KVA A PHASE	KVA B PHASE	KVA C PHASE	CKT.	TRIP	COND.	GRD.	WIRE	DESCRIPTION	NOTE
LIGHTING		12	12	1/2"	20A	43	1492	1492		44	20A	1/2"	12	12	LIGHTING	
LIGHTING		12	12	1/2"	20A	45		1492	1492	46	20A	1/2"	12	12	LIGHTING	
LIGHTING		12	12	1/2"	20A	47			1492	1246	48	20A	1/2"	12	12	LIGHTING
LIGHTING		12	12	1/2"	20A	49	912	1722		50	20A	1/2"	12	12	LIGHTING	
LIGHTING		12	12	1/2"	20A	51		1876	1729	52	20A	1/2"	12	12	LIGHTING	
LIGHTING		12	12	1/2"	20A	53			721	1200	54	20A	1/2"	12	12	GFI RECEPTACLES/HAND DRYERS
GFI RECEPTACLES/HAND DRYERS		12	12	1/2"	20A	55	1600	1600		56	20A	1/2"	12	12	GFI RECEPTACLES/HAND DRYERS	
GFI RECEPTACLES		12	12	1/2"	20A	57		540	720	58	20A	1/2"	12	12	RECEPTACLES	
FLOOR RECEPTACLE		12	12	1/2"	20A	59			500	540	60	20A	1/2"	12	12	QUAD RECEPTACLES
RECEPTACLES		12	12	1/2"	20A	61	720	960		62	20A	1/2"	12	12	RECEPTACLES	
GFI RECEPTACLES		12	12	1/2"	20A	63		540	1440	64	20A	1/2"	12	12	GFI RECEPTACLES - WATER FOUNTAIN	
RECEPTACLES		12	12	1/2"	20A	65			960	540	66	20A	1/2"	12	12	QUAD RECEPTACLES
RECEPTACLES		12	12	1/2"	20A	67	540	540		68	20A	1/2"	12	12	QUAD RECEPTACLES	
RECEPTACLES		12	12	1/2"	20A	69		720	720	70	20A	1/2"	12	12	RECEPTACLES	
QUAD RECEPTACLES		12	12	1/2"	20A	71			540	540	72	20A	1/2"	12	12	QUAD RECEPTACLES
SPARE		12	12	1/2"	20A	73	XXX	XXX		74	20A	1/2"	12	12	SPARE	
SPARE		12	12	1/2"	20A	75		XXX	XXX	76	20A	1/2"	12	12	SPARE	
SPARE		12	12	1/2"	20A	77			XXX	XXX	78	20A	1/2"	12	12	SPARE
SPACE						79	XXX	XXX		80						SPACE
SPACE						81		XXX	XXX	82						SPACE
SPACE						83			XXX	XXX	84					SPACE
					SUBTOTAL		11578		11269	8279						
					TOTAL DESIGN LOAD		31126	va	86.4	amps						
					TOTAL CONNECTED LOAD		31126	va	86.4	amps						

$\left(\frac{XXX\ KVA}{208V * \sqrt{3}}\right)$ = AMPERES

PANEL SCHEDULE "CT3"

PANEL "CT3" — BUS 200 AMP MAIN CIRCUIT BREAKER — VOLTAGE 120/208V, 3PH, 4 WIRE
LOAD – — POLES 42
MOUNTING SURFACE — SPEC — AIC SYMM 10,000

DESCRIPTION	NOTE	WIRE	GRD.	COND.	TRIP	CKT.	KVA A PHASE	KVA B PHASE	KVA C PHASE	CKT.	TRIP	COND.	GRD.	WIRE	DESCRIPTION	NOTE
WALK-IN FREEZER (E-4)	2	12	12	1/2"	20A	1	1440	408		2	20A	1/2"	12	12	AIR CURTAIN (E-6)	2
WALK-IN COOLER (E-10)	2	12	12	1/2"	20A	3		1440	408	4	20A	1/2"	12	12	AIR CURTAIN (E-6)	2
OVEN-STEAMER (E-19)	5	12	12	1/2"	20A	5			1248	1248	6	20A	1/2"	12	12	OVEN-STEAMER (E-20)	5
						7	1248	1248		8						
CONVECTION OVEN (E-22)	5	12	12	1/2"	20A	9		1176	1176	10	20A	1/2"	12	12	CONVECTION OVEN (E-22)	5
STEAM KETTLE (E-24)	5	12	12	1/2"	20A	11			1200	12	12	20A	1/2"	12	12	GAS RANGE (E-25)	5
EXHAUST HOOD CONTROL PANEL	2	12	12	1/2"	20A	13	240	240		14	20A	1/2"	12	12	FIRE SUPPRESSION CONTROL PANEL	2
WAREWASHER (E-36)	2	6	10	1"	60A	15		5164	240	16	20A	1/2"	12	12	DRAIN KIT (FOR ITEM 36)	4
						17			5164	240	18	20A	1/2"	12	12	WORK TABLE (E-40)	4
						19	5164	240		20	20A	1/2"	12	12	WORK TABLE (E-43)	4
REFRIGERATOR (E-39)		12	12	1/2"	20A	21			1260	360	22	20A	1/2"	12	12	FOOD SLICER (E-45)	
WORK TABLE (E-46)	4	12	12	1/2"	20A	23			240	240	24	20A	1/2"	12	12	PREP TABLE (E-48)	4
REFRIGERATOR (E-51)		12	12	1/2"	20A	25	1260	1560		26	20A	1/2"	12	12	HEATED CABINET (E-52)	
REFRIGERATOR (E-53)		12	12	1/2"	20A	27		1224	1560	28	20A	1/2"	12	12	HEATED CABINET (E-52)	
REFRIGERATOR (E-53)		12	12	1/2"	20A	29			1224	240	30	20A	1/2"	12	12	WORK COUNTER (E-54)	4
MILK COOLER (E-59)		12	12	1/2"	20A	31	324	240		32	20A	1/2"	12	12	WORK COUNTER (E-55)	4
MILK COOLER (E-59)		12	12	1/2"	20A	33		324	1123	34	20A	1/2"	12	12	HOT FOOD COUNTER (E-60)	2
HOT FOOD COUNTER (E-60)	2	12	12	1/2"	20A	35			1123	1123	36					
						37	1123	120		38	20A	1/2"	12	12	FOOD PROTECTOR(S) (E-61)	2
FLAT TOP COUNTER (E-62)		12	12	1/2"	20A	39		240	120	40	20A	1/2"	12	12	FOOD PROTECTOR(S) (E-61)	2
FLAT TOP COUNTER (E-62)		12	12	1/2"	20A	41			240	852	42	20A	1/2"	12	12	COLD FOOD COUNTER (E-64)	
					SUBTOTAL		14855		15815	14394						
					TOTAL DESIGN LOAD		45064	va	125.1	amps						
					TOTAL CONNECTED LOAD		45064	va	125.1	amps						

$\left(\frac{XXX\ KVA}{208V * \sqrt{3}}\right)$ = AMPERES

1. PROVIDE HACR TYPE CIRCUIT BREAKERS
2. PROVIDE LOCKING CLIPS
3. VERIFY POWER REQUIREMENTS FOR ACTUAL EQUIPMENT BEFORE INSTALLATION
4. PROVIDE GFI CIRCUIT BREAKER
5. PROVIDE SHUNT TRIP CIRCUIT BREAKER (CONTROLLED BY ANSUL SYSTEM FOR KITCHEN)

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KEY PLAN

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LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE: BREWSTER CENTRAL SCHOOL DISTRICT C.V. STARR INTERMEDIATE SCHOOL CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND ATHLETIC TRACK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE: ELECTRICAL SCHEDULES

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42" — DRAWING NO. CVS E002
SCALE AS NOTED
DRAWN BY LFG — FILE NO. 23505.02

PLOT DATE: December 02, 2024 - 2:28pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 - Cafetorium\ACAD\Electrical\CVS PKG2_E-001_E-002_E-003.dwg

EQUIPMENT SCHEDULE

ITEM NO (E-#)	EQUIPMENT CATEGORY	QTY		HP	KW	AMPS (NOMINAL)	PLUG	DIRECT	VOLTS	PHASE	NEMA	MANUFACTURER	MODEL NUMBER	EQUIPMENT REMARKS
4	WALK-IN FREEZER	1				15.0		X	120	1		THERMAL RITE	CUSTOM	
5	REFRIGERATION TO ITEM #4	1				11.9		X	208	3		RDT POLARCRAFT	PCL035ZCT3A	COMPRESSOR UNIT
						15.2		X	208	1			BEL0130	EVAPORATOR COILS UNIT
6	AIR CURTAIN, UNHEATED	2		0.2	0.3	3.4	X		120	1	5-15P	BERNER	CLC08-1036A	
10	WALK-IN COOLER	1				15.0		X	120	1		THERMAL RITE	PCM009ZCT3A	
11	REFRIGERATION TO ITEM #10	1				5.2		X	208	3		RDT POLARCRAFT	BEL0095	COMPRESSOR UNIT
						1.8		X	120	1				EVAPORATOR COILS UNIT
19	OVEN-STEAMER, COMBI, GAS	1			0.9	12.0	X		208	1	6-20P	RATIONAL	ICP-6 FULL NG	C.W. PIPED FROM ITEM #17
20	OVEN-STEAMER, COMBI, GAS	1			0.9	12.0	X		208	1	6-20P	RATIONAL	ICP-6 FULL NG	C.W. PIPED FROM ITEM #17
22	OVEN, CONVECTION, GAS	1				9.8	X		120	1	5-15P	GARLAND	MCO-GS-20-ESS	
						9.8	X		120	1	5-15P			
24	KETTLE, STEAM JACKETED	1				10.0	X		120	1	5-15P	CLEVELAND RANGE	KGL-40-T	
25	RANGE, HEAVY DUTY, GAS	1				0.1	X		120	1	5-15P	GARLAND	MST44R-E	
26	EXHAUST HOOD, TYPE I	1	ALL DATA ON FANS, DUCTS, POWER, SWITCHES, ETC...			BY M.E.P.			3,000 C.F.M.			CAPTIVE AIRE	CUSTOM	
27	SUPPLY PLENUM, MAKE-UP AIR	1	ALL DATA ON FANS, DUCTS, POWER, SWITCHES, ETC...			BY M.E.P.			2,500 C.F.M.			CAPTIVE AIRE	CUSTOM	
29	EXHAUST HOOD, CONTROL PANEL	1				2.0		X	120	1		CAPTIVE AIRE	CUSTOM	
30	FIRE PROTECTION SYSTEM	1				2.0		X	120	1		CAPTIVE AIRE	UL-300 (R-102)	
36	DOOR-TYPE WAREWASHER, VENTLESS	1				46.0		X	208	3		CHAMPION INDUSTRIES	DH6000T-VHR	
						2.0	X		120	1	5-15P			DRAIN TEMPERING KIT
39	REFRIGERATOR, PASS-THRU	1				10.5	X		120	1	5-15P	UTILITY REFRIGERATOR	PT-R-30-SS-2S-2S-D	
40	ADA WORK TABLE W/ SINK	1				2.0	X		120	1	5-15R	IMC/TEDDY	CUSTOM	
43	WORK TABLE W/ SINK	1				2.0	X		120	1	5-15R	IMC/TEDDY	CUSTOM	
45	SLICER, FOOD	1		0.5		3.0	X		120	1	5-15P	GLOBE FOOD EQUIPMENT	G12A	
46	WORK TABLE	1				2.0	X		120	1	5-15R	IMC/TEDDY	CUSTOM	
48	2-COMPARTMENT, PREP. TABLE	1				2.0	X		120	1	5-15R	IMC/TEDDY	CUSTOM	
51	REFRIGERATOR, PASS-THRU	1				10.5	X		120	1	5-15P	UTILITY REFRIGERATOR	PT-R-30-SS-2S-2S-D	
52	CABINET, HEATED, ROLL-THRU	2			1.5	13.0	X		120	1	5-15P	UTILITY REFRIGERATOR	RTHC-30-SS-1S-1S-H	
53	REFRIGERATOR, ROLL-THRU	2		0.5		10.2	X		120	1	5-15P	UTILITY REFRIGERATOR	RTR-30-SS-1S-1S-H	
54	WORK COUNTER, STORAGE BASE	1				2.0	X		120	1	5-15R	IMC/TEDDY	CUSTOM	
55	WORK COUNTER, STORAGE BASE	1				2.0	X		120	1	5-15R	IMC/TEDDY	CUSTOM	
59	MILK COOLER	2				2.7	X		120	1	5-15P	TRUE MFG.	TMC-49-S-SS-HC	
60	HOT FOOD COUNTER	2				10.8	X		208	1	6-15P	LTI	SIM-TW-4-60	
61	FOOD PROTECTOR(S), ADJUSTABLE	2				1.0		X	120	1		PREMIER METAL & GLASS	TM2N-A	
62	FLAT TOP COUNTER	2				2.0	X		120	1	5-15R	LTI	SIM-ST-28	
64	COLD FOOD COUNTER	2		0.2		7.1	X		120	1	5-15P	LTI	SIM-TA-60	
65	FOOD PROTECTOR(S), ADJUSTABLE	2				1.0		X	120	1		PREMIER METAL & GLASS	TM2N-A	
67	CASHIER COUNTER	2				2.0	X		120	1	5-15R	LTI	SIM-CSE-28	
68	NOVELTY CASE, ICE CREAM	2		0.2		3.5	X		120	1	5-15P	BEVERAGE-AIR	NC43-1-W	

ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EQUIPMENT ELECTRICAL REQUIREMENTS WITH EXACT EQUIPMENT PROVIDED AND COORDINATE WITH EQUIPMENT SPECIFICATIONS PRIOR TO INSTALLATION. NOTIFY ENGINEER IF ELECTRICAL DEVICES AND FEEDER SIZES REQUIRE ADJUSTING TO SUIT ANY DISCREPANCIES.

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KEY PLAN

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LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

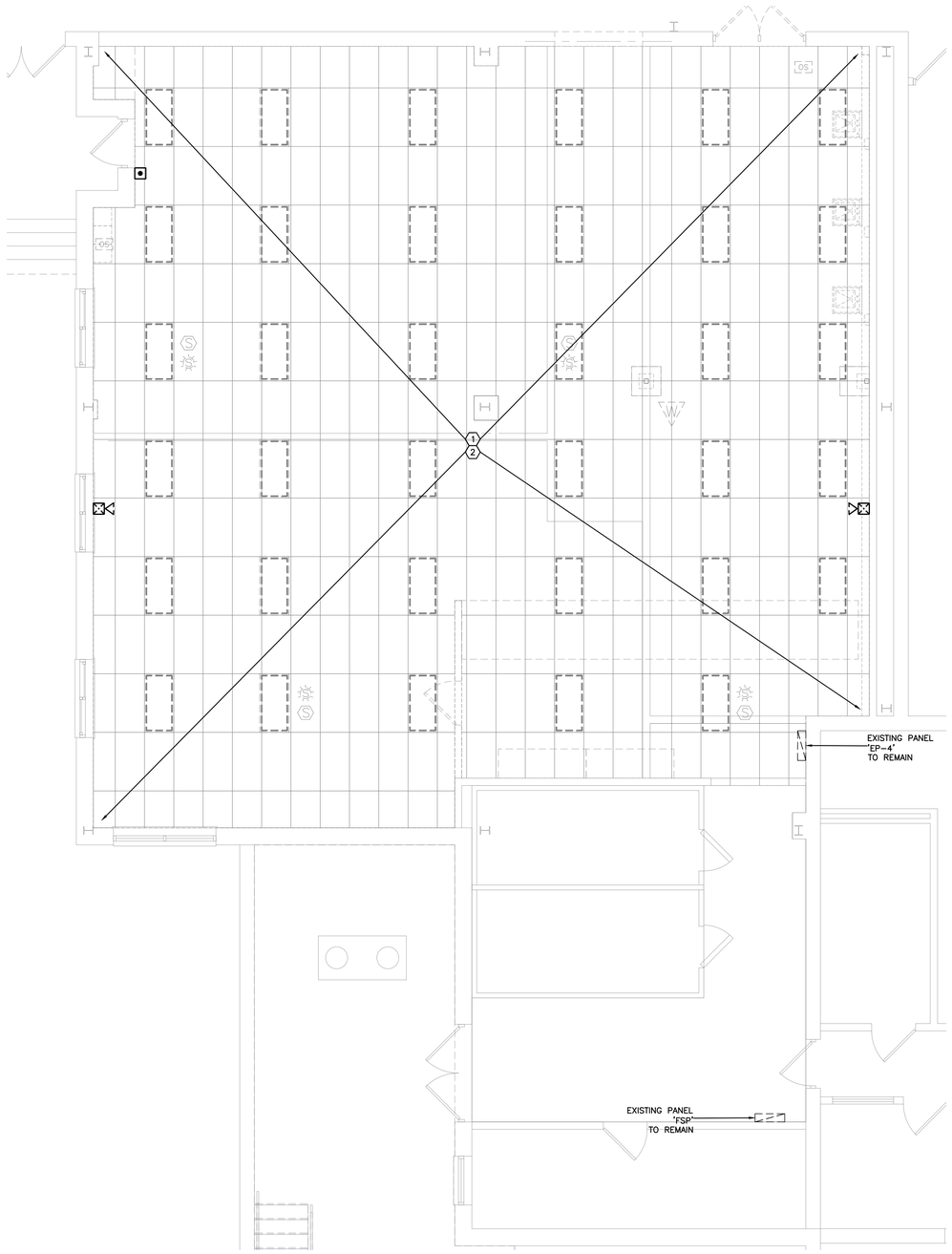
DRAWING TITLE
KITCHEN EQUIPMENT SCHEDULES

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS E003
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO.: 23505.02

PLOT DATE: December 02, 2024 - 2:29pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 - Cafetorium\ACAD\Electrical\CVS PKG2_E-001_E-002_E-003.dwg



1 ELECTRICAL LIGHTING AND POWER DEMO PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. ALL DEMOLITION WORK TO BE COORDINATED WITH BUILDING MANAGER TO AVOID DISTURBANCES TO OTHER OCCUPANTS. ALL DEMOLITION WORK TO BE DONE DURING THE HOURS DESIGNATED.
2. MAINTAIN STABLE AND SAFE CONDITIONS AT ALL TIMES, TAKING CAUTION TO PROTECT THE EXISTING AND ADJACENT BUILDINGS, THEIR OCCUPANTS, STREET FRONT AND THE PUBLIC.
3. DEMOLISHED MATERIAL, NOT IDENTIFIED FOR SALVAGE BY THE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE COMPLETELY REMOVED FROM THE JOB SITE.
4. PROVIDE PROTECTION TO ALL EXISTING ELECTRICAL, MECHANICAL, PLUMBING, AND SPRINKLER EQUIPMENT TO REMAIN.
5. COORDINATE WITH GENERAL CONTRACTOR TO REMOVE ALL ABANDONED ELECTRICAL CABLES FROM EXISTING LOCATIONS, TRACE BACK TO THEIR SOURCE AND TAG.
6. ALL LIFE SAFETY EQUIPMENT AND ASSOCIATED CONDUIT AND WIRING SHALL BE PROTECTED FROM ANY PHYSICAL DAMAGE DURING DEMOLITION AND/OR CONSTRUCTION UNLESS BEING REPLACED WITH NEW.
7. THE SCOPE OF THE DEMOLITION WORK HAS GENERALLY BEEN INDICATED ON THE DRAWING FOR CONTRACTORS INFORMATION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE FULL SCOPE, EXTENT, NATURE AND MANNER OF DEMOLITION REQUIRED.
8. ONLY WORKMEN SKILLED AND KNOWLEDGEABLE IN THEIR RESPECTIVE TRADES SHALL BE ENGAGED IN THE DEMOLITION OF ANY WORK.
9. CONTRACTORS SHALL TAKE SPECIAL CARE TO DEMOLISH ONLY THAT WORK WHICH IS REQUIRED TO BE DEMOLISHED AND NOT TO DISTURB ANY WORK WHICH IS TO REMAIN. IF IN THE COURSE OF DEMOLITION, CONTRACTOR DESTROYS OR DISTURBS ANY WORK WHICH IS TO REMAIN, THEN HE SHALL AT HIS OWN EXPENSE, REPAIR OR REPLACE SUCH WORK AS NECESSARY.
10. ALL PAINTING AND PATCHING FOR DEMOLITION NOTED ON DRAWINGS SHALL BE PERFORMED BY THE ELECTRICAL CONTRACTOR.
11. DO NOT SCALE DRAWINGS.

DEMOLITION CODED NOTES

(1) ELECTRICAL CONTRACTOR SHALL REMOVE ALL LIGHT FIXTURES, CEILING MOUNTED LIGHTING CONTROL DEVICES AND OTHER CEILING AND WALL MOUNTED ELECTRICAL DEVICES. ELECTRICAL CONTRACTOR SHALL REMOVE WIRING IN ROOM, BUT LEAVE HOMERUN FROM ROOM TO PANEL, AND WIRING FROM ROOM TO ROOM IF FOR REUSE. COORDINATE WITH GC FOR CEILING REMOVAL.

(2) ELECTRICAL CONTRACTOR SHALL REMOVE ALL FIRE ALARM DEVICES. ELECTRICAL CONTRACTOR SHALL RETAIN WIRING IN ROOM IF NECESSARY AND LEAVE HOMERUN FROM ROOM TO PANEL, AND WIRING FROM ROOM TO ROOM FOR REUSE. COORDINATE WITH GC FOR WALL REMOVAL.

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KEY PLAN N
SCALE: N.T.S.

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LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION INTERIOR
RENOVATIONS AND ALL RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

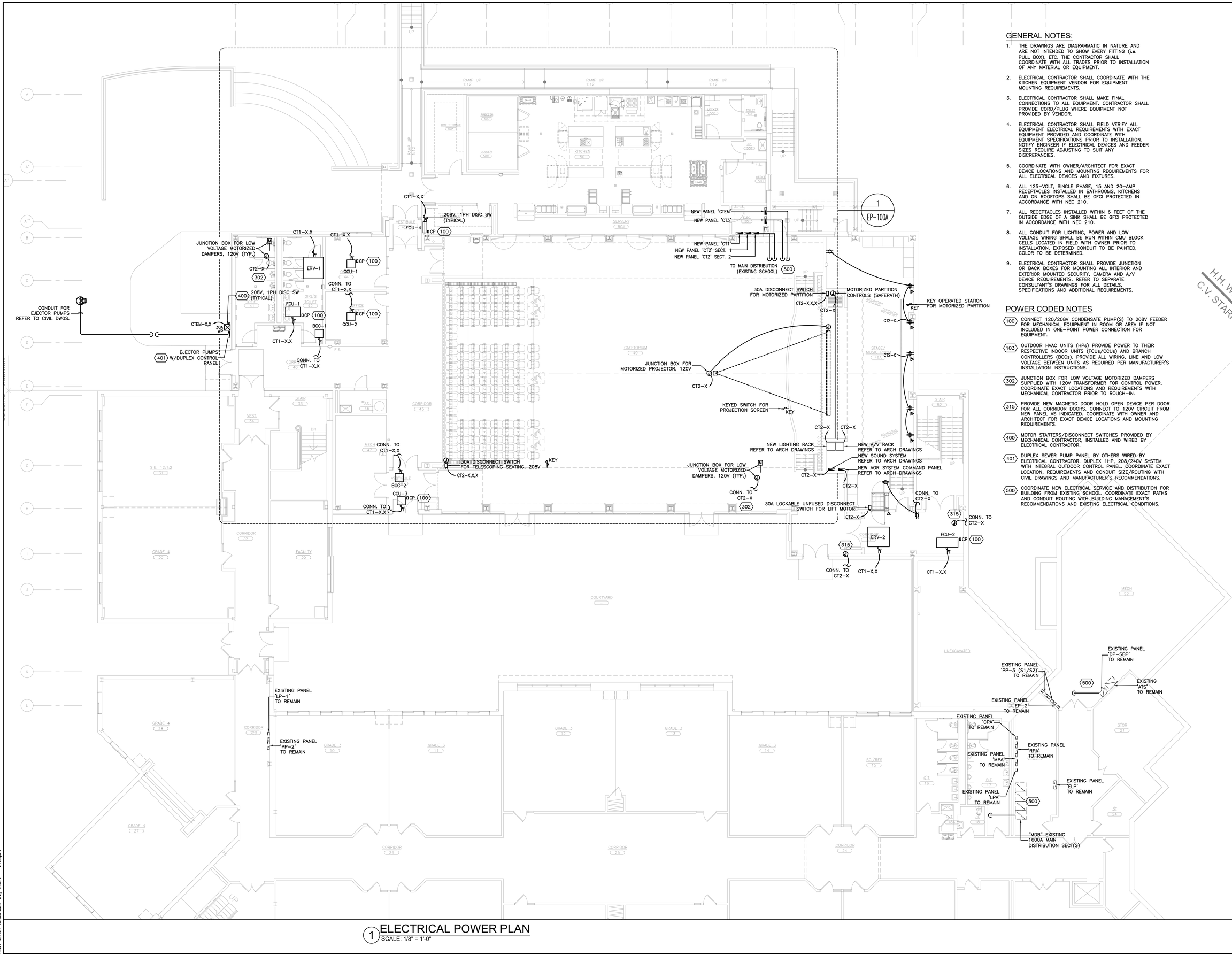
DRAWING TITLE
FIRST FLOOR
ELECTRICAL LIGHTING AND POWER
DEMO PLAN

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
SCALE: AS NOTED
DRAWN BY: LFG
DRAWING NO.: CVS ED101
FILE NO.: 23505.02

PLOT DATE: December 02, 2024 - 2:27pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 - Cafetorium\ACAD\Electrical\CVS PKG2_ED-101.dwg



GENERAL NOTES:

1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO SHOW EVERY FITTING (i.e. PULL BOX), ETC. THE CONTRACTOR SHALL COORDINATE WITH ALL TRADES PRIOR TO INSTALLATION OF ANY MATERIAL OR EQUIPMENT.
2. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE KITCHEN EQUIPMENT VENDOR FOR EQUIPMENT MOUNTING REQUIREMENTS.
3. ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ALL EQUIPMENT. CONTRACTOR SHALL PROVIDE CORD/PLUG WHERE EQUIPMENT NOT PROVIDED BY VENDOR.
4. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EQUIPMENT ELECTRICAL REQUIREMENTS WITH EXACT EQUIPMENT PROVIDED AND COORDINATE WITH EQUIPMENT SPECIFICATIONS PRIOR TO INSTALLATION. NOTIFY ENGINEER IF ELECTRICAL DEVICES AND FEEDER SIZES REQUIRE ADJUSTING TO SUIT ANY DISCREPANCIES.
5. COORDINATE WITH OWNER/ARCHITECT FOR EXACT DEVICE LOCATIONS AND MOUNTING REQUIREMENTS FOR ALL ELECTRICAL DEVICES AND FIXTURES.
6. ALL 125-VOLT, SINGLE PHASE, 15 AND 20-AMP RECEPTACLES INSTALLED IN BATHROOMS, KITCHENS AND ON ROOFTOPS SHALL BE GFCI PROTECTED IN ACCORDANCE WITH NEC 210.
7. ALL RECEPTACLES INSTALLED WITHIN 6 FEET OF THE OUTSIDE EDGE OF A SINK SHALL BE GFCI PROTECTED IN ACCORDANCE WITH NEC 210.
8. ALL CONDUIT FOR LIGHTING, POWER AND LOW VOLTAGE WIRING SHALL BE RUN WITHIN CMU BLOCK CELLS LOCATED IN FIELD WITH OWNER PRIOR TO INSTALLATION. EXPOSED CONDUIT TO BE PAINTED, COLOR TO BE DETERMINED.
9. ELECTRICAL CONTRACTOR SHALL PROVIDE JUNCTION OR BACK BOXES FOR MOUNTING ALL INTERIOR AND EXTERIOR MOUNTED SECURITY, CAMERA AND A/V DEVICE REQUIREMENTS. REFER TO SEPARATE CONSULTANT'S DRAWINGS FOR ALL DETAILS, SPECIFICATIONS AND ADDITIONAL REQUIREMENTS.

POWER CODED NOTES

(100) CONNECT 120/208V CONDENSATE PUMP(S) TO 208V FEEDER FOR MECHANICAL EQUIPMENT IN ROOM OR AREA IF NOT INCLUDED IN ONE-POINT POWER CONNECTION FOR EQUIPMENT.

(103) OUTDOOR HVAC UNITS (HPs) PROVIDE POWER TO THEIR RESPECTIVE INDOOR UNITS (FCUs/CCUs) AND BRANCH CONTROLLERS (BCCs). PROVIDE ALL WIRING, LINE AND LOW VOLTAGE BETWEEN UNITS AS REQUIRED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

(302) JUNCTION BOX FOR LOW VOLTAGE MOTORIZED DAMPERS SUPPLIED WITH 120V TRANSFORMER FOR CONTROL POWER. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

(315) PROVIDE NEW MAGNETIC DOOR HOLD OPEN DEVICE PER DOOR FOR ALL CORRIDOR DOORS. CONNECT TO 120V CIRCUIT FROM NEW PANEL AS INDICATED. COORDINATE WITH OWNER AND ARCHITECT FOR EXACT DEVICE LOCATIONS AND MOUNTING REQUIREMENTS.

(400) MOTOR STARTERS/DISCONNECT SWITCHES PROVIDED BY MECHANICAL CONTRACTOR, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR.

(401) DUPLEX SEWER PUMP PANEL BY OTHERS WIRED BY ELECTRICAL CONTRACTOR. DUPLEX 1HP, 208/240V SYSTEM WITH INTEGRAL OUTDOOR CONTROL PANEL. COORDINATE EXACT LOCATION, REQUIREMENTS AND CONDUIT SIZE/ROUTING WITH CIVIL DRAWINGS AND MANUFACTURER'S RECOMMENDATIONS.

(500) COORDINATE NEW ELECTRICAL SERVICE AND DISTRIBUTION FOR BUILDING FROM EXISTING SCHOOL. COORDINATE EXACT PATHS AND CONDUIT ROUTING WITH BUILDING MANAGEMENT'S RECOMMENDATIONS AND EXISTING ELECTRICAL CONDITIONS.

1 ELECTRICAL POWER PLAN
SCALE: 1/8" = 1'-0"

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KEY PLAN

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C.V. STARR

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LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & SITE IMPROVEMENTS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
GROUND FLOOR
ELECTRICAL POWER PLAN

12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE 30"x42"	DRAWING NO. CVS EP100
SCALE AS NOTED	
DRAWN BY LFG	FILE NO. 23505.02

PLOT DATE: December 02, 2024 - 2:26pm

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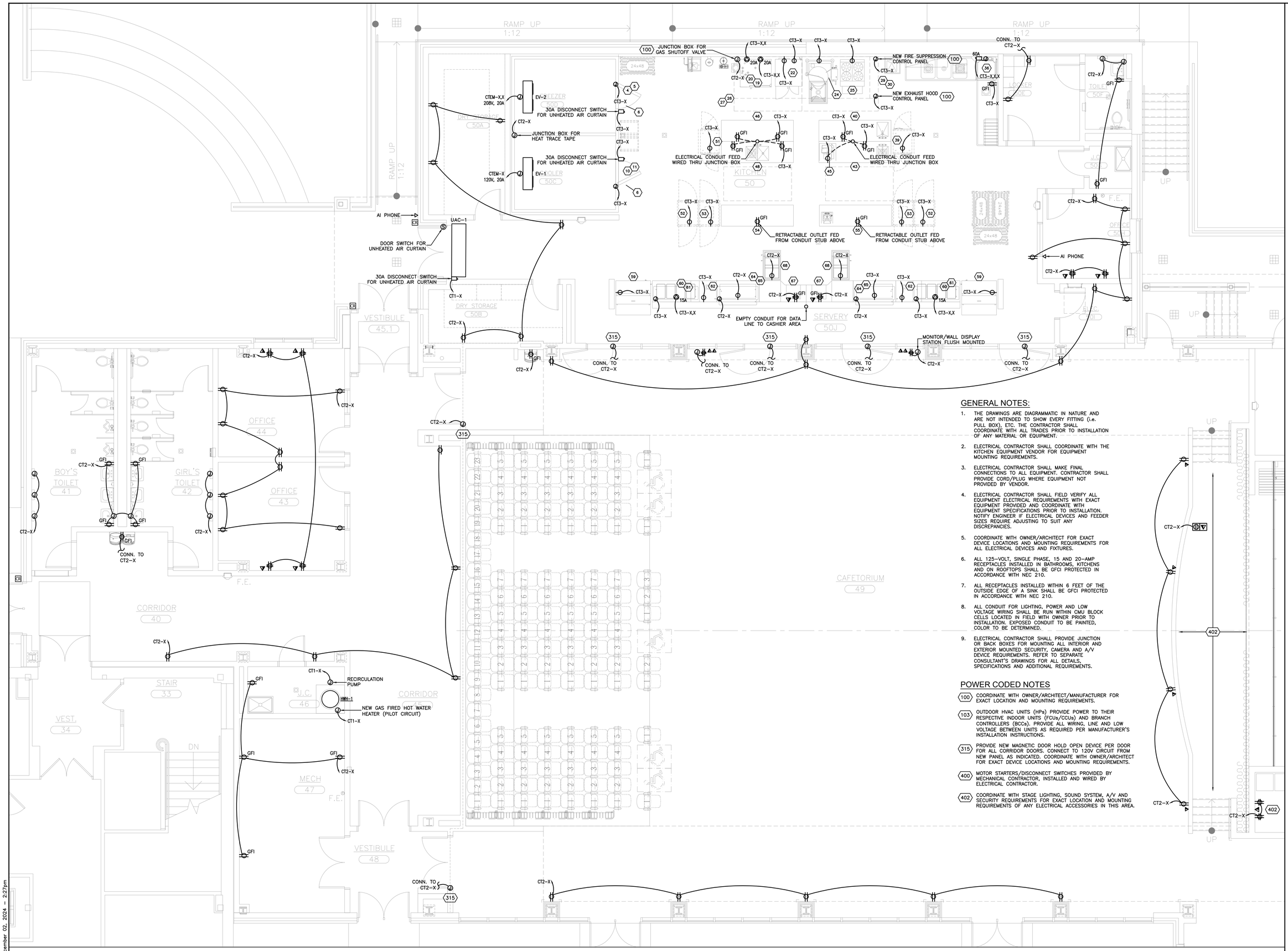

GENERAL NOTES:

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2. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE KITCHEN EQUIPMENT VENDOR FOR EQUIPMENT MOUNTING REQUIREMENTS.
3. ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ALL EQUIPMENT. CONTRACTOR SHALL PROVIDE CORD/PLUG WHERE EQUIPMENT NOT PROVIDED BY VENDOR.
4. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EQUIPMENT ELECTRICAL REQUIREMENTS WITH EXACT EQUIPMENT PROVIDED AND COORDINATE WITH EQUIPMENT SPECIFICATIONS PRIOR TO INSTALLATION. NOTIFY ENGINEER IF ELECTRICAL DEVICES AND FEEDER SIZES REQUIRE ADJUSTING TO SUIT ANY DISCREPANCIES.
5. COORDINATE WITH OWNER/ARCHITECT FOR EXACT DEVICE LOCATIONS AND MOUNTING REQUIREMENTS FOR ALL ELECTRICAL DEVICES AND FIXTURES.
6. ALL 125-VOLT, SINGLE PHASE, 15 AND 20-AMP RECEPTACLES INSTALLED IN BATHROOMS, KITCHENS AND ON ROOFTOPS SHALL BE GFCI PROTECTED IN ACCORDANCE WITH NEC 210.
7. ALL RECEPTACLES INSTALLED WITHIN 6 FEET OF THE OUTSIDE EDGE OF A SINK SHALL BE GFCI PROTECTED IN ACCORDANCE WITH NEC 210.
8. ALL CONDUIT FOR LIGHTING, POWER AND LOW VOLTAGE WIRING SHALL BE RUN WITHIN CMU BLOCK CELLS LOCATED IN FIELD WITH OWNER PRIOR TO INSTALLATION. EXPOSED CONDUIT TO BE PAINTED, COLOR TO BE DETERMINED.
9. ELECTRICAL CONTRACTOR SHALL PROVIDE JUNCTION OR BACK BOXES FOR MOUNTING ALL INTERIOR AND EXTERIOR MOUNTED SECURITY, CAMERA AND A/V DEVICE REQUIREMENTS. REFER TO SEPARATE CONSULTANT'S DRAWINGS FOR ALL DETAILS, SPECIFICATIONS AND ADDITIONAL REQUIREMENTS.

POWER CODED NOTES

- 100 COORDINATE WITH OWNER/ARCHITECT/MANUFACTURER FOR EXACT LOCATION AND MOUNTING REQUIREMENTS.
- 103 OUTDOOR HVAC UNITS (HPs) PROVIDE POWER TO THEIR RESPECTIVE INDOOR UNITS (FCUs/CCUs) AND BRANCH CONTROLLERS (BCCs). PROVIDE ALL WIRING, LINE AND LOW VOLTAGE BETWEEN UNITS AS REQUIRED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 315 PROVIDE NEW MAGNETIC DOOR HOLD OPEN DEVICE PER DOOR FOR ALL CORRIDOR DOORS. CONNECT TO 120V CIRCUIT FROM NEW PANEL AS INDICATED. COORDINATE WITH OWNER/ARCHITECT FOR EXACT DEVICE LOCATIONS AND MOUNTING REQUIREMENTS.
- 400 MOTOR STARTERS/DISCONNECT SWITCHES PROVIDED BY MECHANICAL CONTRACTOR, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR.
- 402 COORDINATE WITH STAGE LIGHTING, SOUND SYSTEM, A/V AND SECURITY REQUIREMENTS FOR EXACT LOCATION AND MOUNTING REQUIREMENTS OF ANY ELECTRICAL ACCESSORIES IN THIS AREA.

1 ELECTRICAL PARTIAL POWER PLAN

SCALE: 1/4" = 1'-0"

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LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-05-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & SITE IMPROVEMENTS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
GROUND FLOOR ELECTRICAL POWER PLAN

12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE: 30"x42"
DRAWING NO.: CVS EP100A
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO.: 23505.02

PLOT DATE: December 02, 2024 - 2:27pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 - Cafetorium\ACAD\Electrical\CVS PKG2_EP-100_EP-100A.dwg

GENERAL NOTES:

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3. COORDINATE WITH OWNER/ARCHITECT FOR EXACT DEVICE LOCATIONS AND MOUNTING REQUIREMENTS FOR ALL ELECTRICAL DEVICES AND FIXTURES.
4. ALL 125-VOLT, SINGLE PHASE, 15 AND 20-AMP RECEPTACLES INSTALLED IN BATHROOMS, KITCHENS AND ON ROOFTOPS SHALL BE GFCI PROTECTED.
5. ALL CONDUIT FOR LIGHTING, POWER AND LOW VOLTAGE WIRING SHALL BE RUN WITHIN CMU BLOCK CELLS LOCATED IN FIELD WITH OWNER PRIOR TO INSTALLATION. EXPOSED CONDUIT TO BE PAINTED, COLOR TO BE DETERMINED.
6. ELECTRICAL CONTRACTOR SHALL PROVIDE JUNCTION OR BACK BOXES FOR MOUNTING ALL INTERIOR AND EXTERIOR MOUNTED SECURITY, CAMERA AND A/V DEVICE REQUIREMENTS. REFER TO SEPARATE CONSULTANT'S DRAWINGS FOR ALL DETAILS, SPECIFICATIONS AND ADDITIONAL REQUIREMENTS.

POWER CODED NOTES

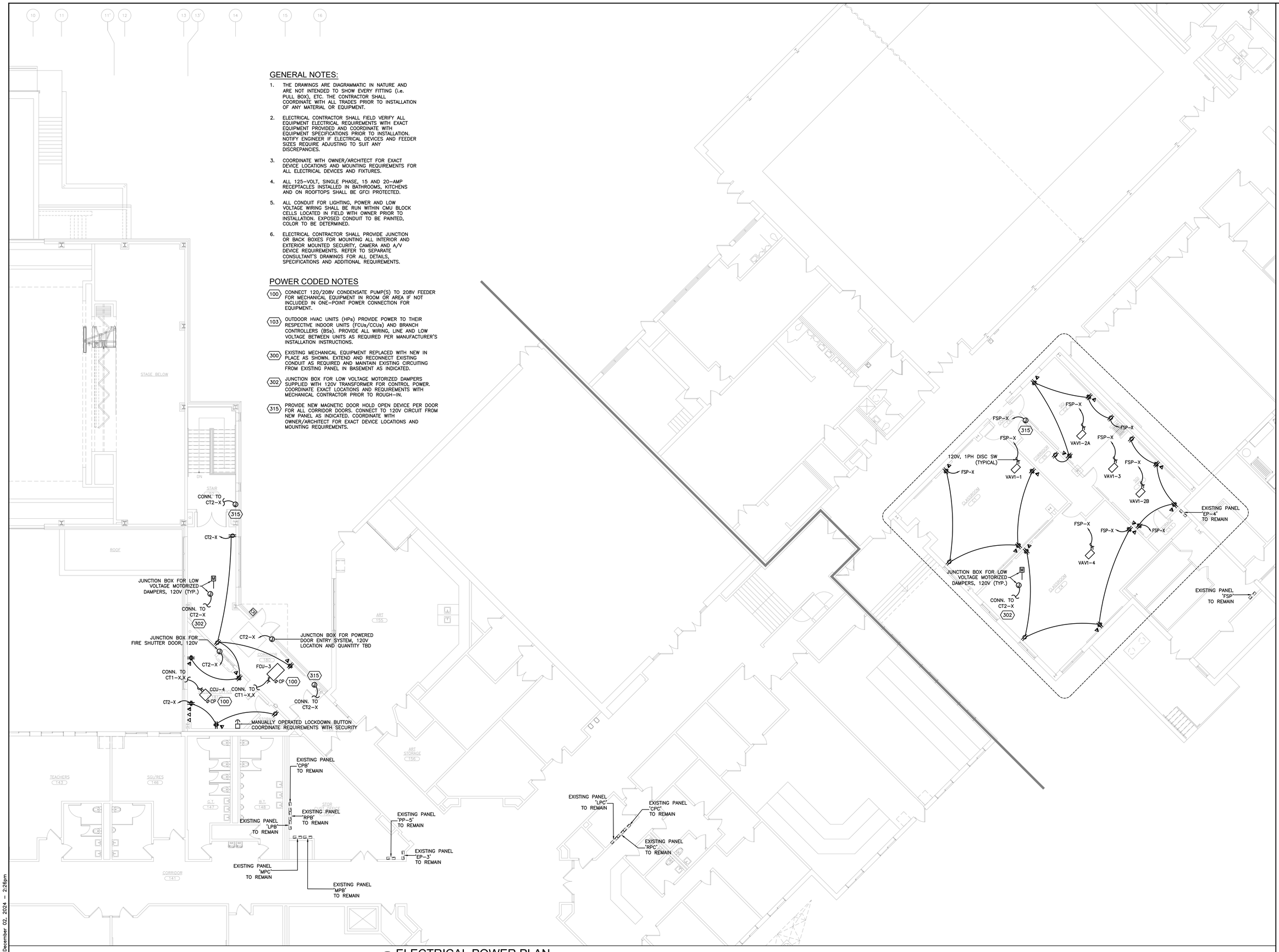
(100) CONNECT 120/208V CONDENSATE PUMP(S) TO 208V FEEDER FOR MECHANICAL EQUIPMENT IN ROOM OR AREA IF NOT INCLUDED IN ONE-POINT POWER CONNECTION FOR EQUIPMENT.

(103) OUTDOOR HVAC UNITS (HPs) PROVIDE POWER TO THEIR RESPECTIVE INDOOR UNITS (FCUs/CCUs) AND BRANCH CONTROLLERS (BSs). PROVIDE ALL WIRING, LINE AND LOW VOLTAGE BETWEEN UNITS AS REQUIRED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

(300) EXISTING MECHANICAL EQUIPMENT REPLACED WITH NEW IN PLACE AS SHOWN. EXTEND AND RECONNECT EXISTING CONDUIT AS REQUIRED AND MAINTAIN EXISTING CIRCUITING FROM EXISTING PANEL IN BASEMENT AS INDICATED.

(302) JUNCTION BOX FOR LOW VOLTAGE MOTORIZED DAMPERS SUPPLIED WITH 120V TRANSFORMER FOR CONTROL POWER. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

(315) PROVIDE NEW MAGNETIC DOOR HOLD OPEN DEVICE PER DOOR FOR ALL CORRIDOR DOORS. CONNECT TO 120V CIRCUIT FROM NEW PANEL AS INDICATED. COORDINATE WITH OWNER/ARCHITECT FOR EXACT DEVICE LOCATIONS AND MOUNTING REQUIREMENTS.



1 ELECTRICAL POWER PLAN

SCALE: 1/8" = 1'-0"

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Mayor (D) Affiliated Firm FULLER MINELLI, P.C.

