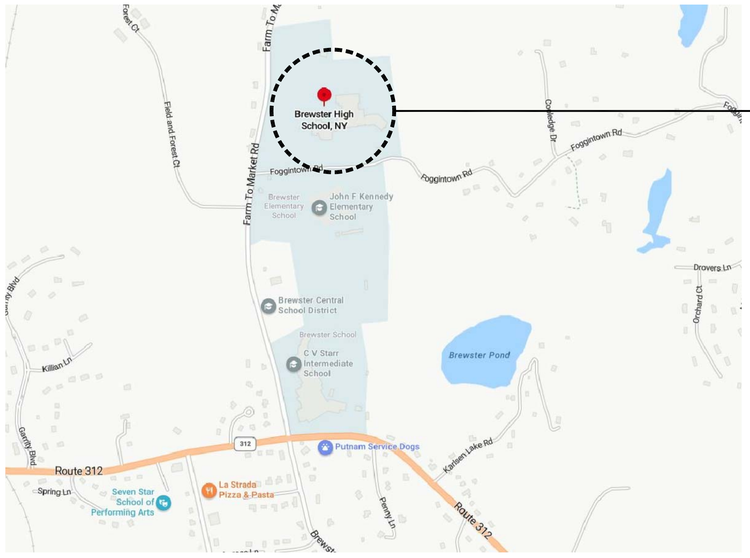
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK

SED PROJECT NUMBER:

BREWSTER HIGH SCHOOL: 48-06-01-06-0-004-018



FULLER D'ANGELO P.C.

ARCHITECTS PLANNERS

45 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL 914.592.4444 FAX 914.592.1717
WWW.FULLERDANGELO.COM

Copyright 2024 All Rights Reserved by FULLER & D'ANGELO P.C.

CONSULTANTS:

STRUCTURAL ENGINEERING:
GROSSFIELD MACRI CONSULTING ENGINEERS, PC
34 SHADBLOW HILL ROAD
RIDGEFIELD, CT 06877
TEL: (203) 431-7700
EMAIL: michael@gmcepc.com

MECHANICAL, PLUMBING AND ELECTRICAL:
LANDMARK FACILITIES GROUP, INC (LFG)
252 EAST AVENUE
NORWALK, CT 06855
TEL: (203) 866-4626
EMAIL: www.lfginc.com

CIVIL ENGINEER:
INSITE ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE
3 GARRETT PLACE
CARMEL, NY 10512
TEL: (845) 225-9690
EMAIL: www.insite-eng.com

ENVIRONMENTAL CONSULTANTS
ENVIROSCIENCE CONSULTANTS
37 MOORE AVENUE
MT. KISCO, N.Y. 10549

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. T-1
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.01

PLOT DATE: April 18, 2024 - 10:39am

FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\T-1.dwg

ABBREVIATIONS

&	AND	FTG	FOOTING	P	PUMP(IN-LINE OR BASE MOUNTED)
ACU	AIR CONDITIONING UNIT (S)	FOB	FLAT ON BOTTOM	PART	PARTIAL
ACM	ASBESTOS CONTAINING MATERIAL	FOG	FUEL OIL GAUGE	P-CONTR	PLUMBING CONTRACTOR
ACT	ACOUSTICAL CEILING TILE	FOR	FUEL OIL RETURN	PB	PANEL BOX
ACW	ASBESTOS CONTAINING WASTE	FOS	FUEL OIL SUPPLY	PCC	POWER CHARGING CABINET
AD	ACCESS DOOR	FOT	FLAT ON TOP	PD	PRESSURE DROP
ADJ	ADJACENT	FP	FIRE PROOF	PH	PENTHOUSE
AFF	ABOVE FINISH FLOOR	FPM	FEET PER MINUTE	PLT	PLATE
AHU	AIR HANDLER UNIT	FPS	FEET PER SECOND	PLUMB	PLUMBING
ALUM	ALUMINUM	FRP	FIBERGLASS REINFORCED POLYSTYRENE	PLYWOOD	PLYWOOD
ALT	ALTERNATE	FT	FOOT OR FEET	PNL	PANEL
AMB	AMBIENT			PNT	PAINT
AMP	AMPERE	GA	GAUGE	PREFAB	PREFABRICATED
APD	AIR PRESSURE DROP	GAL	GALLONS	PRESS	PRESSURE
APPROX	APPROXIMATE	GALV	GALVANIZED	PRSC	PROJECTION SCREEN
A.R.	AREA OF REFUGE	G.C.	GENERAL CONSTRUCTION	PSI	POUNDS PER SQUARE INCH
ARCH	ARCHITECTURAL	GEN	GENERAL	PT	PRESSURE TREATED
AVG	AVERAGE	GL	GLASS		
BDD	BACK DRAFT DAMPER	GPH	GALLONS PER HOUR	QT	QUARRY TILE
BFW	BOILER FEED WATER	GPM	GALLONS PER MINUTE	QTY	QUANTITY
BHP	BRAKE HORSE POWER	GR	GRAINS		
BITUM	BITUMINOUS	G.V.	GAS VALVE	R	RISER/RADIUS
BLDG	BUILDING	GYP. BD	GYPSUM BOARD	RA	RETURN AIR
BLK	BLOCK	GYP. FB	GYPSUM FIBERBOARD	RAD	RADIATION
BTUH	BRITISH THERMAL UNITS/HOUR	H	HEIGHT	RD	ROOF DRAIN
BU	BUILT UP	H.B.	HOSE BIB	REF	ROOF EXHAUST FAN
BUR	BUILT UP ROOFING	H-CONTR	HEATING, VENTING, AND AIR CONDITIONING CONTRACTOR	REINF	REINFORCED
		H.C.	HOLLOW CORE	REQ'D	REQUIRED
C	COMMON	H/C	HEATING/COOLING	RH	RELATIVE HUMIDITY
CV	COEFFICIENT, VALVE FLOW	HD	HEAD	RO	ROUGH OPENING
CB	CATCH BASIN	HEAT.CL.	HEATING COIL	RM	ROOM
C.C.	CEILING COIL	HG	REFRIGERANT HOT GAS	RPM	REVOLUTIONS PER MINUTE
CEIL OR CLG	CEILING	H.M.	HOLLOW METAL	RTU	ROOF TOP UNIT
CER/CEG	CEILING EXHAUST REGISTER/ GRILLE	HORIZ	HORIZONTAL	S	SINK
		H.P.	HIGH POINT	SA	SUPPLY AIR
CFM	CUBIC FEET PER MINUTE	HPS	HIGH PRESSURE STEAM	SAN	SANITARY
C.H.	CEILING HEIGHT	H.PWR	HORSE POWER	SCHED	SCHEDULE
CHWR	CHILLED WATER RETURN	HR	HOUR (S)	SD	SMOKE DETECTOR
CHWS	CHILLED WATER SUPPLY	HT	HEAT	S.DMPR	SMOKE DAMPER
C.J.	CONTROL JOINT	HTHW	HIGH TEMPERATURE HOT WATER	SECT	SECTION
CL	CENTER LINE	HTR	HEATER	SF	SQUARE FOOT
CLG WTR	COOLING WATER	HV	HEATING/VENTILATION UNIT	SHT	SHEET
CLOS	CLOSET	H.W.C.	HIGH IMPACT WALL COVERING	SIM	SIMILIAR
CMP	CORRUGATED METAL PIPE	HWR	HOT WATER RETURN	SP	STATIC PRESSURE
C.O.	CLEAN OUT	HWS	HOT WATER SUPPLY	SPEC(S)	SPECIFICATION (S)
COL	COLUMN	HX	HEAT EXCHANGER	SQ	SQUARE
COMPR	COMPRESSOR	HZ	FREQUENCY(CYCLES PER MINUTE)	SQ FT	SQUARE FEET
CONC	CONCRETE			SS	STAINLESS STEEL
COND	CONDENSER	ID	INSIDE DIAMETER	STD	STANDARD
CONST	CONSTRUCTION	IEF	IN-LINE EXHAUST FAN	STL	STEEL
CONT	CONTINUOUS	INT	INTERIOR	STM	STEAM
CONTR	CONTRACTOR	INSUL	INSULATION	STOR	STORAGE
CONV	CONVECTOR	INV	INVERT	STRUCT	STRUCTURAL
CR	CONDENSATE PUMP	IN	INCH	SUCT	SUCTION
CRR/CRG	CEILING RETURN REGISTER/ GRILLE	J.C	JANITOR'S CLOSET	SUSP	SUSPENDED
CRU	COMPUTER ROOM UNIT	JT	JOINT	T	TREAD/TOILET
CSD	CEILING SUPPLY DIFFUSER	J.B	JUNCTION BOX	TCP	TEMPERATURE CONTROL PANEL
CT	CERAMIC TILE			T.D.	TRENCH DRAIN
C.TWR.	COOLING TOWER	KIT	KITCHEN	T.DIFF.	TEMPERATURE DIFFERENCE
CU	CONDENSER UNIT	KW	KILOWATT	TEL	TELEPHONE
CU FT	CUBIC FEET	K.M.H.	KINDERGARTEN MOUNTING HEIGHT	TEMP	TEMPERED
CWR	CONDENSER WATER RETURN			TEMPR.	TEMPERATURE
CWS	CONDENSER WATER SUPPLY			THK	THICK
				T.O.	TRIMMED OPENING
D/DIA	DIAMETER	L	LENGTH	T.O.C.	TOP OF CURB
DB	DRY BULB TEMPERATURE	LAT	LEAVING AIR TEMPERATURE	T.O.P.	TOP OF PARAPET
dB	DECIBEL	LAM	LAMINATE	T.O.S.	TOP OF STEEL
DC	DUST COLLECTOR	LAV	LAVATORY	TSP	TOTAL STATIC PRESSURE
DEG	DEGREE	LBS/#	POUNDS	T.STAT	THERMOSTAT
DEMO	DEMOLITION	L.C.C.	LEAD COATED COPPER	TYP	TYPICAL
D.F.	DRINKING FOUNTAIN	LDR	LEADER	TKBD	TACK BOARD
D.H.	DOUBLE HUNG	LG	LINEAR FEET		
DIM	DIMENSION	LIQ	LIQUID	U	URINAL
DN	DOWN	LL	LIVE LOAD	UH	UNIT HEATER
D.O	REPEAT/DOOR OPENING	LB	LOW POINT	UL	UNDERWRITERS LABORATORY
DP	DEEP	LPS	LOW PRESSURE STEAM	UNFIN	UNFINISHED
DR	DOOR	LRG	LINEAR RETURN GRILLE	UV	UNIT VENTILATOR
DWG	DRAWING	LSG	LINEAR SUPPLY DIFFUSER		
DX	DIRECT EXPANSION	LWT	LEAVING WATER TEMPERATURE	V	VOLT
E	EAST			VAV	VARIABLE AIR VOLUME
EA	EACH	M	MIRROR	V.C.T	VINYL COMPOSITION TILE
EAT	ENTERING AIR TEMPERATURE	MAX	MAXIMUM	VD	VOLUME DAMPER
E-CONTR	ELECTRICAL CONTRACTOR	MAT	MATERIAL	V.D.B	VIDEO DISPLAY BOARD
E-CUSP	EXISTING CUSPIDOR	MBH	BTU PER HOUR (THOUSAND)	VEL	VELOCITY
EDB	ENTERING DRY BULB	MD	MOTORIZED DAMPER	VEST	VESTIBULE
E.D.F.	EXISTING DRINKING FOUNTAIN	MECH	MECHANICAL	V.I.F	VERIFY IN FIELD
EDR	EQUIVALENT DIRECT RADIATION	MFR	MANUFACTURER	VLV	VALVE
E.E.W.	EMERGENCY EGRESS WINDOW	MIN	MINIMUM	VOL	VOLUME
EF	EXHAUST FAN	MISC	MISCELLANEOUS	V.P.	VISION PANEL
EFE	EXISTING FIRE EXTINGUISHER	MO	MASONRY OPENING	V.W.C.	VINYL WALL COVERING
E.H.	EXHAUST HOOD	MPS	MEDIUM PRESSURE STEAM	W	WOMEN/WIDTH/WASHER
EJ	EXPANSION JOINT	MS	MARBLE SADDLE	W/	WITH
EQ	EQUAL	MH	MAN HOLE	WB	WET BULB
ELEC	ELECTRICAL	MTD	MOUNTED	W.C.	WATER CLOSET
EL/ELEV	ELEVATION	MTL	METAL	WD	WOOD
E.M.H.	ELEMENTARY SCHOOL MOUNTING HEIGHT			WEF	WALL EXHAUST FAN
				WER/WEG	WALL EXHAUST REGISTER/GRILLE
ENCL	ENCLOSURE	N	NORTH	'WG'	INCHES OF WATER, GAGE (PRESSURE)
ENTR	ENTRANCE	N/A	NOT APPLICABLE		
EQUIP	EQUIPMENT	NC	NORMALLY CLOSED	WG	WIRE GLASS
ESP	EXTERNAL STATIC PRESSURE	N.I.C	NOT IN CONTRACT	WHBD	WHITE BOARD
ETC	AND SO FORTH	NO (S)	NUMBER(S)	WK	WORK
EVAP	EVAPORATOR	N.OPEN	NORMALLY OPEN	W.I.	WROUGHT IRON
EWT	ENTERING WET BULB TEMPERATURE	N.T.S	NOT TO SCALE	W.P.	WATER PROOF
				WPD	WATER PRESSURE DROP
EXH	EXHAUST			W.R.	WATER RESISTANT
EXH.A	EXHAUST AIR			WRR/WRG	WALL RETURN REGISTER/GRILLE
EXIST	EXISTING			WSR/WSG	WALL SUPPLY REGISTER/GRILLE
EXP	EXPANSION	OA	OUTSIDE AIR	WTG	WALL TRANSFER GRILLE
EXT	EXTERIOR	OC	ON CENTER	WTR	WATER
		OD	OUTSIDE DIAMETER	W.W.F.	WELDED WIRE FABRIC
F	FAHRENHEIT	ODR	OPEN DUCT RETURN	W.W.M.	WELDED WIRE MESH
F.A.I.	FRESH AIR INTAKE	OF	OUTSIDE FACE		
FCU	FAN COIL UNIT	OH	OVERHEAD		
F.D.	FLOOR DRAIN	OPNG	OPENING		
F.DAMP.	FIRE DAMPER	OPP	OPPOSITE		
F.E.	FIRE EXTINGUISHER	OZ	OUNCE		
F.G.	FIBER GLASS				
FIN	FINISH				
FXT	FIXTURE				
FHC	FIRE HOSE CABINET				
FL/FLR	FLOOR				

YARD DRAIN

GRAPHIC LEGEND

CLASSROOM 100 — ROOM NAME & NUMBER

100 — DOOR NUMBER

1 / A / A100 / 2 / 3 — ELEVATION KEY

1 / 4 / 2 / 3 — 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

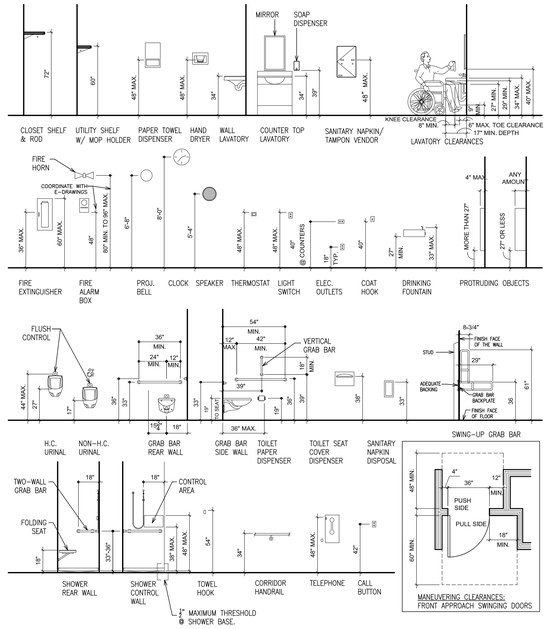
— EXISTING DOOR INDICATES DOOR NUMBER (SEE DOOR SCHEDULE)

— 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



1" MAXIMUM THRESHOLD @ SHOWER BASE.

LIST OF DRAWINGS

GENERAL:

★T1	TITLE SHEET
★G1	LOCATION MAP, ABBREVIATIONS, MATERIALS, GRAPHIC LEGEND, GENERAL NOTES, PROJECT CONTACTS AND LIST OF DRAWINGS.
★R1	EXISTING SITE SURVEY FOR REFERENCE ONLY
★BHS-CC-0	CODE COMPLIANCE SHEET
★BHS-CC-1	CODE COMPLIANCE SHEET

ABATEMENT: CONTRACT #1

ACM-001	ASBESTOS CONTAINING MATERIALS LOCATION PLAN
ACM-002	ASBESTOS CONTAINING MATERIALS LOCATION PLAN

CIVIL: CONTRACT #5

BHS-C100	OVERALL PLAN
BHS-C201	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– EXISTING CONDITIONS & REMOVALS PLAN
BHS-C202	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– EXISTING CONDITIONS & REMOVALS PLAN
BHS-C203	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– EXISTING CONDITIONS & REMOVALS PLAN
BHS-C204	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– EXISTING CONDITIONS & REMOVALS PLAN
BHS-C301	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– LAYOUT & LANDSCAPING PLAN
BHS-C302	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– LAYOUT & LANDSCAPING PLAN
BHS-C303	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– LAYOUT & LANDSCAPING PLAN
BHS-C304	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– LAYOUT & LANDSCAPING PLAN
BHS-C401	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– GRADING & UTILITIES PLAN
BHS-C402	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– GRADING & UTILITIES PLAN
BHS-C403	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– GRADING & UTILITIES PLAN
BHS-C404	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– GRADING & UTILITIES PLAN
BHS-C501	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– EROSION & SEDIMENT CONTROL PLAN
BHS-C502	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– EROSION & SEDIMENT CONTROL PLAN
BHS-C503	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– EROSION & SEDIMENT CONTROL PLAN
BHS-C504	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– EROSION & SEDIMENT CONTROL PLAN
BHS-C601	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– UTILITY PROFILES
BHS-C602	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– UTILITY PROFILES
BHS-C701	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– DETAILS
BHS-C702	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– DETAILS
BHS-C703	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– DETAILS
BHS-C704	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– DETAILS
BHS-C705	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– DETAILS
BHS-C706	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– DETAILS
BHS-C707	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– DETAILS
BHS-C708	ATHLETIC FIELD, TRACK & PARKING AT BREWSTER H.S.– DETAILS

ARCHITECTURAL: CONTRACT #1

BHS-A10	PARTIAL SITE REMOVAL PLAN & PARTIAL SITE PLAN
BHS-A11	SITE DETAILS
BHS-A100	OVERALL GROUND LEVEL FLOOR PLAN
BHS-A101	OVERALL FIRST FLOOR PLAN
BHS-A102	OVERALL SECOND FLOOR PLAN
BHS-A103	OVERALL ROOF PLAN
BHS-A110	PARTIAL REMOVAL FIRST FLOOR PLAN & FIRST FLOOR PLAN
BHS-A111	PARTIAL FOUNDATION PLAN AND ROOF PLAN
BHS-A112	INTERIOR ELEVATIONS
BHS-A113	PARTIAL ROOF PLANS
BHS-A200	REMOVAL FIRST FLOOR REMOVAL REFLECTED PLAN & FIRST FLOOR REFLECTED PLAN
BHS-A300	EXTERIOR ELEVATIONS
BHS-A420	ELEVATOR PARTIAL REMOVAL PLANS, PARTIAL PLANS & DETAILS
BHS-AR425	REMOVAL WALL SECTIONS
BHS-A425	WALL SECTIONS
BHS-A426	WALL SECTIONS
BHS-A427	WALL SECTIONS
BHS-A428	WALL SECTIONS
BHS-A500	WALL TYPES & DETAILS
BHS-A600	COLUMN DETAILS
BHS-A625	ROOF DETAILS
BHS-A626	ROOF DETAILS
BHS-A650	MASONRY DETAILS
BHS-A651	MISCELLANEOUS DETAILS
BHS-A700	DOOR SCHEDULE, DOOR TYPES, FRAME TYPES, WINDOW SCHEDULE & WINDOW TYPES
BHS-A701	DOOR DETAILS & WINDOW DETAILS
BHS-A702	DOOR DETAILS & WINDOW DETAILS
BHS-A703	DOOR DETAILS & WINDOW DETAILS
BHS-A704	DOOR DETAILS & WINDOW DETAILS
BHS-A825	FINISH SCHEDULE LEGEND, FINISH SCHEDULE & FINISH FLOOR PLAN

STRUCTURAL: CONTRACT #1

S101	SECURITY VESTIBULE FOUNDATION PLAN & ROOF FRAMING PLAN
S102	ENTRY BRIDGES REPAIR PLANS & DETAILS
S201	SECTIONS & DETAILS
S301	DETAILS & NOTES

MECHANICAL: CONTRACT #3

BHS-M001	MECHANICAL NOTES & LEGEND
BHS-M002	NEW ADDITION MECHANICAL ZONING PLANS & VENTILATION TABLE
BHS-M101	NEW ADDITION KEY PLAN, PARTIAL FIRST FLOOR PLAN & ROOF MECHANICAL PLAN
BHS-M102	EQUIPMENT REPLACEMENT KEY PLAN, PARTIAL FIRST FLOOR PLAN & ROOF MECHANICAL PLAN
BHS-M103	ROOF MECHANICAL DEMO PLAN– C
BHS-M200	MECHANICAL DETAILS
BHS-M201	MECHANICAL DETAILS
BHS-M202	MECHANICAL DETAILS
BHS-M203	MECHANICAL PIPING & CONTROLS DIAGRAM
BHS-M300	MECHANICAL SCHEDULES

ELECTRICAL: CONTRACT #4

BHS-E001	ELECTRICAL NOTES & LEGEND
BHS-E100	BASEMENT ELECTRICAL POWER PLAN
BHS-EL101	FIRST FLOOR ELECTRICAL LIGHTING PLAN
BHS-EP101	FIRST FLOOR ELECTRICAL POWER PLAN
BHS-E102	SECOND FLOOR ELECTRICAL POWER PLAN
BHS-E103	ROOF FLOOR ELECTRICAL POWER PLANS
BHS-SU100	SITE LIGHTING PLAN
BHS-SEC–1	SECURITY PLAN & DETAILS

PLUMBING: CONTRACT #2

BHS-P001	PLUMBING SYMBOLS, NOTES & DETAILS
BHS-P100	BASEMENT PLUMBING PLAN
BHS-P102	FIRST FLOOR, ROOF KEY PLANS & PLUMBING PART PLANS

NOTES:

1. PROJECT WILL BE CONSTRUCTED UNDER MULTIPLE CONTRACTS.
2. EACH CONTRACT IS PERFORMED CONCURRENTLY AND COORDINATED CLOSELY WITH CONSTRUCTION ACTIVITIES PERFORMED ON PROJECT UNDER OTHER CONTRACTS. CONTRACTS FOR THIS PROJECT INCLUDE THE FOLLOWING:
   1. GENERAL CONTRACTOR.
   2. PLUMBING CONTRACTOR.
   3. MECHANICAL, HEATING, VENTILATING CONTRACTOR.
   4. ELECTRICAL CONTRACTOR.
3. EACH PRIME CONTRACTOR IS RESPONSIBLE OF REVIEWING EACH DRAWING SET FOR COORDINATION WITH THEIR TRADES WORK.

CONTRACT DRAWINGS

★ COMMON DRAWINGS **TO ALL CONTRACTORS**

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, COORDINATED 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 REMOVALS 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 ⅝" 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 O

PLOT DATE: April 18, 2024 - 2:14pm

FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\R-1.dwg

PHOTOGRAMMETRY BY:

GdB Geospatial

Details and topography derived from aerial photogrammetry dated April 18, 2023 and supplemented by traditional survey methods on June 19, 2023.

Vertical Datum - NAVD 1988

FOR REFERENCE ONLY

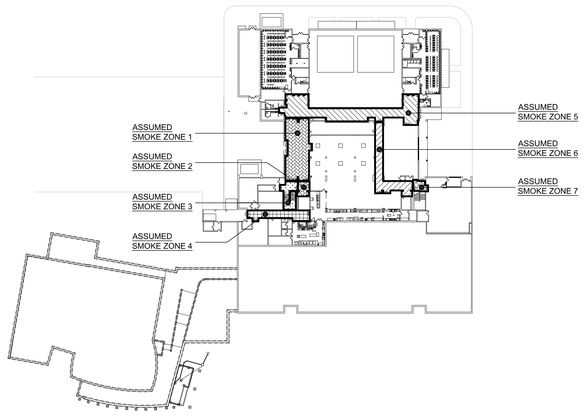
PROJECT TITLE	BREWSTER CENTRAL SCHOOL DISTRICT BREWSTER HIGH SCHOOL SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK 50 FOGGINTOWN ROAD BREWSTER, NY 10509
DRAWING TITLE	EXISTING SITE SURVEY FOR REFERENCE ONLY
S.E.D. CONTROL NUMBER:	BREWSTER HIGH SCHOOL 49-06-01-06-0-004-010
DRAWN BY	F & D
FILE NO.	23505.01
SCALE	AS NOTED
SHEET SIZE	30"x42"
DRAWING NO.	BHS R-1

DATE	ISSUED TO
04-22-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.O. SUBMISSION
06-20-2023	S.D. SUBMISSION

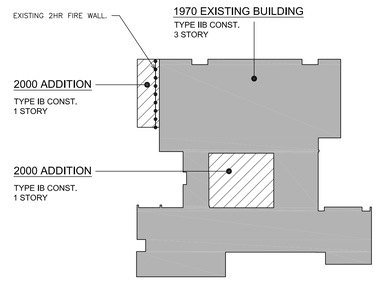
FULLER D'ANGELO P.C.
ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL 914.592.4444 FAX 914.592.1717
WWW.FULLERDANGELO.COM

Copyright 2024 All Rights Reserved by FULLER & D'ANGELO P.C.

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.



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



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

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

FIRE AREA 1		
1ST FLOOR	564 S.F.	
FIRE AREA 2		
GROUND	5,485 S.F.	
1ST FLOOR		
TYPE IIA	17,534 S.F.*	
TYPE IIB	28,473 S.F.*	
2ND FLOOR		
TYPE IIA	18,821 S.F.*	
TYPE IIB	4,318 S.F.*	
	74,631 S.F.*	
FIRE AREA 3		
GROUND	36,318 S.F.*	
1ST FLOOR	34,765 S.F.*	
2ND FLOOR	34,471 S.F.*	
	107,554 S.F.*	

* PRE-EXISTING NON-CONFORMING

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	N/A
MASS	R-11.4ci	R-12.5ci & R-6 CAVITY
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)

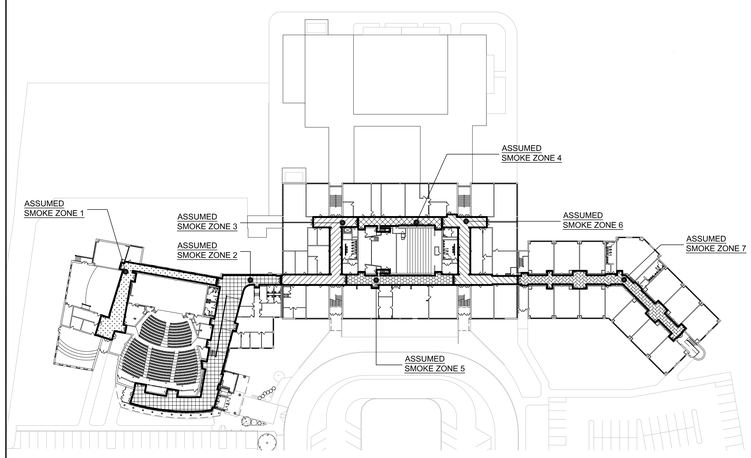
ELEMENT	CONDITION / VALUE	
VERTICAL FENESTRATION (AREA NOT GREATER THAN 30%)	U-VALUE	
	REQUIRED	PROVIDED
FIXED	0.38	SEE SPEC.
OPERABLE	0.45	
ENTRANCE DOORS	0.77	
SKYLIGHTS	0.50	
SHGC	REQUIRED	PROVIDED
		SEE SPEC.
PF<0.2	0.38	
0.2≤PF≤0.5	0.46	
PF>0.5	0.61	

MAXIMUM AIR LEAKAGE RATE FOR FENESTRATION (C402.5.2)

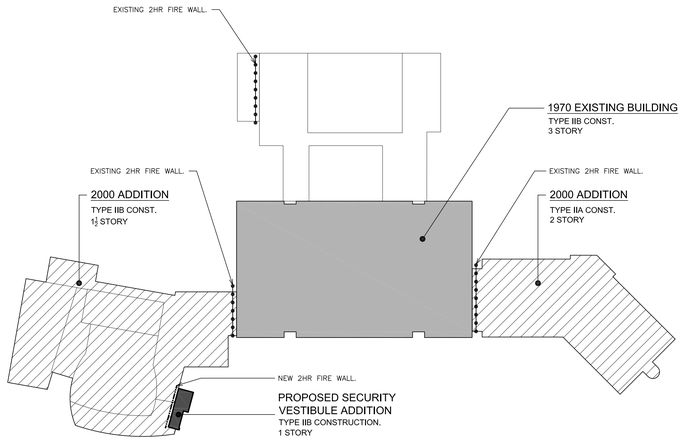
ELEMENT	CONDITION / VALUE
WINDOWS	0.20 CFM/FT²
SWINGING DOORS	0.20 CFM/FT²
CURTAIN WALL	0.06 CFM/FT²
STOREFRONT GLAZING	0.06 CFM/FT²

CODE 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)
3. BUILDING HEIGHT (504.3)
   ALLOWABLE HEIGHT (NON-SPRINKLERED) 55'-0"
   ACTUAL HEIGHT 17'-11"±
4. NUMBER OF STORIES (504.4)
   ALLOWABLE (NON-SPRINKLERED) 2 STORIES
   ACTUAL 1 STORY
5. ALLOWABLE AREA (506.2) ACTUAL ALLOWABLE
   *(NON-SPRINKLERED) 584 s.f. *14,500 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-IIB (PROPOSED)
7. FIRE SEPARATION DISTANCE (TABLE 602)
   TYPE-IIIB, E OCCUPANCY
   X<5' (1) HR.
   5'≤X≤10' (1) HR.
   10'≤X≤30' (0) 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. (GROSS)/OCCUPANT
   • UNCONCENTRATED (TABLE & CHAIRS) 15 s.f. (GROSS)/OCCUPANT
   OFFICE 150 s.f. (GROSS)/OCCUPANT
   STORAGE/MECH 300 s.f. (GROSS)/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-IIB (TABLE 601)
    A. PRIMARY STRUCTURE 0 HRS.
    B. BEARING WALLS
       EXTERIOR 0 HRS.
       INTERIOR 0 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 0 HRS.
    F. ROOF CONSTRUCTION
       INCLUDING SUPPORTING BEAM AND JOISTS 0 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)
    GROUND FLOOR 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



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



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

DOOR EXIT WIDTH (NON-SPRINKLERED) (1005)

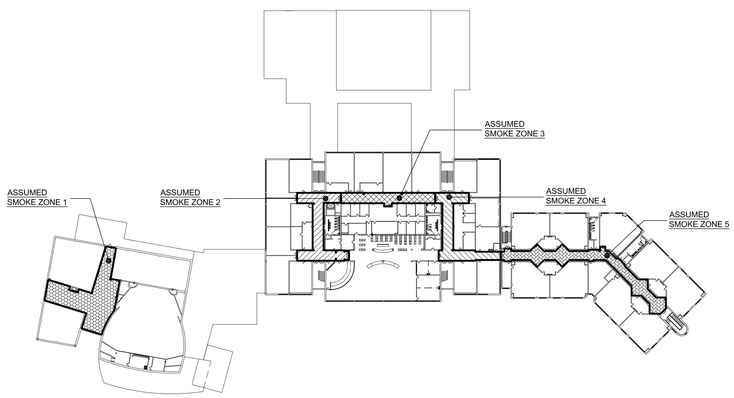
34" DOOR WIDTH = 31.62" ACTUAL DOOR EXIT WIDTH @ .20"/P = 158 PERSONS
36" DOOR WIDTH = 33.62" ACTUAL DOOR EXIT WIDTH @ .20"/P = 168 PERSONS
38" DOOR WIDTH = 35.62" ACTUAL DOOR EXIT WIDTH @ .20"/P = 178 PERSONS
40" DOOR WIDTH = 37.62" ACTUAL DOOR EXIT WIDTH @ .20"/P = 188 PERSONS
42" DOOR WIDTH = 39.62"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

(2)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

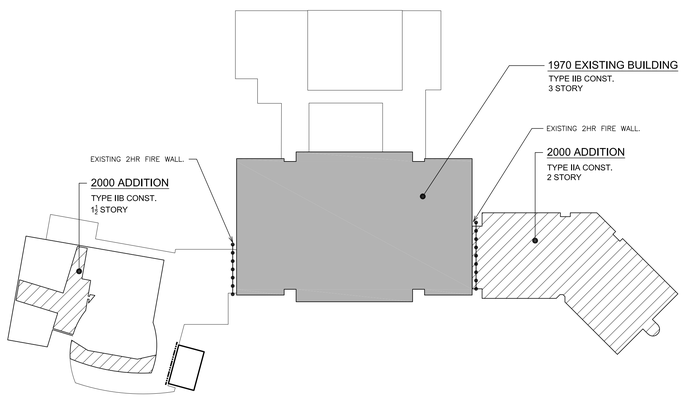
AT EXTERIOR DOORS WITH CENTER MULLION:
(2)36" DOOR WIDTH = 66.5" ACTUAL DOOR EXIT WIDTH @ .20"/P = 332 PERSONS

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.



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



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

CODE REFERENCE PLAN LEGEND

CLASSROOM (E1E)	ROOM NAME AND NUMBER
386 / 350	AREA IN SQ. FT.
	ROOM OCCUPANCY LOAD
	OCCUPANCY LOAD FACTOR
45 / 100	ACTUAL EGRESS OCCUPANCY OF DOOR OR STAIR
	MAXIMUM ALLOWABLE EGRESS OCCUPANCY OF DOOR OR STAIR
60	DIRECTION OF TRAVEL WITH ACCUMULATED OCCUPANCY LOAD
22 CLEAR	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

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
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERDANGELO.COM
Copyright 2024 FULLER D'ANGELO P.C.

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD &
RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

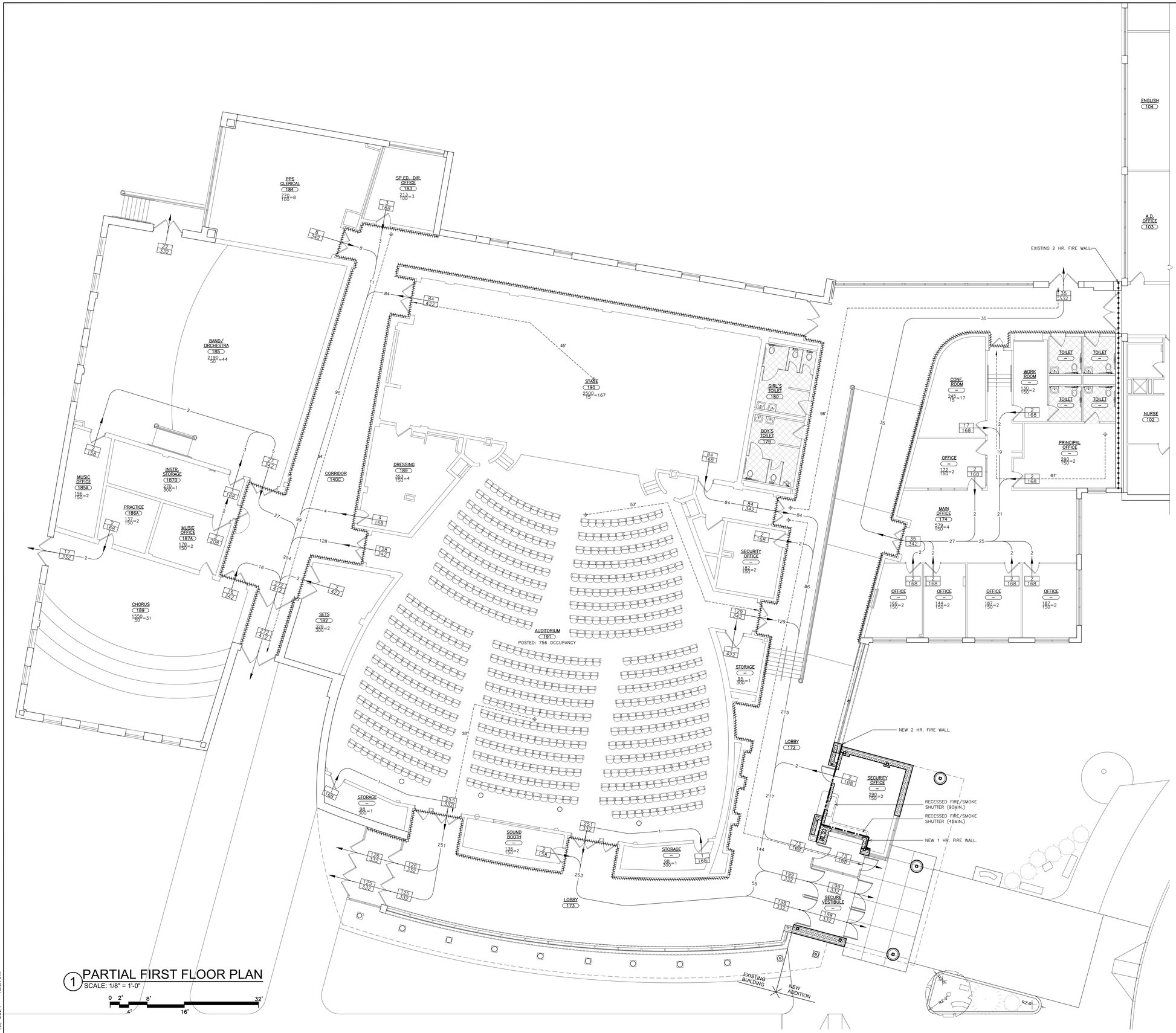
DRAWING TITLE
CODE COMPLIANCE SHEET

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. BHS CC-0
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.01

PLOT DATE: April 18, 2024 - 10:36am

FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\CC-1.dwg



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

0 2' 4' 8' 16' 32'

CODE REFERENCE PLAN LEGEND

CLASSROOM 216	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
	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

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
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERANGELO.COM
Copyright 2024 FULLER D'ANGELO P.C.

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
PARTIAL FIRST FLOOR
CODE COMPLIANCE SHEET

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

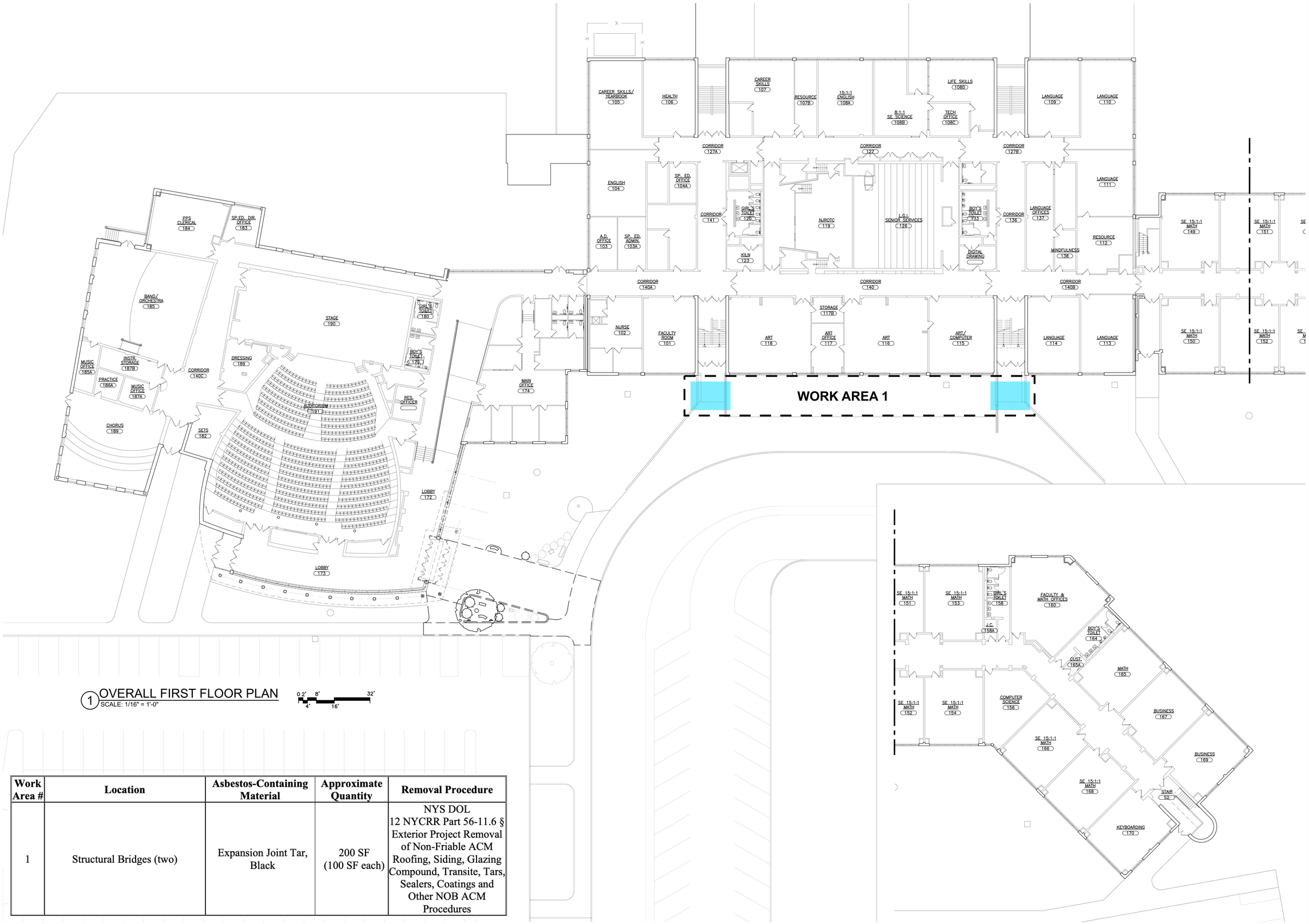
SHEET SIZE 30"x42"
DRAWING NO. BHS CC-1
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.01

PLOT DATE: April 18, 2024 - 10:37am

FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\CC-1.dwg

LEGEND:

LOCATION OF ASBESTOS CONTAINING EXPANSION JOINT TAR, BLACK.



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

0 2' 4' 8' 16' 32'

Work Area #	Location	Asbestos-Containing Material	Approximate Quantity	Removal Procedure
1	Structural Bridges (two)	Expansion Joint Tar, Black	200 SF (100 SF each)	NYS DOL 12 NYCRR Part 56-11.6 § Exterior Project Removal of Non-Friable ACM Roofing, Siding, Glazing Compound, Transite, Tars, Sealers, Coatings and Other NOB ACM Procedures

AS PER USA COPYRIGHT 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
49 DUNLEVIE ROAD HARRISON, NEW YORK 10528
TEL. 914.835.0884 FAX 914.835.1717

Copyright 2024 All Rights Reserved by FULLER & D'ANGELO P.C.

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE

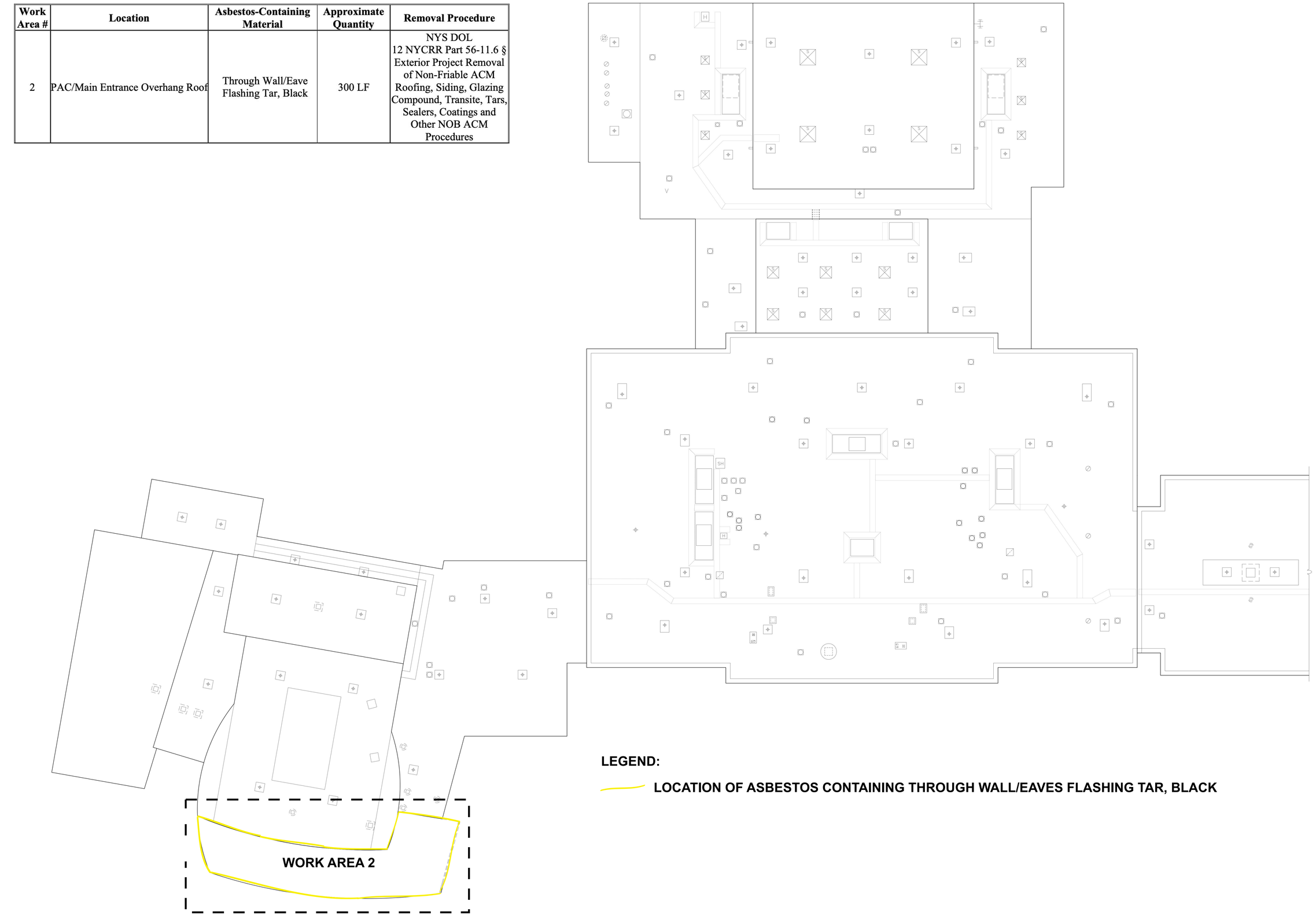
DATE	ISSUED TO
04-23-2024	B I D.
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. ACM-001
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.01

PLOT DATE: April 17, 2024 - 9:44am

FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\REF\X-23505.01-TTLBLK 30x42.dwg

Work Area #	Location	Asbestos-Containing Material	Approximate Quantity	Removal Procedure
2	PAC/Main Entrance Overhang Roof	Through Wall/Eave Flashing Tar, Black	300 LF	NYS DOL 12 NYCRR Part 56-11.6 § Exterior Project Removal of Non-Friable ACM Roofing, Siding, Glazing Compound, Transite, Tars, Sealers, Coatings and Other NOB ACM Procedures



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

0 2' 8' 32'
4' 16'

LEGEND:

LOCATION OF ASBESTOS CONTAINING THROUGH WALL/EAVES FLASHING TAR, BLACK

AS PER USA COPYRIGHT 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

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD &
RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE

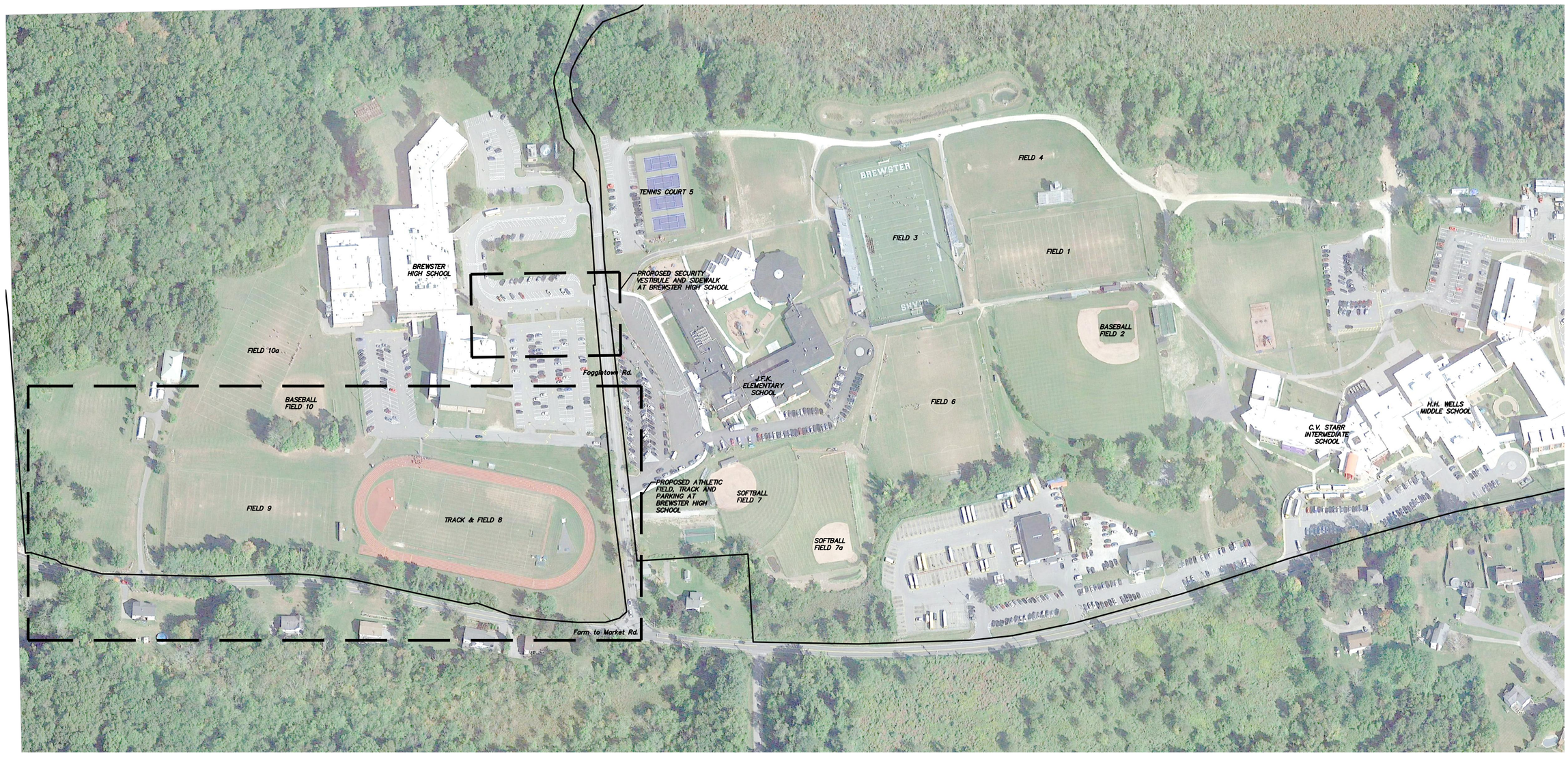
DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: ACM-002
SCALE: AS NOTED
DRAWN BY: F & D
FILE NO.: 23505.01

Copyright 2024 All Rights Reserved by FULLER & D'ANGELO P.C.

PLOT DATE: April 17, 2024 - 9:44am

FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\REF\X-23505.01-TITLBLK 30x42.dwg



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. Tree clearing can only be performed between October 1st and March 31st.
27. 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.
28. The contractor shall maintain existing grades unless otherwise noted.
29. Contractor shall be responsible for removal of all excess rock, topsoil, subsoil, and construction debris from the site.
30. 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.
31. All proposed concrete drainage structures shall be precast concrete and all structures, frames, and grates are to meet H-20 loading requirements.
32. Design Engineer to approve locations and elevations of all structures prior to placement.
33. Where side drain inlets are proposed the Contractor shall extend the upstream swale to the side inlet of the drainage structure.
34. Unless otherwise shown on the drawings the contractor shall match the material, thickness and quality of all existing pavements that are to be replaced.
35. 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.
36. The contractor will be responsible for the implementation of all maintenance and protection of traffic (MP&T) measures if necessary. 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.

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 capped and abandoned in place. 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. All septic tanks shall be located prior to the start of demolition. All septic tanks shall be pumped by a licensed septic effluent hauler and disposed of in accordance with all pertinent regulations. The tanks shall then be crushed and abandoned in place. Septic tanks also include grease traps, manholes, dosing tanks and chlorine contact tanks.
9. 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.
10. Remove existing electrical wiring and conduit back to the source panel.
11. 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 H25 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.

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.

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 assume 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 locate 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 sewer manhole pipe penetrations shall be provided with a waterproof rubber boot and gasket.

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

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.

ENGINEERING AND SURVEYING BY:

INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, New York 10512
(845) 225-6690
(845) 225-6977 fax
www.insite-eng.com

INSITE PROJECT# 23149.100

FULLER D'ANGELO P.C. ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
www.fullerdangelo.com

Copyright 2021 Fuller D'Angelo P.C. and INSITE Engineering, Surveying & Landscape Architecture, P.C.

JOHN M. WATSON
No. 77990
LICENSED PROFESSIONAL ENGINEER
LICENSE EXP. DATE: 07-31-2026
CERT. NO. 2438573

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE: CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
RELOCATED VESTIBULE, SYNTHETIC FIELD & SAFETY WORKS
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE: OVERALL PLAN

04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE: 30"x42"
DRAWING NO.: BHS C100
SCALE: 1"=100'
DRAWN BY: TSM
FILE NO.: 23505.01

PLOT DATE: April 17, 2024 - 7:19pm
FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C100.dwg
Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C100.dwg, 4/17/2024 7:18:59 AM, Tsm's L1

LEGEND

- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- 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 UNDERSTORY/SHRUB LINE
- EXISTING TREE TO BE REMOVED
- EXISTING 5' CONTOUR
- EXISTING 1' CONTOUR
- EXISTING SPOT GRADE
- EXISTING MANHOLE (type unidentified)
- EXISTING UTILITY MANHOLE
- EXISTING DRAINAGE MANHOLE
- EXISTING SEWER MANHOLE
- EXISTING CATCH BASIN /DRAIN INLET
- EXISTING SURFACE SITE FEATURE TO BE REMOVED
- EXISTING SUBSURFACE SITE FEATURE TO BE REMOVED
- EXISTING SEWER LINE
- EXISTING SEWER SERVICE LINE
- EXISTING TELECOMMUNICATION LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING UNDERGROUND GAS LINE
- EXISTING WATER SERVICE LINE

TREE REMOVAL NOTES:

- All trees within limits of disturbance are to be removed. Stand alone trees are marked individually, but limits of removal are shown by new tree line.

GRAPHIC SCALE

0 10 20 40

(IN FEET)
1 inch = 20 ft.

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.

ENGINEERING AND SURVEYING BY:

INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225-6690
(845) 225-8977 fax
www.insite-ny.com

INSITE PROJECT# 23149.100

FULLER D'ANGELO P.C.
ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
www.fullerdangelo.com

Copyright 2024 by Fuller D'Angelo P.C. (F&D) P.C.

STATE OF NEW YORK
JOHN M. WATERS
LICENSED PROFESSIONAL ENGINEER
NO. 77930

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

S.E.D. CONTROL NUMBER:

BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE:
ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
EXISTING CONDITIONS AND REMOVALS PLAN

DATE	ISSUED TO
04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"	DRAWING NO.: BHS C201
SCALE: 1"=20'	
DRAWN BY: TSM	FILE NO.: 23505.01

PLOT DATE: April 17, 2024 - 7:19am
Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C201-C204.dwg, 4/17/2024 7:19:23 AM, Xerox 11

FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C201-C204.dwg

PLOT DATE: April 17, 2024 – 7:20am

FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C201–C204.dwg

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.

ENGINEERING AND SURVEYING BY:
INSITE ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225-9690
(845) 225-9717 fax
www.insite-eng.com
INSITE PROJECT#: 23149.100

FULLER D'ANGELO P.C.
ARCHITECTS PLANNERS
45 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL 914.592.4444 FAX 914.592.1717
WWW.FULLERDANGELO.COM
Copyright 2023 All Rights Reserved by FULLER & D'ANGELO P.C.

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:

BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
EXISTING CONDITIONS AND REMOVALS PLAN

DATE	ISSUED TO
04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"	DRAWING NO. BHS C202
SCALE 1"=20'	
DRAWN BY TSM	FILE NO. 23505.01

MATCH LINE TO DRAWING NO. C205

MATCH LINE TO DRAWING NO. C203

BREWSTER HIGH SCHOOL

FIELD #8
TRACK & FIELD

FARM TO MARKET ROAD

FOGGINTOWN ROAD

EXISTING ASPHALT WALKWAY TO REMAIN

EXISTING CURB TO REMAIN

EXISTING SIGN TO BE RELOCATED

EXISTING SIGN TO BE REMOVED

EXISTING CURB TO BE REMOVED

EXISTING GUIDE RAIL TO BE REMOVED

SAW CUT FULL DEPTH

EXISTING PAVEMENT TO BE REMOVED

EXISTING LIGHT POLE TO BE REMOVED BY ELECTRICAL CONTRACTOR

EXISTING TELECOMMUNICATIONS AND ELECTRIC LINE TO BE RELOCATED BY ELECTRICAL CONTRACTOR

EXISTING TREE TO BE REMOVED (ADD/ALT S-1)

REMOVE DRAINAGE STRUCTURE & PIPES

EXISTING BOLLARDS & CHAIN TO BE REMOVED

EXISTING GUIDE RAIL TO BE REMOVED

EXISTING ROCKS TO BE REMOVED

EXISTING SWALE, DRAINAGE STRUCTURES, AND PIPING TO BE REMOVED

EXISTING BLEACHERS TO BE REMOVED BY THE SCHOOL DISTRICT PRIOR TO THE START OF CONSTRUCTION

EXISTING RESILIENT TRACK SURFACE TO BE REMOVED

EXISTING TRACK EVENT TO BE REMOVED

EXISTING TRACK EVENTS TO BE REMOVED (TYP.)

EXISTING DRAINAGE STRUCTURES AND PIPING TO BE REMOVED

PORTION OF EXISTING GUIDE RAIL TO BE REMOVED (ADD/ALT S-1)

EXISTING STORAGE CONTAINER TO BE RELOCATED

EXISTING TRACK SCORE BOARD TO BE REMOVED

EXISTING ELECTRICAL LINE TO BE DISCONNECTED AND ABANDONED. SEE ELECTRICAL DRAWING.

EXISTING TREE TO BE REMOVED (TYP.)

EXISTING BLEACHERS TO BE SALVAGED AND RELOCATED. SEE LAYOUT PLAN FOR LOCATION.

EXISTING FENCE TO BE REMOVED

LEGEND

- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- 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 UNDERSTORY/SHRUB LINE
- EXISTING TREE TO BE REMOVED
- EXISTING 5' CONTOUR
- EXISTING 1' CONTOUR
- EXISTING SPOT GRADE
- EXISTING MANHOLE (type unidentified)
- EXISTING UTILITY MANHOLE
- EXISTING DRAINAGE MANHOLE
- EXISTING SEWER MANHOLE
- EXISTING CATCH BASIN /DRAIN INLET
- EXISTING SURFACE SITE FEATURE TO BE REMOVED
- EXISTING SUBSURFACE SITE FEATURE TO BE REMOVED
- EXISTING SEWER LINE
- EXISTING SEWER SERVICE LINE
- EXISTING TELECOMMUNICATION LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING UNDERGROUND GAS LINE
- EXISTING WATER SERVICE LINE

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

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.

ENGINEERING AND SURVEYING BY:
INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225-4690
(845) 225-8977 fax
www.insite-eng.com
INSITE PROJECT# 23149.100

FULLER D'ANGELO P.C.
ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
www.fullerdangelo.com

Copyright 2024 Fuller D'Angelo P.C.

STATE OF NEW YORK
JOHN M. WATSON
No. 77902
LICENSED PROFESSIONAL ENGINEER

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

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
RELOCATE WEST BUILT, SYNTHETIC FIELD & RESURFACE TRACK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
EXISTING CONDITIONS AND REMOVALS PLAN

04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE 30"x42"	DRAWING NO. BHS C203
SCALE 1"=20'	
DRAWN BY TSM	FILE NO. 23505.01

PLOT DATE: April 17, 2024 - 7:20am

FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C201-C204.dwg

LEGEND

- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- 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 UNDERSTORY/SHRUB LINE
- EXISTING TREE TO BE REMOVED
- EXISTING 5' CONTOUR
- EXISTING 1' CONTOUR
- EXISTING SPOT GRADE
- EXISTING MANHOLE (type unidentified)
- EXISTING UTILITY MANHOLE
- EXISTING DRAINAGE MANHOLE
- EXISTING SEWER MANHOLE
- EXISTING CATCH BASIN /DRAIN INLET
- EXISTING SURFACE SITE FEATURE TO BE REMOVED
- EXISTING SUBSURFACE SITE FEATURE TO BE REMOVED
- EXISTING SEWER LINE
- EXISTING SEWER SERVICE LINE
- EXISTING TELECOMMUNICATION LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING UNDERGROUND GAS LINE
- EXISTING WATER SERVICE LINE

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

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.

ENGINEERING AND SURVEYING BY:

INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225-4690
(845) 225-4977 fax
www.insite-ny.com

INSITE PROJECT# 23149.100

FULLER D'ANGELO P.C.
ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
www.fullerdangelo.com

Copyright 2024 by Fuller D'Angelo P.C.

STATE OF NEW YORK JOHN M. WATSON JR. NO. 77933 LICENSED PROFESSIONAL ENGINEER

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

S.E.D. CONTROL NUMBER:

BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

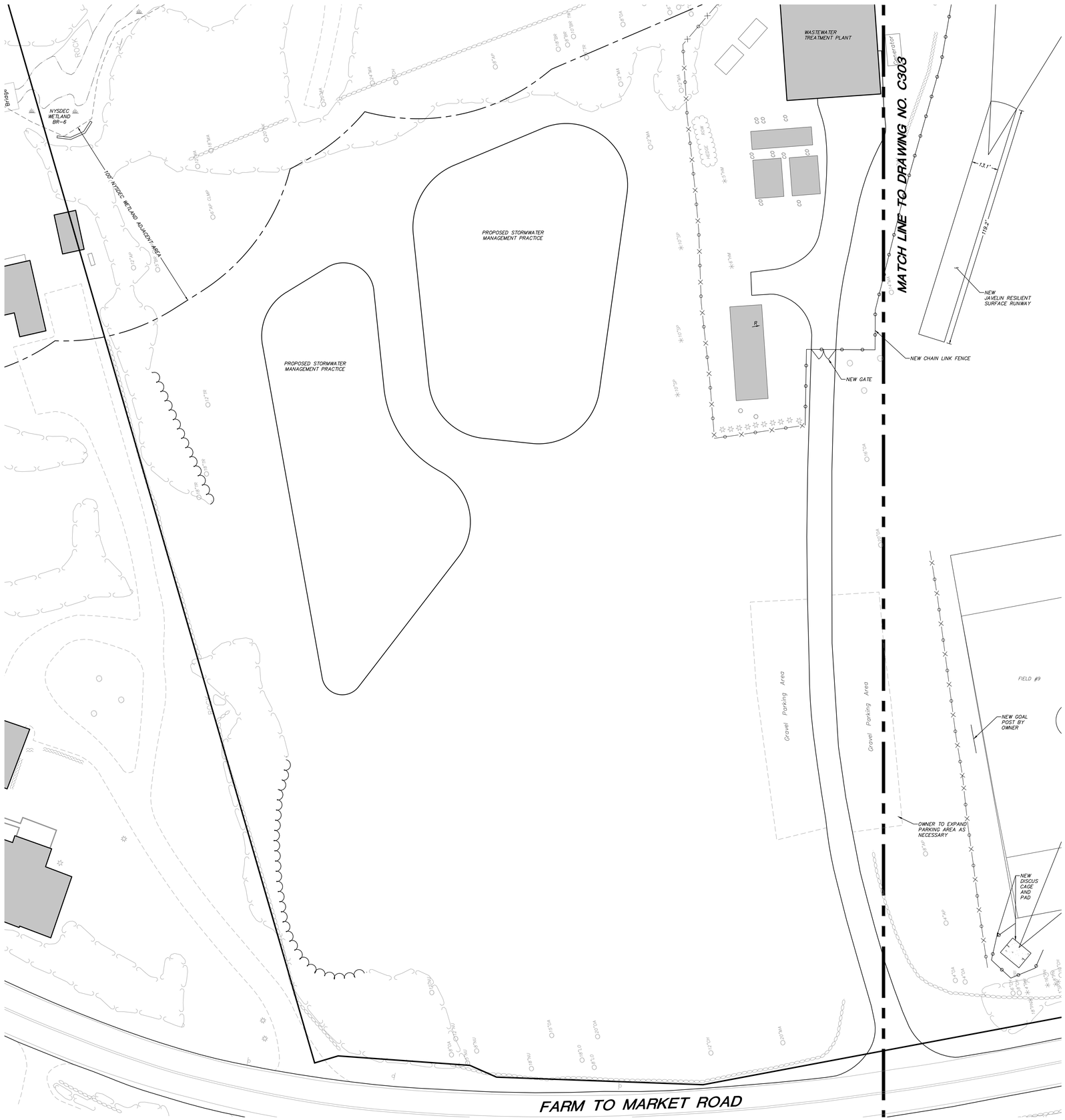
DRAWING TITLE:
ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
EXISTING CONDITIONS AND REMOVALS PLAN

DATE	ISSUED TO
04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: BHS C204
SCALE: 1"=20'
DRAWN BY: TSM
FILE NO.: 23505.01

PLOT DATE: April 17, 2024 - 2:49pm
Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C201-C204.dwg, 4/17/2024 2:49:50 PM, archonitect, 11

FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C201-C204.dwg



LEGEND

- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- 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 UNDERSTORY/SHRUB LINE
- NEW # OF STALLS TO BE STRIPED
- NEW CONCRETE CURB
- NEW DROP CURB & RAMP
- NEW EDGE OF SIDEWALK
- NEW GUIDE RAIL
- NEW CHAIN LINK FENCE
- NEW POST & RAIL FENCE
- NEW RETAINING WALL
- NEW PAINTED CROSSWALK
- NEW PAINTED STOPBAR
- NEW ACCESSIBLE CURB RAMP
- NEW SINGLE POLE SIGN
- NEW PAINTED DIRECTIONAL ARROW
- NEW PAINTED HANDICAP PARKING SYMBOL
- NEW STRIPED ISLAND
- NEW SINGLE POLE SIGN
- NEW BOLLARD
- NEW/ADD ALT POLE MOUNTED LIGHT
- FUTURE STADIUM LIGHT
- NEW LANDSCAPING
- NEW TREELINE
- NEW UNDERSTORY/SHRUB LINE

GRAPHIC SCALE

0 10 20 40

(IN FEET)
1 inch = 20 ft.

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 PROPERTY AND PROPERTY OF F&D. ANY REPRODUCTION WITHOUT THE PRIOR CONSENT OF F&D IS PROHIBITED.

ENGINEERING AND SURVEYING BY:

INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, New York 10512
(845) 225-6690
(845) 225-6977 fax
www.insite-eng.com

INSITE PROJECT# 23149.100

FULLER D'ANGELO P.C.
ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
www.fullerdangelo.com

Copyright 2021 by Fuller D'Angelo P.C.

STATE OF NEW YORK
JOHN M. WATSON
No. 77955
LICENSED PROFESSIONAL ENGINEER

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

S.E.D. CONTROL NUMBER:

BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
RELOCATE VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
LAYOUT AND LANDSCAPE PLAN

DATE	ISSUED TO
04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"	DRAWING NO.: BHS C301
SCALE: 1"=20'	
DRAWN BY: TSM	FILE NO.: 23505.01

PLOT DATE: April 17, 2024 - 7:21am

Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C301-C304.dwg, 4/17/2024 7:21:44 AM, Hans.11

FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C301-C304.dwg

LEGEND

- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- 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 UNDERSTORY/SHRUB LINE
- NEW # OF STALLS TO BE STRIPED
- NEW CONCRETE CURB
- NEW DROP CURB & RAMP
- NEW EDGE OF SIDEWALK
- NEW GUIDE RAIL
- NEW CHAIN LINK FENCE
- NEW POST & RAIL FENCE
- NEW RETAINING WALL
- NEW PAINTED CROSSWALK
- NEW PAINTED STOPBAR
- NEW ACCESSIBLE CURB RAMP
- NEW SINGLE POLE SIGN
- NEW PAINTED DIRECTIONAL ARROW
- NEW PAINTED HANDICAP PARKING SYMBOL
- NEW STRIPED ISLAND
- NEW SINGLE POLE SIGN
- NEW BOLLARD
- NEW/ADD ALT POLE MOUNTED LIGHT
- FUTURE STADIUM LIGHT
- NEW LANDSCAPING
- NEW TREELINE
- NEW UNDERSTORY/SHRUB LINE

MATCH LINE TO DRAWING NO. C302

MATCH LINE TO DRAWING NO. C304

WASTEWATER TREATMENT PLANT

Gravel Parking Area

Gravel Parking Area

FIELD #9

FARM TO MARKET ROAD

NEW JAVELIN RESILIENT SURFACE RUNWAY

NEW CHAIN LINK FENCE

NEW GATE

NEW TEMPORARY GRASS SHOT PUT AREA BY OWNER

REALIGNED PRACTICE FIELD BY OWNER

NEW GOAL POST BY OWNER

NEW GOAL POST BY OWNER

OWNER TO EXPAND PARKING AREA AS NECESSARY

NEW DISCUS CAGE AND PAD

LIMIT OF NEW ASPHALT, SAW CUT AT EXISTING PAVEMENT

NEW MOUNTABLE CURB

10.5'

NEW GRAVEL ACCESS DRIVE

RELOCATED STORAGE CONTAINER

NEW LONG JUMP SAND FILLED LANDING AREA

NEW POLE VAULT RUNWAY WITH RESILIENT SURFACE

NEW HIGH JUMP

NEW GOAL POST WITH PADDING (TYP.)

R50.0'

18.0'

10.0'

160.0'

110.0'

13.2'

18.6'

NEW RESILIENT SURFACE

NEW RESILIENT SURFACE

50.0'

28.0'

21.5'

NEW POLE VAULT PIT

NEW POST & RAIL FENCE

400

GRAPHIC SCALE

0 10 20 40

(IN FEET)
1 inch = 20 ft.

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 PROPERTY AND PROPERTY OF F&D. ANY REPRODUCTION WITHOUT THE PRIOR CONSENT OF F&D IS PROHIBITED.

ENGINEERING AND SURVEYING BY:

INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.

3 Garrett Place
Carmel, New York 10512
(845) 225-4949
(845) 225-4977 fax
www.insite-eng.com

INSITE PROJECT# 23149.100

FULLER D'ANGELO P.C.
ARCHITECTS PLANNERS

48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
www.fullerdangelo.com

Copyright 2024 Fuller D'Angelo P.C.

JOHN M. WATSON
STATE OF NEW YORK
LICENSED PROFESSIONAL ENGINEER
No. 77989

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

S.E.D. CONTROL NUMBER:

BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
RELOCATE VESTIBULE, SYNTHETIC FIELD & ATHLETIC TRACK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
LAYOUT AND LANDSCAPE PLAN

DATE	ISSUED TO
04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. BHS C302
SCALE 1"=20'
DRAWN BY TSM
FILE NO. 23505.01

PLOT DATE: April 19, 2024 - 12:42pm

Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C301-C304.dwg, 4/19/2024 12:42:34 PM, mcfarlane, 1:1

FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C301-C304.dwg

MATCH LINE TO DRAWING NO. C303

MATCH LINE TO DRAWING NO. C305

BREWSTER HIGH SCHOOL

NEW CONCRETE SIDEWALK

LIMIT OF NEW ASPHALT, SAW CUT AT EXISTING PAVEMENT

NEW PARKING LOT A

NEW PARKING LOT B

MIN. 24" IN DIRECTION OF TRAVEL

NEW PAINTED CROSSWALK (TYP.)

NEW ACCESSIBLE CURB RAMP (TYP.)

NEW GUIDE RAIL

NEW PARKING LIGHT POLE SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR (TYP.)

NEW CONCRETE SIDEWALK

PROPOSED SIDEWALK BASE BID. SIDEWALK TO CONTINUE TO EXISTING CROSSWALK IF ADD/ALT IS NOT SELECTED

NEW CURB CUT (ADD/ALT)

MIN. 24" IN DIRECTION OF TRAVEL

NEW MOUNTABLE CURB

NEW GRAVEL ACCESS DRIVE

RELOCATED BLEACHERS BY SCHOOL (3 UNITS) WITH NEW CONCRETE PAD (ADD/ALT S-2)

NEW ADA VIEWING PLATFORM

NEW GATE (TYP.)

NEW 6 LANE 400M RESILIENT SURFACE TRACK

NEW ASPHALT WALKING PATH

NEW GATE (TYP.)

360.0' FOOTBALL FIELD (I/I) & SOCCER FIELD (O/O) & GIRL'S LACROSSE FIELD (I/I)

330.0' BOY'S LACROSSE FIELD (I/I)

300.0' FIELD HOCKEY (O/O)

RELOCATED STORAGE CONTAINER

NEW HIGH JUMP

NEW POLE VAULT RUNWAY WITH RESILIENT SURFACE

NEW GOAL POST WITH PADDING (TYP.)

R50.0'

NEW RESILIENT SURFACE

NEW SYNTHETIC TURF

FIELD #8

NEW SYNTHETIC TURF FIELD (SEE DETAIL FOR ADDITIONAL INFORMATION)

NEW TRACK MEASURING MONUMENT

NEW TRACK MEASURING MONUMENT

130.0' FLAG FOOTBALL FIELD

160.0' FOOTBALL FIELD (I/I)

180.0' BOY'S LACROSSE FIELD (I/I) & FIELD HOCKEY (O/O)

205.0' SOCCER FIELD (O/O)

NEW 4' HIGH BLACK VINYL CHAIN LINK FENCE & LIMIT OF RESILIENT SURFACE

NEW STEEPLECHASE PIT

NEW RESILIENT SURFACE WITH PAINTED STEEPLECHASE LINES

NEW RESILIENT SURFACE

NEW SYNTHETIC TURF

NEW SCOREBOARD AND MARQUEE

NEW ASPHALT PARKING LOT C (ADD/ALT S-1)

NEW CONCRETE CURB (ADD/ALT S-1)

NEW TRANSITION CURB (TYP.)

NEW CURB CUT (ADD/ALT S-1)

FOGGINTOWN ROAD

Existing Crosswalk

Traffic Signal Box

Traffic Signal Pole w/ Conc. Pad

Traffic Signal Box

400 METER MEASURING LINE

NEW POST & RAIL FENCE

NEW GATE (TYP.)

FUTURE STADIUM LIGHT. COORDINATE WITH ELECTRICAL CONTRACTOR FOR CONDUIT INSTALLATION.

NEW TRACK LIGHT POLE ON 2'-6" X 2'-6" CONCRETE PAD (TYP.). LIGHT AND POLE TO BE SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR.

FARM TO MARKET ROAD

GRAPHIC SCALE

0 10 20 40

(IN FEET)
1 inch = 20 ft.

LEGEND

- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- 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 UNDERSTORY/SHRUB LINE
- NEW # OF STALLS TO BE STRIPED
- NEW CONCRETE CURB
- NEW DROP CURB & RAMP
- NEW EDGE OF SIDEWALK
- NEW GUIDE RAIL
- NEW CHAIN LINK FENCE
- NEW POST & RAIL FENCE
- NEW RETAINING WALL
- NEW PAINTED CROSSWALK
- NEW PAINTED STOPBAR
- NEW ACCESSIBLE CURB RAMP
- NEW SINGLE POLE SIGN
- NEW PAINTED DIRECTIONAL ARROW
- NEW PAINTED HANDICAP PARKING SYMBOL
- NEW STRIPED ISLAND
- NEW SINGLE POLE SIGN
- NEW BOLLARD
- NEW/ADD ALT POLE MOUNTED LIGHT
- FUTURE STADIUM LIGHT
- NEW LANDSCAPING
- NEW TREELINE
- NEW UNDERSTORY/SHRUB LINE

FIELD LAYOUT NOTES

1. Soccer Makings Are 4" Yellow NFHS Standards.
2. Boy's Lacrosse Marking Are 4" Reflex Blue NFHS Standards.
3. Girl's Lacrosse Markings Are 4" Black NFHS Standards.
4. Football Markings Are 4" White NFHS Standards.
5. Field Hockey Markings Are 4" Red NFHS Standards.

PARKING SPACE NUMBER NOTE

1. When Parking Lot is Being Striped the Contractor Shall Number/Paint each Individual Parking Space. The Actual Number will be Provided to the Contractor by the School During Construction.

CURB RAMP NOTES:

Per curb ramps shown on the drawings herein:

- Contractor shall frame curb ramps in field per given parameters. Landscape Architect and Engineer to inspect in field and verify before pour.

PACKAGE 1 AND ADD ALTERNATES*:

PACKAGE 1	ADD ALTERNATES
• Synthetic turf athletic field with track at Brewster High School (Field #8). • Asphalt walking path and lighting at Brewster High School track. • Parking lots A and B at Brewster High School • Sidewalks from Foggintown Road to Lot A and Track • Track and Field Events • Drainage associated with Track and Parking lots • Stormwater Management Practices	S-1 • Parking C and curb cuts at Brewster High School • Drainage associated with Lot C • Tree removal associated with Lot C. S-2 • Concrete pad at relocated bleachers S-3 • Remove existing asphalt & subbase. Restore. S-4 • Price/SF for full depth asphalt • Price/CY for compacted subbase in place. • Price/Ton asphalt binder • Price/Ton asphalt top course

* See limits of packages and labels as shown hereon.

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 PROPERTY AND PROPERTY OF F&D. ANY REPRODUCTION WITHOUT THE PRIOR CONSENT OF F&D IS PROHIBITED.

ENGINEERING AND SURVEYING BY:
INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, New York 10512
(845) 225-4690
(845) 225-4977 fax
www.insite-ny.com

INSITE PROJECT# 23149.100

FULLER D'ANGELO P.C.
ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
www.fullerdangelo.com

Copyright 2024 by Fuller D'Angelo P.C.

STATE OF NEW YORK
JOHN M. WATSON
No. 17960
LICENSED PROFESSIONAL ENGINEER

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

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

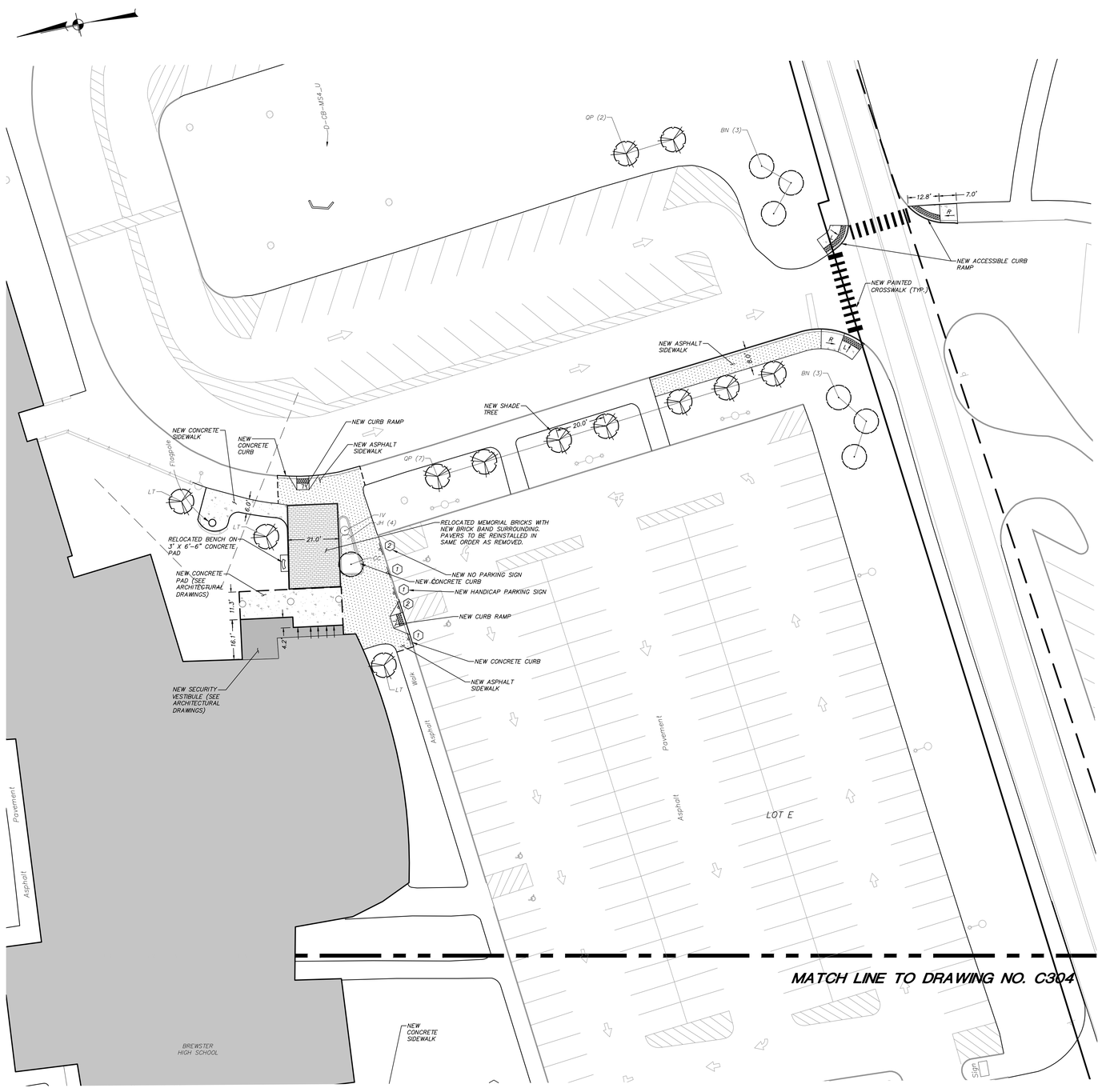
PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & TRACK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
LAYOUT AND LANDSCAPE PLAN

DATE	ISSUED TO
04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
SCALE 1"=20'
DRAWN BY TSM
DRAWING NO. BHS C303
FILE NO. 23505.01

PLOT DATE: April 19, 2024 - 12:40pm
Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C301-C304.dwg, 4/19/2024 12:40:13 PM, arcfordham 1:1
FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C301-C304.dwg



LEGEND

- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- 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 UNDERSTORY/SHRUB LINE
- NEW # OF STALLS TO BE STRIPED
- NEW CONCRETE CURB
- NEW DROP CURB & RAMP
- NEW EDGE OF SIDEWALK
- NEW GUIDE RAIL
- NEW CHAIN LINK FENCE
- NEW POST & RAIL FENCE
- NEW RETAINING WALL
- NEW PAINTED CROSSWALK
- NEW PAINTED STOPBAR
- NEW ACCESSIBLE CURB RAMP
- NEW SINGLE POLE SIGN
- NEW PAINTED DIRECTIONAL ARROW
- NEW PAINTED HANDICAP PARKING SYMBOL
- NEW STRIPED ISLAND
- NEW SINGLE POLE SIGN
- NEW BOLLARD
- NEW/ADD ALT POLE MOUNTED LIGHT
- FUTURE STADIUM LIGHT
- NEW LANDSCAPING
- NEW TREELINE
- NEW UNDERSTORY/SHRUB LINE

PLANT LIST

SYM.	QTY.	BOTANICAL/COMMON NAME	SIZE	ROOT
		TREES		
CC	1	Cercis canadensis / Redbud	2"–2.5"	B&B
LT	3	Liriodendron tulipifera 'Fastigiatum' / Tulip Tree	2"–2.5"	B&B
QP	9	Quercus palustris 'Green Pillar'/ Pin Oak 'Green Pillar'	2"–2.5"	B&B
BN	6	Betula nigra 'Heritage' / River Birch	12'–14'	B&B
		SHRUBS		
IV	1	Ilex verticillata / Winterberry Holly	18–14"	# 3 CONT.
JH	4	Juniperus horizontalis 'Blue Rug' / Creeping Juniper	6"	# 3 CONT.

