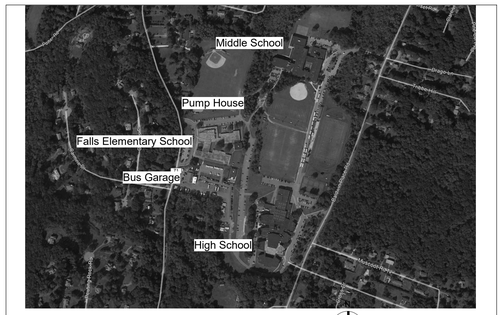
Alterations to:
High School
Middle School
Falls Elementary School
Bus Garage
New Building: Pump House

Mahopac Central School District
Mahopac, NY

48-01-01-06-0-004-020
48-01-01-06-0-006-013
48-01-01-06-0-003-008
48-01-01-06-0-010-009
48-01-01-06-7-026-001



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High School (A-Series)

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High School (A-Series)

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High School (A-Series)

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AP500 Details
AP600 Schedules

Drawn By:	Date:	Drawing Number:
TTAE	08/21/20	AA130
Project No.:		
121111-19002		

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.

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

121111-19002
08/21/20

Set No.

Drawing Number:
G001

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

Site Symbols

- + 83.36 — SPOT ELEVATION
- + 99.50 TC / 99.00 BC — TOP OF CURB ELEVATION / BOTTOM OF CURB ELEVATION
- + 83.36 — EXISTING SPOT ELEVATION
- 136 — CONTOUR
- 136 — EXISTING CONTOUR
- TB-1 — SOIL TEST BORING
- TP-1 — 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
- ST — STORM LINE WITH HEADWALL
- ST — STORM LINE WITH ENDWALL
- ST — STORM LINE WITH END SECTION
- ST — STORM PIPE
- ST — STORM PIPE TO REMAIN
- ST — STORM PIPE TO BE REMOVED/ABANDONED
- UD — UNDERDRAIN
- UD — UNDERDRAIN TO REMAIN
- UD — UNDERDRAIN TO BE REMOVED/ABANDONED
- SAN — SANITARY LINE
- SAN — SANITARY LINE TO REMAIN
- SAN — SANITARY LINE TO BE REMOVED/ABANDONED
- G — GAS LINE
- G — GAS LINE TO REMAIN
- G — GAS LINE TO BE REMOVED/ABANDONED
- W — WATER LINE
- W — WATER LINE TO REMAIN
- W — WATER LINE TO BE REMOVED/ABANDONED
- CO — 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
- 100 / 1 — DOOR NUMBER (ROOM NO W/ DOOR NO)
- A — WINDOW TYPE
- 126 — RELOCATED EQUIPMENT FURNITURE OR CASEWORK NUMBER
- P3.8 — PARTITION TYPE
- MGM — 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 L — 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] <-1'-8> — TOP OF FTG ELEVATION FROM DATUM; CONTINUOUS FTG; FOUNDATION WALL; BM POCKET ELEVATION FROM DATUM; STEPPED FOOTING
- P1 (-8) F4 [-3'-0] — INDICATES PIER TYPE; TOP OF PIER ELEVATION FROM DATUM; 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
- (-6) W8X15 [14] (GIR) 21K 0.7 21K — ELEVATION FROM DRAWING DATUM; BEAM SIZE; NUMBER OF SHEAR STUDS OVER FULL LENGTH OF BEAM; INDICATES TOP OF BEAM AT ADJ GIRDER ELEV; END REACTION- KIPS; DEFLECTION (INCHES) APPROX W/ WET CONC
- L-2 E — 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
- 12K3 — JOIST DESIGNATION; INDICATES BEAM FRAMES / HORIZONTAL BRIDGING; 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 PREVENTOR
- 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
- STEAM TRAP
- T — 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
- F — 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
- # — LIGHT FIXTURE # DENOTES TYPE
- DLS — DAYLIGHT SENSOR
- AR # — AREA OF RESCUE LIGHT FIXTURE # DENOTES TYPE
- # — POLE MOUNTED SITE LIGHT # DENOTES TYPE
- $ — LOW VOLTAGE LIGHTING CONTROL
- TC — TIME CLOCK
- OS — OCCUPANCY SENSOR
- VS — VACANCY SENSOR
- PC — PHOTO CELL
- LC — LIGHTING CONTROL
- F — FIRE ALARM MANUAL PULL STATION
- F F — FIRE ALARM BELL- W/STROBE W/0 STROBE
- F F — FIRE ALARM HORN- W/STROBE W/0 STROBE
- S — SMOKE DETECTOR
- B — BEAM SMOKE DETECTOR
- S D — DUCT SMOKE DETECTOR
- H — RATE OF RISE HEAT DETECTOR
- H F — FIXED HEAT DETECTOR
- S — FIRE ALARM STROBE LIGHT
- 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
- TV — TELEVISION OUTLET
- CO — COMPUTER OUTLET
- A/V — 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 COMPUTER
- C — OVERHEAD COMPUTER

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 = AUXILLARY 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 / A12 — 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
- N — NORTH ARROW
- CLASSROOM 101 — ROOM NAME AND NUMBER
- PROPERTY LINE
- CUT LINE
- A — COLUMN CENTER LINE
- CENTER LINE
- A 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

High School
S.E.D. Control No.48-01-01-06-0-004-020

Middle School
S.E.D. Control No.48-01-01-06-0-006-013

Falls Elementary School
S.E.D. Control No. 48-01-01-06-0-003-008

Bus Garage
S.E.D. Control No.48-01-01-06-0-010-009

Pump House
S.E.D. Control No.48-01-01-06-0-000-000

Rev. No.:	Date:	Description:

complex world | CLEAR SOLUTIONS

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

TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Alterations to:

Symbols and Abbreviations

Drawn By:	Date:	Drawing Number:
TTAE	08/21/20	G100
Project No.: 121111-19002		

Abbreviations

NOTE: REFER TO FINISH PLANS FOR ROOM FINISH KEY AND ADDITIONAL ABBREVIATIONS AND TYPES

AAC ASBESTOS ABATEMENT CONTRACTOR
AAD AUTOMATIC AIR DAMPER
AB ANCHOR BOLT, AIR BARRIER
AC AIR CONDITIONING, ALTERNATING CURRENT
ACCMP ASPHALT COATED CORR METAL PIPE
ACM ASBESTOS CONTAINING MATERIAL
ACT ACOUSTICAL CEILING TILE
ACU AIR CONDITIONICO NG UNIT
AD AREA DRAIN
ADA AMERICAN DISABILITIES ACT
ADD ADDENDUM
ADDL ADDITIONAL
ADDN ADDITION
ADH ADHESIVE
ADJ ADJACENT
ADR ACCESS DOOR
AESS ARCH EXPOSED STRUCTURAL STEEL
AFF ABOVE FINISH FLOOR
AH ACCESS HATCH
AHU AIR HANDLING UNIT
AIB AIR INFILTRATION BARRIER
ALT ALTERNATE
ALTB ACOUSTICALLY LINED TRANSFER BOX
ALTN ALTERATION ALUM ALUMINUM
AMP AMPERE
ANOD ANODIZED
ANT ACID NEUTRALIZATION TANK
AP ACCESS PANEL
APPROX APPROXIMATE (LY)
APC ARCHITECTURAL PRECAST CONCRETE
ARCH ARCHITECT (URAL)
A/S AIR SEPARATOR
ASB ASBESTOS
ASPH ASPHALT
ATV ATMOSPHERIC VENT
AUD AUDITORIUM
AUTO AUTOMATIC
AVE AVERAGE

B BOILER, BRICK, BOTTOM
BB BASKETBALL
BBD BOILER BLOWDOWN
BC BOTTOM OF CURB
BCU BLOWER COIL UNIT
BCX BOTTOM CHORD EXTENSION
BD BOARD
BDD BACKDRAFT DAMPER
BFP BACK FLOW PREVENTER
BG BOTTOM GRILLE
BIT BITUMINOUS
BLDG BUILDING BLOCK
BLK BLOCKING BLKG
BM BEAM

BO BY OTHERS
BOD BOTTOM OF DUCT
BOF BOTTOM OF FOOTING
BOS BOTTOM OF STEEL
BOT BOTTOM
BPL BEARING PLATE
BR BOTTOM REGISTER
BRDG BRIDGING
BRG BEARING
BRK BRICK
BRSH BRICKSHELF
BRZ BRONZE
BS BOTH SIDES, BOTTOM OF STAIR
BSMT BASEMENT
BSPL BACKSPLASH
BT BENT
BTU BRITISH THERMAL UNITS
BTUH BRITISH THERMAL UNITS PER HOUR
BUR BUILT-UP ROOFING
BW BOTTOM OF WALL
BWC BACK WATER CHECK VALVE

C CONDUIT, CONVECTOR, CONDENSOR, COMMON, CARPET
CA COMPRESSED AIR
CAB CABINET
CATV CABLE TELEVISION
CB CATCH BASIN, CIRCUIT BREAKER, CHALKBOARD
CCTV CLOSED CIRCUIT TELEVISION
CD CEILING DIFFUSER, CONDENSATE DRAIN
CEM CEMENT
CER CERAMIC CF CUBIC FEET, CEILING FAN
CFM CUBIC FEET PER MINUTE
CFMF COLD FORMED METAL FRAMING
CFT CERAMIC FLOOR TILE
CG CEILING GRILLE
CHAN CHANNEL
CHUV CEILING HUNG UNIT VENTILATOR
CI CAST IRON
CIP CAST IN PLACE
CIRC CIRCUMFERENCE
CJ CONTROL JOINT
CL CENTER LINE
CLG CEILING
CLKG CAULKING
CLL CONTRACT LIMIT LINE
CLR CLEAR (ING) (ENCE)
CLRM CLASSROOM
CMP CORRUGATED METAL PANEL
CMT CERAMIC MOSAIC TILE
CMU CONCRETE MASONRY UNIT
CO CLEAN OUT
CODP CLEAN OUT DECK PLATE
COL COLUMN
COMB COMBINATION
COMP COMPRESS (ED) (ION) (IBLE), COMPOSITE
CONC CONCRETE
COND CONDENSATE
CONN CONNECTION

CONST CONSTRUCTION
CONT CONTINOUS
CONTR CONTRACT (OR)
COORD COORDINATE
CORR CORRUGATED, CORRIDOR
COWP CLEAN OUT WALL PLATE
CPVC CHLORINATED POLY VINYL CHLORIDE
CR CEILING REGISTER
CRS COURSE (S)
CSK COUNTERSINK
CSMT CASEMENT
CT COMPUTER TERMINAL, CERAMIC BASE TILE
CTD COATED
CTOP COUNTER TOP
CTR CENTER
CU CUBIC
CUH CABINET UNIT HEATER
CV CONVECTOR, CURB VALVE
CW COLD WATER
CWR CHILLED WATER RETURN
CWS CHILLED WATER SUPPLY
CWT CERAMIC WALL TILE

D DIESEL FUEL, DEPTH
DB DRY BULB
DC DIRECT CURRENT
DDC DIRECT DIGITAL CONTROL
DE DELONIZED WATER
DEG DEGREES
DEMO DEMOLISH
DEP DEPRESS (ED) (ION)
DET DETAIL (ED)
DF DRINKING FOUNTAIN
DH DOUBLE HUNG
DHU DEHUMIDIFICATION UNIT
DI DROP INLET, DUCTILE IRON, DISTILLED WATER
DIA DIAMETER
DIAG DIAGONAL
DIM DIMENSION
DISP DISPENSER
DIST DISTANCE
DIV DIVISION
DL DEAD LOAD
DN DOWN
DO DITTO
DP DAMPPROOF (ING)
DPR DAMPER
DR DOOR, DEEP RIB
DWG DRAWING
DS DOWNSPOUT, DRAINAGE STRUCTURE
DT DRAIN TILE
DTA DOVETAIL ANCHOR
DTL DETAIL
DW DUMBWAITER, DISHWASHER
DWL DOWEL
DWR DRAWER

E EAST
EA EXHAUST AIR, EACH
EAT ENTERING AIR TEMPERATURE

EB EXPANSION BOLT
EC ELECTRICAL CONTRACTOR
ECF ENHANCED CONCRETE FLOORING
EIFS EXTERIOR INSULATION SYSTEM
EF EACH FACE, EXHAUST FAN
EJ EXPANSION JOINT
ELEC ELECTRIC (AL)
ELEM ELEMENT
ELEV ELEVATION, ELEVATOR
EM EMERGENCY
EMT ELECTRICAL METALLIC TUBING
ENC ENCLOSURE
EOD EDGE OF DECK
EOS EDGE OF SLAB
EQ EQUAL, EQUIVALENT
EQC EQUIPMENT CONTRACTOR
EQUIP EQUIPMENT
ES EXPOSED SURFACE, EXPOSED STRUCTURE
ESF ELASTIC SHEET FLASHING
ESM ELASTIC SHEET MEMBRANE
EW EACH WAY
EWC ELECTRIC WATER COOLER
EWT ENTERING WATER TEMPERATURE
EXH EXHAUST
EXG EXISTING
EXP EXPANSION
EXT EXTERIOR, EXTERNAL

F FAHRENHEIT
FA FIRE ALARM
FAI FRESH AIR INTAKE
FCU FAN COOLING UNIT
FD FLOOR DRAIN, FIRE DAMPER
FDC FIRE DEPARTMENT CONNECTION
FE FIRE EXTINGUISHER
FEC FIRE EXTINGUISHER CABINET
FF FINISH FLOOR, FACTORY FINISH
FFE FINISH FLOOR ELEVATION
FFL FINISH FLOOR LINE
FG FLOOR GRILLE
FH FIRE HYDRANT
FHC FIRE HOSE CABINET
FIN FINISH (ED)
FIXT FIXTURE
FL FLUSH
FLD FLOOR DUCT
FLEX FLEXIBLE
FLG FLASHING
FLR FLOOR (ING)
FLUOR FLUORESCENT
FM FLOOR MOUNTED
FMC FLEXIBLE METAL CONDUIT
FND FOUNDATION
FOB FREIGHT ON BOARD, FLAT ON BOTTOM
FOG FUEL OIL GAUGE
FOR FUEL OIL RETURN
FOS FUEL OIL SUPPLY
FOT FLAT ON TOP
FP FIREPROOF (ING)
FPM FEET PER MINUTE
FR FRAME, FLOOR REGISTER

FRA FRESH AIR
FRC FIRE RESISTANT COATING
FRP FIBERGLASS REINFORCED PANEL
FRT FIRE RETARDANT
FS FLOOR SINK
FSD FIRE AND SMOKE DAMPER
FT FEET, FLOOR TREATMENT
FTG FOOTING
FTR FIN TUBE RADIATION
FV FLUSH VALVE

G GAS, GLYCOL
GA GAUGE
GAL GALLON
GALV GALVANIZED
GASK GASKET (ED)
GC GENERAL CONTRACT (OR)
GCMU GLAZED CONCRETE MASONRY UNIT
GCO GRADE CLEANOUT GF GROUND FACE
GL GLASS, GLAZING
GND GROUND
GPM GALLONS PER MINUTE
GR GRADE (ING), GLYCOL RETURN
GS GLYCOL SUPPLY
GVL GRAVEL
GWB GYPSUM WALL BOARD
GYP GYPSUM

H HEIGHT
HB HOSE BIB
HBD HARD BOARD
HC HEATING CONTRACT (OR), HANDICAP
HCR HOT/CHILLED RETURN
HCS HOT/CHILLED SUPPLY
HD HEAVY DUTY
HDPE HIGH DENSITY POLYETHYLENE
HDR HEADER
HDW HARDWARE
HG HOT GLYCOL
HIP HIGH IMPACT PANEL
HM HOLLOW METAL
HORZ HORIZONTAL
HP HORSEPOWER, HIGH PRESSURE, HEAT PUMP
HPS HEAT PUMP LOOP WATER SUPPLY
HPR HEAT PUMP LOOP WATER RETURN
HPC HIGH PERFORMANCE COATING
HPL HIGH PRESSURE LAMINATE
HR HANDRAIL, HOUR
HT HEIGHT
HTG HEATING
HV HIGH VOLTAGE
HVAC HEATING/VENTILATING/AIR CONDITIONING
HVU HEATING AND VENTILATING UNIT
HW HOT WATER
HWH HOT WATER HEATER
HWP HOT WATER PUMP
HWR HOT WATER RETURN
HWS HOT WATER SUPPLY

ID INSIDE DIAMETER
IE INVERT ELEVATION

IN INCHES
INCL INCLUDE (D) (ING)
INS INSULATE (D) (ION)
INT INTERIOR
INV INVERT
IP IRON PIPE
IPS IRON PIPE SIZE
IW INDIRECT WASTE

J JANITORS CLOSET
JAN JANITORS CLOSET
JB JUNCTION BOX
JC JANITORS CLOSET
JCT JUNCTION
JT JOINT

KW KILOWATT
KWH KILOWATT PER HOUR
KV KILOVOLT
KVA KILOVOLT AMPERE

L LENGTH, LONG
LAB LABORATORY
LAD LADDER
LAM LAMINATE (D)
LAT LEAVING AIR TEMPERATURE
LAV LAVATORY
LB POUND
LBL LABEL
LBP LEAD BASED PAINT
LC LANDSCAPE CONTRACTOR (SITE)
LCC LEAD COATED COPPER
LDR LEADER
LEV LEVEL
LV LABORATORY VENT
LW LABORATORY WASTE

LF LINEAR FOOT
LFMC LIQUID-TIGHT FLEXIBLE METAL CONDUIT
LFNC LIQUID-TIGHT FLEXIBLE NONMETALLIC CONDUIT
LG LENGTH, LONG
LGI LARGE GROUP INSTRUCTION
LH LEFT HAND
LIN LINEAR
LKR LOCKER
LL LIVE LOAD
LP LOW PRESSURE
LPC LOW PRESSURE CONDENSATE
LPS LOW PRESSURE STEAM
LPT LOW POINT
LS LINOLEUM SHEET
LT LIGHT, LINOLEUM TILE
LTL LINTEL
LV LOW VOLTAGE
LVR LOUVER
LWT LEAVING WATER TEMPERATURE

MAN MANUAL
MAS MASONRY
MAT MATERIAL
MAU MAKE UP AIR UNIT

MAX MAXIMUM
MB MARKER BOARD
MBH THOUSAND BTUH
MBR MEMBER
MD MOTORIZED DAMPER
ME MECHANICAL EQUIPMENT
MECH MECHANICAL (LY)
MED MEDIUM
MEMB MEMBRANE
MEZZ MEZZANINE
MF MIXING FAUCET
MFR MANUFACTURE (R)
MH MAN HOLE
MIN MINIMUM
MIR MIRROR
MISC MISCELLANEOUS
MO MASONRY OPENING
MOD MODULE (OR), MODEL
MR MOP RECEPTOR
MP MULTICOLOR WALL COATING
MT MOUNT
MTD MOUNTED
MTG MOUNTING
MTL METAL
MTH MARBLE THRESHOLD
MTR METER
MULL MULLION
MVEJ MASONRY VENEER EXPANSION JOINT
N NORTH, NO WORK REQUIRED
NAT NATURAL
NC NORMALLY CLOSED
NEC NATIONAL ELECTRIC CODE
NEG NEGATIVE
NEUT NEUTRALIZATION
NIC NOT IN CONTRACT
NO NUMBER, NORMALLY OPEN
NOM NOMINAL
NRC NOISE REDUCTION COEFFICIENT
NTS NOT TO SCALE

OA OVERALL, OUTSIDE AIR
OC ON CENTER
OD OUTSIDE DIAMETER
OH OVERHEAD
OPNG OPENING
OPP OPPOSITE
OPP HD OPPOSITE HAND

P PAINT SURFACE(S) INCLUDING SOFFITS
PAR PARALLEL
PART PARTITION
PC PLUMBING CONTRACT (OR), PIGMENTED CONCRETE
PCC PRECAST CONCRETE
PE PORCELAIN ENAMEL
PENC PRE-EXISTING NON-CONFORMING
PERF PERFORATE (ION) (ED)
PERI PERIMETER
PERP PERPENDICULAR
PL PLATE, PROPERTY LINE
PLAM PLASTIC LAMINATE

PLAS PLASTER, PLASTIC
PLF POUNDS PER LINEAR FOOT
PLYWD PLYWOOD
PM PLUGMOLD
PNL PANEL
POC POINT OF CURVATURE, POINT OF CONNECTION
POL POLISHED
POS POSITIVE
POT POINT OF TANGENCY
PR PAIR
PRE POWER ROOF EXHAUSTER
PREP PREPARE (ATION)
PRF PREFORMED
PROJ PROJECT
PS PAINT EXPOSED STRUCTURE/DECK
PSF POUNDS PER SQUARE FOOT
PSI POUNDS PER SQUARE INCH
PT POINT, PORCELAIN TILE
PTD PAINTED
PTFR PRESSURE TREATED FIRE RETARDANT
PTP PRESSURE TREATED PRESERVATIVE
PVC POLYVINYL CHLORIDE
PVMT PAVEMENT
PWE POWER WALL EXHAUSTER

QF QUARTZ FLOORING
QT QUARRY TILE

R RADIUS, RETURN, REFRIGERANT
RA RETURN AIR
RAD RADIATION
RAF RETURN AIR FAN, RESILIENT ATHLETIC FLOORING
RB RESILIENT BASE
RC ROOFING CONTRACT (OR)
RCA RECYCLED CONCRETE AGGREGATE
RCP REINFORCED CONCRETE PIPE, REFLECTED CEILING PLAN
RCU REMOTE CONDENSING UNIT
RD ROOF DRAIN
RECEPT RECEPTACLE
REF REFERENCE
REFL REFLECT (ED) (IVE) (OR)
REFR REFRIGERATOR
REG REGISTER
REINF REINFORCE (D) (ING)
REM REMOVED
REQD REQUIRED
RESIL RESILIENT
RET RETAINING, RETURN
REV REVISION, REVISED, REVEAL
RF RUBBER FLOORING
RFG ROOFING
RFH ROOF HATCH
RFM RECESSED FLOOR MAT
RG RETURN GRILLE
RGS RIGID GALVANIZED STEEL
RH RIGHT HAND
RHC REHEAT COIL
RI ROUGH-IN

RL RAIN LEADER
RLG RAIL(ING)
RM ROOM
RMC RIGID METAL CONDUIT
RNC RIGID NONMETALLIC CONDUIT
RNT RUNNING TRAP
RO ROUGH OPENING
ROW RIGHT OF WAY
RPM REVOLUTIONS PER MINUTE
RR REMOVE EXISTING AND REPLACE WITH NEW
RS RUBBER STAIR TREAD/RISER
RTH ROOF TOP HOOD
RTU ROOF TOP UNIT
RW RAW WATER

S SOUTH, SUPPLY, SURGE PROTECTED
SA SUPPLY AIR
SAN SANITARY
SAS SMOOTH ALL SIDES
SC SOLID CORE, SILL COCK, SEALED CONCRETE
SCHED SCHEDULE
SCT STRUCTURAL CLAY TILE
SD STORM DRAIN, SPLITTER DAMPER, SMOKE DAMPER
SEC SECTION
SF SQUARE FEET
SGI SMALL GROUP INSTRUCTION
SGT STRUCTURAL GLAZED TILE
SH SHELF, SHELVING, SMOKE HATCH
SHR SHOWER, SHEAR WALL
SHT SHEET
SHTHG SHEATHING
SIM SIMILAR
SK SINK
SL SOUND LINED, SKYLIGHT
SLC SILLCOCK
SLV SLEEVE
SLVR STORM LOUVER
SMH SANITARY MANHOLE
SOG SLAB ON GRADE
SP STATIC PRESSURE, STANDPIPE, SPACE (ING) (ES)
SPEC SPECIFICATION (S)
SPKR SPRINKLER
SPL SPECIAL
SQ SQUARE
SS STAINLESS STEEL
SST STRUCTURAL STEEL TUBING
ST STORM, STORAGE
STA STATION
STC SHOWER TEMPERATURE CONTROLLER, STAINED CONCRETE
STD STANDARD
STG SEATING
STL STEEL
STN STAIN (ED)
STOR STORAGE
STRU STRUCTURAL
SURF SURFACE
SUSP SUSPENDED
SV SHEET VINYL, STEAM VENT

SW SWITCH, SOFTENED WATER
SWCI SERVICE WEIGHT CAST IRON
SYM SYMMETRICAL
SYN SYNTHETIC
SYS SYSTEM

T TREAD, TOP, TOILET ROOM, TONS, TERRAZZO
TB TOP AND BOTTOM, TACK BOARD, TERRAZZO BASE
TBD TO BE DETERMINED
TC TEMPERATURE CONTROL, TEMPERED CLEAR, TELECOMMUNICATIONS CONTRACTOR, TOP OF CURB
TCX TOP CHORD EXTENTION
TDV TRIPLE DUTY VALVE
TEL TELEPHONE
TEMP TEMPERATURE
TG TOP GRILLE, TONGUE AND GROOVE
THK THICKNESS
THR THRESHOLD
TME TO MATCH EXISTING
TMV THERMOSTATIC MIXING VALVE
TOD TOP OF DUCT
TOF TOP OF FASCIA, TOP OF FOOTING
TOL TOLERANCE
TOM TOP OF MASONRY
TOP TOP OF PIPE, TOP OF PIER
TOS TOP OF STEEL, TOP OF STAIR
TPART TOILET PARTITION
TR TOP REGISTER
TRN TRANSOM
TS TOP OF STAIR
TV TELEVISION
TW TEMPERED WATER, TOP OF WALL
TYP TYPICAL

UC UNDERCUT
UD UNDERDRAIN
UE UNDERGROUND ELECTRIC
UG UNDERGROUND
UH UNIT HEATER
UNF UNFINISHED
UNIF UNIFORM
UNO UNLESS NOTED OTHERWISE
UR URINAL
UT UNDERGROUND TELEPHONE
UV UNIT VENTILATOR

V VENT, VOLT
VAR VARIES, VARIABLE
VARN VARNISH
VAT VINYL ASBESTOS TILE
VAV VARIABLE AIR VOLUME
VB VACUUM BREAKER, VAPOR RETARDER BARRIER, VOLLEYBALL
VCB VENTED COVE BASE
VCT VINYL COMPOSITE TILE
VD VOLUME DAMPER

VERM VERMICULITE
VERT VERTICAL
VEST VESTIBULE
VIF VERIFY IN FIELD
VIN VINYL
VIT VITREOUS TILE
VNR VENEER
VOL VOLUME
VTR VENT THROUGH ROOF
VWC VINYL WALL COVERING

W WEST, WIDTH, WIDE, WASTE, WATT
WB WET BULB
WC WATER CLOSET, WALL COVERING
WD WOOD, WOOD FLOORING
WDW WINDOW
WDWC WINDOW CONTRACTOR
WF WASH FOUNTAIN
WG WALL GRILLE, WATER GAUGE
WH WALL HUNG, WALL HYDRANT
WHA WATER HAMMER ARRESTOR
WI WROUGHT IRON
WM WIREMOLD
WP WATER PROOFING, WORKING POINT
WR WATER REPELLENT, WIDE RIB, WALL REGISTER
WS WATER STOP
WSCT WAINSCOT
WT WEIGHT
WWHP WATER TO WATER HEAT PUMP
WWM WELDED WIRE MESH
W/ WITH
W/O WITHOUT

XHCI EXTRA HEAVY CAST IRON

YD YARD DRAIN, YARD

Site Symbols

- 83.36 — SPOT ELEVATION
- 99.50 TC — TOP OF CURB ELEVATION
- 99.00 BC — BOTTOM OF CURB ELEVATION
- + 83.36 — EXISTING SPOT ELEVATION
- 136 — CONTOUR
- 136 — EXISTING CONTOUR
- TB-1 — SOIL TEST BORING
- TP-1 — 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
- ST — STORM LINE WITH HEADWALL
- ST — STORM LINE WITH ENDWALL
- ST — STORM LINE WITH END SECTION
- ST — STORM PIPE
- ST — STORM PIPE TO REMAIN
- ST — STORM PIPE TO BE REMOVED/ABANDONED
- UD — UNDERDRAIN
- UD — UNDERDRAIN TO REMAIN
- UD — UNDERDRAIN TO BE REMOVED/ABANDONED
- SAN — SANITARY LINE
- SAN — SANITARY LINE TO REMAIN
- SAN — SANITARY LINE TO BE REMOVED/ABANDONED
- G — GAS LINE
- G — GAS LINE TO REMAIN
- G — GAS LINE TO BE REMOVED/ABANDONED
- W — WATER LINE
- W — WATER LINE TO REMAIN
- W — WATER LINE TO BE REMOVED/ABANDONED
- CO — 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
- 100/1 — DOOR NUMBER (ROOM NO W/ DOOR NO)
- A — WINDOW TYPE
- 126 — RELOCATED EQUIPMENT FURNITURE OR CASEWORK NUMBER
- P3.8 — PARTITION TYPE
- MGM — 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 L — 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] <-1'-8> — TOP OF FTG ELEVATION FROM DATUM; CONTINUOUS FTG; FOUNDATION WALL; BM POCKET ELEVATION FROM DATUM; STEPPED FOOTING
- P1 (-8) / F4 [-3'-0] — INDICATES PIER TYPE; TOP OF PIER ELEVATION FROM DATUM; 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
- (-6) W8X15 [14] (GIR) 21K 0.7 21K — ELEVATION FROM DRAWING DATUM; BEAM SIZE; NUMBER OF SHEAR STUDS OVER FULL LENGTH OF BEAM; 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
- 12K3 — JOIST DESIGNATION; INDICATES BEAM FRAMES HORIZONTAL BRIDGING; 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 PREVENTOR
- 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
- STEAM TRAP
- T — 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
- F — 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: K - KEY OPERATED; 3 - 3 WAY; 4 - 4 WAY; D - DIMMER; P - W/PILOT LIGHT; OS - OCCUPANCY SENSOR; VS - VACANY SENSOR
- TC — TIME CLOCK
- OS — OCCUPANCY SENSOR
- VS — VACANCY SENSOR
- PC — PHOTO CELL
- LC — LIGHTING CONTROL
- F — FIRE ALARM MANUAL PULL STATION
- F F — FIRE ALARM BELL- W/STROBE W/0 STROBE
- F F — FIRE ALARM HORN- W/STROBE W/0 STROBE
- S — SMOKE DETECTOR
- B — BEAM SMOKE DETECTOR
- S D — DUCT SMOKE DETECTOR
- H — RATE OF RISE HEAT DETECTOR
- H F — FIXED HEAT DETECTOR
- S — FIRE ALARM STROBE LIGHT
- 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
- TV — TELEVISION OUTLET
- CO — COMPUTER OUTLET
- A/V — AUDIO/VIDEO OUTLET
- PROJECTOR MOUNTING TILE
- AP — ACCESS POINT

- 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
- CM — CARBON MONOXIDE DETECTOR
- 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 COMPUTER
- C — OVERHEAD COMPUTER

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 = AUXILLARY 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

- STANDARD REFERENCE BUBBLE: 2 — DETAIL NUMBER; A12 — 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
- N — NORTH ARROW
- CLASSROOM 101 — ROOM NAME AND NUMBER
- PROPERTY LINE
- CUT LINE
- A — COLUMN CENTER LINE
- CENTER LINE
- A/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

1

Abbreviations

NOTE: REFER TO FINISH PLANS FOR ROOM FINISH KEY AND ADDITIONAL ABBREVIATIONS AND TYPES

AAC	ASBESTOS ABATEMENT CONTRACTOR
AAD	AUTOMATIC AIR DAMPER
AB	ANCHOR BOLT, AIR BARRIER
AC	AIR CONDITIONING, ALTERNATING CURRENT
ACCMP	ASPHALT COATED CORR METAL PIPE
ACM	ASBESTOS CONTAINING MATERIAL
ACT	ACOUSTICAL CEILING TILE
ACU	AIR CONDITIONICO NG UNIT
AD	AREA DRAIN
ADA	AMERICAN DISABILITIES ACT
ADD	ADDENDUM
ADDL	ADDITIONAL
ADDN	ADDITION
ADH	ADHESIVE
ADJ	ADJACENT
ADR	ACCESS DOOR
AESS	ARCH EXPOSED STRUCTURAL STEEL
AFF	ABOVE FINISH FLOOR
AH	ACCESS HATCH
AHU	AIR HANDLING UNIT
AIB	AIR INFILTRATION BARRIER
ALT	ALTERNATE
ALTB	ACOUSTICALLY LINED TRANSFER BOX
ALTN	ALTERATION ALUM ALUMINUM
AMP	AMPERE
ANOD	ANODIZED
ANT	ACID NEUTRALIZATION TANK
AP	ACCESS PANEL
APPROX	APPROXIMATE (LY)
APC	ARCHITECTURAL PRECAST CONCRETE
ARCH	ARCHITECT (URAL)
A/S	AIR SEPARATOR
ASB	ASBESTOS
ASPH	ASPHALT
ATV	ATMOSPHERIC VENT
AUD	AUDITORIUM
AUTO	AUTOMATIC
AVE	AVERAGE
B	BOILER, BRICK, BOTTOM
BB	BASKETBALL
BBD	BOILER BLOWDOWN
BC	BOTTOM OF CURB
BCU	BLOWER COIL UNIT
BCX	BOTTOM CHORD EXTENSION
BD	BOARD
BDD	BACKDRAFT DAMPER
BFP	BACK FLOW PREVENTER
BG	BOTTOM GRILLE
BIT	BITUMINOUS
BLDG	BUILDING BLOCK
BLK	BLOCKING BLKG
BM	BEAM
BO	BY OTHERS
BOD	BOTTOM OF DUCT
BOF	BOTTOM OF FOOTING
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BPL	BEARING PLATE
BR	BOTTOM REGISTER
BRDG	BRIDGING
BRG	BEARING
BRK	BRICK
BRSH	BRICKSHELF
BRZ	BRONZE
BS	BOTH SIDES, BOTTOM OF STAIR
BSMT	BASEMENT
BSPL	BACKSPLASH
BT	BENT
BTU	BRITISH THERMAL UNITS
BTUH	BRITISH THERMAL UNITS PER HOUR
BUR	BUILT-UP ROOFING
BW	BOTTOM OF WALL
BWC	BACK WATER CHECK VALVE
C	CONDUIT, CONVECTOR, CONDENSOR, COMMON, CARPET
CA	COMPRESSED AIR
CAB	CABINET
CATV	CABLE TELEVISION
CB	CATCH BASIN, CIRCUIT BREAKER, CHALKBOARD
CCTV	CLOSED CIRCUIT TELEVISION
CD	CEILING DIFFUSER, CONDENSATE DRAIN
CEM	CEMENT
CER	CERAMIC CF CUBIC FEET, CEILING FAN
CFM	CUBIC FEET PER MINUTE
CFMF	COLD FORMED METAL FRAMING
CFT	CERAMIC FLOOR TILE
CG	CEILING GRILLE
CHAN	CHANNEL
CHUV	CEILING HUNG UNIT VENTILATOR
CI	CAST IRON
CIP	CAST IN PLACE
CIRC	CIRCUMFERENCE
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLKG	CAULKING
CLL	CONTRACT LIMIT LINE
CLR	CLEAR (ING) (ENCE)
CLRM	CLASSROOM
CMP	CORRUGATED METAL PANEL
CMT	CERAMIC MOSAIC TILE
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
CODP	CLEAN OUT DECK PLATE
COL	COLUMN
COMB	COMBINATION
COMP	COMPRESS (ED) (ION) (IBLE), COMPOSITE
CONC	CONCRETE
COND	CONDENSATE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINOUS
CONTR	CONTRACT (OR)
COORD	COORDINATE
CORR	CORRUGATED, CORRIDOR
COWP	CLEAN OUT WALL PLATE
CPVC	CHLORINATED POLY VINYL CHLORIDE
CR	CEILING REGISTER
CRS	COURSE (S)
CSK	COUNTERSINK
CSMT	CASEMENT
CT	COMPUTER TERMINAL, CERAMIC BASE TILE
CTD	COATED
CTOP	COUNTER TOP
CTR	CENTER
CU	CUBIC
CUH	CABINET UNIT HEATER
CV	CONVECTOR, CURB VALVE
CW	COLD WATER
CWR	CHILLED WATER RETURN
CWS	CHILLED WATER SUPPLY
CWT	CERAMIC WALL TILE
D	DIESEL FUEL, DEPTH
DB	DRY BULB
DC	DIRECT CURRENT
DDC	DIRECT DIGITAL CONTROL
DE	DELONIZED WATER
DEG	DEGREES
DEMO	DEMOLISH
DEP	DEPRESS (ED) (ION)
DET	DETAIL (ED)
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DHU	DEHUMIDIFICATION UNIT
DI	DROP INLET, DUCTILE IRON, DISTILLED WATER
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DISP	DISPENSER
DIST	DISTANCE
DIV	DIVISION
DL	DEAD LOAD
DN	DOWN
DO	DITTO
DP	DAMPPROOF (ING)
DPR	DAMPER
DR	DOOR, DEEP RIB
DWG	DRAWING
DS	DOWNSPOUT, DRAINAGE STRUCTURE
DT	DRAIN TILE
DTA	DOVETAIL ANCHOR
DTL	DETAIL
DW	DUMBWAITER, DISHWASHER
DWL	DOWEL
DWR	DRAWER
E	EAST
EA	EXHAUST AIR, EACH
EAT	ENTERING AIR TEMPERATURE
EB	EXPANSION BOLT
EC	ELECTRICAL CONTRACTOR
ECF	ENHANCED CONCRETE FLOORING
EIFS	EXTERIOR INSULATION SYSTEM
EF	EACH FACE, EXHAUST FAN
EJ	EXPANSION JOINT
ELEC	ELECTRIC (AL)
ELEM	ELEMENT
ELEV	ELEVATION, ELEVATOR
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENC	ENCLOSURE
EOD	EDGE OF DECK
EOS	EDGE OF SLAB
EQ	EQUAL, EQUIVALENT
EQC	EQUIPMENT CONTRACTOR
EQUIP	EQUIPMENT
ES	EXPOSED SURFACE, EXPOSED STRUCTURE
ESF	ELASTIC SHEET FLASHING
ESM	ELASTIC SHEET MEMBRANE
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
EXG	EXISTING
EXP	EXPANSION
EXT	EXTERIOR, EXTERNAL
F	FAHRENHEIT
FA	FIRE ALARM
FAI	FRESH AIR INTAKE
FCU	FAN COOLING UNIT
FD	FLOOR DRAIN, FIRE DAMPER
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR, FACTORY FINISH
FFE	FINISH FLOOR ELEVATION
FFL	FINISH FLOOR LINE
FG	FLOOR GRILLE
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FIN	FINISH (ED)
FIXT	FIXTURE
FL	FLUSH
FLD	FLOOR DUCT
FLEX	FLEXIBLE
FLG	FLASHING
FLR	FLOOR (ING)
FLUOR	FLUORESCENT
FM	FLOOR MOUNTED
FMC	FLEXIBLE METAL CONDUIT
FND	FOUNDATION
FOB	FREIGHT ON BOARD, FLAT ON BOTTOM
FOG	FUEL OIL GAUGE
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOT	FLAT ON TOP
FP	FIREPROOF (ING)
FPM	FEET PER MINUTE
FR	FRAME, FLOOR REGISTER
FRA	FRESH AIR
FRC	FIRE RESISTANT COATING
FRP	FIBERGLASS REINFORCED PANEL
FRT	FIRE RETARDANT
FS	FLOOR SINK
FSD	FIRE AND SMOKE DAMPER
FT	FEET, FLOOR TREATMENT
FTG	FOOTING
FTR	FIN TUBE RADIATION
FV	FLUSH VALVE
G	GAS, GLYCOL
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GASK	GASKET (ED)
GC	GENERAL CONTRACT (OR)
GCMU	GLAZED CONCRETE MASONRY UNIT
GCO	GRADE CLEANOUT GF GROUND FACE
GL	GLASS, GLAZING
GND	GROUND
GPM	GALLONS PER MINUTE
GR	GRADE (ING), GLYCOL RETURN
GS	GLYCOL SUPPLY
GVL	GRAVEL
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
H	HEIGHT
HB	HOSE BIB
HBD	HARD BOARD
HC	HEATING CONTRACT (OR), HANDICAP
HCR	HOT/CHILLED RETURN
HCS	HOT/CHILLED SUPPLY
HD	HEAVY DUTY
HDPE	HIGH DENSITY POLYETHYLENE
HDR	HEADER
HDW	HARDWARE
HG	HOT GLYCOL
HIP	HIGH IMPACT PANEL
HM	HOLLOW METAL
HORZ	HORIZONTAL
HP	HORSEPOWER, HIGH PRESSURE, HEAT PUMP
HPS	HEAT PUMP LOOP WATER SUPPLY
HPR	HEAT PUMP LOOP WATER RETURN
HPC	HIGH PERFORMANCE COATING
HPL	HIGH PRESSURE LAMINATE
HR	HANDRAIL, HOUR
HT	HEIGHT
HTG	HEATING
HV	HIGH VOLTAGE
HVAC	HEATING/VENTILATING/AIR CONDITIONING
HVU	HEATING AND VENTILATING UNIT
HW	HOT WATER
HWH	HOT WATER HEATER
HWP	HOT WATER PUMP
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN	INCHES
INCL	INCLUDE (D) (ING)
INS	INSULATE (D) (ION)
INT	INTERIOR
INV	INVERT
IP	IRON PIPE
IPS	IRON PIPE SIZE
IW	INDIRECT WASTE
J	JANITORS CLOSET
JAN	JANITORS CLOSET
JB	JUNCTION BOX
JC	JANITORS CLOSET
JCT	JUNCTION
JT	JOINT
KW	KILOWATT
KWH	KILOWATT PER HOUR
KV	KILOVOLT
KVA	KILOVOLT AMPERE
L	LENGTH, LONG
LAB	LABORATORY
LAD	LADDER
LAM	LAMINATE (D)
LAT	LEAVING AIR TEMPERATURE
LAV	LAVATORY
LB	POUND
LBL	LABEL
LBP	LEAD BASED PAINT
LC	LANDSCAPE CONTRACTOR (SITE)
LCC	LEAD COATED COPPER
LDR	LEADER
LEV	LEVEL
LV	LABORATORY VENT
LW	LABORATORY WASTE
LF	LINEAR FOOT
LFMC	LIQUID-TIGHT FLEXIBLE METAL CONDUIT
LFNC	LIQUID-TIGHT FLEXIBLE NONMETALLIC CONDUIT
LG	LENGTH, LONG
LGI	LARGE GROUP INSTRUCTION
LH	LEFT HAND
LIN	LINEAR
LKR	LOCKER
LL	LIVE LOAD
LP	LOW PRESSURE
LPC	LOW PRESSURE CONDENSATE
LPS	LOW PRESSURE STEAM
LPT	LOW POINT
LS	LINOLEUM SHEET
LT	LIGHT, LINOLEUM TILE
LTL	LINTEL
LV	LOW VOLTAGE
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE
MAN	MANUAL
MAS	MASONRY
MAT	MATERIAL
MAU	MAKE UP AIR UNIT
MAX	MAXIMUM
MB	MARKER BOARD
MBH	THOUSAND BTUH
MBR	MEMBER
MD	MOTORIZED DAMPER
ME	MECHANICAL EQUIPMENT
MECH	MECHANICAL (LY)
MED	MEDIUM
MEMB	MEMBRANE
MEZZ	MEZZANINE
MF	MIXING FAUCET
MFR	MANUFACTURE (R)
MH	MAN HOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MOD	MODULE (OR), MODEL
MR	MOP RECEPTOR
MP	MULTICOLOR WALL COATING
MT	MOUNT
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
MTH	MARBLE THRESHOLD
MTR	METER
MULL	MULLION
MVEJ	MASONRY VENEER EXPANSION JOINT
N	NORTH, NO WORK REQUIRED
NAT	NATURAL
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NEG	NEGATIVE
NEUT	NEUTRALIZATION
NIC	NOT IN CONTRACT
NO	NUMBER, NORMALLY OPEN
NOM	NOMINAL
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
OA	OVERALL, OUTSIDE AIR
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
OPP HD	OPPOSITE HAND
P	PAINT SURFACE(S) INCLUDING SOFFITS
PAR	PARALLEL
PART	PARTITION
PC	PLUMBING CONTRACT (OR), PIGMENTED CONCRETE
PCC	PRECAST CONCRETE
PE	PORCELAIN ENAMEL
PENC	PRE-EXISTING NON-CONFORMING
PERF	PERFORATE (ION) (ED)
PERI	PERIMETER
PERP	PERPENDICULAR
PL	PLATE, PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER, PLASTIC
PLF	POUNDS PER LINEAR FOOT
PLYWD	PLYWOOD
PM	PLUGMOLD
PNL	PANEL
POC	POINT OF CURVATURE, POINT OF CONNECTION
POL	POLISHED
POS	POSITIVE
POT	POINT OF TANGENCY
PR	PAIR
PRE	POWER ROOF EXHAUSTER
PREP	PREPARE (ATION)
PRF	PREFORMED
PROJ	PROJECT
PS	PAINT EXPOSED STRUCTURE/DECK
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT, PORCELAIN TILE
PTD	PAINTED
PTFR	PRESSURE TREATED FIRE RETARDANT
PTP	PRESSURE TREATED PRESERVATIVE
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PWE	POWER WALL EXHAUSTER
QF	QUARTZ FLOORING
QT	QUARRY TILE
R	RADIUS, RETURN, REFRIGERANT
RA	RETURN AIR
RAD	RADIATION
RAF	RETURN AIR FAN, RESILIENT ATHLETIC FLOORING
RB	RESILIENT BASE
RC	ROOFING CONTRACT (OR)
RCA	RECYCLED CONCRETE AGGREGATE
RCP	REINFORCED CONCRETE PIPE, REFLECTED CEILING PLAN
RCU	REMOTE CONDENSING UNIT
RD	ROOF DRAIN
RECEPT	RECEPTACLE
REF	REFERENCE
REFL	REFLECT (ED) (IVE) (OR)
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCE (D) (ING)
REM	REMOVED
REQD	REQUIRED
RESIL	RESILIENT
RET	RETAINING, RETURN
REV	REVISION, REVISED, REVEAL
RF	RUBBER FLOORING
RFG	ROOFING
RFH	ROOF HATCH
RFM	RECESSED FLOOR MAT
RG	RETURN GRILLE
RGS	RIGID GALVANIZED STEEL
RH	RIGHT HAND
RHC	REHEAT COIL
RI	ROUGH-IN
RL	RAIN LEADER
RLG	RAIL(ING)
RM	ROOM
RMC	RIGID METAL CONDUIT
RNC	RIGID NONMETALLIC CONDUIT
RNT	RUNNING TRAP
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RPM	REVOLUTIONS PER MINUTE
RR	REMOVE EXISTING AND REPLACE WITH NEW
RS	RUBBER STAIR TREAD/RISER
RTH	ROOF TOP HOOD
RTU	ROOF TOP UNIT
RW	RAW WATER
S	SOUTH, SUPPLY, SURGE PROTECTED
SA	SUPPLY AIR
SAN	SANITARY
SAS	SMOOTH ALL SIDES
SC	SOLID CORE, SILL COCK, SEALED CONCRETE
SCHED	SCHEDULE
SCT	STRUCTURAL CLAY TILE
SD	STORM DRAIN, SPLITTER DAMPER, SMOKE DAMPER
SEC	SECTION
SF	SQUARE FEET
SGI	SMALL GROUP INSTRUCTION
SGT	STRUCTURAL GLAZED TILE
SH	SHELF, SHELVING, SMOKE HATCH
SHR	SHOWER, SHEAR WALL
SHT	SHEET
SHTHG	SHEATHING
SIM	SIMILAR
SK	SINK
SL	SOUND LINED, SKYLIGHT
SLC	SILLCOCK
SLV	SLEEVE
SLVR	STORM LOUVER
SMH	SANITARY MANHOLE
SOG	SLAB ON GRADE
SP	STATIC PRESSURE, STANDPIPE, SPACE (ING) (ES)
SPEC	SPECIFICATION (S)
SPKR	SPRINKLER
SPL	SPECIAL
SQ	SQUARE
SS	STAINLESS STEEL
SST	STRUCTURAL STEEL TUBING
ST	STORM, STORAGE
STA	STATION
STC	SHOWER TEMPERATURE CONTROLLER, STAINED CONCRETE
STD	STANDARD
STG	SEATING
STL	STEEL
STN	STAIN (ED)
STOR	STORAGE
STRU	STRUCTURAL
SURF	SURFACE
SUSP	SUSPENDED
SV	SHEET VINYL, STEAM VENT
SW	SWITCH, SOFTENED WATER
SWCI	SERVICE WEIGHT CAST IRON
SYM	SYMMETRICAL
SYN	SYNTHETIC
SYS	SYSTEM
T	TREAD, TOP, TOILET ROOM, TONS, TERRAZZO
TB	TOP AND BOTTOM, TACK BOARD, TERRAZZO BASE
TBD	TO BE DETERMINED
TC	TEMPERATURE CONTROL, TEMPERED CLEAR, TELECOMMUNICATIONS CONTRACTOR, TOP OF CURB
TCX	TOP CHORD EXTENTION
TDV	TRIPLE DUTY VALVE
TEL	TELEPHONE
TEMP	TEMPERATURE
TG	TOP GRILLE, TONGUE AND GROOVE
THK	THICKNESS
THR	THRESHOLD
TME	TO MATCH EXISTING
TMV	THERMOSTATIC MIXING VALVE
TOD	TOP OF DUCT
TOF	TOP OF FASCIA, TOP OF FOOTING
TOL	TOLERANCE
TOM	TOP OF MASONRY
TOP	TOP OF PIPE, TOP OF PIER
TOS	TOP OF STEEL, TOP OF STAIR
TPART	TOILET PARTITION
TR	TOP REGISTER
TRN	TRANSOM
TS	TOP OF STAIR
TV	TELEVISION
TW	TEMPERED WATER, TOP OF WALL
TYP	TYPICAL
UC	UNDERCUT
UD	UNDERDRAIN
UE	UNDERGROUND ELECTRIC
UG	UNDERGROUND
UH	UNIT HEATER
UNF	UNFINISHED
UNIF	UNIFORM
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
UT	UNDERGROUND TELEPHONE
UV	UNIT VENTILATOR
V	VENT, VOLT
VAR	VARIES, VARIABLE
VARN	VARNISH
VAT	VINYL ASBESTOS TILE
VAV	VARIABLE AIR VOLUME
VB	VACUUM BREAKER, VAPOR RETARDER BARRIER, VOLLEYBALL
VCB	VENTED COVE BASE
VCT	VINYL COMPOSITE TILE
VD	VOLUME DAMPER
VERM	VERMICULITE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VIN	VINYL
VIT	VITREOUS TILE
VNR	VENEER
VOL	VOLUME
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
W	WEST, WIDTH, WIDE, WASTE, WATT
WB	WET BULB
WC	WATER CLOSET, WALL COVERING
WD	WOOD, WOOD FLOORING
WDW	WINDOW
WDWC	WINDOW CONTRACTOR
WF	WASH FOUNTAIN
WG	WALL GRILLE, WATER GAUGE
WH	WALL HUNG, WALL HYDRANT
WHA	WATER HAMMER ARRESTOR
WI	WROUGHT IRON
WM	WIREMOLD
WP	WATER PROOFING, WORKING POINT
WR	WATER REPELLENT, WIDE RIB, WALL REGISTER
WS	WATER STOP
WSCT	WAINSCOT
WT	WEIGHT
WWHP	WATER TO WATER HEAT PUMP
WWM	WELDED WIRE MESH
W/	WITH
W/O	WITHOUT
XHCI	EXTRA HEAVY CAST IRON
YD	YARD DRAIN, YARD

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:
1	2/12/21	BID Addendum No 1

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TETRA TECH ARCHITECTS & ENGINEERS

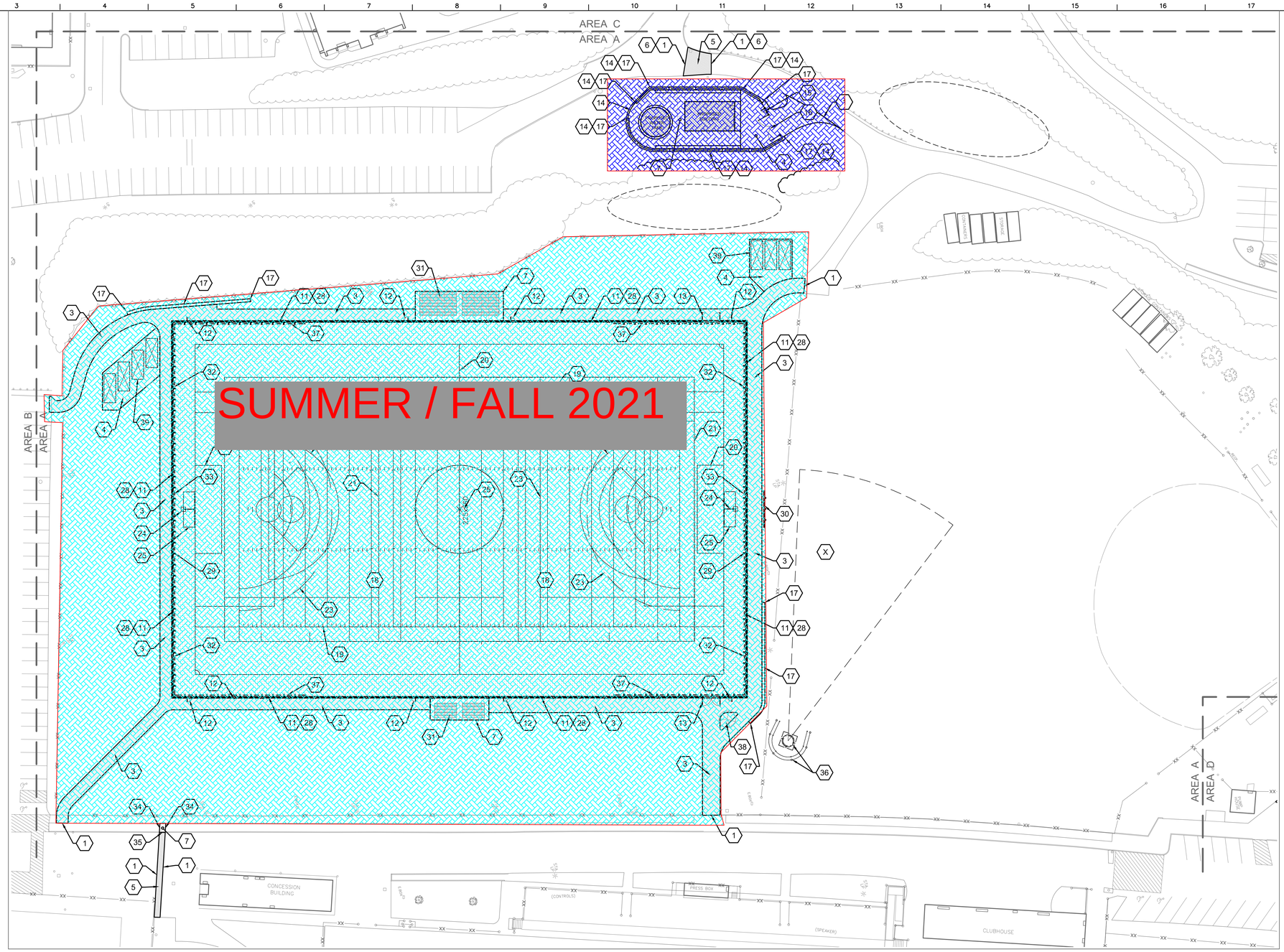
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Symbols and Abbreviations

Drawn By: TTAE | Date: 8/21/20 | Drawing Number: G100

Project No.: 121111-19002



I Site Phasing Plan
1" = 30'

0 15' 30' 60'
SCALE: 1" = 30'

MAY 2022 THROUGH SEPTEMBER 2022

JUNE 2021 THROUGH OCTOBER 2021

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

Mahopac Central School District
Mahopac, NY

Project Info and Description:
Reconstruction at Mahopac High School

Site Phasing Plan

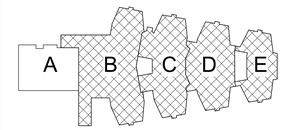
Drawn by:	Date:	Drawing No.:
Palombo	08/21/20	AG200

T+ Project No.: 121111-19002

1 Basement - Phasing Plan
3/64" = 1'-0"

JUNE 2021 THROUGH SEPTEMBER 2021

JUNE 2021 THROUGH OCTOBER 2021



Key Plan
N.T.S.