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(203) 866-8019 Fax

LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

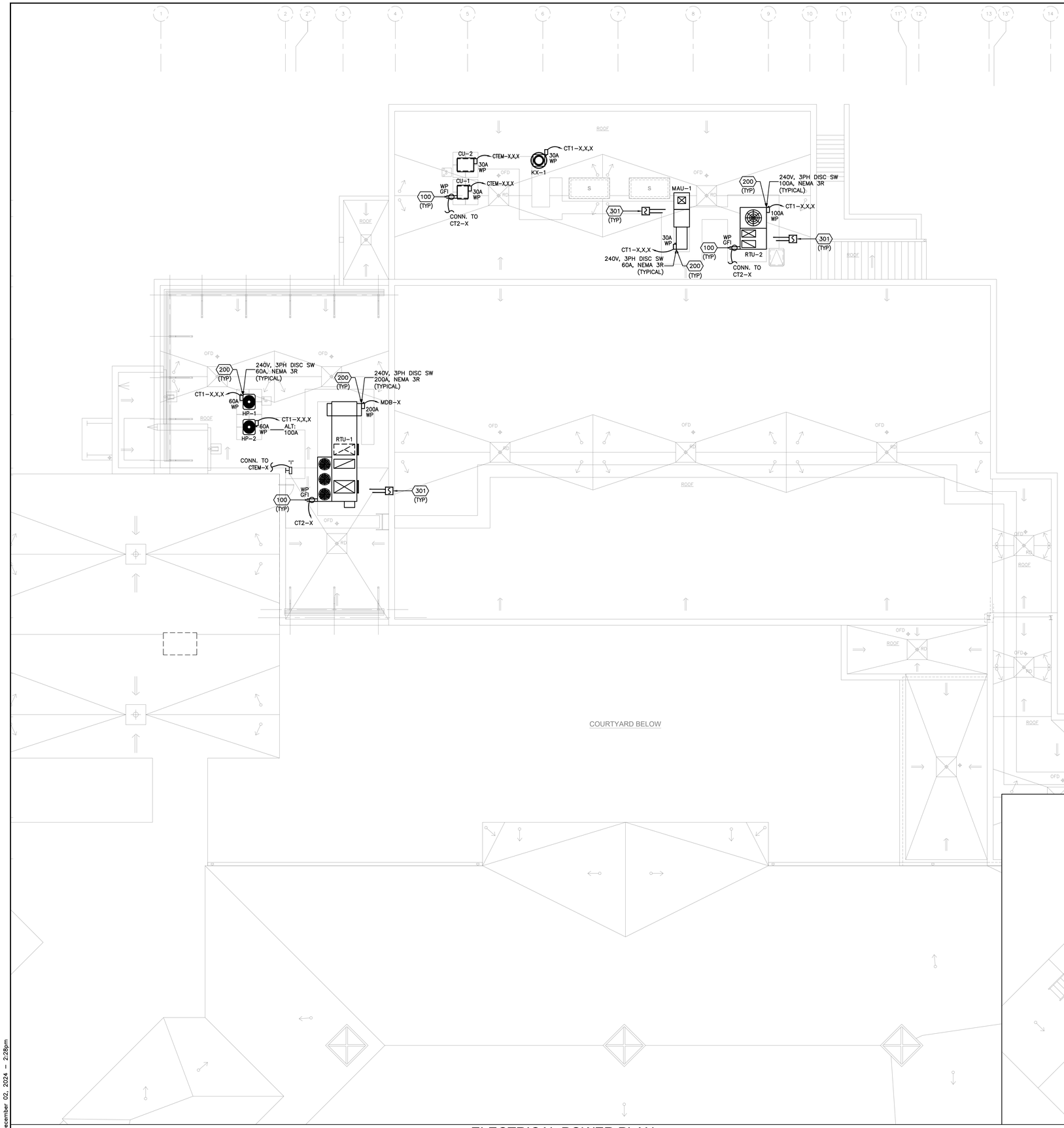
DRAWING TITLE
FIRST FLOOR
ELECTRICAL POWER PLAN

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

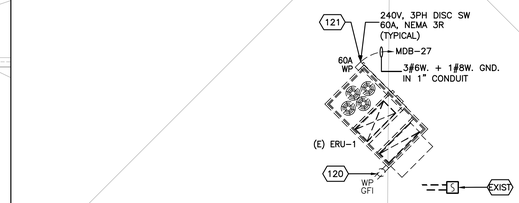
SHEET SIZE 30"x42"
DRAWING NO. CVS EP101
SCALE AS NOTED
DRAWN BY LFG
FILE NO. 23505.02

PLOT DATE: December 02, 2024 - 2:26pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 - Cafetorium\ACAD\Electrical\CVS PKG2_EP-101.dwg



1 ELECTRICAL POWER PLAN
SCALE: 1/8" = 1'-0"



2 ELECTRICAL PARTIAL POWER PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO SHOW EVERY FITTING (i.e. PULL BOX), ETC. THE CONTRACTOR SHALL COORDINATE WITH ALL TRADES PRIOR TO INSTALLATION OF ANY MATERIAL OR EQUIPMENT.
2. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EQUIPMENT ELECTRICAL REQUIREMENTS WITH EXACT EQUIPMENT PROVIDED AND COORDINATE WITH EQUIPMENT SPECIFICATIONS PRIOR TO INSTALLATION. NOTIFY ENGINEER IF ELECTRICAL DEVICES AND FEEDER SIZES REQUIRE ADJUSTING TO SUIT ANY DISCREPANCIES.
3. COORDINATE WITH OWNER/ARCHITECT FOR EXACT DEVICE LOCATIONS AND MOUNTING REQUIREMENTS FOR ALL ELECTRICAL DEVICES AND FIXTURES.
4. ALL 125-VOLT, SINGLE PHASE, 15 AND 20-AMP RECEPTACLES INSTALLED IN BATHROOMS, KITCHENS AND ON ROOFTOPS SHALL BE GFCI PROTECTED.
5. ALL EXPOSED CONDUIT SHALL BE LOCATED IN FIELD WITH OWNER PRIOR TO INSTALLATION. EXPOSED CONDUIT TO BE PAINTED, COLOR TO BE DETERMINED.
6. CONTRACTOR RESPONSIBLE FOR SIZING OF PULL BOXES. CONTRACTOR SHALL DETERMINE FINAL LOCATION. DO NOT PLACE PULL BOXES ON EXTERIOR VERTICAL RACEWAY RUNS. PULL BOXES SHALL BE NEMA 1 ENCLOSURE WHEN INSTALLED INDOORS AND NEMA 3R ENCLOSURE FOR OUTDOOR INSTALLATION.
7. ALL ROOF PENETRATIONS FOR ELECTRICAL POWER AND CONTROL WIRING SHALL BE ROUTED IN PIPE PORTAL. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.

POWER CODED NOTES

100 WEATHERPROOF GFCI RECEPTACLE PROVIDED FOR SERVICING MECHANICAL EQUIPMENT WIRE TO CIRCUIT AS INDICATED. COORDINATE LOCATION WITH G.C. PRIOR TO ROUGH-IN.

103 OUTDOOR HVAC UNITS (HPs) PROVIDE POWER TO THEIR RESPECTIVE INDOOR UNITS (FCUs/CCUs) AND BRANCH CONTROLLERS (BCCs). PROVIDE ALL WIRING, LINE AND LOW VOLTAGE BETWEEN UNITS AS REQUIRED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

120 FIELD VERIFY EXISTING WP GFCI CONVENIENCE RECEPTACLE PROVIDED FOR SERVICING ROOFTOP HVAC EQUIPMENT. REMOVE AND REPLACE WITH NEW IF DEFECTIVE AND/OR PROVIDE NEW IN PLACE IF UNIT IS NOT PROVIDED WITH ACCESSORY.

121 FIELD VERIFY EXISTING WP DISCONNECT SWITCH PROVIDED FOR HVAC EQUIPMENT IS SALVAGEABLE. REMOVE AND REPLACE WITH NEW IF DEFECTIVE AND RECONNECT TO EXISTING CIRCUIT FROM EXISTING PANEL AS INDICATED.

200 MOTOR STARTERS/DISCONNECT SWITCHES PROVIDED BY MECHANICAL CONTRACTOR, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR.

300 EXISTING MECHANICAL EQUIPMENT REPLACED WITH NEW IN PLACE AS SHOWN. EXTEND AND RECONNECT EXISTING CONDUIT AS REQUIRED AND MAINTAIN EXISTING CIRCUITING FROM EXISTING PANEL IN BASEMENT AS INDICATED.

301 PROVIDE NEW DUCT DETECTOR AND REMOTE TEST SWITCH AND CONNECT TO EXISTING FIRE ALARM SYSTEM. PROVIDE CONTROL MODULE AND FAN SHUTDOWN RELAY FOR DEACTIVATION OF MECHANICAL EQUIPMENT UPON ALARM.

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KEY PLAN

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LFG LANDSCAPE FACILITIES GROUP, INC.
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Norwalk, CT 06855
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(203) 866-8019 Fax

LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & SITE IMPROVEMENTS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
ROOF
ELECTRICAL POWER PLAN

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS E103
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO.: 23505.02

PLOT DATE: December 02, 2024 - 2:28pm
FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 - Cafetorium\ACAD\Electrical\CVS PKG2_E-103.dwg

GENERAL NOTES:

1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO SHOW EVERY FITTING (i.e. PULL BOX), ETC. THE CONTRACTOR SHALL COORDINATE WITH ALL TRADES PRIOR TO INSTALLATION OF ANY MATERIAL OR EQUIPMENT.

2. COORDINATE WITH OWNER/ARCHITECT FOR EXACT LIGHTING SWITCH LOCATIONS AND CONTROLS, LIGHTING SPECIFICATIONS AND MOUNTING REQUIREMENTS FOR ALL LIGHT FIXTURES AND DEVICES UNLESS OTHERWISE NOTED.

3. ALL EXIT SIGNS AND EMERGENCY LIGHTING "X/EM" SHALL BE UNSWITCHED AND SHALL AUTOMATICALLY REMAIN ENERGIZED FROM EMERGENCY GENERATOR BACKUP PANEL "CTEM" ON LOSS OF POWER. ALL EXIT SIGNS AND EMERGENCY LIGHTING SHALL BE VERIFIED IN FIELD WITH OWNER PRIOR TO INSTALLATION.

4. INSTALL AUTOMATIC ON/OFF WALL OR CEILING MOUNTED OCCUPANCY SENSOR IN ROOM OR AREA AS SHOWN. SWITCH TO BE WIRED AHEAD OF ANY LOCAL SWITCHING OR DIMMING CONTROL POWER CIRCUITING, PROVIDING REQUIRED OVERRIDE OF LIGHTS DURING UNOCCUPIED PERIODS.

5. EXHAUST HOOD(S) AND WALK-IN COOLER/FREEZER LIGHTING FURNISHED BY EQUIPMENT VENDOR AS INTEGRAL PART OF EQUIPMENT.

6. ALL CONDUIT FOR LIGHTING, POWER AND LOW VOLTAGE WIRING SHALL BE RUN WITHIN CMU BLOCK CELLS LOCATED IN FIELD WITH OWNER PRIOR TO INSTALLATION. EXPOSED CONDUIT TO BE PAINTED, COLOR TO BE DETERMINED.

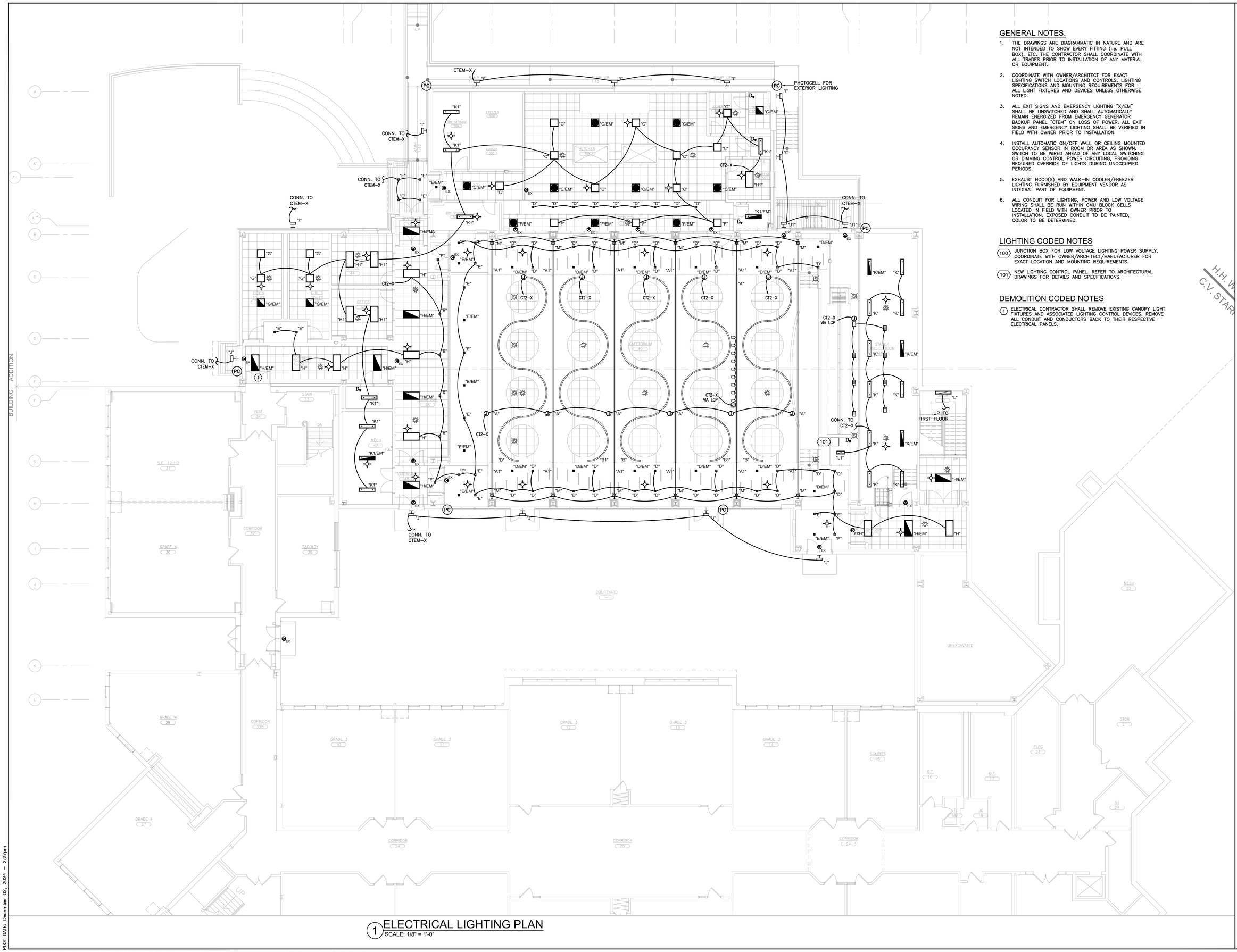
LIGHTING CODED NOTES

(100) JUNCTION BOX FOR LOW VOLTAGE LIGHTING POWER SUPPLY. COORDINATE WITH OWNER/ARCHITECT/MANUFACTURER FOR EXACT LOCATION AND MOUNTING REQUIREMENTS.

(101) NEW LIGHTING CONTROL PANEL. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS AND SPECIFICATIONS.

DEMOLITION CODED NOTES

(1) ELECTRICAL CONTRACTOR SHALL REMOVE EXISTING CANOPY LIGHT FIXTURES AND ASSOCIATED LIGHTING CONTROL DEVICES. REMOVE ALL CONDUIT AND CONDUCTORS BACK TO THEIR RESPECTIVE ELECTRICAL PANELS.



1 ELECTRICAL LIGHTING PLAN
SCALE: 1/8" = 1'-0"

AS PER USA CONGRESS ARCHITECTURAL WORKS COPYRIGHT PROTECTION ACT OF 1990 ALL IDEAS AND DESIGNS INCLUDING DERIVATIVES THEREOF, ALL DRAWINGS AND SPECIFICATIONS CONSTITUTE THE ORIGINAL COPYRIGHT WORK BY FULLER AND D'ANGELO, P.C. (F&D). THE DRAWINGS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE BY F&D ARE CREATED BY F&D FOR THIS PROJECT ONLY AND REMAIN THE PRODUCT AND PROPERTY OF F&D. ANY REPRODUCTION WITHOUT THE PRIOR CONSENT OF F&D IS PROHIBITED.

KEY PLAN

H.H. W
C.V. STAR

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48 SCHOLLWOOD ROAD ELMSFORD NEW YORK 10523
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Mayer JEI, A Fuller-Dangelo Joint Venture, LLC

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252 East Avenue
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(203) 866-6911 Fax

LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND SITE WORK
257 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
GROUND FLOOR
ELECTRICAL LIGHTING PLAN

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS EL100
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO.: 23505.02

PLOT DATE: December 02, 2024 - 2:27pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 – Cafetorium\ACAD\Electrical\CVS PKG2_EL–100.dwg

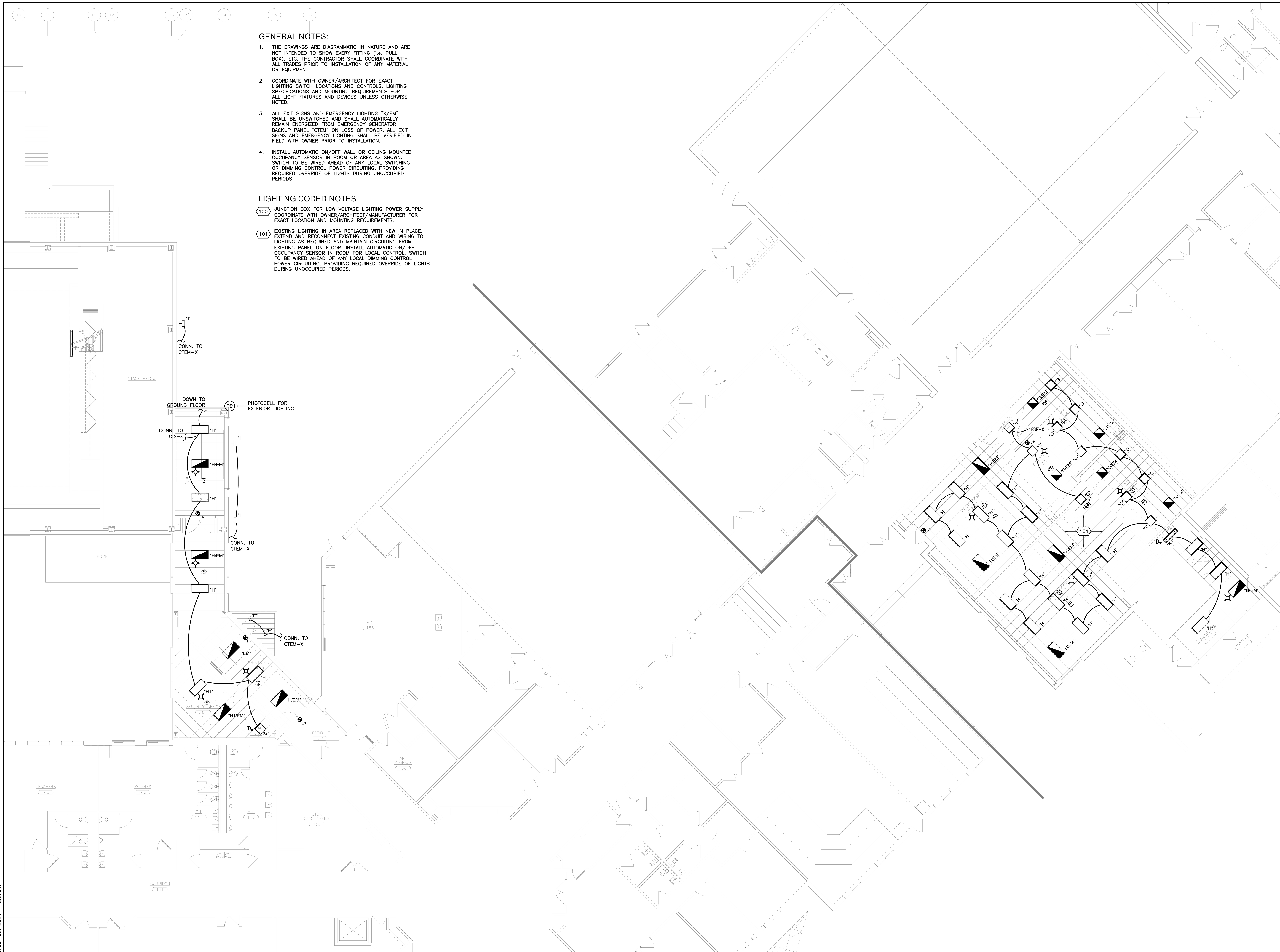
GENERAL NOTES:

1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO SHOW EVERY FITTING (i.e. PULL BOX), ETC. THE CONTRACTOR SHALL COORDINATE WITH ALL TRADES PRIOR TO INSTALLATION OF ANY MATERIAL OR EQUIPMENT.
2. COORDINATE WITH OWNER/ARCHITECT FOR EXACT LIGHTING SWITCH LOCATIONS AND CONTROLS, LIGHTING SPECIFICATIONS AND MOUNTING REQUIREMENTS FOR ALL LIGHT FIXTURES AND DEVICES UNLESS OTHERWISE NOTED.
3. ALL EXIT SIGNS AND EMERGENCY LIGHTING "X/EM" SHALL BE UNSWITCHED AND SHALL AUTOMATICALLY REMAIN ENERGIZED FROM EMERGENCY GENERATOR BACKUP PANEL "CTEM" ON LOSS OF POWER. ALL EXIT SIGNS AND EMERGENCY LIGHTING SHALL BE VERIFIED IN FIELD WITH OWNER PRIOR TO INSTALLATION.
4. INSTALL AUTOMATIC ON/OFF WALL OR CEILING MOUNTED OCCUPANCY SENSOR IN ROOM OR AREA AS SHOWN. SWITCH TO BE WIRED AHEAD OF ANY LOCAL SWITCHING OR DIMMING CONTROL POWER CIRCUITING, PROVIDING REQUIRED OVERRIDE OF LIGHTS DURING UNOCCUPIED PERIODS.

LIGHTING CODED NOTES

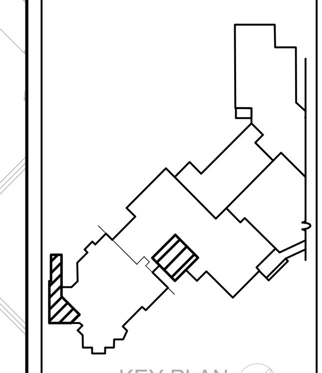
(100) JUNCTION BOX FOR LOW VOLTAGE LIGHTING POWER SUPPLY. COORDINATE WITH OWNER/ARCHITECT/MANUFACTURER FOR EXACT LOCATION AND MOUNTING REQUIREMENTS.

(101) EXISTING LIGHTING IN AREA REPLACED WITH NEW IN PLACE. EXTEND AND RECONNECT EXISTING CONDUIT AND WIRING TO LIGHTING AS REQUIRED AND MAINTAIN CIRCUITING FROM EXISTING PANEL ON FLOOR. INSTALL AUTOMATIC ON/OFF OCCUPANCY SENSOR IN ROOM FOR LOCAL CONTROL. SWITCH TO BE WIRED AHEAD OF ANY LOCAL DIMMING CONTROL POWER CIRCUITING, PROVIDING REQUIRED OVERRIDE OF LIGHTS DURING UNOCCUPIED PERIODS.



1 ELECTRICAL LIGHTING PLAN
SCALE: 1/8" = 1'-0"

AS PER USA CONGRESS ARCHITECTURAL WORKS COPYRIGHT PROTECTION ACT OF 1990 ALL IDEAS AND DESIGNS INCLUDING DERIVATIVES THEREOF, ALL DRAWINGS AND SPECIFICATIONS CONSTITUTE THE ORIGINAL COPYRIGHT WORK BY FULLER AND D'ANGELO, P.C. (F&D). THE DRAWINGS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE BY F&D ARE CREATED BY F&D FOR THIS PROJECT ONLY AND REMAIN THE PRODUCT AND PROPERTY OF F&D. ANY REPRODUCTION WITHOUT THE PRIOR CONSENT OF F&D IS PROHIBITED.



KEY PLAN
SCALE N.T.S.

FULLER D'ANGELO P.C.
ARCHITECTS PLANNERS
45 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
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LANDMARK FACILITIES GROUP, INC.
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LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
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PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & RELATED WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

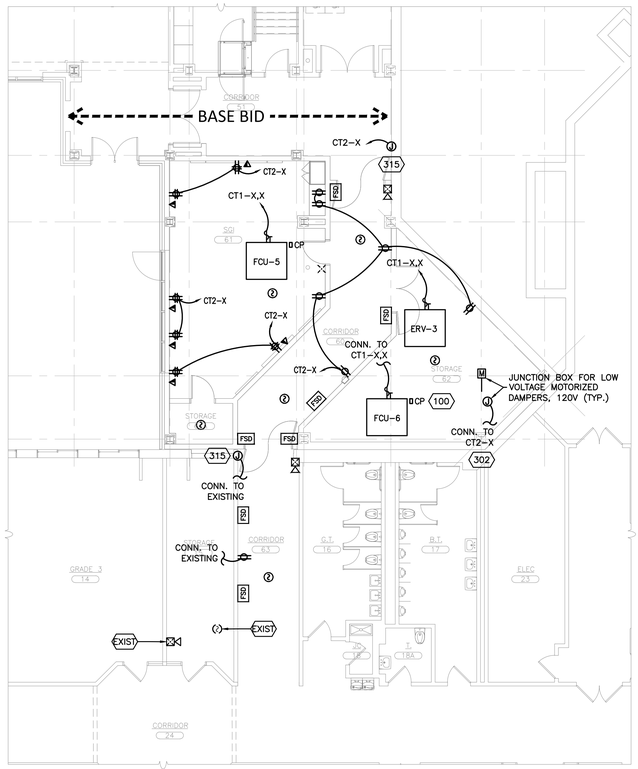
DRAWING TITLE
FIRST FLOOR
ELECTRICAL LIGHTING PLAN

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

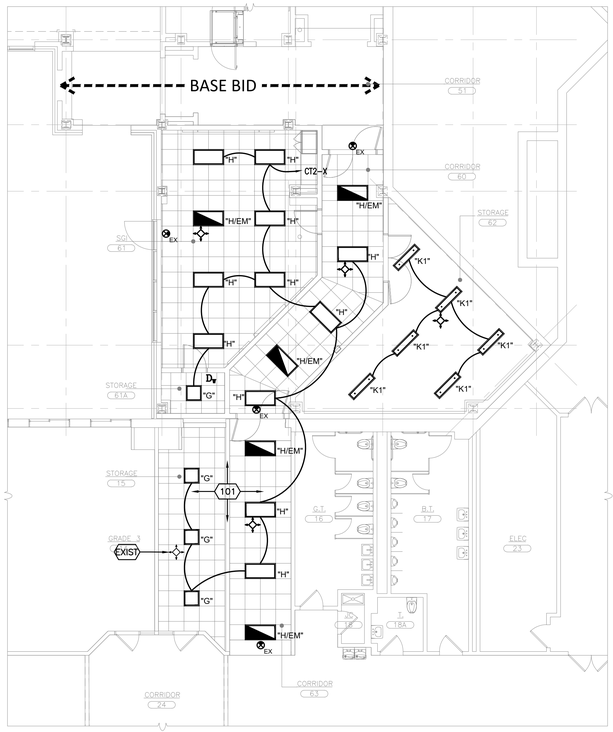
SHEET SIZE: 30"x42"
SCALE: AS NOTED
DRAWN BY: LFG
DRAWING NO.: CVS EL101
FILE NO.: 23505.02

PLOT DATE: December 02, 2024 – 2:27pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 – Cafetorium\ACAD\Electrical\CVS PKG2_EL-101.dwg



5 PARTIAL GROUND FLOOR PLAN - ALT 1
SCALE: 1/8" = 1'-0"



6 PARTIAL GROUND FLOOR RCP - ALT 1
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO SHOW EVERY FITTING (i.e. PULL BOX), ETC. THE CONTRACTOR SHALL COORDINATE WITH ALL TRADES PRIOR TO INSTALLATION OF ANY MATERIAL OR EQUIPMENT.
2. ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ALL EQUIPMENT. CONTRACTOR SHALL PROVIDE CORD/PLUG WHERE EQUIPMENT NOT PROVIDED BY VENDOR.
3. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EQUIPMENT ELECTRICAL REQUIREMENTS WITH EXACT EQUIPMENT PROVIDED AND COORDINATE WITH EQUIPMENT SPECIFICATIONS PRIOR TO INSTALLATION. NOTIFY ENGINEER IF ELECTRICAL DEVICES AND FEEDER SIZES REQUIRE ADJUSTING TO SUIT ANY DISCREPANCIES.
4. COORDINATE WITH OWNER/ARCHITECT FOR EXACT DEVICE LOCATIONS AND MOUNTING REQUIREMENTS FOR ALL ELECTRICAL DEVICES AND FIXTURES.
5. ALL CONDUIT FOR LIGHTING, POWER AND LOW VOLTAGE WIRING SHALL BE RUN WITHIN CMU BLOCK CELLS LOCATED IN FIELD WITH OWNER PRIOR TO INSTALLATION. EXPOSED CONDUIT TO BE PAINTED, COLOR TO BE DETERMINED.
6. ELECTRICAL CONTRACTOR SHALL PROVIDE JUNCTION OR BACK BOXES FOR MOUNTING ALL INTERIOR AND EXTERIOR MOUNTED SECURITY, CAMERA AND A/V DEVICE REQUIREMENTS. REFER TO SEPARATE CONSULTANT'S DRAWINGS FOR ALL DETAILS, SPECIFICATIONS AND ADDITIONAL REQUIREMENTS.

POWER CODED NOTES

(100) CONNECT 120/208V CONDENSATE PUMP(S) TO 208V FEEDER FOR MECHANICAL EQUIPMENT IN ROOM OR AREA IF NOT INCLUDED IN ONE-POINT POWER CONNECTION FOR EQUIPMENT.

(103) OUTDOOR HVAC UNITS (HPs) PROVIDE POWER TO THEIR RESPECTIVE INDOOR UNITS (FCUs/CCUs) AND BRANCH CONTROLLERS (BSs). PROVIDE ALL WIRING, LINE AND LOW VOLTAGE BETWEEN UNITS AS REQUIRED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

(302) JUNCTION BOX FOR LOW VOLTAGE MOTORIZED DAMPERS SUPPLIED WITH 120V TRANSFORMER FOR CONTROL POWER. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

(315) PROVIDE NEW MAGNETIC DOOR HOLD OPEN DEVICE PER DOOR FOR ALL CORRIDOR DOORS. CONNECT TO 120V CIRCUIT FROM NEW PANEL AS INDICATED. COORDINATE WITH OWNER/ARCHITECT FOR EXACT DEVICE LOCATIONS AND MOUNTING REQUIREMENTS.

(400) MOTOR STARTERS/DISCONNECT SWITCHES PROVIDED BY MECHANICAL CONTRACTOR, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR.

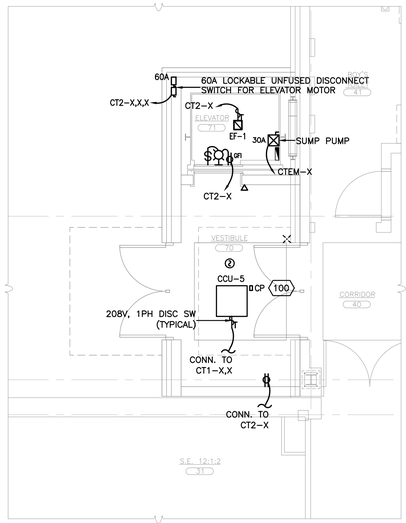
GENERAL NOTES:

1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO SHOW EVERY FITTING (i.e. PULL BOX), ETC. THE CONTRACTOR SHALL COORDINATE WITH ALL TRADES PRIOR TO INSTALLATION OF ANY MATERIAL OR EQUIPMENT.
2. COORDINATE WITH OWNER/ARCHITECT FOR EXACT LIGHTING SWITCH LOCATIONS AND CONTROLS, LIGHTING SPECIFICATIONS AND MOUNTING REQUIREMENTS FOR ALL LIGHT FIXTURES AND DEVICES UNLESS OTHERWISE NOTED.
3. ALL EXIT SIGNS AND EMERGENCY LIGHTING "X/EM" SHALL BE UNSWITCHED AND SHALL AUTOMATICALLY REMAIN ENERGIZED FROM EMERGENCY GENERATOR BACKUP PANEL "CTEM" ON LOSS OF POWER. ALL EXIT SIGNS AND EMERGENCY LIGHTING SHALL BE VERIFIED IN FIELD WITH OWNER PRIOR TO INSTALLATION.
4. INSTALL AUTOMATIC ON/OFF WALL OR CEILING MOUNTED OCCUPANCY SENSOR IN ROOM OR AREA AS SHOWN. SWITCH TO BE WIRED AHEAD OF ANY LOCAL SWITCHING OR DIMMING CONTROL POWER CIRCUITING, PROVIDING REQUIRED OVERRIDE OF LIGHTS DURING UNOCCUPIED PERIODS.

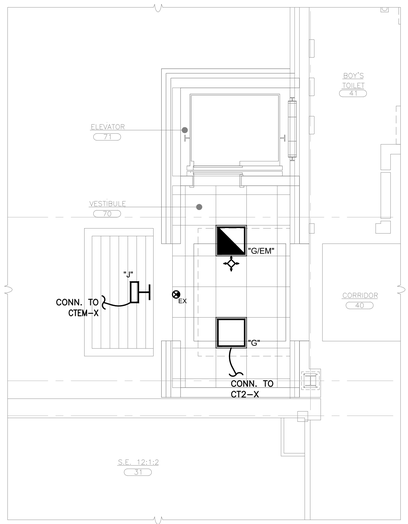
LIGHTING CODED NOTES

(100) JUNCTION BOX FOR LOW VOLTAGE LIGHTING POWER SUPPLY. COORDINATE WITH OWNER/ARCHITECT/MANUFACTURER FOR EXACT LOCATION AND MOUNTING REQUIREMENTS.

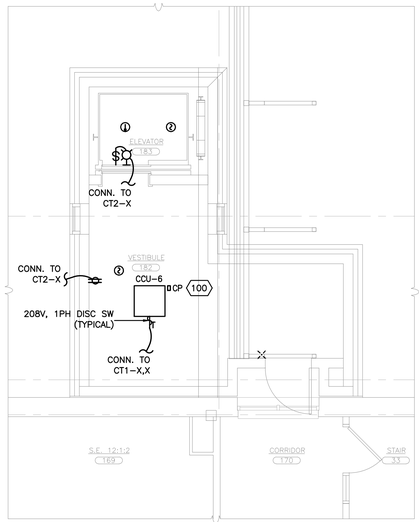
(101) EXISTING LIGHTING IN AREA REPLACED WITH NEW IN PLACE. EXTEND AND RECONNECT EXISTING CONDUIT AND WIRING TO LIGHTING AS REQUIRED AND MAINTAIN CIRCUITING FROM EXISTING PANEL ON FLOOR. INSTALL AUTOMATIC ON/OFF OCCUPANCY SENSOR IN ROOM FOR LOCAL CONTROL. SWITCH TO BE WIRED AHEAD OF ANY LOCAL DIMMING CONTROL POWER CIRCUITING, PROVIDING REQUIRED OVERRIDE OF LIGHTS DURING UNOCCUPIED PERIODS.



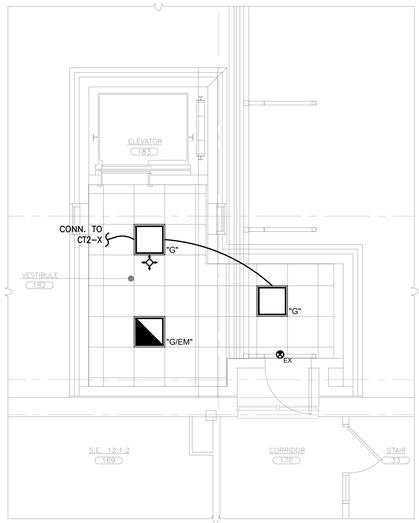
1 GROUND FLOOR PLAN - ALT 2
SCALE: 1/4" = 1'-0"



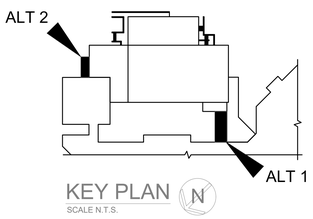
2 GROUND FLOOR RCP - ALT 2
SCALE: 1/4" = 1'-0"



3 FIRST FLOOR PLAN - ALT 2
SCALE: 1/4" = 1'-0"



4 FIRST FLOOR RCP - ALT 2
SCALE: 1/4" = 1'-0"



KEY PLAN
SCALE N.T.S.

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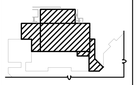

KEY PLAN
SCALE N.T.S.

FULLER D'ANGELO P.C. ARCHITECTS PLANNERS
48 SCHOLLWOOD ROAD BREWSTER NEW YORK 10509
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WWW.FULLERDANGELO.COM
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LFG
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252 East Avenue
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Phone: 203.866.8141
(203) 866-8919 Fax

LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE:
ELECTRICAL ALTERNATE
FLOOR PLANS

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS E-ALT
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO.: 23505.02

PLOT DATE: December 02, 2024 - 2:28pm

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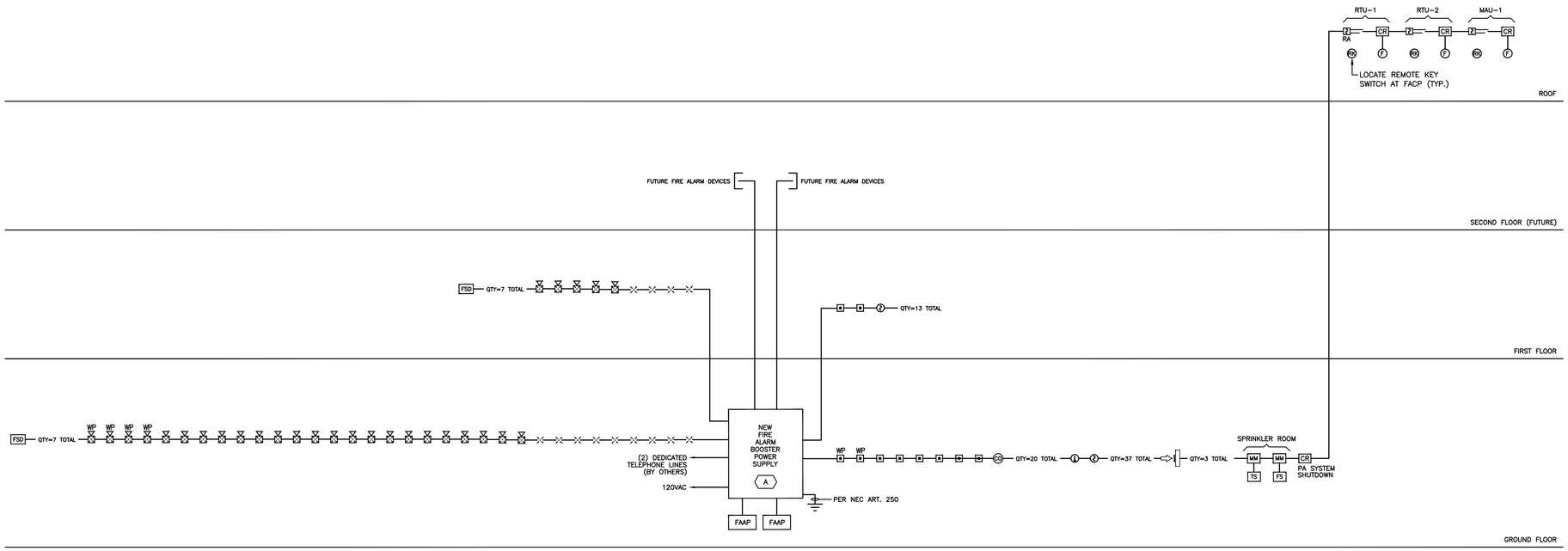

FIRE ALARM RISER DIAGRAM

RISER DIAGRAM CODED NOTES

(A) NEW FIRE ALARM CONTROL PANEL MAY NOT BE REQUIRED IF EXISTING SCHOOL FIRE ALARM CONTROL PANEL HAS THE CAPACITY FOR EXPANSION. IF CAPABLE THE NEW FIRE ALARM DEVICES SHOWN CAN BE CONNECTED TO THE EXISTING FIRE ALARM CONTROL PANEL. CONTRACTOR SHALL FURNISH AND INSTALL COMMUNICATIONS WIRING BETWEEN EXISTING FIRE ALARM CONTROL PANEL, NEW BOOSTER POWER SUPPLIES, EXTENDER PANEL AND ANNUNCIATOR PANELS AS REQUIRED.

GENERAL NOTES:

1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO SHOW EVERY FITTING (i.e. PULL BOX), ETC. THE CONTRACTOR SHALL COORDINATE WITH ALL TRADES PRIOR TO INSTALLATION OF ANY MATERIAL OR EQUIPMENT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL NEW FIRE ALARM DEVICES AND ASSOCIATED EQUIPMENT, CABLING AND CONDUIT TO THE NEW BASE BUILDING FIRE ALARM SYSTEM FOR A COMPLETE AND OPERABLE SYSTEM.
3. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE, THE NATIONAL FIRE ALARM CODE, THE NATIONAL ELECTRICAL CODE, THE REQUIREMENTS SET FORTH BY THE NEW AMERICANS WITH DISABILITIES ACT (A.D.A.)., AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
4. ALL NEW DEVICES SHALL BE COMPATIBLE WITH NEW FIRE ALARM PANEL AND WHITE IN COLOR.
5. ANY REQUIRED POWER FEED TO BE MIN. 2#12+G THHN OR THWN.
6. ALL JUNCTION AND PULL BOX COVERS TO BE PAINTED FIRE DEPT. RED.
7. ALL WIRING TO BE CHECKED AND DETERMINED TO BE FREE OF GROUND SHORTS AND HAVE PROPER POLARITY AND END OF LINE RESISTANCE.
8. PROVIDE ALL REQUIRED MODULES, WIRING AND PROGRAMMING TO ACCEPT NEW INDICATED DEVICES – ARRANGE FOR FILING AND ATTACH THE APPLICATION NUMBER OF THE CURRENT BASE BUILDING FIRE ALARM PLANS TO THE SUBMITTAL WITH THE NEW DEVICES ADDED WHERE APPLICABLE ON THE PLANS AND RISER.
9. ALL DEVICES ARE TO BE PROPERLY SUPPORTED WITH APPROPRIATE BRACKETS.
10. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE LOCAL BUILDING CODE AND THE NATIONAL ELECTRICAL CODE AND REQUIREMENTS SET FORTH BY THE NEW AMERICANS WITH DISABILITIES ACT (A.D.A.).
11. CONTRACTOR SHALL COORDINATE WITH BUILDING FIRE ALARM SERVICE VENDER BEFORE START OF ANY WORK.
12. ALL FIRE ALARM EXPOSED CABLE SHALL BE IN CONDUIT. EXCEPT WHERE INSTALLED IN MERs OVER 8' AFF.
13. ALL FIRE ALARM CABLE SHALL BE APPROVED FOR USE BY AUTHORITY HAVING JURISDICTION.
14. LOCATION OF ALL FIRE ALARM DEVICES AND EXPOSED CONDUITS ARE TO BE LOCATED IN FIELD WITH OWNER.
15. ALL CONDUIT FOR LIGHTING, POWER AND LOW VOLTAGE WIRING SHALL BE RUN WITHIN CMU BLOCK CELLS LOCATED IN FIELD WITH OWNER PRIOR TO INSTALLATION. EXPOSED CONDUIT TO BE PAINTED, COLOR TO BE DETERMINED.

EMERGENCY COMMUNICATION SYSTEMS NOTE:

SYSTEMS SUCH AS SECURITY; LOCKDOWN; PUBLIC ANNOUNCEMENT; EMERGENCY COMMUNICATION SYSTEMS; MASS NOTIFICATION SYSTEM; BUILDING AUTOMATION SYSTEMS; ETC., WHICH CONNECT TO, OR ARE REQUIRED BY NFPA 72 TO CONNECT TO, THE FIRE ALARM SYSTEM, SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 72 NATIONAL FIRE ALARM CODE TO PROTECT THE INTEGRITY AND RELIABILITY OF THE FIRE ALARM SYSTEM, AND TO ISSUE A COORDINATED MESSAGE. OTHER NOTIFICATION SYSTEMS SHALL COORDINATE WITH THE FIRE ALARM NOTIFICATION SYSTEM TO AVOID CONFUSION OF DIRECTIONS AND INTENDED ACTIONS AND RESPONSE.

