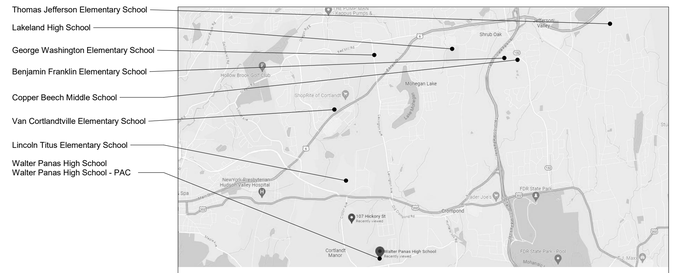
Reconstruction To:

Walter Panas High School
Lakeland High School
Lakeland Copper Beech Middle School

SED Control No. 66-24-01-06-0-015-026
SED Control No. 66-24-01-06-0-011-023
SED Control No. 66-24-01-06-0-012-025



Project Location Map

Lakeland Central School District
Shrub Oak, New York

Drawing List

Walter Panas High School

GENERAL
- G001 Title Sheet
- G100 Symbols and Abbreviations

CODE COMPLIANCE
- AG350 Code Compliance Review, Vintage Key Plan and First Floor Key Plan
- AG351 Additional Travel Distances

HAZARDOUS MATERIALS
- AH-001.00 Asbestos Abatement General Notes
- AH-002.00 Asbestos Abatement Partial First Floor Plan
- AH-003.00 Asbestos Abatement Roof Area Plan

ARCHITECTURAL
- AA050 First Floor Key Plan
- AA100 First Floor Demolition Plan - Area F
- AA130 First Floor Plan - Area F
- AA160 Partial First Floor Reflected Ceiling Plan - Area F
- AA190 Roof Plan and Details
- AA200 Exterior Elevations - Gym Penthouse
- AA300 Library Sections
- AA400 Partial First Floor Area F - Enlarged Library Plan
- AA401 Partial First Floor Area F - Enlarged Classrooms and Plan Details
- AA402 Library Interior Elevations and Details
- AA410 Circulation Desk, Stepped Seating Plans and Details
- AA500 Miscellaneous and Plan Details
- AA600 Door Schedule, Door, Window and Wall Types, and Details
- AA601 Storefront Types and Details
- AA900 Enlarged Plans, Elevations and Details
- AA901 First Floor Plan- Area F- Finish Plans

STRUCTURAL
- AS130 Partial Roof Framing Plan - Area F
- AS500 Typical Details

MECHANICAL
- AM108 Partial First Floor Plans and Roof Plans - Area F
- AM500 Details, Schedule and Controls

ELECTRICAL
- AE050 First Floor Key Plan
- AE105 First Floor Demolition Plan - Area F
- AE130 First Floor Lighting Plan - Area F
- AE160 First Floor Power & Communications Plan - Area F
- AE161 Partial Roof Plans - Area F
- AE205 First Floor Fire Alarm Plan - Area F
- AE500 Details
- AE501 Details
- AE600 Schedules

PLUMBING
- AP050 First Floor Key Plan
- AP400 Partial Floor Plans, Schedules, and Details

Lakeland High School

CODE COMPLIANCE
- CG350 Code Compliance Review and Vintage Key Plan
- CG351 Code Compliance First and Second Floor Key Plan

HAZARDOUS MATERIALS
- CH-001.00 Asbestos Abatement General Notes
- CH-002.00 Asbestos Abatement First Floor Plan
- CH-003.00 Asbestos Abatement Roof Plan and Details

ARCHITECTURAL
- CA050 First Floor Key Plan
- CA051 Roof Key Plan
- CA100 Partial First Floor Demolition Plan - Area C
- CA101 Partial First Floor Demolition Plan - Area D
- CA130 Partial First Floor Plan - Area A and C
- CA131 First Floor Plan - Area D
- CA160 Partial First Floor Reflected Ceiling Plan - Area A, C, D and Details
- CA190 Roof Plan
- CA191 Roof Details
- CA200 Exterior Elevations, Auditorium
- CA201 Exterior Elevations, Gymnasium
- CA300 Library Sections
- CA400 Partial First Floor Plan - Area C and Details
- CA401 Partial First Floor Plan - Area D and Details
- CA402 Library Interior Elevations and Details
- CA410 Ramp and Stair Enlarged Plans and Details
- CA411 Circulation Desk, Stepped Seating and Details
- CA500 Miscellaneous and Plan Details
- CA600 Door Schedule, Door and Window Types, and Details
- CA601 Storefront Types and Details
- CA900 Finish Plans, Elevations and Details
- CA901 First Floor Area D Finish Plans

Lakeland High School

STRUCTURAL
- CS130 Partial First Floor and Roof Framing Plans - Area D
- CS500 Typical Details

MECHANICAL
- CM100 First Floor Plans - Area D
- CM101 Roof Plans - Area D
- CM500 Details, Schedules and Controls

ELECTRICAL
- CE050 First Floor Key Plan
- CE051 Second Floor Key Plan
- CE103 First Floor Demolition Plan - Area D
- CE130 First Floor Lighting Plan - Area D
- CE160 First Floor Power & Communications Plan - Area D
- CE161 Roof Plans - Area D
- CE203 First Floor Fire Alarm Plan - Area D
- CE400 Auditorium Demolition Plans
- CE401 Auditorium Stage Lighting/Rigging Plans
- CE402 Auditorium Stage Lighting Risers
- CE403 Auditorium Stage Rigging Section and Details
- CE500 Details
- CE501 Details
- CE600 Schedules

PLUMBING
- CP050 First Floor Key Plan
- CP051 Roof Plan
- CP400 Partial Floor Plans - Area D, Details, and Schedules

Drawn By:	Date:	Drawing Number:
TTAE	10/13/2023	AA130
Project No.: 276721-23001		

BUILDING DESIGNATOR
DISCIPLINE DESIGNATOR
SHEET TYPE DESIGNATOR
SHEET SEQUENCE DESIGNATOR

TETRA TECH
ARCHITECTS & ENGINEERS

Architecture Engineering Planning for High Performance Facilities

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

The engineer that has signed this document certifies that to the best of their knowledge, information and belief, the asbestos plans and specifications are in accordance with applicable requirements of the New York State Uniform Fire Prevention and Building Code, Construction Standards of the Commissioner of Education, New York State Department of Labor Part 56 of Title 12, and the United States Environmental Protection Agency Hazard Emergency Response ACT Regulations. Robert S. Masone is accredited to the EPA and New York State under AHERA Regulations as an Asbestos Project Designer (Asbestos Handling Certificate Number 92-17140)

To the best of the Architect's knowledge, information and belief, the design of this project conforms to all applicable provisions of the New York State Uniform Fire Prevention and Building Code, the New York State Energy Conservation Code, and the building standards of the New York State Education Department.

BID SET

Volume 1 of 2

276721-23001
10/13/2023

Set No.

Drawing Number:
G001

Site Symbols

- SPOT ELEVATION
- TOP OF CURB ELEVATION / BOTTOM OF CURB ELEVATION
- EXISTING SPOT ELEVATION
- CONTOUR
- EXISTING CONTOUR
- SOIL TEST BORING
- TEST PIT LOCATION
- TREE OR SHRUB
- TREE OR SHRUB TO REMAIN
- TREE OR SHRUB TO BE REMOVED
- ASPHALT PAVING OR TOP COURSE
- HEAVY-DUTY ASPHALT PAVING
- REMOVE AND REPLACE ASPHALT PAVING
- CONCRETE PAVING
- CONCRETE SECTION
- CURBING
- CURBING TO REMAIN
- CURBING TO BE REMOVED
- FENCING
- FENCING TO REMAIN
- FENCING TO BE REMOVED
- SILT FENCING
- TEMPORARY CONSTRUCTION FENCING
- HAY BALES
- TEMPORARY TREE PROTECTION
- UTILITY POLE
- UTILITY POLE TO REMAIN
- UTILITY POLE TO BE REMOVED
- NEW OR RELOCATED FIRE HYDRANT
- FIRE HYDRANT TO REMAIN
- DROP INLET
- CATCH BASIN
- STORM/SANITARY MANHOLE
- DROP INLET TO REMAIN
- MANHOLE/CATCH BASIN/DRYWELL TO REMAIN
- DRYWELL W/ GRATE
- DRYWELL W/ SOLID COVER TO GRADE
- DRYWELL W/ COVER BURIED
- STORM LINE WITH HEADWALL
- STORM LINE WITH ENDWALL
- STORM LINE WITH END SECTION
- STORM PIPE
- STORM PIPE TO REMAIN
- STORM PIPE TO BE REMOVED/ABANDONED
- UNDERDRAIN
- UNDERDRAIN TO REMAIN
- UNDERDRAIN TO BE REMOVED/ABANDONED
- SANITARY LINE
- SANITARY LINE TO REMAIN
- SANITARY LINE TO BE REMOVED/ABANDONED
- GAS LINE
- GAS LINE TO REMAIN
- GAS LINE TO BE REMOVED/ABANDONED
- WATER LINE
- WATER LINE TO REMAIN
- WATER LINE TO BE REMOVED/ABANDONED
- STORM/SANITARY CLEANOUT
- GATE VALVE
- SIGN POST
- UNIVERSAL HANDICAP SYMBOL
- REMOVAL
- RIP-RAP

Architectural Symbols

- EXISTING TO REMAIN
- DEMOLITION WORK
- NEW WORK IN EXISTING (MATERIAL INDICATION VARIES)
- NEW WORK (MATERIAL INDICATION VARIES)
- CMU AND BRICK CAVITY WALL
- CMU WALL
- GYPSUM BOARD PARTITION W/ METAL STUD WALL
- OPERABLE PARTITION
- DOOR NUMBER (ROOM NO W/ DOOR NO)
- WINDOW TYPE
- RELOCATED EQUIPMENT FURNITURE OR CASEWORK NUMBER
- PARTITION TYPE
- BOARD UNIT SYMBOL
- FINISH CHANGE

ROOF SYMBOLS

- AREA OF TAPERED INSULATION
- EXISTING ROOF DRAIN WITH RETROFIT ROOF DRAIN INSERT IN NEW FACTORY-TAPERED SUMP
- EJ/CONTROL JOINT
- TAPERED 1/4"/FT — DIRECTION OF DOWNWARD SLOPE AND DEGREE OF SLOPE OF TAPERED INSULATION (MINIMUM 1/8"/FT, TYP UNO)
- OR — DIRECTION OF DOWNWARD SLOPE OF TAPERED INSULATION CRICKET (MINIMUM 1/4"/FT, TYP UNO)
- SLOPE STRU — DIRECTION OF DOWNWARD SLOPE OF ROLLED OR SLOPED STRUCTURE
- +X" — TOTAL THICKNESS OF INSULATION
- +X" FLAT — TOTAL THICKNESS OF AREA OF FLAT INSULATION
- RS-X — DESIGNATES ROOF SYSTEM TYPE
- WALKWAY PAD
- S-X — SKYLIGHT (REINSTALLED OR REPLACED)
- SMOKE VENT OR ROOF HATCH
- OR — PIPE PENETRATION
- OR — ROOFTOP HOOD ON CURB, TYP
- ROOFTOP EQUIPMENT ON CURB, TYP (SHAPE AND SIZE VARY)

REFLECTED CEILING SYMBOLS

- A 0'-0" — BOTTOM OF CEILING AFF
- CEILING MATERIAL
- CEILING HUNG UNIT VENTILATOR OR CEILING HUNG FAN COIL UNIT
- CEILING RETURN/EXHAUST GRILLE
- CEILING SUPPLY DIFFUSER/GRILLE
- EXIT LIGHT
- 2 X 4 FIXTURE IN 2 X 2 PATTERN

Structural Symbols

- INDICATES AREA IS EXISTING
- INDICATES SLAB IS DEPRESSED OR RECESSED
- [-4'-0] [-3'-0] — TOP OF FTG ELEVATION FROM DATUM / CONTINUOUS FTG
- <-1'-8> — FOUNDATION WALL
- BM POCKET ELEVATION FROM DATUM
- STEPPED FOOTING
- INDICATES PIER TYPE
- P1 (-8) — TOP OF PIER ELEVATION FROM DATUM
- F4 [-3'-0] — TOP OF FOOTING ELEVATION FROM DATUM
- INDICATES FOOTING TYPE REFER TO FOOTING SCHEDULE
- RD — INDICATES A FRAMED ROOF OR FLOOR OPNG COORD SIZE AND LOCATION
- INDICATES FRAMED OPNG IS FOR: RD = ROOF DRAIN ME = MECH EQUIP SL = SKYLIGHT SH = SMOKE HATCH AH = ACCESS HATCH
- ELEVATION FROM DRAWING DATUM
- BEAM SIZE
- NUMBER OF SHEAR STUDS OVER FULL LENGTH OF BEAM
- (-6) 21K — W8X15 — 14 0.7 — (GIR) 21K — INDICATES TOP OF BEAM AT ADJ GIRDER ELEV
- END REACTION- KIPS
- DEFLECTION (INCHES) APPROX W/ WET CONC
- L-2 — LINTEL DESIGNATION SEE SCHEDULE
- INDICATES LINTEL CONNECTION TO COLUMN
- INDICATES MEMBER IS EXISTING
- INDICATES BEAM SPLICE
- INDICATES MOMENT CONNECTION
- OVER COLUMN
- INDICATES SHEAR WALL CONNECTION TO BEAM
- INDICATES BM TO HAVE TOP OF WALL CLIPS
- JOIST DESIGNATION
- 12K3 — INDICATES BEAM/JOIST DESIGNATION
- JOIST
- DIAGONAL BRIDGING
- MASONRY LOAD BEARING WALL
- SHEAR WALL SEE SCHEDULE
- CFMF BEARING WALL
- FIREWALL
- SW1 — WALL TYPE

Mechanical Symbols

- TAG NO. / VALUE — EQUIPMENT TAG (NON-MOTORIZED) / CFM, GPM, CAPACITY
- TAG NO. / VALUE — EQUIPMENT TAG (MOTORIZED)
- TAG NO. / NECK SZ. / CFM — REGISTER, GRILLE, DIFFUSER
- FTR-TYPE / ENC. LENGTH / ELEM. LENGTH / GPM — FIN TUBE RADIATION
- ENCLOSURE NOTED AS: W/W: WALL TO WALL, W/U: WALL TO UNIT, W/D: WALL TO DOOR, ETC...
- SUPPLY DUCT - POSITIVE PRESSURE
- RETURN DUCT - NEGATIVE PRESSURE
- EXHAUST DUCT - NEGATIVE PRESSURE
- 8x8 — DUCTWORK, FIRST VALUE IS SIZE OF SIDE IN VIEW
- DUCT TRANSITION
- DUCT OFFSET
- RECTANGULAR ELBOW W/TURNING VANES
- RECTANGULAR ELBOW
- ROUND DUCTWORK W/ MITERED ELBOW
- RADIUS ELBOW W/ TURNING/SPLITTER VANES
- RADIUS ELBOW
- STANDARD BRANCH DUCT W/VOLUME DAMPER
- ACOUSTICALLY LINED DUCTWORK
- ACOUSTICALLY LINED DUCTWORK (UP/DOWN)
- OR — FLEXIBLE DUCT
- VOLUME DAMPER
- FD — FIRE DAMPER
- SD — SMOKE DAMPER
- FSD — FIRE AND SMOKE DAMPER
- AAD — AUTOMATIC AIR DAMPER
- BDD — BACKDRAFT DAMPER
- EXISTING DUCTWORK
- AIR FLOW
- DUCT AIR FLOW
- EXISTING MECHANICAL EQUIPMENT TO BE REMOVED
- EXISTING MECHANICAL EQUIPMENT
- MECHANICAL EQUIPMENT
- ACCESS CLEARANCE

- ATV — ATMOSPHERIC VENT
- BBD — BOILER BLOW DOWN
- CWS — CHILLED WATER SUPPLY
- CWR — CHILLED WATER RETURN
- CGS — CHILLED GLYCOL SUPPLY
- CGR — CHILLED GLYCOL RETURN
- CD — CONDENSATE DRAIN
- C — CONDENSER WATER SUPPLY
- CR — CONDENSER WATER RETURN
- GS — GLYCOL SUPPLY
- GR — GLYCOL RETURN
- HGS — HOT GLYCOL SUPPLY
- HGR — HOT GLYCOL RETURN
- HPWS — HEAT PUMP SUPPLY
- HPWR — HEAT PUMP RETURN
- HWS — HOT WATER SUPPLY
- HWR — HOT WATER RETURN
- HCS — HOT/CHILLED WATER SUPPLY
- HCR — HOT/CHILLED WATER RETURN
- LPS — LOW PRESSURE STEAM
- LPC — LOW PRESSURE CONDENSATE
- LPWC — LOW PRESSURE STEAM WET (FLOODED) CONDENSATE
- MU — MECHANICAL EQUIPMENT MAKE-UP COLD WATER(NON-POTABLE)
- RS — REFRIGERANT SUCTION
- RL — REFRIGERANT LIQUID
- HG — REFRIGERANT HOT GAS
- PD — PUMP DISCHARGE
- REMOVE EXG. DUCT, PIPING, EQUIPMENT
- EXG — EXISTING HVAC PIPE
- BOTTOM PIPE CONNECTION
- TOP PIPE CONNECTION
- PIPE ELBOW DOWN
- PIPE ELBOW UP
- PIPE DOWN WITH CLEANOUT AT BASE
- PIPE DOWN WITH SHUTOFF VALVE
- CAP OR PLUG
- UNION CONNECTION
- FLANGE CONNECTION
- PIPING REDUCER (CONCENTRIC)
- PIPING REDUCER (ECCENTRIC)
- PIPE ANCHOR
- PIPE GUIDE
- EXPANSION COMPENSATOR
- EXPANSION JOINT
- FLEX CONNECTOR
- TEMPERATURE OR PRESSURE PROBE WELL
- THERMOMETER
- P — PRESSURE SWITCH
- P — PRESSURE GAUGE
- TP — TEMPERATURE/ PRESSURE GAUGE
- MANUAL AIR VENT
- AV — AUTOMATIC AIR VENT
- SV — STEAM VENT
- VB — VACUUM BREAKER
- F — FLOW SWITCH
- M — FLOW METER
- ORIFICE METER
- VENTURI FLOW METER
- WYE STRAINER
- WYE STRAINER WITH BLOW DOWN VALVE
- DIRECTION OF FLOW
- PIPE BREAK
- M — WATER METER

- BASKET STRAINER
- DUPLEX BASKET STRAINER
- A — AQUASTAT
- D — PITCH PIPING (DOWN)
- AUTOMATIC FLOW CONTROL VALVE
- BACKFLOW PREVENTER
- B — BALANCING VALVE
- BALL VALVE
- EXISTING BALL VALVE
- BUTTERFLY VALVE
- CHECK VALVE
- 2-WAY CONTROL MODULATING VALVE
- 3-WAY CONTROL, MODULATING VALVE (INSTALL STEM VERTICAL)
- 3-WAY CONTROL, THERMOSTATIC MIXING VALVE (SELF-CONTAINED)
- S — SOLENOID (ELECTRIC) ON/OFF
- M — MOTORIZED MODULATING VALVE
- FUSIBLE LINK VALVE
- GAS PRESSURE REGULATOR VALVE
- TRIPLE DUTY VALVE
- GATE VALVE
- GLOBE VALVE
- OS&Y GATE VALVE
- PLUG VALVE
- PRESSURE REDUCING VALVE
- PRESSURE RELIEF VALVE
- T — STEAM TRAP
- THERMOSTATIC STEAM TRAP
- FT — FLOAT AND THERMOSTATIC STEAM TRAP
- B — BUCKET STEAM TRAP
- AIR SEPARATOR
- CIRCULATING PUMP
- WATER HAMMER ARRESTOR
- CLEANOUT PLUG
- CODP — CLEANOUT DECK PLATE
- FIRE RISER VALVE ASSEMBLY
- BS — BURNER SHUT OFF
- H — HUMIDISTAT
- H S — HUMIDITY SENSOR
- H SG — HUMIDITY SENSOR W/ GUARD
- P S — PRESSURE SENSOR
- P SG — PRESSURE SENSOR W/ GUARD
- S — SWITCH
- T — THERMOSTAT
- T G — THERMOSTAT W/ GUARD
- T S — TEMPERATURE SENSOR
- CO2 — CO2 SENSOR
- POC — POINT OF CONNECTION
- FIRE DEPARTMENT CONNECTION

- CONNECTION TO EXISTING PIPING
- PLATE STRAINER
- HOSE BIBB
- CA — COMPRESSED AIR
- LV — LABORATORY VENT
- LW — LABORATORY WASTE
- LW — LABORATORY WASTE (BURIED)
- V — VENT
- SAN — SANITARY (ABOVE GRADE)
- SAN — SANITARY (BURIED)
- IW — INDIRECT WASTE
- ST — STORM (ABOVE GRADE)
- ST — STORM (BURIED)
- SP — FIRE STANDPIPE
- F — FIRE MAIN
- SPRK — FIRE SPRINKLER
- EXISTING COLD WATER
- EXISTING HOT WATER
- EXG HOT WATER RETURN
- 110° HW — EXISTING 110° HOT WATER
- 140° HW — EXISTING 140° HOT WATER
- 180° HW — EXISTING 180° HOT WATER
- COLD WATER
- HOT WATER
- HOT WATER RETURN
- 110° HW — 110° HOT WATER
- 140° HW — 140° HOT WATER
- 180° HW — 180° HOT WATER
- TW — TEMPERED (HOT) WATER
- RAW — RAW WATER
- SW — SOFT WATER
- DE — DEIONIZED WATER
- DI — DISTILLED WATER
- G — GAS
- P — PROPANE
- D — DIESEL FUEL
- U — UNLEADED GASOLINE
- FOS — EXG FUEL OIL SUPPLY
- FOS — FUEL OIL SUPPLY
- FOR — EXG FUEL OIL RETURN
- FOR — FUEL OIL RETURN
- FOV — EXG FUEL OIL VENT
- FOV — FUEL OIL VENT
- MU — MECHANICAL EQUIPMENT MAKE-UP COLD WATER (NON-POTABLE)
- EXISTING ROOF DRAIN
- ROOF DRAIN REPLACING EXG
- ROOF DRAIN
- SCUPPER ROOF DRAIN
- EXG PLUMBING FIXTURE TO BE REMOVED
- EXG PLUMBING FIXTURE
- PLUMBING FIXTURE
- FLOOR DRAINS
- FLOOR SINK
- WALL HYDRANT
- FIRE HOSE CABINET
- UPRIGHT SPRINKLER HEAD
- PENDANT SPRINKLER HEAD
- CONCEALED SPRINKLER HEAD
- RECESSED SPRINKLER HEAD
- SIDEWALL SPRINKLER HEAD

Electrical and Technology Symbols

- # — LIGHT FIXTURE # DENOTES TYPE
- # — LIGHT FIXTURE # DENOTES TYPE
- RETROFITTED LIGHT FIXTURE AS NOTED
- # — COMBINATION EXIT/EMERGENCY LIGHT # DENOTES TYPE
- # — EMERGENCY LIGHT W/BATTERY PACK # DENOTES TYPE
- # — EMER. LIGHT/WALL MOUNT # DENOTES TYPE
- EMERGENCY FIXTURE # DENOTES TYPE
- # — EMERGENCY FIXTURE # DENOTES TYPE
- # — EXIT LIGHT- CEILING MOUNTED # DENOTES TYPE
- # — EXIT LIGHT -WALL MOUNTED # DENOTES TYPE
- DLS — DAYLIGHT SENSOR
- AR # — AREA OF RESCUE LIGHT FIXTURE # DENOTES TYPE
- # — POLE MOUNTED SITE LIGHT # DENOTES TYPE
- LIGHT SWITCH (LINE VOLTAGE): K - KEY OPERATED; 3 - 3 WAY; 4 - 4 WAY
- LIGHT SWITCH (LOW VOLTAGE)
- TC — TIME CLOCK
- OS — OCCUPANCY SENSOR
- VS — VACANCY SENSOR
- PC — PHOTO CELL
- LC — LIGHTING CONTROL
- F — FIRE ALARM MANUAL PULL STATION
- S — FIRE ALARM STROBE LIGHT
- F F — FIRE ALARM HORN-W/STROBE W/O STROBE
- S — SMOKE DETECTOR
- B — BEAM SMOKE DETECTOR
- S D — DUCT SMOKE DETECTOR
- H — RATE OF RISE HEAT DETECTOR
- H F — FIXED HEAT DETECTOR
- CM — CARBON MONOXIDE DETECTOR
- DH — MAGNETIC DOOR HOLDER
- A — FIRE ALARM / VOICE NOTIFICATION SPEAKER (WALL)
- A — FIRE ALARM / VOICE NOTIFICATION SPEAKER (CEILING)
- A — FIRE ALARM / VOICE NOTIFICATION SPEAKER STROBE (CEILING)
- A — FIRE ALARM / VOICE NOTIFICATION SPEAKER STROBE (WALL)
- A — FIRE ALARM / VOICE NOTIFICATION STROBE (WALL)
- R — RELAY
- RTS — REMOTE INDICATOR TEST SWITCH
- FS — SPRINKLER FLOW SWITCH
- TS — SPRINKLER TAMPER SWITCH
- FAA — FIRE ALARM ANNUNCIATOR PANEL
- FACP — FIRE ALARM CONTROL PANEL
- FAGA — FIRE ALARM GRAPHIC ANNUNCIATOR
- CS — CONTROL STATION- TYPE AS DESCRIBED ON DWGS.
- HCL — HOUSE LIGHTING CONTROL STATION
- DCR — DIMMER CONTROL OUTLET
- AR — AREA OF RESCUE STATION
- MJ — MICROPHONE JACK
- SJ — SPEAKER JACK
- P — HOUSE LIGHT PANIC STATION
- AI — AUDITORIUM INTERCOM
- S — COMBINATION CLOCK/SPEAKER
- CLOCK
- EXISTING TELEPHONE
- TELEPHONE OUTLET: W - WALL MOUNT AT 54" AFF; IC - INTERCOM SOUND SYSTEM HAND SET; BLANK - WALL MOUNT AT 16" AFF; FLOOR TELEPHONE OUTLET
- INTERCOM CALL SWITCH
- AP — WIRELESS ACCESS POINT
- CO — COMPUTER OUTLET
- AV — AUDIO/VIDEO OUTLET
- PROJECTOR MOUNTING TILE

- CABLE TRAY - LADDER TYPE
- CABLE TRAY - BASKET TYPE
- SR — SURFACE RACEWAY TYPE AS DESCRIBED ON DWGS.
- CI — COMMUNICATION INTERFACE OUTLET
- S — CEILING MOUNT SPEAKER
- S — WALL MOUNT SPEAKER
- VC — VOLUME CONTROL
- H — HORN SPEAKER
- P — PROGRAM BELL
- FB — FLOOR BOX
- DR — DOOR RELEASE
- SE — SECURITY ALARM HORN
- SE — SECURITY SENSOR: GB - GLASS BREAK; MD - MOTION DETECTOR; SD - SOUND DETECTOR
- DC — SECURITY DOOR CONTACT
- KP # — SECURITY SYSTEM KEYPAD # DENOTES DESIGNATION
- # — SECURITY CAMERA # DENOTES DESIGNATION
- REX — SECURITY REQUEST TO EXIT SENSOR
- PS # — LOW-VOLTAGE POWER SUPPLY # DENOTES DESIGNATION
- ELH — SECURITY ELECTRIC LOCKING HARDWARE
- IC # — DOOR INTERCOM CALL STATION # DENOTES DESIGNATION
- CR # — ACCESS CONTROL CARD READER # DENOTES DESIGNATION
- ADA — ADA PUSH BUTTON
- MON — SECURITY CCTV MONITOR
- DB — SECURITY DURESS BUTTON
- EXISTING PANEL TO REMAIN
- EXISTING PANEL TO REPLACE
- NEW PANEL
- SPD — SURGE PROTECTION DEVICE
- MOTOR
- LABEL # — NEW MOTOR SEE SCHEDULE FOR DESCRIPTION
- PB — PULL BOX
- J — JUNCTION BOX
- H — HAND/HAIR DRYER
- SINGLE RECEPTACLE
- DUPLEX RECEPTACLE
- DOUBLE DUPLEX RECEPTACLE
- SPECIAL PURPOSE RECEPTACLE
- DUPLEX FLOOR RECEPTACLE
- CR — CORD REEL
- TELE./DATA POWER POLE
- NON-FUSED DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- MOTOR STARTER
- COMBINATION STARTER
- C — CONTACTOR
- CB — ENCLOSED CIRCUIT BREAKER
- EQUIPMENT CONNECTION
- EMERGENCY OFF BUTTON
- T# — TRANSFORMER # DENOTES DESIGNATION REFER TO RISER DIAGRAM
- P — UTILITY POLE
- UT — UNDERGROUND TELEPHONE
- T — OVERHEAD TELEPHONE
- UTV — UNDERGROUND TELEVISION
- TV — OVERHEAD TELEVISION
- UL — UNDERGROUND LIGHTING
- L — OVERHEAD LIGHTING
- UE — UNDERGROUND ELECTRIC
- E — OVERHEAD ELECTRIC
- UC — UNDERGROUND COMMUNICATIONS
- C — OVERHEAD COMMUNICATIONS

Symbol Tags

- F — = REMOVE EXISTING
- F E — = EXISTING TO REMAIN
- F RL — = RELOCATE EXISTING
- F RE — = REPLACE EXISTING

TYPICAL FOR ALL ELEC SYMBOLS

AC = ABOVE CEILING
AUX = AUXILIARY CONTACT
WP = WEATHERPROOF
WG = WIRE GUARD
A = ABOVE (CASEWORK)
B = BELOW (CASEWORK)
H = HORIZONTAL
TK = TOE KICK
TS = TEACHER STATION
USB = UNIVERSAL SERIAL BUS

Standard Symbols

- 2 / A112 — STANDARD REFERENCE BUBBLE: DETAIL NUMBER / DRAWING NUMBER
- Floor Plan — 1/8"=1'-0" — DRAWING TITLE & SCALE
- 2 A112 — BUILDING SECTION
- CLL — CONTRACT LIMIT LINE
- ADA 5' TURNING RADIUS
- 100'-0" 1st FF — ELEVATION CALL OUT
- 2 A112 — WALL SECTION
- 2 A12 — ELEVATION
- 1 4 A112 2 3 — INTERIOR ELEVATION
- 2 A112 — DETAIL
- NORTH ARROW
- CLASSROOM 101 — ROOM NAME AND NUMBER
- PROPERTY LINE
- CUT LINE
- A — COLUMN CENTER LINE
- CENTER LINE
- A A / B B — MATCH LINE
- 5 — DRAWING REVISION NUMBER
- EARTH
- GRAVEL
- SAND
- CONCRETE
- NEW ASPHALT PAVING OR TOP COURSE
- NEW HEAVY-DUTY ASPHALT PAVING
- REMOVE AND REPLACE ASPHALT PAVING
- BRICK
- CONCRETE MASONRY UNITS
- STONE
- FINISHED WOOD TRIM
- PLYWOOD
- INSULATION (LOOSE OR BATT)
- ROUGH WOOD
- STRUCTURAL GLAZED TILE
- RIGID INSULATION
- METAL, STEEL
- TERRAZZO
- ACOUSTICAL PANEL
- CERAMIC TILE
- RESILIENT FLOORING
- GLASS (LARGE SCALE)
- PLASTER, CEMENT, GROUT, GYPSUM WALL BOARD

SED Control No. 66-24-01-06-0-015-026
SED Control No. 66-24-01-06-0-011-023
SED Control No. 66-24-01-06-0-012-025

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

TETRA TECH
ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

Reconstruction To:
Walter Panas High School,
Lakeland High School,
Lakeland Copper Beech Middle School

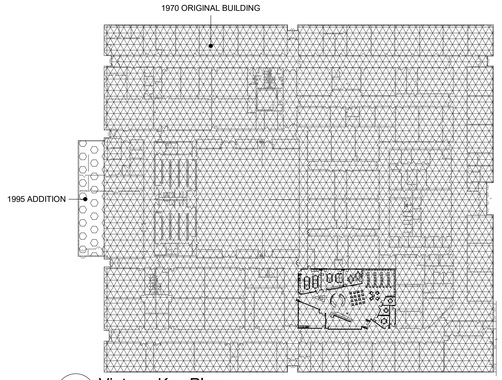
Symbols and Abbreviations

Drawn By:	Date:	Drawing Number:
	10/13/2023	G100

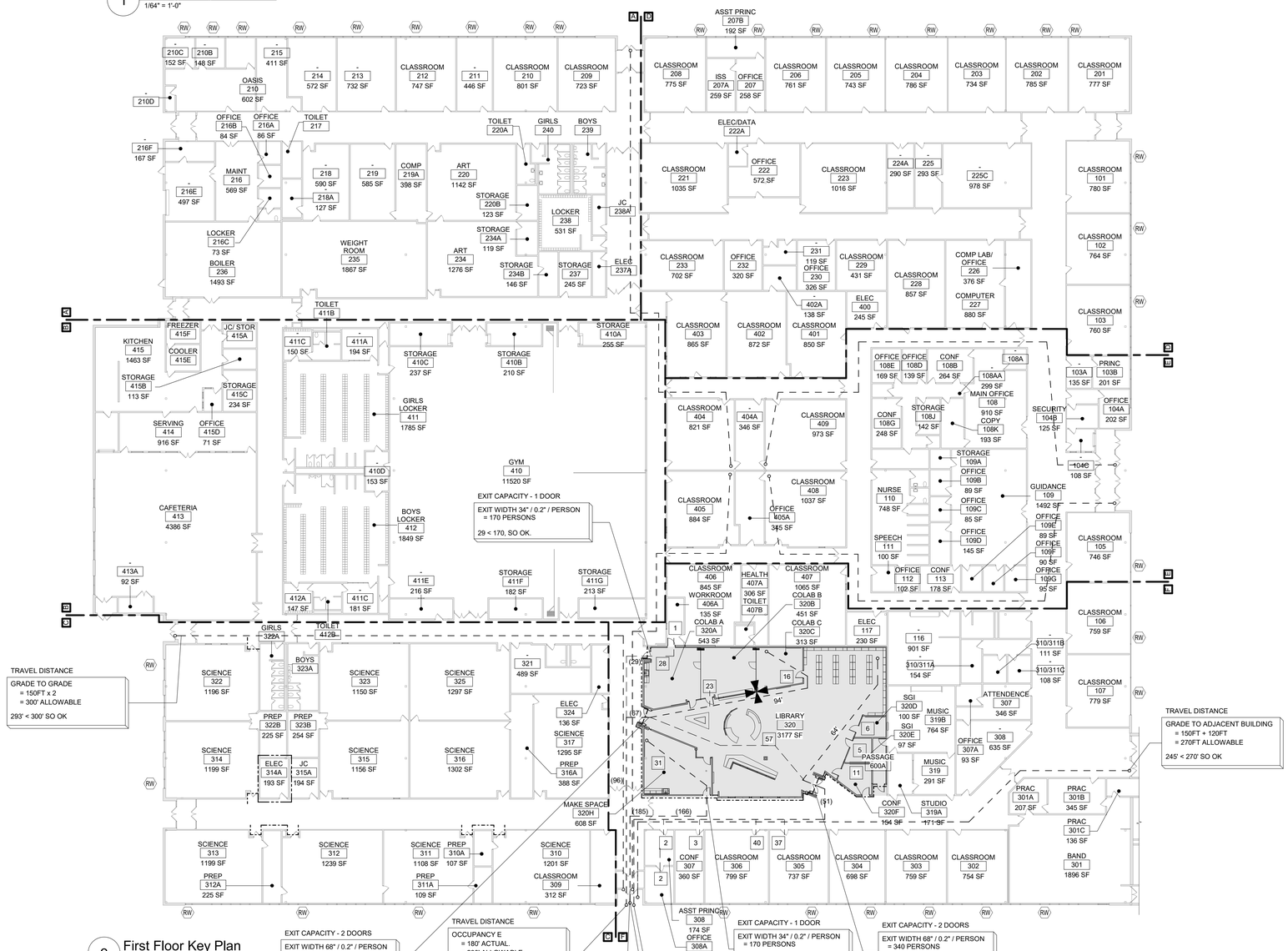
Project No.: 276721-23001

Abbreviations

A		BD	BOARD	CHUV	CEILING HUNG UNIT VENTILATOR	DDC	DIRECT DIGITAL CONTROL	EOD	EDGE OF DECK	FR	FRAME, FLOOR REGISTER	HPR	HEAT PUMP LOOP WATER RETURN	MTD	MOUNTED	POC	POINT OF CURVATURE, POINT OF CONNECTION	REV	REVISION, REVISED, REVEAL	SMH	SANITARY MANHOLE	TOM	TOP OF MASONRY	VERT	VERTICAL
A/S	AIR SEPARATOR	BDD	BACKDRAFT DAMPER	CI	CAST IRON	DE	DELONIZED WATER	EOS	EDGE OF SLAB	FRA	FRESH AIR	HPS	HEAT PUMP LOOP WATER SUPPLY	MTG	MOUNTING	POL	POLISHED	RF	RUBBER FLOORING	SOG	SLAB ON GRADE	TOP	TOP OF PIPE, TOP OF PIER	VEST	VESTIBULE
AAC	ASBESTOS ABATEMENT CONTRACTOR	BF	BACK FLOW PREVENTER	CIP	CAST IN PLACE	DEG	DEGREES	EQ	EQUAL, EQUIVALENT	FRE	FIRE RESISTANT COATING	HR	HANDRAIL, HOUR	MTH	MARBLE THRESHOLD	POS	POSITIVE	RFG	ROOFING	SP	STATIC PRESSURE, STAND/PIPE, SPACE (ING) (ES)	TOS	TOP OF STEEL, TOP OF STAIR	VIF	VERIFY IN FIELD
AAD	AUTOMATIC AIR DAMPER	BG	BUTTERFLY GRILLE	DEMO	DEMOLISH	EQC	EQUIPMENT CONTRACTOR	FRP	FIBERGLASS REINFORCED PANEL	HT	HEIGHT	MTL	METAL	POT	POINT OF TANGENCY	RFH	ROOF HATCH	SPEC	SPECIFICATION (S)	TPART	TOILET PARTITION	VIN	VINYL
AB	ANCHOR BOLT, AIR BARRIER	BIT	BITUMINOUS	DEP	DEPRESS (ED) (ION)	EQUIP	EQUIPMENT			HTG	HEATING	MTR	METER	PR	PAIR	RFM	RECESSED FLOOR MAT	SPKR	SPRINKLER	TR	TOP REGISTER	VIT	VITREOUS TILE
AC	AIR CONDITIONER, ALTERNATING CURRENT	BLDG	BUILDING	DET	DETAIL (ED)	ES	EXPOSED SURFACE, EXPOSED STRUCTURE	FRT	FIRE RETARDANT	HV	HIGH VOLTAGE	MULL	MULLION	PRE	POWER ROOF EXHAUSTER	RG	RETURN GRILLE	SPL	SPECIAL	TRN	TRANSOM	VR	VENEER
ACCMP	ASPHALT COATED CORR METAL PIPE	BLK	BLOCK	DF	DRINKING FOUNTAIN			FS	FLOOR SINK	HVAC	HEATING/VENTILATING/AIR CONDITIONING	MVEJ	MASONRY VENEER EXPANSION JOINT	PREP	PREPARE (ATION)	RGS	RIGID GALVANIZED STEEL	SQ	SQUARE	TS	TOP OF STAIR	VOL	VOLUME
ACM	ASBESTOS CONTAINING MATERIAL	BLKG	BLOCKING	DH	DOUBLE HUNG	ESF	ELASTIC SHEET FLASHING	FSD	FIRE AND SMOKE DAMPER	HVU	HEATING AND VENTILATING UNIT	LG	LENGTH, LONG	PRF	PREFORMED	RH	RIGHT HAND	SS	STAINLESS STEEL	TV	TELEVISION	VTR	VENT THROUGH ROOF
		BM	BEAM	DHU	DEHUMIDIFICATION UNIT	ESM	ELASTIC SHEET MEMBRANE	FT	FEET, FLOOR TREATMENT			LGI	LARGE GROUP INSTRUCTION	PROJ	PROJECT	RHC	REHEAT COIL	SST	STRUCTURAL STEEL TUBING	TW	TEMPERED WATER, TOP OF	VWC	VINYL WALL COVERING
ACT	ACOUSTICAL CEILING TILE	BO	BY OTHERS	DI	DROP INLET, DUCTILE IRON, DISTILLED WATER	EW	EVAPORATIVE WATER	FTG	FOOTING	HW	HOT WATER	LH	LEFT HAND	N	NORTH	PS	PAINT EXPOSED STRUCTURE/DECK	RI	ROUGHIN	ST	STORM, STORAGE	TYP	TYPICAL	W	WALL
ACU	AIR CONDITIONING UNIT	BOD	BOTTOM OF DUCT	DIA	DIAMETER	EWC	ELECTRIC WATER COOLER	FTR	FIN TUBE RADIATION	HWP	HOT WATER PUMP	LIN	LINEAR	NAT	NATURAL			RL	RAIN LEADER	STA	STATION	U		W	WEST, WIDTH, WIDE, WASTE, WATT
AD	AREA DRAIN	BOF	BOTTOM OF FOOTING	DIAG	DIAGONAL	EWT	ELECTRIC WATER TEMPERATURE	FV	FLUSH VALVE	HWR	HOT WATER RETURN	LK	LOOKER	NC	NORMALLY CLOSED			RLG	RAIL(ING)	STC	SHOWER TEMPERATURE CONTROLLER, STAINED CONCRETE	UC	UNDERCUT	W/	WITH
ADA	AMERICAN DISABILITIES ACT	BOS	BOTTOM OF STEEL	DIM	DIMENSION	EXG	EXISTING	G	GAS, GLYCOL	HWS	HOT WATER SUPPLY	LL	LIVE LOAD	NEC	NATIONAL ELECTRIC CODE	PSF	POUNDS PER SQUARE FOOT	RM	ROOM			UD	UNDERDRAIN	W/O	WITHOUT
ADD	ADDENDUM	BOT	BOTTOM	DISP	DISPENSER	EXH	EXHAUST	GAL	GALLON	I		LP	LOW PRESSURE	NEG	NEGATIVE	PSI	POUNDS PER SQUARE INCH	RMC	RIGID METAL CONDUIT			UE	UNDERGROUND ELECTRIC	WB	WET BULB
ADDL	ADDITIONAL	BPL	BEARING PLATE	DIST	DISTANCE	EXP	EXPANSION	GALV	GALVANIZED	ID	INSIDE DIAMETER	LPC	LOW PRESSURE CONDENSATE	NEUT	NEUTRALIZATION	PT	POINT, PORCELAIN TILE	RNC	RIGID NONMETALLIC CONDUIT			UG	UNDERGROUND	WC	WATER CLOSET, WALL COVERING
ADDN	ADDITION	BR	BOTTOM REGISTER	DIV	DIVISION	EXT	EXTERIOR, EXTERNAL	GASK	GASKET (ED)	IE	INVERT ELEVATION	LPS	LOW PRESSURE STEAM	NIC	NOT IN CONTRACT	PTD	PAINTED	RT	RUNNING TRAP	STD	STANDARD	UH	UNIT HEATER		
ADH	ADHESIVE	BRDG	BRIDGING	DL	DEAD LOAD	F		GC	GENERAL CONTRACT (OR)	IN	INCHES	LPT	LOW POINT	NOM	NOMINAL	PTFR	PRESSURE TREATED FIRE RETARDANT	RO	ROUGH OPENING	STL	STEEL	UNF	UNFINISHED	WD	WOOD, WOOD FLOORING
ADJ	ADJACENT	BRG	BEARING	COL	COLUMN			GCMU	GLAZED CONCRETE MASONRY UNIT	INCL	INCLUDE (D) (ING)	LVL	LAMINATED SHEET	NRC	NOISE REDUCTION COEFFICIENT	PTP	PRESSURE TREATED PRESERVATIVE	ROW	RIGHT OF WAY	STN	STAIN (ED)	UNIF	UNIFORM	WDW	WINDOW
ADR	ACCESS DOOR	BRK	BRICK	COMB	COMBINATION	DN	DOWN	GND	GROUND	INS	INSULATE (D) (ION)	LT	LIGHT, LINOLEUM TILE					RPM	REVOLUTIONS PER MINUTE	STOR	STORAGE	UNO	UNLESS NOTED OTHERWISE	WDWC	WINDOW CONTRACTOR
AESS	ARCH EXPOSED STRUCTURAL STEEL	BRSH	BRICKSHELF	COMP	COMPRESS (ED) (ION) (IBLE), COMPOSITE	DO	DITTO	GRD	GRADE CLEANOUT GF	INT	INTERIOR	LTL	LINTEL	PVC	POLYVINYL CHLORIDE			RR	REMOVE EXISTING AND REPLACE WITH NEW	STRU	STRUCTURAL	UR	URINAL	WF	WASH FOUNTAIN
AFF	ABOVE FINISH FLOOR	BRZ	BRONZE	CONC	CONCRETE	DP	DAMPPROOF (ING)	GROUP	GROUND FACE	INV	INVERT	LVR	LOUVER	PVMT	PAVEMENT			RS	RUBBER STAIR TREAD/RISER	SURF	SURFACE	UT	UNDERGROUND TELEPHONE	WG	WALL GRILLE, WATER GAUGE
AH	ACCESS HATCH	BSPL	BACKSPLASH	COND	CONDENSATE	DPR	DAMPER	GL	GLASS, GLAZING	IP	IRON PIPE	LW	LAVATORY WASTE	PWE	POWER WALL EXHAUSTER			RTH	ROOF TOP HOOD	SUSP	SUSP(US)PENDED	UV	UNIT VENTILATOR	WH	WALL HUNG, WALL HYDRANT
AHU	AIR HANDLING UNIT	BT	BENT	CONN	CONNECTION	DR	DOOR, DEEP RIB	GLD	GALLONS PER MINUTE	IPS	IRON PIPE SIZE	LWT	LEAVING WATER TEMPERATURE	Q				RTU	ROOF TOP UNIT	SV	SHEET VINYL, STEAM VENT	V		WHA	WATER HAMMER ARRESTOR
AIB	AIR INFILTRATION BARRIER	BTU	BRITISH THERMAL UNITS	CONST	CONSTRUCTION	DS	DOWNSPOUT, DRAINAGE STRUCTURE	GPM	GALLONS PER MINUTE	IW	INDIRECT WASTE			QF	QUARTZ FLOORING			RW	RAW WATER	SW	SWITCH, SOFTENED WATER	V	VENT, VOLT	WHR	WROUGHT IRON
ALT	ALTERNATE	BTUH	BRITISH THERMAL UNITS PER HOUR	CONT	CONTINUOUS	DT	DRAIN TILE	GR	GRADE (ING), GLYCOL RETURN			M		QT	QUARRY TILE			S		SWG	SERVICE WEIGHT CAST IRON	VAR	VARIES, VARIABLE	WM	WIREMOLD
ALTB	ACOUSTICALLY LINED TRANSFER BOX	BUR	BUILT-UP ROOFING	CONTR	CONTRACT (OR)	DTA	DOVETAIL ANCHOR	GS	GLYCOL SUPPLY	J		MAN	MANUAL	R				SAN	SANITARY	SYM	SYMMETRICAL	VARN	VARNISH	WP	WATER PROOFING, WORKING POINT
ALTN	ALTERATION ALUM ALUMINUM	BW	BOTTOM OF WALL	COORD	COORDINATE	DTL	DETAIL	GT	GRAVEL	JAN	JANITORS CLOSET	MAS	MASONRY	RAD	RADIATION			SAS	SMOOTH ALL SIDES	SYN	SYNTHETIC	VAT	VINYL ASBESTOS TILE	WR	WATER REPELLENT, WIDE RIB, WALL REGISTER
AMP	AMPERE	BWC	BACK WATER CHECK VALVE	CORR	CORRUGATED, CORRIDOR	DTR	DUAL TEMPERATURE RETURN	GWB	GYPSUM WALL BOARD	JB	JUNCTION BOX	MAT	MATERIAL	RA	RETURN AIR			SC	SOLID CORE, SILL COCK, SEALED CONCRETE	SYS	SYSTEM	VAV	VARIABLE AIR VOLUME		
ANOD	ANODIZED	C		COWP	CLEAN OUT WALL PLATE	DTS	DUAL TEMPERATURE SUPPLY	GYP	GYPSUM	JC	JANITORS CLOSET	MAV	MAKE UP AIR UNIT	RAF	RETURN AIR FAN, RESILIENT ATHLETIC FLOORING					T	TREAD, TOP, TOILET ROOM, TOWEL TERRAZZO	VB	VACUUM BREAKER, VAPOR RETARDER BARRIER, VOLLEYBALL	WS	WATER STOP
ANT	ACID NEUTRALIZATION TANK	C	CONDUIT, CONVECTOR, CONDENSOR, COMMON, CARPET	C



1 Vintage Key Plan
1/64" = 1'-0"



2 First Floor Key Plan
3/64" = 1'-0"

Code Compliance Review

PROJECT LOCATION:
300 CROTON AVENUE, CORTLANDT MANOR, NEW YORK 10567
BOUNDED BY CROTON AVE TO THE WEST AND SOUTH AND PARKWAY COLONY TO THE EAST.

PROJECT DESCRIPTION:
THIS PROJECT INCLUDES RENOVATION OF APPROXIMATELY 6,370 SF OF SPACE.

WORK GENERALLY CONSISTS OF THE FOLLOWING:
ALTERATIONS - LEVEL 1
- REPLACE SKYLIGHTS
- REPLACE ROOF TOP UNIT

ALTERATIONS - LEVEL 2
- LIBRARY/MEDIA CENTER RENOVATION
- FIRE ALARM SYSTEM UPGRADE
- ADD SOLAR TUBE SKYLIGHT

APPLICABLE CODES AND STANDARDS:

BASED ON THE SED MANUAL OF PLANNING STANDARDS 2022, NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE INCLUDING APPLICABLE 2018 ICC CODES, 2020 BUILDING CODES of NYS, AND ICC A117.1-2017 STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES.

REFER TO PROJECT MANUAL FOR REQUIREMENTS STATED IN "NYCRR 155 REGULATIONS OF THE COMMISSIONER OF EDUCATION".

BUILDING DATA:

BUILDING: WALTER PANAS HIGH SCHOOL
300 CROTON AVENUE
CORTLANDT MANOR, NY 10567

DESCRIPTION: SINGLE STORY MASONRY AND REINFORCED CONCRETE BUILDING.

YEAR BUILT: 1970 (FUDGE UNDERHILL BATTOGLIA ARCHITECTS ENGINEERS)
ADDITION: 1995 (WARREN & PANZER ENGINEERS, PC)

BUILDING AREA: 1ST FLOOR 149,830 SQFT

TOTAL GROSS AREA= 149,830 SQFT

CODE DATA SUMMARY:

BUILDINGS ARE BELIEVED TO HAVE BEEN CONSTRUCTED AND SUBSEQUENT ALTERATIONS MADE IN COMPLIANCE WITH CODES IN EXISTENCE AT THAT TIME.

USE GROUP: E : EDUCATION

CONSTRUCTION TYPE -

EXISTING: IIB

FIRE SAFETY: PARTIALLY EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM.

WORK AREA:

LOCATION	AREA	% OF TOTAL
1ST FLOOR	6,370 SQFT	4.25%

CORRIDOR DOORS: ALL CORRIDOR DOORS SCHEDULED TO BE REPLACED SHALL HAVE MINIMUM FIRE DOOR ASSEMBLY RATING OF 20 MINUTES IN ACCORDANCE WITH SECTION 716.5

PATH OF CODE COMPLIANCE:

2018 IEBC CODES AND 2020 EXISTING BUILDING CODE of NYS
301.1.2 WORK AREA COMPLIANCE METHOD

CHAPTER 5 - CLASSIFICATION OF WORK
503 ALTERATION - LEVEL 1 (CHAPTER 7)
504 ALTERATION - LEVEL 2 (CHAPTER 8)

NEW CONSTRUCTION WILL COMPLY WITH REQUIREMENTS OF 2018 ICC CODES AND 2020 BUILDING CODES OF NYS

EXIT TRAVEL DISTANCE (PER MANUAL OF PLANNING STANDARDS S107-1.B):
FOR EXIT TRAVEL DISTANCE - SEE AG350.

STAIR AND OTHER EXIT WIDTH CALCULATIONS (PER 1005.3.1 AND 1005.3.2):
FOR EXIT TRAVEL DISTANCE - SEE AG350.

CORRIDOR ENCLOSURES (PER TABLE 1020.1):
FOR CORRIDOR FIRE RESISTANCE - SEE ENLARGED PLANS, PARTITION TYPES AND DOOR SCHEDULE. ALL CROSS CORRIDOR PARTITIONS ARE SMOKE PARTITIONS AND EXTEND FROM FINISH FLOOR TO DECK ABOVE.

INTERIOR FINISH REQUIREMENTS:

ALL FINISHES IN CORRIDORS AND ASSEMBLY SPACES SHALL HAVE A FIRE HAZARD CLASSIFICATION PER MANUAL OF PLANNING STANDARDS SECTION S203-1 a. AND b.

RESCUE LABEL / SIGNAGE NOTES:

1. REFER TO PLANS FOR RESCUE WINDOW LOCATIONS.
2. REFER TO SIGNAGE SPECIFICATION AND SIGNAGE DRAWINGS FOR TYPES AND LOCATIONS.

   PROVIDE MAX OCCUPANCY SIGNS FOR THE FOLLOWING:

ROOM NAME	OCCUPANCY
LIBRARY	177

   PROVIDE WARNING SIGN AT ALL MOVABLE PARTITIONS. SEE PROJECT MANUAL SECTION 01 35 26 FOR ADD'L REQUIREMENTS.

   SIGNAGE FOR BAR JOIST

   REFER TO SPECIFICATION SECTION 10 14 00 AND SIGNAGE DRAWINGS FOR TYPES AND LOCATIONS.

UL DESIGN NUMBERS:

BEAMS	UL# S721
BAR JOISTS	UL# D902
1 HR. STUD PARTITIONS	UL# U465

General Code Notes

A. COORDINATE WITH FLOOR PLANS, WALL SECTIONS AND PARTITION TYPES FOR RATED WALL TYPES AND LOCATIONS. IMMEDIATELY NOTIFY ARCHITECT OF ANY WALL RATING DISCREPANCIES BETWEEN AG350 AND FLOOR PLANS.

B. ALL WALLS, INCLUDING AT CORRIDORS, SHALL EXTEND COMPLETELY TO THE UNDERSIDE OF DECKING, SUPPORTING STRUCTURE OR ROOF ABOVE, TYPICAL UNLESS NOTED OTHERWISE.

C. AT AREAS OF PROJECT WORK, COMPLETELY SEAL ALL PENETRATIONS REQUIRED TO COMPLY WITH FIRE RESISTANCE RATINGS IDENTIFIED ON AG350, REGARDLESS IF WALL IS NEW OR EXISTING, TYPICAL UNLESS NOTED OTHERWISE.

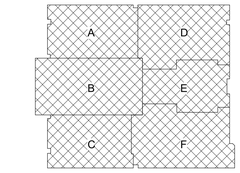
D. PROVIDE APPLIED FIREPROOFING TO ALL BEAMS, JOISTS AND STRUCTURAL STEEL ELEMENTS AT ALL FIRE BARRIERS, FIRE PARTITIONS, AND OTHER RATED WALLS WHERE INDICATED ON DRAWINGS, AND THAT ARE NOT COMPLETELY PROTECTED WITHIN THE RATED CONSTRUCTION. PROTECTION OF SUCH ELEMENTS SHALL MATCH THE RATING OF THE WALL THAT THE ELEMENTS ARE CONTAINED WITHIN.

E. AT AREAS OF PROJECT WORK IN CORRIDORS COMPLETELY SEAL ALL NEW PENETRATIONS AND PENETRATIONS FROM DEMOLITION WORK TO COMPLY WITH FIRE RESISTANCE RATINGS OF 1 HOUR, AND IN STAIRS, ELECTRICAL ROOMS, MECHANICAL ROOMS AND BOILER ROOM WALLS TO COMPLY WITH FIRE RESISTANCE RATINGS OF 2 HOURS, REGARDLESS IF WALL IS NEW OR EXISTING, TYPICAL UNLESS NOTED OTHERWISE.

Legend

ALL WALLS, INCLUDING CORRIDOR WALLS, EXTEND TO THE ROOF DECK OR FLOOR DECK ABOVE UNLESS NOTED OTHERWISE.

- 2-HOUR FIRE BARRIER
- 1-HOUR FIRE PARTITION
- COMMON EGRESS PATH
- XX — NUMBER OF OCCUPANTS IN EACH SPACE, UNO
- (XX) — NUMBER OF OCCUPANTS ALONG EGRESS PATH
- XX'-XX" — TOTAL EGRESS DISTANCE PER PATH
- NEW FIRE EXTINGUISHER LOCATION
- RW — RESCUE WINDOW
- ALTERATION LEVEL 2 WORK AREA



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:
1	05/02/2024	SED ADDENDUM #1

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH ARCHITECTS & ENGINEERS

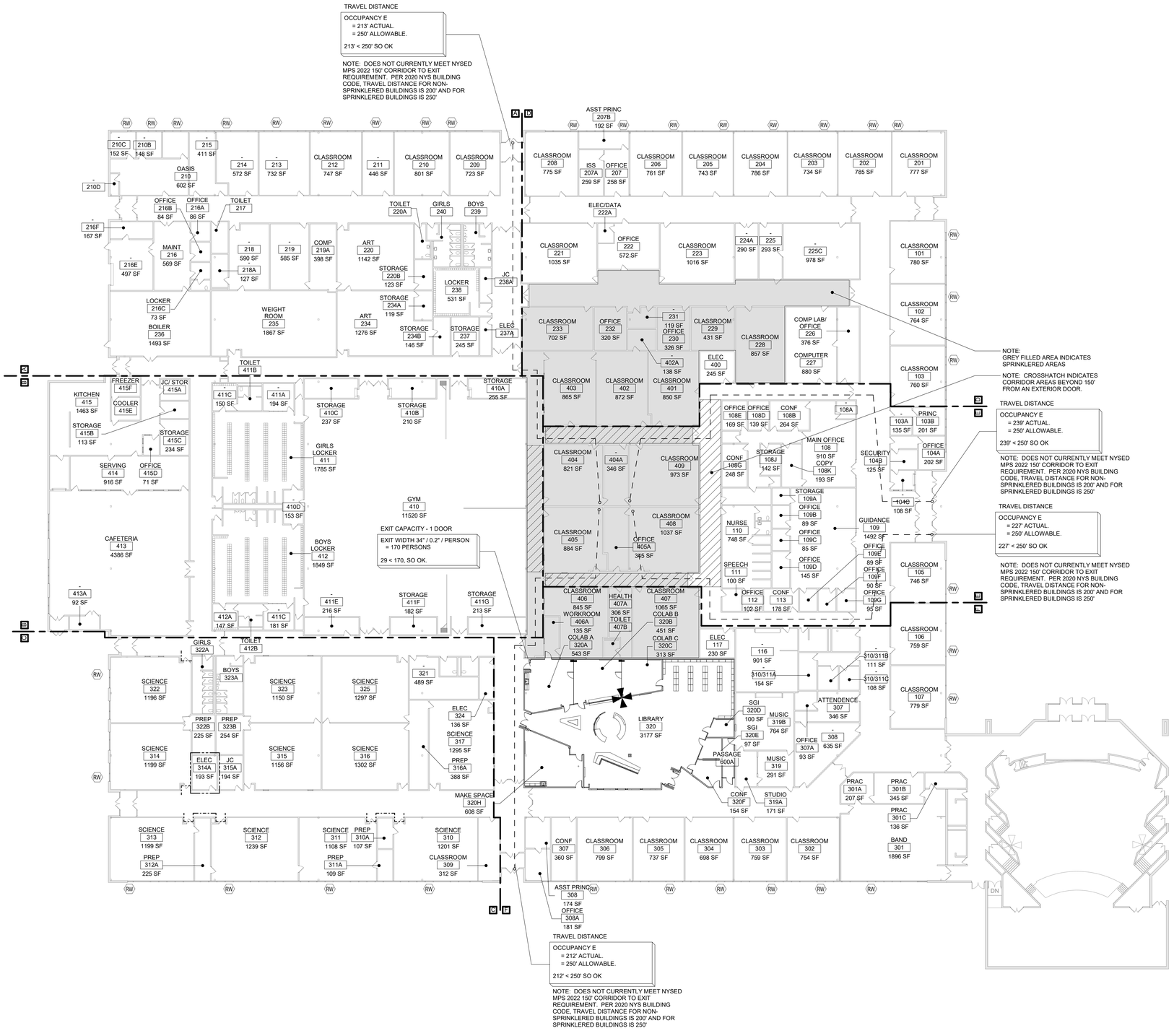
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

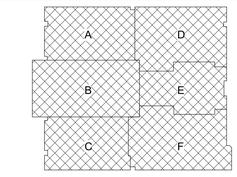
Code Compliance Review, Vintage Key Plan and First Floor Key Plan

Drawn By:	Date:	Drawing Number:
TLG	10/13/2023	AG350

Project No.: 276721-23001



1 First Floor Key Plan
3/64" = 1'-0"



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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BID SET

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

TETRA TECH
ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

Additional Travel Distances

Drawn By:	Date:	Drawing Number:
TS	10/13/2023	AG351
Project No.: 276721-23001		

ASBESTOS ABATEMENT
GENERAL NOTES

GENERAL NOTES:

1. ALL ASBESTOS REMOVAL SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAW, GUIDELINES, REGULATIONS, ORDERS AND DIRECTIVES, INCLUDING WITHOUT LIMITATIONS, THE U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA), AND U.S. DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH (NIOSH), AND NEW YOK STATE DEPARTMENT OF LABOR (NYSDOL).

2. CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT, SERVICES, ETC., NECESSARY TO PERFORM THE WORK REQUIRED FOR ASBESTOS ABATEMENT IN ACCORDANCE WITH CONTRACT DOCUMENTS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

3. CONTRACTOR SHALL DEVELOP AND IMPLEMENT A WRITTEN STANDARD PROCEDURE FOR ABATEMENT WORK TO ENSURE MAXIMUM PROTECTION AND SAFEGUARD FROM ASBESTOS EXPOSURE OF THE WORKERS, VISITORS, EMPLOYEES, GENERAL PUBLIC, AND THE ENVIRONMENT.

4. CONTRACTOR SHALL PROVIDE SIGNS, LABELS, WARNINGS, AND POST INSTRUCTIONS THAT ARE NECESSARY TO PROTECT, INFORM AND WARN PEOPLE OF THE HAZARD FROM ASBESTOS EXPOSURE. POST IN A PROMINENT AND CONVENIENT PLACE FOR THE WORKERS A COPY OF THE LATEST APPLICABLE REGULATIONS FROM OSHA, EPA, NIOSH AND NYSDOL.

5. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATION.

6. THE CONTRACTOR SHALL RELOCATE ALL FURNITURE, LOCKERS, DESKS AND OTHER MISC. ITEMS IN AND OUT OF THE WORK AREAS TO ACCOMODATE ASBESTOS ACTIVITIES, IF THE SCHOOL DOES NOT PROVIDE.

7. THE CONTRACTOR SHALL PROVIDE ALL ELECTRICAL, WATER, AND WASTE CONNECTIONS, TIE–INS, EXTENSIONS, CONSTRUCTION MATERIALS, SUPPLIES, ETC. AS REQUIRED TO FACILITATE ASBESTOS REMOVAL, IF THE SCHOOL DOES NOT PROVIDE.

8. CONTRACTOR SHALL PROVIDE TEMPORARY ELECTRIC AND LIGHT THROUGHOUT THE WORK AREA(S) AS REQUIRED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS AND CODES.

9. CONTRACTOR SHALL PROPERLY PROTECT ALL CONTROLS, TUBING, ELECTRICAL PANELS, EQUIPMENT, ETC. WITHIN THE WORK AREA.

10. THE CONTRACTOR SHALL BE REQUIRED TO ISSUE NON–WHITE WORK COVERALLS FOR ALL ABATEMENT WORKERS.

11. CONTRACTOR SHALL EXERCISE EXTREME CARE AND CAUTION DURING ANY AND ALL DEMOLITION AND ABATEMENT OPERATIONS. CONTRACTOR SHALL CONDUCT REMOVAL OF ALL MATERIALS FROM THE SITE WITH MINIMUM DISTURBANCE; PROVIDE PROPER PROTECTION AND REGULAR MAINTENANCE OF ALL BUILDING PREMISES DIRECTLY OR INDIRECTLY ASSOCIATED WITH ABATEMENT OPERATIONS.

12. THE CONTRACTOR SHALL USE A WATER SPRAYER TO WET ASBESTOS CONTAINING MATERIALS INSIDE THE WORK AREA.

13. CONTRACTOR SHALL CONSTRUCT A PERSONAL/WASTE DECONTAMINATION ENCLOSURE SYSTEM (P./W.D.E.S.) AS INDICATED. IT SHALL BE OF SUFFICIENT SIZE TO ACCOMMODATE STORAGE OF MATERIALS, EQUIPMENT, ETC.

14. IF WATER IS NOT AVAILABLE, THE CONTRACTOR SHALL PROVIDE A 55 GALLON WATER TANK FOR THE DECONTAMINATION UNIT.

15. THE CONTRACTOR SHALL UTILIZE GFCI PANEL CONNECTIONS AT THE SOURCE OUTLET WHEN ACCESSING TEMPORARY POWER.

16. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE TEMPORARY WATER AND POWER SOURCES PRIOR TO ABATEMENT ACTIVITIES.

17. DEBRIS RESULTING FROM ANY DEMOLITION AND/OR ASBESTOS ABATEMENT ACTIVITIES SHALL BE DISPOSED OF AS ASBESTOS CONTAMINATED WASTE.

18. NO WASTE SHALL BE STORED ON SITE OR INSIDE THE DECONTAMINATION UNIT BETWEEN SHIFTS. WASTE SHALL BE DOUBLE BAGGED BEFORE PROCEEDING TO THE CONTAINER AND/OR DECON. BAGS WILL BE MOVED FROM WORK AREAS TO THE WASTE DECON AND SUBSEQUENTLY TO THE CONTAINER IN COVERED CARTS. BAGS WILL BE CARRIED BY HAND ONLY WHEN NECESSARY. ALL WASTE SHALL BE CONTAINERIZED AT THE END OF EACH WORK SHIFT BEFORE RELINQUISHING TO WASTE HAULER.

19. CONTRACTOR IS RESPONSIBLE TO COORDINATE AND CONFIRM THE EXACT SCOPE OF WORK, AND QUANTITY FOR EACH PHASE OF ABATEMENT WITH THE GENERAL CONTRACTOR AND OTHER TRADES.

20. CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, TOOLS, TRANSPORTATION AND ANY OTHER EQUIPMENT REQUIRED AND/OR NECESSARY TO COMPLETE ALL WORK DESCRIBED IN THE CONTRACT DOCUMENTS.

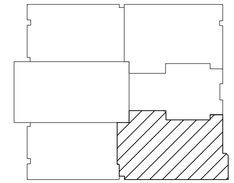
DRAWING	DRAWING NAME
H-001.00	ASBESTOS ABATEMENT - GENERAL NOTES
H-002.00	ASBESTOS ABATEMENT - FIRST FLOOR PLAN
H-003.00	ASBESTOS ABATEMENT - ROOF AREA PLAN

STATE OF NEW YORK
ROBERT SCOTT MASONE
084951
LICENSED PROFESSIONAL ENGINEER

DESIGNER: ROBERT S. MASONE, P.E. LIC. # 084951

KEY PLAN

Walter Panas High School



ENVIRONMENTAL CONSULTANT

LANGAN
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
One North Broadway, Suite 910
White Plains, NY 10601
T: 914.323.7400 F: 914.323.7401 www.langan.com

REVISIONS:

NUMBER	DESCRIPTION	DATE
1		
2		
3		
4		

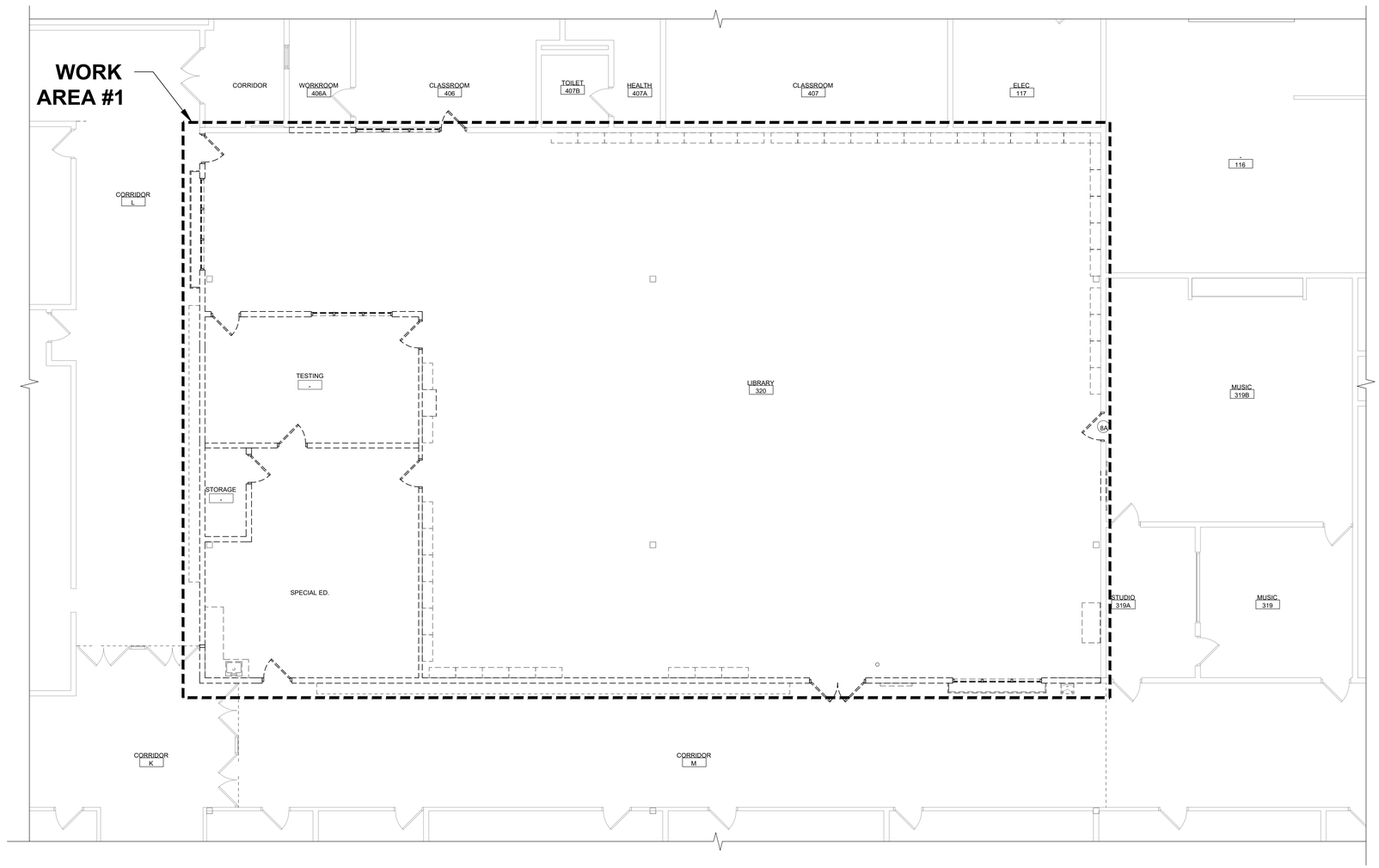
WALTER PANAS HIGH SCHOOL
300 CROTON AVENUE,
CORTLANDT, NY 10567

DRAWING TITLE:
ASBESTOS ABATEMENT
GENERAL NOTES

DRAWN BY:	PARTHI . M	SCALE:	NOT TO SCALE
PROJ. DESIGNER:	R. MASONE	DATE:	10/08/2023
CHECKED BY:	C. NAPOLITANO	DRAWING NUMBER:	H-001.00
		DRAWING NUMBER:	1 of 3

Filename: \\langan.com\data\PHW\data\101061223\CAD\Project Data_Required Documents\1 Design\Arch Drawings\Arch Drawings.dwg Date: 10/8/2023 Time: 10:12 User: pkhurshidmani Style Table: Langan.ctb Layout: Arch E1

CONSULTANTS PROJECT #: 101061223



1 PARTIAL FIRST FLOOR PLAN

SCALE: NTS

LEGEND

WORK AREA BOUNDARY

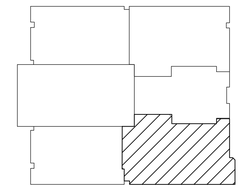
WORK AREA	LOCATION	ASBESTOS-CONTAINING MATERIAL	APPROXIMATE QUANTITY	REMOVAL PROCEDURES
1	Library,Testing Room, Special Ed Room, Special Ed Closet	White, Blue, Yellow and Olive Green 12"x12" Floor Tile & Associated Mastic (under carpet in some area)	+/- 6200 square feet	NYSDOL 12 NYCRR Part 56-11.7 Non-Friable and/or Mastic Removal

STATE OF NEW YORK
ROBERT SCOTT MASONE
084951
LICENSED PROFESSIONAL ENGINEER

DESIGNER: ROBERT S. MASONE, P.E. LIC. # 084951

KEY PLAN

Walter Panas High School



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REVISIONS:

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2		
3		
4		

WALTER PANAS HIGH SCHOOL
300 CROTON AVENUE,
CORTLANDT, NY 10567

DRAWING TITLE:

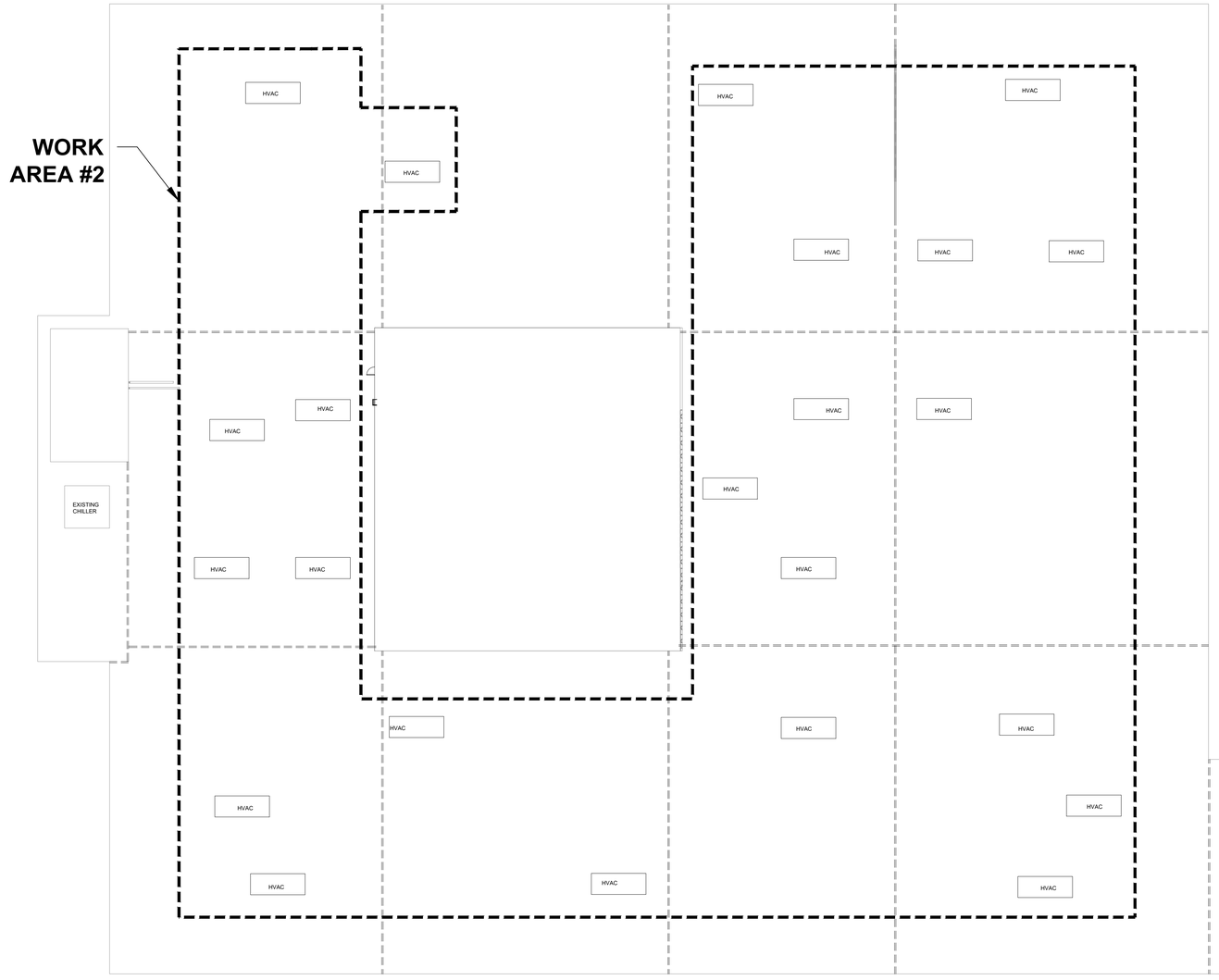
ASBESTOS ABATEMENT PARTIAL FIRST FLOOR PLAN

DRAWN BY:	PARTHI . M	SCALE:	NOT TO SCALE
PROJ. DESIGNER:	R. MASONE	DATE:	10/08/2023
CHECKED BY:	C. NAPOLITANO	DRAWING NUMBER:	

H-002.00

DRAWING NUMBER: 2 of 3

CONSULTANTS PROJECT #: 101061223



1 **ROOF AREA PLAN**
SCALE: NTS

LEGEND

WORK AREA BOUNDARY

WORK AREA	LOCATION	ASBESTOS-CONTAINING MATERIAL	APPROXIMATE QUANTITY	REMOVAL PROCEDURES
2	Main Roof, Througout associated with the 24 HVAC units	HVAC caulking grey	+/- 1200 square feet (24 units, caulking at the base)	NYSDOL 12 NYCRR Part 56-11.6 Exterior Project Removal of Non-friable ACM Caulking
		HVAC caulking white	+/- 1800 square feet (24 units, caulking at the top of each 9 lines @8' long)	

STATE OF NEW YORK
ROBERT SCOTT MASONE
084951
LICENSED PROFESSIONAL ENGINEER

DESIGNER: ROBERT S. MASONE, P.E. LIC. # 084951

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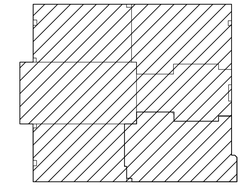
KEY PLAN
Walter Panas High School



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REVISIONS:

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WALTER PANAS HIGH SCHOOL
300 CROTON AVENUE,
CORTLANDT, NY 10567

DRAWING TITLE:
ASBESTOS ABATEMENT ROOF AREA PLAN

DRAWN BY:	PARTHI . M	SCALE:	NOT TO SCALE
PROJ. DESIGNER:	R. MASONE	DATE:	10/08/2023
CHECKED BY:	C. NAPOLITANO	DRAWING NUMBER:	H-003.00

DRAWING NUMBER: 3 of 3

Plotted: Tuesday, October 10, 2023 at 10:00:00 AM by PARTHI . M
C:\Users\pmanoj\Desktop\PARTHI\2023\101061223 Walter Panas\Drawings\Asbestos Abatement\H-003.00.dwg, Layout: H-003.00

CONSULTANTS PROJECT #: 101061223

1 First Floor - Key Plan
1/16" = 1'-0"

General Notes

A. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS.

B. TAKE FIELD MEASUREMENTS TO FIT THE WORK PROPERLY. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD.

C. REFER INCONSISTENCIES TO ARCHITECT PRIOR TO COMMENCING THE WORK IN AFFECTED AREA.

D. ITEMS ARE SHOWN DIAGRAMMATICALLY ON DRAWINGS. VERIFY SPACE REQUIREMENTS AND DIMENSIONS TO FIT THE WORK PROPERLY.

E. NOTES SHOWN ON ONE DRAWING APPLY TO ALL SIMILAR DRAWINGS.

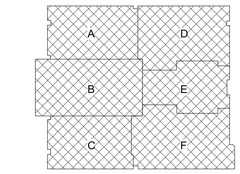
F. DO NOT DISTURB CONSTRUCTION SUSPECTED OF CONTAINING HAZARDOUS MATERIAL. IF ENCOUNTERED, IMMEDIATELY NOTIFY ARCHITECT, CONSTRUCTION MANAGER AND OWNER.

G. AT AREAS OF PROJECT WORK IN CORRIDORS COMPLETELY SEAL ALL PENETRATIONS TO COMPLY WITH FIRE RESISTANCE RATINGS OF 1 HOUR, AND IN STAIRS, ELECTRICAL ROOMS, MECHANICAL ROOMS AND BOILER ROOM WALLS TO COMPLY WITH FIRE RESISTANCE RATINGS OF 2 HOURS, REGARDLESS IF WALL IS NEW OR EXISTING, TYPICAL UNLESS NOTED OTHERWISE.

H. DIMENSIONS ARE FROM FACE OF MASONRY, FROM FACE OF METAL FRAMING OR FROM FACE OF EXISTING CONSTRUCTION. TYP UNO. MASONRY DIMENSIONS ARE NOMINAL.

Key Plan Legend

INDICATES AREA OF WORK



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

First Floor Key Plan

Drawn By:	Date:	Drawing Number:
ZV	10/13/2023	AA050

Project No.: 276721-23001

Demolition Key Notes

WITHIN HATCHED AREA: REMOVE ALL CONSTRUCTION IN ITS ENTIRETY. STRUCTURE TO REMAIN, TYPICAL UNO. REMOVE ALL FINISH MATERIALS OR OTHER ITEMS ATTACHED TO THE FACE OF WALLS SCHEDULED TO REMAIN TYPICAL UNO. REMOVE LOCKER BASES TO ADJACENT SLAB LEVELS AND PREP AREAS TO RECEIVE SCHEDULED FINISHES. PERFORM ABATEMENT PRIOR TO DEMOLITION. COORDINATE ADDITIONAL REQUIRED DEMOLITION WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. REMOVE INTERIOR PARTITION FULL-HEIGHT, PORTION AS INDICATED OR AS REQUIRED TO PERFORM SCHEDULED WORK. REMOVE CEILING SYSTEM AND/OR SOFFIT SYSTEM IN ITS ENTIRETY.

1B REMOVE INTERIOR PARTITION FULL-HEIGHT, PORTION AS INDICATED OR AS REQUIRED TO PERFORM SCHEDULED WORK. EXISTING STRUCTURE TO REMAIN.

1C REMOVE EXISTING VCT FLOORING. PREPARE EXISTING SURFACE TO RECEIVE NEW FINISH.

3A REMOVE PORTION OF CONCRETE SLAB INDICATED OR REQUIRED TO PERFORM SCHEDULED WORK. COORDINATE WITH PLUMBING DRAWINGS AT LOCATIONS WHERE AREAS OF FLOORING WAS REMOVED AND FLOOR FINISH IS SCHEDULED, LEVEL SLAB WITH ADJACENT SLABS. INCLUDE CONCRETE FLOOR PATCHING AND LEVELING MATERIALS TO MAKE SURFACE LEVEL. PREPARE FOR FINISH. PATCH AREAS OF WALLS THAT ARE SCHEDULED TO REMAIN THAT HAVE BEEN DAMAGED BY WALL BASE REMOVAL TO MATCH SCHEDULED OR ADJACENT FINISHES.

5A REMOVE METAL GUARDRAIL SYSTEM ONLY TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK - PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES.

8A REMOVE DOOR AND FRAME COMPLETELY. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES.

8B REMOVE STOREFRONT COMPLETELY

9A REMOVE CEILING SYSTEM AND/OR SOFFIT SYSTEM IN ITS ENTIRETY. SALVAGE CEILING PANELS REMOVED AND TURN OVER TO OWNER FOR FUTURE USE.

9B REMOVE/ SUPPORT AND REINSTALL EXISTING CEILING AS REQUIRED FOR NEW WORK. PROTECT FROM DAMAGE.

10A REMOVE LOCKERS AND LOCKER BASE COMPLETELY. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK.

12A REMOVE DISPLAY CASEWORK (INCLUDING ALL ASSOCIATED COMPONENTS).

12B REMOVE TACK PANEL INCLUDING ALL ASSOCIATED COMPONENTS

General Demolition Notes

A. - - - - - - REMOVE ITEMS INDICATED BY DASHED LINE.

B. KEYED DEMOLITION TAGS REFER TO SPECIFIC LOCATIONS AS FOLLOWS:

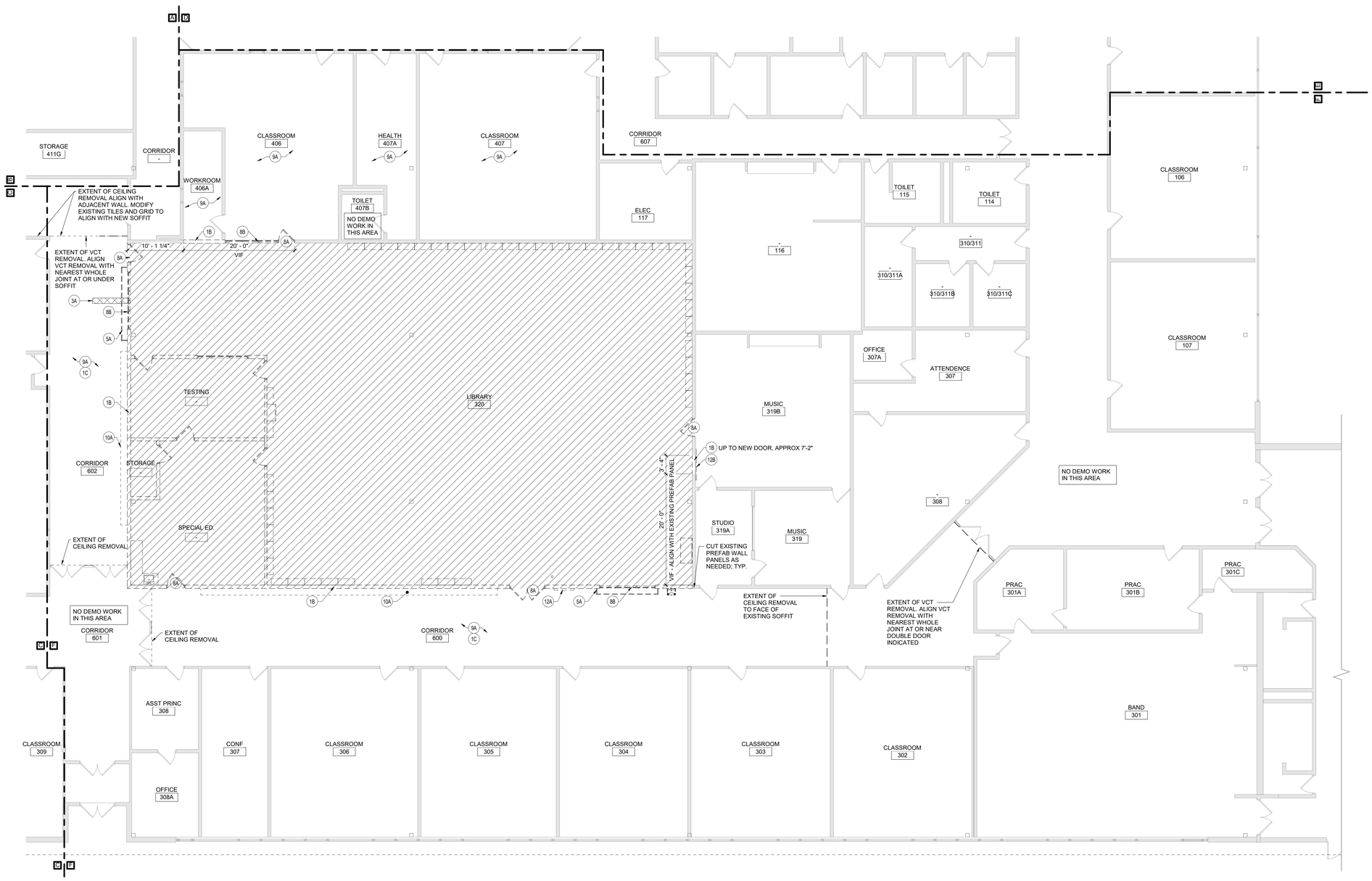
1. DEMOLITION TAGS LOCATED WITHIN THE MIDDLE OF A SPACE REFER TO DEMOLITION OF ALL ITEMS OF THAT SAME TYPE WITHIN THAT ENTIRE SPACE.
2. DEMOLITION TAGS PLACED IMMEDIATELY ON OR ADJACENT TO A DASHED LINE INDICATING ITEM REMOVAL OR THAT HAVE A LEADER POINTING TO SPECIFIC ITEM(S) REFER TO DEMOLITION OF THAT SPECIFIC ITEM ONLY OF THAT TYPE WITHIN THAT SPACE.
3. DEMOLITION TAGS IN SERIES REFER TO DEMOLITION OF ALL THOSE ITEMS EITHER WITHIN THAT ENTIRE SPACE OR TO THE SPACE IDENTIFIED BY THAT LEADER.

C. WHEN AN ITEM IS INDICATED TO BE DEMOLISHED REMOVE ALL ASSOCIATED COMPONENTS AS PART OF THAT WORK.

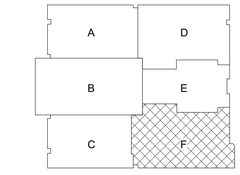
D. ALL ARTWORK NOT PERMANENTLY AFFIXED TO EXISTING CONSTRUCTION SHALL BE REMOVED AND STORED BY OWNER PRIOR TO BEGINNING DEMOLITION WORK. CONTACT OWNER'S AGENT(S) IF ANY ARTWORK IS ENCOUNTERED PRIOR TO START OF DEMOLITION WORK.

E. PATCH EXISTING EXPOSED SURFACES AFTER DEMO

F. REFER TO ABATEMENT DRAWINGS FOR HAZARDOUS MATERIAL LOCATIONS AND DEMOLITION TO BE PERFORMED AS ABATEMENT. COORDINATE ALL WORK IDENTIFIED ON ALL TRADES' DEMOLITION DRAWINGS WITH ABATEMENT DRAWINGS PRIOR TO BEGINNING ANY DEMOLITION WORK. ALL HAZARDOUS MATERIAL WORK INDICATED ON DRAWINGS SHALL BE REMOVED AND LEGALLY DISPOSED OF.



1 First Floor Demolition Plan - Area F
1/8" = 1'-0"



Key Plan
N.T.S.