N

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

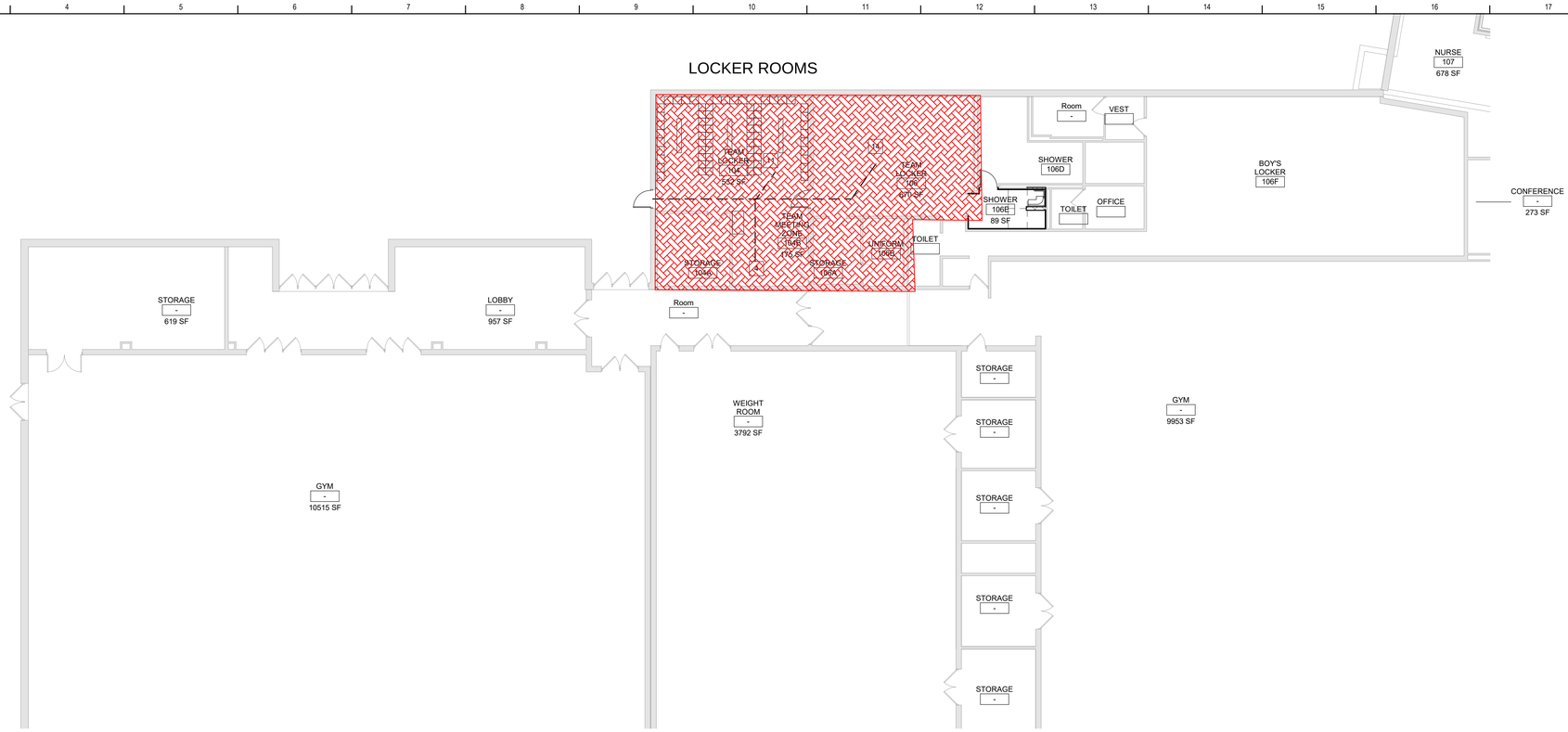
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Basement Phasing Plan

Drawn By:	Date:	Drawing Number:
Palombo	08/21/20	AG201

Project No.:
121111-19002

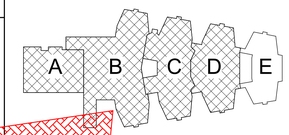


2 First Floor Phasing Plan

1" = 10'-0"

1 Basement Phasing Plan

1" = 10'-0"



Key Plan

N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

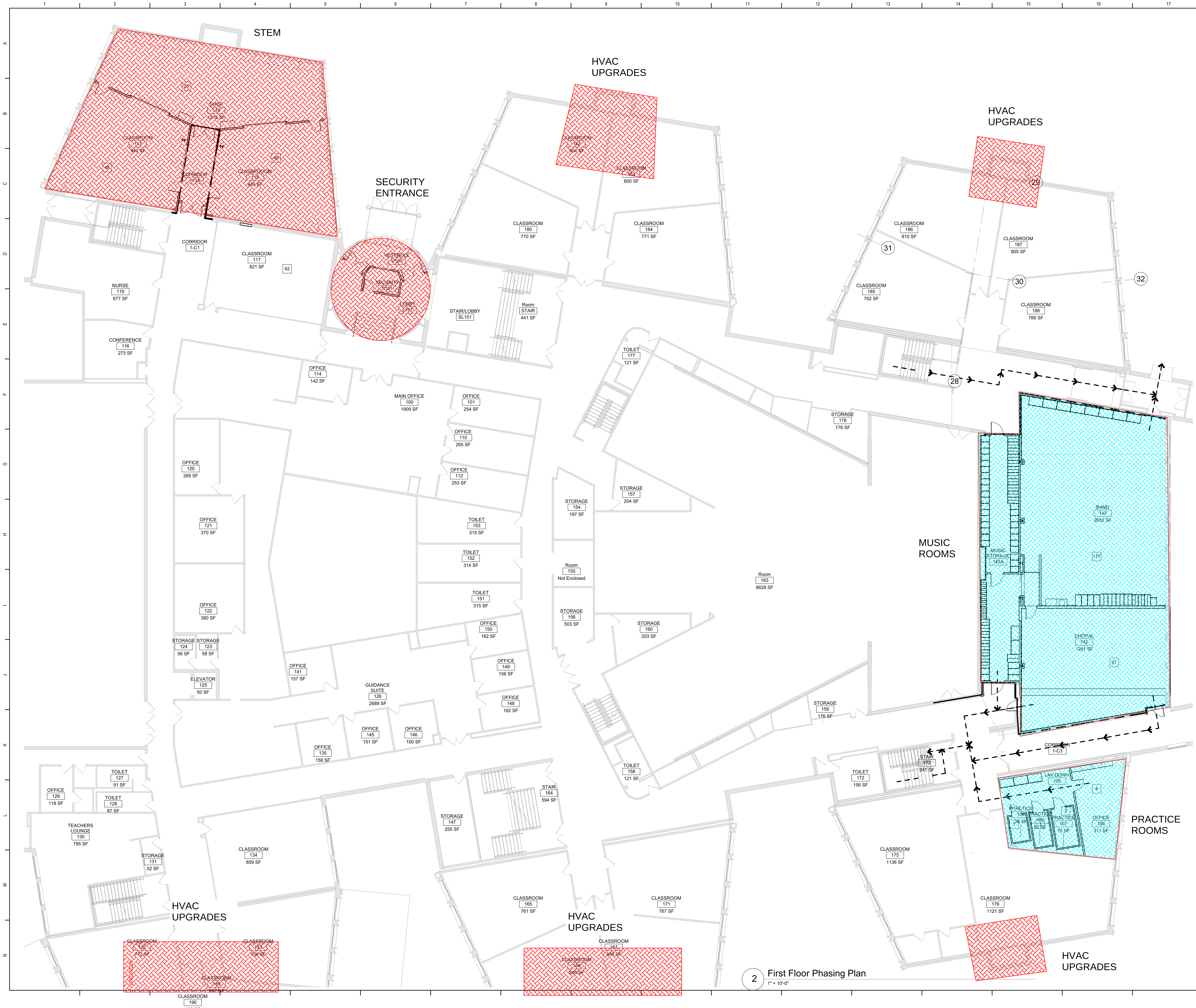
Rev. No.:	Date:	Description:

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Basement and First Floor
Phasing Plans

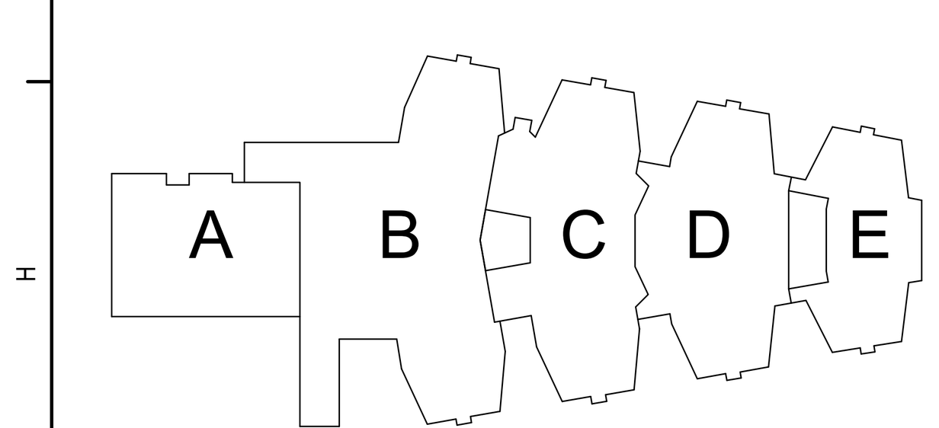
Drawn By:	Date:	Drawing Number:
Palombo	8/21/20	AG202
Project No.: 121111-19002		



2 First Floor Phasing Plan
1" = 10'-0"

JUNE 2021 THROUGH SEPTEMBER 2021

JUNE 2021 THROUGH OCTOBER 2021



Key Plan
N.T.S.

S.E.D. Control No. 00-00-00-00-0-000-000

Rev. No.:	Date:	Description:

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

First Floor Phasing Plan

Drawn By:	Date:	Drawing Number:
Palombo	08/21/20	AG210
Project No.: 121111-19002		

HVAC UPGRADES

HVAC UPGRADES

HVAC UPGRADES

HVAC UPGRADES

HVAC UPGRADES

HVAC UPGRADES

HVAC UPGRADES

HVAC UPGRADES

SCIENCE CLASSROOM UPGRADES

SCIENCE CLASSROOM UPGRADES

SCIENCE CLASSROOM UPGRADES

LIBRARY MEDIA CENTER UPGRADES

CLASSROOM 211 830 SF
CLASSROOM 213 739 SF
CLASSROOM 209 760 SF
CLASSROOM 215 739 SF
WORK ROOM 272 153 SF
STAIR 273 247 SF
CLASSROOM 207 603 SF
CLASSROOM 217 823 SF
CLASSROOM 205 728 SF
CLASSROOM 227 810 SF
CLASSROOM 229 805 SF
CLASSROOM 225 762 SF
CLASSROOM 231 769 SF
STAIR 271 2 SF
CORRIDOR 2-C4
CLASSROOM 203 806 SF
CLASSROOM 219 744 SF
219A 2-C7 617 SF
GROUP STUDY 223S4 210 SF
GROUP STUDY 223S3 210 SF
STUDY POD 223S5 76 SF
STUDY POD 223S2 79 SF
STUDY POD 223S6 78 SF
STUDY POD 223S1 79 SF
CLASSROOM 201 751 SF
CLASSROOM 201A 779 SF
STACK LOUNGE 223 2486 SF
CORRIDOR 2-C5
PROJECTION ROOM 267 575 SF
BALCONY 268 3820 SF
ELECTRICAL 261 405 SF
COMPUTER LOUNGE 223-3 331 SF
CLASSROOM 218 876 SF
MAKER SPACE 223-4 324 SF
CIRCULATION 223-1
OFFICE 223-2 115 SF
TOILET 262 199 SF
TOILET 263 239 SF
CORRIDOR 2-C6
CLASSROOM 204 718 SF
CLASSROOM 206 615 SF
STAIR 274 246 SF
WORK ROOM 266 151 SF
CLASSROOM 208 760 SF
CLASSROOM 210 831 SF
CLASSROOM 212 792 SF
CLASSROOM 214 739 SF
CLASSROOM 216 821 SF
CLASSROOM 224 763 SF
STAIR 275 494 SF
CLASSROOM 226 809 SF
CLASSROOM 230 766 SF
CLASSROOM 228 806 SF
STOR 235S 29
CHEM 234 1064 SF
CHEM 235 1212 SF
31
30
32
CORRIDOR 2-C3
CHEM STOR 241
TOILET 269 158 SF
STAIR 270 240 SF
28
CHEM 243 1203 SF
SCIENCE 244 1063 SF
CORRIDOR 2-C1
CHEM 242 1270 SF
CORRIDOR 2-C2
STAIR 277 240 SF
TOILET 276 175 SF
STAIR CAPACITY CALC STAIR WIDTH=44" (0.3" PER PERSON) 150 PERSONS (101 - 150 SO OK)
ENGLISH 240 673 SF
SCIENCE 234 1159 SF
PHYSICS 236 1163 SF
STORAGE 234S

1 Second Floor Phasing Plan
1" = 10'-0"

JUNE 2021 THROUGH SEPTEMBER 2021

JUNE 2021 THROUGH OCTOBER 2021

A B C D E

Key Plan
N.T.S.

S.E.D. Control No. 00-00-00-00-0-000-000

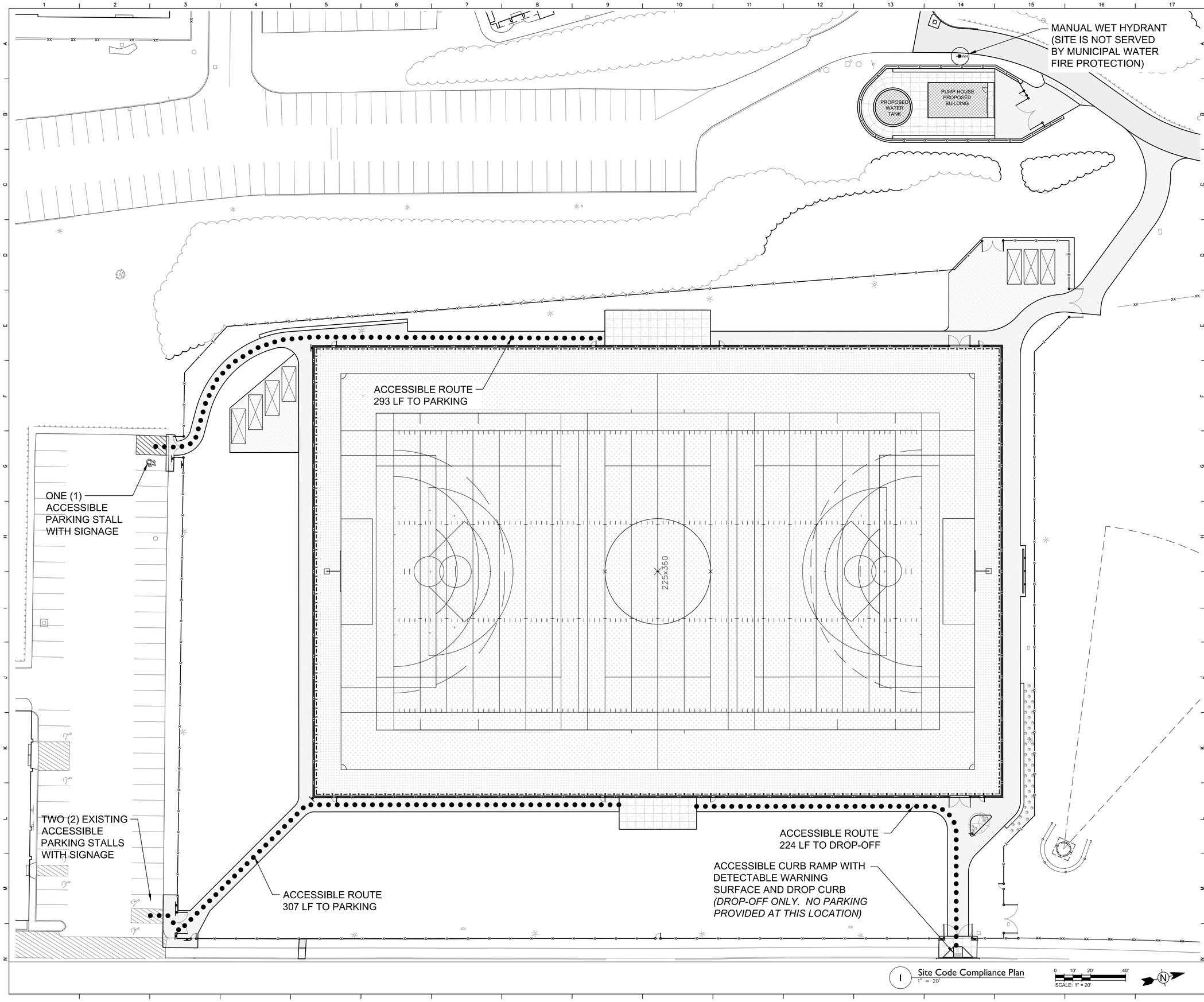
Rev. No.:	Date:	Description:

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Second Floor Phasing Plan

Drawn By:	Date:	Drawing Number:
Palombo	08/21/20	AG220
Project No.: 121111-19002		



1 Site Code Compliance Plan
1" = 20'

0 10' 20' 40'
SCALE: 1" = 20'

General Site Notes

1. REFER TO DRAWING AC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL AC-SERIES DRAWINGS.

ADA Site Notes

1. THE MAXIMUM SLOPE OF ACCESSIBLE PARKING STALLS AND ASSOCIATED ACCESS AISLE SHALL BE 2% (1V:50H).
2. THE MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL ON ACCESSIBLE PATHS SHALL BE 5% (1V:20H).
3. THE MAXIMUM CROSS SLOPE ON ACCESSIBLE PATHS SHALL BE 2% (1V:50H).
4. THE MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL ON ACCESSIBLE RAMPS AND CURB RAMPS SHALL BE 8.33% (1V:12H), AS INDICATED ON THE DETAILS.
5. GROUND SURFACES ON ACCESSIBLE PATHS SHALL BE STABLE, FIRM, AND SLIP RESISTANT.

IBC Table 1106.1 Accessible Parking Spaces

□TOTAL NUMBER OF EXISTING AND PROPOSED PARKING SPACES= 30

□NUMBER OF ACCESSIBLE PARKING SPACES REQUIRED = 2

□TOTAL NUMBER OF EXISTING AND PROPOSED ACCESSIBLE PARKING SPACES = 3

TOTAL PARKING SPACES PROVIDED IN PARKING FACILITY	REQUIRED MINIMUM NUMBER OF ACCESSIBLE SPACES
1 TO 25	1
26 TO 50	2
51 TO 75	3
76 TO 100	4
101 TO 150	5
151 TO 200	6
201 TO 300	7
301 TO 400	8
401 TO 500	9
501 TO 1,000	2% OF TOTAL
□VER 1,000	20 PLUS 1 FOR EACH 100 OVER 1,000

NOTE: PARKING SPACES USED EXCLUSIVELY FOR BUSES, TRUCKS AND OTHER DELIVERY VEHICLES, AND LAW ENFORCEMENT VEHICLES ARE EXEMPT FROM IBC TABLE 1106.1.

Site Accessible Legend

	ACCESSIBLE BUILDING ENTRY/EXIT
	ACCESSIBLE ROUTE

Legend

(34)	NUMBER OF ADJACENT PARKING STALLS
	BRUSH / VEGETATION LIMITS

S.E.D. Control No. 48-01-01-06-0-006-013
S.E.D. Control No. 48-01-01-06-7-026-001
S.E.D. Control No. 48-01-01-06-0-003-008
S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:
1	12/18/20	REVISED PER SED COMMENTS

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

TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction to:
Mahopac High School

Site Code Compliance Plan

Drawn by:	Date:	Drawing No.:
DGB	08/21/20	AG300

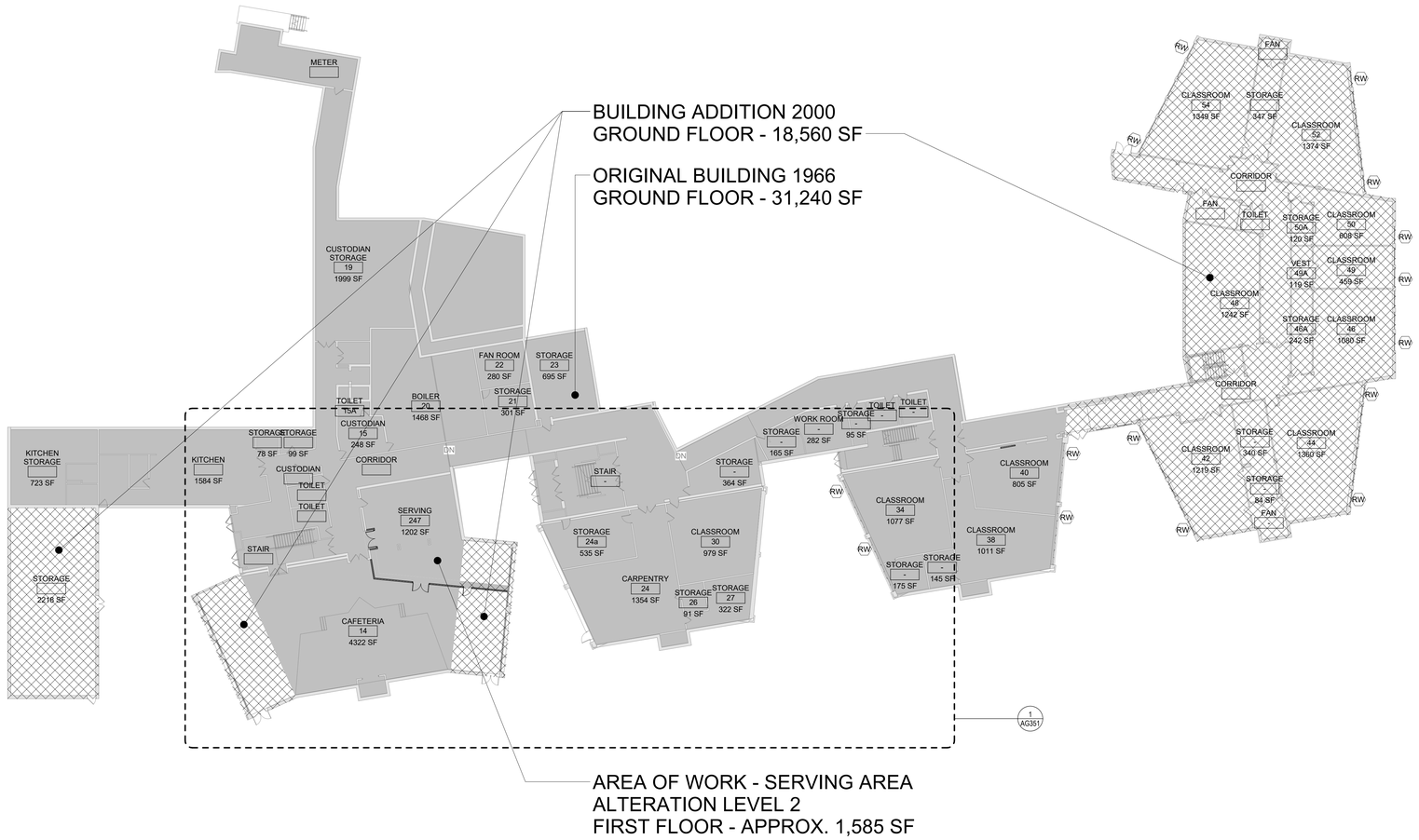
T+ Project No.:
121111-19002

BASEMENT FLOOR SUMMARY

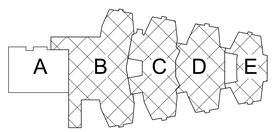
ORIGINAL BUILDING BASEMENT FLOOR AREA	31,240	SF
2000 ADDITION BASEMENT FLOOR AREA	18,560	SF
TOTAL BASEMENT FLOOR AREA	49,800	SF
TOTAL BUILDING GROSS AREA	**257,600**	**SF**

SERVING WORK AREA	1,585	SF
MECHANICAL CLOSET WORK AREAS COMBINED	650	SF
FIRE ALARM / CLOCK / PA SYSTEM WORK AREA COMBINED	780	SF
TOTAL BASEMENT FLOOR WORK AREA	**3,015**	**SF**

TOTAL BASEMENT WORK AREA **1.17% OF TOTAL BUILDING**



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



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

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TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Basement Code Compliance Key Plan

Drawn By:	Date:	Drawing Number:
Author	8/21/20	AG301
Project No.: 121111-19002		

FIRST FLOOR SUMMARY

ORIGINAL BUILDING FIRST FLOOR AREA	90,900	SF
2000 ADDITION FIRST FLOOR AREA	14,250	SF
2000 ADDITION FIRST FLOOR AREA	17,600	SF
2000 ADDITION FIRST FLOOR AREA	850	SF
TOTAL FIRST FLOOR AREA	123,600	SF
TOTAL BUILDING GROSS AREA	**257,600**	**SF**
LOCKER ROOM WORK AREA	707	SF
SHOWER WORK AREA	291	SF
CLASSROOM WORK AREA	3,075	SF
MUSIC WORK AREA	5,025	SF
SECURE LOBBY WORK AREA	752	SF
MECHANICAL CLOSET WORK AREAS COMBINED	500	SF
F.A. / CLOCK / PA SYS. WORK AREAS COMBINED	2,060	SF
TOTAL FIRST FLOOR WORK AREA	**12,410**	**SF**
TOTAL FIRST FLOOR WORK AREA	**4.82% OF TOTAL BUILDING**	

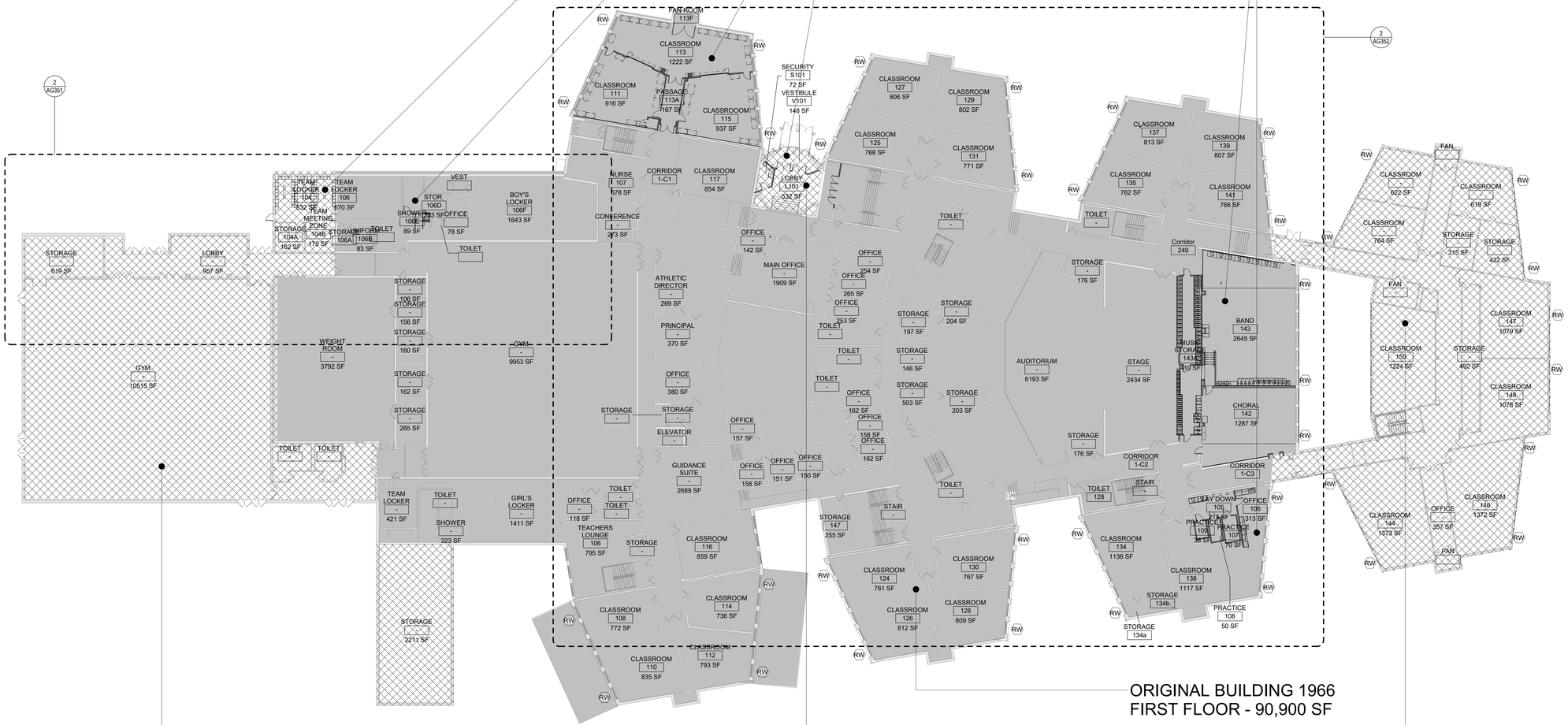
AREA OF WORK - LOCKER ROOM
ALTERATION LEVEL 2
FIRST FLOOR - APPROX. 707 SF

AREA OF WORK - SHOWER
ALTERATION LEVEL 2
FIRST FLOOR - APPROX. 291 SF

AREA OF WORK - CLASSROOMS
ALTERATION LEVEL 2
FIRST FLOOR - APPROX. 3,075 SF

AREA OF WORK - MUSIC ROOMS
ALTERATION LEVEL 2
FIRST FLOOR - APPROX. 5,025 SF

AREA OF WORK - SECURE LOBBY
ALTERATION LEVEL 2
FIRST FLOOR - APPROX. 752 SF



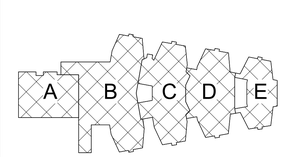
ORIGINAL BUILDING 1966
FIRST FLOOR - 90,900 SF

BUILDING ADDITION 2000
FIRST FLOOR - 850 SF

BUILDING ADDITION 2000
FIRST FLOOR - 14,250 SF

BUILDING ADDITION 2000
FIRST FLOOR - 17,600 SF

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



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

First Floor Code Compliance Key Plan

Drawn By:	Date:	Drawing Number:
Author	8/21/20	AG302
Project No.: 121111-19002		

SECOND FLOOR SUMMARY

ORIGINAL BUILDING SECOND FLOOR AREA	69,950	SF
2000 ADDITION SECOND FLOOR AREA	14,250	SF
TOTAL SECOND FLOOR AREA	84,200	SF
TOTAL BUILDING GROSS AREA	**257,600**	**SF**

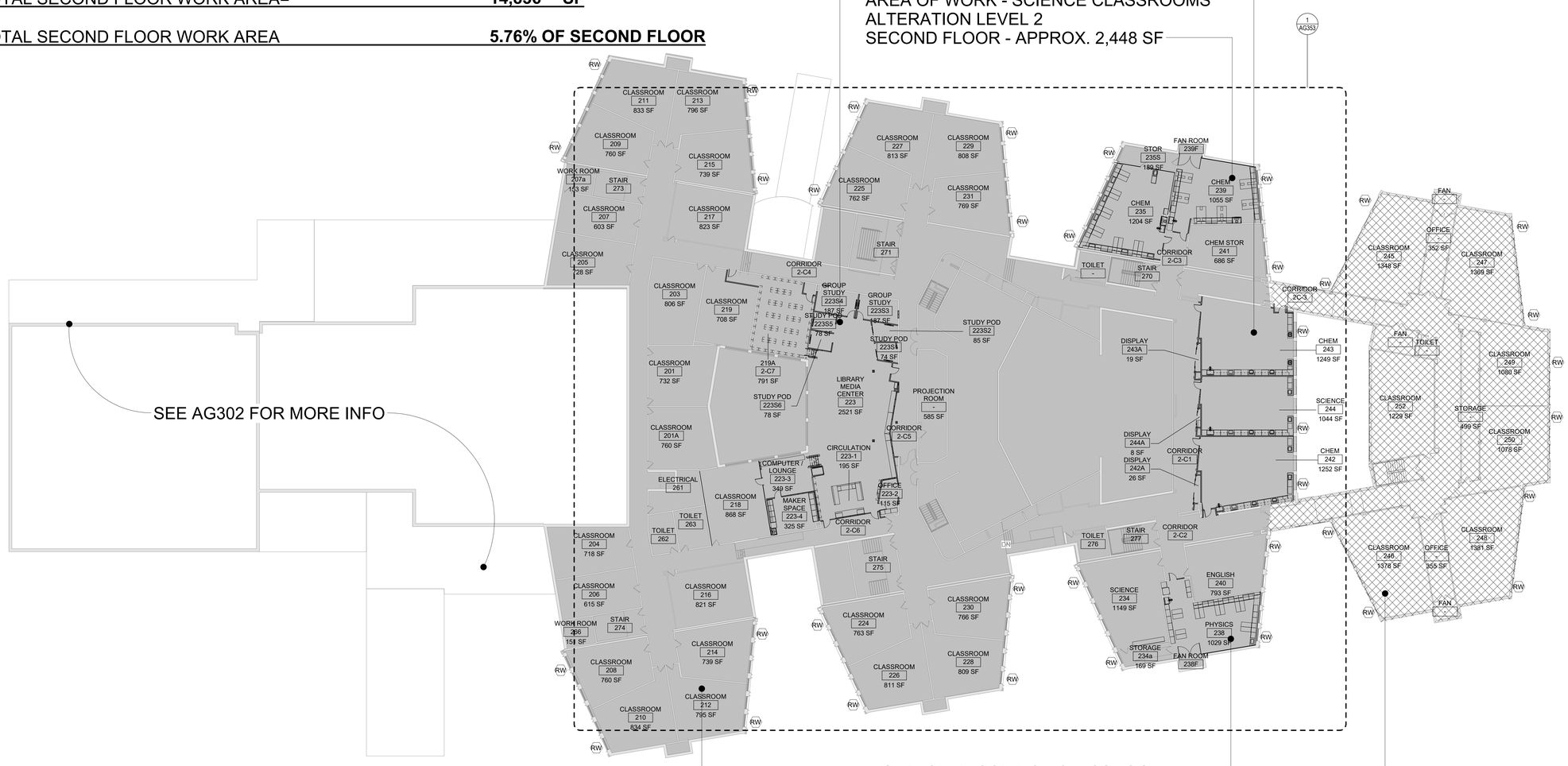
LIBRARY WORK AREA	4,985	SF
SCIENCE CLASSROOM WORK AREA	4,474	SF
SCIENCE CLASSROOM WORK AREA	2,448	SF
SCIENCE CLASSROOM WORK AREA	1,029	SF
MECHANICAL CLOSET WORK AREAS COMBINED	400	SF
FIRE ALARM / CLOCK / PA SYSTEM WORK AREAS COMBINED	1,500	SF
TOTAL SECOND FLOOR WORK AREA=	**14,836**	**SF**

TOTAL SECOND FLOOR WORK AREA **5.76% OF SECOND FLOOR**

AREA OF WORK - LIBRARY MEDIA CENTER
ALTERATION LEVEL 2
SECOND FLOOR - APPROX. 4,985 SF

AREA OF WORK - SCIENCE CLASSROOMS
ALTERATION LEVEL 2
SECOND FLOOR - APPROX. 4,474 SF

AREA OF WORK - SCIENCE CLASSROOMS
ALTERATION LEVEL 2
SECOND FLOOR - APPROX. 2,448 SF



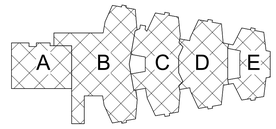
SEE AG302 FOR MORE INFO

AREA OF WORK - SCIENCE CLASSROOM
ALTERATION LEVEL 2
SECOND FLOOR - APPROX. 1,029 SF

ORIGINAL BUILDING 1966
SECOND FLOOR - 69,950 SF

BUILDING ADDITION 2000
SECOND FLOOR - 14,250 SF

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



Key Plan
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S.E.D. Control No. 48-01-01-06-0-004-020

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Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Second Floor Code Compliance Key Plan

Drawn By:	Date:	Drawing Number:
Author	8/21/20	AG303

Project No.: 121111-19002

FIRE RESISTANCE REQUIREMENTS		BLDG B1
Construction Classification		IIB
Occupancy Classification		E
EXTERIOR		
BEARING WALLS	TABLE 601	0
-SUPPORTING A ROOF ONLY		0
NON BEARING WALLS		
-FIRE SEPERATION DISTANCE > 30'		0
-FIRE SEPERATION DISTANCE < 30' AND > 10'	TABLE 602	0
-FIRE SEPERATION DISTANCE < 10' AND > 5'		1
-FIRE SEPERATION DISTANCE < 5'		1
OCCUPANCY SEPERATION	TABLE 508.4	0
INTERIOR		
FIRE WALLS	TABLE 706.4	2
BEARING WALLS	TABLE 601	0
-SUPPORTING A ROOF ONLY		0
STAIRWAY ENLOSURE		
-CONNECTING 4 STORIES OR MORE	TABLE 1023.2	2
-CONNECTING LESS THAN 4 STORIES		1
SHAFTWAYS		
-CONNECTING 4 STORIES OR MORE	713.4	2
-CONNECTING LESS THAN 4 STORIES		1
CORRIDORS	TABLE 1020.1	1
STRUCTURAL FRAME INCLUDING COLUMNS GIRDERS AND TRUSSES	TABLE 601	0
-SUPPORTING A ROOF ONLY		0
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS, JOISTS AND SECONDARY MEMBERS	TABLE 601	0
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS, JOISTS AND SECONDARY MEMBERS	TABLE 601	0

STRUCTURAL LOADS

A. LIVE LOADS PER BCNYS 1607

OCCUPANCY OR USE	UNIFORM	CONCENTRATED
CLASSROOM	40 PSF	1000 LBS
OFFICES	50 PSF	2000 LBS

REDUCTION IN LIVE LOADS HAS BEEN APPLIED WHERE PERMITTED PER 1607.11

B. ROOF LOADS PER BCNYS 1607.13

MINIMUM ROOF LIVE LOAD 20 PSF

C. RAIN LOAD PER BCNYS 1611
RAIN INTENSITY, I 2.75 INCH/HR

RAIN SURCHARGE LOAD HAS BEEN APPLIED TO AREAS WHERE PONDING OCCURS IN ACCORDANCE WITH IBC SECTION 1611.

C. SNOW LOADS PER BCNYS 1608

GROUND SNOW LOAD, Pg (FIGURE 1608.2)	30 PSF
FLAT ROOF SNOW LOAD, Pf (ASCE-7)	23 PSF
SNOW EXPOSURE FACTOR, Ce	1.0
THERMAL FACTOR, Ct	1.0
SNOW LOAD IMPORTANCE FACTOR, Is	1.1

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

D. WIND LOAD DESIGN CRITERIA PER BCNYS 1609

BASIC WIND SPEED (3 SECOND GUST), V	120 MPH
ALLOWABLE STRESS DESIGN WIND SPEED, Vasd	92.95 MPH
RISK CATEGORY	III
EXPOSURE CATEGORY	B
INTERNAL PRESSURE COEFFICIENT, GCPi	+/- 0.18

E. SEISMIC DESIGN CRITERIA PER BCNYS 1613

RISK CATEGORY	III
SEISMIC IMPORTANCE FACTOR Ie	1.25
MAPPED SPECTRAL RESPONSE ACCELERATION	
AT SHORT PERIODS, Ss	23.3%g
AT 1 SECOND PERIOD, S1	6.9%g
SITE CLASS	D
DESIGN SPECTRAL RESPONSE ACCELERATION	
AT SHORT PERIODS, SDS	24.9%g
AT 1 SECOND PERIOD, SD1	11.0%g
SEISMIC DESIGN CATEGORY	B

Code Compliance Review

PROJECT LOCATION:
421 BALDWIN PLACE RD. MAHOPAC, NY 10541
SOUTH OF LAKE MAHOPAC, BOUNDED BY BALDWIN PLACE RD. TO THE EAST, MYRTLE AVE TO THE WEST AND MAHOPAC MIDDLE SCHOOL TO THE NORTH.

PROJECT DESCRIPTION:
THIS PROJECT INCLUDES RENOVATION OF VARIOUS SPACES WITHIN THE HIGH SCHOOL INCLUDING STEM, MUSIC AND SCIENCE CLASSROOMS, LOCKER ROOM RENOVATIONS, SERVING AREA RENOVATIONS AND A NEW SECURE ENTRANCE LOBBY RENOVATION. MECHANICAL, ELECTRICAL AND PLUMBING ALL SUPPORT THIS WORK.

WORK GENERALLY CONSISTS OF THE FOLLOWING:
ALTERATIONS - LEVEL 2
- RECONFIGURING OF EXISTING CLASSROOMS INTO STEM CLASSROOMS
- RECONFIGURING OF MUSIC SUITE FOR INCREASED SPACE EFFICIENCY
- SCIENCE CLASSROOM RENOVATIONS WITHIN EXISTING ROOM FOOTPRINTS
- RECONFIGURING EXISTING CLASSROOMS INTO SCIENCE CLASSROOMS
- LOCKER ROOM UPGRADES
- SERVING AREA EQUIPMENT UPGRADES AND CIRCULATION IMPROVEMENTS
- RECONFIGURING OF MAIN ENTRANCE TO ENHANCE SECURITY

APPLICABLE CODES AND STANDARDS:

BASED ON THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE INCLUDING APPLICABLE 2018 ICC CODES, 2020 BUILDING CODE of NYS INCLUDING THE 2020 BCNYS, 2020 EBCNYS AND 2020 ECCNYS, ICC A117.1-09 STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES AND COMMISSIONER OF EDUCATIONS 155 REGULATIONS (SED MPS-98).

BUILDING DATA:

BUILDING: MAHOPAC HIGH SCHOOL
421 BALDWIN PLACE RD.
MAHOPAC, NY 10541

DESCRIPTION: FOUR STORY MASONRY AND REINFORCED CONCRETE BUILDING WITH BASEMENT AND ATTIC.

YEAR BUILT: 1966 KNAPPE AND JOHNSON ARCHITECTS

BUILDING AREA:

BASEMENT	49,800 SQFT
1ST FLOOR	123,600 SQFT
2ND FLOOR	84,200 SQFT
TOTAL GROSS AREA=	257,600 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
NEW: IIB

WORK AREA:

LOCATION	AREA		% OF TOTAL
BASEMENT	3,015	SQFT	1.17%
1ST FLOOR	12,410	SQFT	4.82%
2ND FLOOR	14,836	SQFT	5.76%

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 ICC CODES, 2020 BUILDING CODE of NYS INCLUDING THE 2020 BCNYS, 2020 EBCNYS AND 2020 ECCNYS, ICC A117.1-09 STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES AND COMMISSIONER OF EDUCATIONS 155 REGULATIONS (SED MPS-98).

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 CODE of NYS

ACCESSIBLE ROUTE AND ACCESSIBLE ENTRANCES:
FOR EXTERIOR ACCESSIBLE ROUTE AND ACCESSIBLE ENTRANCES - SEE AG352.

EXIT TRAVEL DISTANCE (PER TABLE 1017.2):
FOR EXIT TRAVEL DISTANCE - SEE AG350, AG351 & AG352.

STAIR AND OTHER EXIT WIDTH CALCULATIONS (PER 1005.3.1 AND 1005.3.2):
FOR EXIT TRAVEL DISTANCE - SEE SEE AG350, AG351 & AG352.

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.

ASSEMBLY AREAS (PER TABLE 1004.1.2):

UL DESIGN NUMBERS:

BEAMS	UL# S721
BAR JOISTS	UL# D902
COMPOSITE SLAB	UL# D902
COLUMNS	UL# X528
1 HR. STUD PARTITIONS	UL# U465
2 HR. STUD PARTITIONS	UL# U411
3 HR. SHAFT WALL PARTITIONS	UL# U415
1 HR. BLOCK PARTITIONS	UL# U905
2 HR. BLOCK PARTITIONS	UL# U905
3 HR. BLOCK PARTITIONS	UL# U904
ROOF ASSEMBLY	UL# S721

NOTES:
1. RATING PROVIDED BY 4" SOLID CONCRETE MASONRY UNITS - DETERMINATION OF EQUIVALENT THICKNESS OF CMU REQUIRED IS BASED ON SECTION 721 PRESCRIPTIVE FIRE RESISTANCE, TABLE 721.1 (2) RATED FIRE RESISTANCE PERIODS FOR VARIOUS WALLS AND PARTITIONS, ITEM NUMBER 3-1.2

2. ALL CMU CONSTRUCTION SHALL MEET FIRE RESISTANCE REQUIREMENTS INDICATED IN CHART OF SAME NAME ABOVE, BLOCK TYPE AS REQUIRED TO COMPLY WITH UL DESIGN NUMBERS AND AS REQUIRED TO COMPLY WITH RATED WALLS INDICATED ON CODE COMPLIANCE DRAWINGS. PROVIDE MINIMUM 4" SOLID CMU AT SUCH LOCATIONS REGARDLESS IF NOTED AS SUCH ON PLAN DETAILS.

INTERIOR FINISH REQUIREMENTS:

ALL FINISHES IN CORRIDORS AND ASSEMBLY SPACES SHALL HAVE A FIRE HAZARD CLASSIFICATION PER MANUAL OF PLANNING STANDARDS SECTION S202-2, a. THROUGH e.
[DELETE IF NOT A SCHOOL PROJECT]

RESCUE LABEL / SIGNAGE NOTES:

1. REFER TO PLANS FOR RESCUE WINDOW LOCATIONS.
2. ASSISTED LISTENING LISTENING DEVICES ARE PORTABLE. SEE SPEC. SECTION 27 51 16, 27 51 19, 27 51 23 and 27 51 23.50 PROVIDE SIGN AT AUDITORIUM.
3. REFER TO SIGNAGE SPECIFICATION AND SIGNAGE DRAWINGS FOR TYPES AND LOCATIONS.

PROVIDE MAX OCCUPANCY SIGNS FOR THE FOLLOWING:

ROOM NAME	OCCUPANCY
GYMNASIUM	0
AUDITORIUM	0
CAFETERIA	0
LIBRARY	0
MUSIC	0
NATATORIUM	0
LGI	0

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

SIGNAGE FOR BAR JOIST

SIGNAGE FOR AED'S

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

06 - CODE REVIEW - EDITED
12" = 1'-0"

General Code Notes

A. REFER TO CODE COMPLIANCE DRAWINGS 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 CODE COMPLIANCE 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 CODE COMPLIANCE DRAWINGS, REGARDLESS IF WALL IS NEW OR EXISTING, TYPICAL UNLESS NOTED OTHERWISE.