SIGN DATA TABLE

LOCATION NO.	TEXT	M.U.T.C.D. NUMBER	SIZE OF SIGN (s.f.)	DESCRIPTION
1	NO PARKING ANY TIME	R7–1	12" x 18"	Red on White
2	RESERVED PARKING	R7–8	12" x 18"	Blue on White

GRAPHIC SCALE

0 10 20 40

(IN FEET)
1 inch = 20 ft.

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.

ENGINEERING AND SURVEYING BY:

INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225-4690
(845) 225-4977 fax
www.insite-ny.com

INSITE PROJECT#: 23149.100

FULLER D'ANGELO P.C. ARCHITECTS PLANNERS

48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
www.fullerdangelo.com

Copyright 2021 Fuller D'Angelo, P.C. (F&D)

STATE OF NEW YORK
JOHN M. WATSON
No. 77955
LICENSED PROFESSIONAL ENGINEER

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

S.E.D. CONTROL NUMBER:

BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
RELOCATION OF STADIUM, SYNTHETIC FIELD & SECURITY VESTIBULE
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE:
ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
LAYOUT AND LANDSCAPE PLAN

DATE	ISSUED TO
04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

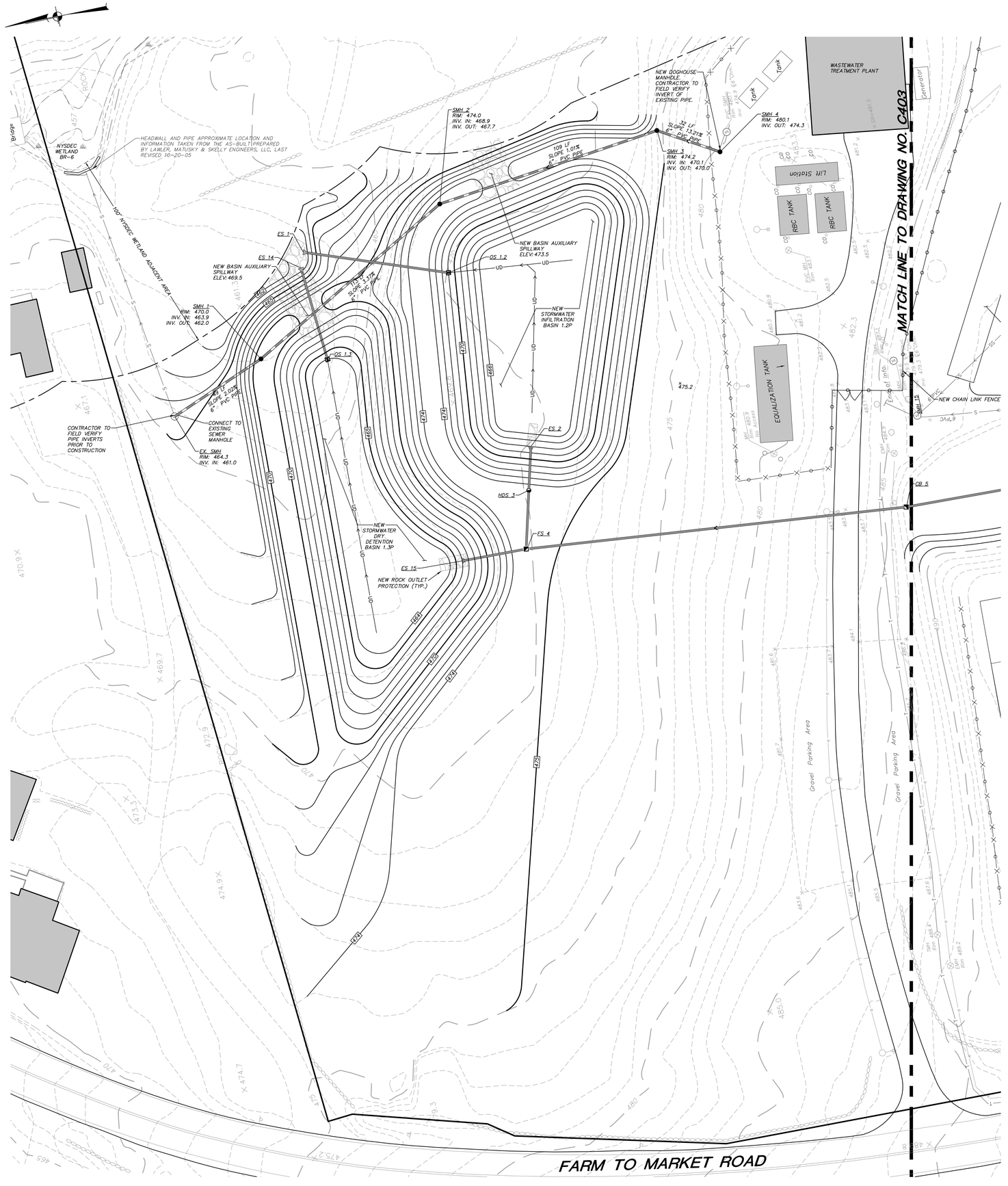
SHEET SIZE: 30"x42"
DRAWING NO.: BHS C304
SCALE: 1"=20'
DRAWN BY: TSM
FILE NO.: 23505.01

PLOT DATE: April 17, 2024 - 2:16pm
Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C301-C304.dwg, 4/17/2024 2:16:26 PM, mcfarlane, 1:1

FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C301–C304.dwg

DRAINAGE TABLE

Structure	RIM	INVERT ELEVATION	PIPE	LENGTH	SLOPE
ACO CB E	499.5	INV. OUT = 497.60 TO DI 11A	6" HDPE	39 L.F.	4.4%
ACO CB N	499.5	INV. OUT = 497.60 TO DMH 16	6" HDPE	54 L.F.	4.3%
ACO CB NE	499.5	INV. OUT = 497.60 TO DMH 9	6" HDPE	31 L.F.	4.5%
ACO CB NW	499.5	INV. OUT = 497.60 TO DMH 18	6" HDPE	36 L.F.	4.4%
ACO CB S	499.5	INV. IN = 497.60 FROM SC DRAIN INV. OUT = 497.60 TO DMH 22	4" HDPE 6" HDPE	17 L.F. 31 L.F.	1.8% 4.5%
ACO CB SE	499.5	INV. OUT = 497.60 TO DI 11B	6" HDPE	39 L.F.	4.4%
ACO CB SW	499.5	INV. OUT = 497.60 TO DMH 19	6" HDPE	36 L.F.	4.4%
ACO CB W (6")	499.5	INV. OUT = 497.60 TO DMH 18A	6" HDPE	36 L.F.	4.4%
CB 5	486.4	INV. IN = 475.20 FROM CB 6 INV. OUT = 475.20 TO FS 4	30" HDPE 30" HDPE	226 L.F. 182 L.F.	1.3% 3.2%
CB 6	490.8	INV. IN = 478.10 FROM DI 7 INV. OUT = 478.10 TO CB 5	30" HDPE 30" HDPE	197 L.F. 226 L.F.	1.1% 1.3%
CB 8	493.4	INV. IN = 482.10 FROM F TO DI 8B INV. IN = 487.50 FROM DMH 9 INV. OUT = 481.10 TO DI 7	18" HDPE 30" HDPE 30" HDPE	46 L.F. 124 L.F. 88 L.F.	1.3% 1.5% 1.0%
CB 10	498.9	INV. IN = 491.30 FROM CB 11 INV. OUT = 490.40 TO DMH 9	24" HDPE 24" HDPE	121 L.F. 52 L.F.	1.1% 1.2%
CB 11	504.6	INV. IN = 493.10 FROM DI 11A INV. IN = 499.60 FROM CB 12 INV. OUT = 492.60 TO CB 10	18" HDPE 12" HDPE 24" HDPE	51 L.F. 210 L.F. 121 L.F.	1.2% 1.0% 1.1%
CB 12	506.1	INV. IN = 501.70 FROM CB 13 INV. OUT = 501.70 TO CB 11	12" HDPE 12" HDPE	67 L.F. 210 L.F.	1.0% 1.0%
CB 13	505.9	INV. OUT = 502.40 TO CB 12	12" HDPE	67 L.F.	1.0%
CB 23	499.4	INV. OUT = 496.50 TO DMH 22	12" HDPE	89 L.F.	1.0%
DI 7	491.8	INV. IN = 480.20 FROM CB 8 INV. IN = 484.90 FROM DMH 16 INV. OUT = 480.20 TO CB 6	30" HDPE 24" HDPE 30" HDPE	88 L.F. 125 L.F. 197 L.F.	1.0% 1.0% 1.1%
DI 11A	499.0	INV. IN = 494.00 FROM DI 11B INV. IN = 495.90 FROM ACO CB E INV. OUT = 493.70 TO CB 11	15" HDPE 6" HDPE 18" HDPE	142 L.F. 39 L.F. 51 L.F.	1.1% 4.4% 1.2%
DI 11B	499.0	INV. IN = 496.10 FROM UD INV. IN = 495.90 FROM ACO CB SE INV. IN = 495.50 FROM T&F CP SE INV. OUT = 495.50 TO DI 11A	6" HDPE 6" HDPE 15" HDPE 15" HDPE	82 L.F. 39 L.F. 43 L.F. 142 L.F.	1.7% 4.4% 1.2% 1.1%
DI 16A	499.1	INV. IN = 496.30 FROM UD PV INV. IN = 496.30 FROM UD LJ INV. OUT = 496.30 TO DMH 16	6" HDPE 6" HDPE 12" HDPE	128 L.F. 65 L.F. 26 L.F.	1.0% 2.0% 1.6%
DI 24	504.3	INV. OUT = 501.50 TO SV EX DI	12" HDPE	14 L.F.	1.4%
DMH 9	499.8	INV. IN = 494.80 FROM T&F CP NE INV. IN = 496.20 FROM ACO CB NE INV. IN = 489.80 FROM CB 10 INV. OUT = 489.30 TO CB 8	15" HDPE 6" HDPE 24" HDPE 30" HDPE	34 L.F. 31 L.F. 52 L.F. 124 L.F.	3.5% 4.5% 1.2% 1.5%
DMH 16	499.4	INV. IN = 486.20 FROM DMH 17 INV. IN = 495.30 FROM ACO CB N INV. IN = 495.90 FROM DI 16A INV. OUT = 486.20 TO DI 7	24" HDPE 6" HDPE 12" HDPE 24" HDPE	159 L.F. 54 L.F. 26 L.F. 125 L.F.	1.0% 4.3% 1.6% 1.0%
DMH 17	500.0	INV. IN = 487.80 FROM DMH 18 INV. OUT = 487.80 TO DMH 16	24" HDPE 24" HDPE	114 L.F. 159 L.F.	1.1% 1.0%
DMH 18	499.3	INV. IN = 489.00 FROM DMH 18A INV. IN = 496.00 FROM ACO CB NW INV. IN = 494.50 FROM T&F CP NW INV. OUT = 489.00 TO DMH 17	24" HDPE 6" HDPE 15" HDPE 24" HDPE	143 L.F. 36 L.F. 40 L.F. 114 L.F.	1.1% 4.4% 3.8% 1.1%
DMH 18A	499.3	INV. IN = 490.50 FROM DMH 19 INV. IN = 496.00 FROM ACO CB W (6") INV. OUT = 490.50 TO DMH 18	24" HDPE 6" HDPE 24" HDPE	142 L.F. 36 L.F. 143 L.F.	1.1% 4.4% 1.1%
DMH 19	499.3	INV. IN = 492.70 FROM DMH 20 INV. IN = 496.00 FROM ACO CB SW INV. IN = 494.50 FROM T&F CP SW INV. OUT = 492.00 TO DMH 18A	15" HDPE 6" HDPE 15" HDPE 24" HDPE	89 L.F. 36 L.F. 40 L.F. 142 L.F.	1.0% 4.4% 3.8% 1.1%
DMH 20	498.3	INV. IN = 493.60 FROM DMH 21 INV. OUT = 493.60 TO DMH 19	15" HDPE 15" HDPE	106 L.F. 89 L.F.	1.0% 1.0%
DMH 21	498.6	INV. IN = 494.70 FROM DMH 22 INV. OUT = 494.70 TO DMH 20	15" HDPE 15" HDPE	50 L.F. 106 L.F.	1.2% 1.0%
DMH 22	499.7	INV. IN = 495.60 FROM CB 23 INV. IN = 496.20 FROM ACO CB S INV. OUT = 495.30 TO DMH 21	12" HDPE 6" HDPE 15" HDPE	89 L.F. 31 L.F. 50 L.F.	1.0% 4.5% 1.2%
ES 1	465.2	INV. IN = 463.00 FROM OS 1.2	24" HDPE	70 L.F.	2.9%
ES 2	469.2	INV. IN = 468.00 FROM HDS 3	12" HDPE	21 L.F.	2.9%
ES 14	463.2	INV. IN = 462.50 FROM OS 1.3	24" HDPE	45 L.F.	1.1%
ES 15	468.8	INV. IN = 466.00 FROM FS 4	30" HDPE	31 L.F.	9.7%
F TO DI 8B		INV. OUT = 482.70 TO CB 8	18" HDPE	46 L.F.	1.3%
FS 4	474.3	INV. IN = 469.40 FROM CB 5 INV. OUT = 469.40 TO HDS 3 INV. OUT = 469.00 TO ES 15	30" HDPE 12" HDPE 30" HDPE	182 L.F. 28 L.F. 31 L.F.	3.2% 2.9% 9.7%
HDS 3	474.0	INV. IN = 468.60 FROM FS 4 INV. OUT = 468.60 TO ES 2	12" HDPE 12" HDPE	28 L.F. 21 L.F.	2.9% 2.9%
OS 1.2	473.0	INV. OUT = 465.00 TO ES 1	24" HDPE	70 L.F.	2.9%
OS 1.3	469.0	INV. OUT = 463.00 TO ES 14	24" HDPE	45 L.F.	1.1%
SC DRAIN		INV. OUT = 497.90 TO ACO CB S	4" HDPE	17 L.F.	1.8%
SV EX DI	506.1	INV. IN = 501.30 FROM DI 24	12" HDPE	14 L.F.	1.4%
T&F CP NE		INV. OUT = 496.00 TO DMH 9	15" HDPE	34 L.F.	3.5%
T&F CP NW		INV. OUT = 496.00 TO DMH 18	15" HDPE	40 L.F.	3.8%
T&F CP SE		INV. OUT = 496.00 TO DI 11B	15" HDPE	43 L.F.	1.2%
T&F CP SW		INV. OUT = 496.00 TO DMH 19	15" HDPE	40 L.F.	3.8%
UD	497.6	INV. OUT = 497.50 TO DI 11B	6" HDPE	82 L.F.	1.7%
UD LJ	498.2	INV. OUT = 497.60 TO DI 16A	6" HDPE	65 L.F.	2.0%
UD PV		INV. OUT = 497.60 TO DI 16A	6" HDPE	128 L.F.	1.0%



LEGEND

- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- 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 TREELINE
- EXISTING UNDERSTORY/SHRUB LINE
- EXISTING 5' CONTOUR
- EXISTING 1' CONTOUR
- EXISTING SPOT GRADE
- EXISTING MANHOLE (type unidentified)
- EXISTING CATCH BASIN
- NEW 10' CONTOUR
- NEW 2' CONTOUR
- NEW SPOT ELEVATION
- NEW TOP OF CURB & BOTTOM OF CURB ELEVATIONS
- NEW TOP OF WALL & BOTTOM OF WALL ELEVATIONS
- NEW SEWER MANHOLE
- NEW DRAINAGE MANHOLE
- NEW CATCH BASIN
- NEW OUTLET STRUCTURE
- NEW END SECTION WITH RIPRAP VELOCITY DISSIPATER
- NEW DRAINAGE PIPE
- NEW SEWER MAIN
- NEW UNDERDAIN
- NEW PANEL DRAIN
- NEW COLLECTOR PIPE
- NEW GRASS SWALE
- PITCH TO DRAIN
- NEW CLEAN OUT

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

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.

ENGINEERING AND SURVEYING BY:
INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, New York 10512
(845) 225-4949
(845) 225-8977 fax
www.insite-ny.com
INSITE PROJECT# 23149.100

FULLER D'ANGELO P.C.
ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
www.fullerdangelo.com

Copyright 2024 All Rights Reserved by FULLER D'ANGELO P.C.

STATE OF NEW YORK
JOHN M. WATSON
No. 127931
LICENSED PROFESSIONAL ENGINEER

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

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
RECENTLY VACATED: SYNTHETIC FIELD & RECENTLY VACATED: TRACK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
GRADING AND UTILITIES PLAN

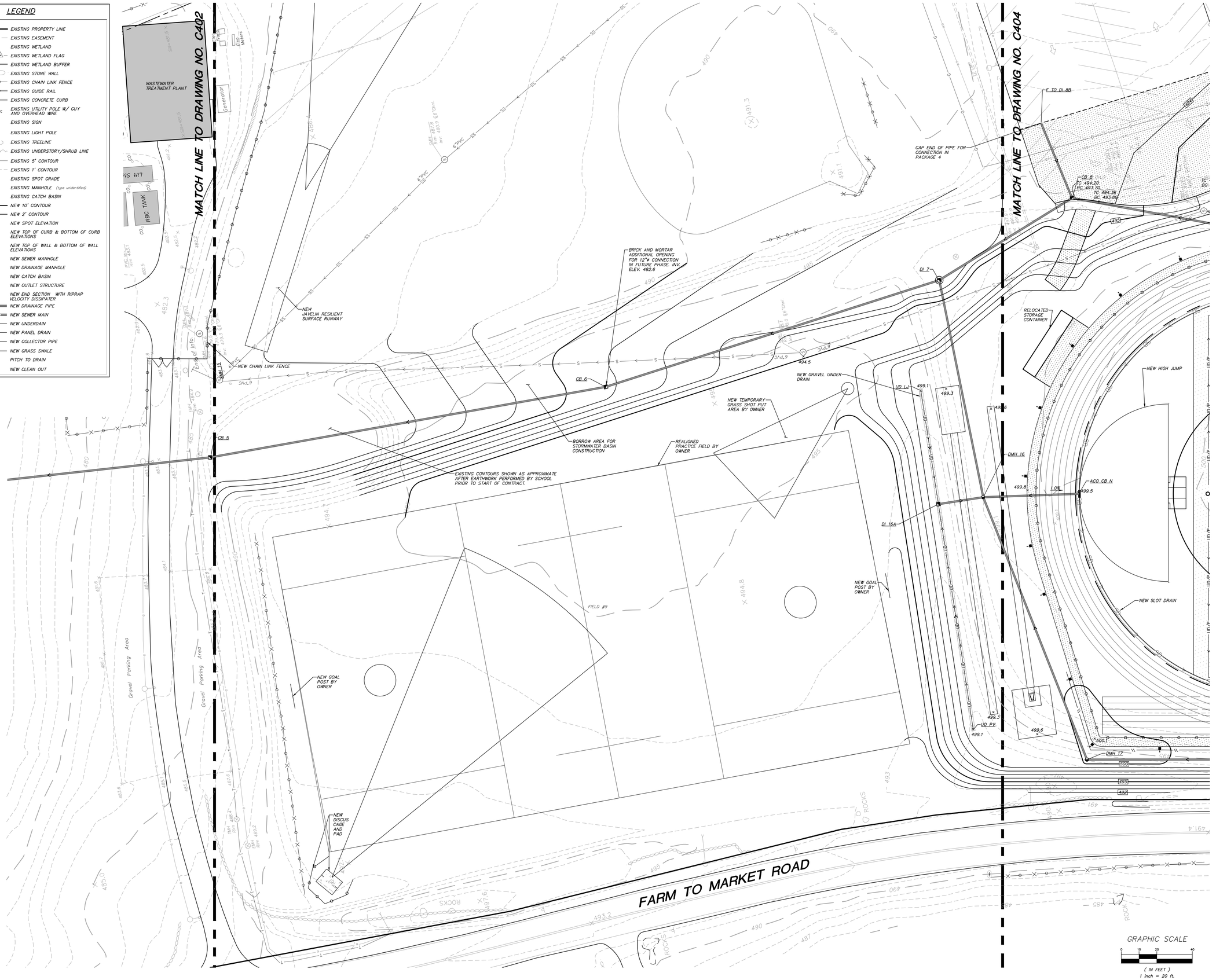
DATE	ISSUED TO
04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: BHS C401
SCALE: 1"=20'
DRAWN BY: TSM
FILE NO.: 23505.01

PLOT DATE: April 17, 2024 - 7:29am
Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C401-C404.dwg, 4/17/2024 7:29:23 AM, Hans.t.t
FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C401-C404.dwg

LEGEND

- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- 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 TREELINE
- EXISTING UNDERSTORY/SHRUB LINE
- EXISTING 5' CONTOUR
- EXISTING 1' CONTOUR
- EXISTING SPOT GRADE
- EXISTING MANHOLE (type unidentified)
- EXISTING CATCH BASIN
- NEW 10' CONTOUR
- NEW 2' CONTOUR
- NEW SPOT ELEVATION
- NEW TOP OF CURB & BOTTOM OF CURB ELEVATIONS (TC 485.0 / BC 484.5)
- NEW TOP OF WALL & BOTTOM OF WALL ELEVATIONS (TW 105.0 / BW 100.0)
- NEW SEWER MANHOLE
- NEW DRAINAGE MANHOLE
- NEW CATCH BASIN
- NEW OUTLET STRUCTURE
- NEW END SECTION WITH RIPRAP VELOCITY DISSIPATER
- NEW DRAINAGE PIPE
- NEW SEWER MAIN
- NEW UNDERDRAIN
- NEW PANEL DRAIN
- NEW COLLECTOR PIPE
- NEW GRASS SWALE
- PITCH TO DRAIN
- NEW CLEAN OUT



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.

ENGINEERING AND SURVEYING BY:

INSITE ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.

3 Garrett Place
Carmel, NY 10512
(845) 225-9692
(845) 225-9977 fax
www.insite-ny.com

INSITE PROJECT# 23149.100

FULLER D'ANGELO P.C. ARCHITECTS PLANNERS

48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.3444 FAX 914.592.1717
www.fullerdangelo.com

Copyright 2024 by Fuller D'Angelo P.C.

STATE OF NEW YORK
JOHN M. WATSON
No. 77959
LICENSED PROFESSIONAL ENGINEER

LICENSE: PGR / DATE: 11-31-2026
CERT. NO: 2438573

S.E.D. CONTROL NUMBER:

BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

DRAWING TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
RECURVED WORK TABLE: SYNTHETIC FIELD & ATHLETIC TRACK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE:
ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
GRADING AND UTILITIES PLAN

DATE	ISSUED TO
04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"	DRAWING NO.: BHS C402
SCALE: 1"=20'	
DRAWN BY: TSM	FILE NO.: 23505.01

PLOT DATE: April 19, 2024 - 12:48pm

Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C401-C404.dwg, 4/19/2024 12:48:38 PM, archvision 11

FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C401-C404.dwg

MATCH LINE TO DRAWING NO. C403

MATCH LINE TO DRAWING NO. C405

FIELD LAYOUT NOTES

1. Soccer Markings Are 4" Yellow NFHS Standards.
2. Boy's Lacrosse Marking Are 4" Reflex Blue NFHS Standards.
3. Girl's Lacrosse Markings Are 4" Black NFHS Standards.
4. Football Markings Are 4" White NFHS Standards.
5. Field Hockey Markings Are 4" Red NFHS Standards.

LEGEND

- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- 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 TREELINE
- EXISTING UNDERSTORY/SHRUB LINE
- EXISTING 5' CONTOUR
- EXISTING 1' CONTOUR
- EXISTING SPOT GRADE
- EXISTING MANHOLE (type unidentified)
- EXISTING CATCH BASIN
- NEW 10' CONTOUR
- NEW 2' CONTOUR
- NEW SPOT ELEVATION
- NEW TOP OF CURB & BOTTOM OF CURB ELEVATIONS
- NEW TOP OF WALL & BOTTOM OF WALL ELEVATIONS
- NEW SEWER MANHOLE
- NEW DRAINAGE MANHOLE
- NEW CATCH BASIN
- NEW OUTLET STRUCTURE
- NEW END SECTION WITH RIPRAP VELOCITY DISSIPATER
- NEW DRAINAGE PIPE
- NEW SEWER MAIN
- NEW UNDERDRAIN
- NEW PANEL DRAIN
- NEW COLLECTOR PIPE
- NEW GRASS SWALE
- NEW PITCH TO DRAIN
- NEW CLEAN OUT

CURB RAMP NOTES:

Per curb ramps shown on the drawings herein: Contractor shall frame curb ramps in field per given parameters. Landscape Architect and Engineer to inspect in field and verify before pour.

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.

ENGINEERING AND SURVEYING BY:
INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, New York 10512
(845) 225-4949
(845) 225-8977 fax
www.insite-ny.com

INSITE PROJECT# 23149.100

FULLER D'ANGELO P.C.
ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
www.fullerdangelo.com

Copyright 2024 Fuller D'Angelo, P.C. (F&D)

STATE OF NEW YORK — JOHN M. WATSON — No. 77951 — LICENSED PROFESSIONAL ENGINEER

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

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE:
ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
GRADING AND UTILITIES PLAN

DATE	ISSUED TO
04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	C.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: BHS C403
SCALE: 1"=20'
DRAWN BY: TSM
FILE NO.: 23505.01

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

PLOT DATE: April 18, 2024 - 5:00pm
FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C401-C404.dwg
Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C401-C404.dwg, 4/18/2024 5:00:23 PM, archieben.11

LEGEND

- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- 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 TREELINE
- EXISTING UNDERSTORY/SHRUB LINE
- EXISTING 5' CONTOUR
- EXISTING 1' CONTOUR
- EXISTING SPOT GRADE
- EXISTING MANHOLE (type unidentified)
- EXISTING CATCH BASIN
- NEW 10' CONTOUR
- NEW 2' CONTOUR
- NEW SPOT ELEVATION
- NEW TOP OF CURB & BOTTOM OF CURB ELEVATIONS
- NEW TOP OF WALL & BOTTOM OF WALL ELEVATIONS
- NEW SEWER MANHOLE
- NEW DRAINAGE MANHOLE
- NEW CATCH BASIN
- NEW OUTLET STRUCTURE
- NEW END SECTION WITH RIPRAP VELOCITY DISSIPATER
- NEW DRAINAGE PIPE
- NEW SEWER MAIN
- NEW UNDERDRAIN
- NEW PANEL DRAIN
- NEW COLLECTOR PIPE
- NEW GRASS SWALE
- PITCH TO DRAIN
- NEW CLEAN OUT

CURB RAMP NOTES:

Per curb ramps shown on the drawings herein: Contractor shall frame curb ramps in field per given parameters. Landscape Architect and Engineer to inspect in field and verify before pour.

GRAPHIC SCALE

0 10 20 40

(IN FEET)
1 inch = 20 ft.

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.

ENGINEERING AND SURVEYING BY:

INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225-9692
(845) 225-8977 fax
www.insite-ny.com

INSITE PROJECT# 23149.100

FULLER D'ANGELO P.C.
ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX. 914.592.1717
www.fullerdangelo.com

Copyright 2024 © Fuller D'Angelo, P.C.

STATE OF NEW YORK
JOHN M. WATSON
LICENSED PROFESSIONAL ENGINEER
No. 77960

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

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
RELOCATED TURF FIELD, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE:
ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
GRADING AND UTILITIES PLAN

DATE	ISSUED TO
04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: BHS C404
SCALE: 1"=20'
DRAWN BY: TSM
FILE NO.: 23505.01

PLOT DATE: April 17, 2024 - 2:56pm
Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C401-C404.dwg, 4/17/2024 2:56:21 PM, archeribon, 1:1

FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C401-C404.dwg

LEGEND

- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- 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 LIGHT POLE
- EXISTING 5' CONTOUR
- EXISTING 1' CONTOUR
- EXISTING SPOT GRADE
- EXISTING MANHOLE (type unidentified)
- EXISTING CATCH BASIN
- NEW 10' CONTOUR
- NEW 2' CONTOUR
- NEW SPOT ELEVATION
- NEW TOP OF CURB & BOTTOM OF CURB ELEVATIONS
- NEW TOP OF WALL & BOTTOM OF WALL ELEVATIONS
- NEW SEWER MANHOLE
- NEW DRAINAGE MANHOLE
- NEW CATCH BASIN
- NEW OUTLET STRUCTURE
- NEW END SECTION
- NEW DRAINAGE PIPE
- NEW SEWER MAIN
- NEW UNDERDAIN
- NEW PANEL DRAIN
- NEW COLLECTOR PIPE
- NEW GRASS SWALE
- 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 DRAINAGE STRUCTURE W/ INLET PROTECTION
- TEMPORARY BYPASS SWALE

LIMIT OF DISTURBANCE:

1. *The proposed limit of disturbance for Package 1 is 9.7 acres.*

1-1 *PACKAGE 1 – PHASE 1: (5.0 ac)*

1. *Schedule a pre construction meeting with NYSDEP, Design Engineer and school*
2. *Install stabilized construction accesses and silt fence in accordance with the notes and details at location shown on drawing.*
3. *Contractor shall fell noted trees within the project limits of disturbance, but no grubbing shall take place until that phase of construction has commenced.*
4. *Grub trees within the limits of this phase.*
5. *Construct and stabilize proposed temporary sediment trap including outlet structures in accordance with the notes and details.*
6. *Install proposed piping and drainage structures with inlet protection from temporary sediment trap to proposed track and field. Begin removal of existing track.*
7. *Begin mass earthwork operations for the proposed track and field, within the limits of the phase. Direct all stormwater runoff from the disturbed areas to the temporary sediment trap.*
8. *Install utilities within the limits of the phase.*
9. *Install turf field subbase and associated drainage within the limits of the phase.*
10. *Install track and field.*
11. *Upon completion of all grading operations topsoil, seed, and mulch any and all remaining disturbed areas as soon as practical in accordance with the sedimentation and erosion control notes. Package 1 – Phase 1 must be stabilized prior to the commencement of Package 1 – Phase 2.*

1-2 *PACKAGE 1 – PHASE 2: (4.7 ac)*

1. *Install erosion control measures shown on the plan in accordance with the details.*
2. *Grub trees within the limits of this phase.*
3. *Begin mass earthwork operations within the limits of the phase. Direct all stormwater runoff from the disturbed areas to the temporary sediment traps.*
4. *Install drainage pipes and structures with inlet protection as shown within the limits of the phase.*
5. *Install utilities within the limits of the phase.*
6. *Install gravel subbase in the proposed paved areas.*
7. *Install final paving with the limits of all phases.*
8. *Upon completion of all grading operations topsoil, seed, and mulch any and all disturbed areas as soon as practical in accordance with the sedimentation and erosion control notes.*
9. *When stabilization of all contributing areas from package 1 is achieved, convert the temporary sediment trap to the proposed stormwater management practice per the notes and details, including removing any deposited sediment, excavate bottom of basin to final grade, and stabilize.*
10. *Construct the proposed infiltration basin. When installed, pipes contributing to infiltration systems shall be plugged until all contributing areas have been stabilized.*
11. *Upon final stabilization of the infiltration basin and all contributing areas upstream of the infiltration basin remove plugs to direct stormwater to infiltration basin.*
12. *Remove all temporary erosion and sediment control facilities associated with Package 1 once final stabilization is achieved. Final stabilization is achieved when all soil disturbance activities have ceased and a uniform, perennial vegetation cover with a density of 80% or greater over the entire pervious surface has been established; or other equivalent stabilization measures, such as permanent landscape mulch, rip-rap or washed/crushed stone have been applied on all disturbed areas that are not covered by permanent structures, concrete or pavement.*

GRAPHIC SCALE

0 10 20 40

(IN FEET)

1 inch = 20 ft.

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.

ENGINEERING AND SURVEYING BY:

INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225-9692
(845) 225-9717 fax
www.insite-eng.com

INSITE PROJECT# 23149.100

FULLER D'ANGELO P.C.
ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
www.fullerdangelo.com

Copyright 2024 © Fuller D'Angelo P.C. (F&D)

STATE OF NEW YORK
CURTIS M. WATSON
098-77939
LICENSED PROFESSIONAL ENGINEER

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

S.E.D. CONTROL NUMBER:

BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
RELOCATED VARSITY FIELD & SYNTHETIC FIELD
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
EROSION AND SEDIMENT CONTROL PLAN

DATE	ISSUED TO
04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	C.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"	DRAWING NO. BHS C501
SCALE 1"=20'	
DRAWN BY TSM	FILE NO. 23505.01

PLOT DATE: April 17, 2024 - 11:15pm

Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C501-C504.dwg, 4/17/2024 11:15:48 AM, nurfer, 11

FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C501-C504.dwg

LEGEND

- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- 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 LIGHT POLE
- 500 — EXISTING 5' CONTOUR
- EXISTING 1' CONTOUR
- 698.6 × MH — EXISTING SPOT GRADE
- EXISTING MANHOLE (type unidentified)
- EXISTING CATCH BASIN
- 510 — NEW 10' CONTOUR
- NEW 2' CONTOUR
- 409.8 / ×409.8 — NEW SPOT ELEVATION
- TC 485.0 / BC 484.5 — NEW TOP OF CURB & BOTTOM OF CURB ELEVATIONS
- TW 105.0 / BW 100.0 — NEW TOP OF WALL & BOTTOM OF WALL ELEVATIONS
- NEW SEWER MANHOLE
- NEW DRAINAGE MANHOLE
- NEW CATCH BASIN
- NEW OUTLET STRUCTURE
- NEW END SECTION
- NEW DRAINAGE PIPE
- NEW SEWER MAIN
- UD — NEW UNDERDRAIN
- UD/P — NEW PANEL DRAIN
- NEW COLLECTOR PIPE
- NEW GRASS SWALE
- PTD — PITCH TO DRAIN
- SF — NEW SILT FENCE
- CF — NEW CONSTRUCTION FENCE
- NEW STONE RIP-RAP
- NEW LIMITS OF DISTURBANCE
- TSS / SF — NEW TEMPORARY SOIL STOCKPILE
- NEW STABILIZED CONSTRUCTION ENTRANCE
- NEW DRAINAGE STRUCTURE W/ INLET PROTECTION
- TEMPORARY BYPASS SWALE

MATCH LINE TO DRAWING NO. C502

MATCH LINE TO DRAWING NO. C504

WASTEWATER TREATMENT PLANT

Gravel Parking Area

NEW LIMIT OF DISTURBANCE (TYP.) (9.7 AC.±)

NEW JAVELIN RESILIENT SURFACE RUNWAY

NEW SILT FENCE (TYP.)

NEW CHAIN LINK FENCE

INSTALL THIS SECTION AFTER EXCAVATION COMPLETE

NEW INLET PROTECTION (TYP.)

NEW TEMPORARY STABILIZED CONSTRUCTION ENTRANCE

RELOCATED STORAGE CONTAINER

NEW TEMPORARY GRASS SHOT PUT AREA BY OWNER

REALIGNED PRACTICE FIELD BY OWNER

NEW HIGH JUMP

NEW GOAL POST BY OWNER

FIELD #9

NEW GOAL POST BY OWNER

NEW DISCUS CAGE AND PAD

FARM TO MARKET ROAD

GRAPHIC SCALE

0 10 20 40

(IN FEET)

1 inch = 20 ft.

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.

ENGINEERING AND SURVEYING BY:

INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, New York 10512
(845) 225-9692
(845) 225-8977 fax
www.insite-eng.com

INSITE PROJECT#: 23149.100

FULLER D'ANGELO P.C.
ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
www.fullerdangelo.com

Copyright 2024 by Fuller D'Angelo P.C.

STATE OF NEW YORK — EDWIN M. WATSON — No. 77955 — LICENSED PROFESSIONAL ENGINEER

LICENSE EXPIRATION: 01-31-2026
CERT. NO.: 2436573

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT/SITE
NEW YORK CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
RELOCATED ARTIFICIAL TURF FIELD & NEW SYNTHETIC TRACK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
EROSION AND SEDIMENT CONTROL PLAN

DATE	ISSUED TO
04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	C.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: BHS C502
SCALE: 1"=20'
DRAWN BY: TSM
FILE NO.: 23505.01

PLOT DATE: April 19, 2024 - 12:47pm

Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C501-C504.dwg, 4/19/2024 12:47:32 PM, mcfarlane, 1:1

FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C501-C504.dwg

MATCH LINE TO DRAWING NO. C503

MATCH LINE TO DRAWING NO. C505

BREWSTER HIGH SCHOOL

NEW CONCRETE SIDEWALK

NEW TEMPORARY CONCRETE WASHOUT

NEW TEMPORARY STABILIZED CONSTRUCTION ENTRANCE

NEW PARKING LOT A

NEW PARKING LOT B

NEW INLET PROTECTION (TYP.)

NEW TEMPORARY STABILIZED CONSTRUCTION ENTRANCE

RELOCATED STORAGE CONTAINER

NEW HIGH JUMP

FIELD #8
NEW SYNTHETIC TURF FIELD

NEW STEEPLECHASE PIT

NEW ASPHALT PARKING LOT C (ADD/ALT 3-1)

PROPOSED SILT FENCE (TYP)

FARM TO MARKET ROAD

FOGGINTOWN ROAD

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

LEGEND

- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- 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 LIGHT POLE
- EXISTING 5' CONTOUR
- EXISTING 1' CONTOUR
- EXISTING SPOT GRADE
- EXISTING MANHOLE (type unidentified)
- EXISTING CATCH BASIN
- NEW 10' CONTOUR
- NEW 2' CONTOUR
- NEW SPOT ELEVATION
- NEW TOP OF CURB & BOTTOM OF CURB ELEVATIONS
- NEW TOP OF WALL & BOTTOM OF WALL ELEVATIONS
- NEW SEWER MANHOLE
- NEW DRAINAGE MANHOLE
- NEW CATCH BASIN
- NEW OUTLET STRUCTURE
- NEW END SECTION
- NEW DRAINAGE PIPE
- NEW SEWER MAIN
- NEW UNDERDRAIN
- NEW PANEL DRAIN
- NEW COLLECTOR PIPE
- NEW GRASS SWALE
- 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 DRAINAGE STRUCTURE W/ INLET PROTECTION
- TEMPORARY BYPASS SWALE

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.

ENGINEERING AND SURVEYING BY:
INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, New York 10512
(845) 225-4949
(845) 225-4977 fax
www.insite-eng.com

INSITE PROJECT#: 23149.100

FULLER D'ANGELO P.C.
ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
www.fullerdangelo.com

Copyright 2024 by Fuller D'Angelo P.C.

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

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

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
RELOCATABLE STRUCTURE, SYNTHETIC FIELD & FACILITY WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE:
ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
EROSION AND SEDIMENT CONTROL PLAN

DATE	ISSUED TO
04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	C.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: BHS C503
SCALE: 1"=20'
DRAWN BY: TSM
FILE NO.: 23505.01

PLOT DATE: April 19, 2024 - 12:41pm
Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C501-C504.dwg, 4/19/2024 12:41:41 PM, archembler, 1:1
FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C501-C504.dwg

LEGEND

- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- 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 LIGHT POLE
- EXISTING 5' CONTOUR
- EXISTING 1' CONTOUR
- EXISTING SPOT GRADE
- EXISTING MANHOLE (type unidentified)
- EXISTING CATCH BASIN
- NEW 10' CONTOUR
- NEW 2' CONTOUR
- NEW SPOT ELEVATION
- NEW TOP OF CURB & BOTTOM OF CURB ELEVATIONS
- NEW TOP OF WALL & BOTTOM OF WALL ELEVATIONS
- NEW SEWER MANHOLE
- NEW DRAINAGE MANHOLE
- NEW CATCH BASIN
- NEW OUTLET STRUCTURE
- NEW END SECTION
- NEW DRAINAGE PIPE
- NEW SEWER MAIN
- NEW UNDERDAIN
- NEW PANEL DRAIN
- NEW COLLECTOR PIPE
- NEW GRASS SWALE
- 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 DRAINAGE STRUCTURE W/ INLET PROTECTION
- TEMPORARY BYPASS SWALE

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

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.

ENGINEERING AND SURVEYING BY:
INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225-9692
(845) 225-9697 fax
www.insite-eng.com

INSITE PROJECT# 23149.100

FULLER D'ANGELO P.C.
ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
www.fullerdangelo.com

Copyright 2024 Fuller D'Angelo P.C. (F&D) & INSITE Engineering, Surveying & Landscape Architecture, P.C.

JOHN M. WATSON
No. 27930
LICENSED PROFESSIONAL ENGINEER
STATE OF NEW YORK
LICENSE EXPIRATION DATE: 07-31-2026
CERT. NO: 2438573

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

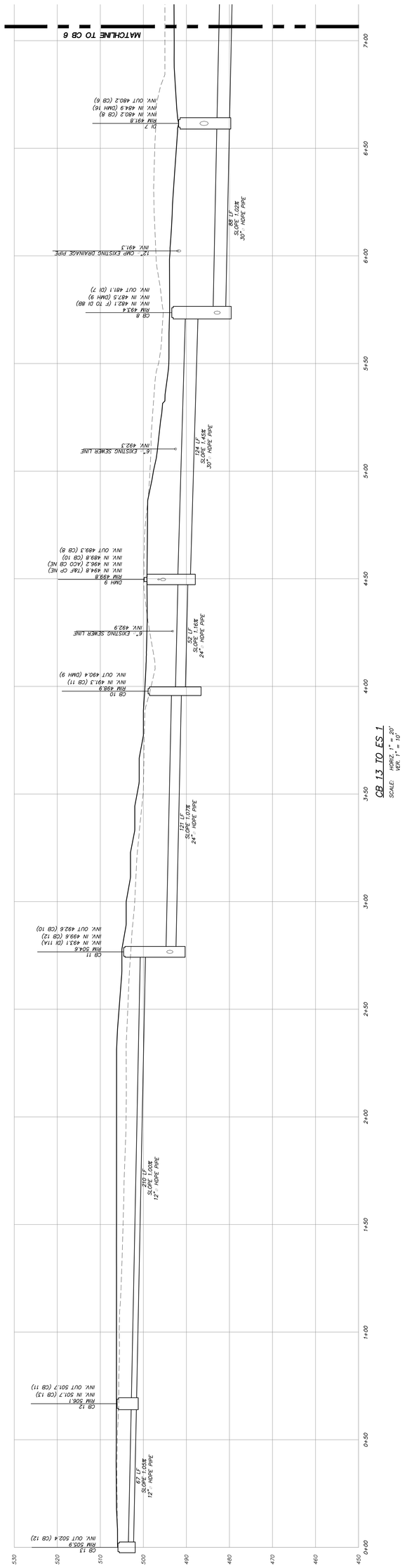
PROJECT TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
RELOCATED WEST ENTRANCE BUS DRIVE, SYNTHETIC FIELD & SECURITY WORKS
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE:
ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
EROSION AND SEDIMENT CONTROL PLAN

DATE	ISSUED TO
04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	C.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

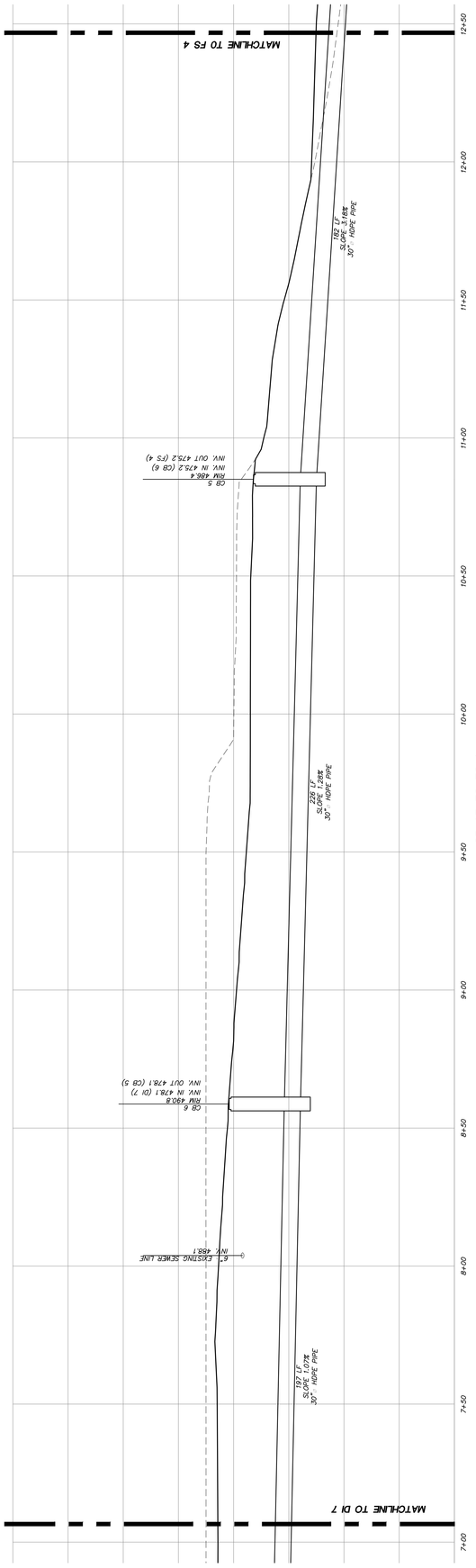
SHEET SIZE: 30"x42"
SCALE: 1"=20'
DRAWN BY: TSM
DRAWING NO.: BHS C504
FILE NO.: 23505.01

PLOT DATE: April 17, 2024 - 3:06pm
Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C501-C504.dwg, 4/17/2024 3:06:37 PM, architect.ctb
FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C501-C504.dwg



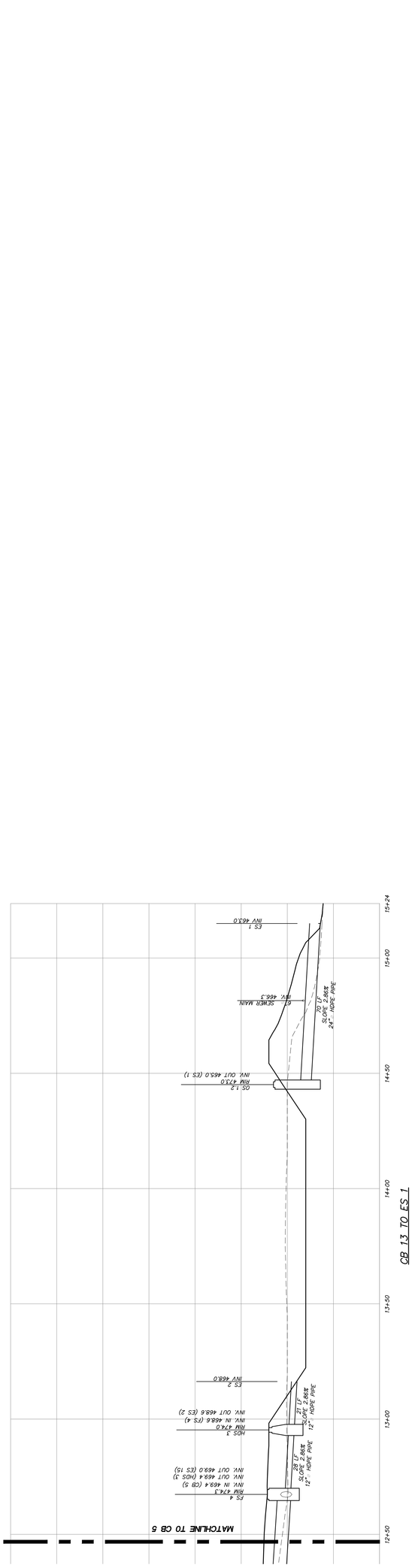
CB 13 TO ES 1

SCALE: HORIZ. 1" = 20'
VER. 1" = 10'



CB 13 TO ES 1

SCALE: HORIZ. 1" = 20'
VER. 1" = 10'



CB 13 TO ES 1

SCALE: HORIZ. 1" = 20'
VER. 1" = 10'

ENGINEERING AND SURVEYING BY:
INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225-9690
(845) 225-9717 fax
www.insite-eng.com

INSITE PROJECT#: 2314.100

AS PER USA 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 PROPERTY AND COPYRIGHT OF F&D. ANY REPRODUCTION WITHOUT THE PRIOR CONSENT OF F&D IS PROHIBITED.

FULLER
D'ANGELO
P.C.
ARCHITECTS
PLANNERS
45 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL 914.592.4444 FAX 914.592.1717
WWW.FULLERDANGELO.COM

Copyright 2023 All Rights Reserved by FULLER & D'ANGELO P.C.

STATE OF NEW YORK
JOHN M. WATSON
PROFESSIONAL ENGINEER
LICENSE NO. 076 043813
CERT. NO. 24-38913
EXPIRES: 01-31-2026

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

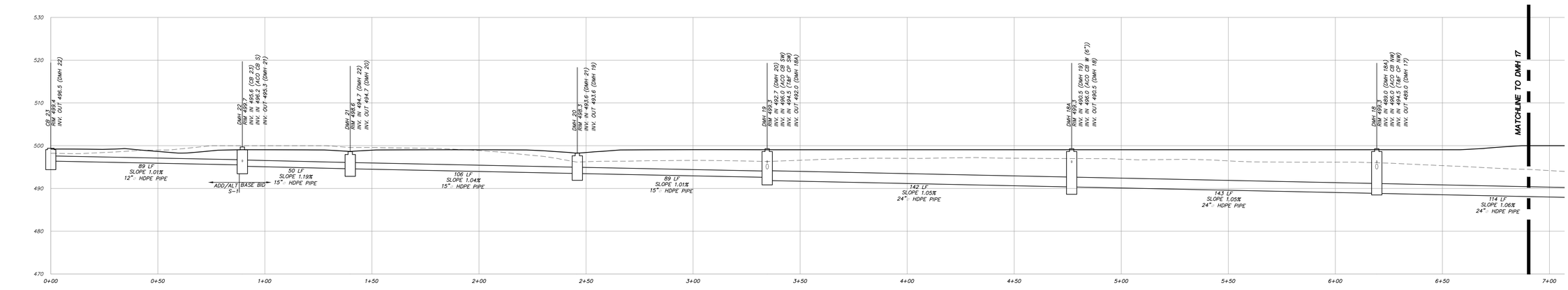
PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER H.S. & ADMINISTRATION BUILDING
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
UTILITY PROFILES

DATE	ISSUED TO
04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	SD SUBMISSION
06-30-2023	SD SUBMISSION
06-13-2023	SD SUBMISSION

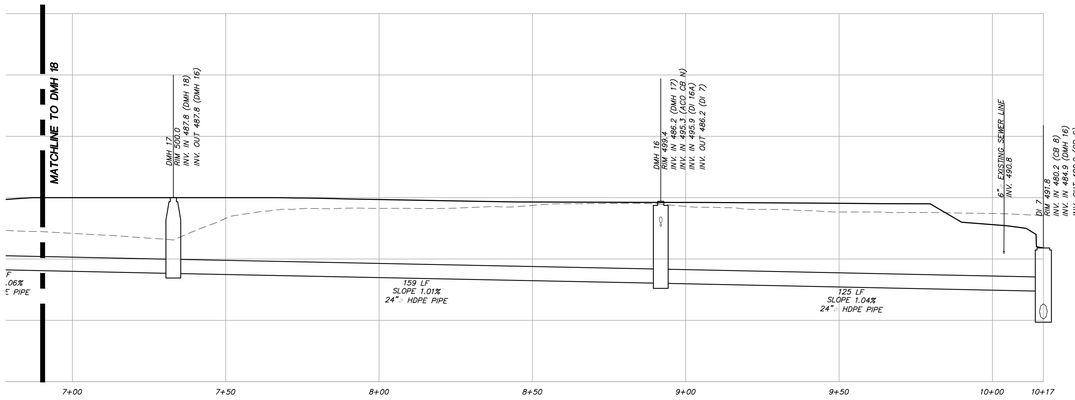
SHEET SIZE: 30"x42"
SCALE: AS SHOWN
DRAWN BY: IB
DRAWING NO.: BHS C601
FILE NO.: 23505.01

PLOT DATE: April 17, 2024 - 11:58am
FILE: Z:\E\23\149100 F&D Brewster CSD\CADD Package 1\BHS C601.dwg
Z:\E\23\49100 F&D Brewster CSD\CADD Package 1\BHS C601.dwg 4/17/2024 11:57:54 AM 1st=1; 1:1



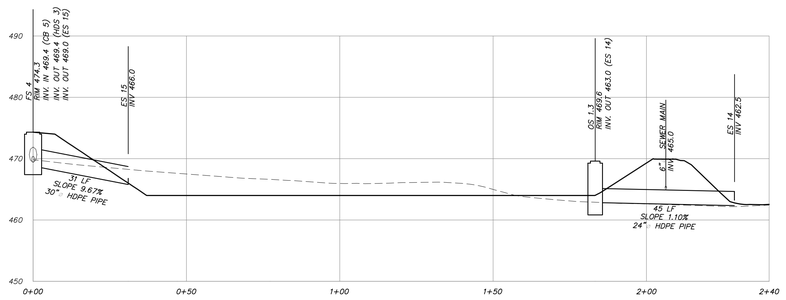
CB 23 TO DI 7

SCALE: HORIZ. 1" = 20'
VER. 1" = 10'



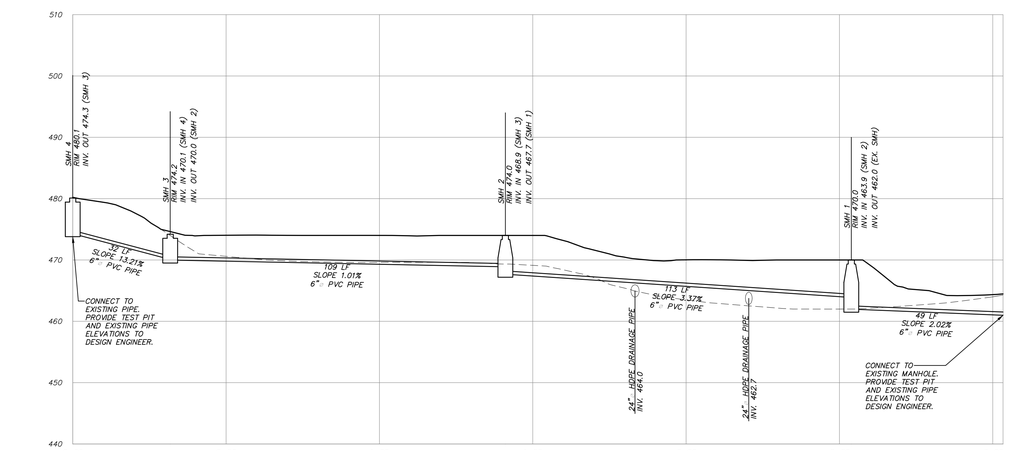
CB 23 TO DI 7

SCALE: HORIZ. 1" = 20'
VER. 1" = 10'



FS 4 TO ES 14

SCALE: HORIZ. 1" = 20'
VER. 1" = 10'



SMH 4 TO EX. SMH

SCALE: HORIZ. 1" = 20'
VER. 1" = 10'

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 PROPERTY OF F&D. ANY REPRODUCTION WITHOUT THE PRIOR CONSENT OF F&D IS PROHIBITED.

ENGINEERING AND SURVEYING BY:
INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, New York 10512
(845) 225-9692
(845) 225-9717 fax
www.insite-ny.com
INSITE PROJECT# 23149.100

FULLER D'ANGELO P.C.
ARCHITECTS PLANNERS
48 KHOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.4444 FAX 914.592.1717
www.fullerdangelo.com

Copyright 2024 Fuller D'Angelo P.C. (AIA/CSI) U.S.A.

STATE OF NEW YORK
JOSEPH M. WATSON
No. 77360
LICENSED PROFESSIONAL ENGINEER

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

S.E.D. CONTROL NUMBER:

BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER H.S. & ADMINISTRATION BUILDING SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

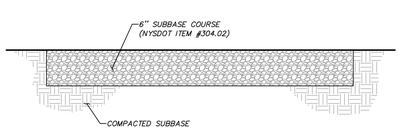
DRAWING TITLE
ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
UTILITY PROFILES

DATE	ISSUED TO
04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	CD SUBMISSION
06-20-2023	SD SUBMISSION
06-13-2023	SD SUBMISSION

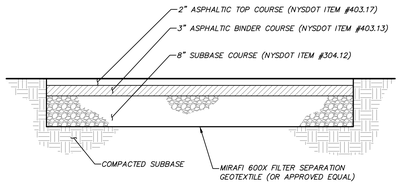
SHEET SIZE: 30"x42"
DRAWING NO.: BHS C602
SCALE: AS SHOWN
DRAWN BY: IB
FILE NO.: 23505.01

PLOT DATE: April 17, 2024 - 11:58am
Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C601.dwg, 4/17/2024 11:58:39 AM, Hertz, 11

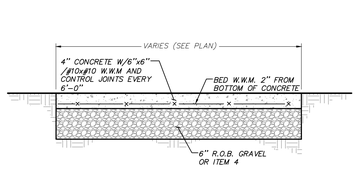
FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C601.dwg



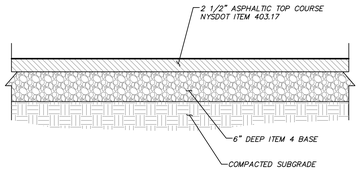
GRAVEL ACCESS DRIVE DETAIL
(N.T.S.)



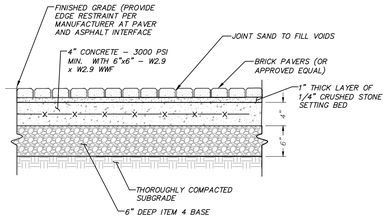
ASPHALT ROADWAY PAVEMENT DETAIL
(N.T.S.)



CONCRETE SIDEWALK DETAIL
(N.T.S.)

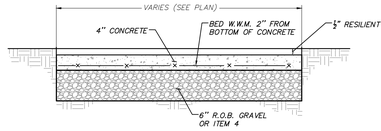


ASPHALT SIDEWALK
(N.T.S.)

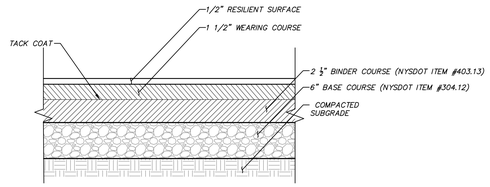


NOTES:
1. PAVERS TO BE SALVAGED MEMORIAL BRICKS SET IN RUNNING BOND PATTERN.
3. NEW BRICK SURROUND COLOR TO MATCH SALVAGED BRICKS.
2. JOINT SAND COLOR TO BE COORDINATED WITH BRICK COLOR.
3. UTILIZE UNILOCK EDGE RESTRAINT BETWEEN THE BRICK BAND ASPHALT AS PER MANUFACTURER'S STANDARDS.

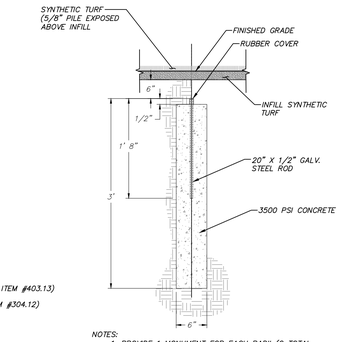
BRICK PAVERS DETAIL
(N.T.S.)



STEEPLECHASE PIT SURFACE DETAIL
(N.T.S.)

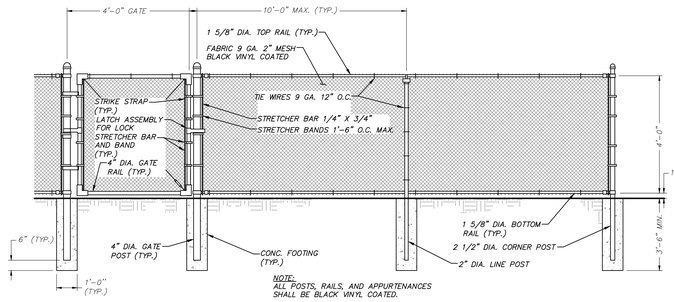


RESILIENT SURFACE OVER ASPHALT PAVEMENT
(N.T.S.)



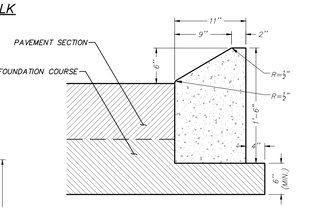
NOTES:
1. PROVIDE 1 MONUMENT FOR EACH RADII (2 TOTAL, SEE LAYOUT PLAN)
2. ALL REBAR TO BE EPOXY COATED (TYP)

MEASURING MONUMENT (TRACK RADII)
(N.T.S.)



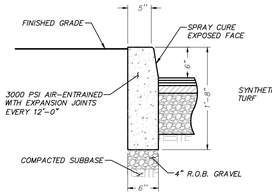
NOTE:
ALL POSTS, RAILS, AND APPURTENANCES SHALL BE BLACK VINYL COATED.

CHAIN LINK FENCE DETAIL
(N.T.S.)

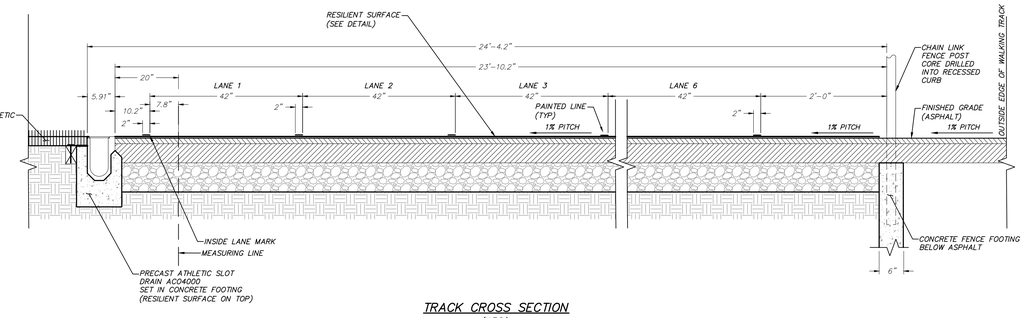


NOTE:
TRANSVERSE JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE CURB 10'-0" APART AND SHALL BE FILLED WITH CELLULAR COMPRESSION MATERIALS AS SPECIFIED, RECESSED 1/4" IN FROM FRONT FACE AND TOP OF CURB.

MOUNTABLE CONCRETE CURB DETAIL
(N.T.S.)

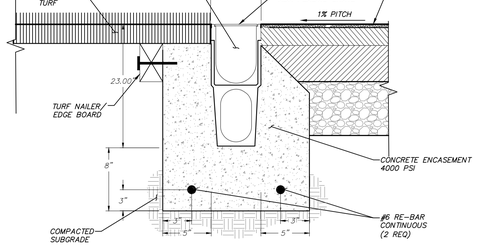


CONCRETE CURB DETAIL
(N.T.S.)



TRACK CROSS SECTION
(N.T.S.)

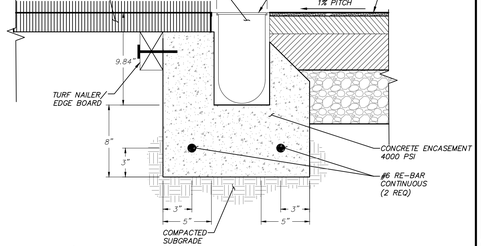
CONCRETE PAD DETAIL
(N.T.S.)



NOTES: TURF NAILER / EDGE BOARD

NOTES: GENERAL
1.ALL RE-BAR TO BE EPOXY COATED (TYP).
2. INFILL TO ALIGN WITH TRACK/SLOT DRAIN SURFACE.
3. TURF NAILER SHALL BE 2" X 4", 100% HIGH DENSITY POLYETHYLENE WITH FIBERGLASS REINFORCEMENT,
4. TAPCON OR RAMSET NAILER TO CONCRETE CURBS EVERY 24" O.C.
5. TURF SHALL BE STAPLED OR FASTENED EVERY 8" O.C. TO NAILER, TO MANUFACTURER STANDARDS

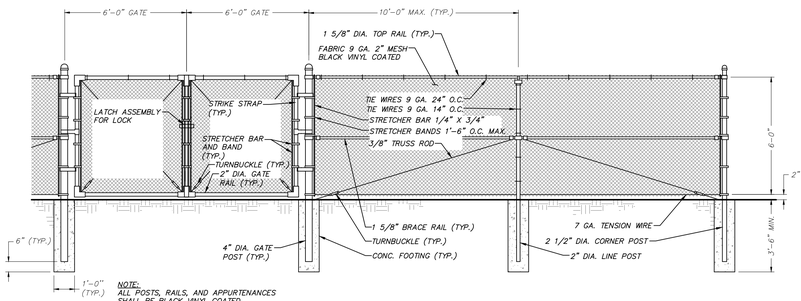
TRACK ATHLETIC SLOT DRAIN CATCH BASIN
(N.T.S.)



NOTES: TURF NAILER / EDGE BOARD

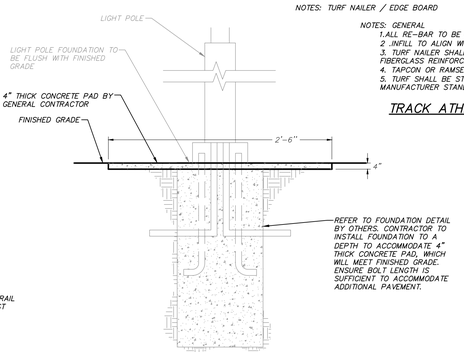
NOTES: GENERAL
1.ALL RE-BAR TO BE EPOXY COATED (TYP).
2. INFILL TO ALIGN WITH TRACK/SLOT DRAIN SURFACE.
3. TURF NAILER SHALL BE 2" X 4", 100# HIGH DENSITY POLYETHYLENE WITH FIBERGLASS REINFORCEMENT,
4. TAPCON OR RAMSET NAILER TO CONCRETE CURBS EVERY 24" O.C.
5. TURF SHALL BE STAPLED OR FASTENED EVERY 8" O.C. TO NAILER, TO MANUFACTURER STANDARDS

TURF AT EDGE OF TRACK ATHLETIC SLOT DRAIN
(N.T.S.)



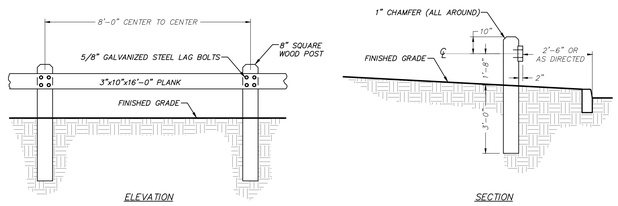
NOTE:
ALL POSTS, RAILS, AND APPURTENANCES SHALL BE BLACK VINYL COATED.

6' TALL CHAIN LINK FENCE DETAIL
(N.T.S.)



NOTES:
1. GENERAL CONTRACTOR TO CONSTRUCT 4" THICK CONCRETE PAD AT LIGHT POLE LOCATIONS.
2. IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO CHECK AND VERIFY ALL ANCHOR BOLT DIMENSIONS (SIZE, BOLT CIRCLE, ETC.) WITH THE CONTRACTOR WHO WILL BE INSTALLING THE LIGHTING STANDARD PRIOR TO INSTALLATION OF THE FOUNDATIONS.

TRACK LIGHT CONCRETE PAD
(N.T.S.)

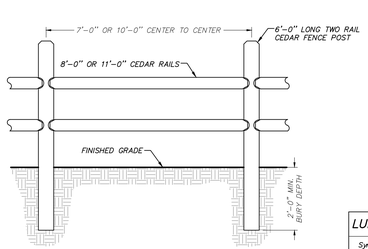


ELEVATION

SECTION

NOTES:
1. ALL WOOD TO BE SEASONED NO.1 DOUGLAS FIR, SOUTHERN YELLOW PINE OR OTHER APPROVED STRUCTURAL LUMBER.
2. ALL WOOD TO BE TREATED WITH AN APPROVED WOOD PRESERVATIVE SUITABLE FOR INSTALLATION IN AND ADJACENT TO GROUND SURFACES.

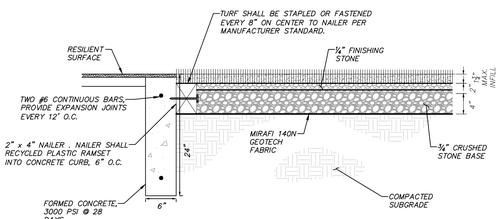
WOOD GUIDERAIL DETAIL
(N.T.S.)



POST AND RAIL FENCE DETAIL
(N.T.S.)

LUMINAIRE SCHEDULE

Sym	Qty	Catalog Number	Description	Lamp	Mounting Height	Watts
■	38	(VF1-L20-750-HF-CU-FVS-VFICS-GREEN)*	VF1 LED VOLTAIRE ARCHITECTURAL FLOODLIGHT - SMALL TRACK LIGHT	LED	10'-6"±	19
▼	3	DSXO LED P1 30K T3M MVOLT	LITHONIA LIGHTING - DSXO LED 3000K TYPE 3 LED	LED	18'-0"	38.0



NOTES:
1. TURF NAILER SHALL BE 2" X 4", 100% HIGH DENSITY POLYETHYLENE AND LOW DENSITY RECYCLED POLYETHYLENE WITH FIBERGLASS REINFORCEMENT, SEE SPEC. SECTION 02543. TAP-CON OR RAMSET NAILER TO CONC. CURB OR SURFACE EVERY 24" ON CENTER. TURF SHALL BE STAPLED OF FASTENED EVERY 8" ON CENTER TO NAILER PER MANUFACTURER STANDARDS.
2. AT EXPANSION JOINTS, PROVIDE TWO #6 BARS 24" LONG, ONE END GREASE AND IN SLEEVE.

SYNTHETIC TURF AT BREWSTER HIGH SCHOOL
(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.

ENGINEERING AND SURVEYING BY:

INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225-4690
(845) 225-8977 fax
www.insite-ny.com

INSITE PROJECT#: 23149.100

FULLER D'ANGELO P.C. ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL: 914.592.2444 FAX: 914.592.1717
www.fullerdangelo.com

Copyright 2024 F. Kevin Brinkerhoff for FULLER & D'ANGELO, P.C.

STATE OF NEW YORK
TIMOTHY M. WATTS
No. 77935
LICENSED PROFESSIONAL ENGINEER
LICENSE EXP. DATE: 07-31-2026
CERT. NO: 2438573

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

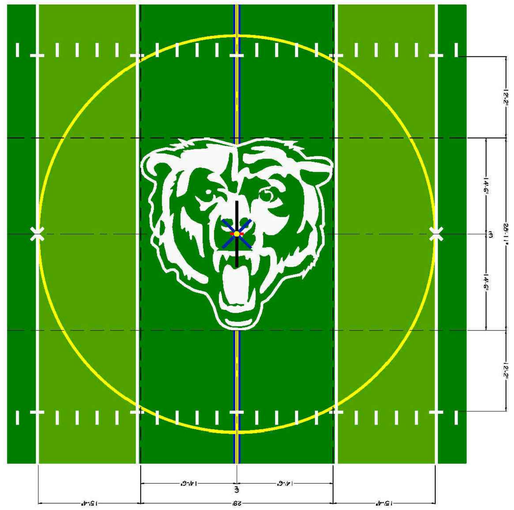
PROJECT TITLE: BREWSTER CENTRAL SCHOOL DISTRICT BREWSTER H.S. & ADMINISTRATION BUILDING SELECTIVE DEMOLITION, NEW ATHLETIC FIELD, SYNTHETIC FIELD & TRACK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE: ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
DETAILS

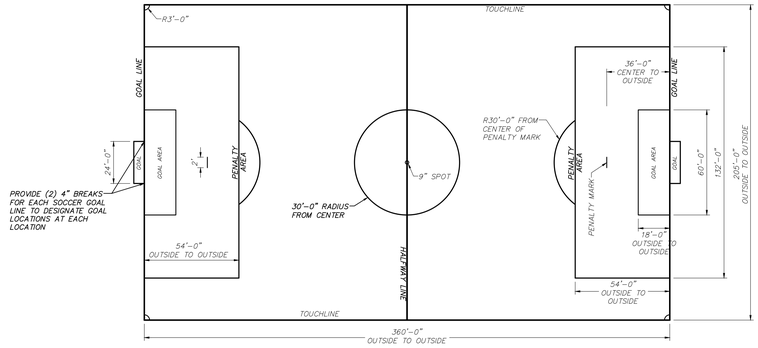
DATE	ISSUED TO
04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	CD SUBMISSION
06-20-2023	SD SUBMISSION
06-13-2023	SD SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: BHS C701
SCALE: AS SHOWN
DRAWN BY: MEU
FILE NO.: 23505.01

PLOT DATE: April 18, 2024 - 4:59pm
Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C701.dwg 4/18/2024 4:59:28 PM, archeritten.11
FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C701.dwg

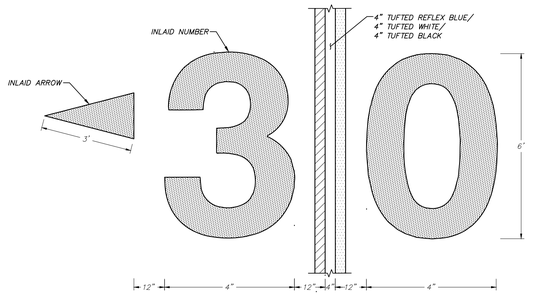


FIELD LOGO DETAIL
(N.T.S.)

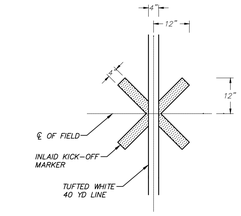


SOCCER FIELD LAYOUT DETAIL
(N.T.S.)

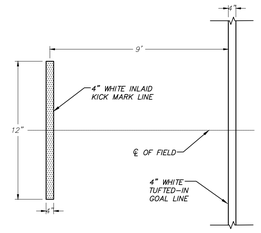
NOTES: SOCCER FIELD LAYOUT
1. ALL DIMENSIONS PER NFSHSA COURT AND FIELD DIAGRAMS UNLESS OTHERWISE NOTED.
2. ALL LINES TO BE YELLOW.
3. ALL LINES ARE TO BE 4" UNLESS OTHERWISE NOTED.
4. CONTRACTOR TO SUBMIT SHOP DRAWING PRIOR TO ORDERING. PROJECT LANDSCAPE ARCHITECT AND SCHOOL TO APPROVE ALL LINE COLORS.



YARDLINE NUMBERS
(N.T.S.)

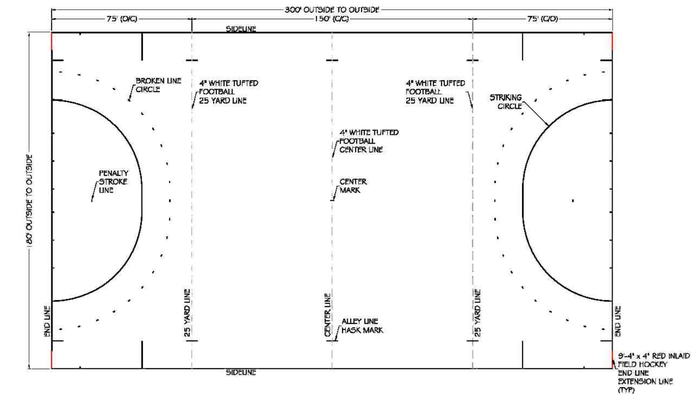


KICK-OFF MARKER
(N.T.S.)

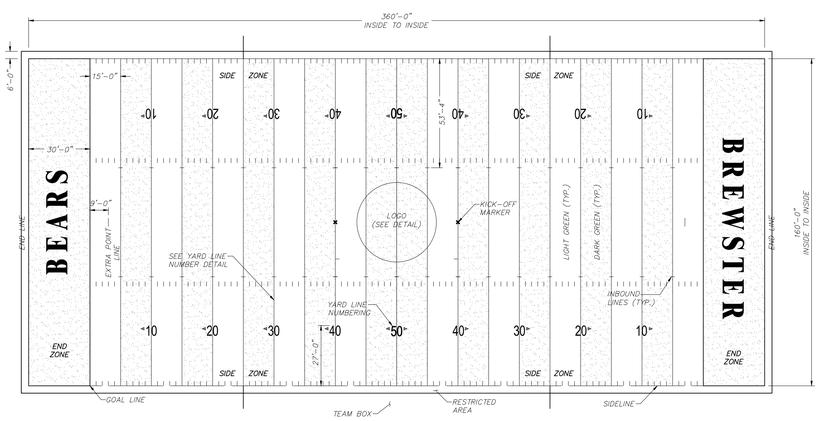


EXTRA POINT LINE
(N.T.S.)

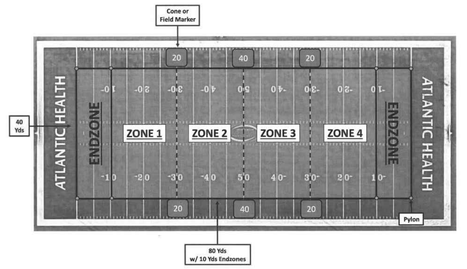
NOTES: GENERAL
1. AT FIELD 8, THE FOOTBALL GOAL POST SHALL BE "ROTATING ADJUSTRIGHT FOOTBALL GOAL 8' OFFSET" FROM SPORTSFIELD SPECIALTIES INC. OR EQUAL. SCHOOL SHALL APPROVE PRIOR TO ORDERING.
2. AT FIELD 9, THE FOOTBALL GOAL POST SHALL BE H-STYLE FOOTBALL GOAL POST, GPH20HS, 20' UPRIGHTS, 23'-4" CROSSBARR WIDTH. SCHOOL SHALL APPROVE PRIOR TO ORDERING.
2. PROVIDE PADS FOR POST.
3. ALL DIMENSIONS PER NFSHSA COURT AND FIELD DIAGRAMS UNLESS OTHERWISE NOTED.
4. ALL LINES TO BE 4" WIDE AND WHITE UNLESS OTHERWISE NOTED.
5. COACHES AREA/RESTRICTED SHALL BE SOLID WHITE.
6. CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS FOR FIELD AND END ZONES, INDICATING ALL DIMENSIONS AND COLORS. PROVIDE COLOR SAMPLES.
7. FIELD SHALL HAVE ALTERNATING DARK GREEN AND LIGHT GREEN AT 5 YD "STRIPES".
8. FIELD END ZONES ARE TO BE AS SELECTED BY ARCHITECT. CONTRACTOR SHALL SUBMIT COLORS/SAMPLES FOR REVIEW.
9. CONTRACTOR SHALL VERIFY ALL DIMENSIONS.
10. ALL LINE WORK IS TO BE LAID OUT WITH A TOLERANCE OF 1/4".
11. THE FOOTBALL FIELD WILL BE LAID OUT WITH 4" WHITE SEWN LINES.
12. FIELD SHALL INCLUDE CUSTOM LOGO AND TEXT IN THE ENDZONE.
13. CONTRACTOR SHALL INCLUDE EQUIPMENT INCLUDING WEIGHTED PYLONS.



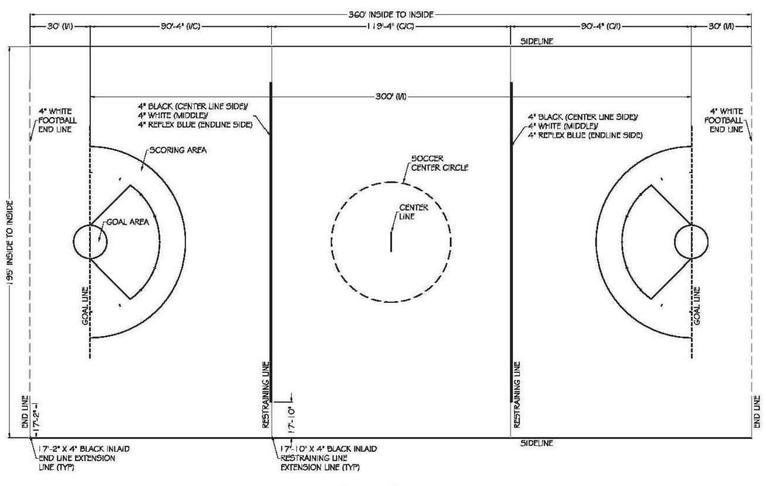
FIELD HOCKEY LAYOUT DETAIL
(N.T.S.)

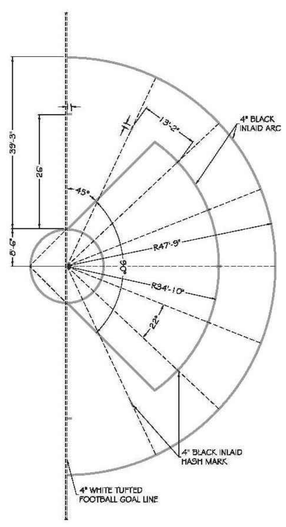


FOOTBALL LAYOUT DETAIL
(N.T.S.)