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S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

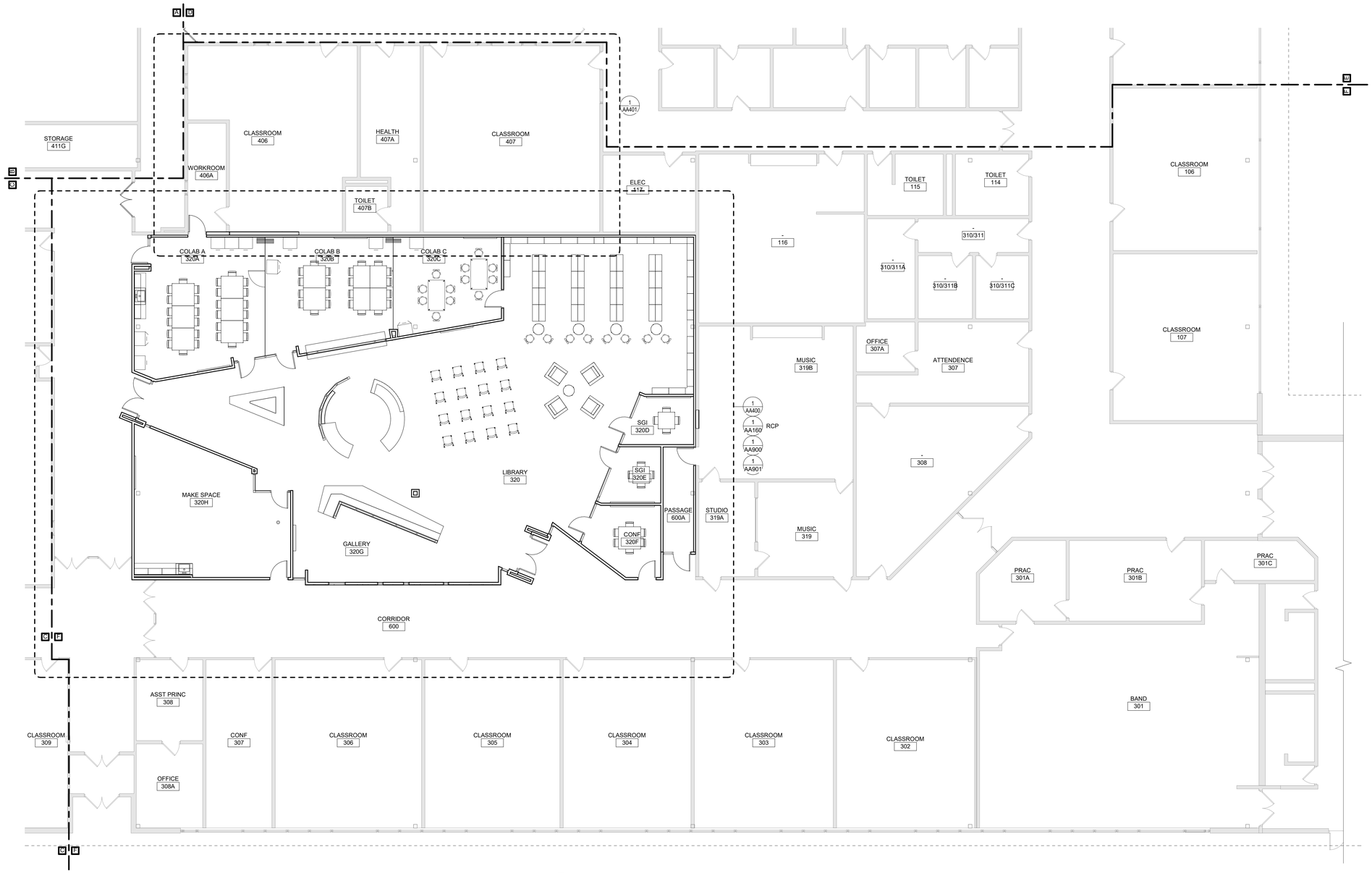
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

First Floor Demolition Plan - Area F

Drawn By:	Date:	Drawing Number:
ZV	10/13/2023	AA100

Project No.:
276721-23001



1 First Floor Plan - Area F
1/8" = 1'-0"

General Notes

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B. TAKE FIELD MEASUREMENTS TO FIT THE WORK PROPERLY. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD.

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G. AT AREAS OF PROJECT WORK IN CORRIDORS COMPLETELY SEAL ALL PENETRATIONS TO COMPLY WITH FIRE RESISTANCE RATINGS OF 1 HOUR, AND IN STAIRS, ELECTRICAL ROOMS, MECHANICAL ROOMS AND BOILER ROOM WALLS TO COMPLY WITH FIRE RESISTANCE RATINGS OF 2 HOURS, REGARDLESS IF WALL IS NEW OR EXISTING, TYPICAL UNLESS NOTED OTHERWISE.

H. DIMENSIONS ARE FROM FACE OF MASONRY, FROM FACE OF METAL FRAMING OR FROM FACE OF EXISTING CONSTRUCTION. TYP UNO. MASONRY DIMENSIONS ARE NOMINAL.

General Plan Notes

A. WHERE EXISTING CONSTRUCTION IS DAMAGED OR DISTURBED, PATCH AS REQUIRED TO RESTORE SURFACES TO THEIR ORIGINAL CONDITION.

B. PARTITION TYPE TAGS APPLY TO ENTIRE LENGTH OF WALL INDICATED BY THAT TAG, REGARDLESS OF OPENINGS WITHIN THAT WALL, TYPICAL UNLESS NOTED OTHERWISE.

1. ALL INTERIOR WALLS SHALL BE WALL/PARTITION TYPE P12.3, TYPICAL UNLESS NOTED OTHERWISE.

C. INFILL AREAS OF RECESSED FLOOR MAT AND/OR FINISH REMOVALS WITH REPAIR MATERIAL. PROVIDE SUBSTRATE LEVEL AS REQUIRED SO SCHEDULED FINISHED FLOOR WILL MATCH THAT OF EXISTING ADJACENT AREAS.

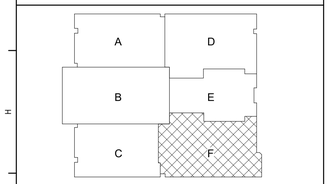
D. PROVIDE BRACING WITHIN CHASES AS FOLLOWS:

1. MASONRY WALLS: FULL-HEIGHT 4" CMU BRACES AT MAXIMUM SPACING OF 11'-0" OC.

2. GYPSUM BOARD/TILE BACKING PANELS ON METAL FRAMING: FULL-HEIGHT 6" METAL STUD BRACES AT MAXIMUM SPACING OF 11'-0" OC.

E. PROVIDE BLOCKING AT NEW AND EXISTING GYPSUM BOARD WALLS PER MANUFACTURER RECOMMENDATIONS FOR SUPPORT OF WALL /TALL MOUNTED CASEWORK UNITS. REFER TO SPECIFICATION SECTION 06 10 00 FOR WOOD BLOCKING RESPONSIBILITIES. STEEL STRAPPING ON FACE OF PARTITION IS NOT ACCEPTABLE.

WP = WORKING POINT



Key Plan
N.T.S.

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S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

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TETRA TECH
ARCHITECTS & ENGINEERS

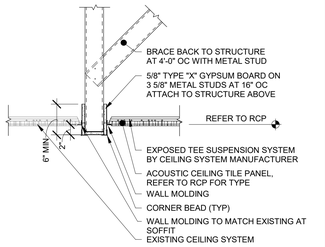
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

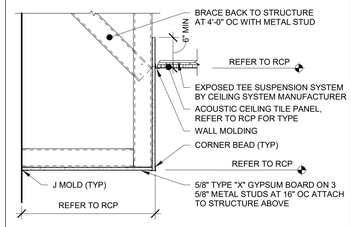
First Floor Plan - Area F

Drawn By:	Date:	Drawing Number:
ZV	10/13/2023	AA130

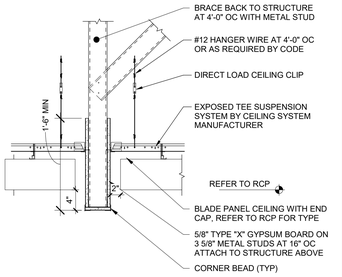
Project No.:
276721-23001



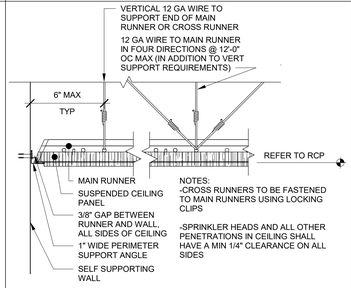
6 Soffit Detail - New to Existing
1" = 1'-0"



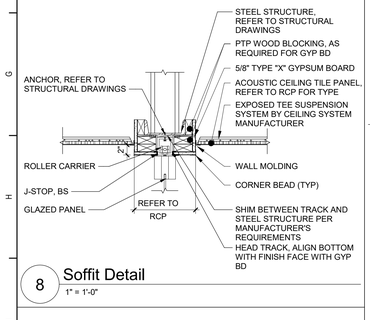
2 Soffit Detail
1" = 1'-0"



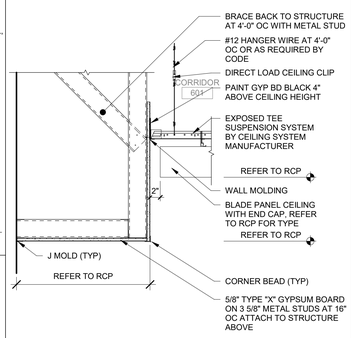
7 Soffit Detail In Slats
1" = 1'-0"



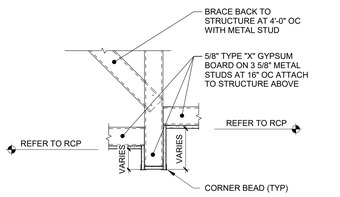
3 Typical Ceiling Detail
3" = 1'-0"



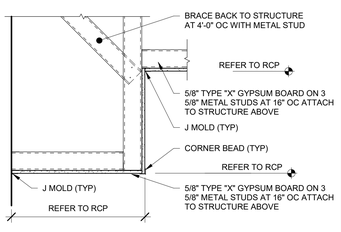
8 Soffit Detail
1" = 1'-0"



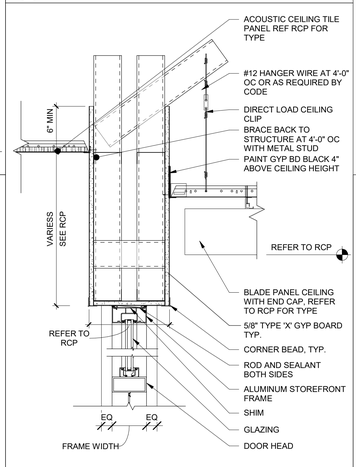
4 Soffit Detail
1" = 1'-0"



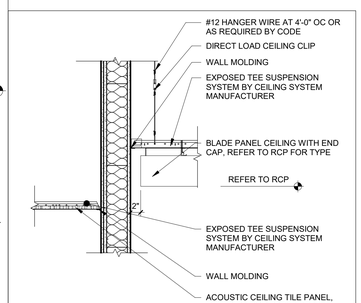
9 Soffit Detail
1" = 1'-0"



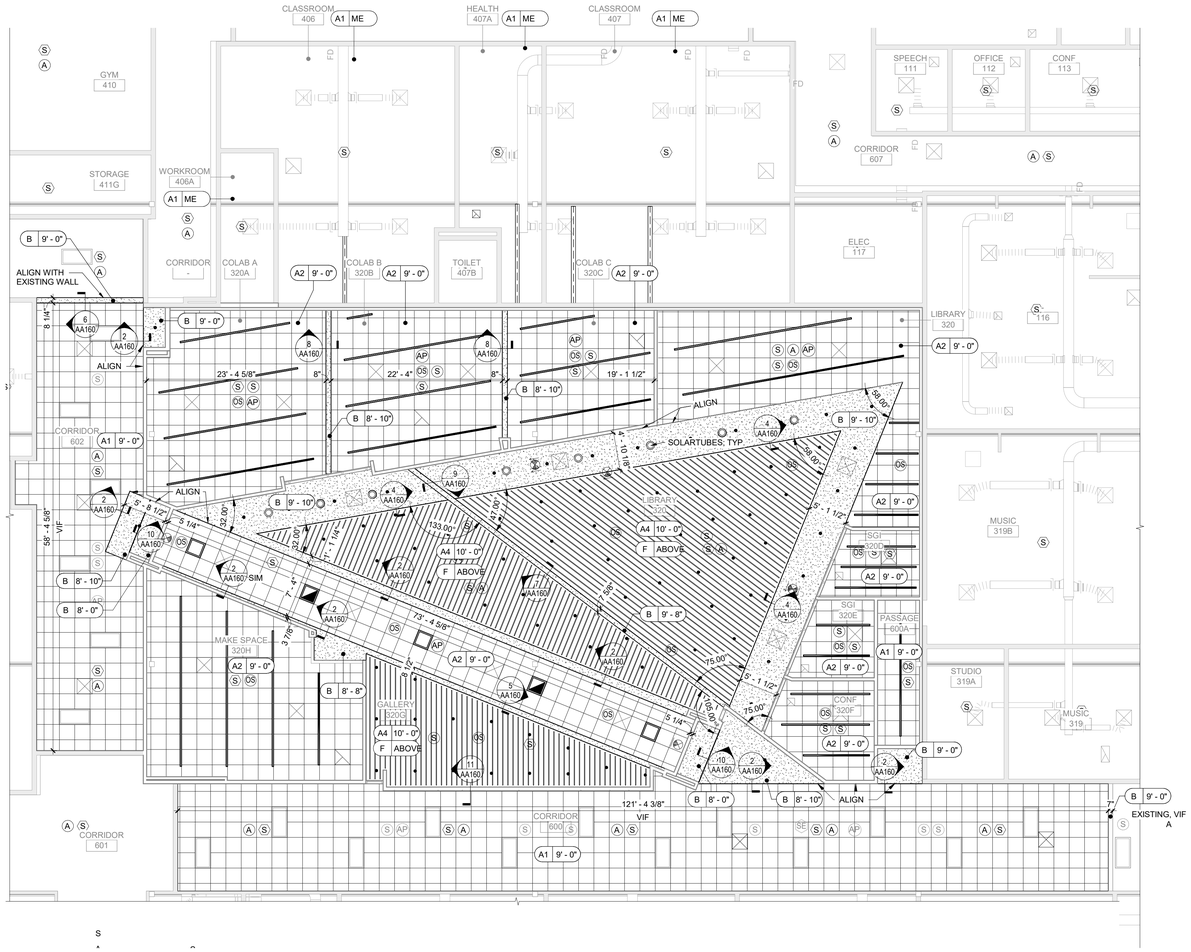
10 Soffit Detail
1" = 1'-0"



5 Soffit Detail
1 1/2" = 1'-0"



11 Ceiling Detail
1" = 1'-0"



1 Partial First Floor Reflected Ceiling Plan - Area F
1/8" = 1'-0"

General Ceiling Notes

A. LIGHTING AND OTHER CEILING-MOUNTED FIXTURES ARE SHOWN FOR DRAWING CLARITY. COORDINATE ALL CEILING WORK PRIOR TO INSTALLATION OF CEILING GRID.

B. CEILING HEIGHT IS 9'-0" ABOVE FINISHED FLOOR (UNO).

C. CENTER CEILING-MOUNTED ITEMS (LIGHTS, GRILLES, DETECTORS, SPRINKLER HEAD, ETC) WITHIN THE CEILING PANELS AND GRIDS UNLESS THE PANELS ARE SCORED. CENTER TEMS WITHIN THE PATTERN OF SCORED PANELS.

D. PROVIDE EXPANSION JOINT (EJ) COVERS IN CEILINGS AND SOFFITS AT EJ LOCATIONS.

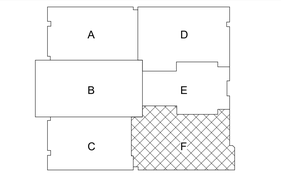
E. PROVIDE CONTROL JOINTS IN GYPSUM BOARD CEILINGS AND SOFFITS AS DETAILED ON DRAWINGS (MAXIMUM 20'-0" OC, EVENLY SPACED, TYP UNO).

F. PATCH CEILING SYSTEMS TO REMAIN THAT HAVE BEEN DISTURBED BY SCHEDULED WORK TO MATCH ADJACENT CONSTRUCTION PRIOR TO PAINTING.

G. X 9'-0" DESIGNATES BOTTOM OF CEILING ABOVE FINISHED FLOOR AT THAT POINT UNO. DESIGNATION "ME" INDICATES MATCH EXISTING CEILING HEIGHT.

Ceiling Types

A1 X'-X"	ACOUSTIC PANEL CEILING
A2 X'-X"	ACOUSTIC PANEL CEILING
A4 X'-X"	BLADE PANEL CEILING WITH BLACK SUSPENSION SYSTEM
B X'-X"	PAINTED 5/8"" GYPSUM CEILING ON SUPPORT MATERIALS (GRID SUSPENSION SYSTEM, TYP UNO)
F X'-X"	PAINTED EXPOSED STRUCTURAL SYSTEM, SUPPORT MATERIALS AND FASTENERS, MECHANICAL SYSTEM, ELECTRICAL ITEMS AND PIPING



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

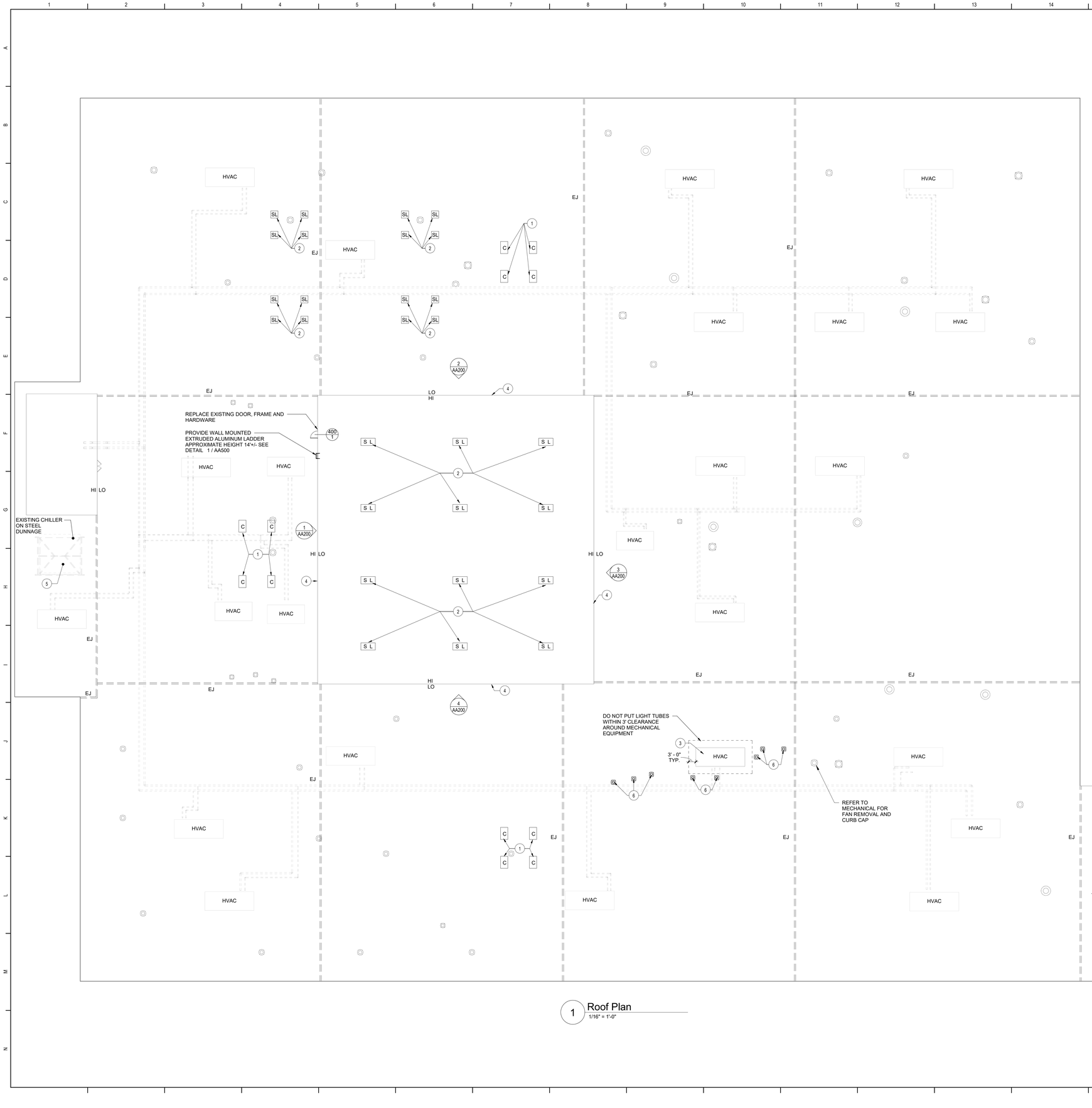
TETRA TECH
ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

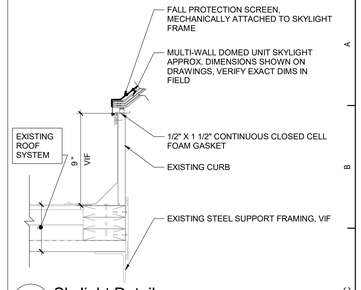
Reconstruction to:
Walter Panas High School

Partial First Floor Reflected Ceiling Plan - Area F

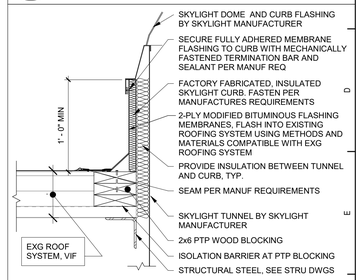
Drawn By:	Date:	Drawing Number:
ZV	10/13/2023	AA160
Project No.: 276721-23001		



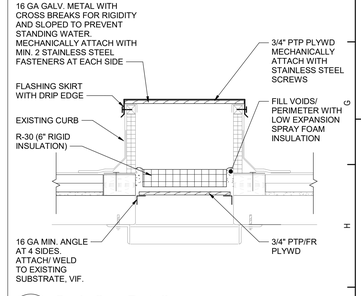
1 Roof Plan
1/16" = 1'-0"



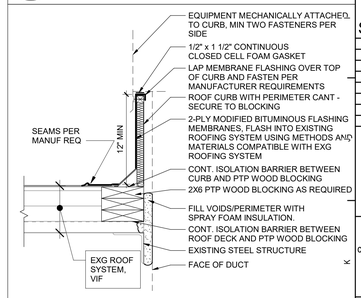
2 Skylight Detail
1 1/2" = 1'-0"



3 Tubular Daylighting Device Detail
1 1/2" = 1'-0"



4 Curb Cap Detail
12" = 1'-0"



5 Equipment Curb Detail
1 1/2" = 1'-0"

Roof Legend

EJ	EXPANSION JOINT (TYP).
W	WALKWAY PAD (TYP).
S L	UNIT SKYLIGHT WITH FALL PROTECTION SCREEN (TYP).
OR	ROOF CURB-MOUNTED VENTILATOR (TYP).
HVAC	ROOF CURB-MOUNTED EQUIPMENT (TYP).
P	CONDUIT OR PIPE OVER ROOF ON SUPPORTS
C	UNIT SKYLIGHT WITH INSULATED COVER
	SOLAR TUBE SKYLIGHT ON CURB
	WALL MOUNTED LADDER

General Notes

A. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS.

B. TAKE FIELD MEASUREMENTS TO FIT THE WORK PROPERLY. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD.

C. REFER INCONSISTENCIES TO ARCHITECT PRIOR TO COMMENCING THE WORK IN AFFECTED AREA.

D. ITEMS ARE SHOWN DIAGRAMMATICALLY ON DRAWINGS. VERIFY SPACE REQUIREMENTS AND DIMENSIONS TO FIT THE WORK PROPERLY.

E. NOTES SHOWN ON ONE DRAWING APPLY TO ALL SIMILAR DRAWINGS.

F. DO NOT DISTURB CONSTRUCTION SUSPECTED OF CONTAINING HAZARDOUS MATERIAL. IF ENCOUNTERED, IMMEDIATELY NOTIFY ARCHITECT, CONSTRUCTION MANAGER AND OWNER.

G. AT AREAS OF PROJECT WORK IN CORRIDORS COMPLETELY SEAL ALL PENETRATIONS TO COMPLY WITH FIRE RESISTANCE RATINGS OF 1 HOUR, AND IN STAIRS, ELECTRICAL ROOMS, MECHANICAL ROOMS AND BOILER ROOM WALLS TO COMPLY WITH FIRE RESISTANCE RATINGS OF 2 HOURS, REGARDLESS IF WALL IS NEW OR EXISTING, TYPICAL UNLESS NOTED OTHERWISE.

H. DIMENSIONS ARE FROM FACE OF MASONRY, FROM FACE OF METAL FRAMING OR FROM FACE OF EXISTING CONSTRUCTION. TYP UNO. MASONRY DIMENSIONS ARE NOMINAL.

General Roof Notes

A. DRAWINGS ARE REPRESENTATIVE, AND MAY NOT EXACTLY INDICATE ALL FIELD CONDITIONS. CONTRACTOR IS REQUIRED TO VERIFY ALL EXISTING CONDITIONS IN FIELD.

B. INSPECT ROOF PRIOR TO WORK. VERIFY THAT EXISTING MATERIALS ARE SOLID AND SECURE. NOTIFY ARCHITECT IMMEDIATELY IF DETERIORATED OR LOOSE MATERIALS ARE DISCOVERED.

C. REPAIR ALL ITEMS NOT SCHEDULED FOR WORK THAT ARE DAMAGED DURING ROOFING WORK.

D. MAINTAIN WATERTIGHT CONDITIONS AT ALL TIMES.

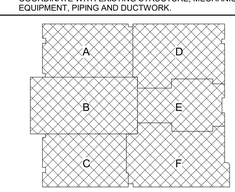
E. DO NOT DISTURB OR OVERBURDEN EXISTING ROOF AREAS THAT ARE NOT SCHEDULED FOR WORK. THIS INCLUDES HIGH FOOT TRAFFIC, POINTS OF ACCESS AND WORK PREPARATION AREAS. ALL WORK REQUIRED SHALL COMPLY WITH EXISTING ROOF SYSTEM MANUFACTURER'S WARRANTY REQUIREMENTS

F. WOOD BLOCKING SHALL BE PRESERVATIVE-TREATED (PTP).

G. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR WORK TO BE PERFORMED BY OTHER PRIME CONTRACTORS

Roof Key Notes

1. REMOVE EXISTING SKYLIGHT DOME AND PROVIDE INSULATED COVER ON EXISTING CURB, APPROX DIMENSIONS: 30" X 54" +/- (VIF) SEE DETAIL 4 / AA190
2. REMOVE EXISTING SKYLIGHT DOME AND PROVIDE INSULATED SKYLIGHT DOME AND FALL PROTECTION SCREEN ON EXISTING CURB, SEE DETAIL 2 / AA190 APPROXIMATE DIMENSIONS: 30" X 30" +/- AT SQUARE AND 30" X 54" +/- AT RECTANGLE SKYLIGHTS (VIF)
3. FLASH NEW CURB INTO EXISTING ROOF SYSTEM AT RTU REPLACEMENT, SEE DETAIL 5/AA190 AND MECHANICAL DRAWINGS
4. PREPARE PRIME AND PAINT EXISTING METAL WALL PANELS WITH HIGH PERFORMANCE COATING APPROXIMATELY 14' HIGH (VIF) SEE EXTERIOR ELEVATION DRAWINGS
5. PREPARE PRIME AND PAINT EXISTING STEEL DUNNAGE AT CHILLER WITH HIGH PERFORMANCE COATING (VIF)
6. TUBULAR DAYLIGHTING DEVICE, CURB AND OPENING FRAME SEE DETAIL 3 / AA190 AND VERIFY EXACT LOCATION IN FIELD TO COORDINATE WITH EXISTING STRUCTURE, MECHANICAL EQUIPMENT, PIPING AND DUCTWORK.



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

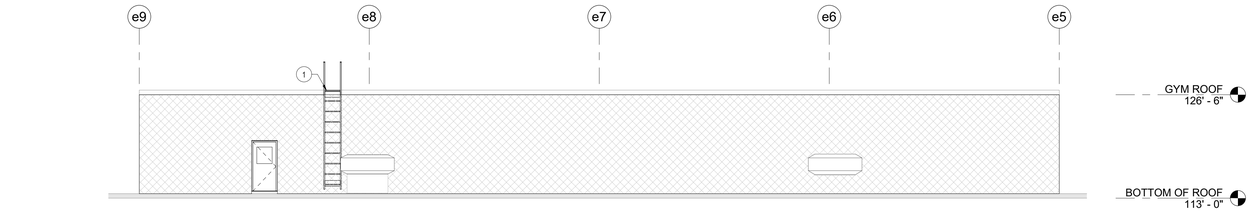
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

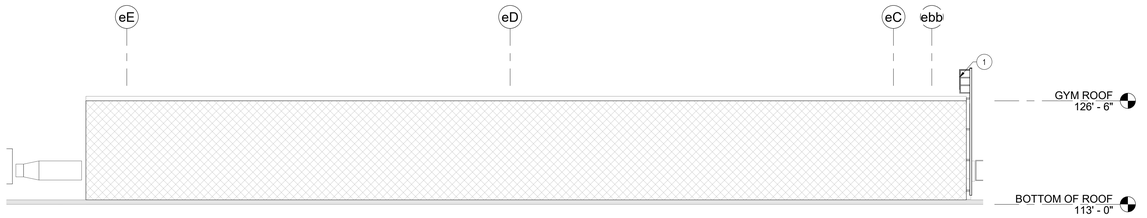
Roof Plan and Details

Drawn By:	Date:	Drawing Number:
TLG/RAV	10/13/2023	AA190

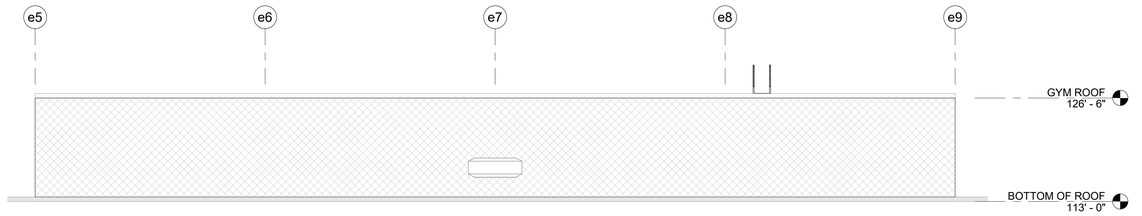
Project No.: 276721-23001



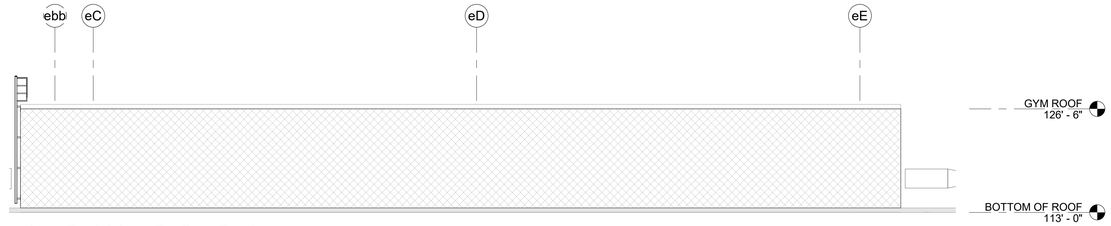
1 North Elevation - Partial Area B - Gym Penthouse
1/8" = 1'-0"



2 East Elevation - Partial Area B - Gym Penthouse
1/8" = 1'-0"



3 South Elevation - Partial Area B - Gym Penthouse
1/8" = 1'-0"



4 West Elevation - Partial Area B - Gym Penthouse
1/8" = 1'-0"

General Notes

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B. TAKE FIELD MEASUREMENTS TO FIT THE WORK PROPERLY. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD.

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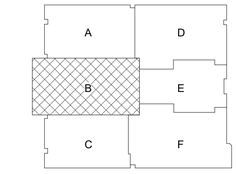
H. DIMENSIONS ARE FROM FACE OF MASONRY, FROM FACE OF METAL FRAMING OR FROM FACE OF EXISTING CONSTRUCTION. TYP UNO. MASONRY DIMENSIONS ARE NOMINAL.

Exterior Key Notes

PREPARE PRIME AND PAINT EXISTING METAL WALL PANELS WITH HIGH PERFORMANCE COATING

1 PROVIDE WALL MOUNTED EXTRUDED ALUMINUM LADDER, SEE DETAIL 1 / AA500



Key Plan
N.T.S.

N

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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BID SET

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

TETRA TECH
ARCHITECTS & ENGINEERS

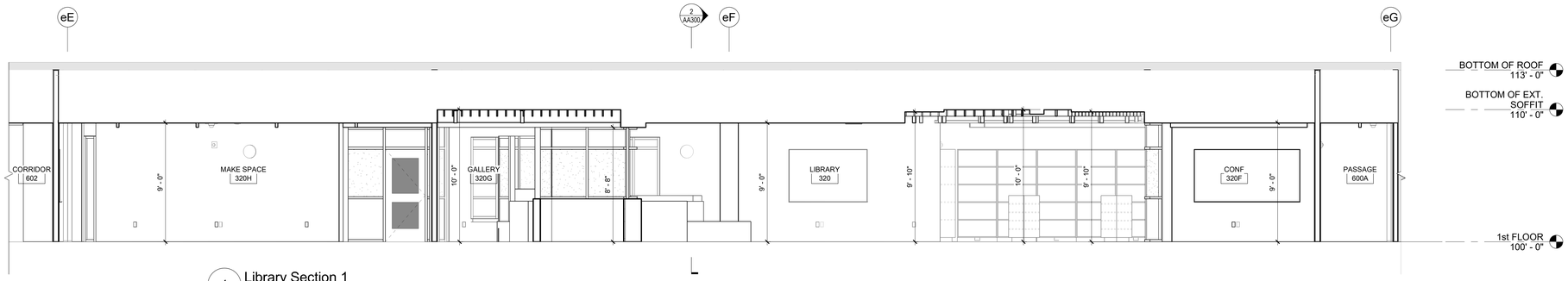
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

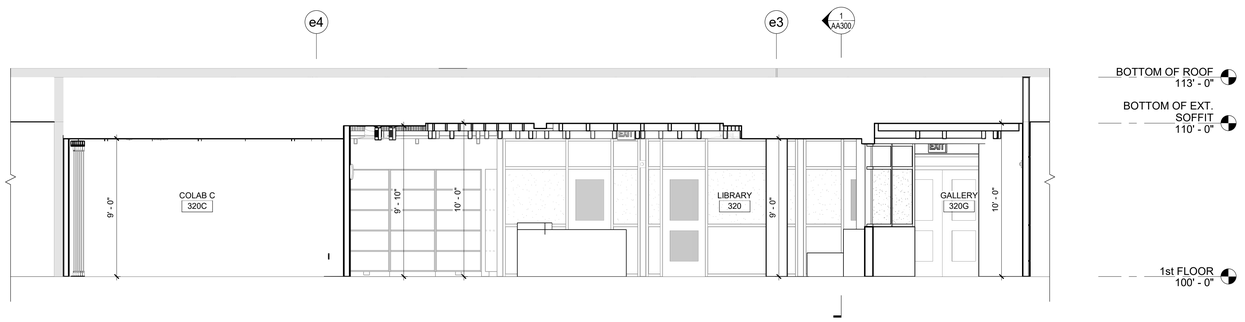
Exterior Elevations - Gym Penthouse

Drawn By:	Date:	Drawing Number:
ZV	10/13/2023	AA200

Project No.: 276721-23001



1 Library Section 1
1/4" = 1'-0"



2 Library Section 2
1/4" = 1'-0"

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

TETRA TECH
ARCHITECTS & ENGINEERS

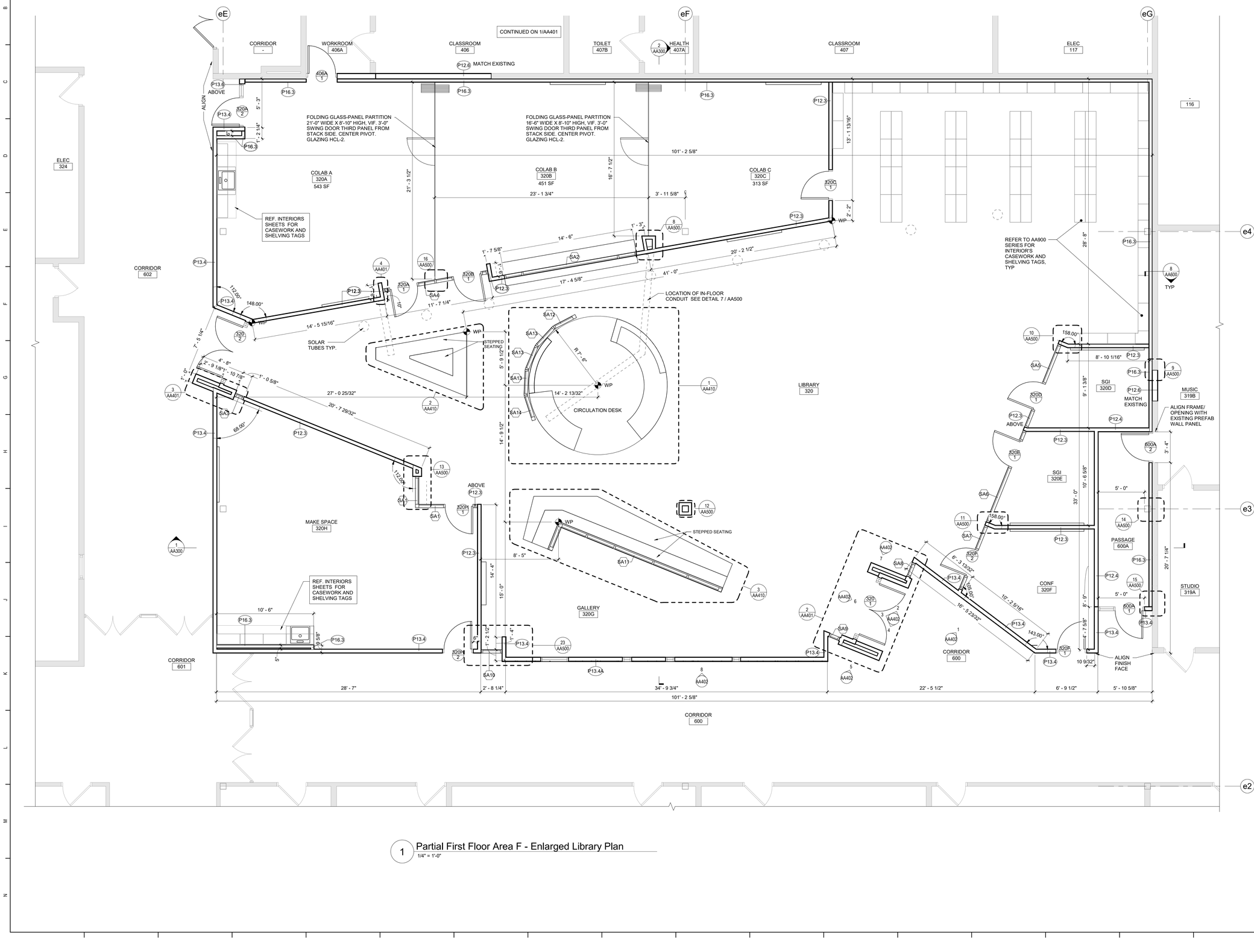
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

Library Sections

Drawn By:	Date:	Drawing Number:
ZV	10/13/2023	AA300

Project No.:
276721-23001



1 Partial First Floor Area F - Enlarged Library Plan
1/4" = 1'-0"

General Notes

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H. DIMENSIONS ARE FROM FACE OF MASONRY, FROM FACE OF METAL FRAMING OR FROM FACE OF EXISTING CONSTRUCTION. TYP,UNO. MASONRY DIMENSIONS ARE NOMINAL.

116

General Plan Notes

A. WHERE EXISTING CONSTRUCTION IS DAMAGED OR DISTURBED, PATCH AS REQUIRED TO RESTORE SURFACES TO THEIR ORIGINAL CONDITION.

B. PARTITION TYPE TAGS APPLY TO ENTIRE LENGTH OF WALL INDICATED BY THAT TAG, REGARDLESS OF OPENINGS WITHIN THAT WALL, TYPICAL UNLESS NOTED OTHERWISE.

1. ALL INTERIOR WALLS SHALL BE WALL/PARTITION TYPE P12.3, TYPICAL UNLESS NOTED OTHERWISE.

C. INFILL AREAS OF RECESSED FLOOR MAT AND/OR FINISH REMOVALS WITH REPAIR MATERIAL. PROVIDE SUBSTRATE LEVEL AS REQUIRED SO SCHEDULED FINISHED FLOOR WILL MATCH THAT OF EXISTING ADJACENT AREAS.

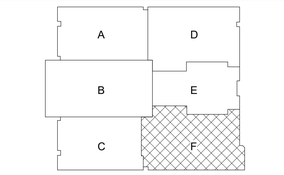
D. PROVIDE BRACING WITHIN CHASES AS FOLLOWS:

1. MASONRY WALLS: FULL-HEIGHT 4" CMU BRACES AT MAXIMUM SPACING OF 11'-0" OC.

2. GYPSUM BOARD/TILE BACKING PANELS ON METAL FRAMING: FULL-HEIGHT 6" METAL STUD BRACES AT MAXIMUM SPACING OF 11'-0" OC.

E. PROVIDE BLOCKING AT NEW AND EXISTING GYPSUM BOARD WALLS PER MANUFACTURER RECOMMENDATIONS FOR SUPPORT OF WALL /TALL MOUNTED CASEWORK UNITS. REFER TO SPECIFICATION SECTION 06 10 00 FOR WOOD BLOCKING RESPONSIBILITIES. STEEL STRAPPING ON FACE OF PARTITION IS NOT ACCEPTABLE.

WP = WORKING POINT



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

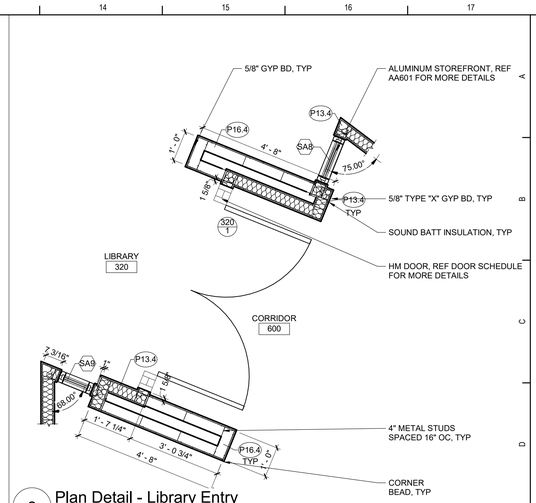
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

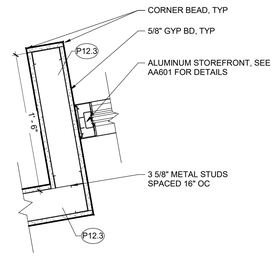
Partial First Floor Area F - Enlarged Library Plan

Drawn By:	Date:	Drawing Number:
ZV	10/13/2023	AA400

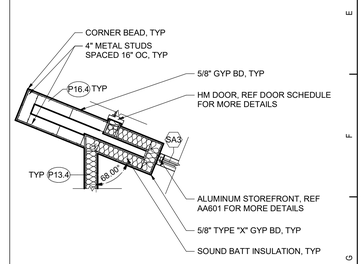
Project No.: 276721-23001



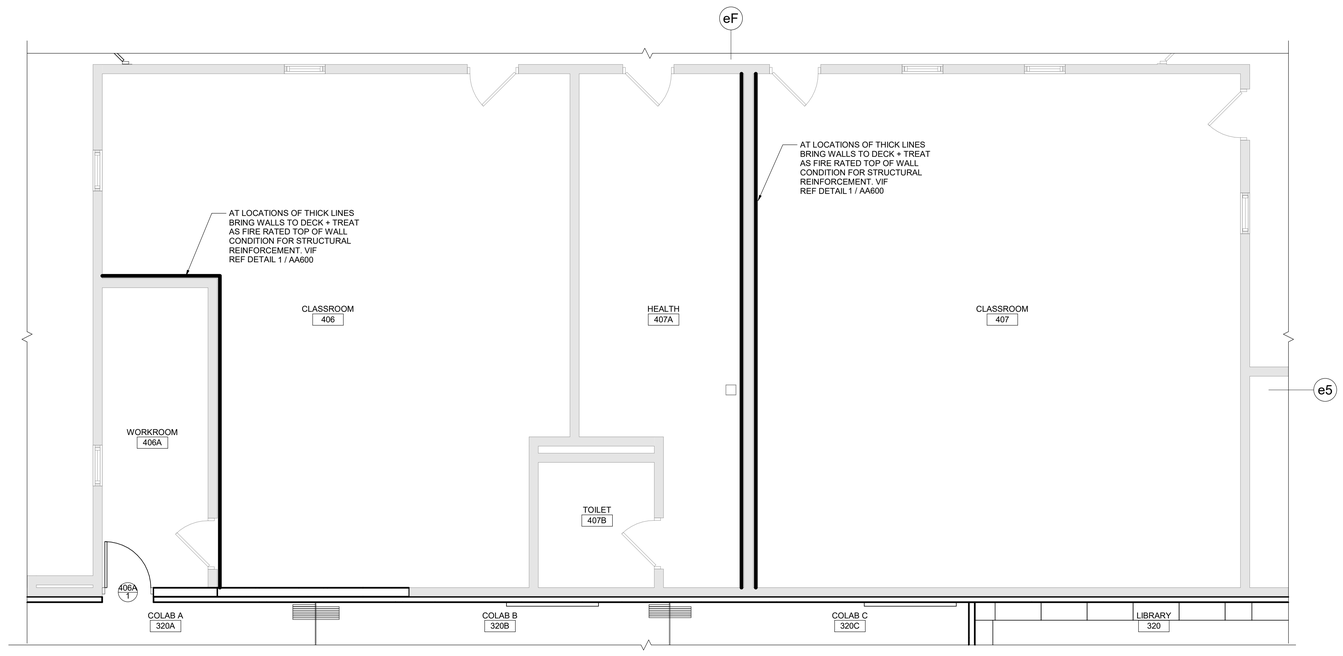
2 Plan Detail - Library Entry
1/2" = 1'-0"



4 Plan Detail
1 1/2" = 1'-0"



3 Plan Detail - Library Entry
1/2" = 1'-0"



1 Partial First Floor Area F - Enlarged Classrooms
1/4" = 1'-0"

General Notes

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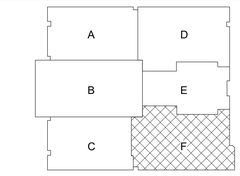

Key Plan
N.T.S.

N

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

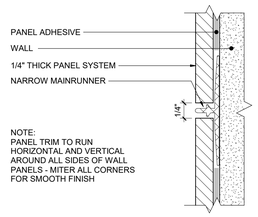
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

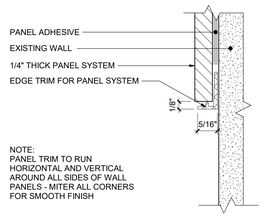
Partial First Floor Area F - Enlarged Classrooms and Plan Details

Drawn By:	Date:	Drawing Number:
ZV	10/13/2023	AA401

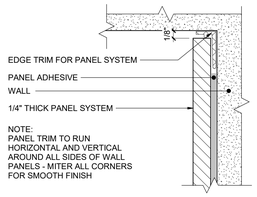
Project No.:
276721-23001



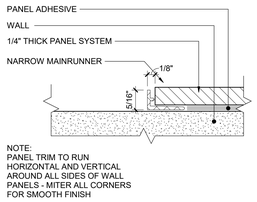
9 Wall System Detail - Horizontal
12" = 1'-0"



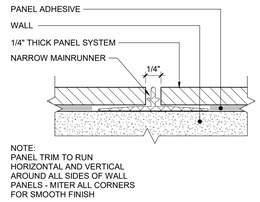
10 Wall System Detail - Base
12" = 1'-0"



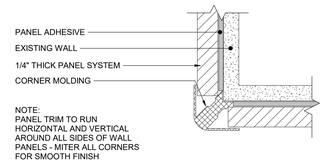
11 Wall System Detail - Corner
12" = 1'-0"



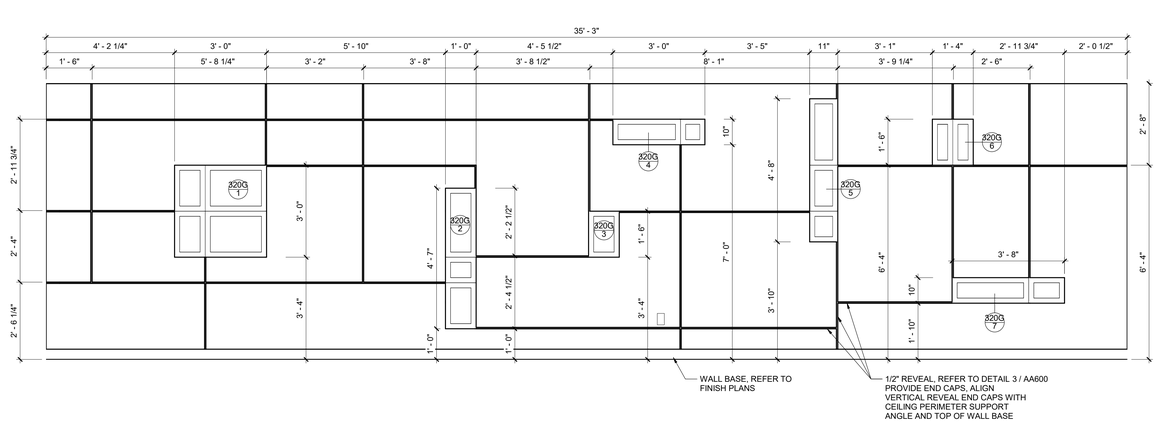
12 Wall System Detail - Exposed Edge
12" = 1'-0"



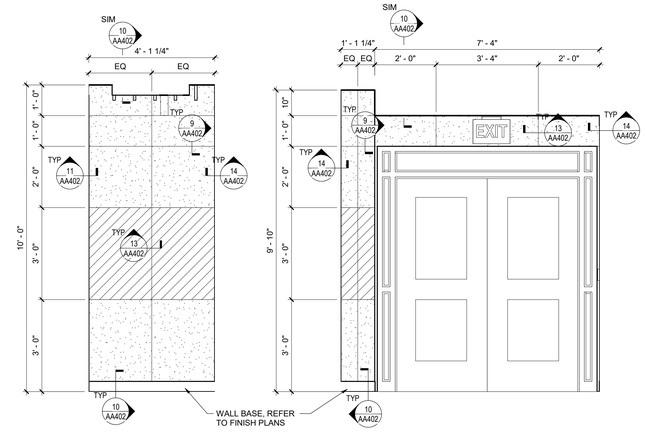
13 Wall System Detail - Vertical
12" = 1'-0"



14 Wall System Detail - Corner
12" = 1'-0"

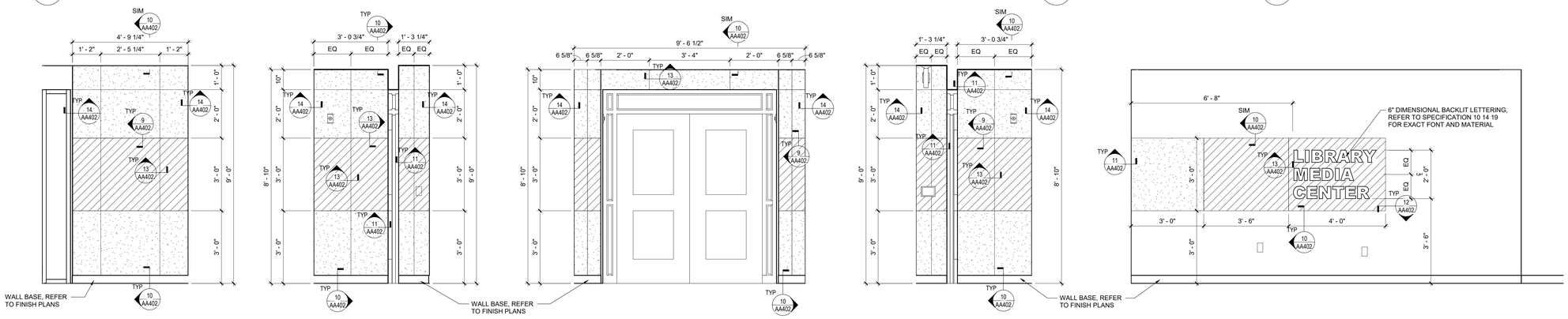


8 Interior Elevation - Gallery Wall
1/2" = 1'-0"



7 Library Entry Elevation
1/2" = 1'-0"

6 Elevation 7 - a
1/2" = 1'-0"



5 Library Entry Elevation
1/2" = 1'-0"

4 Library Entry Elevation
1/2" = 1'-0"

3 Library Entry Elevation
1/2" = 1'-0"

2 Library Entry Elevation
1/2" = 1'-0"

1 Library Entry Elevation
1/2" = 1'-0"

WOOD VENEER TYPE 1

WOOD VENEER TYPE 2

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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BID SET

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

TETRA TECH
ARCHITECTS & ENGINEERS

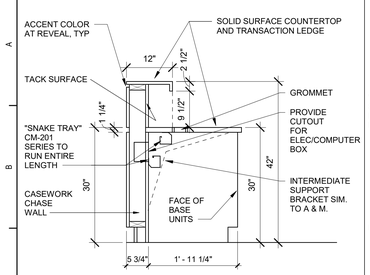
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

Library Interior Elevations and Details

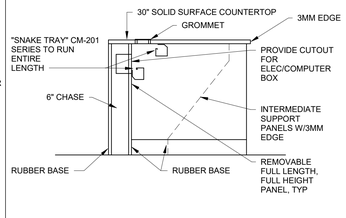
Drawn By:	Date:	Drawing Number:
ZV	10/13/2023	AA402

Project No.:
276721-23001



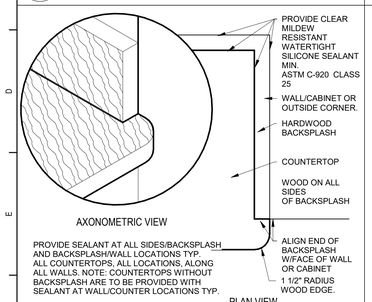
4 Transaction Counter Detail

3/4" = 1'-0"



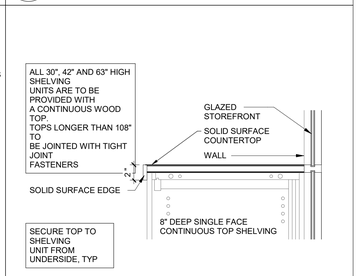
5 Computer Counter Detail

3/4" = 1'-0"



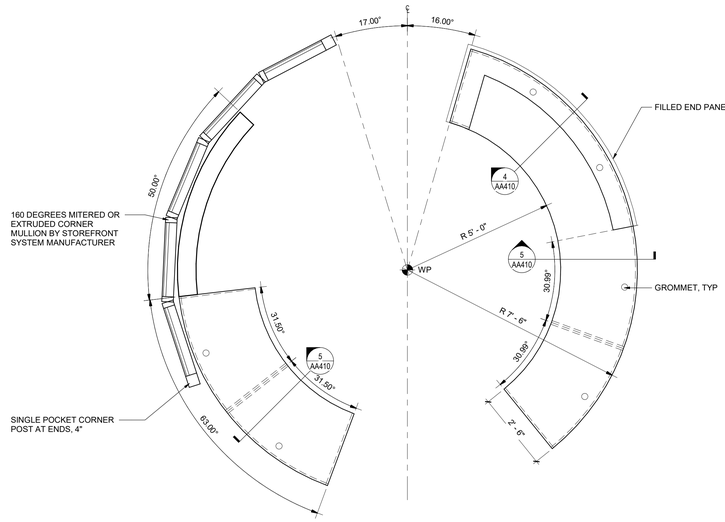
6 Solid Hardwood Countertop Edge Detail

3" = 1'-0"



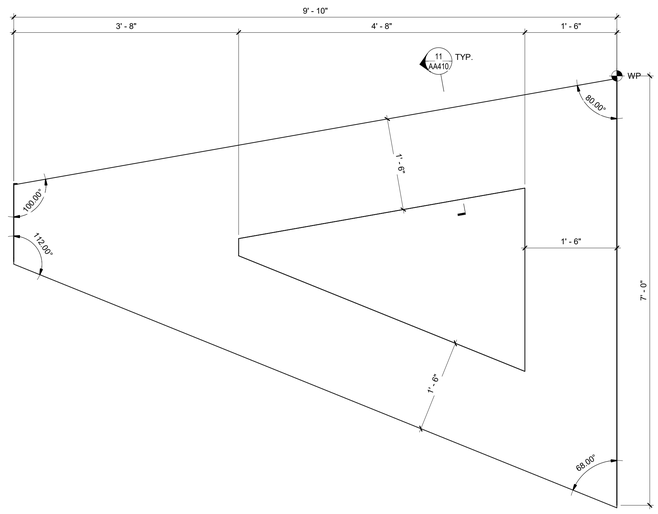
7 Continuous Canopy Top

3/4" = 1'-0"



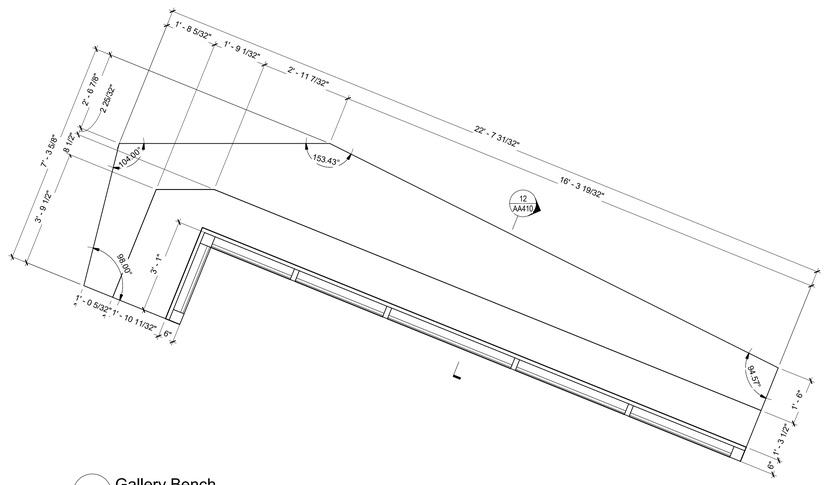
1 Circulation Desk

1/2" = 1'-0"



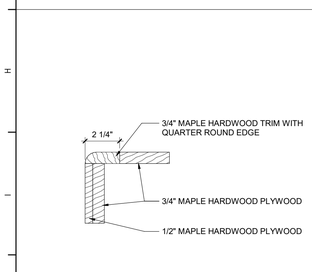
2 Triangle Bench

1" = 1'-0"



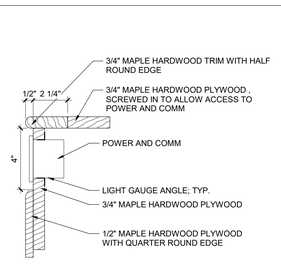
3 Gallery Bench

1/2" = 1'-0"



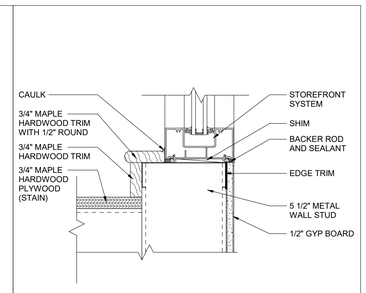
8 Seating Edge Detail 1

3" = 1'-0"



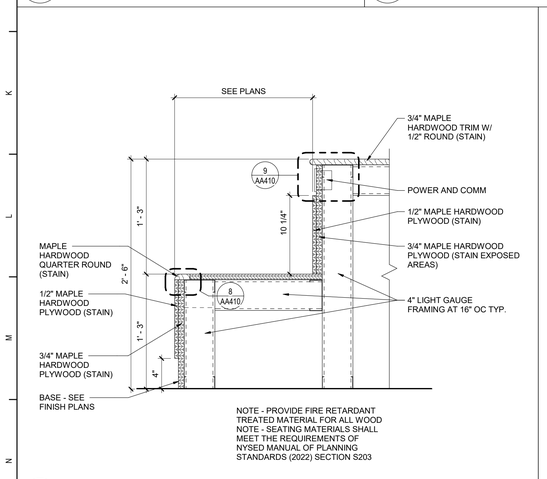
9 Seating Edge Detail 2

3" = 1'-0"



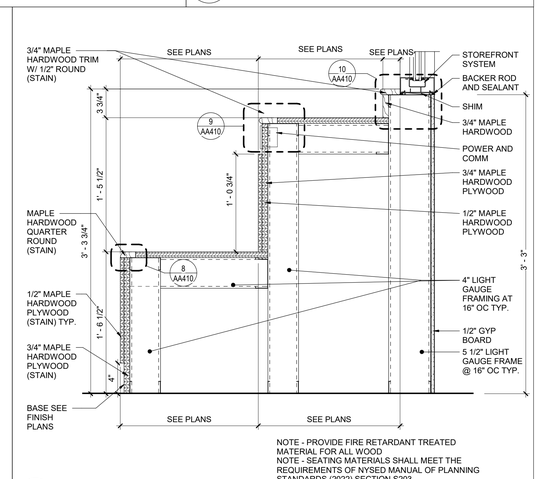
10 Storefront Edge Detail

3" = 1'-0"



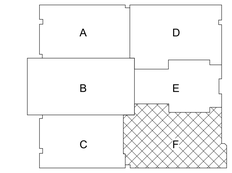
11 Section at Triangle Seating

1 1/2" = 1'-0"



12 Section at Gallery Seating

1 1/2" = 1'-0"



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:
1	05/02/2024	SED ADDENDUM #1

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

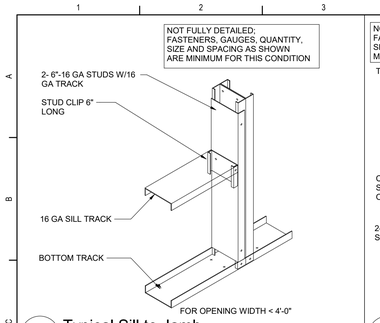
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

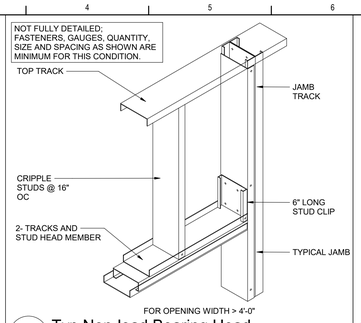
Circulation Desk, Stepped Seating Plans and Details

Drawn By:	Date:	Drawing Number:
PO/ZV	10/13/2023	AA410

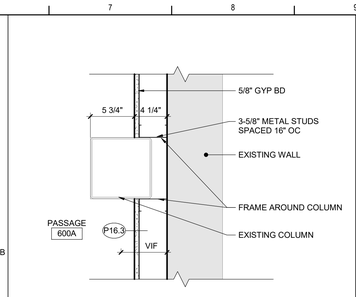
Project No.: 276721-23001



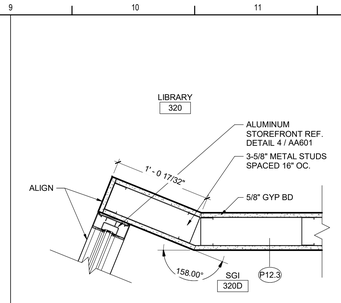
20 Typical Sill to Jamb
3/4" = 1'-0"



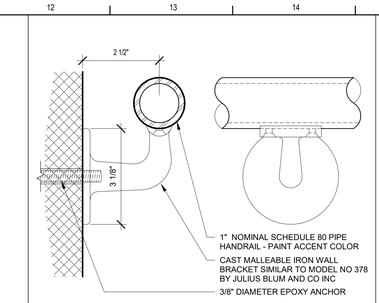
17 Typ Non-load Bearing Head
3/4" = 1'-0"



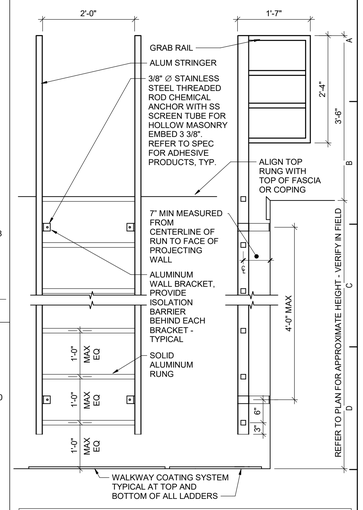
14 Plan Detail
1 1/2" = 1'-0"



10 Plan Detail
1 1/2" = 1'-0"

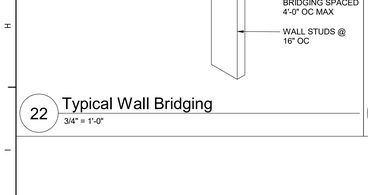


5 Wall Mounted Rail Support Detail
6" = 1'-0"

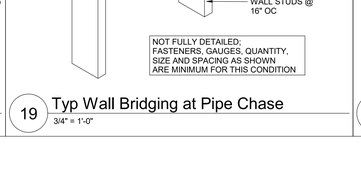


NOTES:
- VERIFY LADDER HEIGHT IN FIELD PRIOR TO FABRICATION.
- REFER TO SPECIFICATION SECTION 05 50 00 FOR LADDER INFORMATION AND REQUIREMENTS INCLUDING DELEGATED DESIGN.
- ALL OPEN TUBE ENDS TO BE CAPPED/SEALED CLOSED.
- ALL JOINTS TO BE FULLY WELDED.
- VERIFY BRACKET LENGTH IN FIELD REQUIRED TO CLEAR EXISTING OVERHANGS, PROJECTIONS AND EXISTING WALL SYSTEM COMPONENTS.
- COORDINATE EXACT LADDER LOCATIONS IN FIELD TO AVOID EXISTING CONFLICTS ON WALL AND ROOF PENETRATIONS.

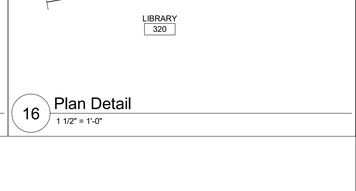
1 Typ Alum Ladder Detail
3/4" = 1'-0"



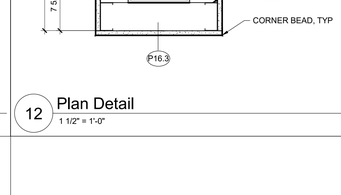
21 Typical Track Splice
3/4" = 1'-0"



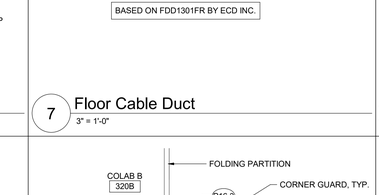
18 Typ Non-load Bearing Head
3/4" = 1'-0"



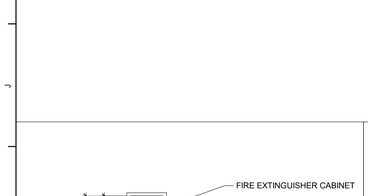
15 Plan Detail
1 1/2" = 1'-0"



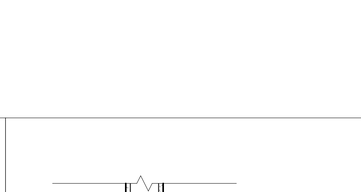
11 Plan Detail
1 1/2" = 1'-0"



6 Stair Elevation
3/4" = 1'-0"

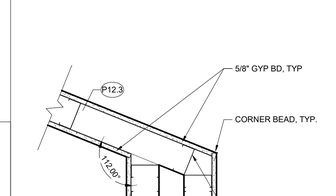


22 Typical Wall Bridging
3/4" = 1'-0"



19 Typ Wall Bridging at Pipe Chase
3/4" = 1'-0"

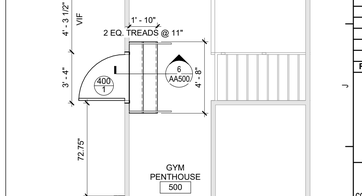
16 Plan Detail
1 1/2" = 1'-0"



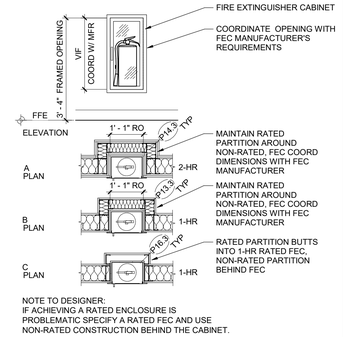
12 Plan Detail
1 1/2" = 1'-0"

BASED ON FDD1301FR BY ECD INC.

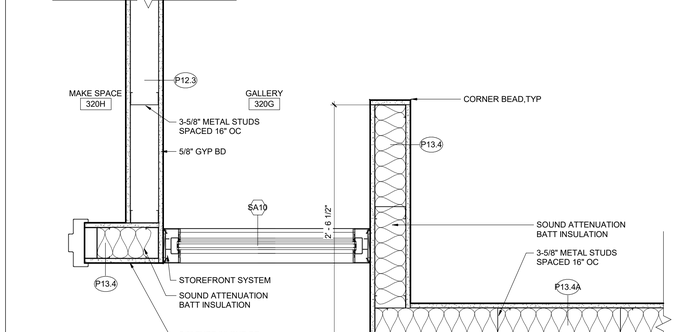
7 Floor Cable Duct
3" = 1'-0"



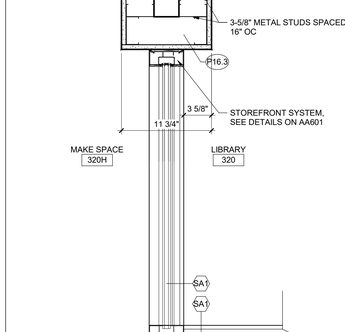
2 Typical Aluminum Ladder Attachment Detail
1 1/2" = 1'-0"



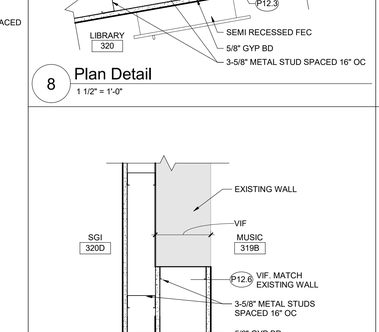
24 FEC - Stud Wall
1/2" = 1'-0"



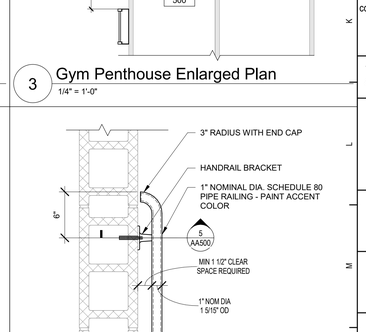
23 Plan Detail
1 1/2" = 1'-0"



13 Plan Detail
1 1/2" = 1'-0"



8 Plan Detail
1 1/2" = 1'-0"



3 Gym Penthouse Enlarged Plan
1/4" = 1'-0"

9 Plan Detail
1 1/2" = 1'-0"

4 Railing Termination Detail
1 1/2" = 1'-0"

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:
1	05/02/2024	SED ADDENDUM #1

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

Miscellaneous and Plan Details

Drawn By:	Date:	Drawing Number:
ZV	10/13/2023	AA500

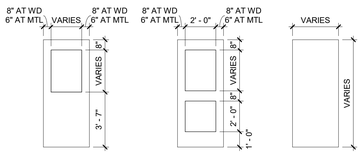
Project No.: 276721-23001

Door/ Window Schedule

ROOM NUMBER	DOOR NUMBER	DOOR TYPE	DOOR MATERIAL	DOOR WIDTH	DOOR HEIGHT	DOOR RATING	DOOR GLAZING	FRAME TYPE	FRAME MATERIAL	FRAME WIDTH	FRAME HEIGHT	FRAME RATING	FRAME GLAZING	HEAD	JAMB	SILL	HDW SET	REMARKS
1st FLOOR																		
320	1	G2-PR	WD	3' - 0"	7' - 0"	20 MIN	FPC	F11	HM	7' - 2"	8' - 0"	45 MIN	FPC	H-14	J-14	-	3.0	
320	2	G2-PR	WD	3' - 0"	7' - 0"	20 MIN	FPC	F11	HM	7' - 2"	8' - 0"	45 MIN	FPC	H-14	J-14	-	3.0	
320A	1	G2	AL	3' - 0"	7' - 0"	-	HCL	SA4	AL	0"	0"	-	-	-	-	-	1.0	1
320A	2	G2	WD	3' - 0"	7' - 0"	20 MIN	FPC	F4	HM	4' - 8"	7' - 2"	45 MIN	FPC	H-14	J-14/J-17	-	7.0	
320B	1	G2	AL	3' - 0"	7' - 0"	-	HCL	SA4	AL	0"	0"	-	-	-	-	-	1.0	1
320C	1	G2	WD	3' - 0"	7' - 0"	-	FC	F2	HM	3' - 4"	7' - 2"	-	-	H-13	J-13	-	1.0	
320D	1	G2	AL	3' - 0"	7' - 0"	-	HCL	SA5	AL	0"	0"	-	-	-	-	-	1.0	1
320E	1	G2	AL	3' - 0"	7' - 0"	-	HCL	SA6	AL	0"	0"	-	-	-	-	-	1.0	1
320F	1	G2	WD	3' - 0"	7' - 0"	20 MIN	FPC	F2	HM	3' - 4"	7' - 2"	45 MIN	FPC	H-13	J-13	-	7.0	
320F	2	G2	AL	3' - 0"	7' - 0"	-	HCL	SA7	AL	0"	0"	-	-	-	-	-	1.0	1
320H	1	G2	AL	3' - 0"	7' - 0"	-	HCL	SA1	AL	0"	0"	-	-	-	-	-	4.0	1
320H	2	G2	WD	3' - 0"	7' - 0"	20 MIN	FPC	F2	HM	3' - 4"	7' - 2"	45 MIN	FPC	H-13	J-13	-	7.0	
406A	1	F	HM	3' - 0"	7' - 0"	-	-	F2	HM	3' - 4"	7' - 2"	-	-	H-18	J-18 / J-18a	-	4.0	
600A	1	F	WD	3' - 0"	7' - 0"	20 MIN	-	F4	HM	5' - 0"	7' - 2"	45 MIN	FPC	H-14	J-14	-	8.0	
600A	2	F	HM	3' - 0"	7' - 0"	-	-	F2	HM	3' - 4"	7' - 2"	-	-	H-13	J-13	-	5.0	
WINDOWS																		
320G	1	-	-	0"	0"	-	-	F22	HM	3' - 0"	3' - 0"	45 MIN	FPC	H-13	J-13	H-13 SIM	-	
320G	2	-	-	0"	0"	-	-	F22	HM	1' - 0"	4' - 7"	45 MIN	FPC	H-13	J-13	H-13 SIM	-	
320G	3	-	-	0"	0"	-	-	F22	HM	1' - 0"	1' - 6"	45 MIN	FPC	H-13	J-13	H-13 SIM	-	
320G	4	-	-	0"	0"	-	-	F22	HM	3' - 0"	10"	45 MIN	FPC	H-13	J-13	H-13 SIM	-	
320G	5	-	-	0"	0"	-	-	F22	HM	11"	4' - 8"	45 MIN	FPC	H-13	J-13	H-13 SIM	-	
320G	6	-	-	0"	0"	-	-	F22	HM	1' - 4"	1' - 6"	45 MIN	FPC	H-13	J-13	H-13 SIM	-	
320G	7	-	-	0"	0"	-	-	F22	HM	3' - 8"	10"	45 MIN	FPC	H-13	J-13	H-13 SIM	-	
BOTTOM OF ROOF																		
400	1	G	FRP	3' - 0" +/- VIF	6' - 5" +/- VIF	-	FCE/HCL	F2	AL	3' - 4" +/- VIF	6' - 7" +/- VIF	-	-	5/AA600	6/AA600		12.0	

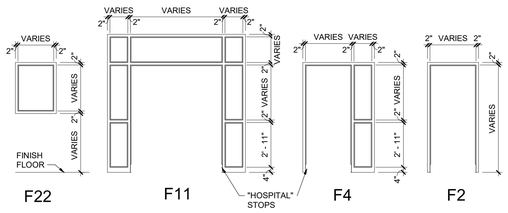
NOTES:
1. REFER TO STOREFRONT ELEVATIONS FOR FRAME GLAZING TYPE

GENERAL NOTES:
- VERIFY ALL DIMENSIONS IN THE FIELD
- REFER TO STOREFRONT ELEVATIONS FOR DETAILS, GLAZING AND FRAME INFORMATION



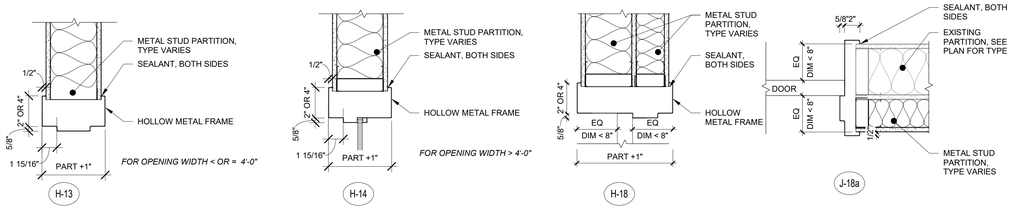
G G2 F

DOOR TYPES



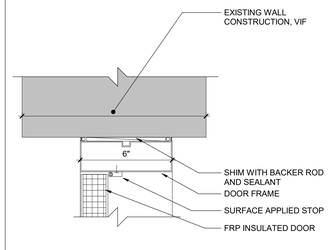
F22 F11 F4 F2

FRAME TYPES

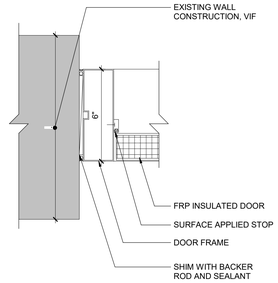


H-13 H-14 H-18 J-18a J-13 J-14 J-17 J-18

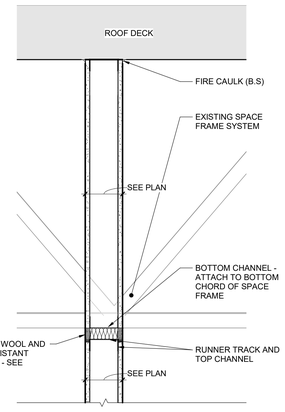
9 Hollow Metal Frame Details
1 1/2" = 1'-0"



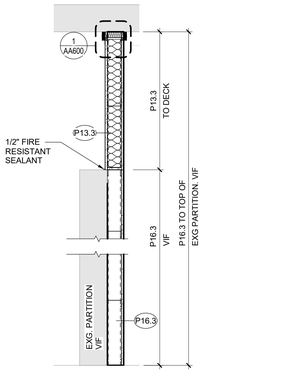
5 Head Detail
3" = 1'-0"



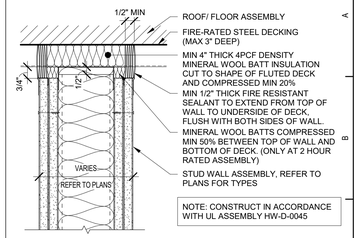
6 Jamb Detail
3" = 1'-0"



7 Top of Wall at Spaceframe
1 1/2" = 1'-0"

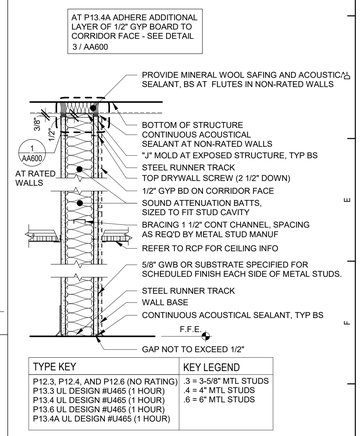


8 Wall Section - Typ at Exg Walls
3/4" = 1'-0"



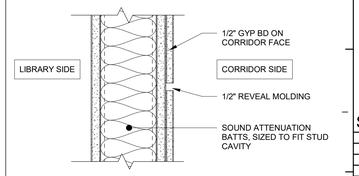
NOTE: CONSTRUCT IN ACCORDANCE WITH UL ASSEMBLY HW-D-0045

1 Typical Top of Wall Assembly (Rated)
3" = 1'-0"

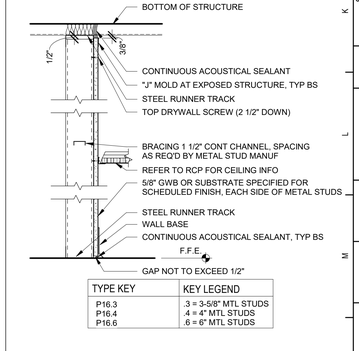


TYPE KEY	KEY LEGEND
P12.3, P12.4, AND P12.6 (NO RATING) P13.3 UL DESIGN #U465 (1 HOUR) P13.4 UL DESIGN #U465 (1 HOUR) P13.6 UL DESIGN #U465 (1 HOUR) P13.4A UL DESIGN #U465 (1 HOUR)	.3 = 3-5/8" MTL STUDS .4 = 4" MTL STUDS .6 = 6" MTL STUDS

2 Metal Stud Partition Type P12 and P13
1 1/2" = 1'-0"



3 P13.4A Detail
3" = 1'-0"



TYPE KEY	KEY LEGEND
P16.3 P16.4 P16.6	.3 = 3-5/8" MTL STUDS .4 = 4" MTL STUDS .6 = 6" MTL STUDS

4 Metal Stud Partition Type P16
1 1/2" = 1'-0"

General Door Notes

A. SEE DWG AA601 FOR ADDITIONAL INFORMATION AND DETAILS.

B. HARDWARE ON DOORS FROM SPACES OF PUPIL OCCUPANCY SHALL BE A TYPE WHICH WILL ALWAYS PERMIT THE DOOR TO BE OPENED FROM THE INSIDE WITHOUT DIRECT MANIPULATION OF ANY TYPE LOCKING DEVICE.

C. METAL VISION PANEL TRIM SHALL BE PAINTED SAME COLOR AS DOOR FRAMES.

D. ALL DOORS WITH ELECTRO-MAGNETIC HOLD OPEN DEVICES SHALL SWING TOWARDS ADJACENT WALLS. COORDINATE ALL INSTANCES WITH CONTRACTOR RESPONSIBLE FOR ELECTRICAL WORK, AND SEE ELECTRICAL DWGS.

E. ALL DOOR HARDWARE FROM OCCUPIED SPACES SHALL BE OF A TYPE THAT WILL ALWAYS PERMIT THE DOOR TO BE OPENED FROM WITHIN THE SPACE WITHOUT USE OF A KEY.

F. ALL HM FRAMES IN CMU WALLS SHALL BE GROUTED SOLID.

G. APPLY CONTINUOUS JOINT SEALANT TO ALL JOINTS BETWEEN FRAMES AND WALLS, TYP ALL.

H. PAINT ALL HM DOORS AND FRAMES IN ACCORDANCE W/ SECTION 099100.

I. PROVIDE LINTELS AT ALL DOOR AND WINDOW OPENINGS IN ACCORDANCE WITH LINTEL SCHEDULE ON STRUCTURAL DWGS.

J. PROVIDE WINDOW TREATMENTS AT SIDELIGHTS, EXCLUDING TRANSOM DIRECTLY ABOVE DOORS. REFER TO WINDOW TREATMENT PLANS FOR LOCATIONS.

K. NOTE THAT DUE TO REQUIREMENTS IN THE BCNYS, SOME FIRE RESISTANCE RATINGS MAY DIFFER BETWEEN DOORS (AND ITS GLASS, IF ANY) AND THAT DOOR'S FRAME ESPECIALLY IF THAT FRAME HAS GLASS (SIDELITES; TRANSOMS; ETC).

L. ADDITIONAL DOOR SCHEDULE DESIGNATIONS

- NOT APPLICABLE

NOT APPLICABLE OR TO BE COORDINATED WITH STOREFRONT TYPES

General Window Notes

A. GLASS UNITS SHALL BE TYPE FC, TYP UNO.

B. PROVIDE ALL ALUMINUM FLASHINGS, RECEIVERS, TRIM AND SILLS REQUIRED FOR A COMPLETE AND FINISHED INSTALLATION REGARDLESS OF IF SHOWN ON DRAWINGS.

C. REFER TO WINDOW TREATMENTS AS SHOWN ON DRAWINGS.

D. GLAZING SYSTEMS FRAME TYPE KEY:

F HOLLOW METAL
S ALUMINUM STOREFRONT

E. PROVIDE INTERNAL STEEL REINFORCEMENT TO WINDOW, STOREFRONT AS REQUIRED TO COMPLY WITH LOADING OR OTHER DESIGN CRITERIA, OR AS RECOMMENDED BY MANUFACTURER.

F. ALUMINUM WINDOW, STOREFRONT FRAME EXTRUSIONS ARE INTENDED AS GENERIC GRAPHIC REPRESENTATIONS ONLY.

Glazing Legend

HATCHED AREA INDICATES AREAS OF HCL-2 LAMINATED GLAZING

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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BID SET

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

TETRA TECH
ARCHITECTS & ENGINEERS

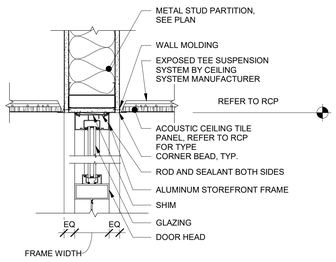
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

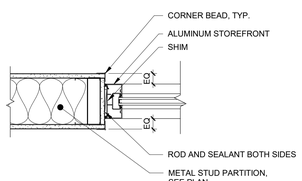
Door Schedule, Door, Window and Wall Types, and Details

Drawn By:	Date:	Drawing Number:
ZV	10/13/2023	AA600

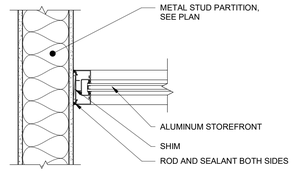
Project No.: 276721-23001



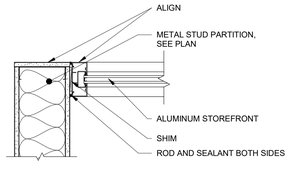
1 Head Detail
1 1/2" = 1'-0"



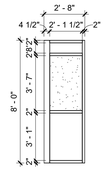
2 Jamb Detail
1 1/2" = 1'-0"



3 Jamb Detail
1 1/2" = 1'-0"

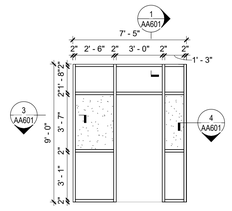


4 Jamb Detail
1 1/2" = 1'-0"



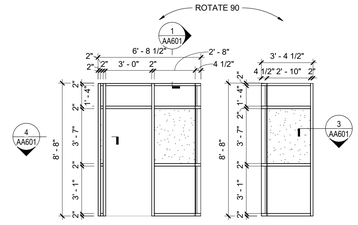
GLAZING: HCL, UNO

SA12 - CIRCULATION DESK



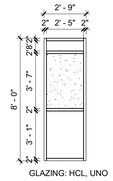
GLAZING: HCL, UNO

SA7



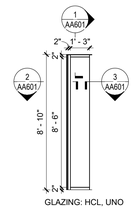
GLAZING: HCL, UNO

SA1



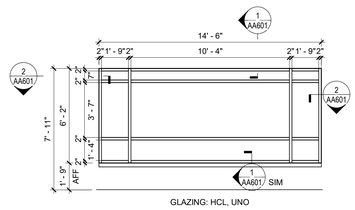
GLAZING: HCL, UNO

SA13 - CIRCULATION DESK



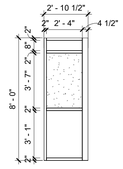
GLAZING: HCL, UNO

SA8



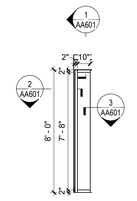
GLAZING: HCL, UNO

SA2



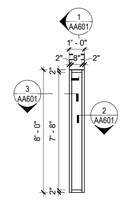
GLAZING: HCL, UNO

SA14 - CIRCULATION DESK



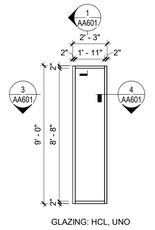
GLAZING: HCL, UNO

SA9



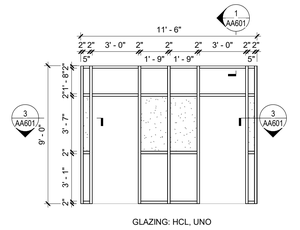
GLAZING: HCL, UNO

SA3



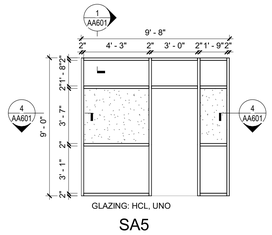
GLAZING: HCL, UNO

SA10



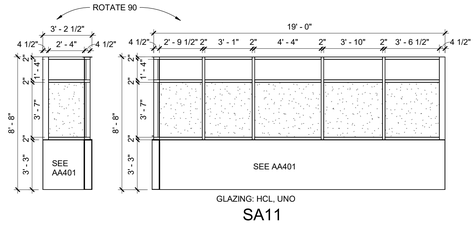
GLAZING: HCL, UNO

SA4



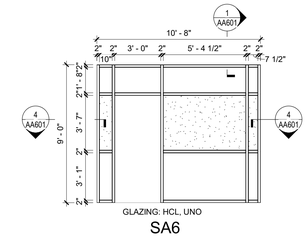
GLAZING: HCL, UNO

SA5



GLAZING: HCL, UNO

SA11



GLAZING: HCL, UNO

SA6

General Window Notes

A. GLASS UNITS SHALL BE TYPE FC, TYP UNO.

B. PROVIDE ALL ALUMINUM FLASHINGS, RECEIVERS, TRIM AND SILLS REQUIRED FOR A COMPLETE AND FINISHED INSTALLATION REGARDLESS OF IF SHOWN ON DRAWINGS.

C. REFER TO WINDOW TREATMENTS AS SHOWN ON DRAWINGS.

D. GLAZING SYSTEMS FRAME TYPE KEY:

F HOLLOW METAL
S ALUMINUM STOREFRONT

E. PROVIDE INTERNAL STEEL REINFORCEMENT TO WINDOW, STOREFRONT AS REQUIRED TO COMPLY WITH LOADING OR OTHER DESIGN CRITERIA, OR AS RECOMMENDED BY MANUFACTURER.