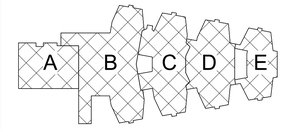
E. PROVIDE APPLIED FIREPROOFING TO ALL BEAMS, JOISTS AND STRUCTURAL STEEL ELEMENTS AT ALL FIRE BARRIERS, FIRE PARTITIONS, AND OTHER RATED WALLS WHERE INDICATED ON DRAWINGS, AND THAT ARE NOT COMPLETELY PROTECTED WITHIN THE RATED CONSTRUCTION. PROTECTION OF SUCH ELEMENTS SHALL MATCH THE RATING OF THE WALL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

Legend

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

- 1-HOUR FIRE BARRIER
- 1-HOUR FIRE PARTITION
- COMMON EGRESS PATH
- TRAVEL DISTANCE
- 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
- EXISTING FIRE EXTINGUISHER LOCATION
- AREA OF REFUGE
- AUTOMATED EXTERNAL DEFIBRILLATOR (AED)
- RW — RESCUE WINDOW



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

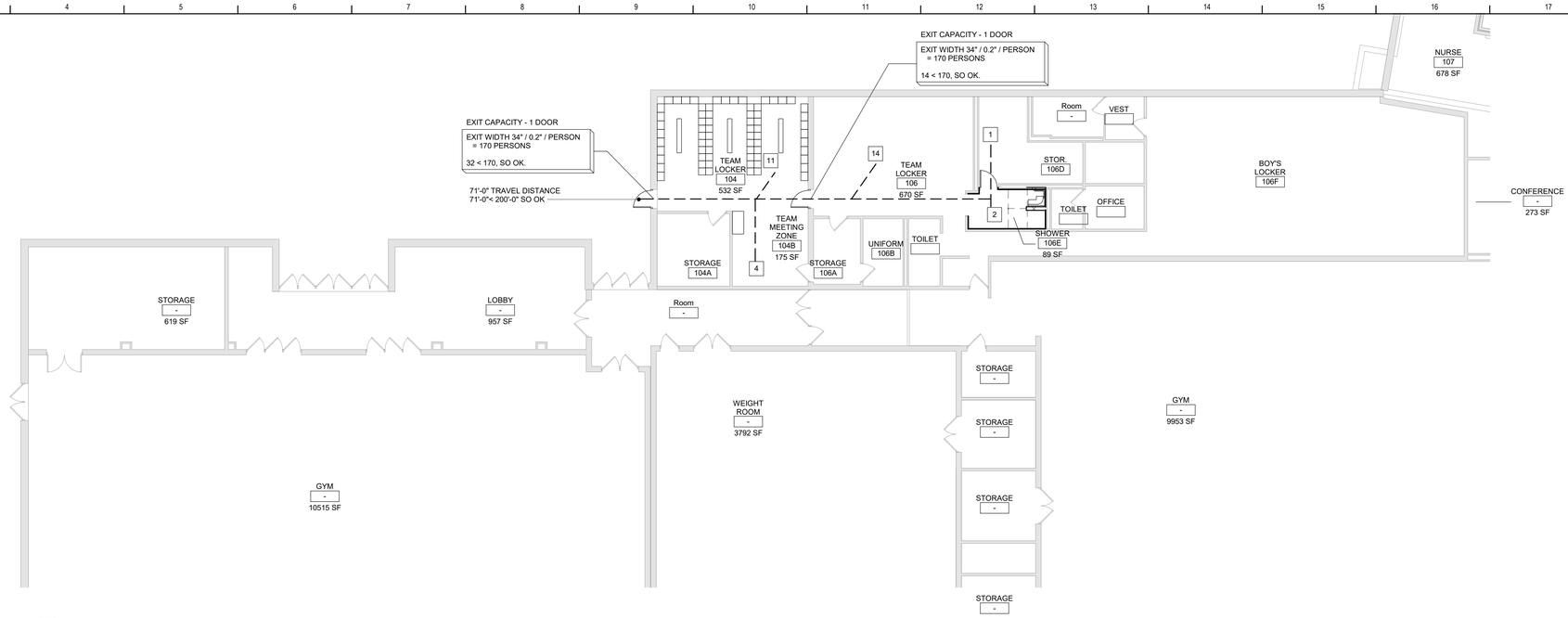
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

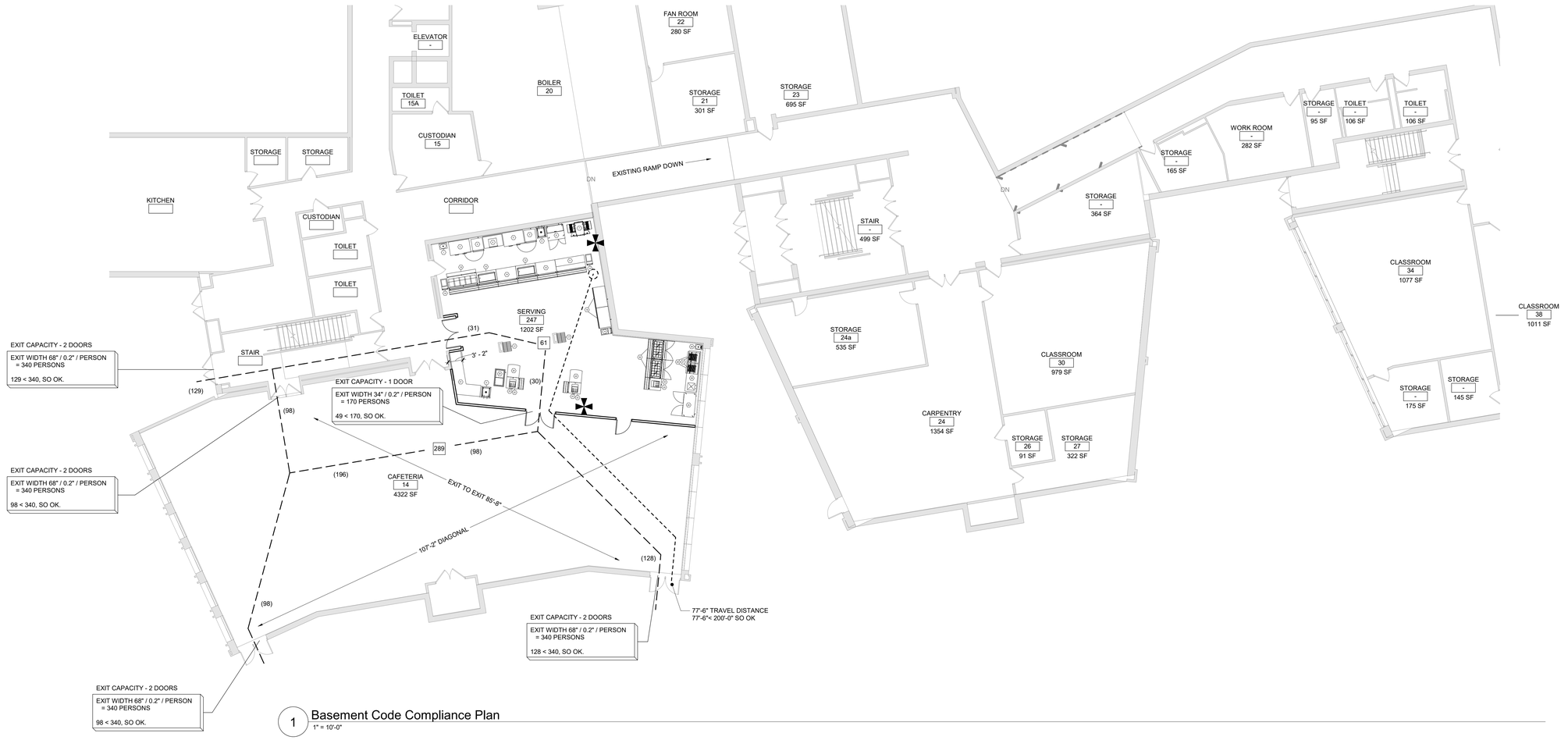
Code Compliance Review

Drawn By:	Date:	Drawing Number:
TS	8/21/20	AG350

Project No.: 121111-19002



2 First Floor Code Compliance Plan
1" = 10'-0"



1 Basement Code Compliance Plan
1" = 10'-0"

General Code Notes

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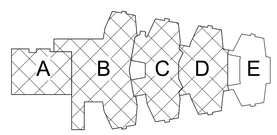

Key Plan
N.T.S.

N

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

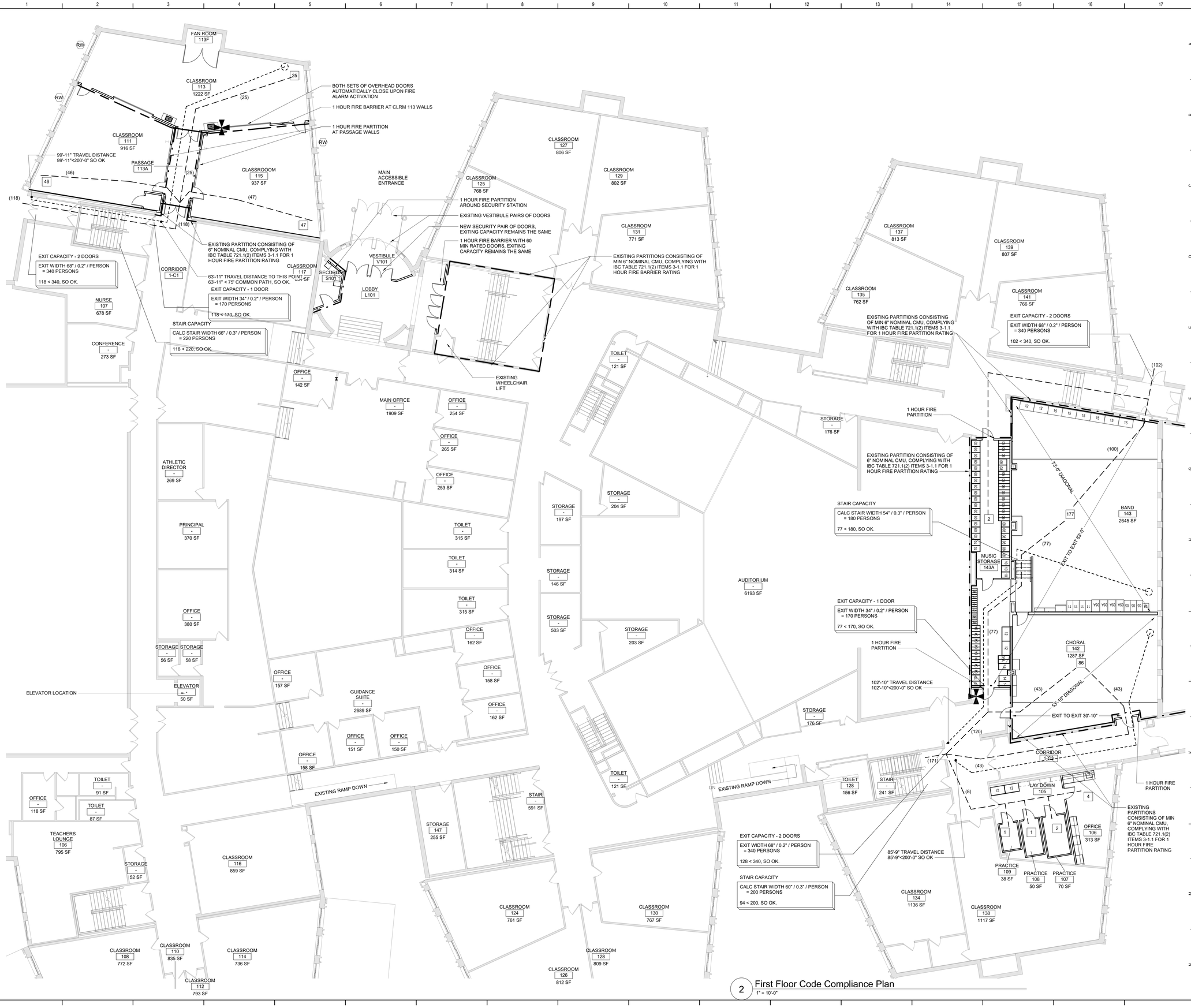
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Basement and First Floor Code Compliance Plan

Drawn By:	Date:	Drawing Number:
TS	8/21/20	AG351

Project No.: 121111-19002



General Code Notes

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- RW — RESCUE WINDOW

2 First Floor Code Compliance Plan
1" = 10'-0"

A B C D E

Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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BID SET

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

TETRA TECH ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

First Floor Code Compliance Plan

Drawn By:	Date:	Drawing Number:
TS	8/21/20	AG352
Project No.: 121111-19002		

CLASSROOM 211 833 SF
CLASSROOM 213 796 SF
CLASSROOM 209 760 SF
CLASSROOM 215 739 SF
WORK ROOM 207a 153 SF
STAIR 273 247 SF
CLASSROOM 207 603 SF
CLASSROOM 217 823 SF
CLASSROOM 205 728 SF
CLASSROOM 227 813 SF
CLASSROOM 229 808 SF
CLASSROOM 225 762 SF
CLASSROOM 231 769 SF
STAIR 271 472 SF
CLASSROOM 203 806 SF
CLASSROOM 219 708 SF
219A 2-C7 791 SF
CLASSROOM 201 732 SF
CLASSROOM 201A 760 SF
COURTYARD
CLASSROOM 216 821 SF
CLASSROOM 224 763 SF
CLASSROOM 230 766 SF
CLASSROOM 214 739 SF
CLASSROOM 228 809 SF
CLASSROOM 212 795 SF
CLASSROOM 226 811 SF
CLASSROOM 210 834 SF
CLASSROOM 204 718 SF
CLASSROOM 206 615 SF
STAIR 274 246 SF
WORK ROOM 266 151 SF
CLASSROOM 208 760 SF
ELEVATOR -
ELECTRICAL 261 288 SF
TOILET 262 199 SF
TOILET 263 239 SF
CLASSROOM 218 868 SF
COMPUTER / LOUNGE 223-3 349 SF
MAKER SPACE 223-4 325 SF
CIRCULATION 223-1
OFFICE 223-2 115 SF
PROJECTION ROOM - 585 SF
UPPER AUDITORIUM
STOR 235S
CHEM 235 1204 SF
CHEM 239 1055 SF
CHEM STOR 241
CORRIDOR 2-C3
TOILET - 158 SF
STAIR 270 240 SF
CHEM 243 1249 SF
SCIENCE 244 1044 SF
CORRIDOR 2-C1
CHEM 242 1252 SF
CORRIDOR 2-C2
STAIR 277 240 SF
TOILET 276 175 SF
SCIENCE 234 1149 SF
PHYSICS 238 1029 SF
STORAGE 234a
ENGLISH 240 793 SF
CORRIDOR 2-C4
CORRIDOR 2-C5
CORRIDOR 2-C6
GROUP STUDY 223S4 187 SF
GROUP STUDY 223S3 187 SF
STUDY POD 223S5 78 SF
STUDY POD 223S2 85 SF
STUDY POD 223S6 77 SF
STUDY POD 223S1 85 SF
STAIR 275 494 SF

STAIR CAPACITY
CALC STAIR WIDTH 144" / 0.3" / PERSON = 480 PERSONS
55 < 480, SO OK.

EXIT CAPACITY - 2 DOORS
EXIT WIDTH 68" / 0.2" / PERSON = 340 PERSONS
55 < 340, SO OK.

STAIR CAPACITY
CALC STAIR WIDTH 60" / 0.3" / PERSON = 200 PERSONS
103 < 200, SO OK.

EXIT CAPACITY - 2 DOORS
EXIT WIDTH 68" / 0.2" / PERSON = 340 PERSONS
103 < 340, SO OK.

EXIT CAPACITY - 1 DOOR
EXIT WIDTH 34" / 0.2" / PERSON = 170 PERSONS
34 < 170, SO OK.

EXIT CAPACITY - 2 DOORS
EXIT WIDTH 68" / 0.2" / PERSON = 340 PERSONS
85 < 340, SO OK.

STAIR CAPACITY
CALC STAIR WIDTH 144" / 0.3" / PERSON = 480 PERSONS
85 < 480, SO OK.

STAIR CAPACITY
CALC STAIR WIDTH 60" / 0.3" / PERSON = 200 PERSONS
94 < 200, SO OK.

EXIT CAPACITY - 2 DOORS
EXIT WIDTH 68" / 0.2" / PERSON = 340 PERSONS
94 < 340, SO OK.

EXISTING CORRIDOR PARTITION AROUND LIBRARY CONSISTING OF 6" NOMINAL CMU, COMPLYING WITH IBC TABLE 721.1(2) ITEMS 3-1.1 FOR 1 HOUR FIRE PARTITION RATING

EXISTING PARTITION CONSISTING OF 12" NOMINAL CMU, COMPLYING WITH IBC TABLE 721.1(2) ITEMS 3-1.1 FOR 1 HOUR FIRE PARTITION RATING

EXISTING PARTITION CONSISTING OF 6" MIN NOMINAL CMU, COMPLYING WITH IBC TABLE 721.1(2) ITEMS 3-1.1 FOR 1 HOUR FIRE PARTITION RATING

1 HOUR FIRE PARTITION AT CORRIDOR WALLS

111'-9" TRAVEL DISTANCE
111'-9"<200'-0" SO OK

69' TRAVEL DISTANCE
69'<200'-0" SO OK

79'-10" TRAVEL DISTANCE
79'-10"<200'-0" SO OK

134'-11"" TRAVEL DISTANCE
134'-11"<200'-0" SO OK

116'-10" TRAVEL DISTANCE
116'-10"<200'-0" SO OK

74'-3" TRAVEL DISTANCE
74'-3"<200'-0" SO OK

EXISTING RAMP DOWN

DN EXISTING RAMP DOWN

RW

1 Second Floor Code Compliance Plan
1" = 10'-0"

COURTYARD
A B C D E

Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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BID SET

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

TETRA TECH ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Second Floor Code Compliance Plan

Drawn By:	Date:	Drawing Number:
TS	8/21/20	AG353

Project No.: 121111-19002

Pipe/Fitting Insulation Removal

1. IN INDICATED AREAS REMOVE AND DISPOSE OF IDENTIFIED ASBESTOS CONTAINING PIPE / FITTING INSULATION.
2. WHERE THE AMOUNT OF PIPE INSULATION IS NOT INDICATED, QUANTITY IS UNKNOWN. REMOVE ALL PIPE / FITTING INSULATION IN THE INDICATED AREA AND WITHIN ADJACENT WALLS, CHASES AND CEILING SPACES.
3. OPEN ALL WALLS, CEILINGS AND CHASES SCHEDULED TO BE DISTURBED IN THE RENOVATION AND REMOVE ALL PIPE / FITTING INSULATION WITHIN. OPENING OF WALLS, CEILINGS, AND CHASES SHALL BE TO THE EXTENT NECESSARY TO ACCESS AND REMOVE ALL PIPE / FITTING INSULATION WITHIN. COORDINATE WITH OTHERS TO DETERMINE THE EXTENT OF ACCESS / REMOVALS NECESSARY. CONTRACTOR SHALL PROVIDE ADDITIONAL OPENINGS AS NECESSARY SHOULD THE INITIAL OPENINGS NOT ADEQUATELY ACCESS ALL MATERIAL. IF ENTIRE SUBSTRATE IS SCHEDULED TO BE REMOVED, CONTRACTOR MAY ELECT TO REMOVE ENTIRE SURFACE IN LIEU OF CREATING MULTIPLE OPENINGS. COORDINATE EXTENTS, LOCATIONS, AND INTENT TO REMOVE ENTIRE SUBSTRATE WITH DRAWINGS AND OTHER CONTRACTORS.
4. REMOVE FIBERGLASS PIPE INSULATION WHICH ABUTS THE ACM MUDDED FITTING INSULATION A MINIMUM OF 6" FROM ANY VISIBLE MUDDED FITTING INSULATION. LEAVE AN EVEN EDGE WHICH IS PERPENDICULAR TO THE PIPE RUN.
5. IN ADDITION TO THE NUMBER OF FITTINGS IDENTIFIED TO BE REMOVED, INCLUDE 5 TENTS AND 15 GLOVEBAGS. SPECIFIC LOCATIONS AND AMOUNTS OF ADDITIONAL REMOVAL SHALL BE FIELD DIRECTED AS REQUIRED. THE BASE BID SHALL BE ADJUSTED USING UNIT PRICES TO REFLECT THE VALUE OF THE ACTUAL NUMBER OF TENTS AND GLOVEBAGS USED. ASSUME TENT SIZE TO BE APPROXIMATELY 10'X10'X10.
6. ALL PIPE AND FITTING INSULATION REMOVAL SHALL BE PERFORMED:
   - a. WITHIN A FULL CONTAINMENT WORK AREA.
   - b. IN ACCORDANCE WITH ICR 56-7.11 "1."NEGATIVE PRESSURE TENT REGULATED ABATEMENT WORK AREA ENCLOSURE" OR.
   - c. IN ACCORDANCE WITH A SPECIFIC VARIANCE WHICH IS GRANTED BY THE NYSDOL AND APPROVED BY THE OWNER AND ARCHITECT.
7. LIMITED AREAS OF DAMAGED INSULATION AND ASSOCIATED DEBRIS ARE ANTICIPATED. PERFORM PREPARATION WORK TO AVOID DISTURBANCE OF ANY DEBRIS UNTIL THE WORK AREA IS ESTABLISHED. REMOVE AND DISPOSE OF ALL INSULATION DEBRIS WITHIN THE GENERAL VICINITY OF SCHEDULED PIPE INSULATION REMOVAL.
8. IN AREAS WHERE DEBRIS IS IDENTIFIED, ACM PIPE INSULATION HAS BEEN DISTURBED AND IS LAYING ON SURFACES BELOW, CLEAN THE LOCALIZED AREA.S:.OF DEBRIS IN THEIR ENTIRETYAND AN ADDITIONAL 3' FROM THE EXTENTS OF DEBRIS. CLEANABLE SURFACES MAY BE DECONTAMINATED AND MAY REMAIN IN PLACE OR MAY BE DISPOSED OF AS NON-ACM.:NON-CLEANABLE SURFACES IN THIS AREA SCHEDULED FOR REMOVAL SHALL BE DISPOSED OF ACM.

Tank Abatement Notes

1. WATER STORAGE TANK INSULATION IS ASBESTOS CONTAINING.
2. COMPLETELY DISMANTLE THE STORAGE TANK AND INSULATION. ALL NON-METAL MATERIALS SHALL BE HANDLED AND DISPOSED OF AS ASBESTOS CONTAINING MATERIALS.
3. LEGALLY DISPOSE OR RECYCLE REMAINING CLEANED METALLIC TANK COMPONENTS.

Vibration Isolation Cloth Removal Notes

1. VIBRATION ISOLATION DAMPENERS THAT EXIST BETWEEN AIR HANDLING UNITS AND DUCTWORK ARE PRESUMED TO BE ASBESTOS CONTAINING.
2. REMOVE DAMPERS AND THEIR CONNECTIONS COMPLETELY FROM BETWEEN UNITS.
3. CLEAN ALL REMAINING ADJACENT DUCTWORK OF ALL RESIDUAL PRESUMED ACM.

Lead Sa e Work Practices

1. EACH PRIME CONTRACTOR IS RESPONSIBLE FOR THEIR OWN WORK WHICH WILL DISTURB LEAD PAINTED OR CONTAINING MATERIALS.
2. LEAD BASED PAINT HAS BEEN IDENTIFIED ON:
   - a. NONE
3. PERFORM ALL WORK THAT WILL DISTURB LBP IN ACCORDANCE WITH SECTION 02 83 00 - LEAD-SAFE WORK PRACTICES.

Wall Tile Abatement Notes

1. IN ALL AREAS WHERE WALL TILE REMOVAL IS INDICATED, REMOVE AND DISPOSE OF ANY AND ALL :INCLUDING MULTIPLE LAYERS::OF THE FOLLOWING:
   - a. WALL TILE
   - b. WALL TILE GROUT
   - c. WALL TILE MASTIC/THINSET/BACKING
2. PERFORM THE MASTIC REMOVAL USING MECHANICAL / MANUAL METHODS ONLY. NO CHEMICAL MASTIC REMOVAL PRODUCTS ARE ALLOWED.
3. ALL WORK, REMOVALS, SUBSTRATE REPAIR, ETC. SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 02 82 00 - ASBESTOS ABATEMENT.
4. REMOVE ALL MATERIALS FROM THE SUBSTRATE.

Floor Tile Abatement Notes

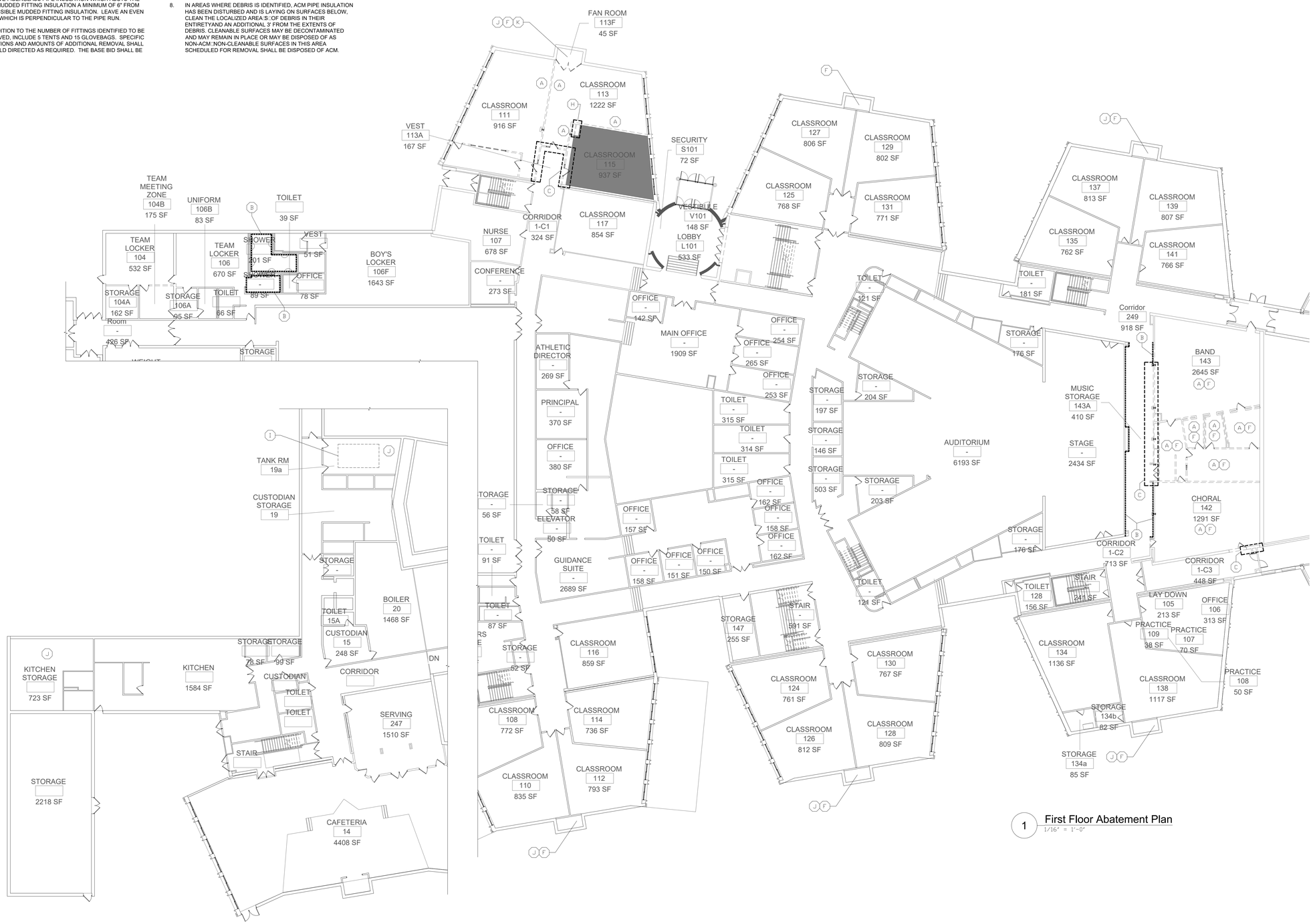
1. IN ALL AREAS WHERE FLOOR TILE AND MASTIC REMOVAL ARE INDICATED, REMOVE AND DISPOSE OF ANY AND ALL :INCLUDING MULTIPLE LAYERS::OF THE FOLLOWING:
   - a. FLOOR TILE
   - b. FLOOR TILE MASTIC
   - c. WOOD UNDERLAYMENT
   - d. COVE BASE
   - e. COVE BASE MASTIC
   - f. CARPET
   - g. CARPET MASTIC
2. ALL WORK, REMOVALS, SUBSTRATE REPAIR, ETC. SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 02 82 00 - ASBESTOS ABATEMENT.
3. REMOVE ALL MATERIALS FROM THE SUBSTRATE.
4. WHERE FLOORING REMOVAL IS INDICATED UNDER CASEWORK, COORDINATE WITH OTHERS TO DETERMINE IF CASEWORK SHALL BE SALVAGED, CLEANED AND TURNED OVER FOR REINSTALLATION, OR DISPOSED OF AS ASBESTOS CONTAMINATED MATERIAL.
5. WHERE FLOORING REMOVAL IS SHOWN AT DOOR THRESHOLDS OR OTHER TERMINATION POINTS TO ADJACENT SPACES, COORDINATE EXACT EXTENT OF REMOVALS SCHEDULED WITH CONTRACTOR RESPONSIBLE FOR NEW FLOORING INSTALLATION.

Legend

- REMOVE ACM FLOOR TILE & MASTIC
- (A) REMOVE CHALK/TACK BOARD WITH PRESUMED ACM MASTIC
- (B) REMOVE CERAMIC WALL TILE WITH ACM GROUT & ACM THINSET/MASTIC/BACKING FROM WALL SCHEDULED TO REMAIN
- (B*) PROVIDE SPOT REMOVAL OF CERAMIC WALL TILE AND GROUT/THINSET/BACKING FOR ASSOCIATED WORK. COORDINATE LOCATION AND EXTENT WITH OTHERS.
- (C) REMOVE WALL WITH ACM CERAMIC TILE GROUT/THINSET/BACKING
- (D) REMOVE DOOR SYSTEM FROM WALL WITH ACM CERAMIC WALL TILE GROUT/THINSET
- (E) PROVIDE OPENING IN WALL WITH ACM CERAMIC WALL TILE GROUT/THINSET
- (F) REMOVE PRESUMED ASBESTOS CONTAINING VIBRATION ISOLATION CLOTH:S:.COMPLETE FROM INDICATED SPACE INCLUDING ANY LOCATED/CONCEALED ABOVE CEILING
- (G) ATTACH DEVICE TO WALL WITH ACM CERAMIC TILE GROUT/THINSET
- (H) OPEN WALL/CHASE/CEILING AND REMOVE ALL ACM PIPE FITTING INSULATION PRESUMED TO EXIST WITHIN
- (I) REMOVE WATER STORAGE TANK WITH ASBESTOS CONTAINING INSULATION
- (J) REMOVE ASBESTOS CONTAINING PIPE ELBOW/FITTING INSULATION COMPLETE WITHIN THE EXTENTS OF THE INDICATED SPACE
- (K) REMOVE WOOD AHU CLOSET DOORS WITH PRESUMED ASBESTOS CONTAINING INSULATION PIN MASTIC
- (L) REMOVE EXISTING SUSPENDED NON-ACM CEILING TILE SYSTEM INCLUDING PERIMETER TRACK WHICH IS ATTACHED TO ACM CERAMIC WALL TILE SYSTEM. INSTALL NEW CEILING SYSTEM PERIMETER TRACK. COORDINATE EXTENT OF REMOVALS, AND EXACT LOCATION, HEIGHT, ETC OF INSTALLATIONS WITH CONTRACTOR RESPONSIBLE FOR REMAINDER OF CEILING INSTALLATION.
- (M) REMOVE PRESUMED ACM TRANSITE BOTTLE RACK

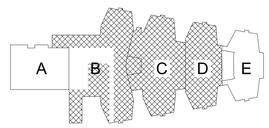
Asbestos Abatement General Notes

1. CONTRACTOR PERFORMING ANY AND ALL ASBESTOS ABATEMENT WORK SHALL BE A NYSDOL LICENSED ASBESTOS CONTRACTOR.
2. PERFORM ALL WORK IN ACCORDANCE WITH SPECIFICATION SECTION 02 82 00 - ASBESTOS ABATEMENT.
3. ASBESTOS CONTAINING MATERIALS SHALL BE ABATED IN ACCORDANCE WITH THE DRAWINGS AND SECTION 02 82 00 PRIOR TO ANY GENERAL DEMOLITION WORK THAT COULD DISTURB THOSE MATERIALS.
4. DO NOT SCALE DRAWINGS.
5. COORDINATE ALL WORK WITH OTHER CONTRACTORS.
6. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY AND ALL VARIANCES FROM INDUSTRIAL CODE RULE 56, WHICH ARE DESIRED OR NECESSARY TO PERFORM THE WORK.
7. REMOVE ALL ABATED MATERIALS FROM THE WORK AREA AND /OR BUILDING IN SEALED BAGS, DRUMS OR PLASTIC SHEETING.
8. WHERE INTERIOR ABATEMENT OCCURS, ISOLATE THE WING OR MAJOR SECTION OF THE BUILDING, FROM OCCUPIED PORTIONS OF THE BUILDING WITH SEALED ISOLATION BARRIERS CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS. THE ISOLATED PORTION OF THE BUILDING MUST CONTAIN EXITS THAT DO NOT PASS THROUGH THE OCCUPIED PORTION OF THE BUILDING AND VENTILATION SYSTEMS SHALL BE PHYSICALLY SEPARATED AND SEALED AT THE ISOLATION BARRIER.



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

2 Partial Basement Abatement Plan
1/16" = 1'-0"



Key Plan

S.E.D. Control No: 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

BID SET

TETRA TECH ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstr ction to:
Mahopac High School

Basement and First Floor Abatement Plans

Drawn by:	Date:	Drawing No.:
TJT	8/21/20	AH100
Pro ject No.: 121111-19002		

Lead Sa□e Work Practices

1. EACH PRIME CONTRACTOR IS RESPONSIBLE FOR THEIR OWN WORK WHICH WILL DISTURB LEAD PAINTED OR CONTAINING MATERIALS.
2. LEAD BASED PAINT HAS BEEN IDENTIFIED ON:
   a. NONE
3. PERFORM ALL WORK THAT WILL DISTURB LBP IN ACCORDANCE WITH SECTION 02 83 00 - LEAD-SAFE WORK PRACTICES.

Vibration Isolation Cloth Removal Notes

1. VIBRATION ISOLATION DAMPENERS THAT EXIST BETWEEN AIR HANDLING UNITS AND DUCTWORK ARE PRESUMED TO BE ASBESTOS CONTAINING.
2. REMOVE DAMPERS AND THEIR CONNECTIONS COMPLETELY FROM BETWEEN UNITS.
3. CLEAN ALL REMAINING ADJACENT DUCTWORK OF ALL RESIDUAL PRESUMED ACM.

Floor Tile Abatement Notes

1. IN ALL AREAS WHERE FLOOR TILE AND MASTIC REMOVAL ARE INDICATED, REMOVE AND DISPOSE OF ANY AND ALL □INCLUDING MULTIPLE LAYERS□OF THE FOLLOWING:
   a. FLOOR TILE
   b. FLOOR TILE MASTIC
   c. WOOD UNDERLAYMENT
   d. COVE BASE
   e. COVE BASE MASTIC
   □. CARPET
   g. CARPET MASTIC
2. ALL WORK, REMOVALS, SUBSTRATE REPAIR, ETC. SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 02 82 00 - ASBESTOS ABATEMENT.
3. REMOVE ALL MATERIALS FROM THE SUBSTRATE.
4. WHERE FLOORING REMOVAL IS INDICATED UNDER CASEWORK, COORDINATE WITH OTHERS TO DETERMINE IF CASEWORK SHALL BE SALVAGED, CLEANED AND TURNED OVER FOR REINSTALLATION, OR DISPOSED OF AS ASBESTOS CONTAMINATED MATERIAL.
5. WHERE FLOORING REMOVAL IS SHOWN AT DOOR THRESHOLDS OR OTHER TERMINATION POINTS TO ADJACENT SPACES, COORDINATE EXACT EXTENT OF REMOVALS SCHEDULED WITH CONTRACTOR RESPONSIBLE FOR NEW FLOORING INSTALLATION.

Wall Tile Abatement Notes

1. IN ALL AREAS WHERE WALL TILE REMOVAL IS INDICATED, REMOVE AND DISPOSE OF ANY AND ALL □INCLUDING MULTIPLE LAYERS□OF THE FOLLOWING:
   a. WALL TILE
   b. WALL TILE GROUT
   c. WALL TILE MASTIC/THINSET/BACKING
2. PERFORM THE MASTIC REMOVAL USING MECHANICAL / MANUAL METHODS ONLY. NO CHEMICAL MASTIC REMOVAL PRODUCTS ARE ALLOWED.
3. IN AREAS WHERE PARTIAL OR WHOLESALE WALL REMOVAL ARE INDICATED, COORDINATE EXTENT OF REMOVALS WITH CONTRACTOR RESPONSIBLE FOR ASSOCIATED WORK. LEAVE A CLEAN, STRAIGHT EDGE READY TO ACCEPT NEW WORK UPON COMPLETION OF REMOVALS.
4. ALL WORK, REMOVALS, SUBSTRATE REPAIR, ETC. SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 02 82 00 - ASBESTOS ABATEMENT.
5. REMOVE ALL MATERIALS FROM THE SUBSTRATE.

Pipe/Fitting Ins□lation Removal

1. IN INDICATED AREAS REMOVE AND DISPOSE OF IDENTIFIED ASBESTOS CONTAINING PIPE / FITTING INSULATION.
2. WHERE THE AMOUNT OF PIPE INSULATION IS NOT INDICATED, QUANTITY IS UNKNOWN, REMOVE ALL PIPE / FITTING INSULATION IN THE INDICATED AREA AND WITHIN ADJACENT WALLS, CHASES AND CEILING SPACES.
3. OPEN ALL WALLS, CEILINGS AND CHASES SCHEDULED TO BE DISTURBED IN THE RENOVATION AND REMOVE ALL PIPE / FITTING INSULATION WITHIN. OPENING OF WALLS, CEILINGS, AND CHASES SHALL BE TO THE EXTENT NECESSARY TO ACCESS AND REMOVE ALL PIPE / FITTING INSULATION WITHIN. COORDINATE WITH OTHERS TO DETERMINE THE EXTENT OF ACCESS / REMOVALS NECESSARY. CONTRACTOR SHALL PROVIDE ADDITIONAL OPENINGS AS NECESSARY SHOULD THE INITIAL OPENINGS NOT ADEQUATELY ACCESS ALL MATERIAL. IF ENTIRE SUBSTRATE IS SCHEDULED TO BE REMOVED, CONTRACTOR MAY ELECT TO REMOVE ENTIRE SURFACE IN LIEU OF CREATING MULTIPLE OPENINGS. COORDINATE EXTENTS, LOCATIONS, AND INTENT TO REMOVE ENTIRE SUBSTRATE WITH DRAWINGS AND OTHER CONTRACTORS.
4. REMOVE FIBERGLASS PIPE INSULATION WHICH ABUTS THE ACM MUDDED FITTING INSULATION A MINIMUM OF 6" FROM ANY VISIBLE MUDDED FITTING INSULATION. LEAVE AN EVEN EDGE WHICH IS PERPENDICULAR TO THE PIPE RUN.
5. IN ADDITION TO THE NUMBER OF FITTINGS IDENTIFIED TO BE REMOVED, INCLUDE 20 TENTS AND 50 GLOVEBAGS. SPECIFIC LOCATIONS AND AMOUNTS OF ADDITIONAL REMOVAL SHALL BE FIELD DIRECTED AS REQUIRED. THE BASE BID SHALL BE ADJUSTED USING UNIT PRICES TO REFLECT THE VALUE OF THE ACTUAL NUMBER OF TENTS AND GLOVEBAGS USED. ASSUME TENT SIZE TO BE APPROXIMATELY 10'X10'X10.
6. ALL PIPE AND FITTING INSULATION REMOVAL SHALL BE PERFORMED:
   a□ WITHIN A FULL CONTAINMENT WORK AREA□
   b□ IN ACCORDANCE WITH ICR 56-7.11 □□1□"NEGATIVE PRESSURE TENT REGULATED ABATEMENT WORK AREA ENCLOSURE" OR□
   c□ IN ACCORDANCE WITH A SPECIFIC VARIANCE WHICH IS GRANTED BY THE NYSDOL AND APPROVED BY THE OWNER AND ARCHITECT.
7. LIMITED AREAS OF DAMAGED INSULATION AND ASSOCIATED DEBRIS ARE ANTICIPATED. PERFORM PREPARATION WORK TO AVOID DISTURBANCE OF ANY DEBRIS UNTIL THE WORK AREA IS ESTABLISHED. REMOVE AND DISPOSE OF ALL INSULATION DEBRIS WITHIN THE GENERAL VICINITY OF SCHEDULED PIPE INSULATION REMOVAL.
8. IN AREAS WHERE DEBRIS IS IDENTIFIED, ACM PIPE INSULATION HAS BEEN DISTURBED AND IS LAYING ON SURFACES BELOW, CLEAN THE LOCALIZED AREA S□OF DEBRIS IN THEIR ENTIRETYAND AN ADDITIONAL 3' FROM THE EXTENTS OF DEBRIS. CLEANABLE SURFACES MAY BE DECONTAMINATED AND MAY REMAIN IN PLACE OR MAY BE DISPOSED OF AS NON-ACM□NON-CLEANABLE SURFACES IN THIS AREA SCHEDULED FOR REMOVAL SHALL BE DISPOSED OF ACM.

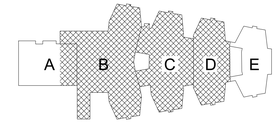
1 Second Floor Abatement Plan
1/16" = 1'-0"

Legend

- REMOVE ACM FLOOR TILE & MASTIC
- REMOVE ACM FLOOR TILE WITH NON-ACM MASTIC
- (A) REMOVE CHALK/TACK BOARD WITH PRESUMED ACM MASTIC
- (B) REMOVE CERAMIC WALL TILE WITH ACM GROUT & ACM THINSET/MASTIC/BACKING FROM WALL SCHEDULED TO REMAIN
- (B*) PROVIDE SPOT REMOVAL OF CERAMIC WALL TILE AND GROUT/THINSET/BACKING FOR ASSOCIATED WORK. COORDINATE LOCATION AND EXTENT WITH OTHERS.
- (C) REMOVE WALL WITH ACM CERAMIC TILE GROUT/THINSET/BACKING
- (D) REMOVE DOOR SYSTEM FROM WALL WITH ACM CERAMIC WALL TILE GROUT/THINSET
- (E) PROVIDE OPENING IN WALL WITH ACM CERAMIC WALL TILE GROUT/THINSET
- (F) REMOVE PRESUMED ASBESTOS CONTAINING VIBRATION ISOLATION CLOTH□S□COMPLETE FROM INDICATED SPACE INCLUDING ANY LOCATED/CONCEALED ABOVE CEILING
- (G) ATTACH DEVICE TO WALL WITH ACM CERAMIC TILE GROUT/THINSET
- (H) OPEN WALL/CHASE/CEILING AND REMOVE ALL ACM PIPE FITTING INSULATION PRESUMED TO EXIST WITHIN
- (I) REMOVE WATER STORAGE TANK WITH ASBESTOS CONTAINING INSULATION
- (J) REMOVE ASBESTOS CONTAINING PIPE ELBOW/FITTING INSULATION COMPLETE WITHIN THE EXTENTS OF THE INDICATED SPACE
- (K) REMOVE WOOD AHU CLOSET DOORS WITH PRESUMED ASBESTOS CONTAINING INSULATION PIN MASTIC
- (L) REMOVE EXISTING SUSPENDED NON-ACM CEILING TILE SYSTEM INCLUDING PERIMETER TRACK WHICH IS ATTACHED TO ACM CERAMIC WALL TILE SYSTEM. INSTALL NEW CEILING SYSTEM PERIMETER TRACK. COORDINATE EXTENT OF REMOVALS, AND EXACT LOCATION, HEIGHT, ETC OF INSTALLATIONS WITH CONTRACTOR RESPONSIBLE FOR REMAINDER OF CEILING INSTALLATION.
- (M) REMOVE PRESUMED ACM TRANSITE BOTTLE RACK

Asbestos Abatement General Notes

1. CONTRACTOR PERFORMING ANY AND ALL ASBESTOS ABATEMENT WORK SHALL BE A NYSDOL LICENSED ASBESTOS CONTRACTOR.
2. PERFORM ALL WORK IN ACCORDANCE WITH SPECIFICATION SECTION 02 82 00 - ASBESTOS ABATEMENT.
3. ASBESTOS CONTAINING MATERIALS SHALL BE ABATED IN ACCORDANCE WITH THE DRAWINGS AND SECTION 02 82 00 PRIOR TO ANY GENERAL DEMOLITION WORK THAT COULD DISTURB THOSE MATERIALS.
4. DO NOT SCALE DRAWINGS.
5. COORDINATE ALL WORK WITH OTHER CONTRACTORS.
6. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY AND ALL VARIANCES FROM INDUSTRIAL CODE RULE 56, WHICH ARE DESIRED OR NECESSARY TO PERFORM THE WORK.
7. REMOVE ALL ABATED MATERIALS FROM THE WORK AREA AND /OR BUILDING IN SEALED BAGS, DRUMS OR PLASTIC SHEETING.
8. WHERE INTERIOR ABATEMENT OCCURS, ISOLATE THE WING OR MAJOR SECTION OF THE BUILDING, FROM OCCUPIED PORTIONS OF THE BUILDING WITH SEALED ISOLATION BARRIERS CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS. THE ISOLATED PORTION OF THE BUILDING MUST CONTAIN EXITS THAT DO NOT PASS THROUGH THE OCCUPIED PORTION OF THE BUILDING AND VENTILATION SYSTEMS SHALL BE PHYSICALLY SEPARATED AND SEALED AT THE ISOLATION BARRIER.



Key Plan

S.E.D. Control No: 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

complex world | CLEAR SOLUTIONS

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

BID SET

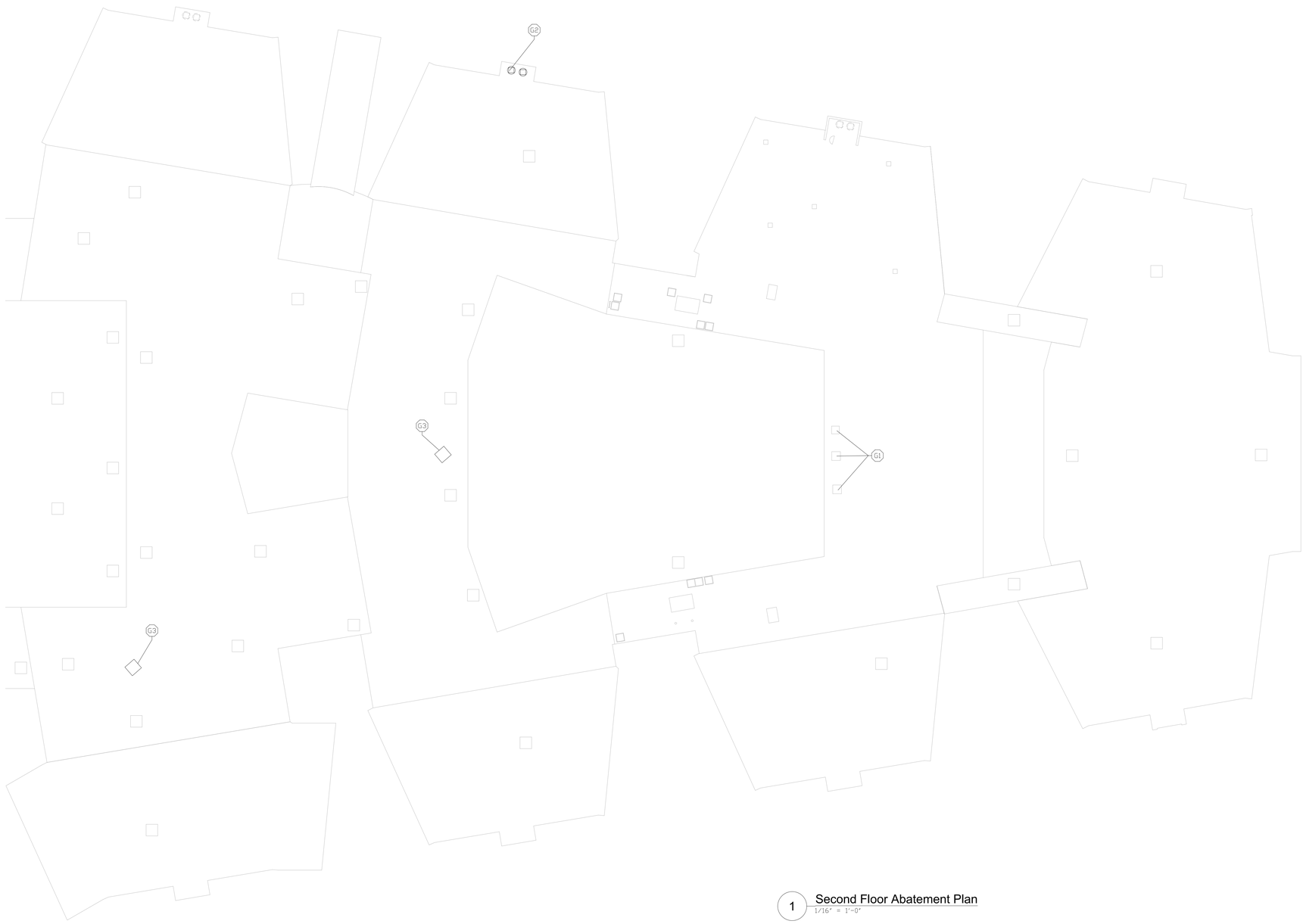
TETRA TECH ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstr□ction to:
Mahopac High School

Second Floor Abatement Plan

Drawn by:	Date:	Drawing No.:
TJT	8/21/20	AH101
Pro□ect No.: 121111-19002		



1 Second Floor Abatement Plan
1/16" = 1'-0"

Flashing/Tar Removal Notes

1. ASBESTOS CONTAINING ROOFING TAR HAS BEEN IDENTIFIED AT EXHAUST FAN CURBS.
2. REMOVE AND DISPOSE OF ALL TAR, FLASHING MATERIALS, MASTIC AND CAULKING AT THE IDENTIFIED LOCATIONS AS ASBESTOS CONTAINING OR CONTAMINATED MATERIALS.
3. COORDINATE LOCATION AND EXTENTS OF CURBS TO BE IMPACTED WITH CONTRACTOR RESPONSIBLE FOR ASSOCIATED MECHANICAL WORK.
4. PERFORM WORK IN ACCORDANCE WITH CODE RULE 56-11.6 AND SPECIFICATION SECTION 028200 - ASBESTOS ABATEMENT.

Lead Safe Work Practices

1. EACH PRIME CONTRACTOR IS RESPONSIBLE FOR THEIR OWN WORK WHICH WILL DISTURB LEAD PAINTED OR CONTAINING MATERIALS.
2. LEAD BASED PAINT HAS BEEN IDENTIFIED ON:
   a. NONE
3. PERFORM ALL WORK THAT WILL DISTURB LBP IN ACCORDANCE WITH SECTION 02 83 00 - LEAD-SAFE WORK PRACTICES.

Legend

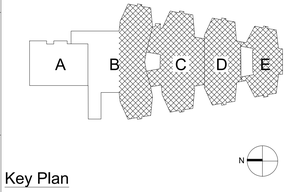
G1 REMOVE ROOFTOP UNIT WITH ACM ROOFING TAR FROM EXISTING CURB TO BE REUSED.

G2 REMOVE ROOF TOP UNIT AND CURB WITH ACM ROOFING TAR FOR NEW/ENLARGED CURB. REMOVE ROOFING TO EXTENT NECESSARY FOR NEW CURB INSTALLATION.

G3 REMOVE ABANDONED/DETACHED ROOFTOP EXHAUST FAN WITH ACM ROOFING RAT RESTING ON TOP OF ROOF.