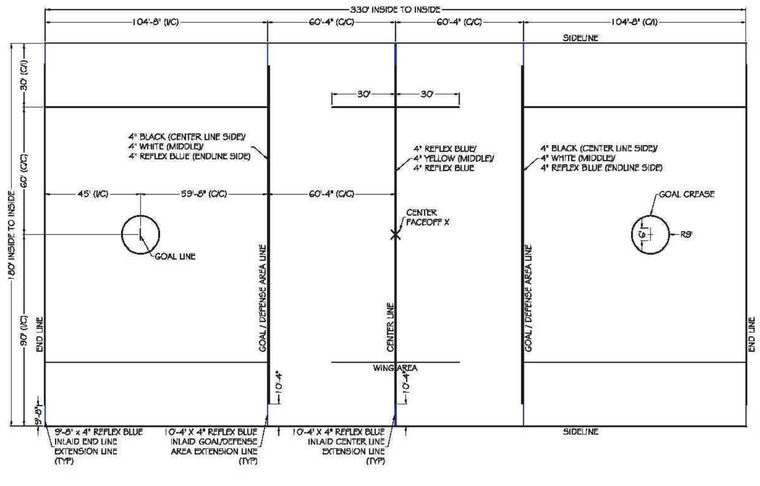


FLAG FOOTBALL LAYOUT DETAIL
(N.T.S.)





GILRS LACROSSE LAYOUT DETAIL
(N.T.S.)



BOYS LACROSSE LAYOUT DETAIL
(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.

ENGINEERING AND SURVEYING BY:
INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, New York 10512
(845) 225-6690
(845) 225-8977 fax
www.insite-eng.com

INSITE PROJECT# 23149.100

FULLER D'ANGELO P.C.
ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
www.fullerdangelo.com

Copyright 2024 by Fuller D'Angelo P.C. and INSITE P.C.

STATE OF NEW YORK
JOHN M. WATSON
No. 27959
LICENSED PROFESSIONAL ENGINEER
LICENSE EXP. DATE: 07-31-2026
CERT. NO: 2438573

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER H.S. & ADMINISTRATION BUILDING
SECURITY VESTIBULE, SYNTHETIC FIELD & ATHLETIC TRACK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
DETAILS

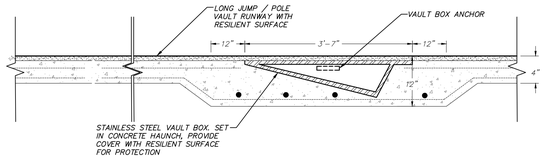
DATE	ISSUED TO
04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	CD SUBMISSION
06-20-2023	SD SUBMISSION
06-13-2023	SD SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: BHS C702
SCALE: AS SHOWN
DRAWN BY: MEU
FILE NO.: 23505.01

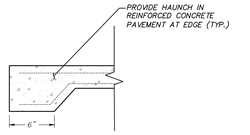
PLOT DATE: April 17, 2024 - 9:31am
Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C701.dwg, 4/17/2024 9:31:52 AM, author: 11

FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C701.dwg

NOTES:
1. ALL RE-BAR SHALL BE EPOXY COATED (TYP).

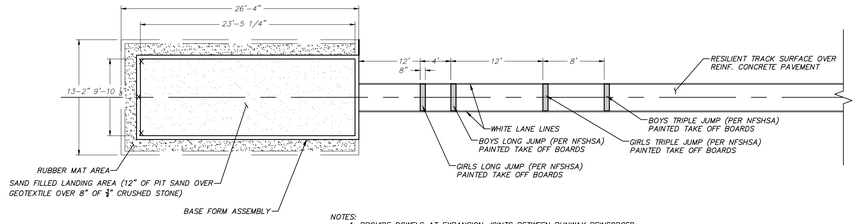


SECTION-POLE VAULT BOX
(N.T.S.)



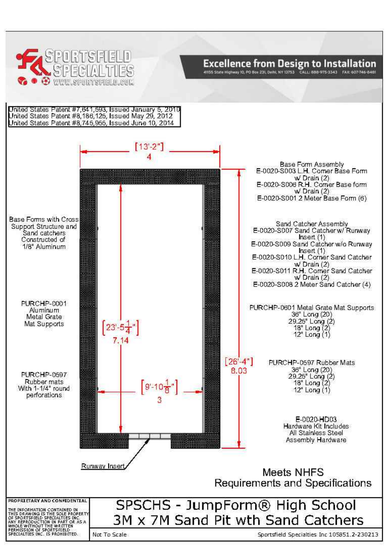
SECTION AT RUNWAY
(N.T.S.)

NOTES:
1. CONTRACTOR SHALL PROVIDE "PLUG" FOR VAULT BOX, MADE OF RESILIENT SURFACE, WITH PRE-MANUFACTURED HANDLES FOR REMOVAL

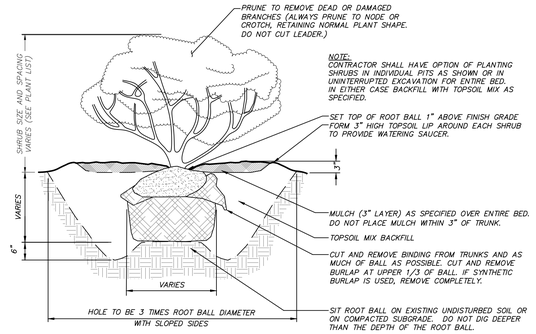


NOTES:
1. PROVIDE DOWELS AT EXPANSION JOINTS BETWEEN RUNWAY REINFORCED CONCRETE PAVEMENT AND SAND PIT CURB.
2. PROVIDE NAILER BOARDS AT SIDES OF REINFORCED CONCRETE PAVEMENT IN TURF AREAS.
3. PROVIDE COMPLETE LONG JUMP SAND PIT ASSEMBLY (AS MANUF. BY SPORTSFIELD SPECIALTIES, OR APPROVED EQUAL) INCLUDING SAND CATCH ON BOTH SIDES AND BACK.
4. PROVIDE COVERS FOR BOTH CATCHER AND PIT WITH RESILIENT SURFACE AND LIFTING HANDLES (HANDLES TO BE RECESSED IN RESILIENT SURFACE).

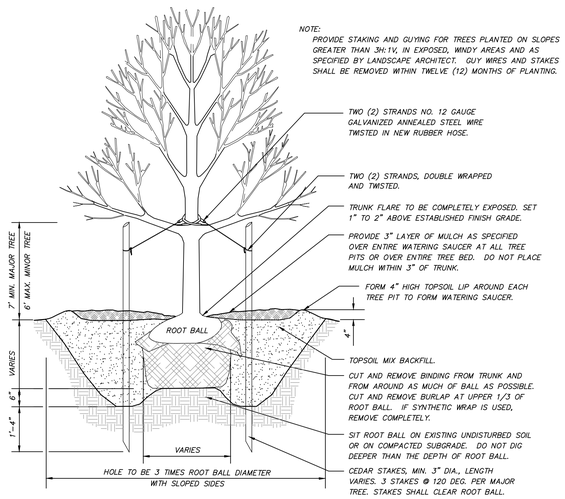
LONG/TRIPLE JUMP
(N.T.S.)



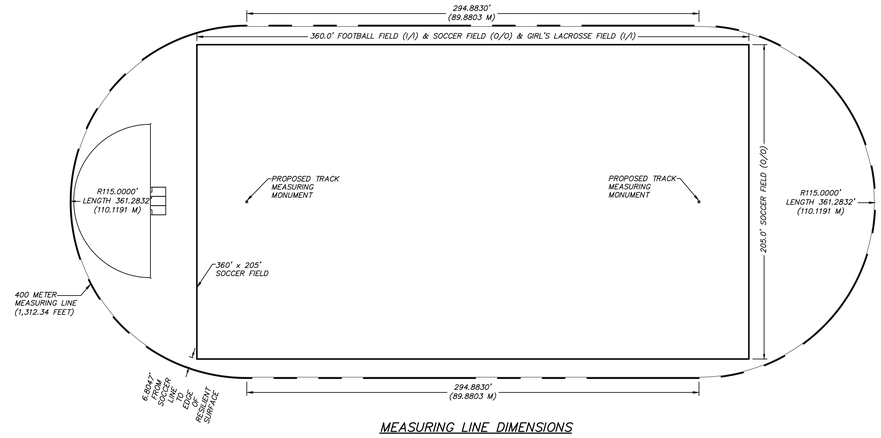
LONG JUMP SAND PIT DETAIL
(N.T.S.)



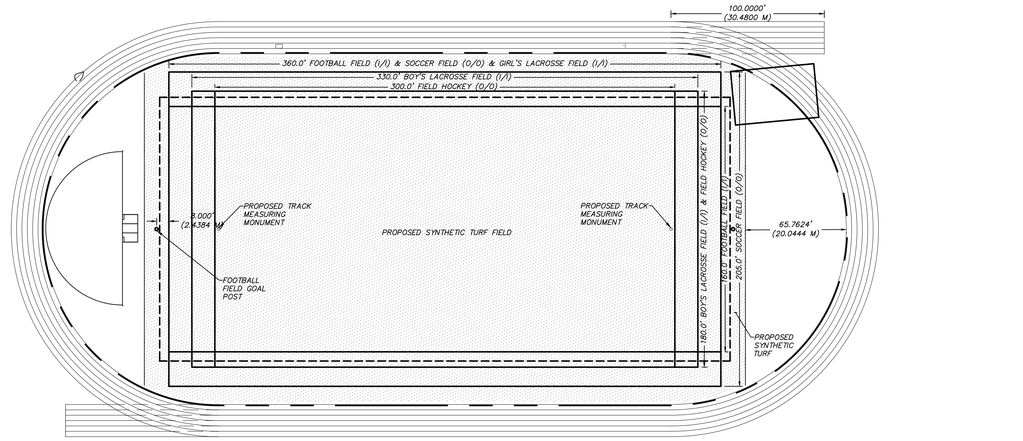
SHRUB PLANTING DETAIL
(N.T.S.)



TREE PLANTING DETAIL
(N.T.S.)



MEASURING LINE DIMENSIONS
Scale: 1" = 40'



6 LANE RUNNING TRACK
Scale: 1" = 40'

NOTES:
1. Track to be Green with White Stripes

PLANTING NOTES:

1. All proposed planting beds to receive a 12" min. depth of topsoil. Soil amendments and fertilizer application rates shall be determined based on specific testing of topsoil material.
2. Any new soils added will be amended as required by results of soil testing and placed using a method that will not cause compaction.
3. No fertilizer shall be added in stormwater basin plantings or to stream bank plantings. Nutrient requirements to be met by incorporation of acceptable organic matter.
4. All plant material to be nursery grown.
5. Plants shall conform with ANSI Z60.1 American Standard for Nursery Stock in all ways including dimensions.
6. Plant material shall be taken from healthy nursery stock.
7. All plants shall be grown under climate conditions similar to those in the locality of the project.
8. Plants shall be planted in all locations designed on the plan or as staked in the field by the Landscape Architect.
9. The location and layout of landscape plants shown on the site plan shall take precedence in any discrepancies between the quantities of plants shown on the plans and the quantity of plants in the Plant List.
10. Provide a 3" layer of shredded bark mulch (or as specified) over entire watering saucer at all tree pits or over entire planting bed. Do not place mulch within 3" of tree or shrub trunks.
11. All landscape plantings shall be maintained in a healthy condition at all times. Any dead or diseased plants shall immediately be replaced "in kind" by the contractor (during warranty period) or project owner.

SEEDING NOTES:

1. All proposed seeded areas to receive 4" min. depth of topsoil. Soil amendments shall be determined based on specific testing of topsoil material. Topsoil shall be placed using a method that will not cause compaction.
2. Upon final grading and placement of topsoil and any required soil amendments, areas to receive permanent vegetation cover in combination with suitable mulch as follows:
   - select seed mixture per drawings and seeding notes. ,
   - no fertilizer is to be used in stormwater basins, within wetland buffers, or with native seed mixes within areas to be naturalized. Nutrient requirements shall be met by incorporation of acceptable organic matter based on results of soil testing.
   - 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 State Standards and Specifications for Erosion and Sediment Control, August 2005.
   - if the season prevents the establishment of a permanent vegetation cover, the disturbed areas will be mulched with straw or equivalent.
3. Seeding should begin immediately upon completion of finish grading and seed bed preparation while soil is still friable and before weeds can emerge. If seeding area is crusted or compacted, it should be loosened by discing or tilling. If weeds are present, they should be mowed short and removed or tilled under before seed is applied. Refer to technical specifications for additional information.

A. Temporary Seed Mix for temporary seeding shall be annual or perennial ryegrass in spring, summer or early fall, at a rate of 30 lbs. per acre or winter rye (cereal rye) in late fall or early winter at a rate of 100 lbs. per acre.

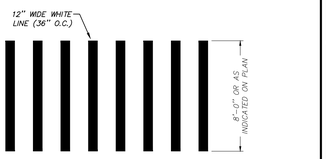
B. Lawn areas at a rate of 100 lbs. per acre:

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

TRACK AND FIELD NOTES:

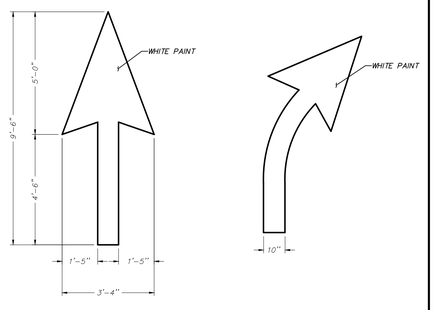
1. Field Events shall as noted below as manufactured by Sportsfield Specialties (Delhi, NY):
   a. Discus:
      - DCHSEA (TFDCHS-EX7) High School Discus Cage with Hinged Net Stabilizer Extension Arms with Optional Backup Net System.
      - TFD (TFDCTF099) Discus ThrowForm System
   b. Shot Put:
      - SPC (TFSPC) Shot Put Cage with Backup Net System
      - TFSP (TFSPTF084) – Shot Put/ Hammer ThrowForm System
      - SBTBCARHS – Hight Shcool Shot Put Toe Board Recessed Concrete Pad Installation
   c. Pole Vault:
      - PVBSS Stainless Steel Pole Vault Box
      - PVBSS Stainless Steel Pole Vault Box Plug
      - PV2224HDZ DURAZone National Pole Vault Pad
      - PVBPANG Pole Vault Standard Angled Base Protector Pads for Center Uprights
      - PVSFS Pole Vault Standard Forming System
      - PVS0517 Pole Vault Standards 5'–17' Height Range
   d. Long/Triple Jump:
      - SPSCHS– JumpForm High School 3Mx7M Sand Pit with Sand Catchers
      - LTJTOB12 12' Long/Tripple Jump Polyboard Take-Off Board System with Replacement Blanking Lid
   e. High Jump:
      - HJI810DZ DURAZone National High Jump Pad
      - HJS0208 High Jump Standards, 2'–8' Height Range

CONTRACTOR TO PROVIDE THE FOLLOWING TRACK AND FIELD EVENTS:
- POLE VAULT EQUIPMENT INCLUDING LANDING PADS, STANDS, ETC.
- LONG/TRIPLE JUMP EQUIPMENT
- HIGH JUMP LANDING PADS AND STANDS
- SAND PIT COVERS
- HAMMER / DISCUS THROWING CAGES
- THROW RINGS
- SHOT PUT TOE BOARDS



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

CROSSWALK MARKING DETAIL
(N.T.S.)



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

DIRECTIONAL ARROWS DETAIL
(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 PROPERTY OF F&D. ANY REPRODUCTION WITHOUT THE PRIOR CONSENT OF F&D IS PROHIBITED.

ENGINEERING AND SURVEYING BY:

INSITE ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225-4690
(845) 225-8977 fax
www.insite-ny.com

INSITE PROJECT#: 23149.100

FULLER D'ANGELO P.C. ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.3444 FAX 914.592.1717
www.fullerdangelo.com

Copyright 2024 by Fuller D'Angelo, P.C. (F&D)

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER H.S. & ADMINISTRATION BUILDING
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
DETAILS

DATE	ISSUED TO
04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	CD SUBMISSION
06-20-2023	SD SUBMISSION
06-13-2023	SD SUBMISSION

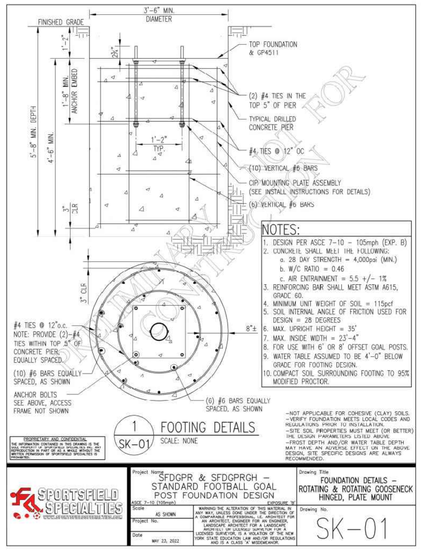
SHEET SIZE: 30"x42"
DRAWING NO.: BHS C703
SCALE: AS SHOWN
DRAWN BY: MEU
FILE NO.: 23505.01

STATE OF NEW YORK — KEITH M. WATSON — No. 27959 — LICENSED PROFESSIONAL ENGINEER
LICENSE EXP. DATE: 07-31-2026
CERT. NO: 2438573

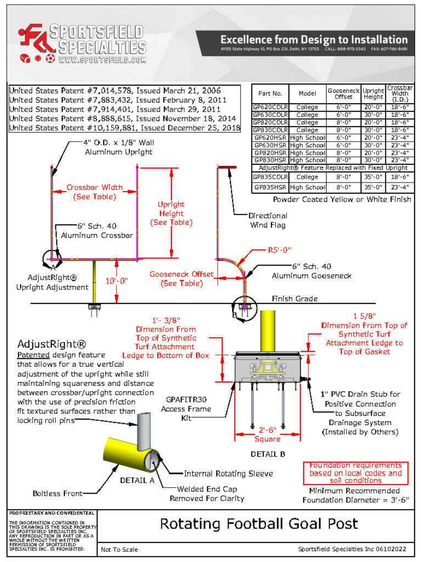
S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PLOT DATE: April 17, 2024 - 1:36pm
Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C701.dwg, 4/17/2024 1:36:19 PM, archieriain, 1:1

FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C701.dwg



FOOTBALL GOAL POST FOUNDATION DETAIL
(N.T.S.)



NOTE: PROVIDE GOAL POST GP820HSR. PROVIDE CUT SHEET TO SCHOOL AND LANDSCAPE ARCHITECT FOR APPROVAL.

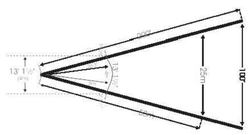
FOOTBALL GOAL POST DETAIL
(N.T.S.)

JAVELIN SECTOR AND RUNWAY – NFHS Rule 6-9
Updated March 2024

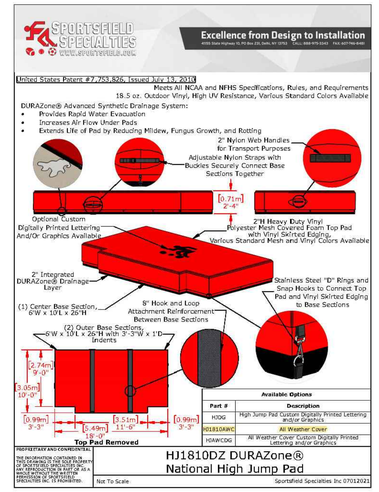
ART. 11. The runway for the throw should have a minimum length of 120' (36.5 meters) and shall be marked by two parallel lines, 13 feet, 1 ½ inches (4 meters) apart and terminated by a foul-line arc with a radius of 26 feet, 3 inches (8 meters) as shown below. The foul-line arc shall be marked with a white metal, plastic or wood band 2 ¾ inches (7 centimeters) in width. If using a band, the top surface shall be level with the throwing surface.

The line or band shall be in the throwing sector with the edge toward the runway coinciding with the foul-line arc. A line 2 ¾ inches (7 centimeters) in width and 2 feet, 3½ inches (75 centimeters) in length shall be placed or painted on each side of the runway perpendicular to the side boundaries at the intersection of the foul-line arc and inside of the side boundary lines. The athlete must exit behind the intersection of the arc and the foul line.

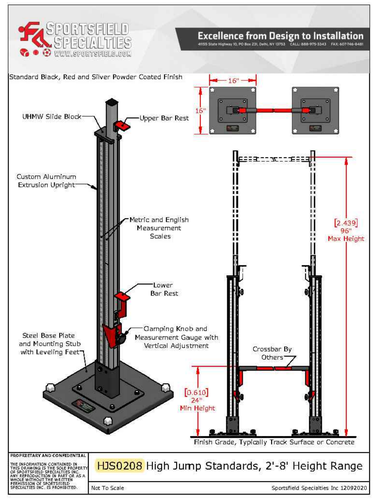
ART. 12. The throwing sector into which the javelin must fall is that area defined by extending radii through the two intersections of the arc with the runway lines and a point midway between the runway lines and 26 feet, 3 inches (8 meters) from the foul line.



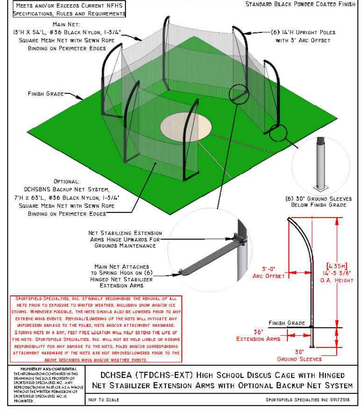
JAVELIN THROW SECTOR DETAIL
(N.T.S.)



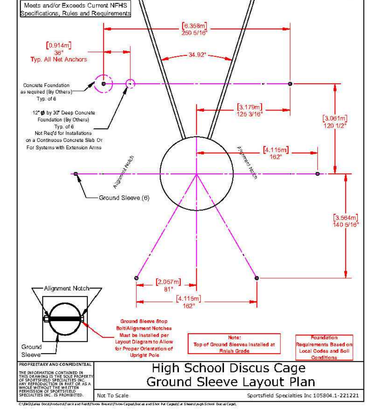
HIGH JUMP PAD DETAIL
(N.T.S.)



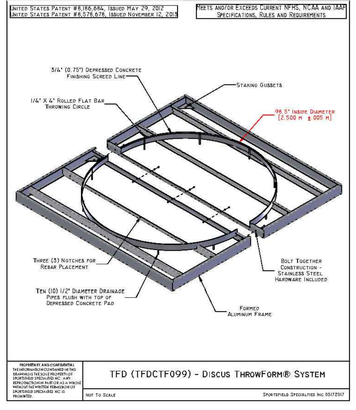
HIGH JUMP DETAIL
(N.T.S.)



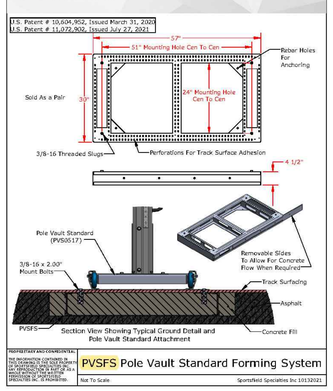
DISCUS CAGE DETAIL
(N.T.S.)



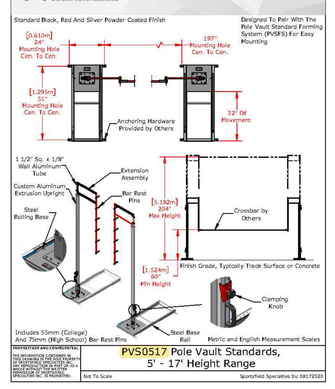
DISCUS CAGE GROUND SLEEVE DETAIL
(N.T.S.)



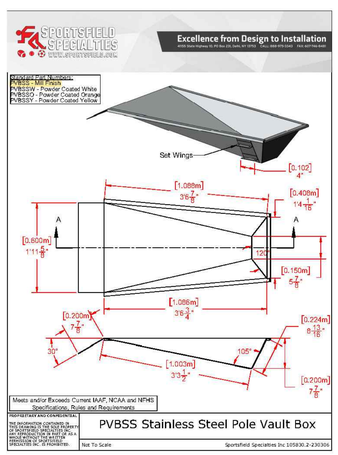
DISCUS THROW DETAIL
(N.T.S.)



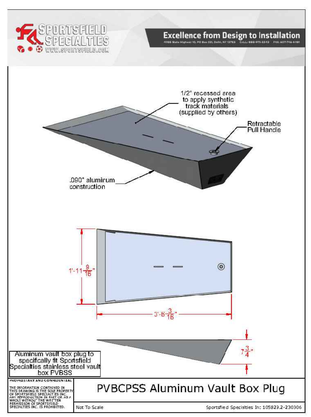
POLE VAULT FORMING SYSTEM DETAIL
(N.T.S.)



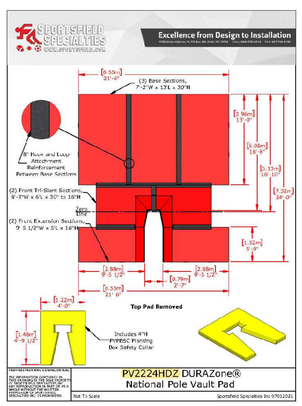
POLE VAULT DETAIL
(N.T.S.)



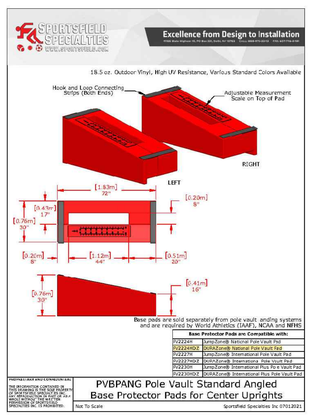
POLE VAULT BOX DETAIL
(N.T.S.)



POLE VAULT BOX PLUG DETAIL
(N.T.S.)



POLE VAULT PAD DETAIL
(N.T.S.)



POLE VAULT UPRIGHT PAD DETAIL
(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.

ENGINEERING AND SURVEYING BY:
INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, New York 10512
(845) 225-6690
(845) 225-8977 fax
www.insite-ny.com
INSITE PROJECT#: 23149.100

FULLER D'ANGELO P.C. ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL: 914.592.2444 FAX: 914.592.1717
www.fullerdangelo.com

Copyright 2024 Fuller D'Angelo P.C.

STATE OF NEW YORK
JOHN M. WATSON
No. 27960
LICENSED PROFESSIONAL ENGINEER
LICENSE EXP. DATE: 07-31-2026
CERT. NO: 2438573

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

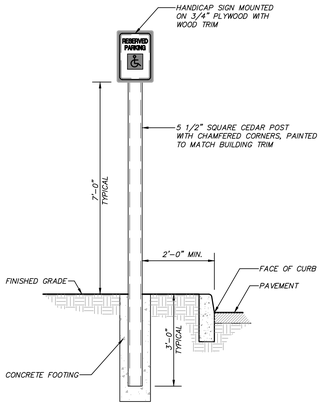
PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER H.S. & ADMINISTRATION BUILDING
RECONSTRUCTION WORK
95 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
DETAILS

04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	CD SUBMISSION
06-20-2023	SD SUBMISSION
06-13-2023	SD SUBMISSION
DATE	ISSUED TO

SHEET SIZE: 30"x42"
DRAWING NO.: BHS C704
SCALE: AS SHOWN
DRAWN BY: MEU
FILE NO.: 23505.01

PLOT DATE: April 17, 2024 - 10:38am
Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C701.dwg, 4/17/2024 10:39:09 AM, architekton, 1:1
FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C701.dwg



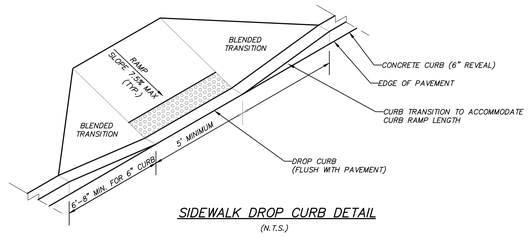
NOTE: SIGNS SHALL BE INSTALLED AT A CLEAR HEIGHT OF BETWEEN 5'-0" AND 7'-0" ABOVE GRADE OF PARKING SPACE AND SUCH THAT SIGNS SHALL NOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE.

HANDICAP SIGN DETAIL

(N.T.S.)

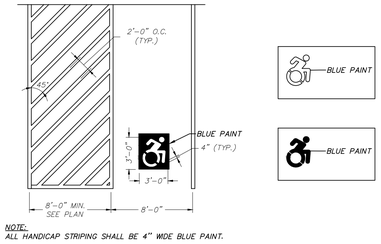
SIGN DATA TABLE

LOCATION NO.	TEXT	M.U.T.C.D. NUMBER	SIZE OF SIGN (s.f.)	DESCRIPTION
1	RESERVED PARKING	R7-8	12" x 18"	Blue on White
2	NO PARKING ANY TIME	R7-1	12" x 18"	Red on White



SIDEWALK DROP CURB DETAIL

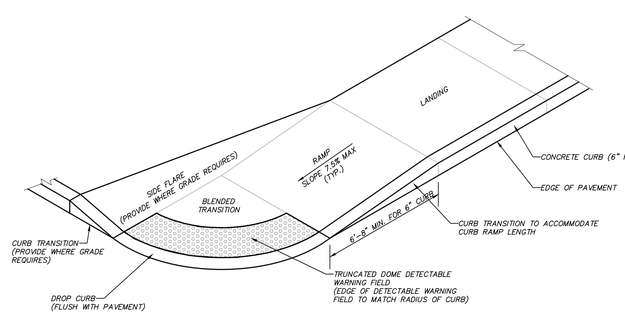
(N.T.S.)



NOTE:
ALL HANDICAP STRIPING SHALL BE 4" WIDE BLUE PAINT.

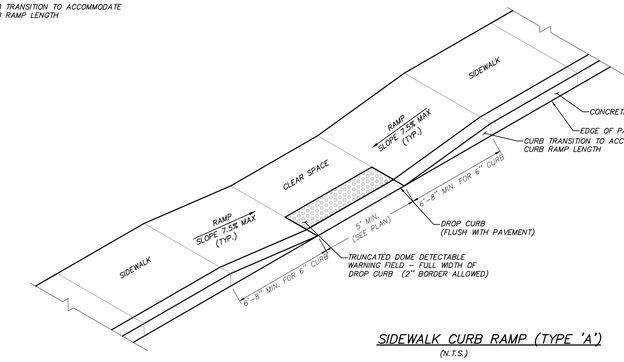
PAINTED NYS ACCESSIBLE PARKING DETAIL

(N.T.S.)



SIDEWALK CURB RAMP (TYPE B)

(N.T.S.)



SIDEWALK CURB RAMP (TYPE 'A')

(N.T.S.)

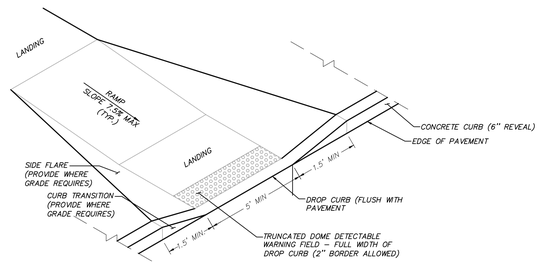
GENERAL NOTES FOR ACCESSIBLE ROUTES:

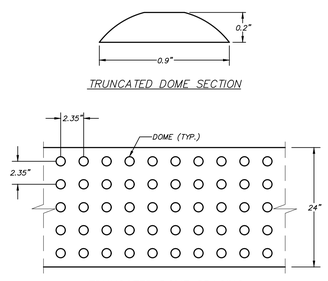
1. Accessible routes to and within a site shall be provided from accessible building entrances to accessible pedestrian walkways, accessible facilities, accessible site elements and spaces, accessible parking spaces, access aisles, passenger loading zones, and to the public way, including public transportation 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. Marked Accessible Parking Spaces and Access Aisles:
    a. Dimensions – accessible parking spaces shall be at least 8' wide and shall have an adjacent access aisle 8' wide measured perpendicular to the stall stripe to accommodate vans with lifts.
    b. Common access aisles for 90° parking – two accessible parking spaces may share a common access aisle. For acute angled parking, such as 60° parking, or where one way driveway aisles would prevent vans with passenger side lifts from backing into accessible spaces, an accessible access aisle must be provided for each accessible parking space, width of access aisles and parking spaces are measured perpendicular to the striping.
    c. Signing – each accessible parking space shall be marked by permanently installed signs which display the International Symbol of Access. Each access aisle shall be marked by permanently installed signs indicating that that stopping is not permitted in the aisle. Signs shall not block the accessible clear width of adjacent walkways. Signs located where they may be hit by vehicles being parked shall be installed in a post base. The bottoms of the signs located on posts installed in paved areas shall be 7' minimum above the walkway surface. The bottoms of signs located in unpaved area shall be 7' minimum above the pavement surface.
    d. Surface slopes – slopes at accessible parking spaces, access aisles, and adjoining walkways shall be 1.5% maximum in any direction for design and layout, and 2.0% maximum for work acceptance, while providing positive drainage.
    e. Overhead clearance – vehicle access routes to and from accessible parking spaces, including in garages and open parking structures, shall have a minimum vertical clearance of 8'-2".
    f. Pavement marking colors – required accessible parking space and access aisle striping and other optional pavement markings, such as the International Symbol of Access, shall be painted white or blue.
    g. A smooth, flush transition must be provided between all pedestrian walkways, accessible parking spaces and aisles.
    h. Where a change in direction is required to access a curb ramp from an access aisle, a turning space 4'–0" x 4'–0" minimum shall be provided at the base or the top of curb ramp, as applicable. The cross slope of turning spaces shall not exceed 1.5% in any direction for design and layout, and 2.0% for work acceptance, while providing positive drainage.
13. 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 curb ramp 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.

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.

* While providing positive drainage.





TRUNCATED DOME SECTION

TRUNCATED DOME SPACING

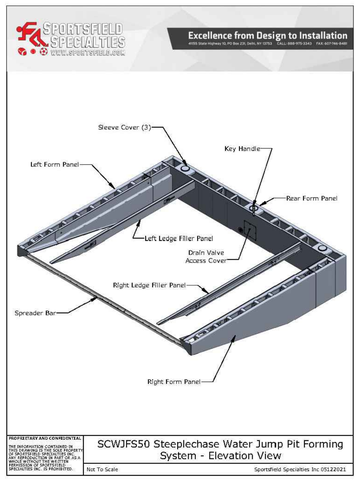
SIDEWALK CURB RAMP NOTES:

(N.T.S.)

1. The detectable warning field shall consist of raised truncated domes with a nominal diameter of 0.9 inches, a nominal height of 0.2 inches, and a nominal spacing of 2.35 inches on center in accordance with the Department of Justice–Code of Federal Regulations, 28 CFR Part 36, Chapter 4 "ADA Standards for Accessible Design", revised as of July 1, 1994.
2. The details provided are not drawn to scale. The quantity of domes depicted on the detectable warning field (the domes and the entire 24 inch level surface) is for illustration only.
3. The size of the detectable warning field shall be 24 inches in the direction of travel and shall extend the full width of the curb ramp or flush surface, exclusive of side flares.
4. Detectable warnings shall be located so that the edge of the warning field nearest to the roadway or street surface is 6 inches to 8 inches from the edge of the roadway/street, or from the front of the dropped curb, where a dropped curb continues across the bottom of the sidewalk curb ramp.
5. Domes shall be aligned on a square grid in the predominant direction of travel.
6. 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.
7. Payment lines are the 24 inch dimension shown in the details extending the full width of the curb ramp and/or applicable surfaces.
8. Provide a broom finish, flush to adjacent sidewalk/curb, on all areas to receive the detectable warning fields.

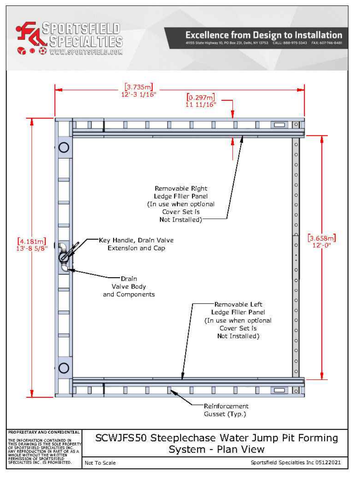
TRUNCATED DOME DETAIL

(N.T.S.)



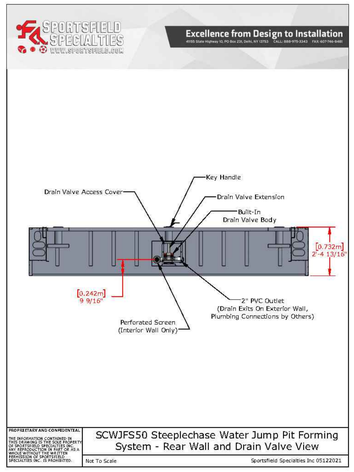
STEEPLECHASE WATER JUMP PIT DETAIL

(N.T.S.)



STEEPLECHASE WATER JUMP PIT DETAIL

(N.T.S.)



STEEPLECHASE WATER JUMP PIT REAR WALL DETAIL

(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.

ENGINEERING AND SURVEYING BY:
INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225-9892
(845) 225-8977 fax
www.insite-ny.com
INSITE PROJECT# 2314B.100

FULLER D'ANGELO P.C.
ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX. 914.592.1717
www.fullerdangelo.com

Copyright 2024 Fuller D'Angelo P.C.

STATE OF NEW YORK
JOHN M. WATSON
No. 77060
LICENSED PROFESSIONAL ENGINEER

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

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER H.S. & ADMINISTRATION BUILDING
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE:
ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
DETAILS

DATE	ISSUED TO
04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	CD SUBMISSION
06-20-2023	SD SUBMISSION
06-13-2023	SD SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: BHS C705
SCALE: AS SHOWN
DRAWN BY: MEU
FILE NO.: 23505.01

PLOT DATE: April 17, 2024 - 9:33am
Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C701.dwg, 4/17/2024 9:33:11 AM, mwhite 1:1
FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C701.dwg

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 SP–3.1

* 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 redevelopment of a an existing althetic sports field and athletic track.

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."

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 XXXX.
   d. Soil testing results and locations. This SWPPP requirement is provided in the report titled Stormwater Pollution Prevention Plan for XXXX.
   e. Infiltration testing results. This SWPPP requirement is provided in the report titled Stormwater Pollution Prevention Plan for XXXX.
   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.

EROSION & SEDIMENT CONTROL NOTES:

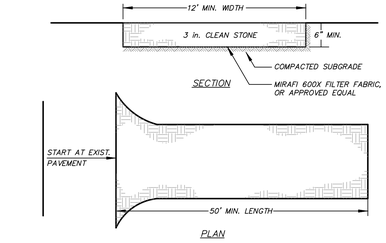
1. The owner's field representative (O.F.R.) will be responsible for the implementation and maintenance of erosion and sediment control measures on this site prior to and during construction.
2. All construction activities involving the removal or disposition of soil are to be provided with appropriate 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 Town Engineer shall be installed by the contractor.
20. Erosion and sediment control measures shall remain in place until all disturbed areas are suitably stabilized.

CONSTRUCTION SEQUENCE:

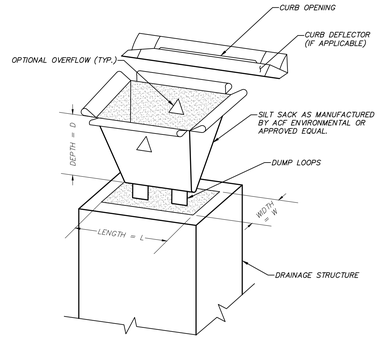
1. Install stabilized construction entrance/anti–tracking pad at site entrances and inlet protection within existing drainage structures to remain.
2. Install silt fence in general locations indicated on the plan.
3. Begin clearing and grubbing operations associated with fields and driveway.
4. Strip and stockpile topsoil on site for later use in lawn and landscape areas.
5. Begin excavation for foundation, individual lot grading, and stormwater management practices.
6. Begin rough grading of proposed practices and construction and installation of proposed drainage structures.
7. Begin fine grading for stormwater practices and slopes.
8. Upon completion of grading operations, install finished driveway surfaces.
9. Topsoil, seed, and mulch all disturbed areas as soon as practical in accordance with the Erosion and Sediment Control Notes contained on this page.

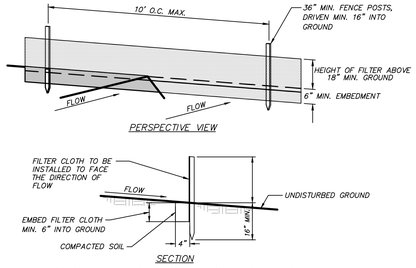


INSTALLATION NOTES

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 – 10 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.)

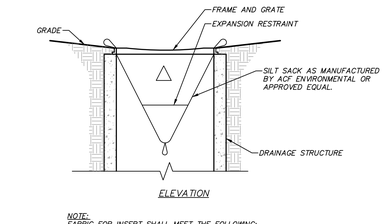




CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

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.

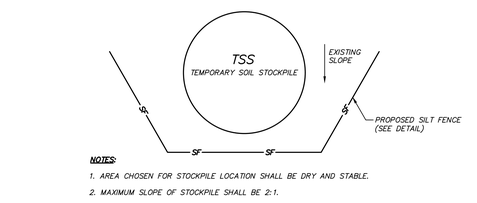
STANDARD SILT FENCE DETAIL
(N.T.S.)



NOTE:
FABRIC FOR INSERT SHALL MEET THE FOLLOWING:

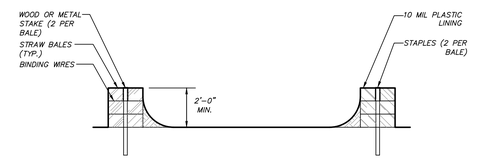
FABRIC PROPERTIES	MINIMUM ACCEPTABLE VALUE	TEST METHOD
Grab Tensile Strength (lbs)	110	ASTM D 4632
Mullen Burst Strength (PSI)	300	ASTM D 3786
Puncture Strength (lbs)	60	ASTM D 4833
Minimum Trapezoidal Tear Strength (lbs)	50	ASTM D 4533
Flow Through Rate (gal/min/sf)	25	ASTM D 4491
Equivalent Opening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

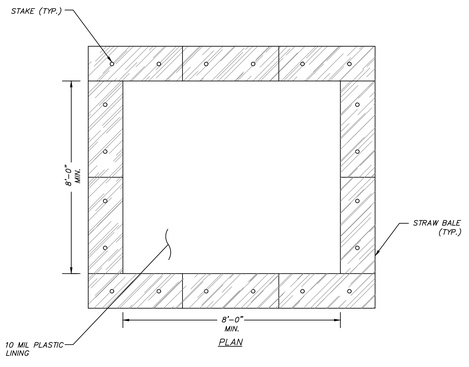
MANUFACTURED INSERT INLET PROTECTION DETAIL
(N.T.S.)



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.)





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

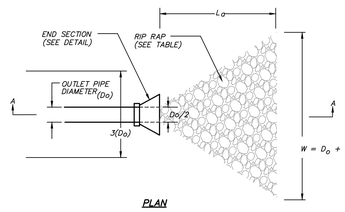
NOTES
1. TEMPORARY CONCRETE WASHOUT TYPE ABOVE GRADE WILL BE CONSTRUCTED AS SHOWN ABOVE, WITH RECOMMENDED MINIMUM LENGTH AND MINIMUM WIDTH OF 8 FT.
2. THE WASHOUT WILL BE MINIMUM OF 100 FT FROM DRAINAGE SWALES, STORM DRAIN INLETS, WETLANDS, STREAMS AND OTHER SURFACE WATERS.
3. PLASTIC LINING WILL BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.

SOIL RESTORATION REQUIREMENTS

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

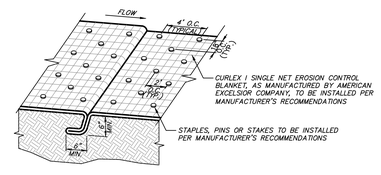
Type of Soil Disturbance	Soil Restoration Requirement		Comments/Examples
No soil disturbance	Restoration not permitted		Preservation of Natural Features
Minimal soil disturbance	Restoration not required		Clearing and grubbing
Areas where topsoil is stripped only – no change in grade	HSG A&B	HSG C&D	Protect area from any ongoing construction activities.
	Apply 6 inches of topsoil	Aerate* and apply 6 inches of topsoil	
Areas of cut or fill	HSG A&B	HSG C&D	
	Aerate* and apply 6 inches of topsoil	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.		

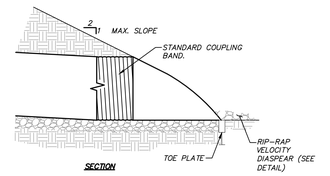
* Aeration includes the use of machines such as tractor–drawn implements with coulters making a narrow slit in the soil, a roller with many spikes making indentations in the soil, or prongs which function like a mini–subsoiler.
** Per "Deep Ripping and De–compaction, DEC 2008".

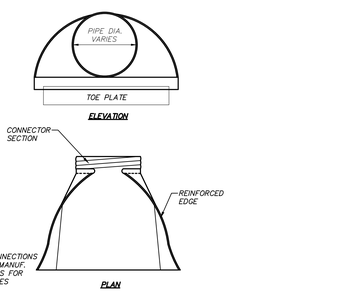


ROCK OUTLET PROTECTION DETAIL
(N.T.S.)

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	15"	1.8	6"	9"	14"	8'
ES 2	12"	5.0	6"	9"	14"	8'
ES 14	30"	20.5	9"	14"	20"	16'
ES 15	30"	27.9	9"	14"	20"	16'







END SECTION DETAIL
(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.

ENGINEERING AND SURVEYING BY:
INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225–6690
(845) 225–8977 fax
www.insite–ny.com
INSITE PROJECT#: 23149.100

FULLER D'ANGELO P.C.
ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL: 914.592.2444 FAX: 914.592.1717
www.fullerdangelo.com

Copyright 2024 Fuller D'Angelo P.C.

STATE OF NEW YORK
JOHN M. WATSON
No. 077950
LICENSED PROFESSIONAL ENGINEER
LICENSE EXP. DATE: 07-31-2026
CERT. NO: 2438573

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

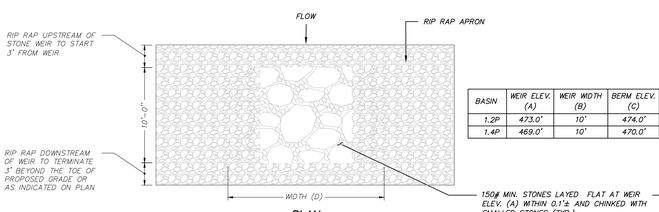
PROJECT TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER H.S. & ADMINISTRATION BUILDING
RECONSTRUCTION OF TRACK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE:
ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
DETAILS

DATE	ISSUED TO
04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	CD SUBMISSION
06-20-2023	SD SUBMISSION
06-13-2023	SD SUBMISSION

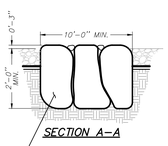
SHEET SIZE: 30"x42"
DRAWING NO.: BHS C706
SCALE: AS SHOWN
DRAWN BY: MEU
FILE NO.: 23505.01

PLOT DATE: April 17, 2024 - 9:33am
Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C701.dwg, 4/17/2024 9:33:27 AM, duchar.11
FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C701.dwg

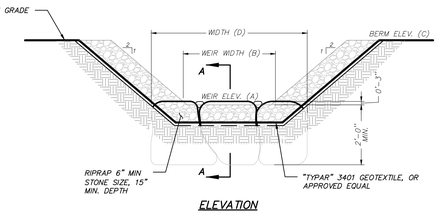


BASIN	WEIR ELEV. (A)	WEIR WIDTH (B)	BERM ELEV. (C)	WIDTH (D)
1.2P	473.0'	10'	474.0'	15'
1.4P	469.0'	10'	470.0'	15'

PLAN



SECTION A–A

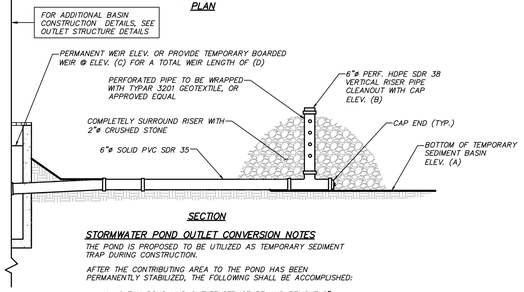


ELEVATION

STONE AUXILIARY SPILLWAY DETAIL
(N.T.S.)

PLAN

FOR ADDITIONAL BASIN CONSTRUCTION DETAILS, SEE OUTLET STRUCTURE DETAILS



SECTION

STORMWATER POND OUTLET CONVERSION NOTES

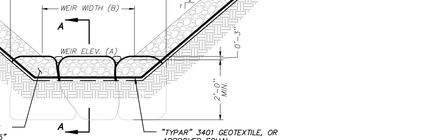
THE POND IS PROPOSED TO BE UTILIZED AS TEMPORARY SEDIMENT TRAP DURING CONSTRUCTION.

AFTER THE CONTRIBUTING AREA TO THE POND HAS BEEN PERMANENTLY STABILIZED, THE FOLLOWING SHALL BE ACCOMPLISHED:

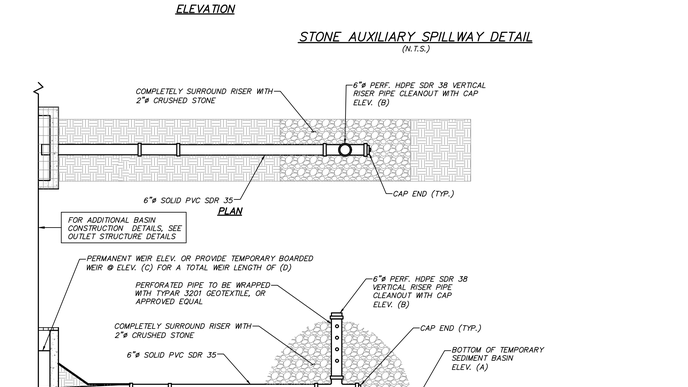
A. CLEAN POND AND OUTLET STRUCTURE AND REMOVE 6"ø PERFORATED VERTICAL RISER PIPE, CRUSHED STONE AND FILTER FABRIC.
B. ADD THREADED CAP WITH ORIFICE AT DISCHARGE END OF 6"ø SOLID PVC SDR 35 PIPES PER DETAIL.
C. ESTABLISH THE FINAL VEGETATION AND ELEVATIONS IN THE POND.

STORMWATER MANAGMENT PRACTICE	CONTRIBUTING AREA (AC)	DISTURBED AREAS WITHIN CONTRIBUTING AREA (AC)	STORAGE VOLUME REQUIRED (SEDIMENT STORAGE ZONE + DEWATERING ZONE)	STORAGE VOLUME PROVIDED BELOW WEIR (CY)	BOTTOM OF TEMPORARY BASIN ELEVATION (A)	CLEANOUT ELEVATION (B)	WEIR ELEVATION (PERMANENT OR BOARDED) (C)	TEMPORARY WEIR LENGTH (D)
1.3	10.1	7.5	43,860	44,916	464.0	470.5	469.6	13'

TEMPORARY SEDIMENT BASIN OUTLET DETAIL
(N.T.S.)



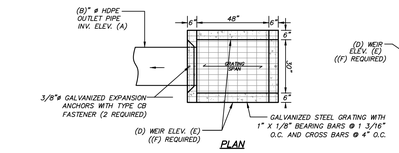
PLAN



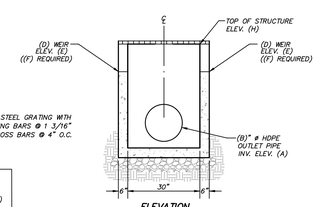
SECTION

STORMWATER MANAGEMENT PRACTICE	OUTLET PIPE ELEVATION (A)	OUTLET PIPE DIAMETER ø" (B)	ORIFICE INVERT ELEV. (C)	ORIFICE DIAMETER ø" (D)	LOW FLOW INVERT ELEV. (E)	WEIR LENGTH (ft.)(each) (F)	WEIR ELEVATION (G)	NUMBER OF WEIRS REQUIRED (H)	TOP OF BERM ELEVATION (I)	TOP OF OUTLET STRUCTURE ELEVATION (J)	BOTTOM OF BASIN ELEVATION (K)	1–YEAR 24 HOUR DESIGN STORM ELEVATION (L)	10–YEAR 24 HOUR DESIGN STORM ELEVATION (M)	100–YEAR 24 HOUR DESIGN STORM ELEVATION (N)	LENGTH OF PERFORATED UNDER DRAIN (O)	LENGTH OF SOLID UNDER DRAIN (P)
1.3P	463.0	30"	463.0	6"	463.0	0.7'	464.5	1	470.6	469.6	464.0	463.5	466.2	469.4	120'–0"	10'–0"

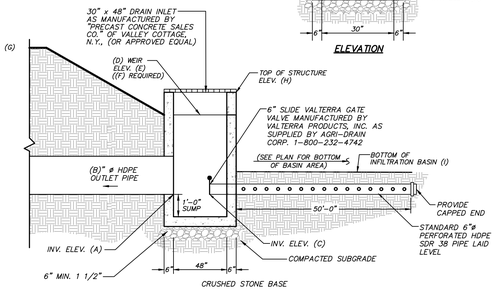
PERMANENT EXTENDED DETENTION DRY STORMWATER BASIN OUTLET STRUCTURE DETAIL
(N.T.S.)



PLAN

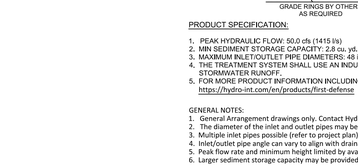


ELEVATION

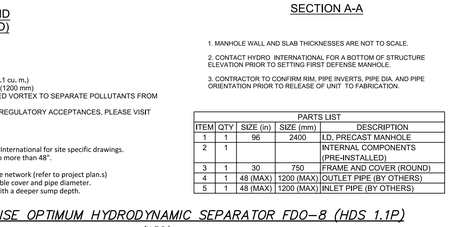


STORMWATER MANAGMENT PRACTICE	OUTLET PIPE ELEVATION (A)	OUTLET PIPE DIAMETER ø" (B)	UNDER DRAIN INVERT ELEV. (C)	WEIR LENGTH (ft.)(each) (D)	WEIR ELEVATION (E)	NUMBER OF WEIRS REQUIRED (F)	TOP OF BERM ELEVATION (G)	TOP OF OUTLET STRUCTURE ELEVATION (H)	BOTTOM OF BASIN ELEVATION (I)
1.2P	465.0	24"	465.0	4'	472.3	1	474.0	473.0	466.0

INFILTRATION BASIN OUTLET STRUCTURE DETAIL
(N.T.S.)

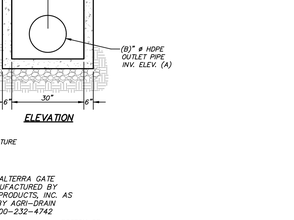


OUTLET STRUCTURE PLAN
(N.T.S.)

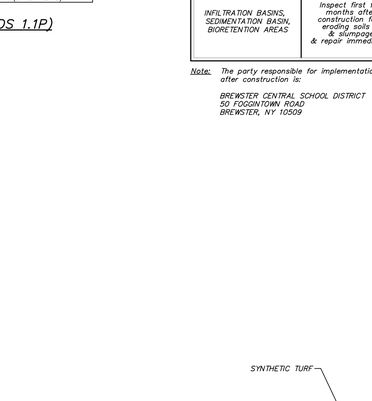


DRAINAGE LINE TRENCH DETAIL
(N.T.S.)

OUTLET STRUCTURE ELEVATION
(N.T.S.)

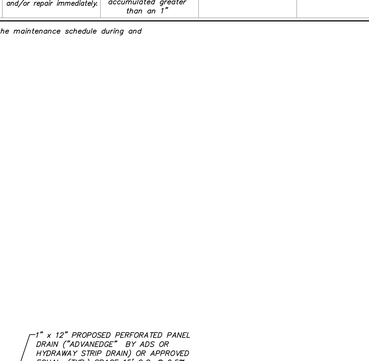


UNDERDRAIN DETAIL
(N.T.S.)



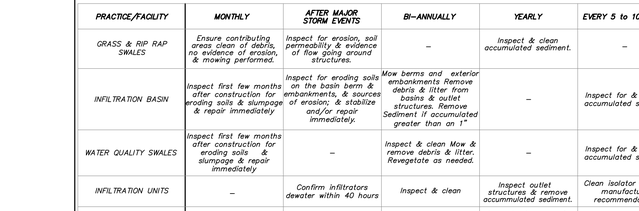
NOTE:
1. STRUCTURE AND COVER TO BE DESIGNED FOR H–20 LOADING.

DRAINAGE MANHOLE DETAIL
(N.T.S.)



(STRUCTURE AND GRATE TO BE DESIGNED FOR H–20 LOADING)

24" x 24" YARD DRAIN DETAIL
(N.T.S.)



ATHLETIC FIELD DRAINAGE DETAIL
(N.T.S.)

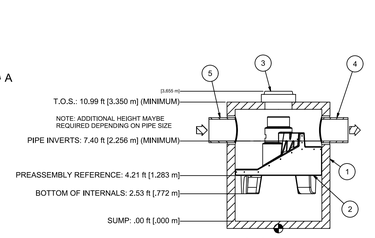
PERMANENT STORMWATER FACILITIES MAINTENANCE SCHEDULE

PRACTICE/FACILITY	MONTHLY	AFTER MAJOR STORM EVENTS	BI–ANNUALLY	YEARLY	EVERY 5 to 10 YEARS
GRASS & RIP RAP SWALES	Ensure contributing areas clean of debris, no evidence of erosion, & mowing performed.	Inspect for erosion, soil permeability & evidence of flow going around structures.	–	Inspect & clean accumulated sediment.	–
INFILTRATION BASIN	Inspect first few months after construction for eroding soils & slumpage & repair immediately	Inspect for 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 Sediment if accumulated greater than an 1"	–	Inspect for & remove accumulated sediment
WATER QUALITY SWALES	Inspect first few months after construction for eroding soils & slumpage & repair immediately	–	Inspect & clean Mow & remove debris & litter. Revegetate as needed.	–	Inspect for & remove accumulated sediment
INFILTRATION UNITS	–	Confirm infiltrators dewater within 40 hours	Inspect & clean	Inspect outlet structures & remove accumulated sediment.	Clean isolator row per manufactures recommendations
SUBSURFACE STORMWATER COLLECTION SYSTEMS	–	–	Inspect & clean	Inspect, clean, repair and/or replace structures. Remove debris.	–
STORMWATER 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 berm and exterior embankments Remove debris & litter from basin & outlet structures	–	Inspect for & remove accumulated sediment
DEEP SUMP CATCH BASINS	–	–	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 & remove debris & litter. Revegetate as needed.	–	Inspect for & remove accumulated sediment
INFILTRATION BASINS, SEDIMENTATION BASIN, BIORETENTION AREAS	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 Sediment if accumulated greater than an 1"	–	Inspect for & remove accumulated sediment

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

PARTS LIST				
ITEM	QTY	SIZE (in)	SIZE (mm)	DESCRIPTION
1	1	96	2400	I.D. PRECAST MANHOLE
2	1			INTERNAL COMPONENTS (PRE-INSTALLED)
3	1	30	750	FRAME AND COVER (ROUND)
4	1	48 (MAX)	1200 (MAX)	OUTLET PIPE (BY OTHERS)
5	1	48 (MAX)	1200 (MAX)	INLET PIPE (BY OTHERS)

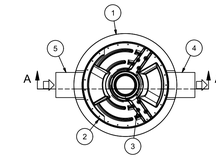


SECTION A-A

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.



PLAN VIEW

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

PRODUCT SPECIFICATION:

1. PEAK HYDRAULIC FLOW: 50.0 cfs (1415 l/s)
2. MIN SEDIMENT STORAGE CAPACITY: 2.8 cu. yd. (2.1 cu. m.)
3. MAXIMUM INLET/OUTLET PIPE DIAMETERS: 48 in. (1200 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 48".
3. Multiple inlet pipes possible (refer to project plan).
4. Inlet/outlet pipe angle can vary to align with drainage network (refer to project plan.s)
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.

FIRST DEFENSE OPTIMUM HYDRODYNAMIC SEPARATOR FDO–8 (HDS 1.1P)
(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.

ENGINEERING AND SURVEYING BY:
INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225-9892
(845) 225-8977 fax
www.insite-ny.com
INSITE PROJECT# 23149.100

FULLER D'ANGELO P.C. ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
www.fullerdangelo.com

Copyright 2024 © Fuller & D'Angelo, P.C.

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

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

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER H.S. & ADMINISTRATION BUILDING RENOVATIONS/ADDITIONS, NEW ATHLETIC FIELD & FACILITY WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

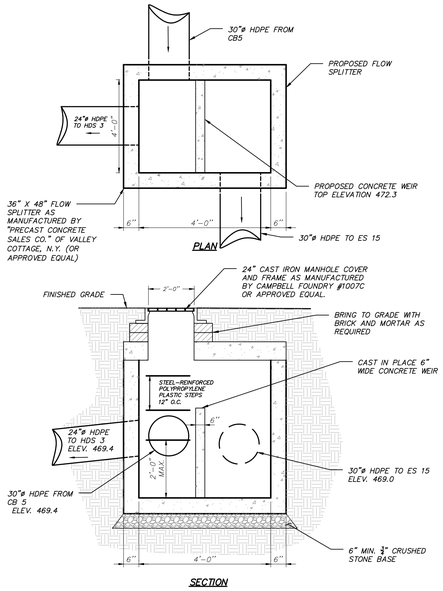
DRAWING TITLE
ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
DETAILS

DATE	ISSUED TO
04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	CD SUBMISSION
06-20-2023	SD SUBMISSION
06-13-2023	SD SUBMISSION

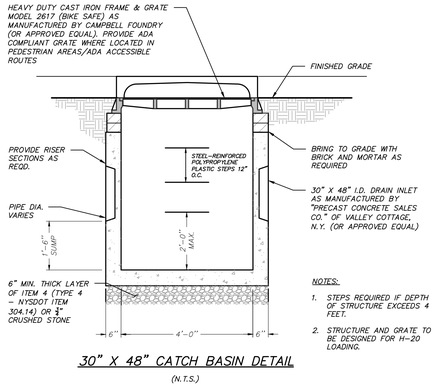
SHEET SIZE 30"x42"
SCALE AS SHOWN
DRAWN BY MEU
DRAWING NO. BHS C707
FILE NO. 23505.01

PLOT DATE: April 19, 2024 - 4:14pm
Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C701.dwg, 4/19/2024 4:14:27 PM, archonbam, 1:1

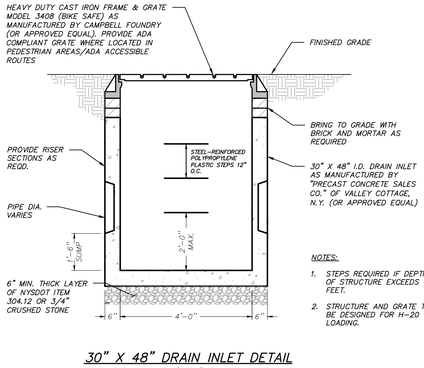
FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C701.dwg



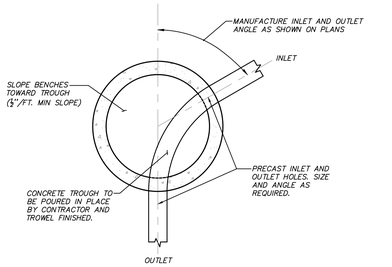
FLOW SPLITTER FS 4 DETAIL
(N.T.S.)



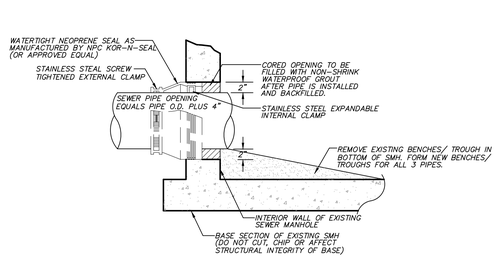
30" X 48" CATCH BASIN DETAIL
(N.T.S.)



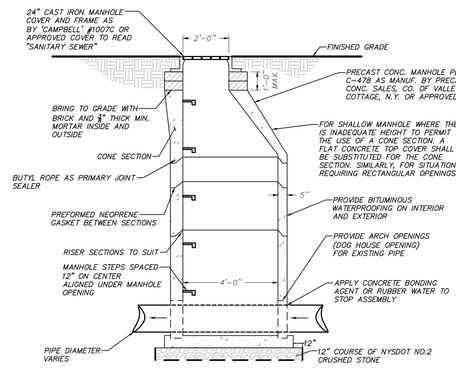
30" X 48" DRAIN INLET DETAIL
(N.T.S.)

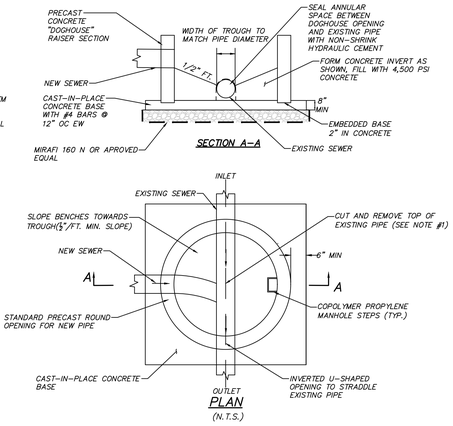


MANHOLE TROUGH DETAIL
(N.T.S.)



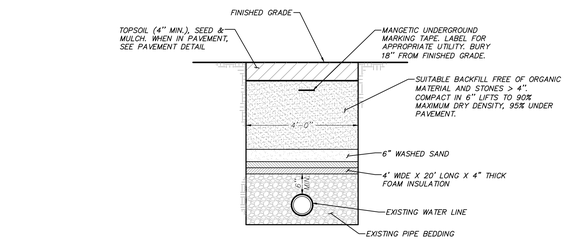
PROPOSED SEWER CONNECTION TO EXISTING SEWER MANHOLE DETAIL
(N.T.S.)



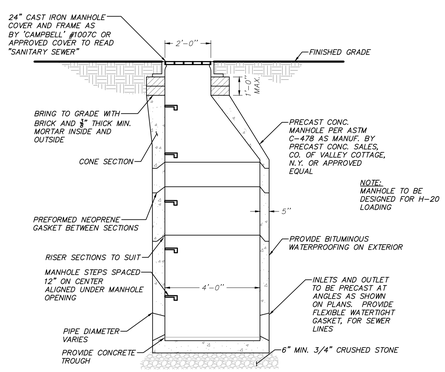


NOTE:
1. THE CONTRACTOR SHALL NOT CUT NOR COMPROMISE THE EXISTING SEWER MAIN DURING DOG HOUSE MANHOLE INSTALLATION. THE INSTALLATION AND REQUIRED SEWER TESTING SHALL BE COMPLETED AND APPROVED BY THE DESIGN ENGINEER PRIOR TO CUTTING THE EXITING SEWER MAIN.
2. INVERT SHALL BE FILLETED.
3. REINFORCEMENT FOR MANHOLE COMPONENTS SHALL BE DESIGNED BY A LICENSED NEW YORK STATE PROFESSIONAL ENGINEER PRIOR TO CONSTRUCTION ; SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW. STRUCTURE SHALL BE DESIGNED FOR HS-20 VEHICULAR LOADING.
4. CONCRETE TO TEST 4,500 PSI. AT 28 DAYS IN CONFORMANCE WITH A.S.T.M C-478.
5. BENCH SHALL BE BUILT FOR FLOW BETWEEN INLET AND OUTLET.
6. EACH MANHOLE EXTERIOR SHALL RECEIVE TWO BITUMINOUS COATS.
7. MINIMUM DIAMETER FOR PIPES GREATER THAN 20 INCHES SHALL BE 6'-0".
8. BENCH SHALL BE BUILT FOR FLOW BETWEEN INLET AND OUTLET.

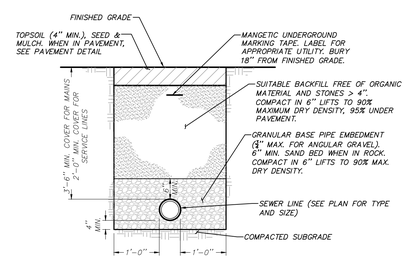
DOGHOUSE SEWER MANHOLE DETAIL
(N.T.S.)



WATER LINE INSULATION DETAIL
(N.T.S.)



SEWER MANHOLE DETAIL
(N.T.S.)



SEWER TRENCH DETAIL
(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 PROPERTY AND PROPERTY OF F&D. ANY REPRODUCTION WITHOUT THE PRIOR CONSENT OF F&D IS PROHIBITED.

ENGINEERING AND SURVEYING BY:
INSITE
ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 Garrett Place
Carmel, NY 10512
(845) 225-9892
(845) 225-8977 fax
www.insite-ny.com
INSITE PROJECT# 23149.100

FULLER D'ANGELO P.C.
ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
www.fullerdangelo.com

Copyright 2024 Fuller D'Angelo P.C.

STATE OF NEW YORK
JOHN M. WATSON
No. 77959
LICENSED PROFESSIONAL ENGINEER

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

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

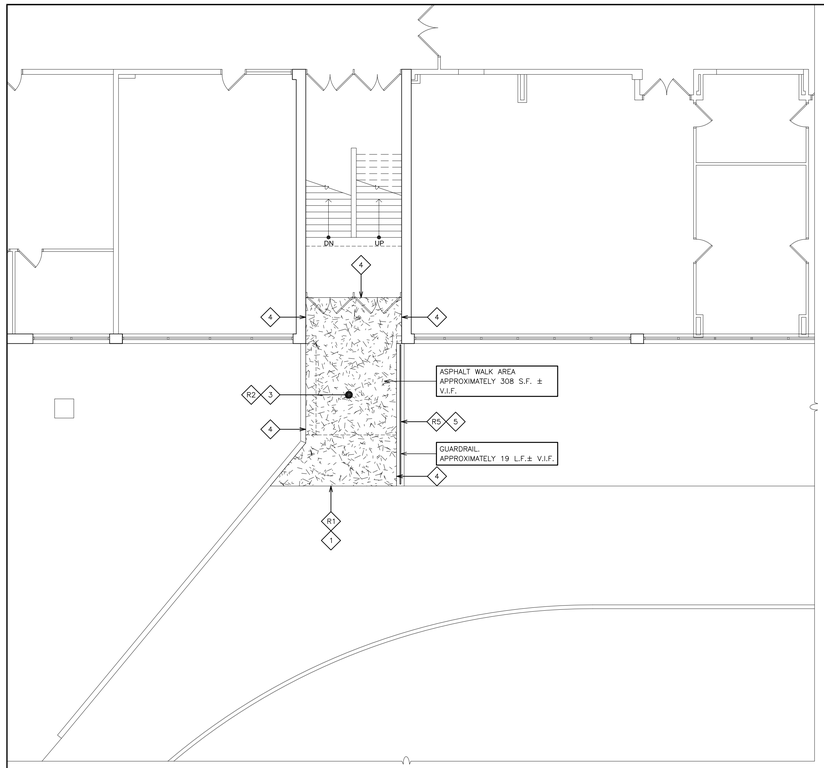
PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER H.S. & ADMINISTRATION BUILDING RECONSTRUCTION, NEW TRUCK TURF SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
ATHLETIC FIELD, TRACK, AND PARKING AT BREWSTER HIGH SCHOOL
DETAILS

DATE	ISSUED TO
04-23-2024	BID
10-25-2023	NYCDEP SUBMISSION
10-02-2023	CD SUBMISSION
06-20-2023	SD SUBMISSION
06-13-2023	SD SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. BHS C708
SCALE AS SHOWN
DRAWN BY MEU
FILE NO. 23505.01

PLOT DATE: April 17, 2024 - 9:34am
Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C701.dwg, 4/17/2024 9:34:02 AM, eurher.11
FILE: Z:\E\23149100 F&D Brewster CSD\CADD Package 1\BHS C701.dwg



SITE LEGEND:

- C.B.–X — EXISTING CATCH BASIN TO REMAIN.
- # — SITE WORKSCOPE NOTE.
- ASPHALT PITCH DIRECTION
- BUILDING ENTRANCES
- TOP SOIL & SEED. SEE DETAILS 3/A11. SEE SPECIFICATIONS
- NEW CONCRETE CURB. SEE DETAIL 2/A11.
- AREA TO RECEIVE NEW CONCRETE WALKWAY. SEE DETAIL 4/A11.
- AREA TO RECEIVE NEW BITUMINOUS WALK. SEE DETAILS 1/A11.
- AREA TO RECEIVE RELOCATED CONCRETE PAVERS. SEE CIVIL DRAWINGS.

SITE REMOVAL NOTES:

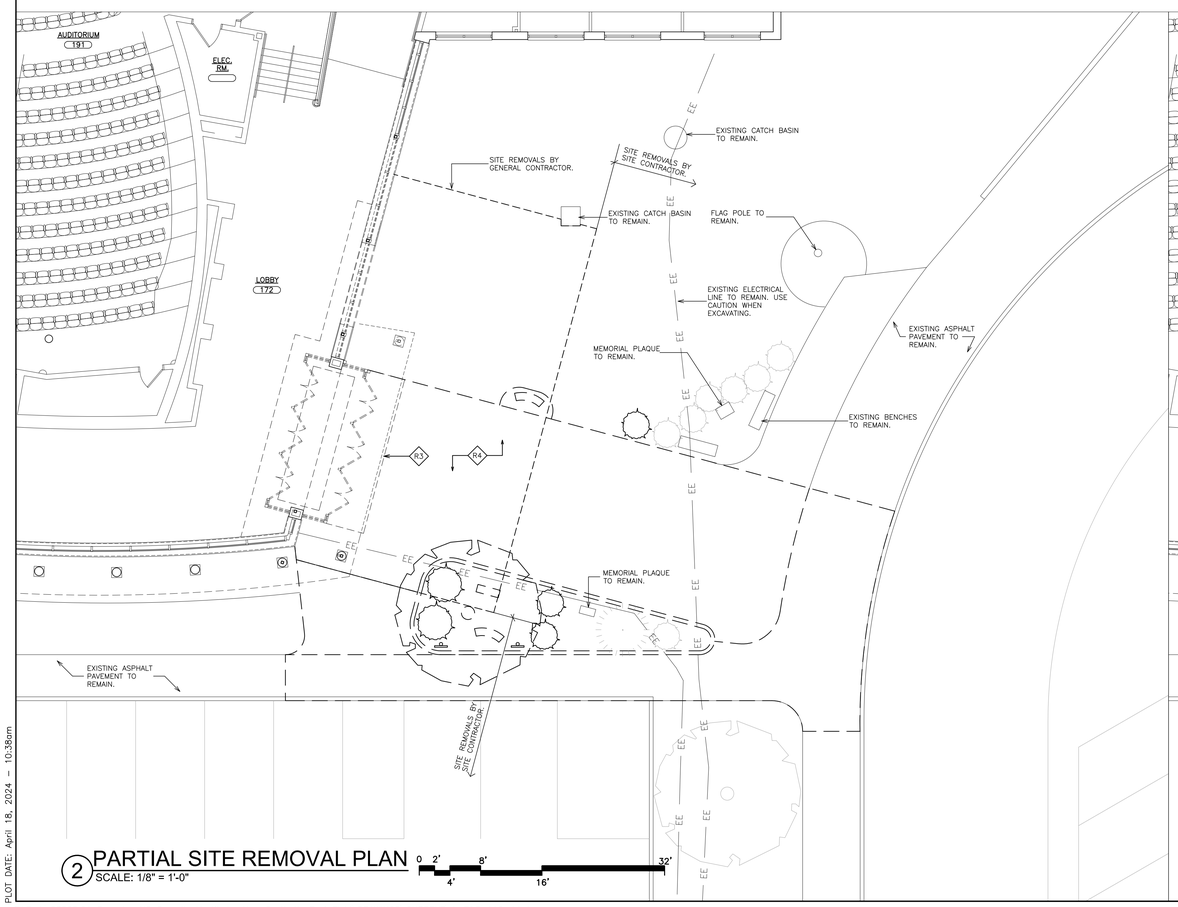
- R1 — SAW–CUT EXISTING PAVEMENT TO PROVIDE CLEAN EDGE FOR NEW PAVEMENT ABUTMENT.
- R2 — REMOVE EXISTING ASPHALT TOP COAT, BINDER COURSE, BASE AND SUBSOIL AS REQUIRED TO INSTALL NEW BITUMINOUS WALK.
- R3 — SAW–CUT & REMOVE EXISTING CONCRETE WALK, BASE, EXPANSION JOINTS AND ALL RELATED ITEMS. REMOVE EXISTING SUB–BASE TO ACCOMMODATE DEPTH OF NEW CONCRETE WALK SYSTEM.
- R4 — PRIOR TO REMOVAL, CLEAN, PHOTOGRAPH, CATALOG AND STORE EXISTING MEMORIAL BRICKS & PLAQUES FOR FUTURE REINSTALLATION.
- R5 — REMOVE EXISTING METAL GUARDRAILS AND POSTS. FILL EXISTING POST HOLES WITH HYDRAULIC CEMENT.

SITE WORKSCOPE NOTES:

- 1 — PROVIDE POURABLE SEALANT AT LINE OF CLEAN EDGE TRANSITION BETWEEN EXISTING AND NEW PAVEMENT. SEE DETAIL 5/A11.
- 2 — PROVIDE NEW CONCRETE WALKWAY SYSTEM & BASE. SEE DETAILS 4/A11.
- 3 — PROVIDE NEW ASPHALT WALKWAY AND BASE. SEE DETAIL 1/A11.
- 4 — PROVIDE ½" COMPRESSIBLE FILLER AND POURABLE SEALANT BETWEEN PAVEMENT AND BUILDING ELEMENTS. SEE DETAIL 5/A11.
- 5 — PROVIDE NEW GALVANIZED STEEL GUARDRAILS, POSTS & BALUSTRADES SET IN EXISTING POST HOLES WITH HYDRAULIC CEMENT. SEE DETAIL 6/A11.

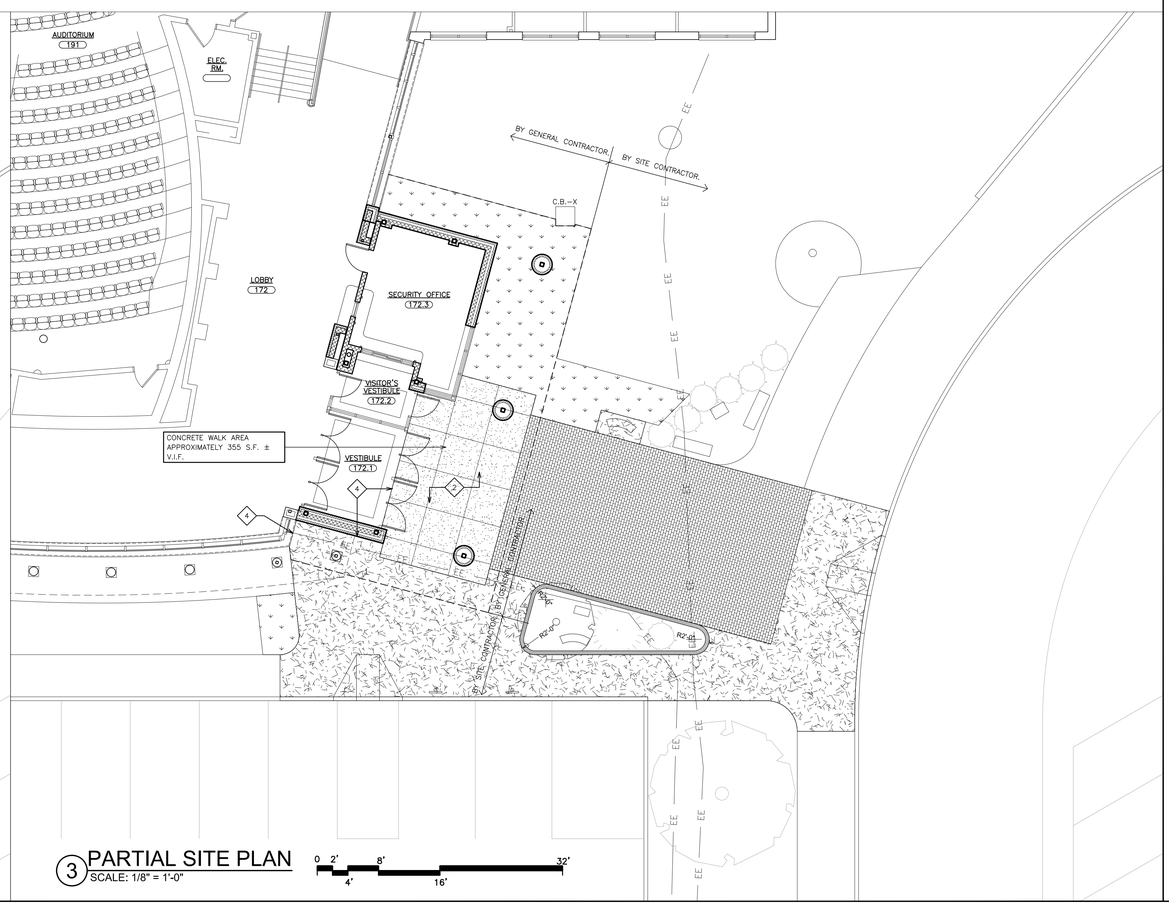
1 PARTIAL SITE PLAN
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'



2 PARTIAL SITE REMOVAL PLAN
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'



3 PARTIAL SITE PLAN
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

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
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERANGELO.COM
Copyright 2024 FULLER D'ANGELO P.C.

S.E.D. CONTROL NUMBER:

BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

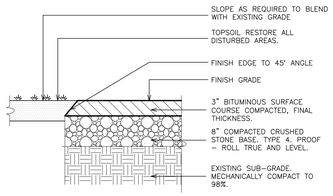
DRAWING TITLE
PARTIAL SITE REMOVAL PLAN & PARTIAL SITE PLANS

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE 30"x42" | DRAWING NO. BHS A10
SCALE AS NOTED | FILE NO. 23505.01
DRAWN BY F & D

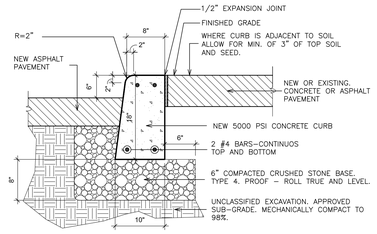
PLOT DATE: April 18, 2024 – 10:38am

FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1–F&D\A10–11.dwg

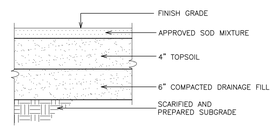


NOTE: ALL EXCAVATED SUBSOIL MATERIALS TO BE LEGALLY DISPOSED OFF SITE BY CONTRACTOR.

1 NEW ASPHALT WALK
SCALE: N.T.S.

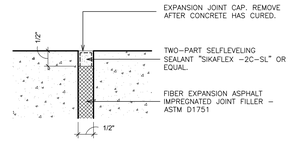


2 CONCRETE CURB DETAIL
SCALE: N.T.S. (STRAIGHT & RADIUSED)



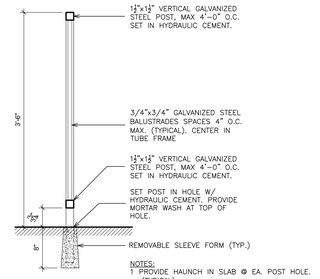
NOTE:
THIS WORK APPLIES TO ALL GRASS AREAS DISTURBED BY NEW WORK.