F. ALUMINUM WINDOW, STOREFRONT FRAME EXTRUSIONS ARE INTENDED AS GENERIC GRAPHIC REPRESENTATIONS ONLY.

Glazing Legend

HATCHED AREA INDICATES AREAS OF HCL-2 LAMINATED GLAZING

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

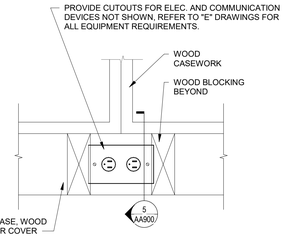
TETRA TECH
ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

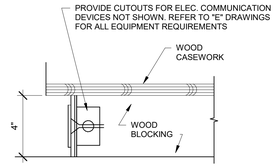
Reconstruction to:
Walter Panas High School

Storefront Types and Details

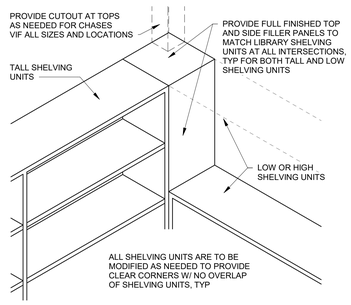
Drawn By:	Date:	Drawing Number:
ZV	10/13/2023	AA601
Project No.: 276721-23001		



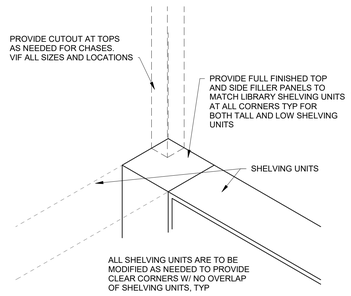
4 Base Outlet Detail
3" = 1'-0"



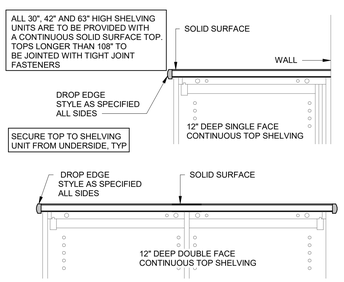
5 Base Outlet Detail
3" = 1'-0"



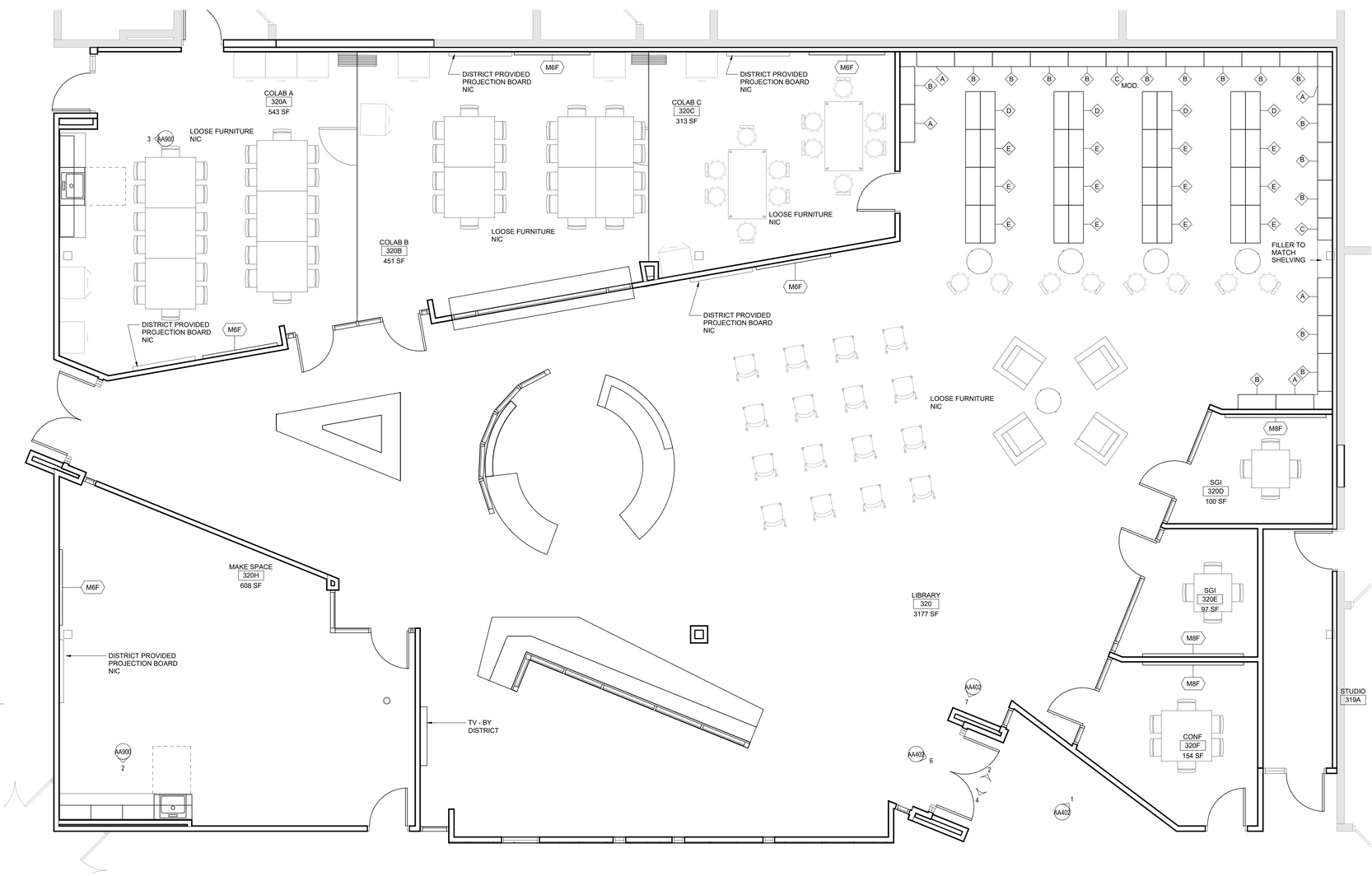
6 Corner Filler @ Library Casework
3/4" = 1'-0"



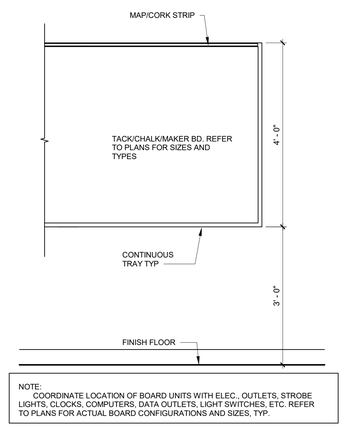
7 Corner FIller @ Library Casework
3/4" = 1'-0"



8 Continuous Canopy Top
3/4" = 1'-0"



1 First Floor Plan - Area F
1/4" = 1'-0"



NOTE:
COORDINATE LOCATION OF BOARD UNITS WITH ELEC., OUTLETS, STROBE LIGHTS, CLOCKS, COMPUTERS, DATA OUTLETS, LIGHT SWITCHES, ETC. REFER TO PLANS FOR ACTUAL BOARD CONFIGURATIONS AND SIZES, TYP.

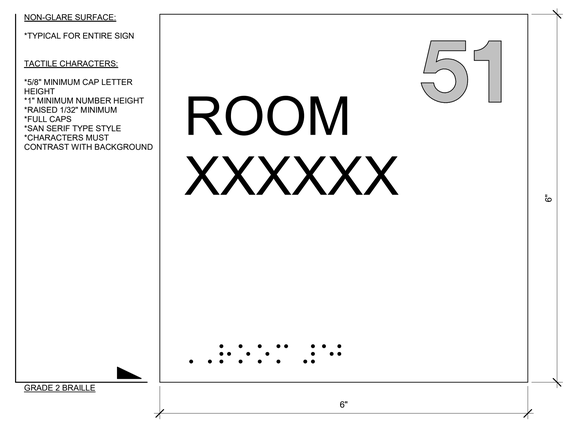
9 Typical Standard Mounting Height
3/4" = 1'-0"

NON-GLARE SURFACE:

*TYPICAL FOR ENTIRE SIGN

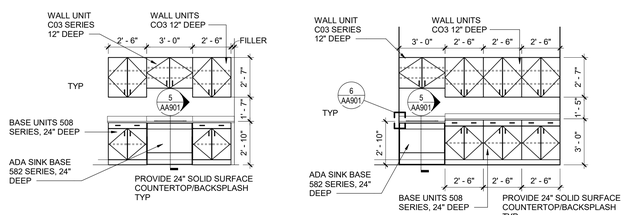
TACTILE CHARACTERS:

*5/8" MINIMUM CAP LETTER HEIGHT
*1" MINIMUM NUMBER HEIGHT
*RAISED 1/32" MINIMUM
*FULL CAPS
*SAN SERIF TYPE STYLE
*CHARACTERS MUST CONTRAST WITH BACKGROUND



TYPE 5 - Typical Permanent Room Plaque

10 Typical Permenant Room Plaque
12" = 1'-0"



3 COLAB 320B
1/4" = 1'-0"

2 Maker Space 320K
1/4" = 1'-0"

LIBRARY SHELVING SCHEDULE

A	WORDEN	SHELVING - STARTER	36"W X 82 " H X 14" D	
B	WORDEN	SHELVING - ADDER	36"W X 82" H X 14" D	
C	WORDEN	SHELVING - ADDER	21"W X 82" H X 14" D	MODIFY ARE REQUIRED
D	WORDEN	SHELVING - DOUBLE STARTER	36"W X 42" H X 24" D	PROVIDE WITH SOLID SURFACE TOPS - SEE DETAILS
E	WORDEN	SHELVING - DOUBLE ADDER	36"W X 42" H X 24" D	PROVIDE WITH SOLID SURFACE TOPS - SEE DETAILS

PROVIDE ADDITIONAL FILLER PANELS AT ALL LOCATIONS TO COMPLETE INSTALL - REFER TO NOTES AND PLANS.

REFER TO DRAWING AA900 FOR LIBRARY SHELVING NOTES.

REFER TO DRAWING AA900 FOR SHELVING TOP DETAIL.

MODIFICATIONS TO SHELVING UNITS IS REQUIRED TO PROVIDE A COMPLETE INSTALLATION.

Board Unit Key

PROVIDE MARKER/CHALK/TACK BOARDS UNITS AS DESIGNATED ON PLANS BY SYMBOLS BELOW. SEE DETAIL 9/AA900 AND SPECIFICATION SECTIONS 10 11 00 FOR ADDITIONAL INFORMATION

M8F 8'-0" L x 4'-0" H LIQUID CHALK BOARD - FIXED

M6F 6'-0" L x 4'-0" H LIQUID CHALK BOARD - FIXED

General Library Notes

A. THE LIBRARY EQUIPMENT SHOWN ARE BASED ON WORDEN REFER TO THE PROJECT MANUAL, SECTION 12 56 51 FOR DETAILED SPECIFICATIONS.

B. ALL SHELVING UNITS, BOTH SINGLE AND DOUBLE ARE TO BE PROVIDE WITH WOOD END PANELS.

C. ALL LIBRARY SHELVING IS TO BE PROVIDED WITH CANOPY TOPS AS LISTED BELOW:

-ALL 30", 42" AND 63" HIGH SHELVING UNITS ARE TO BE PROVIDED WITH A CONTINUOUS SOLID SURFACE TOP WITH EDGE BAND TO MATCH DETAILS.

-ALL 82" AND 96" HIGH SHELVING UNITS ARE TO BE PROVIDED WITH A CANOPY WOOD TOP TO MATCH WORDEN'S SHELVING UNITS.

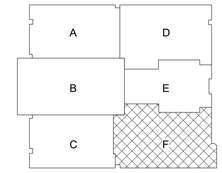
-ALL SINGLE FACED SHELVING UNITS ARE TO BE FURNISHED AND INSTALLED WITH BACKS AS PER SPECIFICATIONS. SECURE ALL SINGLE FACED SHELVING TO WALLS.

D. PROVIDE SOLID HARDBOARD BACKS FOR ALL SHELVING UNITS UNLESS OTHERWISE NOTED. PROVIDE FINISHED BACK PANELS FOR DOUBLE FACE SHELVING UNITS UNO.

E. PROVIDE FINISHED FILLER PANELS BOTH VERTICAL AND HORIZONTAL ALL FILLER SIZE ARE TO VERIFIED IN FIELD.

F. ALL SHELVING UNITS ARE TO BE FIELD VERIFIED PRIOR TO FABRICATION, MODIFY UNITS AS REQUIRED, SEE DETAILS.

G. PROVIDE SHOP DRAWINGS SHOWING FIELD VERIFIED LAYOUTS OF ALL SHELVING, FURNITURE AND EQUIPMENT INCLUDING UV SHELVING UNITS SHOW DETAILS OF GRILLS, LOUVERS AND CHASES.



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

Enlarged Plans, Elevations and Details

Drawn By:	Date:	Drawing Number:
MHH	10/13/2023	AA900
Project No.: 276721-23001		

General Finish Notes

ALL FINISH PRODUCTS ARE TO BE INSTALLED IN ACCORDANCE WITH CONTRACT SPECIFICATION AND MANUFACTURES INSTRUCTIONS. REFER TO SPECIFICATIONS AND FINISH DETAILS FOR ADDITIONAL INFORMATION ON INSTALLATION OF SPECIFIED MATERIALS,

A. ALL PAINTS FOR INTERIOR AND EXTERIOR ARE TO BE APPLIED IN ACCORDANCE WITH SPECIFICATION SECTION 09 91 00 AND 09 96 00.

B. ALL EXPOSED STRUCTURES, INCLUDING BUT NOT LIMITED TO PIPING AND FIREPROOFING, CONDUIT, AND ALL ASSOCIATED EQUIPMENT ARE TO BE PAINTED.

C. APPLY PAINT TO BOTH NEW AND EXISTING ITEMS IN ALL AREAS INDICATED WITH A FINISH BOX AND/OR NOTES - THESE ITEMS ARE INCLUDING BUT ARE NOT LIMITED TO:
- DOOR/FRAMES - BOTH SIDES GLAZING FRAMES IN DOOR/WALLS- BOTH SIDES, ALL EXPOSED, ALL ITEMS ARE TO BE ACCENT COLORS.

D. PATTERNS AND COLORS FOR FLOORS AND WALLS ARE TO BE ISSUED DURING THE CONSTRUCTION PHASE. INCLUDING ALL ACCENT LOCATIONS. SUBMIT SHOP DRAWINGS SHOWING DETAILED LAYOUTS OF EACH AREA, INCLUDING EDGES AND TRANSITIONS, ALL LAYOUTS ARE TO BE CENTERED IN EACH ROOM UNO - TYP ALL DRAWINGS. ABOVE REQUIREMENTS ARE TO INCLUDE BUT NOT LIMITED TO:
- CERAMIC TILE, BOTH WALL AND FLOOR.
- TERRAZZO AND BASE
- CARPET
- VCT
- LVT
- RUBBER

E. FIELD AND ACCENT PAINT AS ISSUED DURING THE CONSTRUCT ION PHASE. CONTRACTOR IS TO ASSUME ALL FIELD AND ACCENT COLORS ARE DIFFERENT ROOM TO ROOM. AS WELL AS WITHIN EACH ROOM, REQUIREMENTS ARE TO INCLUDE BUT ARE NOT LIMITED TO:
- WALL, FIELD COLOR
- WALL, ACCENT COLOR
- CEILING CLOUDS, ACCENT COLOR
- SOFFITS, ACCENT COLOR
- DOOR AND WINDOW FRAMES, ACCENT COLOR
- EXPOSED COLUMNS, ACCENT COLOR
- EXPOSED DECKS, ACCENT COLOR
- EXPOSED JOISTS, ACCENT COLOR
- EXPOSED DUCTWORK, ACCENT COLOR

F. PROVIDE PAINT AT ALL NEW SOFFITS, REFER TO REFLECTIVE CEILING PLANS FOR ADDITIONAL LOCATIONS.

G. ALL EXPOSED BRICK, GROUND FACE BLOCK IS TO REMAIN UNPAINTED, UNO.

H. CONFIRM WITH OWNER AND ARCHITECT PRIOR TO PAINTING OVER MURALS ON EXISTING SURFACES.

I. PROVIDE PAINT AND RUBBER BASE AT ALL NEW CHASES, REFER TO NEW WORK PLANS FOR ADDITIONAL LOCATIONS.

J. REFER TO STRUCTURAL DRAWINGS FOR LOCATIONS OF SLAB DEPRESSIONS. REFER TO FINISH MATERIAL SPECIFICATION SECTIONS FOR SLAB DEPRESSION DEPTH REQUIREMENTS.

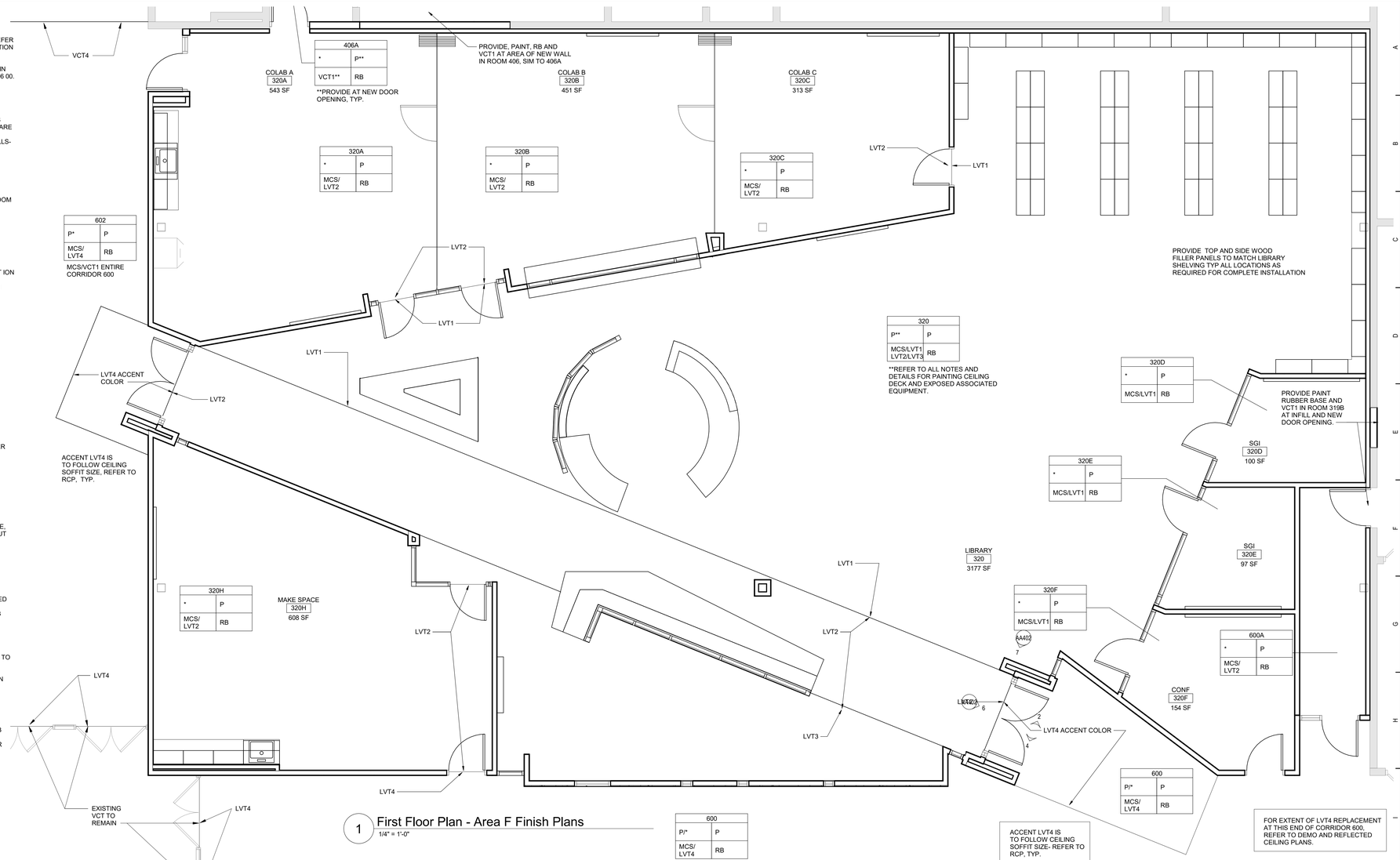
K. CARPET IS TO RUN WALL TO WALL, UNDER ALL FURNITURE, MOVEABLE EQUIPMENT AND LIBRARY SHELVING UNITS, INCLUDING ALL UNITS AT THE PERIMETER WALLS.

L. FOR ALL RENOVATED AREAS REQUIRING FINISH WORK REMOVE, PROTECT AND REINSTALL MOVABLE EQUIPMENT INCLUDING BUT NOT LIMITED TO: BOARD UNITS, LOCKERS GYM EQUIPMENT, SHADES/BLINDS, BOOKCASES ETC. REINSTALL IN ORIGINAL LOCATION, OR AS NOTED ON DRAWINGS, COORDINATE WITH OWNER. REFER TO SPEC SECTION O1 23 00 ALTERATION PROJECT PROCEDURES FOR MORE INFORMATION.

M. FIELD VERIFY ALL CONTROL JOINTS LOCATIONS IN CONCRETE SLAB. LOCATE CONTROL JOINTS IN EXG/NEW FLOOR FINISH MATERIAL DIRECTLY ABOVE SLAB JOINTS OR AS RECOMMENDED BY FLOORING MATERIAL MANUFACTURER.
- AT NEW SLABS REFER TO STRUCTURAL DRAWINGS FOR SLAB CONTROL JOINT LOCATIONS.
- AT EXISTING SLABS, FIELD VERIFY LOCATIONS OF EXISTING SLAB CONTROL JOINTS.
- REFER TO FINISH DRAWINGS AND SPECIFICATIONS FOR NEW FLOOR MATERIALS.
COORDINATE FLOOR PATTERNS WITH CONTROL JOINT PRIOR TO SUBMISSION OF REQUIRED FLOOR PATTERN DRAWINGS.

N. INSTALLER IS TO FIELD VERIFY ALL EXG AND NEW FLOOR DRAIN LOCATIONS IN ALL EXG AND NEW SLABS AS PART OF THIS PROJECT.
* REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR DEMO AREAS AND REQUIREMENTS.
* REFER TO PLUMBING DRAWINGS FOR EXG AND NEW FLOOR DRAIN LOCATIONS.
* REFER TO STRUCTURAL DRAWINGS FOR LOCATIONS OF SLAB DEPRESSIONS.
* REFER TO FINISH DRAWINGS FOR LOCATIONS OF NEW FLOOR FINISH MATERIALS AND FLOORING SLOPE.
* REFER TO FINISH MATERIAL SPECIFICATION SECTIONS FOR SLAB DEPRESSION DEPTH REQUIREMENTS.

O. PROVIDE ALL FINISHES AS INDICATED BY ROOM FINISH BOX AND/OR AS NOTED ON DRAWINGS.



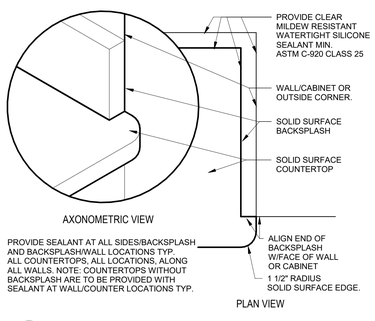
1 First Floor Plan - Area F Finish Plans
1/4" = 1'-0"

Room Finish Key

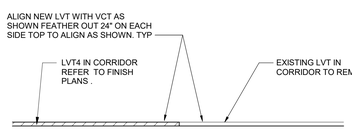
LVT1	LUXURY VINYL TILE 1
LVT2	LUXURY VINYL TILE 2
LVT3	LUXURY VINYL TILE 3
LVT4	LUXURY VINYL TILE 4 (CORRIDOR TILE)
MCS	MOISTURE CONTROL SYSTEM (SPEC 03 54 15)
N	NO WORK REQUIRED
P	PAINT SURFACE(S) INCLUDING SOFFITS
RB	RUBBER BASE
VCT1	VINYL COMPOSITION TILE - TYPE 1
*	SEE REFLECTED CEILING PLAN
	INDICATED CHANGE IN FLOOR FINISH
NOTE:	ALL FINISHES LISTED MAY NOT BE REQUIRED FOR THIS PROJECT.

FINISHES SHOWN IN ROOM FINISH BOX ARE FOR ALL WALLS AND ENTIRE FLOOR AND CEILING REFER TO EACH ROOM FOR MORE INFORMATION.

RM#	
CLG*	WALL
FLR	BASE

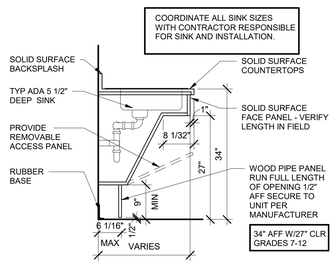


6 Solid Surface Countertop Edge Detail
3" = 1'-0"

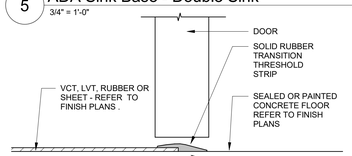


NOTE:
REFER TO SPECIFICATIONS FOR TRANSITION TYPES.
REFER TO FINISH PLANS FOR ALL LOCATIONS, TYPICAL .
THRESHOLD TO MEET ALL ADA CRITERIA
RATED DOOR UNDERCUT DISTANCE TO MEET REQUIRED NFPA CRITERIA.

4 TYP Threshold Detail - LVT to VCT
6" = 1'-0"

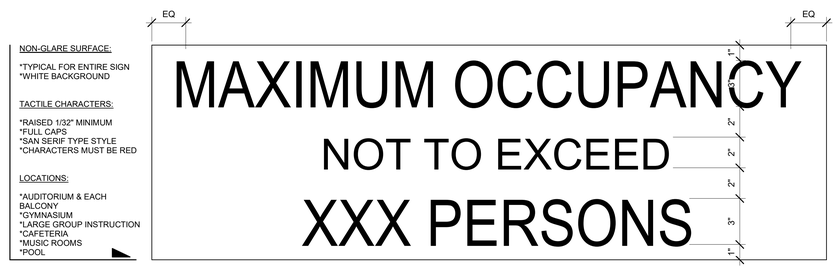


5 ADA Sink Base - Double Sink
3/4" = 1'-0"



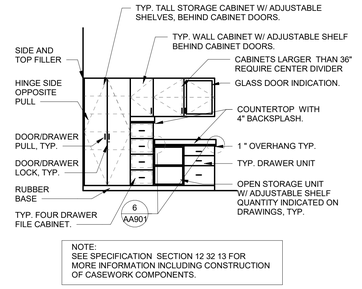
NOTE:
REFER TO SPECIFICATIONS FOR TRANSITION TYPES.
REFER TO FINISH PLANS FOR ALL LOCATIONS, TYPICAL .
THRESHOLD TO MEET ALL ADA CRITERIA
RATED DOOR UNDERCUT DISTANCE TO MEET REQUIRED NFPA CRITERIA.

3 Threshold Detail
6" = 1'-0"



7 Typical Maximum Occupancy Plaque
3" = 1'-0"

TYPE 1 - Typical Maximum Occupancy Plaque



NOTE:
SEE SPECIFICATION SECTION 12 32 13 FOR MORE INFORMATION INCLUDING CONSTRUCTION OF CASEWORK COMPONENTS.

2 Typical Casework Designations
1/4" = 1'-0"

General Wood Casework Notes

FOR ALL CONTRACTOR RESPONSIBILITIES REFER TO SPECIFICATION SECTION 01 10 00/01 12 00.

A. THE CASEWORK SHOWN ON THE DRAWINGS IS BASED ON DIVERSIFIED WOOD CASEWORK. REFER TO THE PROJECT MANUAL, SECTION 12 32 13 FOR DETAILED SPECIFICATIONS.

B. ALL STANDARD CASEWORK DIMENSIONS TO BE MODIFIED TO CORRESPOND WITH THE DIMENSIONS NOTED ON THE DRAWINGS. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF CABINETS

C. MODEL NUMBERS LISTED ON DRAWINGS APPLY TO ELEVATIONS SHOWN. PROVIDE OPPOSITE HAND MODELS WHERE SHOWN.

D. PROVIDE FULL DEPTH SHELVES AT BASE, WALL AND TALL CABINETS, UNLESS NOTED OTHERWISE.

E. BASE AND TALL CABINETS ARE 24 INCHES DEEP. U N O. WALL CABINETS ARE 14 INCHES DEEP, UNO BASE CABINET DEPTH DOES NOT INCLUDE 1" COUNTERTOP OVERHANG, TYP.

F. PROVIDE FINISHED ENDS, BACK EXTENSIONS, SCRIBES AND FINISHED FILLER PANELS ON ALL CABINETS. FILLER PANELS ARE NOT TO EXCEED 3" WIDE, UNLESS NOTED OTHERWISE. PROVIDE TOP AND BOTTOM FILLER PANELS AT ALL BASE & WALL UNITS. SUBMIT SHOP DRAWINGS SHOWING DETAILS OF THESE CONDITIONS.

G. ALL COUNTERTOPS TO BE SOLID SURFACE UNLESS NOTED OTHERWISE. BACKSLASHES TO BE 4" HIGH, TYP. PROVIDE CAULK AT ALL JOINTS LOCATIONS, TYP.

H. RADIUS COUNTERTOPS AT COUNTERTOPS ENDS MEETING TALL SHELVING UNITS WITH A DEPTH LESS THAN COUNTERTOP DEPTH. RADIUS TO BE 1-1/2" UNLESS NOTED OTHERWISE. REFER TO DETAILS.

I. PROVIDE COUNTERTOP CUT-OUTS FOR SINK , FAUCETS ETC. COORDINATE WITH ALL REQUIRED CONTRACTORS.

J. PROVIDE CUTS AT ALL CONDITIONS THAT INTERFERE WITH COUNTERTOPS/CABINETS: SCRIBE TO FIT.

K. PROVIDE SHOP DRAWINGS SHOWING LOCATIONS AND DETAILS FOR ALL GRILLES, LOUVERS, REMOVABLE PANELS, VALVE LOCATIONS ETC. ASSOCIATED WITH CASEWORK COORDINATE WITH ALL REQUIRED CONTRACTORS.

L. PROVIDE CABINETS WITH FINISHED SIDES, INCLUDING BUT NOT LIMITED TO, LOCATIONS OF ADJACENT CABINETS OR EQUIPMENT WITH A DEPTH LESS THAN CABINET OR EQUIPMENT.

M. PROVIDE ALL STANDARD FEATURES OF CASEWORK UNITS AS INDICATED BY MODEL NUMBER OR AS SHOWN ON PLANS, DETAILS AND ELEVATIONS, INCLUDED BUT NOT LIMITED TO: OUTLETS, SWITCHES, LIGHTS ETC.

N. PROVIDE BLOCKING AT NEW AND EXISTING GYPSUM BOARD WALLS PER MANUFACTURER RECOMMENDATIONS FOR SUPPORT OF WALL /TALL MOUNTED UNITS. REFER TO SPECIFICATION SECTION 06 10 00 FOR WOOD BLOCKING RESPONSIBILITIES.

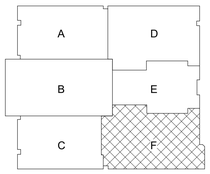
O. PROVIDE LOCKS AT ALL CASEWORK DOORS/DRAWERS AND FILE UNITS TYP.

P. PROVIDE AS NOTED ON DRAWINGS AND DETAILS: 2" GROMMETS AT OPEN BASE COUNTERS 30"/36" OC, WIRE MANAGEMENT, KEY BOARD TRAYS AND CABLE TRAYS.

Q. PROVIDE ALL CUTOUTS AS SHOWN ON CASEWORK PLANS AND ELEVATIONS OR AS REQUIRED. CUTOUTS ARE TO INCLUDE BUT NOT LIMITED TO: ALL ELEC BOXES, OUTLETS, AND ASSOCIATED WIRING AND FINAL HOOK-UP.

R. PROVIDE REMOVABLE BACK PANELS AT ALL SINK BASE CABINETS, INCLUDING ADA FUMEHOODS, EYEWASH AND SAFETY STATIONS.

S. REFER TO BOTH 1/8" AND 1/4" PLANS FOR LAYOUTS.



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

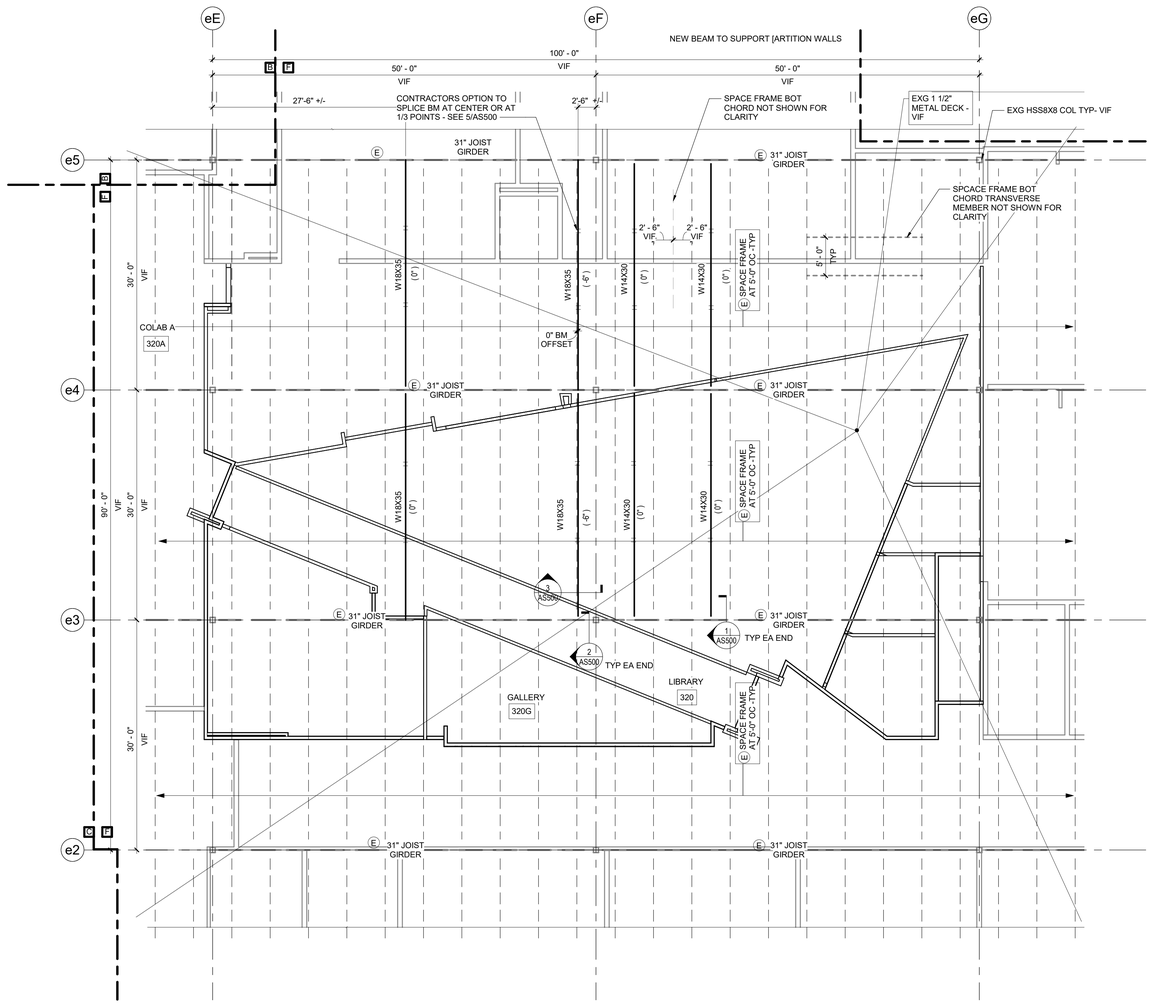
TETRA TECH
ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

First Floor Plan- Area F- Finish Plans

Drawn By:	Date:	Drawing Number:
MHH	10/13/2023	AA901
Project No.: 276721-23001		



1 Partial Roof Framing Plan - Area F

1/8" = 1'-0"

DATUM FOR EXISTING TOP OF STEEL IS AT 113'-0" - VIF

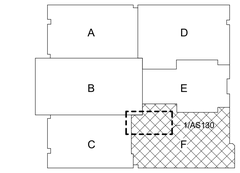
General Notes:

A. DIMENSIONS AND ELEVATIONS SHOWN ON PLAN AS PLUS/MINUS (+/-) AND VIF ARE TO BE CONSIDERED APPROXIMATE. EXACT VALUES FOR ALL (+/-) AND VIF DIMENSIONS ARE TO BE DETERMINED BY THE CONTRACTOR IN THE FIELD THROUGH A PRELIMINARY BUILDING LAYOUT. CONTRACTOR TO VERIFY EXISTING DIMENSIONS, ELEVATIONS AND CONDITIONS AND NOTIFY A/E OF ANY DISCREPANCIES PRIOR TO COMMENCING WORK. COORDINATE INFORMATION WITH OTHER TRADES.

B. REFER TO SHEET AS500 FOR GENERAL NOTES AND LINTEL SCHEDULE.

C. REFER TO SHEET AS500 FOR TYPICAL DETAILS.

D. TOS FOR JOIST GIRDERS IS 0' -2" BELOW 113' -0".



Key Plan
N.T.S.

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Rev. No.:	Date:	Description:

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BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

Partial Roof Framing Plan - Area F

Drawn By:	Date:	Drawing Number:
NDC/kjr	10/13/2023	AS130

Project No.: 276721-23001

COMPONENTS & CLADDING WIND PRESSURE (PSF)

MEAN ROOF HEIGHT, "h" (FT)	EFFECTIVE WIND AREA (SQ FT)	ROOF										WALLS			
		ZONE 1'		ZONE 1		ZONE 1/1'	ZONE 2			ZONE 3			ZONE 4		ZONE 5	
		MIDDLE INTERIOR		INTERIOR		OVERHANG	EDGE		OVERHANG	CORNER		OVERHANG	INTERIOR		CORNER	
13.00	≤ 10	-24.5	16.0	-42.7	16.0	-38.6	-56.3	24.5	-52.2	-56.3	24.5	-52.2	-26.5	24.5	-32.7	24.5
	20	-24.5	16.0	-39.8	16.0	-37.9	-52.7	23.4	-47.4	-52.7	23.4	-47.4	-25.5	23.4	-30.5	23.4
	50	-24.5	16.0	-36.1	16.0	-37.0	-47.9	22.0	-41.0	-47.9	22.0	-41.0	-24.0	22.0	-27.6	22.0
	100	-24.5	16.0	-33.3	16.0	-36.3	-44.3	20.9	-36.2	-44.3	20.9	-36.2	-22.9	20.9	-25.5	20.9
	≥ 500	-16.6	16.0	-26.8	16.0	-25.0	-35.9	18.4	-25.0	-35.9	18.4	-25.0	-20.4	18.4	-20.4	18.4

NOTES:

1. MEAN ROOF HEIGHT IS MEASURED ABOVE DATUM FFE, ELEVATION = 100'-0".

2. REFER TO ASCE 7-16 FOR DEFINITION OF TERMS. FOR THE DIMENSIONS OF EACH ZONE, REFERENCE FIGURE 30.4-1 IN ASCE 7-16 AND USE "h" FROM ABOVE TABLE TO DETERMINE 0.6h AND 0.2h.

3. THESE TABLES ARE TO BE USED FOR WIND LOAD CONTRIBUTION TO TOTAL LOAD ACTING ON ANY COMPONENT OR CLADDING MEMBER WHICH IS PART OF A ROOF OR EXTERIOR WALL ASSEMBLY. EXAMPLES OF COMPONENTS AND CLADDING INCLUDE, BUT ARE NOT LIMITED TO ROOF JOISTS, WALL STUDS, ROOF DECK FASTENERS, VENEER TIES, WINDOWS, AND THEIR ATTACHMENTS.

4. FOR EFFECTIVE WIND AREA VALUES LISTED IN THE TABLE ABOVE, PRESSURE VALUES MAY INTERPOLATED; OTHERWISE USE THE VALUE ASSOCIATED WITH THE LOWER EFFECTIVE WIND AREA.

5. POSITIVE PRESSURES (+) ACT TOWARDS THE BUILDING, NEGATIVE PRESSURES (-) ACT AWAY FROM THE BUILDING, POSITIVE AND NEGATIVE PRESSURES DO NOT ACT SIMULTANEOUSLY. PRESSURES ARE APPLIED TO THE SURFACE OF THE COMPONENT OR CLADDING.

6. DESIGN VALUES SHOWN IN THIS TABLE ARE ULTIMATE VALUES FOR USE WITH LRFD DESIGN. VALUES MAY BE MULTIPLIED BY 0.6 FOR USE WITH SERVICE LEVEL OR ASD DESIGN. REFER TO THE BUILDING CODE FOR APPLICABLE LOAD COMBINATIONS.

Structural Loads:

A. FLOOR LIVE LOADS PER BCNYS 1607

OCCUPANCY OR USE	UNIFORM	CONCENTRATED
FIRST FLOOR CORRIDORS	100 PSF	1000 LBS
LIBRARY		
READING ROOMS	60 PSF	1000 LBS
STACK ROOMS	150 PSF	1000 LBS
(WITH LIMITATIONS PER TABLE 1607.1 NOTE b.)		

REDUCTION IN LIVE LOADS HAS BEEN APPLIED WHERE PERMITTED PER 1607.11

B. ROOF LIVE LOADS PER BCNYS 1607.13
MINIMUM ROOF LIVE LOAD — 20 PSF

C. RAIN LOADS PER BCNYS 1611
RAIN INTENSITY, i — 2.75 IN/HR

RAIN SURCHARGE LOAD HAS BEEN APPLIED TO AREAS WHERE PONDING OCCURS IN ACCORDANCE WITH BCNYS 1611.1.

D. SNOW LOADS PER BCNYS 1608

GROUND SNOW, P_g (FIGURE 1608.2)	30 PSF
FLAT ROOF SNOW LOAD, P_f (ASCE 7)	23.1 PSF
SNOW EXPOSURE FACTOR, C_e	1.0
THERMAL FACTOR, C_t	1.0
SLOPE FACTOR, C	1.0
SNOW LOAD IMPORTANCE FACTOR, I_S	1.1

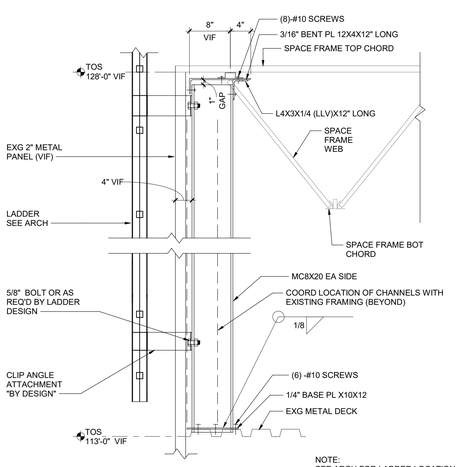
ADDITIONAL SNOW LOADS HAVE BEEN APPLIED TO AREAS WHERE DRIFTING OCCURS IN ACCORDANCE WITH BCNYS 1608.

E. WIND LOAD DESIGN CRITERIA PER BCNYS 1609

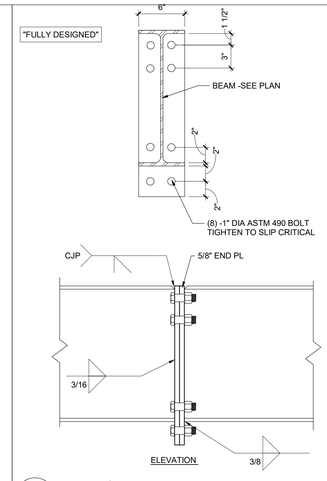
BASIC DESIGN WIND SPEED (3 SECOND GUST), V	122 MPH
ALLOWABLE STRESS DESIGN WIND SPEED, V_{asd}	94.5 MPH
RISK CATEGORY	I I I
EXPOSURE CATEGORY	B
INTERNAL PRESSURE COEFFICIENT, GCPi	+/- 0.18

F. SEISMIC DESIGN CRITERIA PER BCNYS 1613

RISK CATEGORY	I I I
SEISMIC IMPORTANCE FACTOR, I_e	1.25
MAPPED SPECTRAL RESPONSE ACCELERATION	
AT SHORT PERIODS, S_S	0.281%g
AT 1 SECOND PERIODS, S_1	0.061 %g
SITE CLASS	D (DEFAULT)
DESIGN SPECTRAL RESPONSE ACCELERATION	
AT SHORT PERIODS, S_{DS}	0.295 %g
AT 1 SECOND PERIODS, S_{D1}	0.097 %g
SEISMIC DESIGN CATEGORY	B



7 Ladder Attachment
1" = 1'-0"



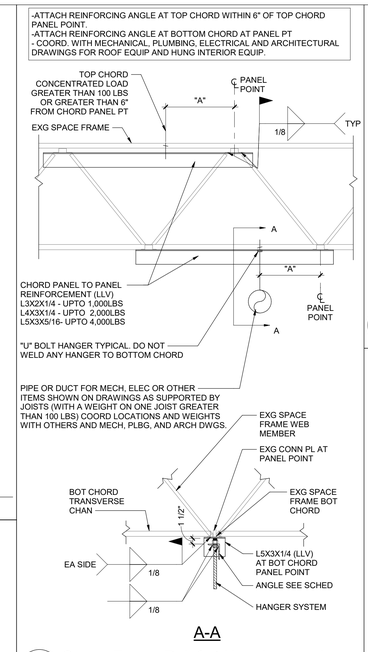
5 Beam Splice Detail
1 1/2" = 1'-0"

UNLESS NOTED OTHERWISE, BEAM TO COLUMN AND BEAM TO GIRDER CONNECTIONS SHALL BE SIMPLE SHEAR CONNECTIONS UTILIZING FULLY PRETENSIONED HIGH-STRENGTH BOLTS IN BEARING-TYPE CONNECTIONS WITH THREADS INCLUDED IN THE SHEAR PLANE. DESIGN CHANNEL AND TUBE MEMBERS FOR THE SAME LOAD AS THE SAME DEPTH IN W SHAPE. THE CAPACITIES SHALL BE AS SHOWN BELOW, UNLESS OTHERWISE NOTED ON PLAN.

MINIMUM SHEAR CAPACITY SCHEDULE
(FACTORED LOADS USING LRFD)

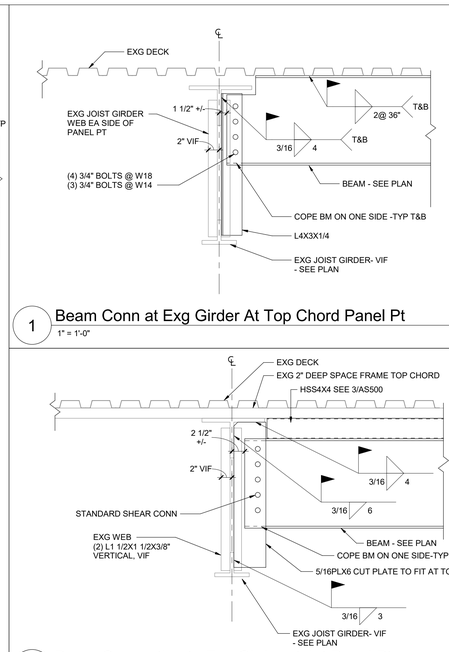
W8	10KIPS	W24	80KIPS
W10	15KIPS	W27	100KIPS
W12	20KIPS	W30	120KIPS
W14	30KIPS	W33	140KIPS
W16	40KIPS	W36	180KIPS
W18	50KIPS	W40	220KIPS
W21	60KIPS	W44	260KIPS

6 Beam Conn Schedule
12" = 1'-0"



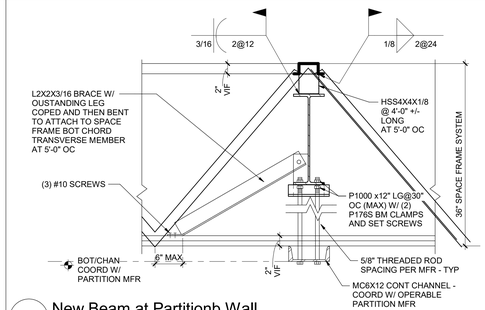
A-A

4 Space Frame Reinf at Hanging Load
3/4" = 1'-0"

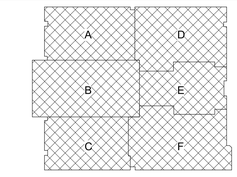


1 Beam Conn at Exg Girder At Top Chord Panel Pt
1" = 1'-0"

2 Beam Connection to Exg Girder at 1st Panel Pt
1" = 1'-0"



3 New Beam at Partitionb Wall
1" = 1'-0"



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

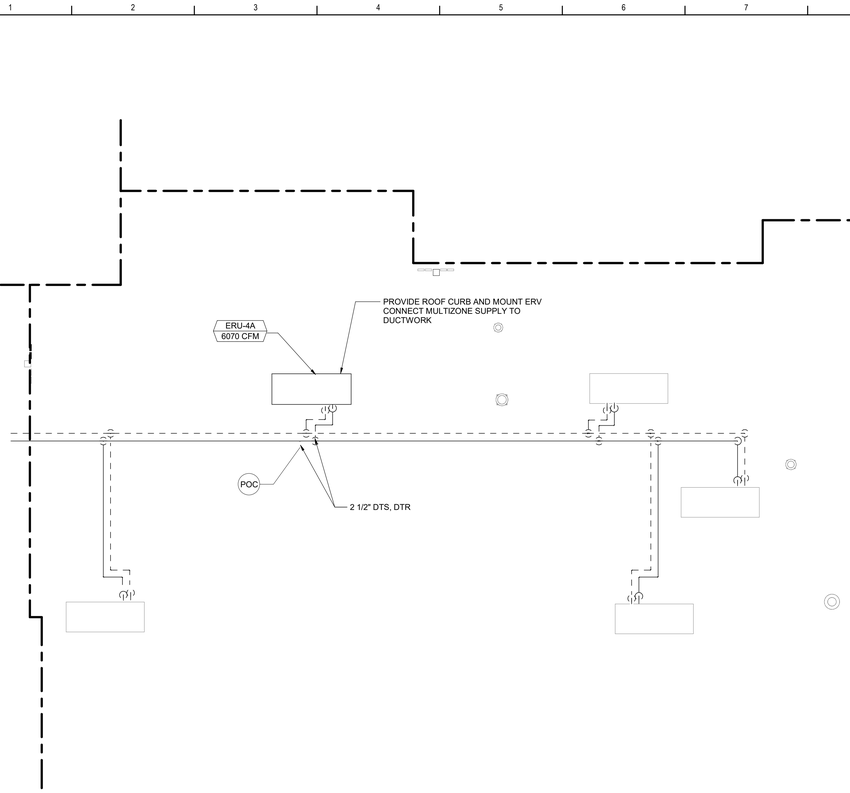
Lakeland Central School District
Shrub Oak, New York

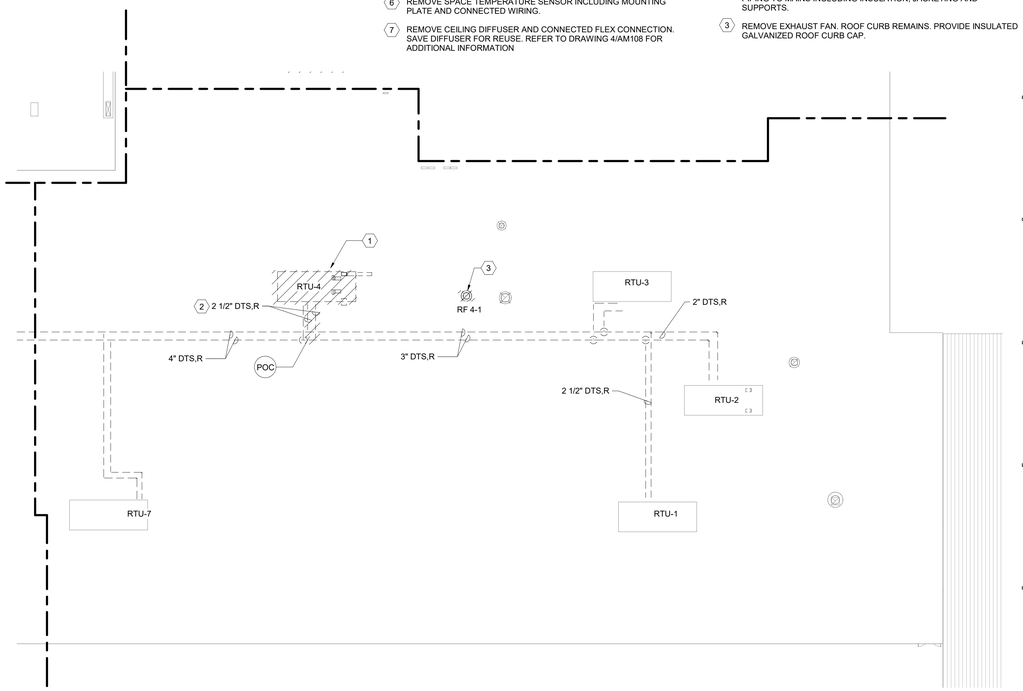
Reconstruction to:
Walter Panas High School

Typical Details

Drawn By:	Date:	Drawing Number:
NDC/kjr	10/13/2023	AS500

Project No.: 276721-23001





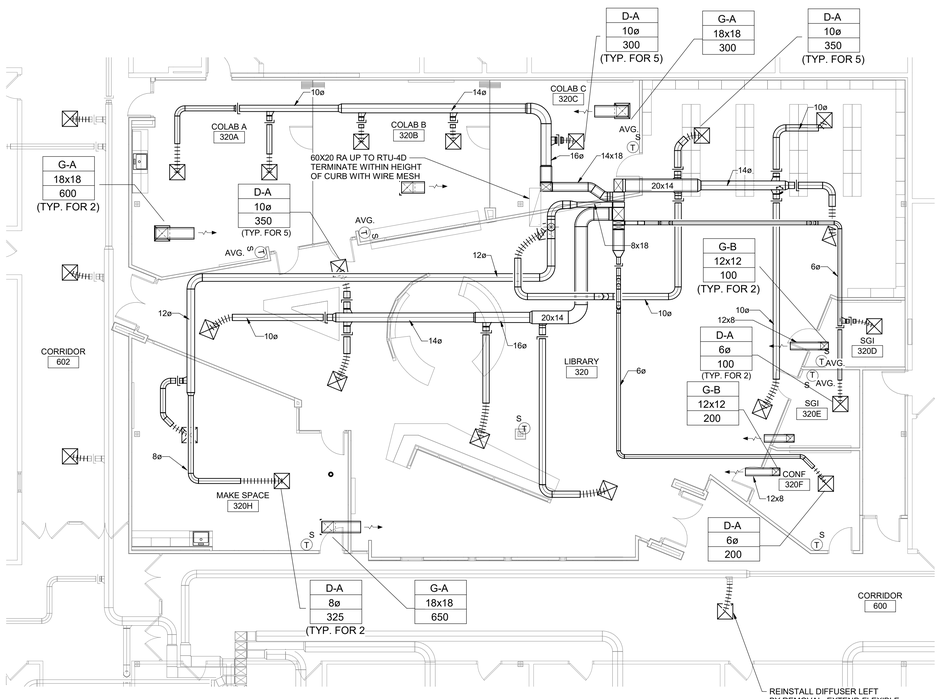
Keyed Demolition Notes:

4. REMOVE DUCTWORK INCLUDING HANGERS, SUPPORTS AND CONNECTED DIFFUSERS, REGISTERS AND GRILLES.
5. REMOVE CEILING RELIEF GRILLE AND CONNECTED SHEETMETAL PLENUM BOX.
6. REMOVE SPACE TEMPERATURE SENSOR INCLUDING MOUNTING PLATE AND CONNECTED WIRING.
7. REMOVE CEILING DIFFUSER AND CONNECTED FLEX CONNECTION. SAVE DIFFUSER FOR REUSE. REFER TO DRAWING 4/AM108 FOR ADDITIONAL INFORMATION
1. ACCESS UNIT AND DISCONNECT MULTIZONE DUCTWORK. REMOVE MULTI-ZONE ROOFTOP UNIT INCLUDING DAMPERS, CONTROLS AND CURB
2. REMOVE DUAL TEMPERATURE SUPPLY AND RETURN BRANCH PIPING TO MAINS INCLUDING INSULATION, JACKETING AND SUPPORTS.
3. REMOVE EXHAUST FAN. ROOF CURB REMAINS. PROVIDE INSULATED GALVANIZED ROOF CURB CAP.

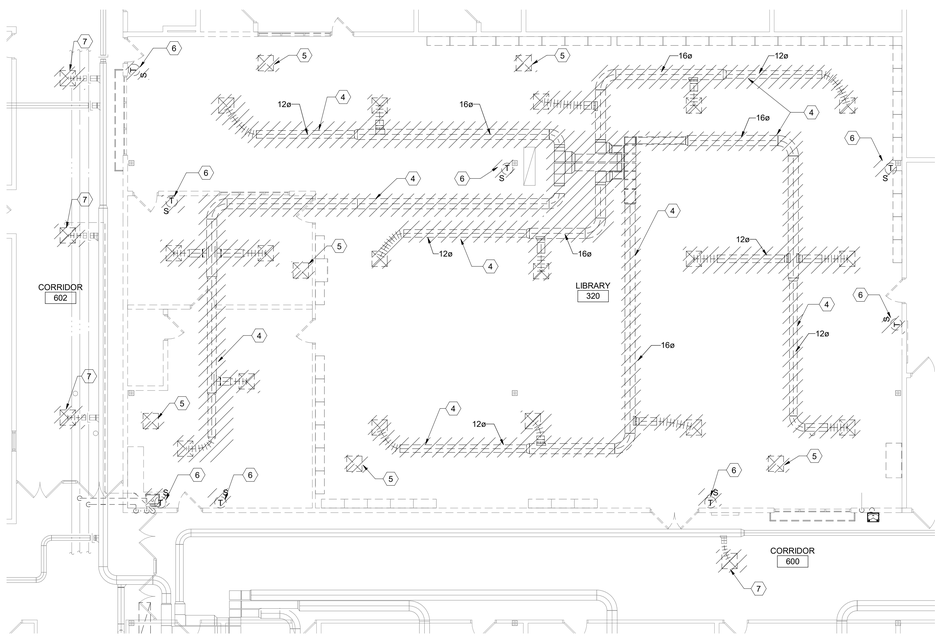
GENERAL NOTES:

1. THE FOLLOWING GENERAL NOTES APPLY TO ALL "AM" SERIES DRAWINGS.
2. REFER TO ALL CONTRACT DOCUMENTS; DRAWINGS AND SPECIFICATIONS, FOR DETAILED STANDARDS AND REQUIREMENTS.
3. REPORT UNSAFE OR UNSATISFACTORY CONDITIONS IN WRITING TO ARCHITECT AND RESOLVE ISSUES BEFORE PROCEEDING.
4. WORK INCLUDES ALL LABOR AND MATERIALS REQUIRED TO PROVIDE COMPLETE WORKING SYSTEMS.
5. COORDINATE PHASING REQUIREMENTS AT JOB MEETINGS AND ON WORK SCHEDULES.
6. DO NOT SCALE DRAWINGS. PIPING AND DUCTWORK ARE SHOWN DIAGRAMMATICALLY. IT IS NOT POSSIBLE TO SHOW EVERY TRANSITION, FITTING, ASPECT RATIO CHANGE, ETC.; PROVIDE AS REQUIRED TO FIT WITHIN STRUCTURAL CONSTRAINTS. EXAMINE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND VERIFY ALL ACCESS, LOCATIONS, DIMENSIONS, ARRANGEMENTS, ELECTRICAL CHARACTERISTICS AND INTERFERENCE IN THE FIELD PRIOR TO BID.
7. VERIFY EXTENT OF CEILING WORK SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS. PROVIDE FOR ADDITIONAL CEILING SYSTEM REMOVAL, PROTECTION, AND REINSTALLATION AS REQUIRED FOR CONTRACT WORK.
8. DEMOLITION DRAWINGS SHOW THE GENERAL SCOPE OF ITEMS AND SYSTEMS TO BE REMOVED. IT IS NOT THE INTENT TO SHOW ALL ITEMS TO BE REMOVED. FIELD VERIFY AND REMOVE ALL ASSOCIATED ITEMS BACK TO POINT OF CONTINUED SERVICE, UNLESS OTHERWISE NOTED. VERIFY WHAT ALL EQUIPMENT SERVES PRIOR TO REMOVAL
9. GIVE ALL REMOVED EQUIPMENT TO THE OWNER. DELIVER ON SITE WHERE DESIGNATED BY THE OWNER. PROMPTLY REMOVE FROM THE SITE AND LEGALLY DISPOSE ANY SUCH ITEMS DECLINED BY OWNERS.
10. IF UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL CONFLICTS ARE ENCOUNTERED, INVESTIGATE AND REPORT BOTH NATURE AND EXTENT OF THE CONFLICT. RE-ROUTE WORK AS REQUIRED.
11. CUT, DRILL, OR OTHERWISE CREATE OPENINGS AS NEATLY AS POSSIBLE, AS REQUIRED FOR THE INDICATED CONTRACT WORK. PROVIDE SUPPORT AS REQUIRED FOR AND USE METHODS LEAST LIKELY TO DAMAGE ELEMENTS TO REMAIN. PRIOR TO WORK, VERIFY LOCATIONS OF ALL STRUCTURAL MEMBERS INCLUDING CROSS BRACING, ELECTRICAL WIRING, PLUMBING, ETC. PROMPTLY NOTIFY ARCHITECT OF ANY CONFLICTS; DO NOT CUT ANY STRUCTURAL MEMBERS OR OTHER SERVICES UNTIL SPECIFICALLY DIRECTED TO DO SO. PENDING RECEIPT OF DIRECTIVE, REARRANGE SCHEDULE AS NECESSARY TO CONTINUE OVERALL JOB PROGRESS WITHOUT DELAY.
12. PATCH ALL DISTURBANCES RESULTING FROM DEMOLITION OR NEW WORK TO MATCH SURROUNDING SURFACES. PATCH FOLLOWING DEMOLITION, AND AGAIN FOLLOWING WORK. WHERE HOLES REMAIN FROM REMOVALS, INFILL AND PATCH TO MATCH UNLESS HOLE IS TO BE REUSED.
13. PROTECT ALL CONTRACT EQUIPMENT, ELEMENTS TO REMAIN, OWNER'S BELONGINGS, AND EQUIPMENT TO BE REUSED OR RETAINED BY OWNER DURING ALL CONTRACT WORK. AT NO ADDITIONAL COST TO OWNER, REPAIR OR REPLACE ITEMS WHICH ARE DAMAGED.
14. THOROUGHLY CLEAN FOLLOWING DEMOLITION AND BEFORE BEGINNING CONTRACT INSTALLATIONS. THOROUGHLY CLEAN AGAIN DURING AND FOLLOWING CONTRACT WORK AS REQUIRED. LEAVE ALL WORK AREAS CLEANER THAN FOUND. LEGALLY DISPOSE OF ALL CONSTRUCTION DEBRIS.
15. PROVIDE TEMPORARY PIPING, DUCT, HEAT, WEATHERPROOFING, ETC. TO SERVICES TO REMAIN UNTIL PERMANENT INSTALLATIONS CAN BE MADE.
16. ALL EXCESS MATERIALS AND SCRAPS ARE CONTRACTOR'S PROPERTY. PROMPTLY REMOVE FROM SITE UNLESS SPECIFICALLY DIRECTED OTHERWISE.
17. SEAL ALL FLOOR, WALL AND CEILING PENETRATIONS PER FIRE-RESISTANCE RATINGS NOTED ON AG350, BUT NOT LESS THAN 1-HOUR, AND IN ACCORDANCE WITH SECTION 07 84 13 - PENETRATION FIRESTOPPING. THIS INCLUDES ALL NEW PENETRATIONS AND EXISTING UNFIRESTOPPED PENETRATIONS CREATED BY REMOVALS, AS REQUIRED TO PERFORM THE WORK.
18. COORDINATE ALL WORK WITH WORK INDICATED ON ABATEMENT DRAWINGS.

1 Roof Demolition Plan - Area F
1/16" = 1'-0"

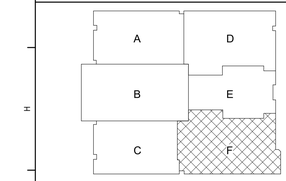


2 Roof Plan - Area F
1/16" = 1'-0"



3 Partial First Floor Demolition Plan - Area F
1/8" = 1'-0"

4 First Floor Plan - Area F
1/8" = 1'-0"



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

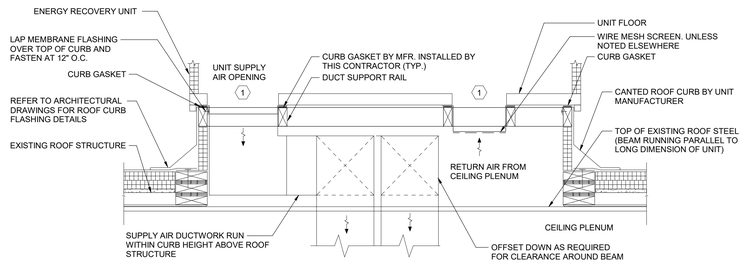
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

Partial First Floor Plans and Roof Plans - Area F

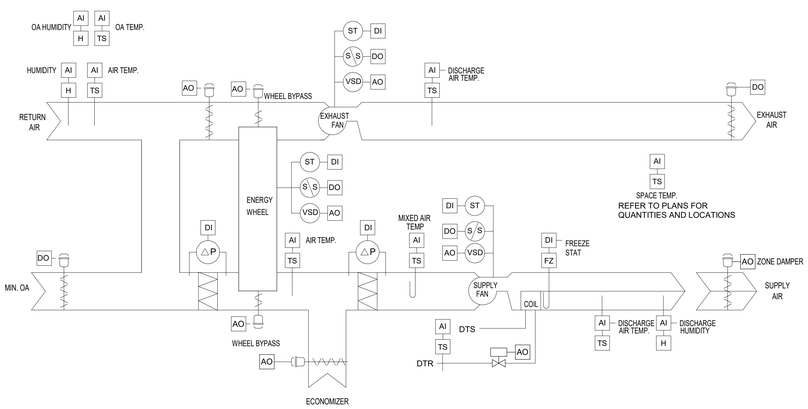
Drawn By:	Date:	Drawing Number:
DPM	10/13/2023	AM108
Project No.: 276721-23001		

NOTES:
1. PROVIDE UNIT MANUFACTURER'S COMBINATION STARTER WITH DISCONNECT SWITCH. 2. PROVIDE UNIT MANUFACTURER'S ROOF CURB



1 THE CONTRACTOR IS RESPONSIBLE FOR SUPPORTING THE DUCT WITH DUCT RAILS OR OTHER MEANS. THE DUCT FLANGES AT THE TOP OF THE DUCTWORK SHALL BE INSTALLED AT THE SAME ELEVATION AS THE TOP OF THE CURB

8 Energy Recovery Unit Roof Curb Detail (ERV-4A)
NTS



9 Energy Recovery Unit Control
NTS

ENERGY RECOVERY ROOFTOP UNIT - SEQUENCE OF OPERATIONS:

1. OCCUPIED MODE:
   A. THE BMS SHALL BE INDEXED TO "HEATING" OR "COOLING" MODE BY MANUAL OPERATOR'S INPUT. THIS SIGNAL SHALL BE THE SAME ORIGIN AS THE MASTER SIGNAL USED TO SWITCH THE BOILER/CHILLER PLANT TO HEATING OR COOLING MODES. INDIVIDUAL ERV WATER COIL CONTROL VALVE SEQUENCES SHALL BE CHANGED BY SOFTWARE TO OPERATE IN EITHER HEATING (DIRECT-ACTING, OPEN ON TEMPERATURE DROP IN THE SPACE) OR COOLING (REVERSE-ACTING, OPEN ON A RISE IN TEMPERATURE IN THE SPACE) MODE.
   B. THE MINIMUM OUTSIDE AIR DAMPER SHALL OPEN TO MINIMUM POSITION AS SCHEDULED.
   C. THE EXHAUST AND RETURN AIR DAMPERS SHALL BE OPEN.
   D. THE SUPPLY AND EXHAUST FAN SHALL RUN ANYTIME THE UNIT IS COMMANDED ON UNLESS SHUT DOWN ON SAFETIES. THE UNIT FAN VARIABLE SPEED SETPOINT SHALL BE SET DURING BALANCING.
   E. ALARMS SHALL BE PROVIDED AS FOLLOWS:
      1. FAN FAILURE
      2. FAN IN HAND
      3. FAN RUNTIME EXCEEDED (ADJ.).

2. UNOCCUPIED MODE
   A. THE MINIMUM OUTSIDE AIR, ECONOMIZER AND EXHAUST DAMPERS SHALL BE CLOSED.
   B. THE SUPPLY AND EXHAUST FAN SHALL BE OFF.
   C. SEE 3 B AND C FOR CONTROL OPERATION DURING WARM-UP AND COOL DOWN MODES.

3 . MORNING WARM-UP AND COOL DOWN MODES:
   A. START TIME FOR WARM UP AND COOL DOWN MODES SHALL BE DETERMINED BY THE SOFTWARE, BASED ON INTERIOR ROOM OR ZONE TEMPERATURE AND PREVIOUS WARM UP AND COOL DOWN TIMES.
   B. WARM UP MODE: THE SUPPLY FAN SHALL START. THE UNIT OUTSIDE, ECONOMIZER AND EXHAUST AIR DAMPER SHALL BE CLOSED. THE RETURN AIR DAMPERS SHALL BE OPEN. EXHAUST FAN SHALL BE OFF. EXHAUST DAMPERS SHALL BE CLOSED. THE INDIVIDUAL ZONE DAMPERS SHALL OPERATE BASED ON SPACE TEMPERATURE. THE UNIT COIL CONTROL VALVE SHALL OPERATE TO PROVIDE HEAT TO THE BUILDING. A MAXIMUM OF 100 DEG. F. (ADJ.) DISCHARGE AIR SHALL BE MAINTAINED IN THE HEATING MODE AND A MINIMUM OF 55 DEG. F. IN COOLING MODE. THE UNIT SHALL OPERATE TO MAINTAIN SPACE OCCUPIED TEMPERATURE OF 70 DEG. F. (ADJ.) WHEN THE COLDEST ZONE RISES TO 70 DEG. F. (ADJ.), THE SYSTEM SHALL CYCLE TO NORMAL OCCUPIED MODE.
   C. COOL DOWN MODE: THE UNIT OUTSIDE,ECONOMIZER AND EXHAUST AIR DAMPERS SHALL BE CLOSED. THE RETURN AIR DAMPERS SHALL BE OPEN. EXHAUST FAN SHALL BE OFF. THE INDIVIDUAL ZONE DAMPERS SHALL BE FULL OPEN. THE UNIT COIL CONTROL VALVE SHALL OPERATE TO PROVIDE COOLING TO THE BUILDING. A MINIMUM OF 55 DEG. F. (ADJ.) DISCHARGE AIR SHALL BE MAINTAINED IN THE COOLING MODE THE UNIT SHALL OPERATE TO MAINTAIN SPACE OCCUPIED TEMPERATURE OF 74 DEG. F. MAXIMUM (ADJ.). WHEN THE WARMEST ZONE DROPS TO 72 DEG. F. (ADJ.), THE UNIT SHALL CYCLE OFF.

4. ECONOMIZER MODE:
   A. THE ECONOMIZER SHALL BE ENABLED WHENEVER:
      1. THE OUTSIDE AIR ENTHALPY IS LESS THAN RETURN AIR ENTHALPY.
      2. AND THE SUPPLY FAN IS ON.
      3. THE SYSTEM MANUAL MODE SELECTION IS NOT INDEXED IN HEATING OR COOLING MODE
   B. THE ECONOMIZER SHALL BE DISABLED WHENEVER:
      1. THE OUTSIDE AIR ENTHALPY IS GREATER THAN THE RETURN AIR ENTHALPY.
      2. SUPPLY FAN IS OFF.
      3. HEAT RECOVERY WHEEL IS RUNNING.
   C. THE WHEEL BYPASS DAMPERS SHALL BE OPEN ONLY DURING ECONOMIZER MODE.
5. HEAT RECOVERY WHEEL
   A. COOLING RECOVERY MODE:
      1. THE CONTROLLER SHALL MEASURE THE HEAT WHEEL DISCHARGE AIR TEMPERATURE AND RUN THE WHEEL TO MAINTAIN A SETPOINT 5 DEG. F. (ADJ.) LESS THAN THE COLD DUCT SUPPLY AIR TEMPERATURE SETPOINT. THE HEAT WHEEL SHALL RUN FOR COOLING RECOVERY WHENEVER:
         a. THE UNIT RETURN AIR TEMPERATURE IS 5 DEG. F.)ADJ.) OR MORE BELOW THE OUTSIDE AIR TEMPERATURE, AND THE ECONOMIZER IS OFF AND THE SUPPLY FAN IS ON.
   B. HEATING RECOVERY MODE:
      1. THE CONTROLLER SHALL MEASURE THE HEAT WHEEL DISCHARGE AIR TEMPERATURE AND RUN THE WHEEL TO MAINTAIN A SETPOINT 3 DEG. F. (ADJ.) LESS THAN THE COLD DUCT SUPPLY AIR TEMPERATURE SETPOINT. THE HEAT WHEEL SHALL RUN FOR HEATING RECOVERY WHENEVER:
         a. THE UNIT RETURN AIR TEMPERATURE IS 5 DEG. F. (ADJ.) OR MORE ABOVE THE OUTSIDE AIR TEMPERATURE, AND THE ECONOMIZER IS OFF AND THE SUPPLY FAN IS ON.
   C. FROST PROTECTION: THE HEAT WHEEL SHALL RUN FOR 10 SECONDS (ADJ.) EVERY 5 MINUTES (ADJ.) WHENEVER THE OUTSIDE AIR TEMPERATURE DROPS BELOW 15 DEG. F. (ADJ.) OR THE EXHAUST AIR TEMPERATURE DROPS BELOW 20 DEG. F. (ADJ.)
   D. THE HEAT WHEEL BYPASS DAMPERS WILL OPEN WHENEVER THE HEAT WHEEL IS DISABLED.
   E. ALARMS SHALL BE PROVIDED AS FOLLOWS:
      1. HEAT WHEEL ROTATION FAILURE.
      2. HEAT WHEEL IN HAND.
      3. HEAT WHEEL RUN TIME EXCEEDS USER DEFINABLE LIMIT.

6. MORNING PURGE:
   A. ONE HOUR PRIOR TO SCHEDULED OCCUPANCY, THE UNIT SHALL PERFORM A 30 MINUTE DURATION PURGE SEQUENCE.
      1. OPEN OUTSIDE AND EXHAUST DAMPERS
      2. OPEN BYPASS DAMPERS.
      3. START SUPPLY AND EXHAUST FANS.
      4. MAINTAIN UNOCCUPIED SETBACK TEMPERATURE CONDITIONS.

7. SAFETIES AND ALARMS:
   A. HIGH SUPPLY AIR TEMPERATURE ALARM, 120 DEG. F. (ADJ.) SUPPLY AIR TEMPERATURE.
   B. FIRE ALARM SIGNAL SHALL DISABLE THE UNIT.
   C. ANY AIR FILTER PRESSURE DIFFERENTIAL EXCEEDS SETPOINT.
   D. ZONE TEMPERATURE OUT OF SETPOINT BY +/- 5 DEG. F. FOR 10 MINUTES.

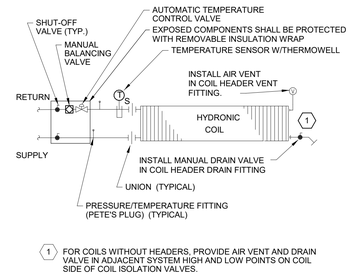
8. ZONE DAMPER CONTROL:
   A. THE ZONE DAMPERS SHALL MODULATE AS REQUIRED TO MAINTAIN ZONE TEMPERATURE SETPOINT.
   B. OCCUPIED MODE:
      1. COOLING: 75 DEG. F. (ADJ.)
      2. HEATING: 70 DEG. F. (ADJ.)
   C. UNOCCUPIED MODE:
      1. COOLING: 80 DEG. F. (ADJ.)
      2. HEATING: 60 DEG. F. (ADJ.)

BUILDING/EQUIPMENT VENTILATION CALCULATIONS - WALTER PANAS ERU-4A

EQUIPMENT NUMBER	ZONE ID				MINIMUM VENTILATION RATES								DESIGN	
	ROOM NUMBER	ROOM NAME	OCCUPANCY CLASSIFICATION	Az - AREA (SF)	Pz - ZONE OCCU. #/1000 FT	ZONE OCCU.	Rp (CFM/ Person)	RpP	Ra (CFM/SF)	RaA	Vbz (CFM)	EZ	Voz (CFM)	Vpz (CFM)	Zp
ERU-4A	320	LIBRARY	Libraries	3150	10	32	5	158	0.12	378	536	0.8	670	3500	0.19
	320A	COLAB A	Classrooms (age 9 plus)	550	35	19	10	193	0.12	66	259	0.8	325	600	0.54
	320B	COLAB B	Classrooms (age 9 plus)	450	35	16	10	158	0.12	54	212	0.8	265	600	0.44
	320C	COLAB C	Classrooms (age 9 plus)	315	35	11	10	110	0.12	38	148	0.8	185	300	0.62
	320H	MAKE SPACE	Classrooms (age 9 plus)	610	35	21	10	214	0.12	73	287	0.8	360	650	0.55
	320F	CONF	Conference/meeting	153	50	8	5	38	0.06	9	47	0.8	60	200	0.30
	320D	SGI	Office space	105	5	1	5	5	0.06	6	11	0.8	15	100	0.15
	320E	SGI	Office space	100	5	1	5	5	0.06	6	11	0.8	15	100	0.15

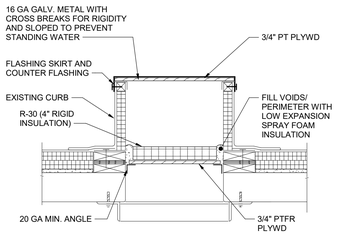
NOTES:
Rp = PEOPLE OUTDOOR AIR RATE, Ra = AREA OUTDOOR AIR RATE, Vbz = BREATHING ZONE OUTDOOR AIRFLOW , Ez = AIR DISTRIBUTION CONFIGURATION, Voz = ZONE OUTDOOR AIRFLOW
Vpz = ZONE PRIMARY AIRFLOW, Zpz = PRIMARY OUTDOOR AIR FRACTION, Vps = SYSTEM PRIMARY AIRFLOW, Vot = OUTDOOR AIR INTAKE FLOW,
Vou = UNCORRECTED OUTDOOR AIR INTAKE, D = OCCUPANT DIVERSITY, Ev = SYSTEM VENTILATION EFFICIENCY

SYSTEM VALUES ERU-4A			
Vps	6050	(UNCORRECTED OA) Vou	1510
(CORRECTED OA) Vot	**2520**	D	1.00
OA%	**42**	Ev	0.60
ADDITIONAL OA%	67		

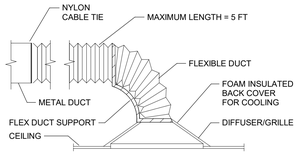


1 FOR COILS WITHOUT HEADERS, PROVIDE AIR VENT AND DRAIN VALVE IN ADJACENT SYSTEM HIGH AND LOW POINTS ON COIL SIDE OF COIL ISOLATION VALVES.

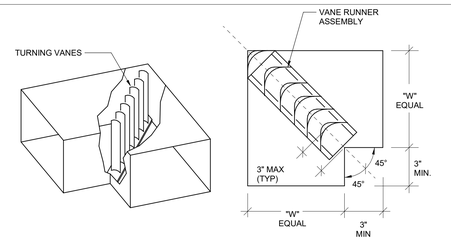
5 Hydronic Coil Piping Detail
NTS



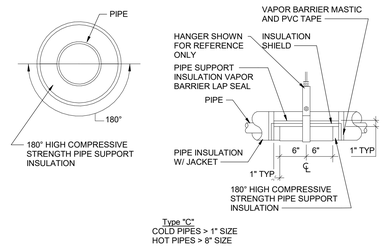
6 Curb Cap Detail
NTS



7 Ceiling Diffuser/Grille With Flex Duct
NTS



1 Duct Turning Vanes
NTS



2 Insulation Shield and Blocking Detail
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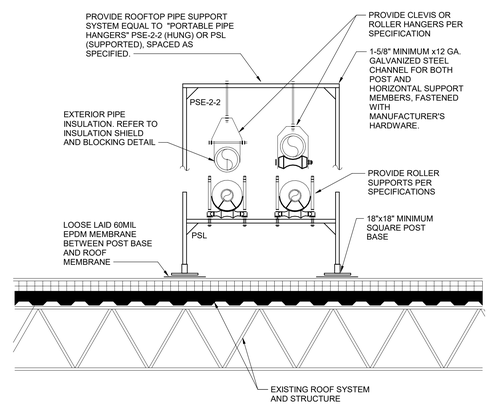
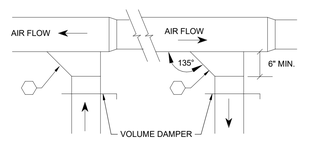


3 Rooftop Piping Support Detail
NTS



USE ONLY ONE TYPE OF BRANCH CONNECTION THROUGHOUT PROJECT (UNLESS OTHERWISE CALLED FOR)

4 Duct Detail
NTS

TEMPERATURE CONTROLS SYMBOLS LIST

AI	ANALOG IN
AO	ANALOG OUT
COM	COMMUNICATIONS PORT
CS	AIRBORNE CONTAMINANT SENSOR
DI	DIGITAL IN
	DAMPER MOTOR
DO	DIGITAL OUT
EMCS	ENERGY MANAGEMENT CONTROL SYSTEM
F	FLOW (WATER/AIR)
FM	FLOW METER
FS	AIR FLOW SENSOR
FZ	FREEZE STAT
H	HUMIDITY SENSOR
HL	HIGH LIMIT
KWH	KILOWATT HOUR METER
LL	LOW LIMIT
M/S	MANUAL SWITCH STOP / START
P	PRESSURE SENSOR
ΔP	DIFFERENTIAL PRESSURE
PS	POSITION SENSOR
S/S	STOP / START
SD	SMOKE DETECTOR
ST	STATUS
START	STARTER
T	ADJUSTABLE THERMOSTAT
TS	TEMPERATURE SENSOR
VFD	VARIABLE FREQUENCY DRIVE
WS	WATER SENSOR
%	PERCENT
ES	END SWITCH
BS	BOILER SWITCH

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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BID SET

TETRA TECH ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

Details, Schedule and Controls

Drawn By:	Date:	Drawing Number:
DPM	10/13/2023	AM500
Project No.: 276721-23001		

1 First Floor - Key Plan
1/16" = 1'-0"

Demolition General Notes

A. ALL ELECTRICAL DEVICES INTERFERING WITH DEMOLITION WORK SHALL BE DISCONNECTED AND REMOVED, UNLESS OTHERWISE NOTED. EXISTING CIRCUIT WIRING SHALL BE REMOVED BACK TO SOURCE AND PANEL DIRECTORIES MODIFIED ACCORDINGLY.

B. ANY DEVICE INTERFERING WITH DEMOLITION WORK NOT SHOWN ON THESE DRAWINGS SHALL NOT BE REMOVED WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER'S REPRESENTATIVE OR THE ENGINEER.

C. ALL ELECTRICAL DEMOLITION WORK SHALL BE PROPERLY COORDINATED WITH ALL OTHER TRADES.

D. EC IS SOLELY RESPONSIBLE FOR THE SAFE HANDLING AND DISPOSAL OF ALL REMOVED LUMINAIRES AND BALLASTS THAT MAY CONTAIN PCBs (POLYCHLORINATED BIPHENYLS), IN ACCORDANCE WITH ALL APPLICABLE EPA, OSHA, FEDERAL, STATE, AND LOCAL CODES AND LAWS.

E. EC IS SOLELY RESPONSIBLE FOR THE SAFE HANDLING AND DISPOSAL OF ALL REMOVED FLUORESCENT LIGHT TUBES THAT MAY CONTAIN MERCURY, IN ACCORDANCE WITH ALL APPLICABLE EPA, OSHA, FEDERAL, STATE, AND LOCAL CODES AND LAWS.

F. COORDINATE ALL ELECTRICAL WORK WITH HAZARDOUS MATERIALS DRAWINGS.

General Notes

A. COORDINATE ALL ELECTRICAL WORK AND POWER OUTAGES WITH OWNER AND OTHER TRADES PRIOR TO THE START OF CONSTRUCTION. NO POWER OUTAGES SHALL OCCUR WITHOUT OWNER'S PRIOR KNOWLEDGE AND CONSENT.

B. REFER TO DRAWING G100 FOR STANDARD SYMBOLS AND ABBREVIATIONS.

C. AT ALL CORRIDORS WHERE NEW CEILINGS ARE BEING INSTALLED, REINSTALL DEVICES ON NEW CEILINGS AS SHOWN ON NEW WORK DRAWINGS AND EXTEND/MODIFY EXISTING CIRCUITRY AS NECESSARY.

D. CIRCUIT WIRING FOR ALL LIGHTING CIRCUITS SHALL BE IN 1/2" EMT CONDUIT (MIN) OR TYPE MC CABLE CONCEALED ABOVE CEILINGS AND IN WALLS (REFER TO SPECIFICATION SECTION 26 05 33 FOR LOCATIONS WHERE MC CABLE IS ACCEPTABLE). ALL CIRCUIT CONDUCTORS SHALL BE #12AWG COPPER (MIN) 90°C THHN THERMOPLASTIC INSULATION.

E. CIRCUIT EXIT AND EMERGENCY LUMINAIRES TO UN/SWITCHED HOT LEG OF LIGHTING CIRCUIT OF THE AREA BEING SERVED BY OR ADJACENT TO THE LUMINAIRE.

F. PROPERLY IDENTIFY ALL CIRCUITS AT PANELS AND J-BOXES AND IN ACCORDANCE WITH PROJECT SPECIFICATIONS.

G. PROVIDE ALL ADAPTERS, COUPLINGS AND ASSOCIATED FITTINGS REQUIRED FOR COMPLETE OPERATIONAL SYSTEM.

H. WHEN INSTALLING NEW DEVICES IN EXISTING LOCATIONS, REUSE EXISTING CONDUIT/RACEWAY AND BACK BOXES IF IN GOOD CONDITION. EXTEND/INSTALL NEW CONDUIT/RACEWAY AS REQUIRED FOR PROPER MOUNTING OF DEVICE. CONCEAL ABOVE CEILINGS OR WITHIN WALLS WHERE POSSIBLE. REFER TO SPECIFICATION SECTION 26 05 33.

I. NEW CIRCUIT BREAKERS IN EXISTING PANELBOARDS SHALL BE UL LISTED FOR USE IN THE PANELBOARD AND SHALL MATCH THE AIC RATING OF THE PANELBOARD.

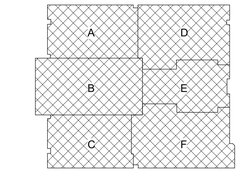
J. COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES.

K. TESTS OF ALL ELECTRICAL WORK SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER OR ARCHITECT, AS EQUIPMENT IS INSTALLED AND AS SYSTEMS ARE COMPLETED. IN ADDITION AN ELECTRIC APPROVED CERTIFICATE SHALL BE ISSUED BY AN ELECTRICAL INSPECTION AGENCY.

L. UNLESS NOTED ELSEWHERE ON THE CONTRACT DOCUMENTS, THE FOLLOWING LIST REPRESENTS THE TYPICAL MOUNTING HEIGHTS FOR THE DEVICES SHOWN:

1. SWITCHES AND PANIC STATIONS.....48" (TO TOP)
2. RECEPTACLES.....16"
3. COMPUTER RECEPTACLES.....48" (TO TOP)
4. WALL (W) TELEPHONE AND CALL SWITCHES.....48" (TO TOP)
5. TELEPHONE OUTLETS (UNLABELED).....16"
6. VOLUME CONTROLS.....48" (TO TOP)
7. TELEVISION OUTLETS.....16"
8. FIRE ALARM PULL STATIONS.....48" (TO TOP)
9. FIRE ALARM AUDIO/VISUAL UNITS.....88"
   * (OR 6" BELOW CEILING, WHICHEVER IS LOWER)
10. POWER PANELS.....72" (TO TOP)
11. DISCONNECT SWITCHES.....60" (TO TOP)
12. MOTOR STARTERS.....60" (TO TOP)

THE HEIGHTS INDICATED SHALL BE NOMINAL TO THE BOTTOM OF THE BOX UNLESS NOTED OTHERWISE. MAINTAIN HEIGHT CONSISTENCY BETWEEN NEW AND EXISTING DEVICES.



Key Plan
N.T.S.

N

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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TETRA TECH
ARCHITECTS & ENGINEERS

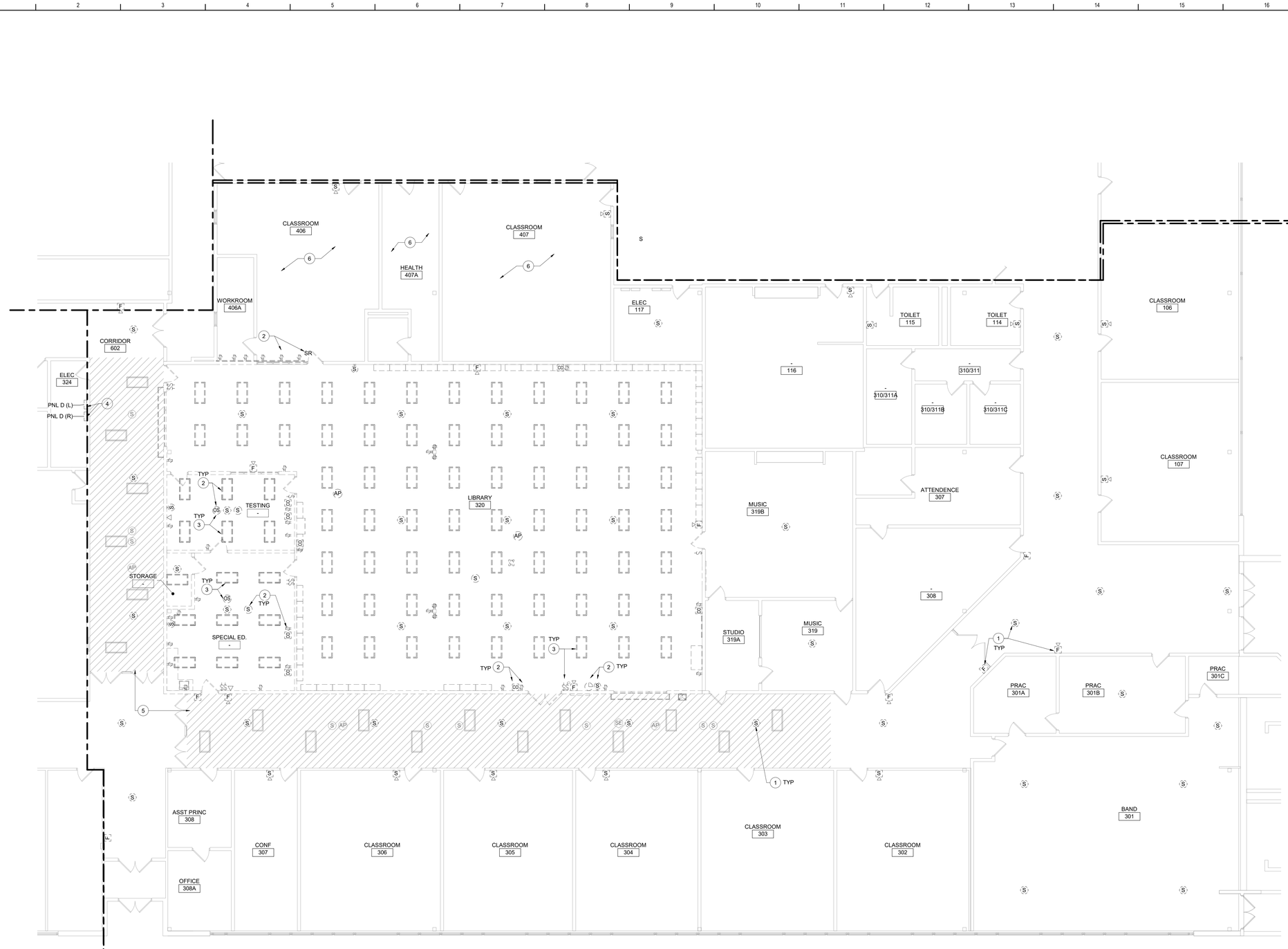
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

First Floor Key Plan

Drawn By:	Date:	Drawing Number:
TTAE	10/13/2023	AE050

Project No.:
276721-23001



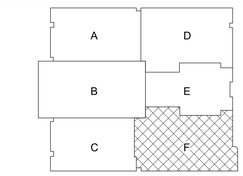
1 First Floor Demolition Plan - Area F
1/8" = 1'-0"

Keyed Notes:

1. REMOVE FIRE ALARM DEVICE. PROTECT, COIL AND TAG CIRCUITRY FOR RE-USE.
2. REMOVE ELECTRICAL DEVICES, WIRING AND CONDUIT BACK TO SOURCE. WHERE DEVICES OUTSIDE OF RENOVATION AREA ARE FED BY CIRCUITS SLATED FOR REMOVAL, MAINTAIN POWER TO IMPACTED DEVICES.
3. REMOVE LUMINAIRES AND HAND OVER TO OWNER TO STORE IN ATTACK STOCK. REMOVE LIGHTING CONTROLS AND CIRCUITRY BACK TO SOURCE.
4. REMOVE BOTH SECTIONS OF PANELBOARD 'D', PROTECT, COIL AND TAG FEEDER AND BRANCH CIRCUITRY FOR RE-CONNECTION IN REPLACEMENT PANELBOARD.
5. IN HATCHED AREA, REMOVE AND STORE, OR SUPPORT EXISTING CEILING MOUNTED DEVICES FOR CEILING REPLACEMENT WORK. RE-INSTALL DEVICES IN SAME LOCATION IN NEW CEILING.
6. HANG AND PROTECT CEILING MOUNTED DEVICES FOR CEILING REPLACEMENT WORK. RE-INSTALL CEILING MOUNTED DEVICES IN NEW CEILING AND CENTER ON CEILING TILE. MODIFY/EXTEND CIRCUITRY AS NECESSARY.

General Notes:

A. REFER TO DRAWING AE050 FOR GENERAL NOTES.



Key Plan
N.T.S.