Asbestos Abatement General Notes

1. CONTRACTOR PERFORMING ANY AND ALL ASBESTOS ABATEMENT WORK SHALL BE A NYSDOL LICENSED ASBESTOS CONTRACTOR.
2. PERFORM ALL WORK IN ACCORDANCE WITH SPECIFICATION SECTION 02 82 00 - ASBESTOS ABATEMENT.
3. ASBESTOS CONTAINING MATERIALS SHALL BE ABATED IN ACCORDANCE WITH THE DRAWINGS AND SECTION 02 82 00 PRIOR TO ANY GENERAL DEMOLITION WORK THAT COULD DISTURB THOSE MATERIALS.
4. DO NOT SCALE DRAWINGS.
5. COORDINATE ALL WORK WITH OTHER CONTRACTORS.
6. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY AND ALL VARIANCES FROM INDUSTRIAL CODE RULE 56, WHICH ARE DESIRED OR NECESSARY TO PERFORM THE WORK.
7. REMOVE ALL ABATED MATERIALS FROM THE WORK AREA AND /OR BUILDING IN SEALED BAGS, DRUMS OR PLASTIC SHEETING.
8. WHERE INTERIOR ABATEMENT OCCURS, ISOLATE THE WING OR MAJOR SECTION OF THE BUILDING, FROM OCCUPIED PORTIONS OF THE BUILDING WITH SEALED ISOLATION BARRIERS CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS. THE ISOLATED PORTION OF THE BUILDING MUST CONTAIN EXITS THAT DO NOT PASS THROUGH THE OCCUPIED PORTION OF THE BUILDING AND VENTILATION SYSTEMS SHALL BE PHYSICALLY SEPARATED AND SEALED AT THE ISOLATION BARRIER.



Key Plan

S.E.D. Control No: 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction to:
Mahopac High School

Roof Abatement Plan

Drawn by:	Date:	Drawing No.:
TJT	8/21/20	AH102

Project No.: 121111-19002

I Site Demolition Plan
1" = 30'

0 15' 30' 60'
SCALE: 1" = 30'

Site Phasing Notes

1. INSTALL SOIL EROSION AND SEDIMENT CONTROL MEASURES BEFORE SOIL DISTURBANCE AND INSTALLATION OF OTHER TEMPORARY CONSTRUCTION FEATURES.
2. ACCESS ROADS AND CONSTRUCTION ENTRANCES ARE TO BE KEPT CLEAR AT ALL TIMES.
3. REFER TO PROJECT MANUAL FOR PHASING INFORMATION FOR INSTALLATION OF PAVING, SIDEWALKS, CURBING AND STORM UTILITIES.
4. CONTRACTOR PARKING IS RESTRICTED TO STAGING OR DESIGNATED TEMPORARY PARKING AREAS.
5. AT STAGING AND OTHER TEMPORARY AREAS TO BE RESTORED TO LAWN: THOROUGHLY REMOVE GRAVEL, STONES, DEBRIS, VEGETATION, ETC. FROM EXISTING TOPSOIL AND SCARIFY TO A MINIMUM DEPTH OF 6". AMEND TOPSOIL WITH COMPOST AND NUTRITIONAL AMENDMENTS AND FINE GRADE, FERTILIZE AND SEED OR SOD.
6. AT STAGING AND OTHER TEMPORARY AREAS ON EXISTING PAVING: CONTRACTOR TO REMOVE AND REPLACE EXISTING PAVING IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.
7. PAVING THAT IS DAMAGED DUE TO CONSTRUCTION ACTIVITIES, AND NOT SPECIFICALLY SLATED TO BE REVISED, IS TO BE REMOVED AND REPLACED IN-KIND, IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.
8. LAWN THAT IS DAMAGED DUE TO CONSTRUCTION ACTIVITIES IS TO BE REMOVED AND THE AREA SCARIFIED. PROVIDE NEW TOPSOIL AS REQUIRED TO BRING THE AREA TO MATCH SURROUNDING GRADE. FERTILIZE AND SEED OR SOD.

Site Preparation/Demolition Key Notes

1 EXISTING LAWN AREA TO REMAIN - REPAIR AS REQUIRED
2 SAW CUT EXISTING ASPHALT PAVEMENT, LEAVING NEAT, SMOOTH AND STRAIGHT EDGE □TYPICAL□
3 EXISTING CHAIN LINK FENCE TO REMAIN. PROTECT.
4 EXISTING CURB TO REMAIN, PROTECT.
5 EXISTING UTILITY TO REMAIN, PROTECT.
6 EXISTING LIGHT POLE TO REMAIN, PROTECT.
7 EXISTING ASPHALT TO REMAIN, PROTECT. □TYPICAL□
8 EXISTING CONCRETE TO REMAIN, PROTECT. □TYPICAL□
9 REMOVE EXISTING DIRT DRIVE SECTION. REMOVE ADDITIONAL SUBBASE AS REQUIRED TO MEET DESIGN GRADES AND ACCOMMODATE NEW WORK.
10 REMOVE EXISTING ASPHALT PAVEMENT SECTION, INCLUDING AGGREGATE AND SUBBASE. REMOVE ADDITIONAL SUBBASE AS REQUIRED TO MEET DESIGN GRADES AND ACCOMMODATE NEW WORK.
11 REMOVE EXISTING CONCRETE PAVEMENT SECTION, INCLUDING AGGREGATE AND SUBBASE. REMOVE ADDITIONAL SUBBASE AS REQUIRED TO MEET DESIGN GRADES AND ACCOMMODATE NEW WORK.
12 CLEAR AND GRUB EXISTING WOODED AREA.
13 EXISTING VEGETATION TO REMAIN, PROTECT.
14 STRIP, SCREEN, AND STOCKPILE TOPSOIL. STOCKPILE LOCATION TO BE APPROVED BY OWNER'S REPRESENTATIVE. REMOVE SUBGRADE AS REQUIRED TO MEET DESIGN GRADES AND ACCOMMODATE NEW WORK. HAND DIG IN VICINITY OF EXISTING BURIED UTILITIES TO AVOID DAMAGE □TYPICAL□
15 REMOVE EXISTING CONCRETE CURB, INCLUDING AGGREGATE AND SUBBASE. REMOVE ADDITIONAL SUBBASE AS REQUIRED TO MEET DESIGN GRADES AND ACCOMMODATE NEW WORK.
16 SAW CUT EXISTING CONCRETE SIDEWALK AT NEAREST JOINT, LEAVING A NEAT, SMOOTH, AND STRAIGHT EDGE □TYPICAL□
17 SAW CUT EXISTING CONCRETE CURB SECTION AT NEAREST JOINT, LEAVING A NEAT, SMOOTH, AND STRAIT EDGE □TYPICAL□
18 EXISTING GOALPOST AND FOOTINGS TO BE REMOVED.
19 REMOVE EXISTING CHAIN LINK FENCE, POSTS AND FOOTINGS.
20 REMOVE EXISTING THROW CAGE.
21 EXISTING POST AND FOOTING TO BE REMOVED.
22 EXISTING POST TO REMAIN, PROTECT.
23 RELOCATE STORAGE CONTAINERS TEMPORARILY MOVED DURING CONSTRUCTION. VERIFY FINAL LAYOUT WITH OWNER. □TYPICAL□
24 REMOVE EXISTING STRUCTURE. COORDINATE REMOVAL WITH INSTALLATION OF PROPOSED PUMP HOUSE AND WATER LINES TO PREVENT UNNECESSARY WATER SUPPLY OUTAGES.
25 REMOVE EXISTING WATER LINE. COORDINATE REMOVAL WITH INSTALLATION OF PROPOSED PUMP HOUSE AND WATER LINES TO PREVENT UNNECESSARY WATER SUPPLY OUTAGES.
26 PROVIDE TEMPORARY REMOVAL OF EXISTING FENCE AND GATE AS NECESSARY FOR CONSTRUCTION OPERATIONS, PROTECT. REINSTALL UPON COMPLETION.
27 REMOVE EXISTING GRAVEL PAVEMENT SECTION, INCLUDING AGGREGATE AND SUBBASE. REMOVE ADDITIONAL SUBBASE AS REQUIRED TO MEET DESIGN GRADES AND ACCOMMODATE NEW WORK.

Site Preparation/Demolition General Notes

1. REFER TO DRAWING AC101 FOR SITE PREPARATION/DEMOLITION GENERAL NOTES.

General Site Notes

1. THESE GENERAL SITE NOTES APPLY TO AC-SERIES DRAWINGS.
2. REFER TO SURVEY FOR INFORMATION ON EXISTING FEATURES. IF EXISTING FEATURES ARE MISSING, MODIFIED, OBSCURED, OR THERE IS A CONFLICT BETWEEN HOW AN EXISTING FEATURE IS PORTRAYED ON THIS SHEET AND THE SURVEY, THE SURVEY SHALL GOVERN.
3. PRIOR TO CONSTRUCTION, LOCATE AND PROMINENTLY MARK THE PROPERTY LINES IN THE FIELD. PROTECT PROPERTY LINE MARKING AND MONUMENTS DURING CONSTRUCTION UNTIL FINAL ACCEPTANCE.
4. THE SURVEY S□INCLUDED IN THESE DOCUMENTS ARE PROVIDED FOR INFORMATION ONLY AND ARE THE BASE INFORMATION USED TO PREPARE THE WORK INDICATED ON THESE DRAWINGS. THE DATA INDICATED REGARDING EXISTING CONDITIONS IS NOT INTENDED AS REPRESENTATIONS OR WARRANTIES OF THEIR ACCURACY. BY INCLUSION OF THE SURVEY S□IN THIS SET OF DOCUMENTS, TETRA TECH AND THE OWNER DO NOT ASSUME RESPONSIBILITY FOR ACCURACY OF THE SURVEY, NOR FOR INTERPRETATIONS OR CONCLUSIONS DRAWN THEREFROM BY THE CONTRACTOR.
5. THE CONTRACTOR SHALL FIELD VERIFY EXISTING FEATURES, CONDITIONS, UTILITIES, PROPERTY LINES AND TOPOGRAPHY PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES WHICH WILL AFFECT THE WORK REQUIRED AS PART OF THE CONTRACT DOCUMENTS SHALL BE IMMEDIATELY REPORTED IN WRITING TO THE ARCHITECT. COMMENCEMENT OF WORK WITHOUT THIS WRITTEN NOTIFICATION SHALL CONSTITUTE CONTRACTOR ACCEPTANCE OF THE EXISTING INFORMATION INDICATED ON THE DRAWINGS AS ACCURATE. NO ADJUSTMENTS TO THE CONTRACT WILL BE MADE FOR THE DISCREPANCIES BROUGHT TO THE OWNER'S ATTENTION AFTER WORK HAS BEGUN.
6. NO ATTEMPT HAS BEEN MADE TO SHOW ALL UNDERGROUND UTILITIES ON THIS DRAWING. CONTACT UNDERGROUND UTILITY LOCATION ORGANIZATION AND LOCAL UTILITY COMPANIES TO VERIFY THE LOCATION OF UTILITIES PRIOR TO EARTHWORK, TRENCHING OR EXCAVATION OPERATIONS.
7. CONTRACT LIMIT LINE SHALL BE TEN FEET OUTSIDE OF LIMITS OF WORK INDICATED ON THESE DRAWINGS AND NOT TO EXTEND BEYOND THE PROPERTY LINE UNLESS OTHERWISE INDICATED.
8. CONTRACTOR SHALL PROVIDE CONSTRUCTION/PROTECTIVE FENCING OR OTHER MEANS NECESSARY TO PROTECT WORK AND TO ENSURE SAFETY OF THE PUBLIC, PEDESTRIANS AND VEHICULAR TRAFFIC DURING CONSTRUCTION. SEE DETAIL 13 / ZC500.
9. FOR INFORMATION REGARDING SUBSURFACE CONDITIONS AND TEST LOCATIONS, COORDINATE WITH OWNER REGARDING THE AVAILABILITY OF GEOTECHNICAL INFORMATION.
10. AT EDGE OF ALL NEW PAVING MEETING LAWN, REMOVE EXISTING TURF TO MINIMUM OF 4-FT FROM NEW PAVEMENT EDGE, UNLESS OTHERWISE NOTED. CUT NEAT REMOVAL LINE AND SCARIFY EXISTING GRADE. PROVIDE TAMPED TOPSOIL TO BRING EXISTING GRADE FLUSH WITH NEW PAVING. SLOPE LAWN AWAY FROM PAVING TO PREVENT PONDING. FINE GRADE, FERTILIZE, SEED AND MULCH IN ACCORDANCE WITH THE PROJECT MANUAL.

SITE DEMOLITION AND PREPARATION LEGEND

	REMOVE EXISTING ASPHALT PAVEMENT SECTION AND SUBBASE AS REQUIRED
	REMOVE EXISTING CONCRETE PAVEMENT SECTION AND SUBBASE AS REQUIRED
	REMOVE EXISTING DIRT DRIVE SECTION AND SUBBASE
XXXX	REMOVE SITE FEATURE AS INDICATED IN DEMOLITION KEYNOTES □O□tline o□Feat□re□
X	REMOVE SITE FEATURE AS INDICATED IN DEMOLITION KEYNOTES □Speci□c Feat□re□
	REMOVE LINEAR FEATURE REFER TO DRAWING'S FOR TYPE
	REMOVE EXISTING LAWN AND SOIL AS REQUIRED
	REMOVE EXISTING WOODS AND SOIL AS REQUIRED

S.E.D. Control No: 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstr□ction to:
Mahopac High School

Site Demolition Plan

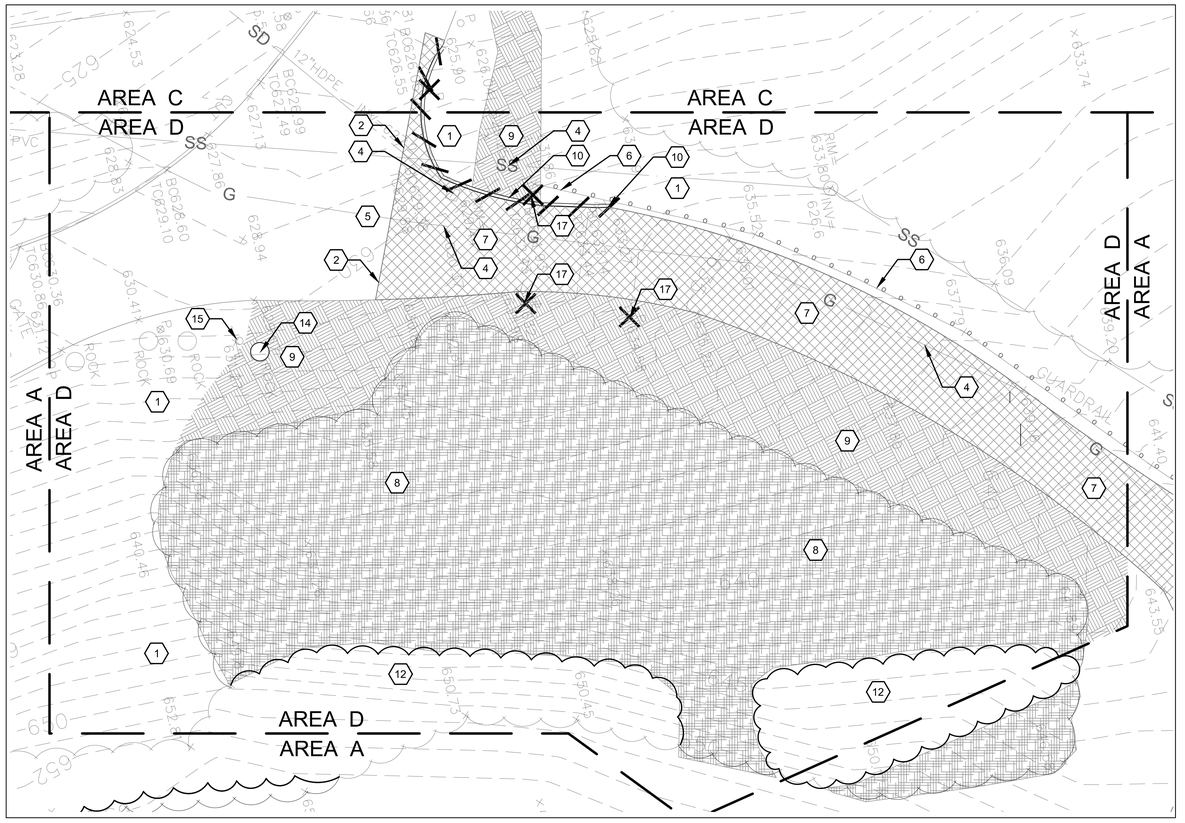
Drawn by:	Date:	Drawing No.:
DGB	8/21/20	AC100
Pro□ect No.: 121111-19002		

1 Site Demolition Plan - Area "B"
1" = 20'

SCALE: 1" = 20'

2 Site Demolition Plan - Area "C"
1" = 20'

SCALE: 1" = 20'



3 Site Demolition Plan - Area "D"
1" = 10'

SCALE: 1" = 10'

General Site Notes

1. REFER TO DRAWING AC100 FOR GENERAL SITE NOTES THAT APPLY TO AC-SERIES DRAWINGS.

Site Phasing Notes

1. REFER TO DRAWING AC100 FOR SITE PHASING NOTES.

Site Preparation/Demolition Key Notes

1 EXISTING LAWN AREA TO REMAIN - REPAIR AS REQUIRED

2 SAW CUT EXISTING ASPHALT PAVEMENT, LEAVING NEAT, SMOOTH AND STRAIGHT EDGE .TYPICAL.□

3 EXISTING CURB TO REMAIN, PROTECT.

4 EXISTING UTILITY TO REMAIN, PROTECT.

5 EXISTING ASPHALT TO REMAIN, PROTECT. .TYPICAL□

6 EXISTING GUIDE RAIL TO REMAIN, PROTECT. .TYPICAL□

7 REMOVE EXISTING ASPHALT PAVEMENT SECTION, INCLUDING AGGREGATE AND SUBBASE. REMOVE ADDITIONAL SUBBASE AS REQUIRED TO MEET DESIGN GRADES AND ACCOMMODATE NEW WORK.

8 CLEAR AND GRUB EXISTING WOODED AREA.

9 STRIP, SCREEN, AND STOCKPILE TOPSOIL. STOCKPILE LOCATION TO BE APPROVED BY OWNER'S REPRESENTATIVE. REMOVE SUBGRADE AS REQUIRED TO MEET DESIGN GRADES AND ACCOMMODATE NEW WORK. HAND DIG IN VICINITY OF EXISTING BURIED UTILITIES TO AVOID DAMAGE .TYPICAL□

10 REMOVE EXISTING CONCRETE CURB, INCLUDING AGGREGATE AND SUBBASE. REMOVE ADDITIONAL SUBBASE AS REQUIRED TO MEET DESIGN GRADES AND ACCOMMODATE NEW WORK.

11 EXISTING CONCRETE RETAINING WALL TO REMAIN.

12 EXISTING VEGETATION TO REMAIN, PROTECT.

13 SAW CUT EXISTING CONCRETE CURB SECTION AT NEAREST JOINT, LEAVING A NEAT, SMOOTH, AND STRAIT EDGE .TYPICAL.□

14 EXISTING BOULDER TO BE RELOCATED.

15 EXISTING SIGNAGE TO REMAIN, PROTECT.

16 REMOVE EXISTING POLE AND BASE. STORE ON SITE FOR REINSTALLATION.

17 REMOVE EXISTING POLE AND BASE.

SITE DEMOLITION AND PREPARATION LEGEND

	REMOVE EXISTING ASPHALT PAVEMENT SECTION AND SUBBASE AS REQUIRED
	REMOVE EXISTING LAWN AND SOIL AS REQUIRED
	REMOVE EXISTING LAWN AND SOIL AS REQUIRED
	REMOVE EXISTING WOODS AND SOIL AS REQUIRED
	REMOVE LINEAR FEATURE REFER TO DRAWING'S FOR TYPE

Site Preparation/Demolition General Notes

1. THESE GENERAL SITE / PREPARATION / DEMOLITION NOTES REFER TO AC-SERIES DRAWINGS.
2. THE INTENT OF THIS DRAWING IS TO INDICATE PREPARATORY WORK, REMOVALS AND DEMOLITION NECESSARY TO CONSTRUCT THE PROJECT AS SHOWN ON THE REST OF THE CONTRACT DRAWINGS. SOME NOTES ARE GENERAL IN NATURE AND IT SHALL BE UNDERSTOOD THAT IT IS NOT FEASIBLE TO INDICATE EACH AND EVERY SPECIFIC REMOVAL. SITE PREPARATION / DEMOLITION DRAWINGS SHALL NOT BE USED ALONE, BUT SHALL BE USED IN CONJUNCTION WITH THE OTHER DRAWINGS FOR WORK TO BE REMOVED, REUSED, AND / OR REVISED NOT INDICATED HERE.
3. CONTRACTOR TO MAINTAIN UTILITY SERVICES TO BUILDINGS TO REMAIN. IF UTILITY SERVICES MUST BE INTERRUPTED THE CONTRACTOR SHALL COORDINATE THAT SHUTDOWN TO MINIMIZE IMPACT TO BUILDINGS. SEE PROJECT MANUAL REGARDING COORDINATION OF DEMOLITION WORK WITH UTILITY COMPANIES.
4. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN SAFE SITE ACCESS TO PEDESTRIAN, VEHICULAR TRAFFIC, EMERGENCY AND HEALTH SAFETY AGENCIES. IF ACCESS WILL BE COMPROMISED IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE AT LEAST ONE WEEK IN ADVANCE WITH THE OWNER'S REPRESENTATIVE AND HEALTH SAFETY AGENCIES, UNLESS OTHERWISE NOTED IN THE PROJECT MANUAL.
5. UTILITIES, SIDEWALKS, PAVEMENT, SLABS, FOUNDATIONS, AND MISCELLANEOUS FEATURES NOTED TO BE DEMOLISHED SHALL BE SPOILED OFF-SITE IN A LEGAL MANNER UNLESS OTHERWISE DIRECTED BY THE OWNER'S REPRESENTATIVE. NO BURNING OF DEBRIS SHALL BE ALLOWED. IMMEDIATELY BACKFILL VOIDS WITH COMPACTED GRANULAR MATERIAL AS SPECIFIED.
6. WHEN A SITE FEATURE IS INDICATED TO BE REMOVED, THE SITE FEATURE, INCLUDING APPURTENANCES AND FOOTINGS, SHALL BE DISPOSED OF LEGALLY OFF SITE, UNLESS OTHERWISE INDICATED. IMMEDIATELY BACKFILL VOIDS WITH COMPACTED GRANULAR MATERIALS AS SPECIFIED.
8. EXISTING ON-SITE UTILITIES SHALL REMAIN UNLESS DESIGNATED FOR REMOVAL. PROTECT ALL EXISTING UTILITIES TO REMAIN.
9. WHEN A SITE FEATURE IS INDICATED TO REMAIN, IT SHALL BE PROTECTED AS INDICATED AND / OR SPECIFIED. WHEN DISTURBANCE OCCURS AROUND AN EXISTING FEATURE, THE CONTRACTOR SHALL USE ADDITIONAL PRECAUTIONS INCLUDING, BUT NOT LIMITED TO HAND DIGGING TO PROTECT THE FEATURE.
10. MANHOLES, CATCH BASINS, CLEAN OUTS, VALVE BOXES, FRAMES, COVERS AND GRATES REMAINING IN USE SHALL BE PROTECTED AND ADJUSTED TO FINAL GRADES. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT ALL TIMES.
11. CONTRACTOR IS RESPONSIBLE TO VERIFY GRADES AND UTILITIES SHOWN ON EXISTING CONDITIONS PLAN PRIOR TO START OF WORK. DISCREPANCIES ARE TO BE DOCUMENTED AND SUBMITTED TO THE OWNER'S REPRESENTATIVE AT THE TIME OF DISCOVERY.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATIONS, INCLUDING, BUT NOT LIMITED TO, UTILITIES, STORM DRAINAGE, SIGNS, ETC. AS INDICATED ON DESIGN DOCUMENTS.
13. IF EXISTING SITE FEATURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION BY CONTRACTOR, SITE FEATURES SHALL BE REPAIRED IN-KIND, TYPICAL.
14. CONTRACTOR TO REMOVE OR RELOCATE, WHEN APPLICABLE, ALL CONNECTING IMPROVEMENTS, DRAIN PIPES, SANITARY SEWER PIPES, POWER POLES, AND GUY WIRES, WATER METERS AND WATER LINES, WELLS, SIDEWALKS, SIGN POLES, UNDERGROUND GAS, SEPTIC TANKS, AND ASPHALT, SHOWN AND NOT SHOWN, WITHIN CONSTRUCTION LIMITS AND WHERE NEEDED, TO ALLOW FOR NEW CONSTRUCTION AS SHOWN.
15. CONTRACTOR TO NOTIFY OWNERS REPRESENTATIVE IF UNIDENTIFIED UTILITIES ARE ENCOUNTERED INCLUDING, BUT NOT LIMITED TO, STORM SEWER, SANITARY SEWER, TELECOMMUNICATIONS SERVICE, ELECTRICAL SERVICE, GAS SERVICE, WATER SERVICE, IRRIGATION LINES. UTILITIES LINES TO REMAIN UNDISTURBED UNTIL DIRECTED BY OWNERS REPRESENTATIVE.
16. CONTRACTOR SHALL REQUEST UFPO PRIOR TO START OF ANY WORK. "DIG SAFELY NEW YORK - CALL 811 - BEFORE YOU DIG".

S.E.D. Control No. 48-01-01-06-0-006-013
S.E.D. Control No. 48-01-01-06-7-026-001
S.E.D. Control No. 48-01-01-06-0-003-008
S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

TETRA TECH
ARCHITECTS & ENGINEERS

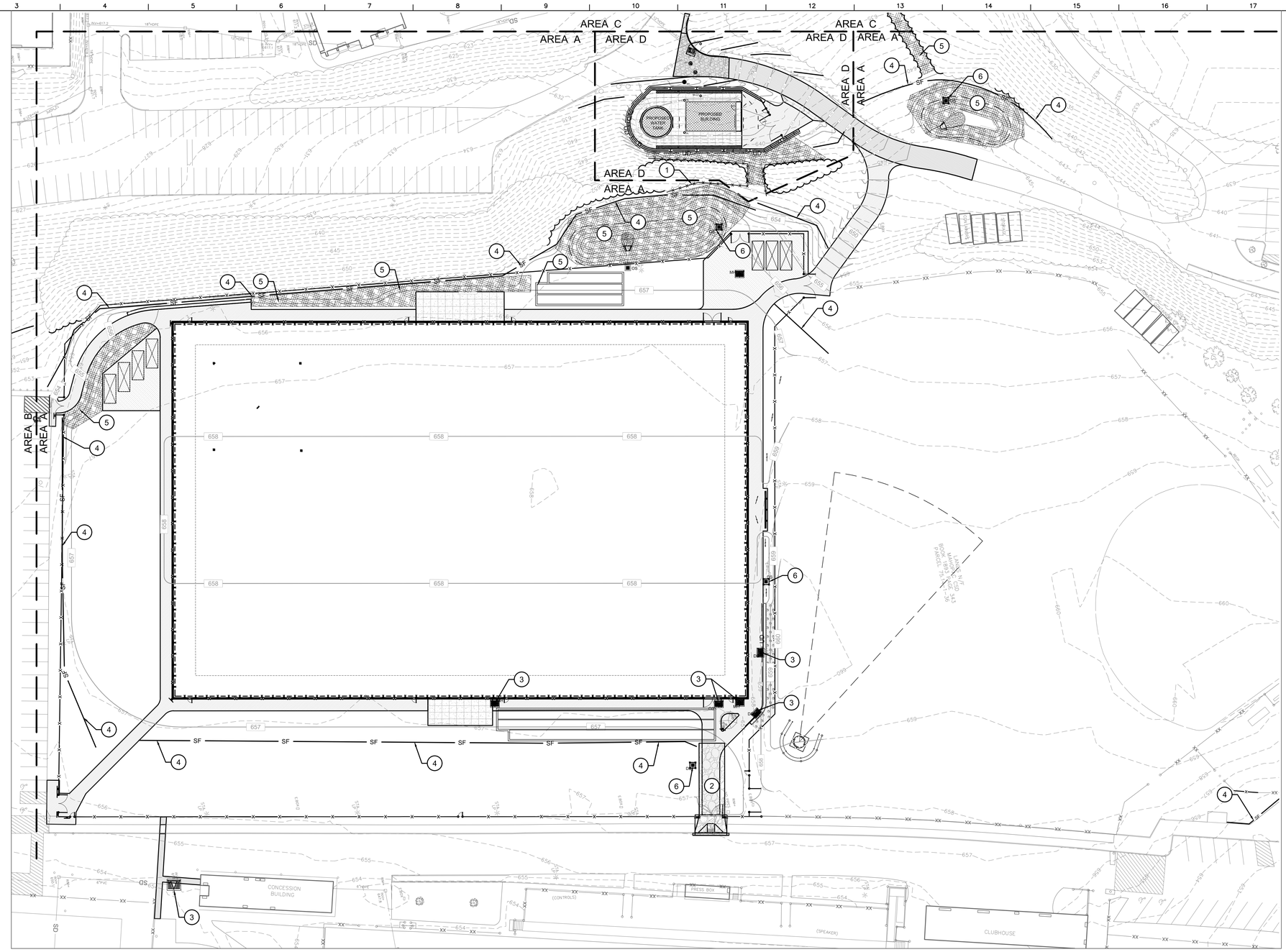
Mahopac Central School District
Mahopac, NY

Reconstruction to:
Mahopac High School

Site Demolition Plan

Drawn by:	Date:	Drawing No.:
DBG	08/21/20	AC101

T+ Project No.:
121111-19002



General Site Notes

1. REFER TO DRAWING AC100 FOR GENERAL SITE NOTES THAT APPLY TO AC-SERIES DRAWINGS.

Soil Erosion & Sediment Contol Key Notes

1. PROVIDE VEGETATION PROTECTION, TYPICAL. SEE DETAIL 15 / ZC500.
2. PROVIDE STABILIZED CONSTRUCTION ENTRANCE, SEE DETAIL 11 / ZC500.
3. PROVIDE DROP-IN INLET PROTECTION, TYPICAL. SEE DETAIL 8 / ZC500.
4. PROVIDE SILT FENCE, TYPICAL. SEE DETAIL 12 / ZC500..
5. PROVIDE EROSION CONTROL BLANKET, SEE DETAIL 16 / ZC500.
6. PROVIDE INLET PROTECTION IN LAWN, TYPICAL. SEE DETAIL 7 / ZC500.

SOIL EROSION AND SEDIMENT CONTROL LEGEND

SYMBOL	DESCRIPTION
	TEMPORARY CONSTRUCTION ENTRANCE
	VEGETATION PROTECTION
SF	SILT FENCE
	DROP-IN INLET PROTECTION
	INLET PROTECTION IN LAWN
	TURF REINFORCEMENT ROLLED EROSION CONTROL BLANKET

Site Erosion & Sediment Control Sequence

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE PAD.
2. INSTALL TEMPORARY TREE PROTECTION AT EXISTING TREES WITHIN CONSTRUCTION AREA. PRIOR TO COMMENCEMENT OF GRADING OPERATIONS,
3. INSTALL SILT FENCE, SEDIMENT TRAPS AND SEDIMENT BASINS.
4. INSTALL TEMPORARY STORM SEWER INLET PROTECTION AT ALL EXISTING DRAINAGE INLETS THAT WILL BE RECEIVING STORM DRAINAGE FROM CONSTRUCTION ACTIVITIES.
5. PREPARE CONTRACTOR ACCESS DRIVES, PARKING AND STAGING AREAS WITH TYPE 2 FILL OR OTHER SURFACING THAT WILL PREVENT EROSION OF THESE AREAS. STRIP TOPSOIL AND STOCKPILE IN LOCATION SHOWN.
6. SURROUND ALL STOCKPILES WITH SILT FENCE OR HAY BALE BARRIER. THROUGHOUT GRADING OPERATIONS,
7. PROVIDE TEMPORARY AND PERMANENT SEEDING PER SOIL EROSION AND SEDIMENT CONTROL NOTES NOS. 2, 3, & 4.
8. AFTER SLOPES ARE CUT OR FILLED, PROVIDE EROSION CONTROL MATTING AT ALL SLOPES THAT ARE THREE HORIZONTAL TO ONE VERTICAL AND STEEPER.
9. BEFORE COMMENCEMENT OF EXCAVATING FOR FOOTINGS, INSPECT SITE WITH OWNER/ARCHITECT FOR COMPLIANCE WITH SOIL EROSION AND SEDIMENT CONTROL REQUIREMENTS.
10. DURING EXCAVATION FOR FOOTINGS, TRENCHES, ETC., WHEN DEWATERING IS REQUIRED, PROVIDE MEANS TO REMOVE SEDIMENT IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE □13 THIS DRAWING.
11. AS STORM STRUCTURES ARE BEING INSTALLED, PROVIDE TEMPORARY STORM SEWER INLET PROTECTION PER DETAIL AT ALL GRATED STORM SEWER INLETS PRIOR TO CONNECTING BASINS TO NEW STORM PIPING. MAINTAIN EROSION CONTROL DEVICES IN FULLY FUNCTIONAL CONDITION THROUGHOUT CONTRACT PERIOD.
12. PROVIDE ADDITIONAL EROSION CONTROL MEASURES AS REQUIRED TO MEET NEW YORK STANDARDS OR AS REQUIRED BY SOIL CONSERVATION DISTRICT.
13. UPON OWNER APPROVAL, REMOVE TEMPORARY SOIL & EROSION CONTROL MEASURES AFTER PERMANENT MEASURES ARE IN PLACE AND FUNCTIONING EFFECTIVELY.

Site Erosion and Sediment Control Notes

1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS SPECIFIED IN THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL ‘BLUE BOOK’□ LATEST EDITION, AND WILL BE INSTALLED IN PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
2. ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN THIRTY DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PROHIBITS TEMP. SEEDING, THE DISTURBED AREA WILL BE MULCHED WITH SALT HAY OR EQUIVALENT AND BOUND IN ACCORDANCE WITH THE NY STANDARDS.
3. NYS DEC REGULATIONS REQUIRE THAT DISTURBANCE BE LIMITED TO AREAS LESS THAN 5-ACRES AT ANY ONE TIME.
4. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT ACCORDING TO NYS DEC STANDARDS.
5. STABILIZATION SPECIFICATIONS:

   A. SOIL AMENDMENTS:

   LIME - PROVIDE GROUND LIMESTONE TO PH OF 6.0.

   FERTILIZER - 14 LBS/1,000 S.F., 5-10-10 OR EQUIVALENT WORKED INTO SOIL A MINIMUM OF 4".

   B. TEMPORARY SEEDING AND MULCHING:

   SEED - ANNUAL RYEGRASS 30 LBS/ACRE□PLANT BETWEEN MARCH 1 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 1. USE WINTER RYE IF SEEDING IN OCT./NOV.

   MULCH - SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 90 LBS/1,000 S.F., TO BE APPLIED ACCORDING TO THE NY STANDARDS. MULCH SHALL BE SECURED BY WOOD FIBER MULCH □HYDROMULCH□AT 11-17 LBS./1,000 S.F. WOOD FIBER MULCH MUST BE APPLIED THROUGH A HYDROSEEDER IMMEDIATELY AFTER MULCHING.

   C. PERMANENT SEEDING AND MULCHING:

   SEED - REFER TO PROJECT MANUAL SPECIFICATIONS FOR SEED TYPE, RATE OF SEEDING AND SEASON OF SEEDING. RATE AND SEED TYPE ARE TO MEET THE MINIMUM REQUIREMENTS OF THE NY STANDARDS.

   MULCH - REFER TO PROJECT MANUAL SPECIFICATIONS FOR MULCH TYPE, RATE OF APPLICATION, ETC. RATE AND MULCH TYPE ARE TO MEET THE MINIMUM REQUIREMENTS OF THE NY STANDARDS.
6. TEMPORARY BERMS ARE TO BE INSTALLED ON ALL CLEARED ROADWAYS AND EASEMENT AREAS IN ACCORDANCE WITH SECTION 5A OF THE NY STANDARDS.
7. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUN-OFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
8. ALL SEDIMENTATION STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS.
9. STOCKPILES ARE NOT TO BE LOCATED WITHIN 50' OF A FLOODPLAIN, SLOPE, ROADWAY, OR DRAINAGE FACILITY. THE BASE OF ALL STOCKPILES SHOULD BE PROTECTED BY A SILT DAM OR STRAW BALE DIKE IN ACCORDANCE WITH NY STANDARDS.
10. A CRUSHED STONE, VEHICLE WHEEL-CLEANING BLANKET WILL BE INSTALLED WHEREVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. SAID BLANKET WILL BE COMPOSED OF 2" CRUSHED STONE, 6" THICK, WILL BE AT LEAST 30'X100' AND SHOULD BE UNDERLAIN WITH A SUITABLE SYNTHETIC SEDIMENT FILTER FABRIC AND MAINTAINED □SEE DETAIL□
11. ALL CATCH BASIN INLETS WILL BE PROTECTED WITH A FABRIC FILTER CRUSHED STONE OR FABRIC FILTER □FILTER DETAILS APPEAR ON THE PLAN.□
12. ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
13. ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT TRAP OR APPROVED AFTERMARKET PRODUCT IN ACCORDANCE WITH SECTION 5A OF THE NY STANDARDS.
14. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
15. STABILIZED CONSTRUCTION ENTRANCE AND CONSTRUCTION ACCESS AREAS TO BE RESTORED TO EXISTING CONDITIONS, LAWN RESTORATION SHALL INCLUDE REMOVAL GRANULAR FILL, GRAVEL AND STONE. SCARIFY SUBGRADE. PROVIDE TOPSOIL AND LIGHTLY COMPACT TO BE FLUSH WITH SURROUNDING GRADE. FINE GRADE, FERTILIZE, SEED AND MULCH.

I Site Soil Erosion and Sediment Control Plan - Area "A"
1" = 30'

0 15' 30' 60'
SCALE: 1" = 30'

S.E.D. Control No. 48-01-01-06-0-006-013
S.E.D. Control No. 48-01-01-06-7-026-001
S.E.D. Control No. 48-01-01-06-0-003-008
S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

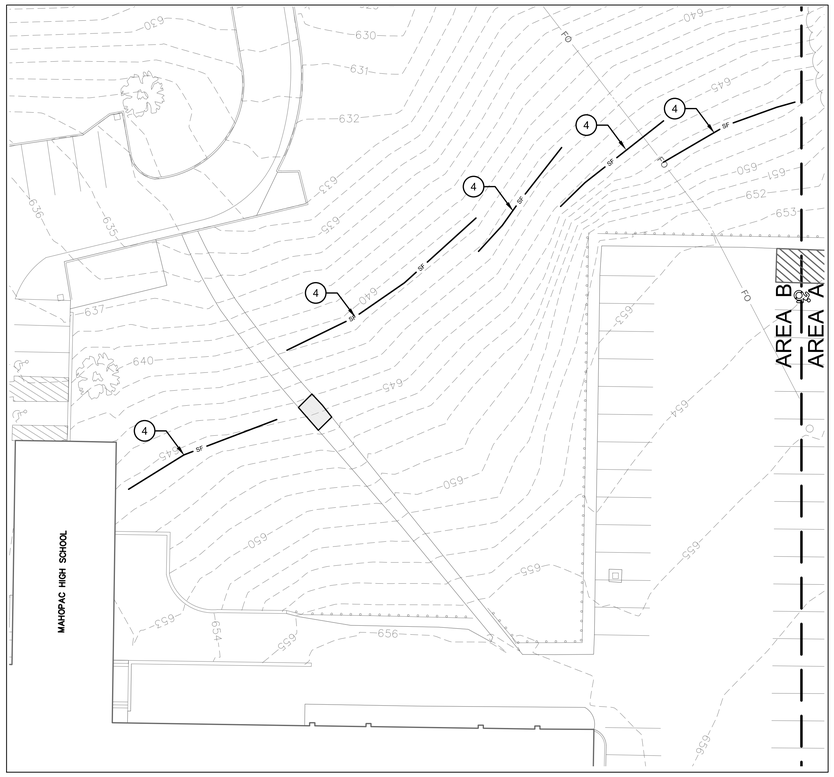
Mahopac Central School District
Mahopac, NY

Reconstruction to:
Mahopac High School

Site Soil Erosion and Sediment Control Plan

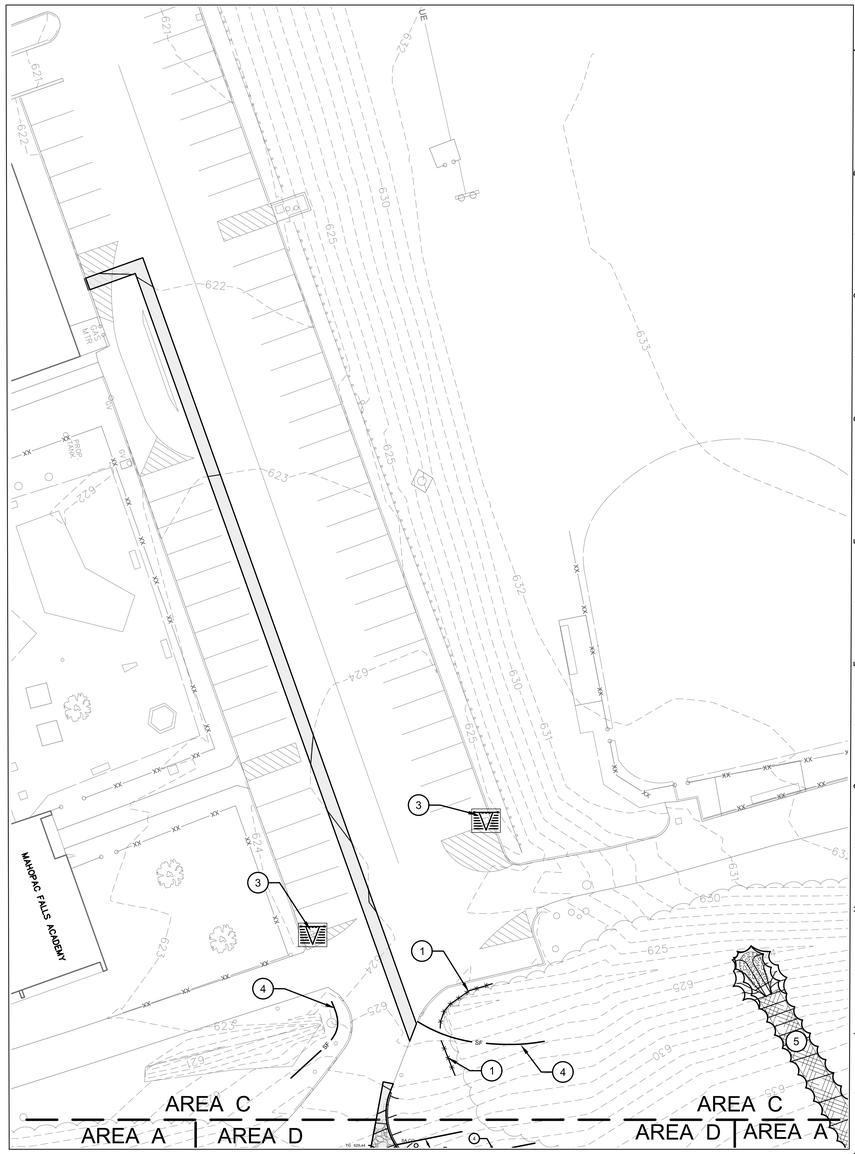
Drawn by:	Date:	Drawing No.:
DBG	08/21/20	AC110

T+ Project No.:
121111-19002



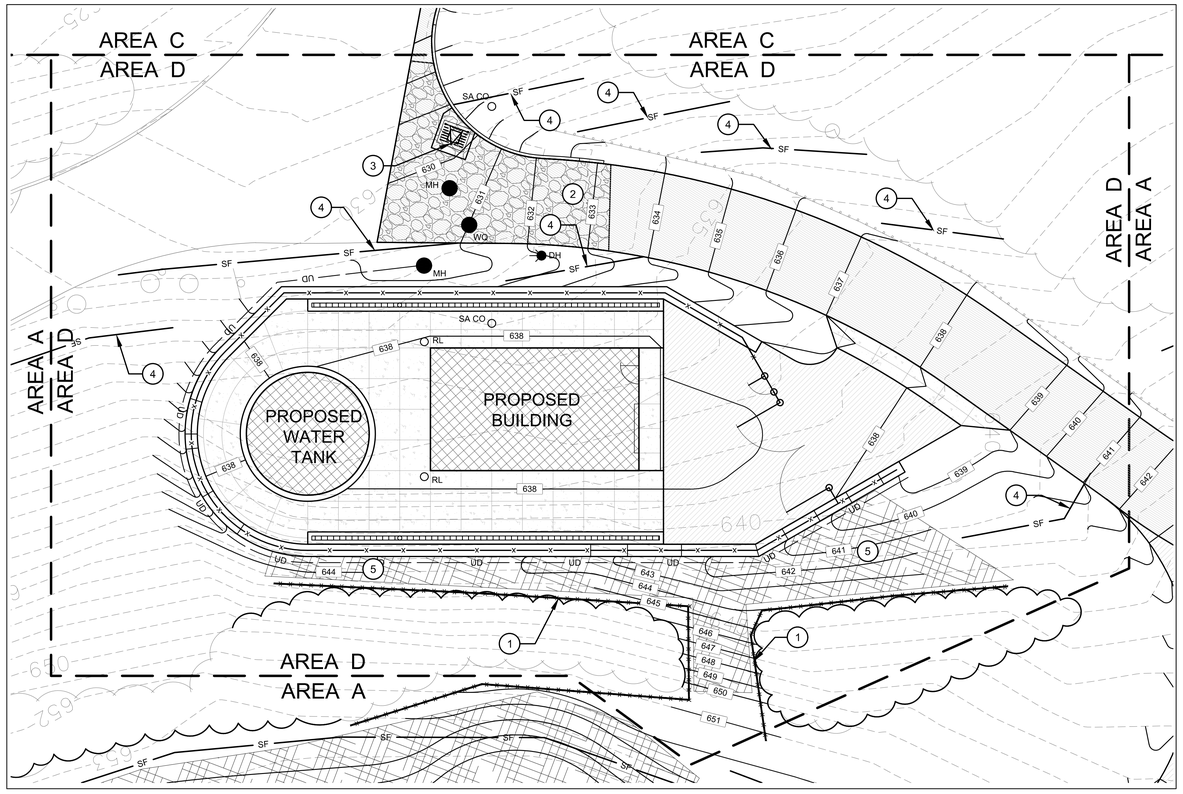
1 Site Soil Erosion and Sediment Control Plan - Area "B"
1" = 20'

0 10' 20' 40'
SCALE: 1" = 20'



2 Site Soil Erosion and Sediment Control Plan - Area "C"
1" = 20'

0 10' 20' 40'
SCALE: 1" = 20'



3 Site Soil Erosion and Sediment Control Plan - Area "D"
1" = 10'

0 5' 10' 20'
SCALE: 1" = 10'

General Site Notes

1. REFER TO DRAWING AC100 FOR GENERAL SITE NOTES THAT APPLY TO AC-SERIES DRAWINGS.

Site SESC General Notes

1. REFER TO DRAWING AC110 FOR SITE EROSION AND SEDIMENT CONTROL NOTES.

Site SESC Sequence

1. REFER TO DRAWING AC110 FOR SITE EROSION AND SEDIMENT CONTROL SEQUENCE.

Soil Erosion & Sediment Contol Key Notes

1. PROVIDE VEGETATION PROTECTION, TYPICAL. SEE DETAIL 15 / ZC500.
2. PROVIDE STABILIZED CONSTRUCTION ENTRANCE, SEE DETAIL 11 / ZC500.
3. PROVIDE DROP-IN INLET PROTECTION, TYPICAL. SEE DETAIL 8 / ZC500.
4. PROVIDE SILT FENCE, TYPICAL. SEE DETAIL 12 / ZC500..
5. PROVIDE EROSION CONTROL BLANKET, SEE DETAIL 16 / ZC500.

SOIL EROSION AND SEDIMENT CONTROL LEGEND

SYMBOL	DESCRIPTION
	TEMPORARY CONSTRUCTION ENTRANCE
	VEGETATION PROTECTION
SF	SILT FENCE
	DROP-IN INLET PROTECTION
	TURF REINFORCEMENT ROLLED EROSION CONTROL BLANKET

S.E.D. Control No. 48-01-01-06-0-006-013
S.E.D. Control No. 48-01-01-06-7-026-001
S.E.D. Control No. 48-01-01-06-0-003-008
S.E.D. Control No. 48-01-01-06-0-004-020

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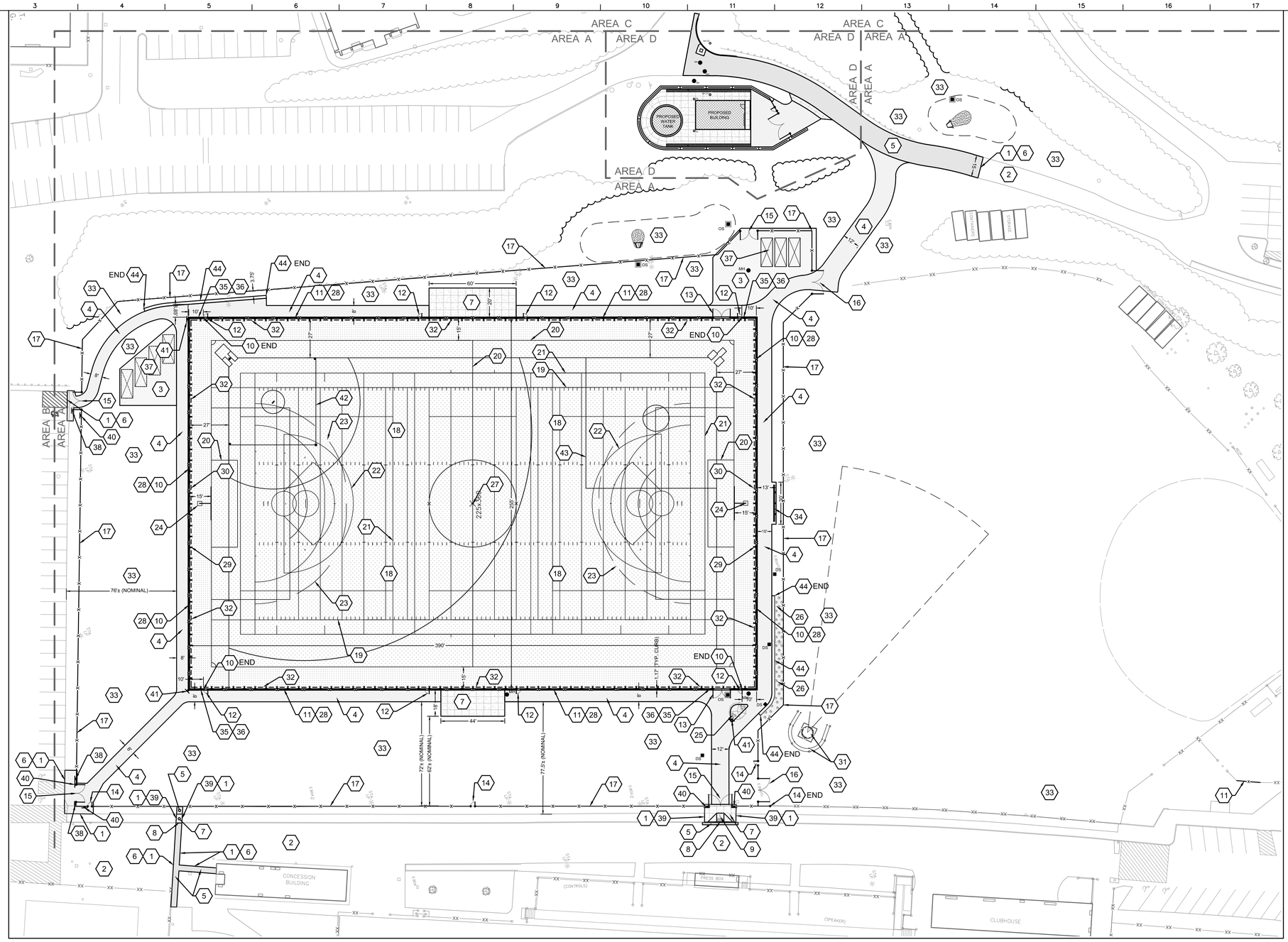
Mahopac Central School District
Mahopac, NY

Reconstruction to:
Mahopac High School

Site Soil Erosion and Sediment Control Plan

Drawn by:	Date:	Drawing No.:
DBG	08/21/20	AC111

T+ Project No.:
121111-19002



Site Layout Keynotes

1 SMOOTH TRANSITION FROM PROPOSED SURFACE TO ADJACENT EXISTING SURFACE, TYPICAL.

2 EXISTING ASPHALT PAVEMENT, PROTECT.

3 AGGREGATE PAVING. SEE DETAIL 6 / ZC500.

4 AUTO DUTY ASPHALT PAVING. SEE DETAIL 1 / ZC500.

5 HEAVY DUTY ASPHALT PAVING. SEE DETAIL 2 / ZC500.

6 NEW ASPHALT PAVING AT EXISTING ASPHALT □TYPICAL□ SEE DETAIL 3 / ZC500.

7 CONCRETE SIDEWALK. SEE SIDEWALK DETAILS 4 AND 10 / ZC500.

8 INTEGRAL CONCRETE CURB AT SIDEWALK, SEE DETAILS 9 AND 10 / ZC500.

9 ACCESSIBLE RAMP WITH DETECTABLE WARNING SURFACE AND DROP CURB. SEE DETAIL 22 / ZC500.

10 6-FT TALL BLACK VINYL CLAD CHAIN LINK FENCE. SEE DETAIL 7 / ZC503. 6-FT FENCE AT FIELD PERIMETER SHALL SPAN LENGTH OF END LINES AND FIRST 10-FEET OF SIDELINES.