3 TOP SOIL & SOD SECTION
SCALE: N.T.S.



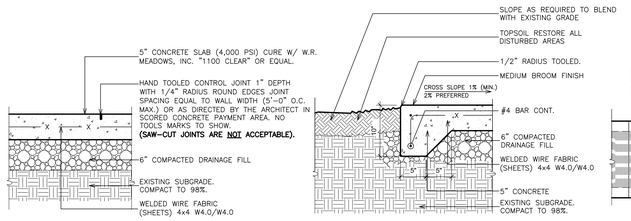
EXPANSION JOINT

5 CONCRETE EXPANSION JOINT
SCALE: N.T.S.

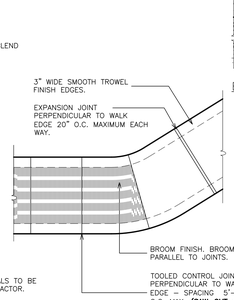


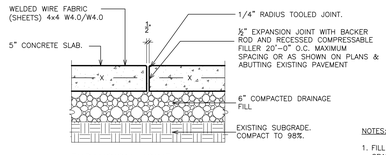
NOTES:
1 PROVIDE HAUNCH IN SLAB @ EA. POST HOLE. (TYPICAL)

6 DETAIL @ GUARDRAIL
SCALE: 1" = 1'–0"

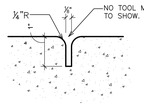


NOTE: ALL EXCAVATED SUBSOIL MATERIALS TO BE LEGALLY DISPOSED OFF SITE BY CONTRACTOR.





EXPANSION JOINT



CONTROL JOINT

NOTES: (CONCRETE SIDEWALKS)

1. FILL (SOIL MATERIALS) SHALL BE USED AS BACKFILL TO RAISE GRADES. ASTM D 2487. PLACE AND COMPACT ALL FILL IN 6" LAYERS.
2. SELECT FILL SHALL BE USED TO RAISE GRADES SUPPORTING WALKS. ASTM – D 2487
3. PROVIDE NECESSARY EROSION CONTROL.
4. WELDED WIRE FABRIC SHALL BE FABRICATED FROM PLAIN STEEL. ASTM A 185.
5. PROVIDE DRAINAGE FILL UNDER ALL CONCRETE WALKS. ASTM 448. COMPACT TO 98%.
6. ALL CONCRETE NORMAL WEIGHT AIR–ENTRAINED, 4,000 PSI.
7. SUBMIT CONCRETE DESIGN MIX TO ARCHITECT FOR APPROVAL PRIOR TO PLACEMENT OF CONCRETE. SUBMIT TEST REPORTS OF SAMPLED MATERIAL AFTER PLACEMENT.
8. GRASS SEED SHALL BE PERENNIAL AND MATCH EXISTING LAWN AREAS.
9. FORMS SHALL BE STEEL OR DIMENSIONAL LUMBER
10. ALL REINFORCING TO BE EPOXY COATED.
11. ALL CONTROL & EXPANSION JOINTS MUST BE TOOLED. SAW–CUT JOINTS ARE NOT ACCEPTABLE.

4 CONCRETE SIDEWALK DETAILS
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.

FULLER D'ANGELO P.C. ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.3444 FAX 914.592.1717
WWW.FULLERANDDANGELO.COM
Copyright 2024 FULLER D'ANGELO P.C.

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

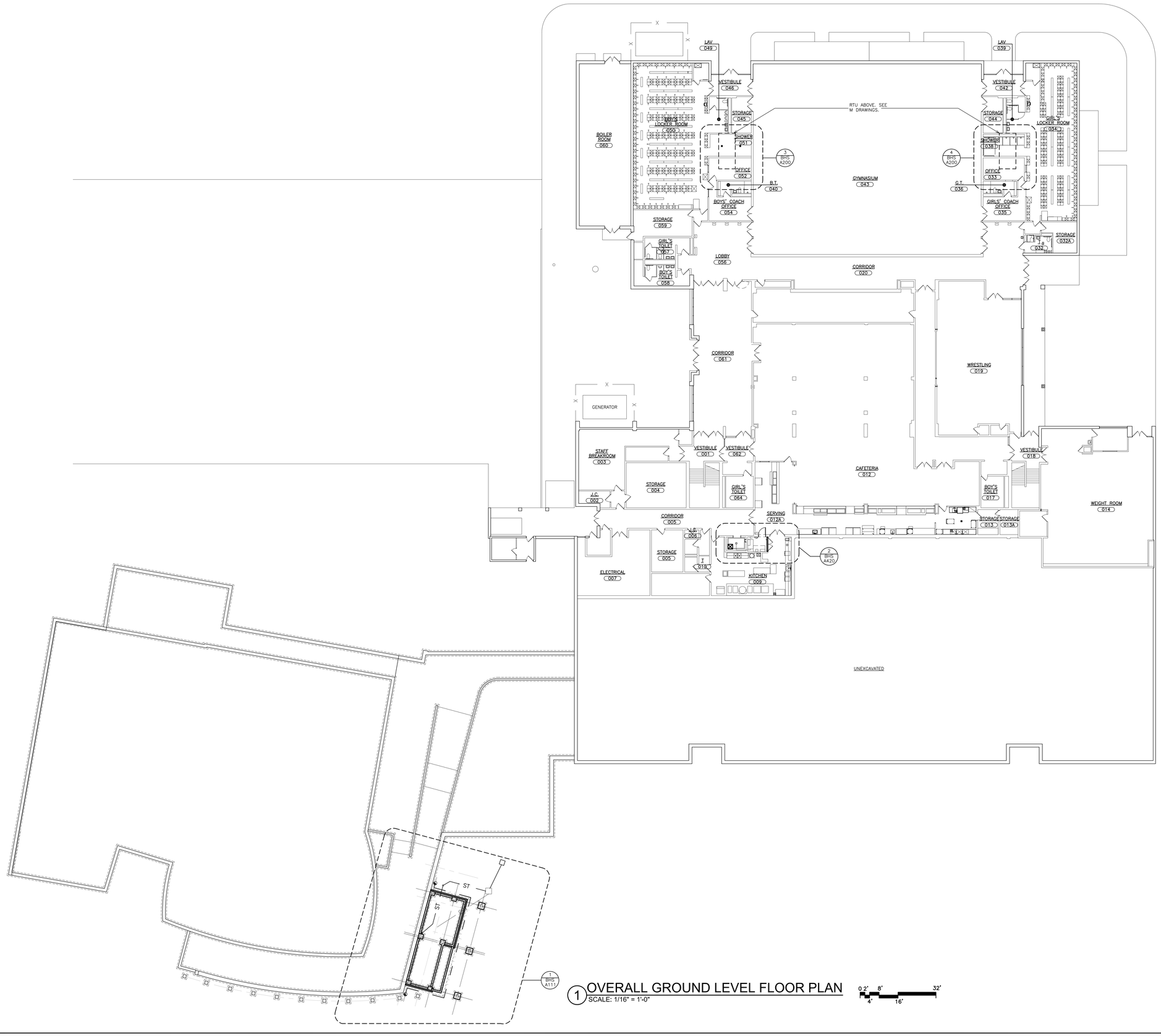
DRAWING TITLE
SITE DETAILS

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. BHS A11
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.01

PLOT DATE: April 18, 2024 – 10:38am

FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1–F&D\A10–11.dwg



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

0 2' 4' 8' 16' 32'

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
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERANGELO.COM
Copyright 2024 FULLER D'ANGELO P.C.

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
RECORD TVESTIBULE, SYNTHETIC FIELD &
RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

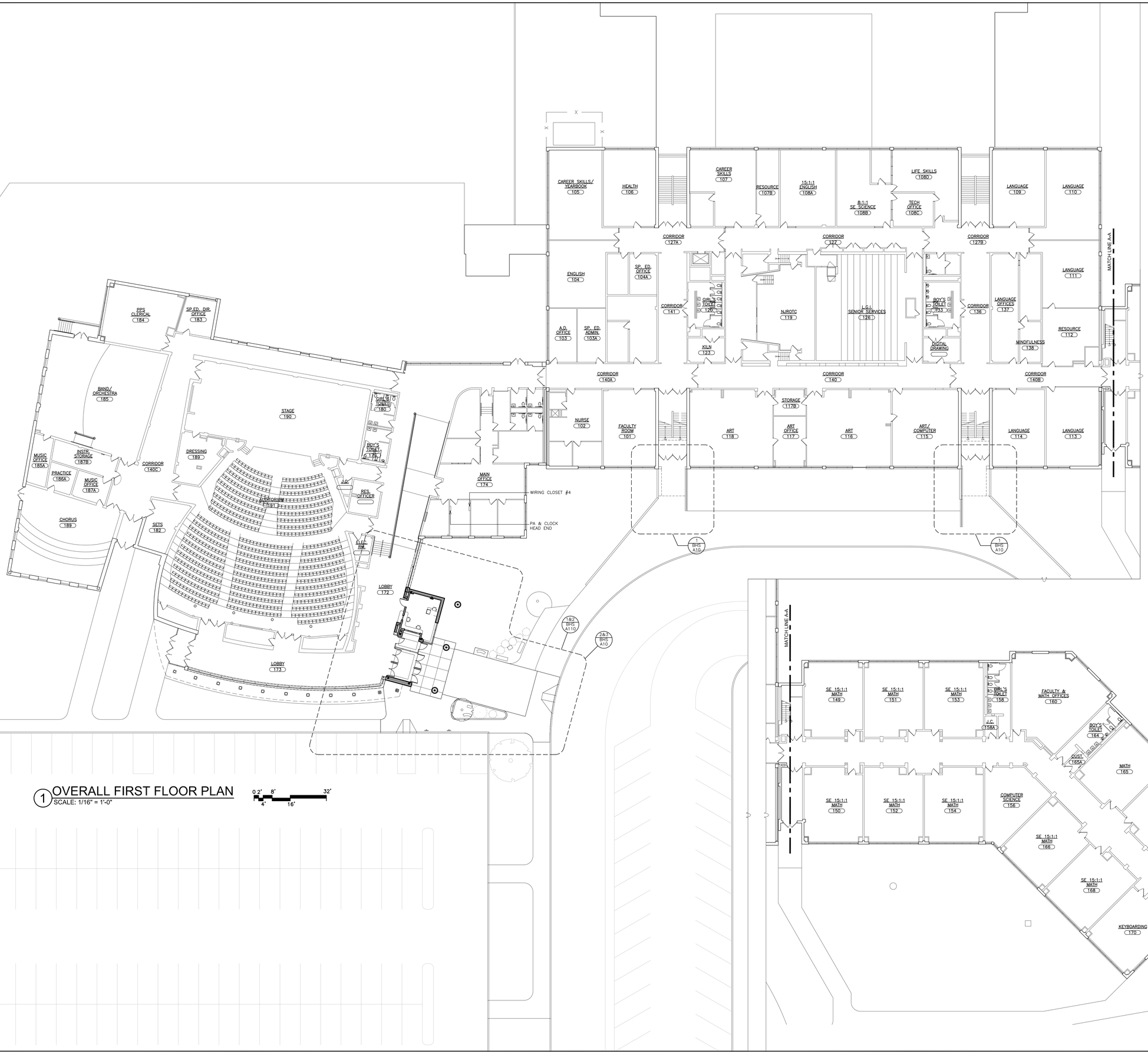
DRAWING TITLE
OVERALL GROUND LEVEL FLOOR PLAN

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. BHS A100
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.01

PLOT DATE: April 18, 2024 - 10:35am

FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A100.dwg



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

0 2' 4' 8' 16' 32'

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
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERANDDANGELO.COM
Copyright 2024 FULLER D'ANGELO P.C.

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE; SYNTHETIC FIELD & SECURITY WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

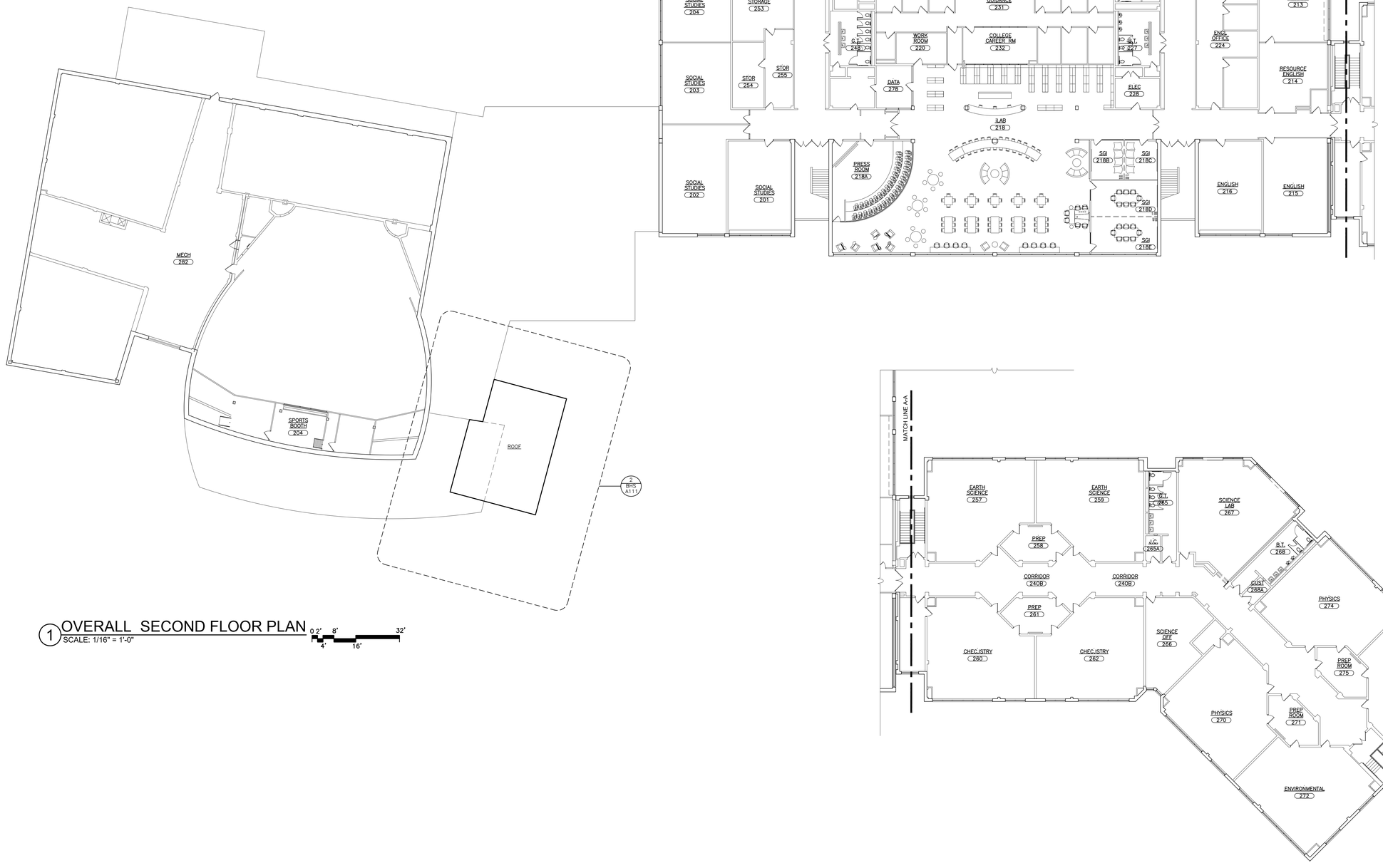
DRAWING TITLE
OVERALL FIRST FLOOR PLAN

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. BHS A101
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.01

PLOT DATE: April 18, 2024 - 10:34am

FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A101.dwg



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

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
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERANDDANGELO.COM
Copyright 2024 FULLER D'ANGELO P.C.

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGARTOWN ROAD BREWSTER, NY 10509

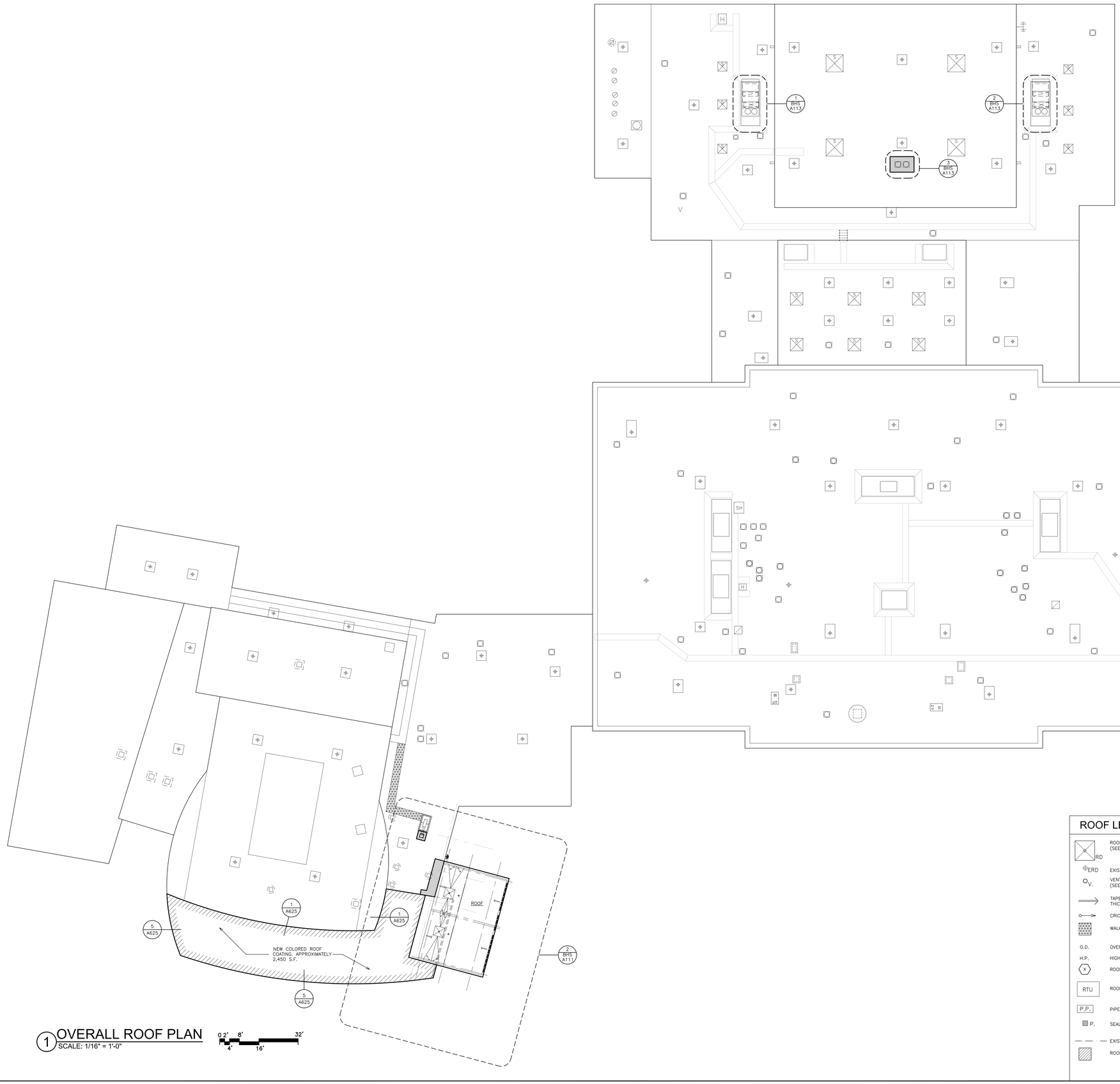
DRAWING TITLE
OVERALL SECOND FLOOR PLAN

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: BHS A102
SCALE: AS NOTED
DRAWN BY: F & D
FILE NO.: 23505.01

PLOT DATE: April 18, 2024 - 10:33am

FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A102.dwg



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

ROOF LEGEND

- RD — ROOF DRAIN WITH SUMP (SEE DETAILS 19/A626)
- ERD — EXISTING ROOF DRAIN
- V. — VENT PIPE (SEE DETAIL)
- TAPERED ISOCYANURATE INSULATION, MIN 5½" THICK. SLOPE 1/4"/FOOT. (TYPICAL)
- CRICKET. SLOPE 1/2"/FOOT. (TYPICAL)
- WALKWAY PADS
- O.D. — OVERFLOW DRAIN (SEE DETAILS 20/A626)
- H.P. — HIGH POINT
- X — ROOF AREA DESIGNATION
- RTU — ROOF TOP UNIT (SEE DETAIL)
- P.P. — PIPE PORTAL. (SEE DETAIL 10/A625)
- P. — SEALANT POCKET. (SEE DETAIL 11/A626)
- EXISTING EXPANSION JOINT
- ROOF PATCHING. SEE DETAIL 8/A625.

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. FOR LIGHTNING PROTECTION SYSTEM. SEE E-DWGS.
4. 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.
5. 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.
6. CONTRACTOR TO MAINTAIN WATER TIGHTNESS OF BUILDING AT ALL TIMES.
7. TEST THE EXISTING DRAIN LINES WITH A RUNNING HOSE FOR AT LEAST ONE HOUR PRIOR TO STARTING ANY OTHER WORK. PROVIDE A WRITTEN REPORT OF ANY CLOGGED LINES TO THE ARCHITECT & OWNER. CLOGGED DRAIN LINES WILL BE CLEANED BY THE OWNER.
   - 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.

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
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.4444 FAX 914.592.1717
WWW.FULLERANDD.COM
Copyright 2024 FULLER D'ANGELO P.C.

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

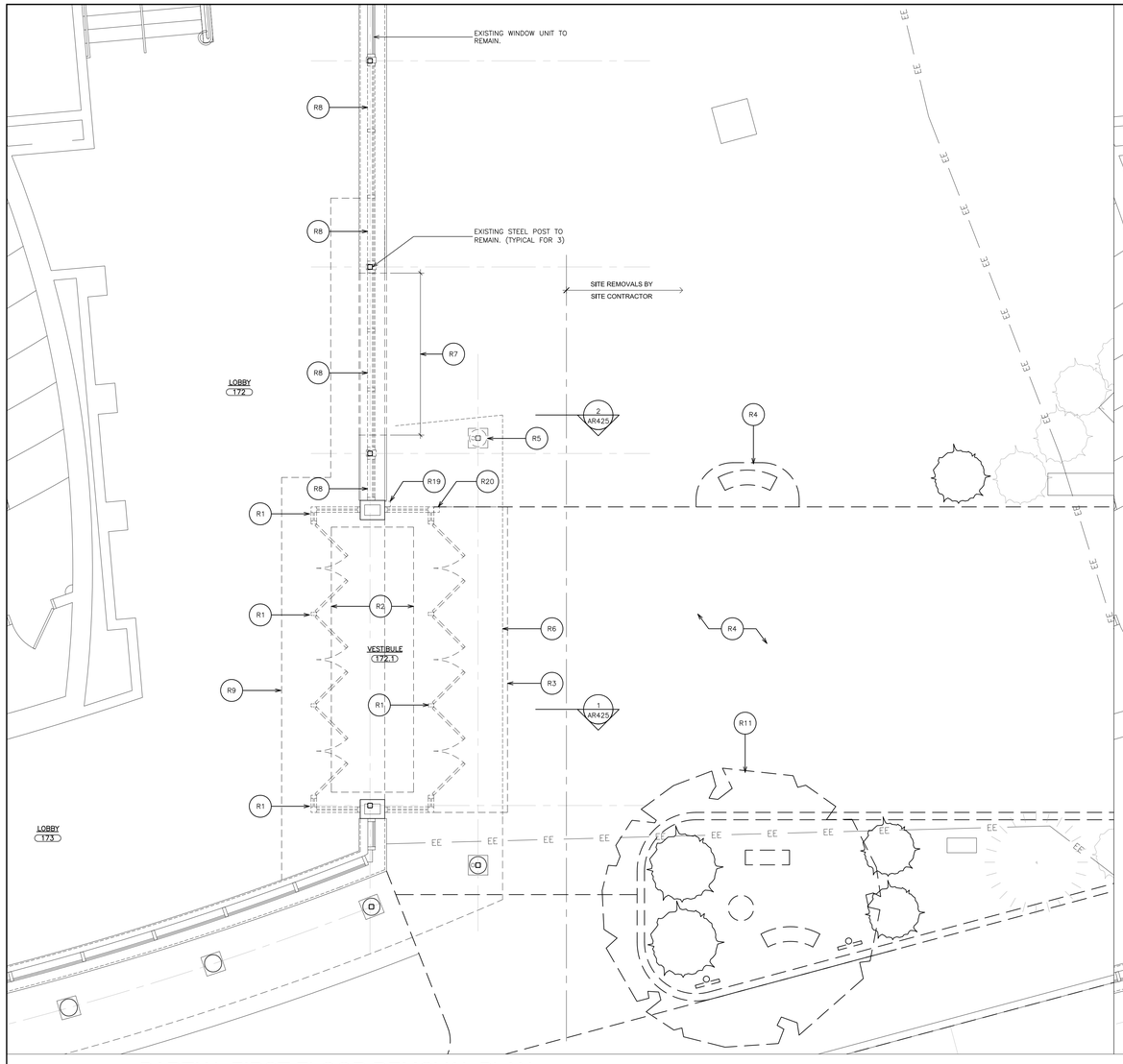
PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
OVERALL ROOF PLAN

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE 30"x42" | DRAWING NO. BHS A103
SCALE AS NOTED | FILE NO. 23505.01
DRAWN BY F & D

PLOT DATE: April 18, 2024 - 10:35am
FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A103.dwg



1 PARTIAL FIRST FLOOR REMOVAL PLAN

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

0 2' 4' 8' 16'

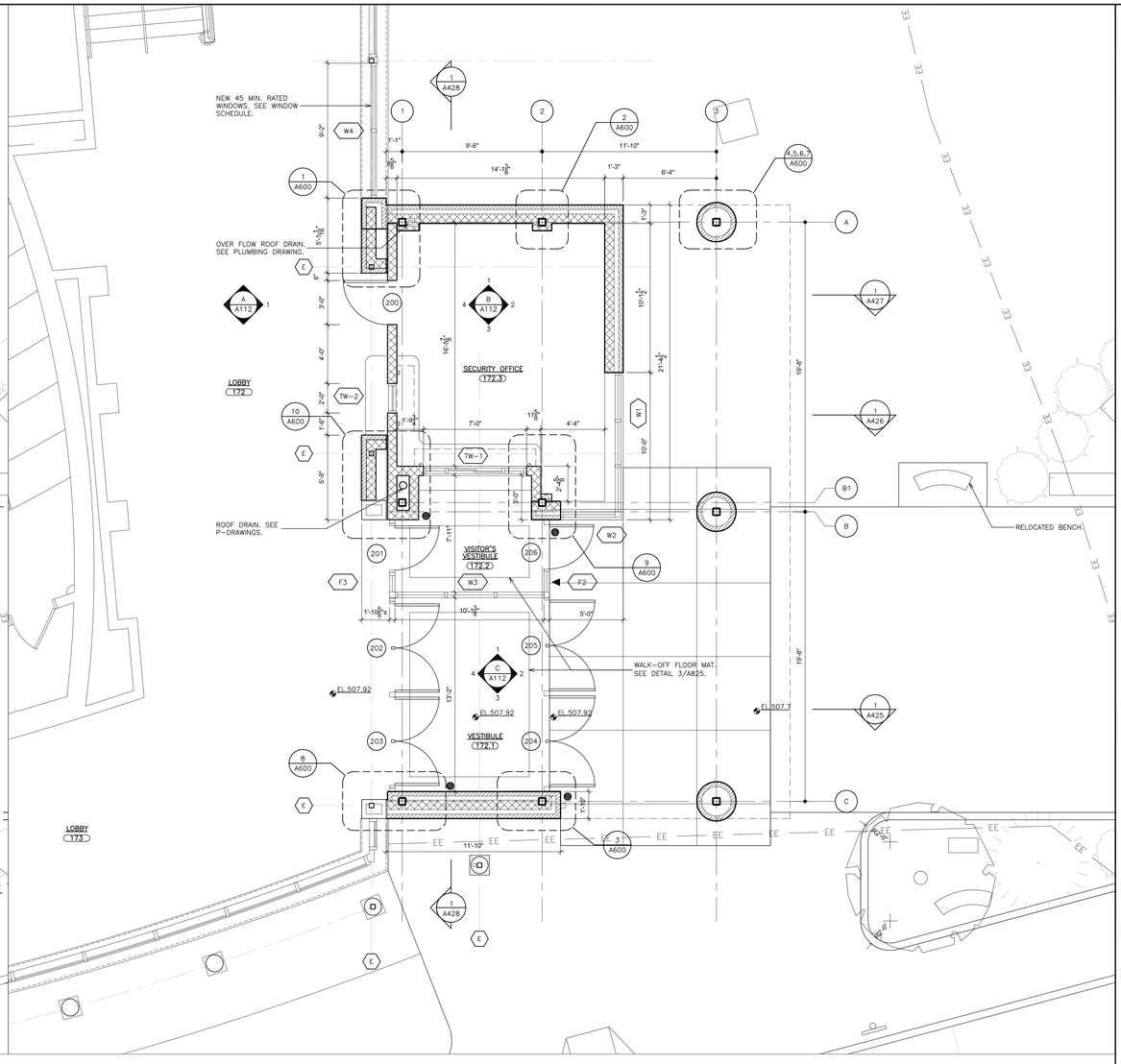
REMOVAL NOTES:

- R1 REMOVE EXISTING ALUMINUM STOREFRONT SYSTEM, DOORS, HARDWARE, CLIPS AND ALL RELATED ITEMS. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES.
- R2 REMOVE EXISTING RECESSED FLOOR MAT AND FRAME ASSEMBLY.
- R3 SAW-CUT AND REMOVE EXISTING CONCRETE PAD, SEALANTS AND ALL RELATED ITEMS.
- R4 REMOVE CLEAN, CATALOG AND STORE EXISTING MEMORIAL BRICKS & PLAQUES FOR FUTURE REINSTALLATION.
- R5 REMOVE EXISTING COLUMN, COVER, FOUNDATION, FOOTING AND ALL RELATED ITEMS. PROVIDE SUPPORT TO EXISTING ROOF ABOVE.
- R6 REMOVE PORTION OF EXISTING ROOF STRUCTURE. SEE STRUCTURAL DRAWINGS.
- R7 REMOVE PORTION OF EXISTING BRICK/CMU WALL FROM SILL TO FLOOR SLAB. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES.
- R8 REMOVE STOREFRONT WINDOW UNIT(S), SEALANTS, TRIM, WINDOW TREATMENTS AND ALL RELATED ITEMS.
- R9 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.
- R10 REMOVE EXISTING CONCRETE FROST WALL & FOOTING IS PRESENT.
- R11 REMOVE EXISTING TREE AND ROOT SYSTEM.
- R12 REMOVE EXISTING SUSPENDED CEILING ASSEMBLY INCLUDING CLIPS, HANGERS, WALL TRIM, BLACK IRON, PANELS AND ASSOCIATED ITEMS.
- R13 REMOVE EXISTING DOORS, METAL FRAMES, TRANSOMS, SADDLES, SIDELITES AND ALL RELATED ITEMS. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES.
- R14 SAW-CUT AND REMOVE PORTION OF EXISTING CMU PARTITION FOR INSTALLATION OF NEW DOOR/OPENING. WORK IN A MANNER WHICH PROVIDES CONTINUOUS SUPPORT OF MASONRY ABOVE.
- R15 EXISTING ELEVATOR EQUIPMENT. TO BE REMOVED BY ELEVATOR CONTRACTOR.
- R16 EXISTING LIGHT FIXTURE TO BE REMOVED BY E-CONTRACTOR. SEE ELECTRICAL DRAWINGS.
- R17 REHABILITATE AND MODERNIZE EXISTING ELEVATOR, MACHINERY AND CONTROLS. BY ELEVATOR CONTRACTOR
- R18 REMOVE PORTION OF EXISTING ROOF, STEEL DECK AND SUPPORT BEAMS. SEE STRUCTURAL DRAWINGS FOR FURTHER INFORMATION.
- R19 REMOVE EXISTING KNOX BOX AND TURN OVER TO OWNER.
- R20 REMOVE EXISTING VIDEO DOOR STATION UNIT AND TURN OVER TO OWNER.
- R21 REMOVE EXISTING GYPSUM BOARD SOFFIT, FRAMING AND ALL RELATED ITEMS.
- R22 EXISTING LIGHT FIXTURE TO BE REMOVED AND REINSTALL UPON COMPLETION OF DUCT CONNECTIONS.
- R23 REMOVE AND DISCARD PORTION OF EXISTING ACOUSTICAL PANEL CEILING. MODIFY EXISTING CEILING GRID TO ACCOMMODATE INSTALLATION OF NEW PLUMBING PIPING.

COORDINATE ALL REMOVALS WITH ASBESTOS AND LEAD ABATEMENT DRAWINGS AND SPECIFICATIONS.

WORKSCOPE NOTES:

- WS1 PROVIDE NEW DOOR IN EXISTING FRAME AND HARDWARE. SEE DOOR DETAILS & DOOR SCHEDULE.
- WS2 PROVIDE CMU PARTITION TOOTH INTO ADJACENT MASONRY / INFILL. CMU THICK TO MATCH EXISTING. BLOCK FILL, PRIME & PAINT.
- WS3 PROVIDE SUSPENDED ACOUSTICAL CEILING SYSTEM & ALL RELATED ITEMS. ELECTRICAL CONTRACTOR TO PROVIDE NEW LIGHT FIXTURES & CEILING MOUNTED DEVICES. COORDINATE INSTALLATION. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. SEE DETAILS A651.
- WS4 INSTALL FRP DOOR, ALUMINUM THERMALLY BROKEN DOOR FRAME AND HARDWARE. SEE DOOR DETAILS & SCHEDULE.
- WS5 INSTALL NEW ALUMINUM WINDOW ASSEMBLY AND RELATED ITEMS AS PER DETAILS AND SPECIFICATIONS.
- WS6 PROVIDE ROLLER SHADE ASSEMBLY. ONE PER WINDOW BAY (TYPICAL). SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- WS7 PROVIDE MOISTURE MITIGATION MEMBRANE ON 100% FLOOR SURFACE.
- WS8 PROVIDE CEMENT-BASED SELF-LEVELING UNDERLAYMENT TO ACHIEVE FLUSH CONDITION WITH ADJACENT FLOOR(S) ON 100% FLOOR SURFACE.
- WS9 PROVIDE FLOOR FINISH. SEE FINISH SCHEDULE AND FINISH PLANS.
- WS10 INFILL OPENING WITH BRICK, INSULATION, CMU BACK-UP BLOCK AND GYPSUM BOARD. PRIME & PAINT. TOOTH MASONRY INTO EXISTING ADJACENT MASONRY. PROVIDE ALL MASONRY TIES (GALVANIZED). BRICK TO MATCH EXISTING ADJACENT COLOR TEXTURE.
- WS11 PROVIDE GYPSUM BOARD CEILING, FRAMING SYSTEM & ALL RELATED ITEMS. ELECTRICAL CONTRACTOR TO PROVIDE NEW LIGHT FIXTURES & CEILING MOUNTED DEVICES. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- WS12 PROVIDE NEW ACOUSTICAL CEILING PANELS IN EXISTING GRID CUT AS REQUIRED. PROVIDE WALL ANGLES AND RUNNERS SUPPORTS AS REQUIRED.
- WS13 PROVIDE NEW 60 MIL. EPDM FLASHING TO EXISTING CURB.



2 PARTIAL FIRST FLOOR PLAN

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

0 2' 4' 8' 16'

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.

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.

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
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERDANGELO.COM
MEMBER OF AIA NEW YORK CHAPTER & AIA NEW YORK STATE

Copyright 2024

S.E.D. CONTROL NUMBER:

BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

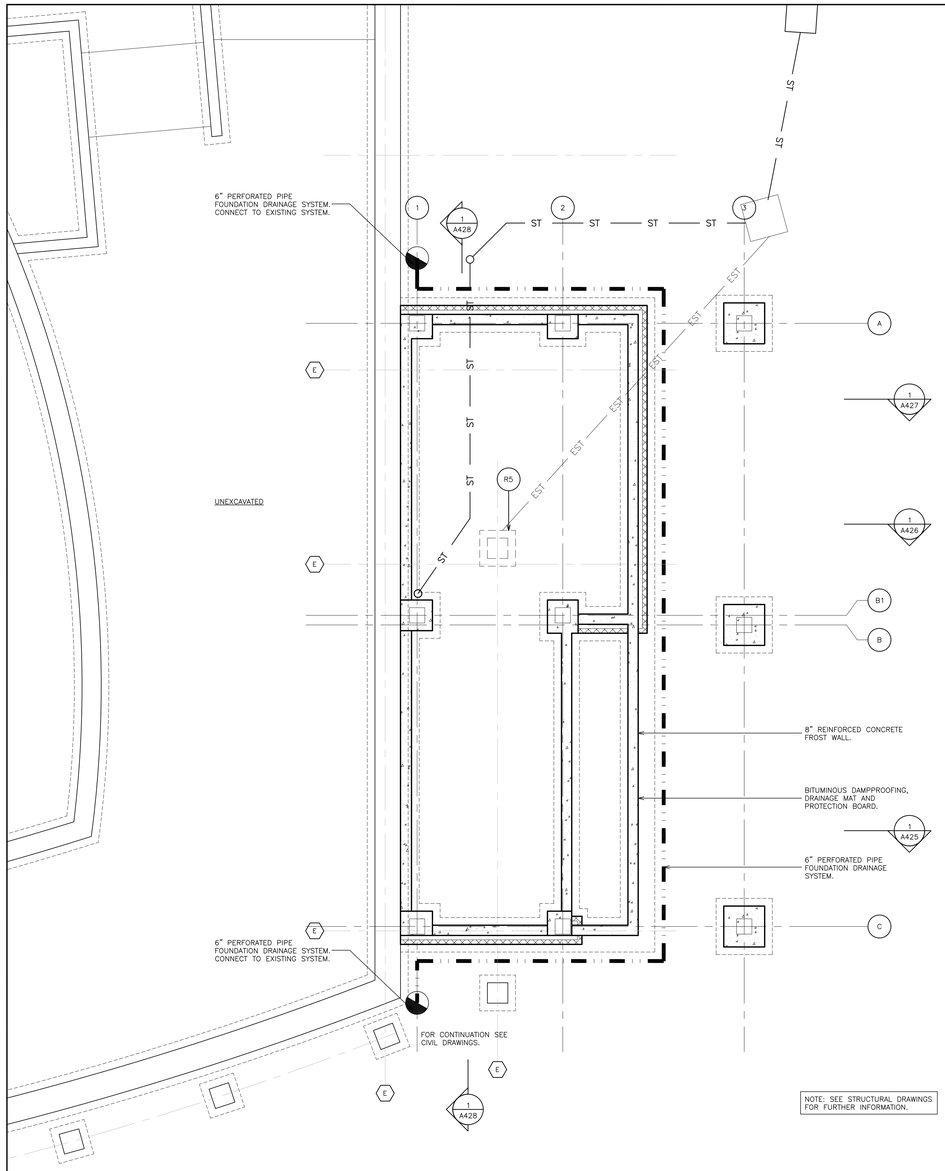
DRAWING TITLE
PARTIAL FIRST FLOOR REMOVAL PLAN & PARTIAL FIRST FLOOR PLAN

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. BHS A110
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.01

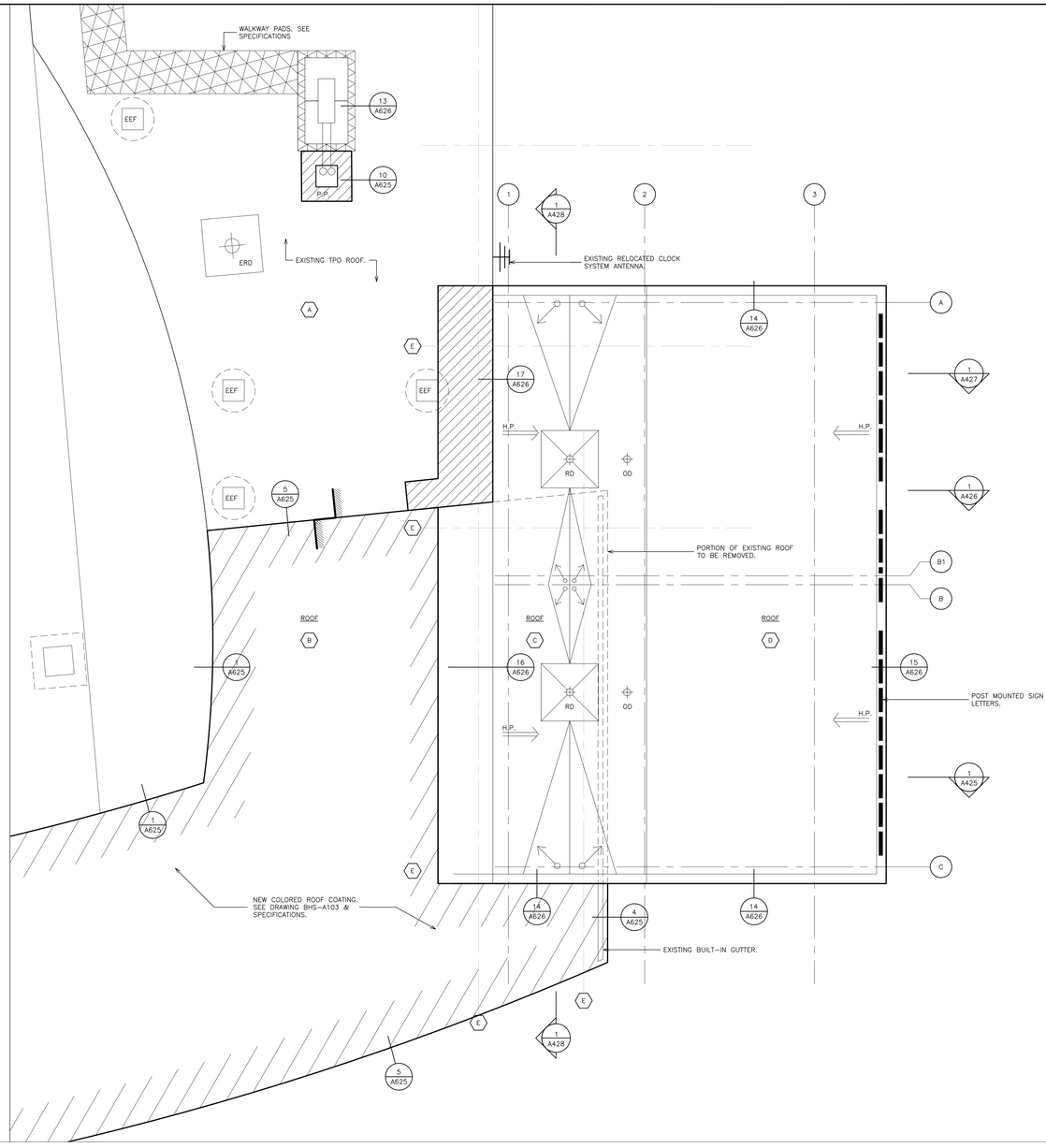
PLOT DATE: April 19, 2024 - 8:51am

FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A110-111.dwg



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

0 2' 4' 8' 16'



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

0 2' 4' 8' 16'

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

- 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

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	METAL	EXISTING	EXISTING	EXISTING
B	METAL	EXISTING	EXISTING	EXISTING
C	METAL	5.5"	7.1"	41.2
D	METAL	5.5"	5.5"	31.9

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.

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

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 LEGEND

- RD — ROOF DRAIN WITH SUMP (SEE DETAILS 19/A626)
- ERD — EXISTING ROOF DRAIN
- V. — VENT PIPE (SEE DETAIL)
- TAPERED ISOCYANURATE INSULATION, MIN 5½" THICK. SLOPE 1/4"/FOOT. (TYPICAL)
- CRICKET. SLOPE 1/2"/FOOT. (TYPICAL)
- WALKWAY PADS
- O.D. — OVERFLOW DRAIN (SEE DETAILS 20/A626)
- H.P. — HIGH POINT
- X — ROOF AREA DESIGNATION
- RTU — ROOF TOP UNIT (SEE DETAIL)
- P.P. — PIPE PORTAL. (SEE DETAIL 10/A625)
- P. — SEALANT POCKET. (SEE DETAIL 11/A626)
- EXISTING EXPANSION JOINT
- ROOF PATCHING. SEE DETAIL 8/A625.

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. FOR LIGHTNING PROTECTION SYSTEM. SEE E-DWGS.
4. 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.
5. 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.
6. CONTRACTOR TO MAINTAIN WATER TIGHTNESS OF BUILDING AT ALL TIMES.
7. TEST THE EXISTING DRAIN LINES WITH A RUNNING HOSE FOR AT LEAST ONE HOUR PRIOR TO STARTING ANY OTHER WORK. PROVIDE A WRITTEN REPORT OF ANY CLOGGED LINES TO THE ARCHITECT & OWNER. CLOGGED DRAIN LINES WILL BE CLEANED BY THE OWNER.
   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.

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
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERANGELO.COM
Copyright 2024 FULLER D'ANGELO P.C.

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

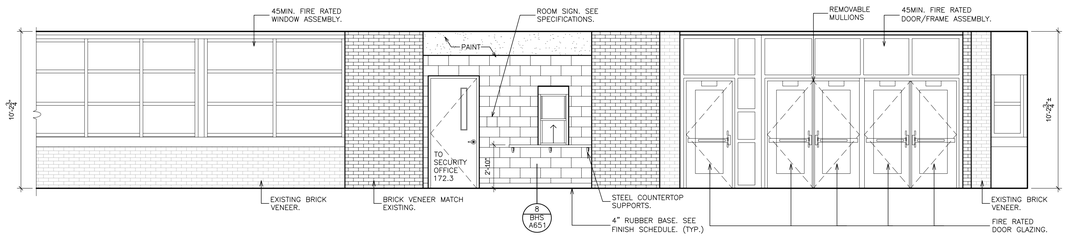
DRAWING TITLE
PARTIAL BASEMENT PLAN & PARTIAL ROOF PLAN

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE 30"x42" | DRAWING NO. BHS A111
SCALE AS NOTED
DRAWN BY F & D | FILE NO. 23505.01

PLOT DATE: April 18, 2024 - 10:44am

FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A110-111.dwg

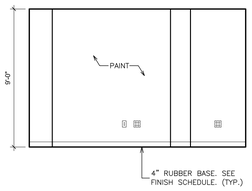


ELEVATION 1

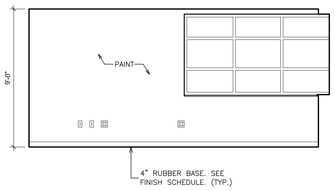
A INTERIOR ELEVATION- LOBBY

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

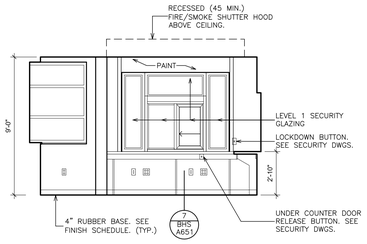
0 2' 4' 8' 16'



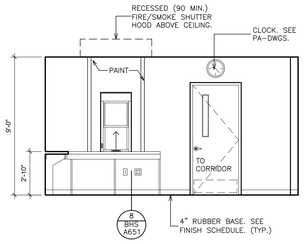
ELEVATION 1



ELEVATION 2



ELEVATION 3

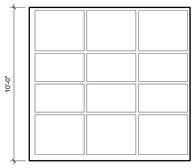


ELEVATION 4

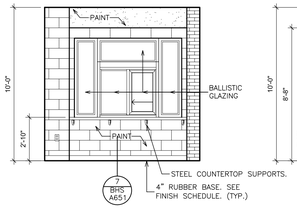
B INTERIOR ELEVATION- SECURITY OFFICE

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

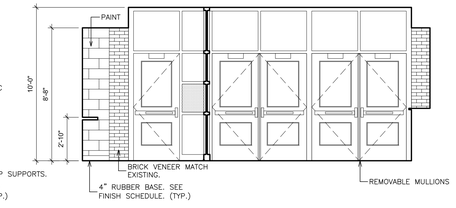
0 2' 4' 8' 16'



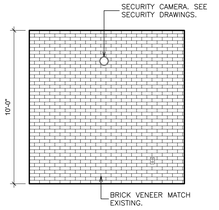
ELEVATION 1A



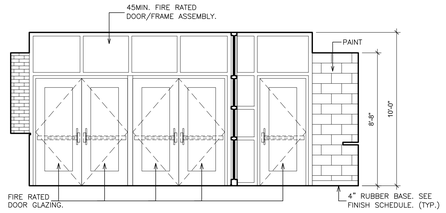
ELEVATION 1B



ELEVATION 2



ELEVATION 3

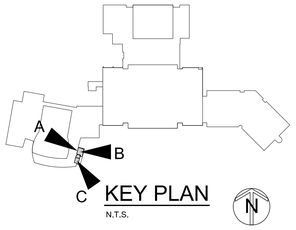


ELEVATION 4

C INTERIOR ELEVATION- VESTIBULE

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

0 2' 4' 8' 16'



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.

48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.3444 FAX 914.592.1717
WWW.FULLERDANGELO.COM

Copyright 2024 FULLER D'ANGELO ARCHITECTS & PLANNERS, P.C.

FULLER D'ANGELO P.C. ARCHITECTS PLANNERS

S.E.D. CONTROL NUMBER:

BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
RECONFIG. VESTIBULE, SYNTHETIC FIELD &
RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

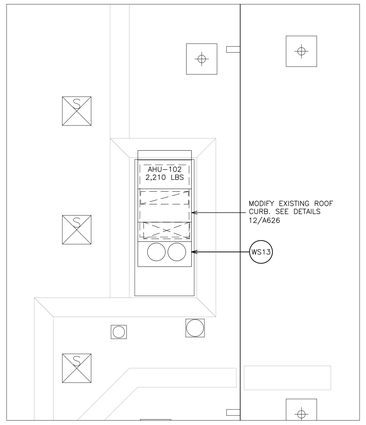
DRAWING TITLE
INTERIOR ELEVATIONS

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

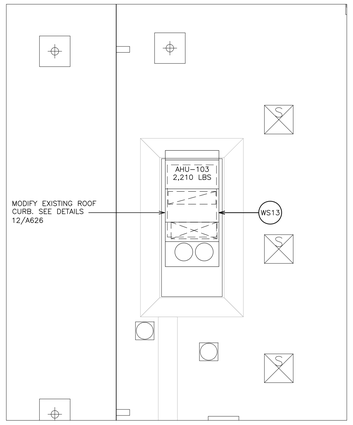
SHEET SIZE 30"x42"
DRAWING NO. BHS A112
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.01

PLOT DATE: April 18, 2024 - 10:45am

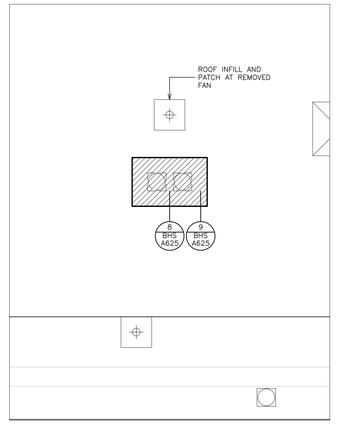
FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A112.dwg



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



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



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

REMOVAL NOTES:

- R1 REMOVE EXISTING ALUMINUM STOREFRONT SYSTEM, DOORS, HARDWARE, CLIPS AND ALL RELATED ITEMS. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES.
- R2 REMOVE EXISTING RECESSED FLOOR MAT AND FRAME ASSEMBLY.
- R3 SAW-CUT AND REMOVE EXISTING CONCRETE PAD, SEALANTS AND ALL RELATED ITEMS.
- R4 REMOVE CLEAN, CATALOG AND STORE EXISTING MEMORIAL BRICKS & PLAQUES FOR FUTURE REINSTALLATION.
- R5 REMOVE EXISTING COLUMN, COVER, FOUNDATION, FOOTING AND ALL RELATED ITEMS. PROVIDE SUPPORT TO EXISTING ROOF ABOVE.
- R6 REMOVE PORTION OF EXISTING ROOF STRUCTURE. SEE STRUCTURAL DRAWINGS.
- R7 REMOVE PORTION OF EXISTING BRICK/CMU WALL FROM SILL TO FLOOR SLAB. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES.
- R8 REMOVE STOREFRONT WINDOW UNIT(S), SEALANTS, TRIM, WINDOW TREATMENTS AND ALL RELATED ITEMS.
- R9 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.
- R10 REMOVE EXISTING CONCRETE FROST WALL & FOOTING IS PRESENT.
- R11 REMOVE EXISTING TREE AND ROOT SYSTEM.
- R12 REMOVE EXISTING SUSPENDED CEILING ASSEMBLY INCLUDING CLIPS, HANGERS, WALL TRIM, BLACK IRON, PANELS AND ASSOCIATED ITEMS.
- R13 REMOVE EXISTING DOORS, METAL FRAMES, TRANSOMS, SADDLES, SIDELITES AND ALL RELATED ITEMS. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES.
- R14 SAW-CUT AND REMOVE PORTION OF EXISTING CMU PARTITION FOR INSTALLATION OF NEW DOOR/OPENING. WORK IN A MANNER WHICH PROVIDES CONTINUOUS SUPPORT OF MASONRY ABOVE.
- R15 EXISTING ELEVATOR EQUIPMENT. TO BE REMOVED BY ELEVATOR CONTRACTOR.
- R16 EXISTING LIGHT FIXTURE TO BE REMOVED BY E-CONTRACTOR. SEE ELECTRICAL DRAWINGS.
- R17 REHABILITATE AND MODERNIZE EXISTING ELEVATOR, MACHINERY AND CONTROLS. BY ELEVATOR CONTRACTOR
- R18 REMOVE PORTION OF EXISTING ROOF, STEEL DECK AND SUPPORT BEAMS. SEE STRUCTURAL DRAWINGS FOR FURTHER INFORMATION.
- R19 REMOVE EXISTING KNOX BOX AND TURN OVER TO OWNER.
- R20 REMOVE EXISTING VIDEO DOOR STATION UNIT AND TURN OVER TO OWNER.
- R21 REMOVE EXISTING GYPSUM BOARD SOFFIT, FRAMING AND ALL RELATED ITEMS.
- R22 EXISTING LIGHT FIXTURE TO BE REMOVED AND REINSTALL UPON COMPLETION OF DUCT CONNECTIONS.
- R23 REMOVE AND DISCARD PORTION OF EXISTING ACOUSTICAL PANEL CEILING. MODIFY EXISTING CEILING GRID TO ACCOMMODATE INSTALLATION OF NEW PLUMBING PIPING.

COORDINATE ALL REMOVALS WITH ASBESTOS AND LEAD ABATEMENT DRAWINGS AND SPECIFICATIONS.

WORKSCOPE NOTES:

- WS1 PROVIDE NEW DOOR IN EXISTING FRAME AND HARDWARE. SEE DOOR DETAILS & DOOR SCHEDULE.
- WS2 PROVIDE CMU PARTITION TOOTH INTO ADJACENT MASONRY / INFILL. CMU THICK TO MATCH EXISTING. BLOCK FILL, PRIME & PAINT.
- WS3 PROVIDE SUSPENDED ACOUSTICAL CEILING SYSTEM & ALL RELATED ITEMS. ELECTRICAL CONTRACTOR TO PROVIDE NEW LIGHT FIXTURES & CEILING MOUNTED DEVICES. COORDINATE INSTALLATION. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. SEE DETAILS A651.
- WS4 INSTALL FRP DOOR, ALUMINUM THERMALLY BROKEN DOOR FRAME AND HARDWARE. SEE DOOR DETAILS & SCHEDULE.
- WS5 INSTALL NEW ALUMINUM WINDOW ASSEMBLY AND RELATED ITEMS AS PER DETAILS AND SPECIFICATIONS.
- WS6 PROVIDE ROLLER SHADE ASSEMBLY. ONE PER WINDOW BAY (TYPICAL). SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- WS7 PROVIDE MOISTURE MITIGATION MEMBRANE ON 100% FLOOR SURFACE.
- WS8 PROVIDE CEMENT-BASED SELF-LEVELING UNDERLAYMENT TO ACHIEVE FLUSH CONDITION WITH ADJACENT FLOOR(S) ON 100% FLOOR SURFACE.
- WS9 PROVIDE FLOOR FINISH. SEE FINISH SCHEDULE AND FINISH PLANS.
- WS10 INFILL OPENING WITH BRICK, INSULATION, CMU BACK-UP BLOCK AND GYPSUM BOARD. PRIME & PAINT. TOOTH MASONRY INTO EXISTING ADJACENT MASONRY. PROVIDE ALL MASONRY TIES (GALVANIZED). BRICK TO MATCH EXISTING ADJACENT COLOR TEXTURE.
- WS11 PROVIDE GYPSUM BOARD CEILING, FRAMING SYSTEM & ALL RELATED ITEMS. ELECTRICAL CONTRACTOR TO PROVIDE NEW LIGHT FIXTURES & CEILING MOUNTED DEVICES. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- WS12 PROVIDE NEW ACOUSTICAL CEILING PANELS IN EXISTING GRID CUT AS REQUIRED. PROVIDE WALL ANGLES AND RUNNERS SUPPORTS AS REQUIRED.
- WS13 PROVIDE NEW 60 MIL. EPDM FLASHING TO EXISTING CURB.

ROOF LEGEND

- RD — ROOF DRAIN WITH SUMP (SEE DETAILS 19/A626)
- ERD — EXISTING ROOF DRAIN
- V. — VENT PIPE (SEE DETAIL)
- TAPERED ISOCYANURATE INSULATION, MIN 5½" THICK. SLOPE 1/4"/FOOT. (TYPICAL)
- CRICKET. SLOPE 1/2"/FOOT. (TYPICAL)
- WALKWAY PADS
- O.D. — OVERFLOW DRAIN (SEE DETAILS 20/A626)
- H.P. — HIGH POINT
- X — ROOF AREA DESIGNATION
- RTU — ROOF TOP UNIT (SEE DETAIL)
- P.P. — PIPE PORTAL. (SEE DETAIL 10/A625)
- P. — SEALANT POCKET. (SEE DETAIL 11/A626)
- EXISTING EXPANSION JOINT
- ROOF PATCHING. SEE DETAIL 8/A625.

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. FOR LIGHTNING PROTECTION SYSTEM. SEE E-DWGS.
4. 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.
5. 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.
6. CONTRACTOR TO MAINTAIN WATER TIGHTNESS OF BUILDING AT ALL TIMES.
7. TEST THE EXISTING DRAIN LINES WITH A RUNNING HOSE FOR AT LEAST ONE HOUR PRIOR TO STARTING ANY OTHER WORK. PROVIDE A WRITTEN REPORT OF ANY CLOGGED LINES TO THE ARCHITECT & OWNER. CLOGGED DRAIN LINES WILL BE CLEANED BY THE OWNER.
   - 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.

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
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERANDDANGELO.COM
Copyright 2024 FULLER D'ANGELO P.C.

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
PARTIAL ROOF PLAN

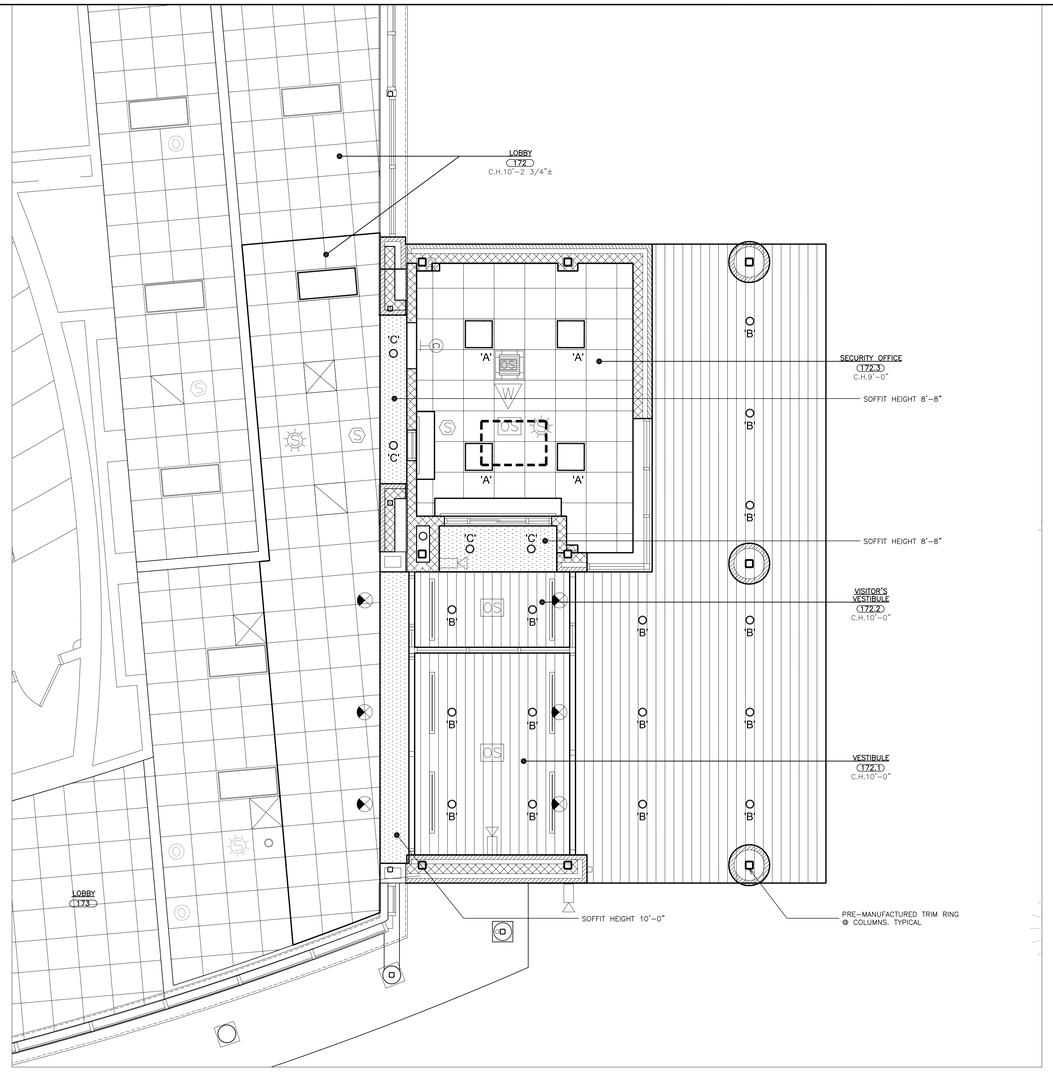
DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. BHS A113
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.01

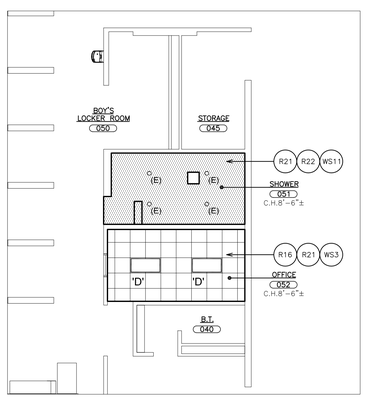
PLOT DATE: April 18, 2024 - 10:45am
FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A113.dwg

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

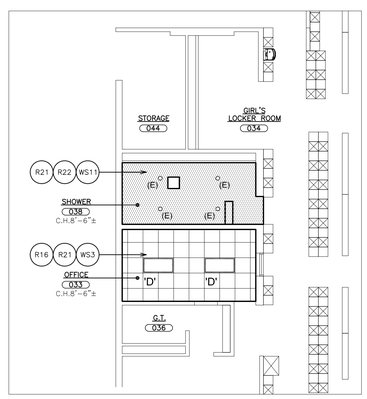
0 2' 4' 8' 16'



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



3 PARTIAL GROUND LEVEL REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



4 PARTIAL GROUND LEVEL REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

WORKSCOPE NOTES:

- WS1 PROVIDE NEW DOOR IN EXISTING FRAME AND HARDWARE. SEE DOOR DETAILS & DOOR SCHEDULE.
- WS2 PROVIDE CMU PARTITION TOOTH INTO ADJACENT MASONRY / INFILL. CMU THICK TO MATCH EXISTING. BLOCK FILL, PRIME & PAINT.
- WS3 PROVIDE SUSPENDED ACOUSTICAL CEILING SYSTEM & ALL RELATED ITEMS. ELECTRICAL CONTRACTOR TO PROVIDE NEW LIGHT FIXTURES & CEILING MOUNTED DEVICES. COORDINATE INSTALLATION. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. SEE DETAILS A651.
- WS4 INSTALL FRP DOOR, ALUMINUM THERMALLY BROKEN DOOR FRAME AND HARDWARE. SEE DOOR DETAILS & SCHEDULE.
- WS5 INSTALL NEW ALUMINUM WINDOW ASSEMBLY AND RELATED ITEMS AS PER DETAILS AND SPECIFICATIONS.
- WS6 PROVIDE ROLLER SHADE ASSEMBLY. ONE PER WINDOW BAY (TYPICAL). SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- WS7 PROVIDE MOISTURE MITIGATION MEMBRANE ON 100% FLOOR SURFACE.
- WS8 PROVIDE CEMENT-BASED SELF-LEVELING UNDERLAYMENT TO ACHIEVE FLUSH CONDITION WITH ADJACENT FLOOR(S) ON 100% FLOOR SURFACE.
- WS9 PROVIDE FLOOR FINISH. SEE FINISH SCHEDULE AND FINISH PLANS.
- WS10 INFILL OPENING WITH BRICK, INSULATION, CMU BACK-UP BLOCK AND GYPSUM BOARD. PRIME & PAINT. TOOTH MASONRY INTO EXISTING ADJACENT MASONRY. PROVIDE ALL MASONRY TIES (GALVANIZED). BRICK TO MATCH EXISTING ADJACENT COLOR TEXTURE.
- WS11 PROVIDE GYPSUM BOARD CEILING, FRAMING SYSTEM & ALL RELATED ITEMS. ELECTRICAL CONTRACTOR TO PROVIDE NEW LIGHT FIXTURES & CEILING MOUNTED DEVICES. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- WS12 PROVIDE NEW ACOUSTICAL CEILING PANELS IN EXISTING GRID CUT AS REQUIRED. PROVIDE WALL ANGLES AND RUNNERS SUPPORTS AS REQUIRED.
- WS13 PROVIDE NEW 60 MIL. EPDM FLASHING TO EXISTING CURB.

REMOVAL NOTES:

- R1 REMOVE EXISTING ALUMINUM STOREFRONT SYSTEM, DOORS, HARDWARE, CLIPS AND ALL RELATED ITEMS. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES.
- R2 REMOVE EXISTING RECESSED FLOOR MAT AND FRAME ASSEMBLY.
- R3 SAW-CUT AND REMOVE EXISTING CONCRETE PAD, SEALANTS AND ALL RELATED ITEMS.
- R4 REMOVE CLEAN, CATALOG AND STORE EXISTING MEMORIAL BRICKS & PLAQUES FOR FUTURE REINSTALLATION.
- R5 REMOVE EXISTING COLUMN, COVER, FOUNDATION, FOOTING AND ALL RELATED ITEMS. PROVIDE SUPPORT TO EXISTING ROOF ABOVE.
- R6 REMOVE PORTION OF EXISTING ROOF STRUCTURE. SEE STRUCTURAL DRAWINGS.
- R7 REMOVE PORTION OF EXISTING BRICK/CMU WALL FROM SILL TO FLOOR SLAB. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES.
- R8 REMOVE STOREFRONT WINDOW UNIT(S), SEALANTS, TRIM, WINDOW TREATMENTS AND ALL RELATED ITEMS.
- R9 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.
- R10 REMOVE EXISTING CONCRETE FROST WALL & FOOTING IS PRESENT.
- R11 REMOVE EXISTING TREE AND ROOT SYSTEM.
- R12 REMOVE EXISTING SUSPENDED CEILING ASSEMBLY INCLUDING CLIPS, HANGERS, WALL TRIM, BLACK IRON, PANELS AND ASSOCIATED ITEMS.
- R13 REMOVE EXISTING DOORS, METAL FRAMES, TRANSOMS, SADDLES, SIDELITES AND ALL RELATED ITEMS. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES.
- R14 SAW-CUT AND REMOVE PORTION OF EXISTING CMU PARTITION FOR INSTALLATION OF NEW DOOR/OPENING. WORK IN A MANNER WHICH PROVIDES CONTINUOUS SUPPORT OF MASONRY ABOVE.
- R15 EXISTING ELEVATOR EQUIPMENT. TO BE REMOVED BY ELEVATOR CONTRACTOR.
- R16 EXISTING LIGHT FIXTURE TO BE REMOVED BY E-CONTRACTOR. SEE ELECTRICAL DRAWINGS.
- R17 REHABILITATE AND MODERNIZE EXISTING ELEVATOR, MACHINERY AND CONTROLS. BY ELEVATOR CONTRACTOR
- R18 REMOVE PORTION OF EXISTING ROOF, STEEL DECK AND SUPPORT BEAMS. SEE STRUCTURAL DRAWINGS FOR FURTHER INFORMATION.
- R19 REMOVE EXISTING KNOX BOX AND TURN OVER TO OWNER.
- R20 REMOVE EXISTING VIDEO DOOR STATION UNIT AND TURN OVER TO OWNER.
- R21 REMOVE EXISTING GYPSUM BOARD SOFFIT, FRAMING AND ALL RELATED ITEMS.
- R22 EXISTING LIGHT FIXTURE TO BE REMOVED AND REINSTALL UPON COMPLETION OF DUCT CONNECTIONS.
- R23 REMOVE AND DISCARD PORTION OF EXISTING ACOUSTICAL PANEL CEILING. MODIFY EXISTING CEILING GRID TO ACCOMMODATE INSTALLATION OF NEW PLUMBING PIPING.

COORDINATE ALL REMOVALS WITH ASBESTOS AND LEAD ABATEMENT DRAWINGS AND SPECIFICATIONS.

CEILING LEGEND

- 2'x2' RECESSED MOUNTED LIGHT FIXTURE
- 2'x4' RECESSED MOUNTED LIGHT FIXTURE
- RECESSED CAN LIGHT FIXTURE
- WALL MOUNTED LIGHT FIXTURE
- WALL MOUNTED AREA LIGHT FIXTURE
- SECURITY CAMERA
- S FIRE ALARM SMOKE DETECTOR
- H HEAT DETECTOR
- CEILING SPEAKER
- OS OCCUPANCY SENSOR
- CEILING REGISTER. SIZE VARIES. SEE MECHANICAL DRAWINGS.
- CEILING DIFFUSER. SIZE VARIES. SEE MECHANICAL DRAWINGS.
- CEILING CASSETTE. 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
- GYPSUM BOARD OR SOFFIT
- W WIRELESS INTERNET HUB
- FAN COIL UNIT ABOVE. SEE MECHANICAL DRAWINGS.
- METAL PAN CEILING
- LINEAR DIFFUSER
- C WALL MOUNTED IP CLOCK ASSEMBLY

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
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERANGELO.COM
Copyright 2024 FULLER D'ANGELO ARCHITECTS & PLANNERS P.C.

S.E.D. CONTROL NUMBER:

BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

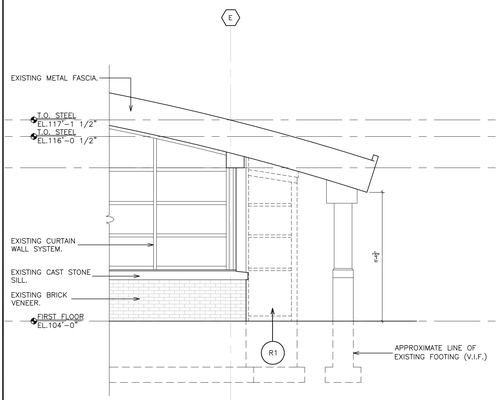
DRAWING TITLE
PARTIAL FIRST FLOOR REMOVAL REFLECTED CEILING PLAN & PARTIAL FIRST FLOOR REFLECTED CEILING PLAN

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

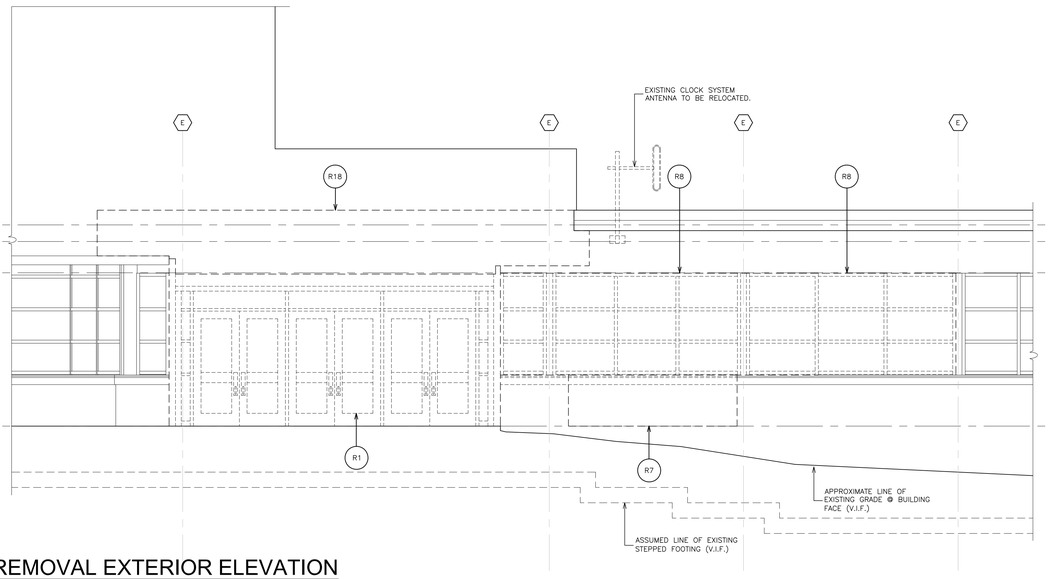
SHEET SIZE 30"x42" | DRAWING NO. BHS A200
SCALE AS NOTED
DRAWN BY F & D | FILE NO. 23505.01

PLOT DATE: April 18, 2024 - 10:47am

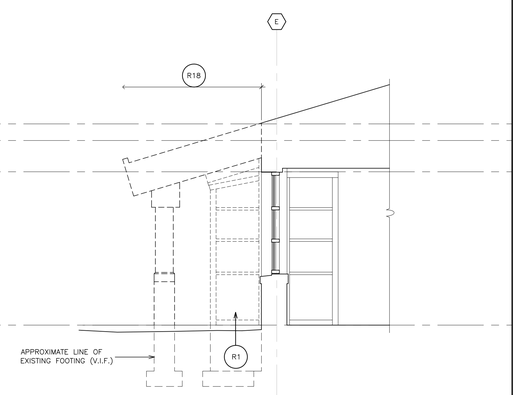
FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A200.dwg



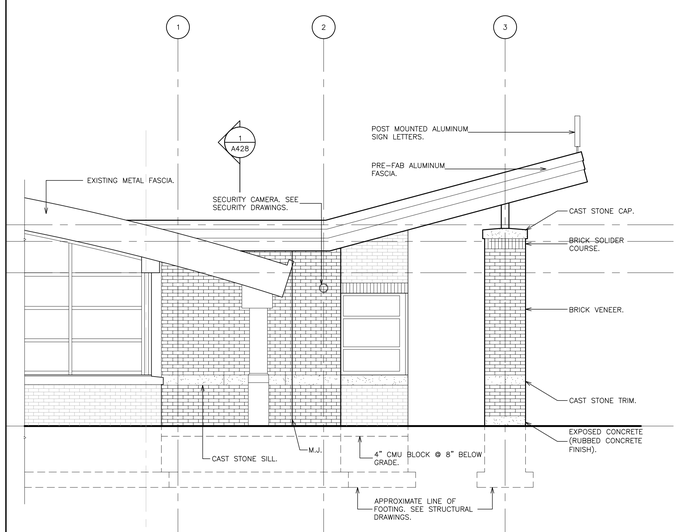
1 REMOVAL EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



2 REMOVAL EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

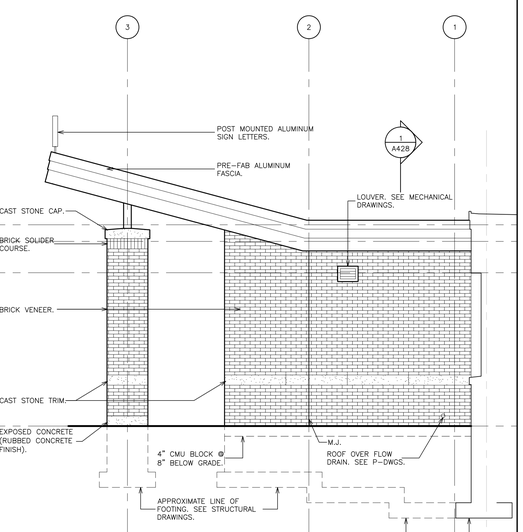


3 REMOVAL EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

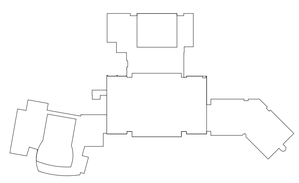


4 EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

5 EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



6 EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



KEY PLAN
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.

FULLER D'ANGELO P.C. ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERANDDANGELO.COM
Copyright 2024 FULLER D'ANGELO P.C.

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

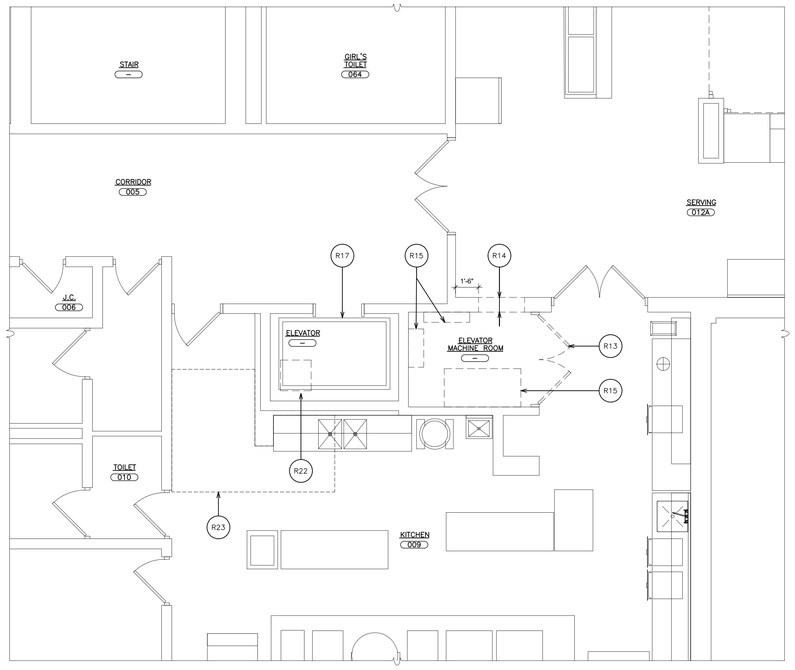
DRAWING TITLE
PARTIAL REMOVAL ELEVATIONS & PARTIAL EXTERIOR ELEVATIONS

04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE 30"x42"	DRAWING NO. BHS A300
SCALE AS NOTED	
DRAWN BY F & D	FILE NO. 23505.01

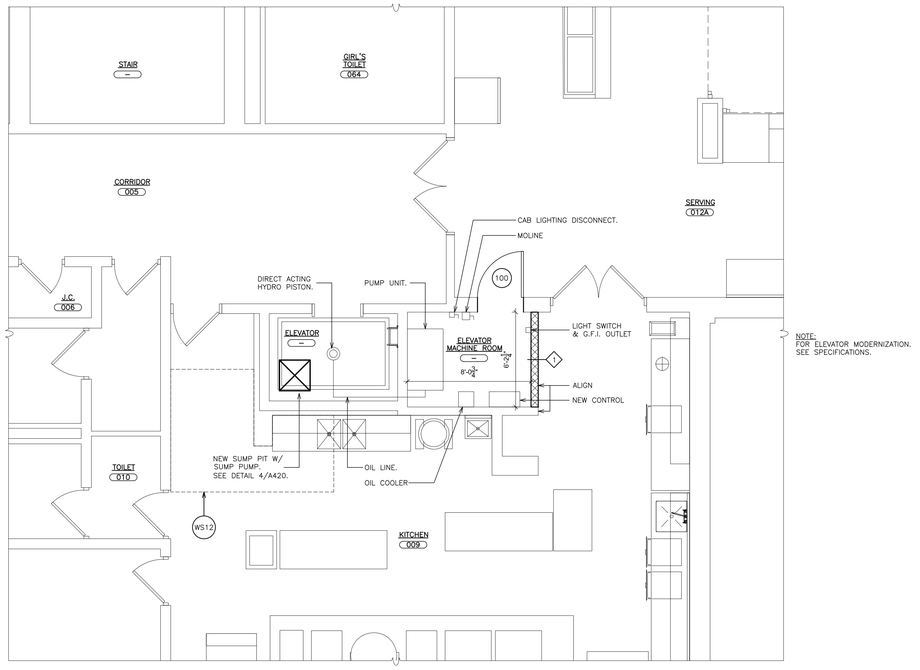
PLOT DATE: April 18, 2024 — 10:48am

FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A300.dwg



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

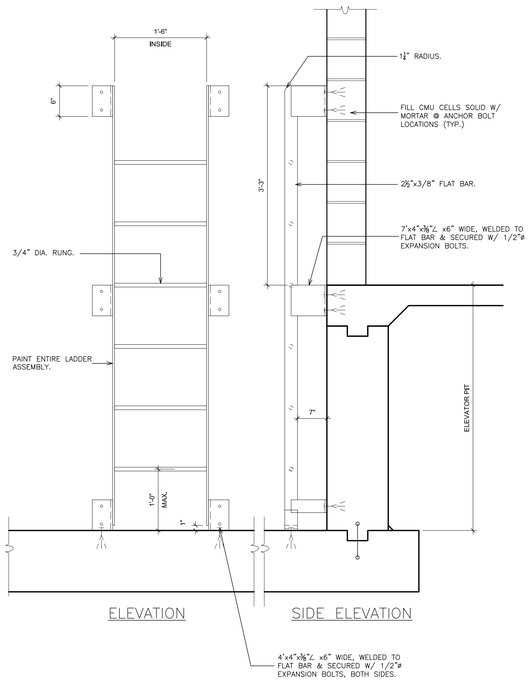
0 2' 4' 8' 16'



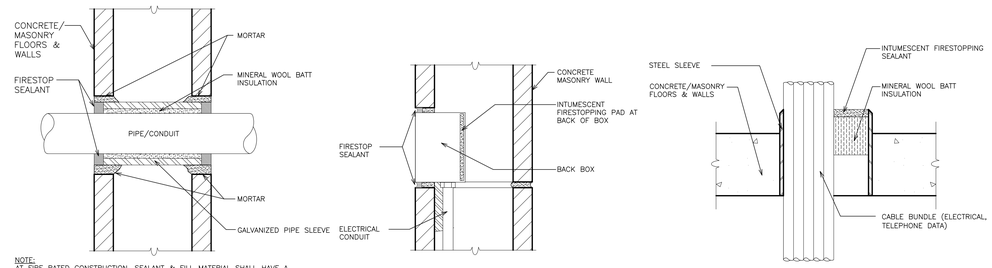
NOTE:
FOR ELEVATOR MODERNIZATION. SEE SPECIFICATIONS.