N

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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TETRA TECH
ARCHITECTS & ENGINEERS

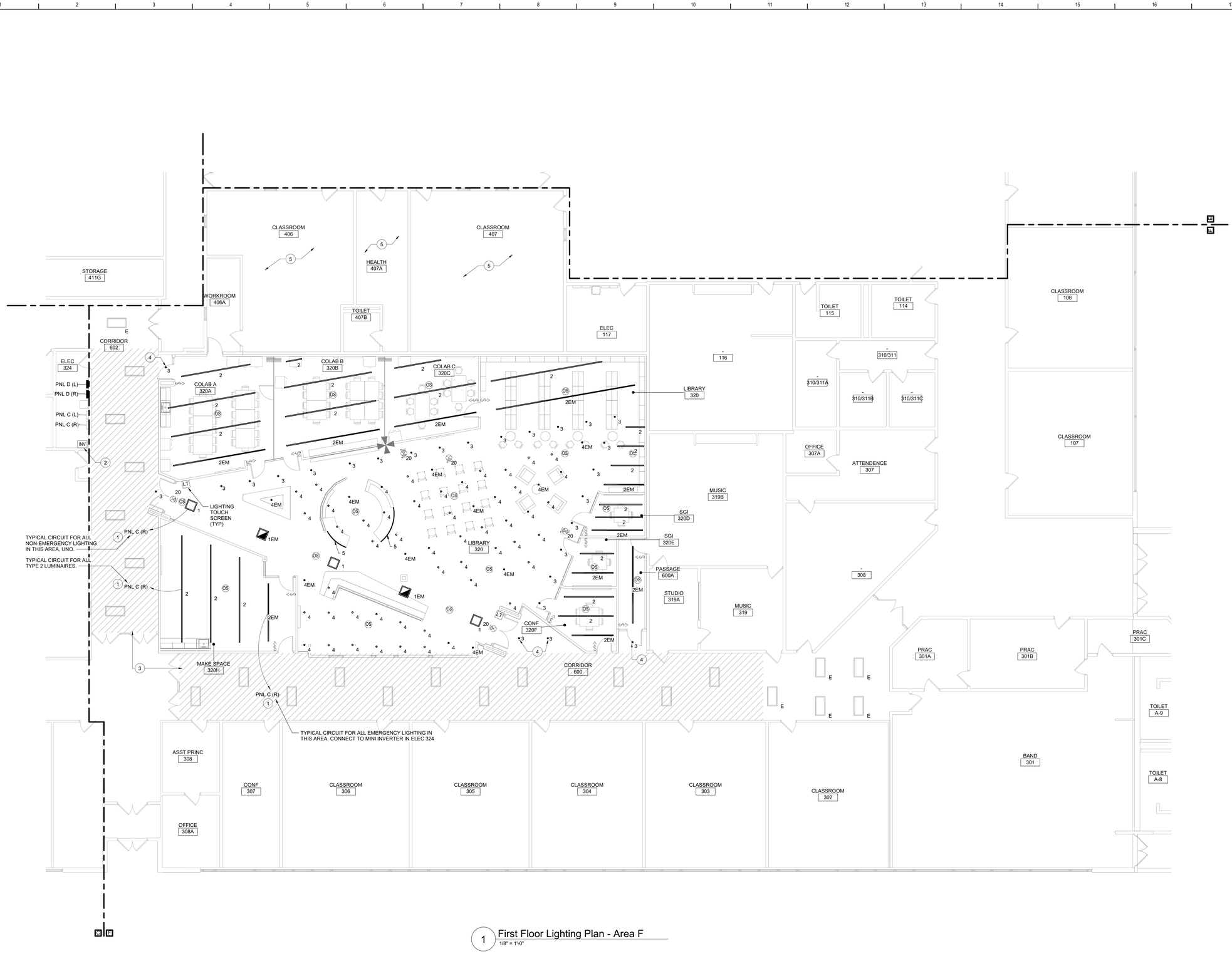
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

First Floor Demolition Plan - Area F

Drawn By:	Date:	Drawing Number:
TTAE	10/13/2023	AE105

Project No.:
276721-23001



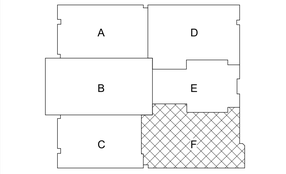
1 First Floor Lighting Plan - Area F
1/8" = 1'-0"

Keyed Notes:

1. PROVIDE 20A-1P CIRCUIT BREAKER IN AVAILABLE SPACE IN PANEL INDICATED. CONNECT USING (2)#12, (1)#12 G. IN 1/2" CONDUIT. AMEND PANEL DIRECTORY AS NECESSARY.
2. PROVIDE WALL MOUNTED MINIATURE INVERTER BASED ON MODEL VESTA MAX MODEL VST-MAX-375W-UNV-4CK, MOUNT AT 72" AFF. REFER TO WIRING DIAGRAM ON DRAWING AE501.
3. IN HATCHED AREA, RE-INSTALL DEVICES IN SAME LOCATION IN NEW CEILING.
4. CONNECT LUMINAIRE(S) TO EXISTING LIGHTING CIRCUIT AND CONTROLS SERVING THE CORRIDOR.
5. HANG AND PROTECT CEILING MOUNTED DEVICES FOR CEILING REPLACEMENT WORK. RE-INSTALL CEILING MOUNTED DEVICES IN NEW CEILING AND CENTER ON CEILING TILE. MODIFY/EXTEND CIRCUITRY AS NECESSARY.

General Notes:

A. REFER TO DRAWING AE050 FOR GENERAL NOTES.
B. LIGHTING CONTROL SEQUENCES:
SGI/COLAB/CONFERENCE SPACES:
ALL LUMINAIRES OPERATE WITH A (4) BUTTON LOW VOLTAGE LIGHTING CONTROL. BUTTONS CAPABLE OF ON/OFF, 50% AND 100% AND INCLUDE A SLIDING ADJUSTMENT. IF LUMINAIRES ARE LEFT ON AND ROOM IS UNOCCUPIED LUMINAIRES WILL TURN OFF WITHIN 15 MINUTES. ONCE ROOM BECOMES OCCUPIED AGAIN LUMINAIRES WILL TURN ON TO LAST LEVEL OR LAST LEVEL SELECTED.
LIBRARY:
ALL LUMINAIRES OPERATE WITH A LOW VOLTAGE TOUCH SCREEN CAPABLE OF MULTIPLE PRESET SCENES AND COLOR TUNING. IF LUMINAIRES ARE LEFT ON AND ROOM IS UNOCCUPIED LUMINAIRES WILL TURN OFF WITHIN 15 MINUTES. ONCE ROOM BECOMES OCCUPIED AGAIN LUMINAIRES WILL TURN ON TO LAST LEVEL OR LAST LEVEL SELECTED.
C. INVERTER SYSTEM EMERGENCY OUTPUT CIRCUITS SHALL BE INSTALLED IN DEDICATED CONDUIT SYSTEMS AND NOT SHARED WITH OTHER ELECTRICAL CIRCUITS AS DESCRIBED IN NEC 700-9(B).



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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TETRA TECH
ARCHITECTS & ENGINEERS

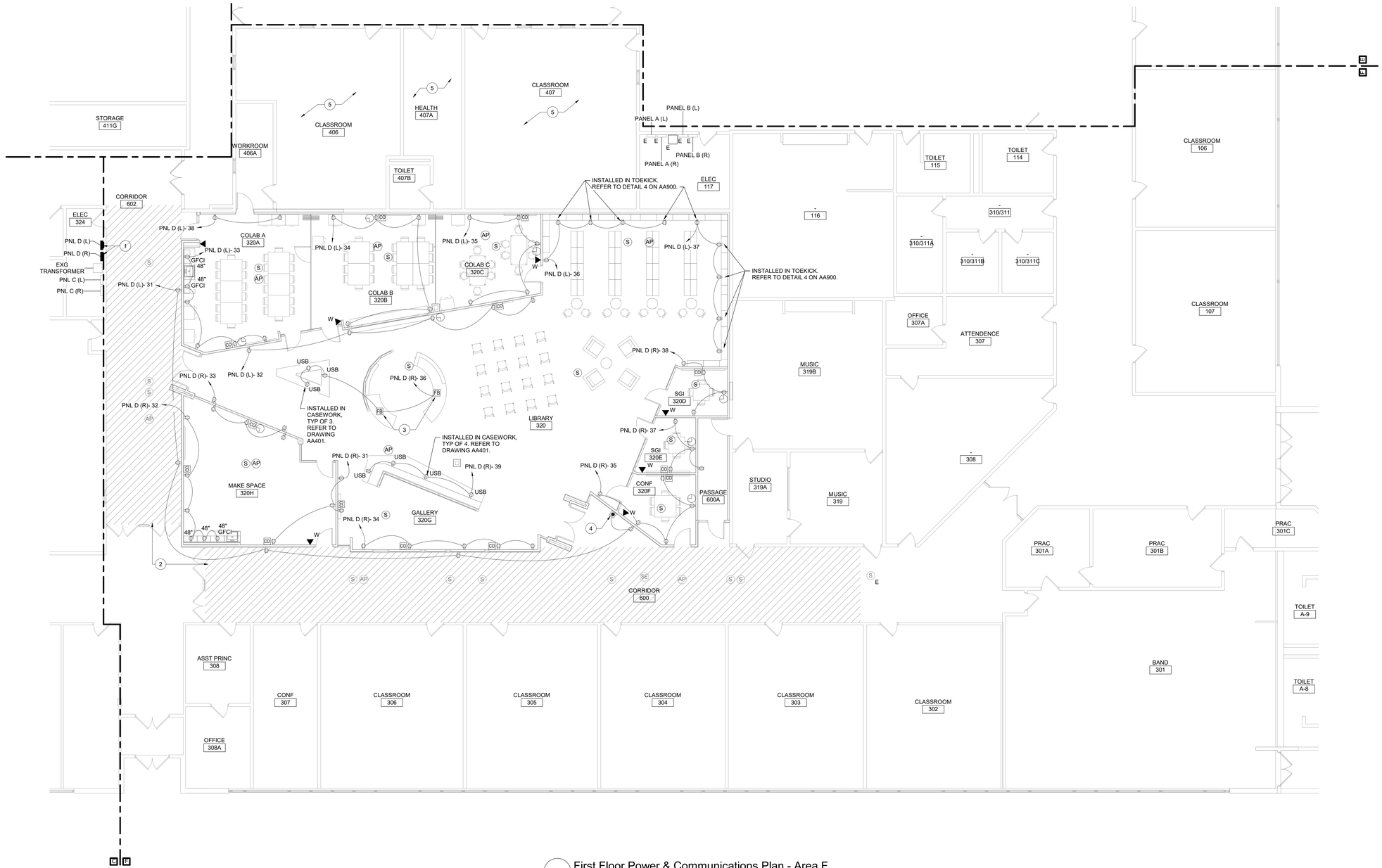
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

First Floor Lighting Plan - Area F

Drawn By:	Date:	Drawing Number:
CR	10/13/2023	AE130

Project No.: 276721-23001



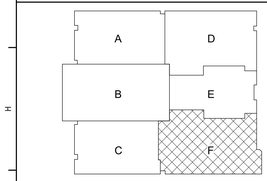
1 First Floor Power & Communications Plan - Area F
1/8" = 1'-0"

Keyed Notes:

1. REPLACE EXISTING PANELBOARD 'D' WITH 2-SECTION 84 CIRCUIT, 208/120V, 3 PHASE, 4 WIRE, 225A PANELBOARD. RECONNECT TAGGED FEEDER AND BRANCH CIRCUITRY, MODIFY/EXTEND CIRCUITRY AS NECESSARY. REFER TO DRAWING AE600 FOR FURTHER INFORMATION.
2. IN HATCHED AREA, RE-INSTALL DEVICES IN SAME LOCATION IN NEW CEILING.
3. PROVIDE FLOOR BOX WITH (2) DUPLEX RECEPTACLES AND (1) DATA RECEPTACLE WITH (2) JACKS FED WITH (2) CAT6 CABLES.
4. PROVIDE ELECTRICAL CONNECTION FOR BACKLIT SIGNAGE. COORDINATE FINAL LOCATION WITH OTHER CONTRACTS.
5. HANG AND PROTECT CEILING MOUNTED DEVICES FOR CEILING REPLACEMENT WORK. RE-INSTALL CEILING MOUNTED DEVICES IN NEW CEILING AND CENTER ON CEILING TILE. MODIFY/EXTEND CIRCUITRY AS NECESSARY.

General Notes:

A. REFER TO DRAWING AE050 FOR GENERAL NOTES.
B. SPEAKERS ARE TO BE COMPATIBLE AND WIRED TO EXISTING PA SYSTEM.
C. CLOCKS ARE TO BE COMPATIBLE WITH EXISTING CLOCK SYSTEM.



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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TETRA TECH
ARCHITECTS & ENGINEERS

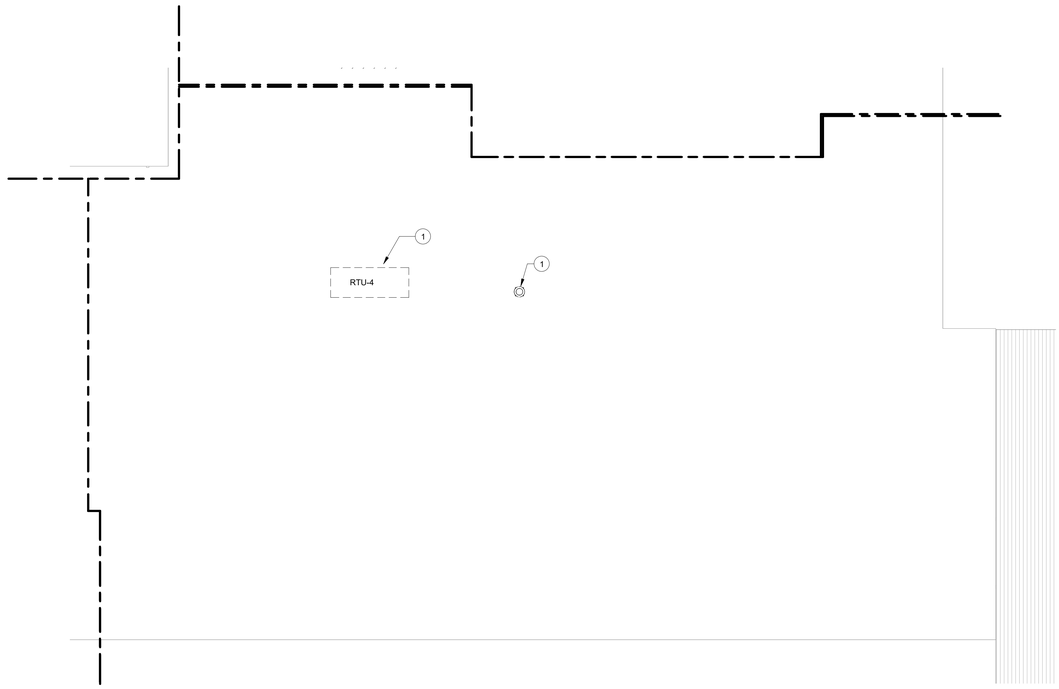
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

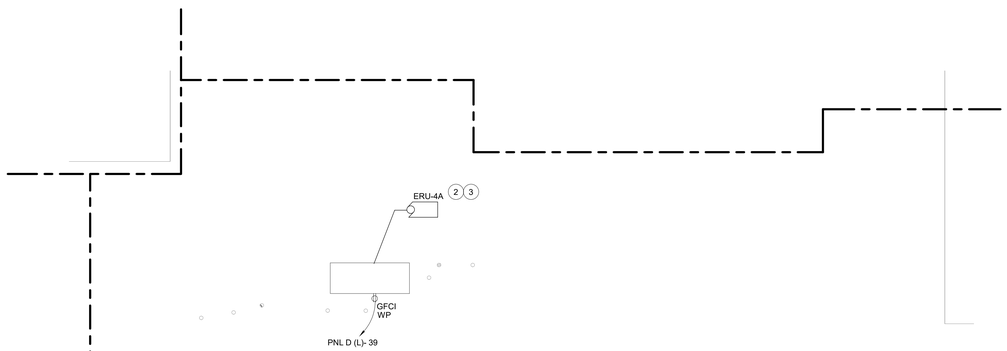
First Floor Power & Communications Plan - Area F

Drawn By:	Date:	Drawing Number:
SAS	10/13/2023	AE160

Project No.:
276721-23001



1 Partial Roof Demolition Plan - Area F
1/16" = 1'-0"



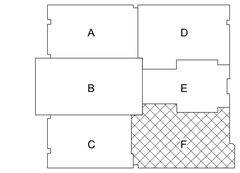
2 Partial Roof Power Plan - Area F
1/16" = 1'-0"

Keyed Notes:

1. REMOVE POWER CIRCUITRY TO HVAC EQUIPMENT BACK TO SOURCE. LABEL ANY UNUSED CIRCUIT BREAKERS AS "SPARE".
2. REMOVE 100A-3P BREAKER PREVIOUSLY SERVING RTU-4 IN PANEL A IN ELEC 117. PROVIDE 30A-3P BREAKER IN SAME SPACE IN PANEL A AND CONNECT USING (3)#10, (1)#10 G. IN 1/2" CONDUIT.
3. PROVIDE SUPPLY AIR DUCT SMOKE DETECTOR AND FAN SHUTDOWN RELAY AND CONNECT TO FIRE ALARM SYSTEM. WIRE RELAY TO MOTOR CONTROLLER.

General Notes:

A. REFER TO DRAWING AE050 FOR GENERAL NOTES.



Key Plan
N.T.S.

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S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

Partial Roof Plans - Area F

Drawn By:	Date:	Drawing Number:
Author	10/13/2023	AE161

Project No.:
276721-23001

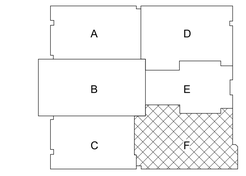
1 First Floor Fire Alarm Plan - Area F
1/8" = 1'-0"

Keyed Notes:

1. REPLACE EXISTING SMOKE/HEAT DETECTOR. CONNECT TO TAGGED CIRCUITRY, MODIFY/EXTEND CIRCUITRY AS NECESSARY.
2. REPLACE EXISTING FIRE ALARM MANUAL PULL STATION. CONNECT TO TAGGED CIRCUITRY, MODIFY/EXTEND CIRCUITRY AS NECESSARY.
3. REPLACE EXISTING STROBE/HORN STROBE WITH SPEAKER STROBE. CONNECT TO TAGGED CIRCUITRY, MODIFY/EXTEND CIRCUITRY AS NECESSARY.

General Notes:

A. REFER TO DRAWING AE050 FOR GENERAL NOTES.
B. FOR EACH EXISTING AHU, REPLACE A SUPPLY DUCT SMOKE DETECTOR, A RETURN DUCT SMOKE DETECTOR AND A FAN SHUTDOWN RELAY. FOR EACH DUCT DETECTOR, PROVIDE A SMOKE DETECTOR REMOTE STATUS AND ALARM INDICATOR.



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

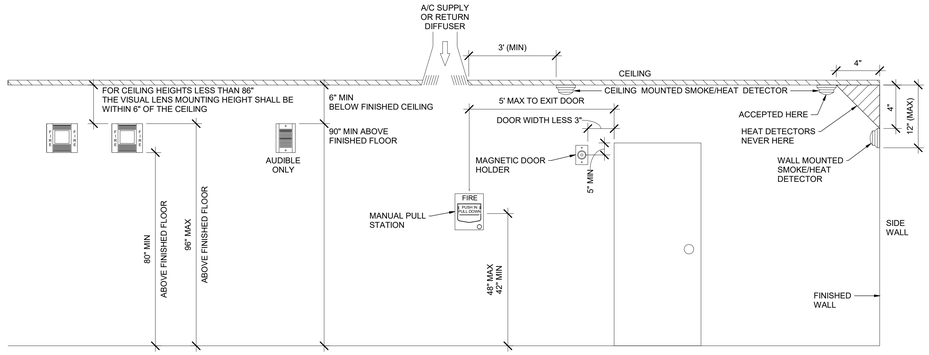
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

First Floor Fire Alarm Plan - Area F

Drawn By:	Date:	Drawing Number:
SAS	10/13/2023	AE205

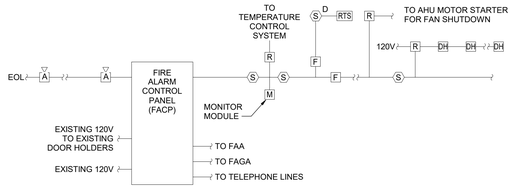
Project No.: 276721-23001



5 Typical Mounting Heights
NTS

DETECTOR LOCATION REQUIREMENTS (NFPA 72)		
d = DEPTH OF WALL SECTION ABOVE DOOR	DOOR FRAME MOUNTED (SMOKE DETECTOR LISTED FOR FRAME MOUNTING OR AS PART OF CLOSER ASSEMBLY)	CEILING MOUNTED (SMOKE DETECTOR)
0-24" ON BOTH SIDES OF DOORWAY	A: d = 24" — DETECTOR OR DETECTOR CLOSER MOUNTED ON EITHER SIDE	B: d — MAX. 5 FT. d MIN. BUT NOT LESS THAN 12" — ONE DETECTOR MOUNTED ON EITHER SIDE
over 24" ON ONE SIDE ONLY	C: d1 < 24", d2 > 24" — DETECTOR OR DETECTOR CLOSER MOUNTED ON HIGHER SIDE	D: d1 < 24", d2 > 24", 5 FT.MAX MIN. = d2 — DETECTOR MOUNTED ON HIGHER SIDE
over 24" ON BOTH SIDES	E: d > 24" — DETECTOR OR DETECTOR CLOSER MOUNTED ON EITHER SIDE	F: d, 5 FT.MAX MIN. = d, 5 FT.MAX MIN. = d — TWO DETECTORS REQUIRED
over 60"	MIGHT REQUIRE ADDITIONAL DETECTORS	

6 Smoke Detector Mounting Requirements (per NFPA 72)
NTS



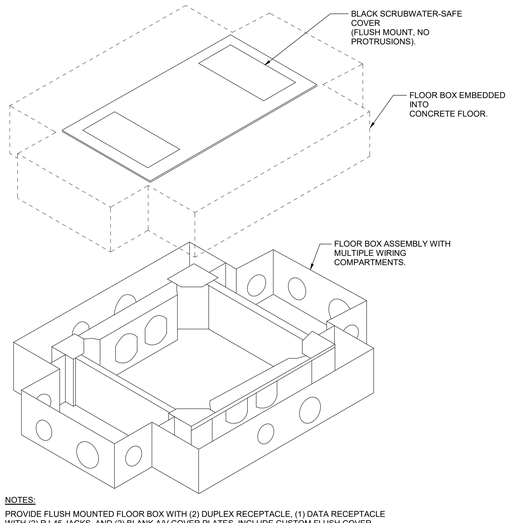
NOTE:
1. FIRE ALARM RISER IS INTENDED TO BE SCHEMATIC ONLY. ALL DEVICES INDICATED ON PLANS AND DETAILS ARE TO BE INSTALLED AND CONNECTED FOR PROPER OPERATION OF SYSTEM. WIRING SHALL BE AS REQUIRED BY FIRE ALARM MANUFACTURER.
2. FIELD VERIFY QUANTITY AND LOCATIONS OF HVAC EQUIPMENT REQUIRING DUCT DETECTORS AND/OR FAN SHUT DOWN RELAYS.

FIRE ALARM SEQUENCE OF OPERATION

A. UPON ACTIVATION OF MANUAL PULL STATIONS, HEAT DETECTORS, SMOKE DETECTORS, DUCT DETECTORS. THE FIRE ALARM PANEL WILL GO INTO ALARM AND SHOULD SOUND THE A/V DEVICES, SHUT DOWN THE FANS, RELEASE THE MAGNETIC DOOR HOLDERS, CONTACT THE LOCAL FIRE DEPARTMENT AND INDICATE WHICH ALARM ZONE THE ALARM IS IN VIA THE REMOTE ANNUNCIATORS.

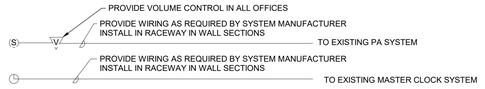
B. UPON ACTIVATION OF A TROUBLE CONDITION THE FIRE ALARM PANEL SHALL GO INTO "TROUBLE" MODE INDICATING WHICH ZONE IS IN TROUBLE BY A LIGHT IN THE REMOTE ANNUNCIATOR AND AT THE FIRE ALARM PANEL.

7 Fire Alarm System Wiring Diagram
NTS

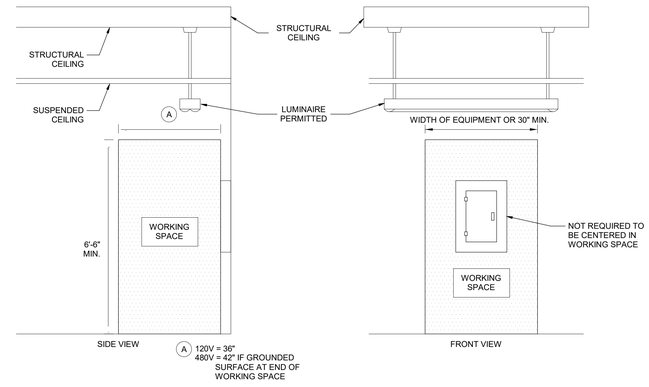


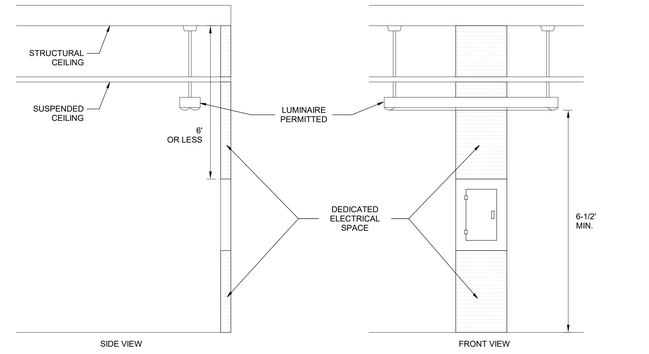
NOTES:
PROVIDE FLUSH MOUNTED FLOOR BOX WITH (2) DUPLEX RECEPTACLE, (1) DATA RECEPTACLE WITH (2) RJ-45 JACKS, AND (2) BLANK A/V COVER PLATES. INCLUDE CUSTOM FLUSH COVER FLOOR BOX IS TO BE INSTALLED EMBEDDED INTO CONCRETE WITH COVER FLUSH WITH FINISHED FLOOR.

4 Floor Box
12" = 1'-0"

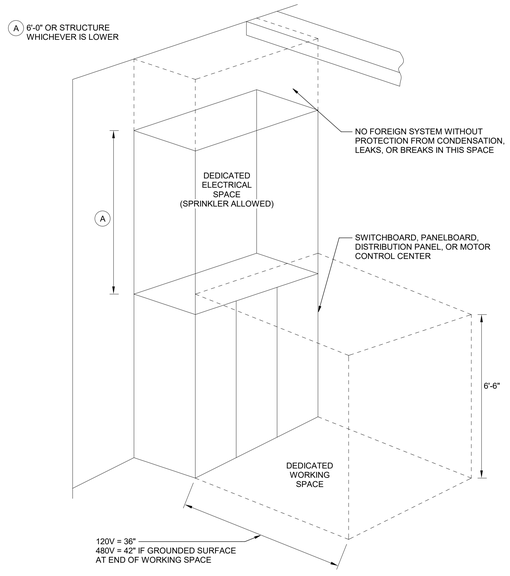


1 Clock and Speaker System Wiring Diagram
NTS





2 Working Space/ Dedicated Space at Panelboard
NTS



3 Working Space/Dedicated Space at Panelboard
NTS

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

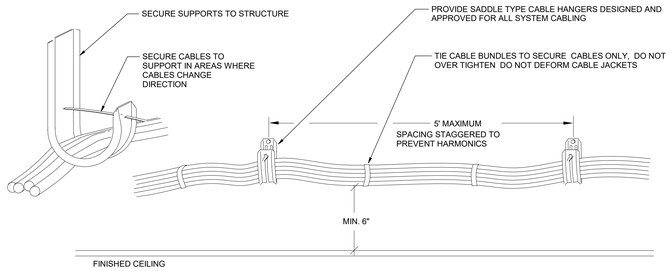
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

Details

Drawn By:	Date:	Drawing Number:
SAS	10/13/2023	AE500

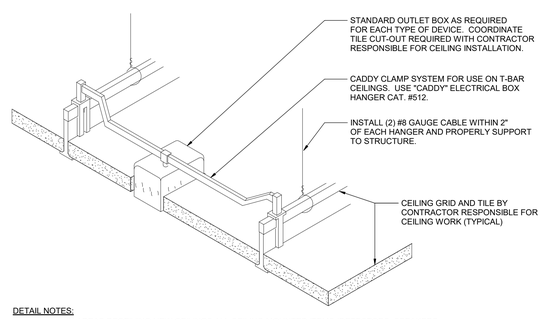
Project No.: 276721-23001



INSTALLATION NOTES:

1. LOCATE CABLE BUNDLES A MINIMUM OF 6" ABOVE REMOVABLE CEILINGS TO MAINTAIN CLEARANCE (ALONG WALLS WHERE POSSIBLE). LOCATE IN AREAS THAT ARE ACCESSIBLE.
2. USE 2 OR MORE CABLE HANGERS AT ALL TURNS TO MAINTAIN MANUFACTURER'S BEND RADIUS REQUIREMENTS.
3. THIS SUPPORT SYSTEM TO BE USED WHEREVER CABLE TRAY IS NOT INDICATED ON PLANS.

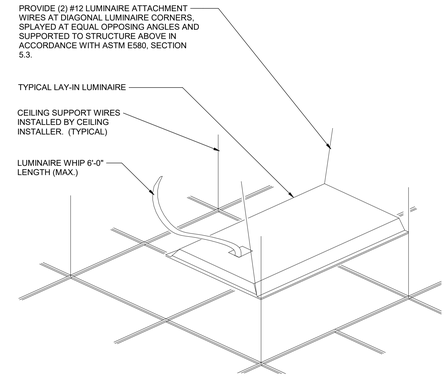
7 Typical Installation with Cable Hangars
NTS



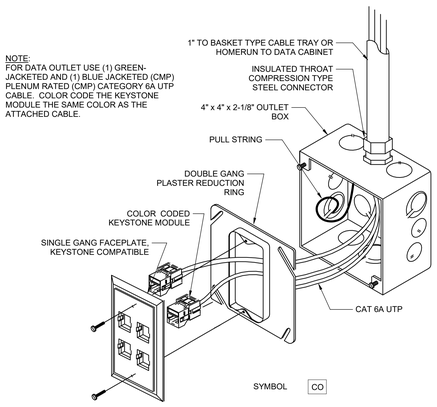
DETAIL NOTES:

A. IN AREAS RECEIVING NEW CEILINGS ALL CEILING MOUNTED ITEMS (DETECTORS, SPEAKERS, ETC) ARE TO BE CENTERED WITHIN THE PATTERN OF THE CEILING PANEL. A 2'X4' PANEL SCORED TO A 2'X2' PATTERN SHALL HAVE ITEMS CENTERED IN THE 2'x2' PORTION.
B. PROVIDE ADDITIONAL SUPPORT FOR EXIT SIGNS, WHERE REQUIRED.

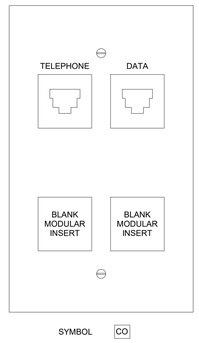
4 Ceiling Mounting Device Detail
NTS



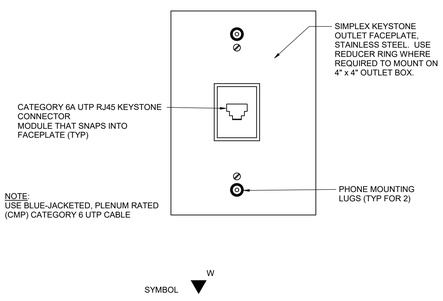
1 Typical Troffer Mounting Detail (Seismic Zones A,B,C)
NTS



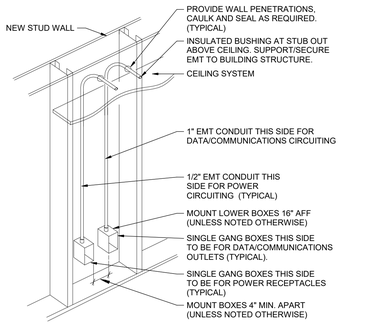
9 Data Outlet
NTS



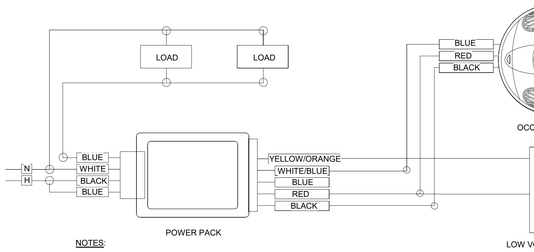
8 Typical Telephone Data Outlet Faceplate Configuration
NTS



5 Wall Phone
NTS



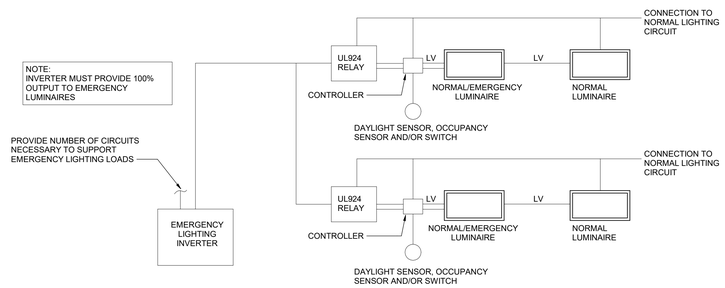
2 Conduit/Backbox Installation Detail
NTS



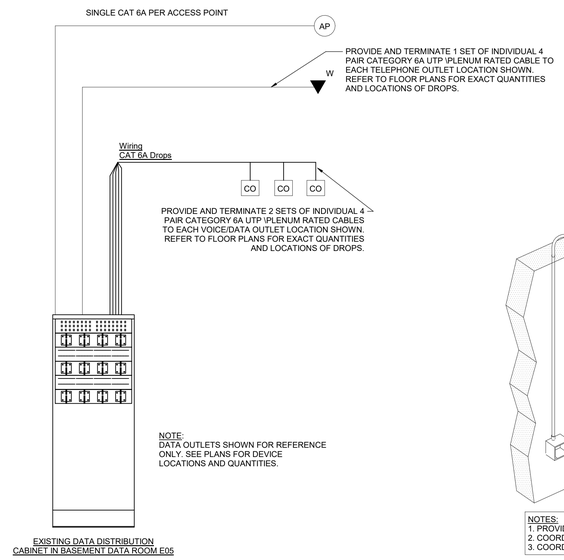
NOTES:

A. PAINT ALL SURFACE RACEWAY AND BOXES TO MATCH EXISTING SURFACES. (WHERE APPLICABLE).
B. PROVIDE ADDITIONAL POWER PACKS WHERE TWO OR MORE CIRCUITS FEED LIGHTING IN SAME ROOM.
C. ADJUST SENSITIVITY OF EACH OCCUPANCY SENSOR TO DETECT HUMAN MOVEMENT BUT NOT HVAC EQUIPMENT. ADJUST TIME DELAY FOR OPTIMUM PERFORMANCE. APPLY MASKING SEGMENTS TO DETECTION HEAD WHERE REQUIRED.
D. POWER PACK AND THE LOAD SWITCHED BY THE POWER PACK MUST BE FED FROM THE SAME PHASE.

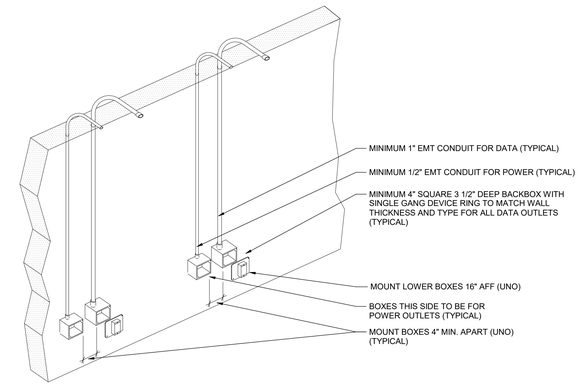
10 Occupancy Sensor Wiring Diagram
NTS



11 Emergency Miniature Inverter Wiring Diagram
NTS



6 Data Distribution Riser Diagram
NTS



NOTES:
1. PROVIDE LARGER BOXES AND CONDUIT SIZES WHEN REQUIRED TO ACCOMMODATE DEVICES AND WIRING
2. COORDINATE QUANTITY OF DEVICES AND TYPE OF DEVICE REQUIRED WITH FLOOR PLANS
3. COORDINATE CONDUIT LOCATIONS WITH OTHER TRADES AND OWNER PRIOR TO INSTALLATION

3 Conduit/Backbox Installation Detail
NTS

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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TETRA TECH ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

Details

Drawn By:	Date:	Drawing Number:
SAS	10/13/2023	AE501
Project No.: 276721-23001		

LUMINAIRE SCHEDULE

TYPE	SYMBOL	DESCRIPTION	LAMPS			MANUFACTURERS (OR EQUAL)	
			WATTAGE	LUMENS	TYPE	NAME	MODEL OR SERIES
1		2' x 2' FLAT PANEL (RECESSED IN GRID)	25	2903	LED	UTOPIA LIGHTING	ULP-2G-22-L25 (3500K)
1 EM		SAME AS TYPE 1 - CONNECT TO MINIATURE INVERTER	25	2903	LED	UTOPIA LIGHTING	ULP-2G-22-L25 (3500K)
2		.77" X .84" SURFACE LINEAR WITH DYNAMIC WHITE, REFER TO PLAN FOR LENGTHS	7.3/FOOT	442/FOOT	LED	LUMINII	45LD-35K8-DIM1-DV-5F-4H
2 EM		SAME AS TYPE 2 - CONNECT TO MINIATURE INVERTER	7.3/FOOT	442/FOOT	LED	LUMINII	45LD-35K8-DIM1-DV-5F-4H
3		2" DOWNLIGHT (RECESSED IN GYP)	14.5	820	LED	H.E. WILLIAMS	2AR-L9-80-35-L-W-OF-CS-
4		4.5" PENDANT CYLINDER	44	2108	LED	LIGHTHEADED	C3P-R-12-21-21-B55-35-8023-S
4 EM		SAME AS TYPE 4 - CONNECT TO MINIATURE INVERTER	44	2108	LED	LIGHTHEADED	C3P-R-12-21-21-B55-35-8023-S
5		.75"X.72" FLEXIBLE RGBW CHANNEL ACCENT WITH CLEAR END CAPS (MOUNTED ON UNDERSIDE EDGE OF COUNTER, LENS DOWN-REFER TO PLAN FOR LENGTH)	6 WATT/FOOT	REFER TO MANUFACTURER	LED	QTRAN	BOXA-RGBW-SGC-IP20-RGBW-30-6.0-ENC/CL-S5-CL-E
20		EXIT SIGN CEILING MOUNT SEE PLANS FOR DIRECTIONAL INDICATORS	4.8		LED	H.E. WILLIAMS	EXIT-R-EM-WHT

** ALL LUMINAIRES ARE 277V

* MANUFACTURER AND MODEL NUMBER ARE PROVIDED TO SHOW BASIS OF DESIGN ONLY.

1 Luminaire Schedule
NTS

PANELBOARD: PNL D (R)

Location: ELEC 324 Surface **MOUNTED** **SYM. A.I.C....** **ENCLOSURE TYPE** Type 1

AMP MAIN (LUGS) OR 225 A **AMP MAIN BREAKER WITH** 225 A **AMP TRIP**

SE LABEL

208Y/120V VOLTS 3 **PHASE** 4 **WIRE** 60 **HERTZ** 225 A **AMP BUS**

CKT NO.	POLES	TRIP AMPS	WIRE AWG	# OF WIRES	GRN. AWG	CONDUIT INCH	LOAD SERVED	A		B		C		LOAD SERVED	CONDUIT INCH	GRN. AWG	# OF WIRES	WIRE AWG	TRIP AMPS	POLES	CKT NO.
1	1	20 A					EXISTING LOAD	0 VA	0 VA												2
3	1	20 A					EXISTING LOAD			0 VA	0 VA			EXISTING LOAD					50 A	3	4
5	1	20 A					EXISTING LOAD					0 VA	0 VA								6
7	1	20 A					EXISTING LOAD	0 VA	0 VA					EXISTING LOAD					20 A	1	8
9	1	20 A					EXISTING LOAD			0 VA	0 VA			EXISTING LOAD					20 A	1	10
11	1	20 A					EXISTING LOAD					0 VA	0 VA	EXISTING LOAD					20 A	1	12
13	1	20 A					EXISTING LOAD	0 VA	0 VA					EXISTING LOAD					20 A	1	14
15	1	20 A					EXISTING LOAD			0 VA	0 VA			EXISTING LOAD					20 A	1	16
17	1	20 A					EXISTING LOAD					0 VA	0 VA	EXISTING LOAD					20 A	1	18
19	1	20 A					EXISTING LOAD	0 VA	0 VA					EXISTING LOAD					20 A	1	20
21	1	20 A					EXISTING LOAD			0 VA	0 VA			EXISTING LOAD					20 A	1	22
23	1	20 A					EXISTING LOAD					0 VA	0 VA	EXISTING LOAD					20 A	1	24
25	2	30 A					EXISTING LOAD	0 VA	0 VA					EXISTING LOAD					20 A	1	26
27										0 VA	0 VA			EXISTING LOAD					20 A	1	28
29	1	20 A					EXISTING LOAD					0 VA	0 VA	EXISTING LOAD					20 A	1	30
31	1	20 A					RCPT: 320H	720 VA	1080 VA					RCPT: 320H					20 A	1	32
33	1	20 A					RCPT: 320H			900 VA	900 VA			RCPT: 320G					20 A	1	34
35	1	20 A					RCPT: 320F					900 VA	900 VA	RCPT: 320 (FLOOR...					20 A	1	36
37	1	20 A					RCPT: 320E	720 VA	720 VA					RCPT: 320D					20 A	1	38
39	1	20 A					RCPT: 320			720 VA	0 VA			SPARE					20 A	1	40
41	1	20 A					SPARE					0 VA	0 VA	SPARE					20 A	1	42
							TOTAL CONNECTED LOAD PER PHASE...	3240 VA		2520 VA		1800 VA									
								A		B		C									

* -GFCI BREAKER ** -SHUNT TRIP BREAKER

TOTAL CONNECTED LOAD: 21 A
TOTAL CONNECTED LOAD: 7.560 kVA

-PROVIDE BREAKER AS REQUIRED BY PANELBOARD MANUFACTURER FOR...

SUPPLIED FROM: EXG TRANSFORMER

PANELBOARD: PNL D (L)

Location: ELEC 324 Surface **MOUNTED** **SYM. A.I.C....** **ENCLOSURE TYPE** Type 1

225 A **AMP MAIN (LUGS) OR** **AMP MAIN BREAKER WITH** **AMP TRIP**

SE LABEL

208Y/120V VOLTS 3 **PHASE** 4 **WIRE** 60 **HERTZ** 225 A **AMP BUS**

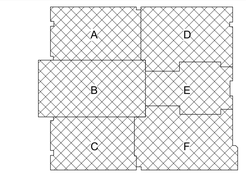
CKT NO.	POLES	TRIP AMPS	WIRE AWG	# OF WIRES	GRN. AWG	CONDUIT INCH	LOAD SERVED	A		B		C		LOAD SERVED	CONDUIT INCH	GRN. AWG	# OF WIRES	WIRE AWG	TRIP AMPS	POLES	CKT NO.
1	1	20 A					EXISTING LOAD	0 VA	0 VA					EXISTING LOAD					20 A	1	2
3	1	20 A					EXISTING LOAD			0 VA	0 VA			EXISTING LOAD					20 A	1	4
5	1	20 A					EXISTING LOAD					0 VA	0 VA	EXISTING LOAD					20 A	1	6
7	1	20 A					EXISTING LOAD	0 VA	0 VA					EXISTING LOAD					20 A	1	8
9	1	20 A					EXISTING LOAD			0 VA	0 VA			EXISTING LOAD					20 A	1	10
11	1	20 A					EXISTING LOAD					0 VA	0 VA	EXISTING LOAD					20 A	1	12
13	1	20 A					EXISTING LOAD	0 VA	0 VA					EXISTING LOAD					20 A	1	14
15	1	20 A					EXISTING LOAD			0 VA	0 VA			EXISTING LOAD					20 A	1	16
17	1	20 A					EXISTING LOAD					0 VA	0 VA	EXISTING LOAD					20 A	1	18
19	1	20 A					EXISTING LOAD	0 VA	0 VA					EXISTING LOAD					20 A	1	20
21	1	20 A					EXISTING LOAD			0 VA	0 VA			EXISTING LOAD					20 A	1	22
23	1	20 A					EXISTING LOAD					0 VA	0 VA	EXISTING LOAD					20 A	1	24
25								0 VA	0 VA					EXISTING LOAD					20 A	1	26
27	2	30 A					EXISTING LOAD			0 VA	0 VA			EXISTING LOAD					20 A	1	28
29	1	20 A					EXISTING LOAD					0 VA	0 VA	EXISTING LOAD					20 A	1	30
31	1	20 A					RCPT: CORRIDOR	1080 VA	900 VA					RCPT: 320					20 A	1	32
33	1	20 A					RCPT: 320A			1080 VA	900 VA			RCPT: 320B					20 A	1	34
35	1	20 A					RCPT: 320C					900 VA	900 VA	RCPT: 320					20 A	1	36
37	1	20 A					RCPT: 320	900 VA	360 VA					RCPT: 320A					20 A	1	38
39	1	20 A					RCPT: ROOF			180 VA	0 VA			SPARE					20 A	1	40
41	1	20 A					SPARE					0 VA	0 VA	SPARE					20 A	1	42
							TOTAL CONNECTED LOAD PER PHASE...	3240 VA		2160 VA		1800 VA									
								A		B		C									

* -GFCI BREAKER ** -SHUNT TRIP BREAKER

TOTAL CONNECTED LOAD: 20 A
TOTAL CONNECTED LOAD: 7.200 kVA

-PROVIDE BREAKER AS REQUIRED BY PANELBOARD MANUFACTURER FOR...

SUPPLIED FROM: EXG TRANSFORMER



Key Plan
N.T.S.

N

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

Schedules

Drawn By:	Date:	Drawing Number:
SAS	10/13/2023	AE600

Project No.: 276721-23001

1 First Floor - Key Plan
1/16" = 1'-0"

General Notes

A. VERIFY ALL PIPING LOCATIONS, SIZES, AND ARRANGEMENTS IN FIELD PRIOR TO BID. NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES.

B. VERIFY IN FIELD INVERT AND DIRECTION OF FLOW IN EXISTING SOIL PIPE WHERE NEW SOIL PIPE IS TO BE CONNECTED TO EXISTING SOIL PIPE.

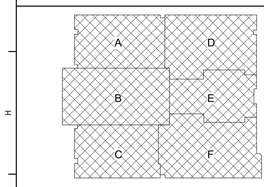
C. LEGALLY DISPOSE OF ALL DEMOLITION DEBRIS.

D. INCLUDE TRENCHING, CUTTING AND PATCHING OF FLOORS, WALLS AND CEILINGS, INCLUDING CEILING TILE REMOVAL AND REPLACEMENT, WHEN REQUIRED FOR PLUMBING WORK. PATCH ABANDONED OPENINGS AND DISTURBED FINISHES TO MATCH EXISTING. TAKE PRECAUTIONS TO PROTECT STRUCTURAL INTEGRITY OF FLOOR OR WALLS WHEN TRENCHING OR CUTTING.

E. MATERIALS FOR PLUMBING INSTALLATION SHALL BE NEW, UNLESS SPECIFICALLY NOTED OTHERWISE.

F. REFER TO DRAWING NO. AP400 FOR PLUMBING FIXTURE SCHEDULE.

G. PROVIDE THROUGH PENETRATION FIRESTOPPING FOR FIRE RATED WALLS AND FLOORS. PENETRATIONS THROUGH EXISTING WALLS AND FLOORS ARE CONSIDERED TWO-HOUR PARTITIONS UNLESS SPECIFICALLY NOTED OTHERWISE. REFER TO ARCHITECTURAL OR CODE COMPLIANCE DRAWINGS FOR LOCATION OF FIRE RATED WALLS AND FLOORS.



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

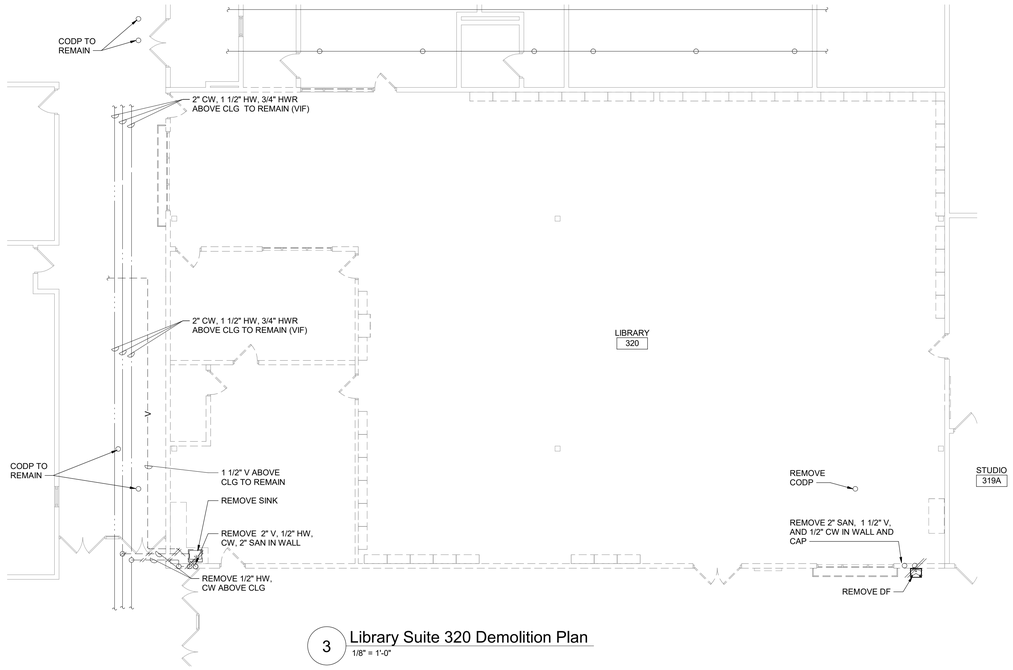
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

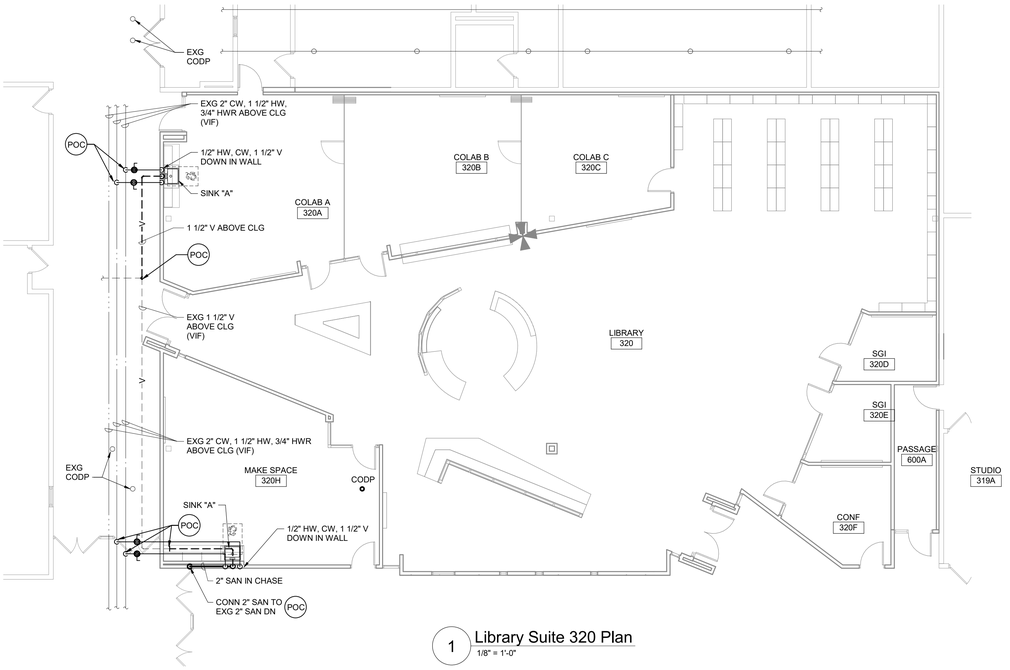
First Floor Key Plan

Drawn By:	Date:	Drawing Number:
DCG/ sef	10/13/2023	AP050

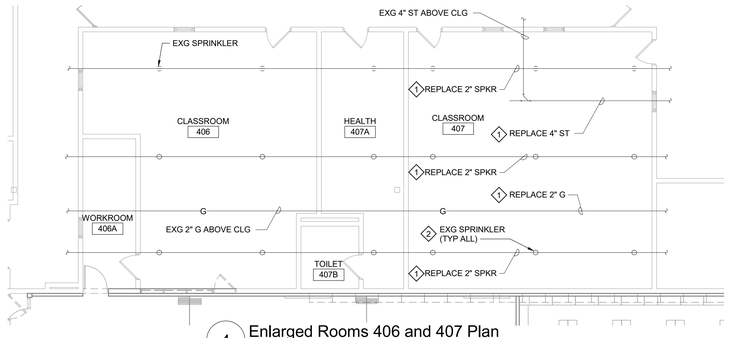
Project No.: 276721-23001



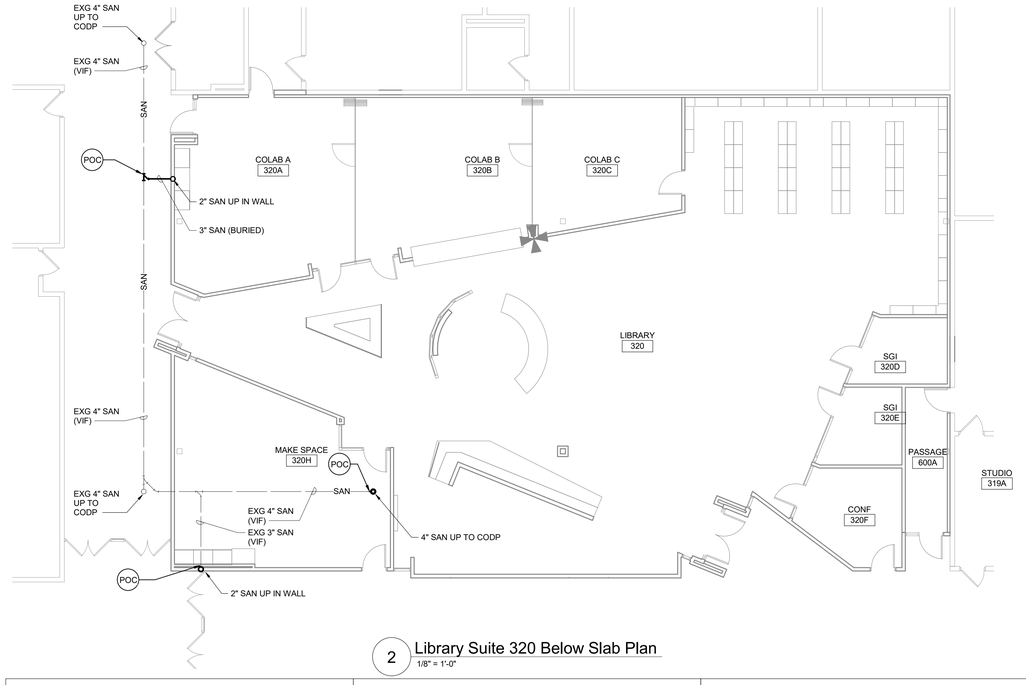
3 Library Suite 320 Demolition Plan
1/8" = 1'-0"



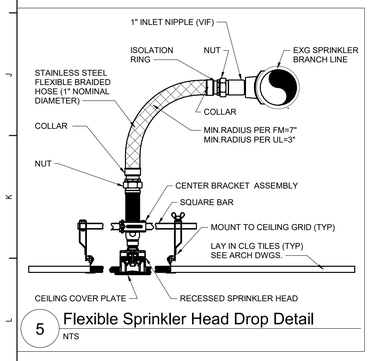
1 Library Suite 320 Plan
1/8" = 1'-0"



4 Enlarged Rooms 406 and 407 Plan
1/8" = 1'-0"



2 Library Suite 320 Below Slab Plan
1/8" = 1'-0"



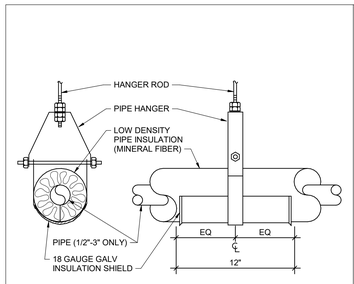
5 Flexible Sprinkler Head Drop Detail
NTS

Plumbing Fixture Schedule

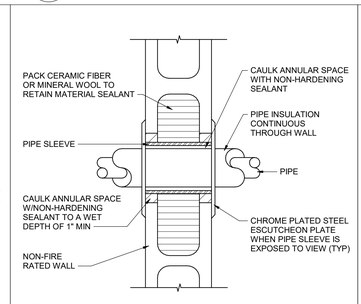
DWG LABEL	ROUGH-IN CONNECTION SIZE (INCHES)				BARRIER FREE	AGE GROUP	RIM HEIGHT	DESCRIPTION	NOTES
	SAN	VENT	CW	HW					
SINK "A"	1 1/2	1 1/2	1/2	1/2	YES	ADULT	-	ACCESSIBLE, STAINLESS STEEL, COUNTER MOUNTED SINK W/ MANUAL, SINGLE CONTROL MIXING FAUCET W/ SWING SPOUT, SUPPLIES, OFFSET DRAIN FITTING AND TRAP.	1, 2

NOTES:

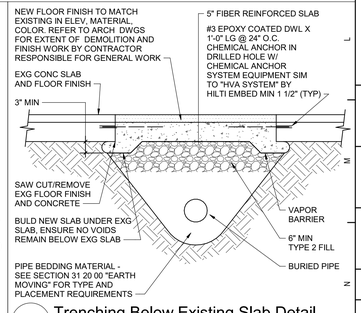
1. SIZES INDICATED ARE MINIMUM. LARGER SIZES SPECIFICALLY INDICATED ON DRAWINGS SUPERCEDE MINIMUM SIZES INDICATED IN THIS SCHEDULE.
2. PROVIDE TERMINATION STYLE AND SIZE FOR FIXTURE CONNECTIONS AS INDICATED BY FIXTURE MANUFACTURER.
3. DRAIN AND TRAP CONCEALED BEHIND ADA CASEWORK PANEL. REFER TO DETAILS ON ARCHITECTURE DRAWINGS.



8 Insulation Shield Detail
NTS



7 CMU Wall Pipe Sleeve Detail
NTS



6 Trenching Below Existing Slab Detail
NTS

Plan Notes

A. REFER TO DRAWING AP050 FOR GENERAL NOTES.

B. REMOVE PLUMBING FIXTURES INDICATED, INCLUDING ASSOCIATED PIPING, FASTENERS, SUPPORTS, ETC., BACK TO POINTS OF CONCEALMENT WITHIN OR BEHIND REMAINING WALLS, BELOW FLOORS OR ABOVE CEILINGS.

C. REMOVE ABANDONED ACCESSIBLE PIPING TO MAIN BRANCHES, STACKS OR RISERS AS REQUIRED TO ELIMINATE EXPOSED PIPING AND DEAD END PIPING RUNS LONGER THAN 1'-0". COORDINATE CONCEALMENT OF PIPING WITH FINAL CONSTRUCTION OF WALLS, FLOORS AND CEILINGS.

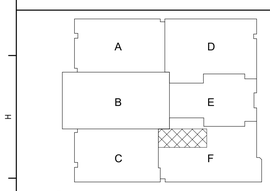
D. COORDINATE WORK WITH ABATEMENT DRAWINGS AND SPECIFICATIONS.

E. COORDINATE WORK WITH MECHANICAL DRAWINGS AND SPECIFICATIONS.

Plumbing Notes

1. REMOVE AS MUCH EXISTING PIPING AS REQUIRED TO ALLOW INSTALLATION OF STRUCTURAL STEEL REINFORCEMENT AND REPLACE PIPING AND INSULATION AFTER STRUCTURAL STEEL REINFORCEMENT WORK IS COMPLETE, COORDINATE WITH STRUCTURAL WORK IN THE FIELD.

2. DISCONNECT EXISTING SPRINKLERS AS REQUIRED FOR CEILING REMOVAL FOR STRUCTUAL STEEL REINFORCEMENT WORK. PROTECT AND REINSTALL SPRINKLERS ONCE STRUCTURAL REINFORCEMENT WORK IS COMPLETE.



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-015-026

Rev. No.:	Date:	Description:

complex world | CLEAR SOLUTIONS

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

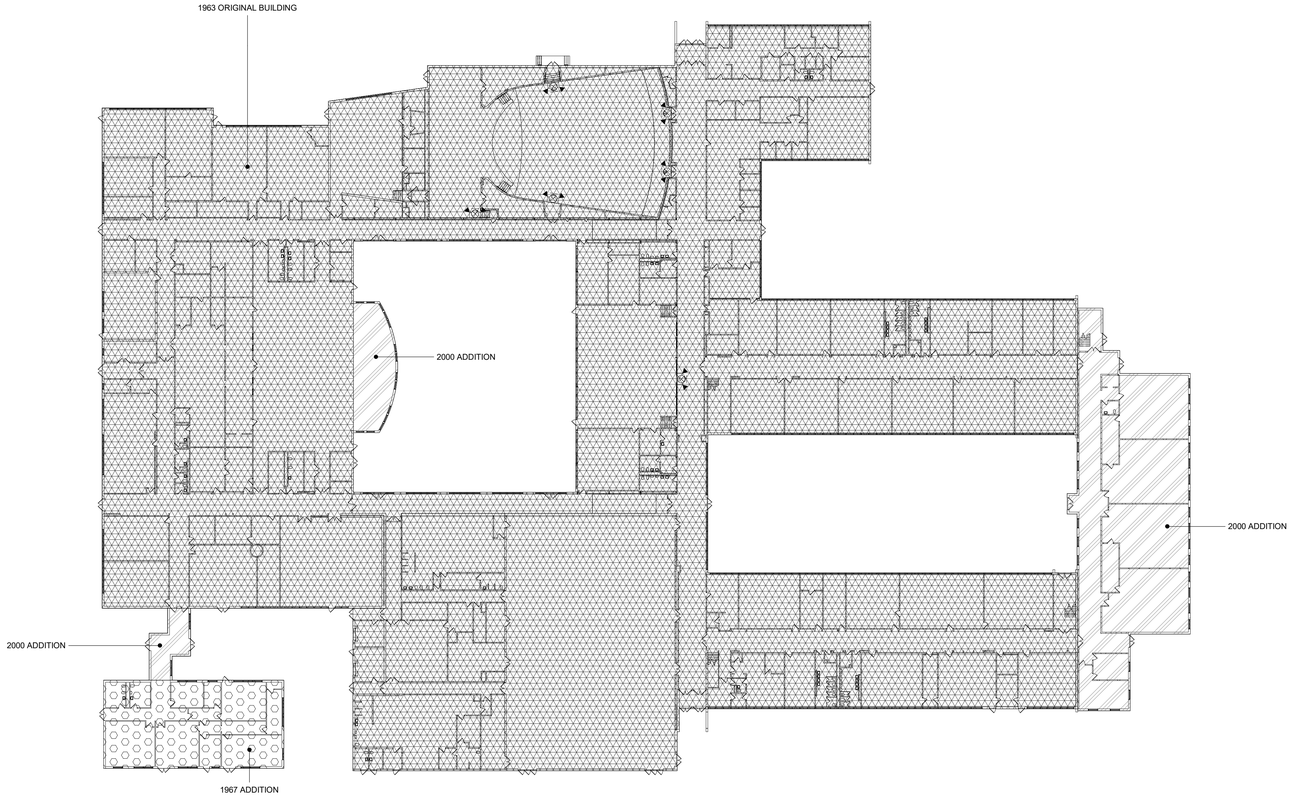
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Walter Panas High School

Partial Floor Plans, Schedules, and Details

Drawn By:	Date:	Drawing Number:
DCG/ sef	10/13/2023	AP400

Project No.:
276721-23001



1 Vintage Key Plan
1/32" = 1'-0"

Code Compliance Review

PROJECT LOCATION:
1349 EAST MAIN STREET, SHRUB OAK, NEW YORK 10588
BOUNDED BY COOPER STREET TO THE WEST, IVY ROAD TO THE SOUTH, STONEY STREET TO THE EAST AND MAIN STREET TO THE NORTH.

PROJECT DESCRIPTION:
THIS PROJECT INCLUDES RENOVATION OF APPROXIMATELY 5,960 SF OF SPACE ON THE FIRST FLOOR TO THE LIBRARY, PARTIAL ROOF REPLACEMENT, AUDITORIUM UPGRADES AND FIRE ALARM SYSTEM UPGRADES.

WORK GENERALLY CONSISTS OF THE FOLLOWING:
ALTERATIONS - LEVEL 1
- PARTIAL ROOF REPLACEMENT
- MASONRY RESTORATION

ALTERATIONS - LEVEL 2
- LIBRARY/MEDIA CENTER RENOVATION
- AUDITORIUM UPGRADES INCLUDING ASSITIVE LISTENING SYSTEM, SOUND SYSTEM, THEATRICAL LIGHTING, VIDEO SYSTEM AND LIGHTING AND SOUND CONSOLE.
- FIRE ALARM SYSTEM UPGRADE

APPLICABLE CODES [AND STANDARDS]:

BASED ON THE SED MANUAL OF PLANNING STANDARDS 2022, NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE INCLUDING APPLICABLE 2018 ICC CODES, 2020 BUILDING CODES of NYS, AND ICC A117.1-2017 STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES,

REFER TO PROJECT MANUAL FOR REQUIREMENTS STATED IN "NYCRR 155 REGULATIONS OF THE COMMISSIONER OF EDUCATION".

BUILDING DATA:

BUILDING: LAKELAND HIGH SCHOOL
1349 EAST MAIN STREET
SHRUB OAK, NY10588

DESCRIPTION: TWO STORY MASONRY AND REINFORCED CONCRETE BUILDING.

YEAR BUILT: 1963 (REGINALD E MARSH & PAUL L WOOD ASSOCIATED ARCHITECTS)
ADDITIONS: 1967 (FUDGE, UNDERHILL & BATTOGLIA ARCHITECTS & ENGINEERS)
2000 (KG&D ARCHITECTS, PC)

BUILDING AREA: 1ST FLOOR 137,310 SQFT
2ND FLOOR 37,450 SQFT

TOTAL GROSS AREA= 174,760 SQFT

CODE DATA SUMMARY:

BUILDINGS ARE BELIEVED TO HAVE BEEN CONSTRUCTED AND SUBSEQUENT ALTERATIONS MADE IN COMPLIANCE WITH CODES IN EXISTENCE AT THAT TIME.

USE GROUP: E : EDUCATION

CONSTRUCTION TYPE -

EXISTING: IIB

FIRE SAFETY: AN AUTOMATIC SPRINKLER SYSTEM IS NOT PROVIDED.

NO, SELF CONTAINED SYSTEMS AT FABRICATED PAINT BOOTH AND DUST COLLECTION SYSTEM.

WORK AREA:

LOCATION	AREA	% OF TOTAL
1ST FLOOR	5,960 SQFT	4.34%
2ND FLOOR	0 SQFT	0%

CORRIDOR DOORS: ALL CORRIDOR DOORS SCHEDULED TO BE REPLACED SHALL HAVE MINIMUM FIRE DOOR ASSEMBLY RATING OF 20 MINUTES IN ACCORDANCE WITH SECTION 716.5

PATH OF CODE COMPLIANCE:

2018 IEBC CODES AND 2020 EXISTING BUILDING CODE of NYS
301.1.2 WORK AREA COMPLIANCE METHOD

CHAPTER 5 - CLASSIFICATION OF WORK
503 ALTERATION - LEVEL 1 (CHAPTER 7)
504 ALTERATION - LEVEL 2 (CHAPTER 8)

NEW CONSTRUCTION WILL COMPLY WITH REQUIREMENTS OF 2018 ICC CODES AND 2020 BUILDING CODES OF NYS

EXIT TRAVEL DISTANCE (PER MANUAL OF PLANNING STANDARDS S107-1.B):
FOR EXIT TRAVEL DISTANCE - SEE CG351.

STAIR AND OTHER EXIT WIDTH CALCULATIONS (PER 1005.3.1 AND 1005.3.2):
FOR EXIT TRAVEL DISTANCE - SEE CG351.

CORRIDOR ENCLOSURES (PER TABLE 1020.1):
FOR CORRIDOR FIRE RESISTANCE - SEE ENLARGED PLANS, PARTITION TYPES AND DOOR SCHEDULE. ALL CROSS CORRIDOR PARTITIONS ARE SMOKE PARTITIONS AND EXTEND FROM FINISH FLOOR TO DECK ABOVE.

INTERIOR FINISH REQUIREMENTS:

ALL FINISHES IN CORRIDORS AND ASSEMBLY SPACES SHALL HAVE A FIRE HAZARD CLASSIFICATION PER MANUAL OF PLANNING STANDARDS SECTION 5203-1 a. AND b.

RESCUE LABEL / SIGNAGE NOTES:

1. REFER TO PLANS FOR RESCUE WINDOW LOCATIONS.
2. REFER TO SIGNAGE SPECIFICATION AND SIGNAGE DRAWINGS FOR TYPES AND LOCATIONS.

PROVIDE MAX OCCUPANCY SIGNS FOR THE FOLLOWING:

ROOM NAME	OCCUPANCY
LIBRARY	174

PROVIDE WARNING SIGN AT ALL MOVABLE PARTITIONS. SEE PROJECT MANUAL SECTION 01 35 26 FOR ADD'L REQUIREMENTS.

SIGNAGE FOR BAR JOIST

REFER TO SPECIFICATION SECTION 10 14 00 AND SIGNAGE DRAWINGS FOR TYPES AND LOCATIONS.

UL DESIGN NUMBERS:

BEAMS	UL# S721
BAR JOISTS	UL# D902
COMPOSITE SLAB	UL# D902
1 HR. STUD PARTITIONS	UL# U465
2 HR. STUD PARTITIONS	UL# U411
ROOF ASSEMBLY	UL# S721

General Code Notes

A. REFER TO CG351 FOR ADDITIONAL CODE COMPLIANCE INFORMATION.

B. COORDINATE WITH FLOOR PLANS, WALL SECTIONS AND PARTITION TYPES FOR RATED WALL TYPES AND LOCATIONS. IMMEDIATELY NOTIFY ARCHITECT OF ANY WALL RATING DISCREPANCIES BETWEEN CG351 DRAWINGS AND FLOOR PLANS.

C. ALL WALLS, INCLUDING AT CORRIDORS, SHALL EXTEND COMPLETELY TO THE UNDERSIDE OF DECKING, SUPPORTING STRUCTURE OR ROOF ABOVE, TYPICAL UNLESS NOTED OTHERWISE.

D. AT AREAS OF PROJECT WORK, COMPLETELY SEAL ALL PENETRATIONS REQUIRED TO COMPLY WITH FIRE RESISTANCE RATINGS IDENTIFIED ON THE CG351 DRAWING, REGARDLESS IF WALL IS NEW OR EXISTING, TYPICAL UNLESS NOTED OTHERWISE.

E. PROVIDE APPLIED FIREPROOFING TO ALL BEAMS, JOISTS AND STRUCTURAL STEEL ELEMENTS AT ALL FIRE BARRIERS, FIRE PARTITIONS, AND OTHER RATED WALLS WHERE INDICATED ON DRAWINGS, AND THAT ARE NOT COMPLETELY PROTECTED WITHIN THE RATED CONSTRUCTION. PROTECTION OF SUCH ELEMENTS SHALL MATCH THE RATING OF THE WALL THAT THE ELEMENTS ARE CONTAINED WITHIN.

F. ALL CMU CONSTRUCTION SHALL MEET FIRE RESISTANCE REQUIREMENTS INDICATED. PROVIDED BLOCK TYPE AS REQUIRED TO COMPLY WITH UL DESIGN NUMBERS AND WALL RATINGS INDICATED, REGARDLESS IF NOTED AS SUCH ON PLAN DETAILS.

G. AT AREAS OF PROJECT WORK IN CORRIDORS COMPLETELY SEAL ALL NEW PENETRATIONS AND PENETRATIONS FROM DEMOLITION WORK TO COMPLY WITH FIRE RESISTANCE RATINGS OF 1 HOUR, AND IN STAIRS, ELECTRICAL ROOMS, MECHANICAL ROOMS AND BOILER ROOM WALLS TO COMPLY WITH FIRE RESISTANCE RATINGS OF 2 HOURS, REGARDLESS IF WALL IS NEW OR EXISTING, TYPICAL UNLESS NOTED OTHERWISE.

General Notes

A. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS.

B. TAKE FIELD MEASUREMENTS TO FIT THE WORK PROPERLY. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD.

C. REFER INCONSISTENCIES TO ARCHITECT PRIOR TO COMMENCING THE WORK IN AFFECTED AREA.

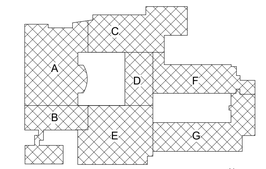
D. ITEMS ARE SHOWN DIAGRAMMATICALLY ON DRAWINGS. VERIFY SPACE REQUIREMENTS AND DIMENSIONS TO FIT THE WORK PROPERLY.

E. NOTES SHOWN ON ONE DRAWING APPLY TO ALL SIMILAR DRAWINGS.

F. DO NOT DISTURB CONSTRUCTION SUSPECTED OF CONTAINING HAZARDOUS MATERIAL. IF ENCOUNTERED, IMMEDIATELY NOTIFY ARCHITECT, CONSTRUCTION MANAGER AND OWNER.

G. AT AREAS OF PROJECT WORK IN CORRIDORS COMPLETELY SEAL ALL PENETRATIONS TO COMPLY WITH FIRE RESISTANCE RATINGS OF 1 HOUR, AND IN STAIRS, ELECTRICAL ROOMS, MECHANICAL ROOMS AND BOILER ROOM WALLS TO COMPLY WITH FIRE RESISTANCE RATINGS OF 2 HOURS, REGARDLESS IF WALL IS NEW OR EXISTING, TYPICAL UNLESS NOTED OTHERWISE.

H. DIMENSIONS ARE FROM FACE OF MASONRY, FROM FACE OF METAL FRAMING OR FROM FACE OF EXISTING CONSTRUCTION. TYP UNO. MASONRY DIMENSIONS ARE NOMINAL.



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:
1	05/02/2024	SED ADDENDUM #1

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

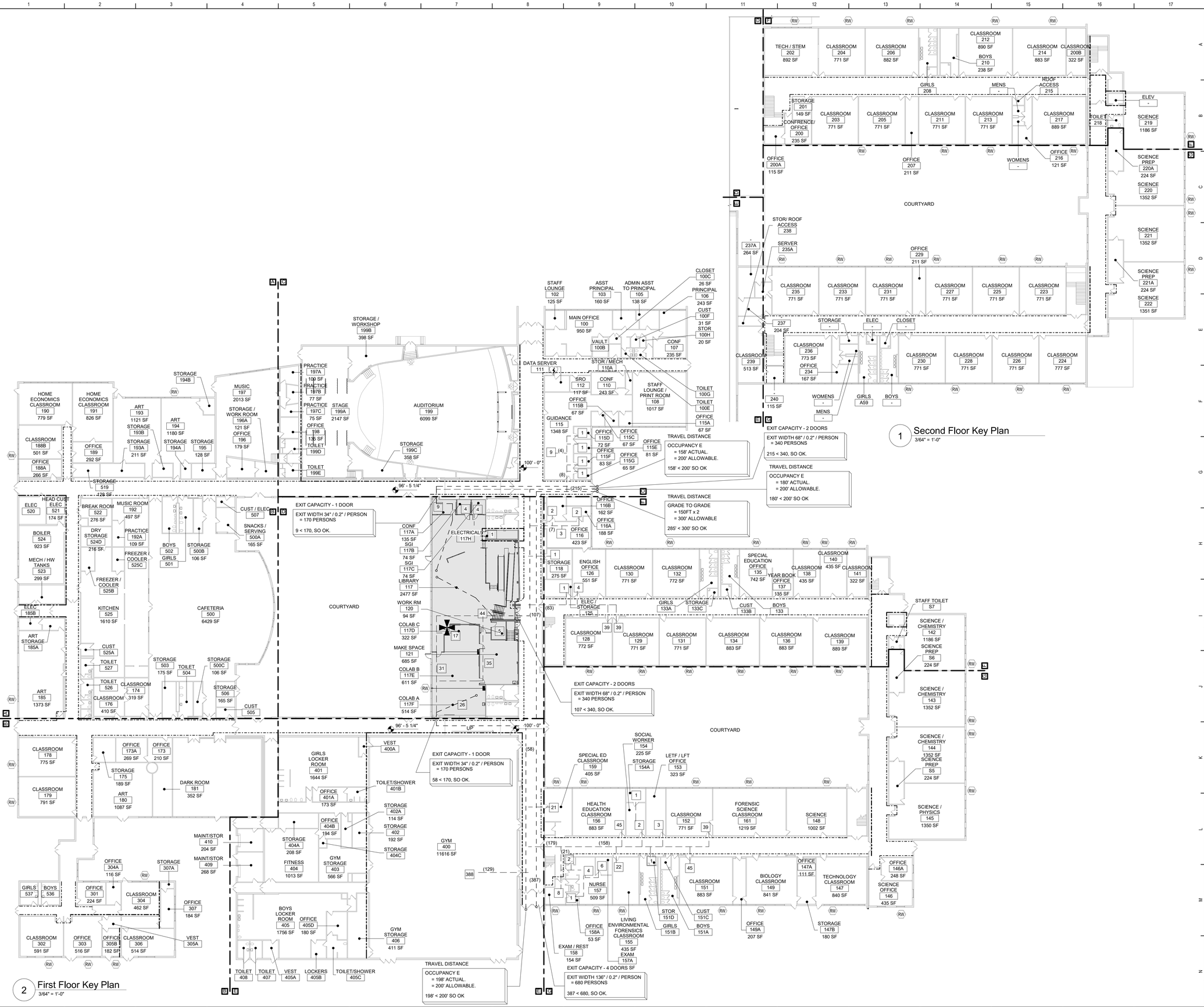
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

Code Compliance Review and Vintage Key Plan

Drawn By:	Date:	Drawing Number:
TLG	10/13/2023	CG350

Project No.: 276721-23001



General Code Notes

A. REFER TO CG351 FOR ADDITIONAL CODE COMPLIANCE INFORMATION.

B. COORDINATE WITH FLOOR PLANS, WALL SECTIONS AND PARTITION TYPES FOR RATED WALL TYPES AND LOCATIONS. IMMEDIATELY NOTIFY ARCHITECT OF ANY WALL RATING DISCREPANCIES BETWEEN CG351 DRAWINGS AND FLOOR PLANS.

C. ALL WALLS, INCLUDING AT CORRIDORS, SHALL EXTEND COMPLETELY TO THE UNDERSIDE OF DECKING, SUPPORTING STRUCTURE OR ROOF ABOVE, TYPICAL UNLESS NOTED OTHERWISE.

D. AT AREAS OF PROJECT WORK, COMPLETELY SEAL ALL PENETRATIONS REQUIRED TO COMPLY WITH FIRE RESISTANCE RATINGS IDENTIFIED ON THE CG351 DRAWING, REGARDLESS IF WALL IS NEW OR EXISTING, TYPICAL UNLESS NOTED OTHERWISE.

E. PROVIDE APPLIED FIREPROOFING TO ALL BEAMS, JOISTS AND STRUCTURAL STEEL ELEMENTS AT ALL FIRE BARRIERS, FIRE PARTITIONS, AND OTHER RATED WALLS WHERE INDICATED ON DRAWINGS, AND THAT ARE NOT COMPLETELY PROTECTED WITHIN THE RATED CONSTRUCTION. PROTECTION OF SUCH ELEMENTS SHALL MATCH THE RATING OF THE WALL THAT THE ELEMENTS ARE CONTAINED WITHIN.

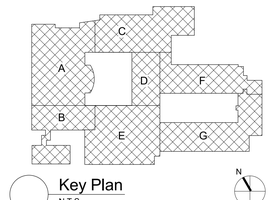
F. ALL CMU CONSTRUCTION SHALL MEET FIRE RESISTANCE REQUIREMENTS INDICATED. PROVIDED BLOCK TYPE AS REQUIRED TO COMPLY WITH UL DESIGN NUMBERS AND WALL RATINGS INDICATED, REGARDLESS IF NOTED AS SUCH ON PLAN DETAILS.

G. AT AREAS OF PROJECT WORK IN CORRIDORS COMPLETELY SEAL ALL NEW PENETRATIONS AND PENETRATIONS FROM DEMOLITION WORK TO COMPLY WITH FIRE RESISTANCE RATINGS OF 1 HOUR, AND IN STAIRS, ELECTRICAL ROOMS, MECHANICAL ROOMS AND BOILER ROOM WALLS TO COMPLY WITH FIRE RESISTANCE RATINGS OF 2 HOURS, REGARDLESS IF WALL IS NEW OR EXISTING, TYPICAL UNLESS NOTED OTHERWISE.

Legend

ALL WALLS, INCLUDING CORRIDOR WALLS, EXTEND TO THE ROOF DECK OR FLOOR DECK ABOVE UNLESS NOTED OTHERWISE.

- 2-HOUR FIRE BARRIER
- 1-HOUR FIRE PARTITION
- COMMON EGRESS PATH
- XX — NUMBER OF OCCUPANTS IN EACH SPACE, UNO
- (XX) — NUMBER OF OCCUPANTS ALONG EGRESS PATH
- NEW FIRE EXTINGUISHER LOCATION
- RW — RESCUE WINDOW
- ALTERATION LEVEL 2 WORK AREA



S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:
1	05/02/2024	SED ADDENDUM #1

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

Code Compliance First and Second Floor Key Plan

Drawn By:	Date:	Drawing Number:
TLG	10/13/2023	CG351
Project No.: 276721-23001		

ASBESTOS ABATEMENT
GENERAL NOTES

GENERAL NOTES:

1. ALL ASBESTOS REMOVAL SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAW, GUIDELINES, REGULATIONS, ORDERS AND DIRECTIVES, INCLUDING WITHOUT LIMITATIONS, THE U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA), AND U.S. DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH (NIOSH), AND NEW YOK STATE DEPARTMENT OF LABOR (NYSDOL).

2. CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT, SERVICES, ETC., NECESSARY TO PERFORM THE WORK REQUIRED FOR ASBESTOS ABATEMENT IN ACCORDANCE WITH CONTRACT DOCUMENTS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

3. CONTRACTOR SHALL DEVELOP AND IMPLEMENT A WRITTEN STANDARD PROCEDURE FOR ABATEMENT WORK TO ENSURE MAXIMUM PROTECTION AND SAFEGUARD FROM ASBESTOS EXPOSURE OF THE WORKERS, VISITORS, EMPLOYEES, GENERAL PUBLIC, AND THE ENVIRONMENT.

4. CONTRACTOR SHALL PROVIDE SIGNS, LABELS, WARNINGS, AND POST INSTRUCTIONS THAT ARE NECESSARY TO PROTECT, INFORM AND WARN PEOPLE OF THE HAZARD FROM ASBESTOS EXPOSURE. POST IN A PROMINENT AND CONVENIENT PLACE FOR THE WORKERS A COPY OF THE LATEST APPLICABLE REGULATIONS FROM OSHA, EPA, NIOSH AND NYSDOL.

5. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATION.

6. THE CONTRACTOR SHALL RELOCATE ALL FURNITURE, LOCKERS, DESKS AND OTHER MISC. ITEMS IN AND OUT OF THE WORK AREAS TO ACCOMODATE ASBESTOS ACTIVITIES, IF THE SCHOOL DOES NOT PROVIDE.

7. THE CONTRACTOR SHALL PROVIDE ALL ELECTRICAL, WATER, AND WASTE CONNECTIONS, TIE–INS, EXTENSIONS, CONSTRUCTION MATERIALS, SUPPLIES, ETC. AS REQUIRED TO FACILITATE ASBESTOS REMOVAL, IF THE SCHOOL DOES NOT PROVIDE.

8. CONTRACTOR SHALL PROVIDE TEMPORARY ELECTRIC AND LIGHT THROUGHOUT THE WORK AREA(S) AS REQUIRED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS AND CODES.

9. CONTRACTOR SHALL PROPERLY PROTECT ALL CONTROLS, TUBING, ELECTRICAL PANELS, EQUIPMENT, ETC. WITHIN THE WORK AREA.

10. THE CONTRACTOR SHALL BE REQUIRED TO ISSUE NON–WHITE WORK COVERALLS FOR ALL ABATEMENT WORKERS.

11. CONTRACTOR SHALL EXERCISE EXTREME CARE AND CAUTION DURING ANY AND ALL DEMOLITION AND ABATEMENT OPERATIONS. CONTRACTOR SHALL CONDUCT REMOVAL OF ALL MATERIALS FROM THE SITE WITH MINIMUM DISTURBANCE; PROVIDE PROPER PROTECTION AND REGULAR MAINTENANCE OF ALL BUILDING PREMISES DIRECTLY OR INDIRECTLY ASSOCIATED WITH ABATEMENT OPERATIONS.

12. THE CONTRACTOR SHALL USE A WATER SPRAYER TO WET ASBESTOS CONTAINING MATERIALS INSIDE THE WORK AREA.

13. CONTRACTOR SHALL CONSTRUCT A PERSONAL/WASTE DECONTAMINATION ENCLOSURE SYSTEM (P./W.D.E.S.) AS INDICATED. IT SHALL BE OF SUFFICIENT SIZE TO ACCOMMODATE STORAGE OF MATERIALS, EQUIPMENT, ETC.

14. IF WATER IS NOT AVAILABLE, THE CONTRACTOR SHALL PROVIDE A 55 GALLON WATER TANK FOR THE DECONTAMINATION UNIT.

15. THE CONTRACTOR SHALL UTILIZE GFCI PANEL CONNECTIONS AT THE SOURCE OUTLET WHEN ACCESSING TEMPORARY POWER.

16. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE TEMPORARY WATER AND POWER SOURCES PRIOR TO ABATEMENT ACTIVITIES.

17. DEBRIS RESULTING FROM ANY DEMOLITION AND/OR ASBESTOS ABATEMENT ACTIVITIES SHALL BE DISPOSED OF AS ASBESTOS CONTAMINATED WASTE.

18. NO WASTE SHALL BE STORED ON SITE OR INSIDE THE DECONTAMINATION UNIT BETWEEN SHIFTS. WASTE SHALL BE DOUBLE BAGGED BEFORE PROCEEDING TO THE CONTAINER AND/OR DECON. BAGS WILL BE MOVED FROM WORK AREAS TO THE WASTE DECON AND SUBSEQUENTLY TO THE CONTAINER IN COVERED CARTS. BAGS WILL BE CARRIED BY HAND ONLY WHEN NECESSARY. ALL WASTE SHALL BE CONTAINERIZED AT THE END OF EACH WORK SHIFT BEFORE RELINQUISHING TO WASTE HAULER.

19. CONTRACTOR IS RESPONSIBLE TO COORDINATE AND CONFIRM THE EXACT SCOPE OF WORK, AND QUANTITY FOR EACH PHASE OF ABATEMENT WITH THE GENERAL CONTRACTOR AND OTHER TRADES.

20. CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, TOOLS, TRANSPORTATION AND ANY OTHER EQUIPMENT REQUIRED AND/OR NECESSARY TO COMPLETE ALL WORK DESCRIBED IN THE CONTRACT DOCUMENTS.