11 4-FT TALL BLACK VINYL CLAD CHAIN LINK FENCE. SEE DETAIL 7 / ZC503.

12 4-FT TALL BLACK VINYL CLAD CHAIN LINK FENCE, 3-FT WIDE SINGLE GATE. SEE DETAIL 6 / ZC503.

13 4-FT TALL BLACK VINYL GLAD CHAIN LINK FENCE, 12-FT WIDE DOUBLE GATE. SEE DETAIL 12 / ZC503.

14 8-FT TALL BLACK VINYL CLAD CHAIN LINK FENCE, 3-FT WIDE SINGLE GATE. SEE DETAIL 6 / ZC503.

15 8-FT TALL BLACK VINYL GLAD CHAIN LINK FENCE, 12-FT WIDE DOUBLE GATE. SEE DETAIL 12 / ZC503.

16 8-FT TALL BLACK VINYL GLAD CHAIN LINK FENCE, 16-FT WIDE DOUBLE GATE. SEE DETAIL 12 / ZC503.

17 8-FT TALL BLACK VINYL CLAD CHAIN LINK FENCE. SEE DETAIL 7 / ZC503.

18 SYNTHETIC TURF MULTI-USE FIELD WITH LINE STRIPING FOR SOCCER, FOOTBALL, BOY'S LACROSSE AND GIRL'S LACROSSE AND FIELD HOCKEY. SEE DETAIL 9, 13, 17, 19, 20 / ZC501 AND PROJECT MANUAL SECTION 32 18 13 - SYNTHETIC TURF

19 FOOTBALL FIELD LINE STRIPING AT SYNTHETIC TURF FIELD. SEE DETAIL 13 / ZC501.

20 225-FT BY 360-FT SOCCER FIELD LINE STRIPING AT SYNTHETIC TURF FIELD. SEE DETAIL 9 / ZC501.

21 180-FT BY 330-FT BOYS LACROSSE FIELD LINE STRIPING AT SYNTHETIC TURF FIELD. SEE DETAIL 17 / ZC501.

22 210-FT BY 350-FT GIRL'S LACROSSE FIELD LINE STRIPING AT SYNTHETIC TURF FIELD. SEE DETAIL 19 / ZC501.

23 180-FT BY 300-FT FIELD HOCKEY LINE STRIPING AT SYNTHETIC TURF FIELD. SEE DETAIL 20 / ZC501.

24 FOOTBALL GOAL POST FOUNDATION AND GROUND SLEEVE. SEE SIMILAR DETAILS 15 AND 18 / ZC501. SEE COMBINATION FOOTBALL / SOCCER GOAL POST AND CLAMP, PROJECT MANUAL SECTION 11 68 33 - ATHLETIC EQUIPMENT. VERIFY THAT GOAL POST SLEEVE IS PLUMB IN ALL DIRECTIONS. GOAL POST NOT PART OF SCOPE.

25 ONE □1□SPECIMEN TREE □CORNUS KOUSA "DOGWOOD"□ WITH SIX □6□JUNIPER SHRUBS □JUNIPERUS PITZERERIANA"OLD GOLD"□AND WOOD MULCH BED. SEE DETAIL 5 / ZC506. SEE SPECIFICATIONS.

26 FORTY-THREE □43□ JUNIPER SHRUBS □JUNIPERUS SQUAMATA "BLUE STAR"□AND WOOD MULCH BED. SEE DETAILS 6 AND 7 / ZC506. SEE SPECIFICATIONS.

27 SYNTHETIC TURF CENTER LOGO AT 50-YARD LINE. SEE PROJECT MANUAL SECTION 32 18 13 - SYNTHETIC TURF SYSTEMS.

28 SYNTHETIC TURF EDGE AT CONCRETE CURB. SEE DETAIL 5 / ZC501.

29 FOOTBALL DELAY OF GAME CLOCK MOUNTED ON FOOTBALL SAFETY NETTING POST. SEE PROJECT MANUAL AND ELECTRICAL PLANS.

30 40-FT TALL FOOTBALL SAFETY NETTING SYSTEM. SEE DETAIL 3 / ZC501.

31 DISCUS CAGE AND THROWING RING, SEE DETAILS 7, 13 AND 16 / ZC502.

32 BALL STOPPER NETTING POST SYSTEM WITH INTEGRATED CHAIN LINK FENCING .ENTIRE PERIMETER OF FIELD, SEE DETAIL FOR REQUIRED HEIGHTS□ SEE DETAIL 2 / ZC501. NETTING SYSTEM PROVIDED TO BEGIN AT THE TOP OF CHAIN LINK FENCE AND EXTEND TO TOP OF POSTS.

33 SEEDED AREA - PROVIDE 6-INCHES OF AMENDED TOPSOIL, FINE GRADE, SEED, FERTILIZE AND MULCH. LEAVE NEAT SMOOTH EDGE, TYPICAL.

34 SCOREBOARD, REFER TO "E" SERIES DRAWINGS.

35 TRACK AND FIELD RULES SIGN MOUNTED ON OUTSIDE OF CHAIN LINK FENCE IN LOCATION SHOWN. SEE DETAIL 14 / ZC501.

36 FIELD WARNING SIGN MOUNTED ON OUTSIDE OF CHAIN LINK FENCE IN LOCATION ABOVE SYNTHETIC TURF FIELD RULES SIGN. SEE DETAIL 14 / ZC501.

37 RELOCATE STORAGE CONTAINERS TEMPORARILY MOVED DURING CONSTRUCTION. VERIFY FINAL LAYOUT WITH OWNER. □TYPICAL□

38 "ACCESSIBLE PARKING" SIGN □TYPE "E"□AND "NO PARKING" SIGN □TYPE "D"□ AND COMMON POST IN PAVEMENT, SEE SIMILAR DETAILS 10 AND 11 / ZC503. TYPE "E" SIGNAGE TO BE MOUNTED ABOVE TYPE "D" SIGNAGE. FOR TYPE "D" SIGNAGE, PROVIDE DIRECTIONAL ARROW AS PART OF SIGNAGE INDICATING LOCATION.

39 NEW CONCRETE SIDEWALK AT EXISTING CONCRETE SIDEWALK. SEE DETAIL 19 / ZC500.

40 FIELD ENTRANCE WAYFINDING SIGN MOUNTED ON OUTSIDE OF CHAIN LINK FENCE IN LOCATION SHOWN. SEE DETAIL 14 / ZC501.

41 SITE WAYFINDING SIGN SIMILAR TO TYPE "K" AND POST IN PAVEMENT, SEE SIMILAR DETAILS 10 AND 11 / ZC503. PROVIDE TEXT AS FOLLOWS: "HOME BLEACHER" AND DIRECTIONAL ARROW AND "VISITOR BLEACHER" AND DIRECTIONAL ARROW. *(HOME SIDE IS WEST SIDE OF FIELD, VISITOR SIDE IS EAST SIDE OF FIELD, SEE PLAN FOR REQUIRED DIRECTIONS)*

42 SOFTBALL PRACTICE FIELD STRIPING AT SYNTHETIC TURF FIELD. SEE DETAIL 17 / ZC502.

43 BASEBALL PRACTICE FIELD STRIPING AT SYNTHETIC TURF FIELD. SEE DETAIL 18 / ZC502.

44 SEGMENTAL CONCRETE RETAINING WALL. SEE DETAIL 8 / ZC503 AND PROJECT MANUAL SECTION 32 32 23 - SEGMENTAL RETAINING WALL.

I Site Layout Plan

1" = 30'

0 15' 30' 60'

SCALE: 1" = 30'

General Site Notes

1. REFER TO DRAWING AC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL AC-SERIES DRAWINGS.

Site Layout Notes

1. LAYOUT DIMENSIONS GIVEN ARE FROM FACE OF BUILDING (FOB), FACE OF CURB (F.O.C.), CENTER LINE (CL) AND EDGE OF PAVEMENTS UNLESS OTHERWISE NOTED.
2. OBJECTS ARE PARALLEL OR PERPENDICULAR TO EACH OTHER UNLESS OTHERWISE NOTED.
3. PAINTED TRAFFIC MARKINGS AND TRAFFIC SIGNS TO COMPLY WITH THE LATEST EDITION OF THE NYSDOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND LOCAL REQUIREMENTS.
4. VERIFY DIMENSIONS IN FIELD WITH OWNER'S REPRESENTATIVE ANY DIMENSIONS NOTED AS "V.I.F."
5. AT EDGE OF NEW PAVING MEETING LAWN: ADD TOPSOIL ALONG EDGE OF NEW PAVING TO BRING ADJACENT GRADE FLUSH WITH EDGE OF NEW PAVING AT MAXIMUM 3% SLOPE. CUT NEAT LINE IN EXISTING LAWN AT NEW TOPSOIL LIMIT LINE. REFER TO PROJECT MANUAL SIDEWALK AND ASPHALT PAVEMENT SECTIONS FOR ADDITIONAL REQUIREMENTS.
6. SCORE CONCRETE SIDEWALKS AT 5-FT SQUARE UNLESS OTHERWISE NOTED.

Site Layout Legend

	CONCRETE PAVING
	ASPHALT PAVING - AUTO DUTY
	CONCRETE CURB
	CONCRETE WALK
	WOOD MULCH PLANTING BED
	SYNTHETIC TURF
	PROPOSED BUILDING

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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TETRA TECH
ARCHITECTS & ENGINEERS

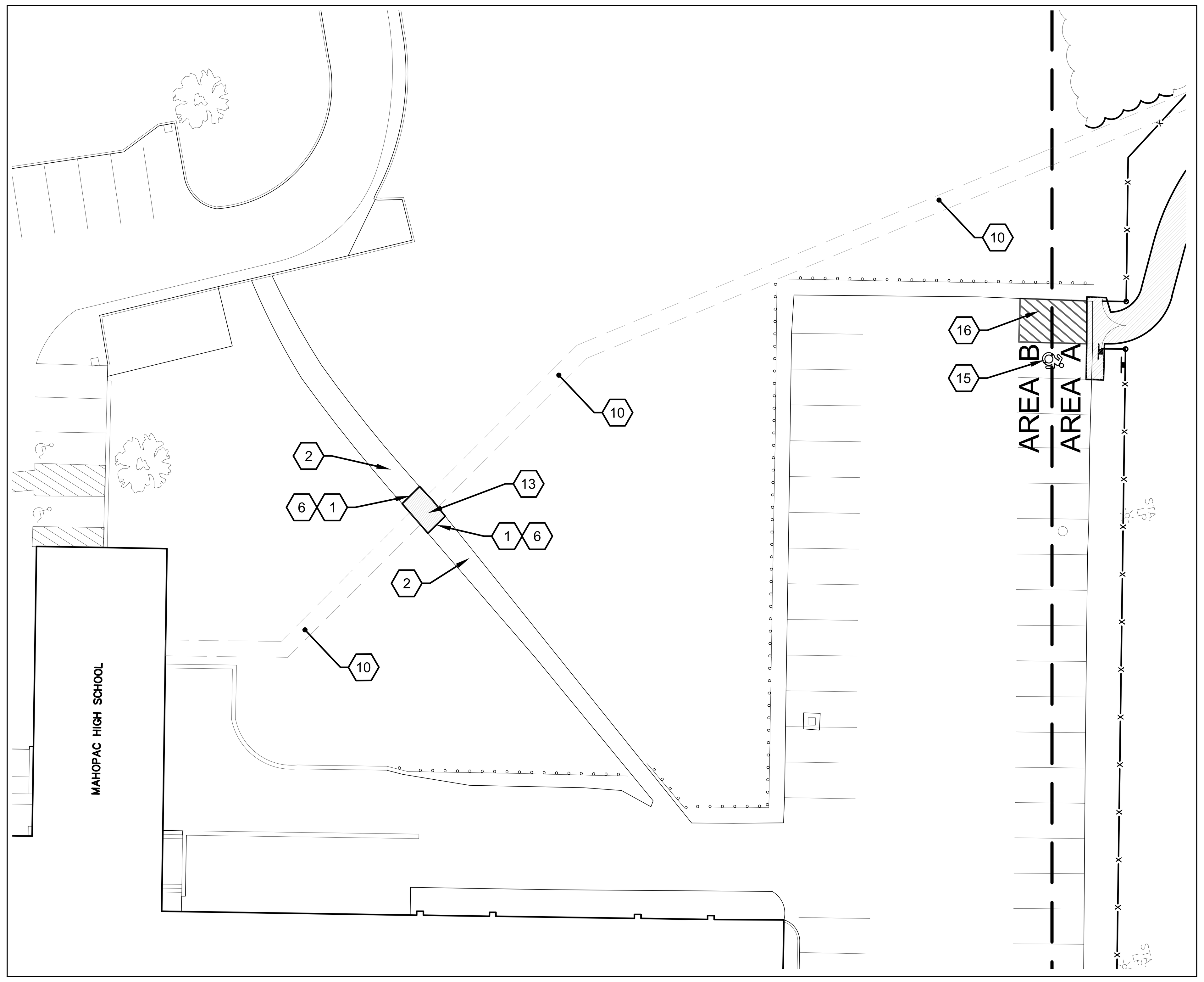
Mahopac Central School District
Mahopac, NY

Reconstruction to:
Mahopac High School

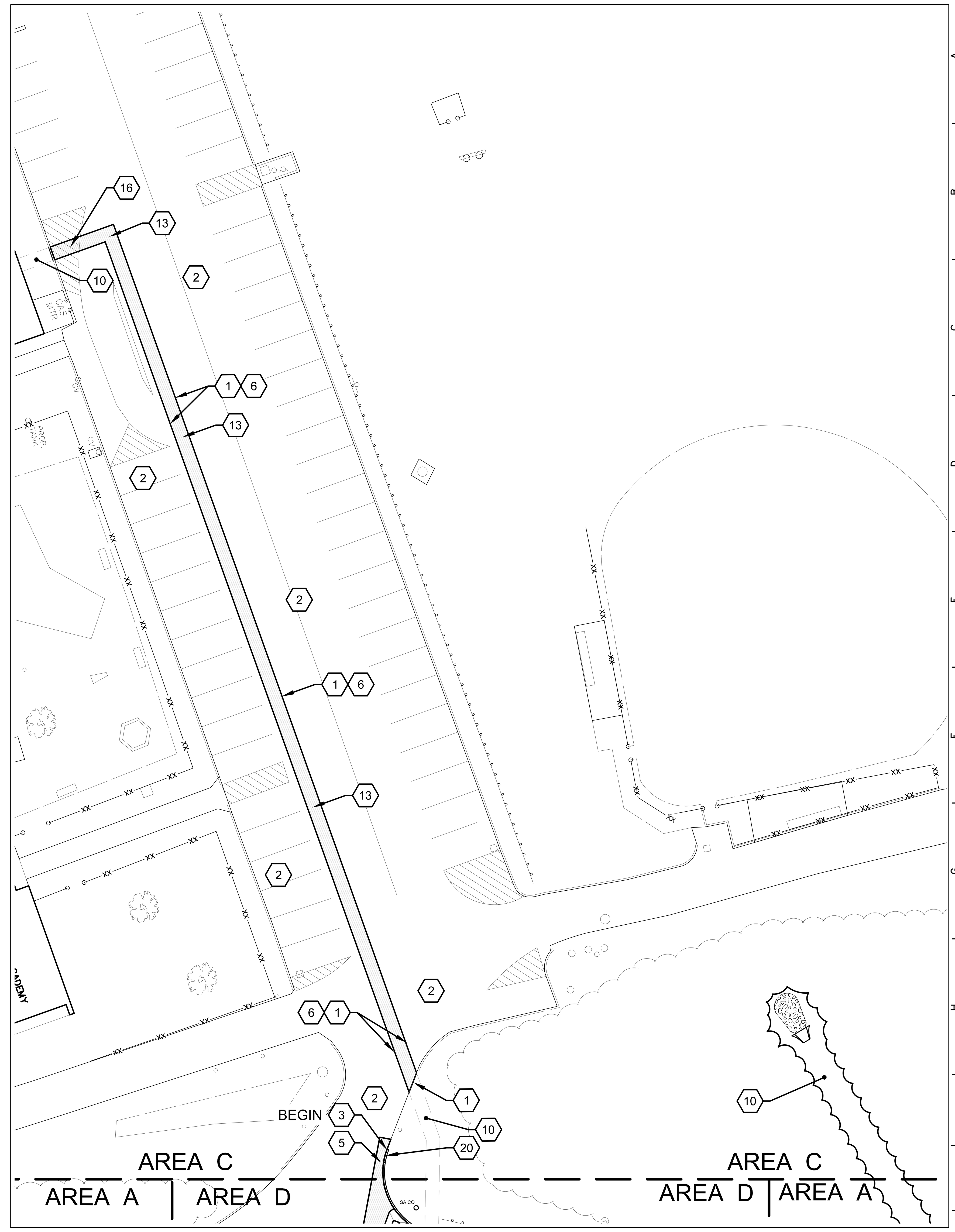
Site Layout Plan

Drawn by:	Date:	Drawing No.:
DGB	08/21/20	AC120

T+ Project No.:
121111-19002



Site Layout Plan - Area "B"
1" = 20'
SCALE: 1" = 20'



Site Layout Plan - Area "C"
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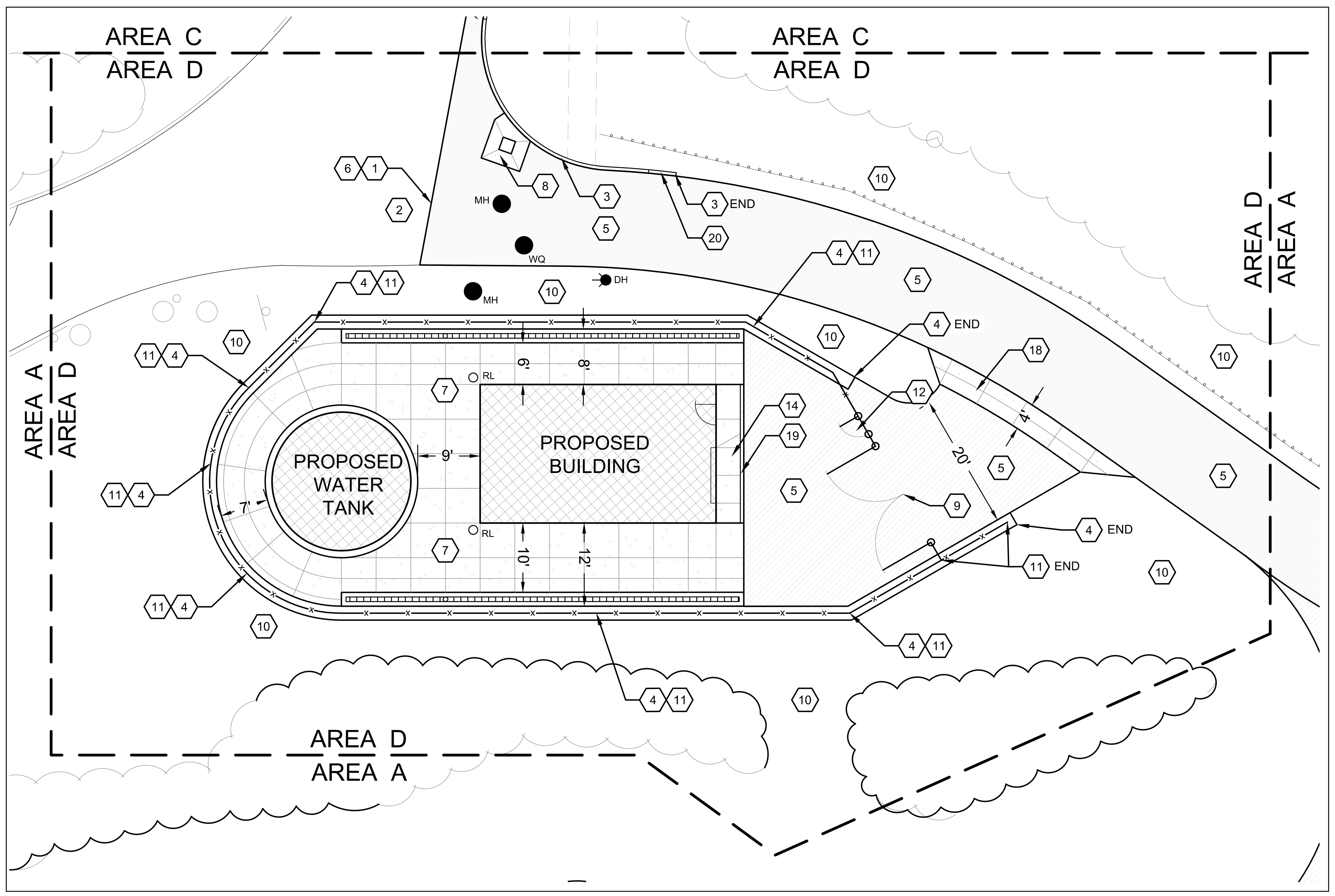
SCALE: 1" = 20'



Site Layout Plan - Area "D"
1" = 10'
SCALE: 1" = 10'

General Site Notes

1. REFER TO DRAWING AC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL AC-SERIES DRAWINGS.

Site Layout Notes

1. REFER TO DRAWING AC120 FOR SITE LAYOUT NOTES.

Site Layout Keynotes

1 SMOOTH TRANSITION FROM PROPOSED SURFACE TO ADJACENT EXISTING SURFACE, TYPICAL.

2 EXISTING ASPHALT PAVEMENT, PROTECT.

3 CONCRETE CURB AT LAWN. SEE DETAIL 18 / ZC503.

4 MODULAR CONCRETE RETAINING WALL. SEE DETAIL 8 / ZC503 AND PROJECT MANUAL SECTION 32 32 23 - MODULAR RETAINING WALL.

5 HEAVY DUTY ASPHALT PAVING. SEE DETAIL 2 / ZC500.

6 NEW ASPHALT PAVING AT EXISTING ASPHALT (TYPICAL). SEE DETAIL 3 / ZC500.

7 CONCRETE SIDEWALK. SEE DETAILS 4 AND 10 / ZC500.

8 CONCRETE APRON AROUND EXISTING / NEW STORM INLET IN ASPHALT PAVEMENT (TYPICAL). SEE DETAIL 5 / ZC502

9 8-FT TALL BLACK VINYL CLAD CHAIN LINK FENCE WITH 3-STRAND BARBED WIRE SYSTEM, 16-FT WIDE DOUBLE GATE. SEE DETAIL 12 / ZC503.

10 SEEDED AREA - PROVIDE 6-INCHES OF AMENDED TOPSOIL, FINE GRADE, SEED, FERTILIZE AND MULCH. LEAVE NEAT SMOOTH EDGE, TYPICAL.

11 8-FT TALL BLACK VINYL CLAD CHAIN LINK FENCE WITH 3-STRAND BARBED WIRE SYSTEM. SEE DETAILS 5 AND 7 / ZC503.

12 8-FT TALL BLACK VINYL CLAD CHAIN LINK FENCE WITH 3-STRAND BARBED WIRE SYSTEM, 4-FT WIDE SINGLE GATE. SEE DETAIL 6 / ZC503.

13 ASPHALT PAVING PATCH IN KIND OR PER AUTO DUTY PAVING SECTION, WHICHEVER IS MORE STRINGENT. SEE DETAILS 1 AND 17 / ZC500.

14 FOR CONCRETE SIDEWALK APRON ON NORTH SIDE OF PROPOSED BUILDING, SEE STRUCTURAL DETAIL 4 / HC130

15 ACCESSIBLE SYMBOLS WHERE INDICATED AND PARKING STALL STRIPING, SEE DETAIL 1 / ZC503.

16 TRAFFIC STRIPING AND PARKING STALL STRIPING AS INDICATED, SEE DETAIL 1 / ZC503.

17 6-FT TALL BLACK VINYL GLAD CHAIN LINK FENCE, 8-FT WIDE DOUBLE GATE. SEE DETAIL 12 / ZC503.

18 CONCRETE GUTTER IN LOCATION SHOWN. SEE DETAIL 17 / ZC503.

19 INTEGRAL CONCRETE CURB AT SIDEWALK, SEE DETAILS 9, AND 10 / ZC500.

20 6-INCH TALL CURB TRANSITION TO GRADE. SEE DETAIL14 / ZC500.

Site Layout Legend

[pattern]	CONCRETE PAVING
[pattern]	AGGREGATE PAVING
[pattern]	ASPHALT PAVING - AUTO DUTY
[pattern]	ASPHALT PAVING - WALK DUTY
[pattern]	CONCRETE CURB
[pattern]	CONCRETE WALK
[pattern]	PROPOSED BUILDING

S.E.D. Control No. 48-01-01-06-0-006-013
S.E.D. Control No. 48-01-01-06-7-026-001
S.E.D. Control No. 48-01-01-06-0-003-008
S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

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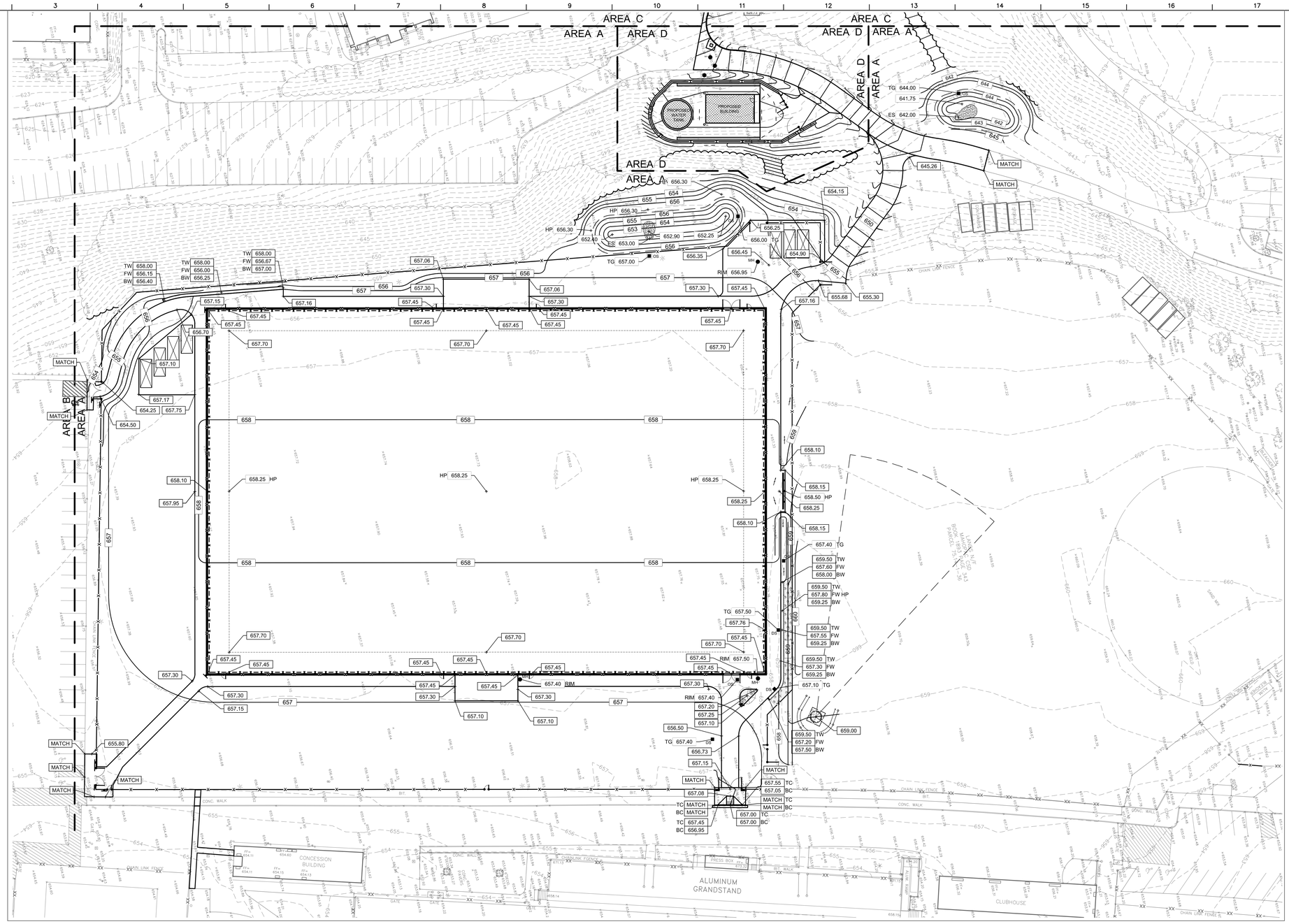
TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction to:
Mahopac High School

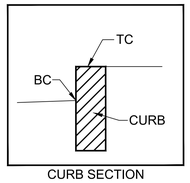
Site Layout Plan

Drawn by: DGB	Date: 08/21/20	Drawing No.:
T+ Project No.: 121111-19002		AC121

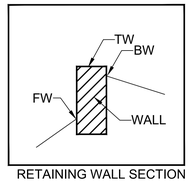


1 Site Grading Plan
1" = 30'

0 15' 30' 60'
SCALE: 1" = 30'



CURB SECTION



RETAINING WALL SECTION

GRADING KEY	
TC	TOP OF CURB
BC	BOTTOM OF CURB
TW	TOP OF WALL
BW	BOTTOM / BACK OF WALL
FW	FACE OF WALL
+	SPOT ELEVATION
HP	HIGH POINT
TG	TOP OF GRATE
RIM	TOP OF RIM
ES	END SECTION
MATCH	MATCH EXISTING GRADE

General Site Notes

1. REFER TO DRAWING AC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL AC-SERIES DRAWINGS.

General Grading Plan Notes

1. ALL FILL MATERIALS, INCLUDING ON-SITE MATERIALS, ARE TO BE SUBMITTED FOR ARCHITECT APPROVAL BEFORE PLACEMENT. REFER TO EARTH MOVING SPECIFICATION FOR REQUIREMENTS.
2. ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
3. EXCESS MATERIAL CUT FROM THE SITE WITH THE EXCEPTION OF TOPSOIL, SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF PER THE PROJECT MANUAL.
4. OWNER'S GEOTECHNICAL ENGINEER TO BE PRESENT FOR ALL FILL AND COMPACTION OPERATIONS, INCLUDING TRENCHES AND STORMWATER STRUCTURES. REFER TO EARTH MOVING SPECIFICATION FOR GEOTECHNICAL TESTING REQUIREMENTS.
5. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND STRUCTURES FOR NATURAL AND PAVED AREAS.
6. SPREAD TOPSOIL TO A MINIMUM DEPTH OF 6-INCHES CONTINUOUS SETTLED DEPTH OVER AREAS OF THE SITE WHERE EARTH HAS BEEN DISTURBED, EXCEPT WHERE BUILDING OR PAVING IS PROPOSED.
7. DISTURBED AREAS THAT ARE NOT RECEIVING PAVEMENT SHALL BE FINE GRADED, SEEDED OR SODDED, FERTILIZED AND MULCHED AS PER THE PROJECT MANUAL.
8. AFTER FINE GRADING IS COMPLETED, INFORM THE OWNER AND A/E SO THAT AN INSPECTION OF THE FINE GRADING CAN TAKE PLACE BEFORE SEEDING IS BEGUN. IF INSPECTION DOES NOT TAKE PLACE, APPROVAL OF LAWN MAY BE DELAYED OR DENIED.
9. PROVIDE GRADE ADJUSTING RINGS OR SHIMS AT DROP-INLETS, CATCH BASINS AND MANHOLES IN AREAS SCHEDULED FOR REPAVING OR REGRADING TO BRING RIMS UP TO LEVEL OF NEW FINISHED GRADE.
10. EXISTING AND PROPOSED GRADE CONTOUR INTERVALS SHOWN AT 1-FOOT INTERVALS.
11. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING LIDS.
12. IF APPLICABLE, THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL NEW YORK STATE S.P.D.E.S. PERMIT AND PROJECT S.W.P.P.P. FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
13. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
14. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
15. SPOT ELEVATIONS AT MODULAR RETAINING WALLS MAY INDICATE RELATIVE ELEVATIONS. IN LOCATIONS WHERE TOP OF WALL ELEVATIONS ARE NOT INDICATED AS LEVEL, DELEGATED DESIGN SHALL ASSUME WALL WILL BE STEPPED, ALONG WITH INTEGRAL CHAIN LINK FENCE WHERE APPLICABLE.
15. RETAINING WALL MAXIMUM FALL DISTANCE FROM GRADE NOT TO EXCEED 30" HEIGHT WITHOUT INSTALLATION OF INTEGRAL CHAIN LINK FENCE.

ADA Site Notes

1. THE MAXIMUM SLOPE OF ACCESSIBLE PARKING STALLS AND ASSOCIATED ACCESS AISLE SHALL BE 2% (1V:50H).
2. THE MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL ON ACCESSIBLE PATHS SHALL BE 5% (1V:20H).
3. THE MAXIMUM CROSS SLOPE ON ACCESSIBLE PATHS SHALL BE 2% (1V:50H).
4. THE MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL ON ACCESSIBLE RAMPS AND CURB RAMPS SHALL BE 8.33% (1V:12H), AS INDICATED ON THE DETAILS.
5. GROUND SURFACES ON ACCESSIBLE PATHS SHALL BE STABLE, FIRM, AND SLIP RESISTANT.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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ARCHITECTS & ENGINEERS

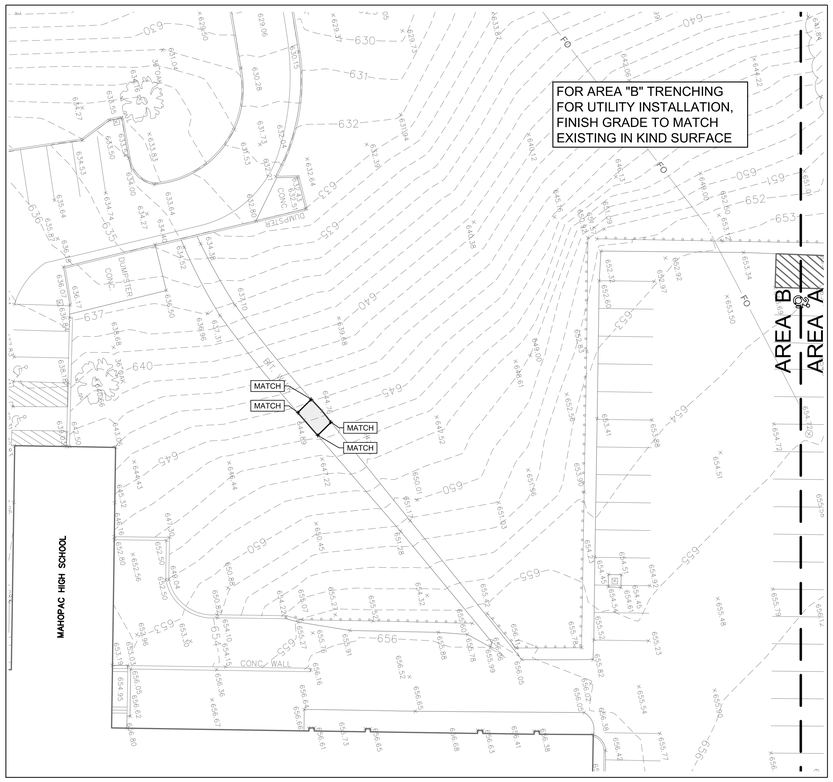
Mahopac Central School District
Mahopac, NY

Reconstruction to:
Mahopac High School

Site Grading Plan

Drawn by:	Date:	Drawing No.:
DBG	08/21/20	AC130

T+ Project No.: 121111-19002

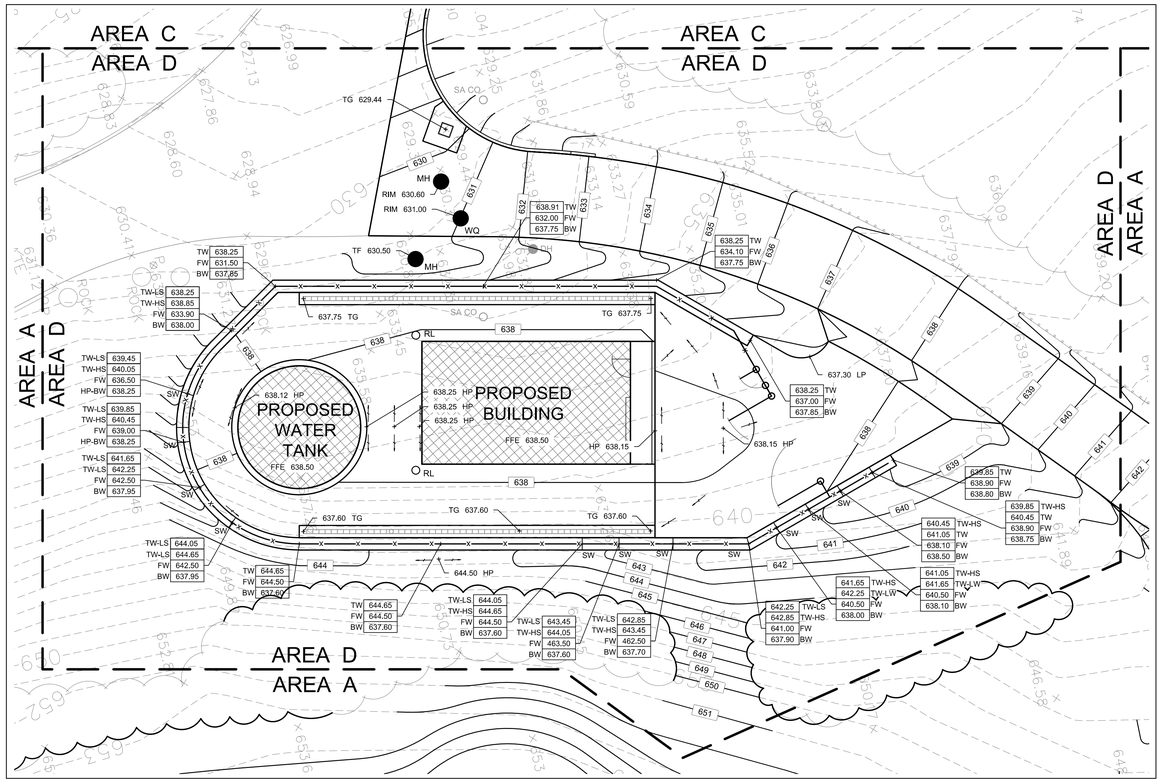


1 Site Grading Plan - Area "B"
1" = 20'

0 10' 20' 40'
SCALE: 1" = 20'

2 Site Grading Plan - Area "C"
1" = 20'

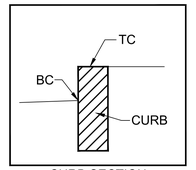
0 10' 20' 40'
SCALE: 1" = 20'



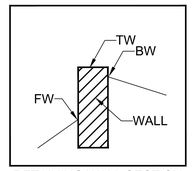
3 Site Grading Plan - Area "D"
1" = 10'

0 5' 10' 20'
SCALE: 1" = 10'

GRADING KEY	
TC	TOP OF CURB
BC	BOTTOM OF CURB
TW	TOP OF WALL
TW-HS	TOP OF WALL-HIGH SURFACE
TW-LS	TOP OF WALL-LOW SURFACE
BW	BOTTOM / BACK OF WALL
FW	FACE OF WALL
SW	STEP WALL
+	SPOT ELEVATION
HP	HIGH POINT
TG	TOP OF GRATE
RIM	TOP OF RIM
MATCH	MATCH EXISTING GRADE



CURB SECTION



RETAINING WALL SECTION

General Site Notes

1. REFER TO DRAWING AC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL AC-SERIES DRAWINGS.

General Grading Plan Notes

1. ALL FILL MATERIALS, INCLUDING ON-SITE MATERIALS, ARE TO BE SUBMITTED FOR ARCHITECT APPROVAL BEFORE PLACEMENT. REFER TO EARTH MOVING SPECIFICATION FOR REQUIREMENTS.
2. ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
3. EXCESS MATERIAL CUT FROM THE SITE :WITH THE EXCEPTION OF TOPSOIL::SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF PER THE PROJECT MANUAL.
4. OWNER'S GEOTECHNICAL ENGINEER TO BE PRESENT FOR ALL FILL AND COMPACTION OPERATIONS, INCLUDING TRENCHES AND STORMWATER STRUCTURES. REFER TO EARTH MOVING SPECIFICATION FOR GEOTECHNICAL TESTING REQUIREMENTS.
5. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND STRUCTURES FOR NATURAL AND PAVED AREAS.
6. SPREAD TOPSOIL TO A MINIMUM DEPTH OF 6-INCHES CONTINUOUS SETTLED DEPTH OVER AREAS OF THE SITE WHERE EARTH HAS BEEN DISTURBED, EXCEPT WHERE BUILDING OR PAVING IS PROPOSED.
7. DISTURBED AREAS THAT ARE NOT RECEIVING PAVEMENT SHALL BE FINE GRADED, SEEDED OR SODDED, FERTILIZED AND MULCHED AS PER THE PROJECT MANUAL.
8. AFTER FINE GRADING IS COMPLETED, INFORM THE OWNER AND A/E SO THAT AN INSPECTION OF THE FINE GRADING CAN TAKE PLACE BEFORE SEEDING IS BEGUN. IF INSPECTION DOES NOT TAKE PLACE, APPROVAL OF LAWN MAY BE DELAYED OR DENIED.
9. PROVIDE GRADE ADJUSTING RINGS OR SHIMS AT DROP-INLETS, CATCH BASINS AND MANHOLES IN AREAS SCHEDULED FOR REPAVING OR REGRADING TO BRING RIMS UP TO LEVEL OF NEW FINISHED GRADE.
10. EXISTING AND PROPOSED GRADE CONTOUR INTERVALS SHOWN AT 1-FOOT INTERVALS.
11. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING LIDS.
12. IF APPLICABLE, THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL NEW YORK STATE S.P.D.E.S. PERMIT AND PROJECT S.W.P.P.P. FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
13. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
14. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
15. SPOT ELEVATIONS AT MODULAR RETAINING WALLS MAY INDICATE RELATIVE ELEVATIONS. IN LOCATIONS WHERE TOP OF WALL ELEVATIONS ARE NOT INDICATED AS LEVEL, DELEGATED DESIGN SHALL ASSUME WALL WILL BE STEPPED, ALONG WITH INTEGRAL CHAIN LINK FENCE WHERE APPLICABLE.

ADA Site Notes

1. THE MAXIMUM SLOPE OF ACCESSIBLE PARKING STALLS AND ASSOCIATED ACCESS AISLE SHALL BE 2% (1V:50H).
2. THE MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL ON ACCESSIBLE PATHS SHALL BE 5% (1V:20H).
3. THE MAXIMUM CROSS SLOPE ON ACCESSIBLE PATHS SHALL BE 2% (1V:50H).
4. THE MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL ON ACCESSIBLE RAMPS AND CURB RAMPS SHALL BE 8.33% (1V:12H), AS INDICATED ON THE DETAILS.
5. GROUND SURFACES ON ACCESSIBLE PATHS SHALL BE STABLE, FIRM, AND SLIP RESISTANT.

S.E.D. Control No. 48-01-01-06-0-006-013
S.E.D. Control No. 48-01-01-06-7-026-001
S.E.D. Control No. 48-01-01-06-0-003-008
S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

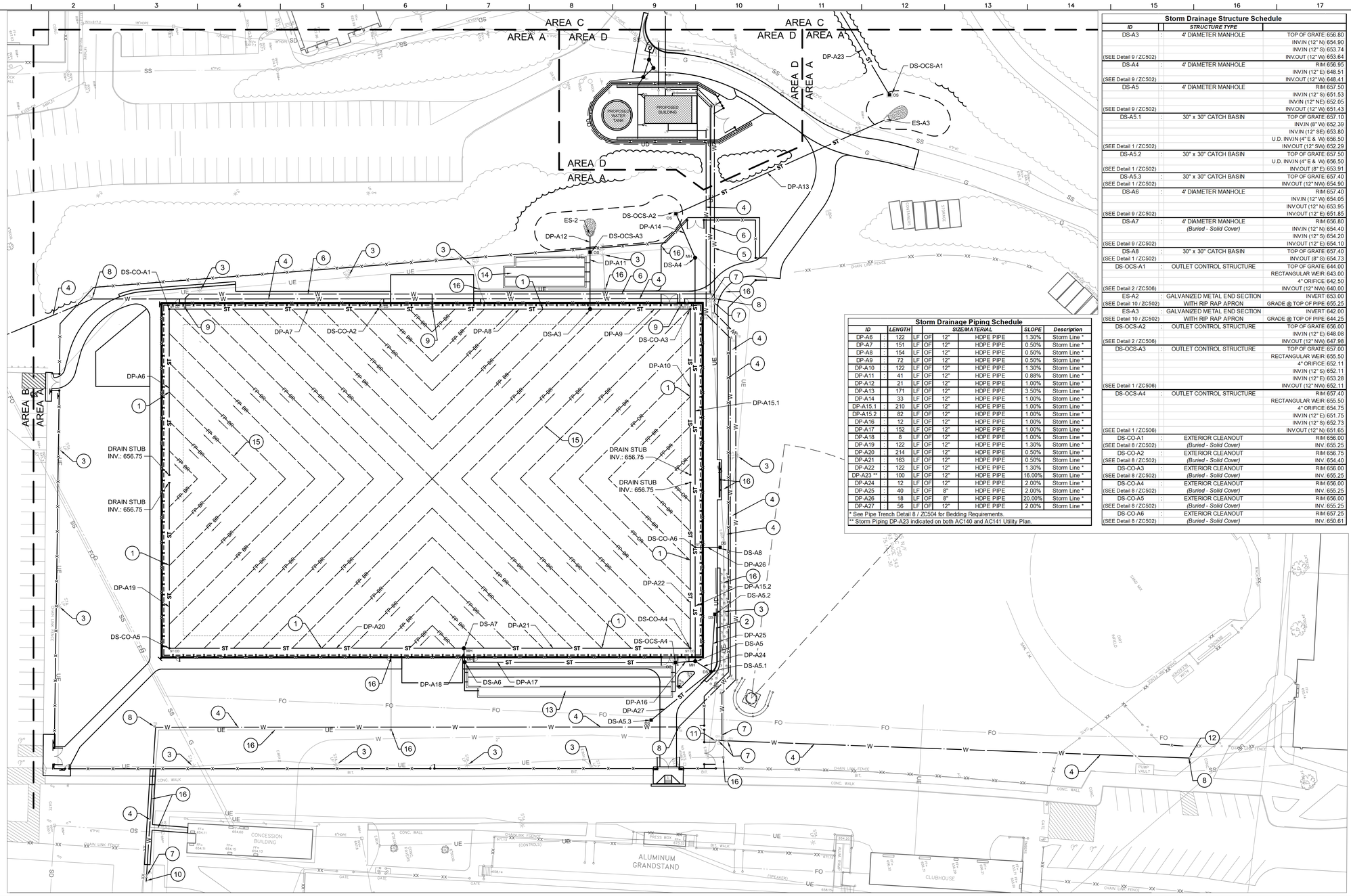
Mahopac Central School District
Mahopac, NY

Reconstruction to:
Mahopac High School

Site Grading Plan

Drawn by:	Date:	Drawing No.:
DBG	08/21/20	AC131

T+ Project No.:
121111-19002



Storm Drainage Structure Schedule

ID	STRUCTURE TYPE	
DS-A3	4' DIAMETER MANHOLE	TOP OF GRATE 656.80
		INV.IN (12" N) 654.90
		INV.IN (12" S) 653.74
(SEE Detail 9 / ZC502)		INV.OUT (12" W) 653.64
DS-A4	4' DIAMETER MANHOLE	RIM 656.95
		INV.IN (12" E) 648.51
(SEE Detail 9 / ZC502)		INV.OUT (12" W) 648.41
DS-A5	4' DIAMETER MANHOLE	RIM 657.50
		INV.IN (12" S) 651.53
		INV.IN (12" NE) 652.05
(SEE Detail 9 / ZC502)		INV.OUT (12" W) 651.43
DS-A5.1	30" x 30" CATCH BASIN	TOP OF GRATE 657.10
		INV.IN (8" W) 652.39
		INV.IN (12" SE) 653.80
		U.D. INV.IN (4" E & W) 656.50
(SEE Detail 1 / ZC502)		INV.OUT (12" SW) 652.29
DS-A5.2	30" x 30" CATCH BASIN	TOP OF GRATE 657.50
		U.D. INV.IN (4" E & W) 656.50
(SEE Detail 1 / ZC502)		INV.OUT (8" E) 653.91
DS-A5.3	30" x 30" CATCH BASIN	TOP OF GRATE 657.40
(SEE Detail 1 / ZC502)		INV.OUT (12" NW) 654.90
DS-A6	4' DIAMETER MANHOLE	RIM 657.40
		INV.IN (12" W) 654.05
		INV.OUT (12" N) 653.95
(SEE Detail 9 / ZC502)		INV.OUT (12" E) 651.85
DS-A7	4' DIAMETER MANHOLE	RIM 656.80
	(Buried - Solid Cover)	INV.IN (12" N) 654.40
		INV.IN (12" S) 654.20
(SEE Detail 9 / ZC502)		INV.OUT (12" E) 654.10
DS-A8	30" x 30" CATCH BASIN	TOP OF GRATE 657.40
(SEE Detail 1 / ZC502)		INV.OUT (8" S) 654.73
DS-OCS-A1	OUTLET CONTROL STRUCTURE	TOP OF GRATE 644.00
		RECTANGULAR WEIR 643.00
		4" ORIFICE 642.50
(SEE Detail 2 / ZC506)		INV.OUT (12" NW) 640.00
ES-A2	GALVANIZED METAL END SECTION	INVERT 653.00
(SEE Detail 10 / ZC502)	WITH RIP RAP APRON	GRADE @ TOP OF PIPE 655.25
ES-A3	GALVANIZED METAL END SECTION	INVERT 642.00
(SEE Detail 10 / ZC502)	WITH RIP RAP APRON	GRADE @ TOP OF PIPE 644.25
DS-OCS-A2	OUTLET CONTROL STRUCTURE	TOP OF GRATE 656.00
		INV.IN (12" E) 648.08
(SEE Detail 2 / ZC506)		INV.OUT (12" NW) 647.98
DS-OCS-A3	OUTLET CONTROL STRUCTURE	TOP OF GRATE 657.00
		RECTANGULAR WEIR 655.50
		4" ORIFICE 652.11
		INV.IN (12" S) 652.11
		INV.IN (12" E) 653.28
(SEE Detail 1 / ZC506)		INV.OUT (12" NW) 652.11
DS-OCS-A4	OUTLET CONTROL STRUCTURE	RIM 657.40
		RECTANGULAR WEIR 655.50
		4" ORIFICE 654.75
		INV.IN (12" E) 651.75
		INV.IN (12" S) 652.73
(SEE Detail 1 / ZC506)		INV.OUT (12" N) 651.65
DS-CO-A1	EXTERIOR CLEANOUT	RIM 656.00
(SEE Detail 8 / ZC502)	*(Buried - Solid Cover)*	INV. 655.25
DS-CO-A2	EXTERIOR CLEANOUT	RIM 656.75
(SEE Detail 8 / ZC502)	*(Buried - Solid Cover)*	INV. 654.40
DS-CO-A3	EXTERIOR CLEANOUT	RIM 656.00
(SEE Detail 8 / ZC502)	*(Buried - Solid Cover)*	INV. 655.25
DS-CO-A4	EXTERIOR CLEANOUT	RIM 656.00
(SEE Detail 8 / ZC502)	*(Buried - Solid Cover)*	INV. 655.25
DS-CO-A5	EXTERIOR CLEANOUT	RIM 656.00
(SEE Detail 8 / ZC502)	*(Buried - Solid Cover)*	INV. 655.25
DS-CO-A6	EXTERIOR CLEANOUT	RIM 657.25
(SEE Detail 8 / ZC502)	*(Buried - Solid Cover)*	INV. 650.61

Storm Drainage Piping Schedule

ID	LENGTH	SIZE/MATERIAL	SLOPE	Description
DP-A6	122 LF OF 12"	HDPE PIPE	1.30%	Storm Line *
DP-A7	151 LF OF 12"	HDPE PIPE	0.50%	Storm Line *
DP-A8	154 LF OF 12"	HDPE PIPE	0.50%	Storm Line *
DP-A9	72 LF OF 12"	HDPE PIPE	0.50%	Storm Line *
DP-A10	122 LF OF 12"	HDPE PIPE	1.30%	Storm Line *
DP-A11	41 LF OF 12"	HDPE PIPE	0.88%	Storm Line *
DP-A12	21 LF OF 12"	HDPE PIPE	1.00%	Storm Line *
DP-A13	171 LF OF 12"	HDPE PIPE	3.50%	Storm Line *
DP-A14	33 LF OF 12"	HDPE PIPE	1.00%	Storm Line *
DP-A15.1	210 LF OF 12"	HDPE PIPE	1.00%	Storm Line *
DP-A15.2	82 LF OF 12"	HDPE PIPE	1.00%	Storm Line *
DP-A16	12 LF OF 12"	HDPE PIPE	1.00%	Storm Line *
DP-A17	152 LF OF 12"	HDPE PIPE	1.00%	Storm Line *
DP-A18	8 LF OF 12"	HDPE PIPE	1.00%	Storm Line *
DP-A19	122 LF OF 12"	HDPE PIPE	1.30%	Storm Line *
DP-A20	214 LF OF 12"	HDPE PIPE	0.50%	Storm Line *
DP-A21	163 LF OF 12"	HDPE PIPE	0.50%	Storm Line *
DP-A22	122 LF OF 12"	HDPE PIPE	1.30%	Storm Line *
DP-A23 **	100 LF OF 12"	HDPE PIPE	16.00%	Storm Line *
DP-A24	12 LF OF 12"	HDPE PIPE	2.00%	Storm Line *
DP-A25	40 LF OF 8"	HDPE PIPE	2.00%	Storm Line *
DP-A26	18 LF OF 8"	HDPE PIPE	20.00%	Storm Line *
DP-A27	56 LF OF 12"	HDPE PIPE	2.00%	Storm Line *

* See Pipe Trench Detail 8 / ZC504 for Bedding Requirements.