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

0 2' 4' 8' 16'



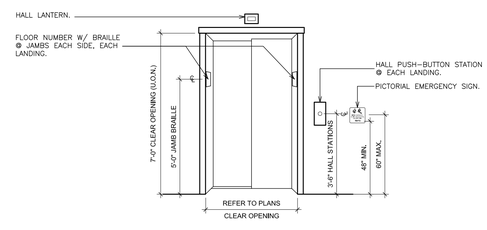
1 DETAILS - ELEVATOR PIT LADDER
SCALE: 1" = 1'-0"



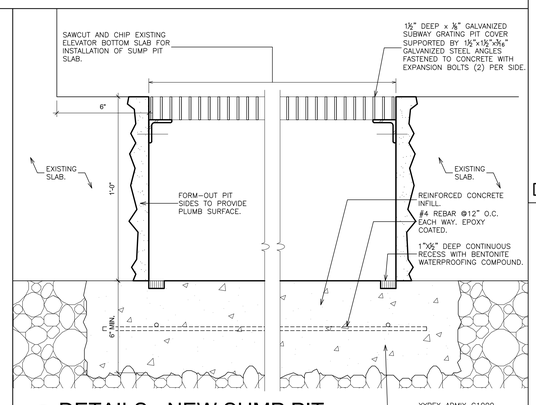
NOTE:
AT FIRE RATED CONSTRUCTION, SEALANT & FILL MATERIAL SHALL HAVE A FIRE RATING EQUAL TO OR GREATER THAN CONSTRUCTION BEING PENETRATED.

METALIC PIPE | UTILITY BACK BOX | CABLE

2 DETAILS - HOISTWAY PENETRATION
SCALE: N.T.S.



3 ELEVATOR ENTRANCE
SCALE: 3/8" = 1'-0"



4 DETAILS - NEW SUMP PIT
SCALE: 3" = 1'-0"

REMOVAL NOTES:

- R1 REMOVE EXISTING ALUMINUM STOREFRONT SYSTEM, DOORS, HARDWARE, CLIPS AND ALL RELATED ITEMS. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES.
- R2 REMOVE EXISTING RECESSED FLOOR MAT AND FRAME ASSEMBLY.
- R3 SAW-CUT AND REMOVE EXISTING CONCRETE PAD, SEALANTS AND ALL RELATED ITEMS.
- R4 REMOVE CLEAN, CATALOG AND STORE EXISTING MEMORIAL BRICKS & PLAQUES FOR FUTURE REINSTALLATION.
- R5 REMOVE EXISTING COLUMN, COVER, FOUNDATION, FOOTING AND ALL RELATED ITEMS. PROVIDE SUPPORT TO EXISTING ROOF ABOVE.
- R6 REMOVE PORTION OF EXISTING ROOF STRUCTURE. SEE STRUCTURAL DRAWINGS.
- R7 REMOVE PORTION OF EXISTING BRICK/CMU WALL FROM SILL TO FLOOR SLAB. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES.
- R8 REMOVE STOREFRONT WINDOW UNIT(S), SEALANTS, TRIM, WINDOW TREATMENTS AND ALL RELATED ITEMS.
- R9 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.
- R10 REMOVE EXISTING CONCRETE FROST WALL & FOOTING IS PRESENT.
- R11 REMOVE EXISTING TREE AND ROOT SYSTEM.
- R12 REMOVE EXISTING SUSPENDED CEILING ASSEMBLY INCLUDING CLIPS, HANGERS, WALL TRIM, BLACK IRON, PANELS AND ASSOCIATED ITEMS.
- R13 REMOVE EXISTING DOORS, METAL FRAMES, TRANSOMS, SADDLES, SIDELITES AND ALL RELATED ITEMS. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES.
- R14 SAW-CUT AND REMOVE PORTION OF EXISTING CMU PARTITION FOR INSTALLATION OF NEW DOOR/OPENING. WORK IN A MANNER WHICH PROVIDES CONTINUOUS SUPPORT OF MASONRY ABOVE.
- R15 EXISTING ELEVATOR EQUIPMENT. TO BE REMOVED BY ELEVATOR CONTRACTOR.
- R16 EXISTING LIGHT FIXTURE TO BE REMOVED BY E-CONTRACTOR. SEE ELECTRICAL DRAWINGS.
- R17 REHABILITATE AND MODERNIZE EXISTING ELEVATOR, MACHINERY AND CONTROLS. BY ELEVATOR CONTRACTOR
- R18 REMOVE PORTION OF EXISTING ROOF, STEEL DECK AND SUPPORT BEAMS. SEE STRUCTURAL DRAWINGS FOR FURTHER INFORMATION.
- R19 REMOVE EXISTING KNOX BOX AND TURN OVER TO OWNER.
- R20 REMOVE EXISTING VIDEO DOOR STATION UNIT AND TURN OVER TO OWNER.
- R21 REMOVE EXISTING GYPSUM BOARD SOFFIT, FRAMING AND ALL RELATED ITEMS.
- R22 EXISTING LIGHT FIXTURE TO BE REMOVED AND REINSTALL UPON COMPLETION OF DUCT CONNECTIONS.
- R23 REMOVE AND DISCARD PORTION OF EXISTING ACOUSTICAL PANEL CEILING. MODIFY EXISTING CEILING GRID TO ACCOMMODATE INSTALLATION OF NEW PLUMBING PIPING.

COORDINATE ALL REMOVALS WITH ASBESTOS AND LEAD ABATEMENT DRAWINGS AND SPECIFICATIONS.

WORKSCOPE NOTES:

- WS1 PROVIDE NEW DOOR IN EXISTING FRAME AND HARDWARE. SEE DOOR DETAILS & DOOR SCHEDULE.
- WS2 PROVIDE CMU PARTITION TOOTH INTO ADJACENT MASONRY / INFILL. CMU THICK TO MATCH EXISTING. BLOCK FILL, PRIME & PAINT.
- WS3 PROVIDE SUSPENDED ACOUSTICAL CEILING SYSTEM & ALL RELATED ITEMS. ELECTRICAL CONTRACTOR TO PROVIDE NEW LIGHT FIXTURES & CEILING MOUNTED DEVICES. COORDINATE INSTALLATION. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. SEE DETAILS A651.
- WS4 INSTALL FRP DOOR, ALUMINUM THERMALLY BROKEN DOOR FRAME AND HARDWARE. SEE DOOR DETAILS & SCHEDULE.
- WS5 INSTALL NEW ALUMINUM WINDOW ASSEMBLY AND RELATED ITEMS AS PER DETAILS AND SPECIFICATIONS.
- WS6 PROVIDE ROLLER SHADE ASSEMBLY. ONE PER WINDOW BAY (TYPICAL). SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- WS7 PROVIDE MOISTURE MITIGATION MEMBRANE ON 100% FLOOR SURFACE.
- WS8 PROVIDE CEMENT-BASED SELF-LEVELING UNDERLAYMENT TO ACHIEVE FLUSH CONDITION WITH ADJACENT FLOOR(S) ON 100% FLOOR SURFACE.
- WS9 PROVIDE FLOOR FINISH. SEE FINISH SCHEDULE AND FINISH PLANS.
- WS10 INFILL OPENING WITH BRICK, INSULATION, CMU BACK-UP BLOCK AND GYPSUM BOARD. PRIME & PAINT. TOOTH MASONRY INTO EXISTING ADJACENT MASONRY. PROVIDE ALL MASONRY TIES (GALVANIZED). BRICK TO MATCH EXISTING ADJACENT COLOR TEXTURE.
- WS11 PROVIDE GYPSUM BOARD CEILING, FRAMING SYSTEM & ALL RELATED ITEMS. ELECTRICAL CONTRACTOR TO PROVIDE NEW LIGHT FIXTURES & CEILING MOUNTED DEVICES. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- WS12 PROVIDE NEW ACOUSTICAL CEILING PANELS IN EXISTING GRID CUT AS REQUIRED. PROVIDE WALL ANGLES AND RUNNERS SUPPORTS AS REQUIRED.
- WS13 PROVIDE NEW 60 MIL. EPDM FLASHING TO EXISTING CURB.

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
48 KHOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERDANGELO.COM

Copyright 2024 FULLER D'ANGELO P.C.

S.E.D. CONTROL NUMBER:

BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

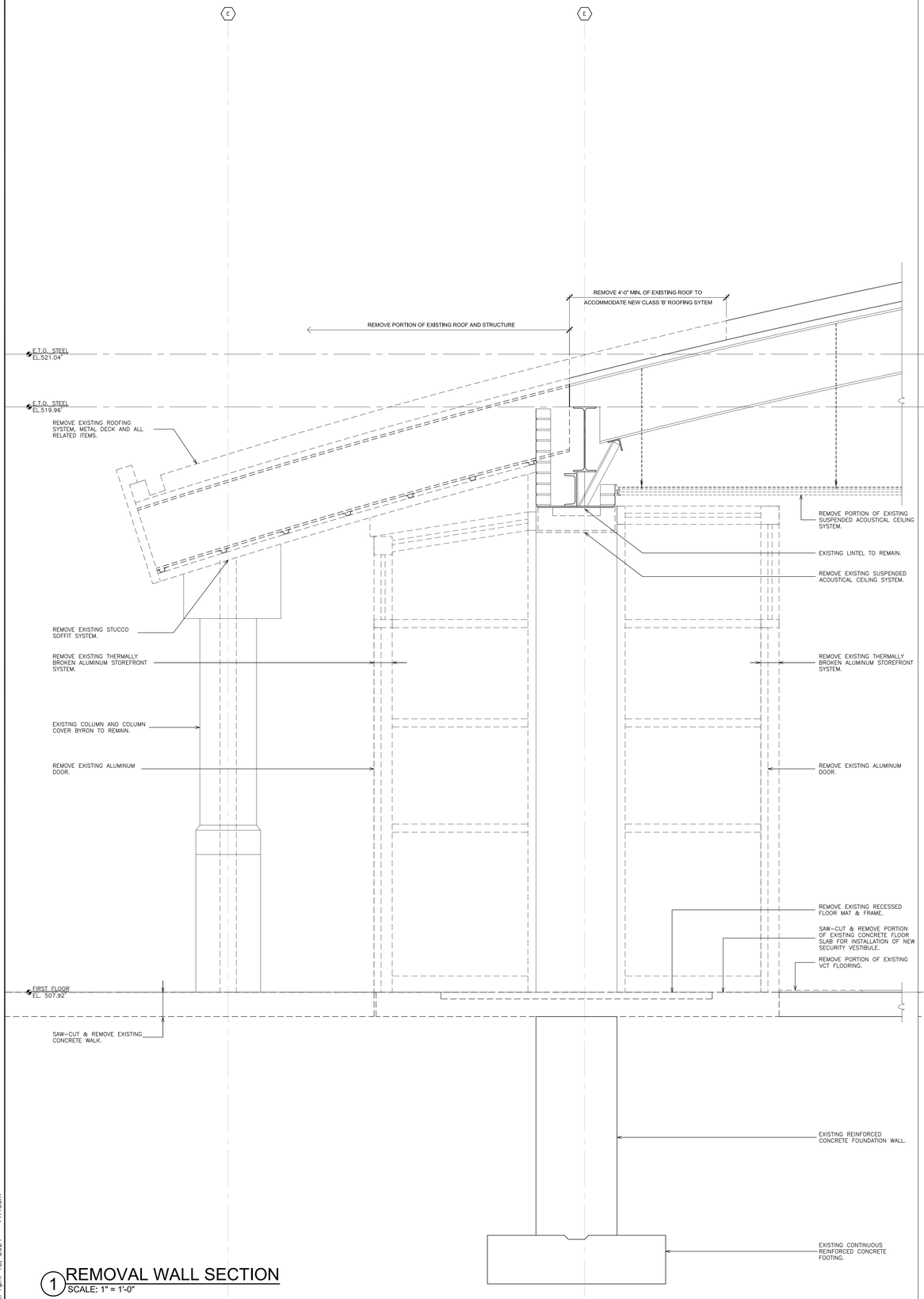
DRAWING TITLE
PARTIAL GROUND LEVEL REMOVAL PLAN & PARTIAL GROUND LEVEL FLOOR PLAN
ELEVATOR MODERNIZATION

04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION
DATE	ISSUED TO

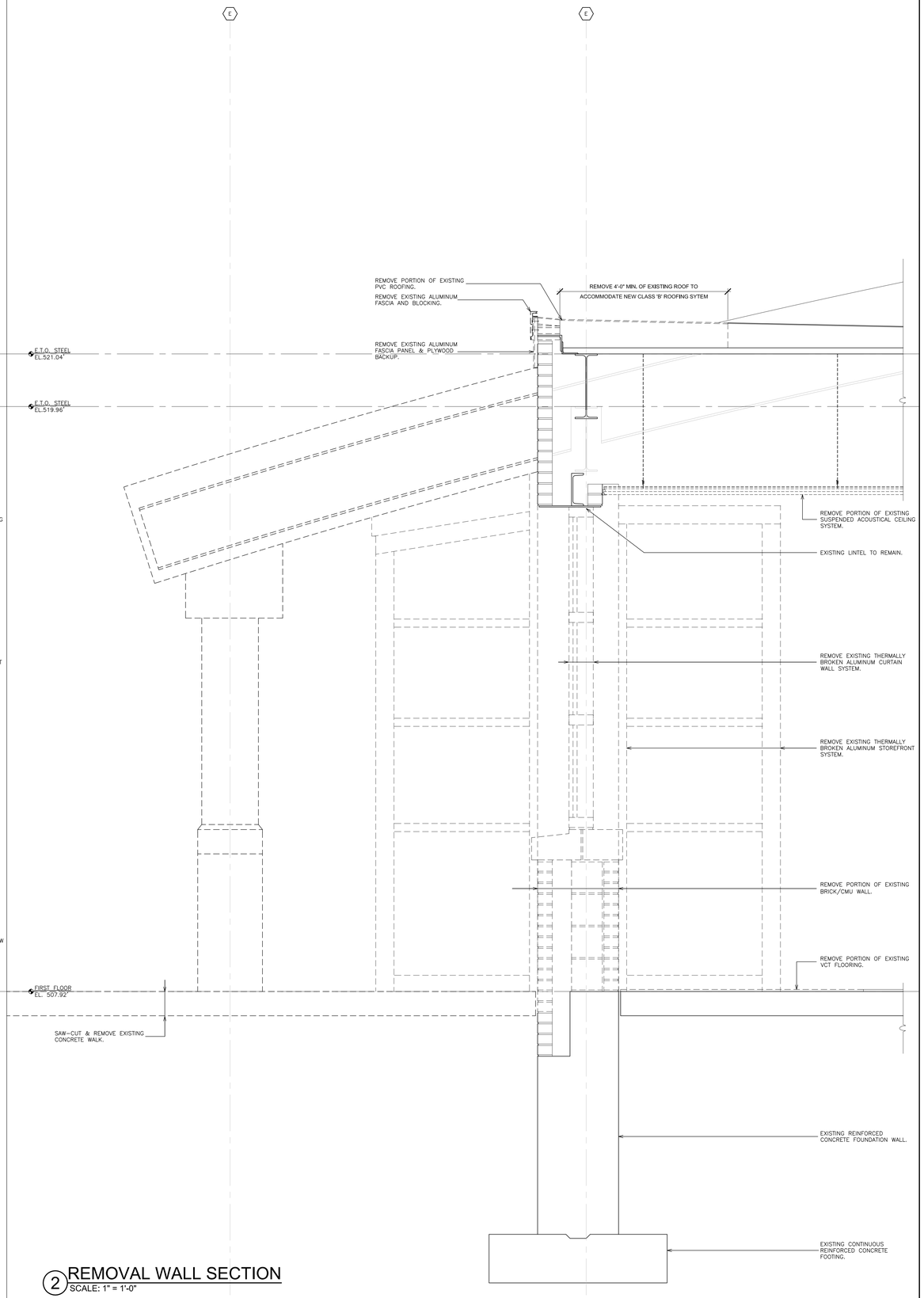
SHEET SIZE 30"x42"	DRAWING NO. BHS A420
SCALE AS NOTED	
DRAWN BY F & D	FILE NO. 23505.01

PLOT DATE: April 18, 2024 - 10:49am

FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A420.dwg



1 REMOVAL WALL SECTION
SCALE: 1" = 1'-0"



2 REMOVAL WALL SECTION
SCALE: 1" = 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
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERANDANGELO.COM

Copyright 2024 FULLER D'ANGELO P.C.

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD &
RELATED WORK
50 FOGARTOWN ROAD BREWSTER, NY 10509

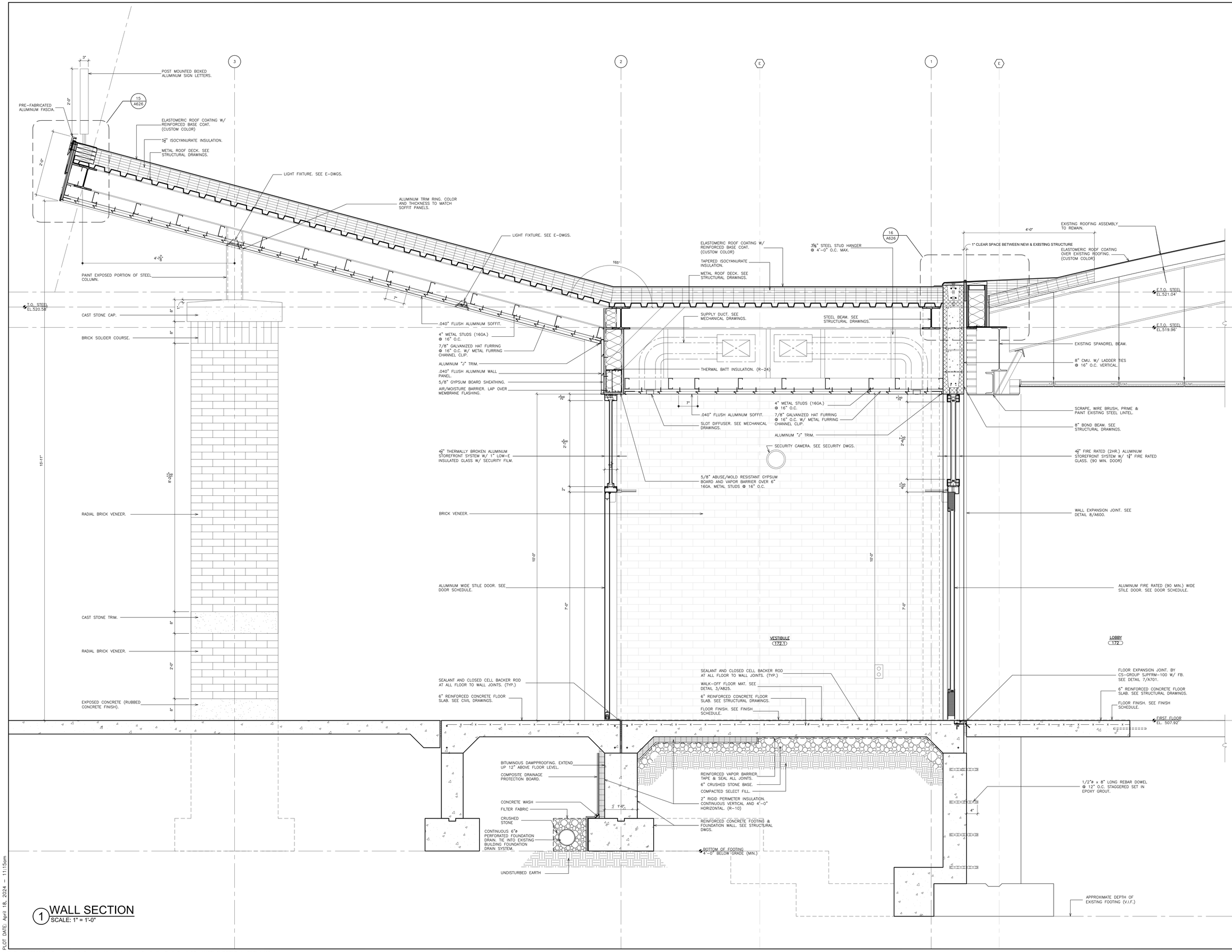
DRAWING TITLE
REMOVAL WALL SECTIONS

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: BHS AR425
SCALE: AS NOTED
DRAWN BY: F & D
FILE NO.: 23505.01

PLOT DATE: April 18, 2024 - 11:15am

FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A425.dwg



1 WALL SECTION
SCALE: 1" = 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
48 KHOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERANGELO.COM

Copyright 2024 FULLER D'ANGELO P.C.

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGARTY DRIVE BREWSTER, NY 10509

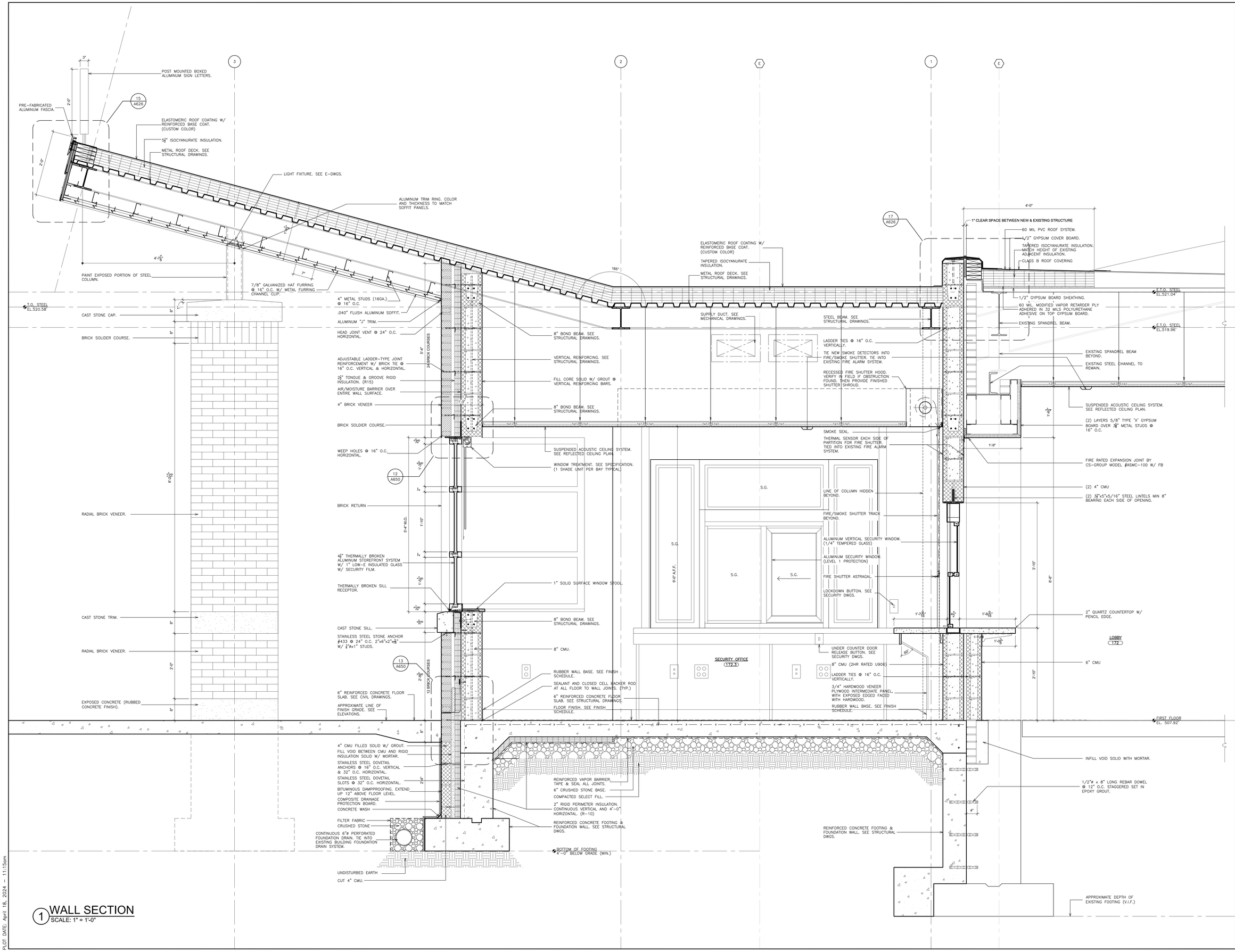
DRAWING TITLE
WALL SECTION

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: BHS A425
SCALE: AS NOTED
DRAWN BY: F & D
FILE NO.: 23505.01

PLOT DATE: April 18, 2024 - 11:15am

FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A425.dwg



1 WALL SECTION
SCALE: 1" = 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 PROPERTY OF F&D. ANY REPRODUCTION WITHOUT THE PRIOR CONSENT OF F&D IS PROHIBITED.

FULLER D'ANGELO P.C. ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERDANGELO.COM

Copyright 2024 FULLER D'ANGELO P.C.

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGARTOWN ROAD BREWSTER, NY 10509

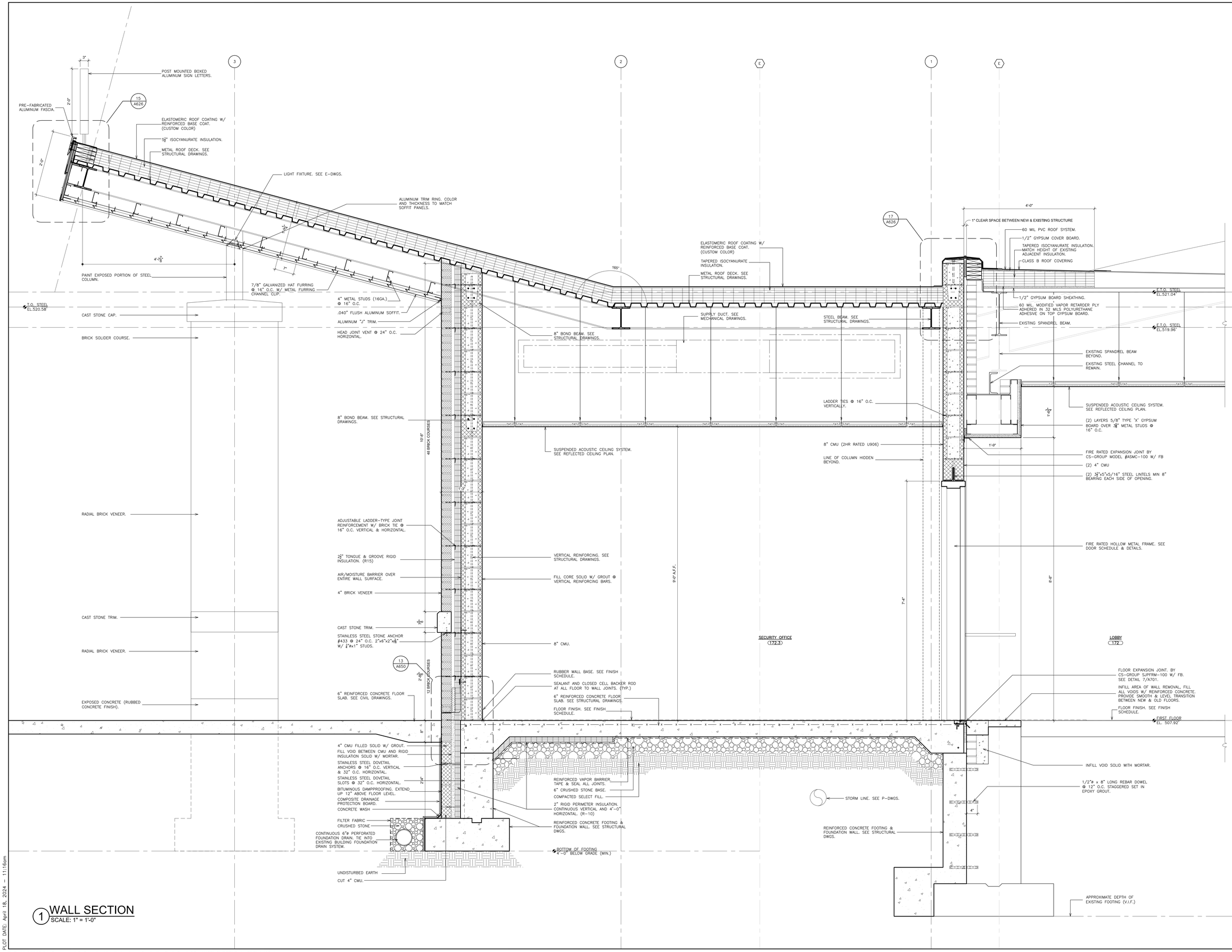
DRAWING TITLE
WALL SECTION

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. BHS A426
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.01

PLOT DATE: April 18, 2024 - 11:15am

FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A425.dwg



1 WALL SECTION
SCALE: 1" = 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.

48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERANDDANGELO.COM
FULLER D'ANGELO P.C. ARCHITECTS PLANNERS
Copyright 2024 FULLER D'ANGELO P.C.

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

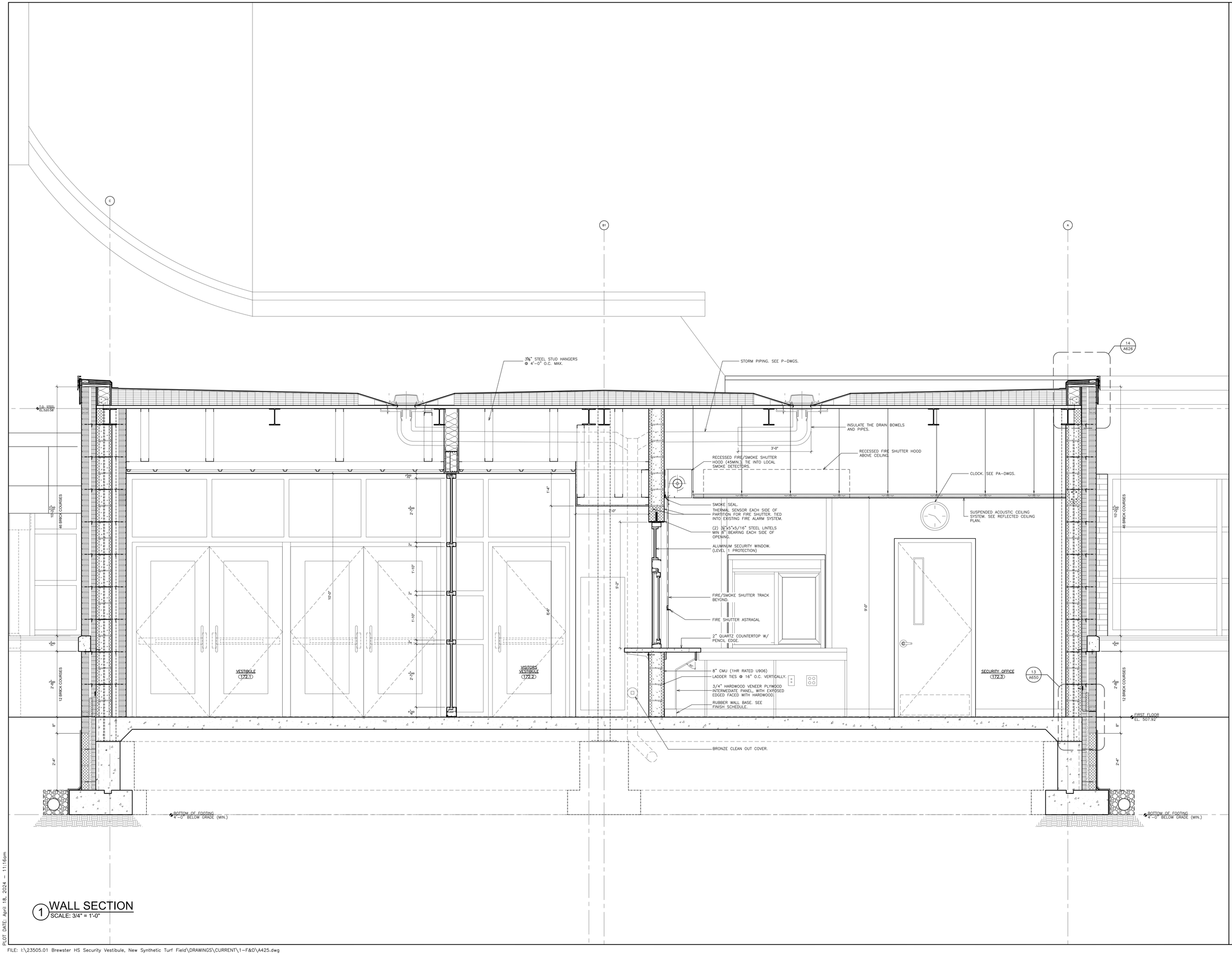
PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & ASSOCIATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
WALL SECTION

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. BHS A427
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.01

PLOT DATE: April 18, 2024 - 11:16am
FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A425.dwg



1 WALL SECTION
SCALE: 3/4" = 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.

48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERANDDANGELO.COM
FULLER D'ANGELO P.C. ARCHITECTS PLANNERS

Copyright 2024

S.E.D. CONTROL NUMBER:

BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

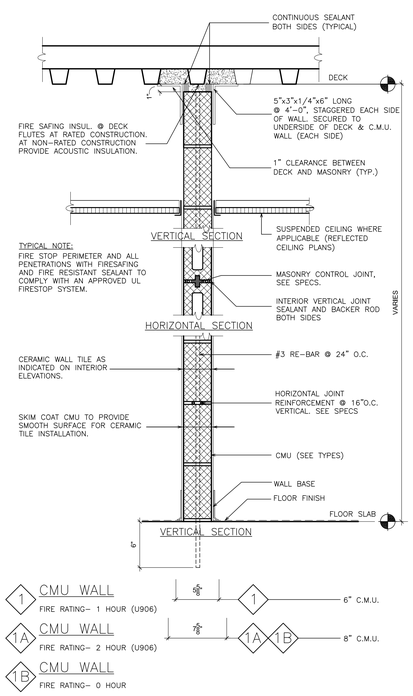
DRAWING TITLE
BUILDING SECTION

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

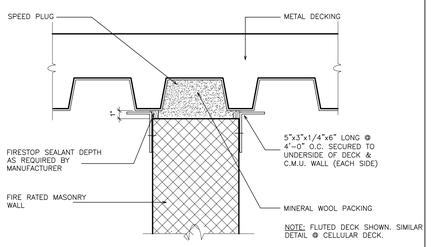
SHEET SIZE 30"x42"
DRAWING NO. BHS A428
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.01

PLOT DATE: April 18, 2024 - 11:16am

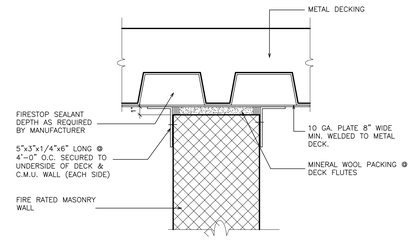
FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A425.dwg



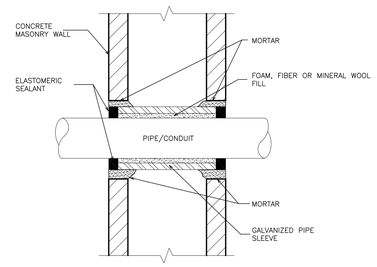
NOTE:
1. INSTALL STEEL ANGLE LINTELS FOR PENETRATIONS THROUGH CONCRETE BLOCK WALL. 3"x3"x1/4" ANGLES FOR EVERY 4" OF MASONRY TO SUPPORT, FIRESTOP AND SEAL @ PERIMETER OF PENETRATION. (NOTE: MAX. OPENING WITHOUT LINTEL-12" WIDTH, 12" HEIGHT.)
2. NORMAL WEIGHT BLOCK ONLY. LIGHT WEIGHT BLOCK IS UNACCEPTABLE.



2 FIRE RATED JOINT DETAIL @ METAL/ MASONRY WALL
NOT TO SCALE

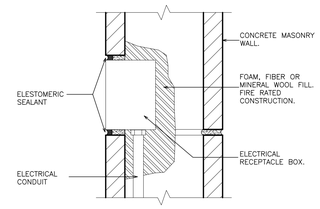


1 FIRE RATED JOINT DETAIL @ METAL/ MASONRY WALL
NOT TO SCALE

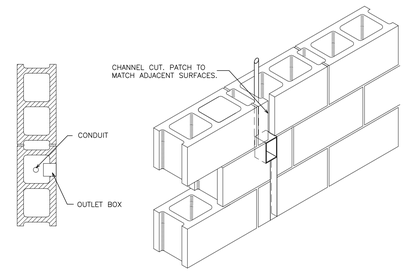


NOTE: AT FIRE RATED CONSTRUCTION, SEALANT & FILL MATERIAL SHALL HAVE A FIRE RATING EQUAL TO OR GREATER THAN CONSTRUCTION BEING PENETRATED

3 DETAIL- WALL PENETRATION
SCALE: N.T.S



4 DETAIL- UTILITY BOX PENETRATION
SCALE: N.T.S.



NOTE: STAGGER OUTLET BOXES ON EA. SIDE OF WALL

5 UTILITY BOXES
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.

FULLER D'ANGELO P.C. ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.4444 FAX 914.592.1717
WWW.FULLERANDDANGELO.COM
Copyright 2021 FULLER D'ANGELO P.C.

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

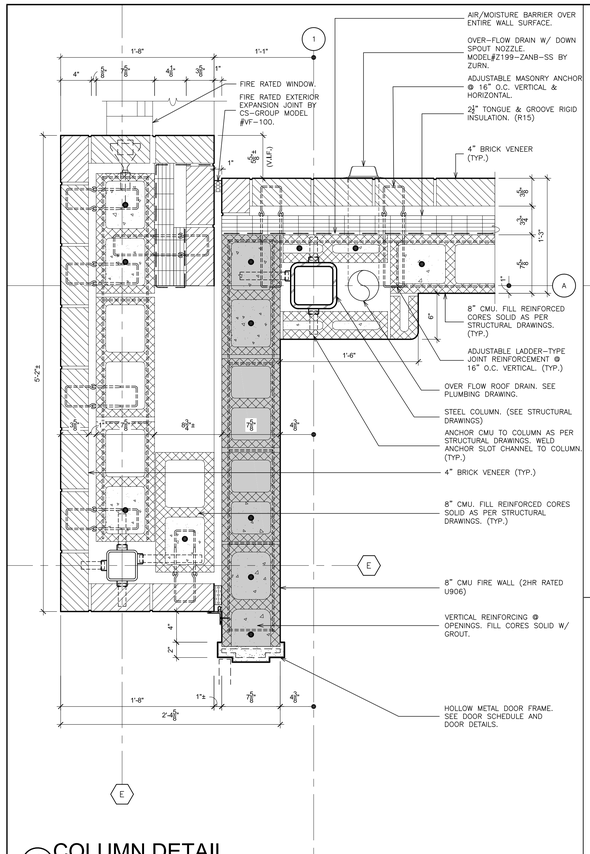
PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
PARTITION TYPES & MISCELLANEOUS DETAILS

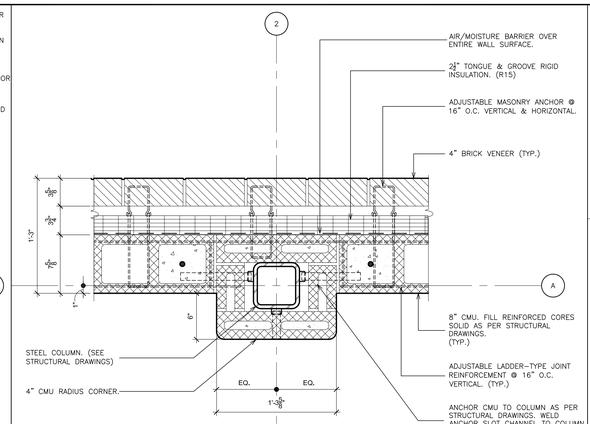
DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. BHS A500
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.01

PLOT DATE: April 18, 2024 — 11:11am
FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A500.dwg

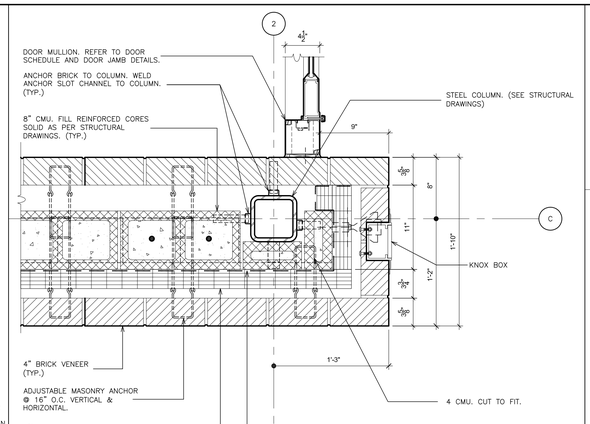


1 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"



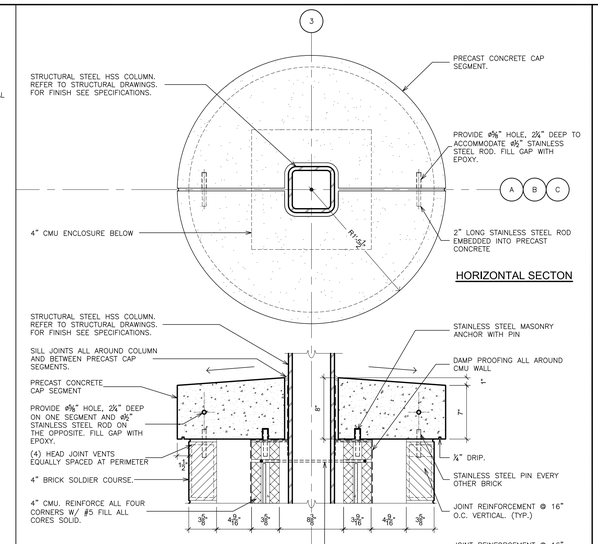
2 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"

NOTE:
FOR ADDITIONAL OF INFORMATION REFER TO SECT. 1/A600.

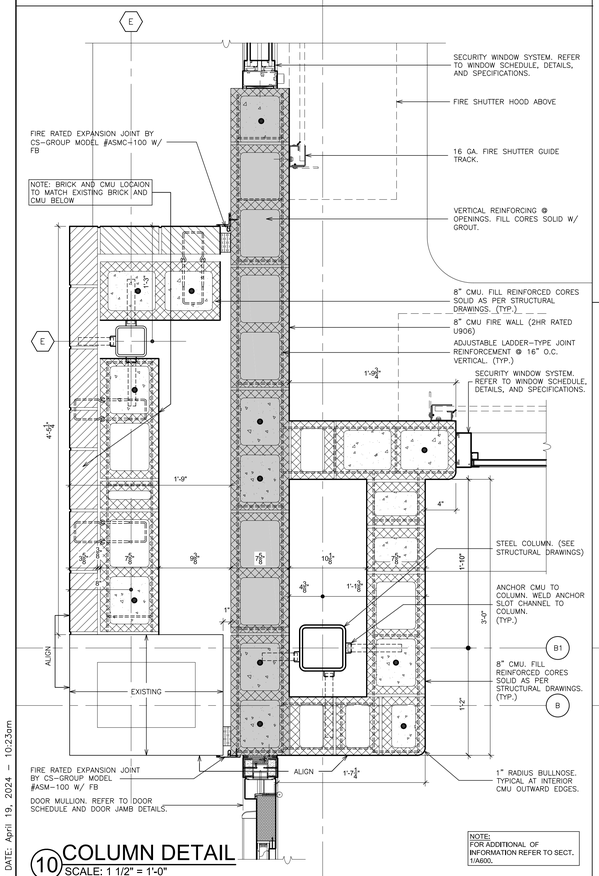


3 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"

NOTE:
FOR ADDITIONAL OF INFORMATION REFER TO SECT. 1/A600.

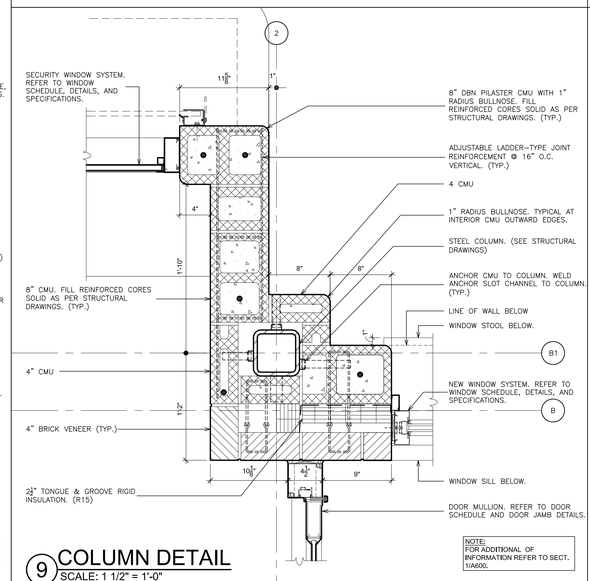


4 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"



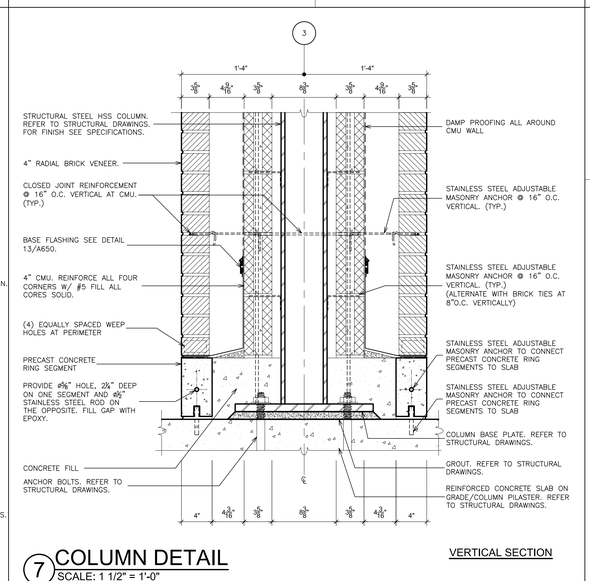
10 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"

NOTE:
FOR ADDITIONAL OF INFORMATION REFER TO SECT. 1/A600.



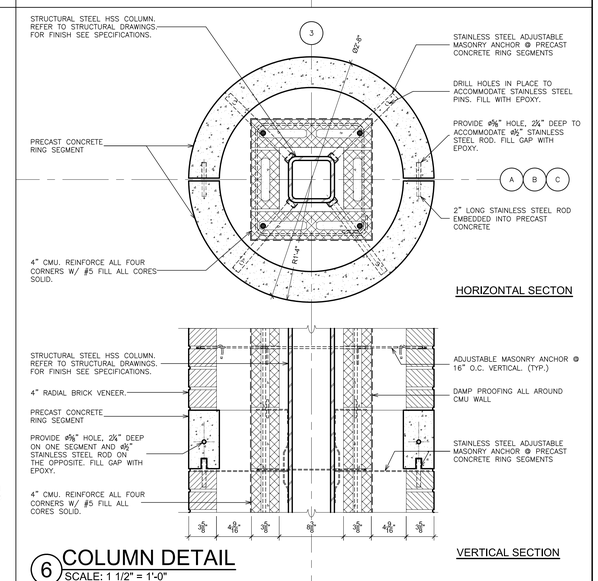
9 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"

NOTE:
FOR ADDITIONAL OF INFORMATION REFER TO SECT. 1/A600.



8 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"

NOTE:
FOR ADDITIONAL OF INFORMATION REFER TO SECT. 1/A600.



5 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"

7 COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"

6 COLUMN DETAIL
SCALE: 1 1/2" = 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
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERANGELO.COM

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & ACCESSORY WORK
50 FOGBRIDGE ROAD BREWSTER, NY 10509

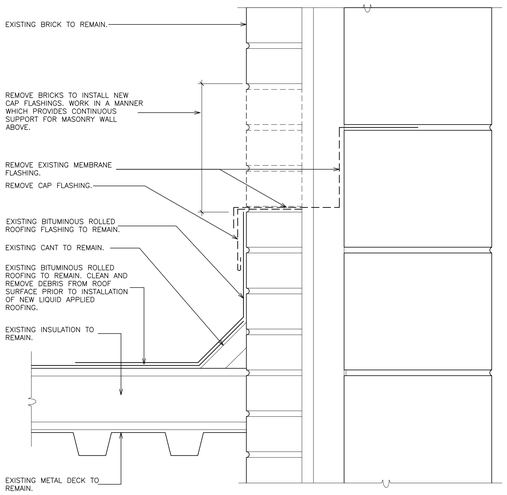
DRAWING TITLE
COLUMN DETAILS

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

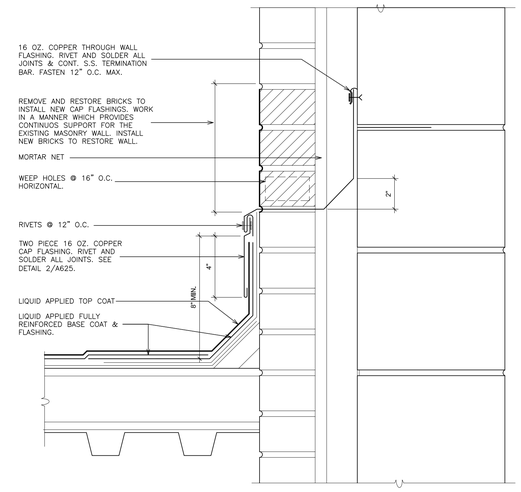
SHEET SIZE 30"x42"
DRAWING NO. BHS A600
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.01

PLOT DATE: April 19, 2024 - 10:23am

FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A600.dwg

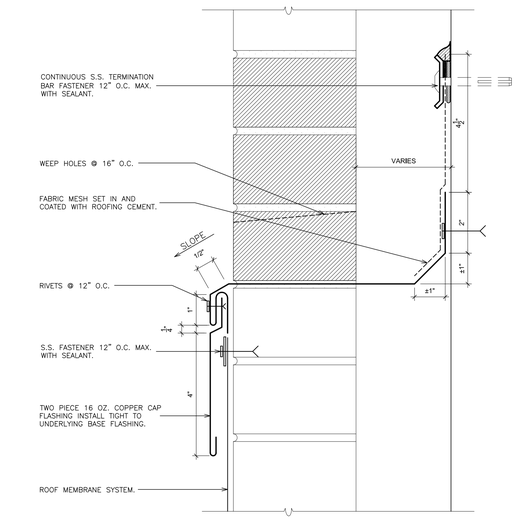


1 REMOVAL BASE
SCALE: 3" = 1'-0"

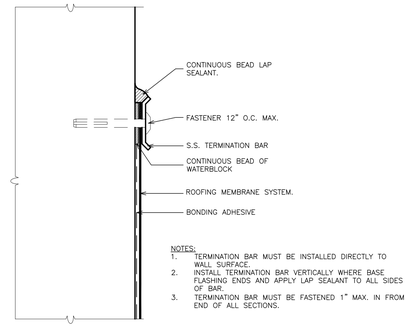


1 REVISED BASE
SCALE: 3" = 1'-0"

NOTES:
1. PRIMING OF THE SUBSTRATE MAY BE REQUIRED, FOLLOW SPECIFICATIONS AND MANUFACTURER RECOMMENDATIONS.
2. REINFORCEMENT MUST BE FULLY SATURATED OR ENCAPSULATED IN BASE COAT AS DESCRIBED IN SPECIFICATIONS.

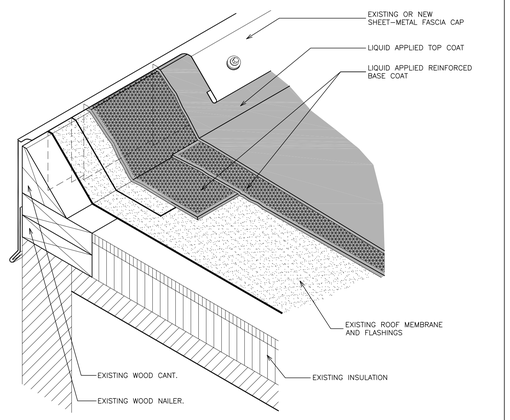


2 REVISED CAP FLASHING
SCALE: 6" = 1'-0"



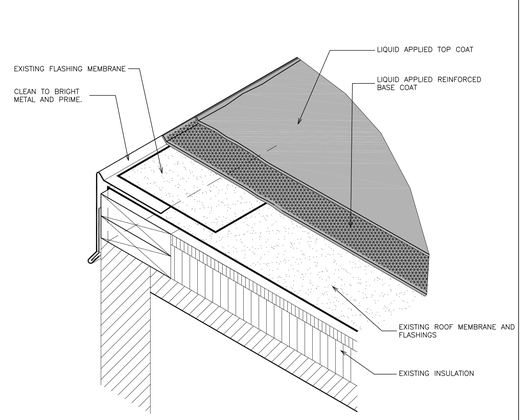
NOTES:
1. TERMINATION BAR MUST BE INSTALLED DIRECTLY TO WALL SURFACE.
2. INSTALL TERMINATION BAR VERTICALLY WHERE BASE FLASHING ENDS AND APPLY LAP SEALANT TO ALL SIDES OF BAR.
3. TERMINATION BAR MUST BE FASTENED 1" MAX. IN FROM END OF ALL SECTIONS.

3 DETAIL- TERMINATION BAR FLASHING TERMINATION
SCALE: 6" = 1'-0"



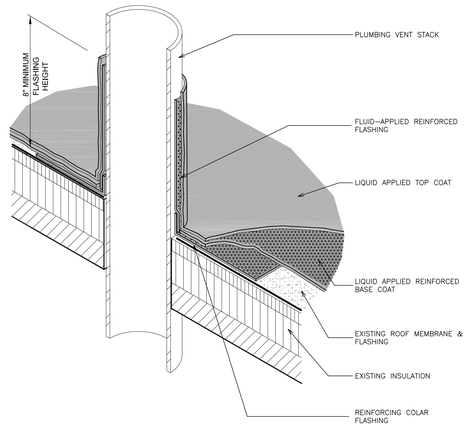
NOTES:
1. PRIMING OF THE SUBSTRATE MAY BE REQUIRED, FOLLOW SPECIFICATIONS AND MANUFACTURER RECOMMENDATIONS.
2. REINFORCEMENT MUST BE FULLY SATURATED OR ENCAPSULATED IN BASE COAT AS DESCRIBED IN SPECIFICATIONS.

4 REVISED EAVE
SCALE: N.T.S.



NOTES:
1. PRIMING OF THE SUBSTRATE MAY BE REQUIRED, FOLLOW SPECIFICATIONS AND MANUFACTURER RECOMMENDATIONS.
2. REINFORCEMENT MUST BE FULLY SATURATED OR ENCAPSULATED IN BASE COAT AS DESCRIBED IN SPECIFICATIONS.

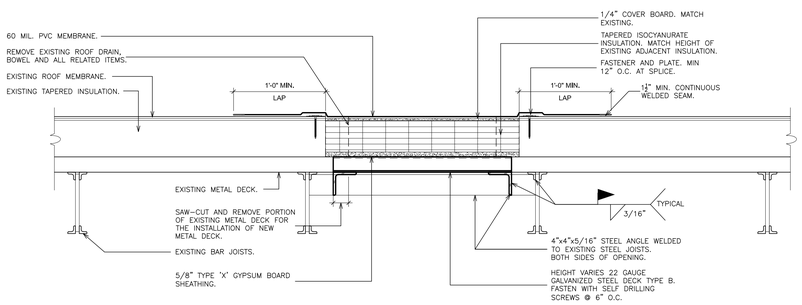
5 REVISED GRAVEL STOP
SCALE: N.T.S.



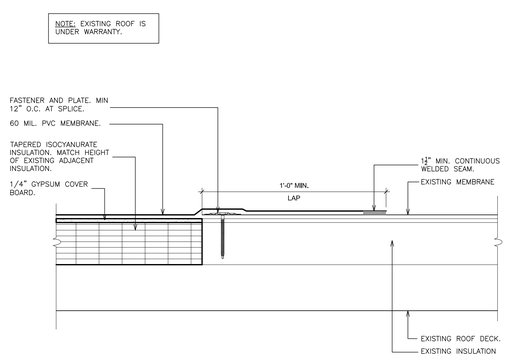
NOTES:
1. PRIMING OF THE SUBSTRATE MAY BE REQUIRED, FOLLOW SPECIFICATIONS AND MANUFACTURER RECOMMENDATIONS.
2. REINFORCEMENT MUST BE FULLY SATURATED OR ENCAPSULATED IN BASE COAT AS DESCRIBED IN SPECIFICATIONS.

6 REVISED VENT PIPE
SCALE: N.T.S.

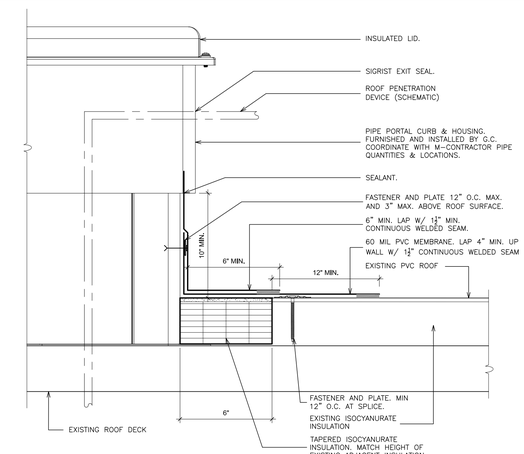
7 NOT USED
SCALE: N.T.S.



8 DECK INFILL
SCALE: 1 1/2" = 1'-0"



9 TYPICAL NEW TO EXIST. SPLICE DETAIL
SCALE: 3" = 1'-0"



INSTALLATION NOTES:
1. CUT BACK 4'-0"x4'-0" PVC MEMBRANE, COVER BOARD (IF PRESENT) AND INSULATION.
2. INSTALL WOOD PERIMETER BLOCKING AND ISOCYANURATE INSULATION.
3. INSTALL 60 MIL. PVC ROOF MEMBRANE, SEAM TAPE AND SEALANT.
4. INSTALL PIPE PORTAL CURB & HOUSING ASSEMBLY.
5. INSTALL STRIPING AND SEALANT.

10 DETAIL- PIPE PORTAL @ EXISTING ROOF
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.

FULLER D'ANGELO P.C. ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.4444 FAX 914.592.1717
WWW.FULLERDANGELO.COM
Copyright 2021 FULLER D'ANGELO P.C.

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & SEATING IMPROVEMENTS
50 FOGGINTOWN ROAD BREWSTER, NY 10509

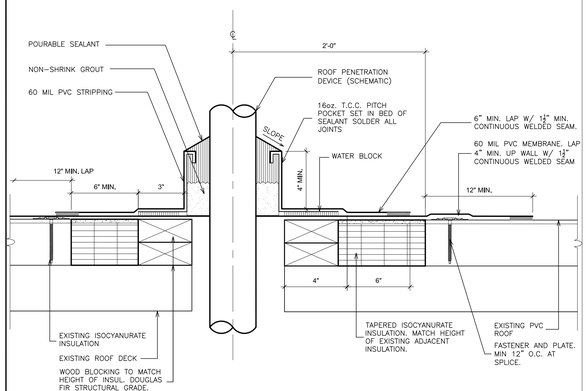
DRAWING TITLE
ROOF DETAILS

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. BHS A625
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.01

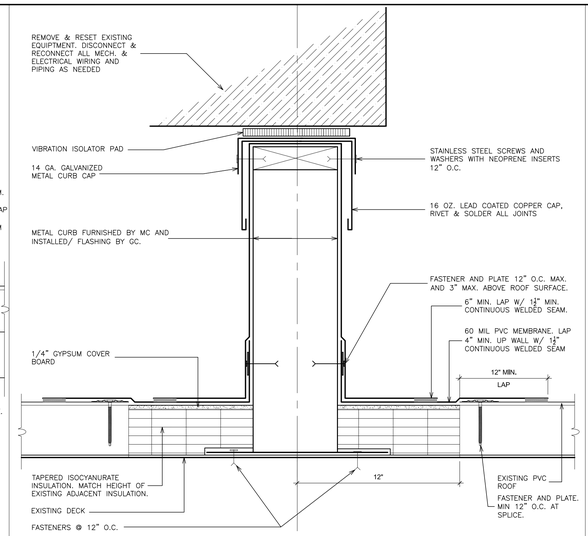
PLOT DATE: April 18, 2024 - 11:11am

FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A625-A628.dwg

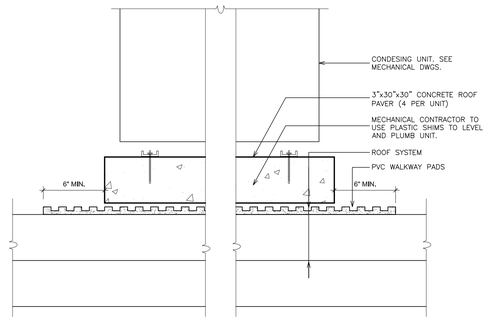


INSTALLATION NOTES:
1. CUT BACK 4'-0"x4'-0" PVC MEMBRANE, COVER BOARD (IF PRESENT) AND INSULATION.
2. INSTALL WOOD PERIMETER BLOCKING AND ISOCYANURATE INSULATION.
3. INSTALL 60 MIL. PVC ROOF MEMBRANE, SEAM TAPE AND SEALANT.
4. INSTALL PITCH POCKET ASSEMBLY.
5. INSTALL STRIPING AND SEALANT.

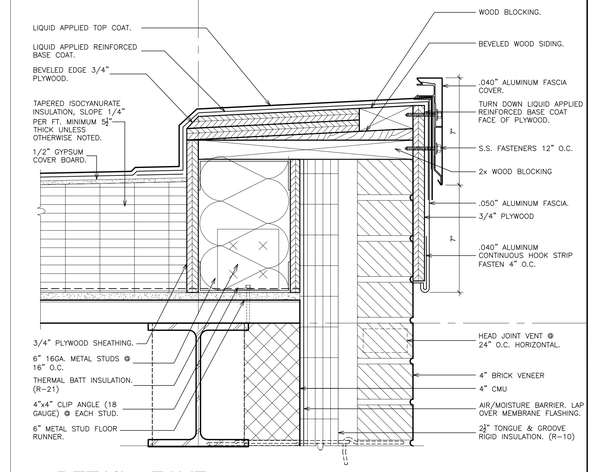
11 DETAIL- PITCH POCKET @ EXISTING ROOF
SCALE: N.T.S.



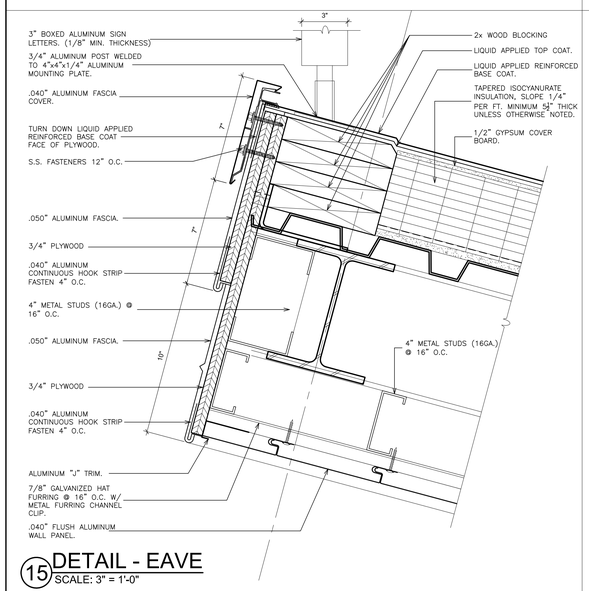
12 EQUIPMENT SUPPORT CURB
SCALE: N.T.S.



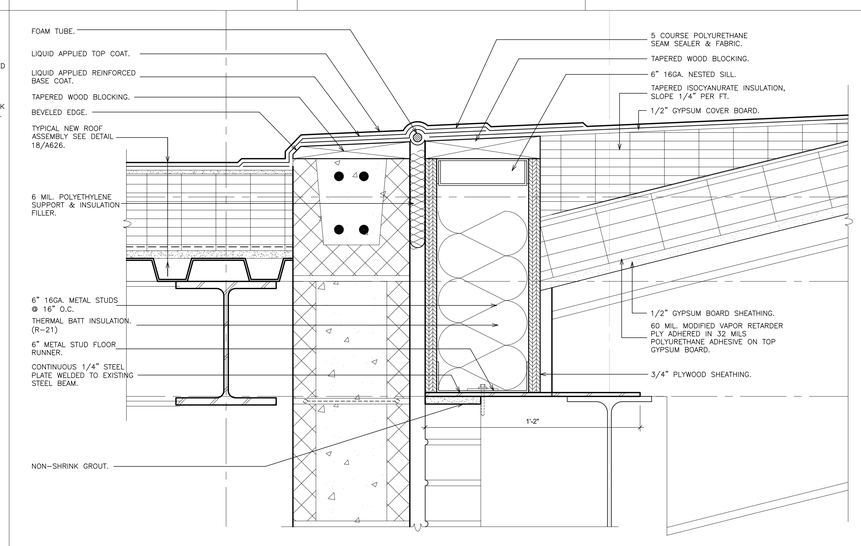
13 DETAIL- CONCRETE ROOF PAVER SUPPORT
SCALE: 3" = 1'-0"



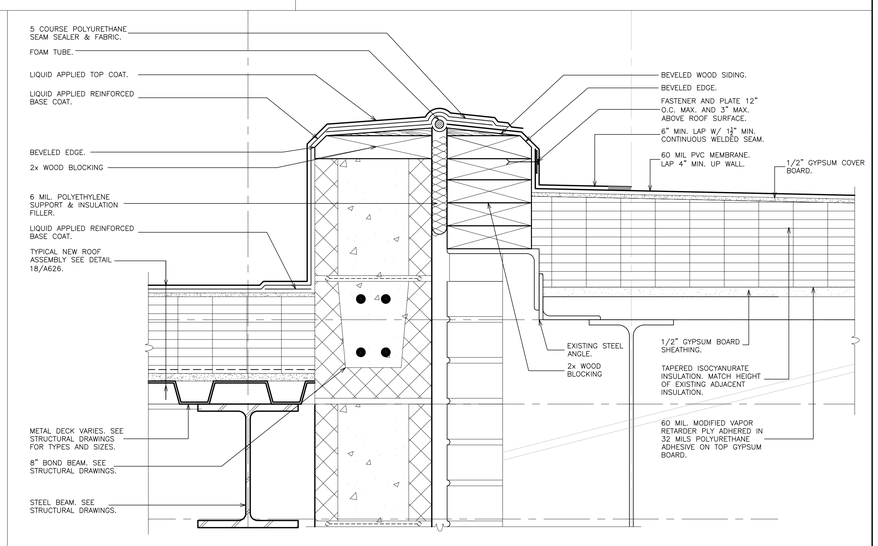
14 DETAIL - EAVE
SCALE: 3" = 1'-0"



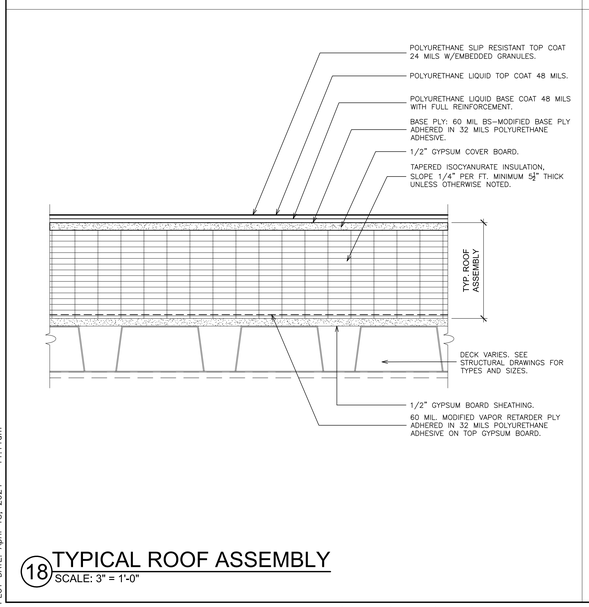
15 DETAIL - EAVE
SCALE: 3" = 1'-0"



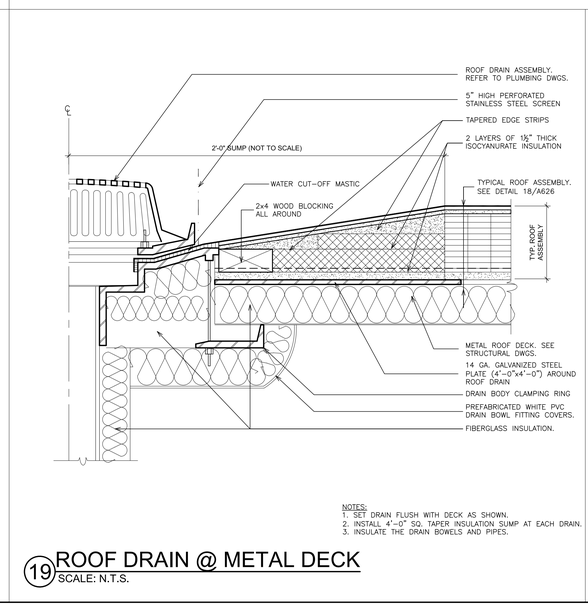
16 EXPANSION JOINT @ EXISTING WALL
SCALE: 3" = 1'-0"



17 EXPANSION JOINT @ EXISTING WALL
SCALE: 3" = 1'-0"

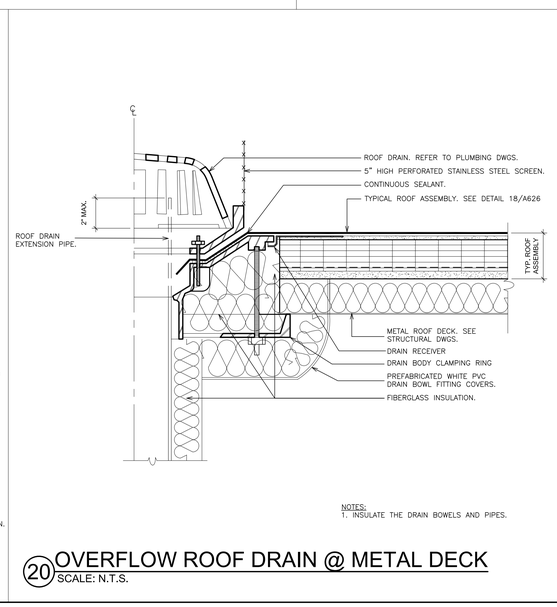


18 TYPICAL ROOF ASSEMBLY
SCALE: 3" = 1'-0"



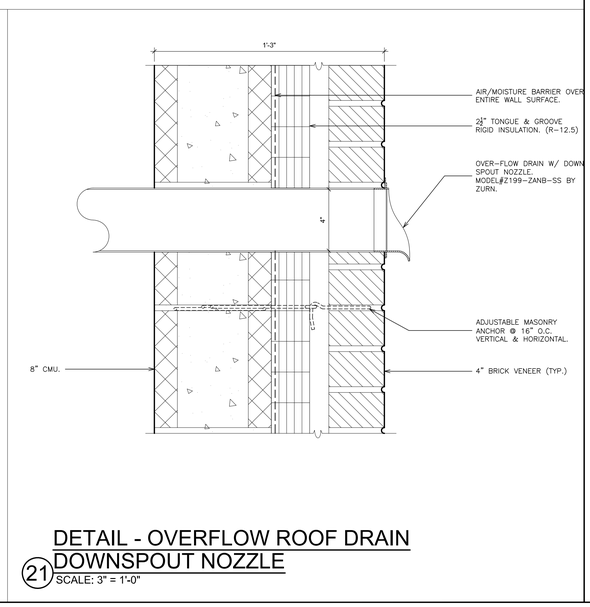
NOTES:
1. SET DRAIN FLUSH WITH DECK AS SHOWN.
2. INSTALL 4'-0" SQ. TAPER INSULATION SLUMP AT EACH DRAIN.
3. INSULATE THE DRAIN BOWELS AND PIPES.

19 ROOF DRAIN @ METAL DECK
SCALE: N.T.S.



NOTES:
1. INSULATE THE DRAIN BOWELS AND PIPES.

20 OVERFLOW ROOF DRAIN @ METAL DECK
SCALE: N.T.S.



DETAIL - OVERFLOW ROOF DRAIN DOWNSPOUT NOZZLE
21 SCALE: 3" = 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
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERDANGELO.COM

Copyright 2024 FULLER D'ANGELO ARCHITECTS & PLANNERS P.C.

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGBINTOWN ROAD BREWSTER, NY 10509

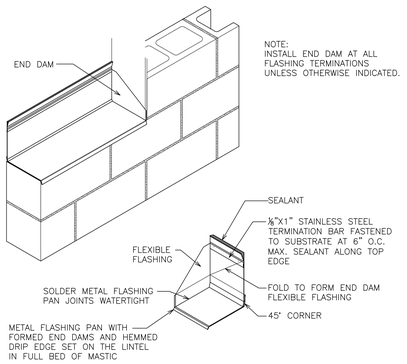
DRAWING TITLE
ROOF DETAILS

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

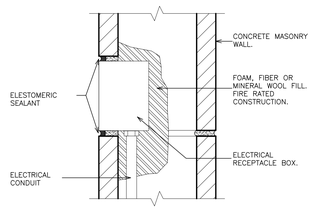
SHEET SIZE 30"x42"
DRAWING NO. BHS A626
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.01

PLOT DATE: April 18, 2024 - 11:11am

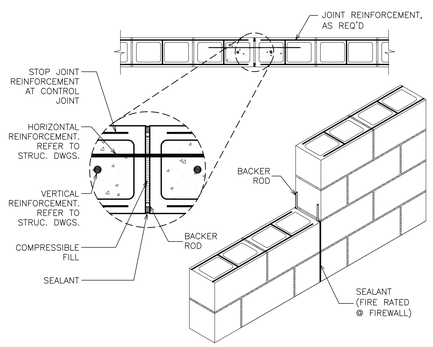
FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A625-A628.dwg



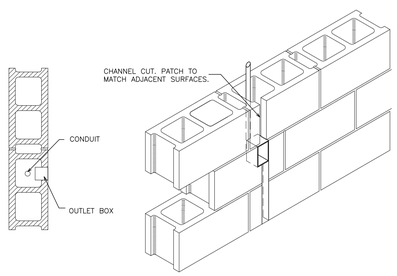
1 DETAIL- METAL FLASHING END DAM
SCALE: N.T.S



2 DETAIL- UTILITY BOX PENETRATION
SCALE: N.T.S.

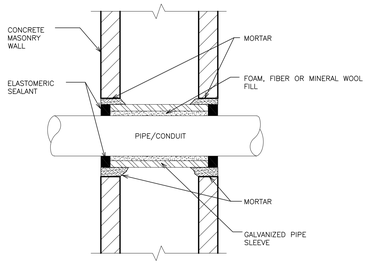


3 DETAIL- MOVEMENT JOINT REINFORCEMENT TYPICAL
SCALE: N.T.S SEE STRUCTURAL DRAWING FOR FURTHER INFORMATION.



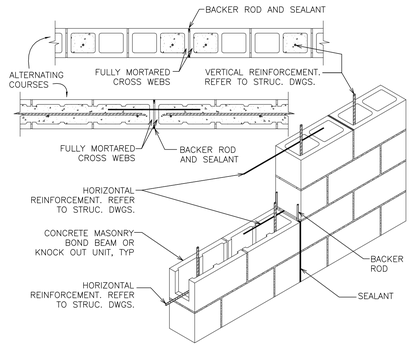
4 UTILITY BOXES
SCALE: N.T.S.

NOTE: STAGGER OUTLET BOXES ON EA. SIDE OF WALL



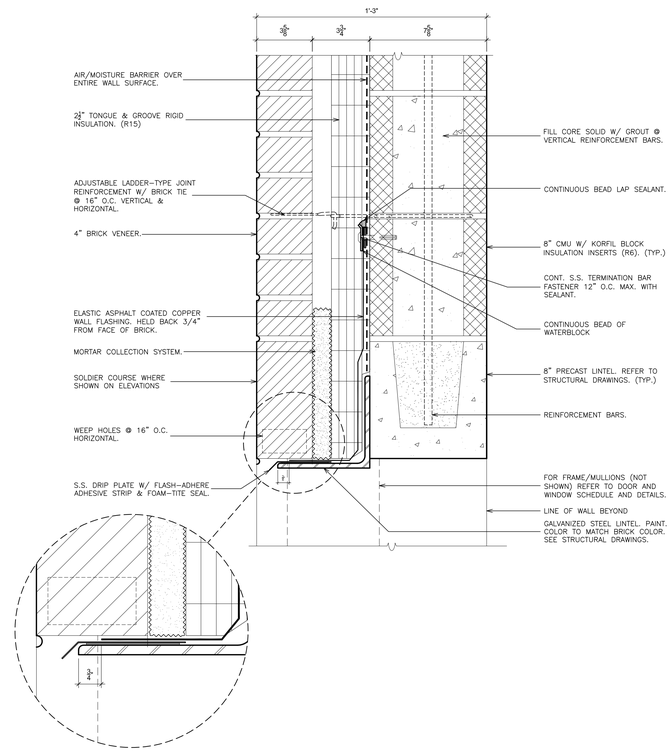
NOTE: AT FIRE RATED CONSTRUCTION, SEALANT & FILL MATERIAL SHALL HAVE A FIRE RATING EQUAL TO OR GREATER THAN CONSTRUCTION BEING PENETRATED

5 DETAIL- WALL PENETRATION
SCALE: N.T.S

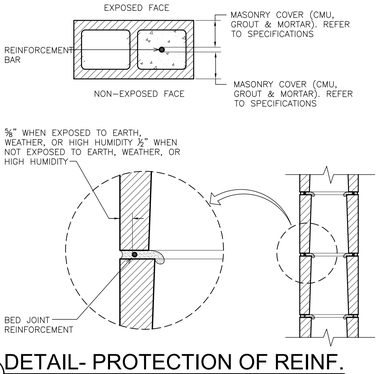


6 DETAIL- CONTROL JOINT REINFORCEMENT - BOND BEAM
SCALE: N.T.S

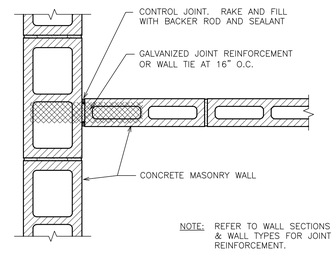
SEE STRUCTURAL DRAWING FOR FURTHER INFORMATION.



12 DETAIL- LINTEL FLASHING
SCALE: 3" = 1'-0"

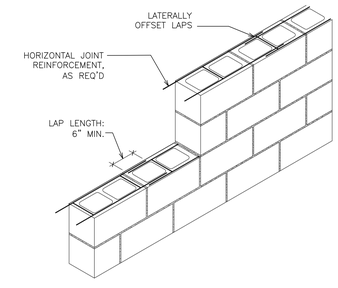


7 DETAIL- PROTECTION OF REINF.
SCALE: N.T.S



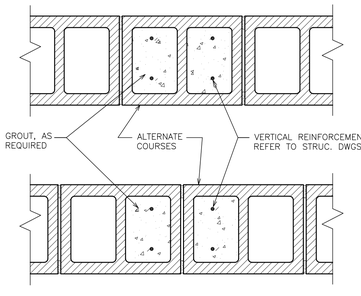
NOTE: REFER TO WALL SECTIONS & WALL TYPES FOR JOINT REINFORCEMENT.

8 DETAIL- WALL INTERSECTION - INTERIOR NON-LOAD BEARING WALL
SCALE: N.T.S

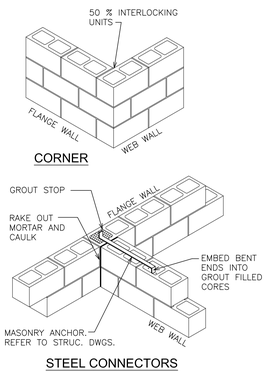


9 DETAIL- SPLICING JOINT REINF.
SCALE: N.T.S

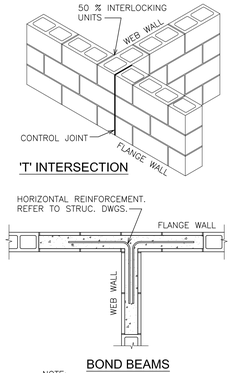
SEE STRUCTURAL DRAWING FOR FURTHER INFORMATION.



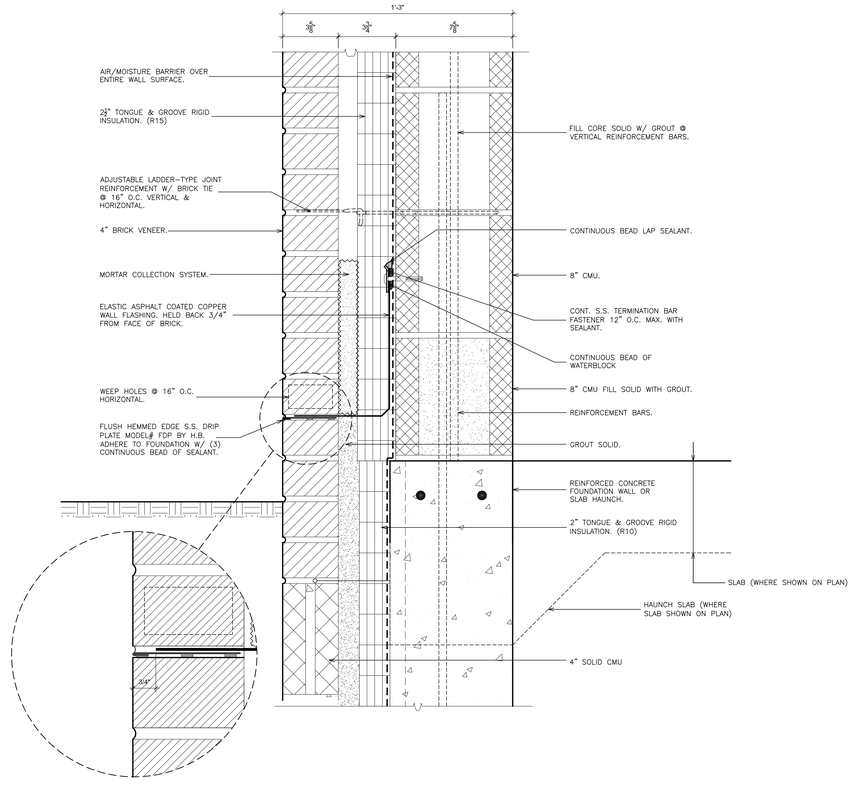
NOTE: REFER TO WALL SECTIONS & WALL TYPES FOR JOINT REINFORCEMENT.