DRAWING	DRAWING NAME
H-001.00	ASBESTOS ABATEMENT - GENERAL NOTES
H-002.00	ASBESTOS ABATEMENT - FIRST FLOOR PLAN

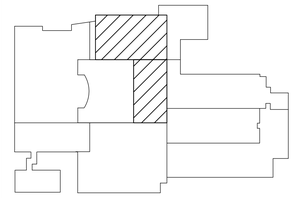
STATE OF NEW YORK
ROBERT SCOTT MASONE
084951
LICENSED PROFESSIONAL ENGINEER

DESIGNER: ROBERT S. MASONE, P.E. LIC. # 084951

N

KEY PLAN

Lakeland High School



ENVIRONMENTAL CONSULTANT

LANGAN

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

One North Broadway, Suite 910
White Plains, NY 10601

T: 914.323.7400 F: 914.323.7401 www.langan.com

REVISIONS:

NUMBER	DESCRIPTION	DATE
1		
2		
3		
4		

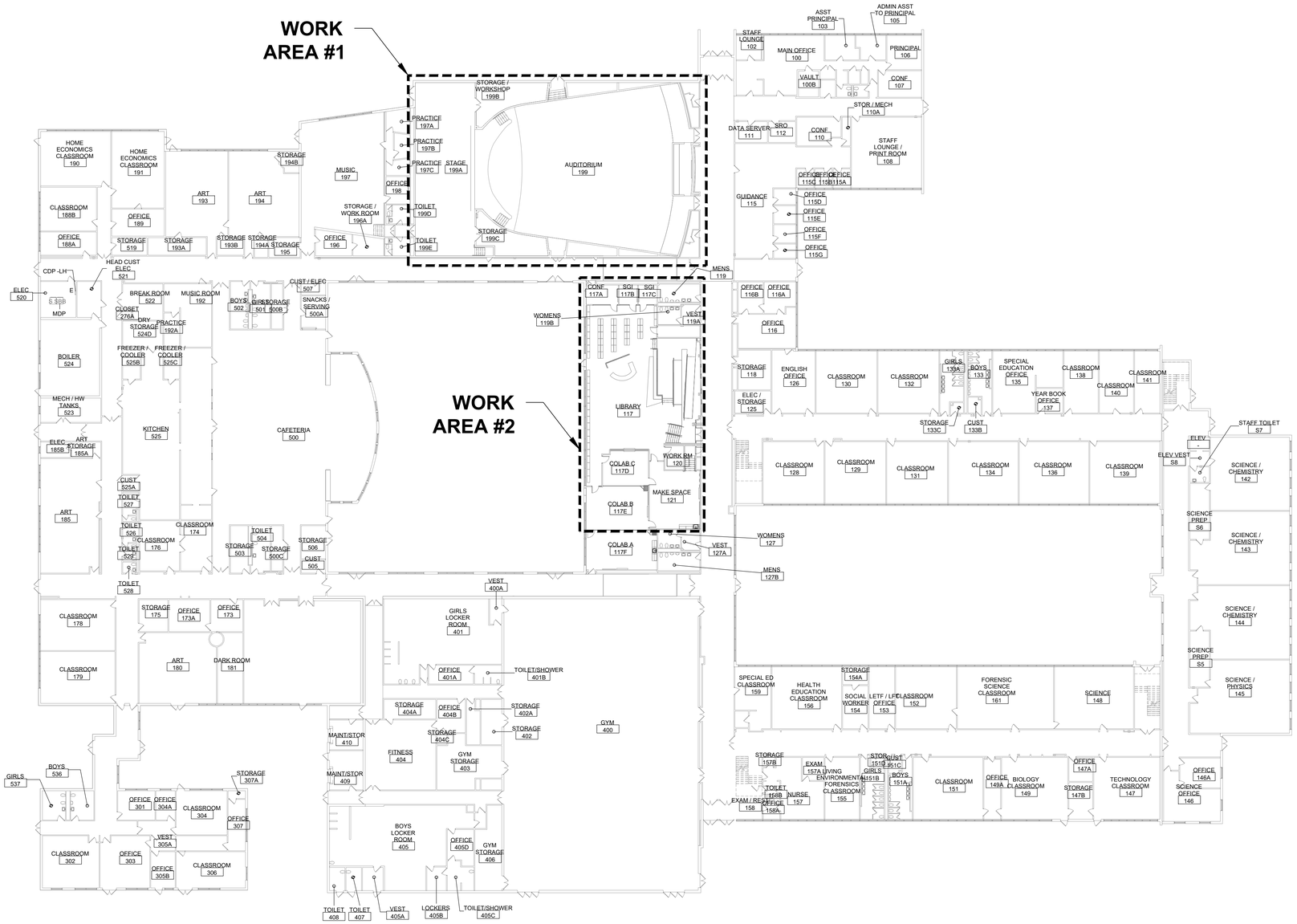
LAKELAND HIGH SCHOOL
1349 E MAIN STREET,
SHRUB OAK, NY 10588

DRAWING TITLE:
ASBESTOS ABATEMENT
GENERAL NOTES

DRAWN BY:	PARTHI . M	SCALE:	NOT TO SCALE
PROJ. DESIGNER:	R. MASONE	DATE:	10/08/2023
CHECKED BY:	C. NAPOLITANO	DRAWING NUMBER:	H-001.00

DRAWING NUMBER: 1 of 2

CONSULTANTS PROJECT #: 101061221



LEGEND

WORK AREA BOUNDARY

WORK AREA	LOCATION	ASBESTOS-CONTAINING MATERIAL	APPROXIMATE QUANTITY	REMOVAL PROCEDURES
1	Auditorium	Ceiling Plaster, White Coat	+/- 5,500 square feet	NYSDOL 12 NYCRR Part 56-7 Full Containment
2	Throughout School	Pipe Mudded Joints (Above Ceiling Tiles)	+/- 400 Linear Feet (or as per the final scope of work)	NYSDOL 12 NYCRR Part 56-7.11 (1)(i) NEGATIVE PRESSURE TENT
	Library Testing Center	Chalkboard & Mastic	+/- 32 square feet	NYSDOL 12 NYCRR Part 56-11.7 Non-Friable and/or Mastic Removal
	Library Testing Center, Storage Room, Computer Storage Room,	9"x9" Floor Tile & Mastic	+/- 1382 square feet	

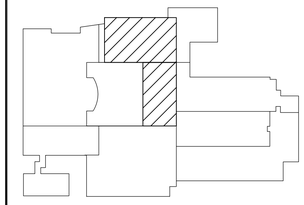
1 FIRST FLOOR PLAN

SCALE: NTS

DESIGNER: ROBERT S. MASONE, P.E. LIC. # 084951

KEY PLAN

Lakeland High School



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REVISIONS:

NUMBER	DESCRIPTION	DATE
1		
2		
3		
4		

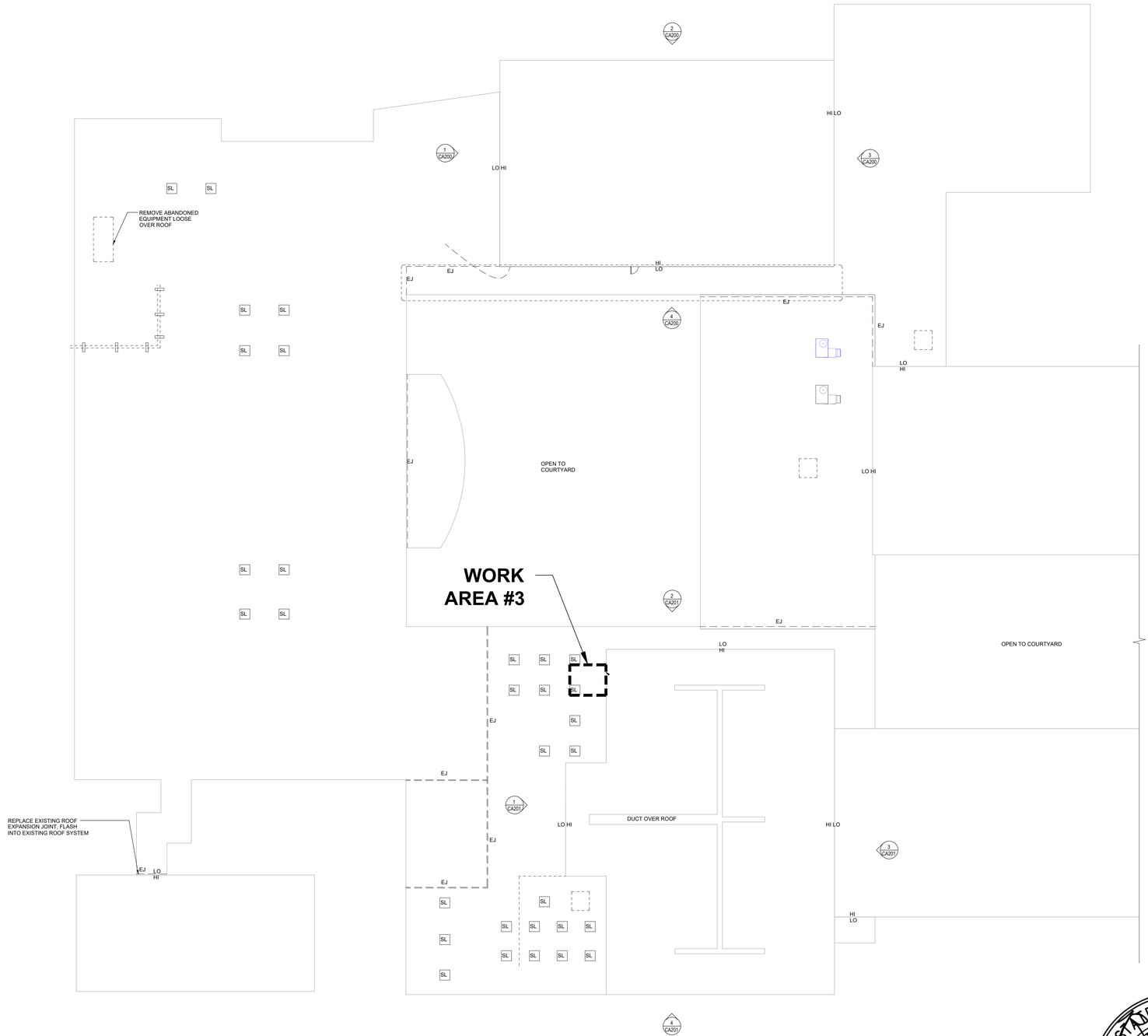
LAKELAND HIGH SCHOOL
1349 E MAIN STREET,
SHRUB OAK, NY 10588

DRAWING TITLE:

ASBESTOS ABATEMENT FIRST FLOOR PLAN

DRAWN BY:	PARTHI . M	SCALE:	NOT TO SCALE
PROJ. DESIGNER:	R. MASONE	DATE:	10/08/2023
CHECKED BY:	C. NAPOLITANO	DRAWING NUMBER:	H-002.00
		DRAWING NUMBER:	2 of 2

CONSULTANTS PROJECT #: 101061221



LEGEND

WORK AREA BOUNDARY

WORK AREA	LOCATION	ASBESTOS-CONTAINING MATERIAL	APPROXIMATE QUANTITY	REMOVAL PROCEDURES
3	Mechincal room lower roof by gym	Caulking associated with metal door frame-Grey	+/- 27 linear feet	NYSDOL 12 NYCRR Part 56-11.6 Exterior Project Removal of Non-Friabl ACM Roofing, Siding, Caulking, Glazing, Transite and other NOB ACM's

1 ROOF PLAN
SCALE: NTS

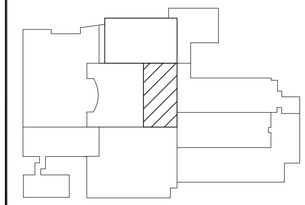
STATE OF NEW YORK
ROBERT SCOTT MASONE
084951
LICENSED PROFESSIONAL ENGINEER

DESIGNER: ROBERT S. MASONE, P.E. LIC. # 084951

N

KEY PLAN

Lakeland High School



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T: 914.323.7400 F: 914.323.7401 www.langan.com

REVISIONS:

NUMBER	DESCRIPTION	DATE
1		
2		
3		
4		

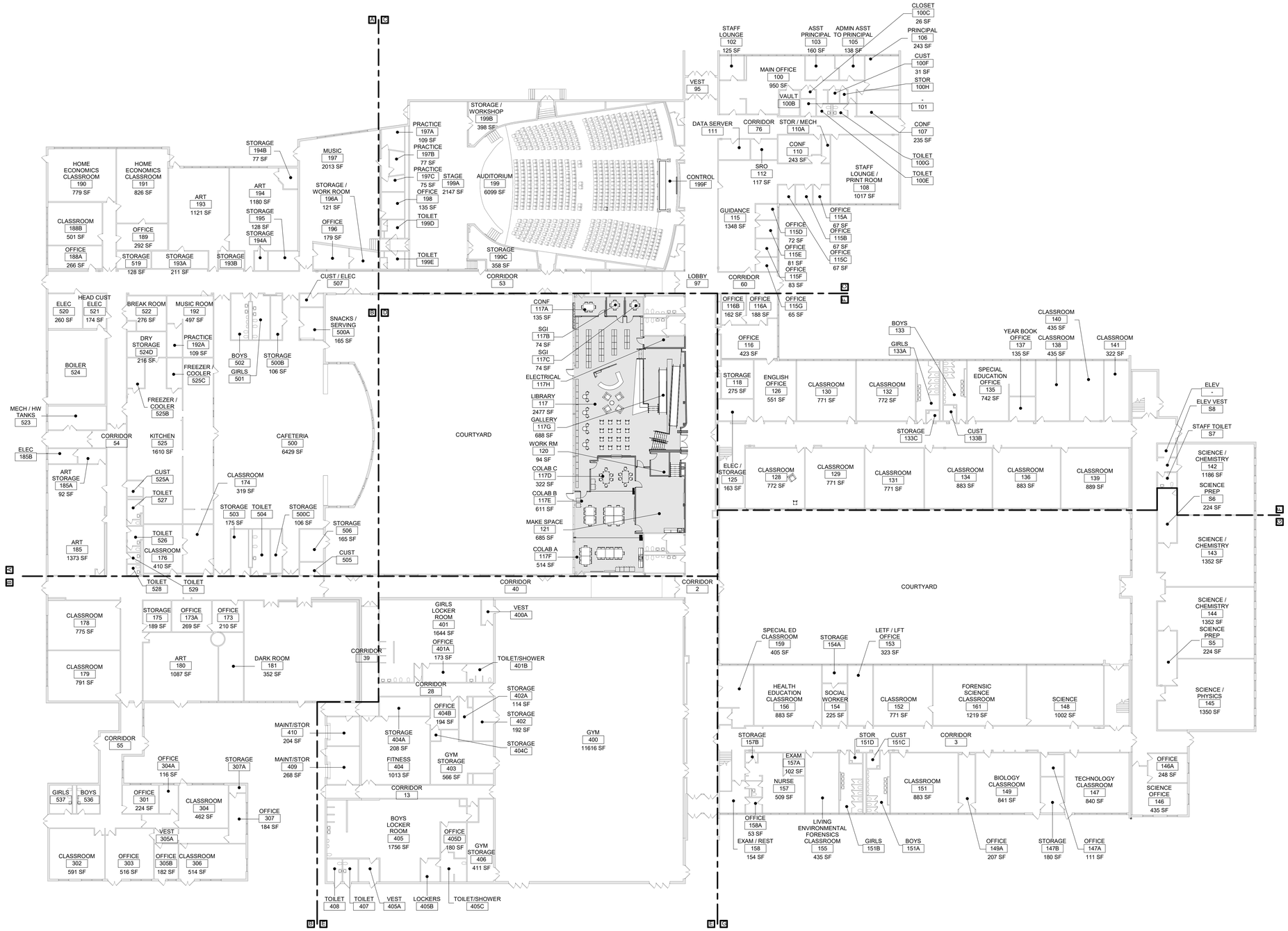
LAKELAND HIGH SCHOOL
1349 E MAIN STREET,
SHRUB OAK, NY 10588

DRAWING TITLE:
ROOF PLAN AND DETAILS

DRAWN BY:	RESTREPO . J	SCALE:	NOT TO SCALE
PROJ. DESIGNER:	R. MASONE	DATE:	10/09/2023
CHECKED BY:	C. NAPOLITANO	DRAWING NUMBER:	H-003.00
		DRAWING NUMBER:	3 of 3

Filename: I:\langan.com\data\WP\Allstate\101061221\Drawings\Drawing.dwg Date: 10/9/2023 Time: 14:16 User: jrestrepo Style Table: Langan.ctb Layout: Model

CONSULTANTS PROJECT #: 101061221



1 First Floor Key Plan
1" = 20'-0"

General Notes

A. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS.

B. TAKE FIELD MEASUREMENTS TO FIT THE WORK PROPERLY. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD.

C. REFER INCONSISTENCIES TO ARCHITECT PRIOR TO COMMENCING THE WORK IN AFFECTED AREA.

D. ITEMS ARE SHOWN DIAGRAMMATICALLY ON DRAWINGS. VERIFY SPACE REQUIREMENTS AND DIMENSIONS TO FIT THE WORK PROPERLY.

E. NOTES SHOWN ON ONE DRAWING APPLY TO ALL SIMILAR DRAWINGS.

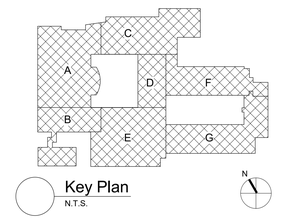
F. DO NOT DISTURB CONSTRUCTION SUSPECTED OF CONTAINING HAZARDOUS MATERIAL. IF ENCOUNTERED, IMMEDIATELY NOTIFY ARCHITECT, CONSTRUCTION MANAGER AND OWNER.

G. AT AREAS OF PROJECT WORK IN CORRIDORS COMPLETELY SEAL ALL PENETRATIONS TO COMPLY WITH FIRE RESISTANCE RATINGS OF 1 HOUR, AND IN STAIRS, ELECTRICAL ROOMS, MECHANICAL ROOMS AND BOILER ROOM WALLS TO COMPLY WITH FIRE RESISTANCE RATINGS OF 2 HOURS, REGARDLESS IF WALL IS NEW OR EXISTING, TYPICAL UNLESS NOTED OTHERWISE.

H. DIMENSIONS ARE FROM FACE OF MASONRY, FROM FACE OF METAL FRAMING OR FROM FACE OF EXISTING CONSTRUCTION. TYP UNO. MASONRY DIMENSIONS ARE NOMINAL.

Key Plan Legend

INDICATES AREA OF WORK



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

complex world | CLEAR SOLUTIONS

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

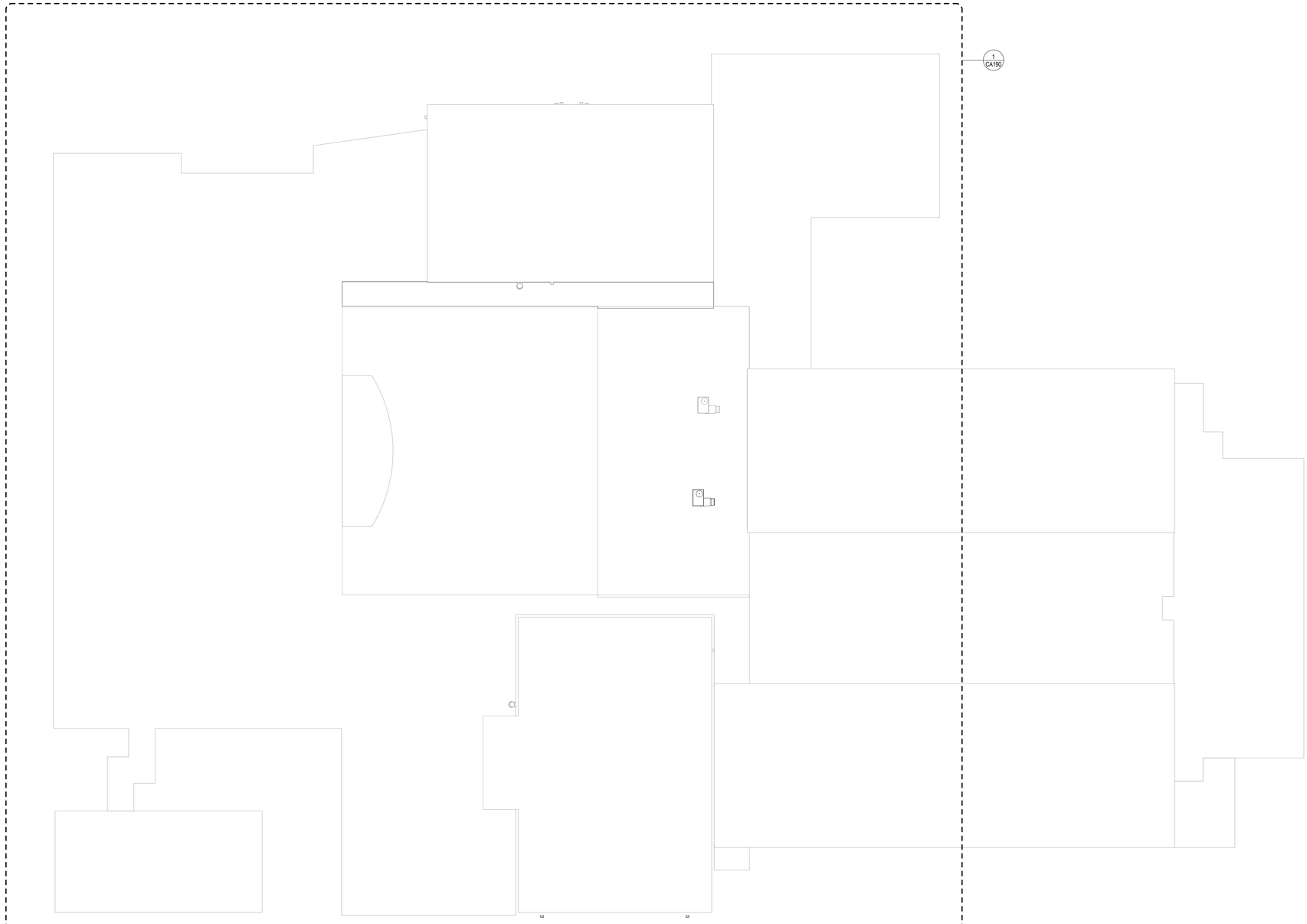
TETRA TECH
ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

First Floor Key Plan

Drawn By:	Date:	Drawing Number:
ZV	10/13/2023	CA050
Project No.: 276721-23001		



1 Roof - Key Plan
3/64" = 1'-0"

General Notes

A. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS.

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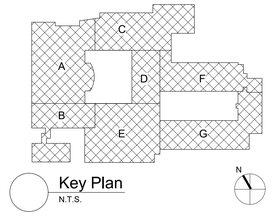


Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

complex world | CLEAR SOLUTIONS

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

Roof Key Plan

Drawn By:	Date:	Drawing Number:
ZV	10/13/2023	CA051
Project No.: 276721-23001		

Demolition Key Notes

WITHIN HATCHED AREA: REMOVE ALL CONSTRUCTION IN ITS ENTIRETY. STRUCTURE TO REMAIN, TYPICAL UNO. REMOVE ALL FINISH MATERIALS OR OTHER ITEMS ATTACHED TO THE FACE OF WALLS SCHEDULED TO REMAIN TYPICAL UNO. REMOVE LOCKER BASES TO ADJACENT SLAB LEVELS AND PREP AREAS TO RECEIVE SCHEDULED FINISHES. PERFORM ABATEMENT PRIOR TO DEMOLITION. COORDINATE ADDITIONAL REQUIRED DEMOLITION WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. REMOVE INTERIOR PARTITION FULL-HEIGHT, PORTION AS INDICATED OR AS REQUIRED TO PERFORM SCHEDULED WORK. REMOVE CEILING SYSTEM AND/OR SOFFIT SYSTEM IN ITS ENTIRETY.

(1B) REMOVE INTERIOR PARTITION FULL-HEIGHT, PORTION AS INDICATED OR AS REQUIRED TO PERFORM SCHEDULED WORK. EXISTING STRUCTURE TO REMAIN.

(3A) REMOVE PORTION OF CONCRETE SLAB INDICATED OR REQUIRED TO PERFORM SCHEDULED WORK. COORDINATE WITH ELECTRICAL OR PLUMBING DRAWINGS AT LOCATIONS WHERE AREAS OF FLOORING WAS REMOVED AND FLOOR FINISH IS SCHEDULED, LEVEL SLAB WITH ADJACENT SLABS. INCLUDE CONCRETE FLOOR PATCHING AND LEVELING MATERIALS TO MAKE SURFACE LEVEL. PREPARE FOR FINISH. PATCH AREAS OF WALLS THAT ARE SCHEDULED TO REMAIN THAT HAVE BEEN DAMAGED BY WALL BASE REMOVAL TO MATCH SCHEDULED OR ADJACENT FINISHES.

(8A) REMOVE DOOR AND FRAME COMPLETELY. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES.

(8B) REMOVE STOREFRONT COMPLETELY

(9A) REMOVE CEILING SYSTEM AND/OR SOFFIT SYSTEM IN ITS ENTIRETY.

(9B) REMOVE WOOD TRIM + PRESSBOARD

(9D.x) REMOVE FLOOR FINISH, MASTIC AND WALL BASE TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. AT ALL AREAS OF FLOOR REMOVAL, LEVEL SLAB WITH ADJACENT SLABS AT LOCATIONS SCHEDULED TO RECEIVE FLOOR FINISH. INCLUDE CONCRETE FLOOR PATCHING AND LEVELING MATERIALS TO MAKE SURFACE LEVEL. PREPARE FOR FINISH. PATCH AREAS OF WALLS TO REMAIN THAT WERE DAMAGED BY REMOVAL OF WALL BASE.

SUFFIX KEY (FLOOR FINISH IDENTIFICATIONS):
A. CARPET.

General Demolition Notes

A. – – – – – – REMOVE ITEMS INDICATED BY DASHED LINE.

B. KEYED DEMOLITION TAGS REFER TO SPECIFIC LOCATIONS AS FOLLOWS:

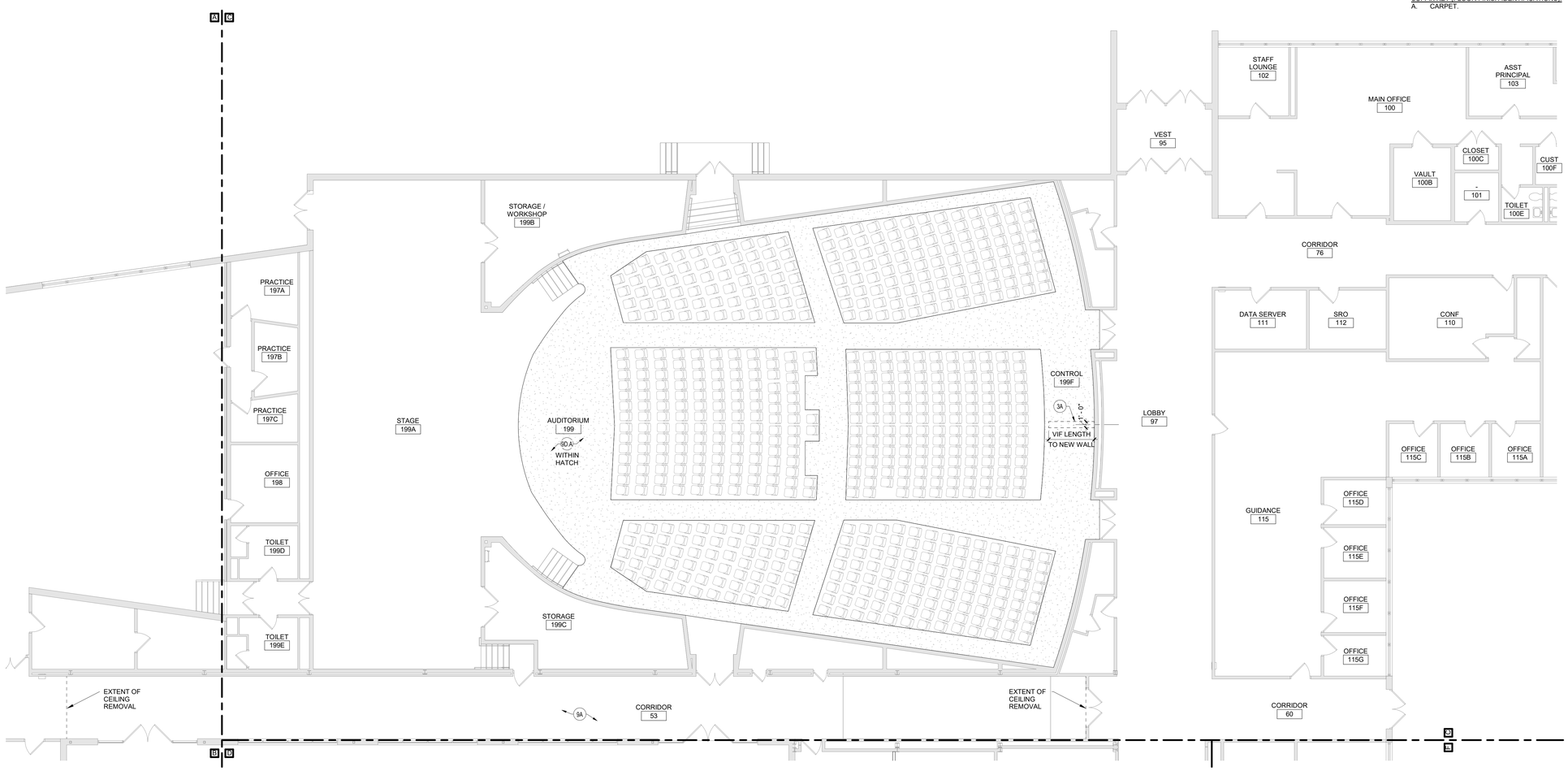
1. DEMOLITION TAGS LOCATED WITHIN THE MIDDLE OF A SPACE REFER TO DEMOLITION OF ALL ITEMS OF THAT SAME TYPE WITHIN THAT ENTIRE SPACE.
2. DEMOLITION TAGS PLACED IMMEDIATELY ON OR ADJACENT TO A DASHED LINE INDICATING ITEM REMOVAL OR THAT HAVE A LEADER POINTING TO SPECIFIC ITEM(S) REFER TO DEMOLITION OF THAT SPECIFIC ITEM ONLY OF THAT TYPE WITHIN THAT SPACE.
3. DEMOLITION TAGS IN SERIES REFER TO DEMOLITION OF ALL THOSE ITEMS EITHER WITHIN THAT ENTIRE SPACE OR TO THE SPACE IDENTIFIED BY THAT LEADER.

C. WHEN AN ITEM IS INDICATED TO BE DEMOLISHED REMOVE ALL ASSOCIATED COMPONENTS AS PART OF THAT WORK.

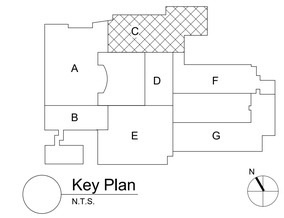
D. ALL ARTWORK NOT PERMANENTLY AFFIXED TO EXISTING CONSTRUCTION SHALL BE REMOVED AND STORED BY OWNER PRIOR TO BEGINNING DEMOLITION WORK. CONTACT OWNER'S AGENT(S) IF ANY ARTWORK IS ENCOUNTERED PRIOR TO START OF DEMOLITION WORK.

E. PATCH EXISTING EXPOSED SURFACES AFTER DEMO.

F. REFER TO ABATEMENT DRAWINGS FOR HAZARDOUS MATERIAL LOCATIONS AND DEMOLITION TO BE PERFORMED AS ABATEMENT. COORDINATE ALL WORK IDENTIFIED ON ALL TRADES' DEMOLITION DRAWINGS WITH ABATEMENT DRAWINGS PRIOR TO BEGINNING ANY DEMOLITION WORK. ALL HAZARDOUS MATERIAL WORK INDICATED ON DRAWINGS SHALL BE REMOVED AND LEGALLY DISPOSED OF.



1 Partial First Floor Demolition Plan - Area C
1/8" = 1'-0"



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

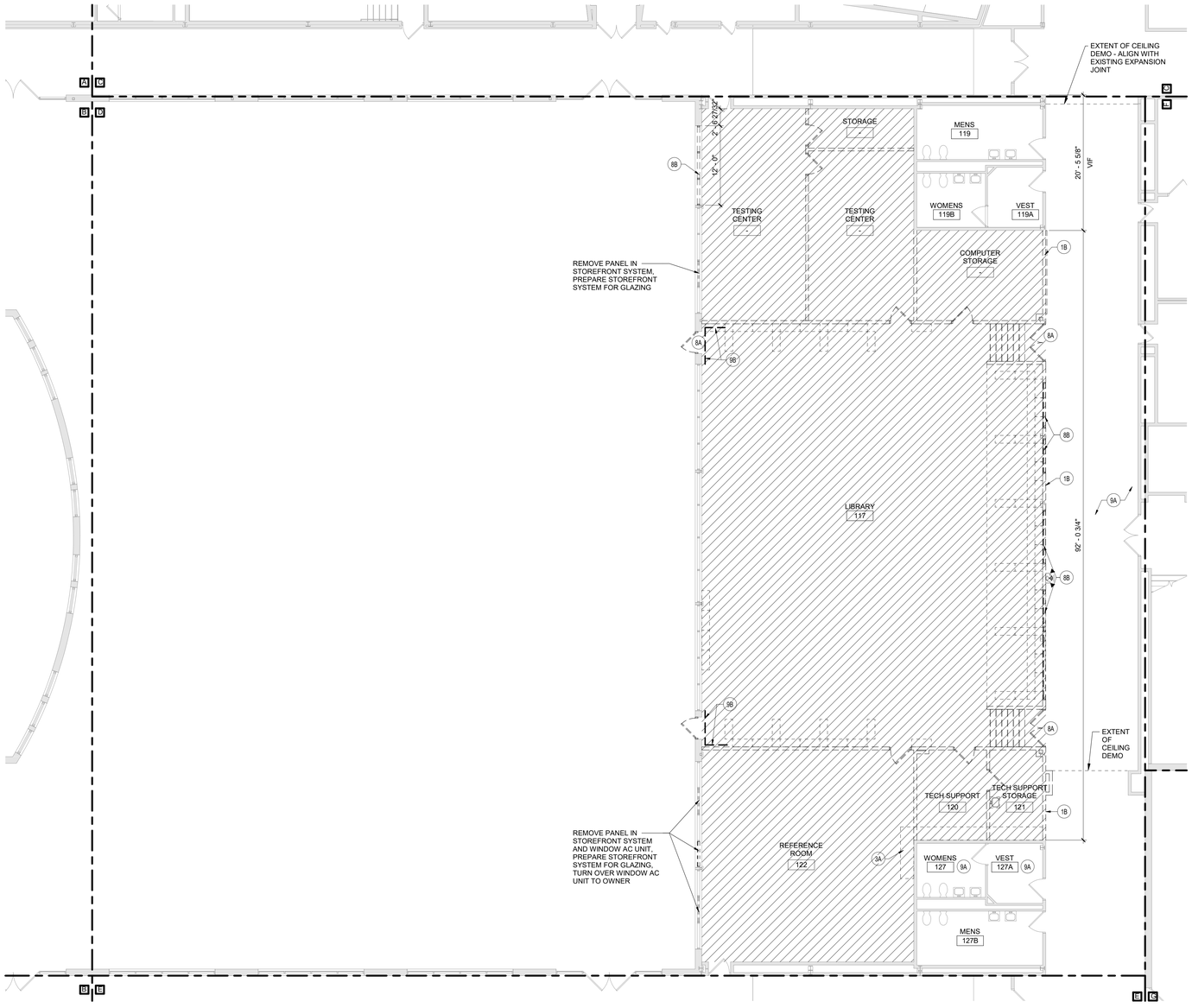
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

Partial First Floor Demolition Plan - Area C

Drawn By:	Date:	Drawing Number:
TS	10/13/2023	CA100

Project No.: 276721-23001



1 Partial First Floor Demolition Plan - Area D
1/8" = 1'-0"

Demolition Key Notes

WITHIN HATCHED AREA: REMOVE ALL CONSTRUCTION IN ITS ENTIRETY. STRUCTURE TO REMAIN, TYPICAL UNO. REMOVE ALL FINISH MATERIALS OR OTHER ITEMS ATTACHED TO THE FACE OF WALLS SCHEDULED TO REMAIN TYPICAL UNO. REMOVE LOCKER BASES TO ADJACENT SLAB LEVELS AND PREP AREAS TO RECEIVE SCHEDULED FINISHES. PERFORM ABATEMENT PRIOR TO DEMOLITION. COORDINATE ADDITIONAL REQUIRED DEMOLITION WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. REMOVE INTERIOR PARTITION FULL-HEIGHT, PORTION AS INDICATED OR AS REQUIRED TO PERFORM SCHEDULED WORK. REMOVE CEILING SYSTEM AND/OR SOFFIT SYSTEM IN ITS ENTIRETY.

1B REMOVE INTERIOR PARTITION FULL-HEIGHT, PORTION AS INDICATED OR AS REQUIRED TO PERFORM SCHEDULED WORK. EXISTING STRUCTURE TO REMAIN.

3A REMOVE PORTION OF CONCRETE SLAB INDICATED OR REQUIRED TO PERFORM SCHEDULED WORK. COORDINATE WITH ELECTRICAL OR PLUMBING DRAWINGS AT LOCATIONS WHERE AREAS OF FLOORING WAS REMOVED AND FLOOR FINISH IS SCHEDULED, LEVEL SLAB WITH ADJACENT SLABS. INCLUDE CONCRETE FLOOR PATCHING AND LEVELING MATERIALS TO MAKE SURFACE LEVEL. PREPARE FOR FINISH. PATCH AREAS OF WALLS THAT ARE SCHEDULED TO REMAIN THAT HAVE BEEN DAMAGED BY WALL BASE REMOVAL TO MATCH SCHEDULED OR ADJACENT FINISHES.

8A REMOVE DOOR AND FRAME COMPLETELY. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES.

8B REMOVE STOREFRONT COMPLETELY

9A REMOVE CEILING SYSTEM AND/OR SOFFIT SYSTEM IN ITS ENTIRETY.

9B REMOVE WOOD TRIM + PRESSBOARD

9D.x REMOVE FLOOR FINISH, MASTIC AND WALL BASE TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. AT ALL AREAS OF FLOOR REMOVAL, LEVEL SLAB WITH ADJACENT SLABS AT LOCATIONS SCHEDULED TO RECEIVE FLOOR FINISH. INCLUDE CONCRETE FLOOR PATCHING AND LEVELING MATERIALS TO MAKE SURFACE LEVEL. PREPARE FOR FINISH. PATCH AREAS OF WALLS TO REMAIN THAT WERE DAMAGED BY REMOVAL OF WALL BASE.

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General Demolition Notes

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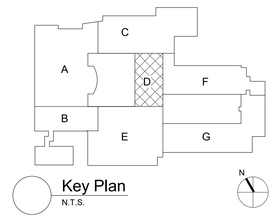

Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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BID SET

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

TETRA TECH
ARCHITECTS & ENGINEERS

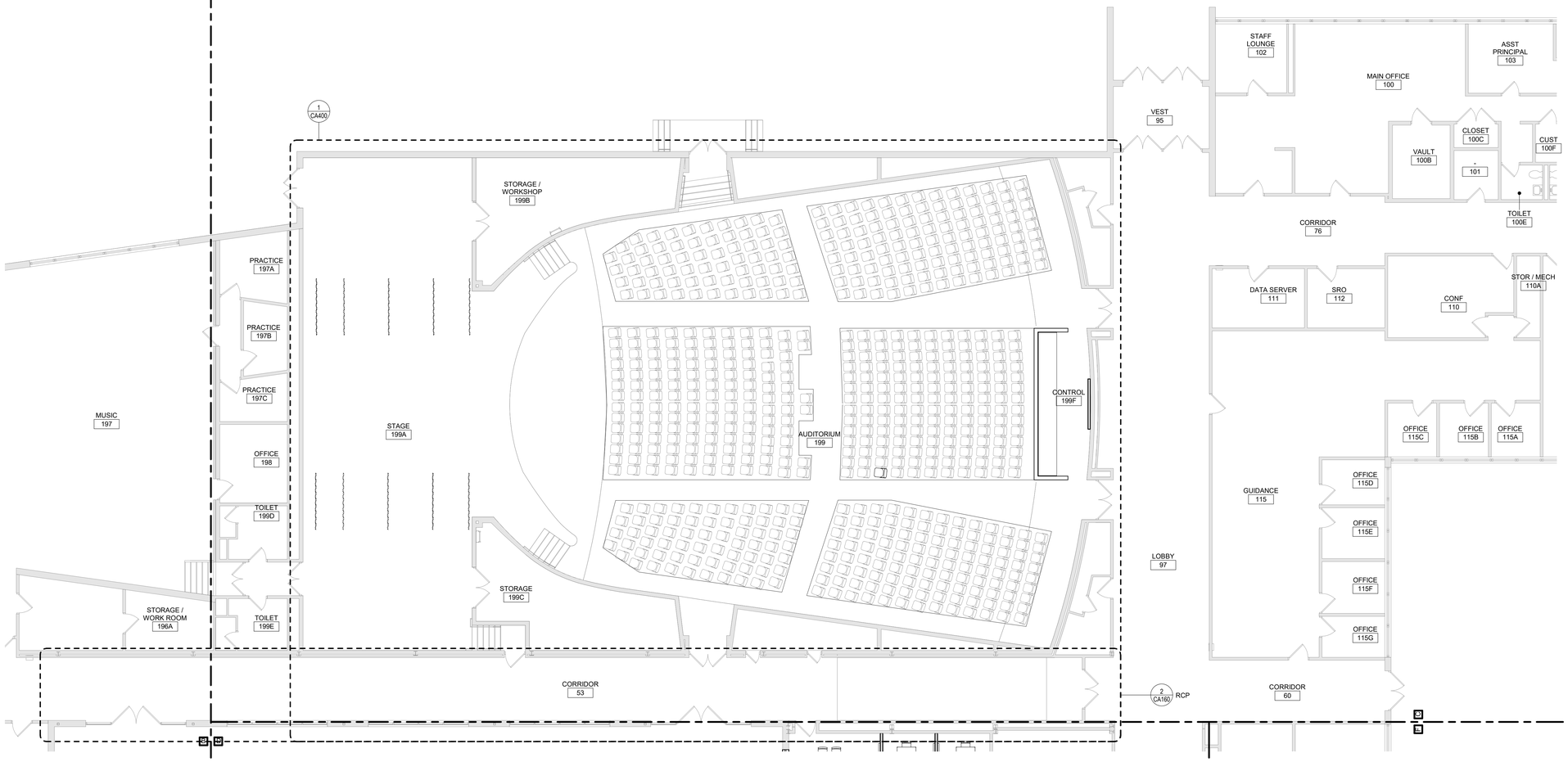
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

Partial First Floor Demolition Plan - Area D

Drawn By:	Date:	Drawing Number:
ZV	10/13/2023	CA101

Project No.: 276721-23001



1 Partial First Floor Plan - Area A and C
1/8" = 1'-0"

General Notes

A. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS.

B. TAKE FIELD MEASUREMENTS TO FIT THE WORK PROPERLY. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD.

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H. DIMENSIONS ARE FROM FACE OF MASONRY, FROM FACE OF METAL FRAMING OR FROM FACE OF EXISTING CONSTRUCTION. TYP UNO. MASONRY DIMENSIONS ARE NOMINAL.

General Plan Notes

A. WHERE EXISTING CONSTRUCTION IS DAMAGED OR DISTURBED, PATCH AS REQUIRED TO RESTORE SURFACES TO THEIR ORIGINAL CONDITION.

B. PARTITION TYPE TAGS APPLY TO ENTIRE LENGTH OF WALL INDICATED BY THAT TAG, REGARDLESS OF OPENINGS WITHIN THAT WALL, TYPICAL UNLESS NOTED OTHERWISE.

1. ALL EXTERIOR WALLS SHALL BE WALL/PARTITION TYPE EW1, TYPICAL UNLESS NOTED OTHERWISE.

2. ALL INTERIOR WALLS SHALL BE WALL/PARTITION TYPE P12.4, TYPICAL UNLESS NOTED OTHERWISE.

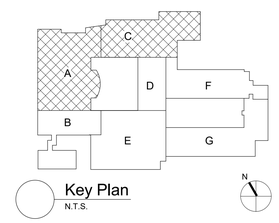
C. INFILL AREAS OF RECESSED FLOOR MAT AND/OR FINISH REMOVALS WITH REPAIR MATERIAL. PROVIDE SUBSTRATE LEVEL AS REQUIRED SO SCHEDULED FINISHED FLOOR WILL MATCH THAT OF EXISTING ADJACENT AREAS.

D. PROVIDE BRACING WITHIN CHASES AS FOLLOWS:

1. MASONRY WALLS: FULL-HEIGHT 4" CMU BRACES AT MAXIMUM SPACING OF 11'-0" OC.

2. GYPSUM BOARD/TILE BACKING PANELS ON METAL FRAMING: FULL-HEIGHT 6" METAL STUD BRACES AT MAXIMUM SPACING OF 11'-0" OC.

E. PROVIDE BLOCKING AT NEW AND EXISTING GYPSUM BOARD WALLS PER MANUFACTURER RECOMMENDATIONS FOR SUPPORT OF WALL /TALL MOUNTED CASEWORK UNITS. REFER TO SPECIFICATION SECTION 06 10 00 FOR WOOD BLOCKING RESPONSIBILITIES. STEEL STRAPPING ON FACE OF PARTITION IS NOT ACCEPTABLE.



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

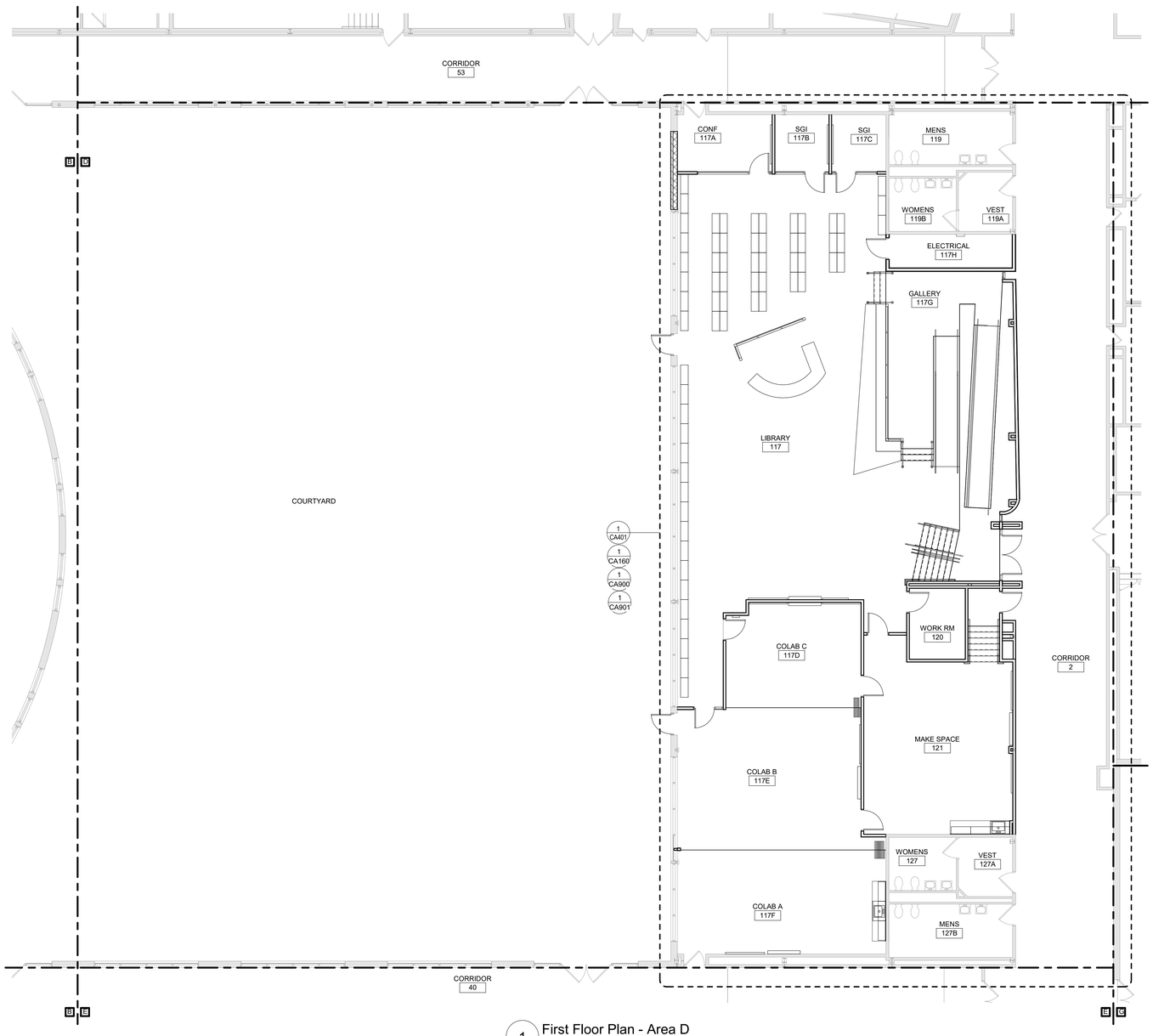
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

Partial First Floor Plan - Area A and C

Drawn By:	Date:	Drawing Number:
ZGV	10/13/2023	CA130

Project No.:
276721-23001



1 First Floor Plan - Area D
1/8" = 1'-0"

General Notes

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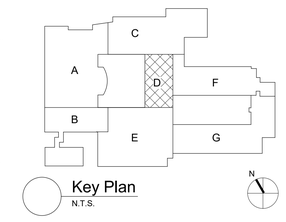

Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

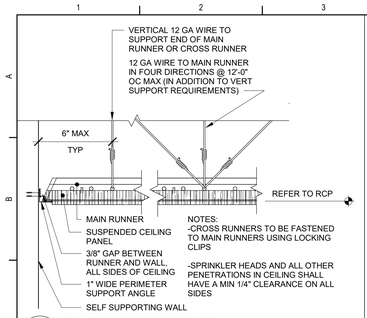
TETRA TECH
ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

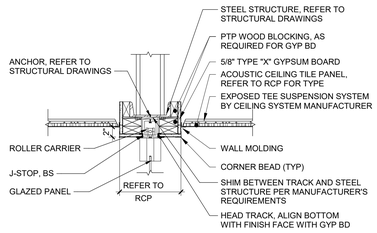
Reconstruction to:
Lakeland High School

First Floor Plan - Area D

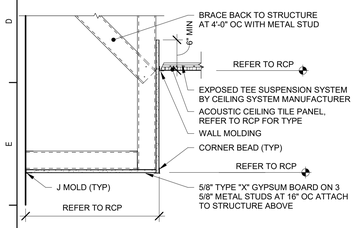
Drawn By:	Date:	Drawing Number:
ZGV	10/13/2023	CA131
Project No.: 276721-23001		



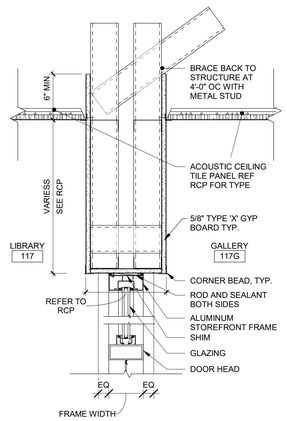
6 Typical Ceiling Detail
3" = 1'-0"



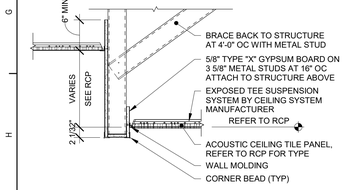
4 Soffit Detail
1" = 1'-0"



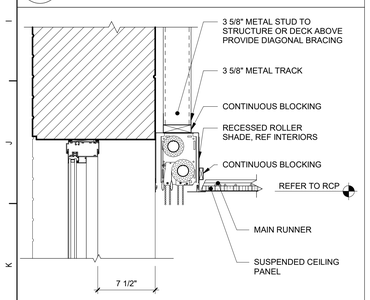
7 Soffit Detail
1" = 1'-0"



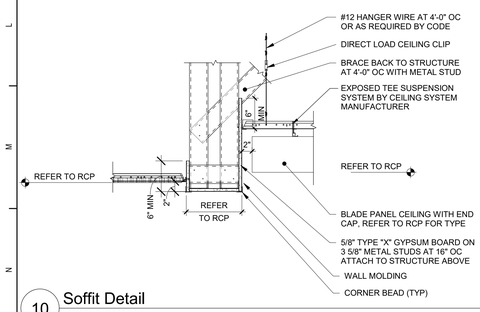
5 Storefront Soffit Detail
1 1/2" = 1'-0"



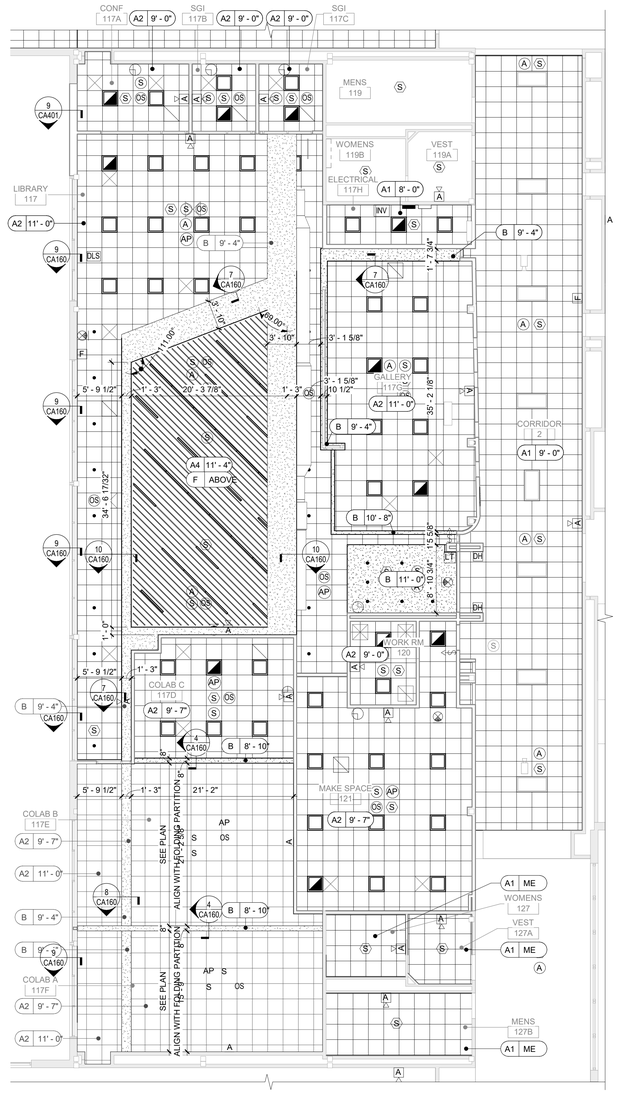
8 Soffit Detail
1" = 1'-0"



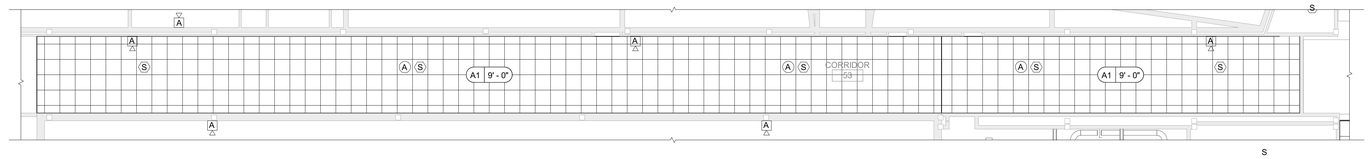
9 Soffit at Window
1 1/2" = 1'-0"



10 Soffit Detail
1" = 1'-0"



1 Partial First Floor Reflected Ceiling Plan - Area D
1/8" = 1'-0"



2 Partial First Floor Reflected Ceiling Plan - Area A and C
1/8" = 1'-0"

General Ceiling Notes

A. LIGHTING AND OTHER CEILING-MOUNTED FIXTURES ARE SHOWN FOR DRAWING CLARITY. COORDINATE ALL CEILING WORK PRIOR TO INSTALLATION OF CEILING GRID.

B. CEILING HEIGHT IS 9'-0" ABOVE FINISHED FLOOR (UNO).

C. CENTER CEILING-MOUNTED ITEMS (LIGHTS, GRILLES, DETECTORS, SPRINKLER HEAD, ETC) WITHIN THE CEILING PANELS AND GRIDS UNLESS THE PANELS ARE SCORED. CENTER TEMS WITHIN THE PATTERN OF SCORED PANELS.

D. PROVIDE EXPANSION JOINT (EJ) COVERS IN CEILINGS AND SOFFITS AT EJ LOCATIONS.

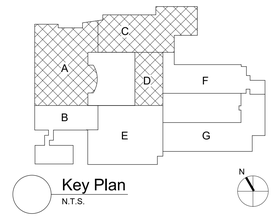
E. PROVIDE CONTROL JOINTS IN GYPSUM BOARD CEILINGS AND SOFFITS AS DETAILED ON DRAWINGS (MAXIMUM 20'-0" OC, EVENLY SPACED, TYP UNO).

F. PATCH CEILING SYSTEMS TO REMAIN THAT HAVE BEEN DISTURBED BY SCHEDULED WORK TO MATCH ADJACENT CONSTRUCTION PRIOR TO PAINTING.

G. X 9'-0" DESIGNATES BOTTOM OF CEILING FROM "LIBRARY" FLOOR. DESIGNATION "ME" INDICATES MATCH EXISTING CEILING HEIGHT.

Ceiling Types

A1	X'-X"	ACOUSTIC PANEL CEILING
A2	X'-X"	ACOUSTIC PANEL CEILING
A4	X'-X"	BLADE PANEL CEILING WITH BLACK SUSPENSION SYSTEM
B	X'-X"	PAINTED 5/8" GYPSUM CEILING ON SUPPORT MATERIALS (GRID SUSPENSION SYSTEM, TYP UNO)
F	X'-X"	PAINTED EXPOSED STRUCTURAL SYSTEM, SUPPORT MATERIALS AND FASTENERS, MECHANICAL SYSTEM, ELECTRICAL ITEMS AND PIPING



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

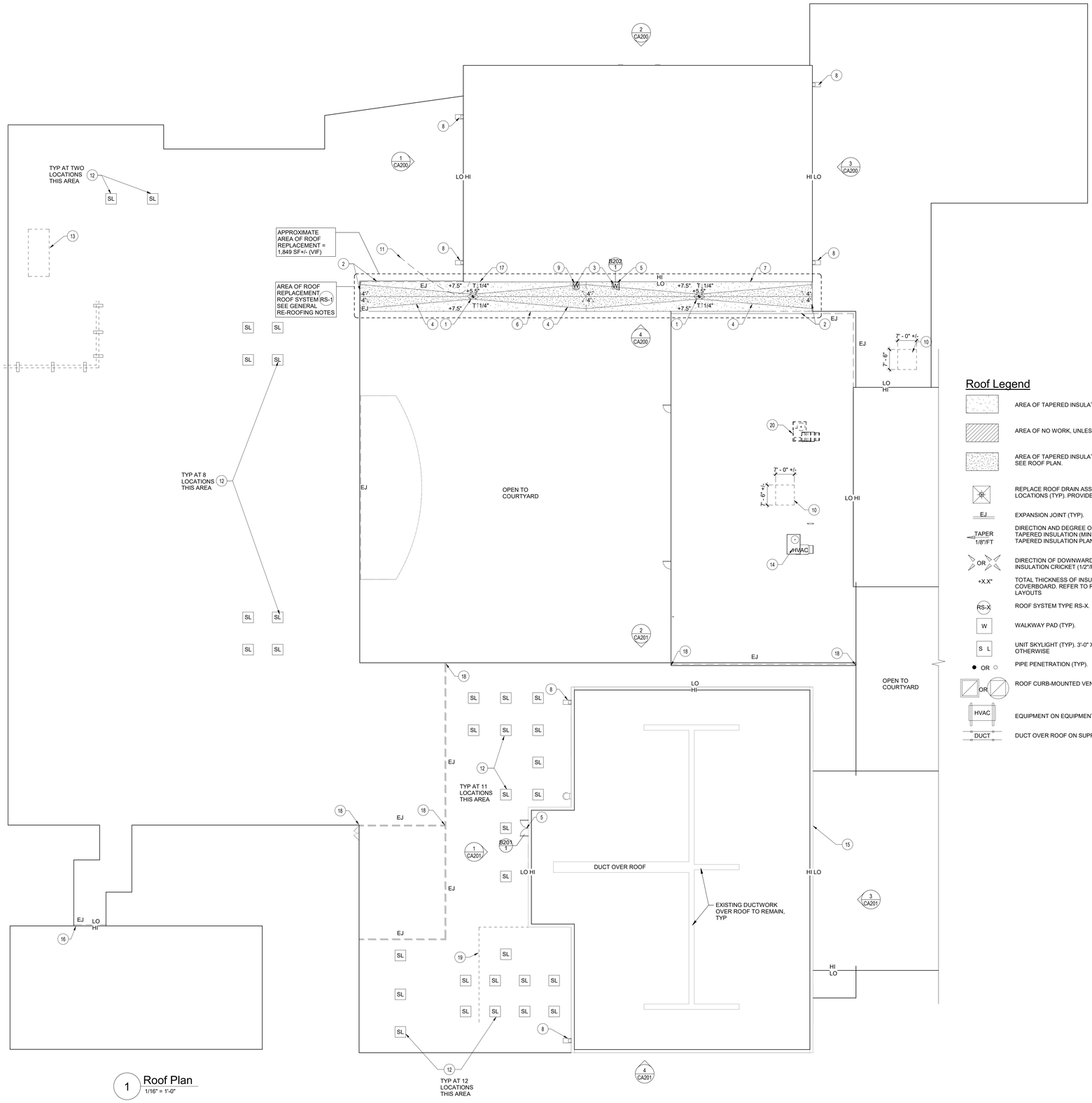
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

Partial First Floor Reflected Ceiling Plan - Area A, C, D and Details

Drawn By:	Date:	Drawing Number:
ZV	10/13/2023	CA160

Project No.: 276721-23001



1 Roof Plan
1/16" = 1'-0"

Roof Legend

- AREA OF TAPERED INSULATION (TYP). SEE ROOF PLAN.
- AREA OF NO WORK, UNLESS NOTED OTHERWISE
- AREA OF TAPERED INSULATION CRICKET (TYP). SEE ROOF PLAN.
- REPLACE ROOF DRAIN ASSEMBLY AT EXISTING LOCATIONS (TYP). PROVIDE TAPERED SUMP
- EJ — EXPANSION JOINT (TYP).
- TAPER 1/8"/FT — DIRECTION AND DEGREE OF DOWNWARD SLOPE OF TAPERED INSULATION (MINIMUM 1/8"/FT, TYP UNO). SEE TAPERED INSULATION PLAN.
- OR — DIRECTION OF DOWNWARD SLOPE OF TAPERED INSULATION CRICKET (1/2"/FT, TYP UNO).
- +X.X" — TOTAL THICKNESS OF INSULATION INCLUDING COVERBOARD. REFER TO ROOF PLAN FOR TAPERED LAYOUTS
- RS-X — ROOF SYSTEM TYPE RS-X.
- W — WALKWAY PAD (TYP).
- S L — UNIT SKYLIGHT (TYP). 3'-0" X 3'-0" UNLESS NOTED OTHERWISE
- OR — PIPE PENETRATION (TYP).
- OR — ROOF CURB-MOUNTED VENTILATOR (TYP).
- HVAC — EQUIPMENT ON EQUIPMENT SUPPORTS (TYP).
- DUCT — DUCT OVER ROOF ON SUPPORTS

General Re-Roofing Notes

A. DRAWINGS ARE REPRESENTATIVE, AND MAY NOT EXACTLY INDICATE ALL FIELD CONDITIONS.

B. VERIFY IN FIELD LOCATIONS OF ALL EXISTING ROOF DRAINS AND PENETRATIONS PRIOR TO FIRST SUBMITTAL OF SHOP DRAWINGS.

C. INSPECT ROOF DECK PRIOR TO ROOFING INSTALLATION. VERIFY THAT EXISTING MATERIALS ARE SOLID AND SECURE. NOTIFY ARCHITECT IMMEDIATELY IF DETERIORATED OR LOOSE MATERIALS ARE DISCOVERED.

D. PROVIDE COMPLETE ROOFING INSTALLATION. REPAIR ALL ITEMS NOT SCHEDULED FOR WORK THAT ARE DAMAGED DURING ROOFING WORK.

E. MAINTAIN WATERTIGHT CONDITIONS AT ALL TIMES.

F. PROVIDE ROOFING SYSTEMS AND ALL RELATED COMPONENTS INDICATED BY THE CONTRACT DOCUMENTS.

G. WORK INCLUDES BUT IS NOT LIMITED TO REMOVAL OF ROOFING MATERIALS, INCLUDING MEMBRANE, INSULATION, BLOCKING, CANTS, FLASHING, FASCIA, UNDER- AND OVERLAYMENT BOARDS, VAPOR BARRIERS AND RELATED ITEMS DOWN TO ROOF DECK (UNO). THOROUGHLY CLEAN ROOF DECK OF ALL DEBRIS, PREPARE AND PRIME TO ACCEPT ROOFING MATERIALS INDICATED.

H. ONCE EXPOSED TO VIEW, FIELD VERIFY CONDITION OF EXISTING BLOCKING WITH ARCHITECT AND OWNER. IF DEEMED TO BE IN SERVICEABLE CONDITION, BLOCKING MAY BE PERMITTED TO REMAIN CONTINGENT UPON RECEIPT OF ACCEPTABLE CREDIT.

I. REMOVE AND LEGALLY DISPOSE OF ALL MATERIALS INDICATED FOR DEMOLITION.

J. WOOD BLOCKING SHALL BE PRESERVATIVE-TREATED (PTP).

K. AT ROOF DRAIN LOCATIONS, REFER TO SPECIFIC NOTES ON ROOF PLANS AND REFERENCED DETAILS FOR WORK REQUIRED. BEFORE BEGINNING CONSTRUCTION, VERIFY ALL ROOF DRAINS ARE CLEAR AND IN WORKING ORDER. REPORT ANY OBSTRUCTIONS TO ARCHITECT AND OWNER PRIOR TO BEGINNING ROOF REMOVAL.

L. DO NOT DISTURB OR OVERBURDEN EXISTING ROOF AREAS THAT ARE NOT SCHEDULED FOR WORK. THIS INCLUDES HIGH FOOT TRAFFIC, POINTS OF ACCESS AND WORK PREPARATION AREAS. ALL WORK REQUIRED SHALL COMPLY WITH EXISTING ROOF SYSTEM MANUFACTURER'S WARRANTY REQUIREMENTS.

M. MAINTAIN CONSTANT ROOF EDGE DATUM AND FASCIA HEIGHTS. BY ADJUSTING LAYERS AND THICKNESS OF CONTINUOUS WOOD BLOCKING (VIF).

N. ALL MATERIALS COMPLY WITH CHAPTER 15 OF THE 2020 BCNYS.

O. REFER TO STRUCTURAL DRAWINGS FOR STRUCTURAL LOAD NOTES, AND FOR STRUCTURAL LOAD NOTES.

Roof Key Notes

1. REPLACE ROOF DRAIN AT EXISTING LOCATION (VERIFY SIZE IN FIELD). SEE DETAIL 8/CA191.
2. REPLACE EXPANSION JOINT AT EXISTING LOCATION. HEIGHT AS REQUIRED TO ACCOMMODATE ROOF THICKNESS. SEE DETAIL 5/CA191.
3. ADHERED WALKWAY PAD, CENTER ON DOOR AND LADDER, SEE DETAIL 4 / CA191
4. TAPERED INSULATION CRICKET (TYP). SLOPE 1/2"/FT, TYP ALL SIDES. VERIFY LENGTH IN FIELD. WIDTH AS INDICATED ON PLAN.
5. DOOR AND FRAME ON RAISED CURB, SEE DOOR SCHEDULE AND DETAIL 8 / CA600
6. ROOF EDGE FASCIA, SEE DETAIL 2 / CA191
7. BASE FLASHING, SEE DETAIL 7 / CA191
8. SPLASH BLOCK CENTERED BELOW STORM DRAIN OUTLET, COORDINATE WITH OTHER PRIME CONTRACTORS, SEE DETAIL 10 / CA191
9. EXISTING WALL LADDER TO REMAIN.
10. PROVIDE INSULATED CAP AT EXISTING CURB AFTER EQUIPMENT REMOVAL, APPROX. DIMENSIONS SHOWN ON PLAN, VIF. COORDINATE WITH OTHER PRIME CONTRACTORS, SEE DETAIL 11 / CA191
11. REMOVE EXISTING PVC PIPE LOOSE ON ROOF.
12. REMOVE EXISTING SKYLIGHT DOME AND PROVIDE INSULATED SKYLIGHT DOME ON EXISTING CURB, APPROXIMATE DIMENSIONS 42" X 42"+/- VIF, SEE DETAIL 1 / CA191
13. REMOVE EXISTING ABANDONED EQUIPMENT LOOSE ON ROOF.
14. PROVIDE OPENING AT EXISTING ROOF SYSTEM AND ROOF DECK AND STRUCTURAL STEEL OPENING FRAME. FLASH CURB INTO EXISTING ROOF SYSTEM USING COMPATIBLE METHODS AND MATERIALS. COORDINATE WITH OTHER PRIME CONTRACTORS, SEE STRUCTURAL DRAWINGS AND DETAIL 9/CA191.
15. REMOVE EXISTING ABANDONED WALL-MOUNTED SATELLITE DISH AND ANTENNA PATCH TO MATCH EXISTING.
16. REPLACE EXISTING ROOF EXPANSION JOINT, FLASH INTO EXISTING ROOF SYSTEM USING COMPATIBLE METHODS AND MATERIALS, SEE DETAIL 5 / CA191
17. PATCH TO MATCH EXISTING BRICK AND MASONRY SUBSTRATE AT PIPE REMOVAL COORDINATE WITH OTHER PRIME CONTRACTORS.
18. PATCH EXISTING ROOF SYSTEM AT EXPANSION JOINT END CONDITION USING METHODS AND MATERIALS COMPATIBLE WITH EXISTING ROOF SYSTEM.
19. REMOVE EXISTING ABANDONED CONDUIT AND SUPPORTS LOOSE OVER ROOF.
20. REMOVE EXISTING MECHANICAL EQUIPMENT AND CURB. PATCH TO MATCH EXISTING ROOFING SYSTEM MATERIALS AND THICKNESSES. INFILL DECK OPENING. FLASH INTO EXISTING ROOF SYSTEM USING COMPATIBLE METHODS AND MATERIALS. COORDINATE WITH OTHER PRIME CONTRACTORS. SEE STRUCTURAL DRAWINGS.

General Notes

A. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS.

B. TAKE FIELD MEASUREMENTS TO FIT THE WORK PROPERLY. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD.

C. REFER INCONSISTENCIES TO ARCHITECT PRIOR TO COMMENCING THE WORK IN AFFECTED AREA.

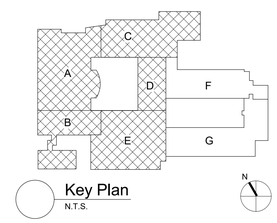
D. ITEMS ARE SHOWN DIAGRAMMATICALLY ON DRAWINGS. VERIFY SPACE REQUIREMENTS AND DIMENSIONS TO FIT THE WORK PROPERLY.

E. NOTES SHOWN ON ONE DRAWING APPLY TO ALL SIMILAR DRAWINGS.

F. DO NOT DISTURB CONSTRUCTION SUSPECTED OF CONTAINING HAZARDOUS MATERIAL. IF ENCOUNTERED, IMMEDIATELY NOTIFY ARCHITECT, CONSTRUCTION MANAGER AND OWNER.

G. AT AREAS OF PROJECT WORK IN CORRIDORS COMPLETELY SEAL ALL PENETRATIONS TO COMPLY WITH FIRE RESISTANCE RATINGS OF 1 HOUR, AND IN STAIRS, ELECTRICAL ROOMS, MECHANICAL ROOMS AND BOILER ROOM WALLS TO COMPLY WITH FIRE RESISTANCE RATINGS OF 2 HOURS, REGARDLESS IF WALL IS NEW OR EXISTING, TYPICAL UNLESS NOTED OTHERWISE.

H. DIMENSIONS ARE FROM FACE OF MASONRY, FROM FACE OF METAL FRAMING OR FROM FACE OF EXISTING CONSTRUCTION. TYP UNO. MASONRY DIMENSIONS ARE NOMINAL.



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

TETRA TECH
ARCHITECTS & ENGINEERS

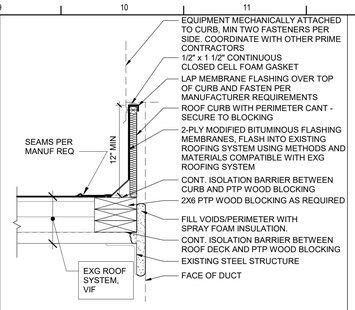
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

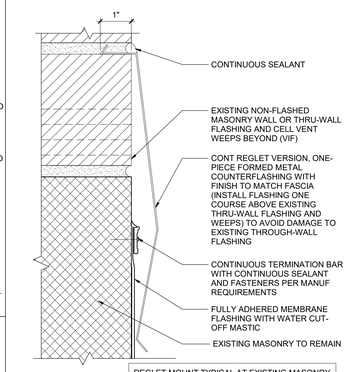
Roof Plan

Drawn By:	Date:	Drawing Number:
TLG/RAV	10/13/2023	CA190

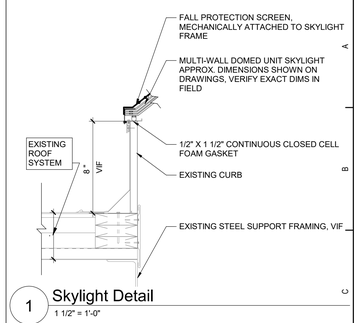
Project No.: 276721-23001



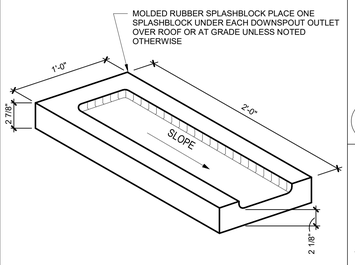
9 Equipment Curb Detail
1 1/2" = 1'-0"



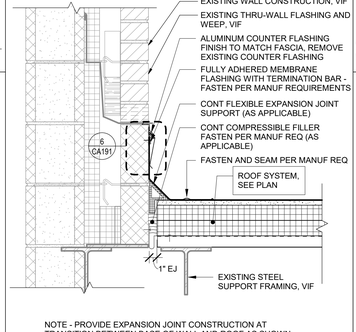
6 Enlarged Flashing Detail
6" = 1'-0"



1 Skylight Detail
1 1/2" = 1'-0"

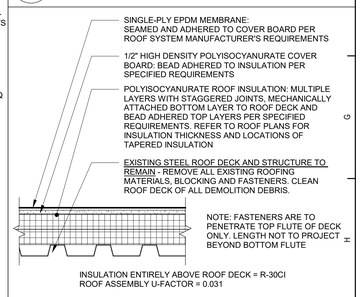


10 Splashblock Detail
1 1/2" = 1'-0"

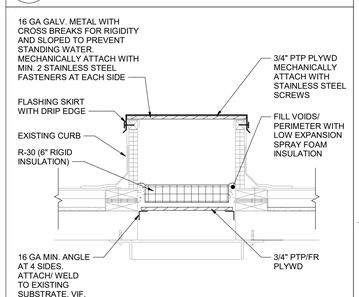


NOTE - PROVIDE EXPANSION JOINT CONSTRUCTION AT TRANSITION BETWEEN BASE OF WALL AND ROOF AS SHOWN IF BUILDING MOVEMENT EXPANSION JOINT EXISTS (VIF)

7 Base Flashing Detail
1 1/2" = 1'-0"



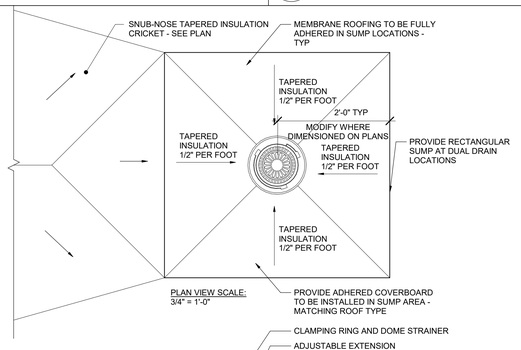
2 Roof Edge Detail MATCH EXISTING FASCIA PROFILES (VIF)
1 1/2" = 1'-0"

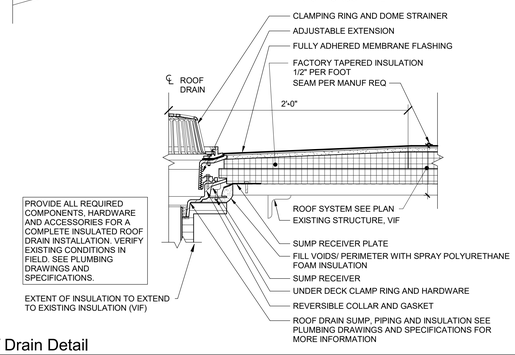


11 Curb Cap Detail
1/2" = 1'-0"

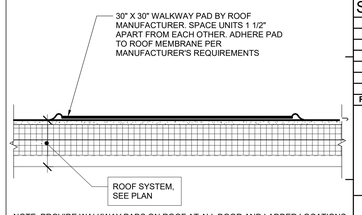
INSULATION ENTIRELY ABOVE ROOF DECK = R-30CI
ROOF ASSEMBLY U-FACTOR = 0.031

3 Roof System RS-1
1 1/2" = 1'-0"



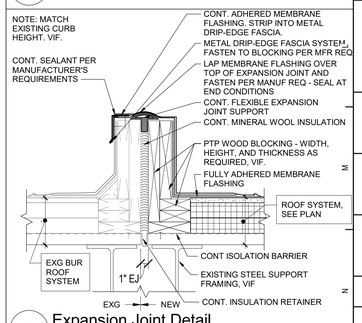


8 Roof Drain Detail
1 1/2" = 1'-0"



NOTE: PROVIDE WALKWAY PADS ON ROOF AT ALL DOOR AND LADDER LOCATIONS

4 Walkway Pad Detail
1 1/2" = 1'-0"



5 Expansion Joint Detail
1 1/2" = 1'-0"

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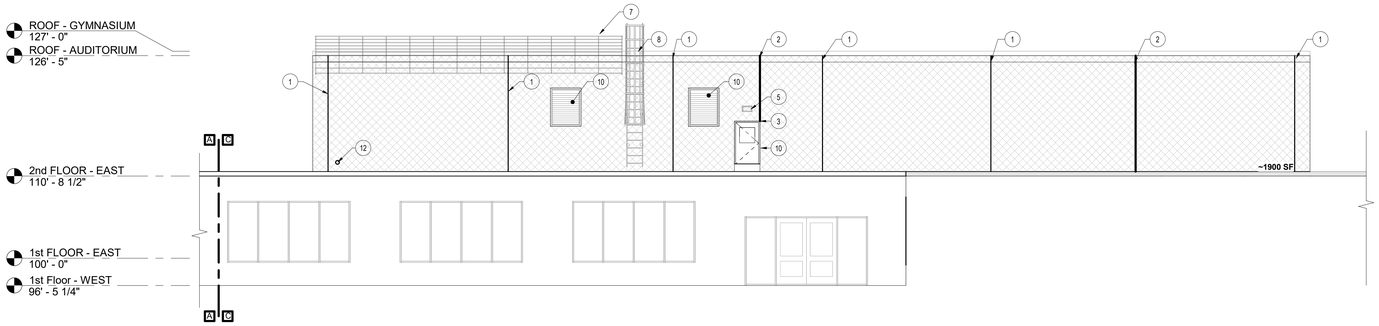
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

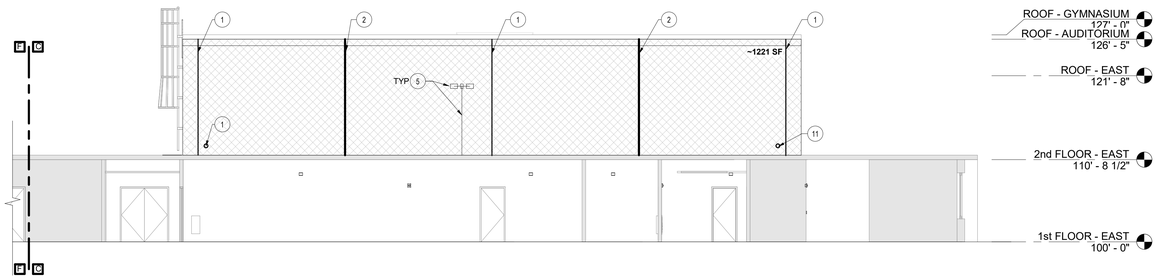
Roof Details

Drawn By:	Date:	Drawing Number:
ZV	10/13/2023	CA191

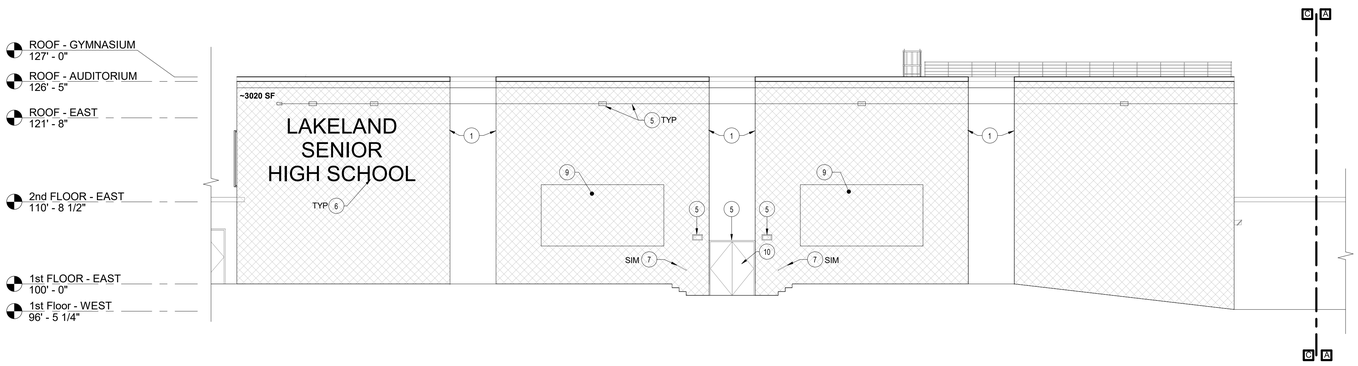
Project No.: 276721-23001



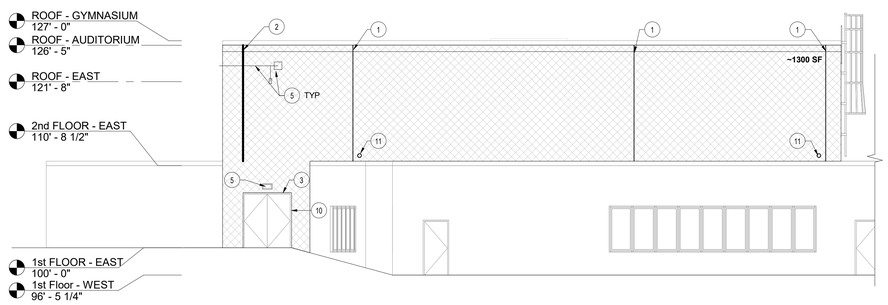
4 South Elevation - Partial Area C
1/8" = 1'-0"



3 East Elevation - Area C
1/8" = 1'-0"



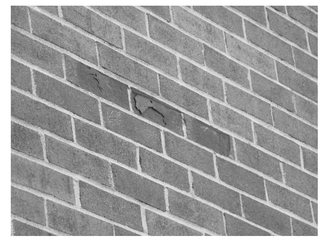
2 North Elevation - Partial Area C
1/8" = 1'-0"



1 West Elevation - Partial Area A
1/8" = 1'-0"

Cracked Brick

Spalled Brick



Spalled Brick

Step Cracked Brick

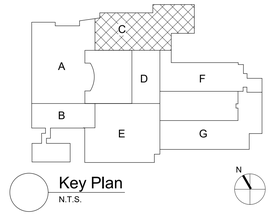
General Elevation Notes

A. NOTES DESCRIBED ON ONE ELEVATION APPLY TO ALL ELEVATIONS, TYPICAL UNLESS OTHERWISE NOTED.

Keyed Elevation Notes

PROVIDE EXTERIOR MASONRY VENEER RECONSTRUCTION AND RESTORATION CONSISTING OF: REMOVE EXISTING JOINT SEALANT, REPLACEMENT OF SPALLED AND CRACKED BRICK, INSTALLATION OF VERTICAL CONTROL JOINTS, MORTAR JOINT REPOINTING AND MASONRY CLEANING AND APPLICATION OF PENETRATING SEALER FULL HEIGHT OF WALL; ALL REPLACEMENT BRICK IS TO BE TOOTHED-IN TO MATCH EXISTING PREPARE, PRIME, AND PAINT EXTERIOR SURFACES OF EXISTING STEEL LINTELS. WORK AREA INCLUDE PRECAST CONCRETE SURFACES AND WALL SETBACK AND RETURNS. BIDDERS ARE ADVISED TO VISIT THE SITE AND REVIEW THE WORK PRIOR TO SUBMITTING BIDS.

1. EXISTING MASONRY EXPANSION JOINT, REMOVE EXISTING SEALANT AND PROVIDE CONTINUOUS BACKER AND SEALANT.
2. PROVIDE MASONRY EXPANSION JOINT WITH CONTINUOUS BACKER AND SEALANT.
3. EXISTING STEEL LINTEL, PREPARE, PRIME AND PAINT WITH HPC.
4. EXISTING SURFACE MOUNTED ABANDONED ANTENNA MOUNT, REMOVE, DISPOSE AND PATCH TO MATCH EXISTING, VERIFY WITH OWNER.
5. EXISTING SURFACE MOUNTED ELECTRICAL FIXTURE AND CONDUIT TO REMAIN. PROTECT AND RE-SECURE AS REQUIRED.
6. EXISTING SURFACE MOUNTED SIGNAGE LETTERING, PROTECT AND RE-SECURE AS REQUIRED.
7. EXISTING SURFACE MOUNTED GUARD RAIL TO REMAIN.
8. EXISTING SURFACE MOUNTED LADDER, REMOVE, PROTECT AND REINSTALL.
9. EXISTING SURFACE MOUNTED BANNER OR SIGN, REMOVE, PROTECT AND REINSTALL.
10. EXISTING WINDOW, DOOR OR GRILLE, REMOVE EXISTING SEALANT AND PROVIDE CONTINUOUS SEALANT AT PERIMETER. SEE DOOR SCHEDULE FOR REPLACEMENT LOCATIONS.
11. DOWNSPOUT OUTLET, COORDINATE WITH OTHER PRIME CONTRACTORS.
12. PATCH HOLE AT REMOVED DOWNSPOUT OUTLET. COORDINATE WITH OTHER PRIME CONTRACTORS.
13. REMOVE EXISTING BRICK MASONRY AND THROUGH-WALL FLASHING ABOVE LINTEL. PREPARE, PRIME AND PAINT ALL SURFACES OF STEEL PRIOR TO PROVIDING THROUGH WALL FLASHING AND BRICK MASONRY TO MATCH EXISTING.



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

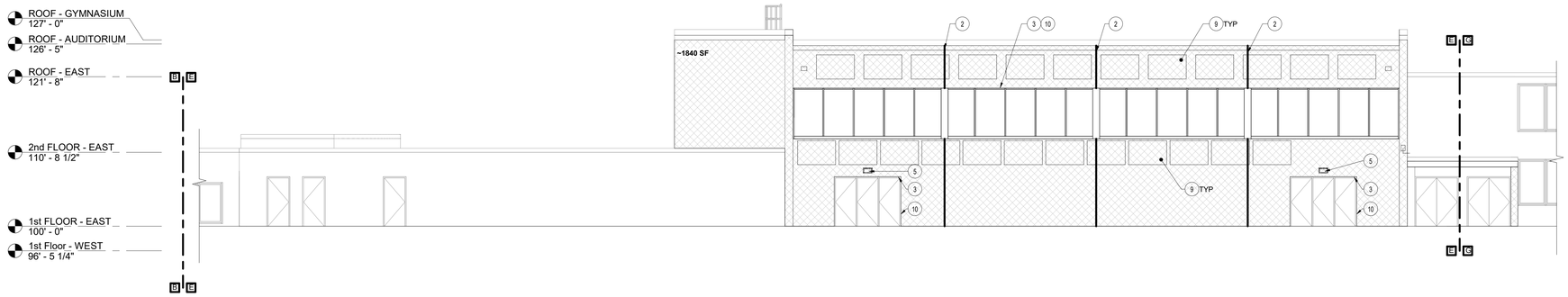
TETRA TECH
ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

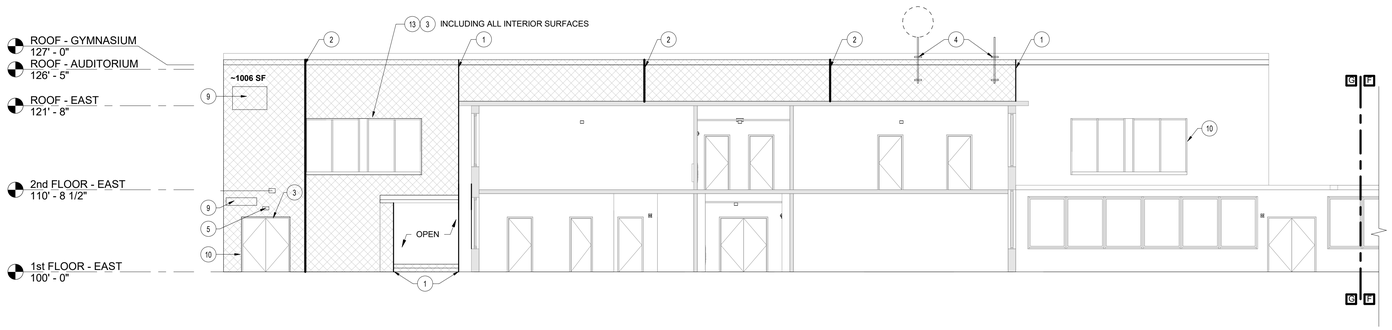
Reconstruction to:
Lakeland High School

Exterior Elevations, Auditorium

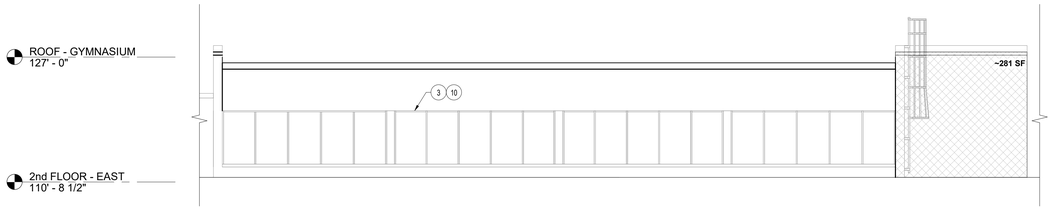
Drawn By:	Date:	Drawing Number:
DH	10/13/2023	CA200
Project No.: 276721-23001		



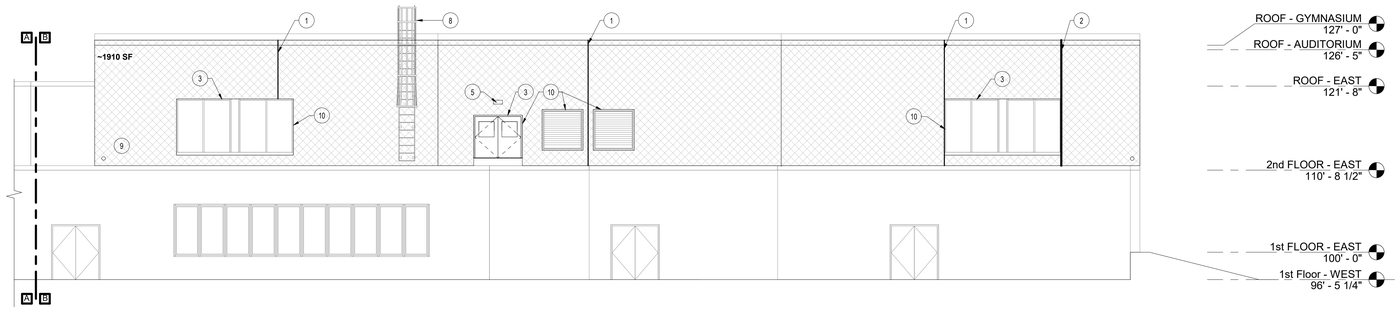
4 South Elevation - Area E
1/8" = 1'-0"



3 East Elevation - Area G
1/8" = 1'-0"



2 North Elevation - Partial Area E
1/8" = 1'-0"



1 West Elevation - Area B
1/8" = 1'-0"

General Elevation Notes

A. NOTES DESCRIBED ON ONE ELEVATION APPLY TO ALL ELEVATIONS, TYPICAL UNLESS OTHERWISE NOTED.

Keyed Elevation Notes

PROVIDE EXTERIOR MASONRY VENEER RECONSTRUCTION AND RESTORATION CONSISTING OF: REMOVE EXISTING JOINT SEALANT, REPLACEMENT OF SPALLED AND CRACKED BRICK, INSTALLATION OF VERTICAL CONTROL JOINTS, MORTAR JOINT REPOINTING AND MASONRY CLEANING AND APPLICATION OF PENETRATING SEALER FULL HEIGHT OF WALL; ALL REPLACEMENT BRICK IS TO BE TOOTHED-IN TO MATCH EXISTING PREPARE, PRIME, AND PAINT EXTERIOR SURFACES OF EXISTING STEEL LINTELS. WORK AREA INCLUDE PRECAST CONCRETE SURFACES AND WALL SETBACK AND RETURNS. BIDDERS ARE ADVISED TO VISIT THE SITE AND REVIEW THE WORK PRIOR TO SUBMITTING BIDS.

1. EXISTING MASONRY EXPANSION JOINT, REMOVE EXISTING SEALANT AND PROVIDE CONTINUOUS BACKER AND SEALANT.
2. PROVIDE MASONRY EXPANSION JOINT WITH CONTINUOUS BACKER AND SEALANT.
3. EXISTING STEEL LINTEL, PREPARE, PRIME AND PAINT WITH HPC.
4. EXISTING SURFACE MOUNTED ABANDONED ANTENNA MOUNT, REMOVE, DISPOSE AND PATCH TO MATCH EXISTING, VERIFY WITH OWNER.
5. EXISTING SURFACE MOUNTED ELECTRICAL FIXTURE AND CONDUIT TO REMAIN. PROTECT AND RE-SECURE AS REQUIRED.
6. EXISTING SURFACE MOUNTED SIGNAGE LETTERING, PROTECT AND RE-SECURE AS REQUIRED.
7. EXISTING SURFACE MOUNTED GUARD RAIL TO REMAIN.
8. EXISTING SURFACE MOUNTED LADDER, REMOVE, PROTECT AND REINSTALL.
9. EXISTING SURFACE MOUNTED BANNER OR SIGN, REMOVE, PROTECT AND REINSTALL.
10. EXISTING WINDOW, DOOR OR GRILLE, REMOVE EXISTING SEALANT AND PROVIDE CONTINUOUS SEALANT AT PERIMETER. SEE DOOR SCHEDULE FOR REPLACEMENT LOCATIONS.
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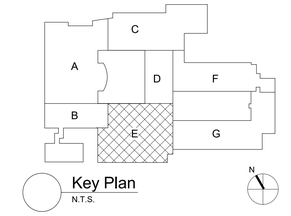
12. PATCH HOLE AT REMOVED DOWNSPOUT OUTLET. COORDINATE WITH OTHER PRIME CONTRACTORS.
13. REMOVE EXISTING BRICK MASONRY AND THROUGH-WALL FLASHING ABOVE LINTEL. PREPARE, PRIME AND PAINT ALL SURFACES OF STEEL PRIOR TO PROVIDING THROUGH WALL FLASHING AND BRICK MASONRY TO MATCH EXISTING.