** Storm Piping DP-A23 indicated on both AC140 and AC141 Utility Plan.

General Site Notes

1. REFER TO DRAWING AC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL AC-SERIES DRAWINGS.

General Utility Plan Notes

1. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OR DAMAGE TO ANY EXISTING UTILITY DURING CONSTRUCTION AT NO COST TO THE OWNER.
2. SEE PROJECT MANUAL FOR BACKFILLING AND COMPACTION REQUIREMENTS FOR UTILITY TRENCHES.
3. FILL MATERIAL IS TO BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
4. ALL WATER AND OTHER UTILITIES SHOULD BE KEPT TEN-FEET 10-FT) APART (PARALLEL) OR WITH 18 INCH CLEARANCE WHEN CROSSING VERTICALLY (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE)
5. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
6. TOPS OF EXISTING MANHOLES, DRAINAGE INLETS, HYDRANTS AND WATER LINE VALVE BOXES SHALL BE RAISED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS.
7. DRAWINGS DO NOT PURPORT TO SHOW ALL EXISTING UTILITIES.
8. EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
9. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND/OR MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. CONTRACTOR TO REFER TO PROJECT MANUAL REGARDING COORDINATION WITH UTILITY COMPANIES BEFORE ANY EXCAVATION REGARDING FIELD LOCATION OF UTILITIES.
10. THE CONTRACTOR SHALL CONDUCT REQUIRED TESTS TO THE SATISFACTION OF THE RESPECTIVE UTILITY COMPANIES AND THE OWNER'S INSPECTING AUTHORITIES.
11. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, AND OTHER MEANS OF PROTECTION. THIS TO INCLUDE BUT IS NOT LIMITED TO ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH PERFORMANCE CRITERIA FOR OSHA.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEWATERING, PUMPING AND TREATMENT OF WATER. NO WATER FROM ANY CONSTRUCTION WORK, PROCESS OR AREA SHALL BE RELEASED DOWN STREAM OR INTO STORM SYSTEMS WITH OUT FIRST BEING TREATED TO REMOVE SEDIMENT, OILS, OR OTHER POLLUTANTS.

1 Site Utility Plan - Area "A"
1" = 30'

SCALE: 1" = 30'

Site Utility and Drainage Keynotes

1 PROVIDE HARD CONNECTIONS FROM SYNTHETIC TURF FLAT PANEL COMPOSITE DRAIN TO 12-INCH PERFORATED HDPE STORM PIPING MANIFOLD. TYPICAL. SEE STORM DRAINAGE PIPING SCHEDULE AND DETAIL 14 / ZC502.

2 110-LF OF 4-IN UNDERDRAIN. SEE DETAIL 8 / ZC503.

3 EXISTING STADIUM LIGHT POLE / UNDERGROUND ELECTRIC LINE. PROTECT.

4 4" C900 PVC WATER LINE. SEE DETAIL 8 / ZC504.

5 6" C900 PVC WATER LINE. SEE DETAIL 8 / ZC504.

6 1 ½" SDR-21 PVC WATER LINE. SEE DETAIL 8 / ZC504.

7 GATE VALVE. SEE DETAIL 3 / ZC504.

8 THRUST BLOCK .TYPICAL ALL BENDS AND TEES.:. SEE DETAIL 6 / ZC504.

9 YARD HYDRANT. SEE DETAIL 4 / ZC504.

10 CONNECT TO EXISTING WELL. REFER TO DETAIL 9 / ZC504.

11 CONNECT TO EXISTING 2" WATER LINE.

12 CONNECT TO EXISTING 4" WATER LINE.

13 STORM CHAMBER UNDERGROUND DETENTION SYSTEM. SEE DETAIL 4 / ZC505.

14 STORM CHAMBER UNDERGROUND DETENTION SYSTEM. SEE DETAIL 3 / ZC505.

15 SYNTHETIC TURF FLAT PANEL PIPING COLLECTION SYSTEM. SEE DETAILS 1 / ZC501 AND 14 / ZC502.

16 SEE ELECTRICAL PLANS AND SPECIFICATIONS FOR SITE ELECTRICAL REQUIREMENTS.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

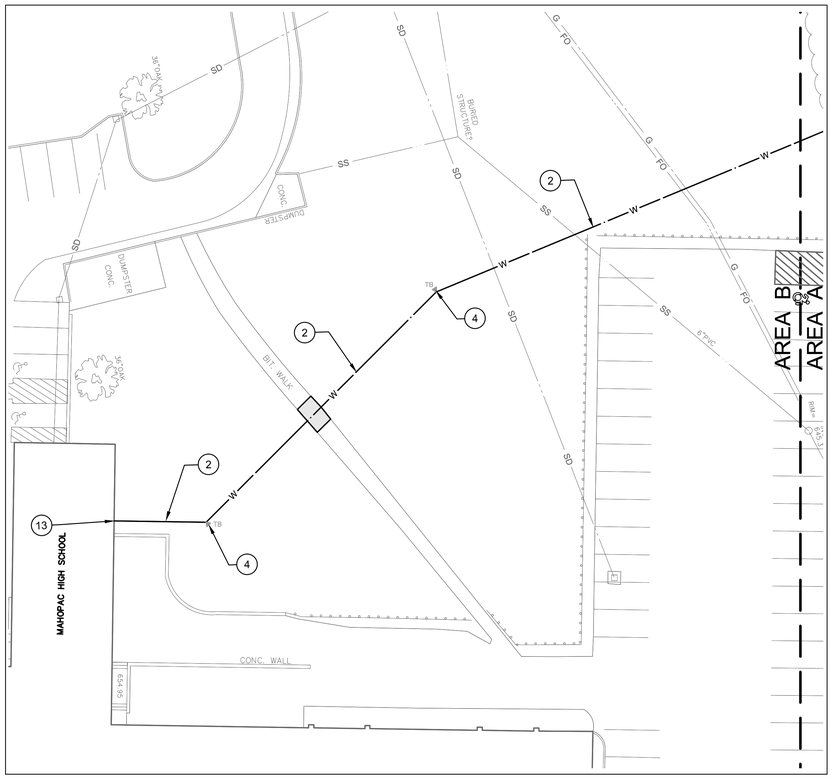
Mahopac Central School District
Mahopac, NY

Reconstruction to:
Mahopac High School

Site Utility Plan

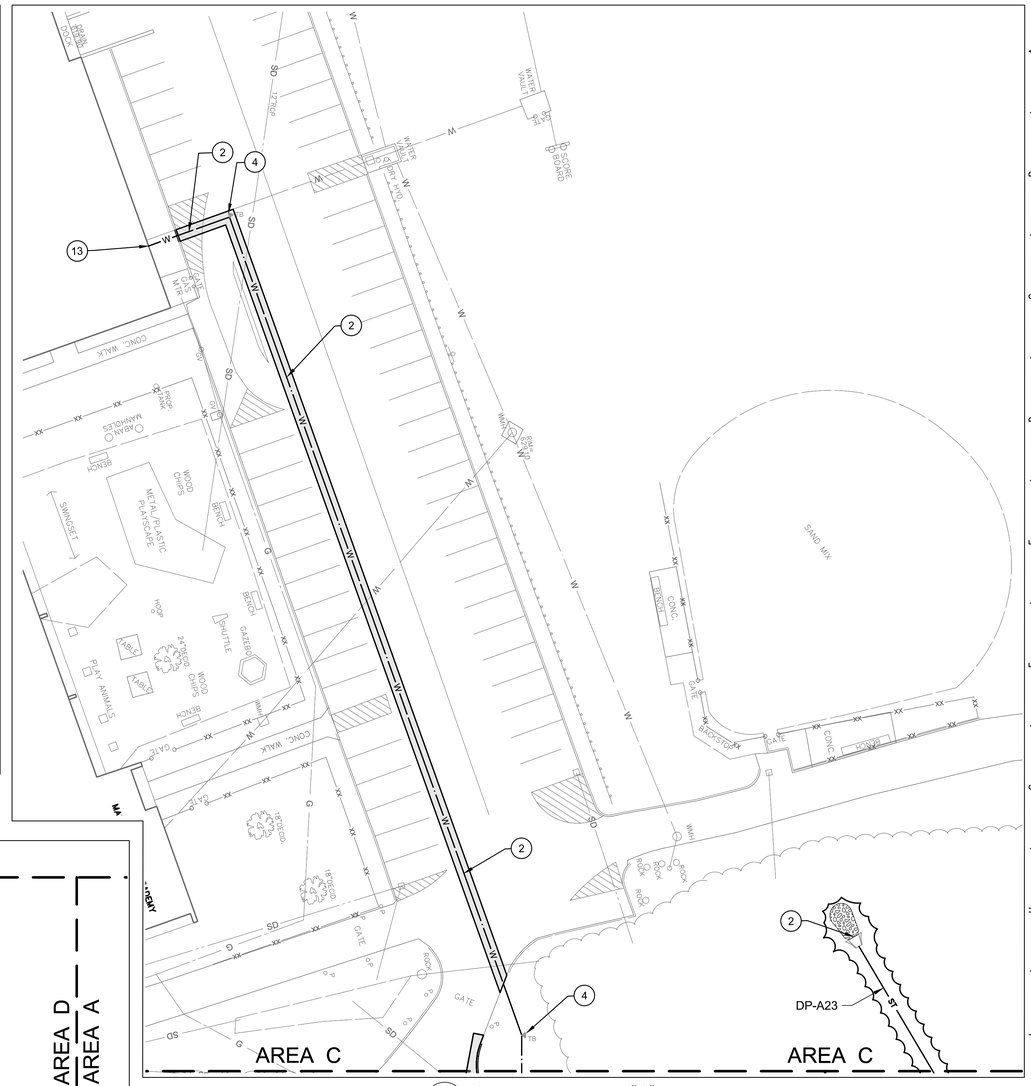
Drawn by:	Date:	Drawing No.:
DGB	08/21/20	AC140

T+ Project No.: 121111-19002



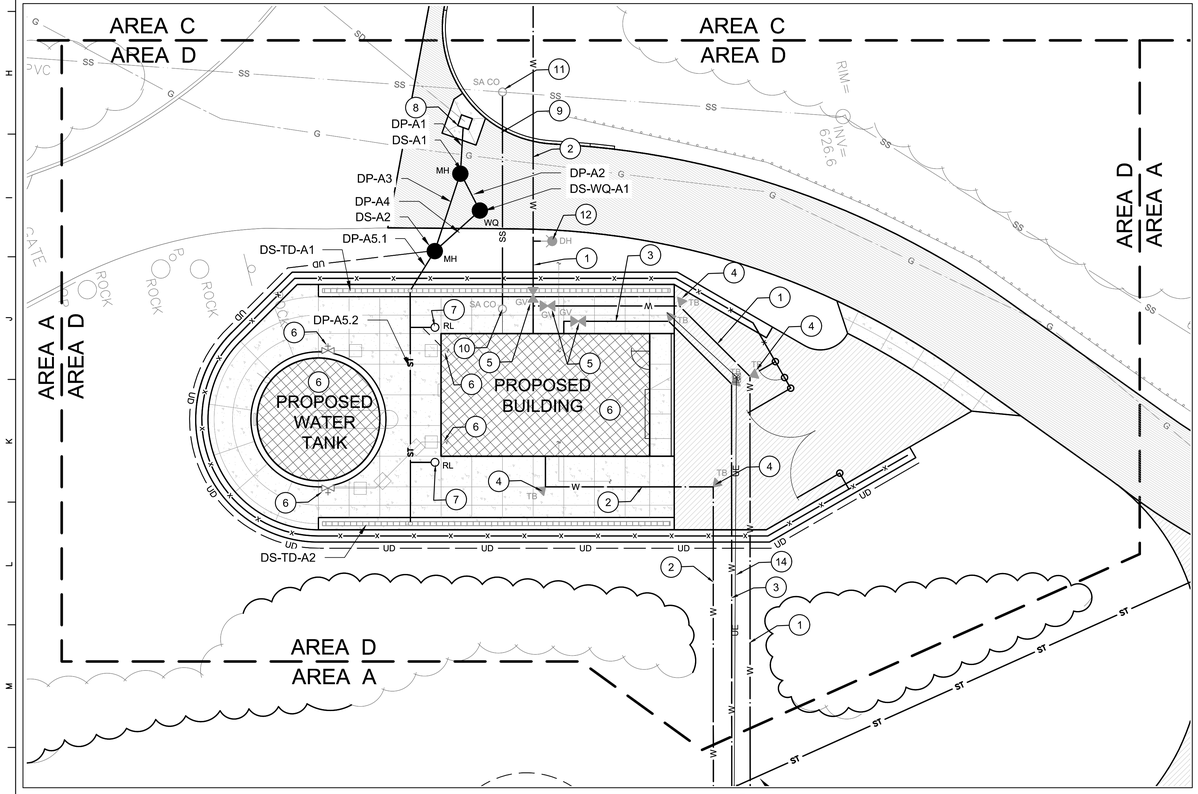
1 Site Utility Plan - Area "B"
1" = 20'

SCALE: 1" = 20'



2 Site Utility Plan - Area "C"
1" = 20'

SCALE: 1" = 20'



3 Site Utility Plan - Area "D"
1" = 10'

SCALE: 1" = 10'

Storm Drainage Structure Schedule

ID		STRUCTURE TYPE	
DS-A1	:	4' DIAMETER MANHOLE	RIM 630.60
			INV.IN (8" E) 627.55
			INV.IN (8" NE) 627.55
(SEE Detail 9 / ZC502)			INV.OUT (8" W) 627.45
DS-A2	:	4' DIAMETER MANHOLE	TOP OF GRATE 632.50
			INV.IN (8" E) 629.55
			INV.OUT (8" NW) 629.45
(SEE Detail 9 / ZC502)			INV.OUT (8" W) 629.15
DS-WQ-A1	:	WATER QUALITY UNIT	RIM 631.50
			INV.IN (8" SE) 628.45
(SEE Detail 6 / ZC502)			INV.OUT (8" SW) 628.35
ES-A1	:	GALVANIZED METAL END SECTION	INVERT 624.00
(SEE Detail 10 / ZC502)		WITH RIP RAP APRON	GRADE @ TOP OF PIPE 627.50
DS-TD-A1	:	8" NOMINAL WIDTH TRENCH DRAIN	TOP OF GRATE 637.75
		56 LF TOTAL LENGTH	@ TD START OF RUN (N) 637.09
		(17 1-METER UNITS)	@ TD START OF RUN (S) 636.95
			INV @ TD END OF RUN 636.88
			INV.IN @ DROP (8" E) 634.50
(SEE Detail 3 / ZC502)			INV.OUT (8" W) 630.00
DS-TD-2	:	8" NOMINAL WIDTH TRENCH DRAIN	TOP OF GRATE 637.60
		56 LF TOTAL LENGTH	@ TD START OF RUN (N) 636.94
		(17 1-METER UNITS)	@ TD START OF RUN (S) 636.80
			INV @ TD END OF RUN 636.73
(SEE Detail 3 / ZC502)			INV.OUT (8" W) 635.00

Storm Drainage Piping Schedule

ID		LENGTH	SIZE/MATERIAL				SLOPE	Description
DP-A1	:	8	LF	OF	8"	HDPE PIPE	3.13%	Storm Line *
DP-A2	:	5	LF	OF	8"	HDPE PIPE	16.00%	Storm Line *
DP-A3	:	13	LF	OF	8"	HDPE PIPE	14.62%	Storm Line *
DP-A4	:	9	LF	OF	8"	HDPE PIPE	7.78%	Storm Line *
DP-A5.1	:	7	LF	OF	8"	HDPE PIPE	6.43%	Storm Line *
DP-A5.2	:	37	LF	OF	8"	HDPE PIPE	1.34%	Storm Line *
DP-A23**	:	100	LF	OF	12"	HDPE PIPE	16.00%	Storm Line *

* See Pipe Trench Detail 8 / ZC504 for Bedding Requirements.

** Storm Piping DP-A23 indicated on both AC140 and AC141 Utility Plan.

Site Utility and Drainage Keynotes

1 6" C900 PVC WATER LINE. SEE DETAIL 8 / ZC504.

2 4" C900 PVC WATER LINE. SEE DETAIL 8 / ZC504.

3 1½" SDR-21 PVC WATER LINE. SEE DETAIL 8 / ZC504.

4 THRUST BLOCK .TYPICAL ALL BENDS AND TEES.□ SEE DETAIL 6 / ZC504.

5 GATE VALVE. SEE DETAIL 3 / ZC504.

6 FOR WATER TANK AND PUMP HOUSE INFORMATION, SEE DETAILS 1 AND 2 / ZC504.

7 ROOF LEADER DOWNSPOUT BOOT. SEE DETAIL 12 / ZC502. CONNECT TO PROPOSED STORM LINE .DP-5.2.□

8 CONNECT STORM LINE TO EXISTING STRUCTURE. CORE INTO EXISTING CATCH BASIN □ INV IN = 626.45

9 36 LF 4" PVC SANITARY SEWER PIPING □ 7.0.□ SLOPE. SEE DETAIL 8 / ZC504.

10 EXTERIOR DROP CLEANOUT. SEE DETAIL 15 / ZC502. REFER TO PLUMBING DRAWINGS FOR BUILDING CONNECTION. INVERT AT DROP=635.95. CONNECT TO 4" PVC SANITARY MAIN AT INVERT=631.00.

11 EXTERIOR DROP CLEANOUT. SEE DETAIL 15 / ZC502. INVERT AT DROP= 627.50. CONNECT TO EXISTING 6" PVC SANITARY MAIN AT INV=623.24.□/-. VERIFY LOCATION AND DEPTH OF EXISTING LINE PRIOR TO INSTALLATION.

12 HYDRANT ASSEMBLY. SEE DETAIL 7/ ZC504. PROVIDE 18" x 24" NOTIFICATION SIGNAGE INDICATING IN RED TEXT ON A WHITE BACKROUND THE FOLLOWING: "MANUAL WET HYDRANT." SEE SIMILAR SIGNAGE TYPE "D", DETAIL 11/ ZC503.

13 CONNECT TO WATER LINE AT BUILDING. SEE PLUMBING DRAWINGS.

14 SEE ELECTRICAL PLANS AND SPECIFICATIONS FOR SITE ELECTRICAL REQUIREMENTS.

General Site Notes

1. REFER TO DRAWING AC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL AC-SERIES DRAWINGS.

General Utility Plan Notes

1. REFER TO DRAWING AC140 FOR GENERAL UTILITY NOTES THAT APPLY TO ALL AC-SERIES DRAWINGS.

S.E.D. Control No. 48-01-01-06-0-006-013
S.E.D. Control No. 48-01-01-06-7-026-001
S.E.D. Control No. 48-01-01-06-0-003-008
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Rev. No.:	Date:	Description:

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BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction to:
Mahopac High School

Site Utility Plan

Drawn by:	Date:	Drawing No.:
DGB	08/21/20	AC141

T+ Project No.:
121111-19002

1 Basement - Key Plan
3/64" = 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.

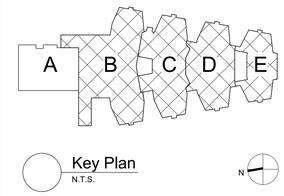
C. REFER INCONSISTENCIES TO ARCHITECT PRIOR TO COMMENCING THE WORK IN AFFECTED AREA.

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. ELEVATION 110'-6 1/4" ON ARCHITECTURAL DRAWINGS CORRESPONDS TO ELEVATION 648.97' ON THE SURVEY DRAWINGS.

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



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

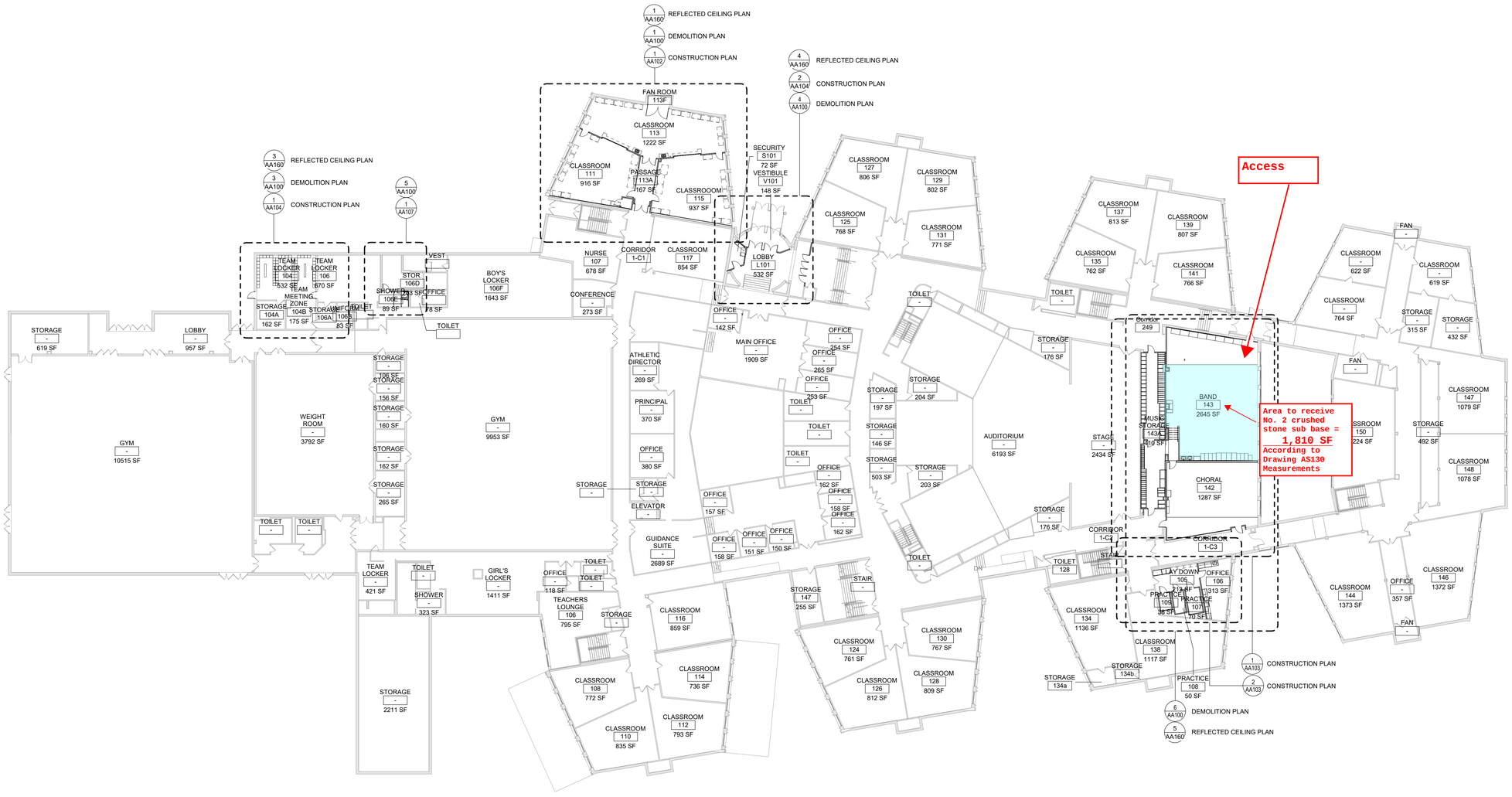
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Basement Key Plan

Drawn By:	Date:	Drawing Number:
TS	8/21/20	AA050

Project No.:
121111-19002



1 First Floor - Key Plan
3/64" = 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.

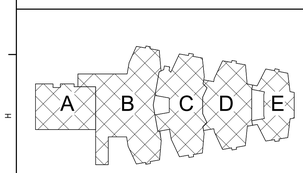
C. REFER INCONSISTENCIES TO ARCHITECT PRIOR TO COMMENCING THE WORK IN AFFECTED AREA.

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. ELEVATION 110'-6 1/4" ON ARCHITECTURAL DRAWINGS CORRESPONDS TO ELEVATION 648.97' ON THE SURVEY DRAWINGS.

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



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

First Floor Key Plan

Drawn By:	Date:	Drawing Number:
TS	8/21/20	AA051

Project No.: 121111-19002

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

A B C D E

Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

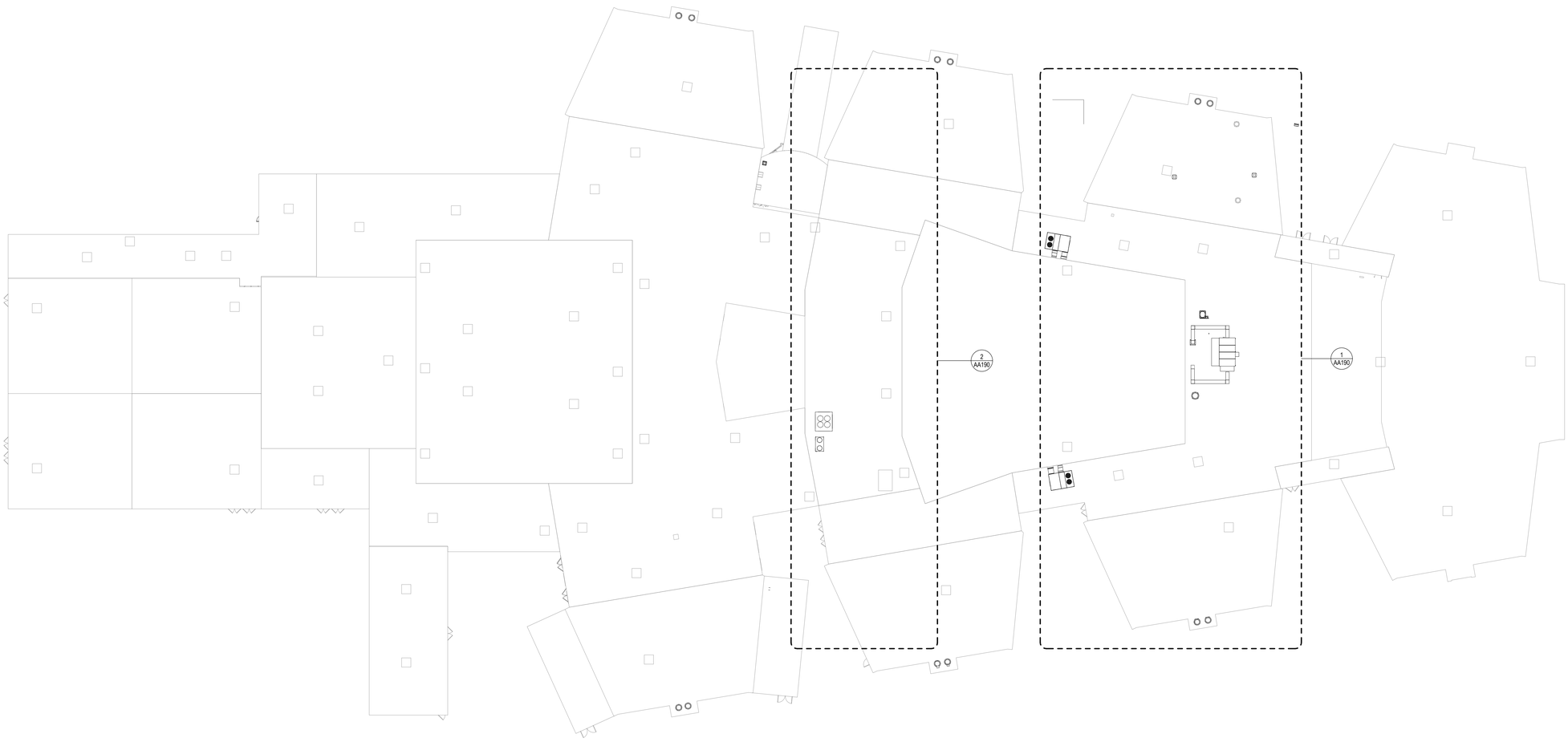
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Second Floor Key Plan

Drawn By:	Date:	Drawing Number:
TS	8/21/20	AA052

Project No.:
121111-19002



1 Roof Key Plan
3/64" = 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.

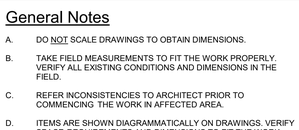
C. REFER INCONSISTENCIES TO ARCHITECT PRIOR TO COMMENCING THE WORK IN AFFECTED AREA.

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. ELEVATION 110'-6 1/4" ON ARCHITECTURAL DRAWINGS CORRESPONDS TO ELEVATION 648.97' ON THE SURVEY DRAWINGS.

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



Key Plan
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S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

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TETRA TECH
ARCHITECTS & ENGINEERS

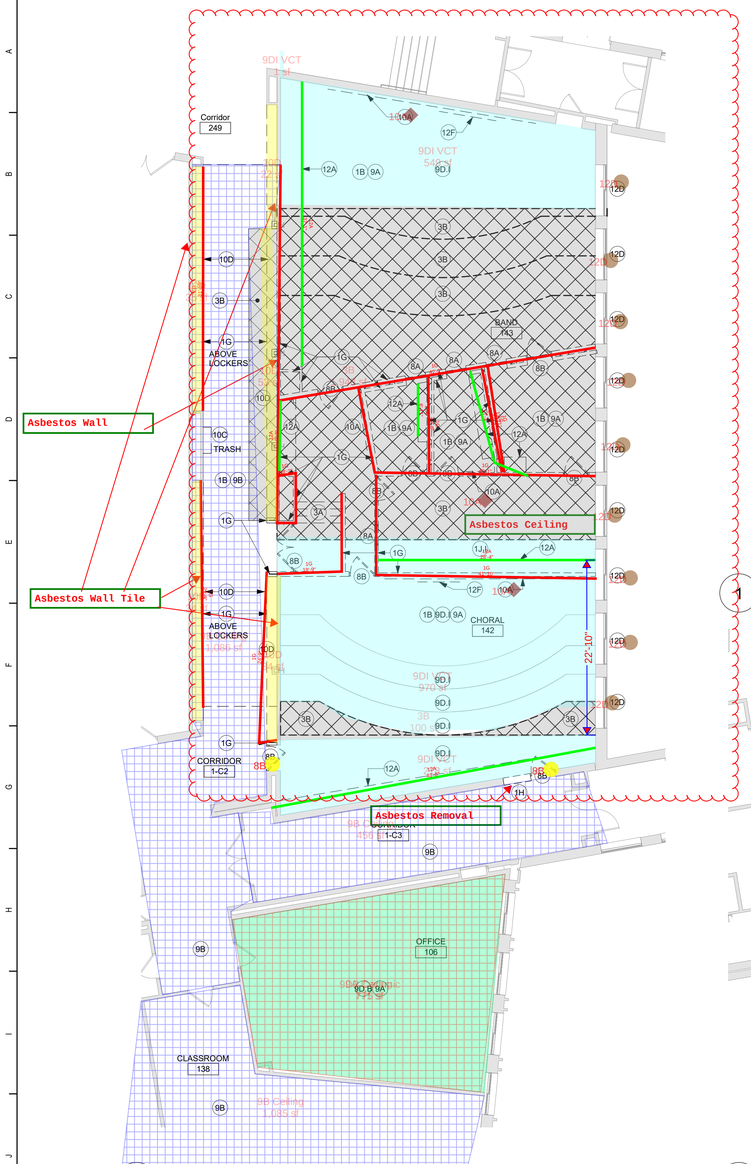
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Roof Key Plan

Drawn By:	Date:	Drawing Number:
TS	8/21/20	AA054

Project No.:
121111-19002



6 First Floor - Music Suite - Demolition Plan
1/8" = 1'-0"

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

2 Basement - Cafeteria & Kitchen - Demolition Plan
1/8" = 1'-0"

7 Basement Classoom 40 - Demolition Plan
1/8" = 1'-0"

8 Basement Room 27 - Demolition Plan
1/8" = 1'-0"

5 First Floor - Shower and Storage Rooms - Demolition Plan
1/8" = 1'-0"

4 First Floor - Main Entrance - Demolition Plan
1/8" = 1'-0"

3 1st Floor - Locker Room - Demolition Plan
1/8" = 1'-0"

Demolition Key Notes

1B WITHIN THIS SPACE: REMOVE ALL CONSTRUCTION IN ITS ENTIRETY. STRUCTURE TO REMAIN, TYPICAL UNO. REMOVE ALL FINISH MATERIALS OR OTHER ITEMS ATTACHED TO FACE OF WALLS SCHEDULED TO REMAIN, TYPICAL UNO. PERFORM ABATEMENT PRIOR TO DEMOLITION.

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

1H SAW CUT OR ENLARGE EXISTING OPENING IN WALL TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. PROVIDE LINTEL PER LINTEL SCHEDULE. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES.

1J.x REMOVE FLOOR ASSEMBLY (INCLUDING FLOOR FINISH AND MASTIC), PORTION INDICATED OR REQUIRED TO PERFORM SCHEDULED WORK.

SUFFIX KEY (EXG FLOOR FINISH IDENTIFICATIONS):
- A. CARPET.
- B. CERAMIC FLOOR TILE.
- C. CONCRETE (NATURAL OR SEALED OR STAINED OR PAINTED FINISHES).
- D. LINOLEUM, SHEET OR TILE.
- E. PORCELAIN TILE.
- F. POURED EPOXY.
- G. RUBBER FLOORING.
- H. TERRAZZO.
- I. VAT/VCT.
- J. VINYL, SHEET.
- K. WOOD FLOORING.

1K REMOVE EXTERIOR SOFFIT FINISH CONSTRUCTION AND STRUCTURAL STEEL FRAMING IN ITS ENTIRETY.

1M REMOVE EXISTING EXPANSION JOINT COVER - PROTECT ADJACENT SURFACES FROM DAMAGE.

1N ARTWORK TO REMAIN - DO NOT DAMAGE. REMOVAL BY OWNER.

3A REMOVE CONCRETE STAIR SYSTEM. PREPARE SURFACES TO PERFORM SCHEDULED WORK.

3B REMOVE PORTION OF CONCRETE SLAB INDICATED OR REQUIRED TO PERFORM SCHEDULED WORK. 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 FRAMED [STAIR] [RAMP] SYSTEM. PREPARE SURFACES TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK.

6A REMOVE WOOD-FRAMED [STAIR] [RAMP] SYSTEM. PREPARE SURFACES TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK.

8A REMOVE WINDOW AND/OR STOREFRONT AND/OR CURTAIN WALL SYSTEM COMPLETELY. PREPARE OPENING TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES.

8B Remove door and frame completely. Remove salvage and inventory door cores. Turn inventoried door cores over to owner for reuse. Patch exposed surfaces.Add 2

8C REMAIN. INSTALL METAL PLATES OVER HINGE CUTOUTS, AND FILL ALL VOIDS IN FRAME FLUSH. PATCH, PREPARE AND PAINT FRAME TO REMAIN.

8D REMOVE RAILINGS/STANCHION SYSTEM INCLUDING ANCHORS COMPLETELY

8E REMOVE OVERHEAD DOOR.

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

9B REMOVE PORTION OF CEILING SYSTEM AND/OR SOFFIT SYSTEM, TO EXTENT REQUIRED TO PERFORM NEW WORK. CAREFULLY TRIM CEILING GRID TO REMAIN. SALVAGE CEILING FOR REINSTALLATION WHERE ONLY REMOVED TO ACCOMMODATE MECHANICAL, ELECTRICAL AND PLUMBING WORK.

9C CAREFULLY REMOVE EXISTING CEILING AND CEILING GRID TO EXTENT REQUIRED TO PERFORM ROOF STRUCTURAL REINFORCING SCOPE. REFER TO STRUCTURAL DRAWINGS. REINSTALL REMOVED CEILING PANELS AND CEILING GRID. REPLACE DAMAGED CEILING TILES AND GRID TO MATCH EXISTING.

Demolition Key Notes, cont.

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.
- B. CERAMIC FLOOR TILE.
- C. CONCRETE (NATURAL OR SEALED OR STAINED OR PAINTED).
- D. LINOLEUM, SHEET OR TILE.
- E. PORCELAIN TILE.
- F. POURED EPOXY.
- G. RUBBER FLOORING.
- H. TERRAZZO.
- I. VAT/VCT.
- J. VINYL, SHEET.
- K. WOOD FLOORING.

10A REMOVE TEACHING SURFACES INCLUDING MARKER BOARDS, TACK BOARDS AND CHALK BOARDS. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES.

10C REMOVE TOILET AND BATH ACCESSORIES. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK.

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

10F REMOVE BENCHES (INCLUDING ALL ASSOCIATED COMPONENTS). PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK.

10H REMOVE SIGNAGE.

10J REMOVE OPERABLE PARTITION SYSTEM AND ASSOCIATED SOFFIT CONSTRUCTION IN ITS ENTIRETY.

11B REMOVE FOOD SERVICE EQUIPMENT IN ITS ENTIRETY. PROTECT AND DELIVER TO OWNER'S STORAGE LOCATION FOR THEIR RE-USE.

11C REMOVE FREEZER / COOLER EQUIPMENT IN ITS ENTIRETY. PROTECT AND DELIVER TO OWNER'S STORAGE LOCATION FOR THEIR RE-USE.

12A REMOVE CASEWORK, SHELVING AND EQUIPMENT IN ITS ENTIRETY. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES WHERE WALLS AER TO REMAIN. COORDINATE WITH CASEWORK DRAWINGS.

12B REMOVE COUNTERTOP ONLY. EXISTING BASE CABINETS TO REMAIN. SEE NEW SCHEDULED WORK.

12C REMOVE RECESSED FLOOR MAT AND FRAME. LEVEL SLAB WITH ADJACENT SLABS AT ALL AREAS OF FLOOR REMOVAL. INCLUDE CONCRETE FLOOR PATCHING AND LEVELING MATERIALS TO MAKE SURFACE LEVEL. PREPARE FOR FINISH.

12D REMOVE WINDOW TREATMENTS ONLY - WINDOW SYSTEM TO REMAIN.

12E REMOVE FUME HOOD, CABINET AND ASSOCIATED PIPING AND MECHANICAL ITEMS. SEE PLIMBING AND MECHANICAL DRAWINGS.

12F REMOVE, PROTECT AND TURN OVER TO OWNER FLAT PANEL DISPLAYS AND/OR SMARTBOARD DISPLAYS.

12G REMOVE WALL MOUNTED STORAGE CABINET.

12H REMOVE ADA DOOR OPERATOR PEDESTAL. SALVAGE OPERATOR CONTROL BUTTON FOR REINSTALLATION ON EXISTING WALL.

12J REMOVE WALL TILE FINISH BACK TO SUBSTRATE. PREPARE SURFACE FOR SCHEDULED FINISH.

General Demolition Notes

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

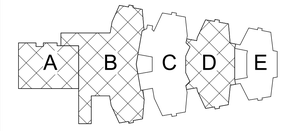
B. KEYED DEMOLITION TAGS REFER TO SPECIFIC LOCATIONS AS FOLLOWS:
1. DEMOLITION TAGS LOCATED WITHIN THE MIDDLE OF A SPACE REFER TO DEMOLITION OF ALL ITEMS OF THAT SAME TYPE WITHIN THAT ENTIRE SPACE.
2. DEMOLITION TAGS PLACED IMMEDIATELY ON OR ADJACENT TO A DASHED LINE INDICATING ITEM REMOVAL OR THAT HAVE 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. EXISTING WINDOW-MOUNTED A/C UNITS SHALL BE REMOVED AND STORED BY OWNER PRIOR TO START OF DEMOLITION WORK.

F. WHERE CEILINGS AND GRID ARE NOT SCHEDULED TO BE EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. CONTACT OWNER'S AGENT(S) IF ANY ARTWORK IS ENCOUNTERED PRIOR TO START OF DEMOLITION WORK. EXISTING WINDOW-MOUNTED A/C UNITS SHALL BE REMOVED AND STORED BY OWNER PRIOR TO START OF DEMOLITION WORK. WHERE CEILINGS AND GRID ARE NOT SCHEDULED TO BE REPLACED ON REFLECTED CEILING PLAN, CEILINGS AND GRID SHALL BE REMOVED, SALVAGED AND REINSTALLED AFTER SCHEDULED MECHANICAL, ELECTRICAL AND PLUMBING WORK IS COMPLETE. IF CEILINGS AND GRID ARE DAMAGED DURING REMOVAL, CEILINGS AND GRID SHALL BE REPLACED TO MATCH EXISTING.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

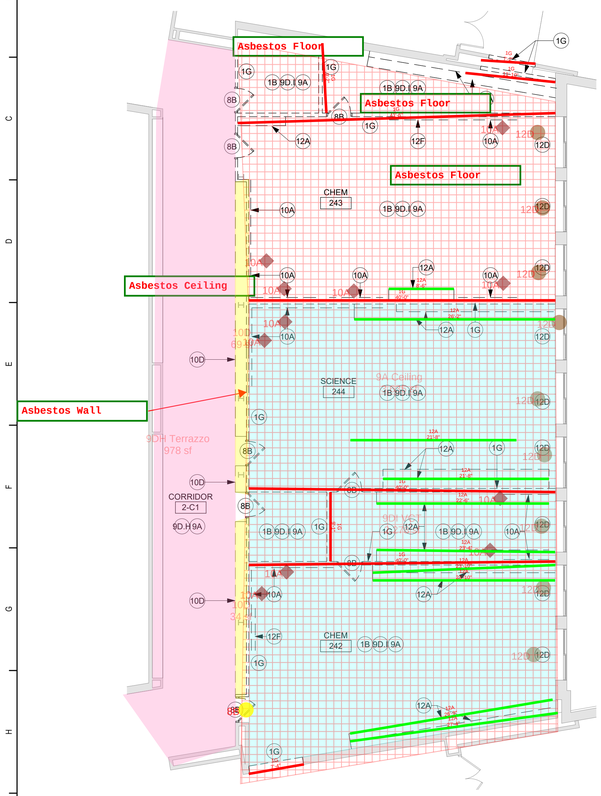
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

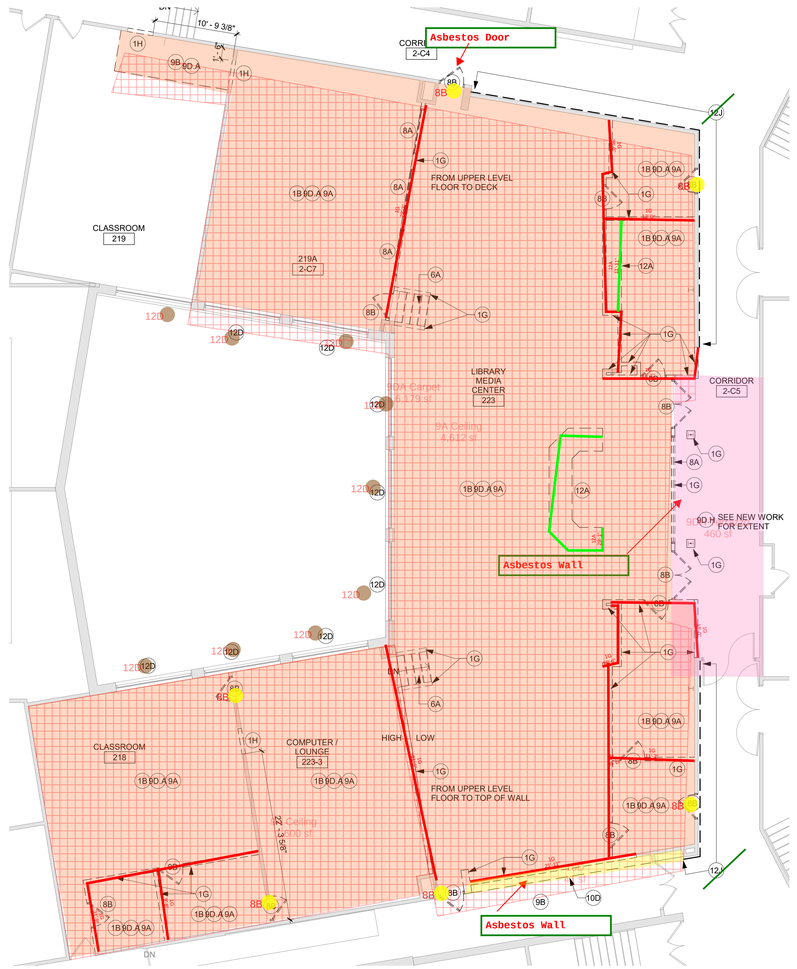
Demolition Partial Plans

Drawn By:	Date:	Drawing Number:
TS	8/21/20	AA100

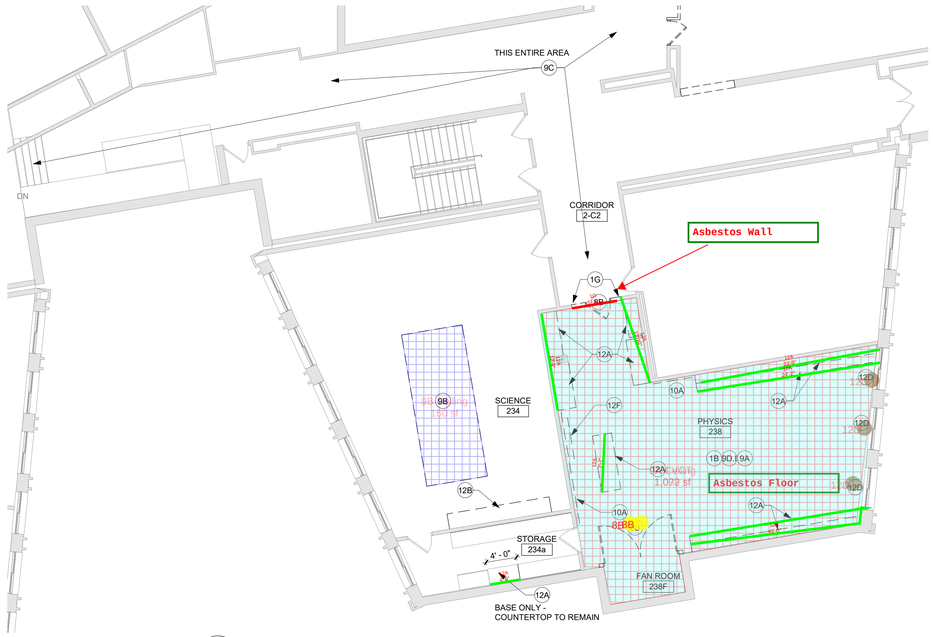
Project No.: 121111-19002



4 Second Floor - Science Suite South - Demolition Plan
1/8" = 1'-0"



1 Second Floor - LMC - Demolition Plan
1/8" = 1'-0"



3 Second Floor - Science Suite West - Demolition Plan
1/8" = 1'-0"

2 Second Floor - Science Suite East - Demolition Plan
1/8" = 1'-0"

Demolition Key Notes

- 1B WITHIN THIS SPACE: REMOVE ALL CONSTRUCTION IN ITS ENTIRETY, STRUCTURE TO REMAIN, TYPICAL UNO. REMOVE ALL FINISH MATERIALS OR OTHER ITEMS ATTACHED TO FACE OF WALLS SCHEDULED TO REMAIN, TYPICAL UNO. PERFORM ABATEMENT PRIOR TO DEMOLITION.
- 1G REMOVE INTERIOR PARTITION FULL-HEIGHT, PORTION AS INDICATED OR AS REQUIRED TO PERFORM SCHEDULED WORK. EXISTING STRUCTURE TO REMAIN.
- 1H SAW CUT OR ENLARGE EXISTING OPENING IN WALL TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. PROVIDE LINTEL PER LINTEL SCHEDULE. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES.
- 1J,K REMOVE FLOOR ASSEMBLY (INCLUDING FLOOR FINISH AND MASTIC), PORTION INDICATED OR REQUIRED TO PERFORM SCHEDULED WORK.