FIRE ALARM LEGEND

■	MANUAL PULL STATION WITH COVER
Ⓢ	SMOKE DETECTOR
⊥ 135°	HEAT DETECTOR W/TEMP. RATING
✕	STROBE (MOUNTED AT 80"AFF)
⊠	SPEAKER STROBE MTD @ 80–96" A.F.F.
⊗	CEILING MOUNTED STROBE
CO	CARBON MONOXIDE DETECTOR
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL
BPS	FIRE ALARM BOOSTER POWER SUPPLY
ANSUL	ANSUL SYSTEM
Ⓢ	DUCT MOUNTED SMOKE DETECTOR
MM	MONITORING MODULE
CR	CONTROL RELAY
KB	KNOX BOX
FSD	FIRE/SMOKE DAMPER W/DUCT DETECTOR
(F)	FAN SHUTDOWN
RK	REMOTE KEY SWITCH FOR UNIT RESTART
TS	TAMPER SWITCH
FS	FLOW SWITCH
PS	PRESSURE SWITCH
DH	MAGNETIC DOOR HOLDER
EOL	END OF LINE DEVICE
AOR	AREA OF REFUGE CALLBOX
⇨ ▯	BEAM SMOKE DETECTOR
▼	PLUG-IN HANDSET RECEPTACLE
SA	SUPPLY AIR
RA	RETURN AIR
E	EXISTING
WP	WEATHERPROOF

SYSTEM INPUTS		CONTROL UNIT ANNUNCIATOR: ACTIVATE COMMON ALARM SIGNAL INDICATOR (LED) — A	ACTIVATE AUDIBLE ALARM SIGNAL (BUZZER ON FCS) — B	ACTIVATE COMMON SUPERVISORY SIGNAL INDICTOR (LED) — C	ACTIVATE AUDIBLE SUPERVISORY SIGNAL (BUZZER ON FCS) — D	ACTIVATE COMMON TROUBLE SIGNAL INDICATOR (LED) — E	ACTIVATE COMMON TROUBLE SIGNAL (BUZZER ON FCS) — F	ANNUNCIATE ALARM DEVICE BY FLOOR (LCD DISPLAY) — G	ANNUNCIATE SUPERVISORY DEVICE BY FLOOR (LCD DISPLAY) — H	ANNUNCIATE TROUBLE DEVICE BY FLOOR (LCD DISPLAY) — I	NOTIFICATION: ACTIVATE ALL FLOOR HORNS — J	ACTIVATE ALL FLOOR STROBES — K	— L	REQUIRED FIRE SAFETY CONTROL: SHUTDOWN AC UNIT — M	—	CENTRAL OFFICE NOTIFICATION: TRANSMIT SMOKE/HEAT/DUCT DETECTOR ALARM SIGNAL — O	TRANSMIT MANUAL ALARM SIGNAL — P	TRANSMIT TROUBLE SIGNAL — Q	TRANSMIT SUPERVISORY SIGNAL — R	TRANSMIT WATER FLOW ALARM SIGNAL — S
SMOKE DETECTOR	1	X	X					X			X	X				X					
DUCT DETECTOR	2			X	X				X					X						X	
MANUAL PULL STATION	3	X	X					X			X	X				X					
FLOW SWITCH	4	X	X					X			X	X									X
TAMPER SWITCH	5			X	X				X											X	
FIRE ALARM AC POWER FAILURE	6			X	X				X										X		
FIRE ALARM SYSTEM LOW BATTERY	7					X	X			X									X		
OPEN CIRCUIT	8					X	X			X									X		
GROUND FAULT	9					X	X			X									X		
NOTIFICATION APPLIANCE CIRCUIT SHORT	10					X	X			X									X		

FIRE ALARM SYSTEM INPUT/OUTPUT MATRIX

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KEY PLAN

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www.FULLERDANGELO.COM

LFG LANDMARK FACILITIES GROUP, INC.
252 East Avenue Norwalk, CT 06855 (203) 866-8080 Voice (203) 866-8079 Fax

LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER: 48-06-01-06-0-001-026

PROJECT TITLE: BREWSTER CENTRAL SCHOOL DISTRICT C.V. STARR INTERMEDIATE SCHOOL CAFETORIUM ADDITION, INTERIOR RENOVATIONS & SITE IMPROVEMENTS 20 FARM TO MARKET ROAD BREWSTER, NY 10509

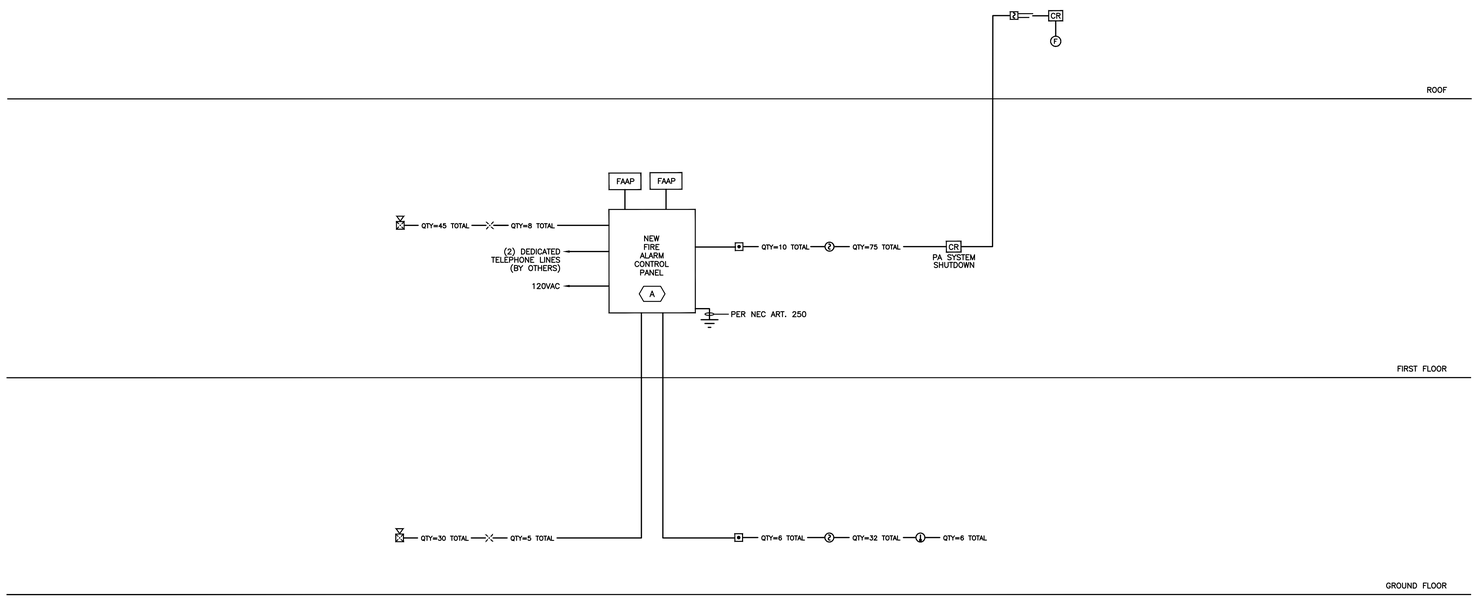
DRAWING TITLE: FIRE ALARM NOTES, LEGEND AND DETAILS

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM #
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42" | DRAWING NO.: CVS FA001
SCALE: AS NOTED
DRAWN BY: LFG | FILE NO.: 23505.02

PLOT DATE: December 02, 2024 - 2:26pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 – Cafetorium\ACAD\Electrical\CVS PKG2_FA-001.dwg



FIRE ALARM LEGEND

	MANUAL PULL STATION WITH COVER
2	SMOKE DETECTOR
135°	HEAT DETECTOR W/TEMP. RATING
	STROBE (MOUNTED AT 80"AFF)
	SPEAKER STROBE MTD @ 80-96" A.F.F.
CS	CEILING MOUNTED STROBE
CO	CARBON MONOXIDE DETECTOR
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL
BPS	FIRE ALARM BOOSTER POWER SUPPLY
ANSUL	ANSUL SYSTEM
2	DUCT MOUNTED SMOKE DETECTOR
MM	MONITORING MODULE
CR	CONTROL RELAY
KB	KNOX BOX
FSD	FIRE/SMOKE DAMPER
F	FAN SHUTDOWN
RK	REMOTE KEY SWITCH FOR UNIT RESTART
TS	TAMPER SWITCH
FS	FLOW SWITCH
PS	PRESSURE SWITCH
DH	MAGNETIC DOOR HOLDER
EOL	END OF LINE DEVICE
AOR	AREA OF REFUGE CALLBOX
	BEAM SMOKE DETECTOR
	PLUG-IN HANDSET RECEPTACLE
SA	SUPPLY AIR
RA	RETURN AIR
E	EXISTING
WP	WEATHERPROOF

RISER DIAGRAM CODED NOTES

(A) NOTE: ALL DEVICES SHOWN ARE EXISTING TO BE REPLACED WITH NEW UNLESS OTHERWISE NOTED AS (N) NEW (FIRE/SMOKE DAMPERS). ADDITONAL DEVICES SHOWN FOR ADEQUATE COVERAGE AND CODE COMPLIANCE NOT NOTED AS NEW.

NEW ADDRESSABLE DEVICES THROUGHOUT SHOULD MATCH NEW ADDRESSABLE SPEAKER-STROBE BASED FIRE ALARM SYSTEM INCLUDING FIRE ALARM CONTROL PANEL, ANNUNCIATOR(S) AND ALL ASSOCIATED ACCESSORIES REQUIRED FOR A COMPLETE SYSTEM, INCLUDING ALL NECESSARY INTERFACE COMPONENTS. FIRE ALARM COMPONENTS SHALL BE AN EDWARDS EST BASED SYSTEM PER OWNER COORDINATED STANDARD FOR ALL CAMPUS BUILDINGS.

EXISTING DUCT MOUNTED SMOKE DETECTORS (QUANTITY = 1) FOR ALL MECHANICAL EQUIPMENT IN MECHANICAL ROOMS ARE NOT SHOWN. PROVIDE REPLACEMENT DUCT MOUNTED SMOKE DETECTORS FOR ALL EXISTING DEVICES AND CONNECT TO NEW FIRE ALARM CONTROL PANEL. RECONNECT CONTROL MODULE AND FAN SHUTDOWN RELAY FOR DEACTIVATION OF MECHANICAL EQUIPMENT UPON ALARM. SMOKE DETECTOR MUST BE INSTALLED IN AN ACCESSIBLE LOCATION. INSTALL REMOTE TEST/RESET STATION AS REQUIRED. COORDINATE LOCATION OF TEST STATION WITH G.C.

EXISTING CONVENTIONAL FIRE ALARM CONTROL PANEL AND SYSTEM ACCESSORIES TO BE REPLACED WITH NEW ADDRESSABLE SYSTEM IN PLACE. EXTEND/RECONNECT EXISTING WIRING IF ACCEPTABLE AND PROVIDE ADDITIONAL WIRING AS REQUIRED FOR SPEAKER-STROBE BASED SYSTEM AND FOR ALL NEW ASSOCIATED WORK.

FIRE ALARM RISER DIAGRAM (EXISTING BUILDING)

GENERAL NOTES:

1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO SHOW EVERY FITTING (i.e. PULL BOX), ETC. THE CONTRACTOR SHALL COORDINATE WITH ALL TRADES PRIOR TO INSTALLATION OF ANY MATERIAL OR EQUIPMENT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL NEW FIRE ALARM DEVICES AND ASSOCIATED EQUIPMENT, CABLING AND CONDUIT TO THE NEW BASE BUILDING FIRE ALARM SYSTEM FOR A COMPLETE AND OPERABLE SYSTEM.
3. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE, THE NATIONAL FIRE ALARM CODE, THE NATIONAL ELECTRICAL CODE, THE REQUIREMENTS SET FORTH BY THE NEW AMERICANS WITH DISABILITIES ACT (A.D.A.)., AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
4. ALL NEW DEVICES SHALL BE COMPATIBLE WITH NEW FIRE ALARM PANEL AND WHITE IN COLOR.
5. ANY REQUIRED POWER FEED TO BE MIN. 2#12+G THHN OR THWN.
6. ALL JUNCTION AND PULL BOX COVERS TO BE PAINTED FIRE DEPT. RED.
7. ALL WIRING TO BE CHECKED AND DETERMINED TO BE FREE OF GROUND SHORTS AND HAVE PROPER POLARITY AND END OF LINE RESISTANCE.
8. PROVIDE ALL REQUIRED MODULES, WIRING AND PROGRAMMING TO ACCEPT NEW INDICATED DEVICES – ARRANGE FOR FILING AND ATTACH THE APPLICATION NUMBER OF THE CURRENT BASE BUILDING FIRE ALARM PLANS TO THE SUBMITTAL WITH THE NEW DEVICES ADDED WHERE APPLICABLE ON THE PLANS AND RISER.
9. ALL DEVICES ARE TO BE PROPERLY SUPPORTED WITH APPROPRIATE BRACKETS.
10. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE LOCAL BUILDING CODE AND THE NATIONAL ELECTRICAL CODE AND REQUIREMENTS SET FORTH BY THE NEW AMERICANS WITH DISABILITIES ACT (A.D.A.).
11. CONTRACTOR SHALL COORDINATE WITH BUILDING FIRE ALARM SERVICE VENDER BEFORE START OF ANY WORK.
12. ALL FIRE ALARM EXPOSED CABLE SHALL BE IN CONDUIT. EXCEPT WHERE INSTALLED IN MERs OVER 8' AFF.
13. ALL FIRE ALARM CABLE SHALL BE APPROVED FOR USE BY AUTHORITY HAVING JURISDICTION.
14. LOCATION OF ALL FIRE ALARM DEVICES AND EXPOSED CONDUITS ARE TO BE LOCATED IN FIELD WITH OWNER.

EMERGENCY COMMUNICATION SYSTEMS NOTE:

SYSTEMS SUCH AS SECURITY; LOCKDOWN; PUBLIC ANNOUNCEMENT; EMERGENCY COMMUNICATION SYSTEMS; MASS NOTIFICATION SYSTEM; BUILDING AUTOMATION SYSTEMS; ETC., WHICH CONNECT TO, OR ARE REQUIRED BY NFPA 72 TO CONNECT TO, THE FIRE ALARM SYSTEM, SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 72 NATIONAL FIRE ALARM CODE TO PROTECT THE INTEGRITY AND RELIABILITY OF THE FIRE ALARM SYSTEM, AND TO ISSUE A COORDINATED MESSAGE. OTHER NOTIFICATION SYSTEMS SHALL COORDINATE WITH THE FIRE ALARM NOTIFICATION SYSTEM TO AVOID CONFUSION OF DIRECTIONS AND INTENDED ACTIONS AND RESPONSE.

		CONTROL UNIT ANNUNCIATOR										NOTIFICATION			REQUIRED FIRE SAFETY CONTROL		CENTRAL OFFICE NOTIFICATION				
		ACTIVATE COMMON ALARM SIGNAL INDICATOR (LED)	ACTIVATE AUDIBLE ALARM SIGNAL (BUZZER ON FCS)	ACTIVATE COMMON SUPERVISORY SIGNAL INDICTOR (LED)	ACTIVATE AUDIBLE SUPERVISORY SIGNAL (BUZZER ON FCS)	ACTIVATE COMMON TROUBLE SIGNAL INDICATOR (LED)	ACTIVATE COMMON TROUBLE SIGNAL (BUZZER ON FCS)	ANNUNCIATE ALARM DEVICE BY FLOOR (LCD DISPLAY)	ANNUNCIATE SUPERVISORY DEVICE BY FLOOR (LCD DISPLAY)	ANNUNCIATE TROUBLE DEVICE BY FLOOR (LCD DISPLAY)	ACTIVATE ALL FLOOR HORNS	ACTIVATE ALL FLOOR STROBES		SHUTDOWN AC UNIT		TRANSMIT SMOKE/HEAT/DUCT DETECTOR ALARM SIGNAL	TRANSMIT MANUAL ALARM SIGNAL	TRANSMIT TROUBLE SIGNAL	TRANSMIT SUPERVISORY SIGNAL	TRANSMIT WATER FLOW ALARM SIGNAL
SYSTEM INPUTS		A	B	C	D	E	F	G	H	I	J	K	L	M		O	P	Q	R	S
SMOKE DETECTOR	1	X	X					X			X	X				X				
DUCT DETECTOR	2			X	X				X					X					X	
MANUAL PULL STATION	3	X	X					X			X	X					X			
FLOW SWITCH	4	X	X					X			X	X								X
TAMPER SWITCH	5			X	X				X										X	
FIRE ALARM AC POWER FAILURE	6			X	X				X									X		
FIRE ALARM SYSTEM LOW BATTERY	7					X	X			X								X		
OPEN CIRCUIT	8					X	X			X								X		
GROUND FAULT	9					X	X			X								X		
NOTIFICATION APPLIANCE CIRCUIT SHORT	10					X	X			X								X		

FIRE ALARM SYSTEM INPUT/OUTPUT MATRIX

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LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
FIRE ALARM NOTES, DETAILS & SCHEDULES (EXISTING BUILDING)

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS FA001E
SCALE AS NOTED
DRAWN BY LFG
FILE NO. 23505.02

PLOT DATE: December 06, 2024 - 8:58am

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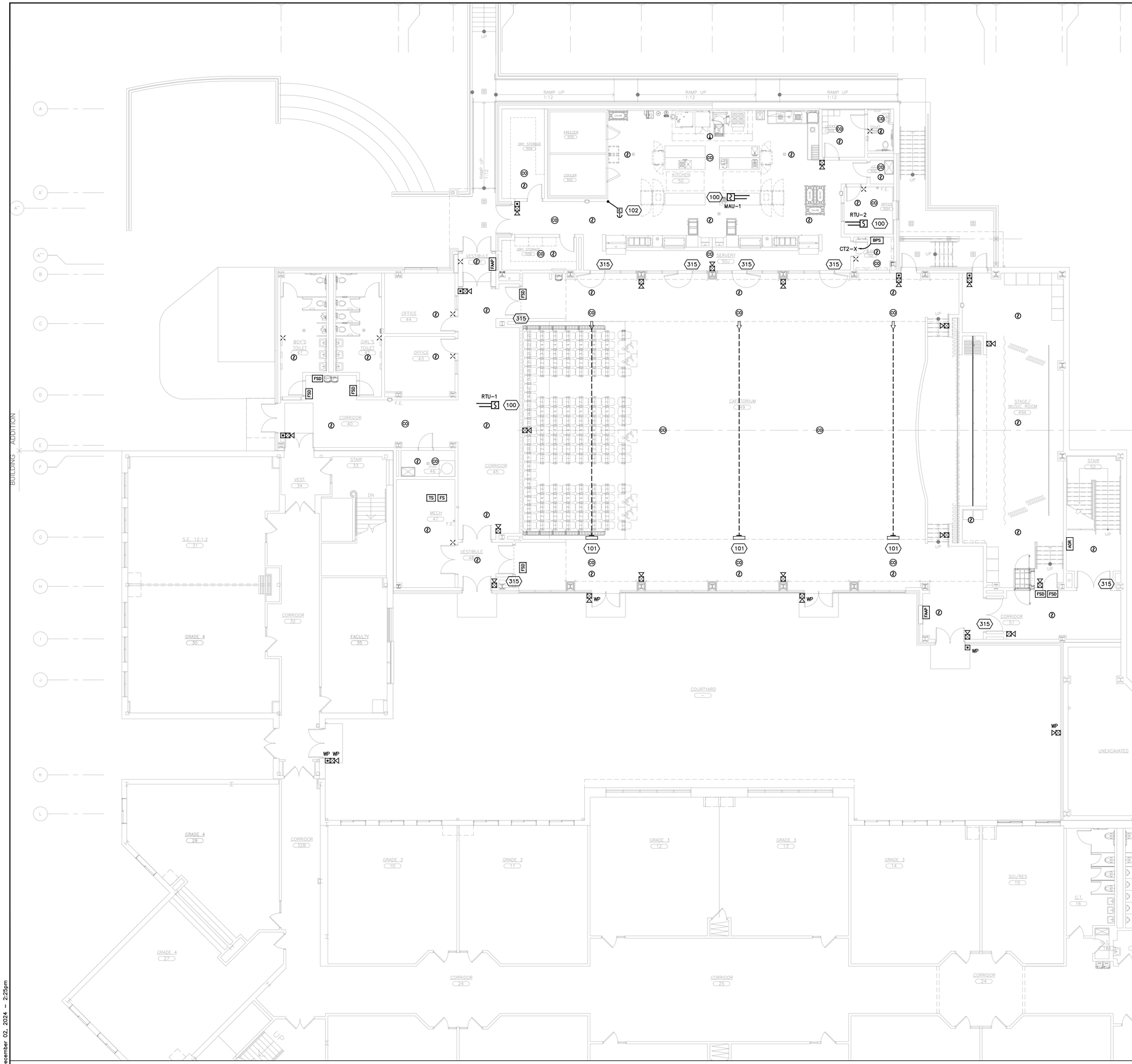

GENERAL NOTES:

1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO SHOW EVERY FITTING (i.e. PULL BOX), ETC. THE CONTRACTOR SHALL COORDINATE WITH ALL TRADES PRIOR TO INSTALLATION OF ANY MATERIAL OR EQUIPMENT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL NEW FIRE ALARM DEVICES AND ASSOCIATED EQUIPMENT, CABLING AND CONDUIT TO THE NEW BASE BUILDING FIRE ALARM SYSTEM FOR A COMPLETE AND OPERABLE SYSTEM.
3. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE, THE NATIONAL FIRE ALARM CODE, THE NATIONAL ELECTRICAL CODE, THE REQUIREMENTS SET FORTH BY THE NEW AMERICANS WITH DISABILITIES ACT (A.D.A.), AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
4. ALL NEW DEVICES SHALL BE COMPATIBLE WITH NEW FIRE ALARM PANEL AND WHITE IN COLOR.
5. ANY REQUIRED POWER FEED TO BE MIN. 2#12+G THHN OR THWN.
6. ALL JUNCTION AND PULL BOX COVERS TO BE PAINTED FIRE DEPT. RED. ALL DEVICE COLORS TO BE COORDINATED WITH OWNER/ARCHITECT.
7. ALL WIRING TO BE CHECKED AND DETERMINED TO BE FREE OF GROUND SHORTS AND HAVE PROPER POLARITY AND END OF LINE RESISTANCE.
8. PROVIDE ALL REQUIRED MODULES, WIRING AND PROGRAMMING TO ACCEPT NEW INDICATED DEVICES – ARRANGE FOR FILING AND ATTACH THE APPLICATION NUMBER OF THE CURRENT BASE BUILDING FIRE ALARM PLANS TO THE SUBMITTAL WITH THE NEW DEVICES ADDED WHERE APPLICABLE ON THE PLANS AND RISER.
9. ALL DEVICES ARE TO BE PROPERLY SUPPORTED WITH APPROPRIATE BRACKETS.
10. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE LOCAL BUILDING CODE AND THE NATIONAL ELECTRICAL CODE AND REQUIREMENTS SET FORTH BY THE NEW AMERICANS WITH DISABILITIES ACT (A.D.A.).
11. CONTRACTOR SHALL COORDINATE WITH BUILDING FIRE ALARM SERVICE VENDER BEFORE START OF ANY WORK.
12. ALL FIRE ALARM EXPOSED CABLE SHALL BE IN CONDUIT. EXCEPT WHERE INSTALLED IN MERs OVER 8' AFF.
13. ALL FIRE ALARM CABLE SHALL BE APPROVED FOR USE BY AUTHORITY HAVING JURISDICTION.
14. LOCATION OF ALL FIRE ALARM DEVICES AND EXPOSED CONDUITS ARE TO BE LOCATED IN FIELD WITH OWNER.
15. ALL CONDUIT FOR LIGHTING, POWER AND LOW VOLTAGE WIRING SHALL BE RUN WITHIN CMU BLOCK CELLS LOCATED IN FIELD WITH OWNER PRIOR TO INSTALLATION. EXPOSED CONDUIT TO BE PAINTED, COLOR TO BE DETERMINED.

FIRE ALARM CODED NOTES

(100) CONNECT DUCT MOUNTED SMOKE DETECTOR TO NEW FIRE ALARM CONTROL PANEL. PROVIDE CONTROL MODULE AND FAN SHUTDOWN RELAY FOR DEACTIVATION OF MECHANICAL EQUIPMENT UPON ALARM. SMOKE DETECTOR MUST BE INSTALLED IN AN ACCESSIBLE LOCATION. INSTALL REMOTE TEST/RESET STATION AS REQUIRED. COORDINATE LOCATION OF TEST STATION WITH G.C.

(101) BEAM SMOKE DETECTORS MUST BE INSTALLED IN AN ACCESSIBLE LOCATION. COORDINATE EXACT PLACEMENT AND QUANTITY REQUIRED FOR COMPLETE COVERAGE DUE TO OBSTRUCTIONS, RANGE LIMITATIONS OR ANY INTERFERENCE WITH DEVICE COVERAGE. INSTALL REMOTE TEST/RESET STATION AS REQUIRED. COORDINATE LOCATION OF TEST STATION WITH G.C.

(102) REMOTE MANUAL PULL STATION LOCATION FOR KITCHEN EXHAUST HOOD ANSUL SYSTEM. COORDINATE ALL SPECIFIC REQUIREMENTS WITH THE FIRE SUPPRESSION SYSTEM SUPPLIER. LOCATION OF CONTROLS, SOLENOID VALVES, EMERGENCY STOP DEVICES AND ALARMS SHALL BE COORDINATED WITH OWNER/ARCHITECT AND SUPPLIER.

(315) PROVIDE NEW MAGNETIC DOOR HOLD OPEN DEVICE PER DOOR FOR ALL CORRIDOR DOORS. CONNECT TO FIRE ALARM SYSTEM AS REQUIRED. COORDINATE WITH OWNER/ARCHITECT FOR EXACT DEVICE LOCATIONS AND MOUNTING REQUIREMENTS.

1 FIRE ALARM PLAN
SCALE: 1/8" = 1'-0"

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KEY PLAN

H.H. WRIGHT C.V. STARR

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LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR
RENOVATIONS & SITE IMPROVEMENTS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
GROUND FLOOR
FIRE ALARM PLAN

12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE: 30"x42"
DRAWING NO.: CVS FA100
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO.: 23505.02

PLOT DATE: December 02, 2024 - 2:25pm
FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 - Cafetorium\ACAD\Electrical\CVS PKG2_FA-100.dwg

GENERAL NOTES:

1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO SHOW EVERY FITTING (i.e. PULL BOX), ETC. THE CONTRACTOR SHALL COORDINATE WITH ALL TRADES PRIOR TO INSTALLATION OF ANY MATERIAL OR EQUIPMENT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL NEW FIRE ALARM DEVICES AND ASSOCIATED EQUIPMENT, CABLING AND CONDUIT TO THE NEW BASE BUILDING FIRE ALARM SYSTEM FOR A COMPLETE AND OPERABLE SYSTEM.
3. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE, THE NATIONAL FIRE ALARM CODE, THE NATIONAL ELECTRICAL CODE, THE REQUIREMENTS SET FORTH BY THE NEW AMERICANS WITH DISABILITIES ACT (A.D.A.), AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
4. ALL NEW DEVICES SHALL BE COMPATIBLE WITH NEW FIRE ALARM PANEL AND WHITE IN COLOR.
5. ANY REQUIRED POWER FEED TO BE MIN. 2#12+G THHN OR THWN.
6. ALL JUNCTION AND PULL BOX COVERS TO BE PAINTED FIRE DEPT. RED. ALL DEVICE COLORS TO BE COORDINATED WITH OWNER/ARCHITECT.
7. ALL WIRING TO BE CHECKED AND DETERMINED TO BE FREE OF GROUND SHORTS AND HAVE PROPER POLARITY AND END OF LINE RESISTANCE.
8. PROVIDE ALL REQUIRED MODULES, WIRING AND PROGRAMMING TO ACCEPT NEW INDICATED DEVICES – ARRANGE FOR FILING AND ATTACH THE APPLICATION NUMBER OF THE CURRENT BASE BUILDING FIRE ALARM PLANS TO THE SUBMITTAL WITH THE NEW DEVICES ADDED WHERE APPLICABLE ON THE PLANS AND RISER.
9. ALL DEVICES ARE TO BE PROPERLY SUPPORTED WITH APPROPRIATE BRACKETS.
10. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE LOCAL BUILDING CODE AND THE NATIONAL ELECTRICAL CODE AND REQUIREMENTS SET FORTH BY THE NEW AMERICANS WITH DISABILITIES ACT (A.D.A.).
11. CONTRACTOR SHALL COORDINATE WITH BUILDING FIRE ALARM SERVICE VENDER BEFORE START OF ANY WORK.
12. ALL FIRE ALARM EXPOSED CABLE SHALL BE IN CONDUIT. EXCEPT WHERE INSTALLED IN MERs OVER 8' AFF.
13. ALL FIRE ALARM CABLE SHALL BE APPROVED FOR USE BY AUTHORITY HAVING JURISDICTION.
14. LOCATION OF ALL FIRE ALARM DEVICES AND EXPOSED CONDUITS ARE TO BE LOCATED IN FIELD WITH OWNER.
15. ALL CONDUIT FOR LIGHTING, POWER AND LOW VOLTAGE WIRING SHALL BE RUN WITHIN CMU BLOCK CELLS LOCATED IN FIELD WITH OWNER PRIOR TO INSTALLATION. EXPOSED CONDUIT TO BE PAINTED, COLOR TO BE DETERMINED.

FIRE ALARM CODED NOTES

(100) CONNECT DUCT MOUNTED SMOKE DETECTOR TO NEW FIRE ALARM CONTROL PANEL. PROVIDE CONTROL MODULE AND FAN SHUTDOWN RELAY FOR DEACTIVATION OF MECHANICAL EQUIPMENT UPON ALARM. SMOKE DETECTOR MUST BE INSTALLED IN AN ACCESSIBLE LOCATION. INSTALL REMOTE TEST/RESET STATION AS REQUIRED. COORDINATE LOCATION OF TEST STATION WITH G.C.

(315) PROVIDE NEW MAGNETIC DOOR HOLD OPEN DEVICE PER DOOR FOR ALL CORRIDOR DOORS. CONNECT TO FIRE ALARM SYSTEM AS REQUIRED. COORDINATE WITH OWNER/ARCHITECT FOR EXACT DEVICE LOCATIONS AND MOUNTING REQUIREMENTS.

EXISTING FIRE ALARM CONTROL PANEL

1 FIRE ALARM PLAN
SCALE: 1/8" = 1'-0"

PLOT DATE: December 02, 2024 – 2:29pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 – Cafetorium\ACAD\Electrical\CVS PKG2_FA–101.dwg

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252 East Avenue
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(203) 866-6644
(203) 866-8019 Fax

LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & ATHLETIC WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
FIRST FLOOR
FIRE ALARM PLAN

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS FA101
SCALE AS NOTED
DRAWN BY LFG
FILE NO. 23505.02

GENERAL NOTES:

1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO SHOW EVERY FITTING (i.e. PULL BOX), ETC. THE CONTRACTOR SHALL COORDINATE WITH ALL TRADES PRIOR TO INSTALLATION OF ANY MATERIAL OR EQUIPMENT.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL NEW FIRE ALARM DEVICES AND ASSOCIATED EQUIPMENT, CABLING AND CONDUIT TO THE NEW BASE BUILDING FIRE ALARM SYSTEM FOR A COMPLETE AND OPERABLE SYSTEM.

3. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE, THE NATIONAL FIRE ALARM CODE, THE NATIONAL ELECTRICAL CODE, THE REQUIREMENTS SET FORTH BY THE NEW AMERICANS WITH DISABILITIES ACT (A.D.A.), AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.

4. ANY REQUIRED POWER FEED TO BE MIN. 2#12+G THHN OR THWN.

5. ALL JUNCTION AND PULL BOX COVERS TO BE PAINTED FIRE DEPT. RED. ALL DEVICE COLORS TO BE COORDINATED WITH OWNER/ARCHITECT.

6. ALL WIRING TO BE CHECKED AND DETERMINED TO BE FREE OF GROUND SHORTS AND HAVE PROPER POLARITY AND END OF LINE RESISTANCE.

7. PROVIDE ALL REQUIRED MODULES, WIRING AND PROGRAMMING TO ACCEPT NEW INDICATED DEVICES – ARRANGE FOR FILING AND ATTACH THE APPLICATION NUMBER OF THE CURRENT BASE BUILDING FIRE ALARM PLANS TO THE SUBMITTAL WITH THE NEW DEVICES ADDED WHERE APPLICABLE ON THE PLANS AND RISER.

8. ALL DEVICES ARE TO BE PROPERLY SUPPORTED WITH APPROPRIATE BRACKETS.

9. CONTRACTOR SHALL COORDINATE WITH BUILDING FIRE ALARM SERVICE VENDER BEFORE START OF ANY WORK.

10. ALL FIRE ALARM EXPOSED CABLE SHALL BE IN CONDUIT. EXCEPT WHERE INSTALLED IN MERs OVER 8' AFF.

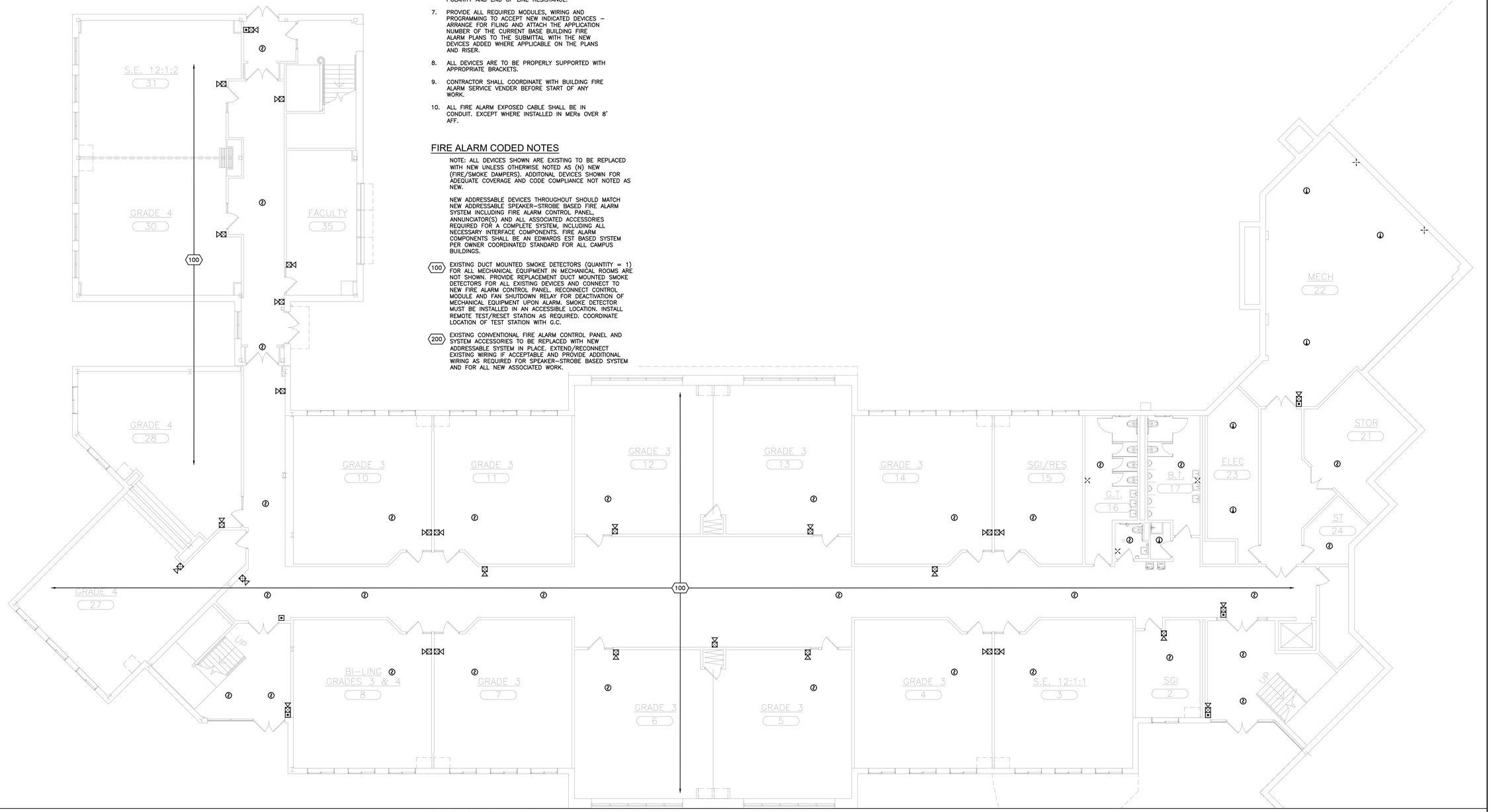
FIRE ALARM CODED NOTES

NOTE: ALL DEVICES SHOWN ARE EXISTING TO BE REPLACED WITH NEW UNLESS OTHERWISE NOTED AS (N) NEW (FIRE/SMOKE DAMPERS). ADDITONAL DEVICES SHOWN FOR ADEQUATE COVERAGE AND CODE COMPLIANCE NOT NOTED AS NEW.

NEW ADDRESSABLE DEVICES THROUGHOUT SHOULD MATCH NEW ADDRESSABLE SPEAKER–STROBE BASED FIRE ALARM SYSTEM INCLUDING FIRE ALARM CONTROL PANEL, ANNUNCIATOR(S) AND ALL ASSOCIATED ACCESSORIES REQUIRED FOR A COMPLETE SYSTEM, INCLUDING ALL NECESSARY INTERFACE COMPONENTS. FIRE ALARM COMPONENTS SHALL BE AN EDWARDS EST BASED SYSTEM PER OWNER COORDINATED STANDARD FOR ALL CAMPUS BUILDINGS.

(100) EXISTING DUCT MOUNTED SMOKE DETECTORS (QUANTITY = 1) FOR ALL MECHANICAL EQUIPMENT IN MECHANICAL ROOMS ARE NOT SHOWN. PROVIDE REPLACEMENT DUCT MOUNTED SMOKE DETECTORS FOR ALL EXISTING DEVICES AND CONNECT TO NEW FIRE ALARM CONTROL PANEL. RECONNECT CONTROL MODULE AND FAN SHUTDOWN RELAY FOR DEACTIVATION OF MECHANICAL EQUIPMENT UPON ALARM. SMOKE DETECTOR MUST BE INSTALLED IN AN ACCESSIBLE LOCATION. INSTALL REMOTE TEST/RESET STATION AS REQUIRED. COORDINATE LOCATION OF TEST STATION WITH G.C.

(200) EXISTING CONVENTIONAL FIRE ALARM CONTROL PANEL AND SYSTEM ACCESSORIES TO BE REPLACED WITH NEW ADDRESSABLE SYSTEM IN PLACE. EXTEND/RECONNECT EXISTING WIRING IF ACCEPTABLE AND PROVIDE ADDITIONAL WIRING AS REQUIRED FOR SPEAKER–STROBE BASED SYSTEM AND FOR ALL NEW ASSOCIATED WORK.



1 FIRE ALARM PLAN
SCALE: 1/8" = 1'-0"

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H.H. WEL
C.V. STARR

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(203) 866-0819 Fax

LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
RENOVATIONS & ADDITION, INTERIOR
REPLACEMENT OF MECHANICAL EQUIPMENT
257 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
GROUND FLOOR
FIRE ALARM PLAN
(EXISTING BUILDING)

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS FA102
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO.: 23505.02

PLOT DATE: December 06, 2024 - 8:59am

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 3 – BCS Upgrades\ACAD\Electrical\CVS PKG2_FA–102 – Copy.dwg

GENERAL NOTES:

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FIRE ALARM CODED NOTES

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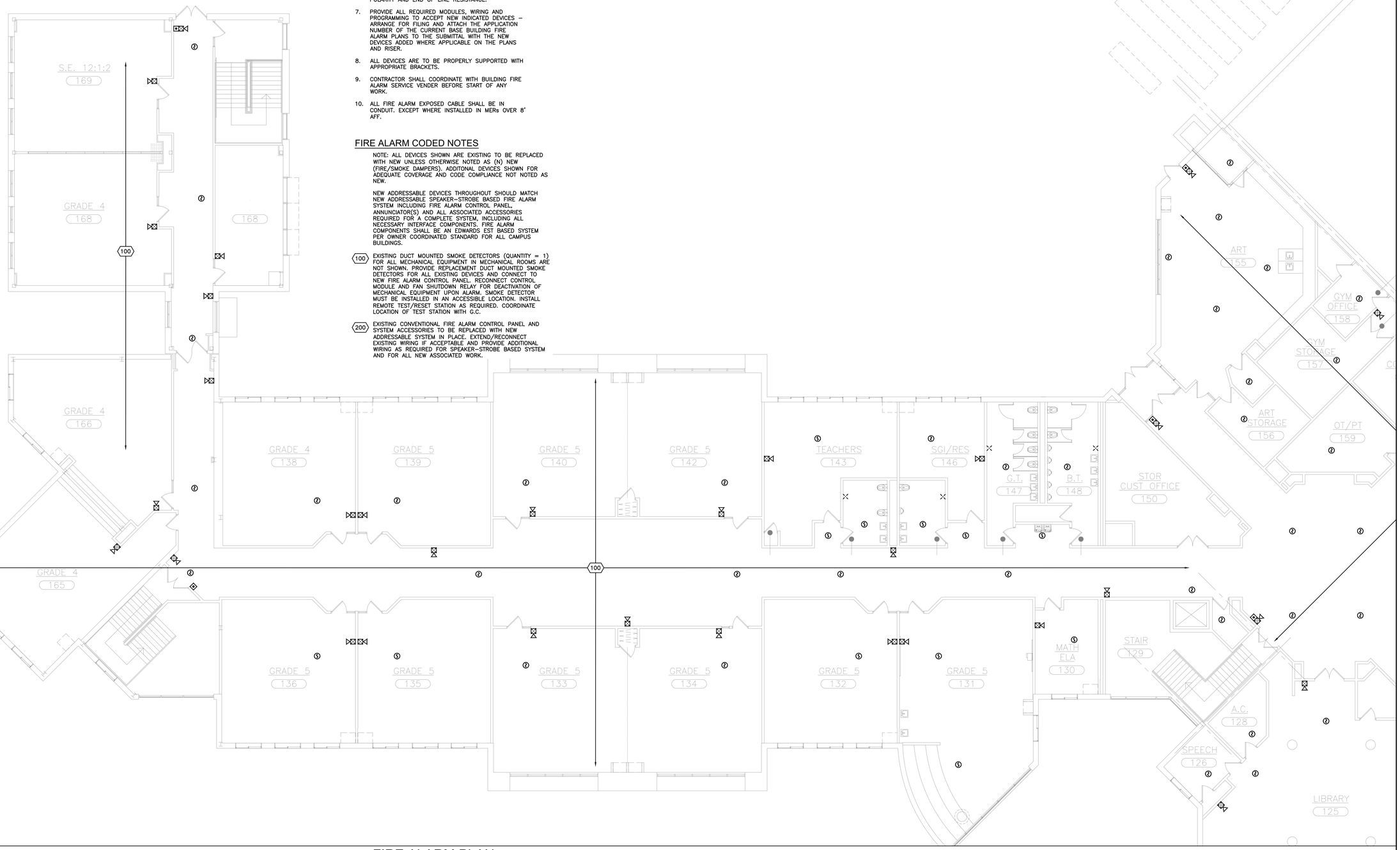

1 FIRE ALARM PLAN
SCALE: 1/8" = 1'-0"

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(203) 866-8019 Fax

LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-05-01-06-0-001-026

PROJECT TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
RENOVATION & ADDITION, INTERIOR
CAFETORIUM & SITE IMPROVEMENTS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

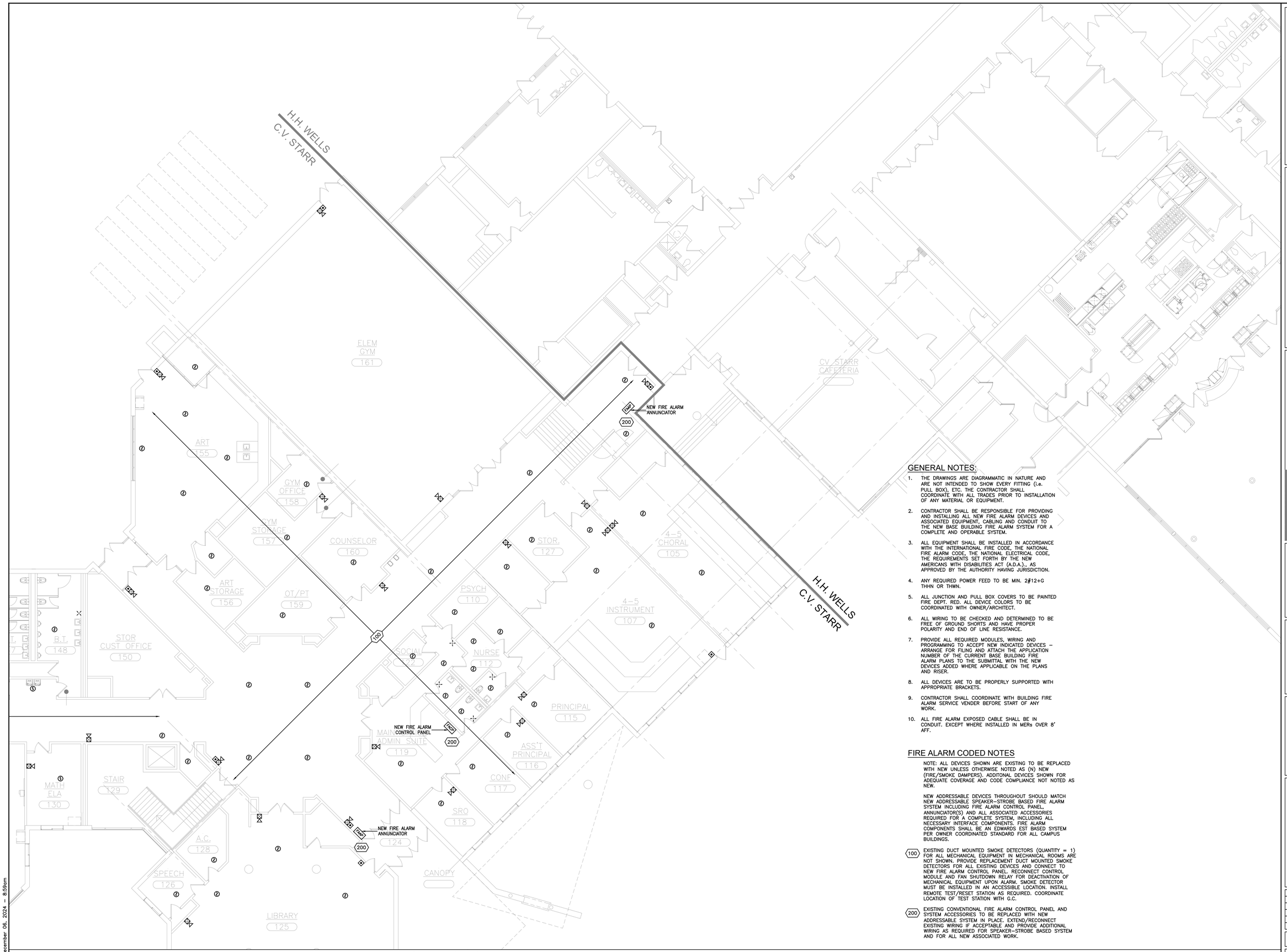
DRAWING TITLE:
FIRST FLOOR
FIRE ALARM PLAN
(EXISTING BUILDING)

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS FA103A
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO.: 23505.02

PLOT DATE: December 06, 2024 - 9:00am

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 3 – BCS Upgrades\ACAD\Electrical\CVS PKG2_FA-103A_FA-103B – Copy.dwg



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LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
FIRST FLOOR
FIRE ALARM PLAN
(EXISTING BUILDING)

12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE 30"x42" | DRAWING NO. CVS FA103B
SCALE AS NOTED | FILE NO. 23505.02
DRAWN BY LFG

PLOT DATE: December 06, 2024 - 8:59am

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 3 – BCS Upgrades\ACAD\Electrical\CVS PKG2_FA-103A_FA-103B – Copy.dwg

PLUMBING EQUIPMENT SCHEDULE

FCO — FLOOR CLEANOUT: JAY R. SMITH MODEL #4023S, ROUND NICKEL BRONZE TOP WITH BRONZE PLUG, 4" NO-HUB SPIGOT OUTLET, ADJUSTABLE HEIGHT BEFORE/AFTER CONCRETE POUR, DUCO COATED. INSTALL PER MANUFACTURERS RECOMMENDATIONS.

FD-1 — FLOOR DRAIN JAY R. SMITH; MODEL #2005Y-06-NB, 6" DIAMETER SQUARE STRAINER (12.55Q IN.) 3" OUTLET, NO-HUB SPIGOT OUTLET, WITH 1/2" TRAP PRIMER CONNECTION

FS-1 — FLOOR SINK JAY R. SMITH; MODEL #325-Y03, 12"x12"x6" FLOOR SINK WITH FLANGE, 3" NO-HUB OULET, ENAMEL COATED.