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

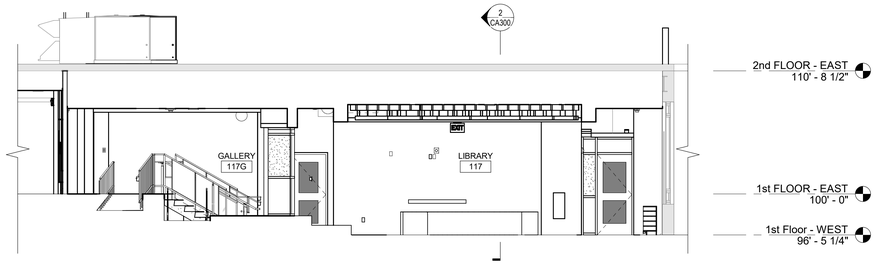
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

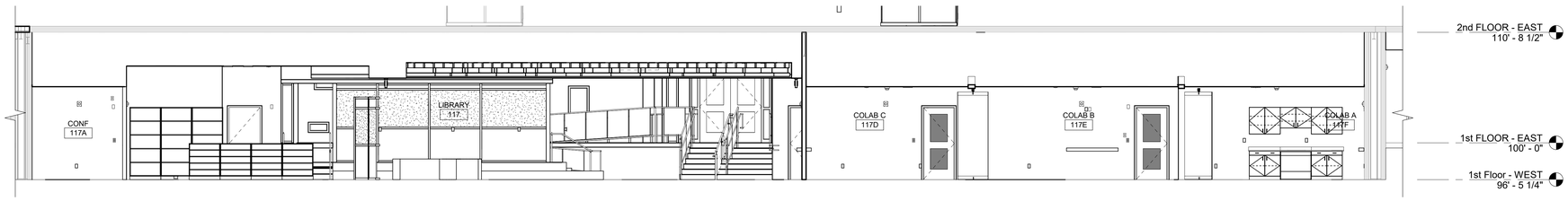
Exterior Elevations, Gymnasium

Drawn By:	Date:	Drawing Number:
DH	10/13/2023	CA201

Project No.: 276721-23001



1 Library Section 1
3/16" = 1'-0"



2 Library Section 2
3/16" = 1'-0"

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

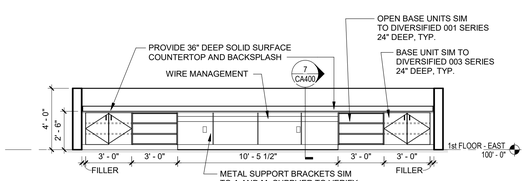
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

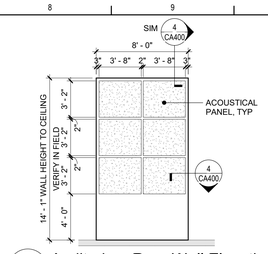
Library Sections

Drawn By:	Date:	Drawing Number:
ZV	10/13/2023	CA300

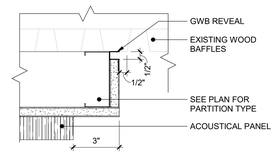
Project No.:
276721-23001



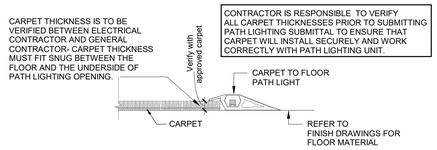
8 Control Booth
1/4" = 1'-0"



6 Auditorium Rear Wall Elevation
3/16" = 1'-0"



4 Wall Edge Detail at Auditorium
3" = 1'-0"



2 TYP Auditorium Lighting Detail
6" = 1'-0"

NON-GLARE SURFACE:

*TYPICAL FOR ENTIRE SIGN
*WHITE BACKGROUND

TACTILE CHARACTERS:

*RAISED 1/32" MINIMUM
*FULL CAPS
*SAN SERIF TYPE STYLE
*CHARACTERS MUST BE RED

LOCATIONS:

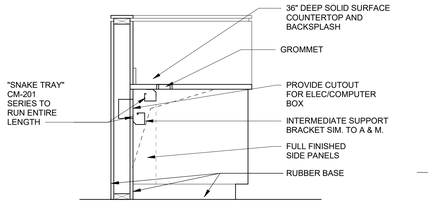
*AUDITORIUM & EACH BALCONY
*GYMNASIUM
*LARGE GROUP INSTRUCTION
*CAFETERIA
*MUSIC ROOMS
*POOL

EQ EQ

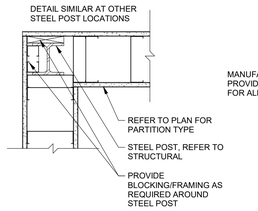
MAXIMUM OCCUPANCY
NOT TO EXCEED
XXX PERSONS

1" 2" 2" 2" 3" 1" 1'-2"
3' - 8"

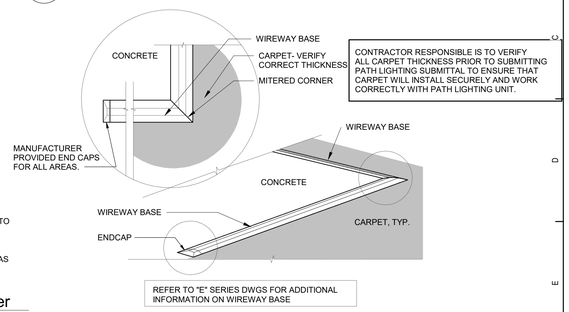
TYPE 1 - Typical Maximum Occupancy Plaque
TYPE 1a - Typical Maximum Occupancy Plaque for Courtyard



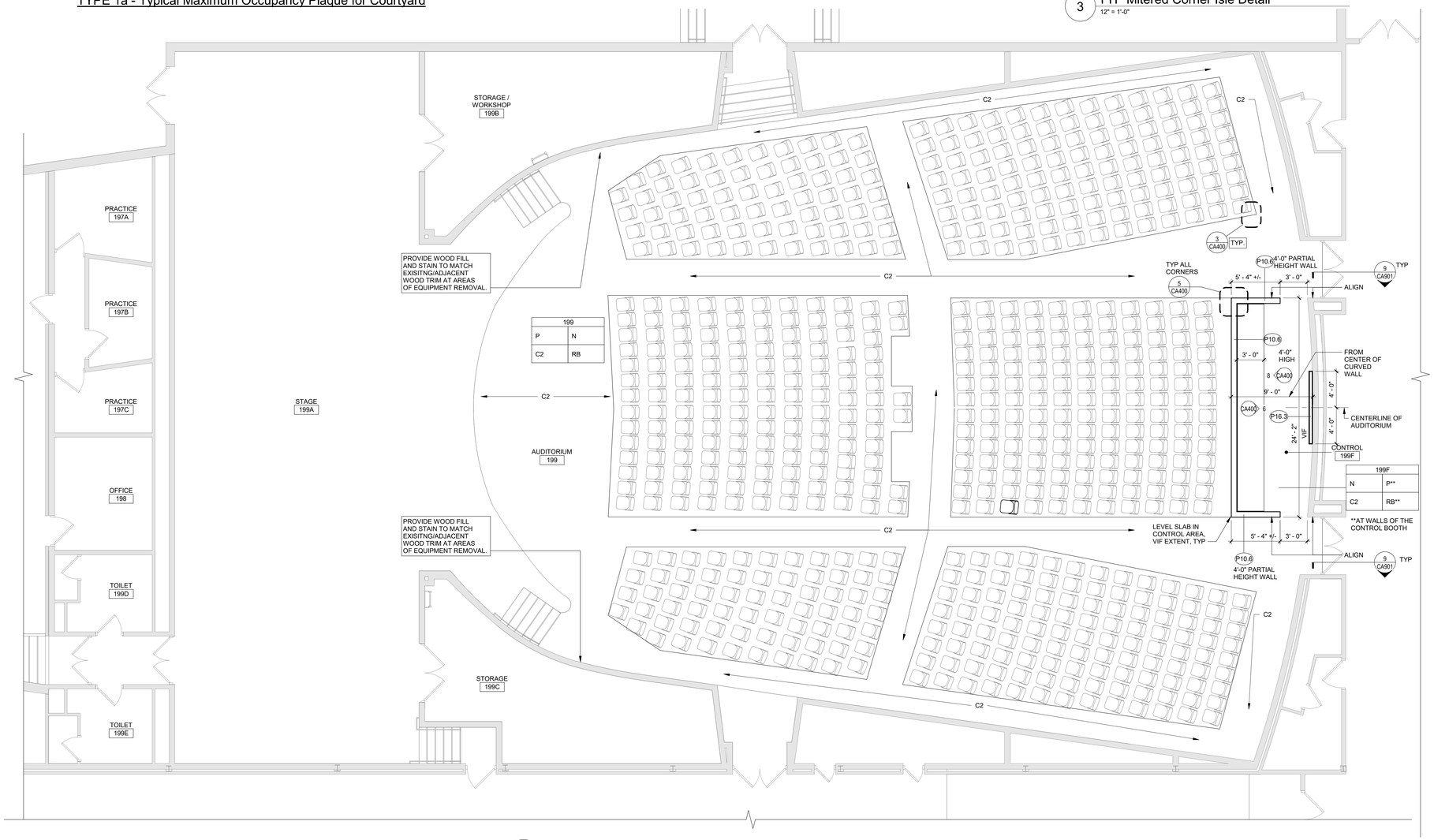
7 Transaction Counter Detail
3/4" = 1'-0"



5 Control Booth Wall Corner
1 1/2" = 1'-0"



3 TYP Mitered Corner Isle Detail
12" = 1'-0"



1 Partial First Floor Plan - Area C
3/16" = 1'-0"

General Notes

A. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS.

B. TAKE FIELD MEASUREMENTS TO FIT THE WORK PROPERLY. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD.

C. REFER INCONSISTENCIES TO ARCHITECT PRIOR TO COMMENCING THE WORK IN AFFECTED AREA.

D. ITEMS ARE SHOWN DIAGRAMMATICALLY ON DRAWINGS. VERIFY SPACE REQUIREMENTS AND DIMENSIONS TO FIT THE WORK PROPERLY.

E. NOTES SHOWN ON ONE DRAWING APPLY TO ALL SIMILAR DRAWINGS.

F. DO NOT DISTURB CONSTRUCTION SUSPECTED OF CONTAINING HAZARDOUS MATERIAL. IF ENCOUNTERED, IMMEDIATELY NOTIFY ARCHITECT, CONSTRUCTION MANAGER AND OWNER.

G. AT AREAS OF PROJECT WORK IN CORRIDORS COMPLETELY SEAL ALL PENETRATIONS TO COMPLY WITH FIRE RESISTANCE RATINGS OF 1 HOUR, AND IN STAIRS, ELECTRICAL ROOMS, MECHANICAL ROOMS AND BOILER ROOM WALLS TO COMPLY WITH FIRE RESISTANCE RATINGS OF 2 HOURS, REGARDLESS IF WALL IS NEW OR EXISTING, TYPICAL UNLESS NOTED OTHERWISE.

H. DIMENSIONS ARE FROM FACE OF MASONRY, FROM FACE OF METAL FRAMING OR FROM FACE OF EXISTING CONSTRUCTION. TYP UNO. MASONRY DIMENSIONS ARE NOMINAL.

General Plan Notes

A. WHERE EXISTING CONSTRUCTION IS DAMAGED OR DISTURBED, PATCH AS REQUIRED TO RESTORE SURFACES TO THEIR ORIGINAL CONDITION.

B. PARTITION TYPE TAGS APPLY TO ENTIRE LENGTH OF WALL INDICATED BY THAT TAG, REGARDLESS OF OPENINGS WITHIN THAT WALL, TYPICAL UNLESS NOTED OTHERWISE.

1. ALL EXTERIOR WALLS SHALL BE WALL/PARTITION TYPE EW1, TYPICAL UNLESS NOTED OTHERWISE.

2. ALL INTERIOR WALLS SHALL BE WALL/PARTITION TYPE P12.4, TYPICAL UNLESS NOTED OTHERWISE.

C. INFILL AREAS OF RECESSED FLOOR MAT AND/OR FINISH REMOVALS WITH REPAIR MATERIAL. PROVIDE SUBSTRATE LEVEL AS REQUIRED SO SCHEDULED FINISHED FLOOR WILL MATCH THAT OF EXISTING ADJACENT AREAS.

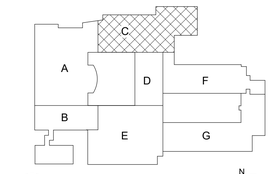
D. PROVIDE BRACING WITHIN CHASES AS FOLLOWS:

1. MASONRY WALLS: FULL-HEIGHT 4" CMU BRACES AT MAXIMUM SPACING OF 11'-0" OC.

2. GYPSUM BOARD/TILE BACKING PANELS ON METAL FRAMING: FULL-HEIGHT 6" METAL STUD BRACES AT MAXIMUM SPACING OF 11'-0" OC.

E. PROVIDE BLOCKING AT NEW AND EXISTING GYPSUM BOARD WALLS PER MANUFACTURER RECOMMENDATIONS FOR SUPPORT OF WALL /TALL MOUNTED CASEWORK UNITS. REFER TO SPECIFICATION SECTION 06 10 00 FOR WOOD BLOCKING RESPONSIBILITIES. STEEL STRAPPING ON FACE OF PARTITION IS NOT ACCEPTABLE.

REFER TO DRAWING CA901 FOR ROOM FINISH KEY



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

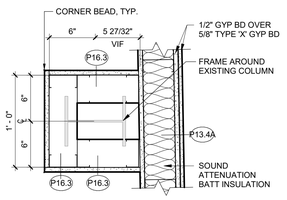
TETRA TECH
ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

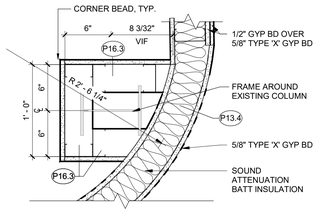
Reconstruction to:
Lakeland High School

Partial First Floor Plan - Area C and Details

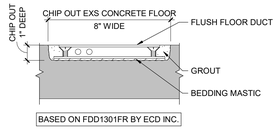
Drawn By:	Date:	Drawing Number:
TS	10/13/2023	CA400
Project No.: 276721-23001		



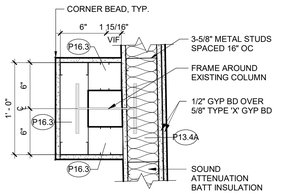
5 Plan Detail - Gallery Wall Column Wrap 2
1 1/2" = 1'-0"



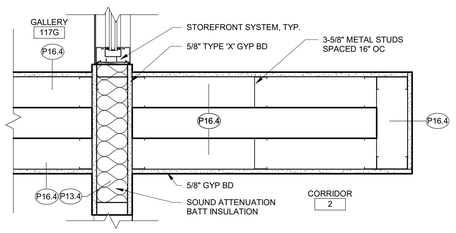
4 Plan Detail - Gallery Wall Column Wrap 1
1 1/2" = 1'-0"



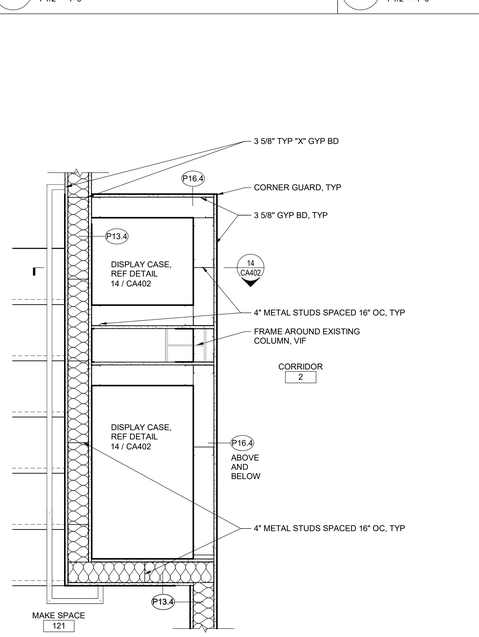
3 Floor Cable Duct
3" = 1'-0"



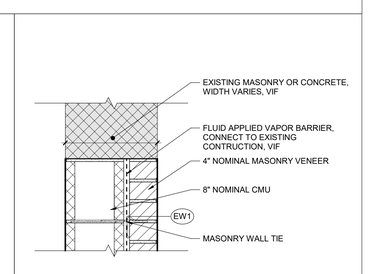
6 Plan Detail - Gallery Wall Column Wrap 3
1 1/2" = 1'-0"



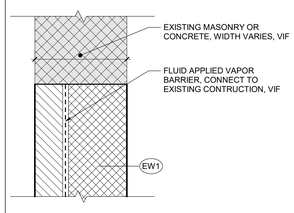
8 Plan Detail - Library Entrance
1 1/2" = 1'-0"



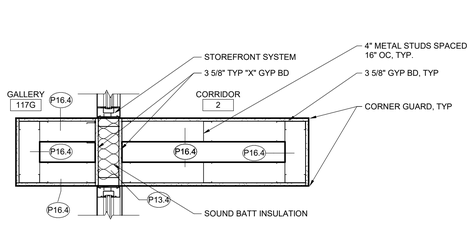
7 Plan Detail - Recessed Cabinetry
1" = 1'-0"



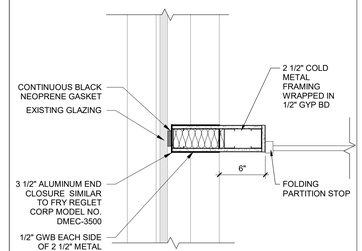
9 Section Detail - Wall Infill
1 1/2" = 1'-0"



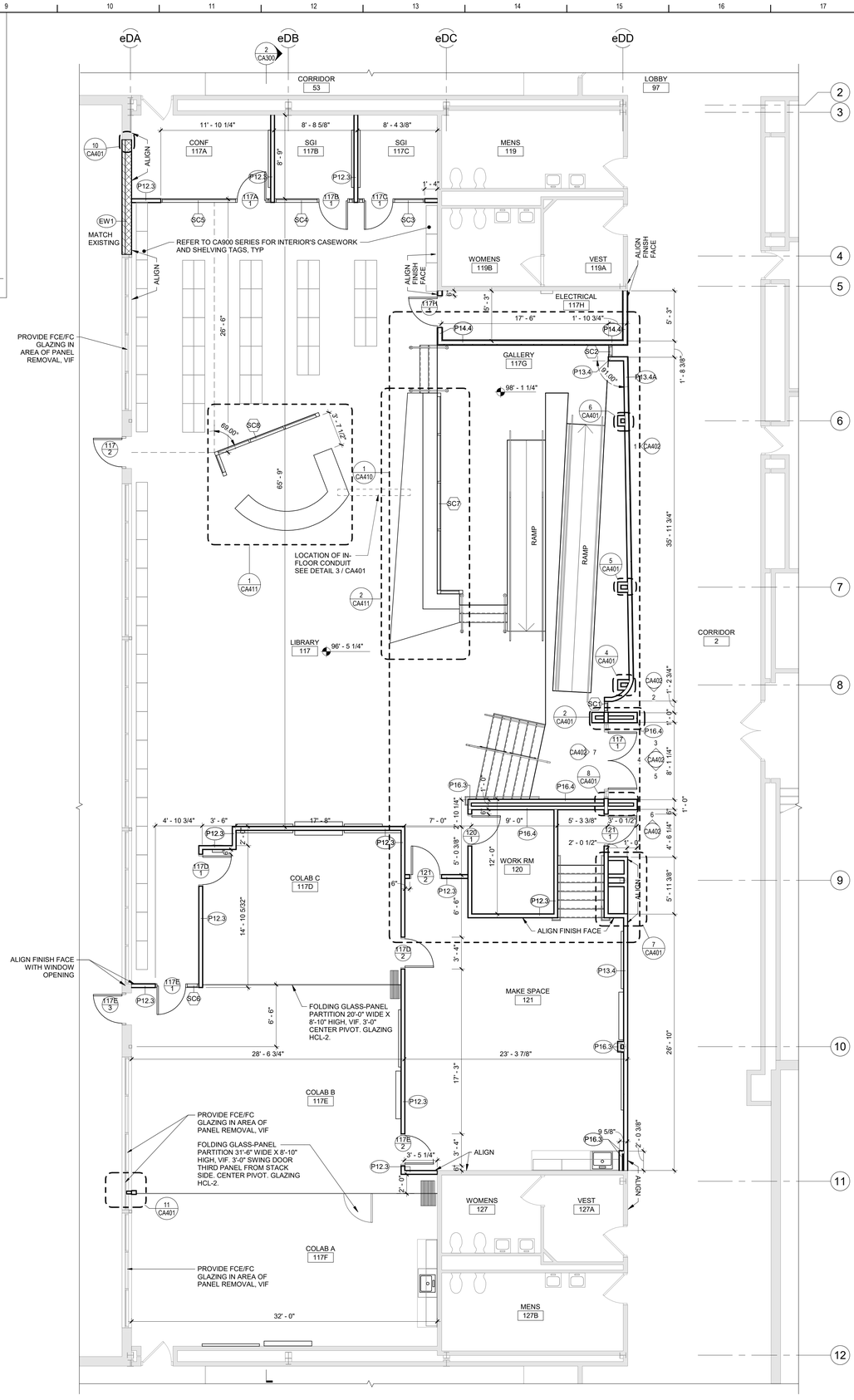
10 Plan Detail - Exg Wall
1 1/2" = 1'-0"



2 Plan Detail - Gallery Entrance
1" = 1'-0"



11 Plan Detail - Folding Partition
1 1/2" = 1'-0"



1 Partial First Floor Plan - Area D
3/16" = 1'-0"

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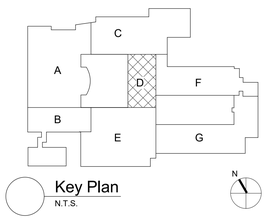

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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BID SET

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

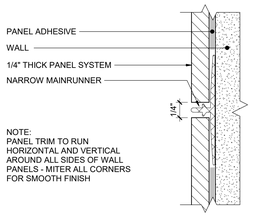
TETRA TECH ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

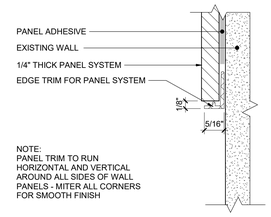
Reconstruction to:
Lakeland High School

Partial First Floor Plan - Area D and Details

Drawn By:	Date:	Drawing Number:
ZV	10/13/2023	CA401
Project No.: 276721-23001		



8 Wall System Detail - Horizontal
12" = 1'-0"



9 Wall System Detail - Base
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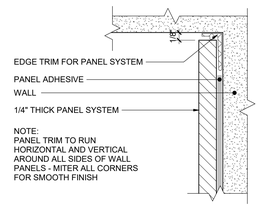
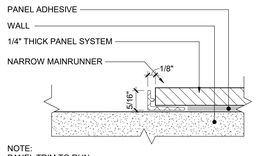
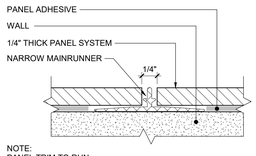


10 Wall System Detail - Corner
12" = 1'-0"



11 Wall System Detail - Exposed Edge
12" = 1'-0"



12 Wall System Detail - Vertical
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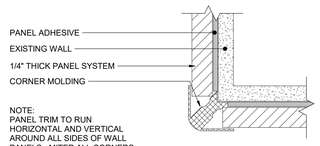
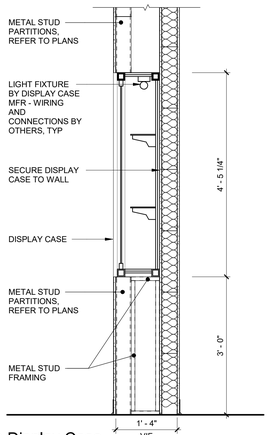
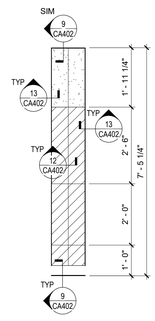


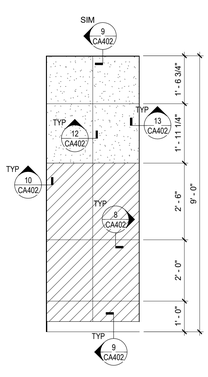
13 Wall System Detail - Corner
12" = 1'-0"



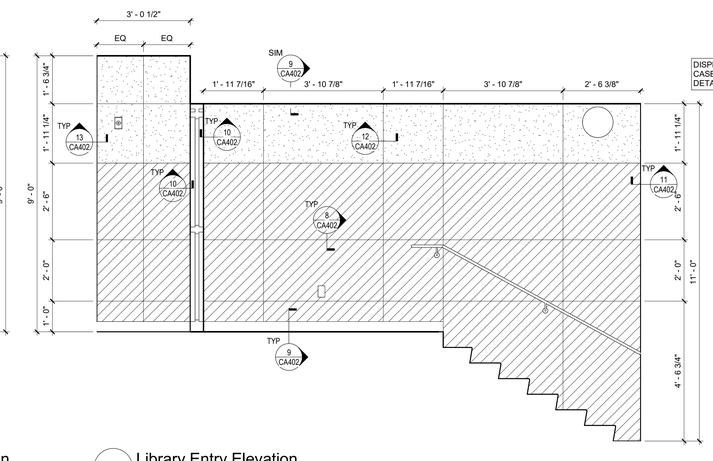
14 Display Case
3/4" = 1'-0"



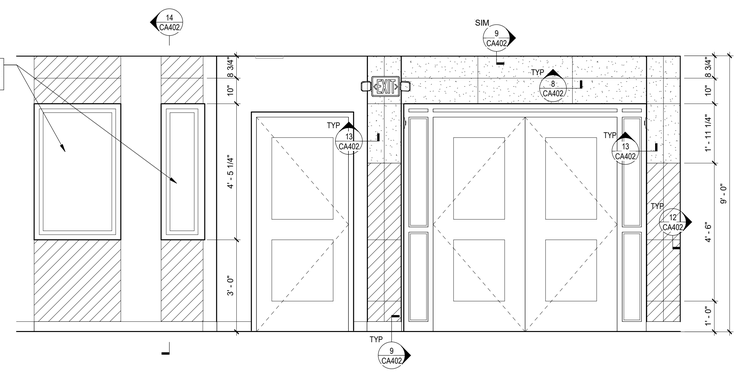
7 Library Entry Elevation
1/2" = 1'-0"



6 Library Entry Elevation
1/2" = 1'-0"



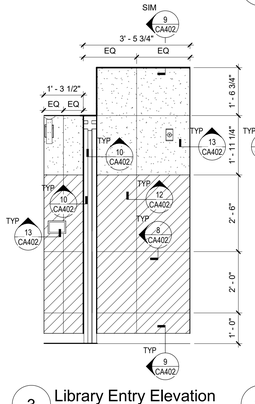
5 Library Entry Elevation
1/2" = 1'-0"



4 Library Entry Elevation
1/2" = 1'-0"

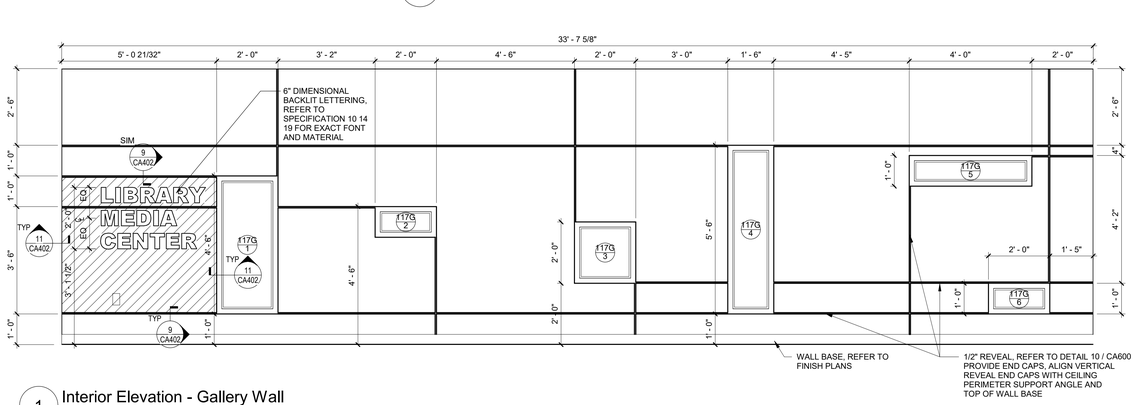
WOOD VENEER TYPE 1

WOOD VENEER TYPE 2



3 Library Entry Elevation
1/2" = 1'-0"

2 Library Entry Elevation
1/2" = 1'-0"



1 Interior Elevation - Gallery Wall
1/2" = 1'-0"

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

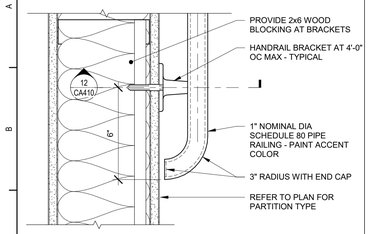
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

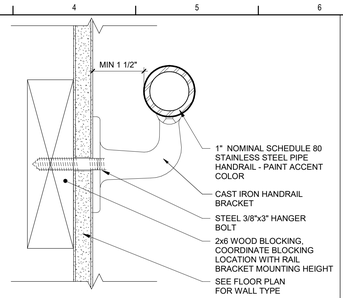
Library Interior Elevations and Details

Drawn By:	Date:	Drawing Number:
ZV	10/13/2023	CA402

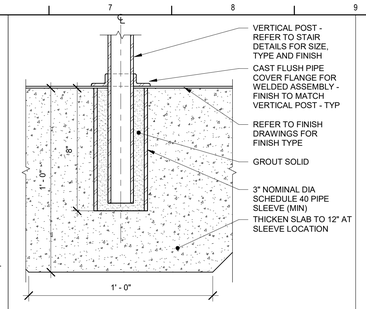
Project No.: 276721-23001



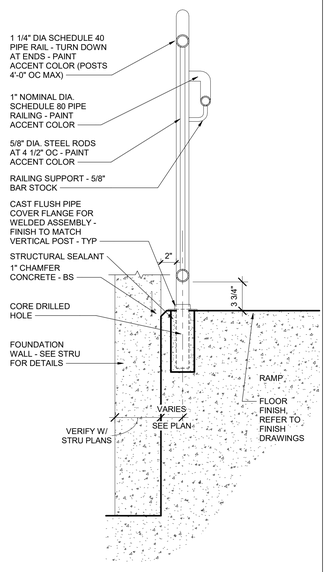
15 Handrail Detail
3" = 1'-0"



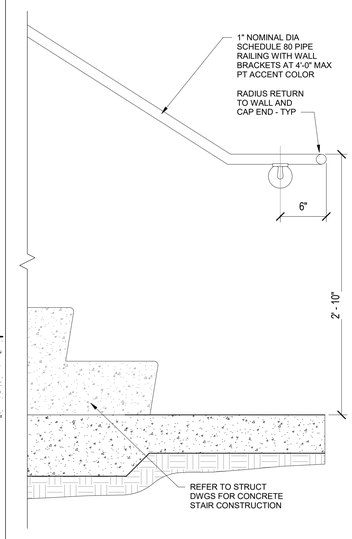
12 Wall Mounted Rail Support Detail
6" = 1'-0"



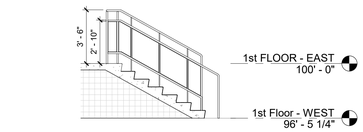
11 Floor Sleeve Detail
3" = 1'-0"



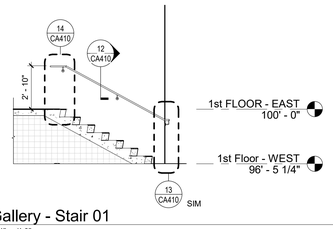
16 Railing at Stair / Ramp
1 1/2" = 1'-0"



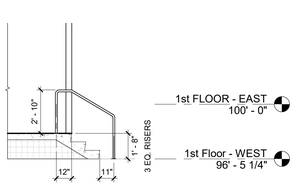
13 Typical Stair Base Detail
1 1/2" = 1'-0"



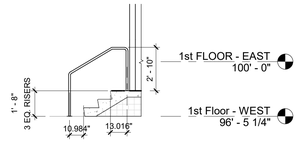
5 Gallery - Stair 01
1/4" = 1'-0"



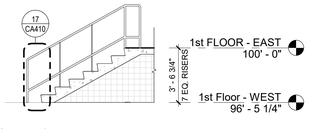
6 Gallery - Stair 01
1/4" = 1'-0"



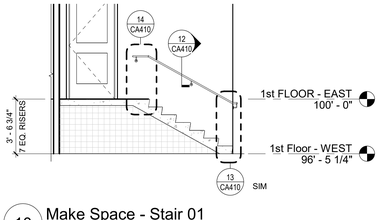
7 Gallery - Stair 01
1/4" = 1'-0"



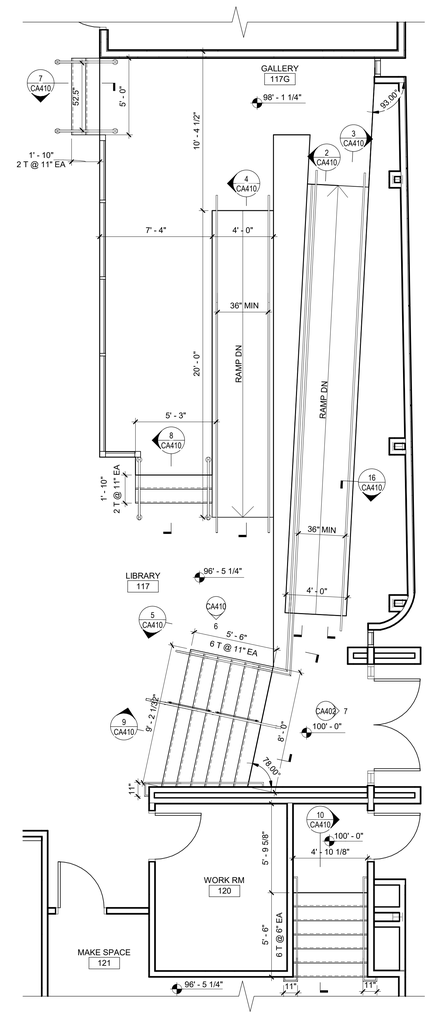
8 Gallery - Stair 02
1/4" = 1'-0"



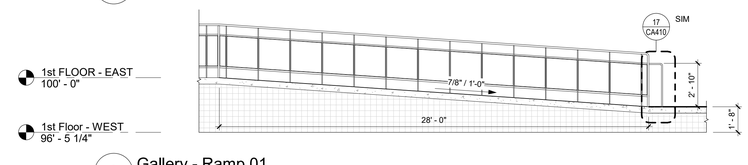
9 Gallery - Stair 03
1/4" = 1'-0"



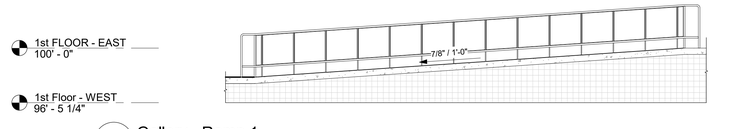
10 Make Space - Stair 01
1/4" = 1'-0"



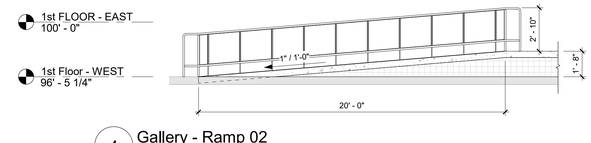
1 Enlarged Floor Plan - Library/ Gallery Stairs and Ramps
1/4" = 1'-0"



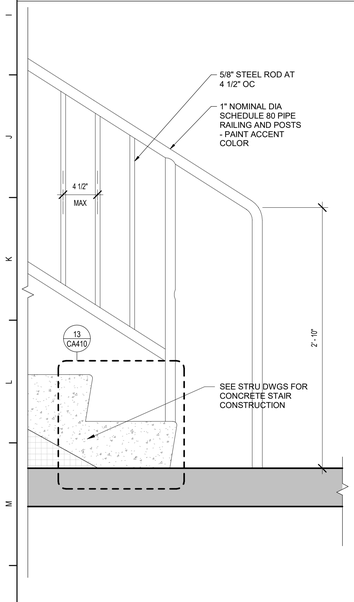
2 Gallery - Ramp 01
1/4" = 1'-0"



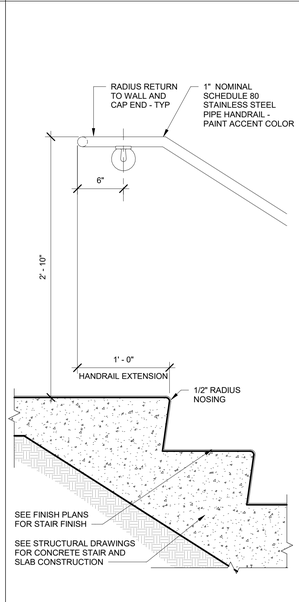
3 Gallery - Ramp 1
1/4" = 1'-0"



4 Gallery - Ramp 02
1/4" = 1'-0"



17 Typical Stair Base Section
1 1/2" = 1'-0"



14 Typical Stair Head Section
1 1/2" = 1'-0"

General Stair Notes

A. REFER TO "GENERAL NOTES" ON KEY PLANS FOR ADDITIONAL INFORMATION.

B. PROVIDE [HSS ___ TUBE STRINGERS] [___ CHANNEL STRINGERS] AT ALL STAIRS, TYP UNO. [PROVIDE 3/16" CLOSURE PLATES AT ALL EXPOSED END CONDITIONS, INCLUDING BUT NOT LIMITED TO: [CHANNEL STRINGERS.] STAIR BASE, LANDING AND HEADER DETAILS AND AS DETAILED ON DWGS. CONTINUOUSLY WELD AND GRIND SMOOTH.

C. PROVIDE CONTINUOUS STAIR SHAFT FIRE RATINGS AS INDICATED ON CC DWGS. COORDINATE EXACT LOCATIONS OF STRINGERS TO ALLOW FINISHED WALL SURFACE TO PASS BY FREE OF OBSTRUCTION.

D. REFER TO FINISH DWGS FOR FLOOR FINISHES.

E. REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION AT STAIRS AND RAMPS.

F. ALL STAIR STRINGERS SHALL RECEIVE CONTINUOUS 1/8" CLOSURE PLATE. FIELD INSTALL TIGHT TO STAIRWELL WALL, AND CONTINUOUSLY WELD AND GRIND SMOOTH. PAINT ACCENT COLOR, SAME COLOR AS STRINGER. SEE FINISH DWGS.

G. PROVIDE 3-1/2" x 3-1/2" x 5/16" PAN STIFFENERS AT 3'-0" MAXIMUM OC, TYP. CENTER STIFFENERS ON LANDING AND EACH STAIR RUN, TYP UNO.

H. PROVIDE CONTINUOUS GUARDRAIL AND HANDRAIL AT ALL LANDINGS OF STAIRS WITH OPEN CENTERS AS DETAILED ON DRAWINGS (DESIGN AND FINISH SHALL MATCH ADJACENT GUARDRAILS, TYP UNO). GUARDRAILS SHALL PREVENT PASSAGE OF 4" DIAMETER SPHERE.

J. PROVIDE CONTINUOUS HANDRAILS AT ALL STAIR TYPES (BOTH OPEN OR SOLID CENTERS). EXTEND HANDRAILS ALONG OUTSIDE OF ALL STAIRS AS DIMENSIONED ON PLANS.

K. RADIUS RETURN ALL HANDRAILS TO WITHIN 1/4" OF WALL OR ATTACH DIRECTLY TO GUARDRAIL POST, TYP UNO.

L. PROVIDE STAIR ACCESSORIES, INCLUDING BUT NOT LIMITED TO: HANDRAIL WALL BRACKETS, PIPE COVER FLANGE, ETC, AS REQUIRED FOR A COMPLETE AND FINISHED INSTALLATION. SEE SECTION 05500.

M. EQUALLY SPACE WALL HANDRAIL BRACKETS AS DETAILED ON DRAWINGS, BUT NOT TO EXCEED 4'-0" MAXIMUM OC (MEASURED TO ANGLE OF HANDRAIL), UNO. AT WALL BRACKET LOCATIONS PROVIDE ADEQUATE SUPPORT FOR WALL-MOUNTED ITEMS AS DETAILED ON DRAWINGS (USE THE FOLLOWING UNO).

CMU WALLS
GROUT CORES SOLID (MINIMUM 2'-0" EACH LOCATION).

METAL STUD / CFMF FRAMED WALLS
PROVIDE WOOD BLOCKING SECURELY FASTENED TO EACH STUD (FIRE-TREATED AT FIRE-RATED WALLS).

N. PAINT GUARDRAILS AND HANDRAILS ACCENT COLOR AS SELECTED BY ARCHITECT (COLOR TO BE ISSUED DURING CONSTRUCTION).

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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BID SET

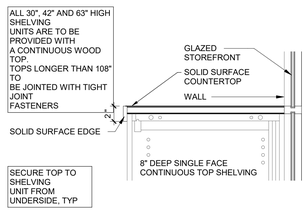
TETRA TECH
ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

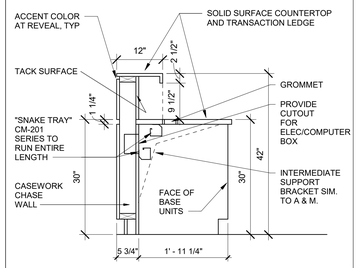
Reconstruction to:
Lakeland High School

Ramp and Stair Enlarged Plans and Details

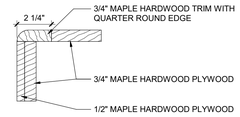
Drawn By:	Date:	Drawing Number:
ZV	10/13/2023	CA410
Project No.: 276721-23001		



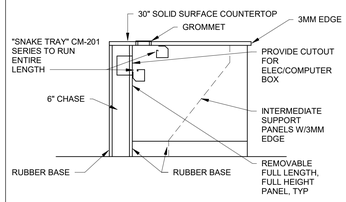
6 Continuous Canopy Top
3/4" = 1'-0"



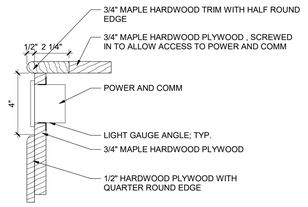
3 Transaction Counter Detail
3/4" = 1'-0"



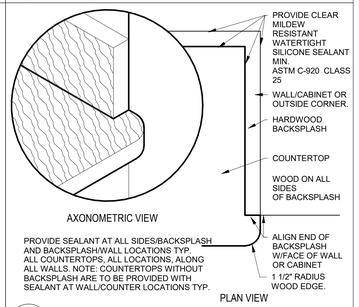
7 Seating Edge Detail 1
3" = 1'-0"



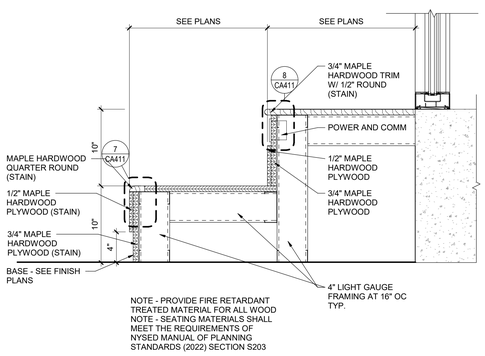
4 Computer Counter Detail
3/4" = 1'-0"



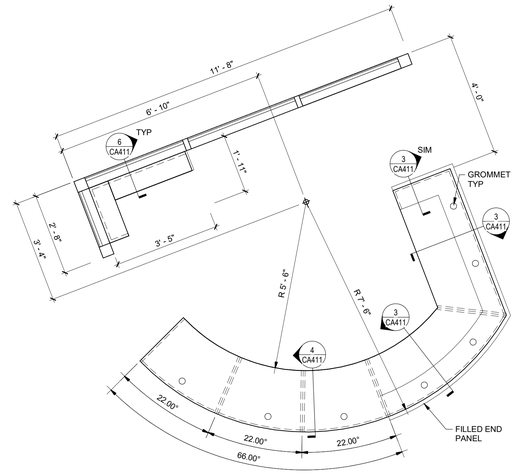
8 Seating Edge Detail 2
3" = 1'-0"



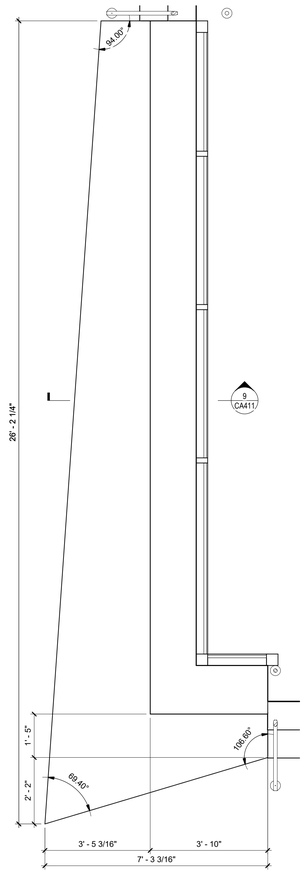
5 Solid Hardwood Countertop Edge Detail
3" = 1'-0"



9 Section at Gallery Seating
1 1/2" = 1'-0"



1 Circulation Desk Plan
1/2" = 1'-0"



2 Gallery Stepped Seating
1/2" = 1'-0"

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:
1	05/02/2024	SED ADDENDUM #1

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

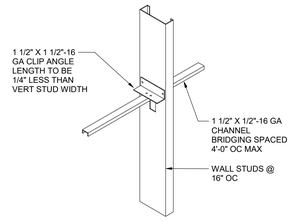
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

Circulation Desk, Stepped Seating and Details

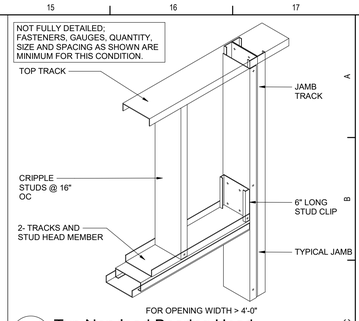
Drawn By:	Date:	Drawing Number:
PO/ZV	10/13/2023	CA411
Project No.: 276721-23001		

NOT FULLY DETAILED;
FASTENERS, GAUGES, QUANTITY,
SIZE AND SPACING AS SHOWN
ARE MINIMUM FOR THIS CONDITION

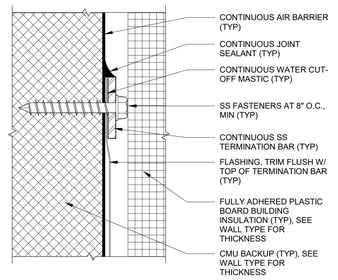


6 Typical Wall Bridging
3/4" = 1'-0"

NOT FULLY DETAILED;
FASTENERS, GAUGES, QUANTITY,
SIZE AND SPACING AS SHOWN ARE
MINIMUM FOR THIS CONDITION.

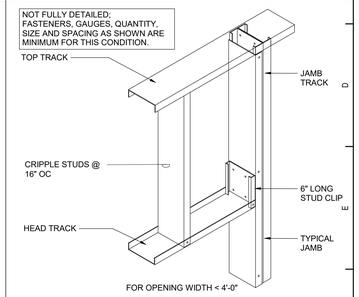


1 Typ Non-load Bearing Head
3/4" = 1'-0"

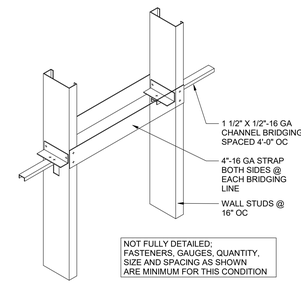


7 Typical Termination Bar at CMU Wall
1/2" = 1'-0"

NOT FULLY DETAILED;
FASTENERS, GAUGES, QUANTITY,
SIZE AND SPACING AS SHOWN ARE
MINIMUM FOR THIS CONDITION.



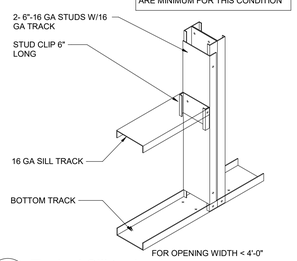
2 Typ Non-load Bearing Head
3/4" = 1'-0"



NOT FULLY DETAILED;
FASTENERS, GAUGES, QUANTITY,
SIZE AND SPACING AS SHOWN
ARE MINIMUM FOR THIS CONDITION

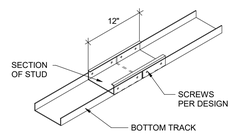
3 Typ Wall Bridging at Pipe Chase
3/4" = 1'-0"

NOT FULLY DETAILED;
FASTENERS, GAUGES, QUANTITY,
SIZE AND SPACING AS SHOWN
ARE MINIMUM FOR THIS CONDITION



4 Typical Sill to Jamb
3/4" = 1'-0"

NOT FULLY DETAILED;
FASTENERS, GAUGES, QUANTITY,
SIZE AND SPACING AS SHOWN ARE
MINIMUM FOR THIS CONDITION.



5 Typical Track Splice
3/4" = 1'-0"

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

Miscellaneous and Plan Details

Drawn By:	Date:	Drawing Number:
Author	10/13/2023	CA500

Project No.:
276721-23001

Door Schedule

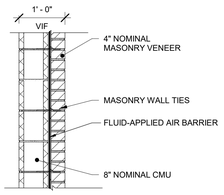
ROOM NUMBER	DOOR NUMBER	DOOR TYPE	DOOR MATERIAL	DOOR WIDTH	DOOR HEIGHT	DOOR RATING	DOOR GLAZING	FRAME TYPE	FRAME MATERIAL	FRAME WIDTH	FRAME HEIGHT	FRAME RATING	FRAME GLAZING	HEAD	JAMB	SILL	HDW SET	REMARKS
117	1	G2-PR	WD	3' - 0"	7' - 0"	20 MIN	FPC	F11	HM	7' - 11"	7' - 5 1/4"	45 MIN	FPC	H-15	J-17	-	3.0	
117	2	F	HM	3' - 0"	7' - 0"	-	-	F2	HM	3' - 4"	7' - 2"	-	-			-	10	
117A	1	G2	AL	3' - 0"	7' - 0"	-	HCL	SC5	AL	0"	0"	-	-	-	-	-	1.0	2
117B	1	G2	AL	3' - 0"	7' - 0"	-	HCL	SC4	AL	0"	0"	-	-	-	-	-	1.0	2
117C	1	G2	AL	3' - 0"	7' - 0"	-	HCL	SC3	AL	0"	0"	-	-	-	-	-	1.0	2
117D	1	G2	WD	3' - 0"	7' - 0"	-	FC	F2	HM	3' - 4"	7' - 2"	-	-	H-13	J-13	-	4.0	
117D	2	G2	WD	3' - 0"	7' - 0"	-	FC	F2	HM	3' - 4"	7' - 2"	-	-	H-13	J-13	-	4.0	
117E	1	G2	AL	3' - 0"	7' - 0"	-	HCL	SC6	AL	0"	0"	-	-	-	-	-	1.0	2
117E	2	G2	WD	3' - 0"	7' - 0"	-	FC	F2	HM	3' - 4"	7' - 2"	-	-	H-13	J-13	-	4.0	
117E	3	F	HM	3' - 0"	7' - 0"	-	-	F2	HM	3' - 4"	7' - 2"	-	-			-	10	
117H	1	F	HM	3' - 0"	7' - 0"	90 MIN	-	F2	HM	3' - 4"	7' - 2"	90 MIN	-	H-13	J-13	-	2.0	
120	1	F	WD	3' - 0"	7' - 0"	-	-	F2	HM	3' - 4"	7' - 2"	-	-	H-13	J-13	-	4.0	
121	1	G2	WD	3' - 0"	7' - 0"	20 MIN	FPC	F2	HM	3' - 4"	7' - 2"	45 MIN	FPC	H-13	J-13	-	5.0	
121	2	G2	WD	3' - 0" +/- VIF	7' - 0" +/- VIF	-	FC	F2	HM	3' - 4" +/- VIF	7' - 2" +/- VIF	-	-	H-13	J-13	-	4.0	
B201	1	G-PR	FRP	3' - 0" +/- VIF	5' - 5" +/- VIF	-	FCE/HCL	F2	AL	6' - 4" +/- VIF	5' - 7" +/- VIF	-	-	6/CA600	7/CA600	8/CA600	13.0	1
B202	1	G	FRP	3' - 0"	5' - 5"	-	FCE/HCL	F2	AL	3' - 4"	5' - 7"	-	-	6/CA600	7/CA600	8/CA600	12.0	1
WINDOW																		
117G	1	-	-	0"	0"	-	-	F22	HM	2' - 0"	4' - 6"	45 MIN	FPC	H-15	J-15	H-15 SIM	-	
117G	2	-	-	0"	0"	-	-	F22	HM	2' - 0"	1' - 0"	45 MIN	FPC	H-15	J-15	H-15 SIM	-	
117G	3	-	-	0"	0"	-	-	F22	HM	2' - 0"	2' - 0"	45 MIN	FPC	H-15	J-15	H-15 SIM	-	
117G	4	-	-	0"	0"	-	-	F22	HM	1' - 6"	5' - 6"	45 MIN	FPC	H-15	J-15	H-15 SIM	-	
117G	5	-	-	0"	0"	-	-	F22	HM	4' - 0"	1' - 0"	45 MIN	FPC	H-15	J-15	H-15 SIM	-	
117G	6	-	-	0"	0"	-	-	F22	HM	2' - 0"	1' - 0"	45 MIN	FPC	H-15	J-15	H-15 SIM	-	

NOTES:
1. ROOF ACCESS DOOR AND FRAME IN EXISTING OPENING WITH RAISED THRESHOLD, VIF.
2. REFER TO STOREFRONT ELEVATIONS FOR FRAME GLAZING TYPE

GENERAL NOTES:
- VERIFY ALL DIMENSIONS IN THE FIELD
- REFER TO STOREFRONT ELEVATIONS FOR DETAILS, GLAZING AND FRAME INFORMATION

CREATED A NEW HARDWARE SET FOR ROOF ACCESS DOORS
12.0 FOR SINGLE DOOR 13.0 FOR DOUBLE DOORS
CNAGED FROM 2.0

NOTE TO DESIGNER: VERIFY WALL R AND U VALUES AND CONFIRM THEY MEET ENERGY CODE

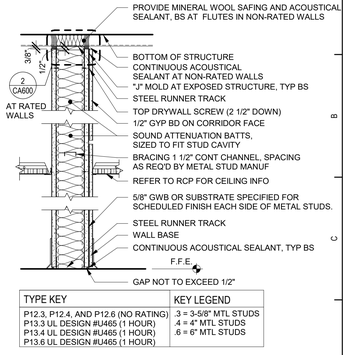


EW1
R = 16.31
U= 0.06

NOTES: (APPLIES TO ALL EXTERIOR WALL TYPES)
A. REFER TO STRUCTURAL AND ARCHITECTURAL DWGS FOR LOCATIONS OF COLUMN CENTERLINES. SEE STRUCTURAL DWGS FOR FOOTING, FOUNDATION, FLOOR SLAB DETAILS.
B. TOOL MORTAR JOINTS FLUSH ON CAVITY SIDE(S) OF CMU BACKUP WALL TO RECEIVE AIR BARRIER. CMU SHALL BE FREE OF DEFECTS, TYP.

5 Typical Exterior Wall Types
3/4" = 1'-0"

AT P13.4A ADHERE ADDITIONAL LAYER OF 1/2" GYP BOARD TO CORRIDOR FACE - SEE DETAIL 10 / CA600

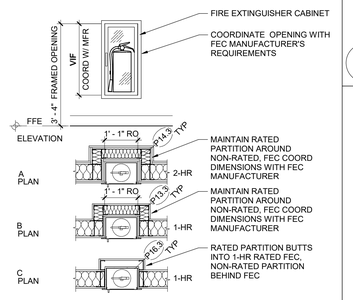


TYPE KEY	KEY LEGEND
P12.3, P12.4, AND P12.6 (NO RATING)	.3 = 3-5/8" MTL STUDS
P13.3 UL DESIGN #U465 (1 HOUR)	.4 = 4" MTL STUDS
P13.4 UL DESIGN #U465 (1 HOUR)	.6 = 6" MTL STUDS
P13.6 UL DESIGN #U465 (1 HOUR)	

1 Metal Stud Partition Type P12 and P13
1 1/2" = 1'-0"

General Door Notes

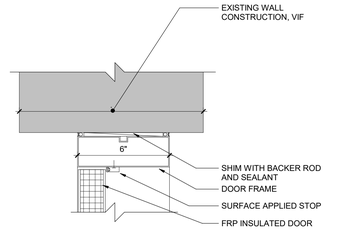
A. SEE DWG AA601 FOR ADDITIONAL INFORMATION AND DETAILS.
B. HARDWARE ON DOORS FROM SPACES OF PUPIL OCCUPANCY SHALL BE A TYPE WHICH WILL ALWAYS PERMIT THE DOOR TO BE OPENED FROM THE INSIDE WITHOUT DIRECT MANIPULATION OF ANY TYPE LOCKING DEVICE.
C. METAL VISION PANEL TRIM SHALL BE PAINTED SAME COLOR AS DOOR FRAMES.
D. ALL DOORS WITH ELECTRO-MAGNETIC HOLD OPEN DEVICES SHALL SWING TOWARDS ADJACENT WALLS. COORDINATE ALL INSTANCES WITH CONTRACTOR RESPONSIBLE FOR ELECTRICAL WORK, AND SEE ELECTRICAL DWGS.
E. ALL DOOR HARDWARE FROM OCCUPIED SPACES SHALL BE OF A TYPE THAT WILL ALWAYS PERMIT THE DOOR TO BE OPENED FROM WITHIN THE SPACE WITHOUT USE OF A KEY.
F. ALL HM FRAMES IN CMU WALLS SHALL BE GROUTED SOLID.
G. APPLY CONTINUOUS JOINT SEALANT TO ALL JOINTS BETWEEN FRAMES AND WALLS, TYP ALL.
H. PAINT ALL HM DOORS AND FRAMES IN ACCORDANCE W/ SECTION 099100.
I. PROVIDE LINTELS AT ALL DOOR AND WINDOW OPENINGS IN ACCORDANCE WITH LINTEL SCHEDULE ON STRUCTURAL DWGS.
J. PROVIDE WINDOW TREATMENTS AT SIDELIGHTS, EXCLUDING TRANSOM DIRECTLY ABOVE DOORS. REFER TO WINDOW TREATMENT PLANS FOR LOCATIONS.
K. NOTE THAT DUE TO REQUIREMENTS IN THE BCNYS, SOME FIRE RESISTANCE RATINGS MAY DIFFER BETWEEN DOORS (AND ITS GLASS, IF ANY) AND THAT DOOR'S FRAME ESPECIALLY IF THAT FRAME HAS GLASS (SIDELITES; TRANSOMS; ETC).
L. ADDITIONAL DOOR SCHEDULE DESIGNATIONS
- NOT APPLICABLE
NOT APPLICABLE OR TO BE COORDINATED WITH STOREFRONT TYPES



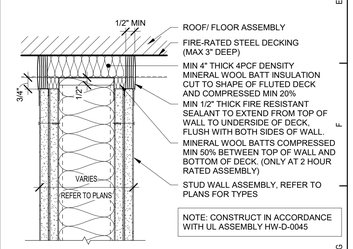
NOTE TO DESIGNER:
IF ACHIEVING A RATED ENCLOSURE IS PROBLEMATIC SPECIFY A RATED FEC AND USE NON-RATED CONSTRUCTION BEHIND THE CABINET.

MAINTAIN A MINIMUM OF 4" CLEARANCE BELOW THE CABINET TO ALLOW INSTALLATION OF WALL BASE.

12 FEC - Stud Wall
1/2" = 1'-0"



6 Head Detail
3" = 1'-0"



NOTE: CONSTRUCT IN ACCORDANCE WITH UL ASSEMBLY HW-D-0045

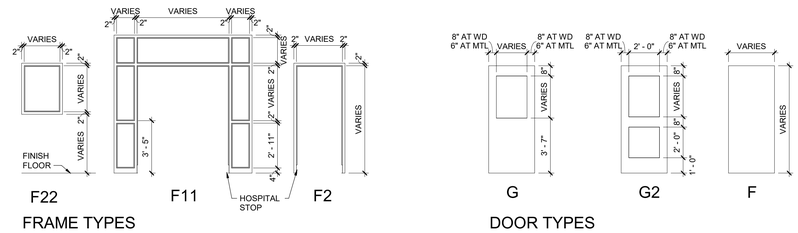
2 Typical Top of Wall Assembly (Rated)
3" = 1'-0"

General Window Notes

A. INSULATING GLASS UNITS SHALL BE TYPE FCE/FC, TYP UNO.
B. RESCUE WINDOWS ARE INDICATED BY THE DESIGNATION "RW".
C. PROVIDE ALL ALUMINUM FLASHINGS, RECEIVERS, TRIM AND SILLS REQUIRED FOR A COMPLETE AND FINISHED INSTALLATION REGARDLESS OF IF SHOWN ON DRAWINGS.
D. REFER TO WINDOW TREATMENTS AS SHOWN ON DRAWINGS.
E. GLAZING SYSTEMS FRAME TYPE KEY:
F HOLLOW METAL
S ALUMINUM STOREFRONT
F. PROVIDE INTERNAL STEEL REINFORCEMENT TO WINDOW, STOREFRONT AND CURTAIN WALL SYSTEMS AS REQUIRED TO COMPLY WITH WIND LOADING OR OTHER DESIGN CRITERIA, OR AS RECOMMENDED BY MANUFACTURER,
G. ALUMINUM WINDOW, STOREFRONT AND CURTAIN WALL FRAME EXTRUSIONS ARE INTENDED AS GENERIC GRAPHIC REPRESENTATIONS ONLY.

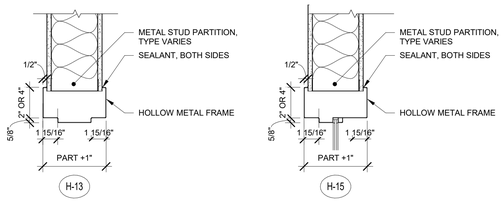
Glazing Legend

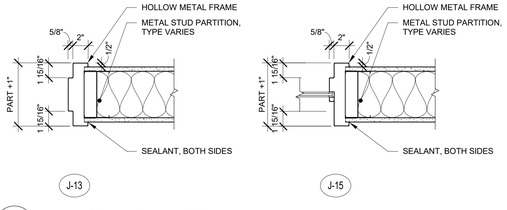
HATCHED AREA INDICATES AREAS OF HCL-2 LAMINATED GLAZING

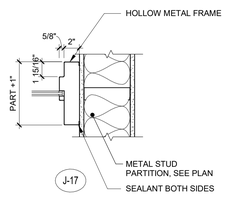


FRAME TYPES

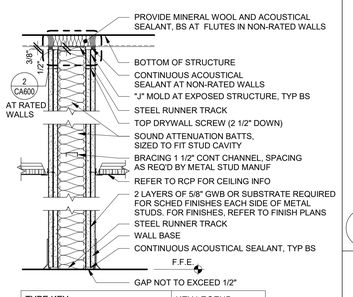
DOOR TYPES





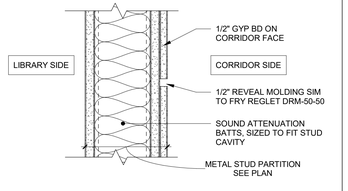


11 Hollow Metal Frame Details
1 1/2" = 1'-0"

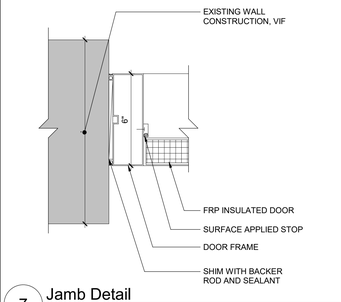


TYPE KEY	KEY LEGEND
P14.3 UL DESIGN #U411 (2 HOUR)	.3 = 3-5/8" MTL STUDS
P14.4 UL DESIGN #U411 (2 HOUR)	.4 = 4" MTL STUDS
P14.6 UL DESIGN #U411 (2 HOUR)	.6 = 6" MTL STUDS

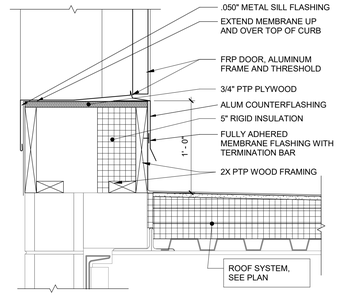
9 Metal Stud Partition Type P14
1 1/2" = 1'-0"



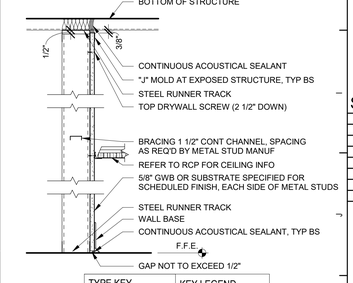
10 P13.4A Detail
3" = 1'-0"



7 Jamb Detail
3" = 1'-0"

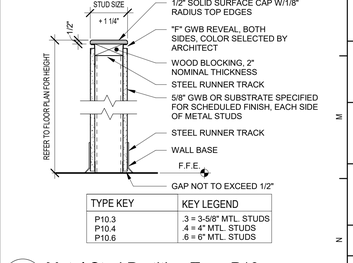


8 Base of Flashing Detail at Door Sill
1 1/2" = 1'-0"



TYPE KEY	KEY LEGEND
P16.3	.3 = 3-5/8" MTL STUDS
P16.4	.4 = 4" MTL STUDS
P16.6	.6 = 6" MTL STUDS

3 Metal Stud Partition Type P16
1 1/2" = 1'-0"



TYPE KEY	KEY LEGEND
P10.3	.3 = 3-5/8" MTL. STUDS
P10.4	.4 = 4" MTL. STUDS
P10.6	.6 = 6" MTL. STUDS

4 Metal Stud Partition Type P10
1 1/2" = 1'-0"

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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BID SET

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

TETRA TECH ARCHITECTS & ENGINEERS

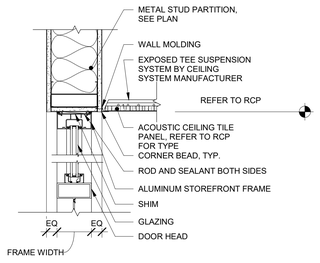
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

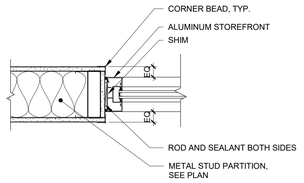
Door Schedule, Door and Window Types, and Details

Drawn By:	Date:	Drawing Number:
ZV	10/13/2023	CA600

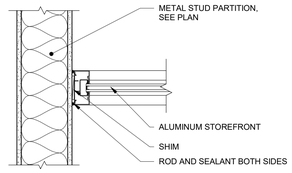
Project No.: 276721-23001



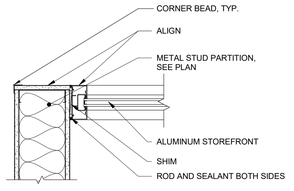
1 Head Detail
1 1/2" = 1'-0"



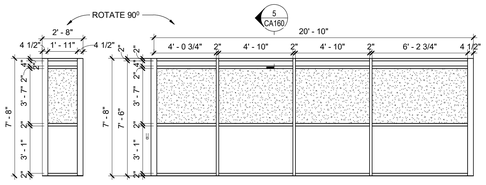
2 Jamb Detail
1 1/2" = 1'-0"



3 Jamb Detail
1 1/2" = 1'-0"

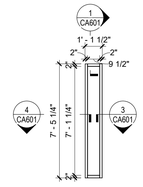


4 Jamb Detail
1 1/2" = 1'-0"



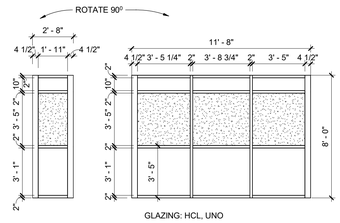
GLAZING: HCL, UNO

SC7



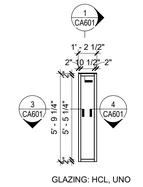
GLAZING: HCL, UNO

SC1



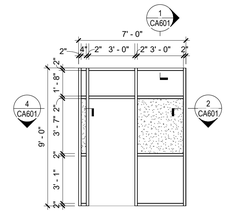
GLAZING: HCL, UNO

SC8



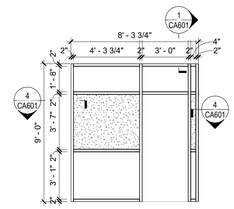
GLAZING: HCL, UNO

SC2



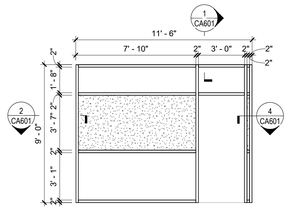
GLAZING: HCL, UNO

SC3



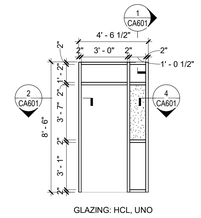
GLAZING: HCL, UNO

SC4



GLAZING: HCL, UNO

SC5



GLAZING: HCL, UNO

SC6

General Window Notes

A. INSULATING GLASS UNITS SHALL BE TYPE FCE/FC, TYP UNO.

B. RESCUE WINDOWS ARE INDICATED BY THE DESIGNATION "RW".

C. PROVIDE ALL ALUMINUM FLASHINGS, RECEIVERS, TRIM AND SILLS REQUIRED FOR A COMPLETE AND FINISHED INSTALLATION REGARDLESS OF IF SHOWN ON DRAWINGS.

D. REFER TO WINDOW TREATMENTS AS SHOWN ON DRAWINGS.

E. GLAZING SYSTEMS FRAME TYPE KEY:

F HOLLOW METAL
S ALUMINUM STOREFRONT

F. PROVIDE INTERNAL STEEL REINFORCEMENT TO WINDOW, STOREFRONT AND CURTAIN WALL SYSTEMS AS REQUIRED TO COMPLY WITH WIND LOADING OR OTHER DESIGN CRITERIA, OR AS RECOMMENDED BY MANUFACTURER,

G. ALUMINUM WINDOW, STOREFRONT AND CURTAIN WALL FRAME EXTRUSIONS ARE INTENDED AS GENERIC GRAPHIC REPRESENTATIONS ONLY.

Glazing Legend

HATCHED AREA INDICATES AREAS OF HCL-2 LAMINATED GLAZING

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

complex world | CLEAR SOLUTIONS

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

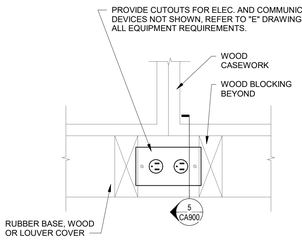
TETRA TECH
ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

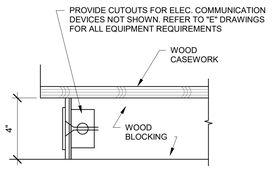
Reconstruction to:
Lakeland High School

Storefront Types and Details

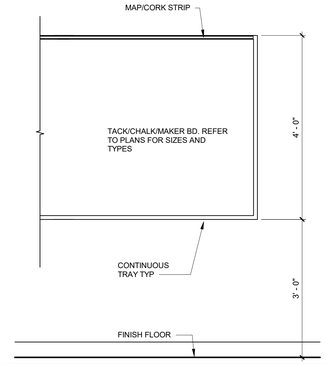
Drawn By:	Date:	Drawing Number:
ZV	10/13/2023	CA601
Project No.: 276721-23001		



4 Computer Counter Detail
3" = 1'-0"

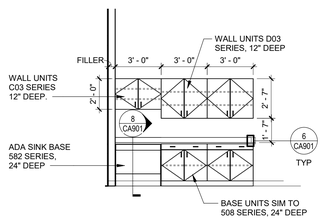


5 Computer Counter Detail
3" = 1'-0"

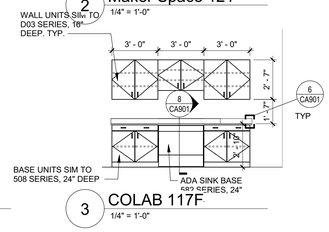


NOTE:
COORDINATE LOCATION OF BOARD UNITS WITH ELEC., OUTLETS, STROBE LIGHTS, CLOCKS, COMPUTERS, DATA OUTLETS, LIGHT SWITCHES, ETC. REFER TO PLANS FOR ACTUAL BOARD CONFIGURATIONS AND SIZES, TYP.

10 Typical Standard Mounting Height
3/4" = 1'-0"



2 Maker Space 121
1/4" = 1'-0"



3 COLAB 117F
1/4" = 1'-0"

LIBRARY SHELVING SCHEDULE

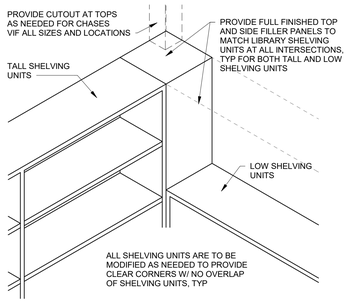
A	WORDEN	SHELVING - STARTER	36"W X 82 " H X 14" D	
B	WORDEN	SHELVING - ADDER	36"W X 82" H X 14" D	
C	WORDEN	SHELVING - ADDER	VERIFY - EACH LOCATION	MODIFY ARE REQUIRED
D	WORDEN	SHELVING -DOUBLE STARTER	36"W X 42" H X 24" D	PROVIDE WITH SOLID SURFACE TOPS - SEE DETAILS
E	WORDEN	SHELVING - DOUBLE ADDER	36"W X 42" H X 24" D	PROVIDE WITH SOLID SURFACE TOPS - SEE DETAILS
F	WORDEN	SHELVING - STARTER	36"W X 30" H X 14" D	PROVIDE WITH SOLID SURFACE TOPS - SEE DETAILS
G	WORDEN	SHELVING - ADDER	36"W X 30" H X 14" D	PROVIDE WITH SOLID SURFACE TOPS - SEE DETAILS

PROVIDE ADDITIONAL FILLER PANELS AT ALL LOCATIONS TO COMPLETE INSTALL - REFER TO PLANS, DETAILS AND NOTES.

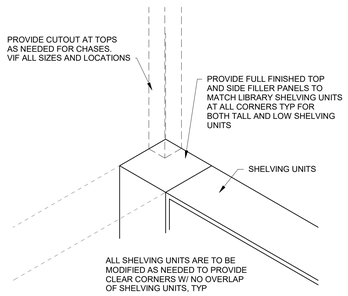
REFER TO DRAWING CA900 FOR LIBRARY SHELVING NOTES.

REFER TO DRAWING CA900 FOR SHELVING TOP DETAIL.

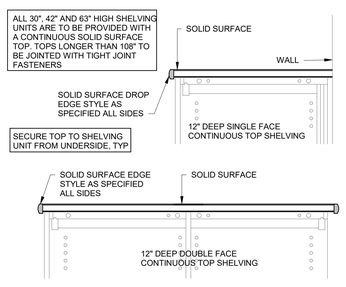
MODIFICATIONS TO SHELVING UNITS IS REQUIRED TO PROVIDE A COMPLETE INSTALLATION.



6 Typical Casework Designations
3/4" = 1'-0"



7 Typical Casework Designations
3/4" = 1'-0"



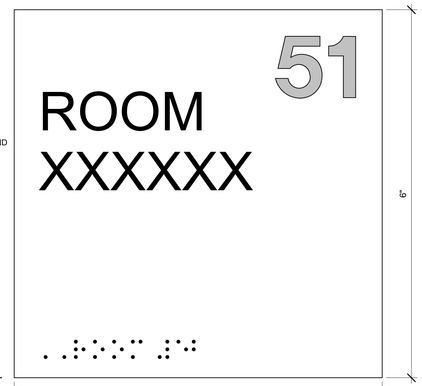
8 Typical Casework Designations
3/4" = 1'-0"

NON-GLARE SURFACE:

*TYPICAL FOR ENTIRE SIGN

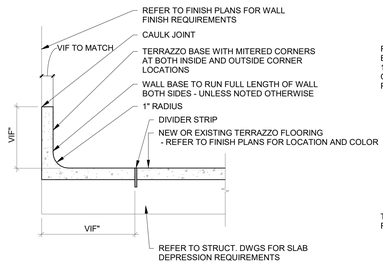
TACTILE CHARACTERS:

*5/8" MINIMUM CAP LETTER HEIGHT
*1" MINIMUM NUMBER HEIGHT
*RAISED 1/32" MINIMUM
*FULL CAPS
*SAN SERIF TYPE STYLE
*CHARACTERS MUST CONTRAST WITH BACKGROUND

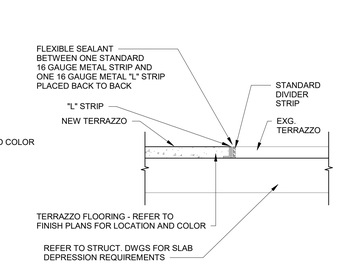


TYPE 5 - Typical Permanent Room Plaque

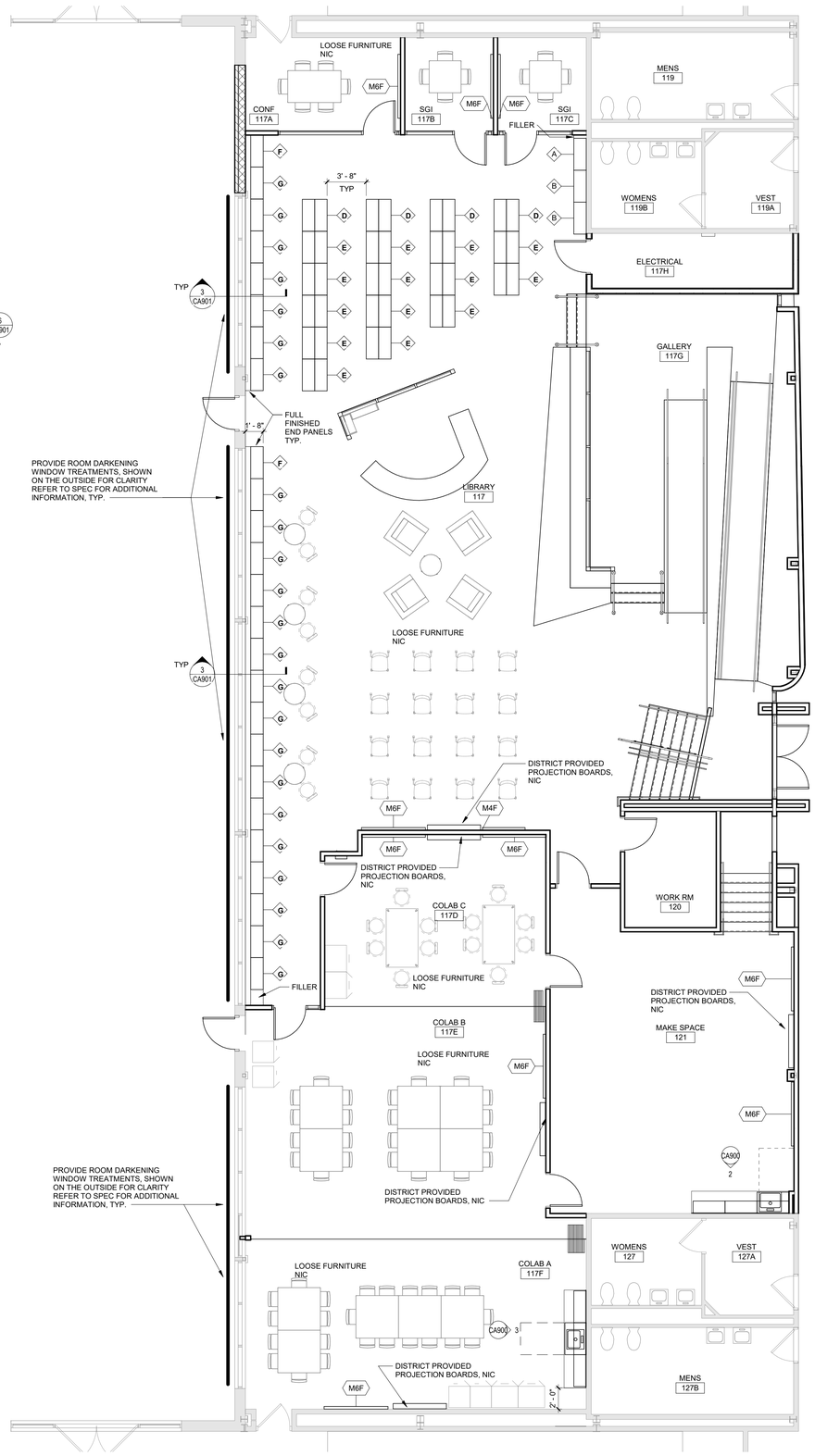
9 Typical Room Plaque
12" = 1'-0"



11 TYP. Terrazzo Base
3" = 1'-0"



12 TYP New to Existing Terrazzo
3" = 1'-0"



1 First Floor Plan - Area D
3/16" = 1'-0"

Board Unit Key

PROVIDE MARKER/CHALK/TACK BOARDS UNITS AS DESIGNATED ON PLANS BY SYMBOLS BELOW. SEE DETAIL 10/CA900 AND SPECIFICATION SECTIONS 10 11 00 FOR ADDITIONAL INFORMATION

- M6F 6'-0" L x 4'-0" H LIQUID CHALK BOARD - FIXED
- M8F 8'-0" L x 4'-0" H LIQUID CHALK BOARD - FIXED
- M4F 4'-0" L x 4'-0" H LIQUID CHALK BOARD - FIXED

General Library Notes

A. THE LIBRARY EQUIPMENT SHOWN ARE BASED ON WORDEN REFER TO THE PROJECT MANUAL, SECTION 12 56 51 FOR DETAILED SPECIFICATIONS.

B. ALL SHELVING UNITS, BOTH SINGLE AND DOUBLE ARE TO BE PROVIDE WITH WOOD END PANELS.

C. ALL LIBRARY SHELVING IS TO BE PROVIDED WITH CANOPY TOPS AS LISTED BELOW:

-ALL 30", 42" AND 63" HIGH SHELVING UNITS ARE TO BE PROVIDED WITH A CONTINUOUS SOLID SURFACE TOP WITH EDGE BAND TO MATCH DETAILS.

-ALL 82" AND 96" HIGH SHELVING UNITS ARE TO BE PROVIDED WITH A CANOPY WOOD TOP TO MATCH DETAILS.

-ALL SINGLE FACED SHELVING UNITS ARE TO BE FURNISHED AND INSTALLED WITH BACKS AS PER SPECIFICATIONS. SECURE ALL SINGLE FACED SHELVING TO WALLS.

D. PROVIDE SOLID HARDBOARD BACKS FOR ALL SHELVING UNITS UNLESS OTHERWISE NOTED. PROVIDE FINISHED BACK PANELS FOR DOUBLE FACE SHELVING UNITS UNO.

E. PROVIDE FINISHED FILLER PANELS BOTH VERTICAL AND HORIZONTAL ALL FILLER SIZE ARE TO VERIFIED IN FIELD.

F. ALL SHELVING UNITS ARE TO BE FIELD VERIFIED PRIOR TO FABRICATION, MODIFY UNITS AS REQUIRED, SEE DETAILS.

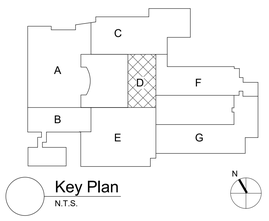
G. PROVIDE SHOP DRAWINGS SHOWING LAYOUTS OF ALL SHELVING, FURNITURE AND EQUIPMENT INCLUDING UV SHELVING UNITS SHOW DETAILS OF GRILLS, LOUVERS AND CHASES.

Window Treatment Key

INDICATES AREAS OF ROOM DARKENING SHADES

Window Treatment Notes

SHADE SIZES SHALL BE COORDINATED WITH WINDOWS, INCLUDING ALL RESCUE WINDOW REQUIREMENTS.



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

complex world | CLEAR SOLUTIONS

BID SET

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

TETRA TECH ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

Finish Plans, Elevations and Details

Drawn By:	Date:	Drawing Number:
MHH	10/13/2023	CA900
Project No.: 276721-23001		

General Finish Notes

ALL FINISH PRODUCTS ARE TO BE INSTALLED IN ACCORDANCE WITH CONTRACT SPECIFICATION AND MANUFACTURES INSTRUCTIONS. REFER TO SPECIFICATIONS AND FINISH DETAILS FOR ADDITIONAL INFORMATION ON INSTALLATION OF SPECIFIED MATERIALS.

A. ALL PAINTS FOR INTERIOR AND EXTERIOR ARE TO BE APPLIED IN ACCORDANCE WITH SPECIFICATION SECTION 09 91 00 AND 09 96 00.

B. ALL EXPOSED STRUCTURES, INCLUDING BUT NOT LIMITED TO PIPING AND FIREPROOFING, CONDUIT, AND ALL ASSOCIATED EQUIPMENT ARE TO BE PAINTED.

C. APPLY PAINT TO BOTH NEW AND EXISTING ITEMS IN ALL AREAS INDICATED WITH A FINISH BOX AND/OR NOTES - THESE ITEMS ARE INCLUDING BUT ARE NOT LIMITED TO:
- DOOR/FRAMES - BOTH SIDES GLAZING FRAMES IN DOOR/WALLS- BOTH SIDES, ALL ITEMS ARE TO BE ACCENT COLORS.

D. PATTERNS AND COLORS FOR FLOORS AND WALLS ARE TO BE ISSUED DURING THE CONSTRUCTION PHASE - INCLUDING ALL ACCENT LOCATIONS. SUBMIT SHOP DRAWINGS SHOWING DETAILED LAYOUTS OF EACH AREA, INCLUDING EDGES AND TRANSITIONS, ALL LAYOUTS ARE TO BE CENTERED IN EACH ROOM UNO - TYP ALL DRAWINGS. ABOVE REQUIREMENTS ARE TO INCLUDE BUT NOT LIMITED TO:
- CARPET
- VCT
- LVT
- RUBBER

E. FIELD AND ACCENT PAINT ARE ISSUED DURING THE CONSTRUCTION PHASE. CONTRACTOR IS TO ASSUME ALL FIELD AND ACCENT COLORS ARE DIFFERENT ROOM TO ROOM. AS WELL AS WITHIN EACH ROOM, REQUIREMENTS ARE TO INCLUDE BUT ARE NOT LIMITED TO:
- WALL, FIELD COLOR
- WALL, ACCENT COLOR
- CEILING CLOUDS, ACCENT COLOR
- SOFFITS, ACCENT COLOR
- DOOR AND WINDOW FRAMES, ACCENT COLOR
- EXPOSED COLUMNS, ACCENT COLOR
- EXPOSED DECKS, ACCENT COLOR
- EXPOSED JOISTS, ACCENT COLOR
- EXPOSED DUCTWORK, ACCENT COLOR

F. PROVIDE PAINT AT ALL NEW SOFFITS, REFER TO REFLECTIVE CEILING PLANS FOR ADDITIONAL LOCATIONS.

G. ALL EXPOSED BRICK, GROUND FACE BLOCK IS TO REMAIN UNPAINTED, UNO.

H. CONFIRM WITH OWNER AND ARCHITECT PRIOR TO PAINTING OVER MURALS ON EXISTING SURFACES.

I. PROVIDE PAINT AND RUBBER BASE AT ALL NEW CHASES, REFER TO NEW WORK PLANS FOR ADDITIONAL LOCATIONS.

J. REFER TO STRUCTURAL DRAWINGS FOR LOCATIONS OF SLAB DEPRESSIONS. REFER TO FINISH MATERIAL SPECIFICATION SECTIONS FOR SLAB DEPRESSION DEPTH REQUIREMENTS.

K. CARPET IS TO RUN WALL TO WALL. UNDER ALL FURNITURE, MOVEABLE EQUIPMENT AND LIBRARY SHELVING UNITS, INCLUDING ALL UNITS AT THE PERIMETER WALLS.

L. FOR ALL RENOVATED AREAS REQUIRING FINISH WORK REMOVE, PROTECT AND REINSTALL MOVABLE EQUIPMENT INCLUDING BUT NOT LIMITED TO: BOARD UNITS, LOCKERS GYM EQUIPMENT, SHADES/BLINDS, BOOKCASES ETC. REINSTALL IN ORIGINAL LOCATION, OR AS NOTED ON DRAWINGS, COORDINATE WITH OWNER. REFER TO SPEC SECTION O1 23 00 ALTERATION PROJECT PROCEDURES FOR MORE INFORMATION.

M. FIELD VERIFY ALL CONTROL JOINTS LOCATIONS IN CONCRETE SLAB. LOCATE CONTROL JOINTS IN EXG/NEW FLOOR FINISH MATERIAL DIRECTLY ABOVE SLAB JOINTS OR AS RECOMMENDED BY FLOORING MATERIAL MANUFACTURER.
- AT NEW SLABS REFER TO STRUCTURAL DRAWINGS FOR SLAB CONTROL JOINT LOCATIONS.
- AT EXISTING SLABS, FIELD VERIFY LOCATIONS OF EXISTING SLAB CONTROL JOINTS.
- REFER TO FINISH DRAWINGS AND SPECIFICATIONS FOR NEW FLOOR MATERIALS.
COORDINATE FLOOR PATTERNS WITH CONTROL JOINT PRIOR TO SUBMISSION OF REQUIRED FLOOR PATTERN DRAWINGS.

N. INSTALLER IS TO FIELD VERIFY ALL EXG AND NEW FLOOR DRAIN LOCATIONS IN ALL EXG AND NEW SLABS AS PART OF THIS PROJECT.
* REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR DEMO AREAS AND REQUIREMENTS.
* REFER TO PLUMBING DRAWINGS FOR EXG AND NEW FLOOR DRAIN LOCATIONS.
* REFER TO STRUCTURAL DRAWINGS FOR LOCATIONS OF SLAB DEPRESSIONS.
* REFER TO FINISH DRAWINGS FOR LOCATIONS OF NEW FLOOR FINISH MATERIALS AND FLOORING SLOPE.
* REFER TO FINISH MATERIAL SPECIFICATION SECTIONS FOR SLAB DEPRESSION DEPTH REQUIREMENTS.

O. PROVIDE ALL FINISHES AS INDICATED BY ROOM FINISH BOX AND/OR AS NOTED ON DRAWINGS.

Room Finish Key

C1	CARPET - TYPE 1
LVT1	LUXURY VINYL TILE1
LVT2	LUXURY VINYL TILE 2
LVT3	LUXURY VINYL TILE 3
MCS	MOISTURE CONTROL SYSTEM (SPEC 03 54 15)
N	NO WORK REQUIRED
P	PAINT SURFACE(S) INCLUDING SOFFITS
RF1	RUBBER FLOORING - TYPE 1
RS	RUBBER STAIR TREAD AND RISERS
RB	RUBBER BASE
T1	TERRAZZO TYPE 1
TB	TERRAZZO BASE
VCT1	VINYL COMPOSITION TILE - TYPE 1
*	SEE REFLECTED CEILING PLAN
	INDICATED CHANGE IN FLOOR FINISH
NOTE:	ALL FINISHES LISTED MAY NOT BE REQUIRED FOR THIS PROJECT.

FINISHES SHOWN IN ROOM FINISH BOX ARE FOR ALL WALLS AND ENTIRE FLOOR AND CEILING REFER TO EACH ROOM FOR MORE INFORMATION.

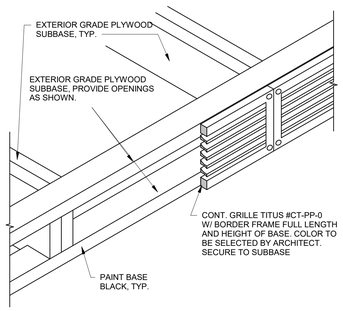
RM#	
CLG*	WALL
FLR	BASE

Window Treatment Key

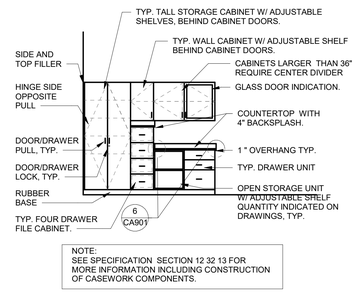
INDICATES AREAS OF ROOM DARKENING SHADES

Window Treatment Notes

SHADE SIZES SHALL BE COORDINATED WITH WINDOWS, INCLUDING ALL RESCUE WINDOW REQUIREMENTS.