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"

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
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERDANGELO.COM

Copyright 2024 FULLER D'ANGELO P.C.

S.E.D. CONTROL NUMBER:

BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGBRIDGE ROAD BREWSTER, NY 10509

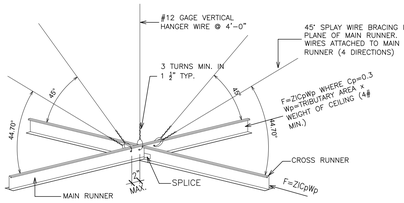
DRAWING TITLE
MISCELLANEOUS MASONRY DETAILS

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

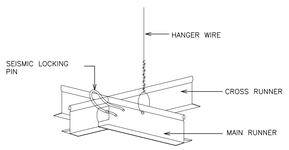
SHEET SIZE: 30"x42"
DRAWING NO.: BHS A650
SCALE: AS NOTED
DRAWN BY: F & D
FILE NO.: 23505.01

PLOT DATE: April 18, 2024 - 11:09am

FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A650.dwg

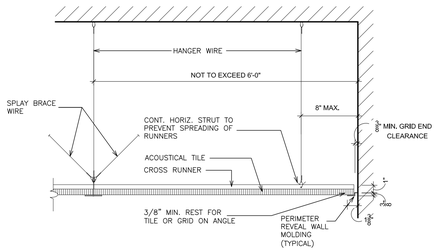


TYPICAL CEILING BRACING DETAIL

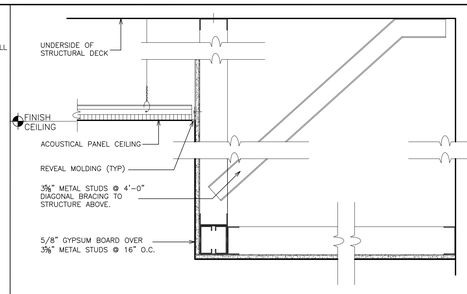


SPLICES AND INTERSECTIONS OF RUNNERS SHALL BE ATTACHED WITH MECHANICAL INTERLOCKING CONNECTORS SUCH AS POP RIVETS, SCREWS, PINS, PLATES WITH BENT TABS, OR OTHER APPROVED CONNECTORS. DESIGN CONNECTORS FOR 2x DESIGN LOAD OR ULTIMATE AXIAL TENSION OR COMPRESSION (MINIMUM 60 POUNDS)

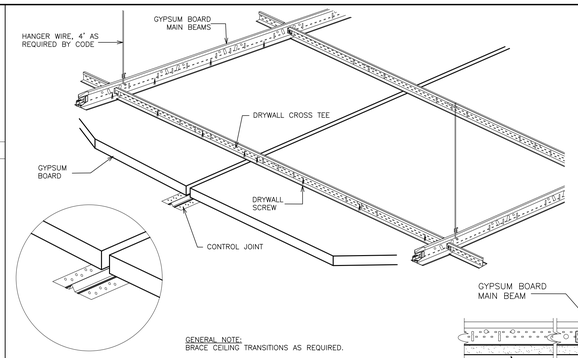
LOCKING PIN DETAIL



1 SEISMIC DETAIL @ ALL NEW SUSP. CEILINGS
SCALE: N.T.S.

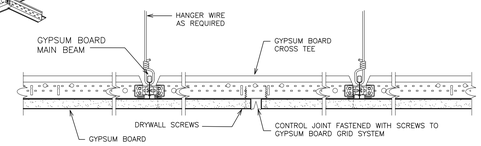


2 DETAIL - TRANSITION SOFFIT AND ACOUSTICAL CEILINGS
SCALE: 1 1/2" = 1'-0"

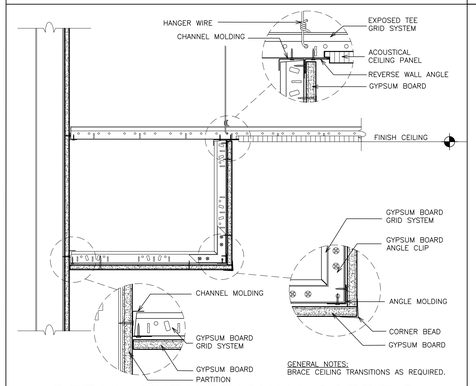


GENERAL NOTE:
BRACE CEILING TRANSITIONS AS REQUIRED.

4 DETAIL - CONTROL JOINT FOR DRYWALL CEILING SYSTEM
SCALE: 3" = 1'-0"

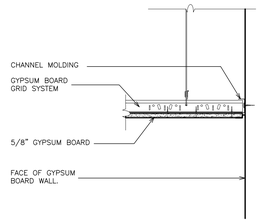


4a SECTION- DRYWALL CONTROL JOINT
SCALE: 3" = 1'-0"

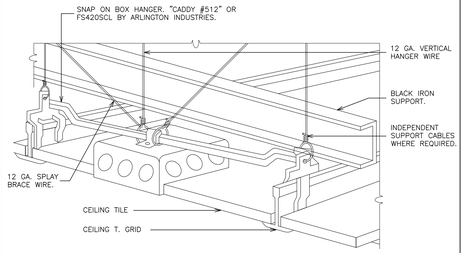


GENERAL NOTES:
BRACE CEILING TRANSITIONS AS REQUIRED.

3 DETAIL- THRU DRYWALL SOFFIT @ ACOUSTICAL CEILING SYSTEM
SCALE: 1 1/2" = 1'-0"



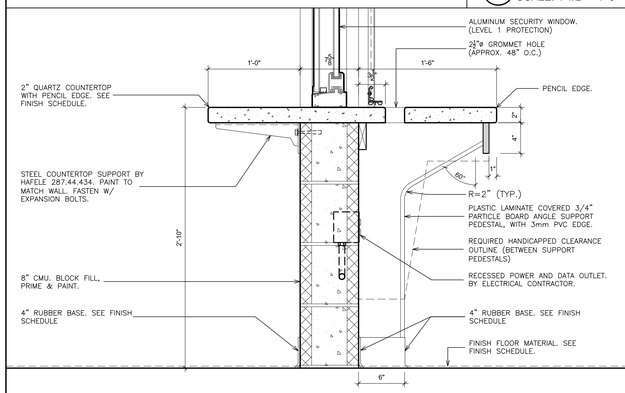
5 DETAIL- GYPSUM BOARD CEILING EDGE @ GYPSUM WALL
SCALE: 1 1/2" = 1'-0"



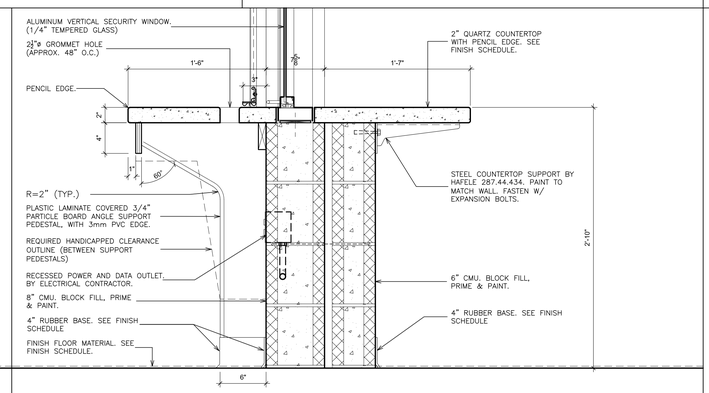
NOTES:

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.

6 DETAIL - CEILING MOUNTED DEVICE
NOT TO SCALE



7 CASEWORK DETAIL- WORK COUNTER
SCALE: 1 1/2" = 1'-0"



8 CASEWORK DETAIL- WORK COUNTER
SCALE: 1 1/2" = 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
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERANGELO.COM
Copyright 2024 FULLER D'ANGELO ARCHITECTS & PLANNERS P.C.

S.E.D. CONTROL NUMBER:

BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
CEILING DETAILS & MISCELLANEOUS DETAILS

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

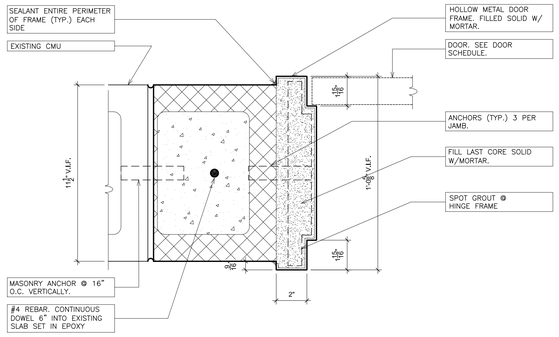
SHEET SIZE 30"x42"
DRAWING NO. BHS A651
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.01

PLOT DATE: April 18, 2024 – 11:10am

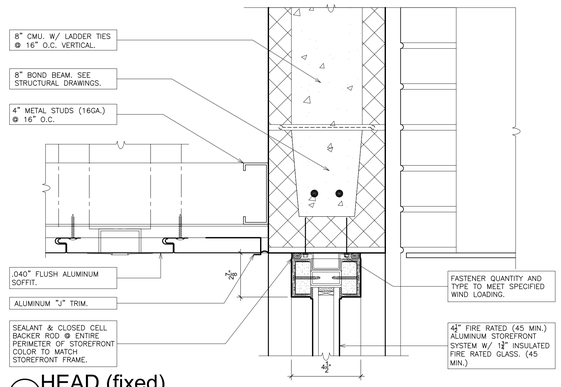
FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A651.dwg

DOOR SCHEDULE

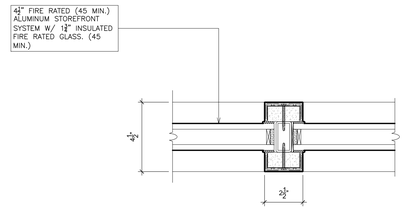
| BUILDING | LEVEL | LINE | DOOR NUMBER | DRAWING NUMBER | ROOM / RM No. | DOOR: DOUBLE LEAF DOOR | DOOR: WIDTH x HEIGHT | DOOR: NEW DOOR | DOOR: EXISTING DOOR | DOOR: DOOR TYPE | DOOR: DOOR MATERIAL | FRAME: FRAME TYPE | FRAME: FRAME MATERIAL | FRAME: DETAIL: HEAD DETAIL | FRAME: DETAIL: JAMB DETAIL | FRAME: DETAIL: SADDLE DETAIL | FIRE RATING (MIN.): 90 MINUTES | FIRE RATING (MIN.): 45 MINUTES | FIRE RATING (MIN.): 0 MINUTES | HARDWARE: 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 (SAFETY TYPES): FIRE RATED | GLAZING (SAFETY TYPES): INSULATED | GLAZING (SAFETY TYPES): LAMINATED | GLAZING (SAFETY TYPES): 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 | 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: ELECTRIC LATCH RETRACTION | SECURITY: ELECTRIC STRIKE | HARDWARE SET NO. | LINE | REMARKS |
|---|---|---



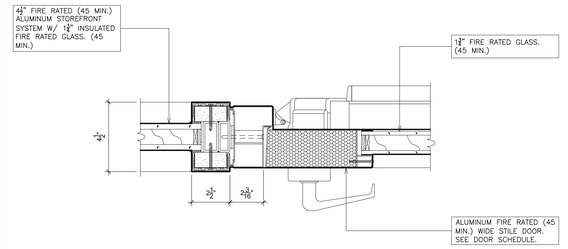
1 DOOR JAMB
SCALE: 3" = 1'-0"



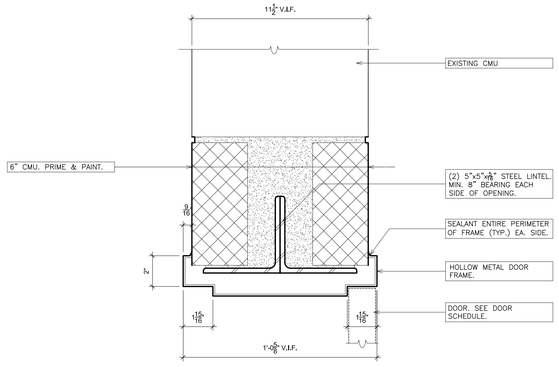
5 HEAD (fixed)
SCALE: 3" = 1'-0"



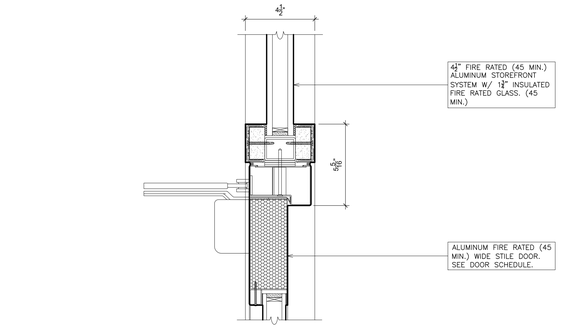
9 MULLION (fixed / fixed)
SCALE: 3" = 1'-0"



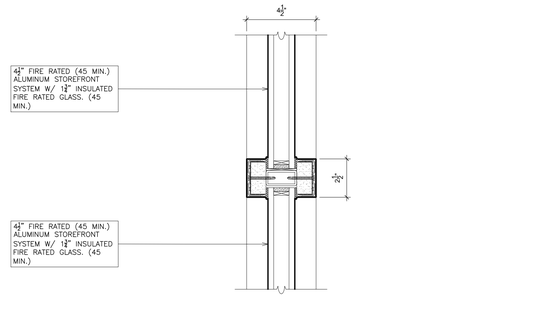
13 MULLION (fixed / door)
SCALE: 3" = 1'-0"



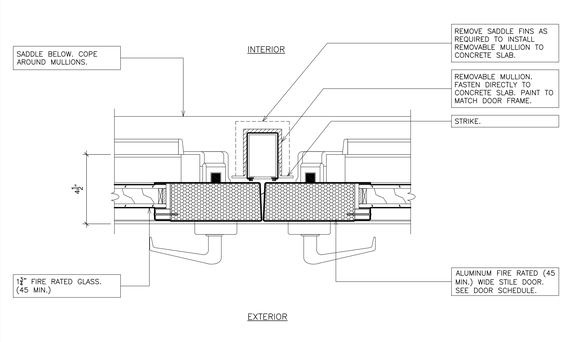
2 DOOR HEAD
SCALE: 3" = 1'-0"



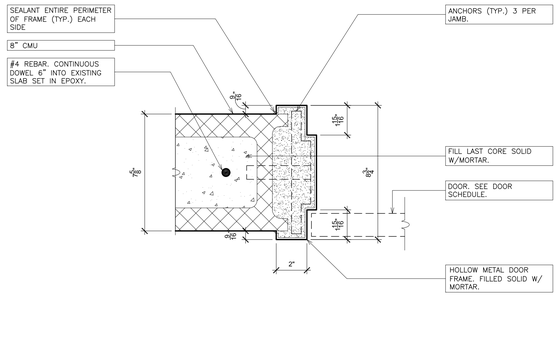
6 DOOR HEAD
SCALE: 3" = 1'-0"



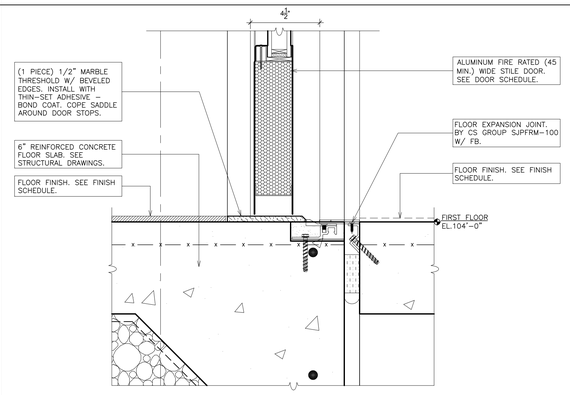
10 MEETING RAIL
SCALE: 3" = 1'-0"



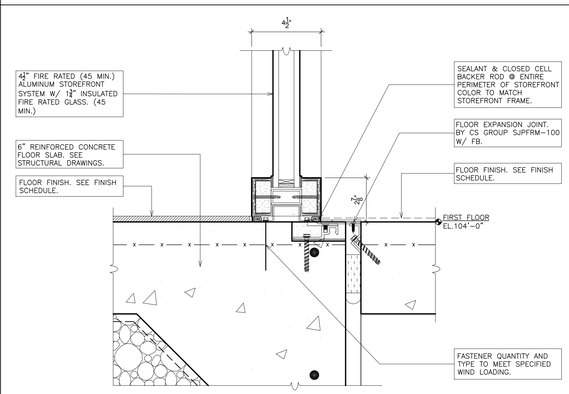
14 REMOVABLE MULLION
SCALE: 3" = 1'-0"



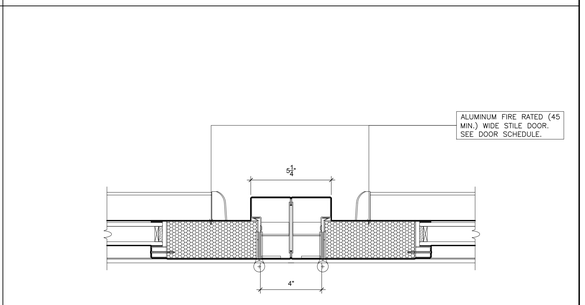
3 DOOR JAMB
SCALE: 3" = 1'-0"



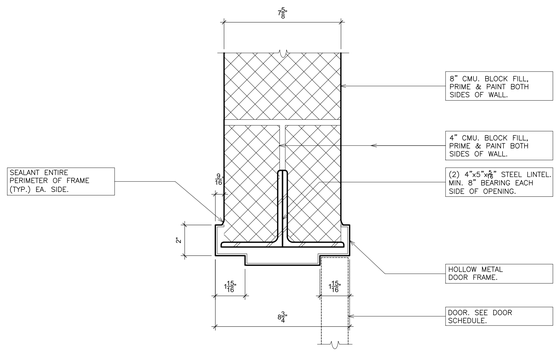
7 SILL (door)
SCALE: 3" = 1'-0"



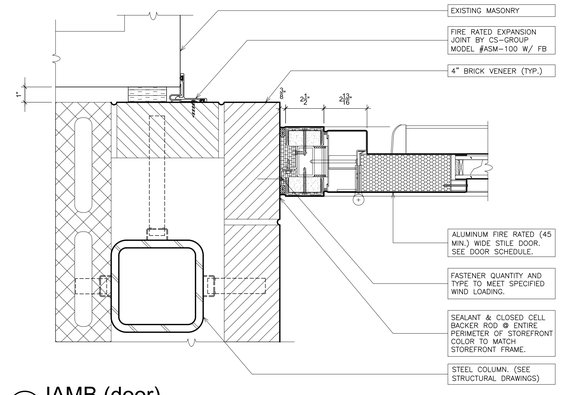
11 SILL (fix)
SCALE: 3" = 1'-0"



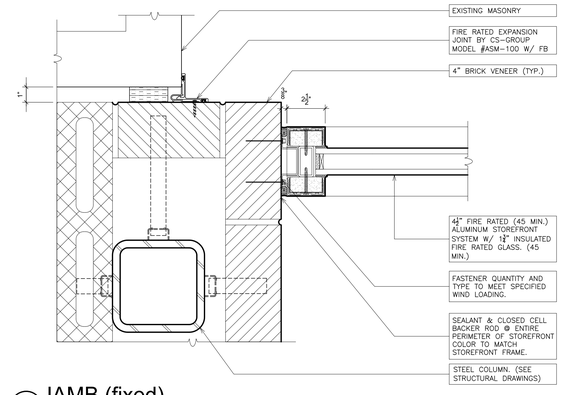
15 MULLION (door / door)
SCALE: 3" = 1'-0"



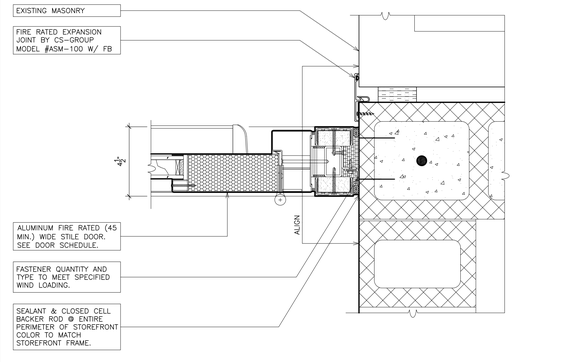
4 DOOR HEAD
SCALE: 3" = 1'-0"



8 JAMB (door)
SCALE: 3" = 1'-0"



12 JAMB (fixed)
SCALE: 3" = 1'-0"



16 DOOR JAMB
SCALE: 3" = 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
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERDANGELO.COM

Copyright 2024 FULLER D'ANGELO P.C.

S.E.D. CONTROL NUMBER:

BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & ALTERATIONS
50 FOGGINTOWN ROAD BREWSTER, NY 10509

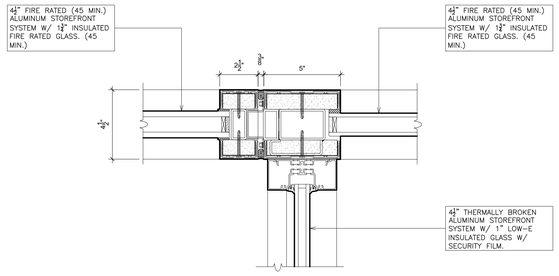
DRAWING TITLE
DOOR & WINDOW DETAILS

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

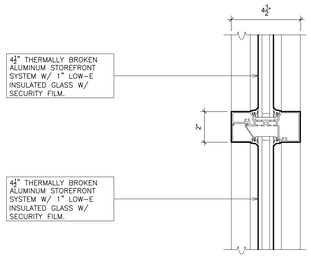
SHEET SIZE 30"x42"
DRAWING NO. A701
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.01

PLOT DATE: April 18, 2024 - 11:13am

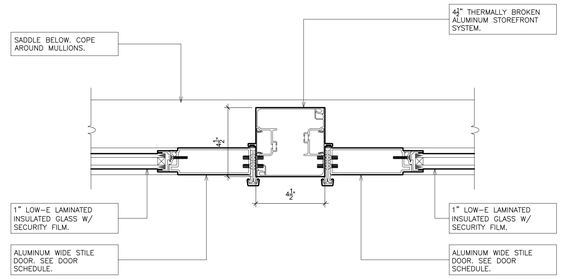
FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A700.dwg



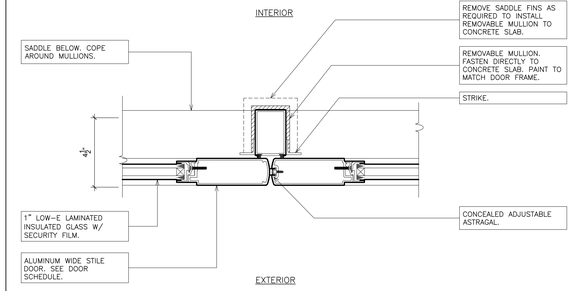
17 MULLION (fixed / fixed / fixed)
SCALE: 3" = 1'-0"



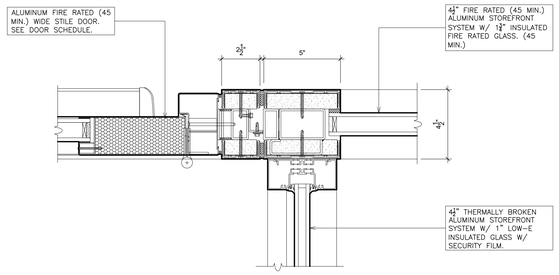
21 MEETING RAIL (fixed / fixed)
SCALE: 3" = 1'-0"



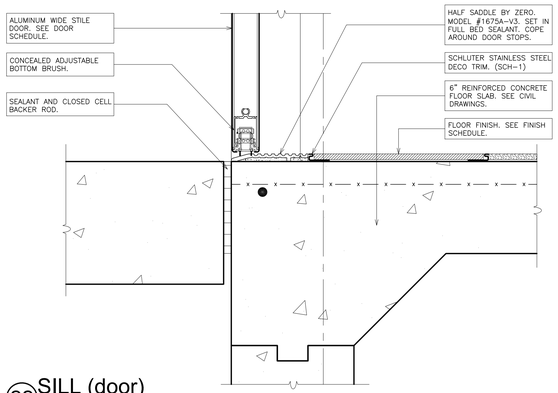
25 MULLION (door / door)
SCALE: 3" = 1'-0"



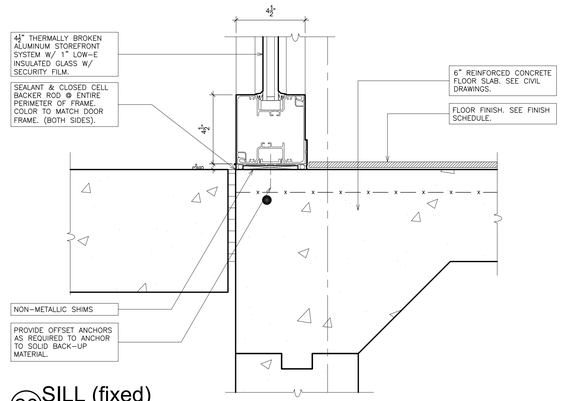
29 REMOVABLE MULLION
SCALE: 3" = 1'-0"



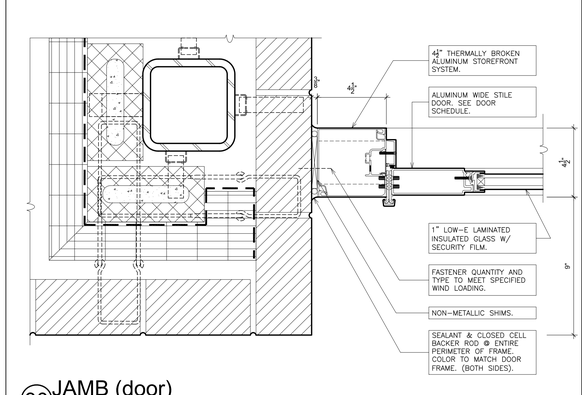
18 MULLION (door / fixed / fixed)
SCALE: 3" = 1'-0"



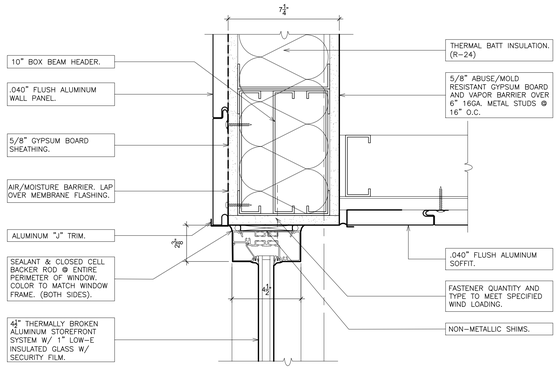
22 SILL (door)
SCALE: 3" = 1'-0"



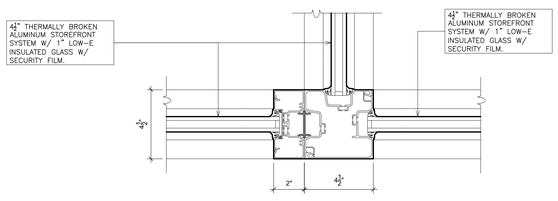
26 SILL (fixed)
SCALE: 3" = 1'-0"



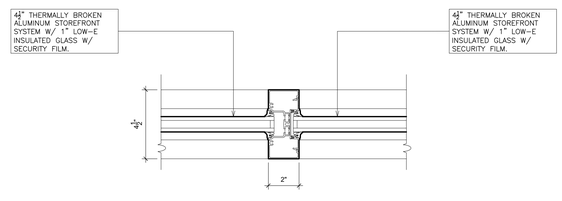
30 JAMB (door)
SCALE: 3" = 1'-0"



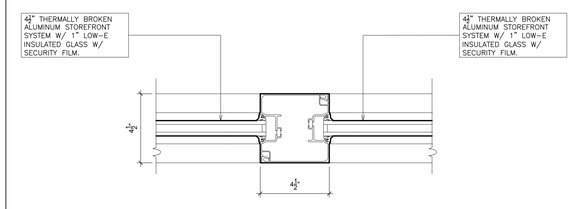
19 HEAD
SCALE: 3" = 1'-0"



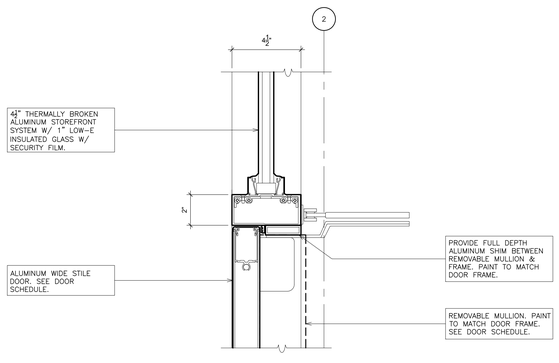
23 MULLION (fixed / fixed / fixed)
SCALE: 3" = 1'-0"



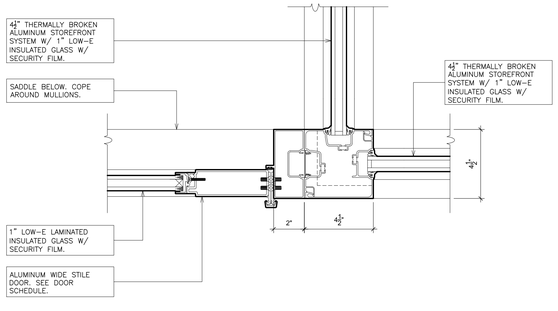
27 MULLION (fixed / fixed)
SCALE: 3" = 1'-0"



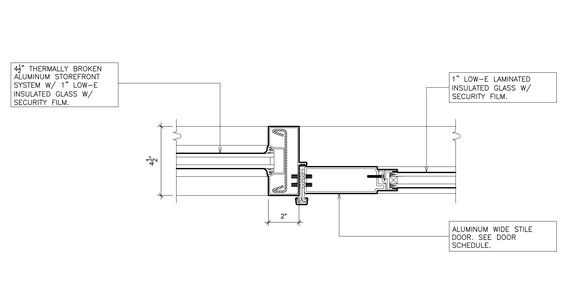
31 MULLION (fixed / fixed)
SCALE: 3" = 1'-0"



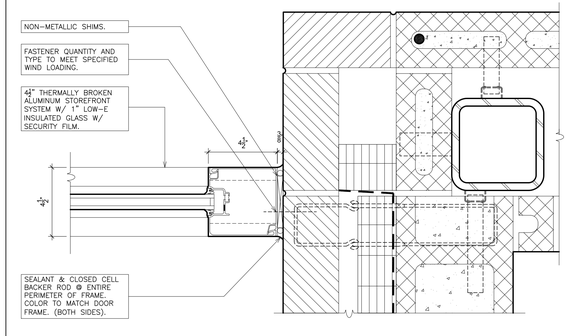
20 DOOR HEAD
SCALE: 3" = 1'-0"



24 MULLION (door / fixed)
SCALE: 3" = 1'-0"



28 MULLION (fixed / door)
SCALE: 3" = 1'-0"



32 JAMB (fixed)
SCALE: 3" = 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 PROPERTY AND PROPERTY OF F&D. ANY REPRODUCTION WITHOUT THE PRIOR CONSENT OF F&D IS PROHIBITED.

FULLER D'ANGELO P.C. ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERANGELO.COM
Copyright 2021 FULLER D'ANGELO & FIDDIS P.C.

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGARTOWN ROAD BREWSTER, NY 10509

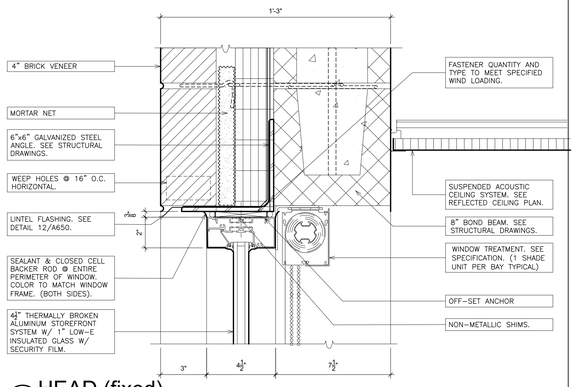
DRAWING TITLE
DOOR & WINDOW DETAILS

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

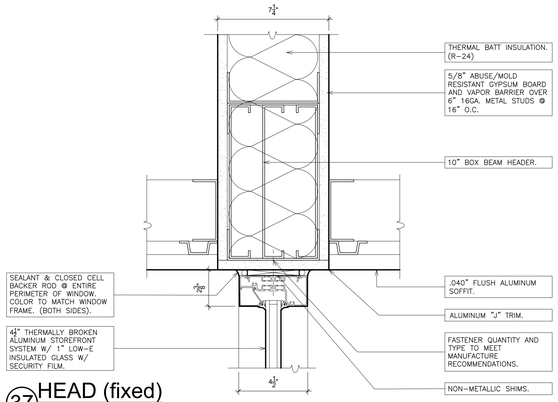
SHEET SIZE 30"x42"
DRAWING NO. A702
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.01

PLOT DATE: April 18, 2024 - 11:13am

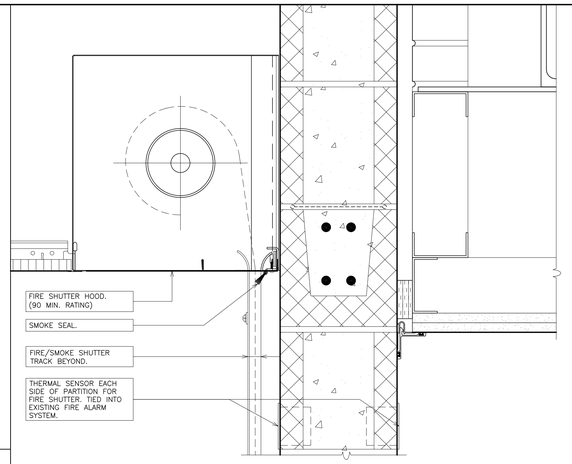
FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A700.dwg

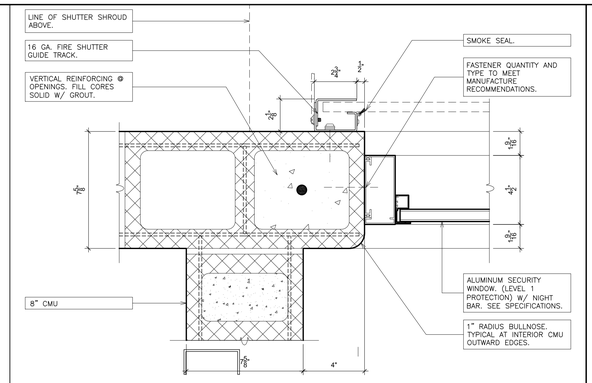


33 HEAD (fixed)
SCALE: 3" = 1'-0"

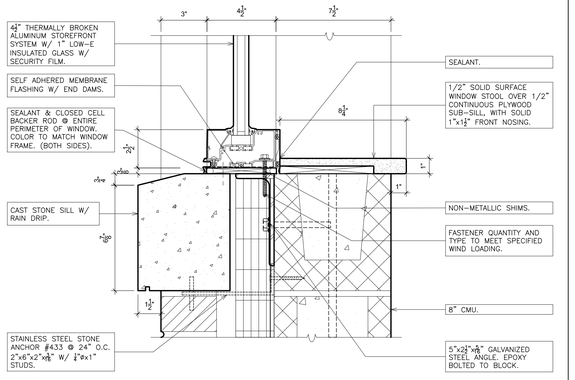


37 HEAD (fixed)
SCALE: 3" = 1'-0"

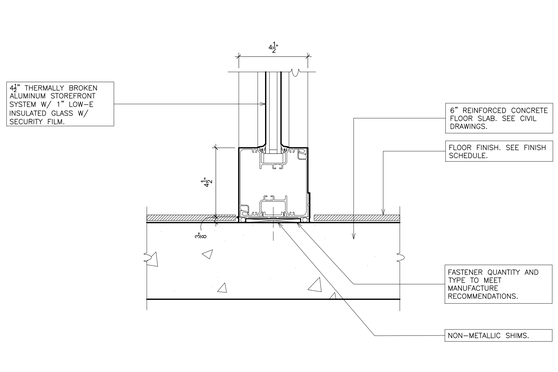




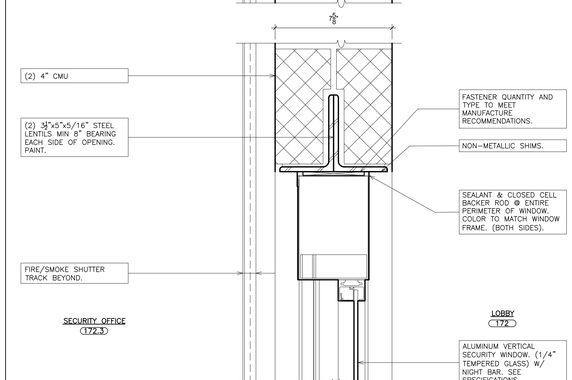
44 JAMB (fixed)
SCALE: 3" = 1'-0"



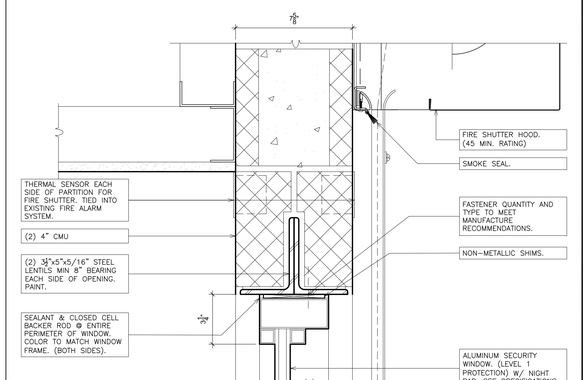
34 SILL (fixed)
SCALE: 3" = 1'-0"



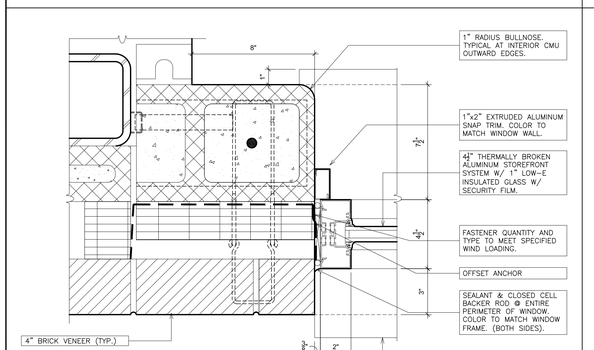
38 SILL (fixed)
SCALE: 3" = 1'-0"



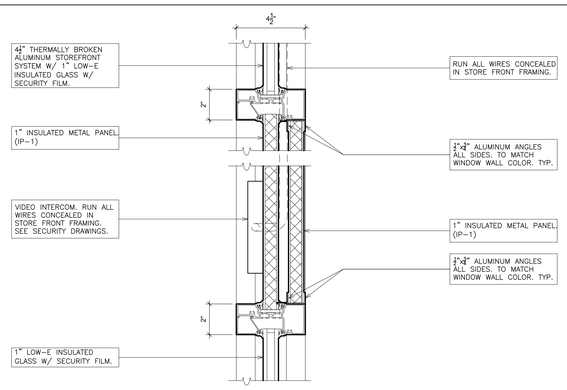
41 HEAD
SCALE: 3" = 1'-0"



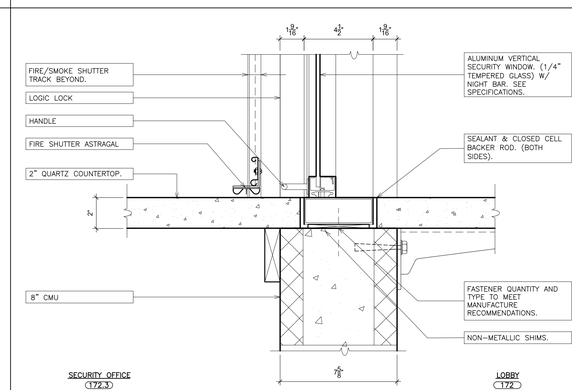
45 HEAD
SCALE: 3" = 1'-0"



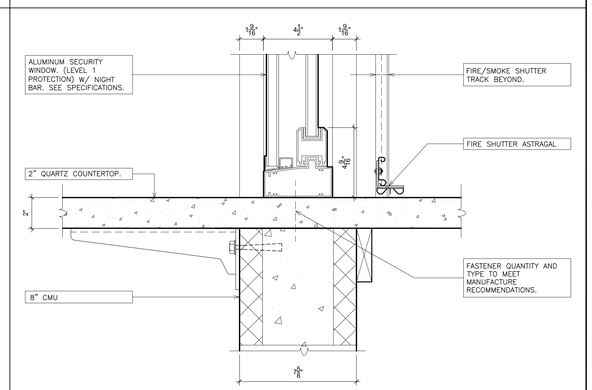
35 JAMB (fixed)
SCALE: 3" = 1'-0"



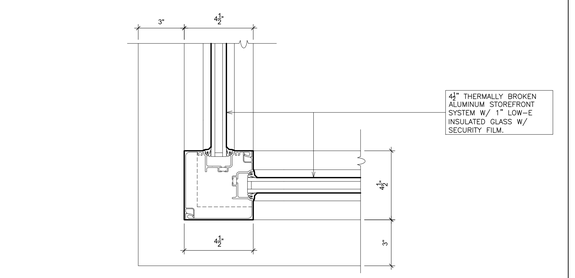
39 MEETING RAIL (fixed / fixed)
SCALE: 3" = 1'-0"



42 SILL (fixed)
SCALE: 3" = 1'-0"

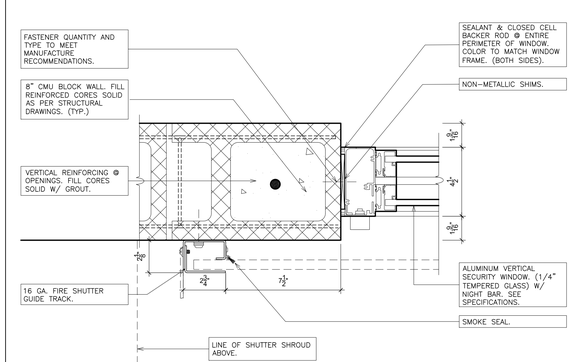


46 SILL (fixed)
SCALE: 3" = 1'-0"

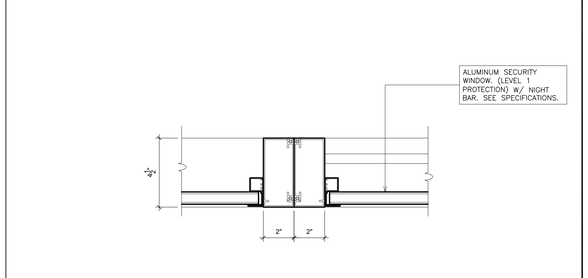


36 MULLION (fixed / fixed)
SCALE: 3" = 1'-0"

40 NOT USED
SCALE: 3" = 1'-0"



43 JAMB (fixed)
SCALE: 3" = 1'-0"



47 MULLION (fixed / fixed)
SCALE: 3" = 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
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERANDDANGELO.COM

Copyright 2024 FULLER D'ANGELO P.C.

S.E.D. CONTROL NUMBER:

BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

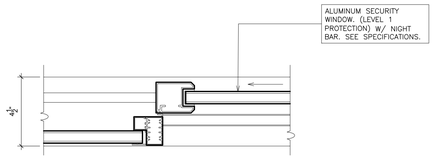
DRAWING TITLE
DOOR & WINDOW DETAILS

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

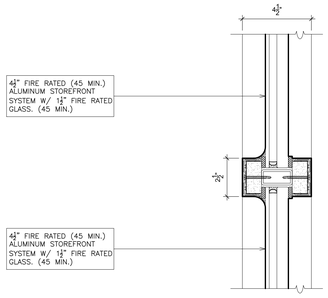
SHEET SIZE 30"x42"
DRAWING NO. A703
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.01

PLOT DATE: April 18, 2024 - 11:13am

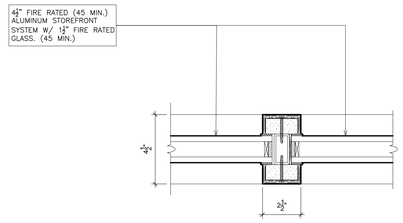
FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A700.dwg



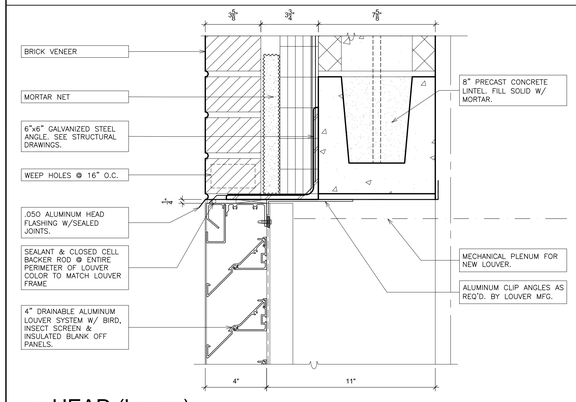
48 MULLION (fixed / slide open)
SCALE: 3" = 1'-0"



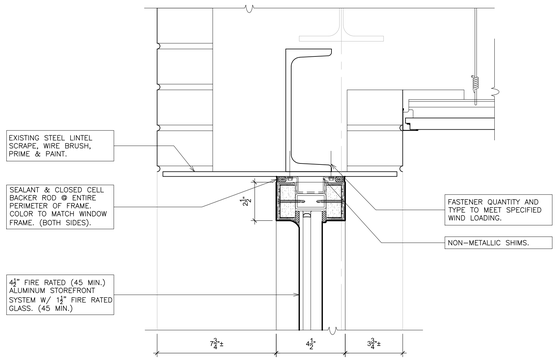
52 MEETING RAIL (fixed / fixed)
SCALE: 3" = 1'-0"



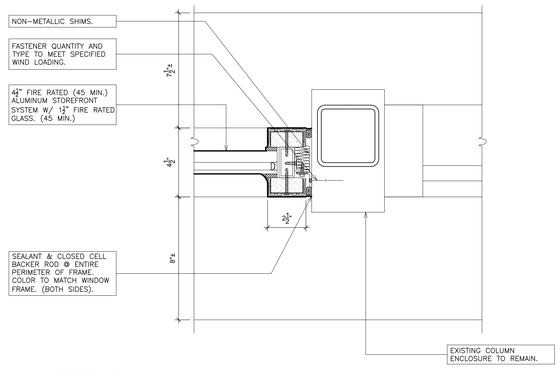
56 MULLION (fixed / fixed)
SCALE: 3" = 1'-0"



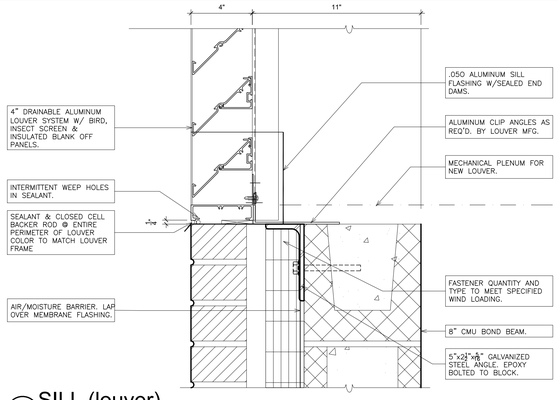
49 HEAD (louver)
SCALE: 3" = 1'-0"



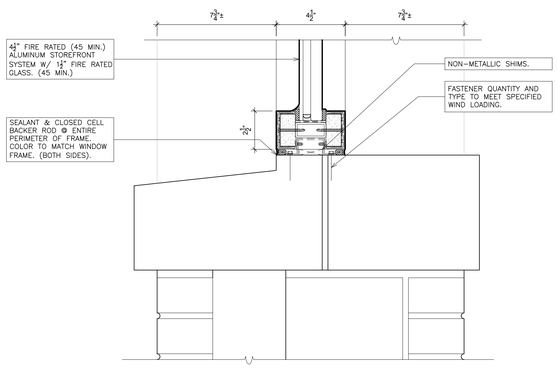
53 HEAD (fixed)
SCALE: 3" = 1'-0"



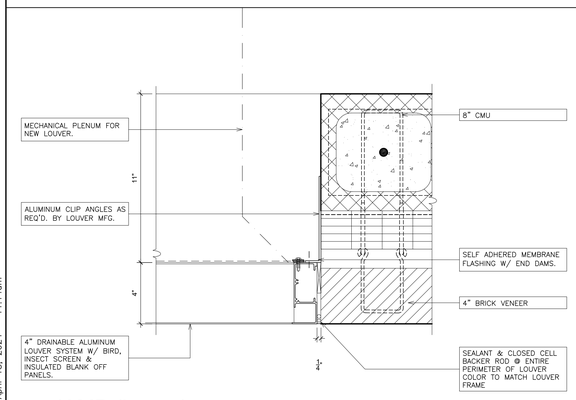
57 JAMB (fixed)
SCALE: 3" = 1'-0"



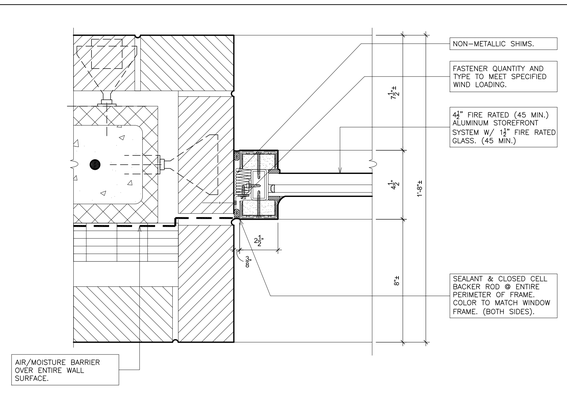
50 SILL (louver)
SCALE: 3" = 1'-0"



54 SILL (fixed)
SCALE: 3" = 1'-0"



51 JAMB (louver)
SCALE: 3" = 1'-0"



55 JAMB (fixed)
SCALE: 3" = 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
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERANDDANGELO.COM

Copyright 2024 FULLER D'ANGELO P.C.

S.E.D. CONTROL NUMBER:

BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
WINDOW DETAILS

DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. A704
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.01

PLOT DATE: April 18, 2024 - 11:14am

FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A700.dwg

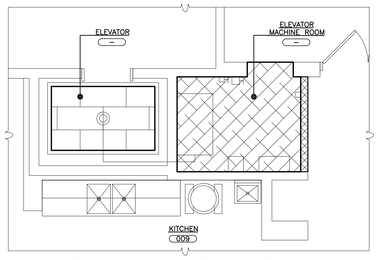
FINISH SCHEDULE LEGEND

LEGEND	SIZE	MANUFACTURER	SERIES/MODEL NO./ COLOR	DESCRIPTION	LOCATION / REMARKS
P-1	–	SHERWIN WILLIAMS	COLOR TO BE SELECTED BY ARCHITECT	EGGSHELL PAINT	OFFICE
P-2	–	SHERWIN WILLIAMS	SW7757 / HIGH REFLECTIVE WHITE	FLAT PAINT	SOFFITS & CEILINGS
P-3	–	SHERWIN WILLIAMS	COLOR TO BE SELECTED BY ARCHITECT	SEMI-GLOSS DOOR FRAMES	DOOR FRAMES
P-4	–	SHERWIN WILLIAMS	COLOR TO BE SELECTED BY ARCHITECT	FLOOR PAINT	FLOOR PAINT
ACT-1	2'x2'x⅝"	ARMSTRONG	ULTIMA HIGH NRC / 1940	ACOUSTICAL CEILING TILE	OFFICE
LVT-1	18"x36"	MANNINGTON	AMTICO SIGNATURE/ ABSTRACT / LINEAR SHALE ARDALA31	LUXURY VINYL TILE	OFFICE & ELEVATOR
VCT-1	12"x12"	ARMSTRONG	COLOR TO MATCH EXISTING ADJACENT	VINYL COMPOSITION TILE	CORRIDOR
WOM-1	24"x24"	MOHAWK	FIRST STEP II / GT315 / COBALT	WALK-OFF MAT	VESTIBULES
CT-1	12"x24"	FLORIDATILE	CANAL STREET / CST40 / SPANISH CLAY	PORCELAIN FLOOR TILE	FLOOR TILE IN VESTIBULES
GROUT-1	–	MAPEI	ULTRACOLOR PLUS FA /	WALL GROUT	WALL TILE
SCH-1	–	SCHLUTER	DECO-E / 10-E100D / BRUSHED STAINLESS STEEL	FLOOR TRANSITION	FLOOR TRIM BETWEEN WALK-OFF MAT & TILE
RB-1	4" HIGH	JOHNSONITE	45 SANDALWOOD WB	RUBBER BASE	OFFICE
RTS-1	–	JOHNSONITE	COLOR TO BE SELECTED BY ARCHITECT	RUBBER TRANSITION STRIPS	OFFICE
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

FINISH SCHEDULE

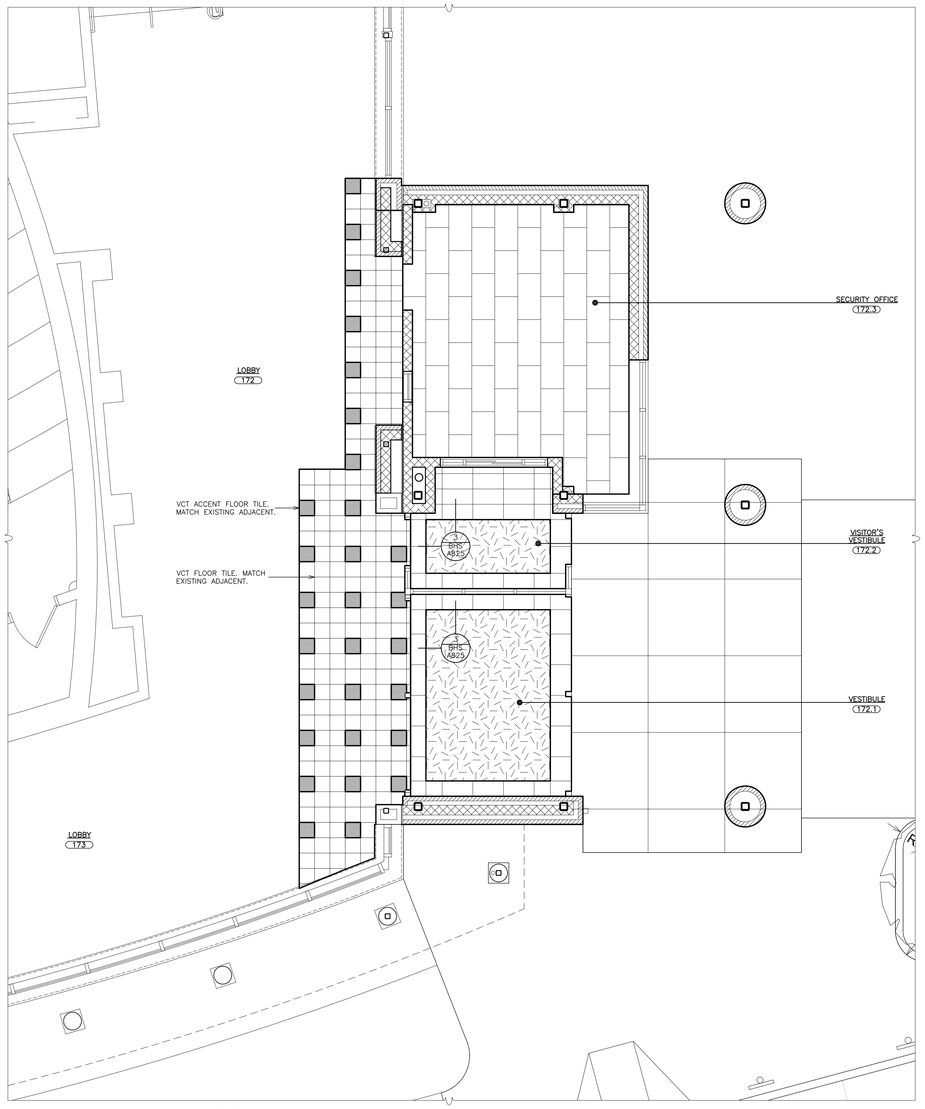
WALL INDICATIONS ON PLAN

BLDG.	LEVEL	LINE	DESIGNATION	FLOOR	WALL BASE	WALL 1	WALL 2	WALL 3	WALL 4	CLG.	TRIM		CASEWORK			REMARKS
											DOORS	DOOR FRAMES	CABINETS	COUNTER TOPS	EDGING	
BREWSTER HIGH SCHOOL	BASEMENT	01	KITCHEN/009	–	–	–	–	–	P-1	–	–	–	–	–	–	
		02	ELEVATOR/–	LVT-1	–	–	–	–	–	–	–	P-3	–	–	–	
		03	ELEVATOR MACHINE ROOM/–	P-4	–	P-1	P-1	P-1	P-1	–	–	P-3	–	–	–	
		04														
		05														
		06														
		07														
		08														
		09														
		10														
	FIRST FLOOR	11	LOBBY/172	VCT-1	RB-1	–	P-1	–	–	ACT-1/ P-2	–	–	–	COT-1	–	
		12	VESTIBULE/172.1	WOM-1/ CT-1	–	–	–	–	–	–	–	–	–	–	–	
		13	VISITOR'S VESTIBULE/172.2	WOM-1/ CT-1	–	P-1	–	–	–	P-2	–	–	–	COT-1	–	
		14	SECURITY OFFICE/172.3	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1/ P-2	–	P-3	CAB-1	COT-1	EDGE-1	
		15														
		16														
		17														
		18														
		19														
		20														
		21														
		22														
		23														
		24														
		25														
		26														
		27														
		28														
		29														
		30														



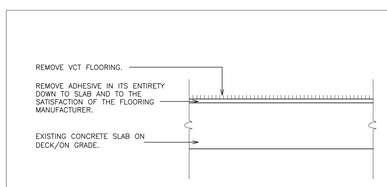
2 PARTIAL GROUND LEVEL FINISH PLAN
SCALE: 1/4" = 1'-0"

0 2' 4' 8' 16'

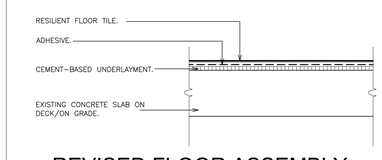


2 PARTIAL FIRST FLOOR FINISH PLAN
SCALE: 1/4" = 1'-0"

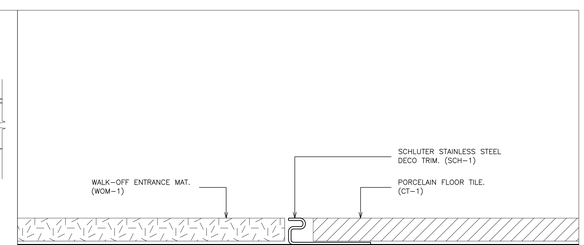
0 2' 4' 8' 16'



1 EXISTING FLOOR ASSEMBLY
SCALE: 1 1/2" = 1'-0"



2 REVISED FLOOR ASSEMBLY
SCALE: 1 1/2" = 1'-0"



3 DETAIL- ENTRANCE MAT
SCALE: 1" = 1'-0"

FLOOR FINISH LEGEND

- 18"x36" LUXURY VINYL TILE FLOORING. SEE FINISH SCHEDULE.
- 12"x12" VINYL FLOOR TILE. SEE FINISH SCHEDULE.
- 12"x24" PORCELAIN FLOOR TILE. SEE FINISH SCHEDULE.
- FLOOR PAINTED. SEE FINISH SCHEDULE.
- MARBLE SADDLE. SEE DOOR DETAIL B/A701.
- WALK-OFF MAT. SEE DETAIL /A.

WALL INDICATIONS ON FINISH SCHEDULE

NOTE: 1. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION

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
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERDANGELO.COM

Copyright 2024 FULLER D'ANGELO P.C.

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD &
RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

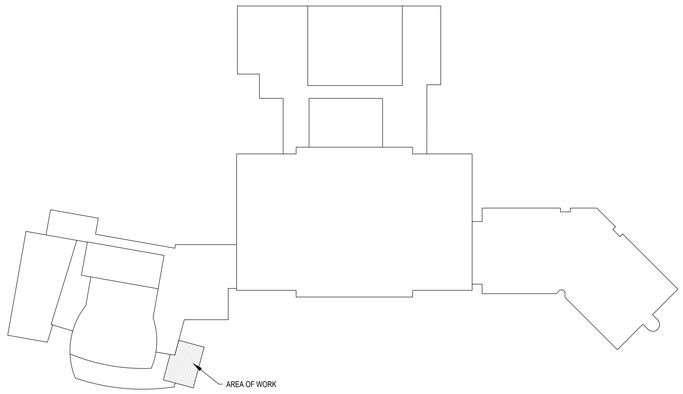
DRAWING TITLE
FINISH LEGEND, FINISH SCHEDULE AND DETAILS

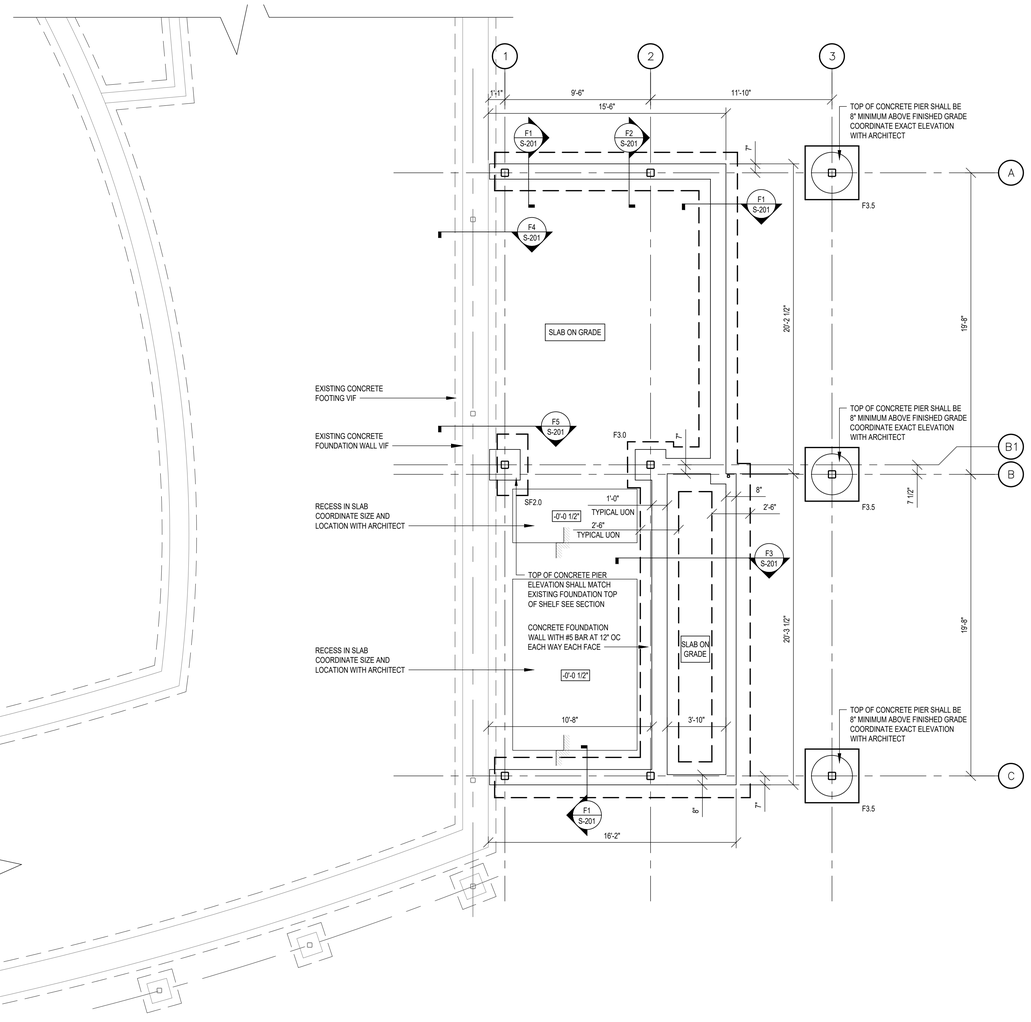
DATE	ISSUED TO
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION

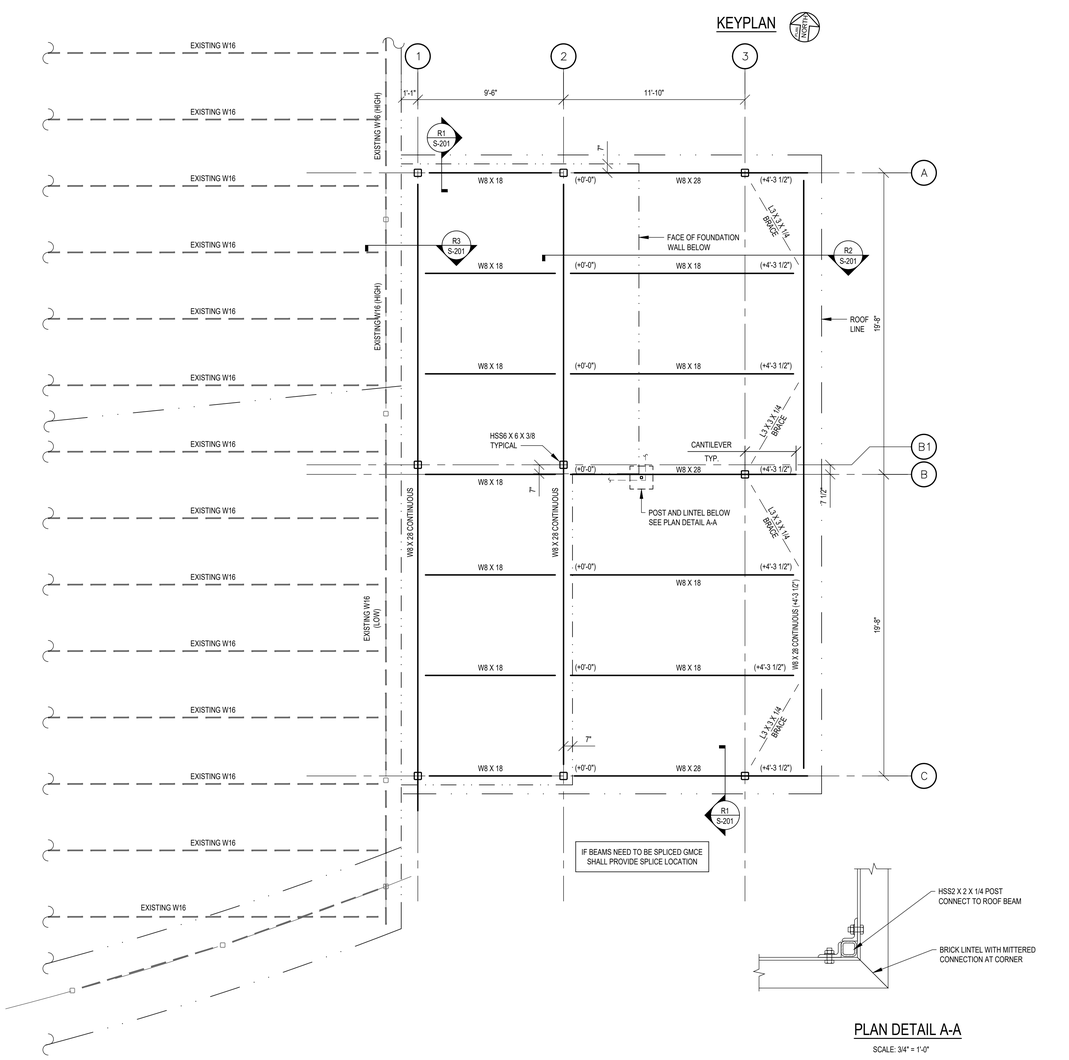
SHEET SIZE: 30"x42"
DRAWING NO.: BHS A825
SCALE: AS NOTED
DRAWN BY: F & D
FILE NO.: 23505.01

PLOT DATE: April 18, 2024 - 10:43am

FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\A825.dwg



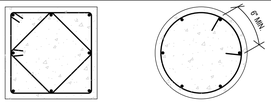




PLAN DETAIL A-A

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

REINFORCED CONCRETE PIER & BUTTRESS SCHEDULE					
DESIGNATION	SIZE	REINFORCEMENT		REINFORCEMENT CASE	REMARKS
		VERTICAL BARS	TIES		
ALL BUTTRESSES UON	24"X 24"	8- #7	#3 @ 12"	1	PROVIDE ADDITIONAL #3 TIES @ 3" OC TOP
ALL EXTERIOR PIERS UON	32" Ø	7- #7	#3 @ 12"	2	PROVIDE ADDITIONAL #3 TIES @ 3" OC TOP



CASE 1 CASE 2

NOTE: FOOTINGS SHALL BE CENTERED UNDER COLUMNS UNLESS OTHERWISE NOTED ON PLAN

FOOTING SCHEDULE

MARK	SIZE	DEPTH	REINFORCING EACH WAY
F 3.0	3'-0" X 3'-0"	1'-0"	3- #5 BOTTOM
F 3.5	3'-6" X 3'-6"	1'-0"	4- #5 BOTTOM
SF 2.0	2'-0" X 4'-0"	1'-0"	LONG DIRECTION: 3- #5 BOTTOM

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
STIRRUPS & TIES IN BEAMS AND COLUMNS	1 1/2

FOUNDATION PLAN

SCALE: 1/4" = 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/ 6S- 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 <s ---> ON PLAN.
5. TOP OF ALL CONCRETE BUTTRESSES IS [-1'-0"] UNLESS OTHERWISE NOTED THUS [s—] ON PLAN.
6. BOTTOM OF ALL FOOTINGS IS (-5'-0") UNLESS OTHERWISE NOTED THUS (s —) ON PLAN.
7. 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.

MASONRY OPENING STEEL ANGLE LINTEL SCHEDULE	
ANGLE SIZES GIVEN ARE FOR EACH 4" WYTHE OF MASONRY	
CLEAR MASONRY OPENING WIDTH	MINIMUM ANGLE SIZE
NO MORE THAN 3'-11"	L3 1/2 X 3 1/2 X 3/8"
4'-0" TO 5'-11"	L4 X 4 X 3/8"
6'-0" TO 7'-11"	L5 X 3 1/2 X 3/8"
8'-0" TO 9'-11"	L6 X 4 X 3/8"
10'-0" TO 12'-0"	L7 X 4 X 3/8"
PROVIDE 8" BEARING UON HOT DIP GALVANIZE LINTELS IN EXTERIOR WALLS	

ROOF FRAMING PLAN

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

NOTE:
1. DATUM FOR ALL ELEVATIONS GIVEN ON THIS PLAN IS TOP OF STEEL BEAMS AT FLOOR PORTION OF ROOF ELEVATION ±0. FOR ACTUAL ELEVATION SEE ARCHITECTURAL DRAWINGS.
2. ROOF DECK SHALL BE 1 1/2" DEEP GALVANIZED 18 GAGE MINIMUM TYPE "B".
4. TOP OF ALL STRUCTURAL STEEL BEAMS (+0'-0") UNLESS OTHERWISE NOTED THUS (s—) ON PLAN.

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
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.4444 FAX 914.592.1717
WWW.FULLERDANGELO.COM

Copyright 2023 © All Rights Reserved by FULLER & D'ANGELO P.C.

SealPact 2023-10-10 12:12:04 EST
Click seal or scan QR Code for verification; otherwise not valid.

STATE OF NEW YORK CHRISTOPHER R. FULLER LICENSED PROFESSIONAL ENGINEER
SEE SEALPACT VERIFICATION
LICENCE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE: BREWSTER CENTRAL SCHOOL DISTRICT BREWSTER HIGH SCHOOL SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK 50 FOGGINTOWN ROAD BREWSTER, NY 10509

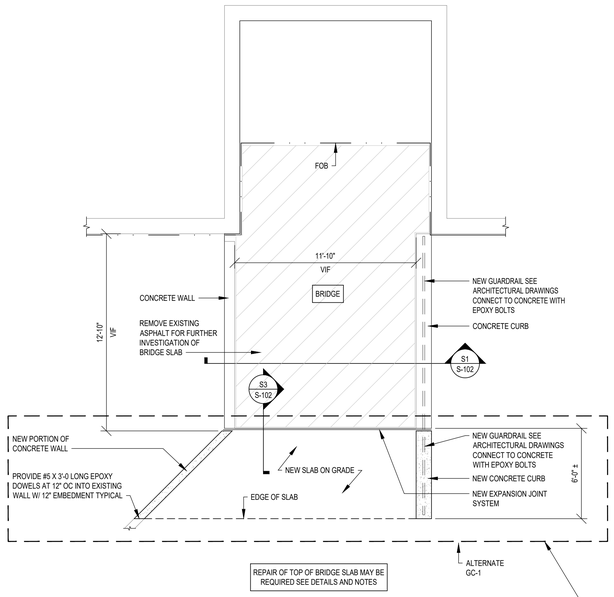
DRAWING TITLE: SECURITY VESTIBULE FOUNDATION PLAN AND ROOF FRAMING PLAN

PROJECT # 23041

04-23-2024	BID
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE 30"x42" | DRAWING NO. BHS S-101
SCALE AS NOTED
DRAWN BY F & D | FILE NO. 23505.01

RText (RText)

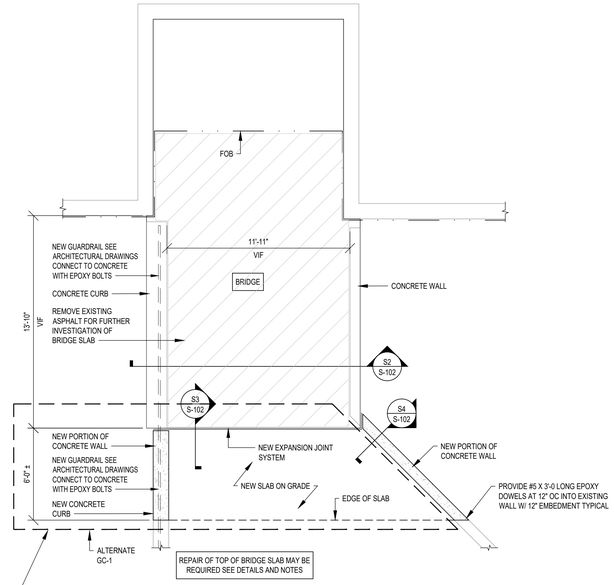


WEST BRIDGE PLAN

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

NOTES:
1. ALL FRAMING SHOWN ON PLAN IS EXISTING UNLESS OTHERWISE NOTED AS NEW.
2. CONTRACTOR SHALL VERIFY ALL BEAM SIZES AND LOCATIONS PRIOR TO START OF WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER.
3. ALL DIMENSIONS SHALL BE VERIFIED IN FIELD PRIOR TO START OF WORK.
4. REPAIR ALL CRACKS PRIOR TO APPLYING MEMBRANE.

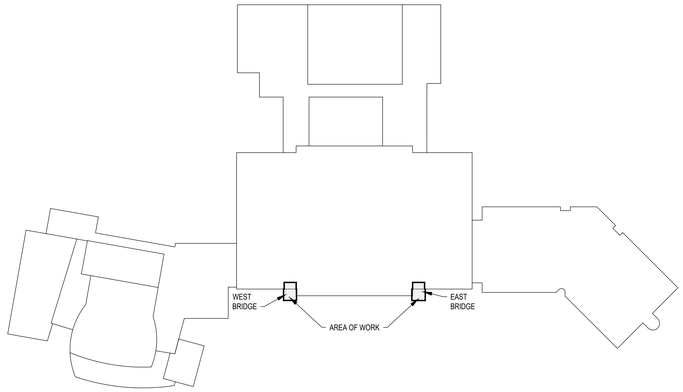
BASE BID SHALL NOT INCLUDE THE ALTERNATE GC-1 WORK SHOWN ON PLAN AND ON SECTION



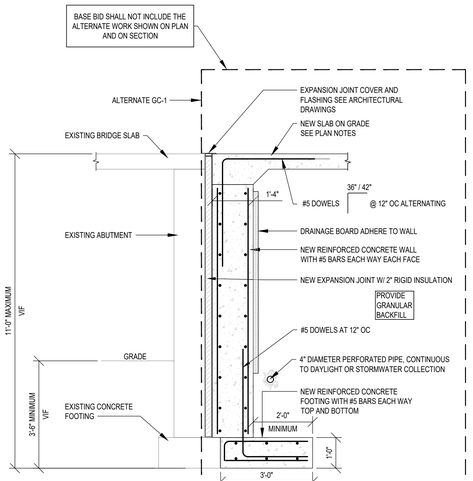
EAST BRIDGE PLAN

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

NOTES:
1. ALL FRAMING SHOWN ON PLAN IS EXISTING UNLESS OTHERWISE NOTED AS NEW.
2. CONTRACTOR SHALL VERIFY ALL BEAM SIZES AND LOCATIONS PRIOR TO START OF WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER.
3. ALL DIMENSIONS SHALL BE VERIFIED IN FIELD PRIOR TO START OF WORK.
4. REPAIR ALL CRACKS PRIOR TO APPLYING MEMBRANE.

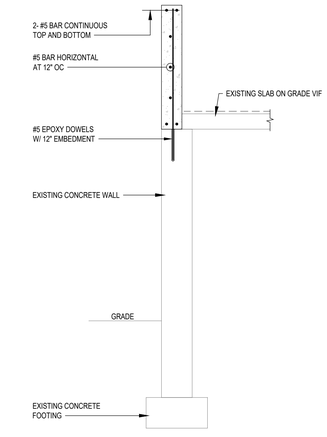


KEYPLAN



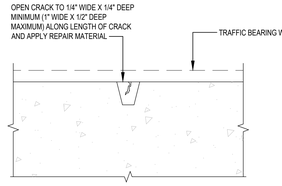
SECTION S3

SCALE: 1/2" = 1'-0"



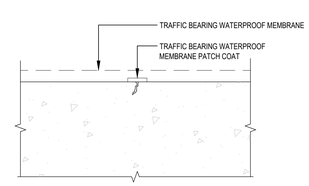
SECTION S4

SCALE: 1/2" = 1'-0"



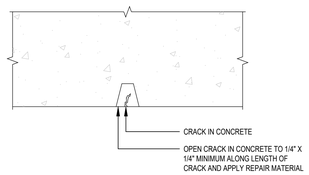
TYPICAL BALCONY CRACK REPAIR DETAIL

NTS
NOTE:
APPLIES TO CRACKS WIDER THAN 1/16".
REFER TO TOP OF BALCONY REPAIR NOTES FOR PROCEDURE.



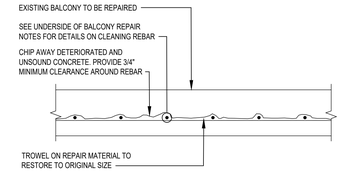
TYPICAL PATCH DETAIL

NTS
NOTE:
APPLIES TO CRACKS 1/16" WIDE OR LESS.
REFER TO TOP OF BALCONY REPAIR NOTES FOR PROCEDURE



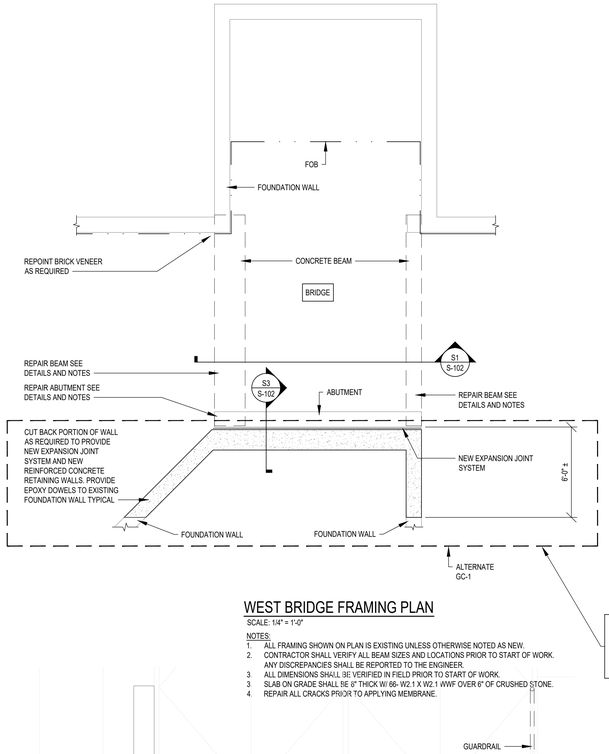
TYPICAL UNDERSIDE OF BALCONY CRACK REPAIR DETAIL

NTS
NOTE:
REFER TO UNDERSIDE OF BALCONY REPAIR NOTES FOR PROCEDURE.



TYPICAL UNDERSIDE OF BALCONY REPAIR DETAIL AT REINFORCING STEEL

SCALE: NTS

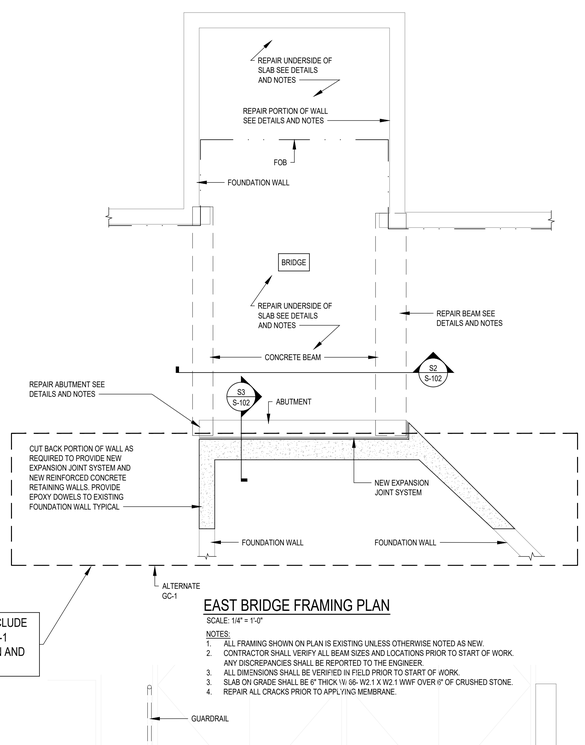


WEST BRIDGE FRAMING PLAN

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

NOTES:
1. ALL FRAMING SHOWN ON PLAN IS EXISTING UNLESS OTHERWISE NOTED AS NEW.
2. CONTRACTOR SHALL VERIFY ALL BEAM SIZES AND LOCATIONS PRIOR TO START OF WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER.
3. ALL DIMENSIONS SHALL BE VERIFIED IN FIELD PRIOR TO START OF WORK.
4. SLAB ON GRADE SHALL BE 6" THICK W/ 6b- W2.1 X W2.1 WWF OVER 6" OF CRUSHED STONE.
5. REPAIR ALL CRACKS PRIOR TO APPLYING MEMBRANE.