SA-1 — SHOCK ABSORBER: JOSAM "ABSORBOTRON II" MODEL #75000, 1" NPT, ALL STAINLESS STEEL, INSTALL PER MANUFACTURERS RECOMMENDATIONS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

TP-1 — TRAP PRIMER VALVE: PRECISION PLUMBING PRODUCTS MODEL #PR-500, LEAD FREE AUTOMATIC TRAP PRIMER, 1/2" INLET/OUTLET, BRASS, W/INTEGRAL VACUUM BREAKER. INSTALL PER MANUFACTURERS RECOMMENDATIONS.

GI-1 — GREASE INTERCEPTOR: HIGHLAND TANK MODEL #HM-100-93, 350 GALLON SINGLE WALL UNDERGROUND TANK, 7 GAUGE CARBON STEEL, HIGHGAURD POLYURETHANE EXTERIOR COATING, 4" SCHEDULE 40 INLET & OUTLET, 2" VENT PER PIPE CONNECTION, TANK WITH 24"ø MANWAY AND STACKABLE RISERS, 36" MANWAY AT GRADE LEVEL, (2) CONCRETE DEADMAN (ANCHORS) AND (2) POLYESTER HOLD-DOWN STRAPS. 60" MAXIMUM BURIAL DEPTH AT INLET CONNECTION.

RD-1 — ROOF DRAIN JAY R. SMITH MODEL #1011YC, 15" DIAMETER ROOF DRAIN 4" OUTLET, DURA-CAST CAST IRON BODY, FLASHING CLAMP, STAINLESS STEEL PERFORATED GRAVEL GUARD,

OFD-1 — ROOF DRAIN: JAY R. SMITH MODEL #1070-100-SP2, 15" DIAMETER ROOF DRAIN 4" OUTLET, DURA-CAST CAST IRON BODY, FLASHING CLAMP, GRAVEL STOP, P.V.C. STANDPIPE

OFD-2 — ROOF DRAIN: JAY R. SMITH MODEL #1070-100-SP2, 15" DIAMETER ROOF DRAIN 6" OUTLET, DURA-CAST CAST IRON BODY, FLASHING CLAMP, GRAVEL STOP, P.V.C. STANDPIPE

OFN-1 — DOWNSPOUT NOZZLE: JAY R. SMITH MODEL #1770Y-ADA-08-BS-NB, 4" DIAMETER INLET, BIRD SCREEN, NO-HUB ADAPTOR (MODEL #2646Y 8") NICKEL BRONZE BODY. ALTERNATE DOWNSPOUT NOZZLE: ZURN MODEL #Z199-ZANB-SS-NH, 4" DIAMETER INLET, STAINLESS STEEL BIRD SCREEN, NO-HUB, NICKEL BRONZE BODY.

OFN-2 — DOWNSPOUT NOZZLE: JAY R. SMITH MODEL #1770Y-ADA-08-BS-NB, 6" DIAMETER INLET, BIRD SCREEN, NO-HUB ADAPTOR (MODEL #2646Y 8") NICKEL BRONZE BODY. ALTERNATE DOWNSPOUT NOZZLE: ZURN MODEL #Z199-ZANB-SS-NH, 6" DIAMETER INLET, STAINLESS STEEL BIRD SCREEN, NO-HUB, NICKEL BRONZE BODY.

HB-1 — HOSE BIBB: JAY R. SMITH MODEL #5609QT-IC1, 1" MALE NPT INLET, 1/4 TURN NON-FREEZE WALL HYDRANT WITH INTEGRAL VACUUM BREAKER, BRONZE NICKEL PLATED BODY, REMOVABLE KEY. WATER INLET CONNECTION SHALL BE WITHIN HEATED SPACE.

CS-1 — HOT WATER BALANCING VALVE: CIRCUITSOLVER MODEL #CSUTD-D-3/4-105/170-CV1-TW, 3/4" INLET & OUTLET, INTEGRAL CHECK VALVE, EXTERNAL MOUNT THERMOMETER, BRASS CONSTRUCTION, LEAD FREE, Cv; MAX 1.8 OPEN, DESIGN 0.85

P-1 — CIRCULATOR PUMP: TACO MODEL #VR3450-HY1-FS2A00 (0034e-SF2), 3/4" INLET, 3GPM, 16.4FT HEAD. STAINLESS STEEL CASING ONLY IN OPEN LOOP SYSTEM, PROVIDE AQUASTAT AT FURTHEST POINT OF TRUNK (SEE PLUMBING FLOOR PLAN)

HB-1 — HOSE BIBB: JAY R. SMITH MODEL #5609QT, 1/4 TURN FULL FLOW WITH KEY, 1" MALE NPT INLET CONNECTION AND "NO-LEAD" BRAZING RINGS. FINAL WALL THICKNESS TO BE DETERMINED IN FIELD PRIOR TO ORDERING.

MV-1 — MIXING VALVE: WATTS MODEL #LFLM491-1, 3/4" THREADED CONNECTIONS, LEAD FREE BRASS BODY, ADJUSTABLE TEMPERATURE SELECTION WITH LOCK DOWN, UNION CONNECTIONS, INTEGRAL CHECKS AND SCREEN. 125 PSI MAX PRESSURE AND 200°F MAX OPERATING TEMP. SET MIXING VALVE OUTLET AT A MAXIMUM TEMPERATURE OF 110°F TO FIXTURES.

MV-2 — MIXING VALVE: WATTS MODEL #LFUSG-HWP, LEAD FREE BRASS BODY, TEMPERATURE WATER ADJUSTMENT TAMPER RESISTANT LOCKING NUT, BUILT IN CHECK VALVE WITH SS STRAINER. ALL MIXING VALVES SHALL CONFORM TO ASSE 1070 PER LATEST IPC.

AS-1 — AIR SEPARATOR: SPIROTECH MODEL #SPIROTOP, 3/4" BRASS, 180DEG MAX.

SP-1 — SUMP PUMP: (24"X24"D SUMP PIT) STANCOR MODEL: SE50 SIMPLEX OIL-MINDER SYSTEM SUDMERSIBLE PUMP, NEMA 4x OIL MINDER CONTROL PANEL, OIL PROBE, FLOAT SWITCHES, INDICATOR LIGHTS, WATER ALARMS, 6' CORD, SCREENED INLET, 75 GPM, 2" DISCHARGE, 115V, 8 AMPS, 1/2 HP, 5' HEAD @ 4500 GPH, W/25' PWR. CORD

PRV-1 — PRESSURE REDUCING VALVE – WATTS MODEL#LF127W, 3" FLANGED INLET/OUTLET, LEAD FREE CAST COPPER SILICON ALLOY BODY, REPLACEABLE SS SEATS, SS STEM, TEMPERATURE RANGE 33°F-160°F, MAXIMUM WORKING PRESSURE 175PSI, ADJUSTABLE PRESSURE RANGE SET TO 60PSI.

PRV-2 — PRESSURE REDUCING VALVE – WATTS MODEL#LF223, 1" THREADED INLET/OUTLET, LEAD FREE CAST COPPER SILICON ALLOY BODY, IRON SPRING CAGE, SS STEM, TEMPERATURE RANGE 33°F-160°F. MAXIMUM WORKING PRESSURE 300PSI, ADJUSTABLE PRESSURE RANGE 25-75PSI. SET 10PSI HIGHER THAN PRV-1 (WATTS #LF127W).

PRV-2 — PRESSURE REDUCING VALVE – WATTS MODEL#LF223, 1" THREADED INLET/OUTLET, LEAD FREE CAST COPPER SILICON ALLOY BODY, IRON SPRING CAGE, SS STEM, TEMPERATURE RANGE 33°F-160°F,

PLUMBING GENERAL NOTES

1. GENERAL NOTES, SYMBOLS LIST AND DETAILS ARE APPLICABLE TO ALL DRAWINGS MARKED P.
2. DRAWINGS ARE DIAGRAMMATIC: DETERMINE LOCATIONS OF PLUMBING SYSTEMS AND COMPONENTS IN FIELD.
3. NEITHER ACCURACY NOR COMPLETION OF UTILITY LOCATIONS SHOWN ON DRAWINGS IS GUARANTEED. DETERMINE EXACT LOCATIONS OF EXISTING PLUMBING IN FIELD PERTAINING TO SCOPE OF WORK, WHETHER OR NOT SHOWN ON DRAWINGS. EXERCISE CAUTION AND IDENTIFY LOCATIONS OF UNMARKED UTILITY LINES AS NECESSARY TO PERFORM WORK OF THIS SECTION.
4. ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE CURRENT PLUMBING CODE AND ALL APPLICABLE LOCAL CODES AND DRAWINGS.
5. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES, INCLUDING (BUT NOT LIMITED TO), ELECTRICAL, HVAC PROCESS PIPING, SPRINKLER, PLUMBING, STRUCTURAL, AND GENERAL ARCHITECTURE.
6. ANY INTERFERENCE SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND THE OWNER'S REPRESENTATIVE, AND SHALL BE RESOLVED PRIOR TO INSTALLATION OF THE WORK INVOLVED.
7. NO WORK SHALL BE INSTALLED IN VIOLATION OF ANY GOVERNING CODES. ANY WORK SHOWN ON THE DRAWINGS WHICH IS IN VIOLATION OF SUCH CODES SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND THE OWNER'S REPRESENTATIVE AND SHALL BE RESOLVED PRIOR TO THE INSTALLATION OF THE WORK INVOLVED.
8. ALL PIPING PENETRATING CEILING AND WALLS SHALL BE INSTALLED WITH CHROME (STAINLESS WHERE NOTED) PLATED ESCUTCHEONS AT THE PENETRATION. PIPING PENETRATING RATED PARTITIONS SHALL BE PROTECTED AS REQUIRED BY LOCAL CODE AUTHORITY (SEE DETAILS).
9. MANUFACTURER'S MODEL NUMBERS ARE SPECIFIED SOLELY TO ESTABLISH MINIMUM STANDARDS OF QUALITY FOR PERFORMANCE AND MATERIALS.
10. PRODUCTION INSTALLATION SHALL ADHERE TO MANUFACTURERS' RECOMMENDATIONS.
11. PROVIDE ACCESS PANELS FOR EQUIPMENT THAT REQUIRES PERIODIC SERVICE.
12. ALL PIPING ABOVE GRADE SHALL BE PROPERLY SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE.
13. CONTRACTOR SHALL COORDINATE WITH AN ELECTRICAL CONTRACTOR AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT. THE ELECTRICAL CONTRACTOR SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN HEREIN PER NYC ELECTRICAL CODE AND LOCAL CODE REQUIREMENTS.
14. PROVIDE SHUTOFF VALVES ON ALL BRANCH PIPING AND ON ALL SUPPLIES TO INDIVIDUAL FIXTURES AND EQUIPMENT. PROVIDE BALL VALVES ON ALL WATER MAIN BRANCHES IN CORRIDORS IF POSSIBLE AND ALL VALVES SHALL BE ACCESSIBLE VIA ACCESS PANEL.
15. ALL SLEEVES THROUGH CONCRETE FLOORS AND ALL CORE DRILLING OF CONCRETE FLOORS AND WALLS SHALL BE BY THIS CONTRACTOR.
16. SCHEDULE WORK OF THIS SECTION TO AVOID INTERFERENCE WITH FIRE-PROOFING WORK.
17. RUN PIPING CONCEALED, UNLESS SPECIFIED OTHERWISE, AND CLEAR OF CEILING INSERTS.
18. STRUCTURAL WELDING SHALL BE 1/4-INCH FILLET UNLESS REQUIRED OTHERWISE. COORDINATE WITH STRUCTURAL ENGINEER AND ARCHITECT FOR FURTHER GUIDANCE.
19. PROVIDE APPROVED CLAMPS, OFFSETS, EXPANSION JOINTS, ANCHORS AND GUIDES AS NECESSARY TO PREVENT STRESS ON PIPING.
20. PROVIDE VENTS AT HIGH POINTS IN PIPING SYSTEMS. WHERE APPLICABLE ADD DRAIN VALVES AT LOW POINTS.
21. VERIFY EXACT SIZES, LOCATIONS, INVERTS AND ELEVATIONS PRIOR TO RUNNING ANY PIPING. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL FIXTURES AND EQUIPMENT.

PLUMBING SYMBOL LIST

NOTE: NOT ALL SYMBOLS ARE USED

SYMBOL	DESCRIPTION
	EXISTING PIPING TO REMAIN
	EXISTING PIPING TO BE REMOVED
	SANITARY PIPE ABOVE FLOOR/SLAB (S)
	SANITARY PIPE BELOW FLOOR/SLAB (S)
	FATS, OILS, GREASE SANITARY PIPE ABOVE FLOOR/SLAB (S)
	FATS, OILS, GREASE SANITARY PIPE BELOW FLOOR/SLAB (S)
	STORM WATER PIPE ABOVE FLOOR/SLAB (ST)
	STORM WATER PIPE BELOW FLOOR/SLAB (ST)
	STORM WATER OVERFLOW PIPE ABOVE FLOOR/SLAB (OF)
	STORM WATER OVERFLOW PIPE BELOW FLOOR/SLAB (OF)
	VENT PIPE (V)
	EXISTING COLD WATER PIPING
	EXISTING HOT WATER PIPING
	EXISTING HOT WATER RETURN PIPING
	COLD WATER PIPING (CW)
	HOT WATER PIPING (HW)
	HOT WATER RETURN PIPING (HWR)
	HEAT TRACE (HT)
	COLD WATER PIPING UNDER GROUND(CW)
	UNDER GROUND DOMESTIC WATER PRE-INSULATED PEX PIPING
	GAS PIPING
IW	INDIRECT WASTE PIPING
TP	TRAP PRIMER PIPING
	DIRECTION OF FLOW
	PIPE RISE OR UP THRU SLAB
	PIPE DROP OR DOWN THRU SLAB
	BOTTOM OF PIPE TAKE-OFF CONNECTION
	TOP OF PIPE TAKE-OFF CONNECTION
	P-TRAP
	CAP PIPE OUTLET
	CLEANOUT (CO)
	UNION
	VALVE IN RISE / VERTICAL
	POINT OF NEW CONNECTION
	FLOOR DRAIN
	BALL VALVE
	COLD WATER SUPPLY SHUT OFF VALVE
	GAS SHUT OFF VALVE
AV-1	AIR ADMITTANCE VALVE
	PULSATION DAMPER
	CHECK VALVE
	MIXING VALVE
HB-1	HOSE BIBB
S	SOLENOID VALVE
	STRAINER
	PRESSURE RELIEF VALVE
	AQUASTAT

PLAN NUMBER (#) / P-XX

TRADE & SHEET NUMBER

PLUMBING ABBREVIATION LIST

SYMBOL	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
ADA	HANDICAPPED ACCESSIBLE
CO	CLEANOUT
CV	CHECK VALVE
CW	COLD WATER
CLG	CEILING
CONN	CONNECT
CONT	CONTINUATION
DN	DOWN (PENETRATES FLOOR SLAB)
DR	DRAIN
DPCO	DECK PLATE CLEANOUT
DWG	DRAWING
EX	EXISTING
EL	ELEVATION
EW2	ELECTRIC WATER COOLER – HANDICAPPED ACCESSIBLE
F1 or F2	FLOOR DRAIN
FL	FLOOR
F.O.G.	FATS, OILS, GREASE SANITARY
HWR	HOT WATER RECIRCULATION
IW	INDIRECT WASTE
L1 or L2	LAVATORY
LV	LAVATORIES
MIN	MINIMUM
MTD	MOUNTED
NTS	NOT TO SCALE
OF	STORM WATER OVERFLOW
OFD	STORM WATER OVERFLOW DRAIN
S	SANITARY
ST	STORM WATER
SK	SINK
RD	ROOF DRAIN
TYP	TYPICAL
UP	UP (PENETRATES FLOOR SLAB)
U1 or U2	URINAL
V or VNT	VENT
VTR	VENT THROUGH ROOF
VIF	VERIFY IN FIELD
W	WASTE
W1, W2, or W3	WATER CLOSET
WCO	WALL CLEANOUT
WH	WATER HEATER

WATER HEATER SCHEDULE

DESIGNATION	NO. REQUIRED	MANUFACTURER AND MODEL NUMBER	ASME VESSEL REQUIRED	STORAGE WATER TEMPERATURE (DEG.F)	VOLUME/HEATER (GALS.)	RECOVERY/HEATER (GPH)	TEMPERATURE RISE (DEG.F)	MAXIMUM WATER FLOW (G.P.M.)	W.W.P. (PSIG.)	TEST PRESSURE (PSIG.)	DIAMETER (INCHES)	LENGTH/HEIGHT (INCHES)	GAS		ELECTRIC			REMARKS
													CONNECTION	INPUT MBH	ELECTRIC LOAD (AMPERES)	PHASE	VOLTAGE	
HWH-1	1	A.O. SMITH BDH-150(A)	YES	140°	100	178	100	–	150	160	28	77	3/4"	150	5.0	1	120	PROVIDE 6" PAD AND PRV PIPING SHALL BE 6" AFF. INSTALL CONDENSATE NEUTRALIZER BY MFG MODEL 100289339

KITCHEN EQUIPMENT SCHEDULE

ITEM NO	EQUIPMENT CATEGORY	QTY	HOT WATER SIZE (IN)	COLD WATER SIZE (IN)	DIRECT DRAIN SIZE (IN)	INDIR DRAIN SIZE (IN)	GAS SIZE (IN)	MBTUH	MANUFACTURER	MODEL NUMBER	EQUIPMENT REMARKS
5	REFRIGERATION TO ITEM #4	1							RDT POLARCRAFT	PCL035ZCT3A	COMPRESSOR UNIT
						3/4				BEL0130	EVAPORATOR COILS UNIT
11	REFRIGERATION TO ITEM #10	1							RDT POLARCRAFT	BEL0095	COMPRESSOR UNIT
						3/4					EVAPORATOR COILS UNIT
13	HAND SINK, WALL MNTD.	1	1/2	1/2	1-1/2				IMC/TEDDY	WS-1D	
15	HOSE REEL WITH GUN	1	1/2	1/2					T&S BRASS	B-7132-05	
16	EYE WASH STATION, WALL MNTD.	1	1/2	1/2	1-1/4				GUARDIAN	G1750P	
17	FILTER SYSTEM FOR ITEM #19/20	1		1/2					3M PURIFICATION	SGLP200-CL-BP	
19	OVEN-STEAMER, COMBI, GAS	1		3/4		2	3/4	106.5	RATIONAL	ICP-6 FULL NG	C.W. PIPED FROM ITEM #17
				3/4							
20	OVEN-STEAMER, COMBI, GAS	1		3/4		2	3/4	106.5	RATIONAL	ICP-6 FULL NG	C.W. PIPED FROM ITEM #17
				3/4							
22	OVEN, CONVECTION, GAS	1					3/4	120	GARLAND	MCO-GS-20-ESS	
23	FLOOR TROUGH	1			4				IMC/TEDDY	FT-2430-SG	
24	KETTLE, STEAM JACKETED	1	1/2	1/2			3/4	140	CLEVELAND RANGE	KGL-40-T	
25	RANGE, HEAVY DUTY, GAS	1					3/4	184	GARLAND	MST44R-E	
31	ADA HAND SINK, WALL MNTD.	1	1/2	1/2	1-1/2				IMC/TEDDY	ADA-WS-1D	
32	3-COMPARTMENT SINK, POTWASH	1	1/2	1/2		1-1/2			IMC/TEDDY	SCS-34-2028-24RL	
						1-1/2					
						1-1/2					
36	DOOR-TYPE WAREWASHER, VENTLESS	1		3/4		1			CHAMPION INDUSTRIES	DH6000T-VHR	
				1/2							DRAIN TEMPERING KIT
40	ADA WORK TABLE W/ SINK	1	1/2	1/2		1-1/2			IMC/TEDDY	CUSTOM	
43	WORK TABLE W/ SINK	1	1/2	1/2		1-1/2			IMC/TEDDY	CUSTOM	
48	2-COMPARTMENT, PREP. TABLE	1	1/2	1/2		1-1/2			IMC/TEDDY	CUSTOM	
						1-1/2					
57	HAND SINK, BUILT-IN	1	1/2	1/2		1-1/2			IMC/TEDDY	CUSTOM	
60	HOT FOOD COUNTER	2				1			LTI	SIM-TW-4-60	
64	COLD FOOD COUNTER	2				1			LTI	SIM-TA-60	

PLUMBING FIXTURE SCHEDULE

FIXTURE NO.	DESCRIPTION			SERVICE CONNECTION						REMARKS
	FIXTURE	MANUFACTURER	MODEL NO.	S	W	V	CW	HW	NO. UNITS	
WC-1	WATER CLOSET	AMERICAN STANDARD	#2856.128	4"		2"	1"		7	ONE-PIECE ADA COMPLIANT HEIGHT WHITE
	SEAT	AMERICAN STANDARD	#5905.100							
	FLUSHOMETER	SLOAN	#ROYAL 111							FLUSH VOLUME 1.28 GPF (MAX)
	FIXTURE SUPPORT	JAY R. SMITH	#0211RY							
UR-1	URINAL	AMERICAN STANDARD	PINTBROOK	2"		1½"	½"		2	
	FLUSHOMETER	SLOAN	#186							FLUSH VOLUME 0.5 GPF (MAX)
LAV-1	LAVATORY	AMERICAN STANDARD	LUCERNE #0355.012	2"		1½"	½"	½"	7	WHITE WITH FAUCET HOLES ON 4" CENTERS
	FAUCET	ZURN	#Z6915-XL							FAUCET WITH P6900-MV
	- - -	- - -	- - -							TRUEBRO LAB SHIELD 2018-AS-L1
										INSTALL MV-2 MIXING VALVE. SEE SCHEDULE FOR DETAILS
MS-1	JANITOR'S SINK	ACORN: TERRAZZO-WARE	#TRH-362406-BDS	3"		1½"	½"	½"	1	OPTIONS TO INCLUDE. BDS: DOME STRAINER KBGS: 36" BUMPER GUARD KH36: 36" HOSE KMH: MOP HANGER
	FAUCET	AMERICAN STANDARD	#8345.115							
WF-1	WATER FOUNTAIN	ELKAY	#LZO8WSSK	1½"		1¼"	½"		1	STAINLESS STEEL ADA COMPLIANT PROVIDE ½" TO ⅜" REDUCER W/ UNPLATED COPPER TUBE POWER INSTALLED PER NFPA-70
	OPTIONS TO INCLUDE	ELKAY	#51300C (FILTER), #LKAPREZL (APRON), #MLP100 (CARRIER), #98551C (COVER)							
WF-2	WATER FOUNTAIN	ELKAY	#LZOOTL8WSSK	1½"		1¼"	½"		1	STAINLESS STEEL ADA COMPLIANT PROVIDE ½" TO ⅜" REDUCER W/ UNPLATED COPPER TUBE POWER INSTALLED PER NFPA-70
	OPTIONS TO INCLUDE	ELKAY	#51300C (FILTER), #LKAPREZL (APRON), #MLP200 (CARRIER), #98551C (COVER)							

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LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER: 48-06-01-06-0-001-026

PROJECT TITLE: BREWSTER CENTRAL SCHOOL DISTRICT C.V. STARR INTERMEDIATE SCHOOL CAFETORIUM ADDITION/INTERIOR RENOVATIONS AND SITE WORK 20 FARM TO MARKET ROAD BREWSTER, NY 10509

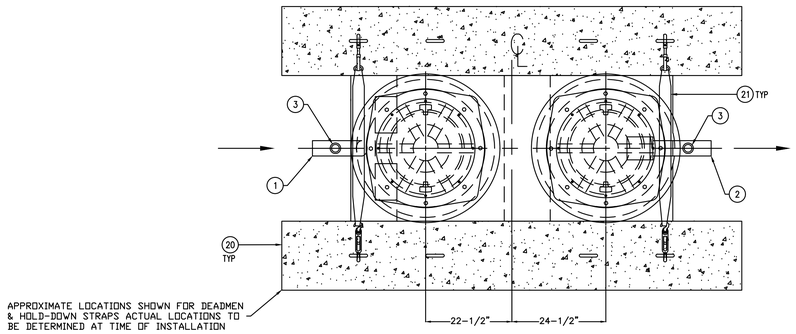
DRAWING TITLE: PLUMBING NOTES, SCHEDULES & LEGEND

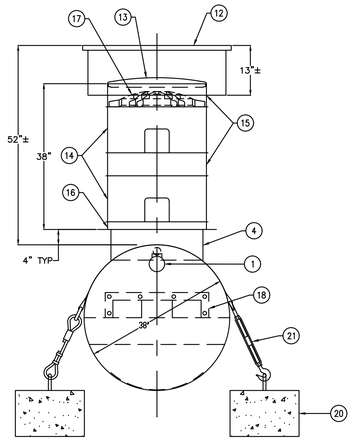
DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

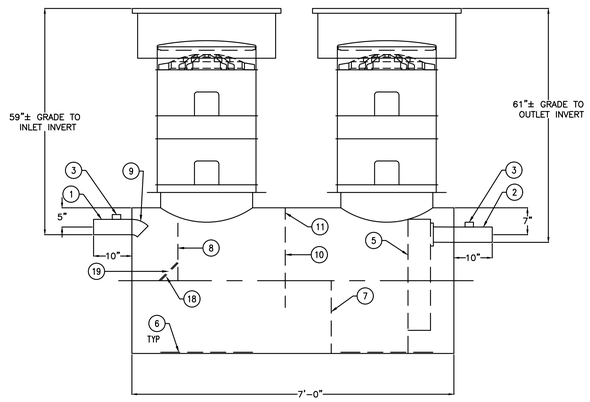
SHEET SIZE: 30"x42" | DRAWING NO.: CVS P001
SCALE: AS NOTED
DRAWN BY: LFG | FILE NO.: 23505.02

PLOT DATE: December 02, 2024 - 9:52am

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 – Cafetorium\ACAD\Plumbing\CVS PKG2_P-001_P-002.dwg







GENERAL SPECIFICATIONS

QUANTITY: ONE (1)
MODEL: HM-100-93
FLOW RATE: 100 GPM
LIQUID CAPACITY: 350 GALLONS
TYPE: SINGLE WALL, HIGHGUARD, UNDERGROUND
MATERIAL: 7 GA CARBON STEEL
MATERIAL BASED ON 60" MAXIMUM BURIAL DEPTH
LAP FIT AND WELD INTERIOR AND EXTERIOR SEAMS
TANK TEST: 3-5 PSI AIR TEST
SURFACE PREP: SSPC-SP 10 BLAST INTERIOR SURFACES
SSPC-SP 6 BLAST EXTERIOR SURFACES
EXT. COATING: HIGHGUARD POLYURETHANE - 75 MILS
INT. COATING: CHEMLINE 4200 PW (15 MILS DFT)
OPERATING PRESSURE: ATMOSPHERIC
NOTE: OPTIONAL 2" VENTS ON MANWAY RISERS AT THE DISCRETION OF THE OWNER

PROVIDED EQUIPMENT

1. 4"ø SCH 40 PIPE STUB - INLET
2. 4"ø SCH 40 PIPE STUB - OUTLET
3. 2" HC - VENT
4. 24"ø MANWAY FOR STACKABLE RISER
5. STEEL OUTLET DOWNCOMER BAFFLE WITH OPEN TOP
6. STRIKER PLATE
7. SLUDGE BAFFLE - 7 GA
8. UNDERFLOW BAFFLE - 7 GA
9. 4"ø 45° DIFFUSION ELBOW WITH WELDED INTERNAL 100 GPM FLOW CONTROL
10. GREASE DAM - 7 GA
11. 2" OPENING FOR AIR CIRCULATION
12. 36"ø GRADE-LEVEL MANWAY - SHIPPED LOOSE
13. 24"ø PVC COVER
14. (2) 24"ø x 12" STACKABLE RISER - ALL STACKABLE RISER COMPONENTS ARE PRE-ASSEMBLED AND COMPLETE MANWAY RISER IS SHIPPED LOOSE
15. (2) 24"ø x 6" STACKABLE RISER
16. STACKABLE RISER ADAPTER RING & GASKET
17. STACKABLE RISER SAFETY SCREEN
18. REMOVABLE DIFFUSION PLATE - 7 GA
19. 6-1/2" x 8" WEAR PLATE - 1/4"
20. (2) CDA-15 CONCRETE DEADMAN
21. (2) POLYESTER HOLD-DOWN STRAPS

NOTE:
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Highland Tank®

HYDRO-MECHANICAL GREASE INTERCEPTOR
100 GPM

CUSTOMER: BREWSTER SCHOOL DISTRICT

PROJECT: 20 FARM TO MARKET RD, BREWSTER, NY

ORDER:

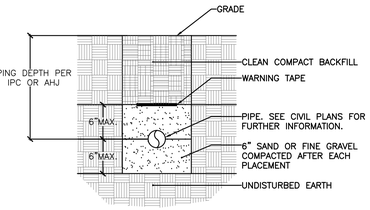
QUOTE NO.:	SCALE:	DATE:	ENG. BY:	ENG. NO.:
DIMENSION TOLERANCE: ± 1"	NTS	7/9/20	MCS	HM-100-93

GENERAL NOTES:
ALL BACKFILL SAND AND FINE GRAVEL SHALL BE CLEAN AND FREE OF ROCK, CONSTRUCTION MATERIAL, DEBRIS, ETC. TO MINIMIZE DAMAGE OF BURIED PIPING.

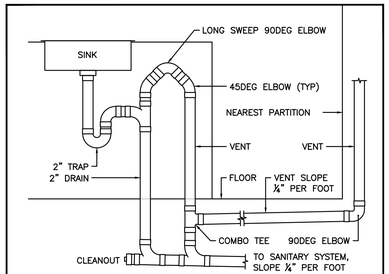
ALL BACKFILL SHALL BE COMPACT AND UNIFORM PRIOR TO INSTALLATION OF PIPING TO SUPPORT AND PREVENT UNEVEN LOADING THROUGHOUT.

CONTRACTOR SHALL INSTALL ALL PIPING MATERIALS PER LATEST INTERNATIONAL PLUMBING CODE AND AHJ.

WATER MAIN MINIMUM DEPTH 56" BELOW GRADE. (IPC; SECTION 305.4)
SEE CIVIL PLANS FOR ALL OTHER PIPING DEPTHS.



TRENCH DETAIL
NO SCALE



ISLAND SINK VENT
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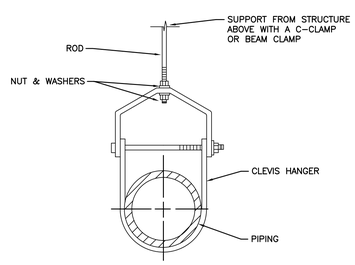
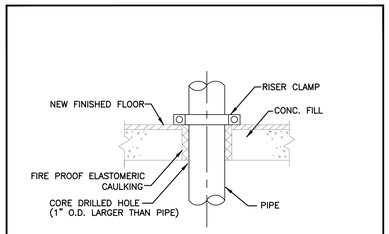
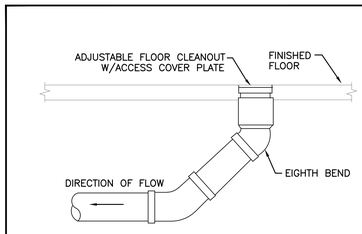


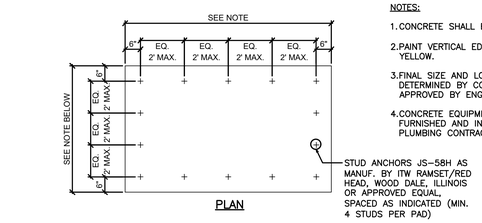
TYPICAL PIPE HANGER
NO SCALE



FLOOR PENETRATION
NO SCALE

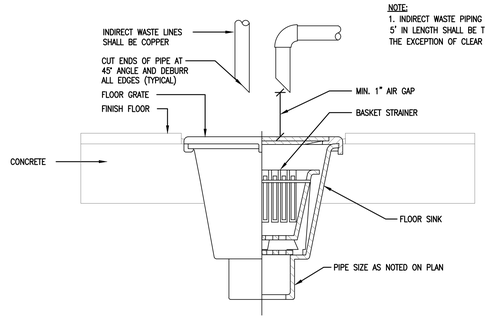


FLOOR CLEANOUT
NO SCALE



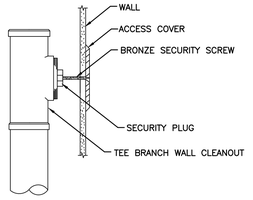
NOTES:
1. CONCRETE SHALL BE 3,500 PSI.
2. PAINT VERTICAL EDGE AND 4" OF PAD YELLOW.
3. FINAL SIZE AND LOCATION TO BE DETERMINED BY CONTRACTOR AND APPROVED BY ENGINEER
4. CONCRETE EQUIPMENT PAD TO BE FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR.

CONCRETE PAD DETAIL
NO SCALE

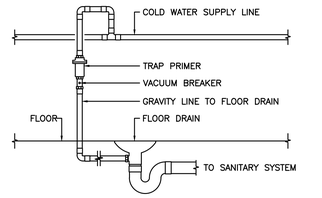


NOTE:
1. INDIRECT WASTE PIPING EXCEEDING 5' IN LENGTH SHALL BE TRAPPED WITH THE EXCEPTION OF CLEAR WATER WASTES.

FLOOR SINK DETAIL
NO SCALE



WALL CLEANOUT
NO SCALE



NOTES:
1. INSTALL TRAP PRIMER PER MANUFACTURER'S SPECIFICATION AND LOCAL CODE REQUIREMENTS.
2. VERIFY PRESSURE TEST AND CHECK TUBING FOR ANY LEAKS.
3. TRAP PRIMER BY PPP INC., MODEL PR-500 OR BY JR SMITH MODEL 2694.

TRAP PRIMER DETAIL
NO SCALE

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252 East Avenue
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(203) 866-6660 Tel
(203) 866-8019 Fax

LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE:
PLUMBING DETAILS

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS P002
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO.: 23505.02

PLOT DATE: December 02, 2024 - 9:52am

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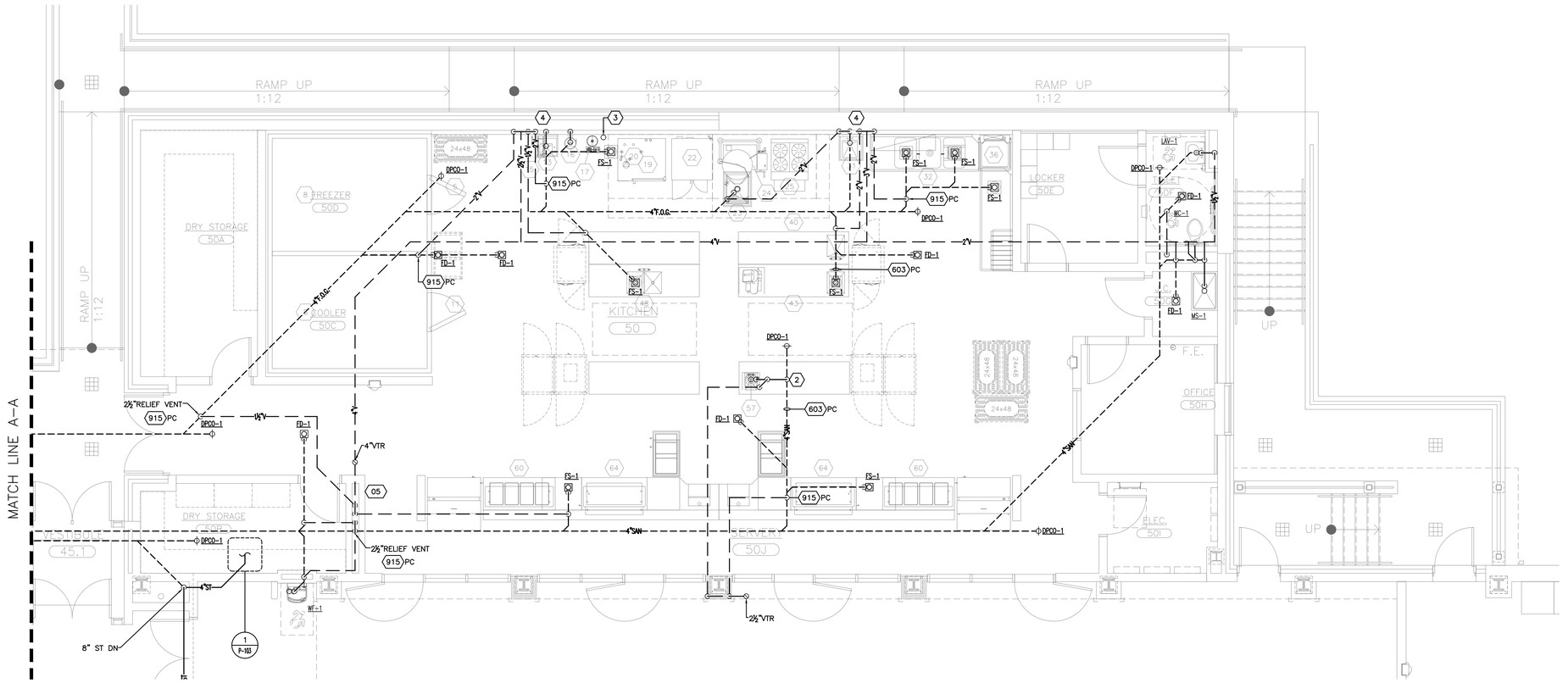
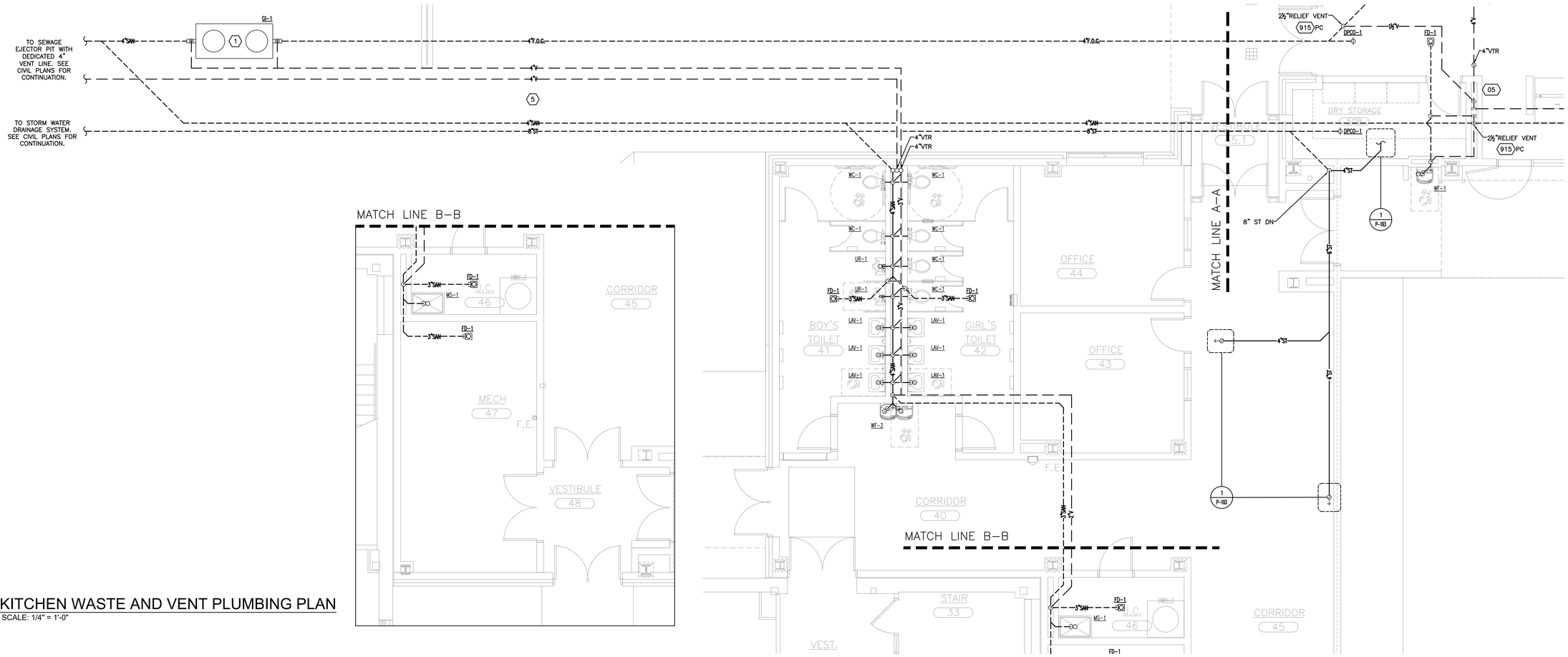


1 KITCHEN WASTE AND VENT PLUMBING PLAN
SCALE: 1/4" = 1'-0"



2 KITCHEN WASTE AND VENT PLUMBING PLAN
SCALE: 1/4" = 1'-0"

NOTES

1. PROVIDE AND INSTALL A GREASE INTERCEPTOR (GREASE TRAP) WITH VISIBLE SIGNAGE AND MEANS OF ACCESS AS PER PLUMBING CODE 1003, AND AHJ. SEE CIVIL SITE PLAN FOR EXACT LOCATION OF GREASE INTERCEPTOR (GI–1) AND COORDINATE ELEVATIONS WITH GENERAL CONTRACTOR.
2. SEE ISLAND SINK VENT DETAIL FOR FURTHER INFORMATION.
3. GREASE DRAIN TO NEAREST FLOOR SINK TIED UP TO TYPE 1 HOOD GREASE DISCHARGE OUTLET (OUTSIDE OF DUCTWORK). FINAL LOCATION TO BE DETERMINED IN FIELD WITH MECHANICAL CONTRACTOR.
4. FURRED OUT WALLS FOR VERTICAL PIPING DROPS.
5. BELOW GRADE VENT LINES SHALL BE PITCHED TO GREASE INTERCEPTOR AND SUMP PUMP.

GENERAL NOTE

REFER TO RISER DIAGRAM FOR PIPE SIZING AND FURTHER INFORMATION.

PLUMBING KEY NOTES

- PC 502 GAS FIRED WATER HEATER(S) SHALL NOT BE INSTALLED IN A SPACE CONTAINING AIR–HANDLING MACHINERY WHERE THE ROOM IS USED AS A PLENUM.
- PC 504 FURNISH ANTISIPHON, VACUUM RELIEF, GAS AND RELIEF VALVES SAFETY DEVICES FOR EACH HOT WATER HEATER AND INSTALL PER MANUFACTURERS RECOMMENDATIONS.
- PC 603 PROVIDE DOMESTIC WATER LINE ABOVE SANITARY WITH A MINIMUM 12" SEPARATION BETWEEN BOTTOM OF DOMESTIC WATER LINES TO TOP OF SANITARY LINE. WATER LINES INSTALLED HORIZONTALLY ON THE SAME PLANE AS THE SANITARY SHALL MAINTAIN A 5'–0" DISTANCE BETWEEN PIPING.
- PC 605 PRE–INSULATED CLASS A PEX PIPING BELOW SLAB WITH NO JOINTS.
- PC 607 HOT WATER RECIRCULATION AQUASTAT TEMPERATURE SET TO 105°F.
- PC 708 ALL FLOOR CLEANOUTS 6" OR LESS SHALL HAVE A MINIMUM 18" CLEARANCE FROM ANY NEIGHBORING PARTITIONS, OBSTRUCTIONS, ETC FOR FUTURE MAINTENANCE WITH MINIMUM LIVE LOAD OF 2 TON BRASS COVERS.
- PC 915 COMBINATION WASTE AND VENT SYSTEMS SHALL NOT RECEIVE DISCHARGE FROM FOOD WASTE DISPOSERS.

FUEL GAS KEY NOTES

- FGC 408 PROVIDE A SEDIMENT TRAP (DIRT LEG) AS PART OF THE APPLIANCE AS CLOSE TO THE APPLIANCE AS PRACTICAL.
- FGC 411 PROVIDE COMMERCIAL GAS HOSES BY DORMONT BLUE HOSE OR EQUAL. GAS CONNECTIONS TO APPLIANCES SHALL COMPLY WITH AN ANSI Z21.69/CSA 6.16 LISTING AND INSTALLED PER MANUFACTURER'S SPECIFICATION.
- FGC 505 FURNISH AND INSTALL A GAS SOLENOID VALVE TIED TO FIRE PROTECTION INTERLOCK SYSTEM. POWER BY ELECTRICAL CONTRACTOR.