  SUFFIX KEY (EXG FLOOR FINISH IDENTIFICATIONS):
  - A. CARPET.
  - B. CERAMIC FLOOR TILE.
  - C. CONCRETE (NATURAL OR SEALED OR STAINED OR PAINTED FINISHES).
  - D. LINOLEUM, SHEET OR TILE.
  - E. PORCELAIN TILE.
  - F. POURED EPOXY.
  - G. RUBBER FLOORING.
  - H. TERRAZZO.
  - I. VAT/VCT.
  - J. VINYL, SHEET.
  - K. WOOD FLOORING.
- 1K REMOVE EXTERIOR SOFFIT FINISH CONSTRUCTION AND STRUCTURAL STEEL FRAMING IN ITS ENTIRETY.
- 1M REMOVE EXISTING EXPANSION JOINT COVER - PROTECT ADJACENT SURFACES FROM DAMAGE.
- 1N ARTWORK TO REMAIN - DO NOT DAMAGE. REMOVAL BY OWNER.
- 3A REMOVE CONCRETE STAIR SYSTEM. PREPARE SURFACES TO PERFORM SCHEDULED WORK.
- 3B REMOVE PORTION OF CONCRETE SLAB INDICATED OR REQUIRED TO PERFORM SCHEDULED WORK. 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-FRAMED [STAIR] [RAMP] SYSTEM. PREPARE SURFACES TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK.
- 6A REMOVE WOOD-FRAMED [STAIR] [RAMP] SYSTEM. PREPARE SURFACES TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK.
- 8A REMOVE WINDOW AND/OR STOREFRONT AND/OR CURTAIN WALL SYSTEM COMPLETELY. PREPARE OPENING TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES.
- 8B REMOVE DOOR AND FRAME COMPLETELY. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES.
- 8C REMOVE DOOR AND HARDWARE ONLY - EXISTING FRAME TO REMAIN. INSTALL METAL PLATES OVER HINGE CUTOUTS, AND FILL ALL VOIDS IN FRAME FLUSH. PATCH, PREPARE AND PAINT FRAME TO REMAIN.
- 8D REMOVE RAILINGS/STANCHION SYSTEM INCLUDING ANCHORS COMPLETELY
- 8E REMOVE OVERHEAD DOOR.
- 9A REMOVE CEILING SYSTEM AND/OR SOFFIT SYSTEM IN ITS ENTIRETY.
- 9B REMOVE PORTION OF CEILING SYSTEM AND/OR SOFFIT SYSTEM, TO EXTENT REQUIRED TO PERFORM NEW WORK. CAREFULLY TRIM CEILING GRID TO REMAIN. SALVAGE CEILING FOR REINSTALLATION WHERE ONLY REMOVED TO ACCOMMODATE MECHANICAL, ELECTRICAL AND PLUMBING WORK.
- 9C CAREFULLY REMOVE EXISTING CEILING AND CEILING GRID TO EXTENT REQUIRED TO PERFORM ROOF STRUCTURAL REINFORCING SCOPE. REFER TO STRUCTURAL DRAWINGS. REINSTALL REMOVED CEILING PANELS AND CEILING GRID. REPLACE DAMAGED CEILING TILES AND GRID TO MATCH EXISTING.

Demolition Key Notes, cont.

- 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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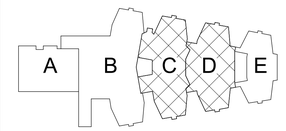
  - G. RUBBER FLOORING.
  - H. TERRAZZO.
  - I. VAT/VCT.
  - J. VINYL, SHEET.
  - K. WOOD FLOORING.
- 10A REMOVE TEACHING SURFACES INCLUDING MARKER BOARDS, TACK BOARDS AND CHALK BOARDS. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES.
- 10C REMOVE TOILET AND BATH ACCESSORIES. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK.
- 10D REMOVE LOCKERS AND LOCKER BASE COMPLETELY. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK.
- 10F REMOVE BENCHES (INCLUDING ALL ASSOCIATED COMPONENTS). PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK.
- 10H REMOVE SIGNAGE.
- 10J REMOVE OPERABLE PARTITION SYSTEM AND ASSOCIATED SOFFIT CONSTRUCTION IN ITS ENTIRETY.
- 11B REMOVE FOOD SERVICE EQUIPMENT IN ITS ENTIRETY. PROTECT AND DELIVER TO OWNER'S STORAGE LOCATION FOR THEIR RE-USE.
- 11C REMOVE FREEZER / COOLER EQUIPMENT IN ITS ENTIRETY. PROTECT AND DELIVER TO OWNER'S STORAGE LOCATION FOR THEIR RE-USE.
- 12A REMOVE CASEWORK, SHELVING AND EQUIPMENT IN ITS ENTIRETY. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES WHERE WALLS AER TO REMAIN. COORDINATE WITH CASEWORK DRAWINGS.
- 12B REMOVE COUNTERTOP ONLY. EXISTING BASE CABINETS TO REMAIN. SEE NEW SCHEDULED WORK.
- 12C REMOVE RECESSED FLOOR MAT AND FRAME. LEVEL SLAB WITH ADJACENT SLABS AT ALL AREAS OF FLOOR REMOVAL. INCLUDE CONCRETE FLOOR PATCHING AND LEVELING MATERIALS TO MAKE SURFACE LEVEL. PREPARE FOR FINISH.
- 12D REMOVE WINDOW TREATMENTS ONLY - WINDOW SYSTEM TO REMAIN.
- 12E REMOVE FUME HOOD, CABINET AND ASSOCIATED PIPING AND MECHANICAL ITEMS. SEE PLIMBING AND MECHANICAL DRAWINGS.
- 12F REMOVE, PROTECT AND TURN OVER TO OWNER FLAT PANEL DISPLAYS AND/OR SMARTBOARD DISPLAYS.
- 12G REMOVE WALL MOUNTED STORAGE CABINET.
- 12H REMOVE ADA DOOR OPERATOR PEDESTAL. SALVAGE OPERATOR CONTROL BUTTON FOR REINSTALLATION ON EXISTING WALL.
- 12J REMOVE WALL TILE FINISH BACK TO SUBSTRATE. PREPARE SURFACE FOR SCHEDULED FINISH.

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. EXISTING WINDOW-MOUNTED A/C UNITS SHALL BE REMOVED AND STORED BY OWNER PRIOR TO START OF DEMOLITION WORK.
- F. WHERE CEILINGS AND GRID ARE NOT SCHEDULED TO BE REPLACED ON REFLECTED CEILING PLAN, CEILINGS AND GRID SHALL BE REMOVED, SALVAGED AND REINSTALLED AFTER SCHEDULED MECHANICAL, ELECTRICAL AND PLUMBING WORK IS COMPLETE. IF CEILINGS AND GRID ARE DAMAGED DURING REMOVAL, CEILINGS AND GRID SHALL BE REPLACED TO MATCH EXISTING.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

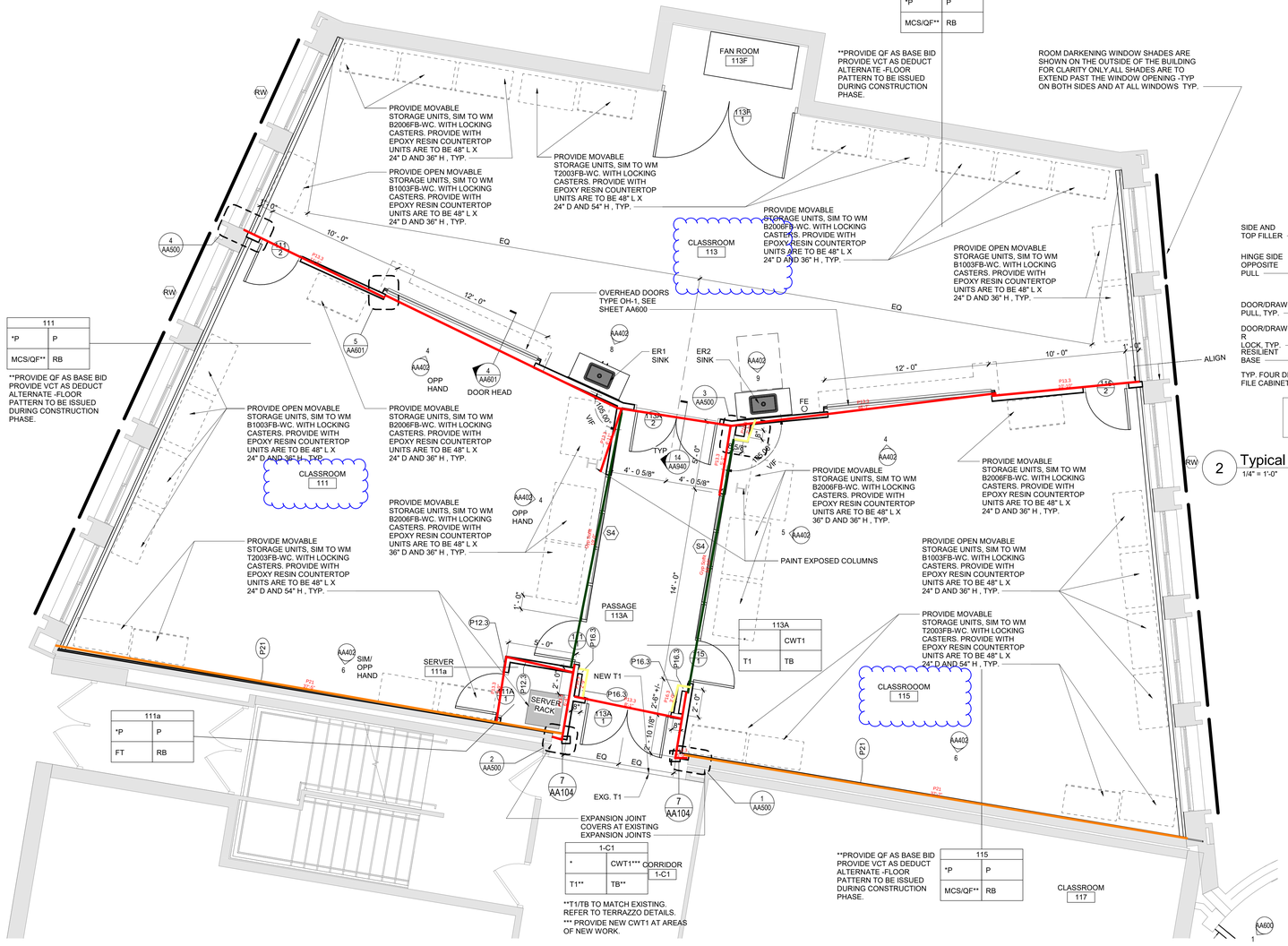
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

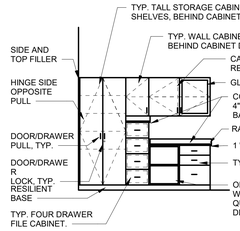
Demolition Partial Plans

Drawn By:	Date:	Drawing Number:
TS	8/21/20	AA101

Project No.:
121111-19002



1 First Floor Plan - STEM
1/4" = 1'-0"



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

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

Window Treatment Key

INDICATES AREAS OF ROOM DARKENING SHADES

INDICATES AREAS OF VINYL FILTERING SHADES

Window Treatment Notes

THIS DRAWING IS FOR LOCATION OF WINDOW TREATMENTS ONLY, SPECIFICATIONS SECTION AND ARCH. DRAWINGS FOR SIZES AND ADDITIONAL PRODUCT INFORMATION.

SHADE SIZES SHALL BE COORDINATED WITH WINDOWS, INCLUDING ALL RESCUE WINDOW REQUIREMENTS.

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 WOOD/METAL 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, FRONT, 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 EPOXY RESIN UNLESS NOTED OTHERWISE. BACKSPLASHES TO BE 4" HIGH, TYP. DO NOT PROVIDE BACKSPLASHES AT UV WALL UNLESS NOTED OTHERWISE. PROVIDE CAULK AT ALL JOINTS, 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 DETAILS.

I. PROVIDE COUNTERTOP CUT-OUTS FOR SINK , FAUCETS, AIR AND/OR GAS COCKS, COORDINATE WITH ALL REQUIRED CONTRACTORS.

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

K. PROVIDE THE FOLLOWING AT EACH SCIENCE ROOM:
- -FIRE BLANKET WITH STEEL CABINET
- -GOGGLE CABINET WITH GOGGLES
- -FIRST AID KIT WITH WALL KIT

REFER TO SPEC SECTION FOR MORE INFORMATION.

L. ALL SINKS AND ACCESSORIES ARE AS PER SPECIFICATION SECTION 22 42 16.16 WITH THE EXCEPTION OF EPOXY RESIN SINKS. EPOXY RESIN SINK SIZES ARE AS FOLLOWS: (ID)
- TYPE "ER1"- 24" X 16" X 6"
- TYPE "ER2"- 24" X 16" X 4" ADA
- TYPE "ER3"- 16" X 8" X 7"
- TYPE "ER4"- 16" X 8" X 5" ADA

M. PROVIDE AT ALL UV SHELVING LOCATIONS-REMOVABLE BACKS IN CABINETS AT PLUMBING AND FIN TUBE VALVE LOCATIONS. VERIFY POSITIONS OF VALVES PRIOR TO SHOP FABRICATION OF ALL CABINETS.

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

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

P. 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.

Q. 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.

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

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

T. 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.

U. PROVIDE REMOVABLE BACK PANELS AT ALL SINK BASE CABINETS, INCLUDING ADA FUMEHOODS, EYEWASHAND SAFETY STATIONS.

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

W. REFER TO SPECIFICATION SECTION 01 23 00 FOR ADDITIONAL INFORMATION REGARDING CASEWORK ALTERNATES.

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 [P13.3], 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.

Room Finish Key

C1	CARPET - TYPE 1
C2	CARPET - TYPE 2
C3	CARPET - TYPE 3
CFT1	CERAMIC FLOOR TILE - TYPE 1
CT	CERAMIC TILE COVE BASE
CWT1	CERAMIC WALL TILE - TYPE 1
CWT2	CERAMIC WALL TILE - TYPE 2
FT	FLOOR TREATMENT (PER SPEC. 09 61 00)
HPC	HIGH PERFORMANCE COATING
LVT	LUXURY VINYL TILE
MCS	MOISTURE CONTROL SYSTEM
N	NO WORK REQUIRED
P	PAINT SURFACE(S) INCLUDING SOFFITS
PS	PAINT EXPOSED STRUCTURE/DECK
PT1	PORCELAIN TILE - TYPE 1
QF	QUARTZ FLOORING (PER SPEC. SECT. 09 67 23)
QT	QUARRY TILE
RF1	RUBBER FLOORING -TYPE 1
RS	RUBBER STAIR TREAD AND RISERS
RB	RUBBER BASE
SC	SEALED CONCRETE (PER SPEC. SECT. 03 30 00)
T1	TERRAZZO - TYPE 1 - POURED EPOXY
TB	TERRAZZO BASE - PRECAST
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

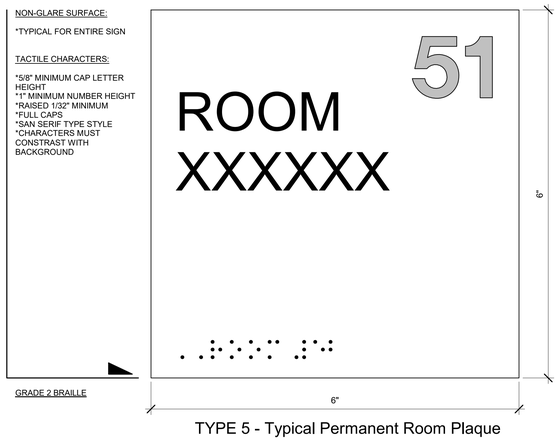
FINISHES SHOWN IN ROOM FINISH BOX ARE FOR ALL WALLS AND ENTIRE FLOOR AND CEILING REFER TO EACH ROOM FOR MORE INFORMATION.

RM#	
CLG*	WALL
FLR	BASE

Key Plan
N.T.S.

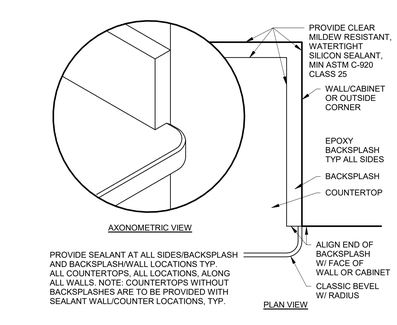
S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

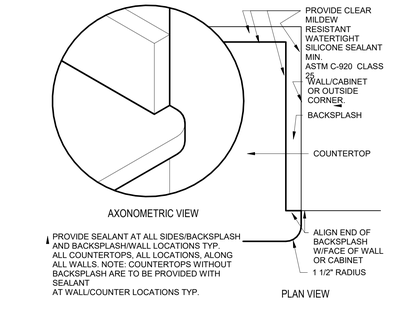


TYPE 5 - Typical Permanent Room Plaque

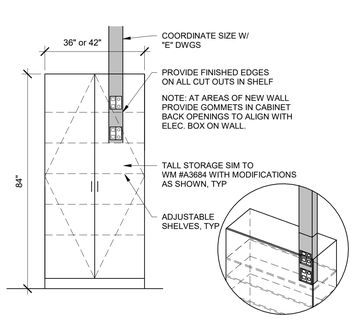
6 Typical Room Plaque
12" = 1'-0"



5 Epoxy Resin Countertop Edge
3" = 1'-0"



4 Solid Surface Countertop Edge
3" = 1'-0"



3 Tall Storage/Equipment Unit
1/2" = 1'-0"

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BID SET

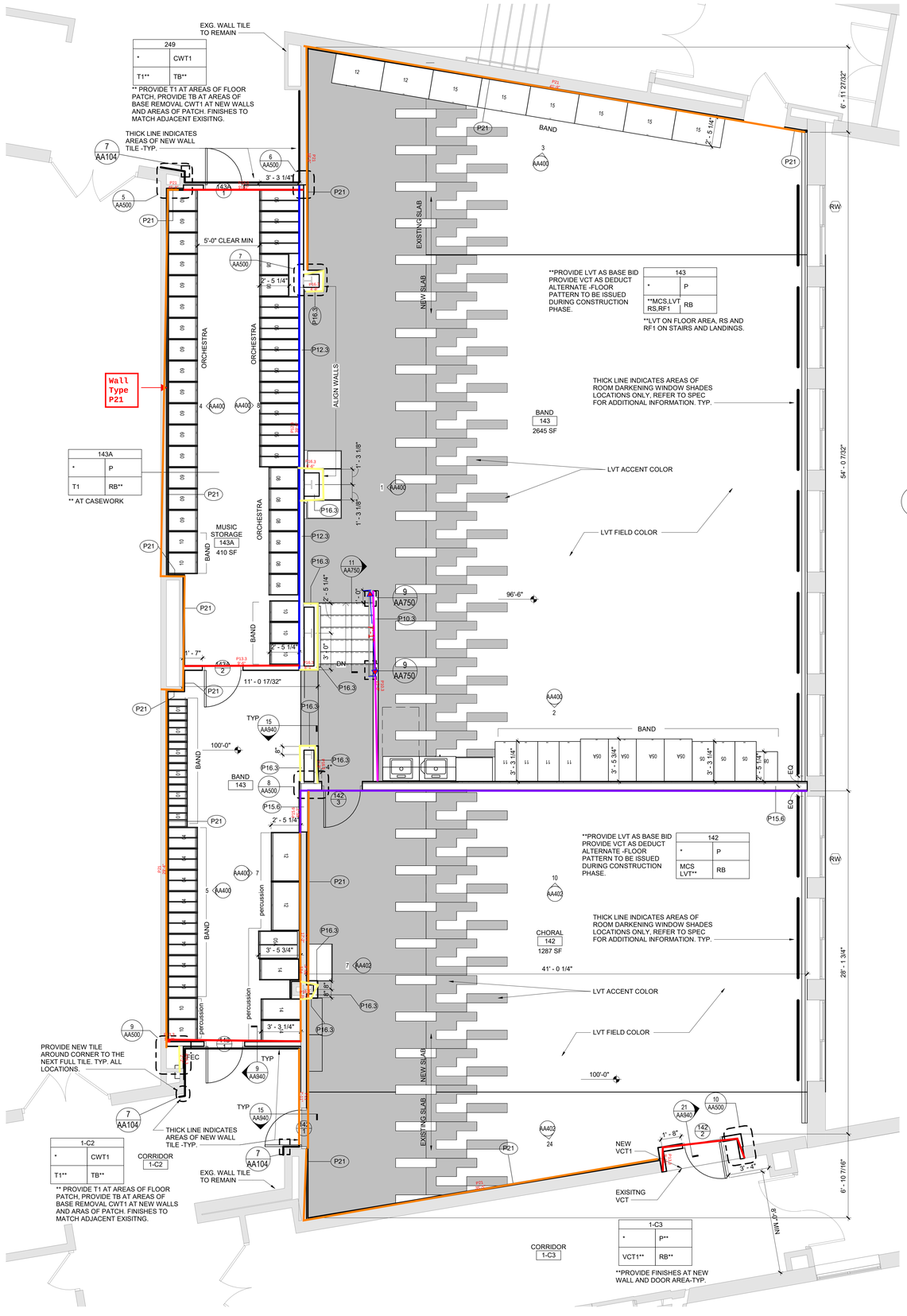
TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

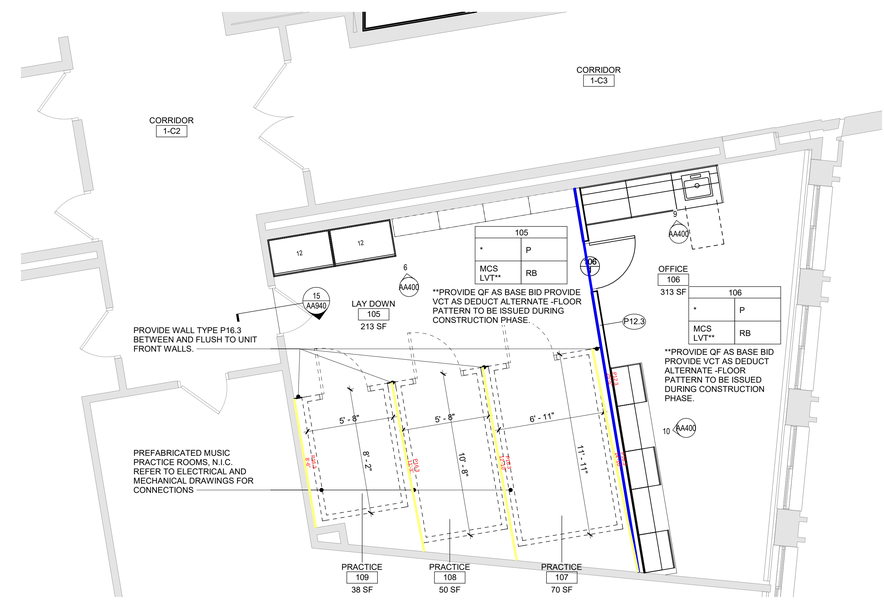
Reconstruction To:
Mahopac High School

First Floor Plan - STEM

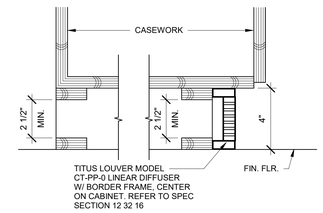
Drawn By:	Date:	Drawing Number:
TS	8/21/20	AA102
Project No.: 121111-19002		



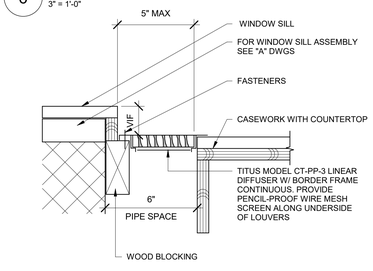
1 First Floor Plan - Music Suite - Choral and Band
1/4" = 1'-0"



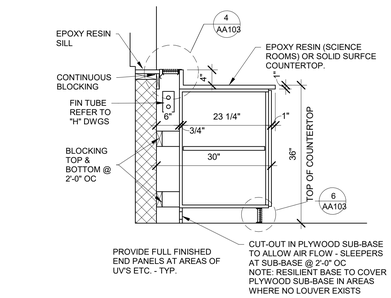
2 First Floor Plan - Music Suite - Practice and Office
1/4" = 1'-0"



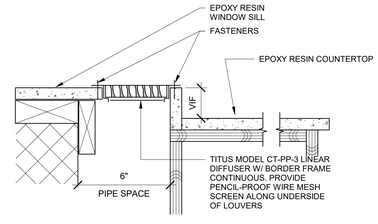
6 Casework Base Detail
3" = 1'-0"



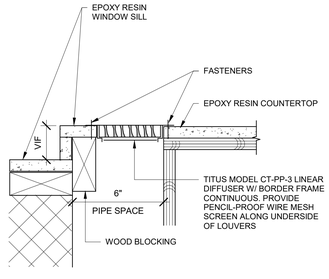
7 Grille Detail
3" = 1'-0"



3 Typical Casework Section
3/4" = 1'-0"



4 Grille Detail
3" = 1'-0"



5 Grille Detail
3" = 1'-0"

Window Treatment Key

INDICATES AREAS OF ROOM DARKENING SHADES

INDICATES AREAS OF VINYL FILTERING SHADES

Window Treatment Notes

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SHADE SIZES SHALL BE COORDINATED WITH WINDOWS, INCLUDING ALL RESCUE WINDOW REQUIREMENTS.

General Plan Notes

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D. PROVIDE BRACING WITHIN CHASES AS FOLLOWS:

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

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Room Finish Key

C1	CARPET - TYPE 1
C2	CARPET - TYPE 2
C3	CARPET - TYPE 3
CFT1	CERAMIC FLOOR TILE - TYPE 1
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CWT1	CERAMIC WALL TILE - TYPE 1
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HPC	HIGH PERFORMANCE COATING
LVT	LUXURY VINYL TILE
MCS	MOISTURE CONTROL SYSTEM
N	NO WORK REQUIRED
P	PAINT SURFACE(S) INCLUDING SOFFITS
PS	PAINT EXPOSED STRUCTURE/DECK
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QT	QUARRY TILE
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VCT1	VINYL COMPOSITION TILE - TYPE 1

* SEE REFLECTED CEILING PLAN

INDICATED CHANGE IN FLOOR FINISH

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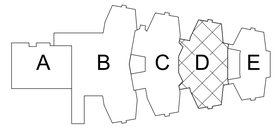
FINISHES SHOWN IN ROOM FINISH BOX ARE FOR ALL WALLS AND ENTIRE FLOOR AND CEILING REFER TO EACH ROOM FOR MORE INFORMATION.

RM#	
CLG*	WALL
FLR	BASE



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

BID SET

TETRA TECH ARCHITECTS & ENGINEERS

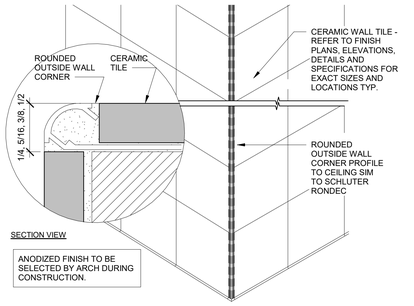
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

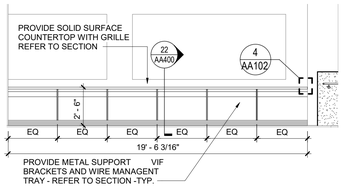
First Floor Plan - Music Suite

Drawn By:	Date:	Drawing Number:
TS	8/21/20	AA103

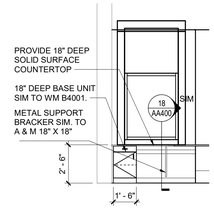
Project No.: 121111-19002



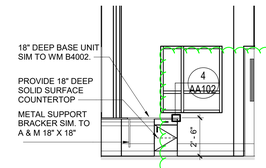
7 Outside Corner/Rounded Profile
3" = 1'-0"



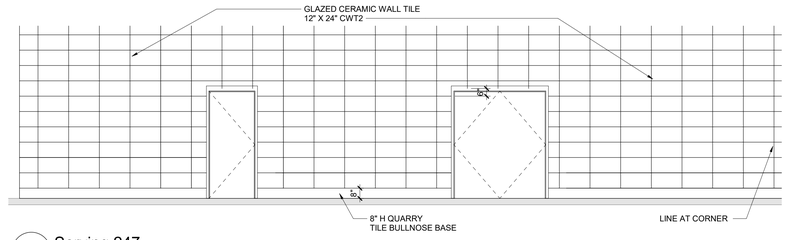
6 Computer/Lounge 223-3
1/4" = 1'-0"



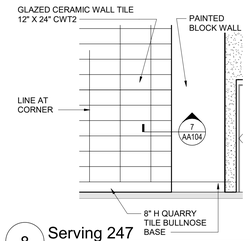
5 Security S101
1/4" = 1'-0"



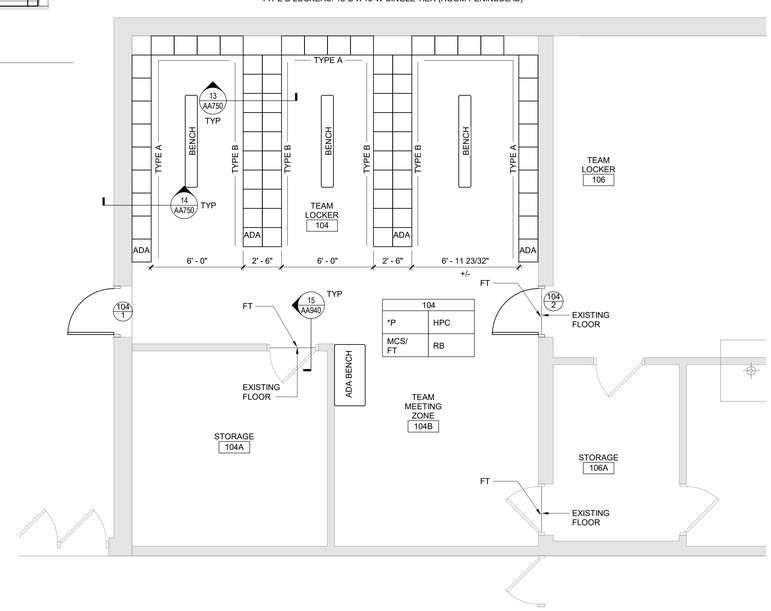
4 Security S101
1/4" = 1'-0"



9 Serving 247
1/4" = 1'-0"

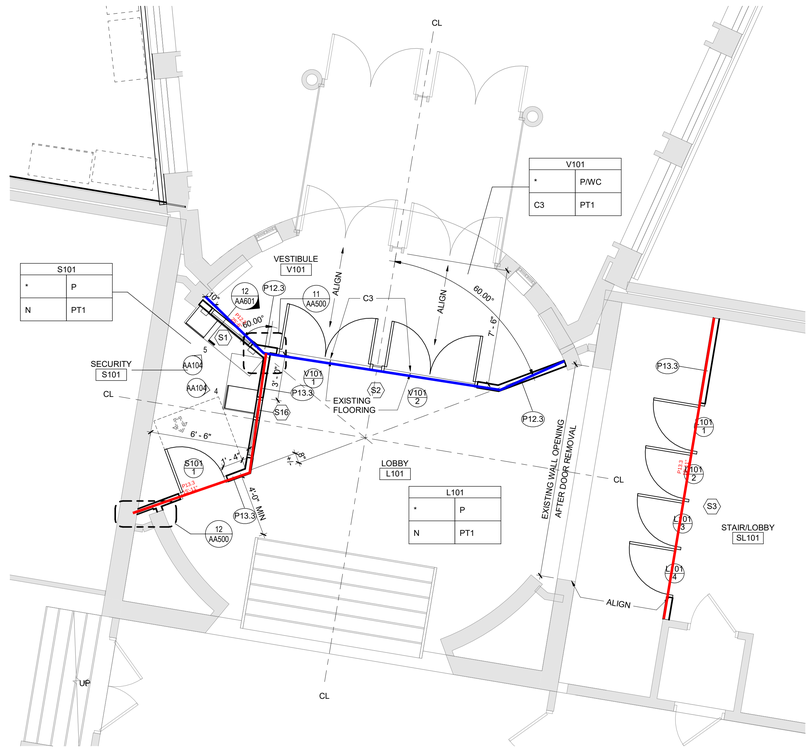


8 Serving 247
1/4" = 1'-0"



1 First Floor Plan - Locker Room
1/4" = 1'-0"

3 Basement - Cafeteria & Serving - Construction Plan
1/4" = 1'-0"



2 First Floor Plan - Main Entrance
1/4" = 1'-0"

Window Treatment Key

INDICATES AREAS OF ROOM DARKENING SHADES

INDICATES AREAS OF VINYL FILTERING SHADES

Window Treatment Notes

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General Plan Notes

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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.

Room Finish Key

C1	CARPET - TYPE 1
C2	CARPET - TYPE 2
C3	CARPET - TYPE 3
CFT1	CERAMIC FLOOR TILE - TYPE 1
CT	CERAMIC TILE COVE BASE
CWT1	CERAMIC WALL TILE - TYPE 1
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PS	PAINT EXPOSED STRUCTURE/DECK
PT1	PORCELAIN TILE - TYPE 1
QF	QUARTZ FLOORING (PER SPEC. SECT. 09 67 23)
QT	QUARRY TILE
RF1	RUBBER FLOORING - TYPE 1
RS	RUBBER STAIR TREAD AND RISERS
RB	RUBBER BASE
SC	SEALED CONCRETE (PER SPEC. SECT. 03 30 00)
T1	TERRAZZO - TYPE 1 - POURED EPOXY
TB	TERRAZZO BASE - PRECAST
VCT1	VINYL COMPOSITION TILE - TYPE 1

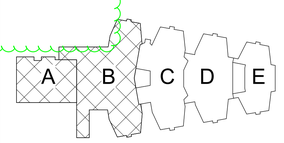
* SEE REFLECTED CEILING PLAN

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



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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BID SET

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

TETRA TECH ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

First Floor Plan - Main Entrance, Serving Area and Locker Room

Drawn By:	Date:	Drawing Number:
TS	8/21/20	AA104
Project No.:		
121111-19002		

LIBRARY SHELVING SCHEDULE

A	WORDEN	SHELVING - SINGLE UNITS	36"W X 63" H X 14" D	PROVIDE WILL SOLID SURFACE TOPS
B	WORDEN	SHELVING - SINGLE UNITS	36"W X 42" H X 14" D	PROVIDE WILL SOLID SURFACE TOPS
C	WORDEN	SHELVING - DOUBLE UNITS	36"W X 42" H X 24" D	PROVIDE WILL SOLID SURFACE TOPS
D	WORDEN	SHELVING - SINGLE UNITS	36"W X 30" H X 24" D	PROVIDE WILL SOLID SURFACE TOPS

REFER TO DRAWING AA106 FOR LIBRARY SHELVING NOTES.
REFER TO DRAWING AA106 FOR SHELVING TOP DETAIL.

Window Treatment Key

INDICATES AREAS OF ROOM DARKENING SHADES

INDICATES AREAS OF VINYL FILTERING SHADES

Window Treatment Notes

THIS DRAWING IS FOR LOCATION OF WINDOW TREATMENTS ONLY, SPECIFICATIONS SECTION AND ARCH. DRAWINGS FOR SIZES AND ADDITIONAL PRODUCT INFORMATION.

SHADE SIZES SHALL BE COORDINATED WITH WINDOWS, INCLUDING ALL RESCUE WINDOW REQUIREMENTS.

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 [P13.3], 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.

Room Finish Key

C1	CARPET - TYPE 1
C2	CARPET - TYPE 2
C3	CARPET - TYPE 3
CFT1	CERAMIC FLOOR TILE - TYPE 1
CT	CERAMIC TILE COVE BASE
CWT1	CERAMIC WALL TILE - TYPE 1
CWT2	CERAMIC WALL TILE - TYPE 2
FT	FLOOR TREATMENT (PER SPEC. 09 61 00)
HPC	HIGH PERFORMANCE COATING
LVT	LUXURY VINYL TILE
MCS	MOISTURE CONTROL SYSTEM
N	NO WORK REQUIRED
P	PAINT SURFACE(S) INCLUDING SOFFITS
PS	PAINT EXPOSED STRUCTURE/DECK
PT1	PORCELAIN TILE - TYPE 1
QF	QUARTZ FLOORING (PER SPEC. SECT. 09 67 23)
QT	QUARRY TILE
RF1	RUBBER FLOORING -TYPE 1
RS	RUBBER STAIR TREAD AND RISERS
RB	RUBBER BASE
SC	SEALED CONCRETE (PER SPEC. SECT. 03 30 00)
T1	TERRAZZO - TYPE 1 - POURED EPOXY
TB	TERRAZZO BASE - PRECAST
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

1 Second Floor Plan - Science Suite South
1/4" = 1'-0"

2 Second Floor Plan - Library Media Center
3/16" = 1'-0"

A B C D E

Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

BID SET

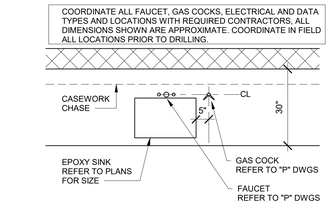
TETRA TECH ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

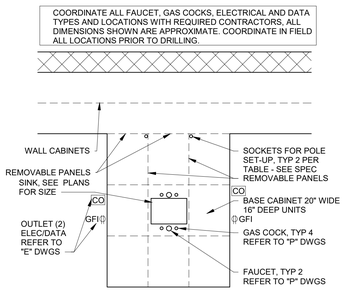
Reconstruction To:
Mahopac High School

Second Floor Plan - Library Media Center and Science Suite

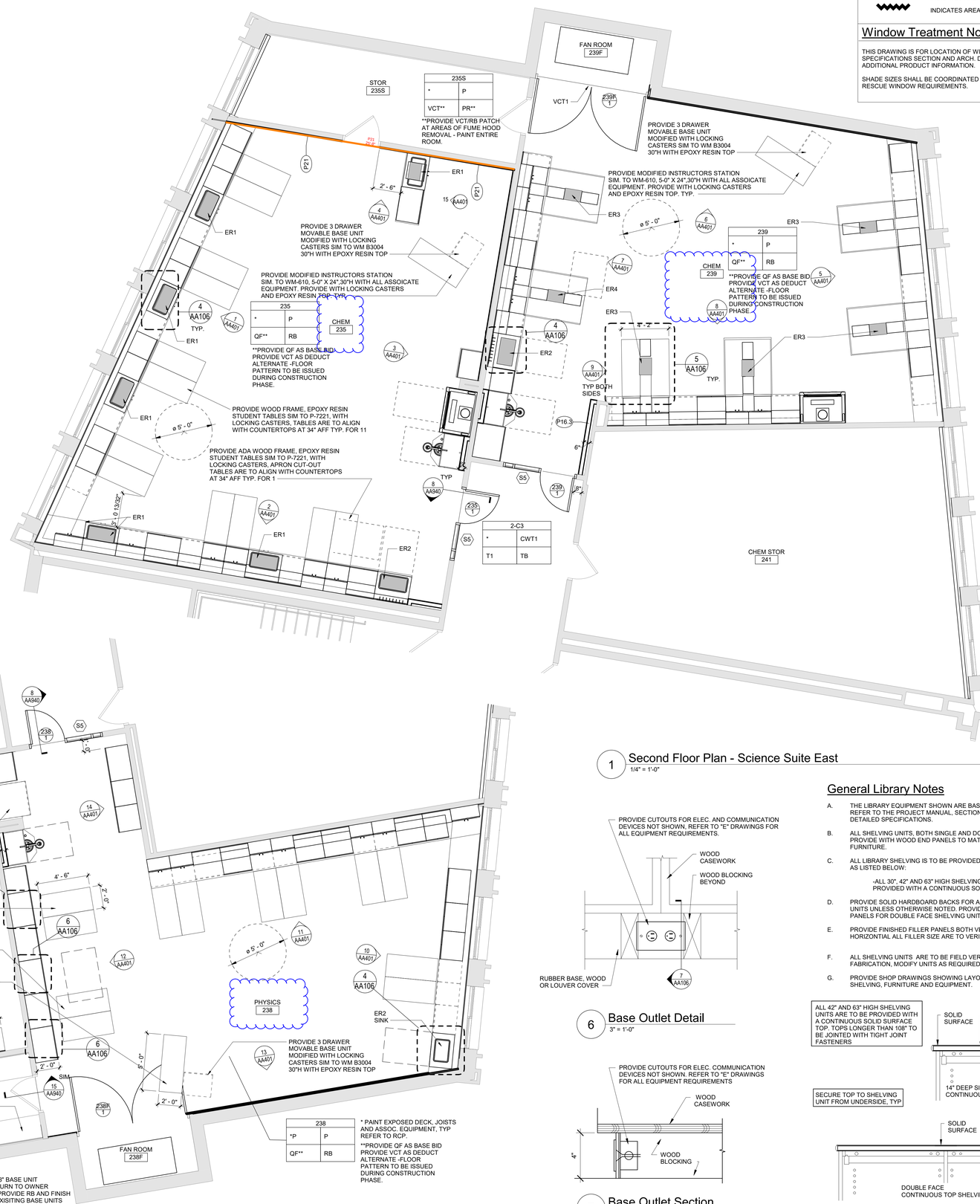
Drawn By:	Date:	Drawing Number:
TS	8/21/20	AA105
Project No.:		
121111-19002		



4 Sink Lab Layout
1/2" = 1'-0"



5 Lab Station Layout
1/2" = 1'-0"



2 Second Floor Plan - Science Suite West
1/4" = 1'-0"

1 Second Floor Plan - Science Suite East
1/4" = 1'-0"

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

7 Base Outlet Section
3" = 1'-0"

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 TO MATCH SERIES LIBRARY FURNITURE.

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 TOPS.

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 HORIZONTIAL 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.

3 Typical Solid Surface Shelving Top Detail
3/4" = 1'-0"

Window Treatment Key

INDICATES AREAS OF ROOM DARKENING SHADES

INDICATES AREAS OF VINYL FILTERING SHADES

Window Treatment Notes

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General Plan Notes

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

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

Room Finish Key

C1	CARPET - TYPE 1
C2	CARPET - TYPE 2
C3	CARPET - TYPE 3
CFT1	CERAMIC FLOOR TILE - TYPE 1
CT	CERAMIC TILE COVE BASE
CWT1	CERAMIC WALL TILE - TYPE 1
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FT	FLOOR TREATMENT (PER SPEC. 09 61 00)
HPC	HIGH PERFORMANCE COATING
LVT	LUXURY VINYL TILE
MCS	MOISTURE CONTROL SYSTEM
N	NO WORK REQUIRED
P	PAINT SURFACE(S) INCLUDING SOFFITS
PS	PAINT EXPOSED STRUCTURE/DECK
PT1	PORCELAIN TILE - TYPE 1
QF	QUARTZ FLOORING (PER SPEC. SECT. 09 67 23)
QT	QUARRY TILE
RF1	RUBBER FLOORING -TYPE 1
RS	RUBBER STAIR TREAD AND RISERS
RB	RUBBER BASE
SC	SEALED CONCRETE (PER SPEC. SECT. 03 30 00)
T1	TERRAZZO - TYPE 1 - POURED EPOXY
TB	TERRAZZO BASE - PRECAST
VCT1	VINYL COMPOSITION TILE - TYPE 1

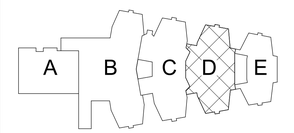
* SEE REFLECTED CEILING PLAN

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



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

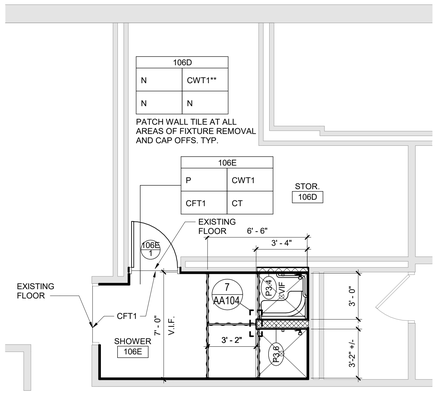
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Second Floor Plans - Science Suite

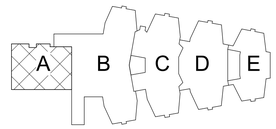
Drawn By:	Date:	Drawing Number:
TS	8/21/20	AA106

Project No.: 121111-19002



1 First Floor Plan - Shower and Storage Rooms
1/4" = 1'-0"

2 Basement Partial Classoom Plan
1/4" = 1'-0"



Key Plan
N.T.S.

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S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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TETRA TECH
ARCHITECTS & ENGINEERS

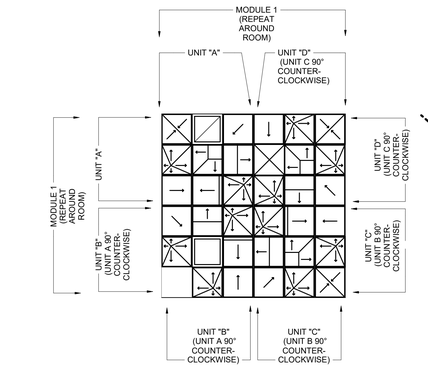
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

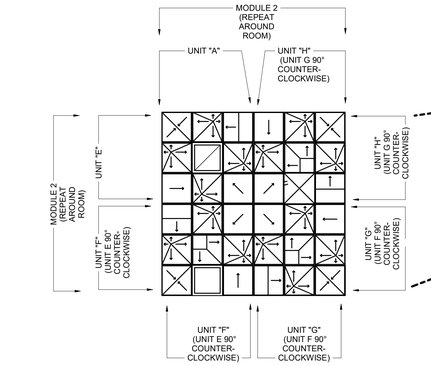
First Floor Plan - Shower Room

Drawn By:	Date:	Drawing Number:
TS	8/21/20	AA107

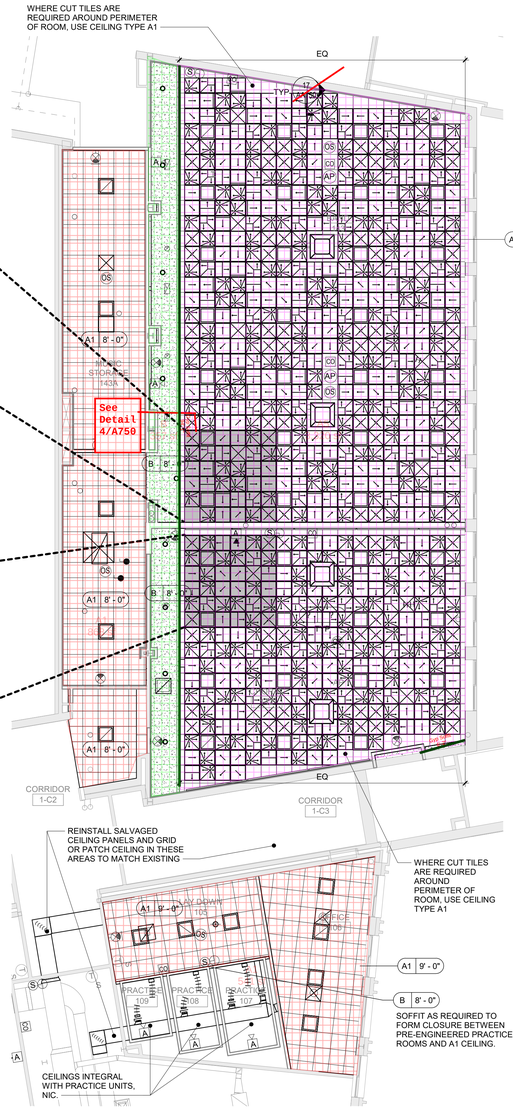
Project No.:
121111-19002



6 Band Ceiling Detail
1/4" = 1'-0"



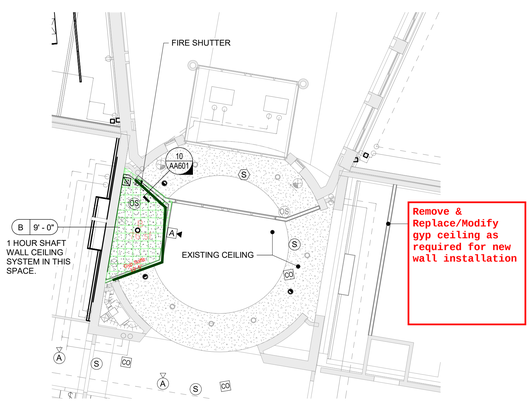
7 Choral Ceiling Detail
1/4" = 1'-0"



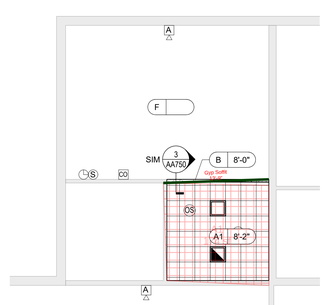
5 1st Floor - Music Suite - Reflected Ceiling Plan
1/8" = 1'-0"

1 1st Floor - STEM - Reflected Ceiling Plan
1/8" = 1'-0"

2 Basement - Cafeteria & Kitchen - Reflected Ceiling Pan
1/8" = 1'-0"



4 1st Floor - Main Entrance - Reflected Ceiling Plan
1/8" = 1'-0"



3 1st Floor - Locker Room - Reflected Ceiling Plan
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.

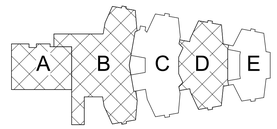
E. PROVIDE CONTROL JOINTS IN GYPSUM BOARD CEILINGS AND SOFFITS AS DETAILED ON DRAWINGS (MAXIMUM 20'-0" OC, EVENLY SPACED, TYP UNO).