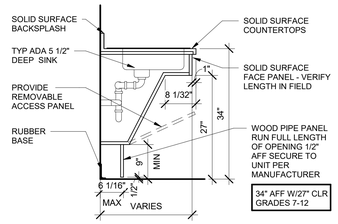
7 Base/ Grille Detail
3" = 1'-0"



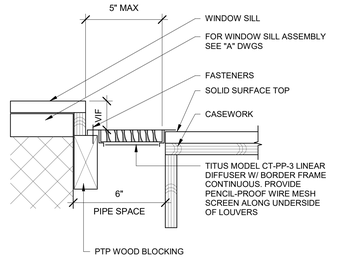
NOTE:
SEE SPECIFICATION SECTION 12 32 13 FOR MORE INFORMATION INCLUDING CONSTRUCTION OF CASEWORK COMPONENTS.

2 Typical Casework Designations
1/4" = 1'-0"

COORDINATE ALL SINK SIZES WITH CONTRACTOR RESPONSIBLE FOR SINK AND INSTALLATION.



8 ADA Sink Base - Double Sink
3/4" = 1'-0"



NOTE: RUBBER BASE TO COVER PLYWOOD SUB-BASE IN AREAS WHERE NO LOUVER EXISTS

3 Casework/ Fin Tube Sections
1" = 1'-0"

NOTE:
REFER TO SPECIFICATIONS FOR TRANSITION AND TYPES
REFER TO FINISH PLANS FOR ALL LOCATIONS, TYPICAL.
THRESHOLD TO MEET ALL ADA CRITERIA
RATED DOOR UNDERCUT DISTANCE TO MEET REQUIRED NFPA CRITERIA

4 Grille Detail
3" = 1'-0"

9 Threshold Detail
6" = 1'-0"

NOTE:
REFER TO SPECIFICATIONS FOR TRANSITION TYPES.
REFER TO FINISH PLANS FOR ALL LOCATIONS, TYPICAL .
THRESHOLD TO MEET ALL ADA CRITERIA
RATED DOOR UNDERCUT DISTANCE TO MEET REQUIRED NFPA CRITERIA.

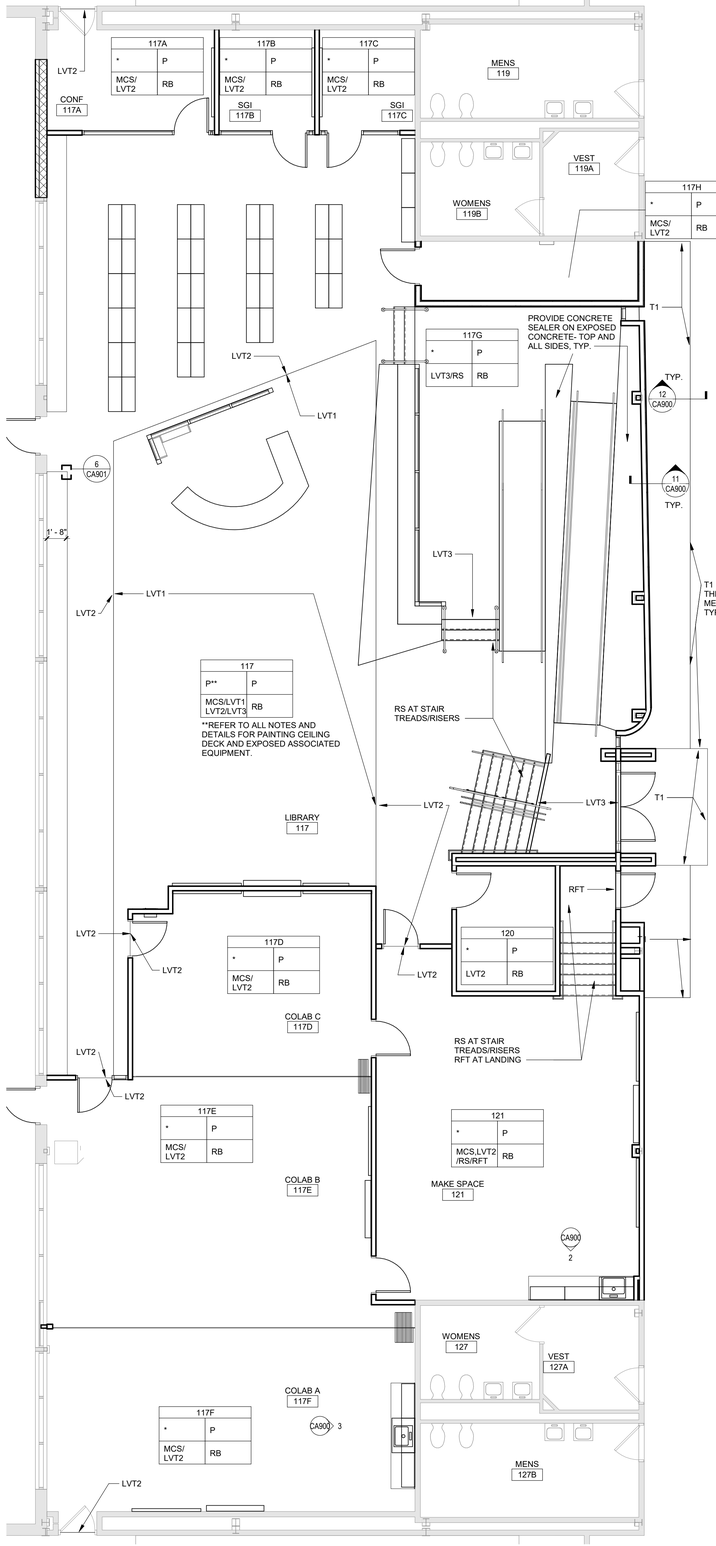
5 Base Detail
3" = 1'-0"

10 Threshold Detail
6" = 1'-0"

NOTE:
REFER TO SPECIFICATIONS FOR TRANSITION TYPES.
REFER TO FINISH PLANS FOR ALL LOCATIONS, TYPICAL .
THRESHOLD TO MEET ALL ADA CRITERIA
RATED DOOR UNDERCUT DISTANCE TO MEET REQUIRED NFPA CRITERIA.

11 TYP Threshold Detail - LVT to VCT
6" = 1'-0"

6 Solid Surface Countertop Edge Detail
3" = 1'-0"



1 First Floor Plan - Area D Finish Plans
3/16" = 1'-0"

General Wood Casework Notes

FOR ALL CONTRACTOR RESPONSIBILITIES REFER TO SPECIFICATION SECTION 01 10 00/01 12 00.

A. THE CASEWORK SHOWN ON THE DRAWINGS IS BASED ON DIVERSIFIED WOOD CASEWORK, REFER TO THE PROJECT MANUAL, SECTION 12 32 13 FOR DETAILED SPECIFICATIONS.

B. ALL STANDARD CASEWORK DIMENSIONS TO BE MODIFIED TO CORRESPOND WITH THE DIMENSIONS NOTED ON THE DRAWINGS. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF CABINETS

C. MODEL NUMBERS LISTED ON DRAWINGS APPLY TO ELEVATIONS SHOWN. PROVIDE OPPOSITE HAND MODELS WHERE SHOWN.

D. PROVIDE FULL DEPTH SHELVES AT BASE, WALL AND TALL CABINETS, UNLESS NOTED OTHERWISE.

E. BASE AND TALL CABINETS ARE 24 INCHES DEEP. U.N.O. WALL CABINETS ARE 14 INCHES DEEP, UNO BASE CABINET DEPTH DOES NOT INCLUDE 1" COUNTERTOP OVERHANG, TYP.

F. PROVIDE FINISHED ENDS, BACK EXTENSIONS, SCRIBES AND FINISHED FILLER PANELS ON ALL CABINETS. FILLER PANELS ARE NOT TO EXCEED 3" WIDE, UNLESS NOTED OTHERWISE. PROVIDE TOP AND BOTTOM FILLER PANELS AT ALL BASE & WALL UNITS. SUBMIT SHOP DRAWINGS SHOWING DETAILS OF THESE CONDITIONS.

G. ALL COUNTERTOPS TO BE SOLID SURFACE UNLESS NOTED OTHERWISE. BACKSPLASHES TO BE 4" HIGH, TYP. DO NOT PROVIDE BACKSPLASHES AT OUTSIDE WALL UNLESS NOTED/OTHERWISE. PROVIDE CAULK AT ALL JOINT LOCATIONS, TYP.

H. RADIUS COUNTERTOPS AT NON MARINE EDGE OF EPOXY COUNTERTOPS ENDS MEETING TALL SHELVING UNITS WITH A DEPTH LESS THAN COUNTERTOP DEPTH. RADIUS TO BE 1-1/2" UNLESS NOTED OTHERWISE. REFER TO DETAIL.

I. PROVIDE COUNTERTOP CUT-OUTS FOR SINK , FAUCETS,ECT. COORDINATE WITH ALL REQUIRED CONTRACTORS.

J. PROVIDE CUTS AT ALL CONDITIONS THAT INTERFERE WITH COUNTERTOPS/CABINETS: SCRIBE TO FIT.

K. PROVIDE SHOP DRAWINGS SHOWING LOCATIONS AND DETAILS FOR ALL GRILLES, LOUVERS, REMOVABLE PANELS, VALVE LOCATIONS ECT. ASSOCIATED WITH CASEWORK COORDINATE WITH ALL REQUIRED CONTRACTORS.

L. PROVIDE CABINETS WITH FINISHED SIDES, INCLUDING BUT NOT LIMITED TO, LOCATIONS OF ADJACENT CABINETS OR EQUIPMENT WITH A DEPTH LESS THAN CABINET OR EQUIPMENT.

M. PROVIDE ALL STANDARD FEATURES OF CASEWORK UNITS AS INDICATED BY MODEL NUMBER OR AS SHOWN ON PLANS, DETAILS AND ELEVATIONS, INCLUDED BUT NOT LIMITED TO: OUTLETS, SWITCHES, LIGHTS ETC.

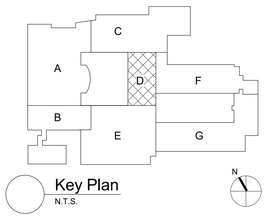
N. PROVIDE BLOCKING AT NEW AND EXISTING GYPSUM BOARD WALLS PER MANUFACTURER RECOMMENDATIONS FOR SUPPORT OF WALL /TALL MOUNTED UNITS. REFER TO SPECIFICATION SECTION 06 10 00 FOR WOOD BLOCKING RESPONSIBILITIES.

O. PROVIDE LOCKS AT ALL CASEWORK DOORS/DRAWERS AND FILE UNITS TYP.

P. PROVIDE AS NOTED ON DRAWINGS AND DETAILS: 2" GROMMETS AT OPEN BASE COUNTERS 30"/36" OC, WIRE MANAGEMENT, KEY BOARD TRAYS AND CABLE TRAYS.

Q. PROVIDE ALL CUTOUTS AS SHOWN ON CASEWORK PLANS AND ELEVATIONS OR AS REQUIRED. CUTOUTS ARE TO INCLUDE BUT NOT LIMITED TO: ALL ELEC BOXES, OUTLETS, AND ASSOCIATED WIRING AND FINAL HOOK-UP.

R. REFER TO BOTH 1/8" AND 1/4" PLANS FOR LAYOUTS.



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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BID SET

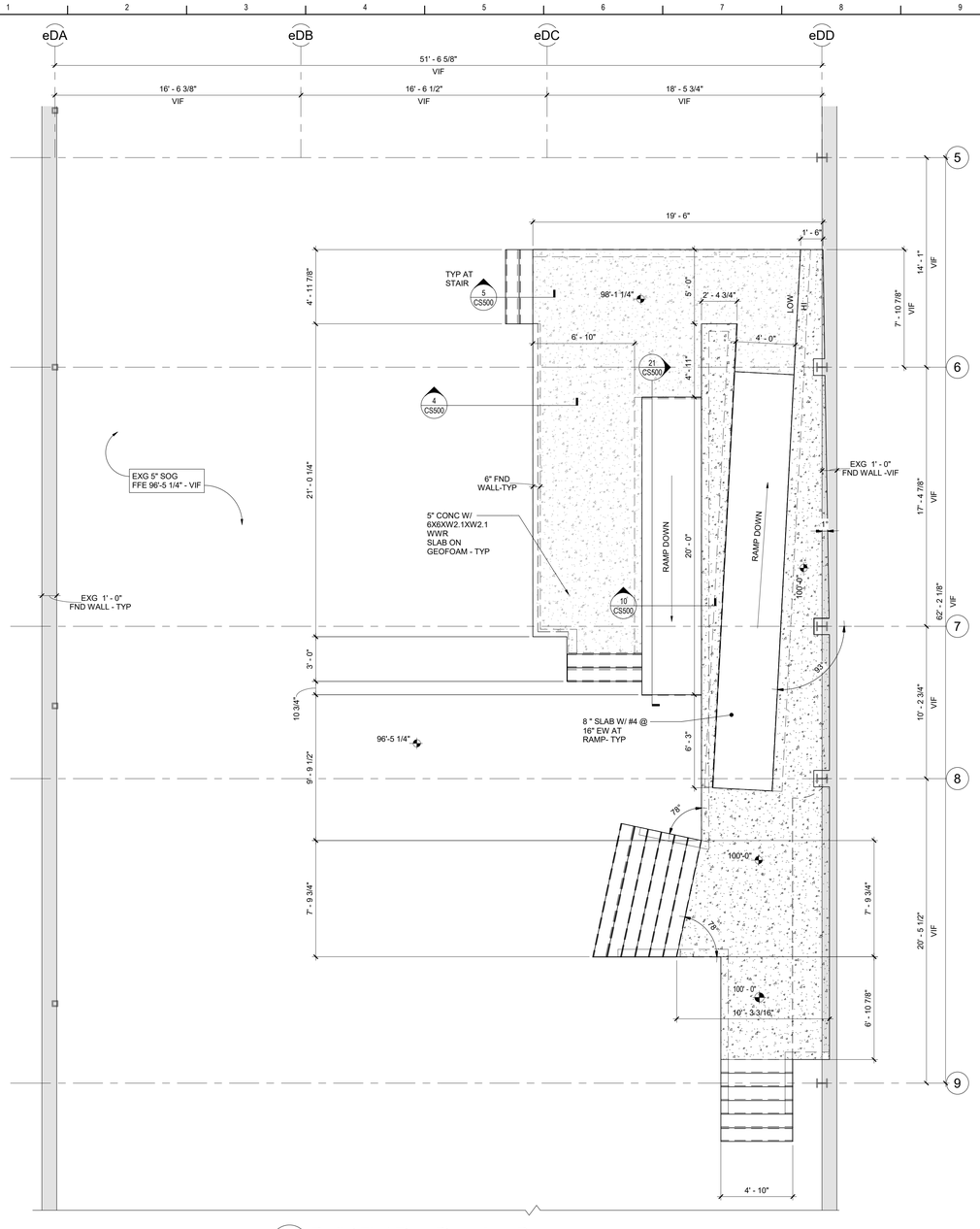
TETRA TECH
ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

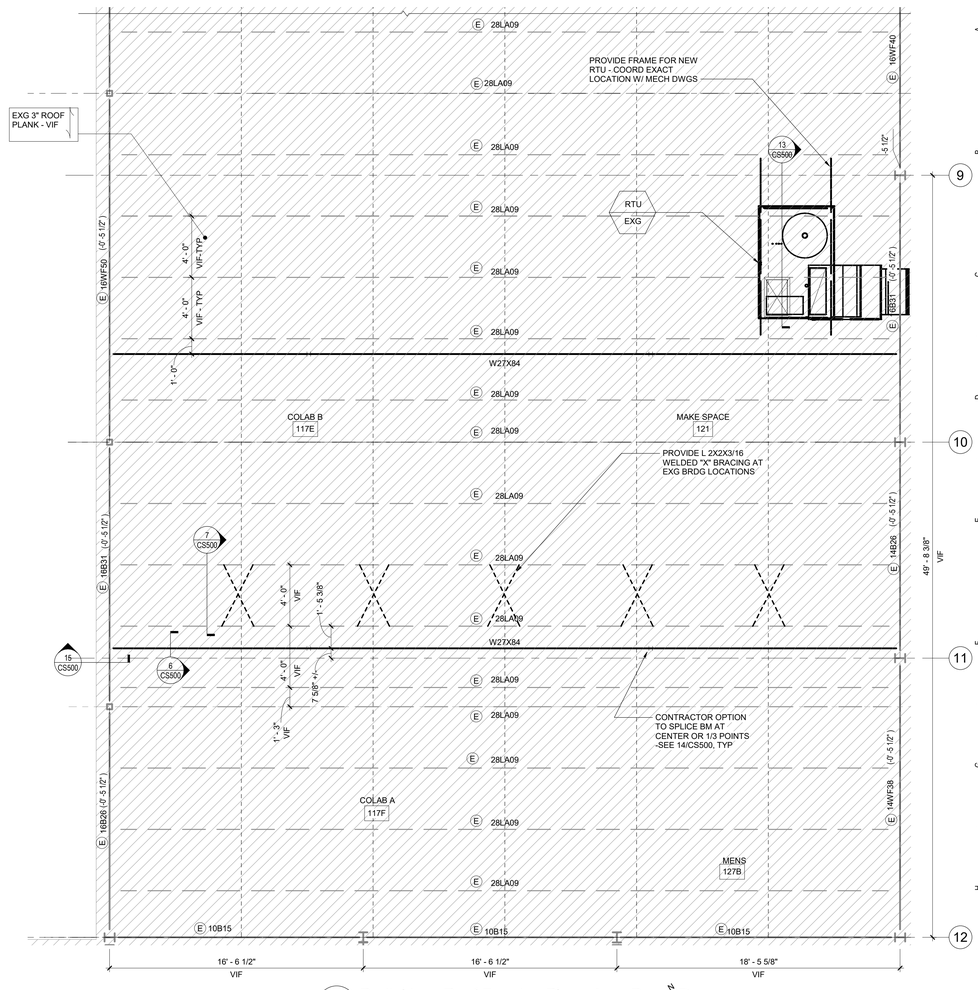
Reconstruction to:
Lakeland High School

First Floor Area D Finish Plans

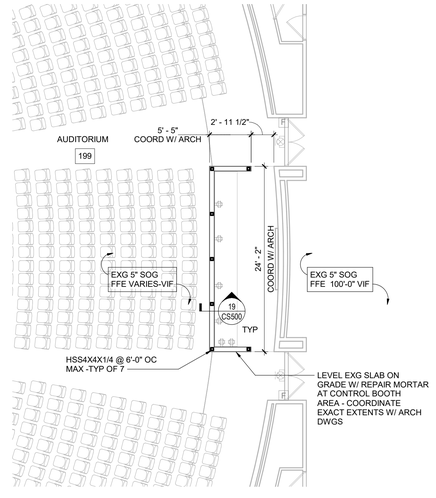
Drawn By:	Date:	Drawing Number:
MHH	10/13/2023	CA901
Project No.: 276721-23001		



3 Partial First Floor Plan - Area D
1/4" = 1'-0"



1 Partial Low Roof Framing Plan - Area D
1/4" = 1'-0"
DATUM AT EXISTING TOP OF STEEL IS AT 110'-8 1/2"



2 Partial First Floor Framing Plan-Area C
1/8" = 1'-0"

General Notes:

A. DIMENSIONS AND ELEVATIONS SHOWN ON PLAN AS PLUS/MINUS (+/-) AND VIF ARE TO BE CONSIDERED APPROXIMATE. EXACT VALUES FOR ALL (+/-) AND VIF DIMENSIONS ARE TO BE DETERMINED BY THE CONTRACTOR IN THE FIELD THROUGH A PRELIMINARY BUILDING LAYOUT CONTRACTOR TO VERIFY EXISTING DIMENSIONS, ELEVATIONS AND CONDITIONS AND NOTIFY A/E OF ANY DISCREPANCIES PRIOR TO COMMENCING WORK. COORDINATE INFORMATION WITH OTHER TRADES.

B. REFER TO SHEET CS500 FOR GENERAL NOTES AND LINTEL SCHEDULE.

C. REFER TO SHEET CS500 FOR TYPICAL DETAILS.

D. PROVIDE ALL ROOF AND FLOOR OPENING FRAMES PER DIV 05 SPEC. COORDINATE QUANTITIES, LOCATION, AND SIZE OF OPENINGS WITH OTHERS AND MECH, PLBG, AND ARCH DWGS.

Structural Loads:

A. FLOOR LIVE LOADS PER BCNYS 1607

OCCUPANCY OR USE	UNIFORM	CONCENTRATED
FIRST FLOOR CORRIDORS	100 PSF	1000 LBS
LIBRARY		
READING ROOMS	60 PSF	1000 LBS
STACK ROOMS	150 PSF	1000 LBS
(WITH LIMITATIONS PER TABLE 1607.1 NOTE b.)		

REDUCTION IN LIVE LOADS HAS BEEN APPLIED WHERE PERMITTED PER 1607.11

B. ROOF LIVE LOADS PER BCNYS 1607.13

MINIMUM ROOF LIVE LOAD	20 PSF

C. RAIN LOADS PER BCNYS 1611

RAIN INTENSITY, I	2.75 IN/HR

RAIN SURCHARGE LOAD HAS BEEN APPLIED TO AREAS WHERE PONDING OCCURS IN ACCORDANCE WITH BCNYS 1611.1.

D. SNOW LOADS PER BCNYS 1608

GROUND SNOW, P_g (FIGURE 1608.2)	30 PSF
FLAT ROOF SNOW LOAD, P_f (ASCE 7)	23.1 PSF
SNOW EXPOSURE FACTOR, C_e	1.0
THERMAL FACTOR, C_t	1.0
SLOPE FACTOR, C	1.0
SNOW LOAD IMPORTANCE FACTOR, I_S	1.1

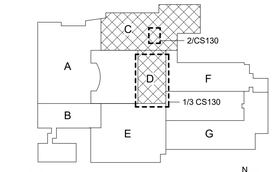
ADDITIONAL SNOW LOADS HAVE BEEN APPLIED TO AREAS WHERE DRIFTING OCCURS IN ACCORDANCE WITH BCNYS 1608.

E. WIND LOAD DESIGN CRITERIA PER BCNYS 1609

BASIC DESIGN WIND SPEED (3 SECOND GUST), V	122 MPH
ALLOWABLE STRESS DESIGN WIND SPEED, V_{asd}	94.5 MPH
RISK CATEGORY	I I I
EXPOSURE CATEGORY	B
INTERNAL PRESSURE COEFFICIENT, GCPi	+/- 0.18

F. SEISMIC DESIGN CRITERIA PER BCNYS 1613

RISK CATEGORY	I I I
SEISMIC IMPORTANCE FACTOR, I_e	1.25
MAPPED SPECTRAL RESPONSE ACCELERATION	
AT SHORT PERIODS, S_S	0.273%g
AT 1 SECOND PERIODS, S_1	0.06 %g
SITE CLASS	D (DEFAULT)
DESIGN SPECTRAL RESPONSE ACCELERATION	
AT SHORT PERIODS, S_{DS}	0.288 %g
AT 1 SECOND PERIODS, S_{D1}	0.096 %g
SEISMIC DESIGN CATEGORY	B



S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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BID SET

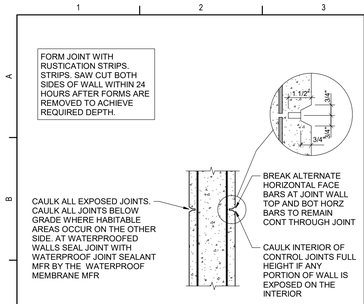
TETRA TECH
ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

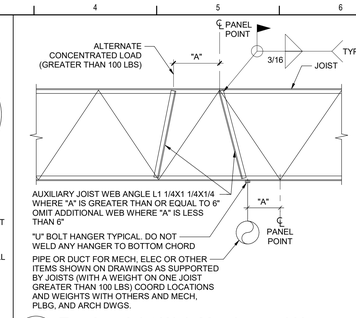
Reconstruction to:
Lakeland High School

Partial First Floor and Roof Framing Plans - Area D

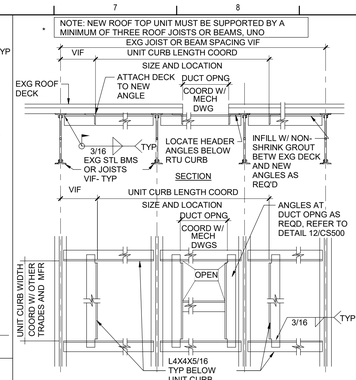
Drawn By:	Date:	Drawing Number:
NDC/kjr	10/13/2023	CS130
Project No.: 276721-23001		



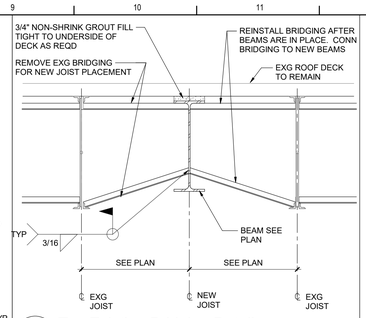
20 Typical Vertical Control Joint
3/4" = 1'-0"



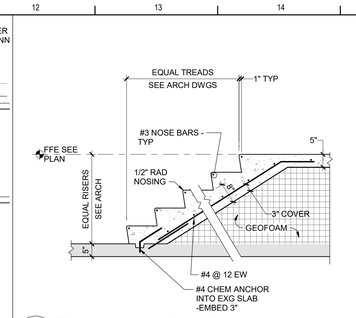
16 Typ Aux Joist Web Member and Hanger
3/4" = 1'-0"



13 Typ Roof Frame at Exg for New RTUs
3/4" = 1'-0"



9 Typ Existing Bridging Detail
1" = 1'-0"



5 Typical Interior Stair Section
1/2" = 1'-0"

1. FOR 4" THICK WALLS

MASONRY OPENING	LINTEL ANGLE
UP TO 6'-4"	MT 6X5.9

2. FOR 6" THICK WALLS

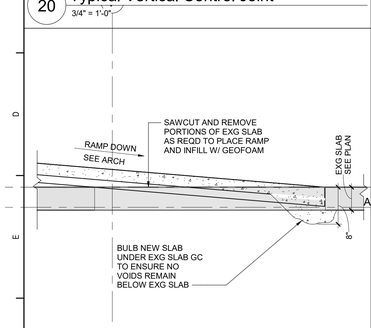
MASONRY OPENING (≤)	LINTEL ANGLE
5'-0"	2- L3 1/2X2 1/2X5/16
6'-0"	2- L3X2 1/2X5/16 LLV
7'-0"	2- L3 1/2X2 1/2X5/16 LLV
8'-0"	2- L3 1/2X2 1/2X5/16 LLV

3. FOR 8", 12", AND 16" THICK WALLS: FOR EACH 4" THICKNESS OF WALL

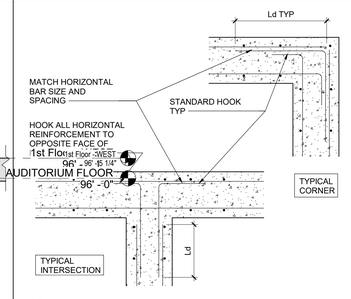
MASONRY OPENING (≤)	LINTEL ANGLE
5'-0"	L3 1/2X3 1/2X5/16
6'-0"	L4X3 1/2X 5/16 LLV
7'-0"	L5X3 1/2X5/16 LLV
8'-0"	L5X3 1/2X5/16 LLV
9'-0"	L6X3 1/2X5/16 LLV
10'-0"	L6X3 1/2X5/16 LLV

LINTEL NOTES
1. ALL OPENINGS 1'-0" AND OVER REQUIRE LINTELS.
2. STEEL TO BE A36.
3. THIS SCHEDULE IS TYPICAL FOR ALL MASONRY OPENINGS IN NON-LOAD BEARING WALLS UNLESS OTHERWISE NOTED.
4. ALL LINTELS TO HAVE MINIMUM 8" BEARING BOTH ENDS.
5. BACK TO BACK ANGLES ARE TO BE STITCH WELDED TOGETHER BEFORE PLACEMENT.
6. ALL LINTELS ARE TO HAVE BOTH ENDS BEAR ON SOLID MASONRY OR SOLIDLY GROUTED HOLLOW MASONRY.
7. WHERE MINIMUM 8" BEARING LENGTH CANNOT BE PROVIDED DUE TO COLUMN INTERFERENCE, PROVIDE CONNECTION OF LINTEL TO COLUMN.
8. THIS LINTEL SCHEDULE IS APPLICABLE FOR USE IN EXISTING BUILDING. SHORE EXISTING STRUCTURE AND WALL AS REQD FOR INSTALLATION OF NEW MAS AND LINTEL. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS.

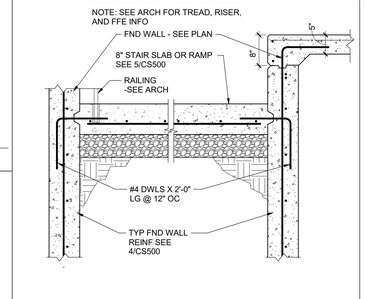
1 Lintel Schedule
12" = 1'-0"



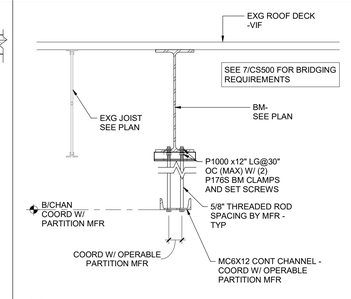
21 Ramp Slab at Exg
3/4" = 1'-0"



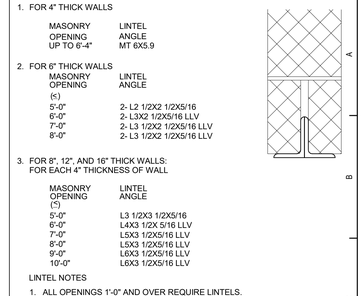
17 Typ Reinf at Corner and Intersecting
3/4" = 1'-0"



10 Typical Section at Interior Stair/Ramp
3/4" = 1'-0"



6 Section at Operable Partition
3/4" = 1'-0"



L-1

LINTELS TO BEAR 8" EACH END ON SOLID MASONRY, TYP UNO.

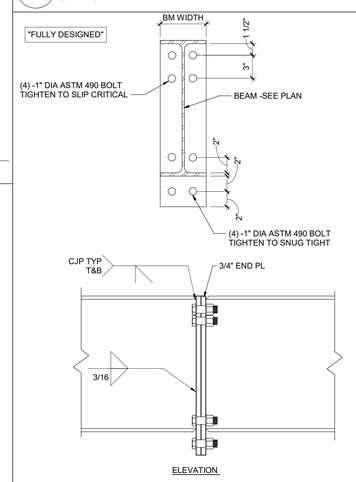
2 Lintel Detail
3/4" = 1'-0"

UNLESS NOTED OTHERWISE, BEAM TO COLUMN AND BEAM TO GIRDER CONNECTIONS SHALL BE SIMPLE SHEAR CONNECTIONS UTILIZING FULLY PRETENSIONED HIGH-STRENGTH BOLTS IN BEARING-TYPE CONNECTIONS WITH THREADS INCLUDED IN THE SHEAR PLANE. DESIGN CHANNEL AND TUBE MEMBERS FOR THE SAME LOAD AS THE SAME DEPTH IN W SHAPE. THE CAPACITIES SHALL BE AS SHOWN BELOW, UNLESS OTHERWISE NOTED ON PLAN.

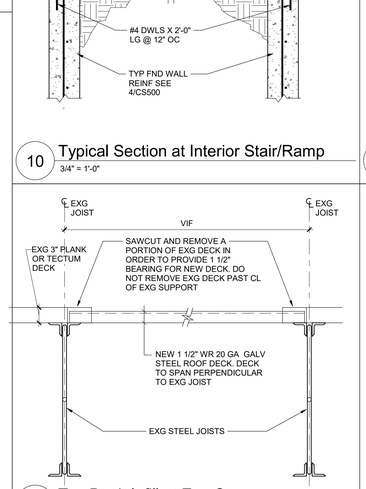
MINIMUM SHEAR CAPACITY SCHEDULE
(FACTORED LOADS USING LRFD)

W8	10KIPS	W24	80KIPS
W10	15KIPS	W27	100KIPS
W12	20KIPS	W30	120KIPS
W14	30KIPS	W33	140KIPS
W16	40KIPS	W36	180KIPS
W18	50KIPS	W40	220KIPS
W21	60KIPS	W44	260KIPS

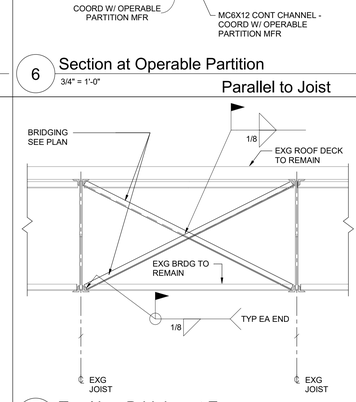
18 Beam Connection Schedule
1/2" = 1'-0"



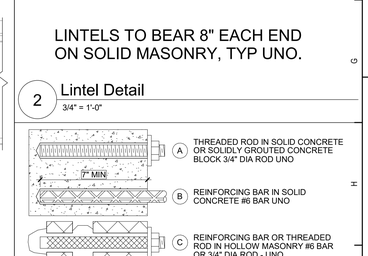
14 Beam Splice Detail
1 1/2" = 1'-0"



11 Typ Deck Infill at Exg Opng
1 1/2" = 1'-0"



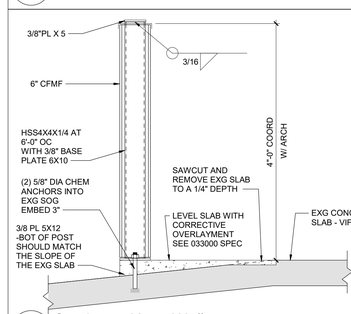
7 Typ New Bridging at Exg
1" = 1'-0"



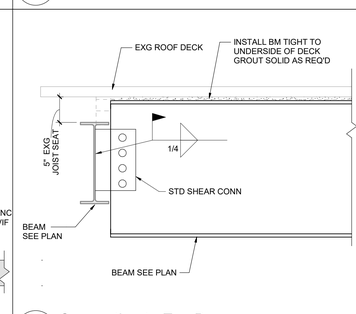
BAR/ROD SIZE	EMBEDMENT DEPTH
#4 OR 1/2"	5"
#5 OR 5/8"	6"
#6 OR 3/4"	7"
#7 OR 7/8"	8"
#8 OR 1"	9"

GENERAL NOTES
1. FOR ACCEPTABLE ADHESIVE PRODUCTS REFER TO SPECIFICATIONS.
2. COMPLY WITH MANUFACTURERS REQUIREMENTS FOR INSTALLATION.

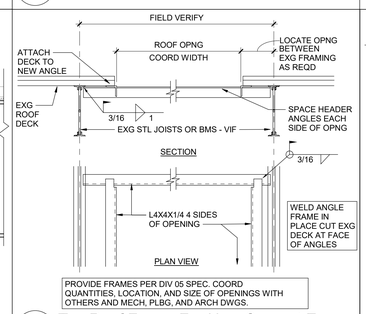
3 Typ Chemical Anchors
3" = 1'-0"



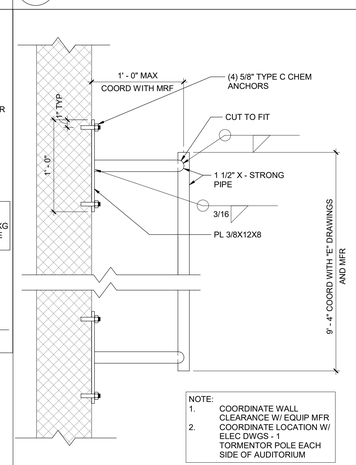
19 Section at Knee Wall
1" = 1'-0"



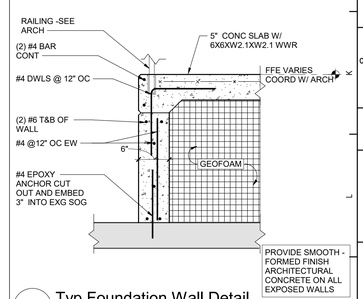
15 Connection to Exg Bm
1" = 1'-0"



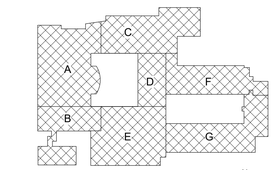
12 Typ Roof Frame For New Opng at Exg
3/4" = 1'-0"



8 Auditorium Tormentor Mounting
1 1/2" = 1'-0"



4 Typ Foundation Wall Detail
1" = 1'-0"



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-011-023

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BID SET

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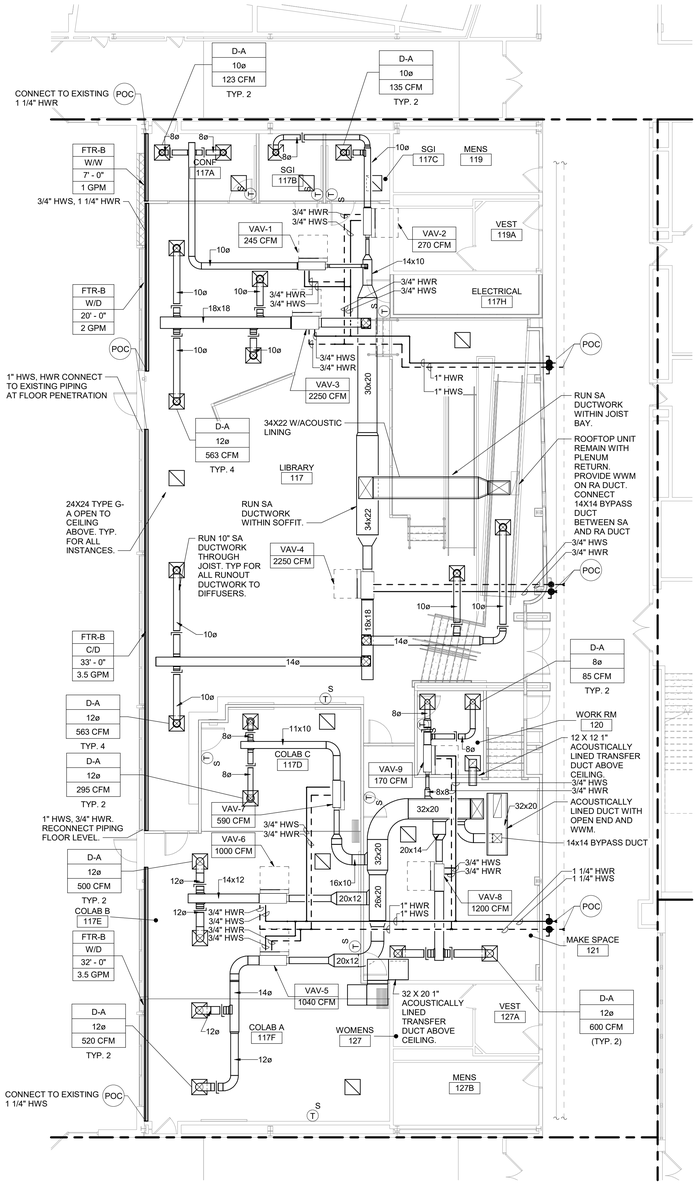
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

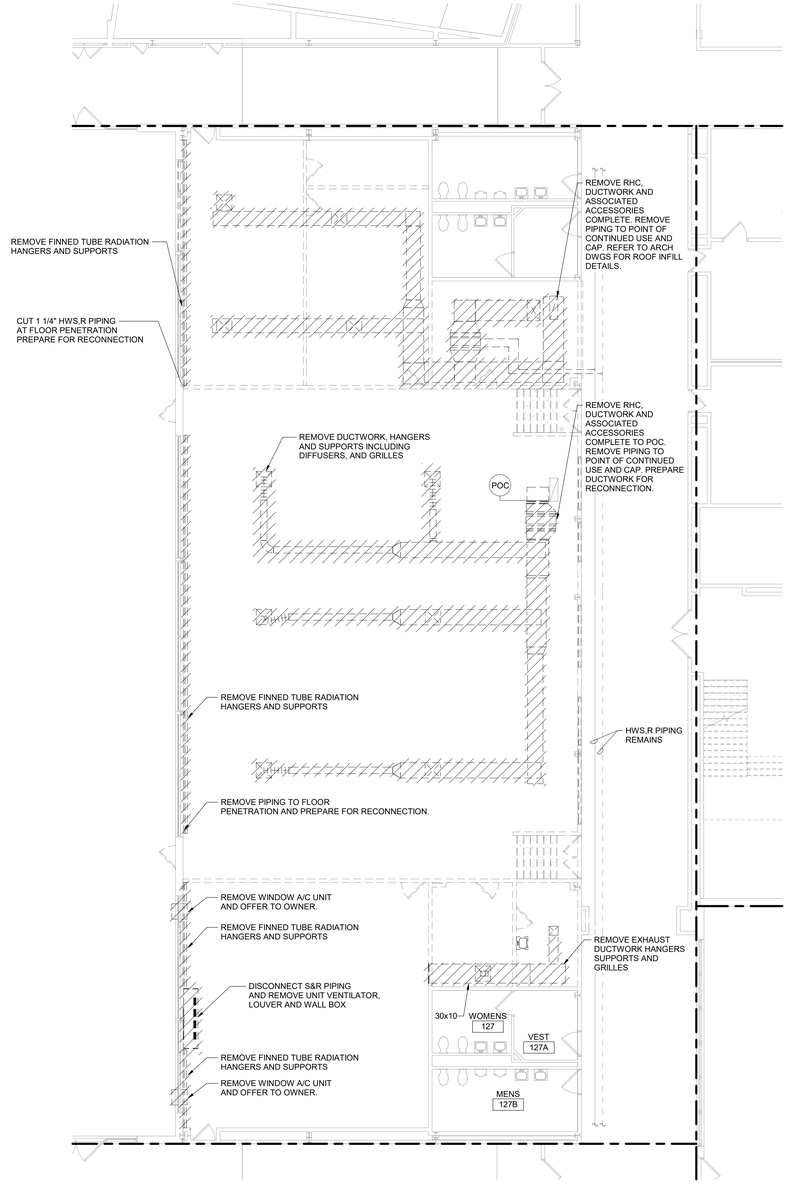
Typical Details

Drawn By:	Date:	Drawing Number:
NDC/kjr	10/13/2023	CS500

Project No.: 276721-23001



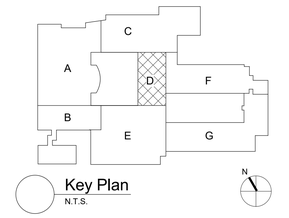
2 First Floor Plan - Area D
1/8" = 1'-0"



1 First Floor Demolition Plan - Area D
1/8" = 1'-0"

GENERAL NOTES:

1. THE FOLLOWING GENERAL NOTES APPLY TO ALL "CM" SERIES DRAWINGS.
2. REFER TO ALL CONTRACT DOCUMENTS; DRAWINGS AND SPECIFICATIONS, FOR DETAILED STANDARDS AND REQUIREMENTS.
3. REPORT UNSAFE OR UNSATISFACTORY CONDITIONS IN WRITING TO ARCHITECT AND RESOLVE ISSUES BEFORE PROCEEDING.
4. WORK INCLUDES ALL LABOR AND MATERIALS REQUIRED TO PROVIDE COMPLETE WORKING SYSTEMS.
5. COORDINATE PHASING REQUIREMENTS AT JOB MEETINGS AND ON WORK SCHEDULES.
6. DO NOT SCALE DRAWINGS. PIPING AND DUCTWORK ARE SHOWN DIAGRAMMATICALLY. IT IS NOT POSSIBLE TO SHOW EVERY TRANSITION, FITTING, ASPECT RATIO CHANGE, ETC.; PROVIDE AS REQUIRED TO FIT WITHIN STRUCTURAL CONSTRAINTS. EXAMINE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND VERIFY ALL ACCESS, LOCATIONS, DIMENSIONS, ARRANGEMENTS, ELECTRICAL CHARACTERISTICS AND INTERFERENCE IN THE FIELD PRIOR TO BID.
7. VERIFY EXTENT OF CEILING WORK SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS. PROVIDE FOR ADDITIONAL CEILING SYSTEM REMOVAL, PROTECTION, AND REINSTALLATION AS REQUIRED FOR CONTRACT WORK.
8. DEMOLITION DRAWINGS SHOW THE GENERAL SCOPE OF ITEMS AND SYSTEMS TO BE REMOVED. IT IS NOT THE INTENT TO SHOW ALL ITEMS TO BE REMOVED. FIELD VERIFY AND REMOVE ALL ASSOCIATED ITEMS BACK TO POINT OF CONTINUED SERVICE, UNLESS OTHERWISE NOTED. VERIFY WHAT ALL EQUIPMENT SERVES PRIOR TO REMOVAL.
9. GIVE ALL REMOVED EQUIPMENT TO THE OWNER. DELIVER ON SITE WHERE DESIGNATED BY THE OWNER. PROMPTLY REMOVE FROM THE SITE AND LEGALLY DISPOSE OF ANY SUCH ITEMS DECLINED BY OWNERS.
10. IF UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL CONFLICTS ARE ENCOUNTERED, INVESTIGATE AND REPORT BOTH NATURE AND EXTENT OF THE CONFLICT. RE-ROUTE WORK AS REQUIRED.
11. CUT, DRILL, OR OTHERWISE CREATE OPENINGS AS NEATLY AS POSSIBLE, AS REQUIRED FOR THE INDICATED CONTRACT WORK. PROVIDE SUPPORT AS REQUIRED FOR AND USE METHODS LEAST LIKELY TO DAMAGE ELEMENTS TO REMAIN. PRIOR TO WORK, VERIFY LOCATIONS OF ALL STRUCTURAL MEMBERS INCLUDING CROSS BRACING, ELECTRICAL WIRING, PLUMBING, ETC. PROMPTLY NOTIFY ARCHITECT OF ANY CONFLICTS; DO NOT CUT ANY STRUCTURAL MEMBERS OR OTHER SERVICES UNTIL SPECIFICALLY DIRECTED TO DO SO, PENDING RECEIPT OF DIRECTIVE, REARRANGE SCHEDULE AS NECESSARY TO CONTINUE OVERALL JOB PROGRESS WITHOUT DELAY.
12. PATCH ALL DISTURBANCES RESULTING FROM DEMOLITION OR NEW WORK TO MATCH SURROUNDING SURFACES. PATCH FOLLOWING DEMOLITION, AND AGAIN FOLLOWING WORK. WHERE HOLES REMAIN FROM REMOVALS, INFILL AND PATCH TO MATCH UNLESS HOLE IS TO BE REUSED.
13. PROTECT ALL CONTRACT EQUIPMENT, ELEMENTS TO REMAIN, OWNER'S BELONGINGS, AND EQUIPMENT TO BE REUSED OR RETAINED BY OWNER DURING ALL CONTRACT WORK. AT NO ADDITIONAL COST TO OWNER, REPAIR OR REPLACE ITEMS WHICH ARE DAMAGED.
14. THOROUGHLY CLEAN FOLLOWING DEMOLITION AND BEFORE BEGINNING CONTRACT INSTALLATIONS. THOROUGHLY CLEAN AGAIN DURING AND FOLLOWING CONTRACT WORK AS REQUIRED. LEAVE ALL WORK AREAS CLEANER THAN FOUND. LEGALLY DISPOSE OF ALL CONSTRUCTION DEBRIS.
15. PROVIDE TEMPORARY PIPING, DUCT, HEAT, WEATHERPROOFING, ETC. TO SERVICES TO REMAIN UNTIL PERMANENT INSTALLATIONS CAN BE MADE.
16. ALL EXCESS MATERIALS AND SCRAPS ARE CONTRACTOR'S PROPERTY. PROMPTLY REMOVE FROM SITE UNLESS SPECIFICALLY DIRECTED OTHERWISE.
17. SEAL ALL FLOOR, WALL AND CEILING PENETRATIONS PER FIRE-RESISTANCE RATINGS NOTED ON CG-SERIES DRAWINGS, BUT NOT LESS THAN 1-HOUR, AND IN ACCORDANCE WITH SECTION 07 84 13 - PENETRATION FIRESTOPPING. THIS INCLUDES ALL NEW PENETRATIONS AND EXISTING UNFIRESTOPPED PENETRATIONS CREATED BY REMOVALS, AS REQUIRED TO PERFORM THE WORK.
18. COORDINATE ALL WORK WITH WORK INDICATED ON ABATEMENT DRAWINGS.



S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

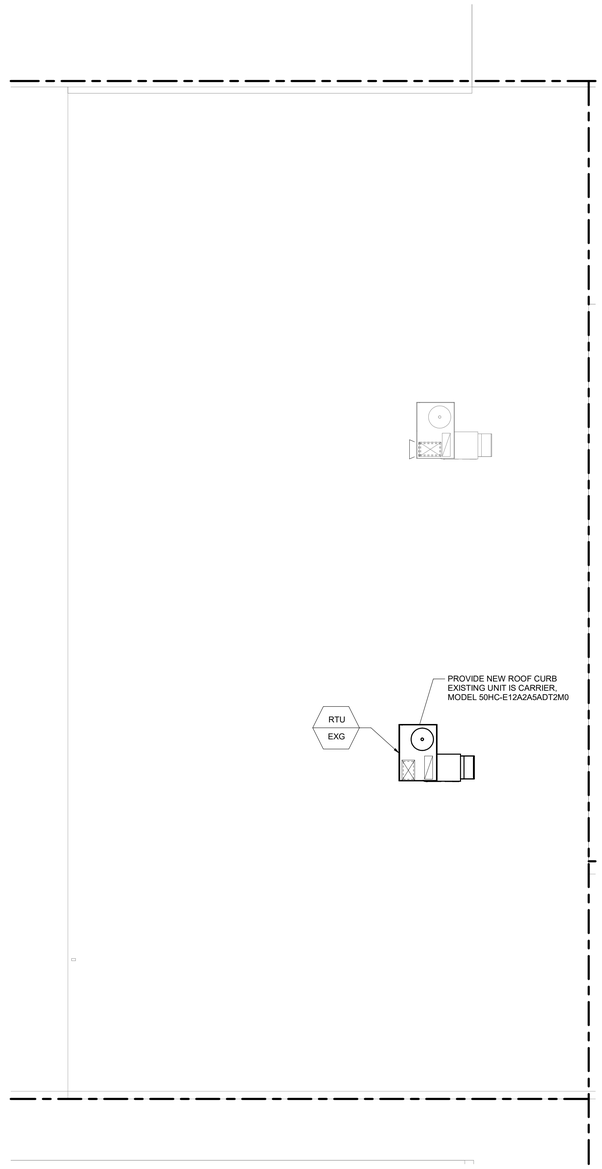
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

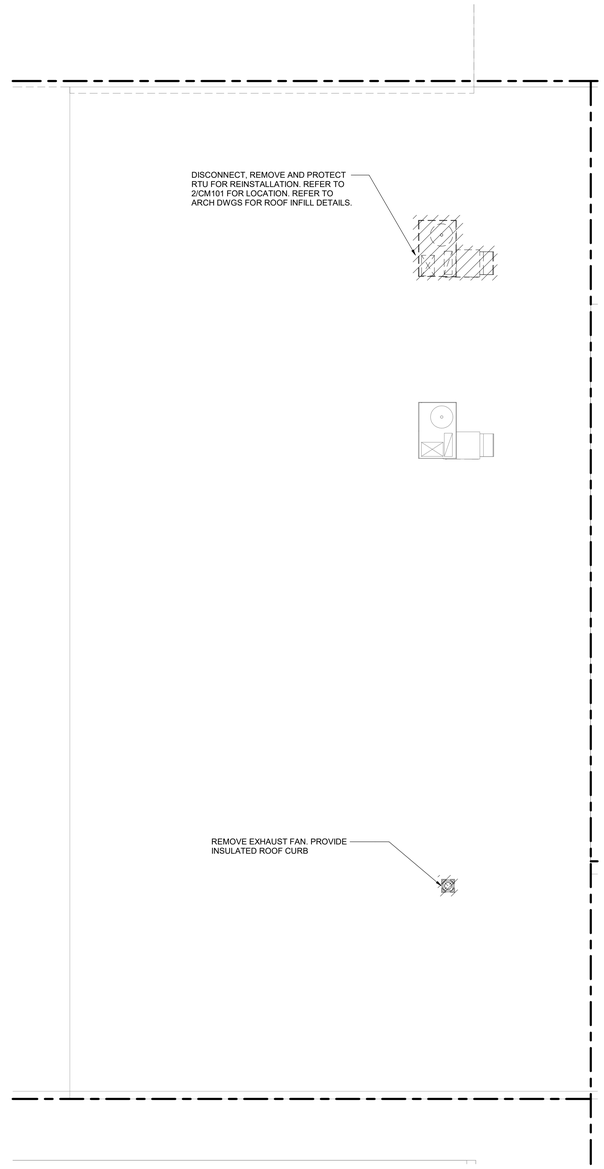
First Floor Plans - Area D

Drawn By:	Date:	Drawing Number:
DPM/pgm	10/13/2023	CM100

Project No.: 276721-23001



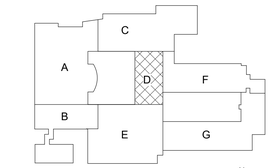
2 Roof Plan - Area D
1/8" = 1'-0"



1 Roof Demolition Plan - Area D
1/8" = 1'-0"

General Notes

A. REFER TO CM100 FOR GENERAL NOTES.



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

Roof Plans - Area D

Drawn By:	Date:	Drawing Number:
DPM/pgm	10/13/2023	CM101
Project No.: 276721-23001		

VAV SCHEDULE

UNIT TAG	SERVES	MODEL	MIN AIRFLOW (CFM)	MAX AIRFLOW (CFM)	APD @CLG AIRFLOW	HOT WATER COIL DATA (180 E.W.T., 150 L.W.T.)						NOTES
						EAT (°F)	LAT (°F)	FLOW (GPM)	WPD (FT. HD.)	CAPACITY (MBH)	NO. ROWS	
VAV-1	CONF 117A	VCWF	135	245	0.15	55	130.6	0.74	0.34	11.07	2	ALL
VAV-2	SGI 117B,C	VCWF	150	270	0.17	55	128.2	0.80	0.39	11.96	2	ALL
VAV-3	LIBRARY 117	VCWF	625	2250	0.47	55	128.2	3.31	0.47	49.65	2	ALL
VAV-4	LIBRARY 117	VCWF	625	2250	0.47	55	128.2	3.31	0.47	49.65	2	ALL
VAV-5	COLAB A 117F	VCWF	580	1040	0.43	55	115.3	2.53	1.00	37.95	2	ALL
VAV-6	COLAB B 117E	VCWF	560	1000	0.40	55	116.1	2.47	0.96	37.13	2	ALL
VAV-7	COLAB C 117D	VCWF	330	590	0.37	55	110.8	1.33	0.15	19.98	2	ALL
VAV-8	MAKE SPACE 121	VCWF	670	1200	0.54	55	112.0	2.76	1.18	41.42	2	ALL
VAV-9	WORK RM 120	VCWF	95	170	0.08	55	137.2	0.56	0.21	8.47	2	ALL
VAV-11												
VAV-12												

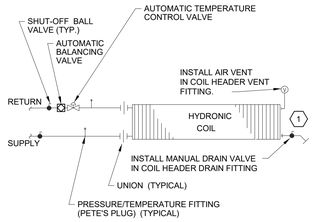
NOTES:
1. DESIGN BASIS: TRANE
2. PROVIDE WITH MANUFACTURER'S STANDARD 24V CONTROL TRANSFORMER

BUILDING/EQUIPMENT VENTILATION CALCULATIONS - HIGH SCHOOL LIBRARY

EQUIPMENT NUMBER	ZONE ID				MINIMUM VENTILATION RATES									DESIGN	
	ROOM NUMBER	ROOM NAME	OCCUPANCY CLASSIFICATION	Az - AREA (SF)	Pz - ZONE OCCU. ft²/1000 FT	ZONE OCCU.	Rp (CFM/ Person)	RpP	Ra (CFM/SF)	RaA	Vbz (CFM)	EZ	Voz (CFM)	Vpz (CFM)	Zp
RTU-1(E), 2(E)	117	LIBRARY	Libraries	2480	10	25	5	124	0.12	298	422	0.8	525	4500	0.12
	117D,E,F	COLAB	Classrooms (age 9 plus)	1470	35	51	10	515	0.12	176	691	0.8	865	1470	0.59
	121	MAKE SPACE	Classrooms (age 9 plus)	684	35	24	10	239	0.12	82	321	0.8	400	670	0.60
	117A	CONF	Conference/meeting	135	50	7	5	34	0.06	8	42	0.8	50	245	0.20
	117B	SGI	Office space	75	5	1	5	5	0.06	5	10	0.8	10	135	0.07
	117C	SGI	Office space	75	5	1	5	5	0.06	5	10	0.8	10	135	0.07
	120	WORK ROOM	Office space	95	5	1	5	5	0.06	6	11	0.8	15	170	0.09

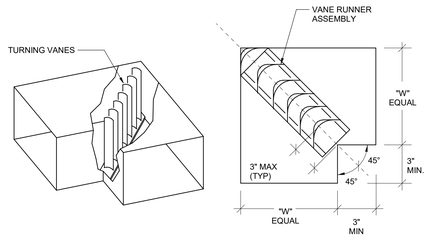
NOTES:
Rp = PEOPLE OUTDOOR AIR RATE, Ra = AREA OUTDOOR AIR RATE, Vbz = BREATHING ZONE OUTDOOR AIRFLOW . Ez = AIR DISTRIBUTION CONFIGURATION, Voz = ZONE OUTDOOR AIRFLOW
Vpz = ZONE PRIMARY AIRFLOW, Zpz = PRIMARY OUTDOOR AIR FRACTION, Vps = SYSTEM PRIMARY AIRFLOW, Vot = OUTDOOR AIR INTAKE FLOW,
Vou = UNCORRECTED OUTDOOR AIR INTAKE, D = OCCUPANT DIVERSITY, Ev = SYSTEM VENTILATION EFFICIENCY

SYSTEM VALUES RTU-1(E),2(E)			
Vps	7325	(UNCORRECTED OA) Vou	1506
(CORRECTED OA) Vot	**2475**	D	1.00
OA%	**34**	Ev	0.61
ADDITIONAL OA%	64		

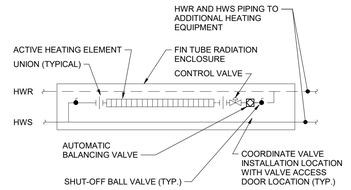


1 FOR COILS WITHOUT HEADERS, PROVIDE AIR VENT AND DRAIN VALVE IN ADJACENT SYSTEM HIGH AND LOW POINTS ON COIL SIDE OF COIL ISOLATION VALVES.

8 Hydronic Coil Piping Detail
NTS

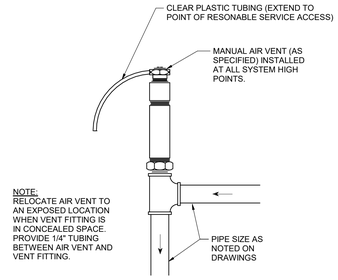


1 Duct Turning Vanes
NTS

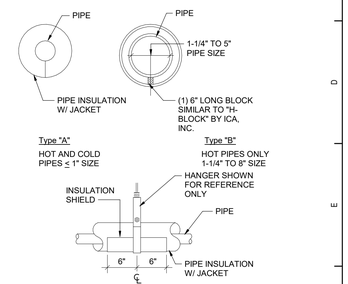


⬡ SEE PLANS FOR ENCLOSURE, ELEMENT, AND CAPACITY REQUIREMENTS.

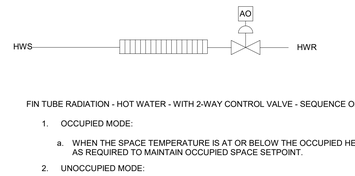
9 Fin Tube Radiation Piping Schematic
NTS



5 Manual Air Vent
NTS



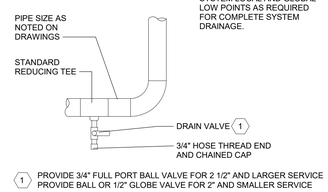
2 Insulation Shield and Blocking Detail
NTS



FIN TUBE RADIATION - HOT WATER - WITH 2-WAY CONTROL VALVE - SEQUENCE OF OPERATIONS:

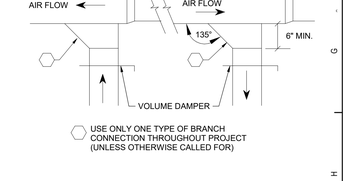
1. OCCUPIED MODE:
   a. WHEN THE SPACE TEMPERATURE IS AT OR BELOW THE OCCUPIED HEATING SETPOINT, THE CONTROL VALVE SHALL MODULATE OPEN AS REQUIRED TO MAINTAIN OCCUPIED SPACE SETPOINT.
2. UNOCCUPIED MODE:
   a. WHEN THE SPACE TEMPERATURE IS AT OR BELOW THE UNOCCUPIED HEATING SETPOINT, THE CONTROL VALVE SHALL MODULATE OPEN AS REQUIRED TO MAINTAIN UNOCCUPIED SPACE SETPOINT.
3. WARM-UP MODE:
   a. WHEN THE SPACE TEMPERATURE IS AT OR BELOW THE OCCUPIED HEATING SETPOINT, THE CONTROL VALVE SHALL MODULATE OPEN AS REQUIRED TO MAINTAIN OCCUPIED SPACE SETPOINT.
4. SAFETIES:
   a. IF THE SPACE TEMPERATURE IS LESS THAN THE HEATING SETPOINT BY 10 DEG. F (ADJUSTABLE), THE CONTROL VALVE SHALL MODULATE OPEN. AN ALARM SHALL BE ACTIVATED.

10 Fin Tube Radiation - Hot Water With Two Way Control Valve
NTS



1 PROVIDE 3/4" FULL PORT BALL VALVE FOR 2 1/2" AND LARGER SERVICE
PROVIDE BALL OR 1/2" GLOBE VALVE FOR 2" AND SMALLER SERVICE

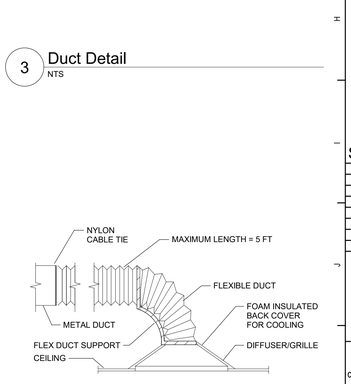
6 Low Point Drain Detail
NTS



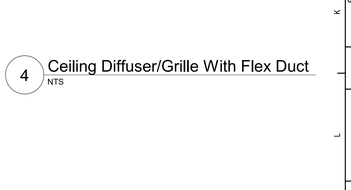
VARIABLE AIR VOLUME TERMINAL DEVICE:

1. PROVIDE FIELD MOUNTED CONTROLS. REBALANCE ASSOCIATED RTU TO MINIMUM QUANTITY INDICATED.
2. RUN CONDITIONS:
   a. THE UNIT SHALL RUN ACCORDING TO A USER DEFINABLE TIME SCHEDULE IN THE FOLLOWING MODES:
      1. OCCUPIED MODE: THE UNIT SHALL MAINTAIN A 75 DEG. F. COOLING SETPOINT AND 70 DEG. F. HEATING SETPOINT (ADJ.)
      2. UNOCCUPIED MODE: THE UNIT SHALL MAINTAIN AN 85 DEG. F. COOLING SETPOINT AND 55 DEG. F. HEATING SETPOINT (ADJ.).
   b. ZONE SETPOINT ADJUST: THE OCCUPANT SHALL BE ABLE TO ADJUST THE ZONE TEMPERATURE HEATING AND COOLING SETPOINTS BY A USER DEFINABLE AMOUNT (ADJ.).
   c. THE UNIT SHALL USE AN OPTIMAL START ALGORITHM FOR MORNING START-UP. THIS ALGORITHM SHALL MINIMIZE THE UNOCCUPIED WARM-UP OR COOL DOWN PERIOD WHILE STILL ACHIEVING COMFORT CONDITIONS BY THE START OF THE SCHEDULED OCCUPIED PERIOD.
   d. OVERRIDE: A TIMED LOCAL OVERRIDE CONTROL SHALL ALLOW AN OCCUPANT TO OVERRIDE THE SCHEDULE AND PLACE THE UNIT INTO AN OCCUPIED MODE FOR AN ADJUSTABLE PERIOD OF TIME. AT THE EXPIRATION OF THIS TIME, CONTROL OF THE UNIT SHALL AUTOMATICALLY RETURN TO THE SCHEDULE.
3. FLOW CONTROL:
   a. WHEN ZONE TEMPERATURE IS GREATER THAN ITS COOLING SETPOINT, THE DAMPER SHALL MODULATE BETWEEN THE MINIMUM OCCUPIED AIRFLOW AND MAXIMUM COOLING AIRFLOW (ADJ.) UNTIL THE ZONE IS SATISFIED.
   b. WHEN THE ZONE TEMPERATURE IS BETWEEN THE COOLING SETPOINT AND THE HEATING SETPOINT, THE ZONE DAMPER SHALL MAINTAIN THE MINIMUM REQUIRED ZONE VENTILATION.
   c. WHEN THE ZONE TEMPERATURE IS LESS THAN ITS HEATING SETPOINT, THE CONTROLLER SHALL ENABLE HEATING TO MAINTAIN THE ZONE TEMPERATURE AT ITS HEATING SETPOINT. ADDITIONALLY, IF WARM AIR IS AVAILABLE FROM THE RTU/AHU, THE ZONE DAMPER SHALL MODULATE BETWEEN THE MINIMUM OCCUPIED AIRFLOW AND THE MAXIMUM HEATING AIRFLOW UNTIL THE ZONE IS SATISFIED.
4. HOT WATER REHEAT VALVE
   a. THE VAV HEATING COIL VALVE SHALL MODULATE AS REQUIRED TO MAINTAIN SPACE HEATING SETPOINT.
5. SAFETIES
   a. UPON A SIGNAL FROM THE FIRE ALARM CONTROL PANEL, THE VAV DAMPER SHALL CLOSE.
   b. LOW LIMIT DISCHARGE AIR LOW LIMIT SET AT 38 DEG. F. (ADJ.)

11 VAV Box with Hot Water Reheat Coil
NTS



7 Roof Curb Detail
NTS



4 Ceiling Diffuser/Grille With Flex Duct
NTS

⬡ USE ONLY ONE TYPE OF BRANCH CONNECTION THROUGHOUT PROJECT (UNLESS OTHERWISE CALLED FOR)

3 Duct Detail
NTS

TEMPERATURE CONTROLS SYMBOLS LIST

AI	ANALOG IN
AO	ANALOG OUT
COM	COMMUNICATIONS PORT
CS	AIRBORNE CONTAMINANT SENSOR
DI	DIGITAL IN
	DAMPER MOTOR
DO	DIGITAL OUT
EMCS	ENERGY MANAGEMENT CONTROL SYSTEM
F	FLOW (WATER/AIR)
FM	FLOW METER
FS	AIR FLOW SENSOR
FZ	FREEZE STAT
H	HUMIDITY SENSOR
HL	HIGH LIMIT
KWH	KILOWATT HOUR METER
LL	LOW LIMIT
M/S	MANUAL SWITCH STOP / START
P	PRESSURE SENSOR
ΔP	DIFFERENTIAL PRESSURE
PS	POSITION SENSOR
S/S	STOP / START
SD	SMOKE DETECTOR
ST	STATUS
START	STARTER
T	ADJUSTABLE THERMOSTAT
TS	TEMPERATURE SENSOR
VFD	VARIABLE FREQUENCY DRIVE
WS	WATER SENSOR
%	PERCENT
ES	END SWITCH
BS	BOILER SWITCH

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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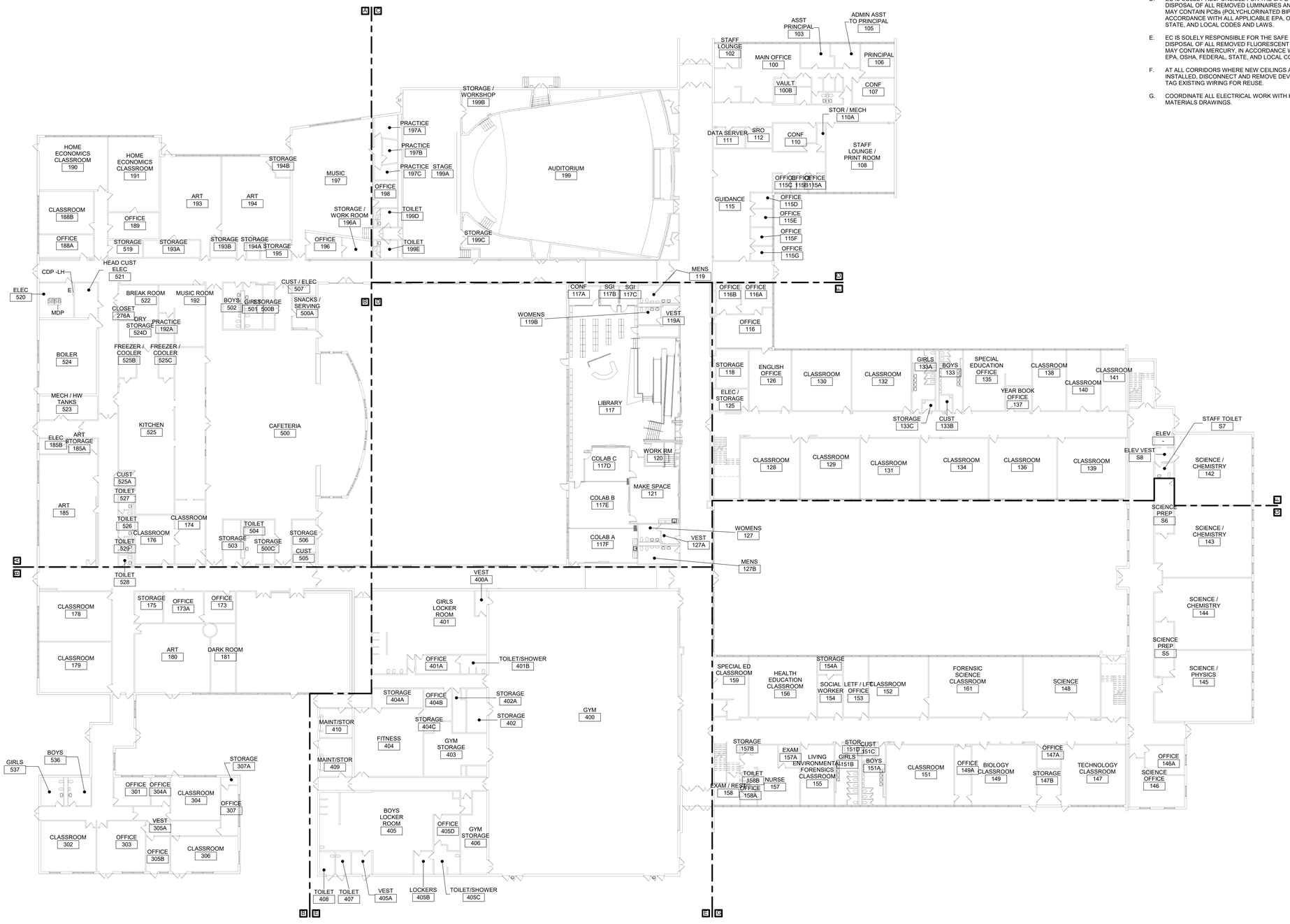
TETRA TECH ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

Details, Schedules and Controls

Drawn By:	Date:	Drawing Number:
DPM/pgm	10/13/2023	CM500
Project No.: 276721-23001		



1 First Floor - Key Plan
1" = 20'-0"

Demolition General Notes

A. ALL ELECTRICAL DEVICES INTERFERING WITH DEMOLITION WORK SHALL BE DISCONNECTED AND REMOVED, UNLESS OTHERWISE NOTED. EXISTING CIRCUIT WIRING SHALL BE REMOVED BACK TO SOURCE AND PANEL DIRECTORIES MODIFIED ACCORDINGLY.

B. ANY DEVICE INTERFERING WITH DEMOLITION WORK NOT SHOWN ON THESE DRAWINGS SHALL NOT BE REMOVED WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER'S REPRESENTATIVE OR THE ENGINEER.

C. ALL ELECTRICAL DEMOLITION WORK SHALL BE PROPERLY COORDINATED WITH ALL OTHER TRADES.

D. EC IS SOLELY RESPONSIBLE FOR THE SAFE HANDLING AND DISPOSAL OF ALL REMOVED LUMINAIRES AND BALLASTS THAT MAY CONTAIN PCBs (POLYCHLORINATED BIPHENYLS), IN ACCORDANCE WITH ALL APPLICABLE EPA, OSHA, FEDERAL, STATE, AND LOCAL CODES AND LAWS.

E. EC IS SOLELY RESPONSIBLE FOR THE SAFE HANDLING AND DISPOSAL OF ALL REMOVED FLUORESCENT LIGHT TUBES THAT MAY CONTAIN MERCURY, IN ACCORDANCE WITH ALL APPLICABLE EPA, OSHA, FEDERAL, STATE, AND LOCAL CODES AND LAWS.

F. AT ALL CORRIDORS WHERE NEW CEILINGS ARE BEING INSTALLED, DISCONNECT AND REMOVE DEVICES AS INDICATED, TAG EXISTING WIRING FOR REUSE.

G. COORDINATE ALL ELECTRICAL WORK WITH HAZARDOUS MATERIALS DRAWINGS.

General Notes

A. COORDINATE ALL ELECTRICAL WORK AND POWER OUTAGES WITH OWNER AND OTHER TRADES PRIOR TO THE START OF CONSTRUCTION. NO POWER OUTAGES SHALL OCCUR WITHOUT OWNER'S PRIOR KNOWLEDGE AND CONSENT.

B. REFER TO DRAWING G100 FOR STANDARD SYMBOLS AND ABBREVIATIONS.

C. AT ALL CORRIDORS WHERE NEW CEILINGS ARE BEING INSTALLED, REINSTALL DEVICES ON NEW CEILINGS AS SHOWN ON NEW WORK DRAWINGS AND EXTEND/MODIFY EXISTING CIRCUITRY AS NECESSARY.

D. CIRCUIT WIRING FOR ALL LIGHTING CIRCUITS SHALL BE IN 1/2" EMT CONDUIT (MIN) OR TYPE MC CABLE CONCEALED ABOVE CEILINGS AND IN WALLS (REFER TO SPECIFICATION SECTION 26 05 33 FOR LOCATIONS WHERE MC CABLE IS ACCEPTABLE). ALL CIRCUIT CONDUCTORS SHALL BE #12AWG COPPER (MIN) 90°C THHN THERMOPLASTIC INSULATION.

E. CIRCUIT EXIT AND EMERGENCY LUMINAIRES TO UNSWITCHED HOT LEG OF LIGHTING CIRCUIT OF THE AREA BEING SERVED BY OR ADJACENT TO THE LUMINAIRE.

F. PROPERLY IDENTIFY ALL CIRCUITS AT PANELS AND J-BOXES AND IN ACCORDANCE WITH PROJECT SPECIFICATIONS.

G. PROVIDE ALL ADAPTERS, COUPLINGS AND ASSOCIATED FITTINGS REQUIRED FOR COMPLETE OPERATIONAL SYSTEM.

H. WHEN INSTALLING NEW DEVICES IN EXISTING LOCATIONS, REUSE EXISTING CONDUIT/RACEWAY AND BACK BOXES IF IN GOOD CONDITION. EXTEND/INSTALL NEW CONDUIT/RACEWAY AS REQUIRED FOR PROPER MOUNTING OF DEVICE. CONCEAL ABOVE CEILINGS OR WITHIN WALLS WHERE POSSIBLE. REFER TO SPECIFICATION SECTION 26 05 33.

I. NEW CIRCUIT BREAKERS IN EXISTING PANELBOARDS SHALL BE UL LISTED FOR USE IN THE PANELBOARD AND SHALL MATCH THE AIC RATING OF THE PANELBOARD.

J. COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES.

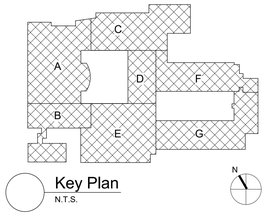
K. MOUNTING HEIGHTS INDICATED FOR DEVICES AROUND CASEWORK SHOWN FOR REFERENCE ONLY. COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF ALL DEVICES AROUND CASEWORK WITH APPROVED CASEWORK SUBMITTALS PRIOR TO ROUGH-IN

L. TESTS OF ALL ELECTRICAL WORK SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER OR ARCHITECT, AS EQUIPMENT IS INSTALLED AND AS SYSTEMS ARE COMPLETED. IN ADDITION AN ELECTRIC APPROVED CERTIFICATE SHALL BE ISSUED BY AN ELECTRICAL INSPECTION AGENCY.

M. UNLESS NOTED ELSEWHERE ON THE CONTRACT DOCUMENTS, THE FOLLOWING LIST REPRESENTS THE TYPICAL MOUNTING HEIGHTS FOR THE DEVICES SHOWN:

1. SWITCHES AND PANIC STATIONS.....48" (TO TOP)
2. RECEPTACLES.....16"
3. COMPUTER RECEPTACLES.....48" (TO TOP)
4. WALL (W) TELEPHONE AND CALL SWITCHES.....48" (TO TOP)
5. TELEPHONE OUTLETS (UNLABELED).....16"
6. VOLUME CONTROLS.....48" (TO TOP)
7. TELEVISION OUTLETS.....16"
8. FIRE ALARM PULL STATIONS.....48" (TO TOP)
9. FIRE ALARM AUDIO/VISUAL UNITS.....88"
   * (OR 6" BELOW CEILING, WHICHEVER IS LOWER)
10. POWER PANELS.....72" (TO TOP)
11. DISCONNECT SWITCHES.....60" (TO TOP)
12. MOTOR STARTERS.....60" (TO TOP)

THE HEIGHTS INDICATED SHALL BE NOMINAL TO THE BOTTOM OF THE BOX UNLESS NOTED OTHERWISE. MAINTAIN HEIGHT CONSISTENCY BETWEEN NEW AND EXISTING DEVICES.



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BID SET

TETRA TECH ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

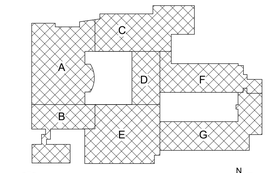
First Floor Key Plan

Drawn By:	Date:	Drawing Number:
SAS	10/13/2023	CE050
Project No.: 276721-23001		

1 Second Floor - Key Plan
1" = 20'-0"

General Notes:

A. REFER TO DRAWING CE050 FOR GENERAL NOTES.



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-011-023

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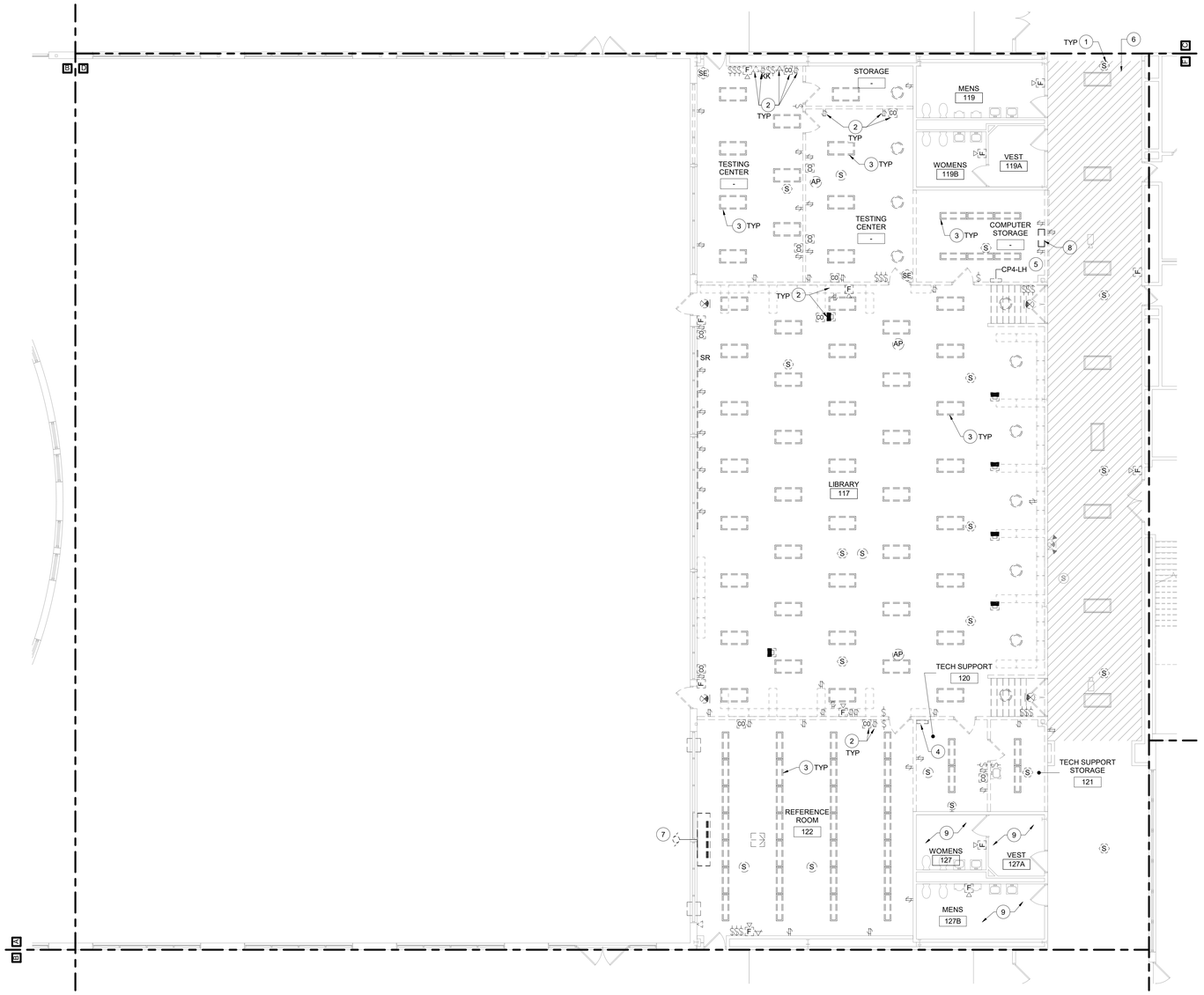
ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

Second Floor Key Plan

Drawn By:	Date:	Drawing Number:
SAS	10/13/2023	CE051
Project No.: 276721-23001		



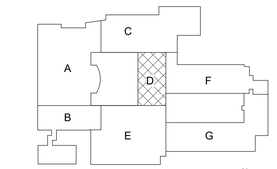
1 First Floor Demolition Plan - Area D
1/8" = 1'-0"

Keyed Notes:

1. REMOVE FIRE ALARM DEVICE. PROTECT, COIL AND TAG CIRCUITRY FOR RE-USE.
2. REMOVE ELECTRICAL DEVICES, WIRING AND CONDUIT BACK TO SOURCE. WHERE DEVICES OUTSIDE OF RENOVATION AREA ARE FED BY CIRCUITS SLATED FOR REMOVAL, MAINTAIN POWER TO IMPACTED DEVICES.
3. REMOVE LUMINAIRES AND HAND OVER TO OWNER TO STORE IN ATTACK STOCK. REMOVE LIGHTING CONTROLS AND CIRCUITRY BACK TO SOURCE.
4. REMOVE PANELBOARD AND FEEDER BACK TO SOURCE. PROTECT, COIL AND TAG ALL BRANCH CIRCUITRY FOR RE-INSTALLATION IN PANEL PPD1.
5. REMOVE PANELBOARD CP4-LH, CLEAN, PROTECT, AND STORE FOR RELOCATION. TAG FEEDER AND BRANCH CIRCUITRY FOR RELOCATION.
6. IN HATCHED AREA, REMOVE AND STORE, OR SUPPORT EXISTING CEILING MOUNTED DEVICES FOR CEILING REPLACEMENT WORK. RE-INSTALL DEVICES IN SAME LOCATION IN NEW CEILING.
7. DISCONNECT POWER CIRCUITRY TO UNIT VENTILATOR COMPLETE BACK TO SOURCE.
8. REMOVE WALL MOUNTED BATTERIES AND ASSOCIATED CONDUCTORS BACK TO SOURCE.
9. HANG AND PROTECT CEILING MOUNTED DEVICES FOR CEILING REPLACEMENT WORK. RE-INSTALL CEILING MOUNTED DEVICES IN NEW CEILING AND CENTER ON CEILING TILE. MODIFY/EXTEND CIRCUITRY AS NECESSARY.

General Notes:

A. REFER TO DRAWING CE050 FOR GENERAL NOTES.



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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TETRA TECH
ARCHITECTS & ENGINEERS

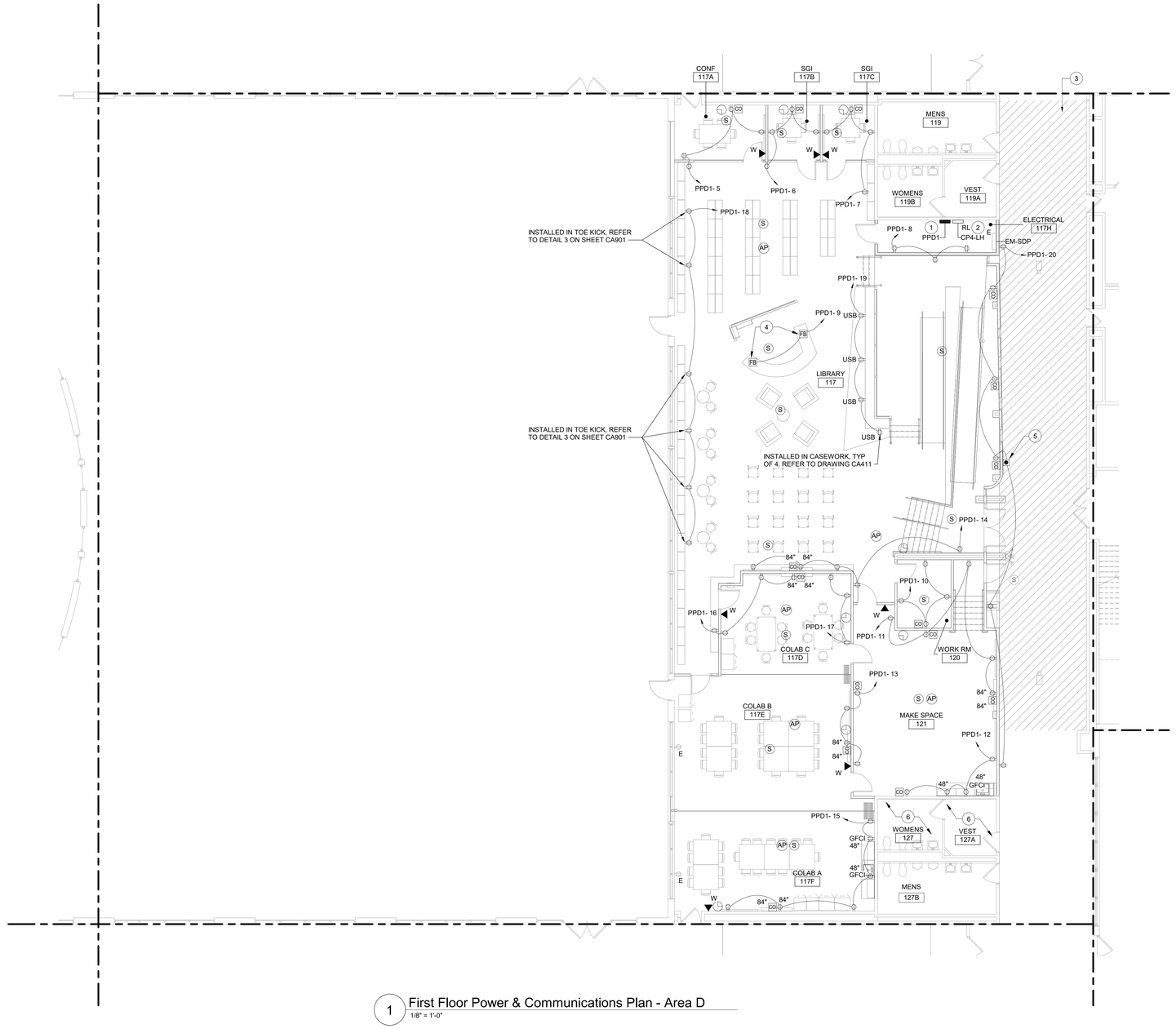
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

First Floor Demolition Plan - Area D

Drawn By:	Date:	Drawing Number:
SAS	10/13/2023	CE103

Project No.:
276721-23001



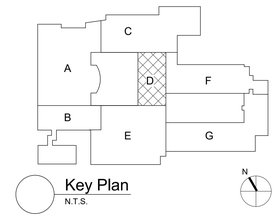
1 First Floor Power & Communications Plan - Area D
1/8" = 1'-0"

Keyed Notes:

1. PROVIDE 100A-3P BREAKER IN AVAILABLE SPACE IN MDP IN ELEC 520, CONNECT USING (4)#2, (1)#8 G, IN 1-1/2" CONDUIT. RE-INSTALL TAGGED BRANCH CIRCUITRY FROM REMOVED PANELBOARD INTO PANEL PPD1. SEE DRAWING CE600 FOR FURTHER INFORMATION.
2. RELOCATE PANELBOARD CP4-LH TO LOCATION SHOWN. MODIFY/EXTEND TAGGED FEEDER AND BRANCH CIRCUITRY AS NECESSARY.
3. IN HATCHED AREA, RE-INSTALL DEVICES IN SAME LOCATION IN NEW CEILING.
4. PROVIDE FLOOR BOX WITH (2) DUPLEX RECEPTACLES AND (1) DATA RECEPTACLE WITH (2) JACKS FED WITH (2) CAT6 CABLES.
5. PROVIDE ELECTRICAL CONNECTION FOR BACKLIT SIGNAGE. COORDINATE FINAL LOCATION WITH OTHER CONTRACTS.
6. HANG AND PROTECT CEILING MOUNTED DEVICES FOR CEILING REPLACEMENT WORK. RE-INSTALL CEILING MOUNTED DEVICES IN NEW CEILING AND CENTER ON CEILING TILE. MODIFY/EXTEND CIRCUITRY AS NECESSARY.

General Notes:

A. REFER TO DRAWING CE050 FOR GENERAL NOTES.
B. SPEAKERS ARE TO BE COMPATIBLE AND WIRED TO EXISTING PA SYSTEM.
C. CLOCKS ARE TO BE COMPATIBLE WITH EXISTING CLOCK SYSTEM.