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KEY PLAN

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LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
CV- STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION/INTERIOR RENOVATIONS & SITE IMPROVEMENTS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
GROUND FLOOR
KITCHEN WASTE AND VENT PLUMBING PLAN

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42" | DRAWING NO. CVS P100
SCALE AS NOTED | FILE NO. 23505.02
DRAWN BY LFG

PLOT DATE: December 02, 2024 - 9:54am
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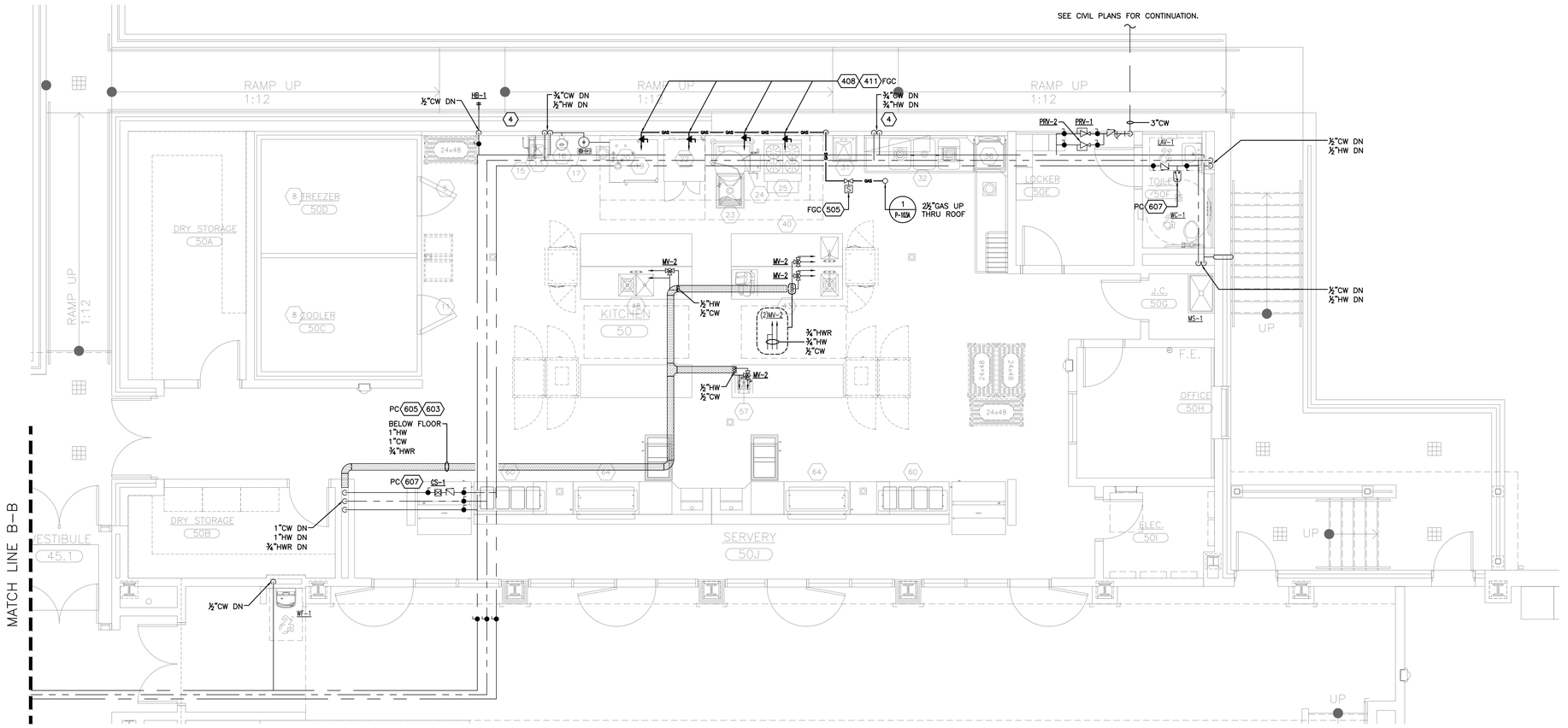
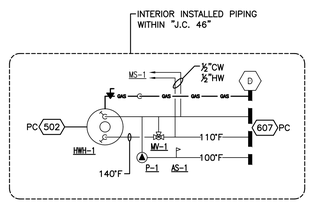
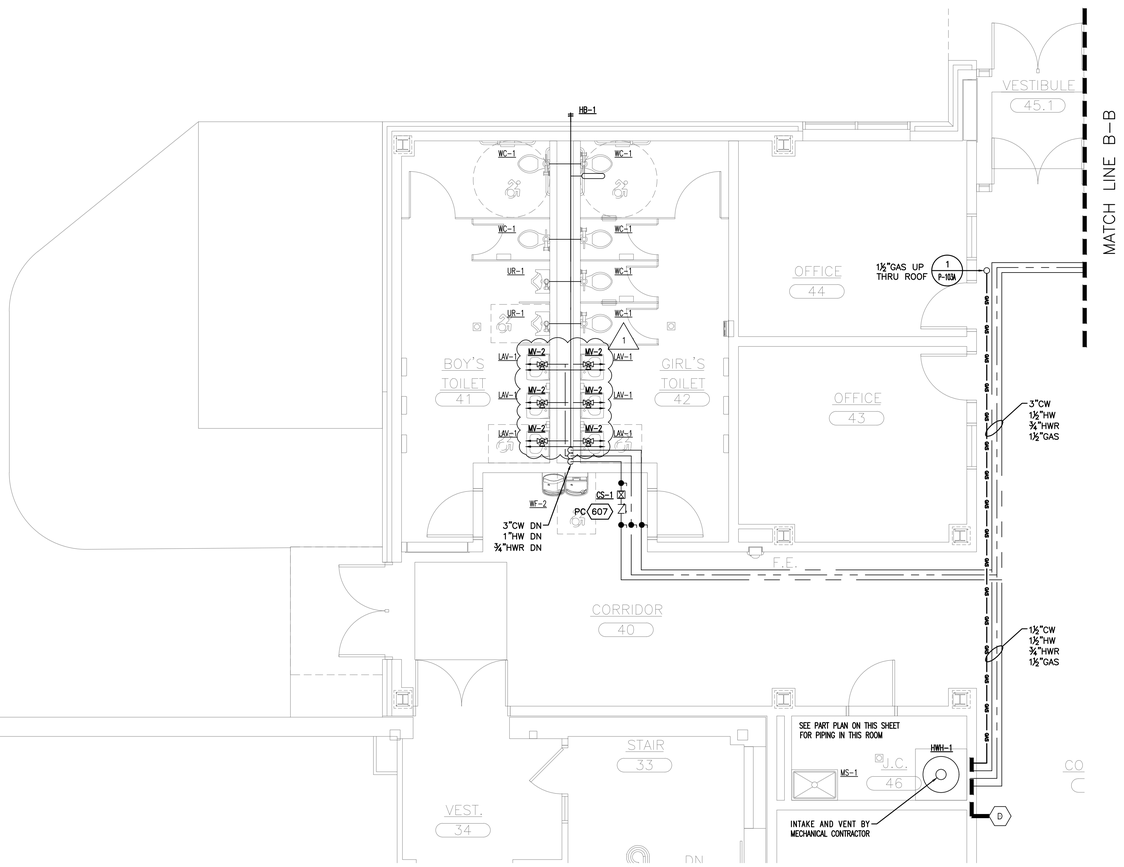


1 KITCHEN HOT AND COLD WATER PLUMBING PLAN
SCALE: 1/4" = 1'-0"





2 KITCHEN HOT AND COLD WATER PLUMBING PLAN
SCALE: 1/4" = 1'-0"

NOTES

1. PROVIDE AND INSTALL A GREASE INTERCEPTOR (GREASE TRAP) WITH VISIBLE SIGNAGE AND MEANS OF ACCESS AS PER PLUMBING CODE 1003, AND AHJ. SEE CIVIL SITE PLAN FOR EXACT LOCATION OF GREASE INTERCEPTOR (GI-1) AND COORDINATE ELEVATIONS WITH GENERAL CONTRACTOR.
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GENERAL NOTE

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PLUMBING KEY NOTES

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FUEL GAS KEY NOTES

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- FGC 505 FURNISH AND INSTALL A GAS SOLENOID VALVE TIED TO FIRE PROTECTION INTERLOCK SYSTEM. POWER BY ELECTRICAL CONTRACTOR.

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KEY PLAN NORTH

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252 East Avenue
Norwalk, CT 06855
(203) 866-4644
(203) 866-8019 Fax

LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & SITE IMPROVEMENTS
207 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
GROUND FLOOR
KITCHEN HOT AND COLD WATER PLUMBING PLAN

12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE: 30"x42"	DRAWING NO. CVS P100A
SCALE: AS NOTED	
DRAWN BY: LFG	FILE NO. 23505.02

PLOT DATE: December 02, 2024 - 9:54am

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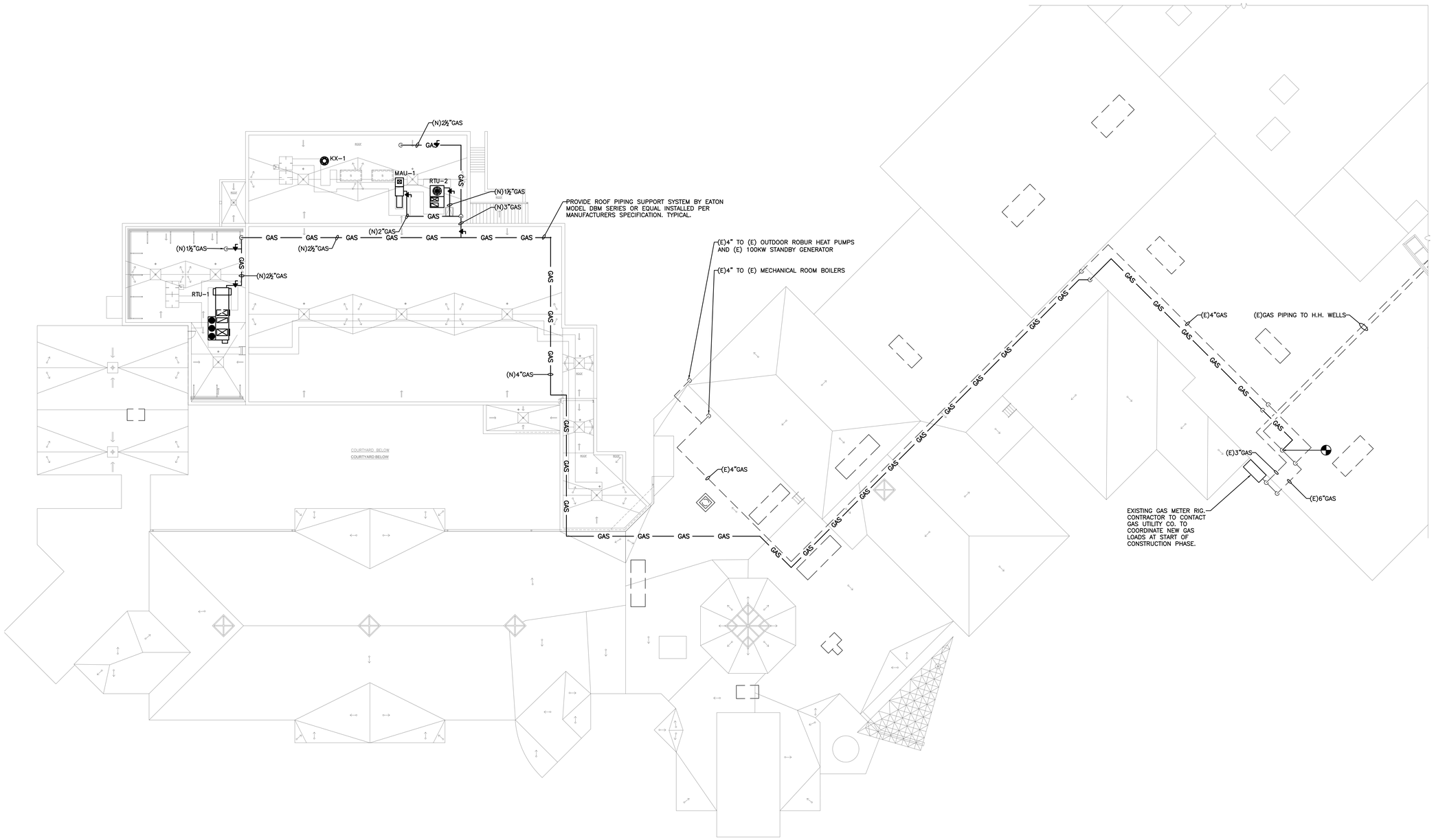

1 ROOF PLUMBING PLAN - NATURAL GAS PIPING
SCALE: 1/16" = 1'-0"

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ARCHITECTS PLANNERS
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LANDMARK FACILITIES GROUP, INC.
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(203) 866-6819 Fax

LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND SITE IMPROVEMENTS
257 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
ROOF PLUMBING PLAN
NATURAL GAS PIPING

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS P103A
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO.: 23505.02

PLOT DATE: December 02, 2024 - 10:03am

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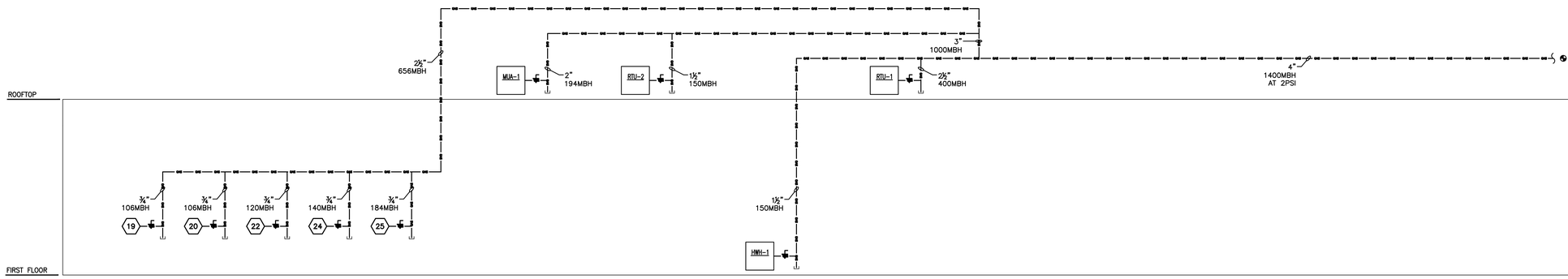
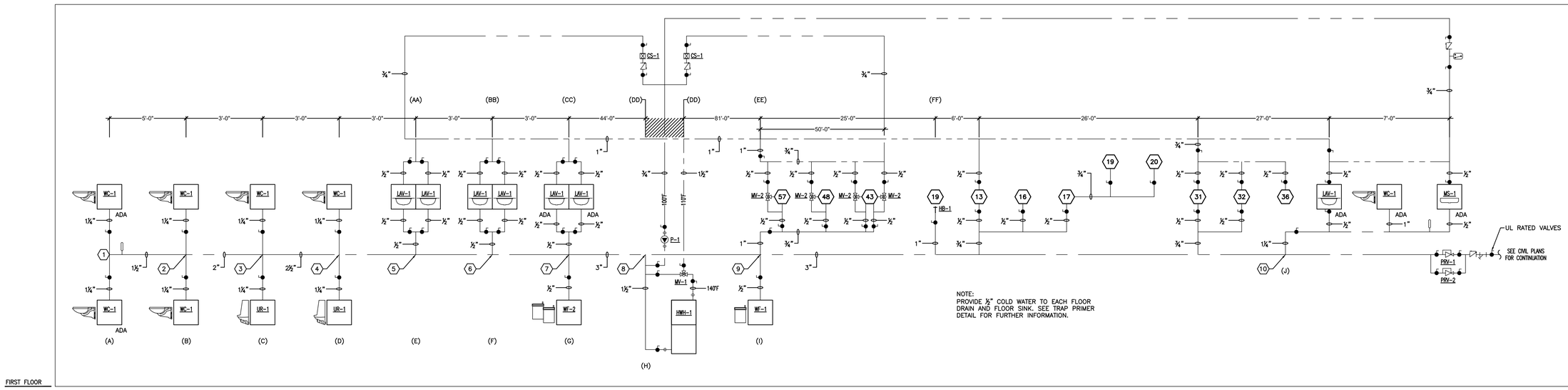
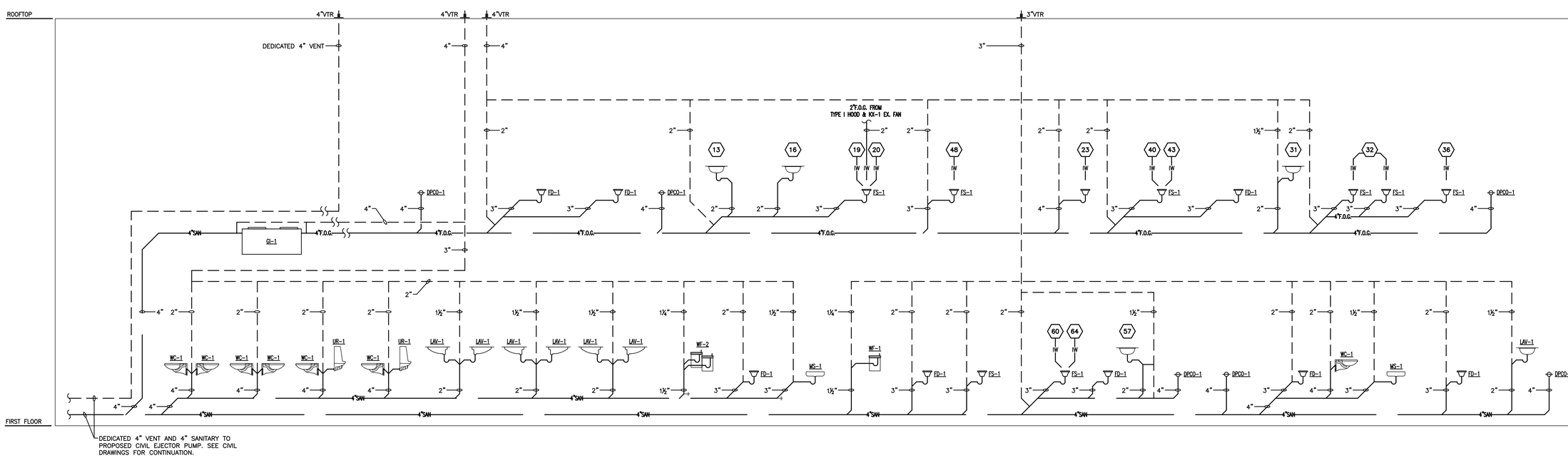


1 GAS RISER DIAGRAM
SCALE: N.T.S.



2 HOT AND COLD WATER RISER DIAGRAM
SCALE: N.T.S.



3 WASTE AND VENT RISER DIAGRAM
SCALE: N.T.S.

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KEY PLAN

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Norwalk, CT 06855
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(203) 866-8019 Fax

LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION & INTERIOR RENOVATIONS AS PART OF PHASE 2
29 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
PLUMBING RISER DIAGRAMS

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
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SCALE AS NOTED
DRAWN BY LFG
FILE NO. 23505.02

PLOT DATE: December 02, 2024 - 10:04am

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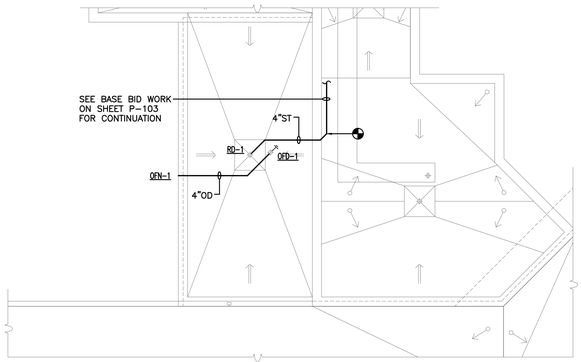
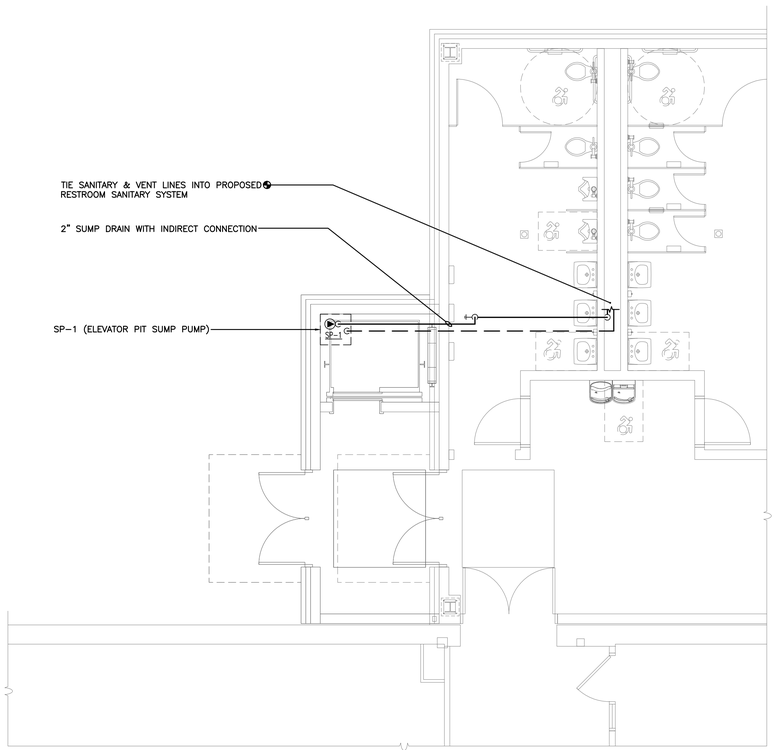
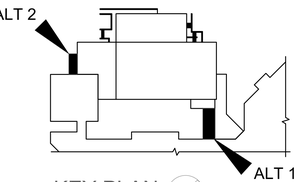


1 ROOF PLAN - ALT P-1
SCALE: 1/8" = 1'-0"



1 GROUND FLOOR PLAN - ALT P-2
SCALE: 1/4" = 1'-0"



KEY PLAN
SCALE N.T.S.

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PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

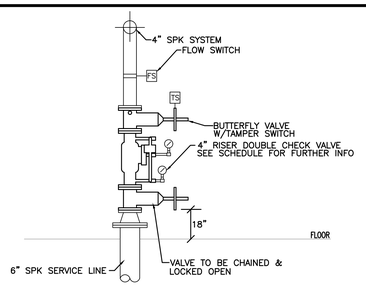
DRAWING TITLE
PLUMBING ALTERNATE
FLOOR PLANS

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS P-ALT
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO.: 23505.02

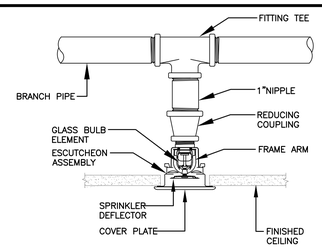
PLOT DATE: December 02, 2024 - 10:04am

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 - Cafetorium\ACAD\Plumbing\CVS PKG2_P-ALT.dwg



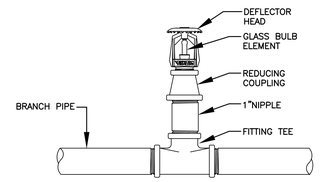
SPRINKLER ASSEMBLY

NO SCALE



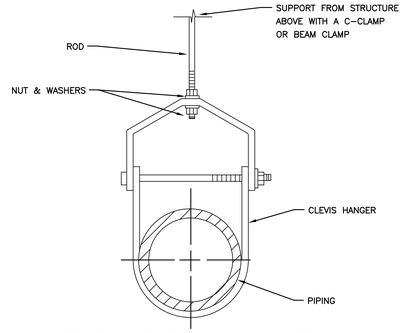
CONCEALED SPRINKLER HEAD DETAIL

NO SCALE



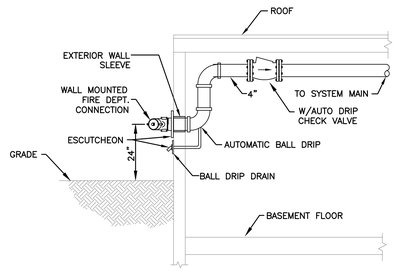
UPRIGHT SPRINKLER HEAD DETAIL

NO SCALE



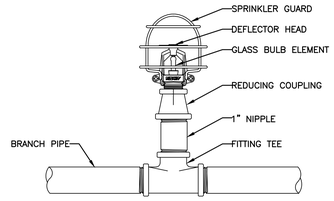
TYP. PIPE HANGER

NO SCALE



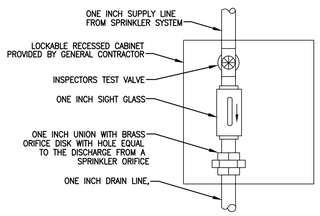
FIRE DEPARTMENT CONNECTION

NO SCALE



UPRIGHT SPRINKLER HEAD DETAIL W/SPRINKLER GUARD

NO SCALE



INSPECTORS TEST AND DRAIN STATION DETAIL

NO SCALE

SPRINKLER LEGEND

	DRAIN PIPING
SPK	WET SPRINKLER PIPING
	EXISTING PIPING TO REMAIN
	EXISTING PIPING TO BE REMOVED
	DIRECTION OF FLOW
	BOTTOM OF PIPE TAKE-OFF CONNECTION
	PIPE RISE OR UP THRU SLAB
	PIPE DROP OR DOWN THRU SLAB
	TOP OF PIPE TAKE-OFF CONNECTION
	NIPPLE & CAP AUXILIARY DRAIN
	PRESSURE GAUGE
	UNION
	TEST VALVE & DRAIN
	OUTSIDE SCREW & YOKE VALVE (OS&Y)
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	PRESSURE REDUCING VALVE
	OUTSIDE SCREW & YOKE (OS&Y) W/ TAMPER SWITCH
	CHECK VALVE
	HOSE VALVE
FS	FLOW SWITCH
TS	TAMPER SWITCH
	POINT OF NEW CONNECTION TO EXISTING
TYP	TYPICAL
EL	ELEVATION ABOVE FINISHED FLOOR
(W)	SPRINKLER NODE

FIRE PROTECTION EQUIPMENT

OS&Y GATE VALVE
2" AND LARGER: GRAY IRON BODY, THREADED ENDS; SOLID WEDGE, RISING STEM. MANUFACTURER: KENNEDY MODEL KS-FW

BFP1 – DOUBLE CHECK VALVE
BY WATTS MODEL#774DCDA OR EQUAL, TORSION SPRUNG CHECK VALVE, SS BODY, BRONZE METER (GPM OR CFM), UNDERWRITERS LABORATORIES APPROVED OSY SHUT-OFF VALVES, INSTALLED VERTICALLY AND PROVIDE A MINIMUM OF 24" BETWEEN EACH OS&Y VALVE TO ANY OBSTRUCTION.

FIRE DEPT. CONNECTION
UL LISTED, FM APPROVED. CASS BRASS BODY, CAST ROUND PLATE WITH DOUBLE FEMALE ADAPTER, PLUG AND CHAIN, BRANDING "AUTO SPKR", THREADS ACCORDING TO NFPA 1963 AND MATCHING LOCAL FIRE DEPARTMENT SIZES AND THREADS.
MANUFACTURER: CROKER MODEL #6405-PB

CHECK VALVES
SWING CHECK VALVES, 2 1/2" AND LARGER: CAST-IRON BODY, BRONZE SEAT, EPDM CLAPPER W/STAINLESS STEEL ARM AND GROOVED ENDS.
MANUFACTURER: RELIABLE MODEL: REL-50GG

BALL DRIP VALVES
AUTOMATIC DRAIN VALVE, 3/4", BALL CHECK DEVICE W/THREADED ENDS.
MANUFACTURER: VIKING MODEL: MODEL J-1

TAMPER SWITCHES
ELECTRIC SINGLE POLE, DOUBLE THROW WITH NORMALLY CLOSED CONTACTS, INCLUDE DESIGN THAT SIGNALS CONTROLLED VALVE IS IN OTHER THAN FULLY OPEN POSITION. MEA No. MANUFACTURER: SYSTEM SENSOR MODEL OSY2

SPRINKLER GUARD
WIRE-CAGE TYPE, INCLUDING FASTENING DEVICE FOR ATTACHING TO SPRINKLER. INSTALL PER MANUFACTURERS RECOMMENDATIONS. LOCATED AS NOTED ON DWGS.
MANUFACTURER: VIKING MODEL: D-1

FIRE BELL FB-1
ELECTRIC FIRE ALARM BELL 24 VOLTS
MANUFACTURER: POTTER ROEMER MODEL: 6230

FLOW SWITCH FS-1
VANE TYPE WATERFLOW ALARM SWITCH
MANUFACTURER: POTTER ROEMER MODEL: VSR-4

BUTTERFLY VALVE
2-1/2 AND LARGER: BRONZE, CAST-IRON, OR DUCTILE-IRON BODY; WAFER TYPE OR WITH FLANGED OR GROOVED ENDS.
MANUFACTURER: VIKING MODEL: BVG-7

PIPING AND MATERIALS SCHEDULE

PIPING SYSTEM	SIZE RANGE	PIPE MATERIALS	JOINTS	FITTINGS	INSULATION	SHUTOFF VALVES
WET PIPING	2" & SMALLER	STEEL, SCH 40, ASTM A53/A53M	THREADED	150# MALLEABLE-IRON	NA	NA
WET PIPING	2 1/2" & LARGER	STEEL, SCH 40, ASTM A53/A53M	GROOVED	VICTAULIC STYLE 77	NA	NA

NOTES:
REFER TO SPECIFICATIONS ON DRAWING FOR ADDITIONAL DETAILS

SPRINKLER HEAD LEGEND

SYM	DESCRIPTION	COVERAGE	METAL	TEMP	K. FACTOR	NPT	ORIF	MFG./OR EQUAL	MODEL#	CONN.	RESPONSE	COLOR	REMARKS
⊗	UPRIGHT STND. COV.	NFPA 13	BRASS	155°	5.6	1"	1/2"	VIKING	VK300	THREAD	QUICK	WHITE	1,2,3
⊙	CONCEALED PENDANT	NFPA 13	BRONZE	155°	5.6	1"	1/2"	VIKING	VK462	THREAD	QUICK	WHITE	1,2,3
●	PENDANT	NFPA 13	BRONZE	155°	5.6	1"	1/2"	VIKING	VK302	THREAD	QUICK	WHITE	1,2,3

1. ALL SPRINKLER HEADS MODELS OR APPROVED EQUAL
2. ALL SPRINKLER HEADS ARE QUICK RESPONSE TYPE.
3. ALL SPRINKLER HEADS TO BE WHITE FINISH UNLESS NOTED OTHERWISE. SEE SCHEDULE FOR FURTHER INFORMATION.

SPRINKLER PIPE SIZING

1. BRANCH PIPE SIZING AS FOLLOWS:

1 SP. HEAD	1"
2 SP. HEAD	1"
3 SP. HEAD	1 1/4"
4 SP. HEAD	1 1/2"
5 SP. HEAD	1 1/2"
6 SP. HEAD	2"
10 SP. HEAD	2"
30 SP. HEAD	2 1/2"
60 SP. HEAD	3"

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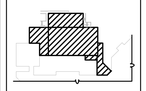

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LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
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20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
FIRE PROTECTION DETAILS

DATE	ISSUED TO
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03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS FP001
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO.: 23505.02

PLOT DATE: December 02, 2024 - 10:30am

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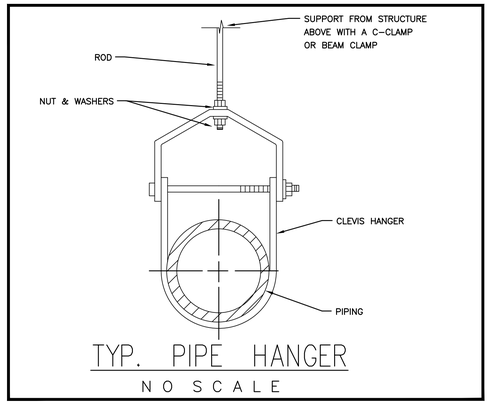
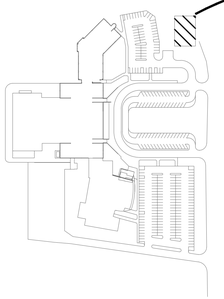


TYP. PIPE HANGER

NO SCALE



KEY PLAN

SCALE N. T. S.

SPRINKLER LEGEND

	DRAIN PIPING
SPK	WET SPRINKLER PIPING
	EXISTING PIPING TO REMAIN
	EXISTING PIPING TO BE REMOVED
	DIRECTION OF FLOW
	BOTTOM OF PIPE TAKE-OFF CONNECTION
C	PIPE RISE OR UP THRU SLAB
	PIPE DROP OR DOWN THRU SLAB
	TOP OF PIPE TAKE-OFF CONNECTION
E	NIPPLE & CAP AUXILIARY DRAIN
	PRESSURE GAUGE
	UNION
	TEST VALVE & DRAIN
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	OUTSIDE SCREW & YOKE (OS&Y) W/ TAMPER SWITCH
	CHECK VALVE
	HOSE VALVE
FS	FLOW SWITCH
TS	TAMPER SWITCH
	POINT OF NEW CONNECTION TO EXISTING
TYP	TYPICAL
EL	ELEVATION ABOVE FINISHED FLOOR
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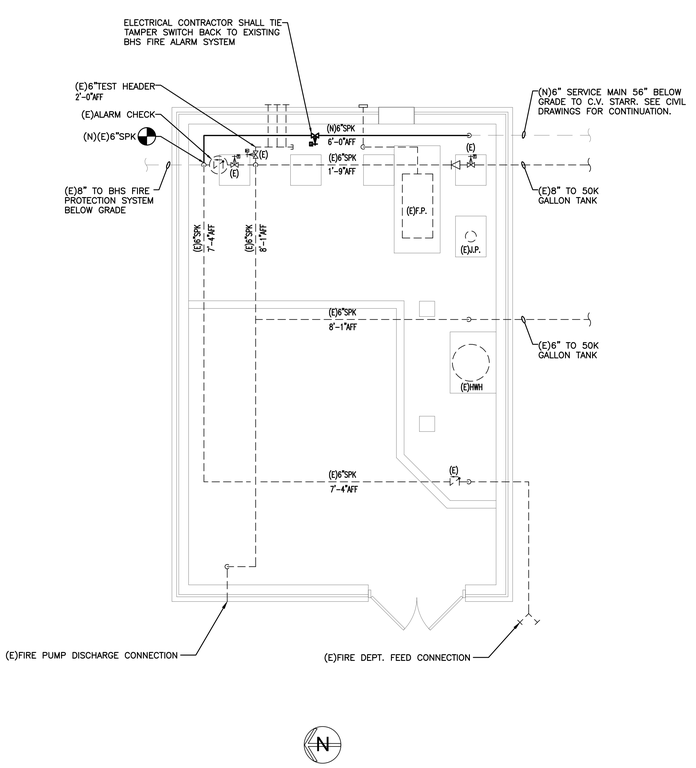

1 PUMPHOUSE FIRE PROTECTION PLAN

SCALE: 1/4" = 1'-0"

FIRE PROTECTION NOTES

1. COOPERATE AND COORDINATE WITH ALL TRADES IN EXECUTION OF THE WORK DESCRIBED IN THIS SECTION AND SO AS TO PROVIDE CLEARANCE FOR EQUIPMENT MAINTENANCE AND OPERATION AND TO ENSURE THAT WORK IS CARRIED OUT IN THE BEST INTERESTS OF ALL CONCERNED. INSTALL WORK IN PROPER SEQUENCE TO CONSERVE HEADROOM AND SPACE.
2. BEFORE STARTING WORK OF THIS SECTION, VISIT SITE AND EXAMINE CONDITIONS UNDER WHICH WORK MUST BE PERFORMED INCLUDING PREPARATORY WORK DONE UNDER OTHER SECTIONS OR CONTRACTS OR BY OWNER. REPORT CONDITIONS THAT MIGHT AFFECT WORK ADVERSELY IN WRITING THROUGH CONTRACTOR TO ARCHITECT. DO NOT PROCEED WITH WORK UNTIL DEFECTS HAVE BEEN CORRECTED AND CONDITIONS ARE SATISFACTORY. COMMENCEMENT OF WORK SHALL BE CONSTRUED AS COMPLETE ACCEPTANCE OF EXISTING CONDITIONS AND PREPARATORY WORK.
3. AFTER VISIT TO SITE, CONTRACTOR SHALL STUDY BUILDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, REFLECTED CEILING AND ELECTRICAL PLANS AND PREPARE "SPRINKLER WORKING DRAWINGS" IN CONFORMANCE WITH N.F.P.A., THE OWNER'S INSURANCE UNDERWRITER AND THE UNDERWRITER'S INTERPRETATION OF NFPA.
4. FULLY COORDINATE WITH OTHER TRADES AT NO ADDITIONAL COST TO THE OWNER, MAKE ALL REASONABLE CHANGES AND ADDITIONS TO LOCATION OF MATERIALS AND EQUIPMENT AND COORDINATION ISSUES, NECESSARY TO ACCOMODATE THE STRUCTURAL AND ARCHITECTURAL CONDITIONS AND THE SYSTEMS. IT SHALL BE THE RESPONSIBILITY OF THE SPRINKLER CONTRACTOR TO COORDINATE WITH ALL OTHER TRADES AND PARTIES TO AVOID CONFLICTS. NO ADDITIONAL CHARGES WILL BE APPROVED DUE TO LACK OF COORDINATION.
5. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE BUILDING CODE AND REFERENCE STANDARD, NFPA, THE LOCAL FIRE PREVENTION DEPARTMENT, THE INSURANCE UNDERWRITER AND ALL LOCAL CODES AND ORDINANCES.
6. INDICATION ON THE DRAWINGS OF EQUIPMENT, MATERIALS, OPERATION AND METHODS, REQUIRES THAT SUCH ITEMS SHALL BE OF THE QUANTITY REQUIRED, AND THE SYSTEMS COMPLETE IN EVERY RESPECT.
7. INSTALL EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS.
8. INSTALL EQUIPMENT AND MATERIALS TO PRESENT A NEAT APPEARANCE. RUN PIPING PARALLEL WITH OR PERPENDICULAR TO BUILDING PLANES.
9. EQUIPMENT, MATERIALS AND WORK SHALL COMPLY WITH THE REQUIREMENTS OF GENERALLY RECOGNIZED AGENCIES, AND SHALL CONFORM TO AND BE INSTALLED IN STRICT ACCORDANCE WITH FEDERAL, STATE AND CITY REQUIREMENTS AND SHALL MEET ALL OF THE REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION.
10. THE CONTRACT DRAWINGS ARE APPROXIMATELY CORRECT TO SCALE, BUT FIGURED DIMENSIONS AND DETAILED DRAWINGS ARE TO BE FOLLOWED IN EVERY CASE. THE DRAWING SHALL BE TAKEN IN A SENSE AS DIAGRAMMATIC. GENERAL METHOD OF RUNNING PIPING IS SHOWN, BUT IT IS NOT INTENDED TO SHOW EVERY OFFSET AND FITTING NOR EVERY STRUCTURAL DIFFICULTY THAT MAY BE ENCOUNTERED. OBTAIN ALL INFORMATION REQUIRING DIMENSIONS FROM ARCHITECTURAL AND STRUCTURAL DRAWINGS AND FROM SITE MEASUREMENTS.
11. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE RATINGS OF WALLS AND SLABS. THIS CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR SEALING ALL SPRINKLER PENETRATIONS TO MAINTAIN THE REQUIRED FIRE RATINGS.
12. PRIOR TO SUBMISSION OF SHOP DRAWINGS, THE SPRINKLER CONTRACTOR SHALL THOROUGHLY CHECK EACH SHOP DRAWING TO ASCERTAIN THAT IT COMPLIES WITH THE CONTRACT REQUIREMENTS AND THAT THE DIMENSIONS OF WORK SUBMITTED FIT THE AVAILABLE SPACE. ANY DEVIATIONS FROM THE CONTRACT REQUIREMENTS SHALL BE CLEARLY NOTED ON THE SHOP DRAWINGS. THE SPRINKLER CONTRACTOR SHALL STAMP EACH SUBMITTAL WITH HIS FIRM'S NAME, DATE AND APPROVAL, THEREBY REPRESENTING THAT THE ABOVE HAS BEEN COMPLIED WITH. SHOP DRAWINGS NOT SO CHECKED AND STAMPED SHALL BE RETURNED WITHOUT BEING EXAMINED BY THE ARCHITECT. REVIEW OF THE SHOP DRAWINGS SHALL NOT RELIEVE THE SPRINKLER CONTRACTOR FROM THE RESPONSIBILITY FOR DEPARTURES FROM THE CONTRACT DOCUMENTS. ERRORS IN SHOP DRAWINGS SHALL BE THE SOLE RESPONSIBILITY OF THE SPRINKLER CONTRACTOR WHETHER THE DRAWINGS ARE REVIEWED OR NOT.
13. PIPING FOR THE SPRINKLER SYSTEMS IS GENERALLY NOT ALL SHOWN. SOME PIPING MAY BE INDICATED TO SUGGEST METHODS OF AVOIDING INTERFERENCES, ETC.
14. ONLY UL APPROVED AND NFPA LISTED EQUIPMENT SHALL BE USED.
15. THE CONTRACTOR IS TO REVIEW AND VERIFY ALL FIELD CONDITIONS, MEASUREMENTS, PLANS AND STOCK LISTS, PRIOR TO ORDERING FABRICATION AND INSTALLING.
16. CONTRACTOR IS TO REPORT CONDITIONS REQUIRING CHANGES FROM PLANS TO THE ENGINEER PRIOR TO STARTING WORK.
17. HANGERS ARE TO BE IN ACCORDANCE WITH NFPA 13. EARTHQUAKE BRACING TO BE PROVIDED WHERE REQUIRED.
18. ALL WORK SHALL BE APPROVED BY AUTHORITIES HAVING JURISDICTION.
19. CONTRACTOR'S MATERIAL AND TEST CERTIFICATES FOR ABOVE GROUND AND UNDER GROUND PIPE SHALL BE SUBMITTED TO THE FIRE MARSHAL PRIOR TO APPROVAL OF THE INSTALLATION.
20. PIPE HANGERS SHALL BE INSTALLED AS REQUIRED BY NFPA FOR SUPPORTING FIRE SERVICE MAIN PIPING. NO OTHER PIPING AND/OR DEVICES ARE TO BE ATTACHED TO THE SPRINKLER PIPE HANGER SYSTEM UNLESS THE HANGER HAS BEEN SPECIFICALLY DESIGNED FOR THE ADDITIONAL LOADING. THIS CONTRACT DOES NOT INCLUDE ANY MATERIAL OR DEVICE TO IMPROVE THE STRUCTURAL STRENGTH OF THE BUILDING TO ENABLE IT TO CARRY THE LOAD OF THE FIRE PROTECTION SYSTEM.
21. SPRINKLER SYSTEM SHALL BE TESTED AS PER NFPA.

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LICENSE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:

48-05-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL FIRE PUMP HOUSE
50 FOGGINTOWN ROAD BREWSTER, NY 10509

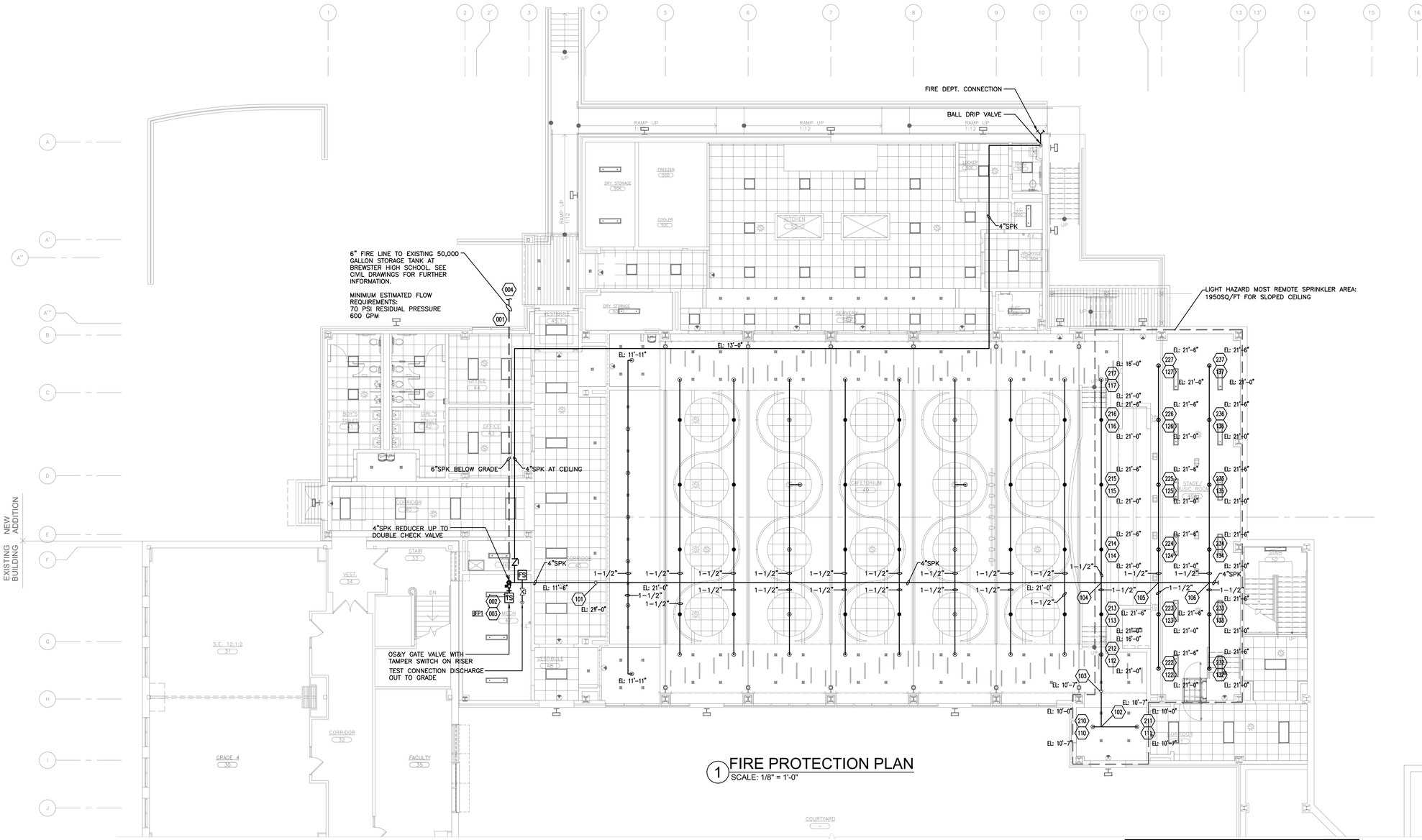
DRAWING TITLE
FIRE PROTECTION PLAN, DETAILS AND NOTES

12-09-2024	BID
DATE	ISSUED TO

SHEET SIZE: 30"x42"	DRAWING NO: CVS FP002
SCALE: AS NOTED	
DRAWN BY: LFG	FILE NO.: 23505.02

PLOT DATE: December 02, 2024 - 7:50pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\CV Starr Intermediate School\PACKAGE 2 - Cafetorium\ACAD\Fire Protection\BHS Remote Pumphouse\BHS_CVS PKG2_FP-100_RN.dwg



1 FIRE PROTECTION PLAN
SCALE: 1/8" = 1'-0"

SPRINKLER LEGEND

	DRAIN PIPING
SPK	WET SPRINKLER PIPING
	EXISTING PIPING TO REMAIN
	EXISTING PIPING TO BE REMOVED
	DIRECTION OF FLOW
	BOTTOM OF PIPE TAKE-OFF CONNECTION
	PIPE RISE OR UP THRU SLAB
	PIPE DROP OR DOWN THRU SLAB
	TOP OF PIPE TAKE-OFF CONNECTION
	NIPPLE & CAP AUXILIARY DRAIN
	PRESSURE GAUGE
	UNION
	TEST VALVE & DRAIN
	OUTSIDE SCREW & YOKE VALVE (OS&Y)
	CONCENTRIC REDUCER
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	PRESSURE REDUCING VALVE
	OUTSIDE SCREW & YOKE (OS&Y) W/ TAMPER SWITCH
	CHECK VALVE
	HOSE VALVE
FS	FLOW SWITCH
TS	TAMPER SWITCH
	POINT OF NEW CONNECTION TO EXISTING
TYP	TYPICAL
EL	ELEVATION ABOVE FINISHED FLOOR
(###)	SPRINKLER NODE

NOTES:

1. CONTACT AND COORDINATE WITH THE BUILDING SUPERVISOR TO SCHEDULE SCOPE OF WORK AREAS. CONTRACTOR SHALL REVIEW FIELD CONDITIONS AND ASSESS ALL MATERIALS, EQUIPMENT, CLEARANCES, ETC REQUIRED TO PROVIDE A SAFE AND FUNCTIONAL SYSTEM PER LOCAL AND GOVERNING CODES.
2. CONTRACTOR TO ADJUST ALL NEW SPRINKLER HEADS TO MATCH THE PROPOSED CEILING HEIGHTS. INSTALL SPRINKLER HEADS PER MANUFACTURER RECOMMENDATION, LISTING, AND NFPA-13 STANDARDS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO INSPECT AND TEST THE INSTALLATION OF THEIR WORK IN ACCORDANCE WITH CHAPTER 25 BEFORE SCHEDULING INSPECTION.
4. REFER TO BRANCH PIPE SCHEDULE ON SHEET FP-001.