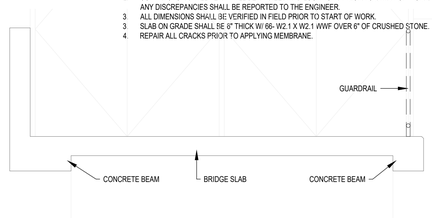
BASE BID SHALL NOT INCLUDE THE ALTERNATE GC-1 WORK SHOWN ON PLAN AND ON SECTION



EAST BRIDGE FRAMING PLAN

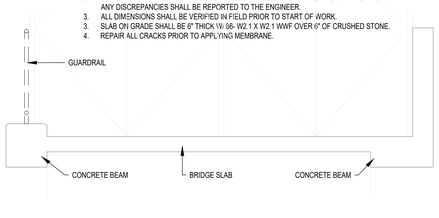
SCALE: 1/4" = 1'-0"

NOTES:
1. ALL FRAMING SHOWN ON PLAN IS EXISTING UNLESS OTHERWISE NOTED AS NEW.
2. CONTRACTOR SHALL VERIFY ALL BEAM SIZES AND LOCATIONS PRIOR TO START OF WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER.
3. ALL DIMENSIONS SHALL BE VERIFIED IN FIELD PRIOR TO START OF WORK.
4. SLAB ON GRADE SHALL BE 6" THICK W/ 6b- W2.1 X W2.1 WWF OVER 6" OF CRUSHED STONE.
5. REPAIR ALL CRACKS PRIOR TO APPLYING MEMBRANE.



SECTION S1

SCALE: 1/2" = 1'-0"



SECTION S2

SCALE: 1/2" = 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
48 SCHLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERDANGELO.COM

Copyright 2023 - All Rights Reserved by FULLER & D'ANGELO P.C.

SealPact 2023-10-10 12:12:04 EST
Click seal or scan QR Code for verification; otherwise not valid.

CHRISTOPHER A. RIBERDY — STATE OF NEW YORK — 108775 — LICENSED PROFESSIONAL ENGINEER
SEE SEAL PACT VERIFICATION
LICENCE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

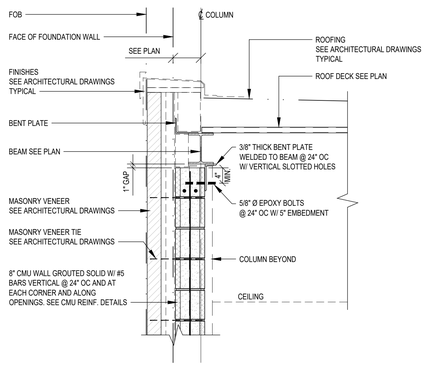
PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
ENTRY BRIDGES REPAIR PLANS AND DETAILS

PROJECT # 23041

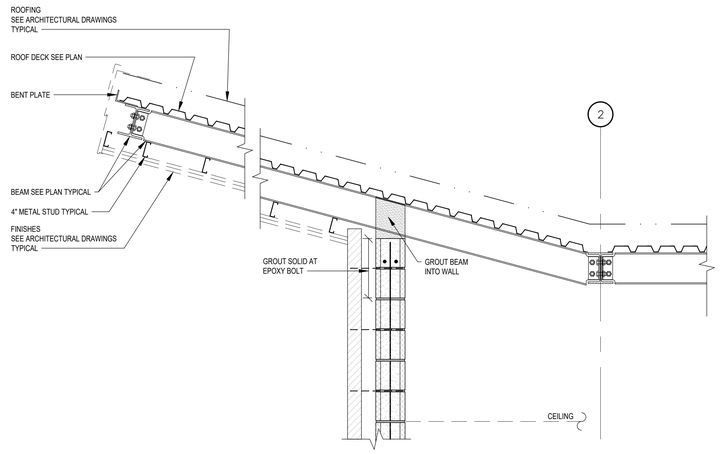
04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE: 30"x42"
DRAWING NO.: BHS S-102
SCALE: AS NOTED
DRAWN BY: F & D
FILE NO.: 23505.01



SECTION R1

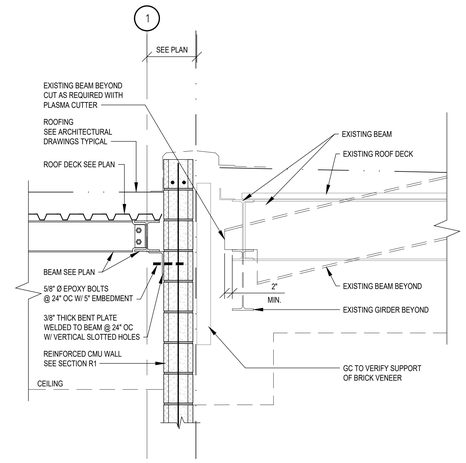
SCALE: 3/4" = 1'-0"



SECTION R2

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

SEE SECTION R1 FOR INFORMATION NOT SHOWN



SECTION R3

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

SEE SECTION R1 FOR INFORMATION NOT SHOWN

SECTION F1

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

SECTION F2

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

SEE SECTION F2 FOR INFORMATION NOT SHOWN

SECTION F3

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

SEE SECTION F2 FOR INFORMATION NOT SHOWN

SECTION F4

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

SECTION F5

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

SEE SECTION F4 FOR INFORMATION NOT SHOWN

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 SLAB HAUNCH DETAIL

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

NOTE: SLAB HAUNCH SHALL EXTEND AT LEAST 6 INCHES PAST CONCENTRATED LOAD

TYP. DET. @ UNDERGROUND MECH. LINES

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 PROPERTY OF F&D. ANY REPRODUCTION WITHOUT THE PRIOR CONSENT OF F&D IS PROHIBITED.

FULLER D'ANGELO P.C. ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
WWW.FULLERDANGELO.COM

Copyright 2023 © All Rights Reserved by FULLER & D'ANGELO P.C.

SealPact 2023-10-10 12:12:04 EST
Click seal or scan QR Code for verification; otherwise not valid.

STATE OF NEW YORK
CHRISTOPHER R. PISTRITTO
LICENSED PROFESSIONAL ENGINEER
SEALPACT VERIFICATION
LICENCE EXP. DATE: 03-31-2025

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD &
SCOREBOARD
50 FOGGINTOWN ROAD BREWSTER, NY 10509

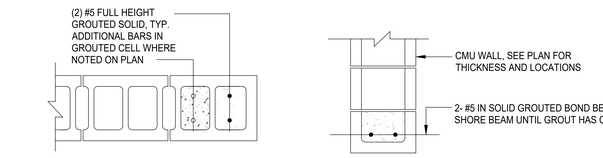
DRAWING TITLE
SECTIONS AND DETAILS

PROJECT # 23041

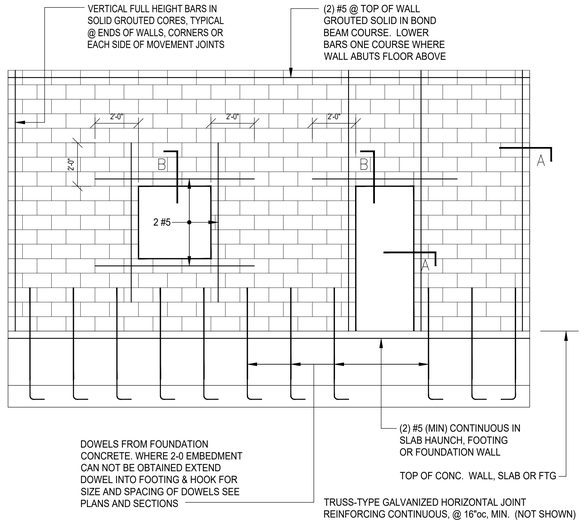
04-23-2024	BID
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE 30"x42"
DRAWING NO. BHS S-201
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 23505.01

RText (RText)

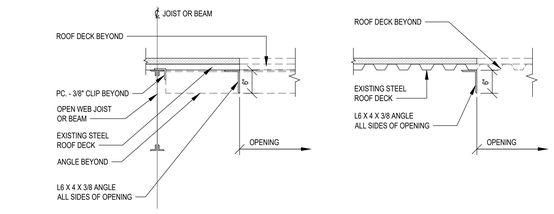


SECT. A SECT. B



TYPICAL CMU WALL REINFORCING

SCALE: NONE

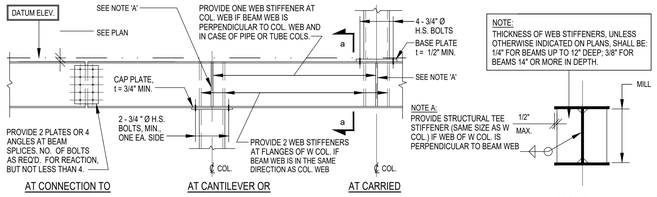


CURB PARALLEL TO JOIST OR BEAM CURB PERPENDICULAR TO JOIST OR BEAM

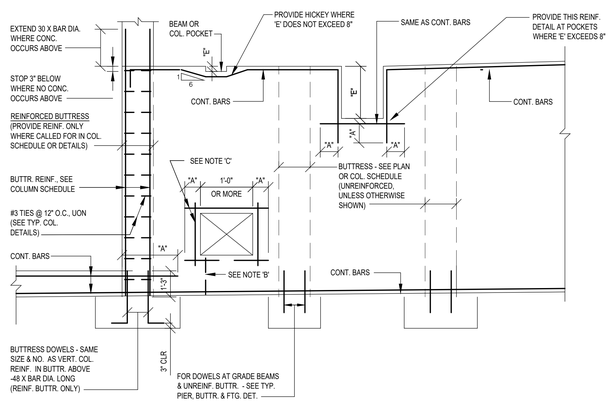
NOTE: FOR LOCATION OF FANS, OPENINGS AND DETAILS NOT SHOWN, SEE MECHANICAL AND ARCHITECTURAL DRAWINGS

TYPICAL ROOF OPENING DETAIL

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



TYPICAL DETAILS AT CANTILEVER & AT CARRIED COLUMNS

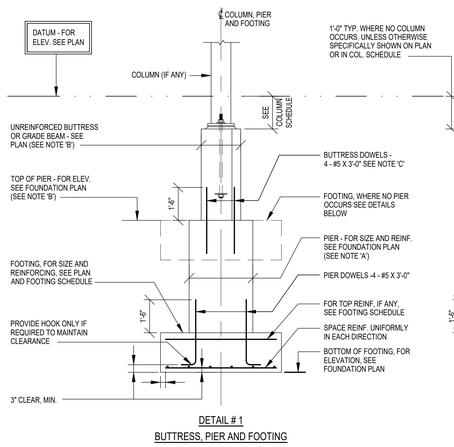


NOTE A: FOR DIMENSION 'A', SEE BAR DEVELOPMENT AND LAP SPLICE SCHEDULE

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

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 FURNISH, ERECT, ERECTOR 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
LIGHT GAGE STEEL

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.

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-1-96 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.

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.

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.

STEEL ROOF DECK

ROOF DECK SHALL BE 1 1/2" DEEP, 18 GAUGE MIN., 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 WITH 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 RENT PLATE AT SLAB EDGES AND CLOSURE PLATES FOR MECHANICAL OPENINGS UNLESS OTHERWISE NOTED.

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.

LIGHT GAGE STEEL

ALL MEMBERS AND CONNECTIONS SHALL BE DESIGNED BY THE MANUFACTURER'S ENGINEER, IN ACCORDANCE WITH LOCAL CODE LOAD REQUIREMENTS. PROVIDE SIGNED AND SEALED CALCULATIONS BY A NY LICENSED PROFESSIONAL ENGINEER.

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.

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.

REPAIR NOTES

REMOVAL, CLEANUP AND PROTECTION

THE CONTRACTOR SHALL KEEP THE WORK SITE FREE OF DEBRIS AND ACCUMULATION OF REFUSE. ALL SUCH MATERIAL SHALL BE DISPOSED OF, OFF SITE, IN A LAWFUL MANNER AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR SHALL PROTECT THE PREMISES, AND SHALL PROVIDE AND MAINTAIN ALL DEVICES AS REQUIRED TO PROTECT AREAS OF CONSTRUCTION. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL DAMAGES CAUSED BY IMPROPER PROTECTION AND SHALL MAKE ALL NECESSARY REPAIRS OR REPLACEMENT WITHOUT ADDITIONAL CHARGES TO THE PARTY AFFECTED.

THE CONTRACTOR SHALL MAINTAIN CONSTRUCTION PREMISES IN A NEAT CLEAN CONDITION AT THE END OF EACH WORKING DAY.

JUST PRIOR TO OWNER'S ACCEPTANCE OF THE WORK, THE CONTRACTOR SHALL CLEAN ALL SURFACES OF DUST, DEBRIS, LOOSE CONSTRUCTION MATERIAL AND EQUIPMENT AND LEAVE ALL AREAS BROOM CLEAN.

DEMOLITION

THE PREMISES SHALL BE ACCEPTED AS FOUND AT THE TIME OF STARTING WORK. ATTENTION IS DIRECTED TO THE STAGING AND ACCESS TO AREAS AFFECTED BY CONSTRUCTION TO BE COORDINATED AND SCHEDULED WITH THE OWNER.

ALL DEMOLISHED MATERIALS NOT CITED FOR REUSE OR TO BE RETAINED BY THE OWNER, SHALL BECOME THE CONTRACTOR'S PROPERTY AND SHALL BE REMOVED FROM THE PREMISES.

TEMPORARY SHORING, BRACING, FRAMING AND PROTECTION OF EXISTING WORK TO REMAIN SHALL BE PROVIDED BEFORE PROCEEDING WITH DEMOLITION.

DEMOLITION SHALL BE DONE CAREFULLY, UNDER EXPERIENCED SUPERVISION, TO AVOID DAMAGE TO ADJACENT STRUCTURAL ELEMENTS TO REMAIN. CONCRETE SHALL BE REMOVED IN SMALL SECTIONS AND WORKING PLATFORMS AND/OR TEMPORARY SHORING PROVIDED.

WORK SHALL BE DAMPENED TO MINIMIZE DUST. DEBRIS SHALL BE DAMPENED AND CARTED FROM THE PREMISES.

NO MATERIALS SHALL BE BURNED ON THE SITE.

REMOVAL OFF-SITE SHALL FOLLOW IMMEDIATELY THE ACTUAL DEMOLITION.

PROVIDE TEMPORARY SHORING AS REQUIRED. IF TEMPORARY SHORING IS REQUIRED PROVIDE SHORING AS FOLLOWS:

TEMPORARY SHORING SHALL BE DESIGNED TO SUPPORT THE STRUCTURE. DESIGN OF TEMPORARY SHORING SHALL BE THE RESPONSIBILITY OF A LICENSED PROFESSIONAL ENGINEER LICENSED IN NEW YORK STATE WITH EXPERIENCE IN WORK OF A SIMILAR TYPE AND MAGNITUDE ENGAGED BY THE CONTRACTOR.

SHORING DESIGN ENGINEER SHALL PREPARE PLANS, DETAILS AND SPECIFICATIONS FOR ERECTION OF SHORING AND SHALL FILE WITH THE BUILDING DEPARTMENT OF THE CITY.

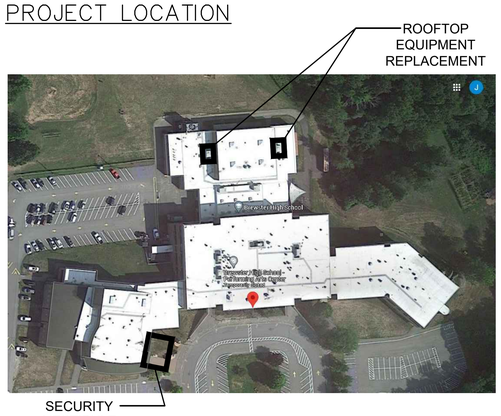
SHORING SHALL NOT BE REMOVED UNTIL ALL NEW FRAMING SHOWN ON THESE DRAWINGS HAS BEEN ERECTED, INSPECTED AND APPROVED.

PROFESSIONAL ENGINEER LICENSED IN NEW YORK STATE WIT

LEGEND

M, MD	MOTORIZED DAMPER
ARCH	ARCHITECT
UP	DUCT UP
DN	DUCT DOWN
FCU	FAN COIL UNIT
LD	LINEAR DIFFUSER
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
HP	HEAT PUMP
T	THERMOSTAT
ZS	ZONE SENSOR
DSD	DUCT SMOKE DETECTOR
CO2	CARBON DIOXIDE SENSOR
#X#	DUCT DIMENSIONS (CLEAN INSIDE DIM.)
RAG	RETURN AIR GRILLE
	NEW CONDENSATE PIPING
	NEW REFRIGERANT 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 DESCRIPTION

1. THE INTENT OF THIS PROJECT IS TO REPLACE EXISTING HVAC EQUIPMENT SERVING THE SCHOOL ALONG WITH PROVIDING NEW AIR SOURCE VRF SYSTEM(S) TO SERVE THE NEW SECURITY VESTIBULE ADDITION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING WORK:

ADDITION:
- PROVIDE NEW ROOF MOUNTED HEAT PUMP TO SERVE THE NEW DUCTED AND NON-DUCTED INDOOR VRF UNITS SERVING THE SECURITY-VESTIBULE ("NEW ADDITION").
- AIR AND WATER TESTING AND BALANCING.
- NEW WEB-BASED DDC HVAC CONTROLS 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.

EQUIP. REPLACEMENT:
- DEMO OF EXISTING EQUIPMENT AND DUCTWORK AS SHOWN.
- CLEAN EXISTING DUCTWORK TO BE RE-USED.
- RIGGING OF NEW EQUIPMENT ONTO ROOF.
- FURNISH AND INSTALL NEW HVAC EQUIPMENT ON ROOF.
- AIR AND WATER TESTING AND BALANCING.
- NEW WEB-BASED DDC HVAC CONTROLS 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.

2. 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.

3. CONTRACTOR SHALL ENGAGE A LICENSED DUCT CLEANING COMPANY TO PROFESSIONALLY CLEAN ALL EXISTING SUPPLY AND RETURN AIR DUCTWORK SERVING THE GYM, LOCKER ROOMS, AND ANCILLARY SPACES FED FROM THE (2) NEW RTUs, INCLUDING ALL AIR OUTLETS. PRICE SHALL INCLUDE ANY REQUIRED ACCESS DOORS NECESSARY TO PERFORM CLEANING. UPON COMPLETION OF THE WORK, PROVIDE A LETTER TO THE OWNER AND INCLUDE ALL ACCESS DOORS IN AS-BUILT DRAWINGS.

4. 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 (SHEET M-201) FOR ADDITIONAL INFORMATION.

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.

DRAWING SCHEDULE

DRAWING NUMBER	DRAWING DESCRIPTION
BHS M001	MECHANICAL NOTES AND LEGEND
BHS M002	MECHANICAL VENTILATION TABLE
BHS M101	NEW ADDITION KEYPLANS AND PARTIAL FIRST FLOOR AND ROOF MECHANICAL PLANS
BHS M102	EQUIPMENT REPLACEMENT KEYPLANS AND FIRST FLOOR MECHANICAL PLANS (NEW WORK AND DEMO)
BHS M103	ROOF MECHANICAL PLANS (NEW WORK AND DEMO)
BHS M200	MECHANICAL DETAILS
BHS M201	MECHANICAL DETAILS
BHS M202	MECHANICAL DETAILS
BHS M203	MECHANICAL CONTROLS DIAGRAM
BHS M300	MECHANICAL SCHEDULES

GENERAL DEMOLITION 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.

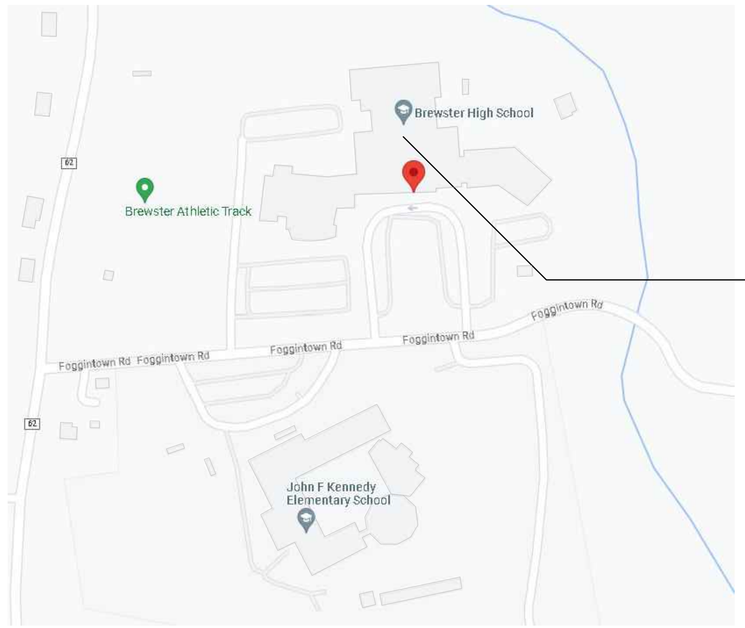
12. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND JOB CONDITIONS PRIOR TO SUBMITTING BIDS AND SHALL REPORT TO THE OWNER'S REPRESENTATIVE ANY DISCREPANCIES OR OMISSIONS WHICH WOULD INTERFERE WITH SATISFACTORY COMPLETION OF WORK. ALL BUILDING DEPARTMENT PERMITS SHALL BE OBTAINED PRIOR TO COMMENCEMENT OF ANY 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.

14. CONTRACTOR SHALL REMOVE ALL UNUSED EQUIP. HOUSEKEEPING PADS.

BREWSTER HIGH SCHOOL

50 FOGGINTOWN 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						

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
48 SCHOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.1444 FAX. 914.592.1717
WWW.FULLERDANGELO.COM
PROJECT NO. 2023 ARCHITECTURE\23113MEP.PJC

LFG LANDMARK FACILITIES GROUP, INC.
252 East Avenue
Norwalk, CT 06855
(203) 866-8000 tel
(203) 866-8019 fax

LICENCE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
MECHANICAL NOTES & LEGEND

DATE	ISSUED TO
04-23-2024	BID
10-02-2023	S.E.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: BHS M001
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO.: 23505.01

PLOT DATE: April 17, 2024 - 2:57pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\Brewster HS\PACKAGE 1 - Security Vestibule\ACAD\Mechanical\BREW HS SECURE_M-001_M-002.dwg

LOCKER ROOMS VENTILATION AIR REQUIREMENTS

Project: BREWSTER HIGH 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
Zone 3	BOY'S LOCKER RM	Locker/dressing rooms	0	- (2175 SF)	0.25 CFM/SF	0.8	653	655	3
	J.C.	Toilet rooms - public (continuous fan)	0	- (50 SF)	50 CFM EXHAUST AIR	0.8	50	50	3
	STORAGE 045	Storage rooms	0	- (130 SF)	- CFM/PERSON 0.12 CFM/SF	0.8	20	20	3
	OFFICE	Office spaces	5	1 (170 SF)	5 CFM/PERSON 0.06 CFM/SF	0.8	19	20	3
	B.T.	Toilet rooms - public (continuous fan)	0	- (80 SF)	50 CFM EXHAUST AIR	0.8	50	50	3
	BOY'S COACH OFFICE	Office spaces	5	2 (205 SF)	5 CFM/PERSON 0.06 CFM/SF	0.8	28	30	3
	STORAGE 059	Storage rooms	0	- (285 SF)	- CFM/PERSON 0.12 CFM/SF	0.8	43	45	3
	GIRL'S TOILET	Toilet rooms - public (continuous fan)	0	- (155 SF)	100 CFM EXHAUST AIR	0.8	100	100	3
	BOY'S TOILET	Toilet rooms - public (continuous fan)	0	- (200 SF)	100 CFM EXHAUST AIR	0.8	100	100	3
	LOBBY/CORR.	Corridors	0	- (1220 SF)	- CFM/PERSON 0.06 CFM/SF	0.8	92	95	3
	GYM	Gym, stadium, arena (play area)	7	28 (3870 SF)	20 CFM/PERSON 0.18 CFM/SF	0.8	1571	1575	3
	CALCULATED OUTSIDE/MAKEUP AIR FOR SYSTEM TOTAL						2724	2740	
Zone 4	GIRL'S LOCKER RM	Locker/dressing rooms	0	- (1630 SF)	0.25 CFM/SF	0.8	489	490	3
	J.C.	Toilet rooms - public (continuous fan)	0	- (45 SF)	50 CFM EXHAUST AIR	0.8	50	50	3
	STORAGE 044	Storage rooms	0	- (130 SF)	- CFM/PERSON 0.12 CFM/SF	0.8	20	20	3
	OFFICE	Office spaces	5	1 (165 SF)	5 CFM/PERSON 0.06 CFM/SF	0.8	19	20	3
	B.T.	Toilet rooms - public (continuous fan)	0	- (80 SF)	50 CFM EXHAUST AIR	0.8	50	50	3
	GIRL'S COACH OFFICE	Office spaces	5	2 (205 SF)	5 CFM/PERSON 0.06 CFM/SF	0.8	28	30	3
	STORAGE 032A	Storage rooms	0	- (160 SF)	- CFM/PERSON 0.12 CFM/SF	0.8	24	25	3
	TOILET	Toilet rooms - public (continuous fan)	0	- (80 SF)	100 CFM EXHAUST AIR	0.8	100	100	3
	LOBBY/CORR.	Corridors	0	- (1090 SF)	- CFM/PERSON 0.06 CFM/SF	0.8	82	85	3
	GYM	Gym, stadium, arena (play area)	7	28 (3870 SF)	20 CFM/PERSON 0.18 CFM/SF	0.8	1571	1575	3
	CALCULATED OUTSIDE/MAKEUP AIR FOR SYSTEM TOTAL						2432	2445	

REMARKS:

1. OUTSIDE AIR TO BE PROVIDED VIA CEILING CASSETTE EQUIPMENT.
2. OUTSIDE AIR TO BE PROVIDED VIA OPENING DOOR(S).
3. OUTSIDE AIR TO BE PROVIDED VIA RTU.

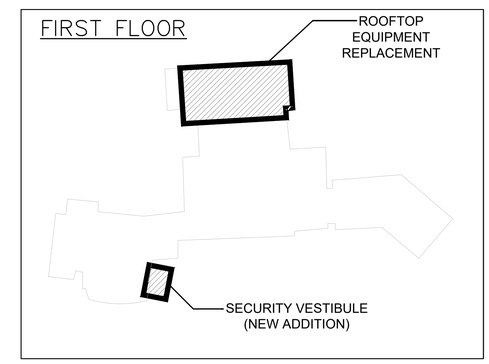
SECURITY AND VESTIBULE VENTILATION AIR REQUIREMENTS

Project: BREWSTER HIGH 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
Zone 1	SECURITY OFFICE	Office spaces	5	2 (240 SF)	5 CFM/PERSON 0.06 CFM/SF	0.8	31	35	1
	CALCULATED OUTSIDE/MAKEUP AIR FOR SYSTEM TOTAL						31	35	
Zone 2	VISITOR'S VESTIBULE	Lobbies/prefunction	30	3 (75 SF)	7.5 CFM/PERSON 0.06 CFM/SF	0.8	34	35	2
	VESTIBULE	Lobbies/prefunction	30	5 (135 SF)	7.5 CFM/PERSON 0.06 CFM/SF	0.8	57	60	2
	CALCULATED OUTSIDE/MAKEUP AIR FOR SYSTEM TOTAL						91	95	

REMARKS:

1. OUTSIDE AIR TO BE PROVIDED VIA INLINE CEILING INTAKE FAN.
2. OUTSIDE AIR TO BE PROVIDED VIA OPENING DOOR(S).
3. OUTSIDE AIR TO BE PROVIDED VIA RTU.



CAMPUS KEYPLAN
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.

FULLER D'ANGELO P.C. ARCHITECTS PLANNERS
48 SCHOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.4444 FAX. 914.592.1717
WWW.FULLERDANGELO.COM
LFG LANDMARK FACILITIES GROUP, INC.
252 East Avenue Norwalk, CT 06855
(203) 866-6615 Phone (203) 866-8019 Fax

LICENCE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
67 FOGGINTOWN ROAD BREWSTER, NY 10509

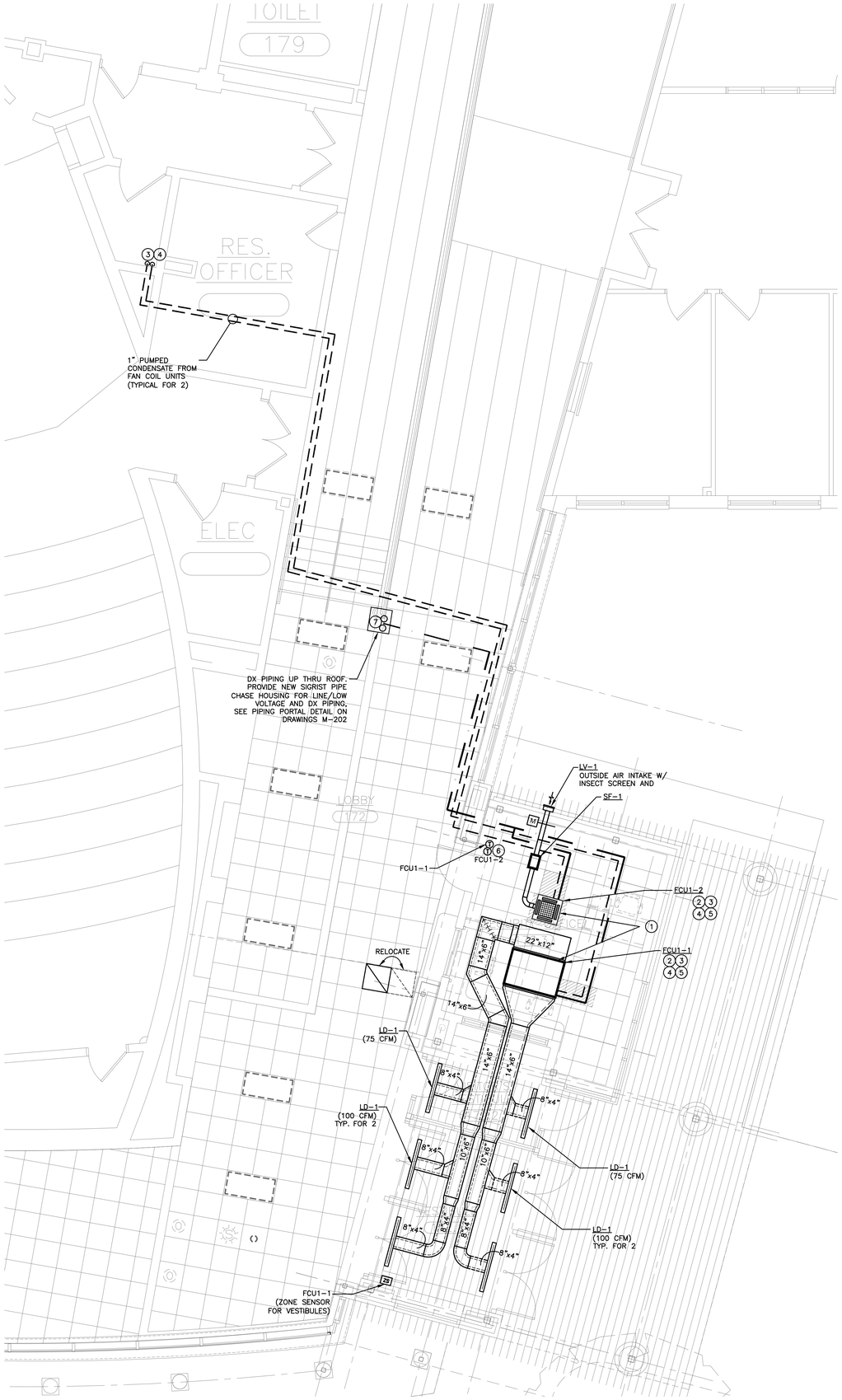
DRAWING TITLE
NEW ADDITION
MECHANICAL ZONING PLAN
AND VENTILATION TABLE

DATE	ISSUED TO
04-23-2024	BID
10-02-2023	S.E.D. SUBMISSION

SHEET SIZE 30"x42" | DRAWING NO. BHS M002
SCALE AS NOTED | FILE NO. 23505.01
DRAWN BY LFG

PLOT DATE: April 17, 2024 - 10:35am

FILE: N:\Brewster Central Schools\2023 Capital Projects\Brewster HS\PACKAGE 1 - Security Vestibule\ACAD\Mechanical\BREW HS SECURE_M-001_M-002.dwg



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

MECHANICAL GENERAL NOTES:

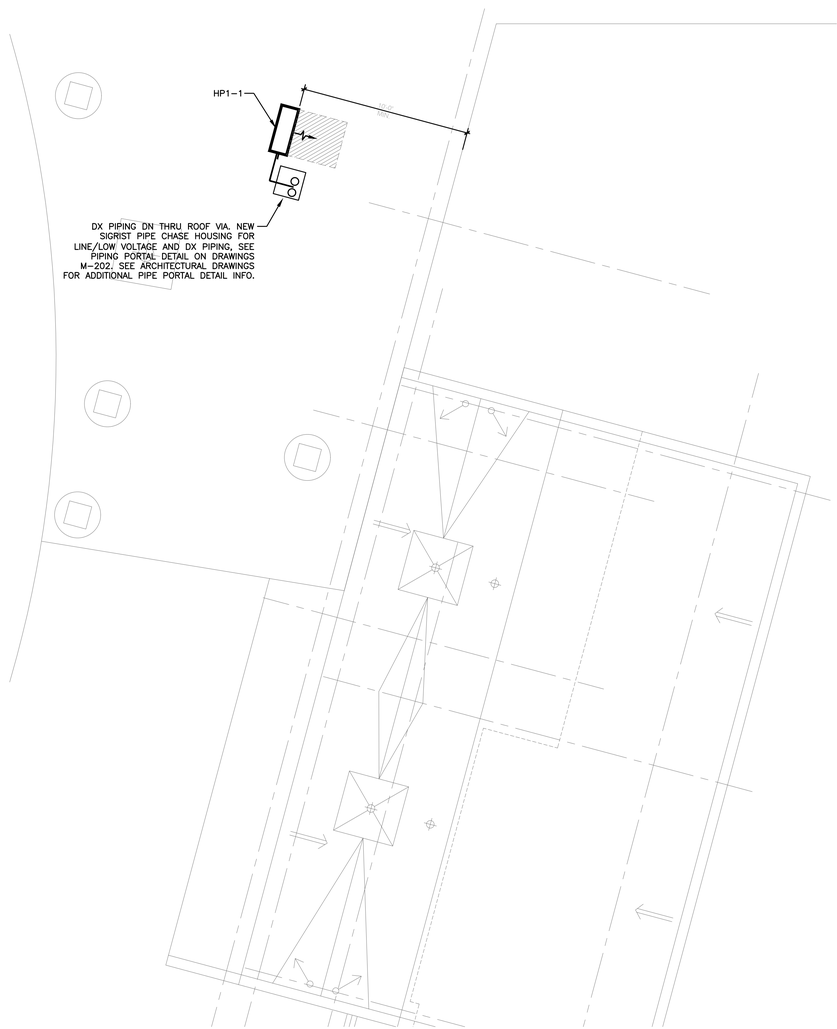
1. PROVIDE NECESSARY LOW VOLTAGE WIRING, POWER SUPPLIES TO CONTROLLER, AND TRANSFORMERS TO SUPPLY POWER TO THE REMOTE SENSORS AS REQUIRED BY MANUFACTURER.
2. PROVIDE NECESSARY ACCESS & CLEARANCES AROUND ALL EQUIPMENT ACCORDING TO MANUFACTURER'S RECOMMENDATION, SEE MECHANICAL DETAIL DRAWINGS (M-200'S) FOR ADDITIONAL INFO.
3. ALL DUCTWORK PENETRATING FIRE PARTITIONS THAT ARE 1-HOUR RATED, OR GREATER, 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 TRUNK DUCT TAPS TO BRANCH DUCTS SHALL HAVE MANUAL VOLUME DAMPERS.
5. ALL DUCTWORK & PIPING SHALL BE INSTALLED TIGHT TO STRUCTURE UNLESS OTHERWISE NOTED.
6. ALL CONCEALED NEW DUCTWORK SHALL BE PROVIDED W/ FIBERGLASS INSULATION WRAP (R-6 OR EQUAL).
7. ALL DUCT DIMENSIONS ARE INSIDE CLEAR DIMENSIONS.
8. 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.
9. ALL 90° MITER EDGE ELBOWS IN DUCTS SHALL HAVE TURNING VANES.
10. 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.
11. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIALS, AND LABOR TO SATISFY COMPLETE WORKING MECHANICAL SYSTEM WHETHER SPECIFIED OR IMPLIED.
12. VERIFY EXACT LOCATION OF ALL EQUIPMENT IN FIELD AND COORDINATE WITH ALL TRADES.
13. COORDINATE ALL PIPING WITH EXISTING STRUCTURAL CONDITIONS AS NEEDED FOR PROPER INSTALLATION.
14. CONTRACTOR SHALL FURNISH AND INSTALL BRAZED COPPER REFRIGERANT PIPING AS INDICATED ON M101 SHEET, INCLUDING PIPING INTERCONNECTS BETWEEN OUTDOOR CONDENSER, 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 M201 SHEET.
15. ALL PIPING PENETRATIONS AT FIRE RATED PARTITIONS SHALL BE FIRE STOPPED.
16. 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.
17. FURNISH AND INSTALL NEW 1" COPPER CONDENSATE PIPING AS SHOWN, UNLESS OTHERWISE NOTED, GRAVITY PITCHED TO SANITARY CONNECTION AS LOCATED ON THE PLANS. PROVIDE PIPING FROM CONDENSATE PUMP DISCHARGE (NOT SHOWN ON PLANS) OF ALL HP/FCU's TO SANITARY CONNECTION.

MECHANICAL NEW WORK KEY NOTES:

1. MOUNT CLG. CASSETTE UNIT (CCU) AND FAN COIL UNIT (FCU) 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. ASSOCIATED CONDENSATE PUMP SHALL BE INSTALLED IN CLOSE PROXIMITY TO THE UNITS IT SERVES (SEE M-300 FOR ADDITIONAL INFORMATION).
2. 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.
3. PITCH CONDENSATE 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.
4. 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.
5. REFRIGERATION PIPING JOINTS/HEADER LOCATED IN CEILING CAVITY; HP-1 UNIT TO BE CONNECTED TO EACH FCU 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-201 FOR ADDITIONAL INFO.
6. INSTALL AND MOUNT THERMOSTAT AT 4 FT AFF, UON.
7. REFRIGERATION PIPING SHALL BE ROUTED THROUGH THE ROOF AS NEEDED FOR PROPER CONNECTION TO FCU UNIT.
8. RUN CONDENSATE FROM NEW HP/RTU TO NEAREST ROOF DRAIN AND CONNECT VIA INDIRECT CONNECTION.
9. INSTALL NEW HP/RTU PER MANUFACTURER'S RECOMMENDATIONS AND MAINTAIN CODE REQUIRED CLEARANCE FOR SERVICING THE UNIT. INSTALLATION WILL REQUIRE RECONNECTION TO EXISTING SUPPLY AND RETURN DUCTWORK BELOW.

GENERAL VENTILATION NOTE:

1. VENTILATION REQUIREMENTS FOR SECURITY OFFICE SHALL BE SATISFIED VIA CODE REQUIRED AMOUNT OF O.A. (SEE DRAWING M002) DUCTED DIRECTLY TO THE SPACE THROUGH HP-1.
2. VENTILATION REQUIREMENTS FOR VESTIBULE'S SHALL BE SATISFIED VIA OPERABLE EXTERIOR DOORS IN EACH SPACE.



2 PARTIAL ROOF MECHANICAL 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
48 SCHOLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX. 914.592.1717
WWW.FULLERDANGELO.COM
Copyright 2021 All Rights Reserved FULLERDANGELO.PC

LFG LANDSCAPE FACILITIES GROUP, INC.
252 East Avenue
Norwalk, CT 06855
(203) 866-6644
(203) 866-8019 Fax

LICENCE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

CAMPUS FIRST FLOOR KEYPLAN

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
52 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
NEW ADDITION
KEY PLAN AND PARTIAL FIRST FLOOR AND ROOF MECHANICAL PLANS

DATE	ISSUED TO
04-23-2024	BID
10-02-2023	S.E.D. SUBMISSION

SHEET SIZE: 30"x42"	DRAWING NO.: BHS M101
SCALE: AS NOTED	
DRAWN BY: LFG	FILE NO.: 23505.01

PLOT DATE: April 17, 2024 - 12:25pm

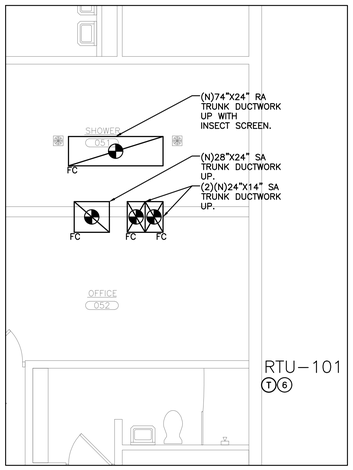
FILE: N:\Brewster Central Schools\2023 Capital Projects\Brewster HS\PACKAGE 1 - Security Vestibule\ACAD\Mechanical\BREW HS SECURE_M-101.dwg

MECHANICAL DEMO KEY NOTES:

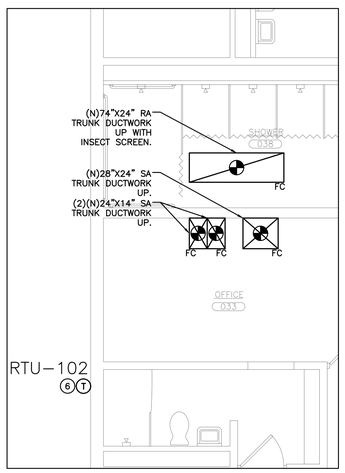
1. DISCONNECT AND REMOVE EXISTING WALL MOUNTED THERMOSTATS.
2. DISCONNECT, REMOVE, AND PRESERVE ALL SUPPLY AND RETURN AIR DUCTWORK, FOR PROPER INSTALLATION AND CONNECTION TO NEW RTU.
3. DISCONNECT AND REMOVE (E) ROOF MOUNTED EXHAUST FAN, SERVING GYM, IN ITS ENTIRETY. SEE ARCH. DRAWINGS FOR ROOF PATCH WORK DETAILS.
4. DISCONNECT AND REMOVE (E) ROOF MOUNTED AIR HANDLER (20 TONS), TRANE MODEL: WPUE2404DC000A0120, SERVING LOCKER RM., PRESERVE ASSOCIATED PIPING AND CONTROLS FOR RE-USE.

MECHANICAL GENERAL ROOF NOTES:

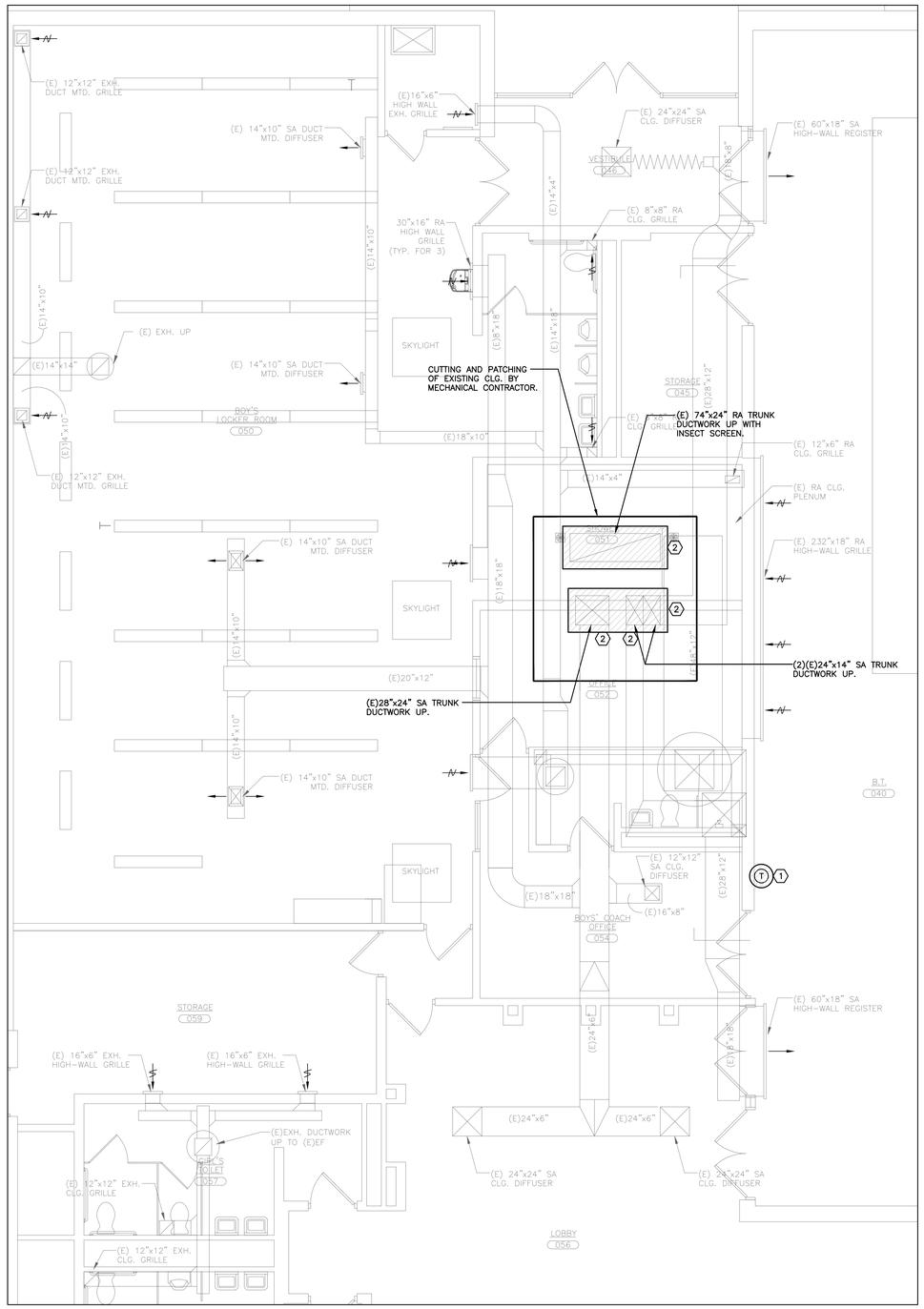
1. REFER TO WRITTEN (BOOK) SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. MAINTAIN MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES TO ALL EQUIPMENT ON ROOF. DO NOT OBSTRUCT CLEARANCE WITH DUCTWORK OR OTHER OBJECTS.
3. ROOF PENETRATIONS FOR CW PIPING, GAS PIPING, ELECTRICAL POWER AND CONTROL WIRING SHALL BE MADE USING 'SIGNIST PIPE CHASE HOUSINGS' AS MANUFACTURED BY ALTA PRODUCTS. PROVIDE SUBMITTAL FOR ENGINEERING REVIEW WITH HOUSING CONFIGURED FOR EACH INDIVIDUAL ROOF PENETRATION. SEE PIPE PORTAL DETAIL ON DRAWING M202 FOR ADDITIONAL INFORMATION. COORD. INSTALLATION W/ G.C.
4. EXISTING PVC ROOF IS UNDER WARRANTY AND ALL NEW WORK SHALL MAINTAIN THIS WARRANTY. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFO.



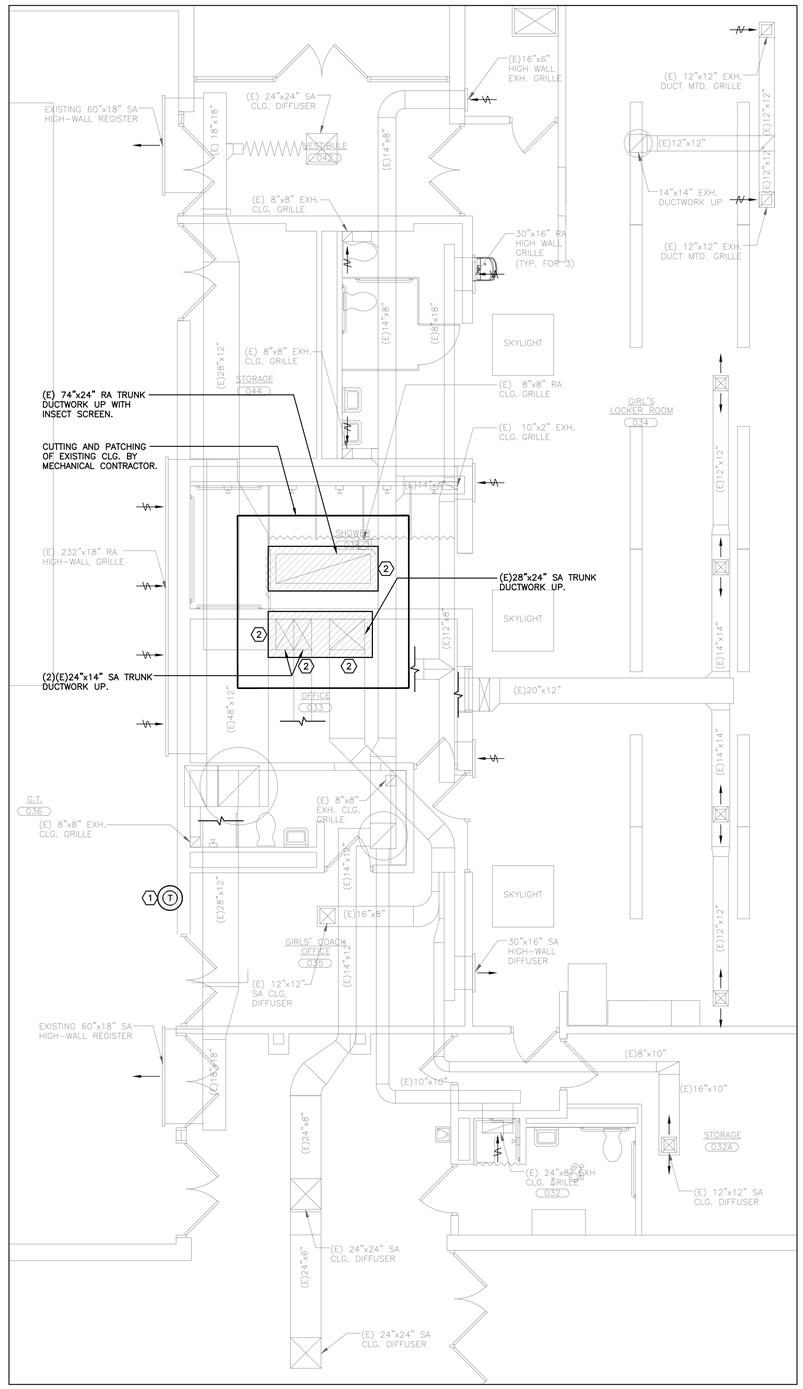
1 PARTIAL MECHANICAL PLAN - BOYS LOCKER
SCALE: 1/4" = 1'-0"



2 PARTIAL MECHANICAL PLAN - GIRLS LOCKER
SCALE: 1/4" = 1'-0"



3 PARTIAL BASEMENT MECHANICAL DEMO PLAN - BOYS LOCKER
SCALE: 1/4" = 1'-0"



4 PARTIAL BASEMENT MECHANICAL DEMO PLAN - GIRLS LOCKER
SCALE: 1/4" = 1'-0"

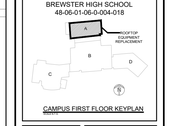
AS PER USA CONGRESS ARCHITECTURAL WORKS COPYRIGHT PROTECTION ACT OF 1990 ALL IDEAS AND DESIGNS INCLUDING DERIVATIVES THEREOF, ALL DRAWINGS AND SPECIFICATIONS CONSTITUTE THE ORIGINAL COPYRIGHT WORK BY FULLER AND D'ANGELO, P.C. (F&D). THE DRAWINGS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE BY F&D ARE 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
48 SCHOLLARD ROAD ELMSFORD NEW YORK 10523
TEL: 914.592.4444 FAX: 914.592.1717
WWW.FULLERDANGELO.COM
Project 20-Architects/Civil/Landscape/LLC

LFG LANDAUER FACILITIES GROUP, INC.
252 East Avenue
Norwalk, CT 06855
Direct: (203) 866-1414
(203) 866-8019 Fax

LICENCE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018



CAMPUS FIRST FLOOR KEYPLAN

PROJECT TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

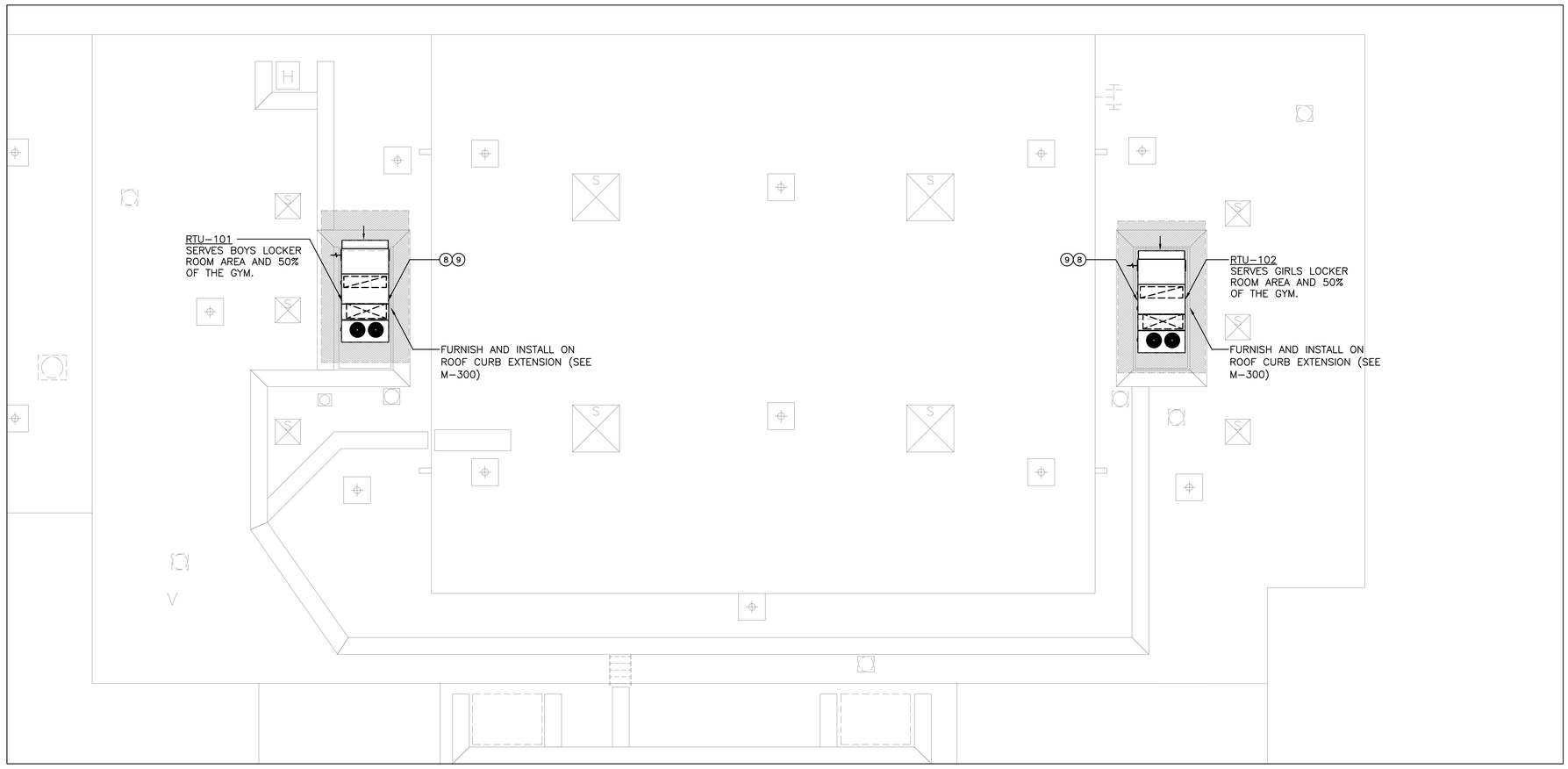
DRAWING TITLE:
EQUIPMENT REPLACEMENT
FIRST FLOOR AND BASEMENT FLOOR AND ROOF MECHANICAL PLANS

DATE	ISSUED TO
04-23-2024	BID
10-02-2023	S.E.D. SUBMISSION

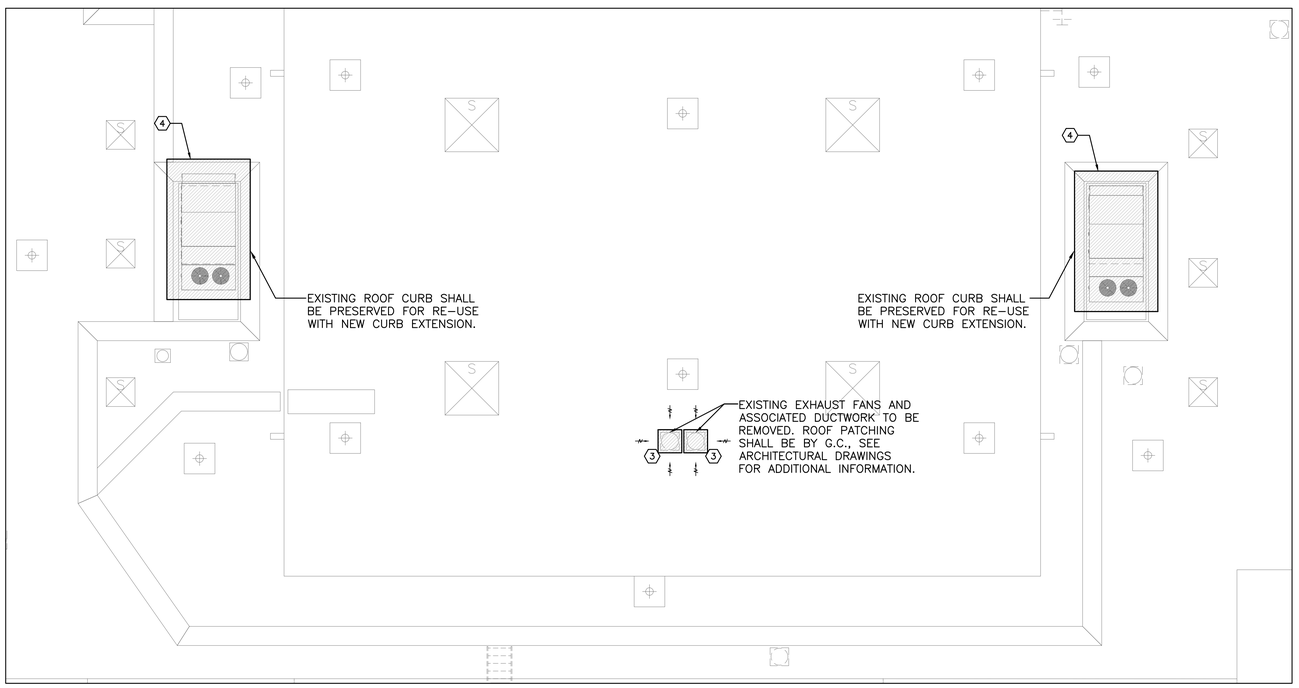
SHEET SIZE	DRAWING NO.
30"x42"	BHS M102
SCALE: AS NOTED	
DRAWN BY: LFG	FILE NO.: 23505.01

PLOT DATE: April 17, 2024 - 3:05pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\Brewster HS\PACKAGE 1 - Security Vestibule\ACAD\Mechanical\BREW HS SECURE_M-102_M-103.dwg



1 ROOF MECHANICAL PLAN
SCALE: 1/4" = 1'-0"



2 ROOF MECHANICAL DEMO PLAN
SCALE: 1/4" = 1'-0"

GENERAL VENTILATION NOTE:

1. VENTILATION REQUIREMENTS FOR LOCKER ROOM AREAS AND GYM SHALL BE SATISFIED VIA CODE REQUIRED AMOUNT OF O.A. (SEE DRAWING M002) DUCTED DIRECTLY TO THE SPACE VIA EXISTING DUCTWORK.

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
48 SCHLUMBERGER ROAD ELMSFORD NEW YORK 10523
TEL: 914.592.4444 FAX: 914.592.1717
WWW.FULLERDANGELO.COM
LFG
LANDMARK FACILITIES GROUP, INC.
252 East Avenue
Norwalk, CT 06855
(203) 866-6644 Tel
(203) 866-8019 Fax

LICENCE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

CAMPUS FIRST FLOOR KEYPLAN

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
BASEMENT
MECHANICAL DEMO PLAN - C

DATE	ISSUED TO
04-23-2024	BID
10-02-2023	S.E.D. SUBMISSION

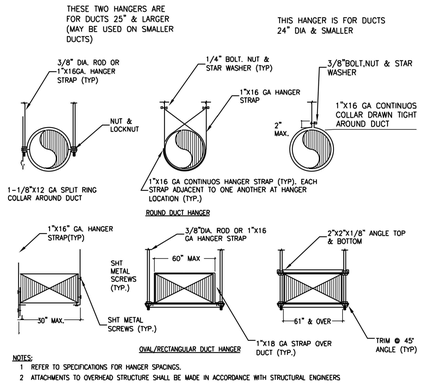
SHEET SIZE: 30"x42"	DRAWING NO.: BHS M103
SCALE: AS NOTED	
DRAWN BY: LFG	FILE NO.: 23505.01

PLOT DATE: April 17, 2024 - 3:00pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\Brewster HS\PACKAGE 1 - Security Vestibule\ACAD\Mechanical\BREW HS SECURE_M-102_M-103.dwg

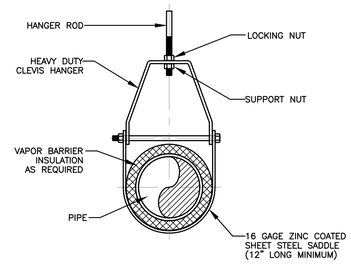
MINIMUM HANGER SIZES FOR ROUND DUCT (SMACNA)				
DIA. (IN)	MAXIMUM SPACING	WIRE DIA.	ROD	STRAP
6-10	12'	ONE 12 GA.	1/4"	1" X 22 GA.
11-18	12'	TWO 12 GA. OR ONE 8 GA.	1/4"	1" X 22 GA.
19-24	12'	TWO 10 GA.	1/4"	1" X 22 GA.

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



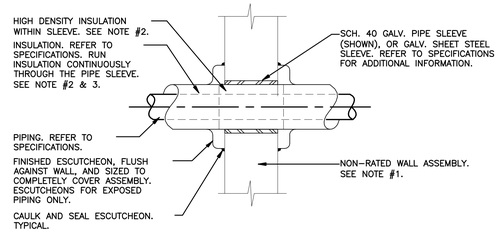
NOTES:
1 REFER TO SPECIFICATIONS FOR HANGER SPACINGS.
2 ATTACHMENTS TO OVERHEAD STRUCTURE SHALL BE MADE IN ACCORDANCE WITH STRUCTURAL ENGINEERS

DUCT SUPPORT DETAIL
NO SCALE



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

DUCT CONSTRUCTION MINIMUM SHEET METAL THICKNESSES

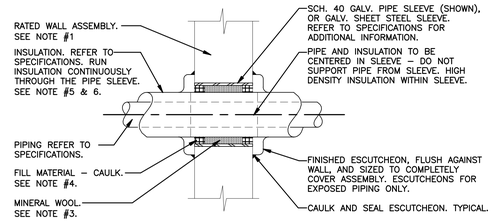
RECTANGULAR DUCTS

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)	LONGITUDINAL 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



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

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
48 SCHOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL: 914.592.2444 FAX: 914.592.1717
WWW.FULLERDANGELO.COM
LFG LANDMARK FACILITIES GROUP, INC.
252 East Avenue Norwalk, CT 06855 (203) 866-8000 Tel (203) 866-8019 Fax

LICENCE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 TOGGINTOWN ROAD BREWSTER, NY 10509

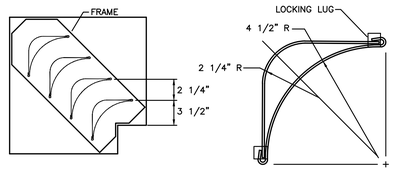
DRAWING TITLE
MECHANICAL DETAILS

DATE	ISSUED TO
04-23-2024	BID
10-02-2023	S.E.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: BHS M200
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO.: 23505.01

PLOT DATE: April 17, 2024 - 9:53am

FILE: N:\Brewster Central Schools\2023 Capital Projects\Brewster HS\PACKAGE 1 - Security Vestibule\ACAD\Mechanical\BREW HS SECURE_M-200.dwg

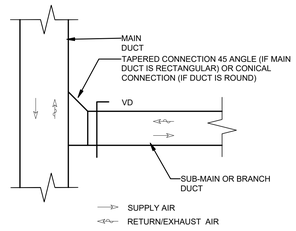


VANED ELBOW

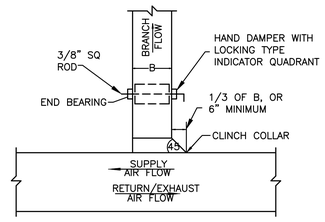
TURNING VANE

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



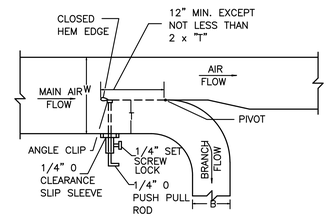
BRANCH TAKE–OFF DUCTWORK DETAIL
NO SCALE



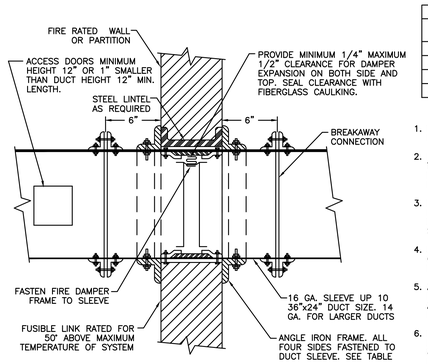
NOTES:
1. FURNISH THIS TYPE CONNECTION WHEN SUPPLY AIR FLOW IS LESS THAN 700 CFM
2. FURNISH THIS TYPE CONNECTION FOR ALL RETURN BRANCH CONNECTIONS

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")



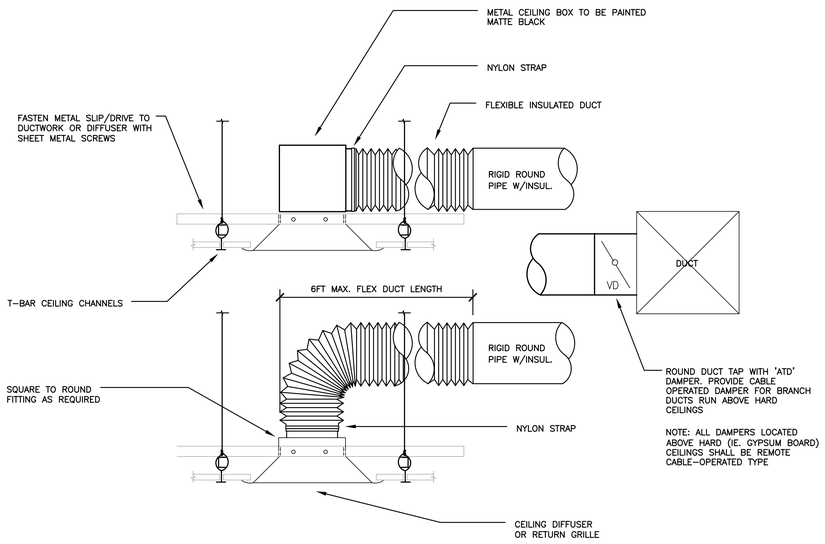
SUPPLY DUCT BRANCH WITH THROAT & SPLITTER DAMPER
NO SCALE



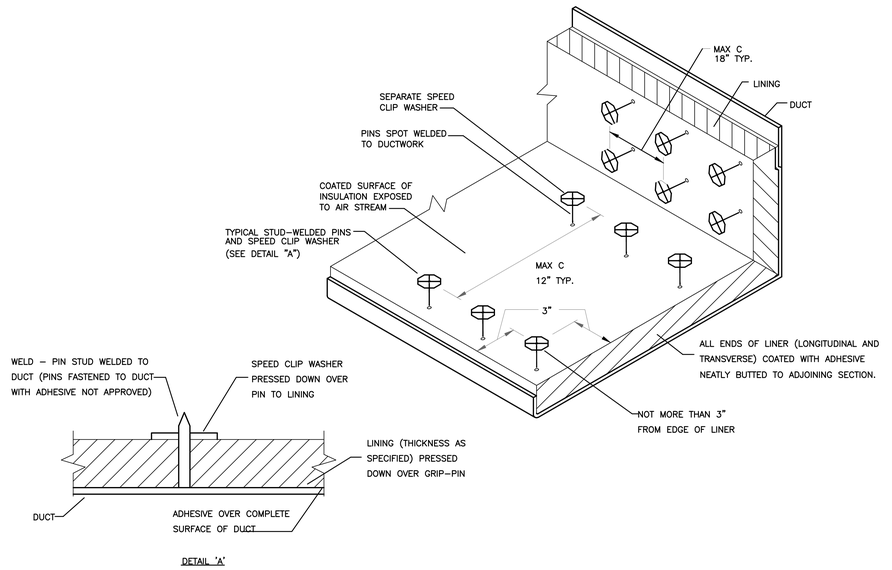
ANGLE IRON TABLE	
WALL OPENING	ANGLE SIZE
UP TO 30"	1"x1"x1/8"
31" TO 54"	1 1/2"x1 1/2"x1/8"
55" TO 84"	3"x2"x3/16"
85" TO 120"	3"x2"x3/16"

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



BRANCH DUCT DETAIL
NOT TO SCALE



DETAIL 'A'

SOUND LINING INSTALLATION DETAIL
NO SCALE

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
48 SCHLUMDD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX. 914.592.1717
WWW.FULLERDANGELO.COM
Copyright 2023 All Rights Reserved FULLER DANGELO P.C.

LFG
LANDSCAPE FACILITIES GROUP, INC.
252 East Avenue
Norwalk, CT 06855
(203) 866-8015
(203) 866-8019 Fax

LICENCE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
67 FOGGINTOWN ROAD BREWSTER, NY 10509

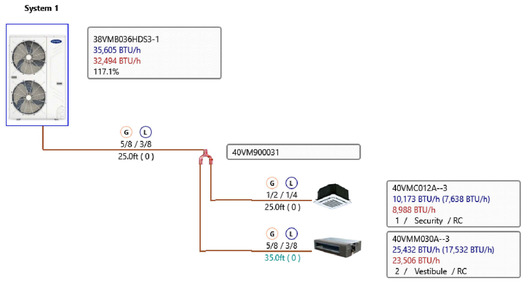
DRAWING TITLE
MECHANICAL DETAILS

DATE	ISSUED TO
04-23-2024	BID
10-02-2023	S.E.D. SUBMISSION

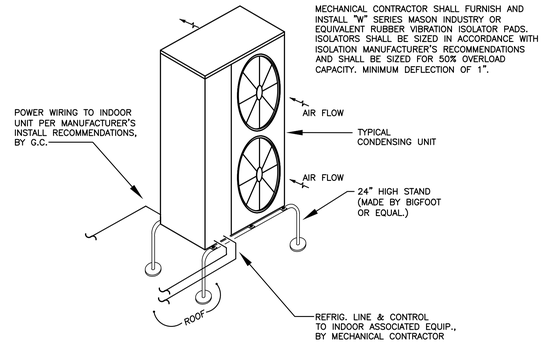
SHEET SIZE: 30"x42"
DRAWING NO.: BHS M201
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO.: 23505.01

PLOT DATE: April 17, 2024 – 2:59pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\Brewster HS\PACKAGE 1 – Security Vestibule\ACAD\Mechanical\BREW HS SECURE_M–200.dwg

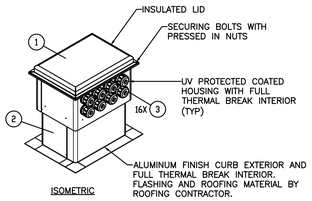


VRF SYSTEM PIPING DIAGRAM
NO SCALE



NOTES:
1. THE MECHANICAL CONTRACTOR SHALL SIZE ALL REFRIGERANT (I.E. SUCTION, LIQUID, HOT-GAS, ETC...) LINES IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS. INSULATE AND JACKET ALL PIPING. REFER TO SPECS FOR ADDITIONAL INFO.
2. RUN PIPING EXPOSED ALONG THE ROOF ON SUPPORTS. WHERE POSSIBLE, COORDINATE SUPPORT LOCATIONS TO COINCIDE WITH THE ROOF STRUCTURAL STEEL (I.E. BEAMS/JOISTS) AND AS INDICATED. LOCATE SUPPORTS AT MAXIMUM OF 7'-0" O.C.
3. ROUTE REFRIG. LINES & CONDUIT THRU A 12" HIGH, INSULATED, PRE-FAB ROOF CURB W/ PIPE PENETRATION SYSTEM, SIGRIST MODEL. COORDINATE W/ ROOFING CONTRACTOR.
4. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT ROOF CONSTRUCTION AND ADDITIONAL INFORMATION.

ROOF MOUNTED AIR COOLED HEAT-PUMP UNIT DETAIL
NO SCALE

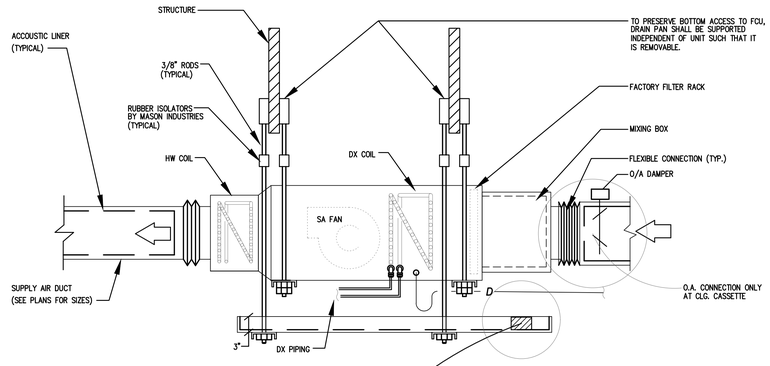


ISOMETRIC

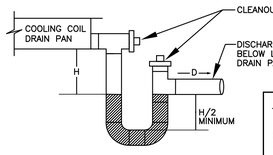
NOTE:
SIGRIST TUBING CHASE HOUSING BY ALTA. VERIFY CURB OPENING SIZE WITH MANUFACTURER. SEE ROOFTOP PLAN FOR LOCATION AND FURTHER INFORMATION.

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



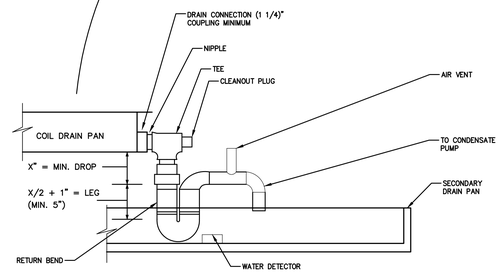
FAN COIL UNIT DETAIL
NOT TO SCALE



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

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
48 SCHOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.4444 FAX 914.592.1717
WWW.FULLERDANGELO.COM

LFG
LANDMARK FACILITIES GROUP, INC.
252 East Avenue
Norwalk, CT 06855
(203) 866-8014
(203) 866-8019 Fax

LICENCE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

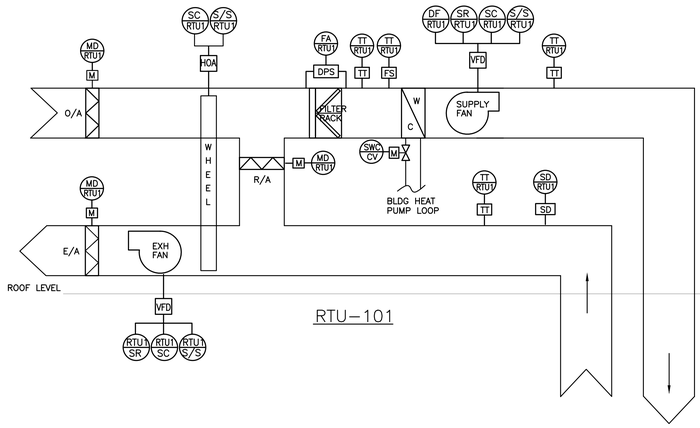
DRAWING TITLE
MECHANICAL DETAILS

DATE	ISSUED TO
04-23-2024	BID
10-02-2023	S.E.D. SUBMISSION

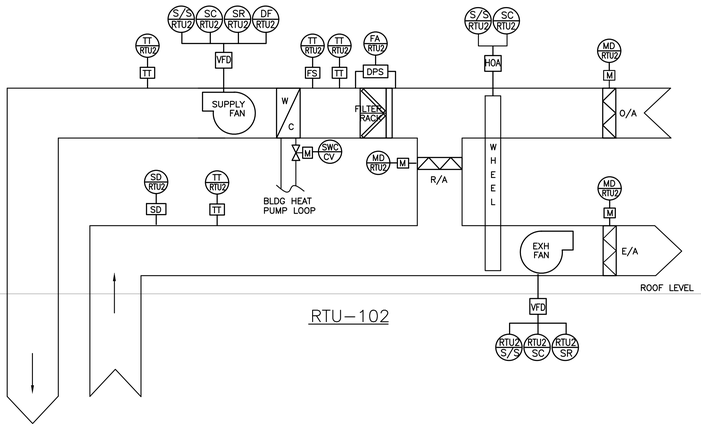
SHEET SIZE: 30"x42"
DRAWING NO.: BHS M202
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO.: 23505.01

PLOT DATE: April 17, 2024 - 10:00am

FILE: N:\Brewster Central Schools\2023 Capital Projects\Brewster HS\PACKAGE 1 - Security Vestibule\ACAD\Mechanical\BREW HS SECURE_M-200.dwg

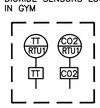


RTU–101

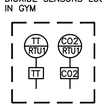


RTU–102

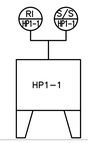
TEMPERATURE AND CARBON DIOXIDE SENSORS LOCATED IN GYM



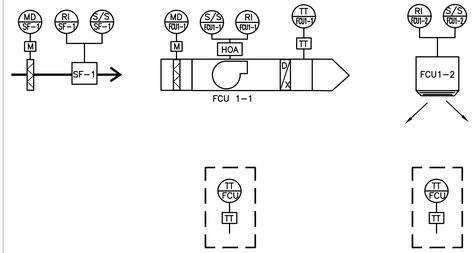
TEMPERATURE AND CARBON DIOXIDE SENSORS LOCATED IN GYM



BUILDING – A



ROOF LEVEL



FIRST FLOOR LEVEL

BUILDING – C

MECHANICAL CONTROL SCHEMATIC

NOT TO SCALE

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.

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
48 SCHLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.4444 FAX. 914.592.1717
WWW.FULLERDANGELO.COM

LFG
LANDMARK FACILITIES GROUP, INC.
252 East Avenue
Norwalk, CT 06855
(203) 866-6644
(203) 866-8019 Fax

LICENCE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
MECHANICAL PIPING & CONTROLS DIAGRAM

DATE	ISSUED TO
04-23-2024	BID
10-02-2023	S.E.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. BHS M203
SCALE AS NOTED
DRAWN BY LFG
FILE NO. 23505.01

PLOT DATE: April 17, 2024 - 9:55am

FILE: N:\Brewster Central Schools\2023 Capital Projects\Brewster HS\PACKAGE 1 – Security Vestibule\ACAD\Mechanical\BREW HS SECURE_M–200.dwg

INDOOR UNIT SCHEDULE

System Tag	Room Name	Tag Reference	Make	Model	Type	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Refrig Pipe Dimensions (inch)	Project Cooling Design Entering Temp DB/WB (°F)	Project Heating Design Entering Temp DB (°F)	Corrected Capacity			Electrical Data		Selected Fan Speed	Rated Airflow at Selected Fan Speed (cfm)	Max Fan ESP Setting (IN WG)	Zone Remote Controller 1	Zone Remote Controller 2	ERV (DI/DO) Interface Model Number	Notes / Options
											Cooling Total Capacity (BTU/h)	Cooling Sensible Capacity (BTU/h)	Heating Capacity (BTU/h)	Voltage / Phase	MCA / MOCP							
System 1	Vestibule	FCU1-1	Carrier	40VMM030A--3	Medium Static Duct	30,000.0	34,000.0	3/8 / 5/8	80.0 / 67.0	70.0	25,432.5	17,531.5	23,506.3	208-230V / 1-phase	5.0 / 15	High	1070	0.6	40VM900003			1, 2, 3, 4, 5
System 1	Security	FCU1-2	Carrier	40VMC012A--3	Compact 4-Way Cassette	12,170.0	13,000.0	1/4 / 1/2	80.0 / 67.0	70.0	10,173.0	7,638.5	8,987.7	208-230V / 1-phase	.53 / 15	High	359	0.04	40VM900003			1, 2, 3, 4, 5

Notes & Options:
1 Contractor shall furnish wall temp sensors at locations indicated on plans.
2 Refer to hanging detail for ducted fan coil units.

3 Refrigerant piping sizes shall be based on final lengths as per piping shop drawings furnished by contracter.
4 Contractor shall furnish and install a Little Giant condensate pump for each fan coil units.

5 Units shall be equipped with factory controls for simple integration in BAS. Coordinate with building ATC contractor for compatibility requirements.

OUTDOOR UNIT SCHEDULE

System Tag	Tag Reference	Make	Model Number	Modules	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Unit Weight (lbs)	Project Design Cooling Outdoor Temp DB (°F)	Project Design Heating Outdoor Temp WB[or DB] (°F)	Corrected Cooling Total Capacity (BTU/h)	Corrected Heating Capacity (BTU/h)	Capacity Maintenance (%)	Voltage / Phase	MCA	MOCP	RFS	Notes / Options
System 1	HP1-1	Carrier	38VMB036HDS3-1		36,000.0	40,000.0	220.0	92.0	-0.7	35,605.5	32,494.0	65.0	208/230V / 1-phase 3-wire	36	75	40	1, 2, 3, 4, 5, 6, 7

Notes & Options:
1 Provide factory support stand, 24" tall.

2 Units shall be equipped with factory controls for simple integration in BAS. Coordinate with building ATC contractor for compatibility requirements.