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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ARCHITECTS & ENGINEERS

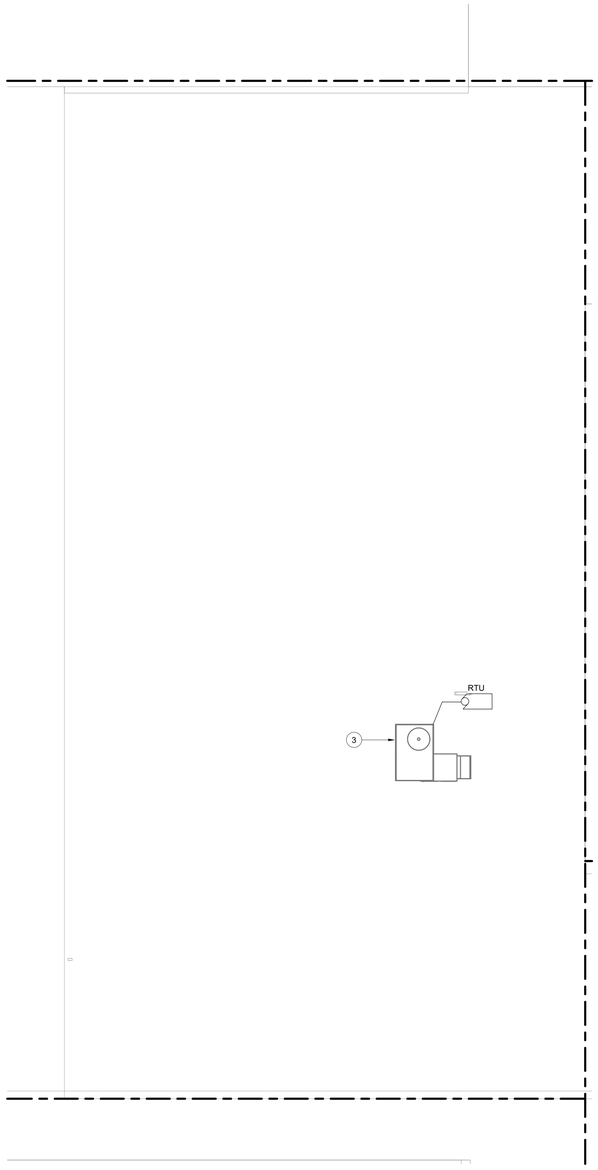
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

First Floor Power & Communications Plan - Area D

Drawn By:	Date:	Drawing Number:
SAS	10/13/2023	CE160

Project No.: 276721-23001



2 Roof Power Plan - Area D
1/8" = 1'-0"

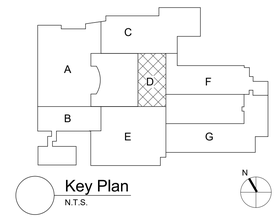
1 Roof Demolition Plan - Area D
1/8" = 1'-0"

Keyed Notes:

1. REMOVE POWER CIRCUITRY TO HVAC EQUIPMENT COMPLETE BACK TO SOURCE. LABEL ANY UNUSED CIRCUIT BREAKERS AS "SPARE" AND UPDATE PANEL DIRECTORY AS NECESSARY.
2. DISCONNECT LOAD AND LINE POWER CIRCUITRY TO HVAC EQUIPMENT, PROTECT, COIL AND TAG CIRCUITRY FOR RE-USE.
3. RE-CONNECT TAGGED LOAD AND LINE POWER CIRCUITRY TO RELOCATED HVAC EQUIPMENT. EXTEND/MODIFY LINE AND LOAD SIDE OF CIRCUITRY AS REQUIRED.

General Notes:

A. REFER TO DRAWING CE050 FOR GENERAL NOTES.



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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ARCHITECTS & ENGINEERS

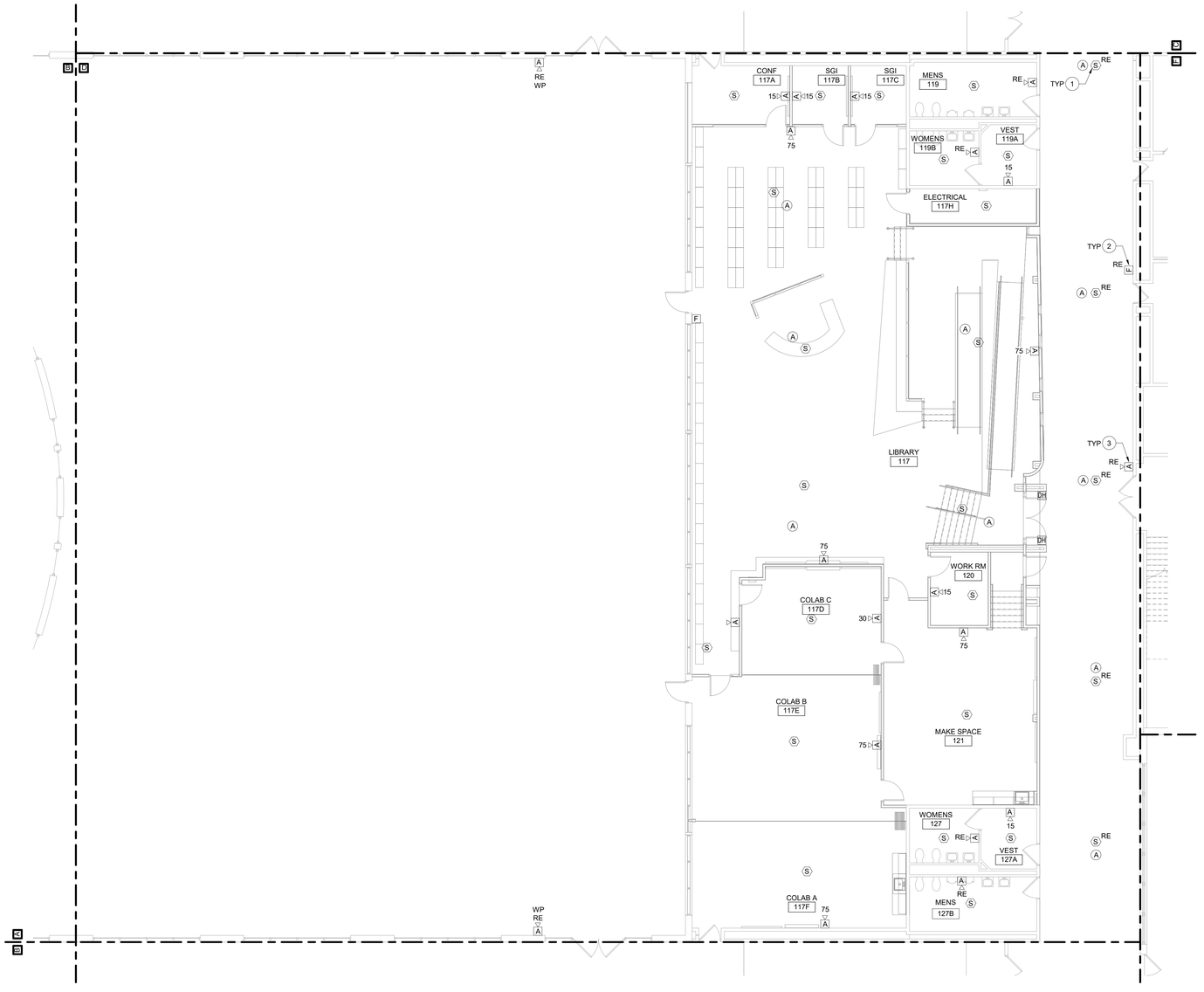
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

Roof Plans - Area D

Drawn By:	Date:	Drawing Number:
Author	10/13/2023	CE161

Project No.:
276721-23001



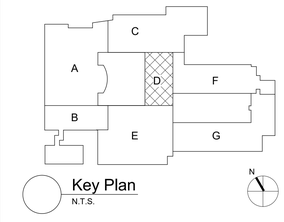
1 First Floor Fire Alarm Plan - Area D
1/8" = 1'-0"

Keyed Notes:

1. REPLACE EXISTING SMOKE/HEAT DETECTOR. CONNECT TO TAGGED CIRCUITRY, MODIFY/EXTEND CIRCUITRY AS NECESSARY.
2. REPLACE EXISTING FIRE ALARM MANUAL PULL STATION. CONNECT TO TAGGED CIRCUITRY, MODIFY/EXTEND CIRCUITRY AS NECESSARY.
3. REPLACE EXISTING STROBE/HORN STROBE WITH SPEAKER STROBE. CONNECT TO TAGGED CIRCUITRY, MODIFY/EXTEND CIRCUITRY AS NECESSARY.

General Notes:

A. REFER TO DRAWING CE050 FOR GENERAL NOTES.
B. FOR EACH EXISTING AHU, REPLACE A SUPPLY DUCT SMOKE DETECTOR, A RETURN DUCT SMOKE DETECTOR AND A FAN SHUTDOWN RELAY. FOR EACH DUCT DETECTOR, PROVIDE A SMOKE DETECTOR REMOTE STATUS AND ALARM INDICATOR.



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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TETRA TECH
ARCHITECTS & ENGINEERS

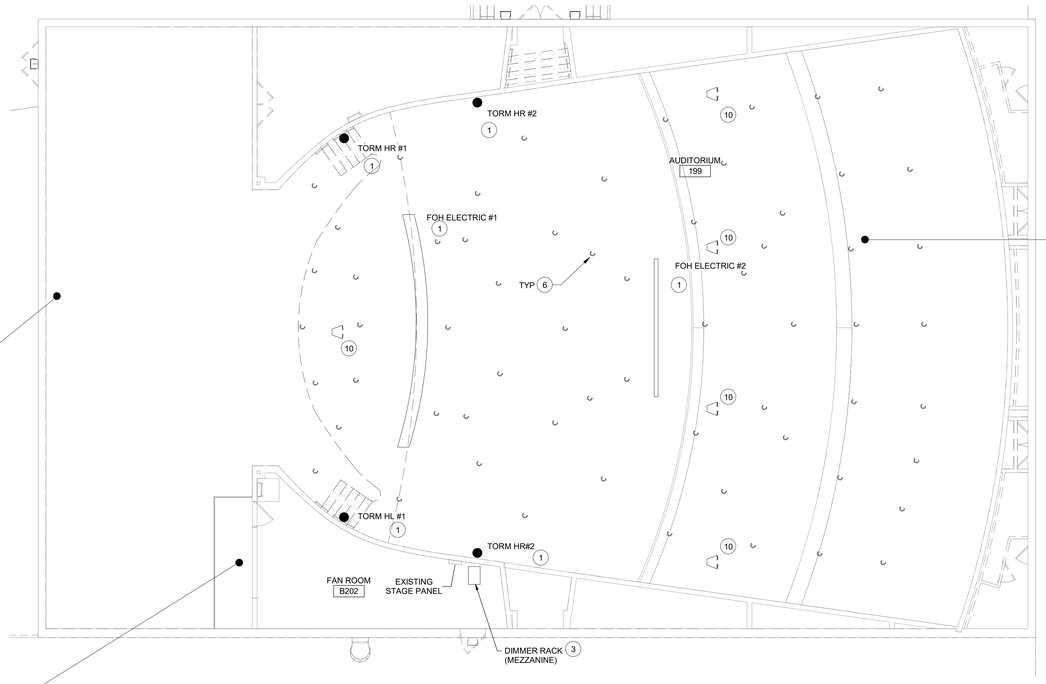
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

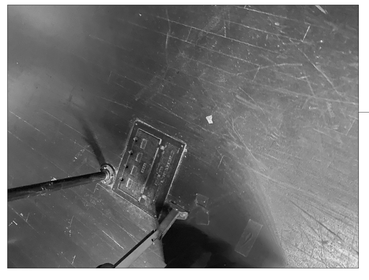
First Floor Fire Alarm Plan - Area D

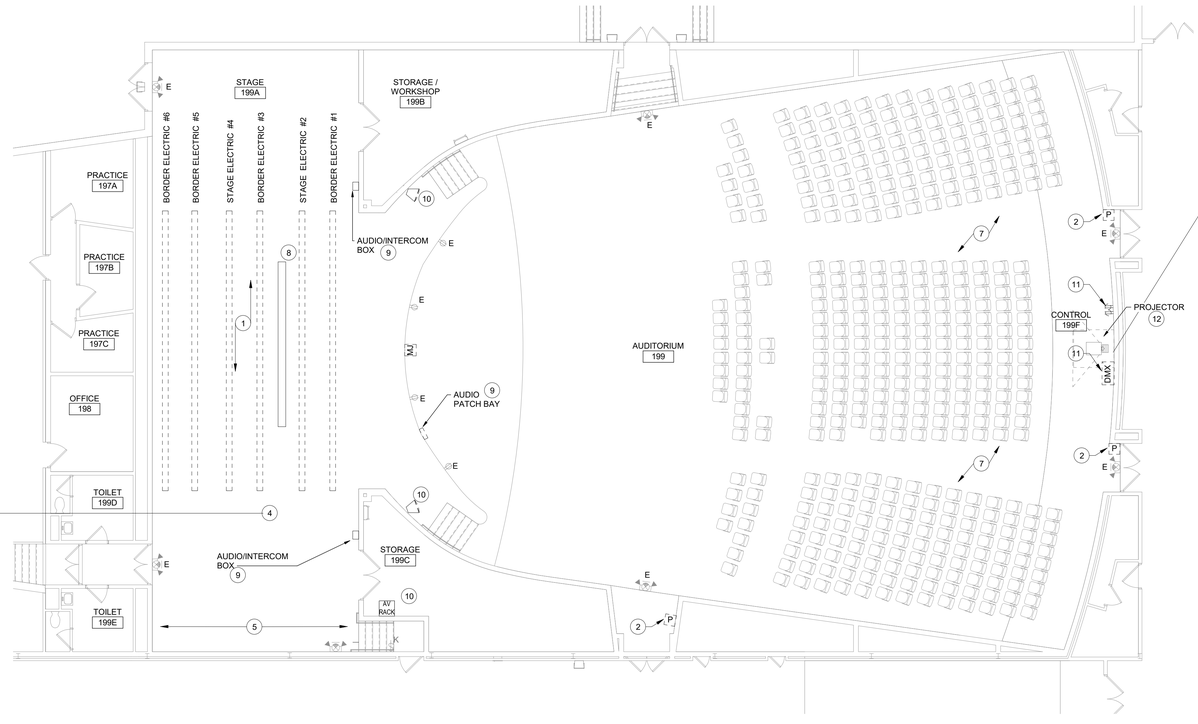
Drawn By:	Date:	Drawing Number:
SAS	10/13/2023	CE203

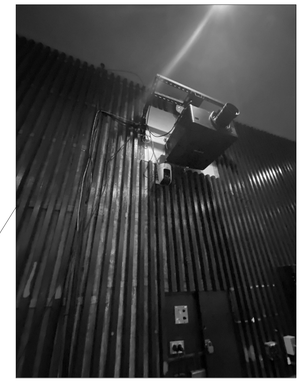
Project No.:
276721-23001



1 Second Floor - Demolition Plan
1/8" = 1'-0"



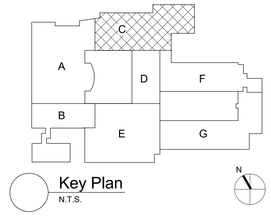




2 First Floor - Demolition Plan
1/8" = 1'-0"

Keyed Notes:

1. REMOVE STAGE LIGHTING DISTRIBUTION, STAGE LIGHTS, WORKLIGHTS ON PIPE BATTENS AND WIRING BACK TO SOURCE. REMOVE ANY TOGGLE SWITCHES CONTROLLING THE PIPE BATTEN WORK LIGHTS. PRESERVE BREAKER IN STAGE PANEL FOR RE-USE. EXISTING STAGE LIGHTS TO BE TURNED OVER TO OWNER.
2. REMOVE HOUSELIGHT CONTROLS (3) TOTAL 8-BUTTON CONTROL STATIONS. REMOVE WIRING BACK TO SOURCE. REUSE BACKBOXES AND CONDUIT WHERE FEASIBLE.
3. REMOVE DIMMER RACK AND ASSOCIATED CONTROLS, RE-USE JUNCTION BOXES AND CONDUIT TO STAGE DISTRIBUTION WHERE FEASIBLE. REMOVE FEEDER TO DIMMER RACK BACK TO SOURCE.
4. FLOOR POCKETS/RECEPTACLES (4) ON STAGE TO BE ABANDONED IN PLACE, REMOVE WIRING BACK TO SOURCE.
5. REMOVE FULL (18) LINESET COUNTER WEIGHT RIGGING SYSTEM AND (4) DEAD HUNG PIPE INCLUSIVE OF PIN RAIL, STAGE DISTRIBUTION, STAGE LIGHTING, PROJECTION SCREEN, INSTRUMENTS AND ALL STAGE CURTAINS. SALVAGE, CLEAN AND STORE CURTAINS FOR RE-INSTALLATION. FIELD VERIFY AND RECORD LOCATIONS OF EXISTING STAGE RIGGING SYSTEM BEFORE REMOVAL.
6. REMOVE HOUSE LIGHTS AND CIRCUITRY BACK TO SOURCE.
7. REMOVE AISLE LIGHTING, PRESERVE CONNECTION TO STAGE PANEL IN MEZZANINE. COORDINATE WITH CARPET REMOVAL.
8. REMOVE PROJECTION SCREEN, SALVAGE, CLEAN AND STORE FOR RE-INSTALLATION. PROTECT, COIL AND TAG CONTROLS FOR RE-USE.
9. REMOVE AUDIO PATCH BAYS AND ALL WIRING. BACK BOX TO REMAIN.
10. REMOVE AUDIO RACK, SPEAKERS AND ASSOCIATED CONNECTIONS TO AUDIO OUTLETS.
11. REMOVE DMX AND INTERCOM OUTLETS AND TWO STANDARD DUPLEX OUTLETS. RETAIN WIRING TO BE EXTENDED TO FRONT OF NEW CONTROL AREA.
12. REMOVE PROJECTOR AND PRESERVE WITH CABLING FOR RECONNECTION AFTER WALL FINISH UPGRADE IS COMPLETE.



S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

TETRA TECH
ARCHITECTS & ENGINEERS

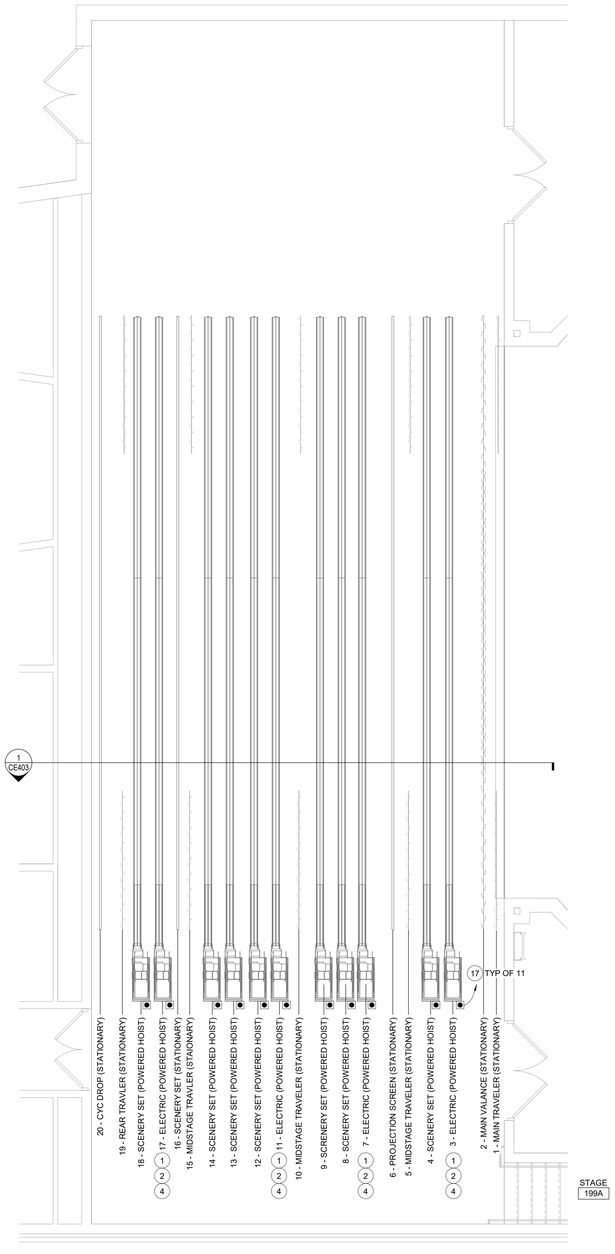
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

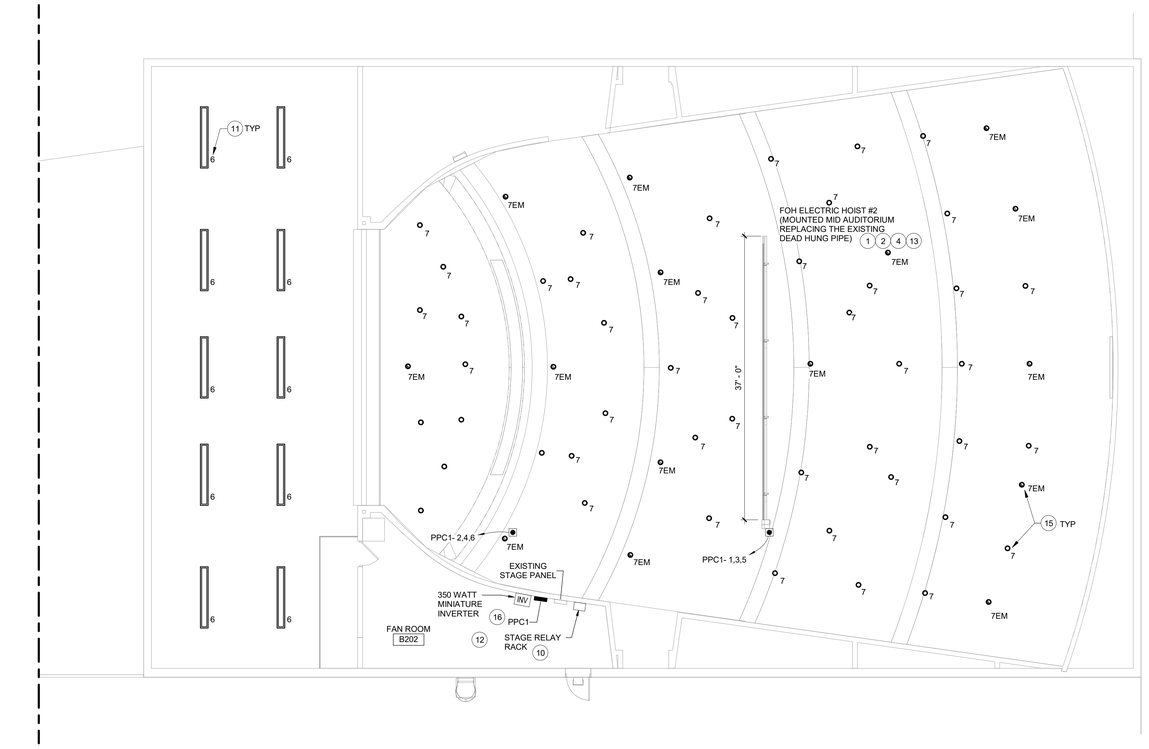
Auditorium Demolition Plans

Drawn By:	Date:	Drawing Number:
CR	10/13/2023	CE400

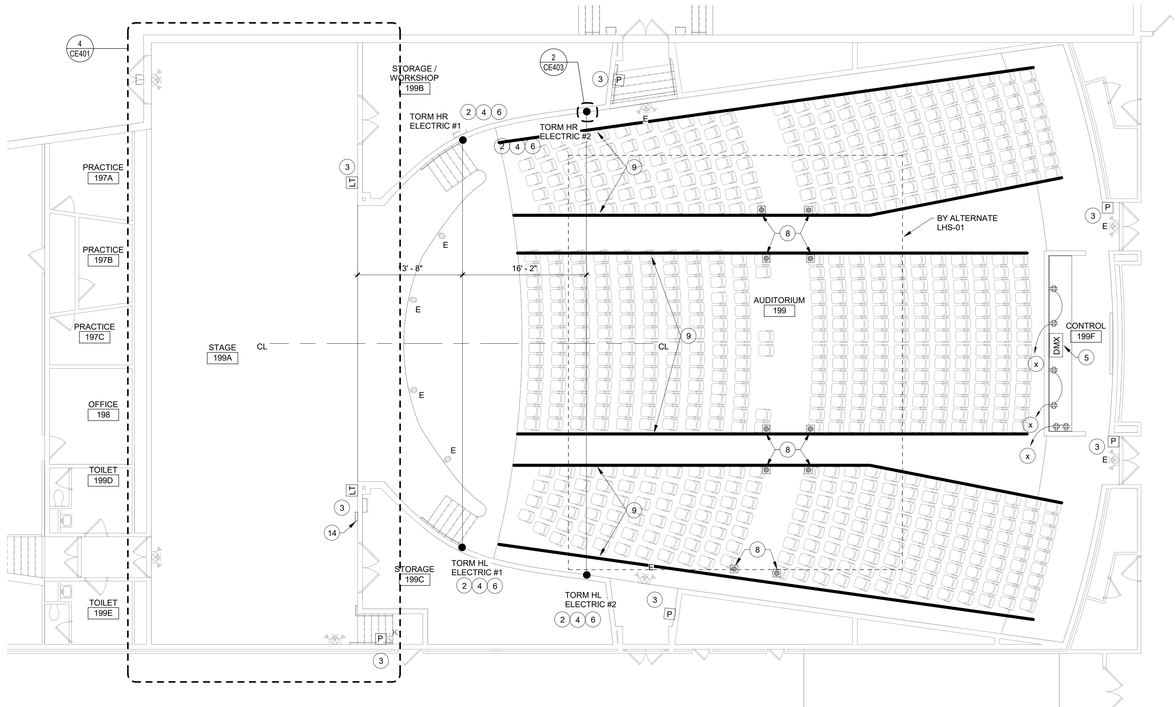
Project No.: 276721-23001



4 First Floor - Stage Rigging Plan
1/4" = 1'-0"



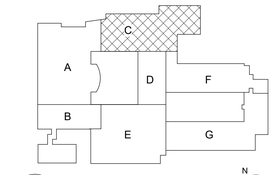
1 Second Floor - Stage Lighting Plan
1/8" = 1'-0"



2 First Floor - Stage Lighting Plan
1/8" = 1'-0"

Keyed Notes:

1. PROVIDE DISTRIBUTION AND DMX CONTROL. REFER TO STAGE LIGHTING CONTROL RISER DRAWING CE402.
2. PROVIDE LED STAGE LIGHTING FIXTURES. REFER TO SPECIFICATION FOR FURTHER INFORMATION.
3. PROVIDE ARCHITECTURAL CONTROL SYSTEM COMPLETE WITH PANIC STATIONS AND PROGRAMMABLE TOUCH SCREENS. REFER TO DRAWING CE402 FOR MORE INFORMATION.
4. PROVIDE EDISON/DMX OUTLET DISTRIBUTION. REFER TO SPECIFICATION AND DRAWING CE402 FOR FURTHER INFORMATION.
5. PROVIDE DMX OUTLET FOR CONNECTION TO STAGE LIGHTING CONTROL CONSOLE. REFER TO STAGE LIGHTING CONTROL RISER DRAWINGS CE402.
6. REFER TO TORMENTOR DETAIL THIS DRAWING AND SPECIFICATION FOR MORE INFORMATION.
7. FIELD VERIFY AND RECORD LOCATIONS OF EXISTING STAGE RIGGING SYSTEM BEFORE REMOVAL, INSTALLATION OF NEW RIGGING TO MATCH EXISTING LOCATIONS RECORDED.
8. CONNECTIONS FOR ALL (6 RUNS) OF AISLE LIGHT TO BREAKER IN STAGE PANEL THAT FEDS EXISTING AISLE LIGHTING. PROVIDE MINIATURE INVERTER VESTA MAX 375W OR EQUAL WITH 90 MINUTE RUN TIME LOCATE IN FAN ROOM NEAR STAGE PANEL. PROVIDE (2) #12, (1)1/2 G, ½" CONDUIT, TO CONNECT AISLE LIGHTING BY BATTERY BACKUP AND POWER FROM SPARE BREAKER IN STAGE PANEL IN FAN ROOM.
9. PROVIDE NON-DIMMABLE TIVOLI ARCHITECTURAL LIGHT EXTRUSION WITH LENS COVER AND 12" LED SPACING WITH AMBER 12V LEDs (OR EQUAL) FOR AISLEWAY. PROVIDE POWER SUPPLIES AS RECOMMEND BY MANUFACTURER, SUCH AS JT-60-1—12-D (VERIFY WITH MANUFACTURER). CONTROL BY KEYED SWITCH NEAR STAGE PANEL. COORDINATE ALL WORK WITH NEW CARPET LAYOUT.
10. PROVIDE 200A-3 CIRCUIT BREAKER IN AVAILABLE SPACE IN MDP IN ELECTRICAL ROOM 520 AND CONNECT USING (4) #3/0, (1) #6 G. IN 2" CONDUIT. REFER TO DRAWING CE402 FOR FURTHER INFORMATION.
11. CONNECT TYPE 6 LUMINAIRES TO THE 20A1P BREAKER PREVIOUSLY FEEDING OVERHEAD STAGE WORKLIGHTS ON STAGE PIPES IN STAGE PANEL WITH (2)#2, (1)#12G, IN 1.2" C. MOUNT TO STAGE ROOF DECK WITH SLOTTED METAL CHANNEL 24'-0" AFF TO BOTTOM OF LUMINAIRE. COORDINATE WITH STAGE CURTAINS AND RIGGING. REFER TO STAGE LIGHTING RISER DRAWING CE402 FOR CONTROL.
12. LOCATE ALL STAGE, CONTROL AND HOUSE LIGHT RACKS IN FAN ROOM. REFER TO STAGE LIGHTING CONTROL RISER ON DRAWINGS CE402 FOR FURTHER INFORMATION.
13. PROVIDE (2) MOTORIZED HOISTS BASED ON MODEL ETC PRODIGY FLYPPE. CONNECT TO STAGE PANEL WITH (1) 20A3P BREAKER FOR EACH HOIST WITH (4)#12 IN 1/2" CONDUIT. REFER TO RIGGING SPECIFICATION AND STRUCTURAL DETAILS FOR MORE INFORMATION.
14. PROVIDE HOIST CONTROL STATION BASED ON MODEL ETC QUICK TOUCH CONTROL QT-4 WITH FIXED SPEED REMOTE CONTROL, EMERGENCY STOP BUTTON WITH BACKBOX, AND SURFACE RACK MOUNT KIT WITH DOOR. CONNECT TO MOTORIZED HOIST WITH 24V DC SUPPLIED FROM HOIST.
15. PROVIDE RECESSED DMX DOWNLIGHT, CONNECT ALL TO STAGE RELAY PANEL WITH (2)#12, (1)#12 G., IN 1/2" CONDUIT. SHADED SYMBOL TO BE CONNECTED ALSO TO VESTA MAX MINIATURE INVERTER FOR EMERGENCY EGRESS.
16. PROVIDE 100A-3P CIRCUIT BREAKER IN AVAILABLE SPACE IN EXISTING STAGE PANEL AND CONNECT USING (4)#2, (1)#8 G. IN 1-1/4" CONDUIT.
17. REFER TO PANEL SCHEDULE ON DRAWING CE600 FOR CIRCUITING INFORMATION FOR ELECTRIC HOISTS. REFER TO DRAWING CE402 FOR RIGGING SYSTEM RISER DIAGRAM.



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

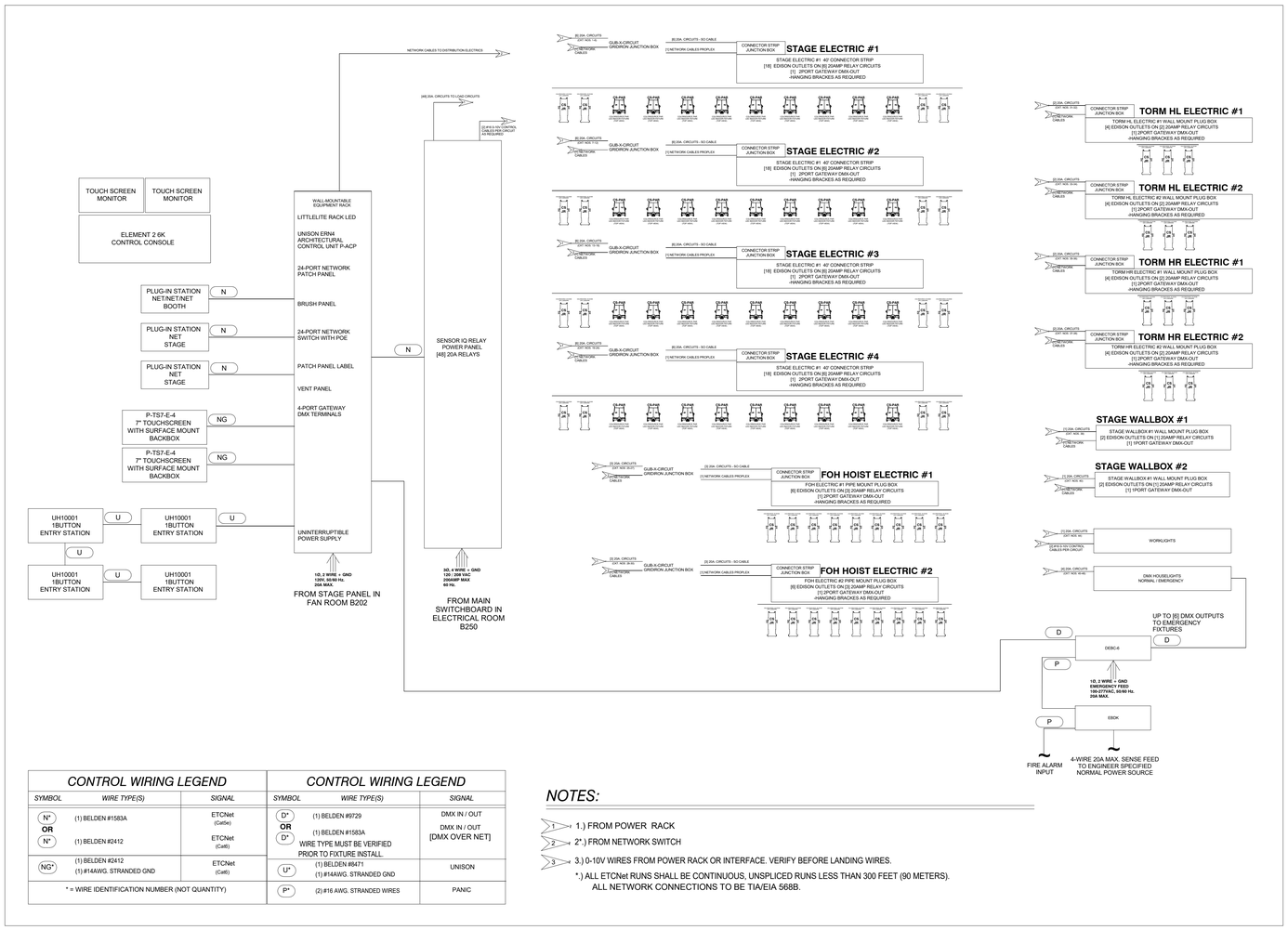
TETRA TECH
ARCHITECTS & ENGINEERS

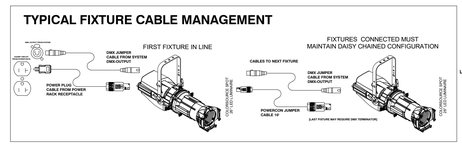
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

Auditorium Stage Lighting/Rigging Plans

Drawn By:	Date:	Drawing Number:
CR	10/13/2023	CE401
Project No.: 276721-23001		





CONTROL WIRING LEGEND		
SYMBOL	WIRE TYPE(S)	SIGNAL
N* OR N*	(1) BELDEN #1583A (1) BELDEN #2412	ETCNet (Cat5e) ETCNet (Cat6)
NG*	(1) BELDEN #2412 (1) #14AWG. STRANDED GND	ETCNet (Cat6)
* = WIRE IDENTIFICATION NUMBER (NOT QUANTITY)		

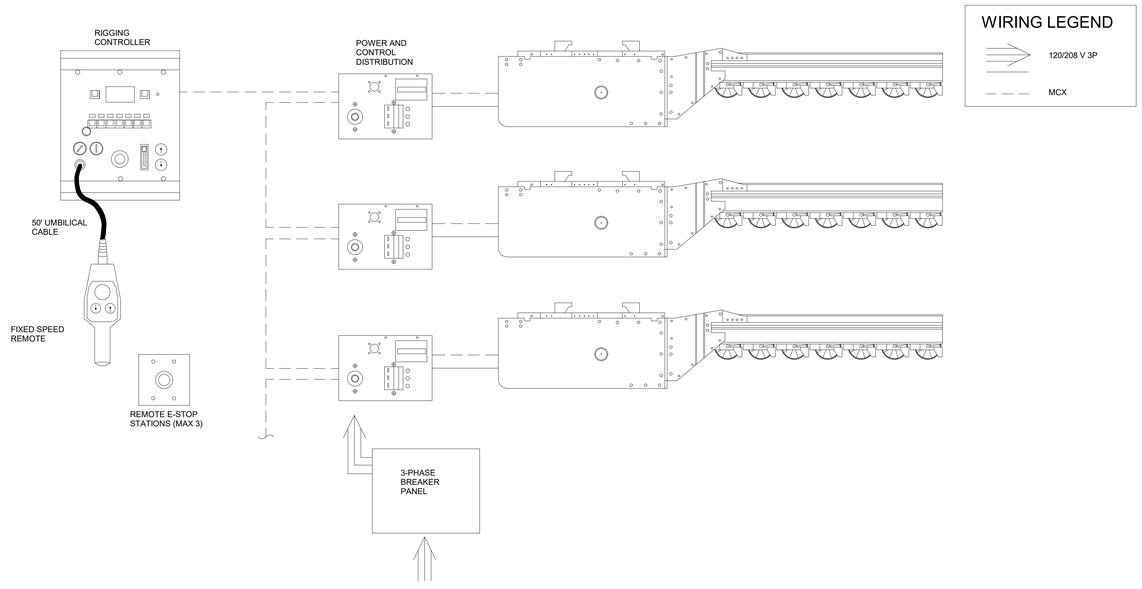
CONTROL WIRING LEGEND		
SYMBOL	WIRE TYPE(S)	SIGNAL
D* OR D*	(1) BELDEN #9729 (1) BELDEN #1583A WIRE TYPE MUST BE VERIFIED PRIOR TO FIXTURE INSTALL	DMX IN / OUT DMX IN / OUT [DMX OVER NET]
U*	(1) BELDEN #8471 (1) #14AWG. STRANDED GND	UNISON
P*	(2) #16 AWG. STRANDED WIRES	PANIC

NOTES:

1. 1.) FROM POWER RACK
2. 2*.) FROM NETWORK SWITCH
3. 3.) 0-10V WIRES FROM POWER RACK OR INTERFACE. VERIFY BEFORE LANDING WIRES.

*.) ALL ETCNet RUNS SHALL BE CONTINUOUS, UNSPLICED RUNS LESS THAN 300 FEET (90 METERS). ALL NETWORK CONNECTIONS TO BE TIA/EIA 568B.

1 Stage Lighting Riser
NTS



2 Rigging Hoist System Riser
NTS

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH ARCHITECTS & ENGINEERS

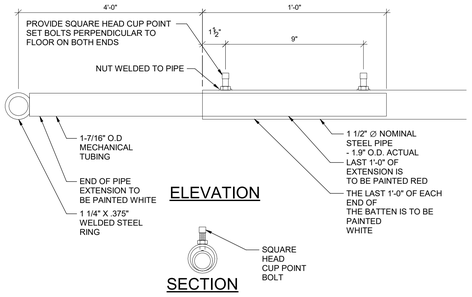
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

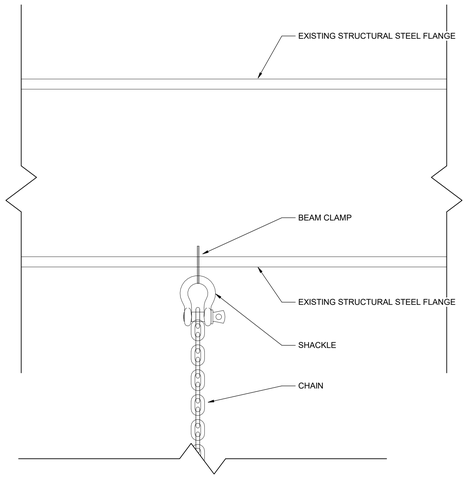
Auditorium Stage Lighting Risers

Drawn By:	Date:	Drawing Number:
CR	10/13/2023	CE402

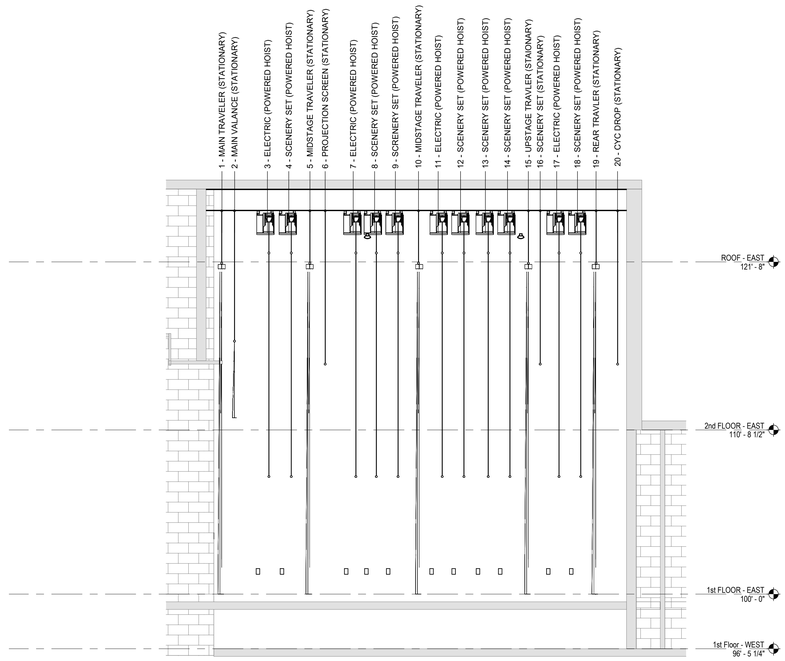
Project No.: 276721-23001



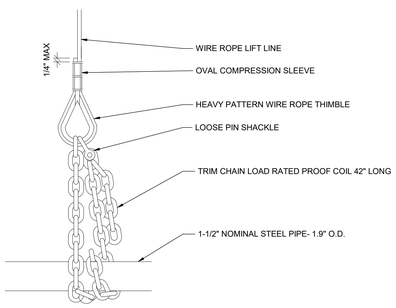
4 Batten Extention Detail
NTS



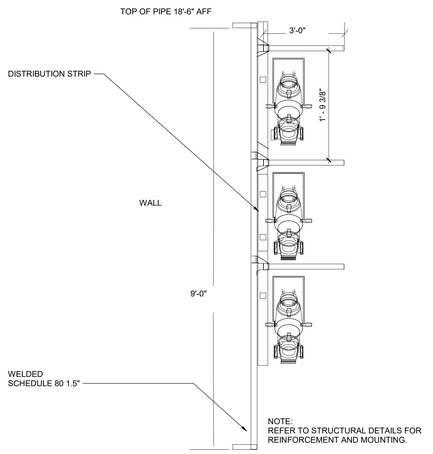
5 Static Pipe Connection Detail
NTS



1 Stage Section
1/4" = 1'-0"



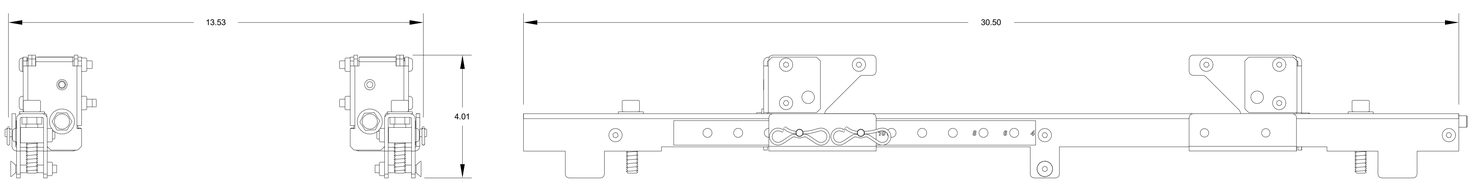
3 Batten Connection Detail
NTS



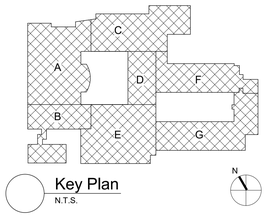
2 Stage Lighting Tormentor Detail
NTS

END VIEW

FRONT VIEW



6 Powerhead Beam Clamp Detail
3" = 1'-0"



Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

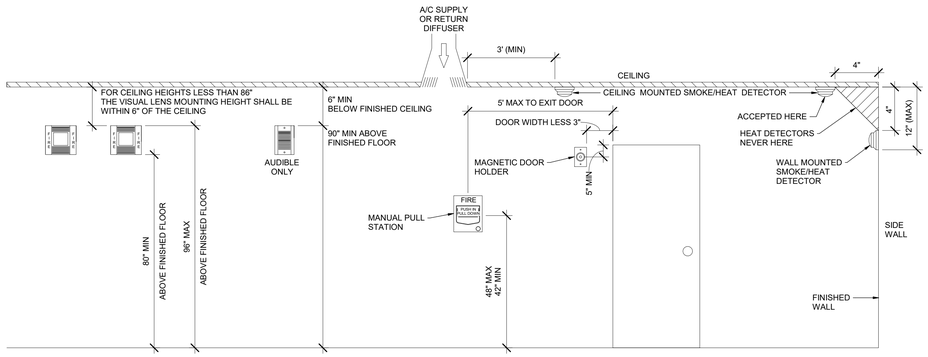
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

Auditorium Stage Rigging Section and Details

Drawn By:	Date:	Drawing Number:
Author	10/13/2023	CE403

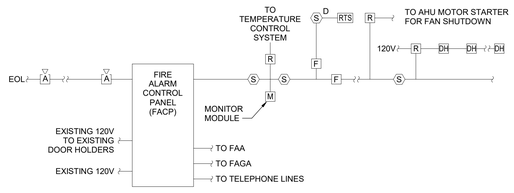
Project No.:
276721-23001



5 Typical Mounting Heights
NTS

DETECTOR LOCATION REQUIREMENTS (NFPA 72)		
d = DEPTH OF WALL SECTION ABOVE DOOR	DOOR FRAME MOUNTED (SMOKE DETECTOR LISTED FOR FRAME MOUNTING OR AS PART OF CLOSER ASSEMBLY)	CEILING MOUNTED (SMOKE DETECTOR)
0-24" ON BOTH SIDES OF DOORWAY	A d = 24" DETECTOR OR DETECTOR CLOSER MOUNTED ON EITHER SIDE	B d MAX. 5 FT. d MIN. BUT NOT LESS THAN 12" ONE DETECTOR MOUNTED ON EITHER SIDE
over 24" ON ONE SIDE ONLY	C d1 < 24" d2 > 24" DETECTOR OR DETECTOR CLOSER MOUNTED ON HIGHER SIDE	D d1 < 24" d2 > 24" 5 FT.MAX MIN. = d2 DETECTOR MOUNTED ON HIGHER SIDE
over 24" ON BOTH SIDES	E d > 24" DETECTOR OR DETECTOR CLOSER MOUNTED ON EITHER SIDE	F d 5 FT.MAX MIN. = d 5 FT.MAX MIN. = d TWO DETECTORS REQUIRED
over 60"	MIGHT REQUIRE ADDITIONAL DETECTORS	

6 Smoke Detector Mounting Requirements (per NFPA 72)
NTS



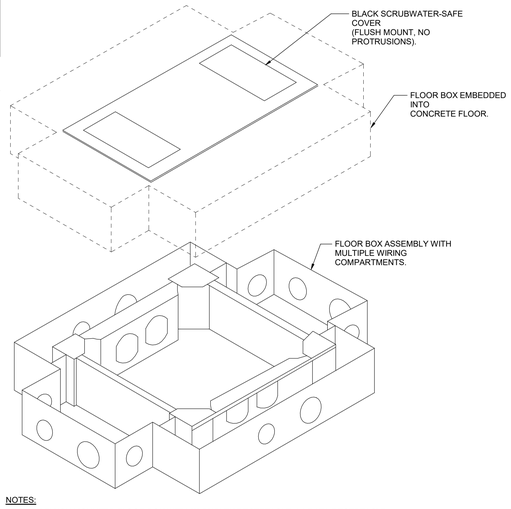
NOTE:
1. FIRE ALARM RISER IS INTENDED TO BE SCHEMATIC ONLY. ALL DEVICES INDICATED ON PLANS AND DETAILS ARE TO BE INSTALLED AND CONNECTED FOR PROPER OPERATION OF SYSTEM. WIRING SHALL BE AS REQUIRED BY FIRE ALARM MANUFACTURER.
2. FIELD VERIFY QUANTITY AND LOCATIONS OF HVAC EQUIPMENT REQUIRING DUCT DETECTORS AND/OR FAN SHUT DOWN RELAYS.

FIRE ALARM SEQUENCE OF OPERATION

A. UPON ACTIVATION OF MANUAL PULL STATIONS, HEAT DETECTORS, SMOKE DETECTORS, DUCT DETECTORS. THE FIRE ALARM PANEL WILL GO INTO ALARM AND SHOULD SOUND THE A/V DEVICES, SHUT DOWN THE FANS, RELEASE THE MAGNETIC DOOR HOLDERS, CONTACT THE LOCAL FIRE DEPARTMENT AND INDICATE WHICH ALARM ZONE THE ALARM IS IN VIA THE REMOTE ANNUNCIATORS.

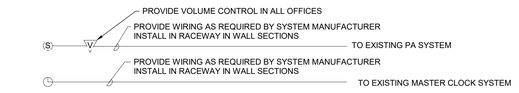
B. UPON ACTIVATION OF A TROUBLE CONDITION THE FIRE ALARM PANEL SHALL GO INTO "TROUBLE" MODE INDICATING WHICH ZONE IS IN TROUBLE BY A LIGHT IN THE REMOTE ANNUNCIATOR AND AT THE FIRE ALARM PANEL.

7 Fire Alarm System Wiring Diagram
NTS

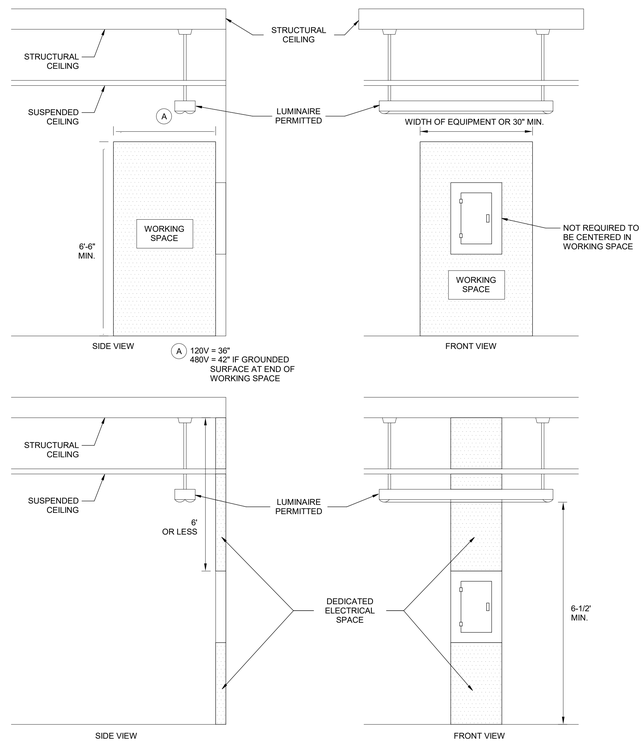


NOTES:
PROVIDE FLUSH MOUNTED FLOOR BOX WITH (2) DUPLEX RECEPTACLE, (1) DATA RECEPTACLE WITH (2) RJ-45 JACKS, AND (2) BLANK A/V COVER PLATES. INCLUDE CUSTOM FLUSH COVER FLOOR BOX IS TO BE INSTALLED EMBEDDED INTO CONCRETE WITH COVER FLUSH WITH FINISHED FLOOR.

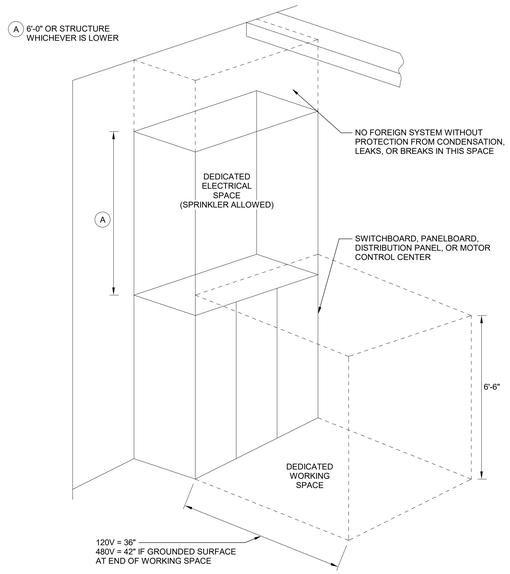
4 Floor Box
12" = 1'-0"



1 Clock and Speaker System Wiring Diagram
NTS



2 Working Space/ Dedicated Space at Panelboard
NTS



3 Working Space/Dedicated Space at Panelboard
NTS

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

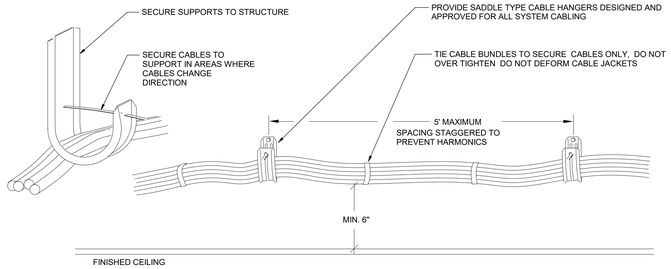
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

Details

Drawn By:	Date:	Drawing Number:
SAS	10/13/2023	CE500

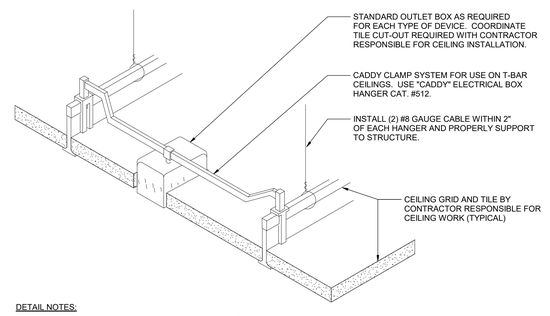
Project No.: 276721-23001



INSTALLATION NOTES:

1. LOCATE CABLE BUNDLES A MINIMUM OF 6" ABOVE REMOVABLE CEILINGS TO MAINTAIN CLEARANCE (ALONG WALLS WHERE POSSIBLE). LOCATE IN AREAS THAT ARE ACCESSIBLE.
2. USE 2 OR MORE CABLE HANGERS AT ALL TURNS TO MAINTAIN MANUFACTURER'S BEND RADIUS REQUIREMENTS.
3. THIS SUPPORT SYSTEM TO BE USED WHEREVER CABLE TRAY IS NOT INDICATED ON PLANS.

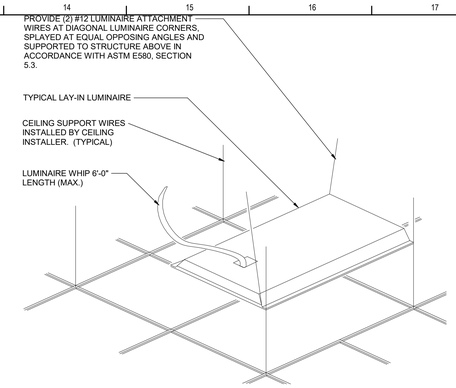
8 Typical Installation with Cable Hangars
NTS



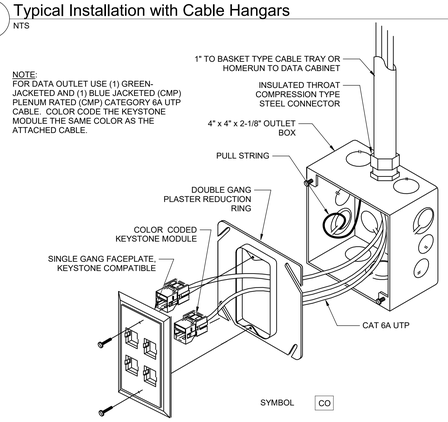
DETAIL NOTES:

A. IN AREAS RECEIVING NEW CEILINGS ALL CEILING MOUNTED ITEMS (DETECTORS, SPEAKERS, ETC) ARE TO BE CENTERED WITHIN THE PATTERN OF THE CEILING PANEL. A 2'X4' PANEL SCORED TO A 2'X2' PATTERN SHALL HAVE ITEMS CENTERED IN THE 2'x2' PORTION.
B. PROVIDE ADDITIONAL SUPPORT FOR EXIT SIGNS, WHERE REQUIRED.

4 Ceiling Mounting Device Detail
NTS

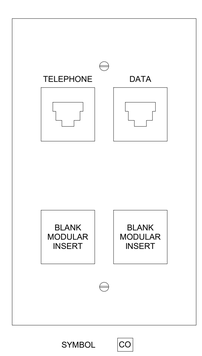


1 Typical Troffer Mounting Detail (Seismic Zones A,B,C)
NTS

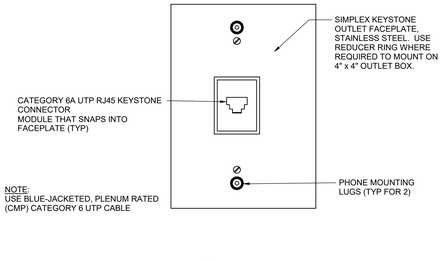


NOTE:
FOR DATA OUTLET USE (1) GREEN-JACKETED AND (1) BLUE JACKETED (CMP) PLENUM RATED (CMP) CATEGORY 6A UTP CABLE. COLOR CODE THE KEYSTONE MODULE THE SAME COLOR AS THE ATTACHED CABLE.

10 Data Outlet
NTS

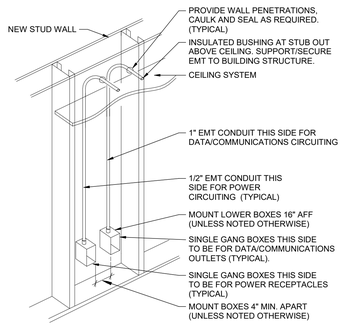


9 Typical Telephone Data Outlet Faceplate Configuration
NTS

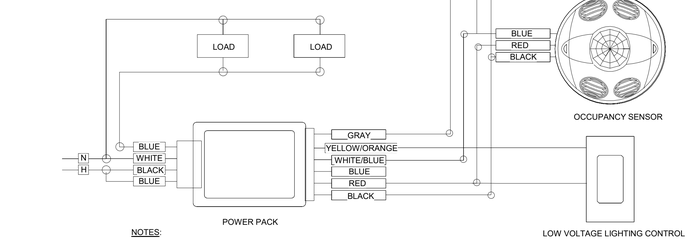


NOTE:
USE BLUE-JACKETED, PLENUM RATED (CMP) CATEGORY 6 UTP CABLE

5 Wall Phone
NTS



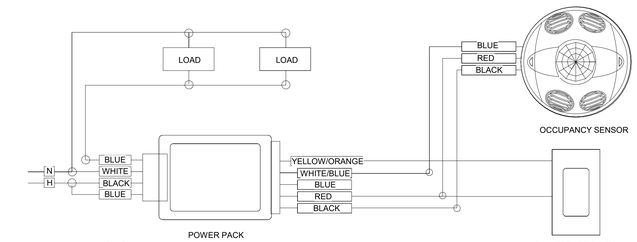
2 Conduit/Backbox Installation Detail
NTS



NOTES:

A. PAINT ALL SURFACE RACEWAY AND BOXES TO MATCH EXISTING SURFACES. (WHERE APPLICABLE).
B. PROVIDE RELAYS WHERE TWO OR MORE CIRCUITS FEED LIGHTING IN SAME ROOM.
C. ADJUST SENSITIVITY OF EACH OCCUPANCY SENSOR TO DETECT HUMAN MOVEMENT BUT NOT HVAC EQUIPMENT. ADJUST TIME DELAY FOR OPTIMUM PERFORMANCE. APPLY MASKING SEGMENTS TO DETECTION HEAD WHERE REQUIRED.
D. POWER PACK AND THE LOAD SWITCHED BY THE POWER PACK MUST BE FED FROM THE SAME PHASE.

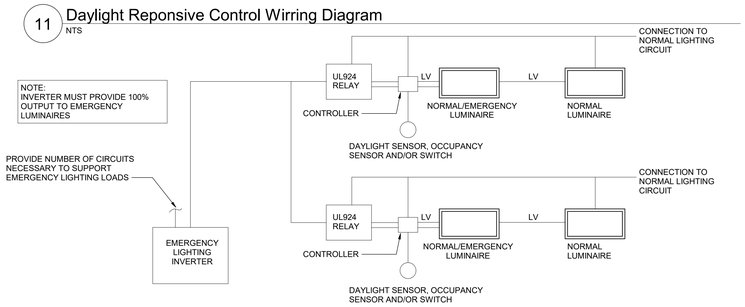
6 Occupancy Sensor Wiring Diagram
NTS



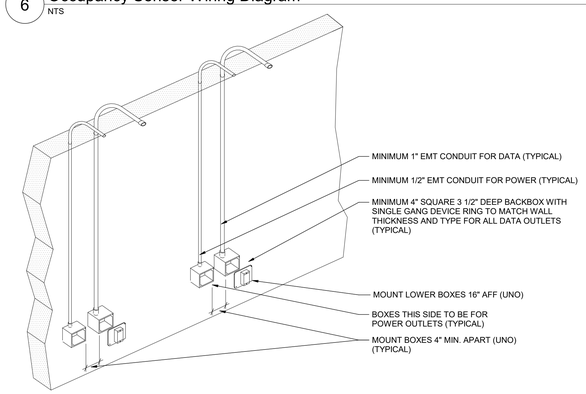
NOTES:

A. PAINT ALL SURFACE RACEWAY AND BOXES TO MATCH EXISTING SURFACES. (WHERE APPLICABLE).
B. PROVIDE ADDITIONAL POWER PACKS WHERE TWO OR MORE CIRCUITS FEED LIGHTING IN SAME ROOM.
C. ADJUST SENSITIVITY OF EACH OCCUPANCY SENSOR TO DETECT HUMAN MOVEMENT BUT NOT HVAC EQUIPMENT. ADJUST TIME DELAY FOR OPTIMUM PERFORMANCE. APPLY MASKING SEGMENTS TO DETECTION HEAD WHERE REQUIRED.
D. POWER PACK AND THE LOAD SWITCHED BY THE POWER PACK MUST BE FED FROM THE SAME PHASE.

11 Daylight Reponsive Control Wirring Diagram
NTS

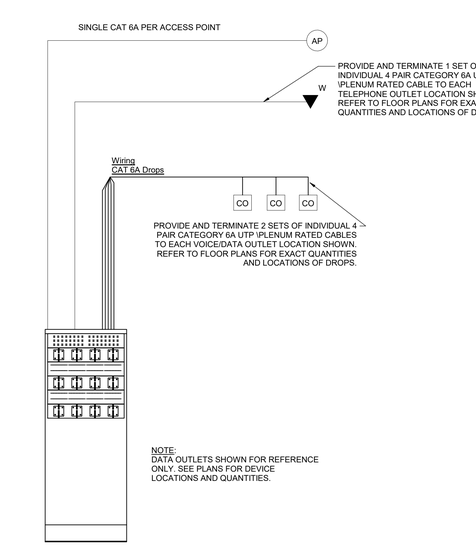


12 Emergency Miniature Inverter Wiring Diagram
NTS



NOTES:
1. PROVIDE LARGER BOXES AND CONDUIT SIZES WHEN REQUIRED TO ACCOMMODATE DEVICES AND WIRING
2. COORDINATE QUANTITY OF DEVICES AND TYPE OF DEVICE REQUIRED WITH FLOOR PLANS
3. COORDINATE CONDUIT LOCATIONS WITH OTHER TRADES AND OWNER PRIOR TO INSTALLATION

7 Conduit/Backbox Installation Detail
NTS



3 Data Distribution Riser Diagram
NTS

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

Details

Drawn By:	Date:	Drawing Number:
SAS	10/13/2023	CE501

Project No.: 276721-23001

LUMINAIRE SCHEDULE

TYPE	SYMBOL	DESCRIPTION	LAMPS			MANUFACTURERS (OR EQUAL)	
			WATTAGE	LUMENS	TYPE	NAME	MODEL OR SERIES
1		2' x 2' FLAT PANEL (RECESSED IN GRID)	25	2903	LED	UTOPIA LIGHTING	ULP-2G-22-L25 (3500K)
1 EM		SAME AS TYPE 1 - CONNECTED TO MINIATIRE INVERTER	25	2903	LED	UTOPIA LIGHTING	ULP-2G-22-L25 (3500K)
2		2' x 2' FLAT PANEL (RECESSED IN GRID)	30	3393	LED	UTOPIA LIGHTING	ULP-2G-22-L30 (3500K)
2 EM		SAME AS TYPE 2 - CONNECTED TO MINIATURE INVERTER	30	3393	LED	UTOPIA LIGHTING	ULP-2G-22-L30 (3500K)
3		2' x 2' FLAT PANEL (RECESSED IN GRID)	40	4404	LED	UTOPIA LIGHTING	ULP-2G-22-L40 (3500K)
3 EM		SAME AS TYPE 3 - CONNECT TO MINIATURE INVERTER	40	4404	LED	UTOPIA LIGHTING	ULP-2G-22-L40 (3500K)
4		.77" X .84" SUSPENDED LINEAR WITH DYNAMIC WHITE, REFER TO PLAN FOR LENGTHS	7.3/FOOT	442/FOOT	LED	LUMINII	45LD-35K8-DIM1-DV-5F-4H
5		4.5" ROUND DOWNLIGHT (RECESSED IN GYP)	17.9	953	LED	H.E. WILLIAMS	4DR-TL-L15-8-35-10W-DIM-UNV-RW-OF-CS
5 EM		SAME AS TYPE 5 - CONNECT TO MINIATURE INVERTER	17.9	953	LED	H.E. WILLIAMS	4DR-TL-L15-8-35-10W-DIM-UNV-RW-OF-CS
6		2" x 8' SLIM INDUSTURAL (SUSPENDED)	140.5	17866	LED	UTOPIA LIGHTING	SS-8-L1442-35-SF-UNV-AC
7		8" DMX DOWNLIGHT (RECESSED IN GYP)	71.3	5304	LED	UTOPIA LIGHTING	LAD8-70L-35K-PLW-O60
7 EM		8" DMX DOWNLIGHT (RECESSED IN GYP) - CONNECT TO MINIATURE INVERTER FOR 20% OUTPUT	14.26	5304	LED	UTOPIA LIGHTING	LAD8-70L-35K-PLW-O60
8		.75"X.72" FLEXIBLE RGBW CHANNEL ACCENT WITH CLEAR END CAPS (MOUNTED ON UNDERSIDE EDGE OF COUNTER, LENS DOWN-REFER TO PLAN FOR LENGTH)	6 WATT/FOOT	REFER TO MANUFACTURER	LED	QTRAN	BOXA-RGBW-SGC-IP20-RGBW-30-6.0-ENC/CL-S5-CL-E
20		EXIT SIGN CEILING MOUNT SEE PLANS FOR DIRECTIONAL INDICATORS	4.8		LED	H.E. WILLIAMS	EXIT-R-EM-WHT

** ALL LUMINAIRES ARE 120V

* MANUFACTURER AND MODEL NUMBER ARE PROVIDED TO SHOW BASIS OF DESIGN ONLY.

1 Luminaire Schedule
NTS

PANELBOARD: PPD1

Location: ELECTRICAL 117H — Surface **MOUNTED** — 10,000 **SYM. A.I.C....** — **ENCLOSURE TYPE** Type 1

AMP MAIN (LUGS) OR 100 A **AMP MAIN BREAKER WITH** 100 A **AMP TRIP**

208Y/120V VOLTS 3 **PHASE** 4 **WIRE** 60 **HERTZ** 100 A **AMP BUS** — **SE LABEL**

CKT NO.	POLES	TRIP AMPS	WIRE AWG	# OF WIRES	GRN. AWG	CONDUIT INCH	LOAD SERVED	A		B		C		LOAD SERVED	CONDUIT INCH	GRN. AWG	# OF WIRES	WIRE AWG	TRIP AMPS	POLES	CKT NO.
1	1	20 A					LTS: 117	1140 VA	533 VA					LTS: EMERGENCY					20 A	1	2
3	1	20 A					LTS: 117			847 VA	987 VA			LTS: 117, 120					20 A	1	4
5	1	20 A					RCPT: 117A					720 VA	720 VA	RCPT: 117B					20 A	1	6
7	1	20 A					RCPT: 117C	720 VA	540 VA					RCPT: 117H					20 A	1	8
9	1	20 A					RCPT: 117 (FLOOR...			360 VA	720 VA			RCPT: 120					20 A	1	10
11	1	20 A					RCPT: 121					900 VA	720 VA	RCPT: 121					20 A	1	12
13	1	20 A					RCPT: 117E	720 VA	900 VA					RCPT: 117					20 A	1	14
15	1	20 A					RCPT: 117F			1080 VA	720 VA			RCPT: 117D					20 A	1	16
17	1	20 A					RCPT: 117D					540 VA	1080 VA	RCPT: 117					20 A	1	18
19	1	20 A					RCPT: 117	720 VA	1260 VA					RCPT: 117 & CORR					20 A	1	20
21																					22
23																					24
25																					26
27																					28
29																					30
31																					32
33																					34
35																					36
37																					38
39																					40
41																					42
							TOTAL CONNECTED LOAD PER PHASE...	6470 VA		4675 VA		4680 VA										
								A		B		C									

* -GFCI BREAKER ** -SHUNT TRIP BREAKER

-PROVIDE BREAKER AS REQUIRED BY PANELBOARD MANUFACTURER FOR...

TOTAL CONNECTED LOAD: 44 A
TOTAL CONNECTED LOAD: 15.816 kVA

SUPPLIED FROM: MDP

PANELBOARD: PPC1

Location: FAN ROOM B202 — Surface **MOUNTED** — 10,000 **SYM. A.I.C....** — **ENCLOSURE TYPE** Type 1

AMP MAIN (LUGS) OR 100 A **AMP MAIN BREAKER WITH** 100 A **AMP TRIP**

208Y/120V VOLTS 3 **PHASE** 4 **WIRE** 60 **HERTZ** 100 A **AMP BUS** — **SE LABEL**

CKT NO.	POLES	TRIP AMPS	WIRE AWG	# OF WIRES	GRN. AWG	CONDUIT INCH	LOAD SERVED	A		B		C		LOAD SERVED	CONDUIT INCH	GRN. AWG	# OF WIRES	WIRE AWG	TRIP AMPS	POLES	CKT NO.
1								444 VA	444 VA												2
3	3	20 A					FOH ELEC HOIST #2			444 VA	444 VA			FOH ELEC HOIST #1					20 A	3	4
5												444 VA	444 VA								6
7								601 VA	601 VA												8
9	3	20 A					1ST ELEC HOIST			601 VA	601 VA			1ST SCENERY ELEC HOIST					20 A	3	10
11												601 VA	601 VA								12
13								601 VA	601 VA												14
15	3	20 A					2ND ELEC HOIST			601 VA	601 VA			2ND SCENERY HOIST					20 A	3	16
17												601 VA	601 VA								18
19								601 VA	601 VA												20
21	3	20 A					3RD SCENERY HOIST			601 VA	601 VA			3RD ELEC HOIST					20 A	3	22
23												601 VA	601 VA								24
25								601 VA	601 VA												26
27	3	20 A					4TH SCENERY HOIST			601 VA	601 VA			5TH SCENERY HOIST					20 A	3	28
29												601 VA	601 VA								30
31								601 VA	601 VA												32
33	3	20 A					6TH SCENERY HOIST			601 VA	601 VA			4TH ELEC HOIST					20 A	3	34
35												601 VA	601 VA								36
37								601 VA													38
39	3	20 A					7TH ELEC HOIST			601 VA											40
41												601 VA									42
							TOTAL CONNECTED LOAD PER PHASE...	7496 VA		7496 VA		7496 VA										
								A		B		C									

* -GFCI BREAKER ** -SHUNT TRIP BREAKER

-PROVIDE BREAKER AS REQUIRED BY PANELBOARD MANUFACTURER FOR...

TOTAL CONNECTED LOAD: 62 A
TOTAL CONNECTED LOAD: 22.488 kVA

SUPPLIED FROM: MDP

S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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BID SET

TETRA TECH
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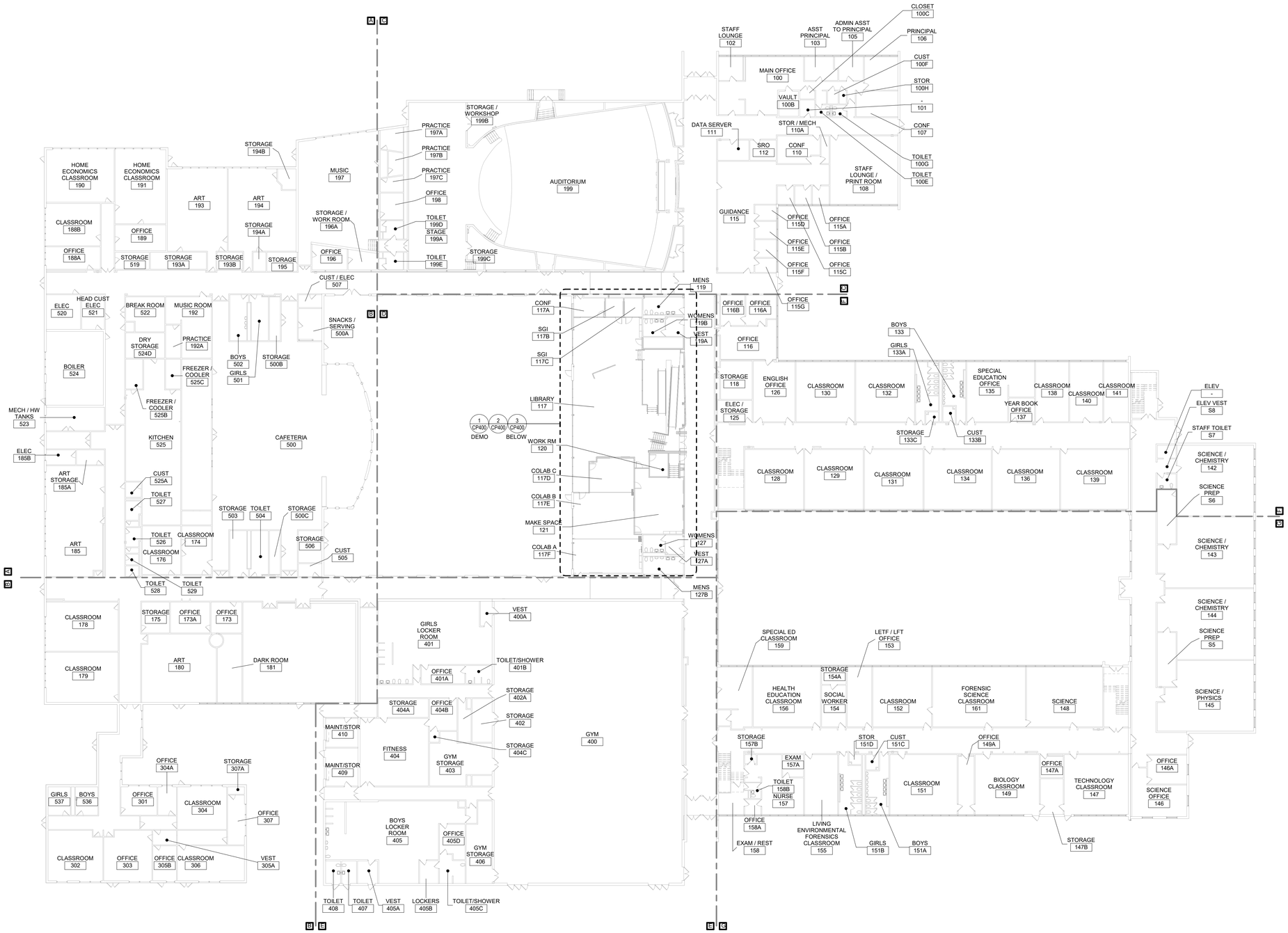
Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

Schedules

Drawn By:	Date:	Drawing Number:
SAS	10/13/2023	CE600
Project No.: 276721-23001		



1 First Floor Key Plan
1" = 20'-0"

General Notes

A. VERIFY ALL PIPING LOCATIONS, SIZES, AND ARRANGEMENTS IN FIELD PRIOR TO BID. NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES.

B. VERIFY IN FIELD INVERT AND DIRECTION OF FLOW IN EXISTING SOIL PIPE WHERE NEW SOIL PIPE IS TO BE CONNECTED TO EXISTING SOIL PIPE.

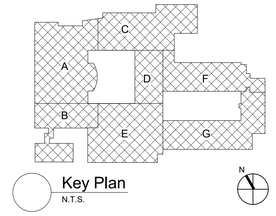
C. LEGALLY DISPOSE OF ALL DEMOLITION DEBRIS.

D. INCLUDE TRENCHING, CUTTING AND PATCHING OF FLOORS, WALLS AND CEILINGS, INCLUDING CEILING TILE REMOVAL AND REPLACEMENT, WHEN REQUIRED FOR PLUMBING WORK. PATCH ABANDONED OPENINGS AND DISTURBED FINISHES TO MATCH EXISTING. TAKE PRECAUTIONS TO PROTECT STRUCTURAL INTEGRITY OF FLOOR OR WALLS WHEN TRENCHING OR CUTTING.

E. MATERIALS FOR PLUMBING INSTALLATION SHALL BE NEW, UNLESS SPECIFICALLY NOTED OTHERWISE.

F. REFER TO DRAWING CP400 FOR PLUMBING FIXTURE ROUGH-IN SCHEDULE.

G. PROVIDE THROUGH PENETRATION FIRESTOPPING FOR FIRE RATED WALLS AND FLOORS. PENETRATIONS THROUGH EXISTING WALLS AND FLOORS ARE CONSIDERED TWO-HOUR PARTITIONS UNLESS SPECIFICALLY NOTED OTHERWISE. REFER TO ARCHITECTURE OR CODE COMPLIANCE DRAWINGS FOR LOCATION OF FIRE RATED WALLS AND FLOORS.



S.E.D. Control No. 66-24-01-06-0-011-023

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

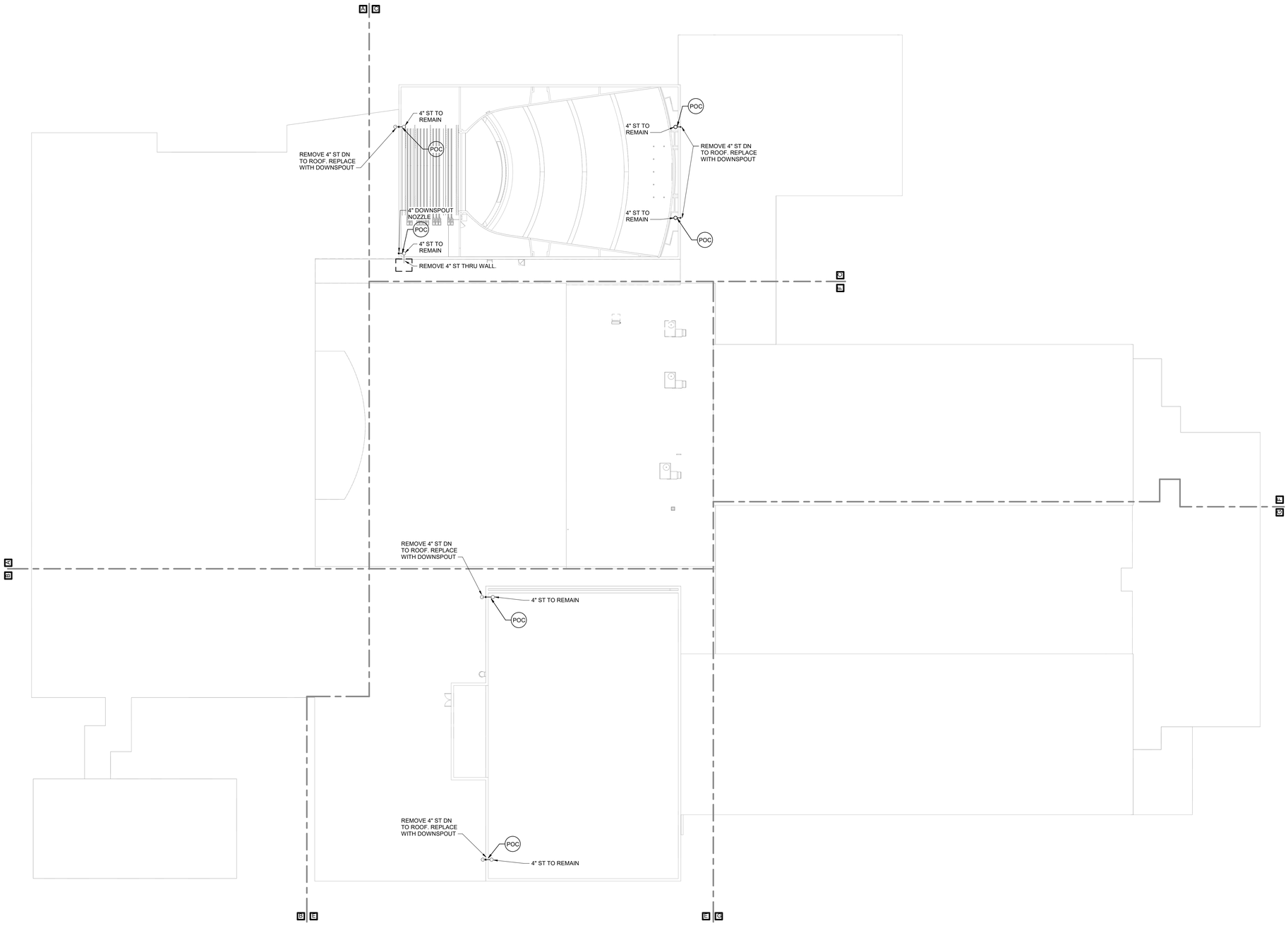
TETRA TECH ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

First Floor Key Plan

Drawn By:	Date:	Drawing Number:
DCG/sef	10/13/2023	CP050
Project No.: 276721-23001		



1 Roof Plan
1" = 20'-0"

Plan Notes

A. REFER TO DRAWING NO. CP050 FOR GENERAL NOTES.

Key Plan
N.T.S.

S.E.D. Control No. 66-24-01-06-0-011-023

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

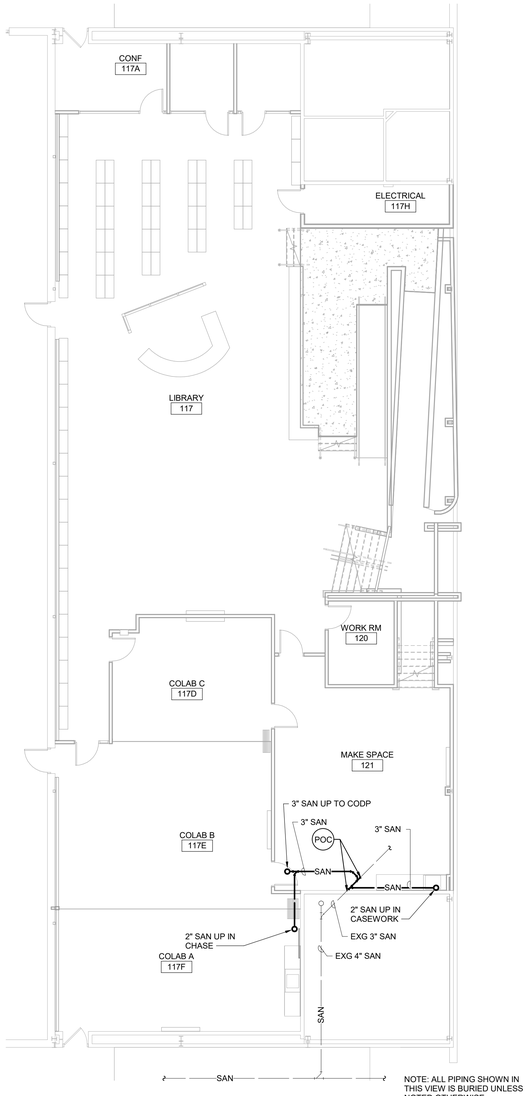
TETRA TECH
ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

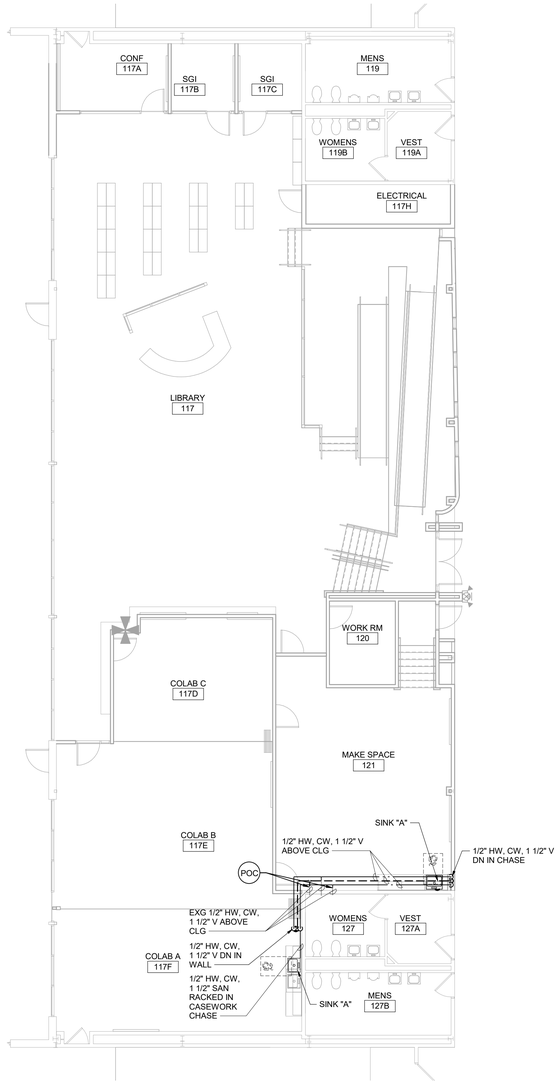
Reconstruction to:
Lakeland High School

Roof Plan

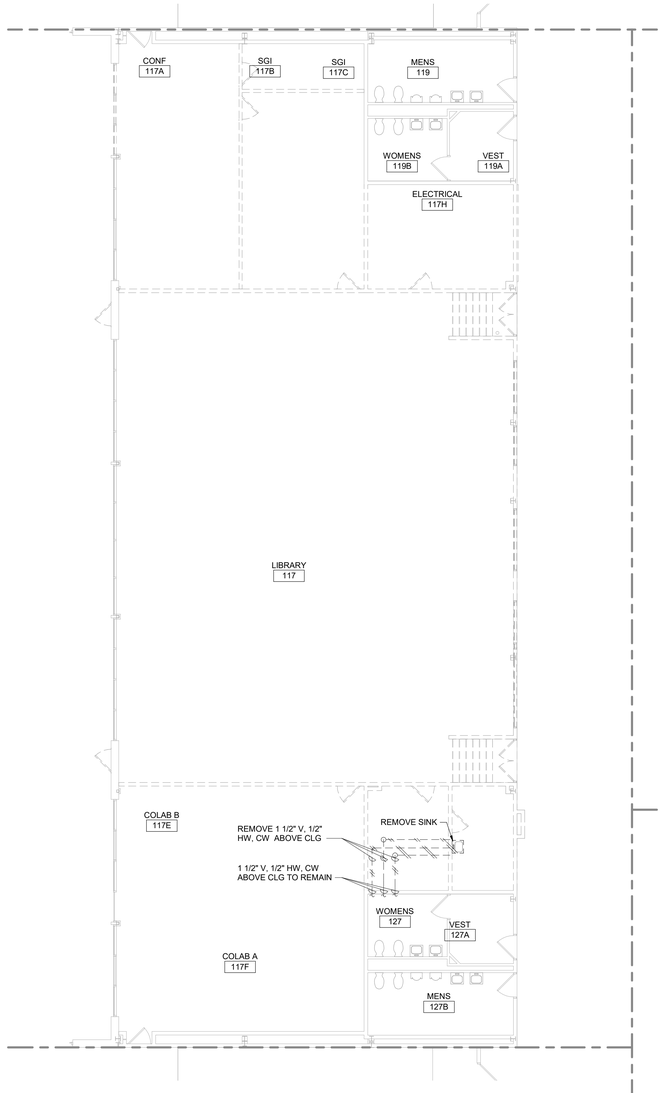
Drawn By:	Date:	Drawing Number:
DCG/ sef	10/13/2023	CP051
Project No.: 276721-23001		



3 Library Suite 117 Underslab Plan
1/8" = 1'-0"



2 Library Suite 117 Plan
1/8" = 1'-0"



1 Library Suite 117 Demolition Plan
1/8" = 1'-0"

Plan Notes

A. REFER TO DRAWING NO. CP050 FOR GENERAL NOTES.

B. REMOVE PLUMBING FIXTURES INDICATED, INCLUDING ASSOCIATED PIPING, FASTENERS, SUPPORTS, ETC., BACK TO POINTS OF CONCEALMENT WITHIN OR BEHIND REMAINING WALLS, BELOW FLOORS OR ABOVE CEILINGS.

C. REMOVE ABANDONED ACCESSIBLE PIPING TO MAIN BRANCHES, STACKS OR RISERS AS REQUIRED TO ELIMINATE EXPOSED PIPING AND DEAD END PIPING RUNS LONGER THAN 1'-0". COORDINATE CONCEALMENT OF PIPING WITH FINAL CONSTRUCTION OF WALLS, FLOORS AND CEILINGS.

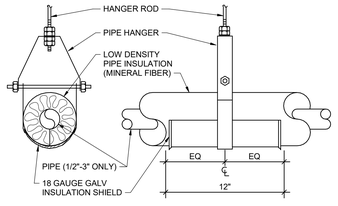
D. COORDINATE WORK WITH ABATEMENT DRAWINGS AND SPECIFICATIONS.

Plumbing Fixture Schedule

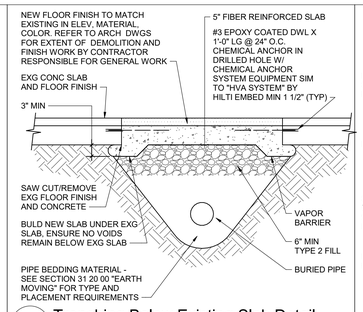
DWG LABEL	ROUGH-IN CONNECTION SIZE (INCHES)				BARRIER FREE	AGE GROUP	RIM HEIGHT	DESCRIPTION	NOTES
	SAN	VENT	CW	HW					
SINK "A"	1 1/2	1 1/2	1/2	1/2	YES	ADULT	-	ACCESSIBLE, STAINLESS STEEL, COUNTER MOUNTED SINK W/ MANUAL, SINGLE CONTROL MIXING FAUCET W/ SWING SPOUT, SUPPLIES, OFFSET DRAIN FITTING AND TRAP.	1, 2, 3

NOTES:

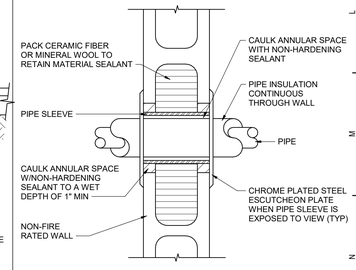
1. SIZES INDICATED ARE MINIMUM. LARGER SIZES SPECIFICALLY INDICATED ON DRAWINGS SUPERCEDE MINIMUM SIZES INDICATED IN THIS SCHEDULE.
2. PROVIDE TERMINATION STYLE AND SIZE FOR FIXTURE CONNECTIONS AS INDICATED BY FIXTURE MANUFACTURER.
3. DRAIN AND TRAP CONCEALED BEHIND ADA CASEWORK PANEL. REFER TO DETAILS ON ARCHITECTURE DRAWINGS.



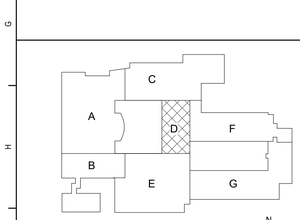
6 Insulation Shield Detail
NTS



5 Trenching Below Existing Slab Detail
NTS



4 CMU Wall Pipe Sleeve Detail
NTS



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BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

Lakeland Central School District
Shrub Oak, New York

Reconstruction to:
Lakeland High School

Partial Floor Plans - Area D, Details, and Schedules

Drawn By:	Date:	Drawing Number:
DCG/sef	10/13/2023	CP400

Project No.: 276721-23001