CODED REQUIREMENTS:

2016 NPFA-13:

SECTION 6.1.2 RECONDITIONED SPRINKLERS ON A NEW AND/OR EXISTING SYSTEM SHALL NOT BE USED.

SECTION 6.2.1.1 EXISTING SPRINKLER HEADS REMOVED FROM A FITTING OR WELDED OUTLET SHALL NOT BE REINSTALLED.

SECTION 8.1 THE SPRINKLER SYSTEM CONSISTING OF, BUT NOT LIMITED TO; PIPING, SPRINKLER HEADS, SYSTEM ATTACHMENTS, ETC. SHALL BE INSTALLED AS PER THIS SECTION.

SECTION 8.3.3.2 WHERE QUICK-RESPONSE SPRINKLERS ARE TO BE INSTALLED OR EXISTING TO REMAIN WITHIN A COMPARTMENT, THERE SHALL BE LISTED QUICK-RESPONSE SPRINKLERS THROUGHOUT THE ENTIRE COMPARTMENT.

SECTION 8.5.6.1 A MINIMUM 18" CLEARANCE SHALL BE PROVIDED BETWEEN SPRINKLER HEAD AND TOP OF STORAGE OR CONTENTS.

SECTION 25.2 A NEW SPRINKLER SYSTEM SHALL BE ISOLATED AND TESTED PER REQUIREMENTS OF THIS SECTION.

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KEY PLAN

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LFG LANDMARK FACILITIES GROUP, INC.
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BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION/INTERIOR RENOVATIONS AND ALTERATIONS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
GROUND FLOOR
FIRE PROTECTION PLAN

DATE	ISSUED TO
12-09-2024	BID
09-25-2024	ADDENDUM 1
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS FP100
SCALE AS NOTED
DRAWN BY LFG
FILE NO. 23505.02

PLOT DATE: December 02, 2024 - 10:31am

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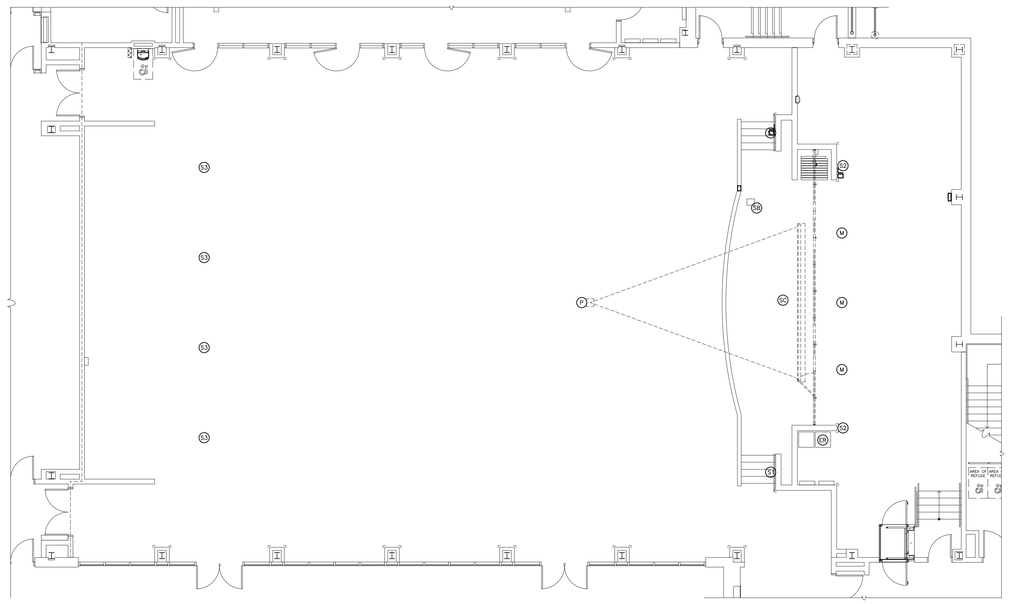
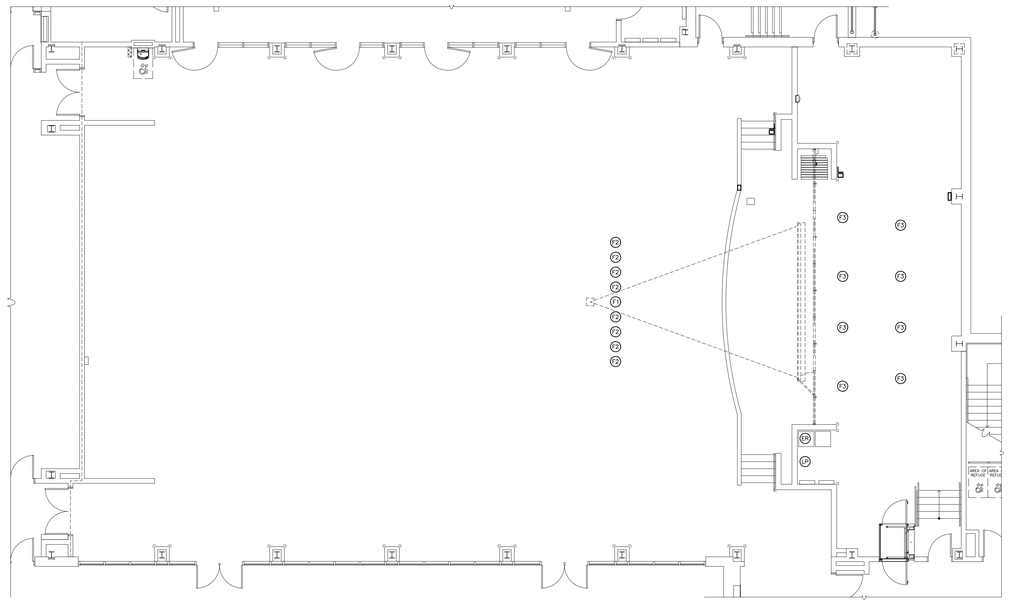


AV LEGEND

- (P) PROJECTOR, LENS 27' FROM SCREEN
- (SC) PROJECTION SCREEN, RETRACTABLE
- (S1) SPEAKER, APOGEE AFI-4W
- (S2) SPEAKER, APOGEE AFI-2
- (SB) STAGE FLOOR BOX
- (M) HANGING MICROPHONE
- (ER) EQUIPMENT RACK, A/V

1 CAFETORIUM AV PLAN
SCALE: 1/8" = 1'-0"



LIGHTING LEGEND

- (F1) OVATIONE 260 For GOBO
- (F2) COLORADO 2 SOLO
- (F3) COLORADO SOLO BATTEN 4
- (LP) LIGHTING PRESET WALL PLATE
- (ER) EQUIPMENT RACK, LIGHTING

2 CAFETORIUM STAGE LIGHTING PLAN
SCALE: 1/8" = 1'-0"

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Grzebik Design Group

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM AUDITORIUM INTERIOR
RENOVATIONS AS PER LOCAL LAW
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
CAFETORIUM AV PLAN, AUDITORIUM STAGE LIGHTING PLAN

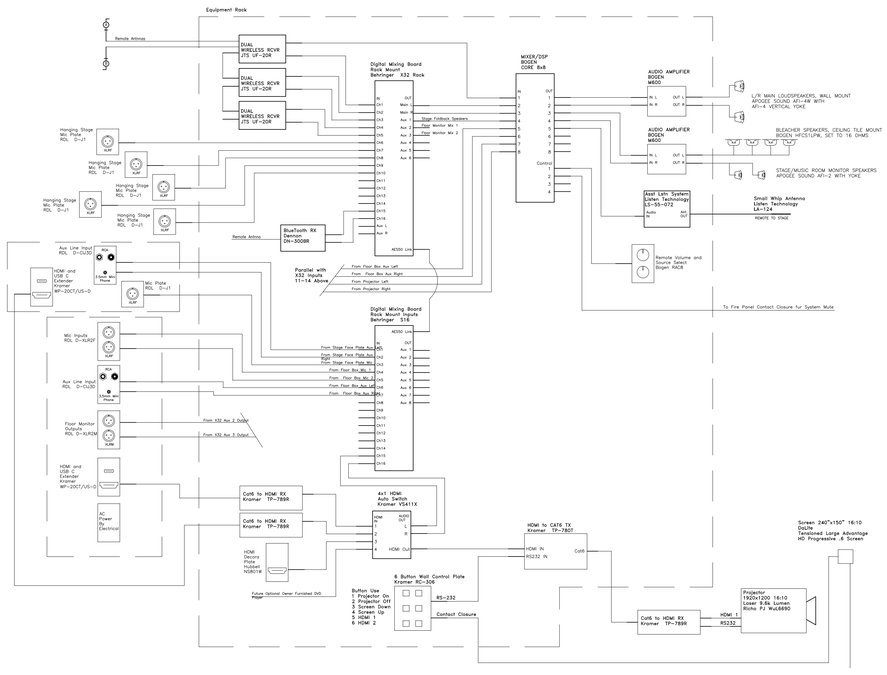
DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS AV100
SCALE: AS NOTED
DRAWN BY:
FILE NO.: 23505.02

PLOT DATE: December 05, 2024 - 9:29am
FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS AV100.dwg

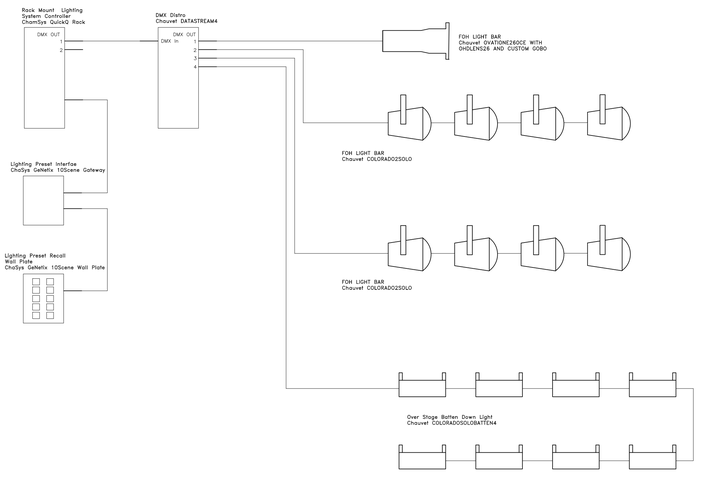
Qty	Item	Manufacturer	Notes
1	OVATIONE260CW	Chauvet	GOBO ELIPSOIDAL ENGIN
1	OHDLENS26	Chauvet	ELOPSOIDAL 26 DEGREE LENS
1	OVBGOBOGLASS	Chauvet	GOBO HOLDER
1	OBVGOBOMETAL	Chauvet	GOBO HOLDER
8	COLORADO25OLO	Chauvet	FOH Light Bar Fixtures
8	COLORADOSOLOBATTEN4	Chauvet	Stage Overhead Down Lighting
25	SC08	Chauvet	Safety Cables
25	CLP05	Chauvet	Fixture C-Clamp
12	DMX5P5FT	Chauvet	5 Foot DMX Cable
8	DMX5P10FT	Chauvet	10 Foot DMX Cable
6	DMX5P25FT	Chauvet	25 Foot DMX Cable
1	DATASTREAM4	Chauvet	DMX 4x Splitter
1	QuickQ Rack	ChamSys	Rack Mount Lighting Controller
1	GeNetix 10Scene Wall Plate	ChamSys	Lighting Scene Preste Wall Plate
1	GeNetix 10Scene Gateway	ChamSys	Wall Plate Intface
1	ipad with Lighting Software	ChamSys	Lighting Control Software, Interfaced for QuickQ Rack
1	Custom GOBO with School Logo	Chauvet	

CV STARR CAFETORIUM AV



1 CAFETORIUM AV LINE DRAWING
NOT TO SCALE

CV STARR CAFETORIUM STAGE LIGHTING



2 CAFETORIUM STAGE LIGHTING LINE DRAWING
NOT TO SCALE

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM & KITCHEN RENOVATION
RENOVATIONS AND ADDITIONAL WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
CAFETORIUM AV AND STAGE LIGHTING
LINE DRAWINGS

12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE: 30"x42"
DRAWING NO.: CVS AV200
SCALE: AS NOTED
DRAWN BY:
FILE NO.: 23505.02

PLOT DATE: December 05, 2024 - 9:29am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS AV200.dwg

Brewster CSD- CV Starr security additions		
Description	Quantity	Unit
8MP H4 Multisensor-270 Deg. Surface WITH IR PKG	2	Count
Avigilon H5A 4MP 3-9mm 4.0C-H5A-D1	2	Count
Avigilon H5A 6MP 5-8mm 8.0C-H5A-D1	2	Count
Exterior Evacuation Strobe (EES)	1	Count
IP Intercom Door Station	1	Count
Lockdown/Exterior Strobe Sys w/Sync Hardwired	1	Count
PKG: 4 DOOR-EP1502 & MR52 WITH 12 & 24VDC Power	1	Count
Proposed Access Door	2	Count

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
RENOVATION/ADDITION, INTERIOR
REMODELING & SITE IMPROVEMENTS
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
GROUND FLOOR AUDIO PLAN

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS SEC-1
SCALE: AS NOTED
DRAWN BY:
FILE NO.: 23505.02

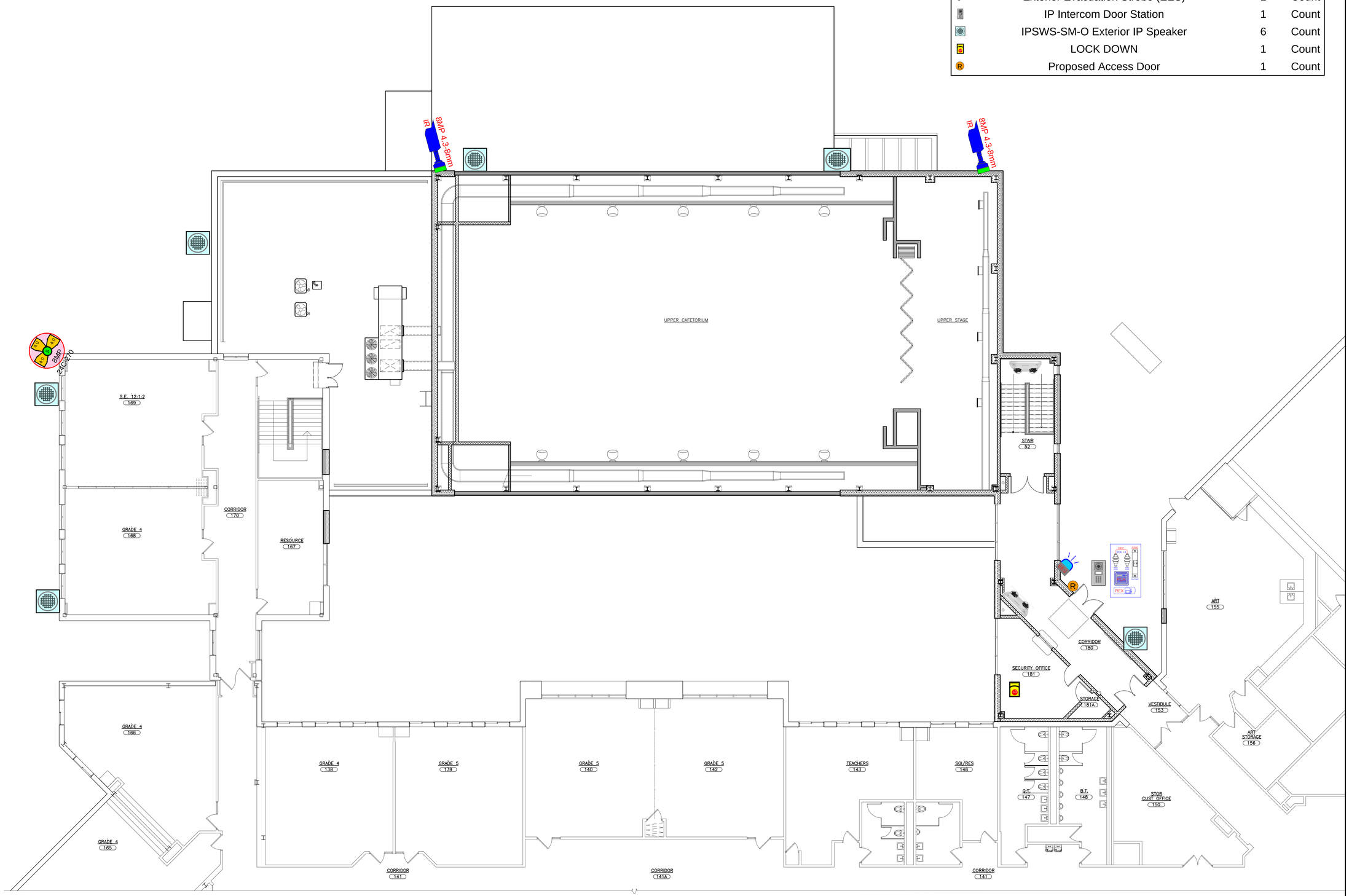
1 GROUND FLOOR PLAN
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

PLOT DATE: February 08, 2024 - 9:27am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS SEC-1-2-3.dwg

Brewster CSD- CV Starr security additions		
Description	Quantity	Unit
8.0L-H4A-BO1-IR AVG 8MP 4.3-8mm Bullet Camera	2	Count
8MP H4 Multisensor-270 Deg. Surface WITH IR PKG	1	Count
10.0C-H5DH-DO1-IR	2	Count
Exterior Evacuation Strobe (EES)	1	Count
IP Intercom Door Station	1	Count
IPSWS-SM-O Exterior IP Speaker	6	Count
LOCK DOWN	1	Count
Proposed Access Door	1	Count



1 FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

N

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION/INTERIOR
RENOVATIONS AS PER F&D
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
FIRST FLOOR AUDIO PLAN

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS SEC-2
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: February 08, 2024 - 9:27am

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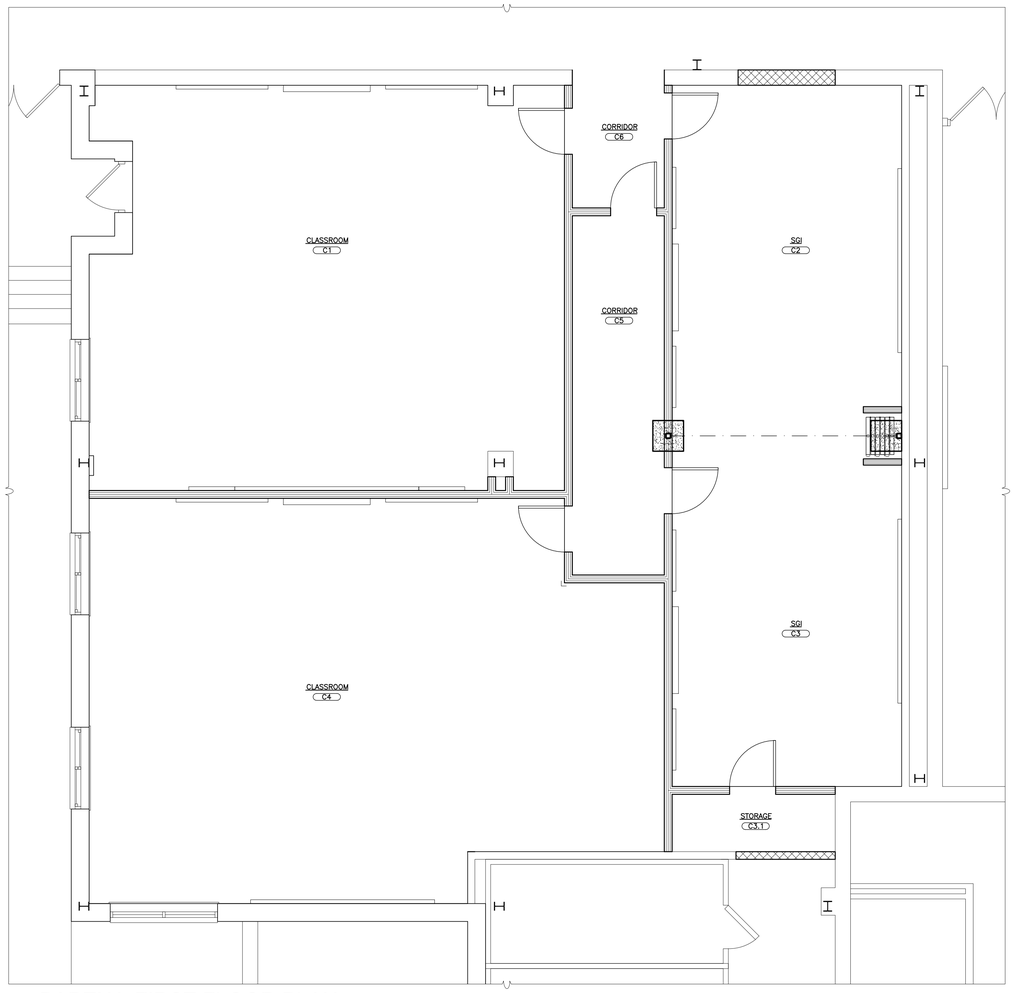
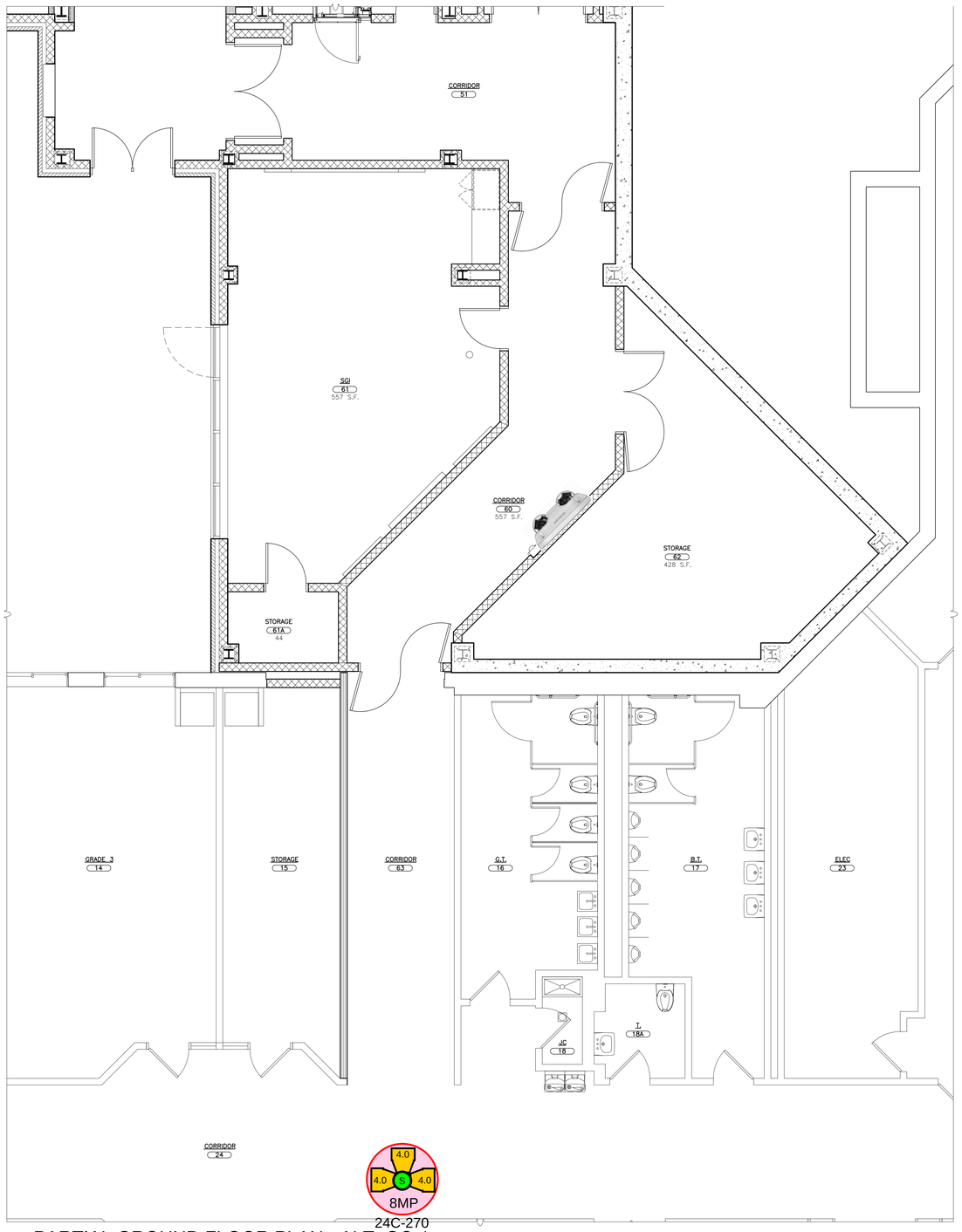
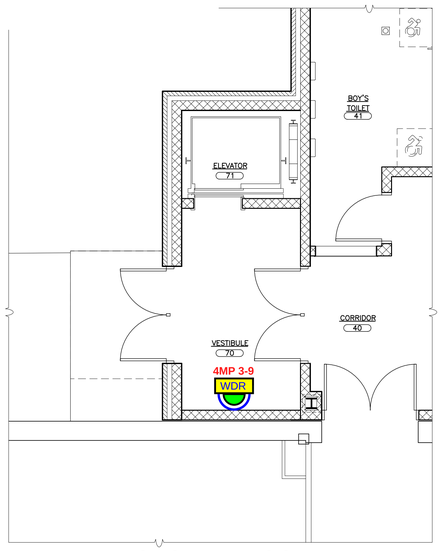


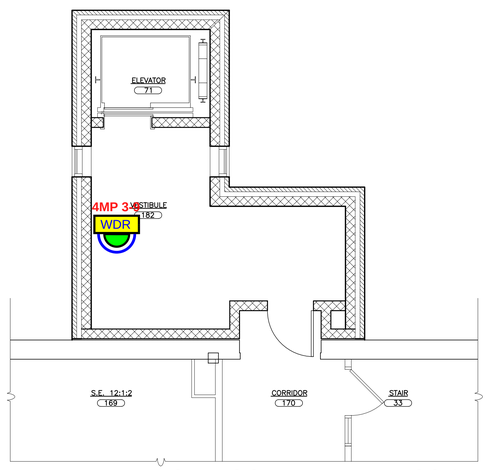
1 PARTIAL FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"



2 PARTIAL GROUND FLOOR PLAN - ALT. GC-1
SCALE: 1/4" = 1'-0"

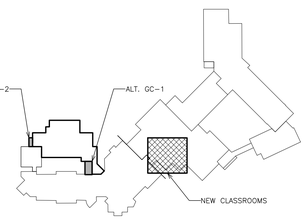


3 PARTIAL GROUND FLOOR PLAN - ALT. GC-2
SCALE: 1/4" = 1'-0"



4 PARTIAL FIRST FLOOR PLAN - ALT. GC-2
SCALE: 1/4" = 1'-0"

Brewster CSD- CV Starr security additions			
	Description	Quantity	Unit
	8MP H4 Multisensor-270 Deg. Surface WITH IR PKG	1	Count
	10.0C-H5DH-DO1-IR	1	Count
	Avigilon H5A 4MP 3-9mm 4.0C-H5A-D1	2	Count



KEY PLAN
N.T.S.

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S.E.D. CONTROL NUMBER:
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PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
RENOVATIONS, ADDITION, INTERIOR
REMODELING & SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
PARTIAL AUDIO PLANS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS SEC-3
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: February 08, 2024 - 9:29am

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COMMUNICATIONS SYMBOLS LIST

VOICE/DATA

- VOICE OUTLET – FLUSH WALL MOUNT
- DATA OUTLET – FLUSH WALL MOUNT
- VOICE/DATA OUTLET – FLUSH WALL MOUNT
- VOICE OUTLET – FURNITURE MOUNT
- DATA OUTLET – FURNITURE MOUNT
- VOICE/DATA OUTLET – FURNITURE MOUNT
- VOICE OUTLET – FLUSH FLOOR MOUNT
- DATA OUTLET – FLUSH FLOOR MOUNT
- VOICE/DATA OUTLET – FLUSH FLOOR MOUNT
- VOICE OUTLET – FLOOR BOX MOUNT
- DATA OUTLET – FLOOR BOX MOUNT
- VOICE/DATA OUTLET – FLOOR BOX MOUNT
- VOICE OUTLET – FLUSH CEILING MOUNT
- DATA OUTLET – FLUSH CEILING MOUNT
- VOICE/DATA OUTLET – FLUSH CEILING MOUNT
- A ANALOG OUTLET – FLUSH WALL MOUNT
- W TELEPHONE OUTLET – FLUSH WALL MOUNT
- WIRELESS OUTLET
- TV CATV OUTLET – TERMINATED ON F–TYPE CONNECTOR
- CONDUIT SLEEVE
- CORE DRILL
- LADDER RACKING SYSTEM
- CABLE TRAY / RACEWAY SYSTEM
- J–HOOK CABLE ROUTE
- TELEPHONE TERMINAL CABINET – SURFACE MOUNT
- TELEPHONE TERMINAL CABINET – FLUSH MOUNT
- EQUIPMENT RACK – FLOOR MOUNT
- EQUIPMENT RACK – WALL MOUNT

PUBLIC ADDRESS - CLOCK

- WALL MOUNTED IP SPEAKER ASSEMBLY
- FLUSH CEILING MOUNTED IP SPEAKER ASSEMBLY
- WALL MOUNTED IP CLOCK ASSEMBLY
- CAGE COVER FOR WALL MOUNTED SPEAKER OR CLOCK ASSEMBLY
- EXTERIOR RATED HORN

VOICE/DATA OUTLET DESIGNATIONS

WING — FLOOR — XY-WPZZ
- WING — INDICATION FOR WALL PHONE
- FLOOR — SEQUENTIAL 2 DIGIT NUMBER

1 PORT STATION OUTLET ID NOMENCLATURE
PORT 1 DESIGNATION – A

WING — FLOOR — XY-ZZZ
- WING — SEQUENTIAL 3 DIGIT NUMBER
- FLOOR — SEQUENTIAL 3 DIGIT NUMBER

2 PORT STATION OUTLET ID NOMENCLATURE
PORT 1 DESIGNATION – A
PORT 2 DESIGNATION – B

WING — FLOOR — XY-TZZ
- WING — INDICATION FOR WALL PHONE
- FLOOR — SEQUENTIAL 2 DIGIT NUMBER

6 PORT STATION OUTLET ID NOMENCLATURE
PORT 1 DESIGNATION – A
PORT 2 DESIGNATION – B
PORT 3 DESIGNATION – C
PORT 4 DESIGNATION – D
PORT 5 DESIGNATION – E
PORT 6 DESIGNATION – F

POWER

- T TRANSFORMER
- 20A, 125V DUPLEX RECEPTACLE – FLUSH WALL MOUNTED
- 20A, 125V QUADRUPLEX RECEPTACLE – FLUSH WALL MOUNTED
- 20A, 125V ISOLATED GROUND, DUPLEX RECEPTACLE, FLUSH FLOOR MOUNTED.
- 20A, 125V DUPLEX RECEPTACLE FLUSH WALL MOUNTED. GFI TYPE.
- 20A, 125V EMERGENCY DUPLEX RECEPTACLE. FLUSH WALL MOUNTED
- 20A, 125V DUPLEX RECEPTACLE SURFACE MOUNTED
- 20A, 125V SURGE SUPPRESSION DUPLEX RECEPTACLE. FLUSH WALL MOUNTED
- C FLUSH FLOOR MOUNTED JUNCTION BOX OR POKE–THRU FOR ELECTRIFIED FURNITURE POWER FEED
  C = VOICE/DATA FEED
- 20A, 125V DUPLEX RECEPTACLE FLUSH FLOOR MOUNTED
- 20A, 125V QUADRUPLEX RECEPTACLE FLUSH FLOOR MOUNTED
- A SPECIAL PURPOSE RECEPTACLE – FLUSH WALL MOUNTED
  A = TYPE
- A SPECIAL PURPOSE RECEPTACLE – FLUSH FLOOR MOUNTED
  A = INDICATES TYPE
- FLUSH FLOOR MOUNTED 20A, 125V DUPLEX RECEPTACLE
- FLUSH FLOOR MOUNTED 20A, 125V QUADRUPLEX RECEPTACLE
- FLUSH FLOOR MOUNTED JUNCTION BOX OR POKE–THRU FOR ELECTRIFIED FURNITURE POWER FEED.
- A PEDESTAL MOUNTED SPECIAL PURPOSE RECEPTACLE LETTER INDICATES TYPE
- PEDESTAL MOUNTED COMBINATION VOICE/DATA & POWER OUTLET
- J CEILING MOUNTED JUNCTION BOX WITH FINAL EQUIPMENT CONNECTION
- JH FLUSH WALL MOUNTED JUNCTION BOX WITH FINAL EQUIPMENT CONNECTION
- J FLUSH FLOOR MOUNTED JUNCTION BOX
- PULLBOX
- P POWER POLE
- EXISTING CONDUIT TO BE REMOVED
- EXISTING CONDUIT/EQUIPMENT TO REMAIN
- NEW CONCEALED CONDUIT
- NEW EXPOSED CONDUIT
- NEW UNDERGROUND/IN SLAB CONDUIT
- NEW EMERGENCY CONDUIT
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- CONDUIT STUB–UP WITH FLEXIBLE EQUIPMENT CONNECTION
- FLEXIBLE EQUIPMENT CONNECTION
- CAPPED CONDUIT
- 5, 3, 1 HOMERUN – NUMERAL WHERE USED INDICATES CIRCUIT NUMBER FOR REFERENCE ONLY.
- 1 HOMERUN – NUMERAL WHERE USED INDICATES CIRCUIT NUMBER FOR REFERENCE ONLY
- T P S UNDERFLOOR DUCT WITH COMPARTMENT JUNCTION BOX
  T = TELEPHONE
  P = POWER
  S = SIGNAL
- CABLE TRAY
- A # SECTION A
  # = DRAWING NUMBER

ABBREVIATIONS

+	SPECIAL MOUNTING HEIGHT. COORDINATE LOCATION WITH ARCHITECTURAL ELEVATIONS
1P, SP	SINGLE POLE
2P	TWO POLE
3P	THREE POLE
A	AMPERE
AC	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
ALM	ALARM
AMM	AMMETER
AQST	AQUASTAT
ARF	ABOVE RAISED FLOOR
ASYM	ASYMMETRICAL
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BG	BREAK GLASS SWITCH
BIL	BASIC IMPULSE LEVEL
BLDG	BUILDING
CAB	CABINET
CAT	CATALOG
C	CONDUIT
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CL	CENTER LINE
CLG	CEILING
CLOS	CLOSET
CTL	CONTROL
CO	CONDUIT ONLY
COMM	COMMUNICATION
CONN	CONNECTED
CONT	CONTINUATION
CU	COPPER
DB	DECIBEL
DEG	DEGREE
°C	DEGREE CELSIUS
°F	DEGREE FAHRENHEIT
DIA	DIAMETER
DISC	DISCONNECT
DIV	DIVISION
DN	DOWN
DT	DUST TIGHT
DWG	DRAWING
(E)	EXISTING TO REMAIN
EA	EACH
EC	ELECTRICAL CONTRACTOR
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER,EM	EMERGENCY
EQUIP	EQUIPMENT
(ER)	EXISTING TO BE REMOVED
(ERR)	EXISTING TO BE REMOVED & RELOCATED
ERC	ELECTRIC REHEAT COIL
EWC	ELECTRIC WATER COOLER
EXIST,EX	EXISTING
EXT	EXTERIOR
F&I	FURNISH AND INSTALL
FBO	FURNISHED BY OTHER DIVISION OF WORK
FDR	FEEDER
FDS	FUSED DISCONNECT SWITCH
FIXT	FIXTURE
FL	FLOOR
FLA	FULL LOAD AMPERES
FLEX	FLEXIBLE
FM	FLOOR MACHINE
FSP	FAN SHUTDOWN PANEL
FT	FEET OR FOOT
G	GROUND
GEN	GENERATOR
GFI	GROUND FAULT INTERRUPTER
HC	HUNG CEILING
HID	HIGH INTENSITY DISCHARGE
HH	HAND HOLE
HN	HALF NEUTRAL
HP	HORSE POWER
HV	HIGH VOLTAGE
HZ	HERTZ
IC	INTERRUPTING CAPACITY
ID	INSIDE DIAMETER
INST	INSTRUMENT
IPC	ISOLATED POWER CENTER
IPX	ISOLATED POWER CENTER–X–RAY
JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KW	KILOWATT
KWH	KILOWATT HOUR
LCP	LOCAL CONTROL PANEL
LIM	LINE ISOLATION MONITOR
MAP	MECHANICAL ALARM PANEL
MAX	MAXIMUM
MECH	MECHANICAL
MER	MECHANICAL EQUIPMENT ROOM
MFS	MAIN FUSED SWITCH
MH	MANHOLE
MIC	MICROPHONE
MIN	MINIMUM
MLO	MAIN LUG ONLY
MOPD,MOCP	MAX. OVERCURRENT PROTECTION
MTD	MOUNTED
MTG	MOUNTING
MTS	MANUAL TRANSFER SWITCH
MUFS	MAIN UNFUSED SWITCH
N	NEUTRAL
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NP	NETWORK PROTECTOR
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
P	POLE
PAP	PLUMBING ALARM PANEL
PB	PULL BOX
PBS	PUSH BUTTON SWITCH
PHC	PIPE HEATING CABLE
ø	PHASE
PA	PUBLIC ADDRESS
PNL	PANEL
PR	PRINTER
PS	PRESSURE SWITCH
PWR	POWER
RCS	REMOTE CONTROL SWITCH
RDCP	REMOTE DATA COLLECTION PANEL
(RE)	RELOCATED EXISTING
REQ	REQUIRED
RFL	RAISED FLOOR
RG	ROOM GROUND POINT
RM	ROOM
RO	RACEWAY ONLY
RP	REFERENCE GROUND POINT
(RRO)	EXISTING TO BE REMOVED AND RETURN TO OWNER
SAP	SPRINKLER ALARM PANEL
SCHED,SCH	SCHEDULE
SD	SMOKE DETECTOR
SDP	SMOKE DETECTION PANEL
SECT	SECTION
SIG	SIGNAL
SN	SOLID NEUTRAL
SPEC	SPECIFICATION
SPKR	SPEAKER
SW	SWITCH
SWBD	SWITCHBOARD
SYS	SYSTEMS
SYM	SYMMETRICAL
SV	SOLENOID VALVE
TB	TROUBLE BELL
TBD	TO BE DETERMINED
TLBD	TERMINAL BOARD
TEL	TELEPHONE
TEMP	TEMPERATURE
THERM	THERMOSTAT
TP	TAMPER PROOF
TRANSF,XFMR	TRANSFORMER
TS	TAMPER SWITCH
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
UFD	UNDERFLOOR DUCT
UNF	UNFUSED
UON	UNLESS OTHERWISE NOTED
V	VOLT OR VOLTAGE
VA	VOLT AMPERE
VM	VOLTMETER
VP	VAPORPROOF
W	WATT
WFS	WATER FLOW SWITCH
WHM	WATT HOUR METER
WP	WEATHERPROOF
WT	WATERTIGHT
XP	EXPLOSION PROOF

COMMUNICATIONS DEMOLITION NOTES

1. LOCATE, IDENTIFY, SEPARATE, AND COMPLETELY REMOVE AND DISPOSE OF ALL EXISTING COMMUNICATIONS CABLING WITHIN THE AREAS TO BE RENOVATED AND THE EXISTING TERMINATIONS IN THE COMMUNICATIONS CLOSETS IN ACCORDANCE WITH ELECTRICAL CODE REQUIREMENTS FOR REMOVAL OF ABANDONED CABLING.
2. OTHER ACTIVE LOW VOLTAGE CABLING (INCLUDING COMMUNICATION CABLING) SERVING AREAS NOT TO BE RENOVATED MAY BE BUNDLED WITH THE CABLING TO BE REMOVED. DO NOT REMOVE OR DAMAGE ANY CABLING SERVING AREAS NOT TO BE RENOVATED.
3. ACTIVE OPTICAL FIBER AND COPPER RISER CABLES, NETWORK SWITCHES, AND OTHER ACTIVE EQUIPMENT IS PRESENT IN THE TELECOM CLOSET. DO NOT DAMAGE OR DISTURB.
4. LOCATE, IDENTIFY, REMOVE AND DISPOSE OF ALL EXISTING OUTLET BACKBOXES, STUB–UPS AND CONDUITS NOTED ON DEMOLITION DRAWINGS AS "EXISTING" VOICE/DATA OUTLET & STUB–UP TO BE REMOVED".
5. REMOVE AND SAVE FOR OWNER'S REUSE OWNER'S EXISTING EQUIPMENT RACKS AND PATCH PANELS IN EXISTING COMMUNICATIONS CLOSET. OUTLET & STUB–UP TO BE REMOVED.

COMMUNICATIONS GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, NFPA, UL, ADA AND ALL OTHER GOVERNING AGENCIES HAVING JURISDICTION.
2. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS. MAINTAIN HEADROOM AND SPACE CONDITIONS.
3. VERIFY LOCATIONS OF OUTLETS IN FINISHED ROOMS WITH ARCHITECTURAL DRAWINGS OF INTERIOR DETAILS AND FINISH.
4. HOMERUN ALL VOICE, DATA AND VIDEO OUTLET CABLES VIA CONDUIT STUB–UPS, DRYWALLS AND ACCESSIBLE CEILINGS DIRECTLY TO THE IDF ROOMS AS INDICATED ON THE DRAWINGS.
5. INSTALL NEW WORK AND CONNECT TO EXISTING WORK, WHEN APPLICABLE, WITH MINIMUM INTERFERENCE TO EXISTING FACILITIES. TEMPORARY SHUTDOWNS: ONLY WITH WRITTEN CONSENT OF OWNER. MAINTAIN CONTINUOUS OPERATION OF EXISTING FACILITIES. ALARM AND EMERGENCY SYSTEMS ARE NOT TO BE INTERRUPTED.
6. FIRESTOPPING SHALL BE INSTALLED WHENEVER WIRING OR RACEWAYS CROSS FIRE RATED CONSTRUCTION.
7. ANY DAMAGE TO PARTITIONS, FLOORS, CEILINGS OR ANY PART OF THE BUILDING OR EQUIPMENT CAUSED BY THE WORK OF THE CONTRACTOR SHALL BE MADE GOOD AT NO ADDITIONAL EXPENSE TO THE OWNER.
8. ALL CUTTING AND PATCHING SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR.
9. UPON COMPLETION OF THE WORK, THREE MARKED–UP SETS OF "AS–BUILT" DRAWINGS SHALL BE SUBMITTED TO THE OWNER AND TWO SETS TO THE BUILDING MANAGER.
10. COMMUNICATIONS CONTRACTOR SHALL VISIT AND EXAMINE CAREFULLY THE EXISTING AREAS AFFECTED BY THIS WORK AND BECOME FAMILIAR WITH EXISTING CONDITIONS. CONTRACTOR SHALL PERFORM THIS PRIOR TO SUBMITTING HIS PROPOSAL. SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE.
11. CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC., AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS SO INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, CONTRACTOR AT HIS OWN EXPENSE SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT, AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
12. FINAL ACCEPTANCE IS TO BE MADE AFTER THE CONTRACTOR HAS DEMONSTRATED THAT THE WORK FULFILLS THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS.
13. ANY BLOCK WALLS WITHOUT EXISTING PENETRATION MUST BE CORED/DRILLED BY CONTRACTOR BASED ON FIELD COORDINATION.
14. ALL WORK SUBJECT TO FULL FIELD COORDINATION BY CONTRACTOR.
15. ALL LATERAL CABLING TO BE RUN TO WORK STATIONS VIA METAL SURFACE RACEWAY.
16. COORDINATE INSTALLATION OF CONDUITS, CABLE TRAYS AND J–HOOKS WITH ALL OTHER COMPONENTS AND/OR TRADES WITHIN THE CEILING SPACE.
17. COORDINATE WITH ELECTRICAL CONTRACTOR FOR THE ROUTING OF ALL STUB–UPS AND/OR RACEWAYS TO EACH TELECOM OUTLET BOX. STUB–UPS AND RACEWAYS SHALL BE RUN TO THE NEAREST ACCESSIBLE CEILING SPACE.
18. STANDARD OUTLET MOUNTING HEIGHT SHALL BE THE SAME AS ELECTRICAL HEIGHT, UNLESS OTHERWISE NOTED. EXACT LOCATION OF OUTLETS SHALL BE AS INDICATED ON THE ARCHITECTURAL DRAWINGS.
19. PROVIDE FIRESTOPPING FOR ALL SLEEVE AND CONDUIT PENETRATIONS THROUGH RATED PARTITIONS OR FLOORS IN ACCORDANCE WITH THE SPECIFICATIONS.
20. LABEL ALL RACKS, FRAMES, CABINETS, BLOCKS, CABLES, CABLE SUPPORTS, ETC. IN ACCORDANCE WITH EIA/TIA 606.
21. OUTLET IDENTIFICATION NUMBERING SHALL BE AS DIRECTED BY OWNERS MIS DEPARTMENT. INSTALLATION SHALL COMPLY WITH SPECIFICATIONS. EACH CABLING SHALL BE TAGGED AT ALL TERMINATION POINTS.