REPLACEMENT - ROOFTOP AIR HANDLING UNIT SCHEDULE			
MARK		RTU-101	RTU-102
AREA SERVED		BOYS LOCKER ROOM AREA & GYM	GIRLS LOCKER ROOM AREA & GYM
MODEL		GSJ240	GSJ240
MANUFACTURER		TRANE	TRANE
COOLING CAPACITY (MBH)		252.7	252.7
SENSIBLE CAPACITY (MBH)		201.4	201.4
HEAT SOURCE		CONDENSER WATER	CONDENSER WATER
HEAT CAPACITY (MBH)		299.3	299.3
COOLING EWT/LWT		86 / 100.9	86 / 100.9
HEATING EWT/LWT		68 / 55.9	68 / 55.9
FLUID FLOW RATE (GPM)		40.3	40.3
A I R	SUPPLY AIRFLOW (CFM)	8000	8000
	ESP (in. wc.)	1.2	1.2
	FAN RPM	1714	1714
	HEATING POWER	17.5	17.5
	ACTUAL MOTOR POWER	3.39	3.39
	EAT (DB / WB)	73 / 68	73 / 68
	LAT (DB / WB)	53.9 / 53.2	53.9 / 53.2
E L E C	VOLTAGE	460	460
	PHASE	3	3
	MOTOR FLA	42.8	42.8
	MCA	49	49
	MOP	60	60
	COP	5.86	5.86
EER		17.2	17.2
UNIT WEIGHT (lbs)		2210	2210
NOTES		1, 2, 3, 4, 5, 6, 7	1, 2, 3, 4, 5, 6, 7

NOTES:
1. UNITS SHALL BE FURNISHED WITH FACTORY BACNET CARD. COORDINATE WITH BLDG ATC CONTRACTOR.
2. FURNISH AND INSTALL ON 10" TALL ROOF CURB EXTENSION PER MANUFACTURER RECOMMENDATION.
3. FURNISH AND INSTALL OPTIONAL CO2 SENSOR PER MANUFACTURER'S RECOMMENDATIONS
4. FURNISH AND INSTALL OPTIONAL POWERED CONVENIENCE OUTLET.
5. FURNISH AND INSTALL OPTIONAL THROUGH-THE-BASE ELECTRICAL WITH DISCONNECT SWITCH.
6. FURNISH AND INSTALL OPTIONAL ENERGY WHEEL ACCESSORY.
7. UNIT SHALL BE EQUIPPED WITH FACTORY EXONOMIZER CAPABLE OF DIFFERENTIAL ENTHALPY

AIR OUTLET AND EXTERIOR LOUVER SCHEDULE

TAG	MFG	MODEL	AIRFLOW (CFM)	SIZE	NOTES
LD-1	TITUS	FL-10-1" SLOT	SEE DWGS	3"x48"	1
LV-1	AIROLITE	K6744	SEE DWGS	8"x8"	2

NOTES:
1. ALL AIR OUTLETS SHALL BE WHITE UNLESS OTHERWISE NOTED ON PLANS. ARCHITECT RESERVES FINAL COLOR APPROVAL.
2. PROVIDE KYNAR FINISH AND REFER TO ARCHIT. PLANS FOR COLOR.

O.A. INTAKE FAN SCHEDULE

TAG	QUANTITY	SERVICE	TYPE	MFG	MODEL	AIR FLOW (CFM)	STATIC PRESS. (IN. H20)	RPM	WATTS	HP	MAX. AMPS	VOLTAGE
SF-1	1	SECURITY OFFICE	IN-LINE	GREENHECK	G-060-VG-D	35	0.25	1550	-	1/60	-	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. FURNISH AND INSTALL CANVAS CONNECTOR AT FAN INLET AND DISCHARGE.
4. PROVIDE BACKDRAFT DAMPER ACCESSORY.

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.

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
48 SCHLUMOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX. 914.592.1717
WWW.FULLERDANGELO.COM
Copyright 2021 All Rights Reserved FULLER DANGELO P.C.

LFG
LANDMARK FACILITIES GROUP, INC.
252 East Avenue
Norwalk, CT 06855
(203) 866-6600 Tel
(203) 866-8019 Fax

LICENCE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
MECHANICAL SCHEDULES

04-23-2024	BID
10-02-2023	S.E.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE 30"x42"	DRAWING NO. BHS M300
SCALE AS NOTED	
DRAWN BY LFG	FILE NO. 23505.01

PLOT DATE: April 17, 2024 - 3:35pm

FILE: N:\Brewster Central Schools\2023 Capital Projects\Brewster HS\PACKAGE 1 - Security Vestibule\ACAD\Mechanical\BREW HS SECURE_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.
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

- 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.
- WALL/CEILING JUNCTION BOX WITH 3/4" (U.O.N.) DIA. CONDUIT STUB–UP 6" ABOVE FINISHED CEILING.
- THERMAL SWITCH
- EXISTING 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).
- 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.
- EXISTING CEILING MOUNTED SECURITY CAMERA
- EXISTING CEILING MOUNTED SPEAKER
- NEW CEILING MOUNTED SPEAKER
- CEILING MOUNTED WIRELESS ACCESS POINT
- CR — WALL MOUNTED SECURITY CARD READER
- EXISTING RECESSED DOWNLIGHT 277V
- EXISTING CEILING MOUNTED LAY–IN 2X4 LIGHT FIXTURE 277V
- NEW EXIT SIGN TO MATCH EXISTING
- NEW EMERGENCY LIGHTING WALL PACK
- PC — PHOTOCELL FOR EXTERIOR LIGHTING CONTROL
- D_W — 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.
- MANUALLY OPERATED LOCKDOWN BUTTON COORDINATE REQUIREMENTS WITH SECURITY

GFI GROUND FAULT INTERRUPTER

WP WEATHERPROOF

KP-2 #33 — HOME RUN TO DESIGNATED PANEL AND CIRCUIT #

FIRE ALARM LEGEND

- MANUAL PULL STATION
- 15cd — STROBE ONLY (SEE NOTE)
- 75cd — HORN STROBE (SEE NOTE)
- #D, 2 — SMOKE DETECTOR
- 135 — HEAT DETECTOR W/TEMP. RATING
- ANNUN — REMOTE ANNUNCIATOR PANEL
- FACP — FIRE ALARM CONTROL PANEL
- 2 — DUCT MOUNTED SMOKE DETECTOR
- F — FAN SHUTDOWN RELAY
- CM — CONTROL MODULE

ER ELEVATOR RECALL

TOS TOP OF SHAFT

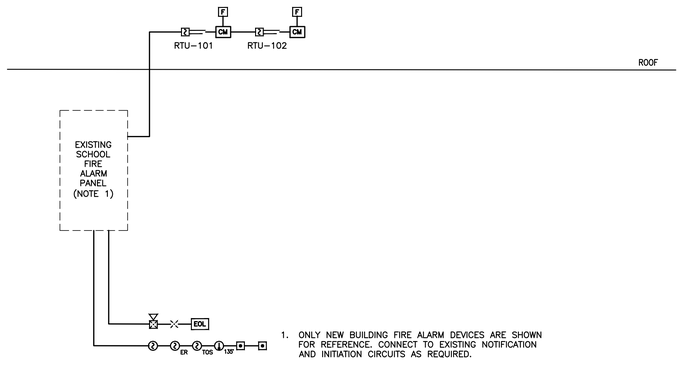
NOTE: UNLESS SHOWN OTHERWISE ON PLANS, PROVIDE MINIMUM 6d OUTPUT AS INDICATED IN FIRE ALARM LEGEND.

LIGHT FIXTURE LEGEND

TAG	DESCRIPTION	EQUIVALENT MANUFACTURERS AND CATALOG NUMBER	WATTAGE OR LAMPS	REMARKS
A	ARCHITECURAL TROFFER – CURVED FLOATING CENTER LED 2' X 2'	WILLIAMS AT1–2X2–8–D SERIES	29.5W LED	
B	4.5" ROUND LED DOWNLIGHT WITH REMOTE POWER SUPPLY	USAI B4RD–F–09C3–35KS–25–BF–WH–NCSM–UNV–RM RPC–01–CB27 SERIES	9W LED	
C	4.5" ROUND LED DOWNLIGHT WITH REMOTE POWER SUPPLY	USAI B4RD–F–24C3–35KS–50–BF–WH–NCSM–UNV–RM RPC–01–CB27 SERIES	24W LED	
D	20' HIGH POLE TOP LED SITE FIXTURE	LITHONIA DSX0 LED–P1–30K–T3M–SPA–PIRH–DBLXD SERIES	38W LED	REFER TO CIVIL DRAWINGS
E	ARCHITECTURAL FLOOD LIGHT LED SITE FIXTURE	WILLIAMS VF1–L20–750–HF–CU–FVS–VF1CS–120V SERIES	19W LED	REFER TO CIVIL DRAWINGS
	10' HIGH ALUMINUM SQUARE STRAIGHT POLE FOR SITE FIXTURE GREEN	WILLIAMS SSA–100–0500–125–SM/S–GRN–AB SERIES		REFER TO CIVIL DRAWINGS
F5/6/7/8	FUTURE ATHLETIC FIELD LIGHTING SYSTEM POWERED BY 125A/480V/3PH CONTROL PANEL (FINAL LOCATION TBD)	REFER TO MUSCO LIGHTING SYSTEMS PACKAGE FOR ADDITIONAL INFORMATION ON LIGHTING.		REFER TO CIVIL DRAWINGS
EXIT	EXIT SIGN WITH WHITE FACE AND RED LETTERS WITH SELF DIAGNOSTICS	AT–LITE XLN1–U SERIES	5W LED MAX RED	

FIRE ALARM GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL NEW COMPATIBLE AND ADDRESSABLE FIRE ALARM DEVICES AND ASSOCIATED EQUIPMENT, CABLING AND CONDUIT TO EXISTING FIRE ALARM CONTROL PANEL FOR A FULLY COMPLETE AND OPERABLE SYSTEM.
2. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE BUILDING CODE OF NEW YORK STATE, THE ELECTRICAL CODE OF NEW YORK STATE AND REQUIREMENTS SET FORTH BY THE NEW AMERICANS WITH DISABILITIES ACT (A.D.A.).
3. THE PROPRIETARY CAMPUS FIRE ALARM SYSTEM IS UNKNOWN. SYSTEM PROVIDED SHALL BE MANUFACTURED AND COMPATIBLE WITH THE EXISTING SYSTEM ON CAMPUS.
4. COMPLETE INSTALLATION OF THE FIRE ALARM SYSTEM SHALL BE COORDINATED WITH THE BUILDING'S FIRE ALARM SYSTEM VENDOR. EXISTING DEVICES OUTSIDE INDICATED AREA OF WORK TO BE REPLACED OR UPGRADED AS NEEDED TO MEET CODE OR FUNCTIONAL REQUIREMENTS. CONTRACTOR TO VERIFY CAPACITY OF EXISTING FA PANELS AND PROVIDE EXPANSION HARDWARE IF NECESSARY.
5. THE ELECTRICAL CONTRACTOR MUST SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR ANY MODIFICATIONS TO THE FIRE ALARM SYSTEM.
6. THE ELECTRICAL CONTRACTORS BID SHALL INCLUDE PROGRAMMING AND TESTING BY THE BUILDING FA VENDOR.
7. ANY RELATED CONNECTION CHARGES AND PROGRAMMING CHARGES SHALL BE INCLUDED IN THE ELECTRICAL CONTRACTOR'S BID.
8. ALL 120V REQUIREMENTS FOR ADDITIONAL EQUIPMENT REQUIRED BY THE FA CONTRACTOR SHALL BE INCLUDED IN THE ELECTRICAL CONTRACTOR'S BID.
9. ELECTRICAL CONDUITS SHALL ENTER ONLY AT THE SIDES OR BOTTOM OF THE FIRE ALARM TERMINAL BOXES, CONTROL PANELS ETC, UNLESS DESIGNED AND APPROVED FOR ENTRY ON THE TOP.
10. ALL WIRING TYPES SHALL BE COORDINATED WITH THE BUILDING DEPARTMENT, SHALL BE APPROVED BY THE LOCAL FIRE DEPARTMENT AND ALL AUTHORITIES HAVING JURISDICTION.
11. ALL INTERIOR EXPOSED WIRING SHALL BE IN SURFACE MOUNTED RACEWAY.
12. ALL EXTERIOR WIRING SHALL BE IN RIGID GALVANIZED STEEL CONDUIT. CONTRACTOR SHALL PROVIDE SLEEVE AND SEAL FOR ALL BUILDING PENETRATIONS.
13. ADDITION WORK WILL OCCUR WHILE EXISTING BUILDING IS OCCUPIED. NEW FIRE ALARM WORK SHALL NOT INTERRUPT FIRE ALARM SYSTEM IN THE REST OF THE BUILDING.



1. ONLY NEW BUILDING FIRE ALARM DEVICES ARE SHOWN FOR REFERENCE. CONNECT TO EXISTING NOTIFICATION AND INITIATION CIRCUITS AS REQUIRED.

PARTIAL FIRE ALARM RISER DIAGRAM

SEQUENCE OF OPERATION MATRIX

FIRE ALARM MATRIX	OUTPUT																
INPUT	FLOOR PAGE	SPEAKERS WHICH FLOOR, FLOOR ABOVE & FLOOR BELOW	STROBES FIRE FLOOR, FLOOR ABOVE & FLOOR BELOW	ELEVATOR RECALL	DOOR RELEASE	DAMPERS CLOSE	DAMPER OVERRIDE	FIRE SIGN	EXIT TONE	INJURY TONE	C/O ALARM	C/O TROUBLE	FCS DISPLAY	FCS AUDIBLE	REMOTE PRINTER
TROUBLE STATUS												X	X	X	X
MANUAL PULL STATION		X	X					X	X	X	X		X	X	X
AREA SMOKE DETECTOR		X	X		X	X		X	X	X	X		X	X	X
ELEVATOR LBY SMOKE		X	X	X	X	X		X	X	X	X		X	X	X
DUCT SMOKE DETECTOR		X	X		X	X		X	X	X	X		X	X	X
WATERFLOW SWITCH		X	X	X	X	X		X	X	X	X		X	X	X
TAMPER SWITCH								X	X	X		X	X	X	X
WARDEN PHONE	X												X	X	X
PURGE KEY/FLOOR SELECT							X						X		X
PURGE DAMPER OPEN STATUS													X		
PURGE DAMPER CLOSED STATUS													X		
FAN RUNNING STATUS													X		

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
48 SCHOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX. 914.592.1717
www.FULLERDANGELO.COM

LFG LANDMARK FACILITIES GROUP, INC.
252 East Avenue
Norwalk, CT 06855
(203) 866-8000 Tel
(203) 866-8019 Fax

LICENCE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 TOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
ELECTRICAL NOTES & LEGEND

DATE	ISSUED TO
04-23-2024	BID
10-02-2023	S.E.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: BHS E001
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO.: 23505.01

PLOT DATE: April 17, 2024 – 11:09am

FILE: N:\Brewster Central Schools\2023 Capital Projects\Brewster HS\PACKAGE 1 – Security Vestibule\ACAD\Electrical\BREW HS SECURE_E–001.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 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. 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 (ACCUs) PROVIDE POWER TO THEIR RESPECTIVE INDOOR UNITS (ACs) AND BRANCH CONTROLLERS (BSs). PROVIDE ALL WIRING, LINE AND LOW VOLTAGE BETWEEN UNITS AS REQUIRED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

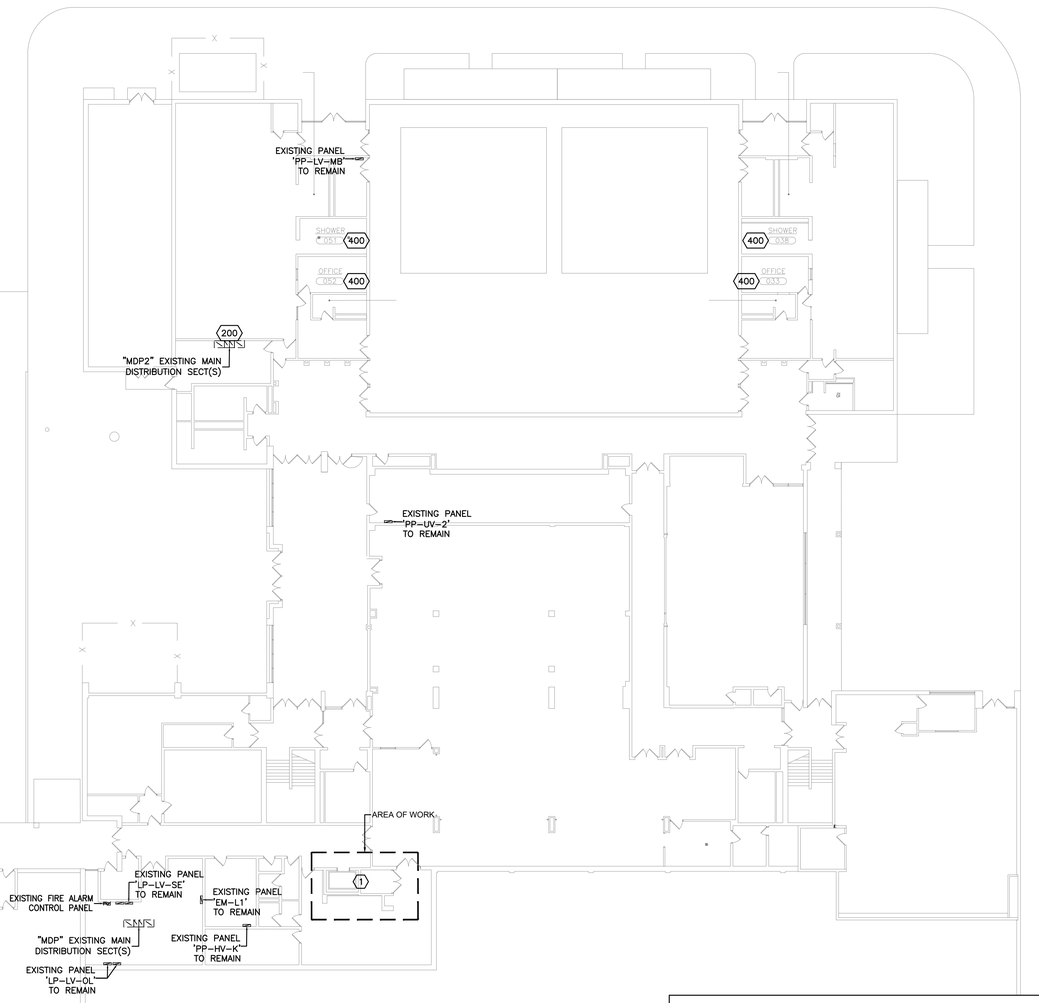
(200) PROVIDE NEW 200A FUSIBLE SWITCH IN EXISTING MAIN DISTRIBUTION SECTION (MDP2) FOR FUTURE ATHLETIC FIELD LIGHTING SYSTEM AND SCOREBOARD. REMOVE AND REPLACE EXISTING SPARE FUSIBLE SWITCH IF NECESSARY TO ACCOMMODATE ADDITION. REFER TO DWG. SU100 FOR ADDITIONAL INFORMATION.

(300) EXISTING ELEVATOR EQUIPMENT REPLACED WITH NEW IN PLACE AS SHOWN ON ARCHITECTURAL DRAWINGS. EXTEND AND RECONNECT EXISTING CONDUIT AS REQUIRED AND MAINTAIN EXISTING CIRCUITING FROM EXISTING PANEL(S) IN BASEMENT AS INDICATED. FIELD VERIFY EXISTING DISCONNECT SWITCH(S), JUNCTION BOX(S), OUTLET(S), ALARM DEVICES AND OTHER EXISTING ACCESSORIES REQUIRED ARE SALVAGEABLE. REMOVE AND REPLACE WITH NEW IF DEFECTIVE AND RECONNECT TO EXISTING EQUIPMENT AS REQUIRED.

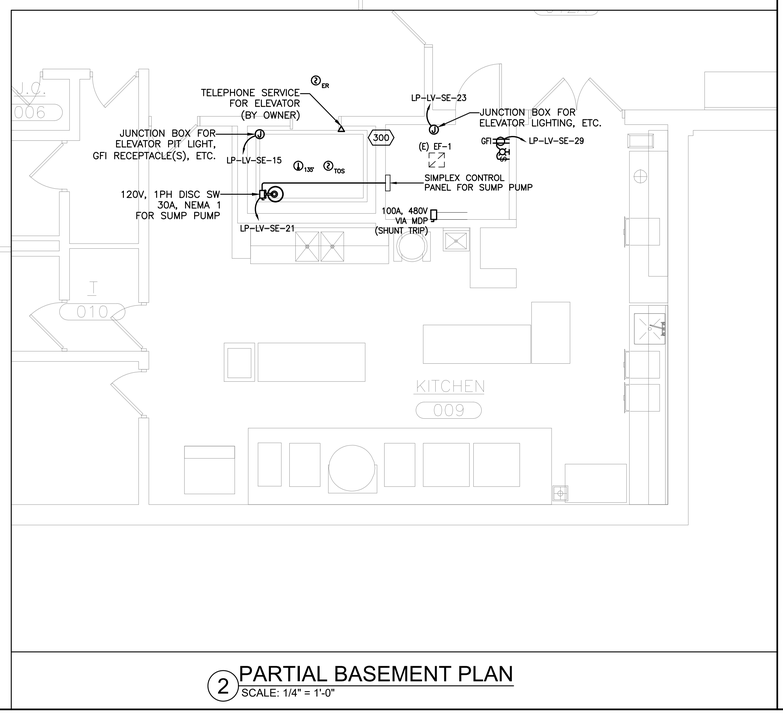
(400) EXISTING ROOM(S) LIGHTING REPLACED WITH NEW IN PLACE. ELECTRICAL CONTRACTOR SHALL REMOVE ALL LIGHT FIXTURES, CEILING MOUNTED LIGHTING CONTROL DEVICES AND OTHER CEILING MOUNTED ELECTRICAL DEVICES (INCLUDING ALL LOW VOLTAGE DEVICES). EXTEND AND RECONNECT EXISTING CONDUIT AND WIRING TO LIGHTING AS REQUIRED AND MAINTAIN CONTROLS AND CIRCUITING FROM EXISTING PANEL ON FLOOR. REFER TO ARCHITECTURAL DRAWINGS AND SUBMITTALS FOR ADDITIONAL INFORMATION, QUANTITIES AND SPECIFICATIONS. COORDINATE WITH GC FOR CEILING REMOVAL.

DEMOLITION CODED NOTES

(1) REMOVE AND PROPERLY DISPOSE OF EXISTING ELECTRICAL EQUIPMENT AND DEVICES SERVING ELEVATOR EQUIPMENT TO BE REMOVED. REMOVE ALL CONDUIT AND CONDUCTORS AS REQUIRED BACK TO THEIR RESPECTIVE ELECTRICAL PANELS. FIELD VERIFY EXACT LOCATION OF EQUIPMENT AND DEVICES PRIOR TO BID. REFER TO ELEVATOR SUPPLIER DRAWINGS FOR ADDITIONAL INFORMATION AND EXACT LOCATIONS OF ELEVATOR EQUIPMENT TO BE REMOVED.



1 ELECTRICAL POWER KEY PLAN
SCALE: 1/16" = 1'-0"



2 PARTIAL BASEMENT 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
48 SCHLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.4444 FAX. 914.592.1717
WWW.FULLERDANGELO.COM
MAIL@FULLERDANGELO.COM

LFG LANDMARK FACILITIES GROUP, INC.
252 East Avenue
Norwalk, CT 06855
(203) 866-6644 Tel
(203) 866-8019 Fax

LICENCE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
BASEMENT
ELECTRICAL POWER PLAN

DATE	ISSUED TO
04-23-2024	BID
10-02-2023	S.E.D. SUBMISSION

SHEET SIZE 30"x42" | DRAWING NO. BHS E100
SCALE AS NOTED | FILE NO. 23505.01
DRAWN BY LFG

PLOT DATE: April 16, 2024 - 10:38am

FILE: N:\Brewster Central Schools\2023 Capital Projects\Brewster HS\PACKAGE 1 - Security Vestibule\ACAD\Electrical\BREW HS SECURE_E-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.

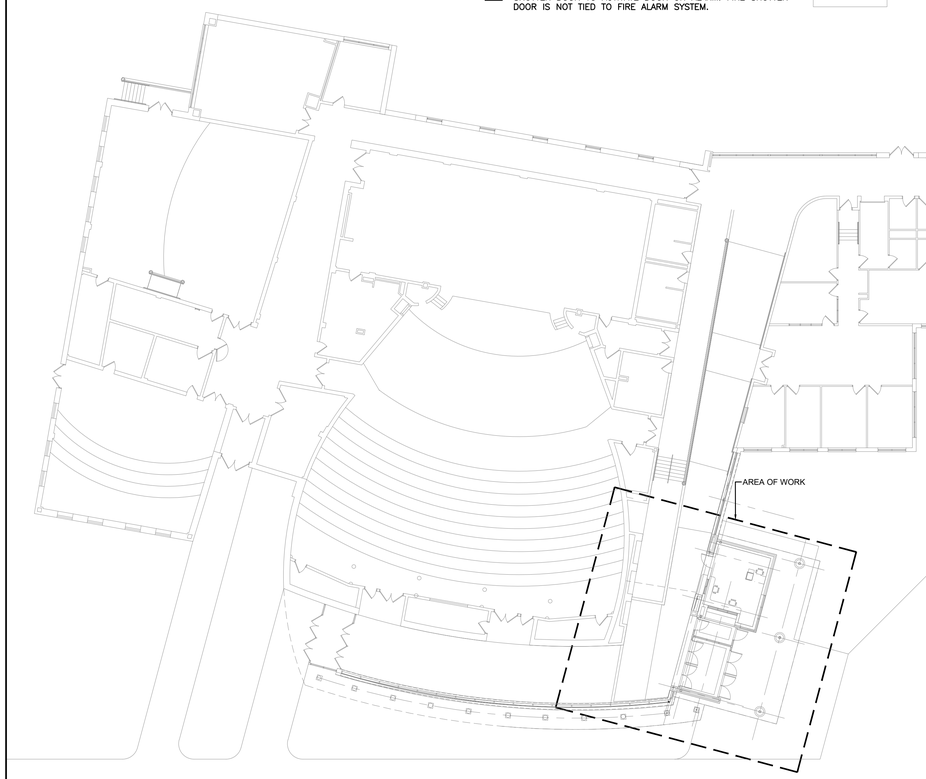
3. ALL EXIT AND EMERGENCY EGRESS LIGHTING SHALL BE UNSWITCHED AND SHALL AUTOMATICALLY ENERGIZE FROM INTERNAL BATTERY ON LOSS OF POWER. ALL EXIT AND EMERGENCY EGRESS LIGHTING AND SIGNS SHALL BE VERIFIED IN FIELD WITH OWNER PRIOR TO INSTALLATION.

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〉 EXISTING LIGHTING IN ROOMS 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.

〈101〉 SMOKE DETECTORS LOCATED ON EITHER SIDE OF FIRE SHUTTER DOOR TO ACTIVATE DOOR ON ALARM. FIRE SHUTTER DOOR IS NOT TIED TO FIRE ALARM SYSTEM.



1 ELECTRICAL LIGHTING KEY PLAN
SCALE: 1/16" = 1'-0"

2 PARTIAL FIRST FLOOR 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
48 SCHLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL 914.592.4444 FAX 914.592.1717
www.FULLERDANGELO.com

LFG
LANDMARK FACILITIES GROUP, INC.
252 East Avenue
Norwalk, CT 06855
(203) 866-8080
(203) 866-8079 Fax

LICENCE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
67 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
FIRST FLOOR
ELECTRICAL LIGHTING PLAN

DATE	ISSUED TO
04-23-2024	BID
10-02-2023	S.E.D. SUBMISSION

SHEET SIZE: 30"x42"	DRAWING NO.: BHS EL101
SCALE: AS NOTED	
DRAWN BY: LFG	FILE NO.: 23505.01

PLOT DATE: April 15, 2024 - 9:02am

FILE: N:\Brewster Central Schools\2023 Capital Projects\Brewster HS\PACKAGE 1 – Security Vestibule\ACAD\Electrical\BREW HS SECURE_EP–101_EL–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 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. 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.

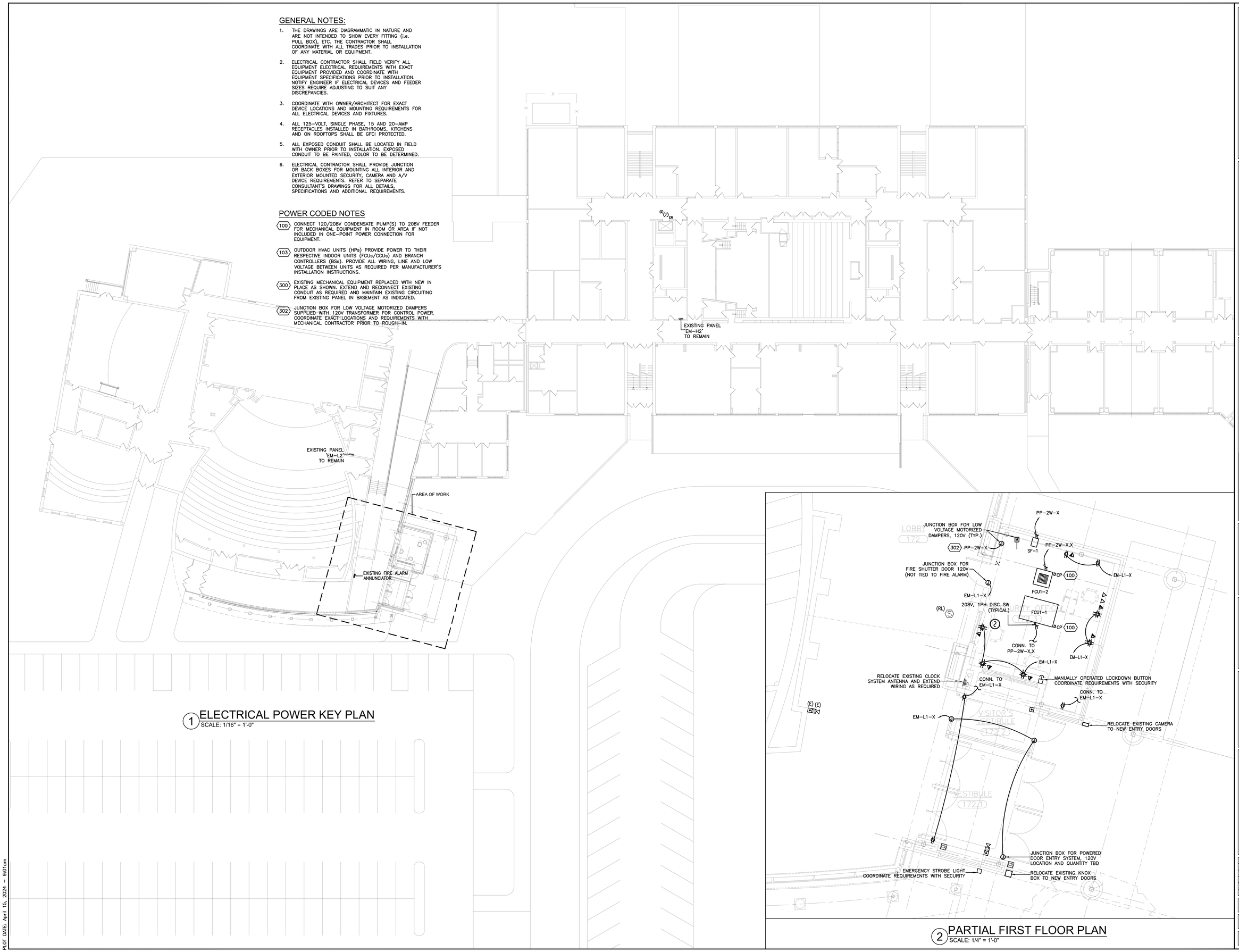
POWER CODED NOTES

(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.



1 ELECTRICAL POWER KEY PLAN
SCALE: 1/16" = 1'-0"

2 PARTIAL FIRST FLOOR 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
48 SCHOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL 914.592.4444 FAX 914.592.1717
WWW.FULLERDANGELO.COM
MAIL@FULLERDANGELO.COM

LFG LANDMARK FACILITIES GROUP, INC.
252 East Avenue
Norwalk, CT 06855
(203) 866-6600 Tel
(203) 866-9119 Fax

LICENCE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-05-01-06-0-004-018

PROJECT TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & ELECTRICAL WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
FIRST FLOOR
ELECTRICAL POWER PLAN

DATE	ISSUED TO
04-23-2024	BID
10-02-2023	S.E.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: BHS EP101
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO.: 23505.01

PLOT DATE: April 15, 2024 - 9:01am

FILE: N:\Brewster Central Schools\2023 Capital Projects\Brewster HS\PACKAGE 1 - Security Vestibule\ACAD\Electrical\BREW HS SECURE_EP-101_EL-101.dwg

GENERAL NOTES:

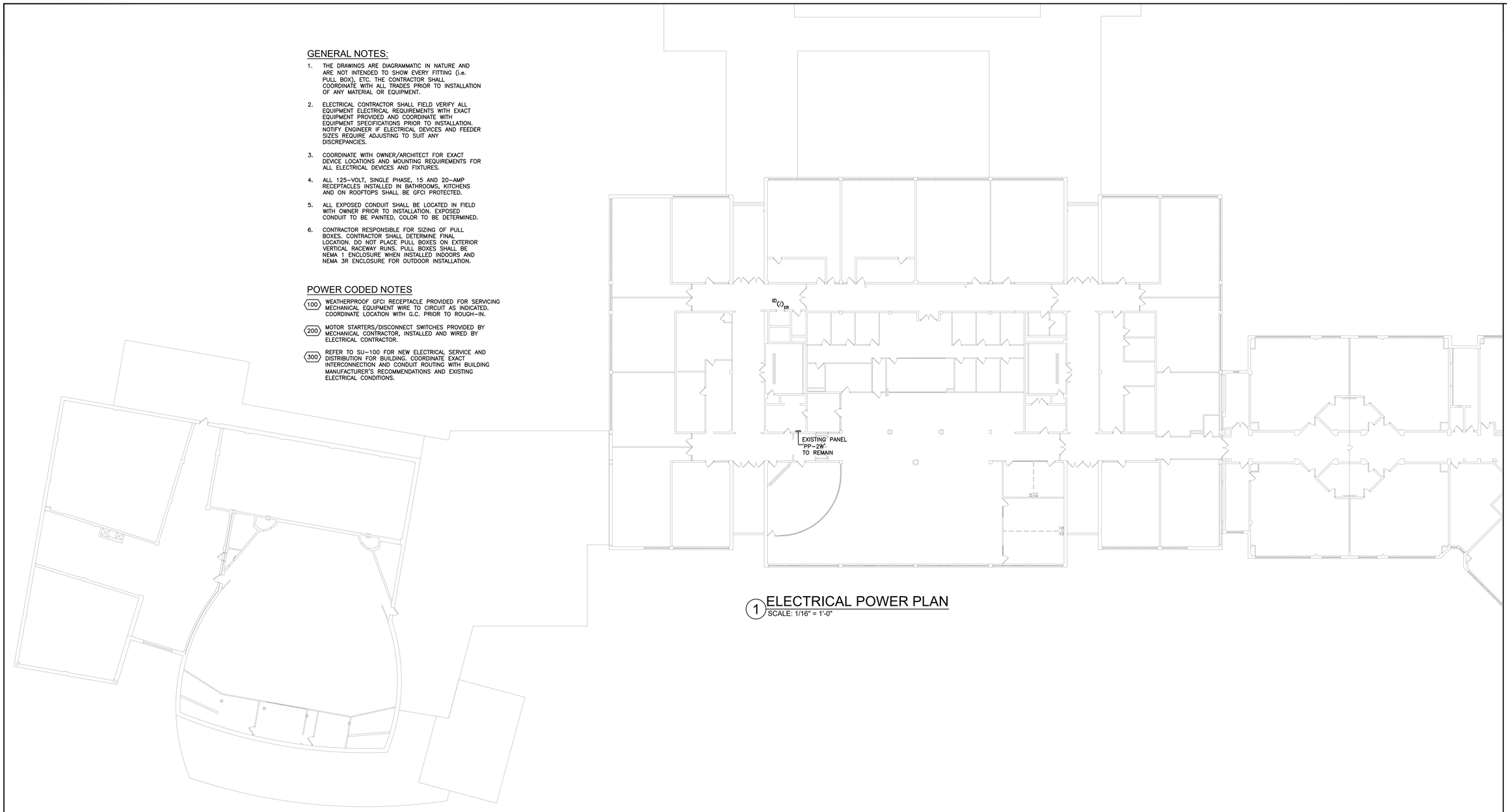
1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO SHOW EVERY FITTING (i.e. PULL BOX), ETC. THE CONTRACTOR SHALL COORDINATE WITH ALL TRADES PRIOR TO INSTALLATION OF ANY MATERIAL OR EQUIPMENT.
2. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EQUIPMENT ELECTRICAL REQUIREMENTS WITH EXACT 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.

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.

(200) MOTOR STARTERS/DISCONNECT SWITCHES PROVIDED BY MECHANICAL CONTRACTOR, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR.

(300) REFER TO SU-100 FOR NEW ELECTRICAL SERVICE AND DISTRIBUTION FOR BUILDING. COORDINATE EXACT INTERCONNECTION AND CONDUIT ROUTING WITH BUILDING MANUFACTURER'S RECOMMENDATIONS AND EXISTING ELECTRICAL CONDITIONS.



1 ELECTRICAL POWER PLAN
SCALE: 1/16" = 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
48 SCHLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.4444 FAX. 914.592.1717
WWW.FULLERDANGELO.COM

LFG LANDMARK FACILITIES GROUP, INC.
252 East Avenue
Norwalk, CT 06855
(203) 866-6644
(203) 866-8019 Fax

LICENCE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE
SECOND FLOOR
ELECTRICAL POWER PLAN

DATE	ISSUED TO
04-23-2024	BID
10-02-2023	S.E.D. SUBMISSION

SHEET SIZE 30"x42"
SCALE AS NOTED
DRAWING NO. BHS E102
DRAWN BY LFG
FILE NO. 23505.01

PLOT DATE: April 15, 2024 - 9:00am

FILE: N:\Brewster Central Schools\2023 Capital Projects\Brewster HS\PACKAGE 1 - Security Vestibule\ACAD\Electrical\BREW HS SECURE_E-102.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 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 (BSs). PROVIDE ALL WIRING, LINE AND LOW VOLTAGE BETWEEN UNITS AS REQUIRED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

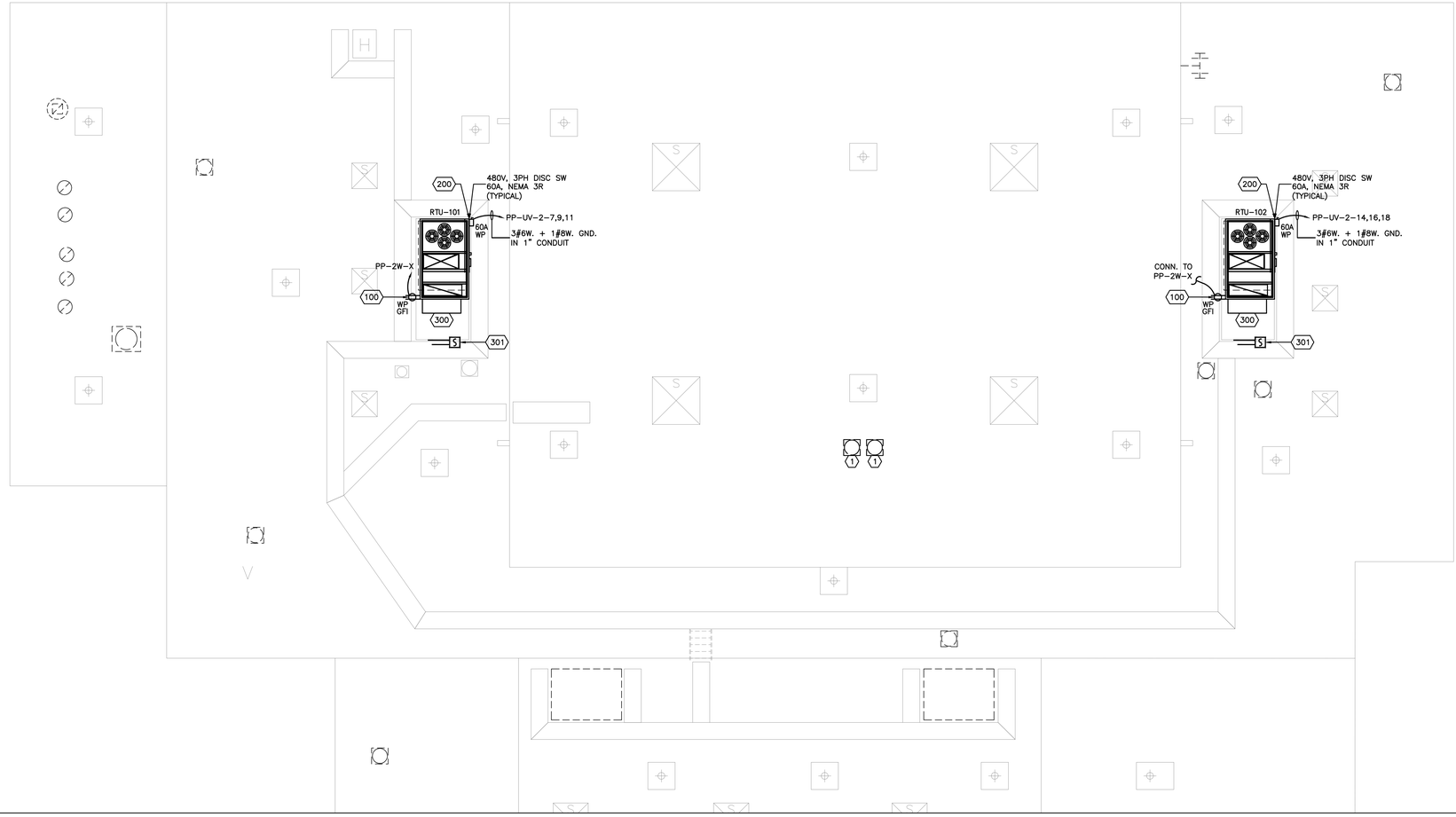
(200) MOTOR STARTERS/DISCONNECT SWITCHES PROVIDED BY MECHANICAL CONTRACTOR, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR.

(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.

DEMOLITION CODED NOTES

(1) REMOVE AND PROPERLY DISPOSE OF EXISTING ELECTRICAL EQUIPMENT AND DEVICES SERVING MECHANICAL EQUIPMENT TO BE REMOVED. REMOVE ALL CONDUIT AND CONDUCTORS BACK TO THEIR RESPECTIVE ELECTRICAL PANELS. FIELD VERIFY EXACT LOCATION OF EQUIPMENT AND DEVICES PRIOR TO BID. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION AND EXACT LOCATIONS OF MECHANICAL EQUIPMENT TO BE REMOVED.



1 PARTIAL ELECTRICAL POWER PLAN
SCALE: 1/8" = 1'-0"

2 PARTIAL ELECTRICAL POWER 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 PROPERTY OF F&D. ANY REPRODUCTION WITHOUT THE PRIOR CONSENT OF F&D IS PROHIBITED.

FULLER D'ANGELO P.C. ARCHITECTS PLANNERS
48 SCHOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.4444 FAX. 914.592.1717
www.FULLERDANGELO.COM
Project 20-Apts-Fences\Full\Shields.pc

LFG
LANDMARK FACILITIES GROUP, INC.
252 East Avenue
Norwalk, CT 06855
(203) 866-8004 tel
(203) 866-8019 fax

LICENCE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE
REPLACE TURF
50 FOGGINTOWN ROAD BREWSTER, NY 10509

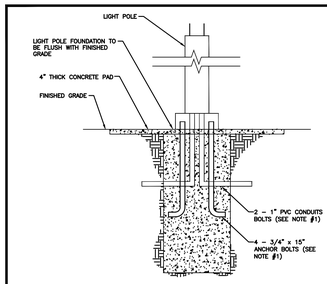
DRAWING TITLE
ROOF
ELECTRICAL POWER PLANS

DATE	ISSUED TO
04-23-2024	BID
10-02-2023	S.E.D. SUBMISSION

SHEET SIZE: 30"x42"	DRAWING NO. BHS E103
SCALE: AS NOTED	
DRAWN BY: LFG	FILE NO. 23505.01

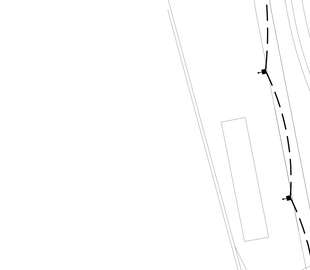
PLOT DATE: April 17, 2024 - 10:58am

FILE: N:\Brewster Central Schools\2023 Capital Projects\Brewster HS\PACKAGE 1 - Security Vestibule\ACAD\Electrical\BREW HS SECURE_E-103.dwg



NOTES:
1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CHECK AND VERIFY ALL ANCHOR BOLT DIMENSIONS (SIZE, BOLT CIRCLE, ETC.) WITH THE CONTRACTOR WHO WILL BE INSTALLING THE LIGHTING STANDARD PRIOR TO INSTALLATION OF THE FOUNDATIONS.

2 DETAIL TRACK LIGHT FOUNDATION
SCALE: NONE

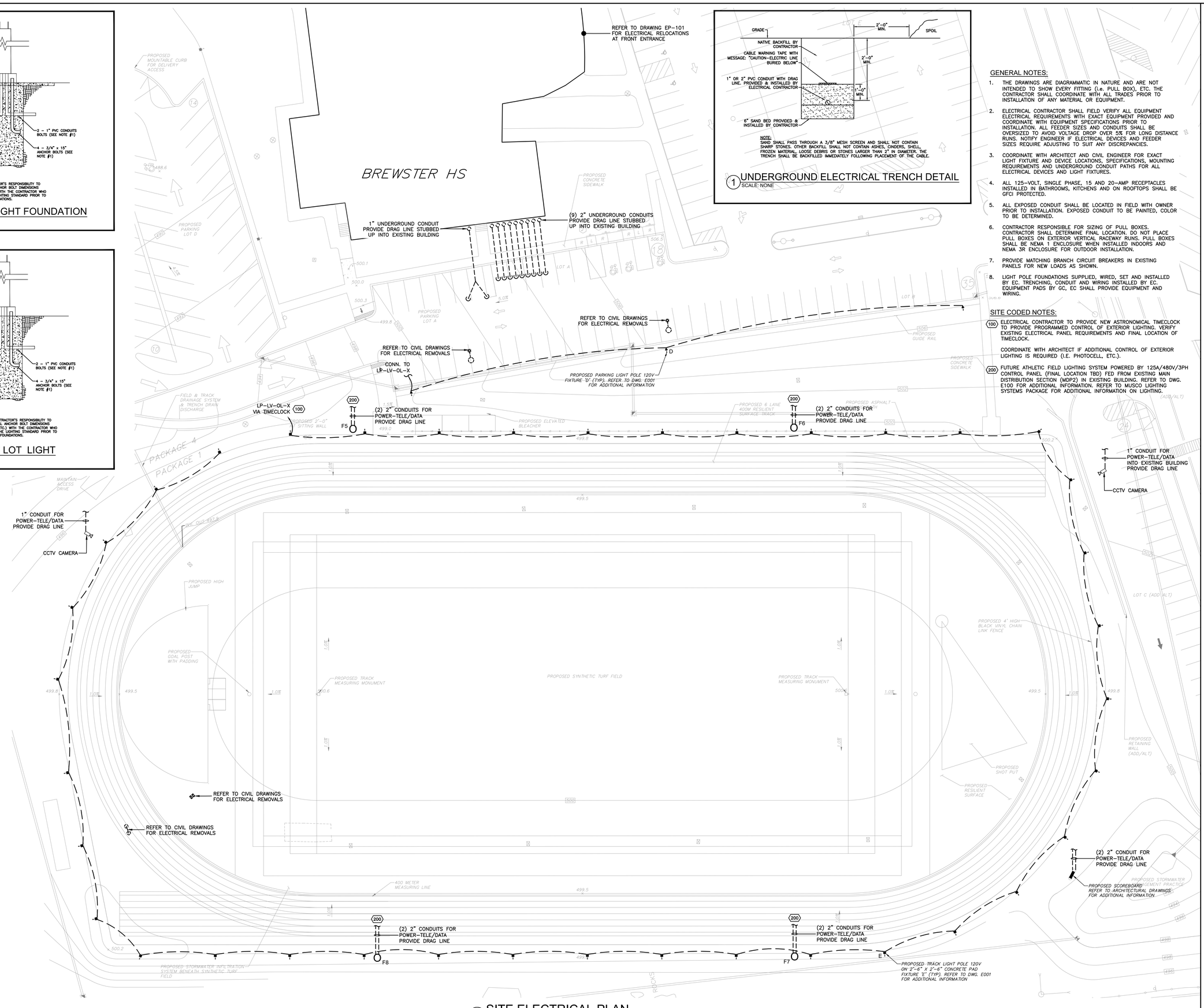


NOTES:
1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CHECK AND VERIFY ALL ANCHOR BOLT DIMENSIONS (SIZE, BOLT CIRCLE, ETC.) WITH THE CONTRACTOR WHO WILL BE INSTALLING THE LIGHTING STANDARD PRIOR TO INSTALLATION OF THE FOUNDATIONS.

3 DETAIL PARKING LOT LIGHT
SCALE: NONE

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 CABLE.

1 UNDERGROUND ELECTRICAL TRENCH DETAIL
SCALE: NONE



1 SITE ELECTRICAL PLAN
SCALE: 1" = 20'-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. ALL FEEDER SIZES AND CONDUITS SHALL BE OVERSIZED TO AVOID VOLTAGE DROP OVER 5% FOR LONG DISTANCE RUNS. NOTIFY ENGINEER IF ELECTRICAL DEVICES AND FEEDER SIZES REQUIRE ADJUSTING TO SUIT ANY DISCREPANCIES.
3. COORDINATE WITH ARCHITECT AND CIVIL ENGINEER FOR EXACT LIGHT FIXTURE AND DEVICE LOCATIONS, SPECIFICATIONS, MOUNTING REQUIREMENTS AND UNDERGROUND CONDUIT PATHS FOR ALL ELECTRICAL DEVICES AND LIGHT 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. PROVIDE MATCHING BRANCH CIRCUIT BREAKERS IN EXISTING PANELS FOR NEW LOADS AS SHOWN.
8. LIGHT POLE FOUNDATIONS SUPPLIED, WIRED, SET AND INSTALLED BY EC. TRENCHING, CONDUIT AND WIRING INSTALLED BY EC. EQUIPMENT PADS BY GC, EC SHALL PROVIDE EQUIPMENT AND WIRING.

SITE CODED NOTES:

100 ELECTRICAL CONTRACTOR TO PROVIDE NEW ASTRONOMICAL TIMECLOCK TO PROVIDE PROGRAMMED CONTROL OF EXTERIOR LIGHTING. VERIFY EXISTING ELECTRICAL PANEL REQUIREMENTS AND FINAL LOCATION OF TIMECLOCK.

COORDINATE WITH ARCHITECT IF ADDITIONAL CONTROL OF EXTERIOR LIGHTING IS REQUIRED (i.e. PHOTOCELL, ETC.).

200 FUTURE ATHLETIC FIELD LIGHTING SYSTEM POWERED BY 125A/480V/3PH CONTROL PANEL (FINAL LOCATION TBD) FED FROM EXISTING MAIN DISTRIBUTION SECTION (MDP2) IN EXISTING BUILDING. REFER TO DWG. E100 FOR ADDITIONAL INFORMATION. REFER TO MUSCO LIGHTING SYSTEMS PACKAGE FOR ADDITIONAL INFORMATION ON LIGHTING. (ADD/ALT)

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
48 SCHOLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.4444 FAX. 914.592.1717
WWW.FULLERDANGELO.COM

LFG LANDMARK FACILITIES GROUP, INC.
252 East Avenue
Norwalk, CT 06855
(203) 866-6644
(203) 866-80119 Fax

LICENCE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

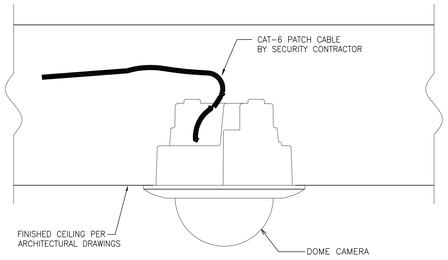
DRAWING TITLE
SITE ELECTRICAL PLAN

DATE	ISSUED TO
04-23-2024	BID
10-02-2023	S.E.D. SUBMISSION

SHEET SIZE: 30"x42"	DRAWING NO.: BHS SU100
SCALE: AS NOTED	
DRAWN BY: LFG	FILE NO.: 23505.01

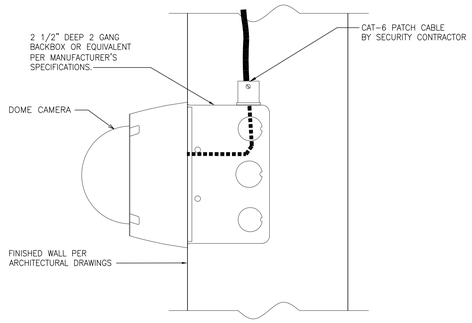
PLOT DATE: April 15, 2024 - 9:04am

FILE: N:\Brewster Central Schools\2023 Capital Projects\Brewster HS\PACKAGE 1 – Security Vestibule\ACAD\Electrical\BREW HS SECURE_SU–100.dwg



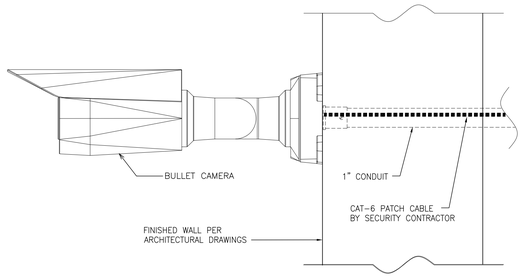
NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

IN-CEILING DOME CAMERA INTERIOR CEILING FLUSH MOUNT
1 SCALE: N.T.S.



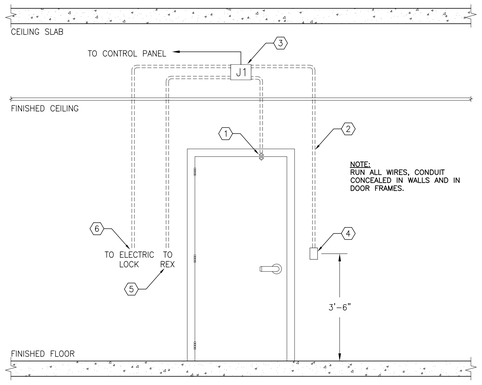
NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

DOME CAMERA INTERIOR WALL SURFACE MOUNT
2 SCALE: N.T.S.



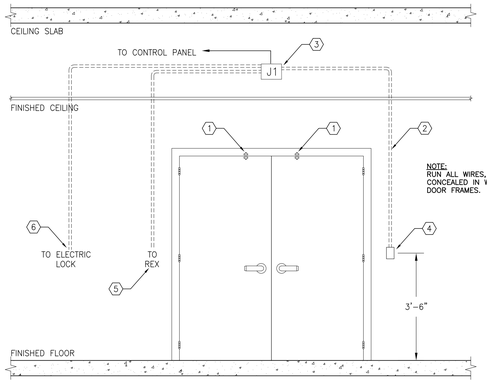
NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

BULLET CAMERA EXTERIOR WALL MOUNT
4 SCALE: N.T.S.



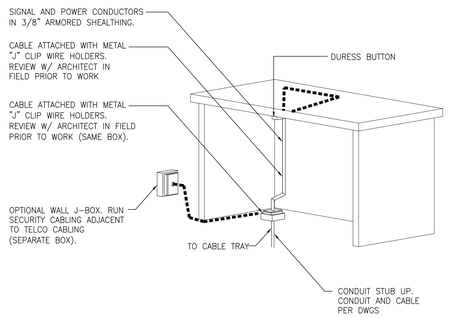
NOTES:
1. DOOR CONTACT
2. STUB 3/4" CONDUIT WITH DRAG LINE (TYPICAL)
3. PROVIDE 4" x 4" x 2-1/8" DEEP JUNCTION BOX WITH COVER MOUNTED ABOVE DOOR, ABOVE ACCESSIBLE CEILING.
4. CARD READER (UNPROTECTED SIDE)
5. REQUEST TO EXIT (PROTECTED SIDE)
6. ELECTRIC LOCK

SINGLE DOOR - ELECTRIC LOCK (TBD) CARD READER IN
4 SCALE: N.T.S.



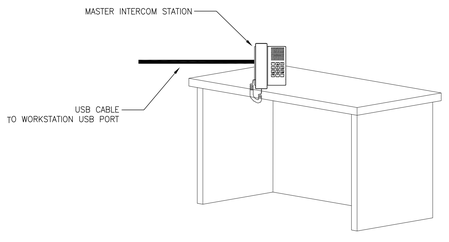
NOTES:
1. DOOR CONTACT
2. STUB 3/4" CONDUIT WITH DRAG LINE (TYPICAL)
3. PROVIDE 4" x 4" x 2-1/8" DEEP JUNCTION BOX WITH COVER MOUNTED ABOVE DOOR, ABOVE ACCESSIBLE CEILING.
4. CARD READER (UNPROTECTED SIDE)
5. REQUEST TO EXIT (PROTECTED SIDE)
6. ELECTRIC LOCK

DOUBLE DOOR - ELECTRIC LOCK (TBD) CARD READER IN
5 SCALE: N.T.S.



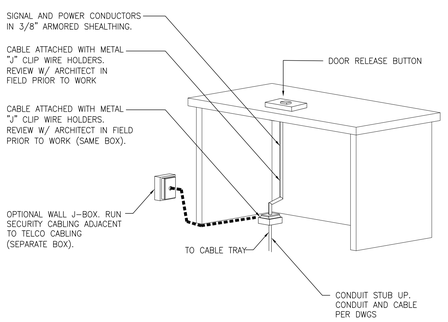
NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. FINAL MOUNTING LOCATIONS TO BE COORDINATED WITH ARCHITECT'S INTERIOR ELEVATIONS
3. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

DURESS BUTTON UNDER DESK
6 SCALE: N.T.S.



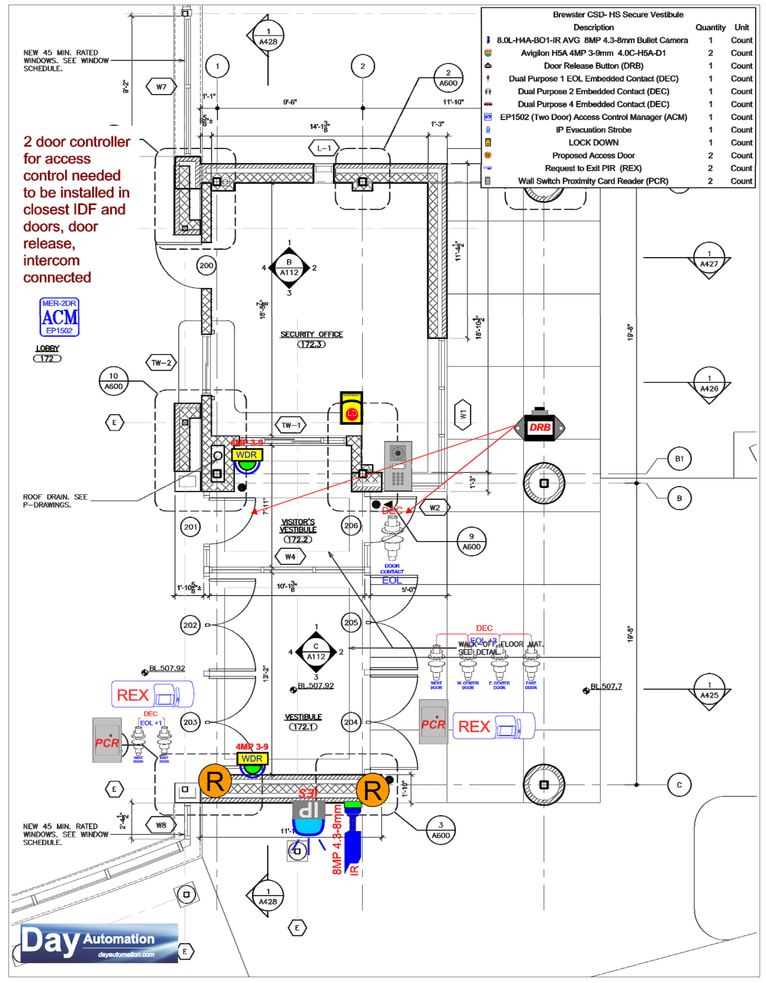
NOTES:
1. DETAIL REPRESENTS TYPICAL SECURITY REQUIREMENTS
2. FINAL MOUNTING LOCATIONS TO BE COORDINATED WITH ARCHITECT'S INTERIOR ELEVATIONS
3. SEE THE FLOOR/CEILING PLANS FOR DEVICE LOCATIONS

INTERCOM MASTER DESKTOP
7 SCALE: N.T.S.



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

MULTI-DOOR RELEASE BUTTON(S) DESK MOUNT
8 SCALE: N.T.S.



Brewster CSD- HS Secure Vestibule		
Description	Quantity	Unit
8.0L-H4A-BO1-IR AVG 8MP 4.3-8mm Bullet Camera	1	Count
Avigilon H5A 4MP 3-9mm 4.0C-H5A-D1	2	Count
Door Release Button (DRB)	1	Count
Dual Purpose 1 EOL Embedded Contact (DEC)	1	Count
Dual Purpose 2 Embedded Contact (DEC)	1	Count
Dual Purpose 4 Embedded Contact (DEC)	1	Count
EP1502 (Two Door) Access Control Manager (ACM)	1	Count
IP Evacuation Strobe	1	Count
LOCK DOWN	1	Count
Proposed Access Door	2	Count
Request to Exit PIR (REX)	2	Count
Wall Switch Proximity Card Reader (PCR)	2	Count

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
48 KHOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL. 914.592.2444 FAX 914.592.1717
EMAIL: FULLERDANGELO@AOL.COM
Copyright 2024 FULLER D'ANGELO P.C.

S.E.D. CONTROL NUMBER:

BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGARTOWN ROAD BREWSTER, NY 10509

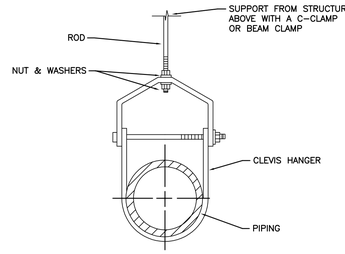
DRAWING TITLE
SECURITY DRAWINGS & DETAILS

04-23-2024	B I D
10-02-2023	S.E.D. SUBMISSION
08-01-2023	D.D. SUBMISSION
06-20-2023	S.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE: 30"x42"	DRAWING NO.: BHS SEC-1
SCALE: AS NOTED	
DRAWN BY: F & D	FILE NO.: 23505.01

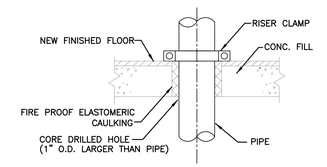
PLOT DATE: April 18, 2024 - 2:17pm

FILE: I:\23505.01 Brewster HS Security Vestibule, New Synthetic Turf Field\DRAWINGS\CURRENT\1-F&D\SEC-1.dwg



TYP. PIPE HANGER

NO SCALE



DETAIL FLOOR PENETRATION

NO SCALE

PLUMBING SYMBOL LIST

SYMBOL	NOTE: NOT ALL SYMBOLS ARE USED DESCRIPTION
	EXISTING PIPING TO REMAIN
	EXISTING PIPING TO BE REMOVED
	SANITARY PIPE ABOVE FLOOR/SLAB (S)
	SANITARY PIPE BELOW FLOOR/SLAB (S)
	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)
	COLD WATER PIPING UNDER GROUND(CW)
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

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
HWR	HOT WATER RECIRCULATION
IW	INDIRECT WASTE
L1 or L2	LAVATORY
LV	LAVATORIES
MIN	MINIMUM
MTD	MOUNTED
NTS	NOT TO SCALE
S	SANITARY
SH2	SHOWER
K2	SINK
TYP	TYPICAL
UP	UP (PENETRATES FLOOR SLAB)
U1 or U2	URINAL
V or VNT	VENT
VIF	VERIFY IN FIELD
W	WASTE
W1, W2, or W3	WATER CLOSET
WCO	WALL CLEANOUT
WH	WATER HEATER

PLUMBING EQUIPMENT SCHEDULE

SP-1 SUMP PUMP: (24"x24"D SUMP PIT) STANCOR MODEL: SE50 SIMPLEX OIL-MINDER SYSTEM SUBMERSIBLE 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

RD-1 ROOF DRAIN JAY R. SMITH MODEL #1011Y-C, 15" DIAMETER ROOF DRAIN 4" OUTLET, DURA-CAST CAST IRON BODY, FLASHING CLAMP, STAINLESS STEEL PERFORATED GRAVEL GUARD,

ORD-1 ROOF DRAIN: JAY R. SMITH MODEL #1070Y-100-C-SP2, 15" DIAMETER ROOF DRAIN 4" OUTLET, DURA-CAST CAST IRON BODY, FLASHING CLAMP, GRAVEL STOP, P.V.C. STANDPIPE

DS-1 DOWNSPOUT NOZZLE: JAY R. SMITH MODEL #1770Y-ADA-BS-NB W/2646Y ADAPTOR, 3"

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
48 SCHOLWOOD ROAD ELMSFORD NEW YORK 10523
TEL: 914.592.2444 FAX: 914.592.1717
WWW.FULLERDANGELO.COM

Copyright 2023 All Rights Reserved by FULLER D'ANGELO P.C.

LFG
LANDMARK FACILITIES GROUP, INC.
252 East Avenue
Norwalk, CT 06855
(203) 866-8644
(203) 866-8019 Fax

LICENCE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:

BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

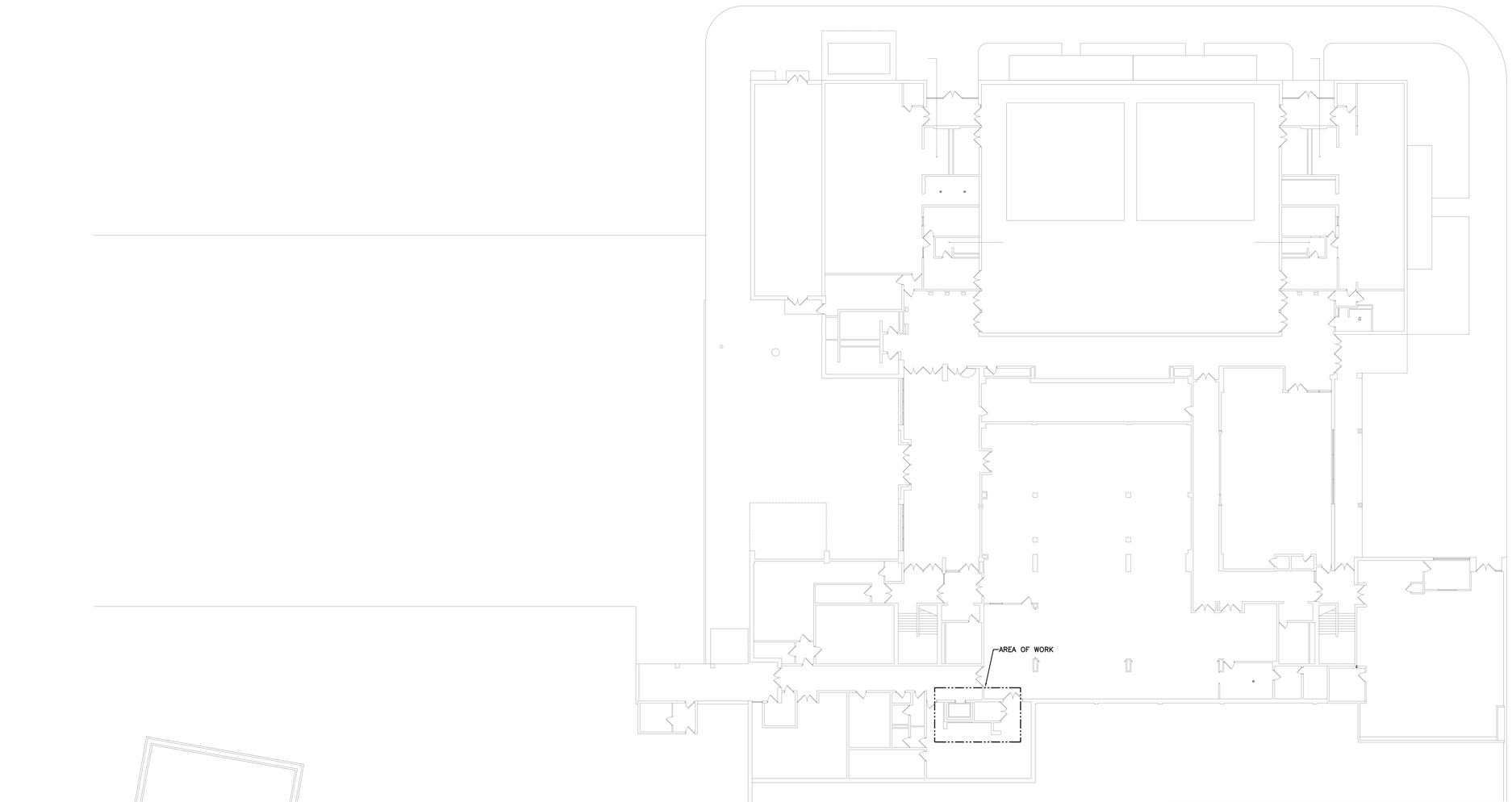
DRAWING TITLE
PLUMBING SYMBOLS, NOTES AND DETAILS

DATE	ISSUED TO
04-23-2024	BID
10-02-2023	S.E.D. SUBMISSION

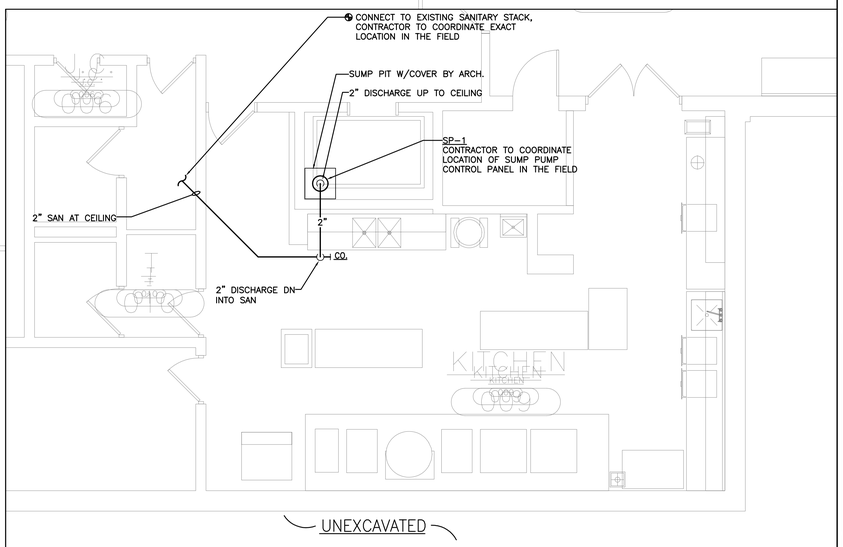
SHEET SIZE: 30"x42"
DRAWING NO.: BHS P001
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO.: 23505.01

PLOT DATE: April 15, 2024 - 10:23am

FILE: N:\Brewster Central Schools\2023 Capital Projects\Brewster HS\PACKAGE 1 - Security Vestibule\ACAD\Plumbing\BREW HS SECURE_P-001_P-100.dwg



1 PLUMBING KEY PLAN
SCALE: 1/16" = 1'-0"



2 PARTIAL BASEMENT 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
48 SCHLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL: 914.592.4444 FAX: 914.592.1717
WWW.FULLERDANGELO.COM

LFG
LANDMARK FACILITIES GROUP, INC.
252 East Avenue
Norwalk, CT 06855
(203) 866-8004 Tel
(203) 866-8019 Fax

LICENCE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

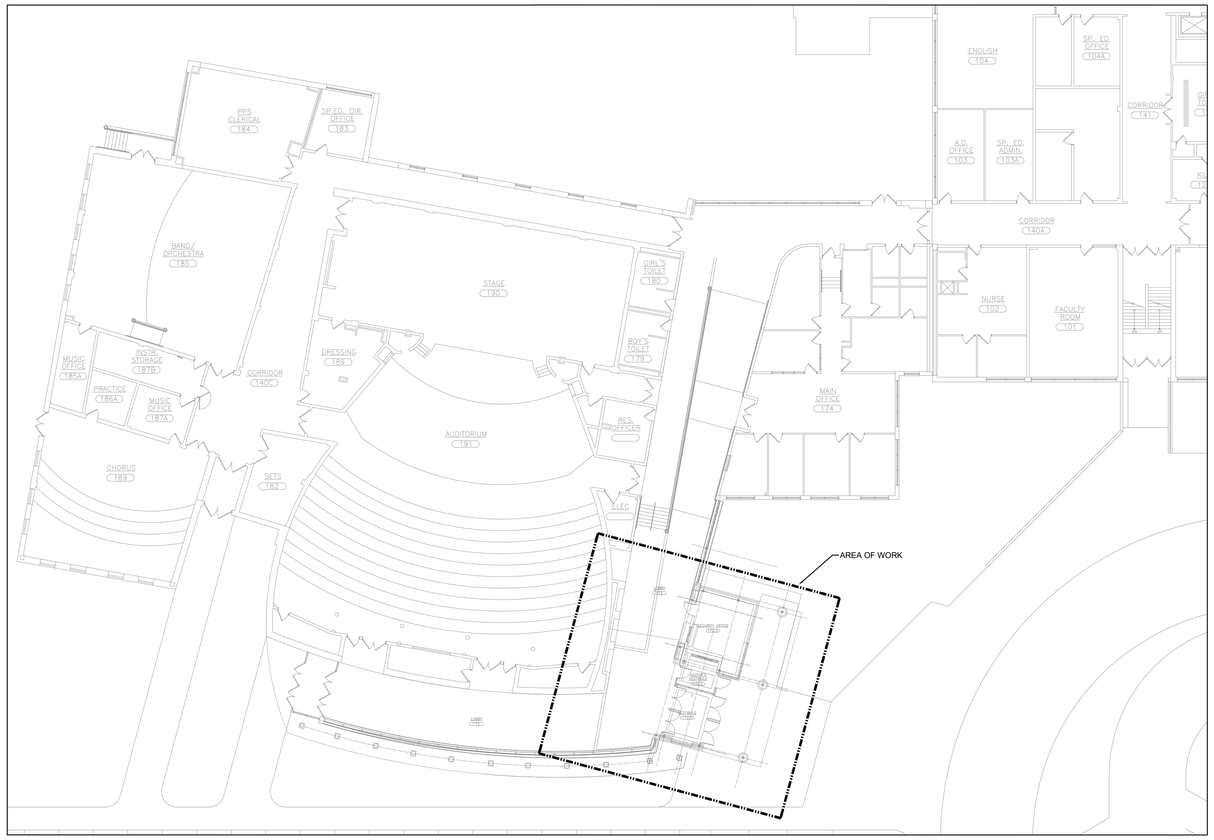
DRAWING TITLE
BASEMENT
PLUMBING PLAN

DATE	ISSUED TO
04-23-2024	BID
10-02-2023	S.E.D. SUBMISSION

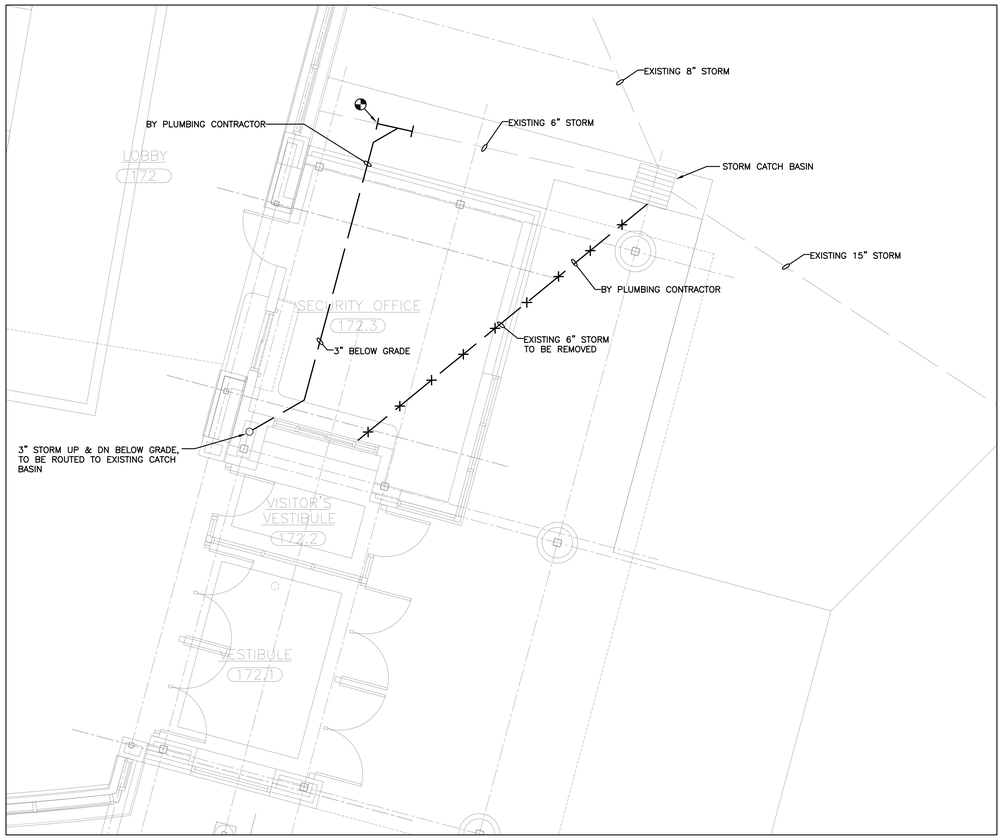
SHEET SIZE	DRAWING NO.
30"x42"	BHS P100
SCALE: AS NOTED	
DRAWN BY: LFG	FILE NO.: 23505.01

PLOT DATE: April 15, 2024 - 10:24am

FILE: N:\Brewster Central Schools\2023 Capital Projects\Brewster HS\PACKAGE 1 - Security Vestibule\ACAD\Plumbing\BREW HS SECURE_P-001_P-100.dwg

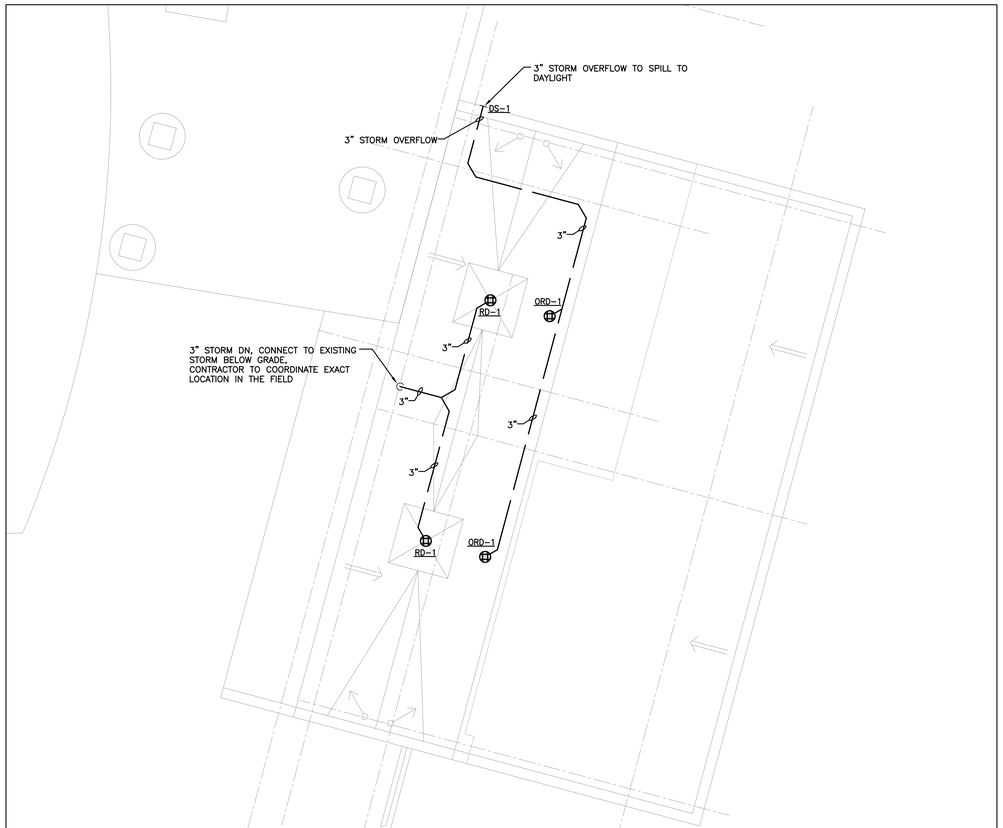


1 PLUMBING FIRST FLOOR KEYPLAN
SCALE: 1/16" = 1'-0"



2 PARTIAL FIRST FLOOR PLUMBING PLAN
SCALE: 1/8" = 1'-0"

3 PLUMBING ROOF KEYPLAN
SCALE: 1/16" = 1'-0"



4 PARTIAL ROOF PLUMBING 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.

FULLER D'ANGELO P.C. ARCHITECTS PLANNERS
48 SCHOLLWOOD ROAD ELMSFORD NEW YORK 10523
TEL: 914.592.4544 FAX: 914.592.1717
www.fullerdangelo.com

LFG LANDMARK FACILITIES GROUP, INC.
252 East Avenue
Norwalk, CT 06855
(203) 866-6644
(203) 866-8019 Fax

LICENCE EXP. DATE: 03-31-2026

S.E.D. CONTROL NUMBER:
BREWSTER HIGH SCHOOL
48-06-01-06-0-004-018

PROJECT TITLE:
BREWSTER CENTRAL SCHOOL DISTRICT
BREWSTER HIGH SCHOOL
SECURITY VESTIBULE, SYNTHETIC FIELD & RELATED WORK
50 FOGGINTOWN ROAD BREWSTER, NY 10509

DRAWING TITLE:
FIRST FLOOR & ROOF KEYPLANS AND PLUMBING PART PLANS

DATE	ISSUED TO
04-23-2024	BID
10-02-2023	S.E.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: BHS P102
SCALE: AS NOTED
DRAWN BY: LFG
FILE NO.: 23505.01

PLOT DATE: April 17, 2024 - 10:12am

FILE: N:\Brewster Central Schools\2023 Capital Projects\Brewster HS\PACKAGE 1 - Security Vestibule\ACAD\Plumbing\BREW HS SECURE_P-102.dwg