PAGING & CLOCK BILL OF MATERIAL

ITEM	DESCRIPTION	PART NUMBER	NOTES
1	BOGEN NYQUIST ANALOG STATION BRIDGE	NQ-E7030	
2	INPUT/OUTPUT CONTROLLER	NQ-E7010	
3	NQ SERIES CEILING MOUNT SPEAKER	NQ-S1810CT-G2	
4	NQ SERIES WALL MOUNT SPEAKER	NQ-S1810WT-G3	
5			
6	DIGITAL CALL SWITCH	NQ-E7020	
7	MATRIX MIXER PRE-AMP	NQ-P0100	
8	BOGEN VOIP ADMIN PHONE - COLOR TOUCH DISPLAY	NQ-T1100	
9	PLENUM RATED VOIP INTERCOM MODELS	NQ-GA10P/NQ-GA10PV	
10			
11	NYQUIST SYSTEM CONTROLLER	NQ-SYSCTRL	
12	NETWORK 2-CHANNEL AUDIO POWER AMPLIFIERS	NQ-A2120	
13	BCMA 3000 SERIES MASTER CLOCK	3000 SERIES	
14	BCAL SERIES BATTERY ROUND CLOCK	BCAL-5AS-12R-0-XX	
15			

SPEAKER AND CLOCK DEVICE ALLOWNCES

1. CONTRACTOR SHALL FURNISH TO THE SCHOOL FIVE (5) OF EACH COMPONENT INSTALLED FOR THE PROJECT FOR ATTIC STOCK AND FUTURE ADDITIONS TO THE SYSTEM. INCLUDE FOR EACH THE ASSOCIATED CIRCUIT CONNECTION VIA A 25FT ALLOWANCE OF CABLING IN RACEWAY AND SYSTEM PROGRAMMING. COMPONENTS SHALL INCLUDE THE FOLLOWING:
   - FIVE (5) EXTERNAL SPEAKER ASSEMBLY FOR EXTERIOR RATED SPEAKER ASSEMBLIES
   - FIVE (5) INTERNAL SPEAKER ASSEMBLY FOR ACT, INCLUDE ALL COMPONENTS OF COMPLETE SPEAKER ASSEMBLY FOR 5 COMPLETE ASSEMBLIES.
   - FIVE (5) INTERNAL SPEAKER ASSEMBLIES FOR CLASSROOMS, INCLUDE ALL COMPONENTS FOR OF A COMPLETE SPEAKER ASSEMBLY FOR 5 COMPLETE ASSEMBLIES
   - FIVE (5) INTERNAL CLOCK ASSEMBLIES FOR CLASSROOMS
   - FIVE (5) INTERNAL CLOCK ASSEMBLIES FOR NON CLASSROOM AREAS
2. CONTRACTOR SHALL PROVIDE 1 YEAR WORKMANSHIP WARRANTY ON ALL NEWLY INSTALLED INFRASTRUCTURE. CONTRACTOR SHALL EXTEND BOGEN WARRANTY TO PROJECT SITE FOLLOWING THE EXPIRATION OF 1 YEAR SERVICE AGREEMENT. AS AN ADD ALTERNATE, CONTRACTOR TO PROVIDE A MAINTENANCE CONTRACT TO BE REVIEWED AND NEGOTIATED WITH THE SCHOOL DISTRICT FOR CONTINUING SERVICE AND MAINTENANCE FOR NEWLY INSTALLED SYSTEMS.

GROUNDING & BONDING GENERAL NOTES

1. GROUNDING SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITIES, AND SUBJECT TO THE APPROVAL OF THE ELECTRICAL ENGINEER.
2. ALL GROUND WIRES AND BONDING JUMPERS SHALL BE GREEN INSULATED, COPPER. ALL GROUND WIRES SHALL BE WITHOUT JOINTS AND SPLICES OVER THE ENTIRE LENGTH.
3. WHERE IT IS NECESSARY TO PLACE BONDING CONDUCTORS IN FERROUS METAL CONDUIT THAT EXCEEDS 3' IN LENGTH, THE CONDUCTORS SHALL BE BONDED TO EACH END OF THE CONDUIT. OBTAIN WRITTEN AUTHORIZATION FROM ENGINEER PRIOR TO UTILIZING FERROUS METAL CONDUITS FOR GROUNDING CONDUCTORS.
4. INSTALL BONDING AND GROUNDING CONDUCTORS IN DIRECT, STRAIGHT PATHS WITH NO "SLACK" COPPER LOOPS OR EXTRA LENGTHS. BENDS SHALL BE KEPT TO A MINIMUM, AND SHALL HAVE A RADIUS OF 4", MINIMUM.
5. PROVIDE AN INSULATED, STRANDED UNINTERRUPTED BONDING CONDUCTOR BETWEEN THE TMGB AND THE NEAREST BUILDING STEEL COLUMN, IF APPLICABLE. THE BONDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE BUILDING COLUMN AND MECHANICALLY BONDED TO THE TMGB WITH A TWO HOLE LUG THAT IS HYDRAULICALLY CRIMPED ONTO THE CONDUCTOR.
6. PROVIDE AN INSULATED, STRANDED UNINTERRUPTED BONDING CONDUCTOR BETWEEN THE TMGB AND THE MAIN ELECTRICAL PANEL ALTERNATING CURRENT EQUIPMENT GROUND THAT IS SERVING THE BUILDING. THE BONDING CONDUCTOR SHALL BE MECHANICALLY BONDED TO BOTH THE TMGB AND THE GROUND BAR IN THE ELECTRICAL PANEL WITH TWO HOLE LUGS THAT ARE HYDRAULICALLY CRIMPED ONTO EACH END OF THE BONDING CONDUCTOR.
7. PROVIDE AN INSULATED, UNINTERRUPTED TELECOMMUNICATIONS BONDING BACKBONE (TBB) CONDUCTOR BETWEEN THE TMGB AND ALL THE TGBS INDICATED ON THE DRAWINGS. MECHANICALLY BOND THE TBB TO THE TMGB WITH A TWO HOLE LUG THAT IS HYDRAULICALLY CRIMPED ONTO THE END OF THE TBB. BOND EACH TGB TO THE TBB WITH AN INSULATED, STRANDED, UNINTERRUPTED BONDING CONDUCTOR. THE BONDING CONDUCTOR SHALL BE MECHANICALLY BONDED TO BOTH THE TGB AND THE TBB. AT THE TGB, UTILIZE A TWO HOLE LUG THAT IS HYDRAULICALLY CRIMPED ONTO THE END OF THE BONDING CONDUCTOR. AT THE TBB, UTILIZE A HYDRAULICALLY CRIMPED BONDING LUG. REMOVE ONLY AS MUCH INSULATION FROM THE TBB AS IS NECESSARY AND PRACTICAL TO COMPLETE THE BOND.
8. PROVIDE AN INSULATED, UNINTERRUPTED GROUNDING CONDUCTOR FROM EACH TGB TO THE NEAREST ACCESSIBLE STEEL BUILDING COLUMN, IF APPLICABLE. THE BONDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE BUILDING COLUMN AND MECHANICALLY BONDED TO THE TGB WITH A TWO HOLE LUG THAT IS HYDRAULICALLY CRIMPED ONTO THE CONDUCTOR.
9. PROVIDE AN INSULATED, UNINTERRUPTED GROUNDING CONDUCTOR FROM EACH TGB TO GROUND BAR IN THE ELECTRICAL DISTRIBUTION PANEL SERVING THE TELECOMMUNICATIONS LOADS IN THAT ROOM. THE BONDING CONDUCTOR SHALL BE MECHANICALLY BONDED TO BOTH THE TGB AND THE GROUND BAR IN THE ELECTRICAL PANEL WITH TWO HOLE LUGS THAT ARE HYDRAULICALLY CRIMPED ONTO EACH END OF THE BONDING CONDUCTOR.

COMMUNICATIONS PATHWAYS GENERAL NOTES

1. CONDUITS AND SLEEVES ARE SHOWN DIAGRAMMATICALLY AS COMMUNICATION PATHWAY REQUIREMENTS. EXACT ROUTING, BENDS, PULL–BOX LOCATIONS, ETC. ARE SUBJECT TO FIELD CONDITIONS AND SHALL BE COORDINATED WITH ELECTRICAL ENGINEER. REFER TO ELECTRICAL DRAWINGS FOR DETAILS.
2. COMMUNICATIONS CONDUIT RUNS SHALL BE INSTALLED WITH:
   2.1. NO BEND IN EXCESS OF 90–DEGREES,
   2.2. NO AGGREGATE OF BENDS GREATER THAN 180–DEGREES BETWEEN PULL BOXES OR PULL POINTS,
   2.3. NO CONTINUOUS SECTION IN EXCESS OF 100',
   2.4. NO BENDS OCCURRING WITHIN PULL BOXES.
3. COMMUNICATIONS CONDUIT BENDS SHALL BE INSTALLED WITH:
   3.1. A BEND RADIUS OF 6–TIMES THE CONDUIT'S INNER DIAMETER FOR CONDUITS 2 TRADE SIZE OR SMALLER,
   3.2. A BEND RADIUS OF 10–TIMES THE CONDUIT'S INNER DIAMETER FOR CONDUITS GREATER THAN 2 TRADE SIZE.
4. COMMUNICATIONS CONDUIT SYSTEM SHALL BE PROPERLY BONDED IN ACCORDANCE WITH ALL NATIONAL OR LOCAL REQUIREMENTS.
5. ELECTRICAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF FIELD–COORDINATED TELECOM PATHWAYS TO ELECTRICAL ENGINEER AND TELECOM ENGINEER FOR REVIEW AND APPROVAL.

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION & INTERIOR RENOVATIONS AS A CAFETERIA
237 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
PUBLIC ADDRESS/CLOCK SHEET

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS T000
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 9:20am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS T000.dwg

DRAWING NOTES:

1. PRIOR TO BID SUBMISSION, CONTRACTOR SHALL VISIT SITE TO VERIFY LOCATION OF MDF ROOM SHOWN ON THIS PLANS. CONTRACTOR SHALL VERIFY NEW RACK LOCATIONS, VERTICAL AND HORIZONTAL CORE LOCATIONS AND REQUIREMENTS AND LOGICAL LOCATIONS FOR NEW CORES AND SLEEVES WHERE REQUIRED.
2. ALL ACTIVE GEAR IN THE MDF SPACE SHALL BE LEFT IN USE AND ACTIVE. CONTRACTOR SHALL TAKE CARE NOT TO DISRUPT THE CURRENT PRODUCTION NETWORK.

KEY NOTES:

1. WALL MOUNTED CLOCK ASSEMBLY (TYP)
2. CEILING MOUNTED 8" SPEAKER ASSEMBLY INTERIOR (TYP)
3. WALL MOUNTED 8" SPEAKER ASSEMBLY INTERIOR (TYP)
4. WALL MOUNTED SPEAKER ASSEMBLY EXTERIOR (TYP)

EXISTING BUILDING / NEW ADDITION

DRY STORAGE 50A · FREEZER 50D · COOLER 50C · KITCHEN 50 · LOCKER 50E · TOILET 50F · J.C. 50G · OFFICE 50H · ELEC. 50I · DRY STORAGE 50B · SERVERY 50J · VESTIBULE 45.1 · OFFICE 44 · BOY'S TOILET 41 · GIRL'S TOILET 42 · OFFICE 43 · CORRIDOR 40 · STAIR 33 · J.C. 46 · VEST. 34 · S.E. 12:1:2 31 · CORRIDOR 45 · MECH 47 · VESTIBULE 48 · CAFETORIUM 49 · STAGE / MUSIC ROOM 49A · STAIR 52 · CORRIDOR 32 · GRADE 4 30 · FACULTY 35 · CORRIDOR 51 · COURTYARD – · MECH 22 · GRADE 4 28 · CORRIDOR 32B · GRADE 3 10 · GRADE 3 11 · GRADE 3 12 · GRADE 3 13 · GRADE 3 14 · SGI/RES 15 · G.T. 16 · B.T. 17 · O.T. 18A · 18 · ELEC 23 · STOR 21 · ST 24 · GRADE 4 27 · CORRIDOR 24 · CORRIDOR 25 · CORRIDOR 24

LINE OF ALTERNATE GC-2. SEE DRAWINGS A110.

LINE OF ALTERNATE GC-1. SEE DRAWINGS A110.

1 GROUND FLOOR PLAN
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION AND TERROR
RENOVATIONS AS PART OF A PHASE 1 WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

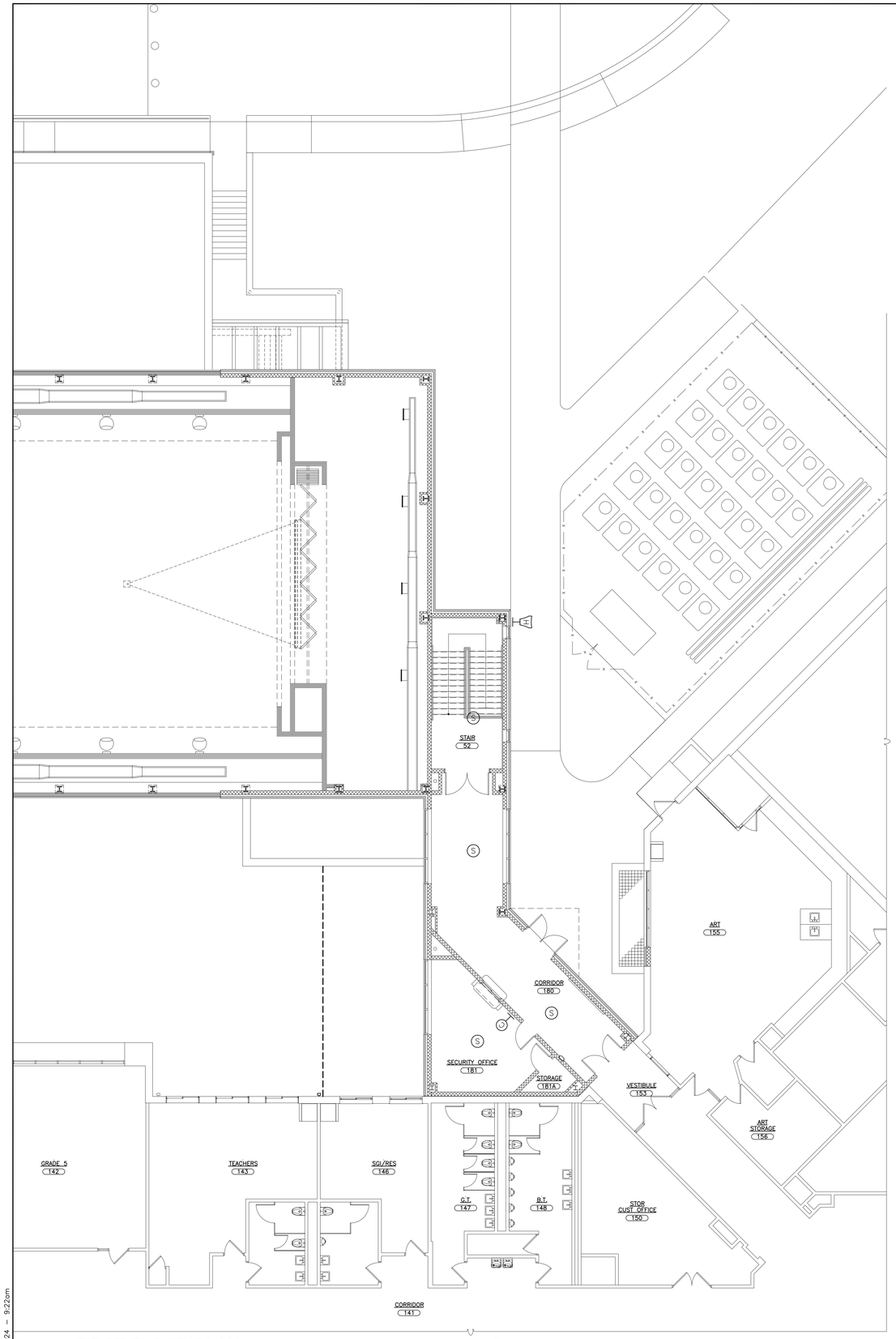
DRAWING TITLE
GROUND FLOOR PLAN

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42" · DRAWING NO. CVS T101
SCALE AS NOTED · FILE NO. 23505.02
DRAWN BY

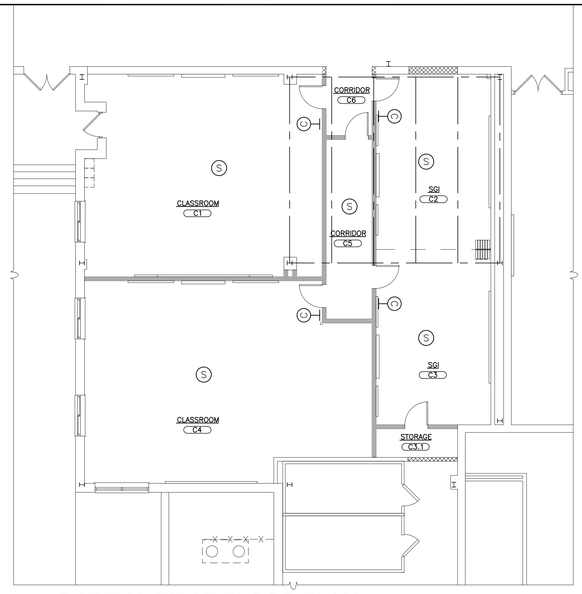
PLOT DATE: December 05, 2024 - 9:21am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS T101.dwg



1 FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'



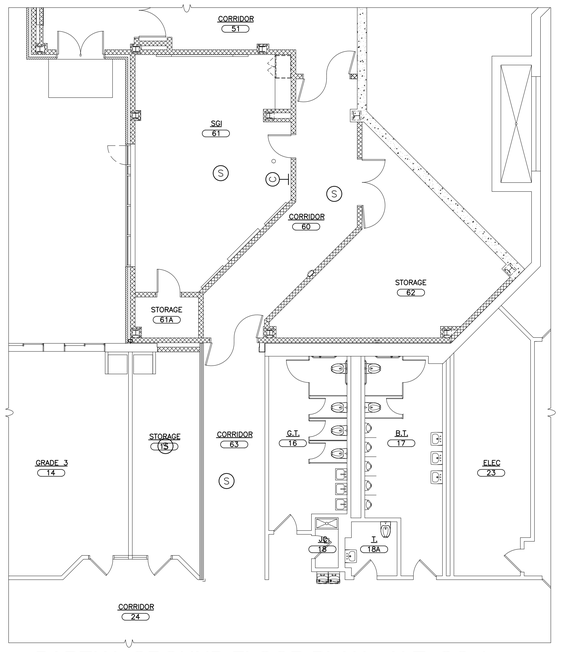
2 PARTIAL FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

DRAWING NOTES:

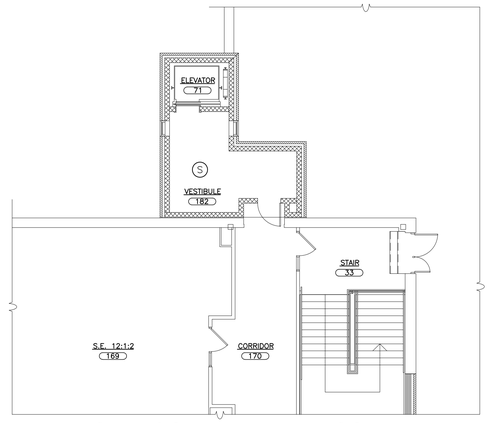
1. PRIOR TO BID SUBMISSION, CONTRACTOR SHALL VISIT SITE TO VERIFY LOCATION OF MDF ROOM SHOWN ON THIS PLANS. CONTRACTOR SHALL VERIFY NEW RACK LOCATIONS, VERTICAL AND HORIZONTAL CORE LOCATIONS AND REQUIREMENTS AND LOGICAL LOCATIONS FOR NEW CORES AND SLEEVES WHERE REQUIRED.
2. ALL ACTIVE GEAR IN THE MDF SPACE SHALL BE LEFT IN USE AND ACTIVE. CONTRACTOR SHALL TAKE CARE NOT TO DISRUPT THE CURRENT PRODUCTION NETWORK.

KEY NOTES:

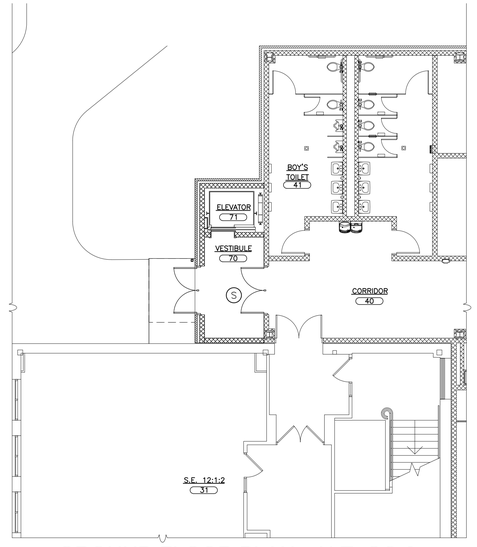
1. WALL MOUNTED CLOCK ASSEMBLY (TYP)
2. CEILING MOUNTED 8" SPEAKER ASSEMBLY INTERIOR (TYP)
3. WALL MOUNTED 8" SPEAKER ASSEMBLY INTERIOR (TYP)
4. WALL MOUNTED SPEAKER ASSEMBLY EXTERIOR (TYP)



3 PARTIAL GROUND FLOOR PLAN - ALT. GC-1
SCALE: 1/8" = 1'-0"



5 FIRST FLOOR PLAN - ALT. GC-2
SCALE: 1/8" = 1'-0"



4 GROUND FLOOR PLAN - ALT. GC-2
SCALE: 1/8" = 1'-0"

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
FIRST FLOOR PLANS, GROUND FLOOR PLAN - ALT. GC-2 & FIRST FLOOR ALTERNATE PLAN

12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE 30"x42"	DRAWING NO. CVS T102
SCALE AS NOTED	
DRAWN BY	FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 9:22am

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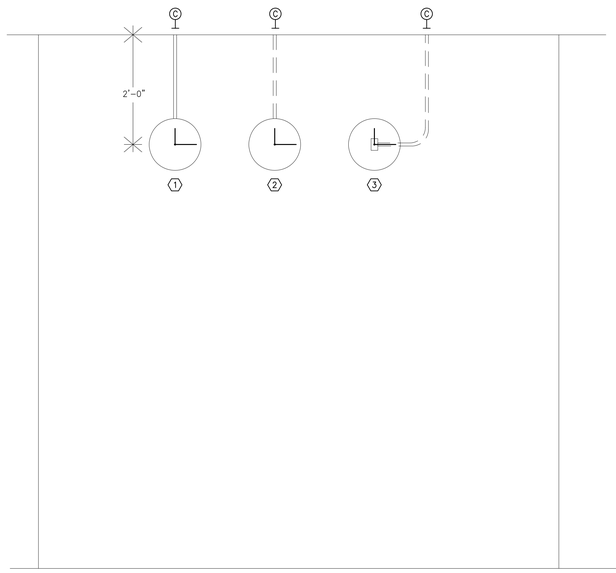
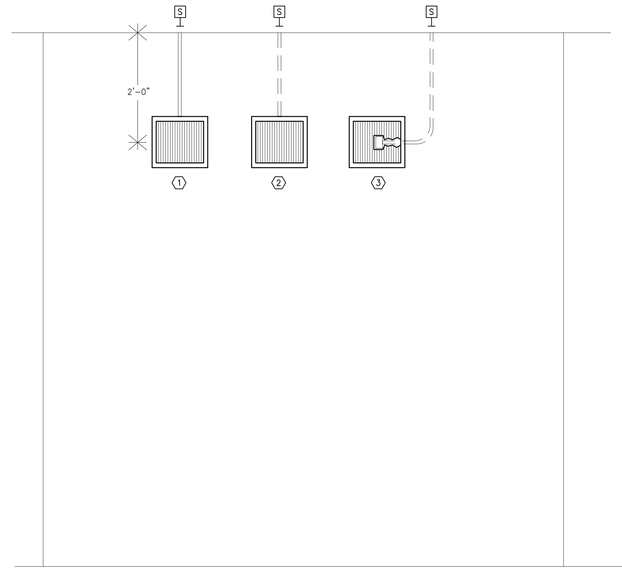


1 ROUND CLOCK NOTES & DETAILS
SCALE: N.T.S.

1. REPRESENTS NEW CLOCK ASSEMBLY WITH NEW WIREMOLD/LATCH DUCT FOR ROUTING CABLE PLANT FROM EXISTING ZONE SERVING IDF TO EACH NEW CLOCK ASSEMBLY
2. REPRESENTS NEW CLOCK ASSEMBLY ATTACHED TO FISHABLE WALL STRUCTURE. PROVIDE RACEWAY CUT IN AND MP1 STYLE BOX ELIMINATOR WHERE POSSIBLE. ROUTE CABLE PLANT FROM EXISTING ZONE SERVING IDF TO EACH NEW CLOCK ASSEMBLY
3. REPRESENTS NEW CLOCK ASSEMBLY ATTACHED TO EXISTING RACEWAY SYSTEM. WHERE POSSIBLE, RE-USE EXISTING RACEWAY AND BACK BOX ASSEMBLY. ROUTE CABLE PLANT FROM EXISTING ZONE SERVING IDF TO EACH NEW CLOCK ASSEMBLY

INSTALLATION NOTES:

1. PROVIDE NEW CLOCKS AS REPRESENTED ON PROGRESS SET OF PLANS. NEW CLOCKS SHALL BE IP BASED ANALOG PRESENTATION WITH BLACK TRIM AND LETTERS WITH WHITE BACKGROUND.
2. PROVIDE NEW CATEGORY 6 UTP/CMP CABLE FROM NEAREST FLOOR SERVING TELECOMMUNICATIONS ROOM TO EACH NEW CLOCK DEVICE. PROVIDE OVERHEAD PATHWAY OF NEW J-HOOK ASSEMBLIES WHERE REQUIRED. IF CAPACITY EXISTS IN CURRENT PATHWAY CONTRACTOR CAN USE EXISTING PROVING CAPACITY POST INSTALL IS STILL AVAILABLE.

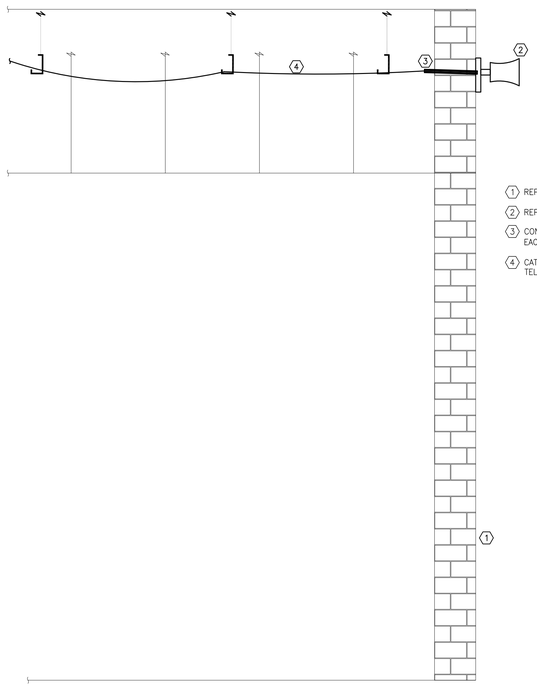


2 WALL MOUNTED SPEAKER NOTES & DETAILS
SCALE: N.T.S.

1. REPRESENTS NEW SPEAKER ASSEMBLY WITH NEW WIREMOLD/LATCH DUCT FOR ROUTING CABLE PLANT FROM EXISTING ZONE SERVING IDF TO EACH NEW SPEAKER ASSEMBLY
2. REPRESENTS NEW ROUND SPEAKER ASSEMBLY ATTACHED TO FISHABLE WALL STRUCTURE. PROVIDE RACEWAY CUT IN AND MP1 STYLE BOX ELIMINATOR WHERE POSSIBLE. ROUTE CABLE PLANT FROM EXISTING ZONE SERVING IDF TO EACH NEW SPEAKER ASSEMBLY
3. REPRESENTS NEW SPEAKER ASSEMBLY ATTACHED TO EXISTING RACEWAY SYSTEM. WHERE POSSIBLE, RE-USE EXISTING RACEWAY AND BACK BOX ASSEMBLY. ROUTE CABLE PLANT FROM EXISTING ZONE SERVING IDF TO EACH NEW SPEAKER ASSEMBLY

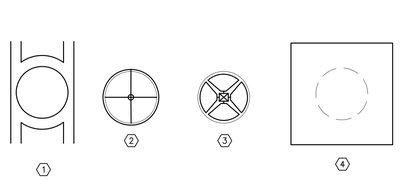
INSTALLATION NOTES:

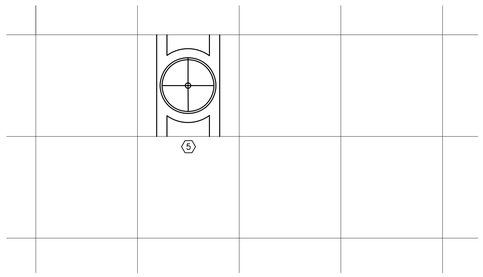
1. PROVIDE NEW SPEAKERS AS REPRESENTED ON PROGRESS SET OF PLANS. NEW SPEAKERS SHALL BE IP BASED. STYLE AND COLOR TBD
2. PROVIDE NEW CATEGORY 6 UTP/CMP CABLE FROM NEAREST FLOOR SERVING TELECOMMUNICATIONS ROOM TO EACH NEW SPEAKER DEVICE. PROVIDE OVERHEAD PATHWAY OF NEW J-HOOK ASSEMBLIES WHERE REQUIRED. IF CAPACITY EXISTS IN CURRENT PATHWAY CONTRACTOR CAN USE EXISTING PROVING CAPACITY POST INSTALL IS STILL AVAILABLE.



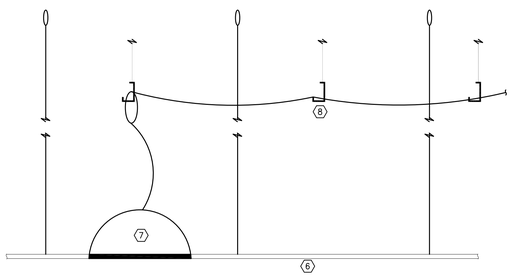
1. REPRESENTS EXTERIOR WALL
2. REPRESENTS EXTERNAL SPEAKER HORN/25/70W TAPPABLE – IP67 RATED ENCLOSURE
3. CONDUIT CHASE, INSTALLED AT SLIGHT ANGLE SLOPING DOWN AND OUTWARD. ASSUME EACH SLEEVE INSTALLED TO BE NO LESS THAN 1" O.D.
4. CATEGORY 6 UTP/CMP FROM EACH HORN TO NEAREST FLOOR SERVING TELECOMMUNICATIONS ROOM.

3 EXTERNAL HORN NOTES & DETAILS
SCALE: N.T.S.





1. REPRESENTS NEW SPEAKER H FRAME FOR CEILING MOUNTED SPEAKER ASSEMBLIES
2. REPRESENTS SPEAKER BAFFLE FOR 8" SPEAKER, ATTACHES TO H FRAME
3. REPRESENTS 25/70W TAPPED SPEAKER
4. REPRESENTS NEW TILE CUT IN EXISTING ACT OR SPLINE CEILING, REFER TO PLANS AND SITE VISIT TO VALIDATE ACT VS SPLICE CEILING CUT IN REQUIREMENTS.
5. REPRESENTS H FRAME AND COMPLETE SPEAKER ASSEMBLY INSTALLED IN CENTER OF ACT OR SPLINE BAY/TILE
6. REPRESENTS T FRAME OR SPLINE FRAME FOR EXISTING ACOUSTICAL CEILING TILE
7. REPRESENTS SECTION CUT OF NEWLY INSTALLED SPEAKER IN ACT/SPLINE CEILING
8. REPRESENTS NEW OR EXISTING J-HOOK PATHWAY, SECURED TO PERMANENT BUILDING STRUCTURE.



4 DROP IN SPEAKER NOTES & DETAILS
SCALE: N.T.S.

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM & KITCHEN INTERIOR
RENOVATIONS AND ADDITIONAL WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
PUBLIC ADDRESS RISER DIAGRAM & DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS T200
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 9:23am

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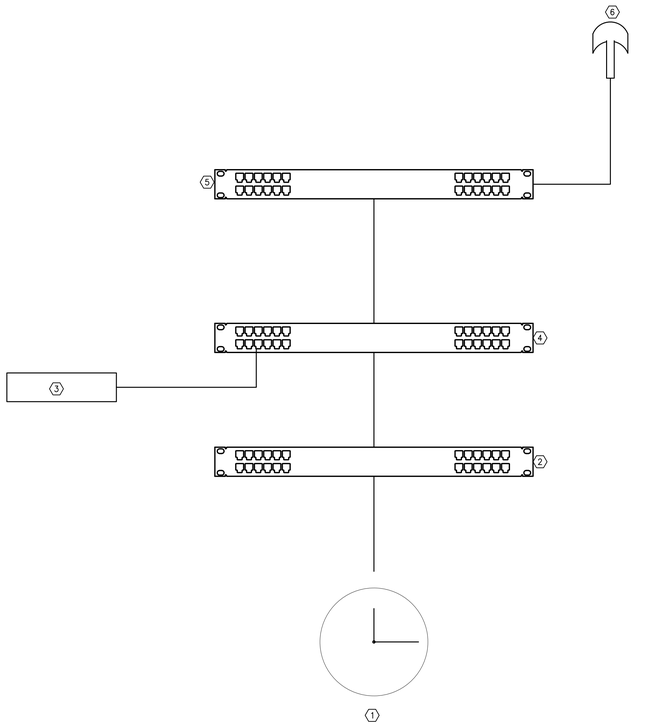
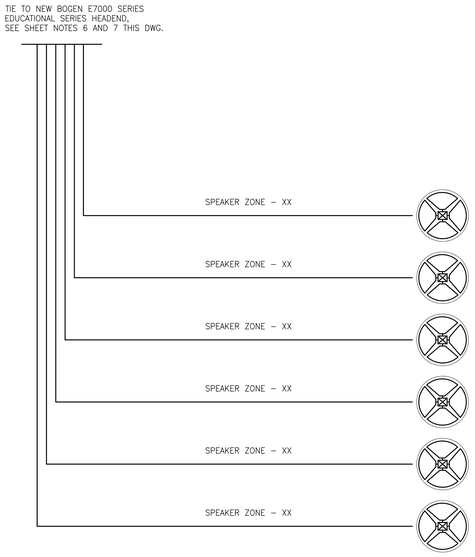


1 BASIC CLOCK SINGLE LINE NOTES AND DETAILS
SCALE: N.T.S.

1. ROUND ANALOG IP CLOCK – REFER TO TECHNICAL SPECIFICATIONS FOR SPEAKER CRITERIA
2. POE SWITCH, PROVIDED AS PART OF THE PROJECT
3. DEDICATED DHCP SERVER/ROUTER
4. DATA SWITCH, PROVIDED AS PART OF THE PROJECT
5. MASTER CLOCK SERVER
6. GPS CABLE AND RECEIVER INSTALLED ON ROOFTOP OR CONVENIENT FREE AIR LOCATION.

SHEET NOTES:

1. CONTRACTOR RESPONSIBLE FOR COMPLETE INTEGRATION, START UP, TESTING AND VALIDATION OF A COMPLETE SPEAKER SYSTEM INCLUDING ZONING.
2. CONTRACTOR SHALL WORK WITH BCSD TO PROVIDE REQUIRED SPEAKER ZONES FOR EACH SCHOOL. ZONES WILL HAVE BUT NOT BE LIMITED TO THE FOLLOWING ZONES:
   A. ALL INDIVIDUAL CLASSROOMS AND ROOMS WITH SPEAKERS
   B. INDIVIDUAL HALLWAYS
   C. INDIVIDUAL INTERNAL AREAS AND SECTIONAL AREAS OF THE SCHOOL
   D. EXTERNAL AREAS INCLUDING COURTYARDS, PLAYGROUNDS AND AREAS AROUND SCHOOL THAT NEED TO BE ZONED. PRIOR TO SYSTEM ORDER, CONTRACTOR SHALL COORDINATE A ZONING MEETING WITH EACH SCHOOLS STAFF TO CLEARLY UNDERSTAND AND PLAN PLAN FOR THE INTEGRATION OF THE ZONING SCHEME PER SCHOOL. ZONING IS A DIRECTLY RELATED SCOPE ITEM FOR THIS PROJECT, ALL ACTIVE AND PASSIVE GEAR INCLUDING PROGRAMMING AND TRAINING AND TURNOVER SHALL BE INCLUDED IN THE CONTRACTORS BID RESPONSE.



2 BASIC SPEAKER SINGLE LINE NOTES AND DETAILS
SCALE: N.T.S.

DETAIL NOTES:

CONTRACTOR RESPONSIBLE FOR COMPLETE INTEGRATION, START UP, TESTING AND VALIDATION OF A COMPLETE SPEAKER SYSTEM INCLUDING ZONING.

CONTRACTOR SHALL WORK WITH BCSD TO PROVIDE REQUIRED SPEAKER ZONES FOR EACH SCHOOL. ZONES WILL HAVE BUT NOT BE LIMITED TO THE FOLLOWING ZONES:
A. ALL INDIVIDUAL CLASSROOMS AND ROOMS WITH SPEAKERS
B. INDIVIDUAL HALLWAYS
C. INDIVIDUAL INTERNAL AREAS AND SECTIONAL AREAS OF THE SCHOOL
D. EXTERNAL AREAS INCLUDING COURTYARDS, PLAYGROUNDS AND AREAS AROUND SCHOOL THAT NEED TO BE ZONED. PRIOR TO SYSTEM ORDER, CONTRACTOR SHALL COORDINATE A ZONING MEETING WITH EACH SCHOOLS STAFF TO CLEARLY UNDERSTAND AND PLAN PLAN FOR THE INTEGRATION OF THE ZONING SCHEME PER SCHOOL. ZONING IS A DIRECTLY RELATED SCOPE ITEM FOR THIS PROJECT, ALL ACTIVE AND PASSIVE GEAR INCLUDING PROGRAMMING AND TRAINING AND TURNOVER SHALL BE INCLUDED IN THE CONTRACTORS BID RESPONSE.

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR
RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE:
PUBLIC ADDRESS RISER DIAGRAM & DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

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SCALE: AS NOTED
DRAWN BY:
FILE NO.: 23505.02

PLOT DATE: December 05, 2024 - 9:23am

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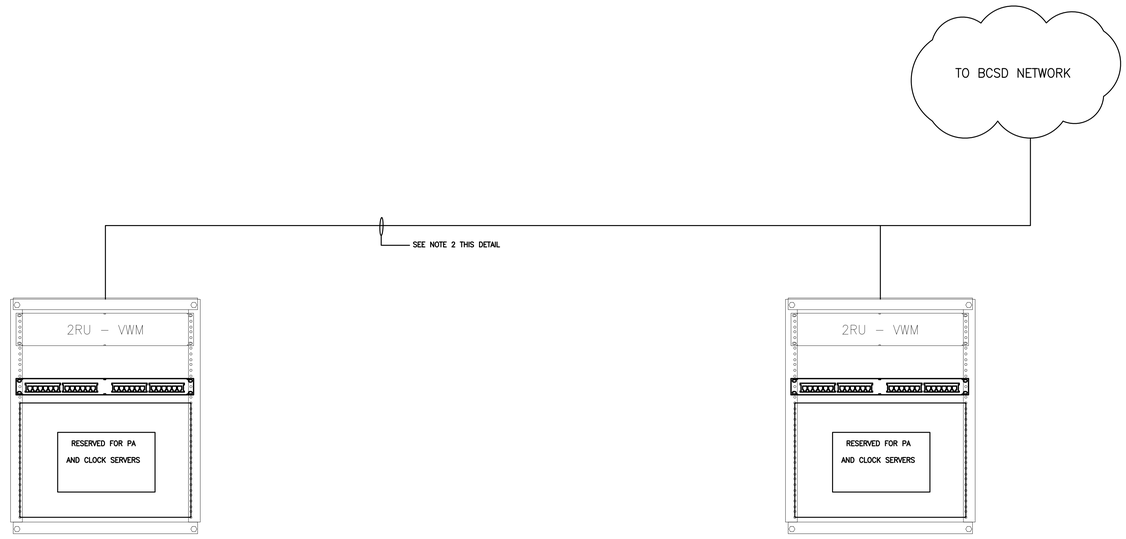
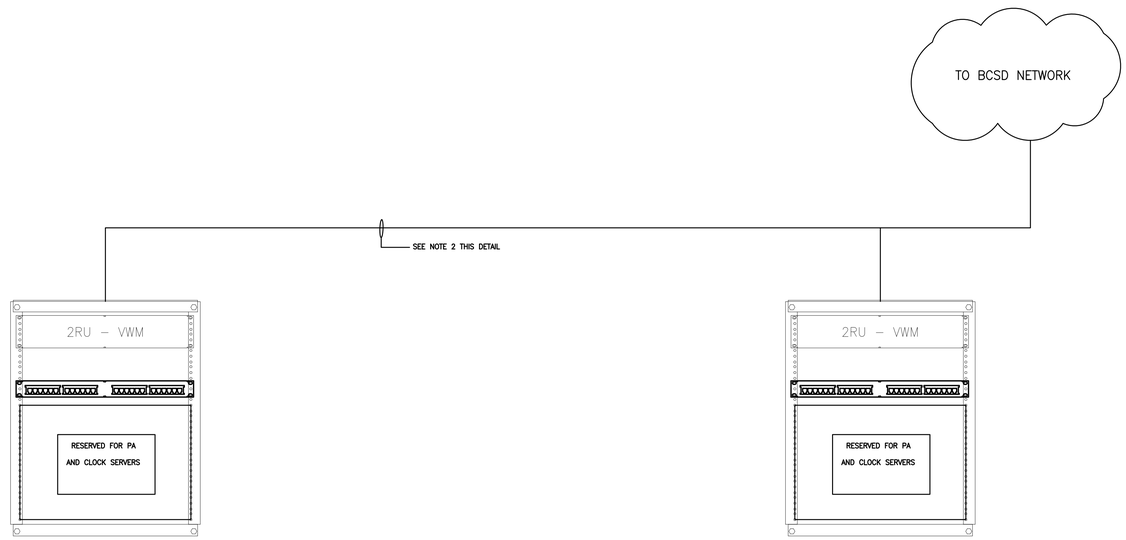


1 GROUND FLOOR IDF RACK ELEVATION
SCALE: N.T.S.

2 FIRST FLOOR IDF RACK ELEVATION
SCALE: N.T.S.



SEELY AND GREENVILLE IDF NOTES

1. PRIOR TO BID SUBMISSION, CONTRACTOR SHALL VISIT EACH SITE TO VALIDATE PROJECT APPROACH AND TO VALIDATE RETURNED BID SUBMISSION. CONTRACTOR IS RESPONSIBLE FOR A OOMPLETE, TUNED, TESTED AND BALANCED pa AND CLOCK SYSTEM. CONTRACTOR SHALL VISIT SITE WITH PLANS TO VALIDATE SCOPE OF WORK REQUIRED FROM THEIR END TO FULLY COMPLETE AND EXECUTE SCOPE OF WORK.
2. CONTRACTOR SHALL PROVIDE SIX (6) CATEGORY 6A UTP/COMP FROM EACH IDF TO EACH IDF WITHIN BOTH SCHOOLS. CONTRACTOR SHALL PROVIDE CLEAN, OBSTRUCTION FREE PATHWAY BETWEEN EACH IDF FOR BOTH TIE CABLE PLANT AS WELL AS NEW CABLE PLANT TO SUPPORT THE END CLOCK AND SPEAKER DEVICES. CONTRACTOR OWNS ALL NEW CORES, SLEEVES, CONDUIT, BACKBOXES, JUNCTION BOXES, VERTICAL AND HORIZONTAL PENETRATIONS WITH SLEEVES AND REQUIRED INFRASTRUCTURE SUPPORT FROM POINT TO POINT FOR EACH CABLE INSTALLE FOR THE PROJECT.
3. THE BASIS OF THE DESIGN FOR THE PROJECT WILL BE TO PROVIDE NEW WALL MOUNTED 12 RACK UNIT (RU), MIDDLE ATLANTIC MODEL DWR-12-17PD OR EQUAL, WITHIN EACH EXISITNG IDF ROOM TO HOUSE THE NEW PA AND CLOCK SYSTEM WIRING. PROVIDE HORIZONTAL POWER STRIP WITH A MINIMUM OF 12 NEMA 5-20 PLUGS
4. NEW RACK WILL CONTAIN THE NEW CATEGORY 6 PATCH PANELS AS WELL AS THE HORIZONTAL WIRE MANAGERS.
5. VALIDATE LOCATION OF RACK WITH DISTRICT STAFF AND NETWORKING TEAM PRIOR TO AFFIXING TO WALL. DO NOT INSTALL ANY RACKS UNTIL FINAL LOCATION IS REVIEWED AND APPROVED.

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20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
CLOCK RISER DIAGRAM & DETAILS

DATE	ISSUED TO
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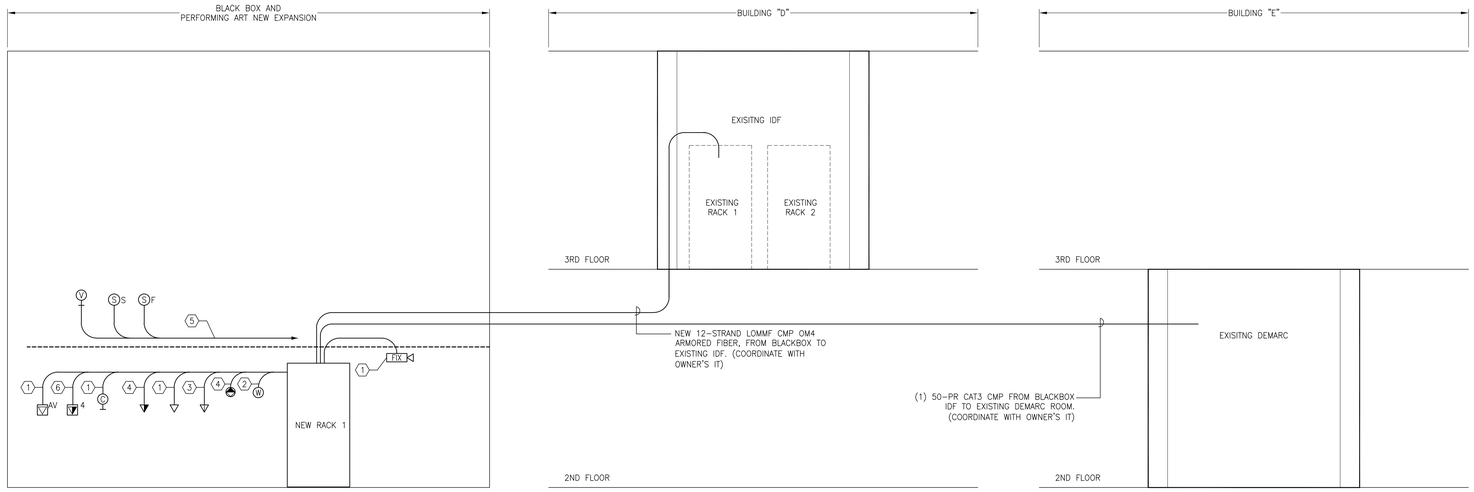
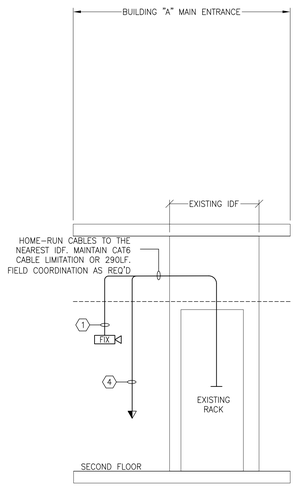


1 **SCHEMATIC CABLE DIAGRAM**
SCALE: NTS

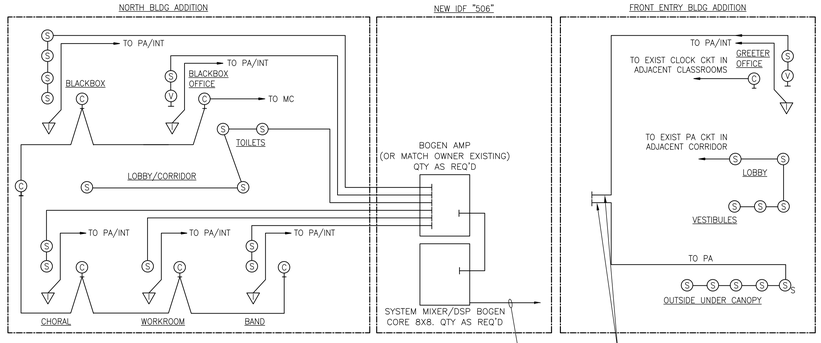


SINGLE LINE KEY NOTES:

1. ONE (1) CAT6 4-PAIR PLENUM-RATED UTP CABLE TO EACH IP SECURITY CAMERA, WALL PHONE & DISPLAY LOCATION. HOMERUN TO IDF ROOM & TERMINATE ON THE APPROPRIATE CAT6 PATCH PANEL FOR DATA CONNECTIONS ON RACK (TYPICAL).
2. TWO (2) CAT6A 4-PAIR PLENUM-RATED UTP CABLE TO EACH WIRELESS ACCESS POINT & WORK STATION LOCATIONS. HOMERUN TO IDF ROOM & TERMINATE ON THE APPROPRIATE CAT6A PATCH PANEL FOR DATA CONNECTIONS ON RACK (TYPICAL).
3. ONE (1) RG6 PLENUM-RATED QUAD SHIELDED CABLE FOR THE CABLE BOX FEED HOME RUN TO THE TAP BOX (LOCATION TO BE DETERMINED). LEAVE 20' SLACK COIL FOR CLIENT TERMINATION ON WALL FIELD . (IF CABLE RUN DISTANCE IS BEYOND 150' RG11 CABLE MUST BE USED).
4. TWO (2) CAT6 4-PAIR PLENUM-RATED UTP CABLE TO EACH WORKSTATION & CEILING OUTET. HOMERUN TO IDF ROOM & TERMINATE ON THE APPROPRIATE CAT6 PATCH PANEL FOR DATA CONNECTIONS ON RACK (TYPICAL).
5. 2-CONDUCTOR SHIELDED PLENUM-RATED CABLE FOR SPEAKER SYSTEMS. SEE DETAIL 2 ON T-200 FOR RISER DIAGRAM. QTY AS REQUIRED (TYPICAL)
6. FOUR (4) CAT6 4-PAIR PLENUM-RATED UTP CABLE TO EACH FLOOR BOX OUTET. HOMERUN TO IDF ROOM & TERMINATE ON THE APPROPRIATE CAT6 PATCH PANEL FOR DATA CONNECTIONS ON RACK (TYPICAL).

SINGLE LINE NOTES:

1. ALL PENETRATIONS OF ANY NEWLY INSTALLED OR EXISTING SLEEVE MUST BE RESEALED AND FIRE STOPPED.
2. SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS AND WALLS CREATED BY OR MADE ON THE BEHALF OF THE CONTRACTOR SO THAT THE ORIGINAL FIRE RATING OF THE FLOOR OR WALL IS MAINTAINED AS REQUIRED BY ARTICLE 300-21 OF THE NATIONAL ELECTRIC CODE.
3. USE SEALANT MATERIAL THAT HAS PASSED FIRE EXPOSURE TESTING IN ACCORDANCE WITH STANDARD TIME-TEMPERATURE CURVE IN THE STANDARD, UL, ASTM E 119, AND NFPA 251 AND THE HOSE STREAM TEST IN ACCORDANCE WITH UL 10B.
5. REFER TO FLOOR PLAN FOR QUANTITIES OF EACH OUTLET TYPE.

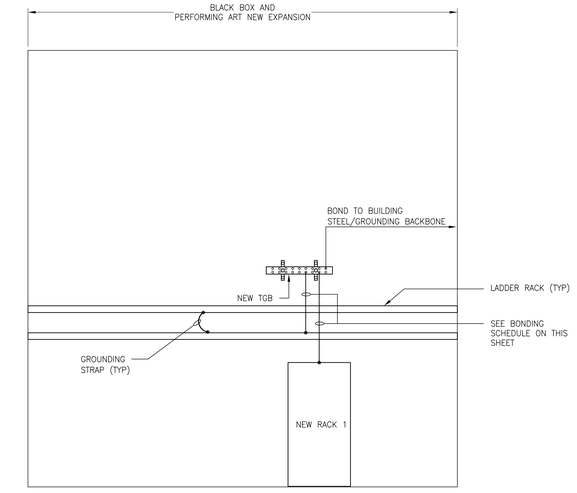


2 **PUBLIC ADDRESS/INTERCOM/CLOCK RISER DIAGRAM**
SCALE: NTS

SECURITY CABLE LEGEND			
SYMBOL	DESCRIPTION		DEVICE
A-COMPOSITE CABLE (PLENUM)	A1	3 TWISTED PAIR #22AWG SHIELDED - CARD READER	CR
	A2	2-CONDUCTOR #22AWG UNSHIELDED - DOOR CONTACT(S)	DC
	A3	4-CONDUCTOR #22AWG UNSHIELDED - REX ; MOTION DETECTOR / PUSH BUTTON	RX
	A4	4-CONDUCTOR #18AWG UNSHIELDED - ELEC LOCKSET / ELEC STRIKE / MAGNETIC LOCK	EL ES ML
B	3 TWISTED PAIR #22AWG SHIELDED - CARD READER		CR
C	2C #18AWG TW, SH / STATUS - CONTROL; DOOR CONTACT(S) / DURESS BUTTON		DC DB
D	4C #18AWG TW, SH - CONTROL; MOTION DETECTOR / GLASS BREAK / LOCAL ALARM / KEYSWITCH		MD GB LA KS
E	CAT6 CABLE UTP - CAMERA / CONTROLLER PANELS / INTERCOM STATIONS		CAM ACP

SECURITY NOTES:

1. 1. REFER TO FLOOR PLANS FOR EXACT QUANTITIES AND LOCATIONS OF DEVICES.
2. ALL 4PR CATEGORY CABLE TERMINATIONS SHALL BE T568B.
3. ALL PENETRATIONS OF FIRE-RATED BARRIERS SHALL BE FIRE-STOPPED AFTER CABLE INSTALLATION.
4. LOCK TYPE TBD LK
5. REQUEST TO EXIT TYPE TBD RX



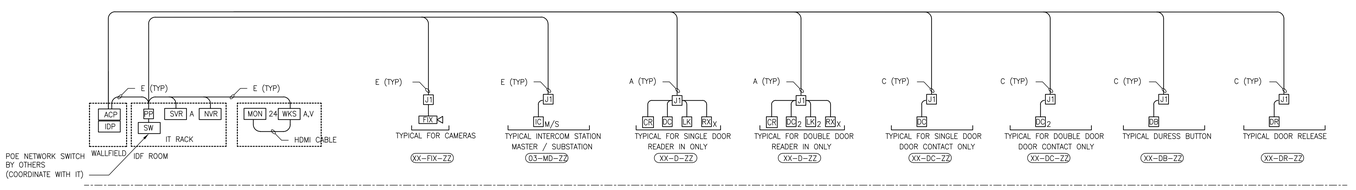
3 **SCHEMATIC GROUNDING/BONDING DIAGRAM**
SCALE: NTS

GROUNDING NOTES:

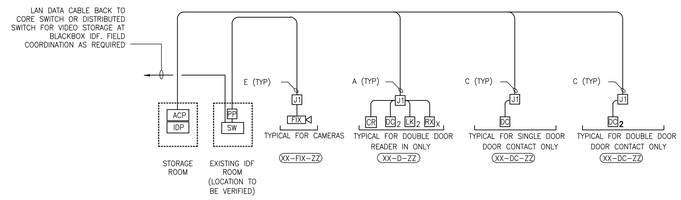
1. REFER TO COVER SHEET FOR GENERAL GROUNDING & BONDING NOTES.
2. ALL RACKS, CABINETS, LADDER RACK, CONDUITS, CABLE TRAY, MECHANICAL PATHWAYS & ARMORED CABLE SHEATHS SHALL BE PROPERLY BONDED TO THE TELECOMMUNICATIONS GROUNDING BUS BAR. BONDING SHALL BE DONE BY THE CONTRACTOR INSTALLING THE EQUIPMENT/COMPONENTS
3. TELECOMMUNICATIONS BONDING CONDUCTOR TO SLEEVES, CONDUITS & EZ-PATH INSIDE IDF/BDF- QUANTITY AS REQUIRED. SIZE PER BONDING CONDUCTOR SIZING SCHEDULE (TYPICAL) (BY IT CONTRACTOR)
4. PROVIDE BONDING/JUMPER FOR ALL LADDER RACK T-SECTIONS, CROSSES, AND CORNERS - BY INSTALLING CONTRACTOR.
5. GROUNDING/BONDING PER REGULATORY REFERENCES:
   - ** TIA-942 TELECOM INFRASTRUCTURE STANDARD FOR DATA CENTERS
   - ** ANSI J-STD-607-C GENERIC TELECOMMUNICATIONS BONDING AND GROUNDING (EARTHING) FOR CUSTOMER PREMISES
   - ** TIA/EIA-606 ADMINISTRATION STANDARD FOR THE TELECOMMUNICATIONS
   - ** IEEE STD 1100 IEEE RECOMMEND PRACTICE FOR POWERING AND GROUNDING ELECTRONIC EQUIPMENT
   - ** NFPA-70 NATIONAL ELECTRIC CODE (NEC)

GROUNDING & BONDING CONDUCTOR SIZING	
CONDUCTOR LENGTH (FEET)	SIZE (AWG)
LESS THAN 13	#6 AWG
14 TO 20 FEET	#4 AWG
21 - 26 FEET	#3 AWG
27 - 33 FEET	#2 AWG
34 - 41 FEET	#1 AWG
42 - 52 FEET	#1/0 AWG
43 - 66 FEET	#2/0 AWG
GREATER THAN 66 FEET	##/0 AWG***

*** SIZING BONDING CONDUCTOR FOR DISTANCE GREATER THAN 66 FEET SHOULD BE CALCULATED BY THE ELECTRICAL ENGINEER & CONTRACTOR FOR SIZE THAT MEETS THE REQUIREMENTS OF THE APPLICABLE ELECTRICAL CODE FOR THE SITE. STANDARD SUCH AS ANSI/TIA 607-C, ANSI/NECA/BICSI-607 PROVIDE ADDITIONAL GUIDANCE FOR SPECIFIC BONDING CONDUCTOR.



4 **SECURITY SCHEMATIC DIAGRAM - BLACKBOX BUILDING**
SCALE: NTS



5 **SECURITY SCHEMATIC DIAGRAM - BUILDING "A" MAIN ENTRANCE**
SCALE: NTS

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

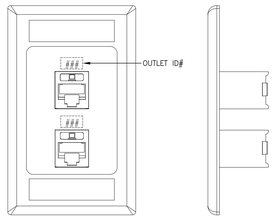
PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS AND SITE WORK
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
CLOCK RISER DIAGRAM & DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS T203
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

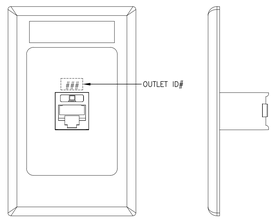
PLOT DATE: December 05, 2024 - 9:22am
FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS T200-.dwg



▽XX STANDARD 2-PORT WALL-MOUNT OUTLET

1. F&I TWO (2) 4-PAIR UTP PLENUM-RATED CABLES TERMINATE ON 8-PIN MODULAR JACKS AT WORKSTATION.
2. TERMINATE CABLES WITH TIA/EIA T568B PINNING.
3. TERMINATE DATA CABLE IN TELECOM ROOM (IDF) ON PATCH PANELS.
4. PROVIDE PRINTED LABELS. HANDWRITTEN LABELS ARE UNACCEPTABLE.
5. WHITE DATA JACK "OR MATCHING ELECTRICAL OUTLET" SHALL BE INSTALLED AT WORKSTATION AND OFFICE SPACES.
6. "XX" INDICATES NUMBER OF PORTS/CABLES

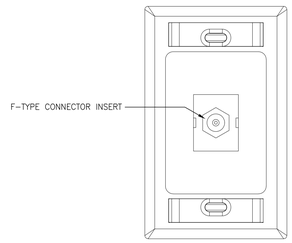
1 2-PORT STANDARD FACEPLATE



▽XX ▼XX STANDARD 1-PORT WALL MOUNT OUTLET

1. F&I ONE (1) 4-PAIR UTP PLENUM-RATED CABLE TERMINATE ON 8-PIN MODULAR JACKS AT WORKSTATION.
2. TERMINATE CABLES WITH TIA/EIA T568B PINNING.
3. TERMINATE CABLE IN TELECOM ROOM (IDF) ON PATCH PANEL.
4. PROVIDE PRINTED LABELS. HANDWRITTEN LABELS ARE UNACCEPTABLE.
5. WHITE DATA JACK "OR MATCHING ELECTRICAL OUTLET" SHALL BE INSTALLED AT WALL STATION.
6. "XX" INDICATES NUMBER OF PORT/CABLE

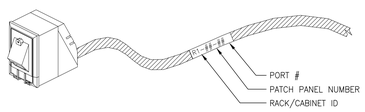
2 1-PORT STANDARD FACEPLATE



TV X STANDARD TV OUTLET

1. F&I ONE (1) QUAD SHIELDED PLENUM-RATED COAXIAL CABLE TERMINATE ON F-TYPE CONNECTOR.
1. TERMINATE CABLE ON F-TYPE CONNECTOR INSIDE IDF WITH 20 FEET LONG SLACK FUTURE RELOCATION BY PROVIDER.
2. PROVIDE PRINTED LABELS. HANDWRITTEN LABELS ARE UNACCEPTABLE.
3. WHITE DATA JACK "OR MATCHING ELECTRICAL OUTLET" SHALL BE INSTALLED AT WALL STATION.
4. "XX" INDICATES NUMBER OF PORT/CABLE

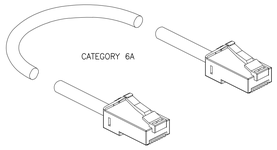
3 CATV FACEPLATE



NOTES:

1. PROVIDE COMPUTER GENERATED LABEL 6 INCHES FROM TERMINATION AT BOTH ENDS. HANDWRITTEN LABELS SHALL BE CONSIDERED UNACCEPTABLE.
2. MAINTAIN PAIR TWIST UP TO FINAL TERMINATION POINT. CABLE JACKET SHALL EXTEND TO WITHIN ½" OF TERMINATION POINT.
3. JACKS AND OTHER TERMINATION DEVICES SHALL BE INSTALLED INCLUSIVE OF ALL HARDWARE INCLUDING, BUT NOT LIMITED TO DUST CAPS, ICONS, ETC.

4 COPPER CABLE LABELING



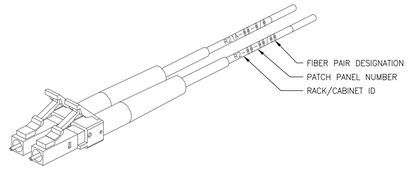
FURNISH & INSTALL FOLLOWING CORDS:

COLOR	LENGTH 5'	7'	10'	15'	
BLUE					} QUANTITY
WHITE					

NOTES.

1. CONTRACTOR SHALL CONFIRM ALL FINAL QUANTITIES, COLOR AND LENGTHS WITH CLIENT PRIOR TO PURCHASING ANY PATCHING.
2. ALL CORDS SHALL BE CATEGORY 6A CORDS, WITH SNAGLESS PLUGS.
3. PROVIDE 7' PATCH CORD AT WORKSTATION, OFFICE AND PRINTER. LENGTH AS REQUIRED INSIDE IDF AND SERVER ROOM. QTY AS REQUIRED

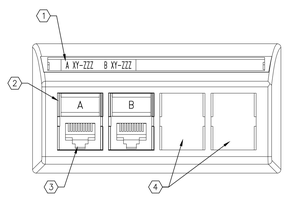
5 PATCH CORD LABELING & QUANTITY



NOTES:

1. PROVIDE COMPUTER GENERATED LABEL 6 INCHES FROM TERMINATION AT BOTH ENDS. HANDWRITTEN LABELS SHALL BE CONSIDERED UNACCEPTABLE.
2. JACKS AND OTHER TERMINATION DEVICES SHALL BE INSTALLED INCLUSIVE OF ALL HARDWARE INCLUDING, BUT NOT LIMITED TO DUST CAPS, ICONS, ETC.

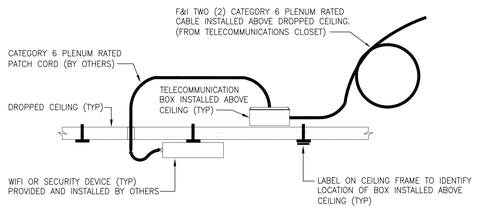
6 FIBER CABLE LABELING



KEY NOTES:

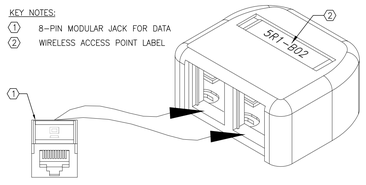
1. OUTLET ID.
2. PORT DESIGNATION TAB.
3. 8-PIN MODULAR.
4. BLANK INSERT.

7 2-PORT DATA/VOICE MOUNTED IN FURNITURE



Ⓦ OR

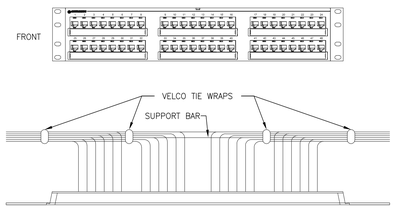
8 TYPICAL WAP'S & SECURITY CABLE CEILING INSTALLATION



Ⓦ WIRELESS ACCESS POINT (WAP) OUTLET

1. F&I TWO (2) 4-PAIR CAT6A UTP PLENUM-RATED CABLE TERMINATED ON AN 8-PIN MODULAR JACK.
2. TERMINATE CABLE WITH TIA/EIA T568B PINNING.
3. TERMINATE CABLE ON DEDICATED WALLPHONE/WIRELESS ACCESS POINT PATCH PANEL.
4. PROVIDE COMPUTER GENERATED LABELS WITH 1/4" HIGH BLACK TEXT. HANDWRITTEN LABELS ARE UNACCEPTABLE.
5. PROVIDE TEMPORARY, REMOVABLE LABEL ON CEILING TILE/GRID TO IDENTIFYING OUTLET LOCATION WHEN LOCATED ABOVE HUNG CEILING.
6. INSTALL OWNER'S MOUNTING BRACKETS.

9 TYPICAL ACCESS POINT OUTLET DETAIL



STATIONS CABLING IN TELECOM ROOM (IDF):

1. UTILIZE ALL SUPPORT DEVICES PROVIDED WITH PATCH CABLE.
2. UTILIZE VELCO TIE WRAPS TO SECURE WIRING TO SUPPORT BAR. PLASTIC CABLE TIES WILL NOT BE ACCEPTED.
3. INSTALL WHITE NUMBERED ICONS AS SHOWN ON PATCH PANEL. NUMBERED ICONS COINCIDE WITH ICONS ON FACEPLATES.
4. NEW PATCH PANELS SHALL BE CATEGORY 6A WITH 8-PORT MODULES.

10 FLAT PATCH PANEL LABELING

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
REMSENBURG CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION INTERIOR
RENOVATIONS & EXISTING CAFETERIA CONVERSION
20 FARM TO MARKET ROAD BREWSTER, NY 10509

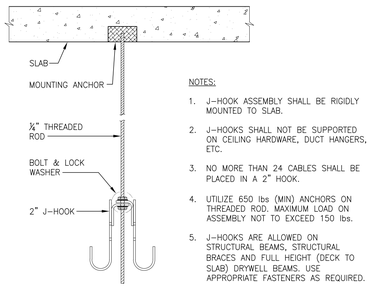
DRAWING TITLE
COMMUNICATION DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
06-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS T300
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 9:23am

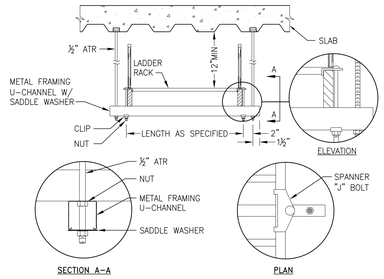
FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS T300-.dwg



NOTES:

1. J-HOOK ASSEMBLY SHALL BE RIGIDLY MOUNTED TO SLAB.
2. J-HOOKS SHALL NOT BE SUPPORTED ON CEILING HARDWARE, DUCT HANGERS, ETC.
3. NO MORE THAN 24 CABLES SHALL BE PLACED IN A 2" HOOK.
4. UTILIZE 650 lbs (MIN) ANCHORS ON THREADED ROD. MAXIMUM LOAD ON ASSEMBLY NOT TO EXCEED 150 lbs.
5. J-HOOKS ARE ALLOWED ON STRUCTURAL BEAMS, STRUCTURAL BRACES AND FULL HEIGHT (DECK TO SLAB) DRYWELL BEAMS. USE APPROPRIATE FASTENERS AS REQUIRED.
6. UTILIZE ERICO CABLECAT OR EQUAL J-HOOKS.

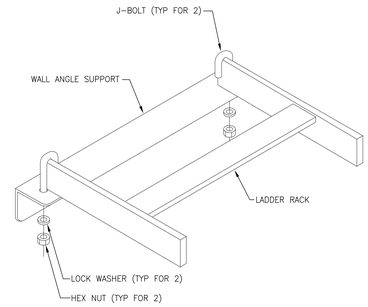
1 J-HOOK



NOTES:

1. PROVIDE CONCRETE ANCHORS SIMILAR TO HILTI-KNICK BOLT OR SERIES HIDI OR APPROVED EQUAL. INSTALLATION SHALL BE IN ACCORDANCE WITH MFR RECOMMENDATIONS.

2 LADDER RACK HANGING

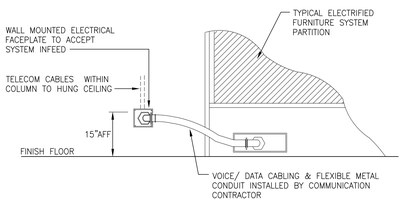


3 LADDER RACK WALL BRACKET

4 LADDER RACK TEE CONNECTION

5 LADDER RACK RETAINING BAR

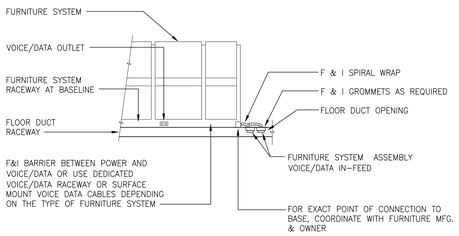
6 LADDER RACK TERMINATION



NOTES:

1. THIS IS A TYPICAL FURNITURE SYSTEM DETAIL AND IS INTENDED TO INDICATE GENERAL REQUIREMENTS ONLY. REFER TO MANUFACTURER'S INSTALLATION DETAILS FOR SPECIFIC FURNITURE SYSTEM INFORMATION.
2. WALL PLATE FINISHES PER OWNER.

7 CABLE TO FURNITURE BASE WALL ENTRY



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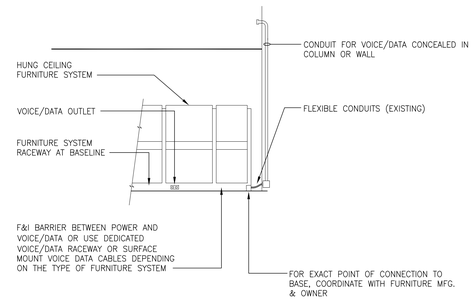
2. WALL PLATE FINISHES PER OWNER.

8 CABLE TO FURNITURE BASE IN FLOOR



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2. WALL PLATE FINISHES PER OWNER.

9 CABLE TO FURNITURE BASE WALL/COLUMN

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
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C.V. STARR INTERMEDIATE SCHOOL
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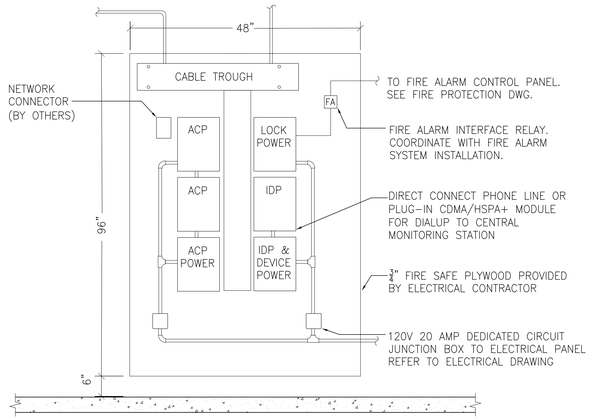
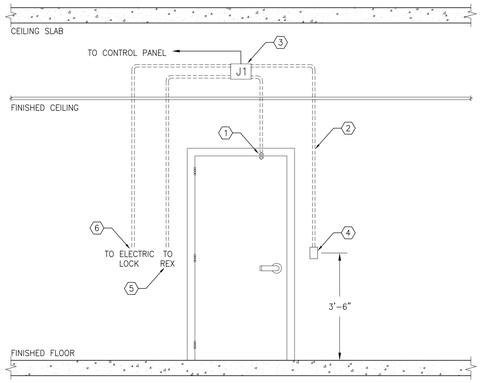
SHEET SIZE 30"x42"
DRAWING NO. CVS T301
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 9:24am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS T300-.dwg

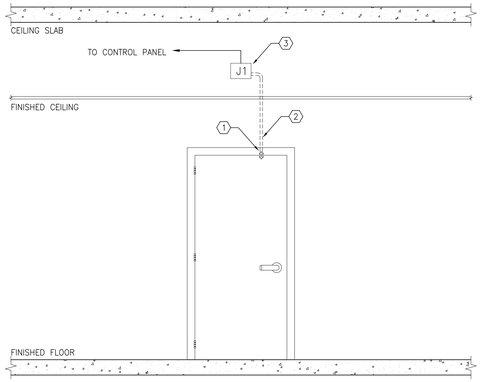


01 ACCESS CONTROL/INTRUSION DETECTION WALLFIELD ELEVATION VIEW
SCALE: NTS



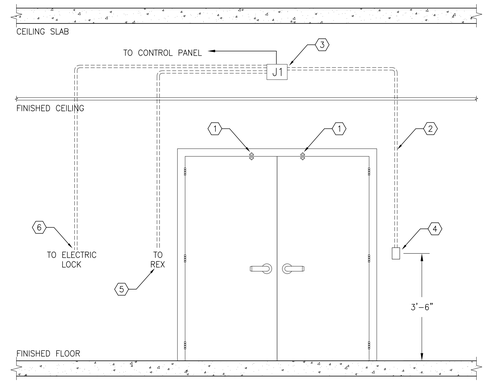
NOTES:
1. DOOR CONTACT
2. STUB 3/4" CONDUIT WITH DRAG LINE (TYPICAL)
3. PROVIDE 4" x 4" x 2-1/8" DEEP JUNCTION BOX WITH COVER MOUNTED ABOVE DOOR, ABOVE ACCESSIBLE CEILING.
4. CARD READER (UNPROTECTED SIDE)
5. REQUEST TO EXIT (PROTECTED SIDE)
6. ELECTRIC LOCK

02 SINGLE DOOR – ELECTRIC LOCK (TBD) CARD READER IN
SCALE: NTS



NOTES:
1. DOOR CONTACT
2. STUB 3/4" CONDUIT WITH DRAG LINE (TYPICAL)
3. PROVIDE 4" x 4" x 2-1/8" DEEP JUNCTION BOX WITH COVER MOUNTED ABOVE DOOR, ABOVE FINISHED CEILING.

03 SINGLE DOOR DOOR CONTACT
SCALE: NTS



NOTES:
1. DOOR CONTACT
2. STUB 3/4" CONDUIT WITH DRAG LINE (TYPICAL)
3. PROVIDE 4" x 4" x 2-1/8" DEEP JUNCTION BOX WITH COVER MOUNTED ABOVE DOOR, ABOVE ACCESSIBLE CEILING.
4. CARD READER (UNPROTECTED SIDE)
5. REQUEST TO EXIT (PROTECTED SIDE)
6. ELECTRIC LOCK

04 DOUBLE DOOR – ELECTRIC LOCK (TBD) CARD READER IN
SCALE: NTS

NOTES:
1. DOOR CONTACT
2. STUB 3/4" CONDUIT WITH DRAG LINE (TYPICAL)
3. PROVIDE 4" x 4" x 2-1/8" DEEP JUNCTION BOX WITH COVER MOUNTED ABOVE DOOR, ABOVE FINISHED CEILING.

05 DOUBLE DOOR DOOR CONTACT
SCALE: NTS

NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. FINAL MOUNTING LOCATIONS TO BE COORDINATED WITH ARCHITECT'S INTERIOR ELEVATIONS
3. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

06 DURESS BUTTON UNDER DESK MOUNT
SCALE: NTS

NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. FINAL MOUNTING LOCATIONS TO BE COORDINATED WITH ARCHITECT'S INTERIOR ELEVATIONS
3. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

07 INTERCOM MASTER DESKTOP
SCALE: NTS

NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. FINAL MOUNTING LOCATIONS TO BE COORDINATED WITH ARCHITECT'S INTERIOR ELEVATIONS
3. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

08 MULTI-DOOR RELEASE BUTTON(S) DESK MOUNT
SCALE: NTS

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03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. CVS T302
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 9:24am

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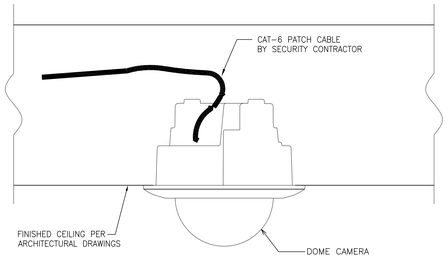
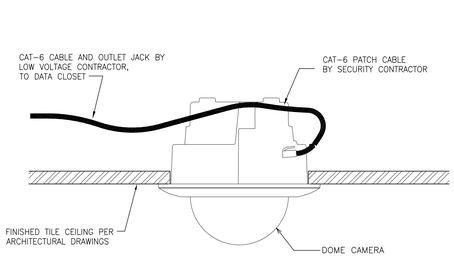


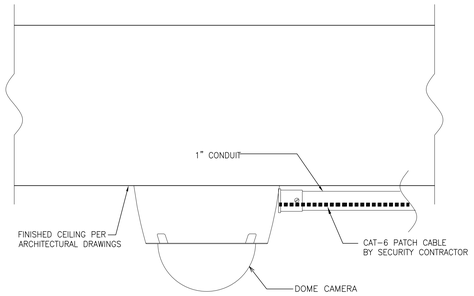
NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

1 IN-CEILING DOME CAMERA INTERIOR CEILING FLUSH MOUNT
SCALE: N.T.S.



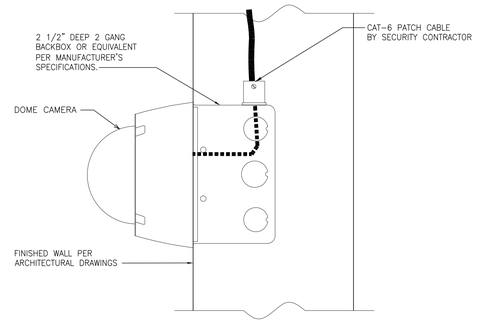
NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

2 IN-CEILING DOME CAMERA INTERIOR TILE CEILING FLUSH MOUNT
SCALE: N.T.S.



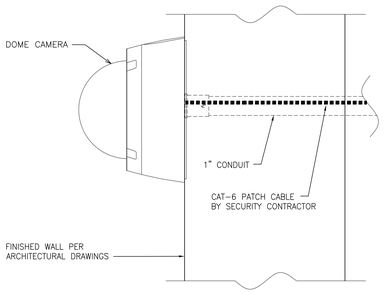
NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2 SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

3 DOME CAMERA INTERIOR CEILING SURFACE MOUNT
SCALE: N.T.S.



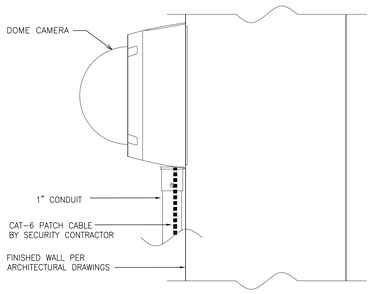
NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

4 DOME CAMERA INTERIOR WALL SURFACE MOUNT
SCALE: N.T.S.



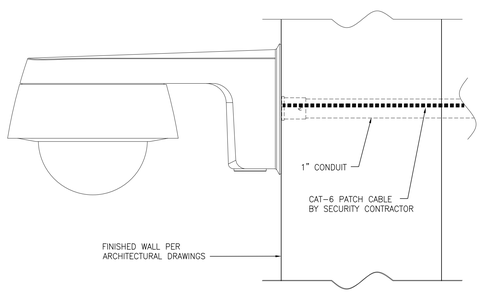
NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

5 DOME CAMERA EXTERIOR WALL SURFACE MOUNT
SCALE: N.T.S.



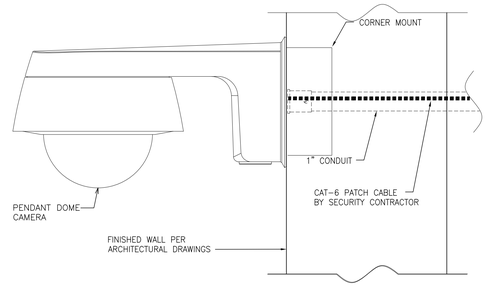
NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

6 DOME CAMERA EXTERIOR WALL SURFACE MOUNT
SCALE: N.T.S.



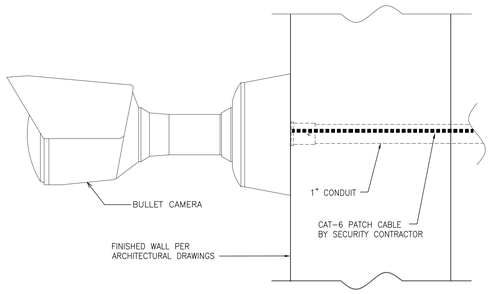
NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

7 PENDANT DOME CAMERA EXTERIOR WALL MOUNT
SCALE: N.T.S.



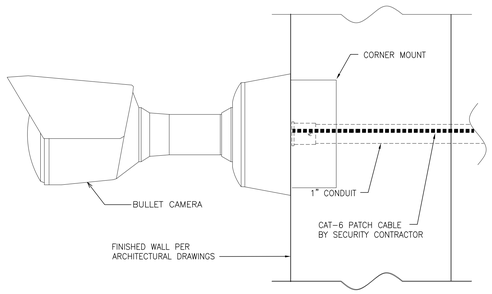
NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

8 PENDANT DOME CAMERA EXTERIOR WALL MOUNT
SCALE: N.T.S.



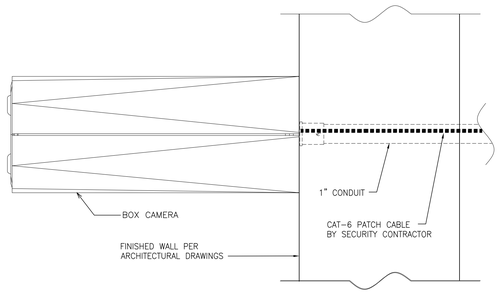
NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

9 BULLET CAMERA EXTERIOR WALL MOUNT
SCALE: N.T.S.



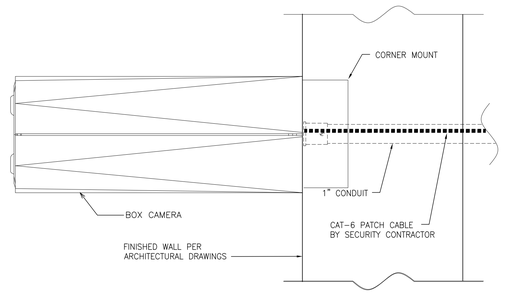
NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

10 BULLET CAMERA EXTERIOR WALL MOUNT
SCALE: N.T.S.



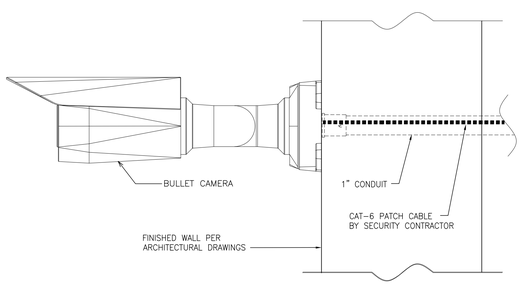
NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

11 BOX CAMERA EXTERIOR WALL MOUNT
SCALE: N.T.S.



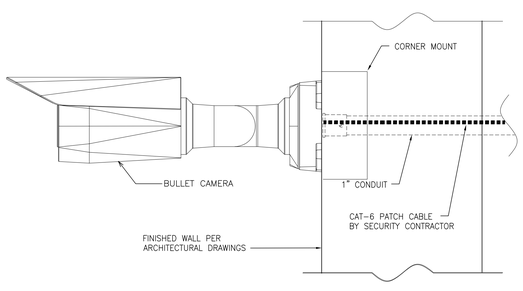
NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

12 BOX CAMERA EXTERIOR WALL MOUNT
SCALE: N.T.S.



NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

13 BULLET CAMERA EXTERIOR WALL MOUNT
SCALE: N.T.S.



NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

14 BULLET CAMERA EXTERIOR WALL MOUNT
SCALE: N.T.S.

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LICENSE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

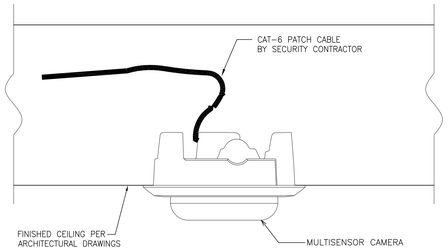
PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR
RENOVATIONS & EXISTING CAFETERIA CONVERSION
20 FARM TO MARKET ROAD BREWSTER, NY 10509

DRAWING TITLE
SECURITY DETAILS

DATE	ISSUED TO
12-09-2024	BID
03-05-2024	SED SUBMISSION
11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

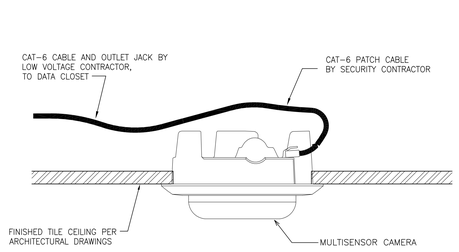
SHEET SIZE 30"x42"
DRAWING NO. CVS T303
SCALE AS NOTED
DRAWN BY
FILE NO. 23505.02

PLOT DATE: December 05, 2024 - 9:24am
FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS T300-.dwg



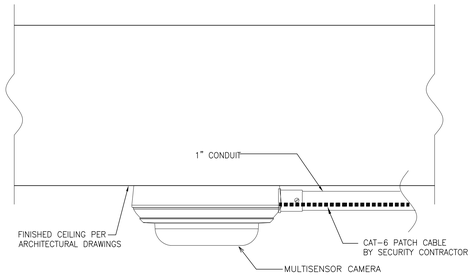
NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

1 MULTISENSOR CAMERA INTERIOR CEILING FLUSH MOUNT
SCALE: N.T.S.



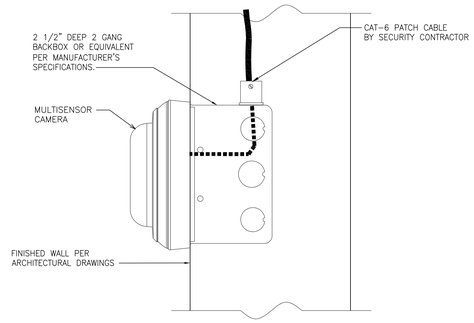
NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

2 MULTISENSOR CAMERA INTERIOR TILE CEILING FLUSH MOUNT
SCALE: N.T.S.



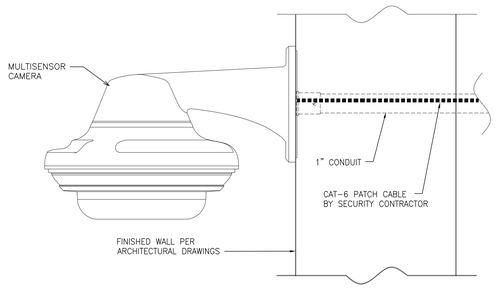
NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

3 MULTISENSOR CAMERA INTERIOR CEILING SURFACE MOUNT
SCALE: N.T.S.



NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

4 MULTISENSOR CAMERA INTERIOR WALL SURFACE MOUNT
SCALE: N.T.S.



NOTES:
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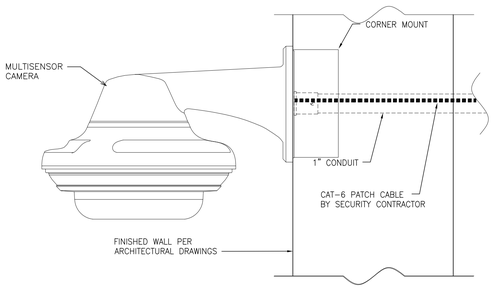
2. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

5 MULTISENSOR CAMERA WALL MOUNT
SCALE: N.T.S.



NOTES:
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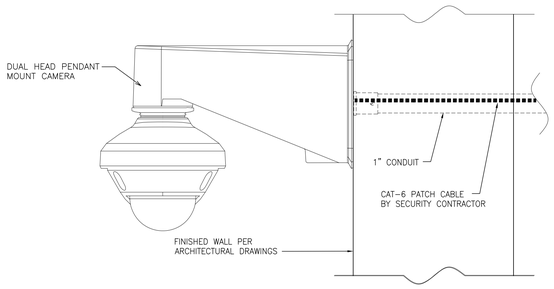
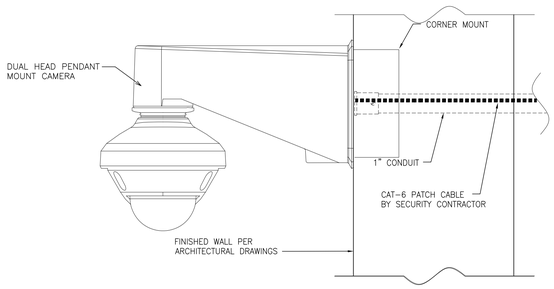
6 MULTISENSOR CAMERA WALL MOUNT
SCALE: N.T.S.



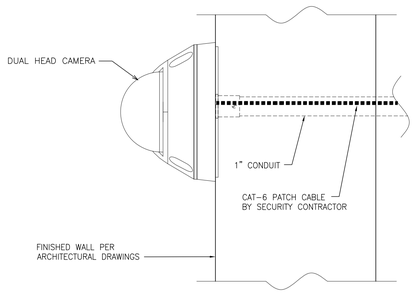
NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

7 DUAL HEAD CAMERA WALL MOUNT
SCALE: N.T.S.



NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

8 DUAL HEAD CAMERA WALL MOUNT
SCALE: N.T.S.



NOTES:
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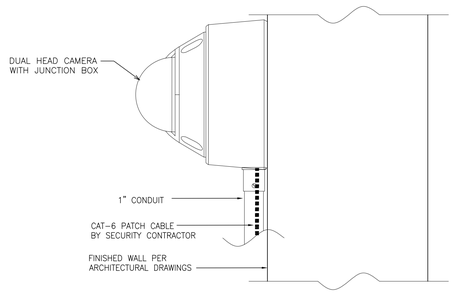
2. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

9 DUAL HEAD CAMERA WALL SURFACE MOUNT
SCALE: N.T.S.



NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

10 DUAL HEAD CAMERA WALL SURFACE MOUNT
SCALE: N.T.S.

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S.E.D. CONTROL NUMBER:
48-06-01-06-0-001-026

PROJECT TITLE
RENOVATIONS TO
BREWSTER CENTRAL SCHOOL DISTRICT
C.V. STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR
RENOVATIONS & EXISTING CAFETERIA
20 FARM TO MARKET ROAD BREWSTER, NY 10509

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SECURITY DETAILS

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11-29-2023	D.D. SUBMISSION
08-31-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: CVS T304
SCALE: AS NOTED
DRAWN BY:
FILE NO.: 23505.02

PLOT DATE: December 05, 2024 - 9:25am

FILE: I:\23505.02 CVS Cafetorium & Existing Cafeteria Conversion\DRAWINGS\CURRENT\1-F&D\CVS T300-.dwg