F. PATCH CEILING SYSTEMS TO REMAIN THAT HAVE BEEN DISTURBED BY SCHEDULED WORK TO MATCH ADJACENT ONSTRUCTION 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"	METAL PANEL CEILING
A3	X'-X"	~~WOOD SLAT CEILING~~ Metal Slat Ceiling
A4	X'-X"	ACOUSTIC PANEL CEILING - KITCHEN
A5	X'-X"	Sound Absorbing Ceiling Units - Music Suite
B	X'-X"	PAINTED 1/2" GYPSUM CEILING ON SUPPORT MATERIALS (GRID SUSPENSION SYSTEM, TYP UNO)
E	X'-X"	PAINTED EXPOSED STEEL SECTION OR LINTEL
F	X'-X"	PAINTED EXPOSED STRUCTURAL SYSTEM, SUPPORT MATERIALS AND FASTENERS, MECHANICAL SYSTEM, ELECTRICAL ITEMS AND PIPING
G	X'-X"	UNPAINTED EXPOSED STRUCTURAL SYSTEM, SUPPORT MATERIALS AND FASTENERS, MECHANICAL SYSTEM, ELECTRICAL ITEMS AND PIPING



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

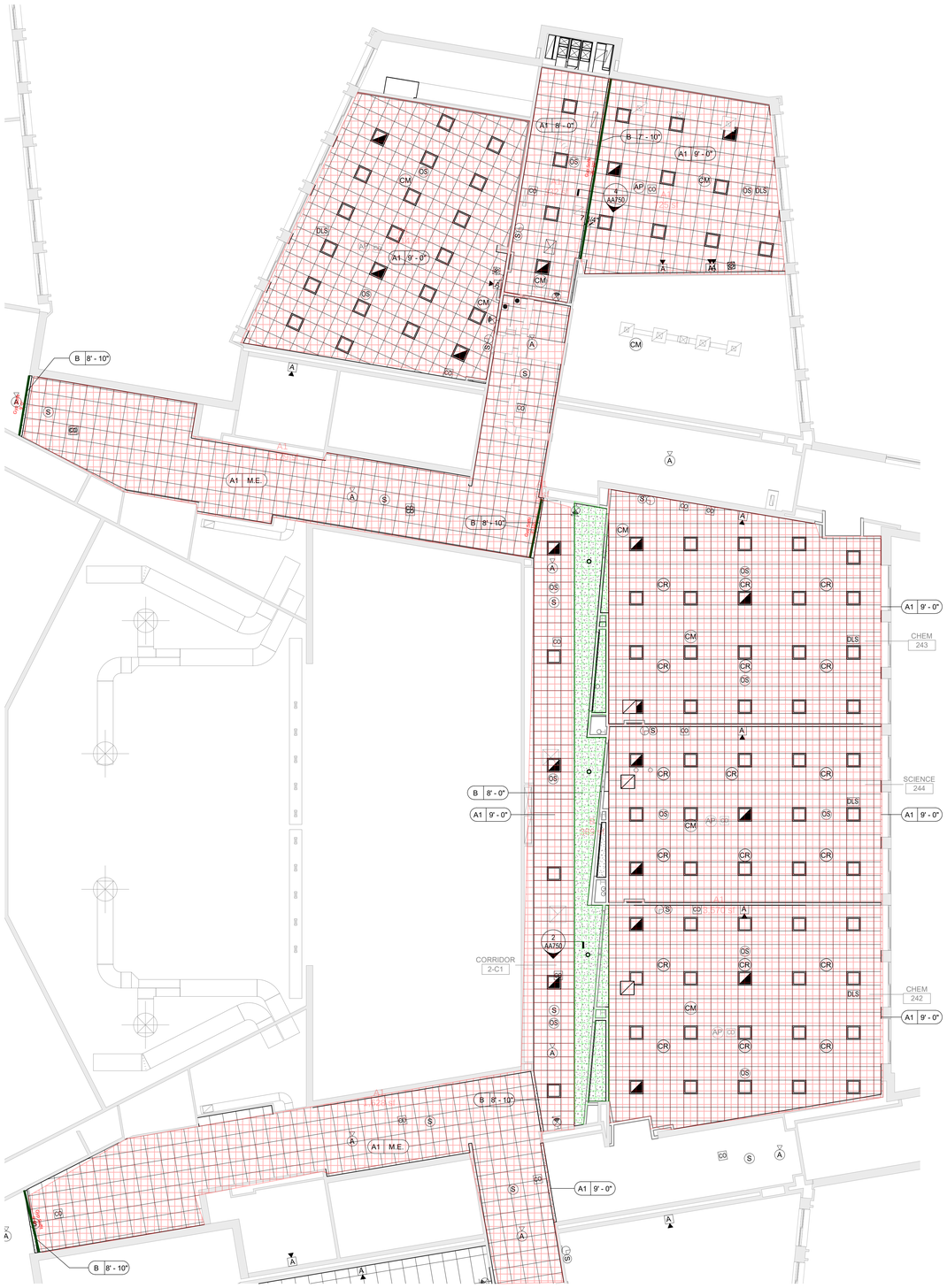
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Reflected Ceiling Partial Plans

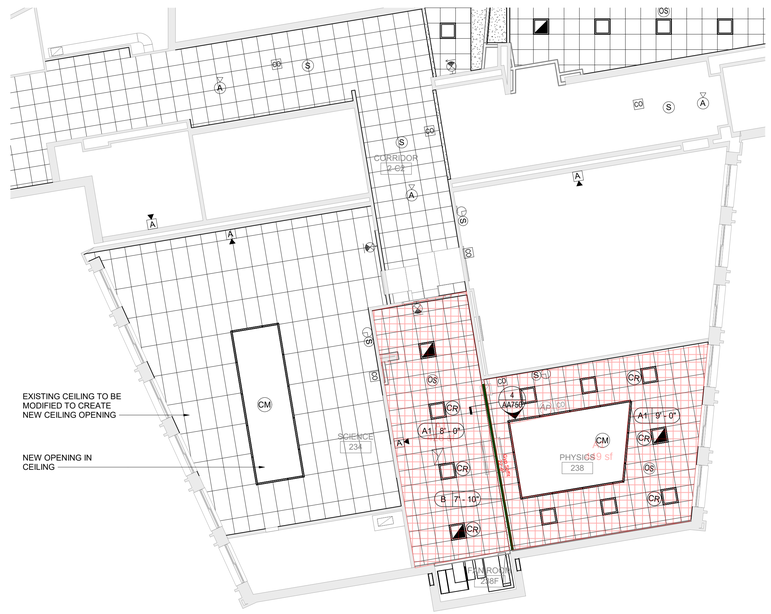
Drawn By:	Date:	Drawing Number:
TS	8/21/20	AA160

Project No.: 121111-19002



3 2nd Floor - Science Suite South - Reflected Ceiling Plan
1/8" = 1'-0"

1 2nd Floor - LMC - Reflected Ceiling Plan
1/8" = 1'-0"



4 2nd Floor - Science Suite West - Reflected Ceiling Plan
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.

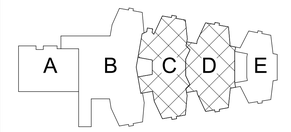
E. PROVIDE CONTROL JOINTS IN GYPSUM BOARD CEILINGS AND SOFFITS AS DETAILED ON DRAWINGS (MAXIMUM 20'-0" OC, EVENLY SPACED, TYP UNO).

F. PATCH CEILING SYSTEMS TO REMAIN THAT HAVE BEEN DISTURBED BY SCHEDULED WORK TO MATCH ADJACENT ONSTRUCTION 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"	METAL PANEL CEILING
A3	X'-X"	Metal Slat Ceiling
A4	X'-X"	ACOUSTIC PANEL CEILING - KITCHEN
A5	X'-X"	Sound Absorbing Ceiling Units - Music Suite
B	X'-X"	PAINTED 1/2" GYPSUM CEILING ON SUPPORT MATERIALS (GRID SUSPENSION SYSTEM, TYP UNO)
E	X'-X"	PAINTED EXPOSED STEEL SECTION OR LINTEL
F	X'-X"	PAINTED EXPOSED STRUCTURAL SYSTEM, SUPPORT MATERIALS AND FASTENERS, MECHANICAL SYSTEM, ELECTRICAL ITEMS AND PIPING
G	X'-X"	UNPAINTED EXPOSED STRUCTURAL SYSTEM, SUPPORT MATERIALS AND FASTENERS, MECHANICAL SYSTEM, ELECTRICAL ITEMS AND PIPING



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

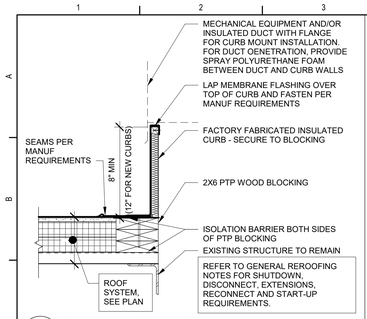
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

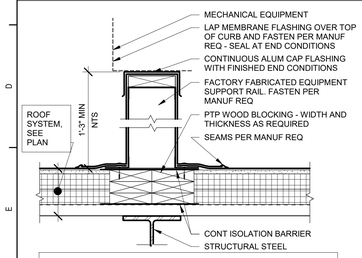
Reflected Ceiling Partial Plans

Drawn By:	Date:	Drawing Number:
TS	8/21/20	AA161

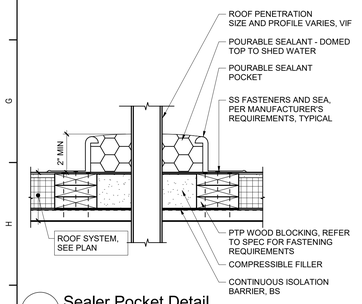
Project No.: 121111-19002



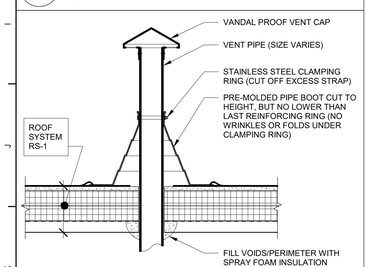
3 Equipment Curb Detail
1 1/2" = 1'-0"



4 Equipment Support Rail Detail
1 1/2" = 1'-0"



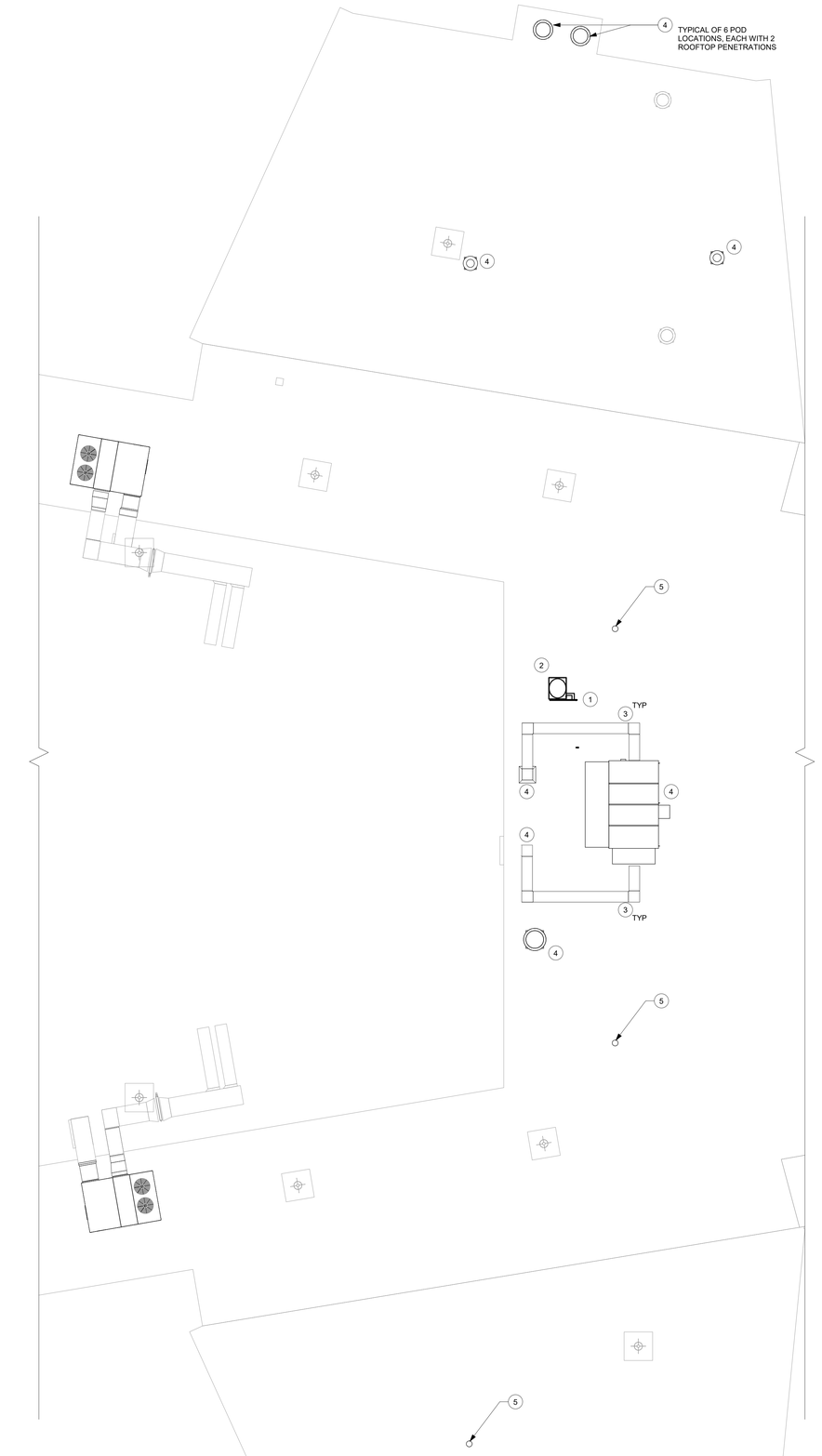
5 Sealer Pocket Detail
1 1/2" = 1'-0"



NOTE: PENETRATIONS THROUGH EXISTING ROOFS - FLASHING INTO EXISTING ROOF SYSTEM AND PATCH TO MATCH AS REQUIRED BY ROOF SYSTEM MANUFACTURER. EXTEND EXISTING VENT PIPE AS REQUIRED.

6 Roof Vent Pipe Detail
1 1/2" = 1'-0"

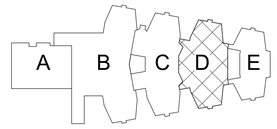
2 Roof Plan
1/8" = 1'-0"



1 Roof Plan
1/8" = 1'-0"

Roof Key Notes

1. PENETRATION WITH SEALANT POCKET. SEE DETAIL 4/AA190.
2. MECHANICAL EQUIPMENT AS SHOWN ON 'MECH' DRAWINGS. REMOVE EXISTING ROOFING SYSTEM TO DECK AND INSTALL SUPPORT RAILS AND FLASH INTO ROOF SYSTEM. SEE DETAIL 3/AA190.
3. DUCT OVER ROOF ON SUPPORT LEGS. PROVIDE SUPPORT RAILS AND ANCHOR LEGS TO SUPPORT RAILS. COORDINATE WITH 'MECH' SERIES DRAWINGS.
4. MECHANICAL EQUIPMENT ON CURB. SEE DETAIL 2/AA190.
5. VENT THROUGH ROOF. SEE DETAIL 6/AA190.



Key Plan
N.T.S.

N

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

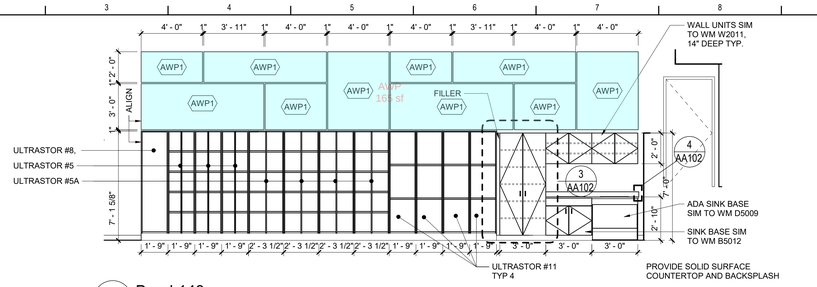
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

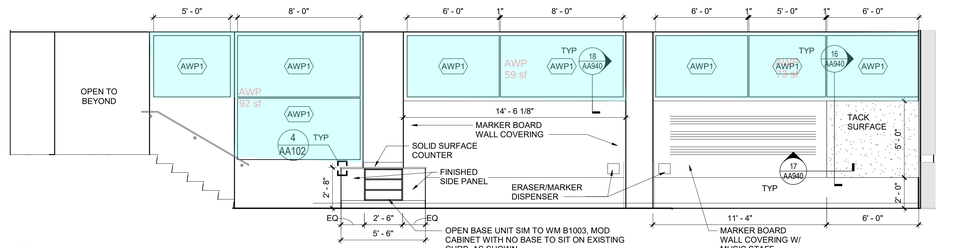
Roof Plan and Details

Drawn By:	Date:	Drawing Number:
TS	8/21/20	AA190

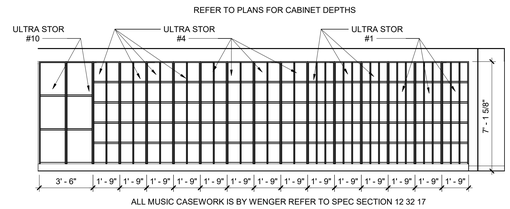
Project No.:
121111-19002



2 Band 143
1/4" = 1'-0"



1 Band 143
1/4" = 1'-0"



5 Band 143
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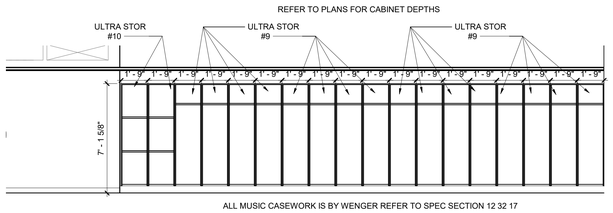
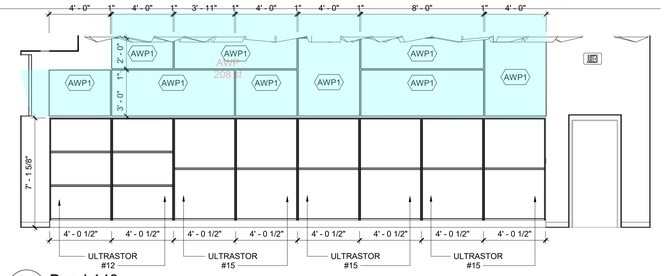
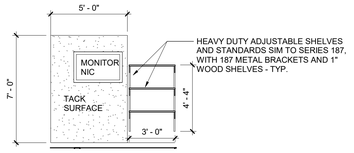


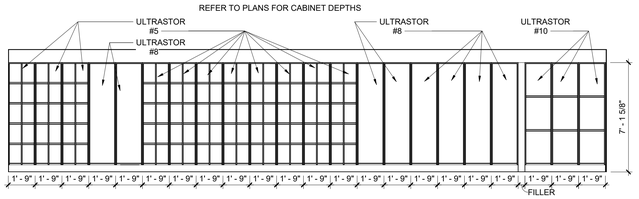
4 Music Storage 143A
1/4" = 1'-0"



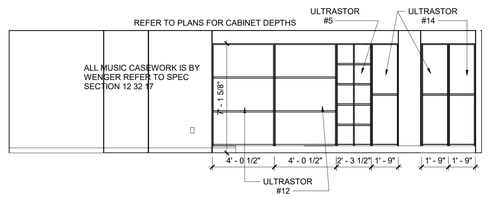
3 Band 143
1/4" = 1'-0"



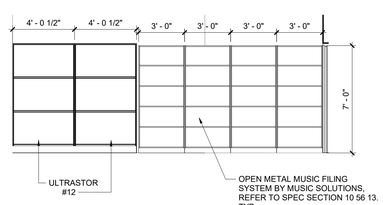
8A Typ. Display Alcove 244A
1/4" = 1'-0"
243A AND 242A SIM.



8 Music Storage 143A
1/4" = 1'-0"

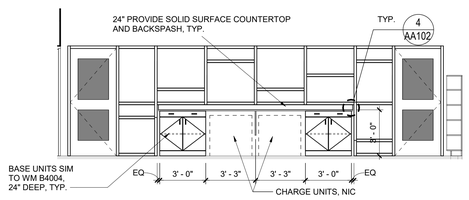


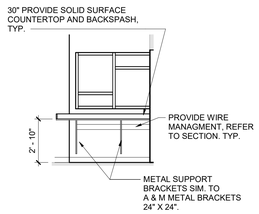
7 Band 143
1/4" = 1'-0"

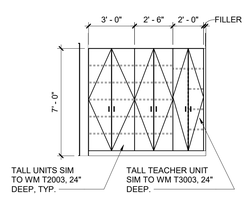


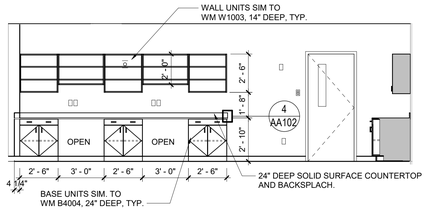
6 Lay Down 105
1/4" = 1'-0"

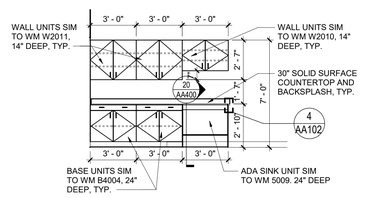
REFER TO DRAWING AA102 FOR GENERAL WOOD CASEWORK NOTES
REFER TO DRAWING AA940 FOR GENERAL FINISH NOTES



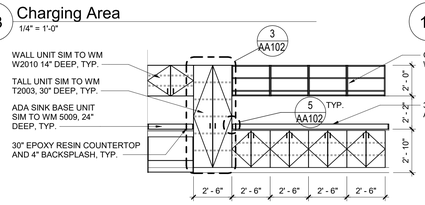




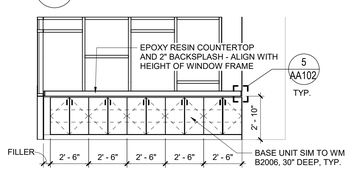




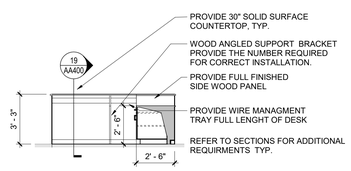
13 Charging Area
1/4" = 1'-0"



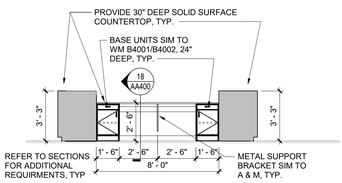
12 Office 223-2
1/4" = 1'-0"



11 Office 223-2
1/4" = 1'-0"



10 Office 106
1/4" = 1'-0"



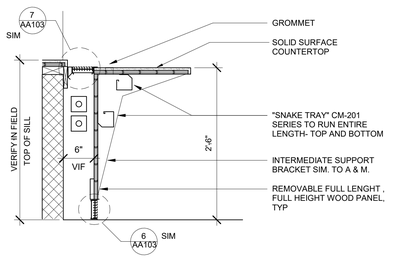
9 Office 106
1/4" = 1'-0"

17 Maker Space 223-4
1/4" = 1'-0"

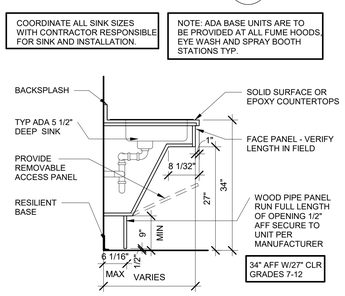
16 Maker Space 223-4
1/4" = 1'-0"

15 Circ Desk
1/4" = 1'-0"

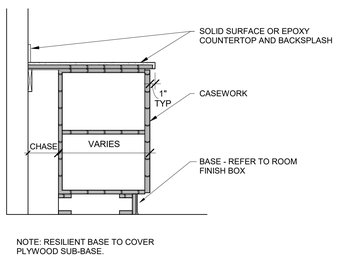
14 Circ Desk
1/4" = 1'-0"



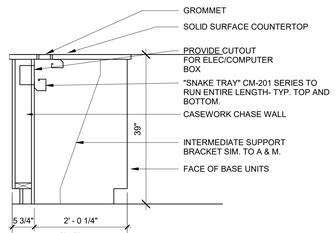
22 Section at Fin Tube and Counter
1" = 1'-0"



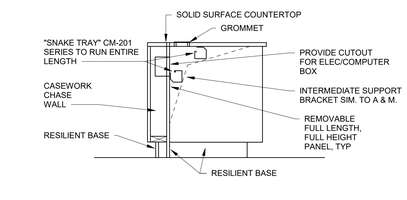
21 ADA Sink Base
3/4" = 1'-0"



20 Casework Section with Chase
1" = 1'-0"



19 High Counter Detail
3/4" = 1'-0"



18 Counter Detail
3/4" = 1'-0"

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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BID SET

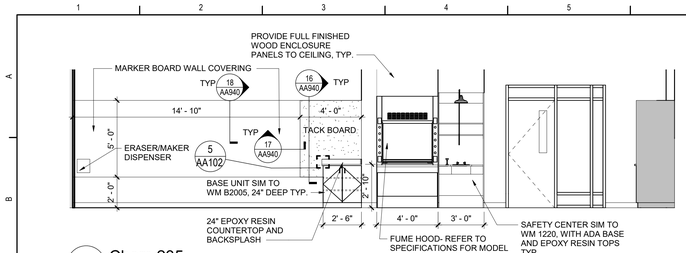
TETRA TECH ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

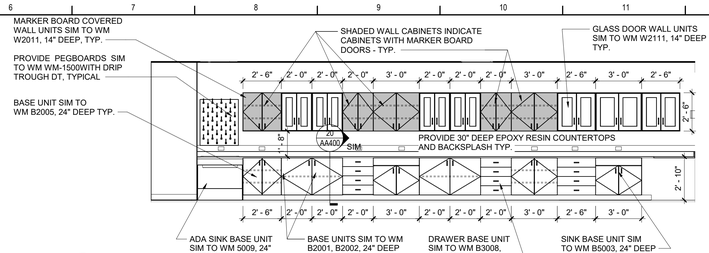
Reconstruction To:
Mahopac High School

Interior Elevations

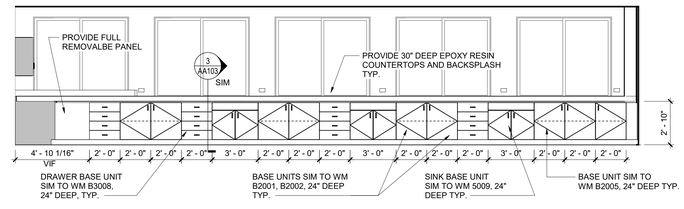
Drawn By:	Date:	Drawing Number:
TS	8/21/20	AA400
Project No.:		
121111-19002		



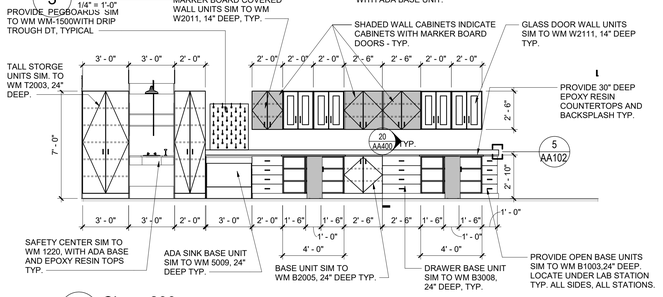
3 Chem 235
1/4" = 1'-0"



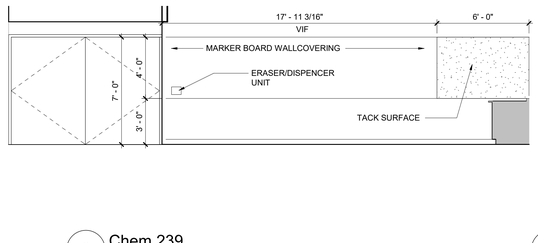
2 Chem 235
1/4" = 1'-0"



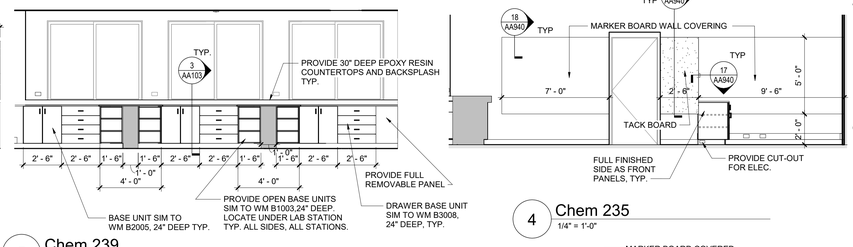
1 Chem 235
1/4" = 1'-0"



7 Chem 239
1/4" = 1'-0"

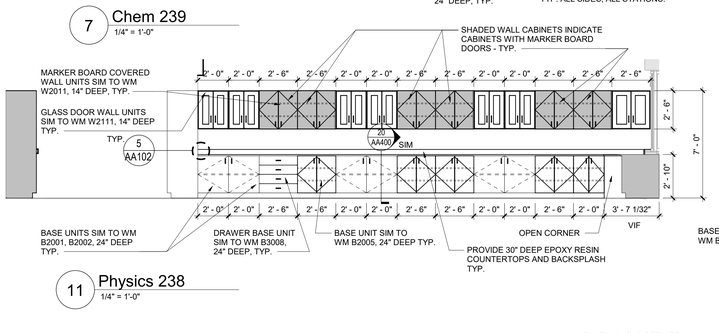


6 Chem 239
1/4" = 1'-0"

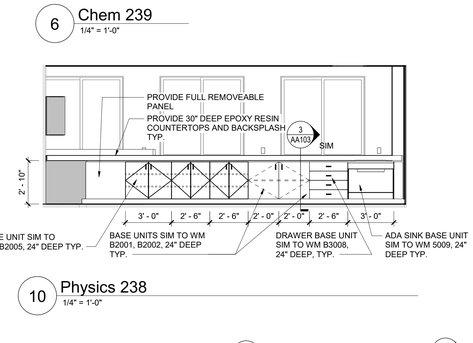


5 Chem 239
1/4" = 1'-0"

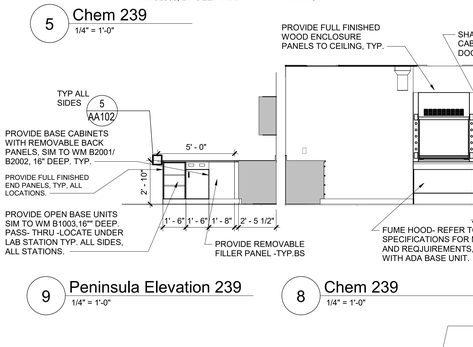
4 Chem 235
1/4" = 1'-0"



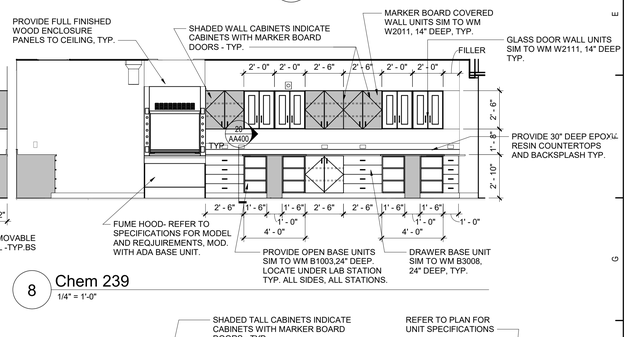
11 Physics 238
1/4" = 1'-0"



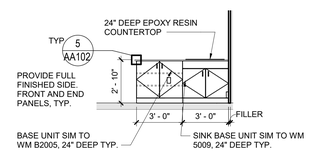
10 Physics 238
1/4" = 1'-0"



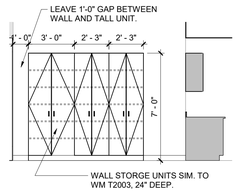
9 Peninsula Elevation 239
1/4" = 1'-0"



8 Chem 239
1/4" = 1'-0"



15 Demo Station 235
1/4" = 1'-0"



14 Physics 238
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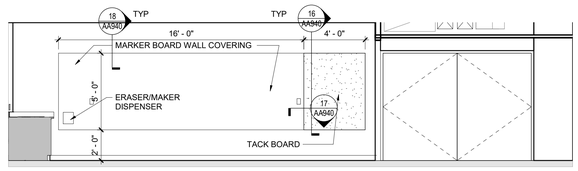
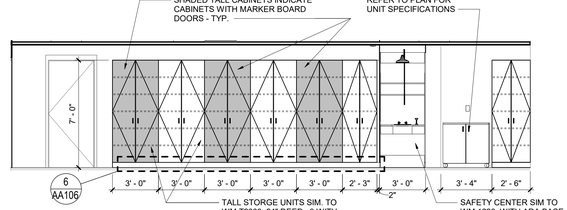
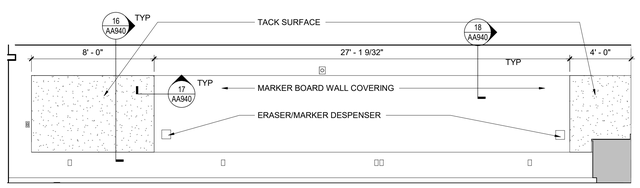


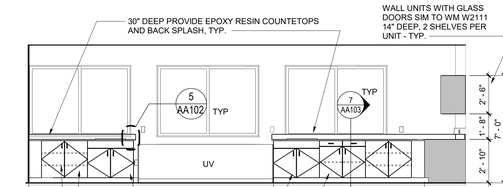
13 Physics 238
1/4" = 1'-0"



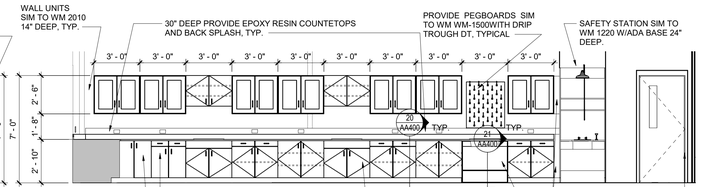
12 Physics 238
1/4" = 1'-0"



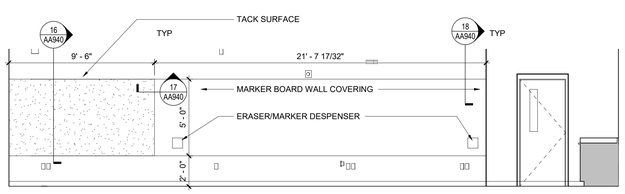
18 Science 242
1/4" = 1'-0"



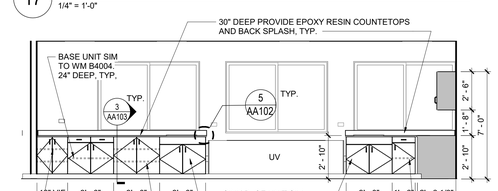
17 Science 242
1/4" = 1'-0"



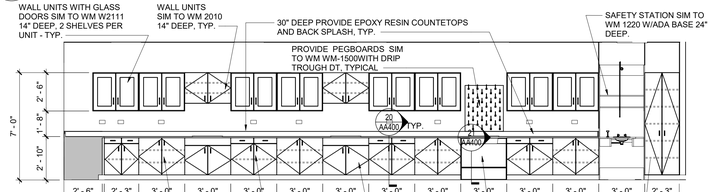
16 Science 242
1/4" = 1'-0"



21 Science 243
1/4" = 1'-0"



20 Science 243
1/4" = 1'-0"



19 Science 243
1/4" = 1'-0"

REFER TO DRAWING AA102 FOR GENERAL WOOD CASEWORK NOTES
REFER TO DRAWING AA940 FOR GENERAL FINISH NOTES
REFER TO DRAWING AA102 FOR WINDOW TREATMENT KEY

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

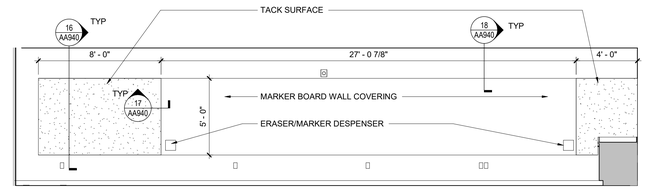
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

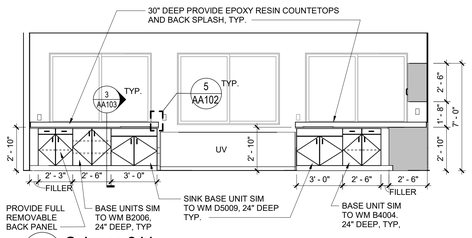
Interior Elevations

Drawn By:	Date:	Drawing Number:
TS	8/21/20	AA401

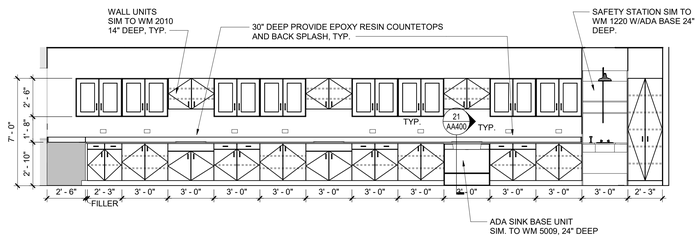
Project No.: 121111-19002



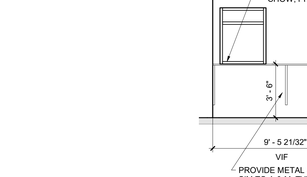
3 Science 244
1/4" = 1'-0"



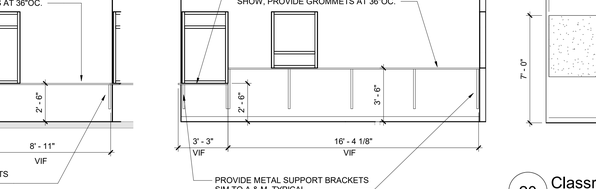
2 Science 244
1/4" = 1'-0"



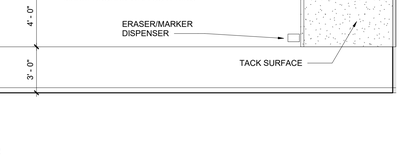
1 Science 244
1/4" = 1'-0"



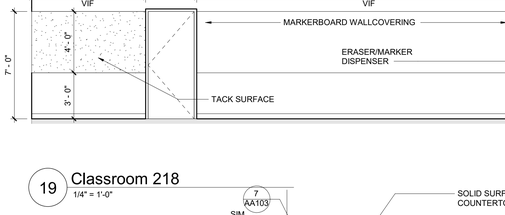
7 Choral 142
1/4" = 1'-0"



6 Classroom 115
1/4" = 1'-0"



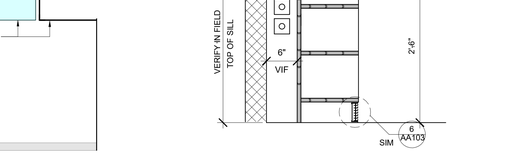
5 Classroom 115
1/4" = 1'-0"



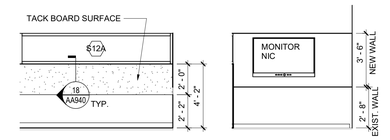
4 Classroom 115
1/4" = 1'-0"

10 Choral 142
1/4" = 1'-0"

9 Classroom 113
1/4" = 1'-0"

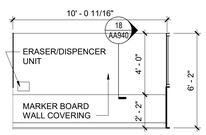


8 Classroom 113
1/4" = 1'-0"

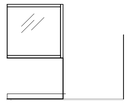


18 Study Pod 223S5
1/4" = 1'-0"

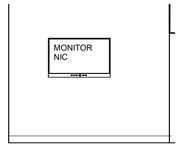
17 Study Pod 223S5
1/4" = 1'-0"



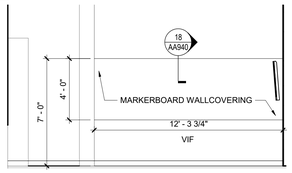
16 Study Pod 223S5
1/4" = 1'-0"



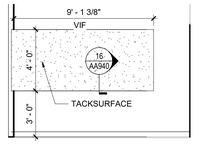
15 Study Pod 223S5
1/4" = 1'-0"



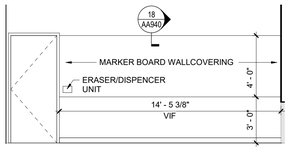
14 Group Study 223S4
1/4" = 1'-0"



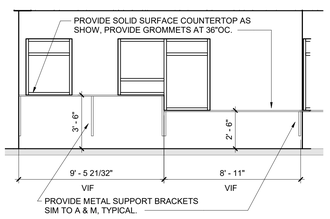
13 Group Study 223S4
1/4" = 1'-0"



12 Group Study 223S4
1/4" = 1'-0"



11 Group Study 223S4
1/4" = 1'-0"



22 Computer Bar
1/4" = 1'-0"

21 Computer Bar
1/4" = 1'-0"

20 Classroom 218
1/4" = 1'-0"

19 Classroom 218
1/4" = 1'-0"

24 Choral 142-3
1/4" = 1'-0"

23 Section at Fin Tube and Bookcase
1" = 1'-0"

REFER TO DRAWING AA102 FOR GENERAL WOOD CASEWORK NOTES
REFER TO DRAWING AA940 FOR GENERAL FINISH NOTES
REFER TO DRAWING AA102 FOR WINDOW TREATMENT KEY

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

BID SET

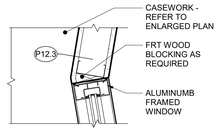
TETRA TECH ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

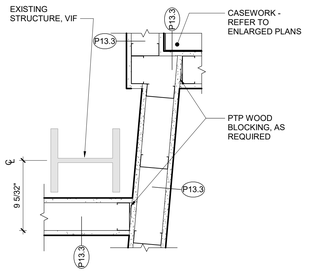
Reconstruction To:
Mahopac High School

Interior Elevations

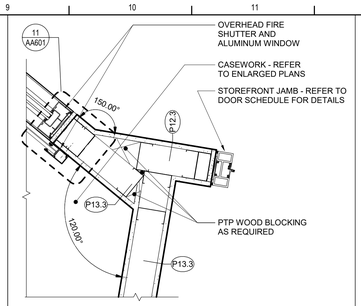
Drawn By:	Date:	Drawing Number:
TS	8/21/20	AA402
Project No.: 121111-19002		



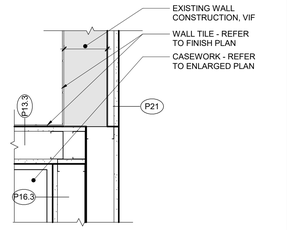
20 Plan Detail
1 1/2" = 1'-0"



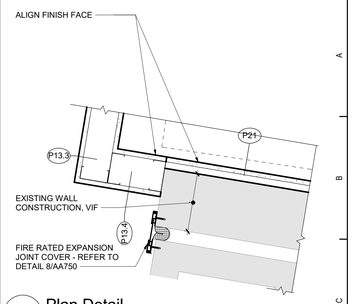
16 Plan Detail
1 1/2" = 1'-0"



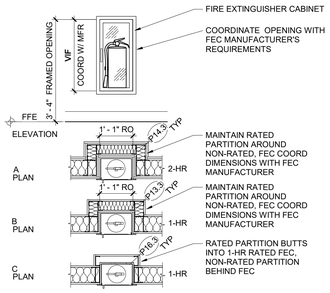
11 Plan Detail
1 1/2" = 1'-0"



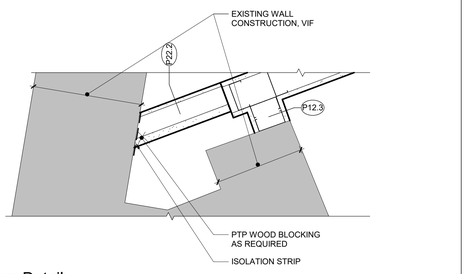
6 Plan Detail
1 1/2" = 1'-0"



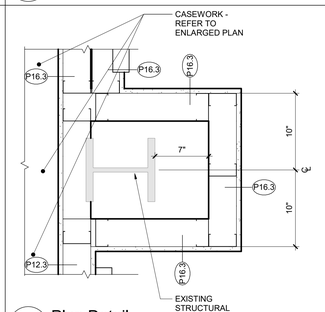
1 Plan Detail
1 1/2" = 1'-0"



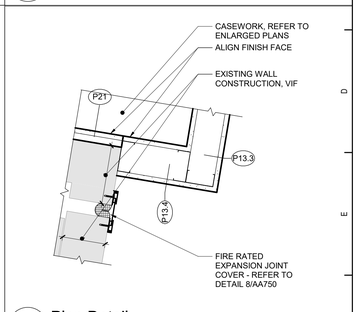
21 FEC - Stud Wall
1/2" = 1'-0"



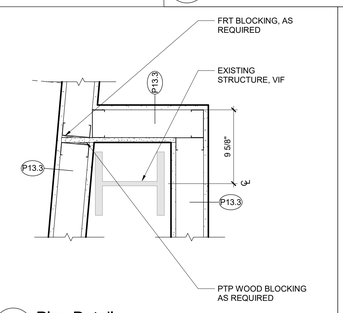
12 Plan Detail
1 1/2" = 1'-0"



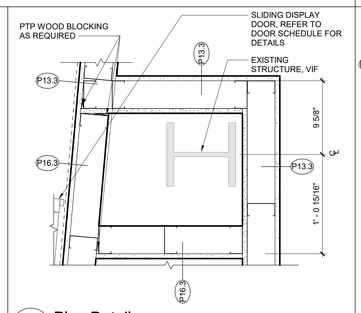
7 Plan Detail
1 1/2" = 1'-0"



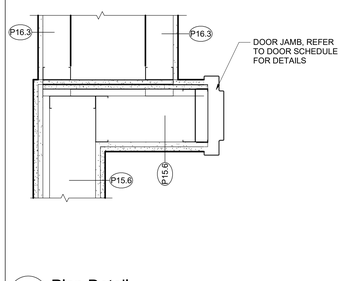
2 Plan Detail
1 1/2" = 1'-0"



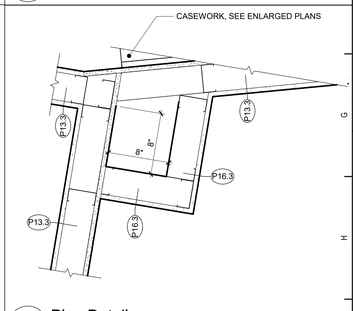
17 Plan Detail
1 1/2" = 1'-0"



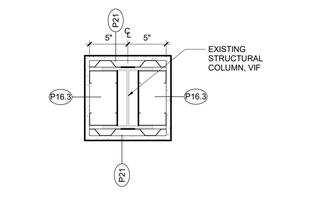
13 Plan Detail
1 1/2" = 1'-0"



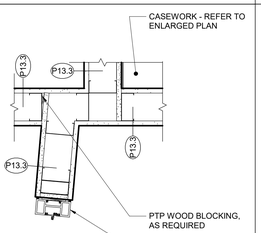
8 Plan Detail
1 1/2" = 1'-0"



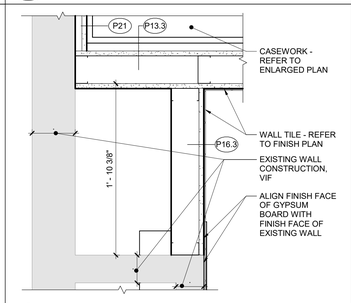
3 Plan Detail
1 1/2" = 1'-0"



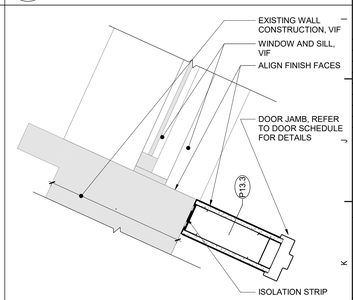
22 Plan Detail
1 1/2" = 1'-0"



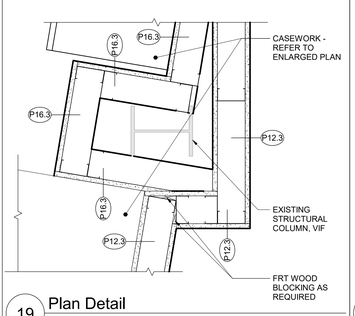
14 Plan Detail
1 1/2" = 1'-0"



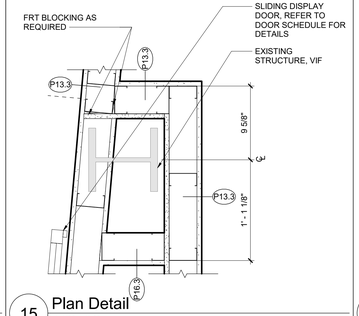
9 Plan Detail
1 1/2" = 1'-0"



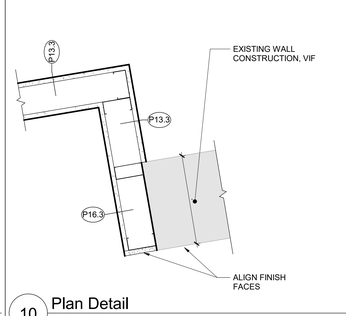
4 Plan Detail
1 1/2" = 1'-0"



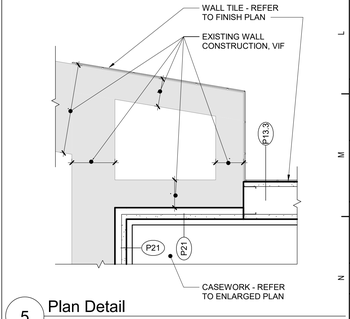
19 Plan Detail
1 1/2" = 1'-0"



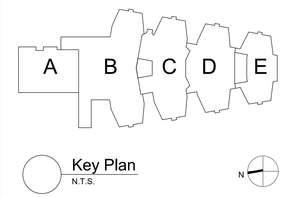
15 Plan Detail
1 1/2" = 1'-0"



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



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



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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BID SET

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

TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

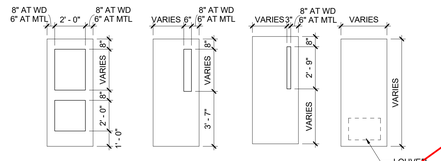
Plan Details

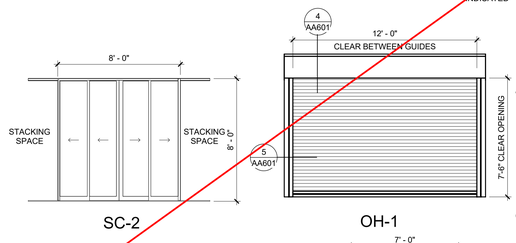
Drawn By:	Date:	Drawing Number:
TS	8/21/20	AA500

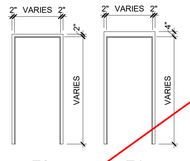
Project No.: 121111-19002

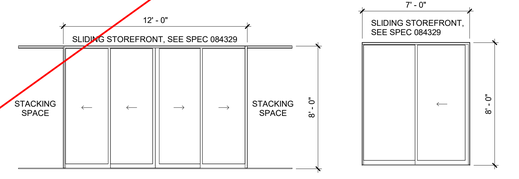
Door Schedule

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
BASEMENT																		
247	1	N-PR	WD	3' - 0"	7' - 0"	20 MIN	FP	F1	HM	6' - 4"	7' - 4"	20 MIN	-	H4	J4		11	
247	2	F-PR	WD	3' - 0"	7' - 0"	-	FC	F1	HM	6' - 4"	7' - 4"	-	-	H14	J13		4	
247	3	F	WD	3' - 0"	7' - 0"	-	FC	F1	HM	3' - 4"	7' - 4"	-	-	H13	J13		5	
1st FLOOR																		
104	1	F	HM	3' - 0"	7' - 0"	-	-	F1	HM	3' - 4"	7' - 4"	-	-	H7	J6		17	
104	2	F	HM	3' - 0"	7' - 0"	-	-	F1	HM	3' - 4"	7' - 4"	-	-	H7	J6		17	
106	1	N	WD	3' - 0"	7' - 0"	-	FC	F2	HM	3' - 4"	7' - 2"	-	-	H13	J13		12	
106E	1	F	WD	3' - 0"	7' - 0"	-	-	F1	HM	3' - 4"	7' - 4"	-	-	H5	J6		10	
111	1	G2	AL	3' - 0"	7' - 0"	60 MIN	FRI	S4	AL	0"	0"	60 MIN	FC	2/AA601	3/AA601		9	
111	2	N	WD	3' - 0"	7' - 0"	45 MIN	FRI	F2	HM	3' - 4"	7' - 2"	45 MIN	-	H13	J13		10	
111A	1	N	WD	3' - 0"	7' - 0"	-	FC	F2	HM	3' - 4"	7' - 2"	-	-	H13	J13		10	
113A	1	N-PR	WD	3' - 0"	7' - 0"	20 MIN	FP	F2	HM	6' - 4"	7' - 2"	20 MIN	-	H14	J13		6	
113A	2	N-PR	WD	3' - 0"	7' - 0"	20 MIN	FP	F2	HM	6' - 4"	7' - 2"	20 MIN	-	H14	J13		4	
113F	1	F-PR	HM	4' - 10"	7' - 0"	-	FC	F2	HM	10' - 0"	7' - 2"	-	-	H7	J6		14	
115	1	G2	AL	3' - 0"	7' - 0"	60 MIN	FRI	S4	AL	0"	0"	60 MIN	FC	2/AA601	3/AA601		9	
115	2	N	WD	3' - 0"	7' - 0"	45 MIN	FRI	F2	HM	3' - 4"	7' - 2"	45 MIN	-	H13	J13		9	
142	1	N	WD	3' - 0"	7' - 0"	20 MIN	FP	F2	HM	3' - 4"	7' - 2"	20 MIN	-	H4	J4		5	
142	2	N	WD	3' - 0"	7' - 0"	20 MIN	FP	F2	HM	3' - 4"	7' - 2"	20 MIN	-	H13	J13		5	
142	3	F	WD	3' - 0"	7' - 0"	-	-	F2	HM	3' - 4"	7' - 2"	-	-	H13	J13		5	
143	1	N	WD	3' - 0"	7' - 0"	20 MIN	FP	F2	HM	3' - 4"	7' - 2"	20 MIN	-	H13	J13		5	
143A	1	N	WD	3' - 0"	7' - 0"	20 MIN	FP	F2	HM	3' - 4"	7' - 2"	20 MIN	-	H13	J13		15	
143A	2	N	WD	3' - 0"	7' - 0"	-	FC	F2	HM	3' - 4"	7' - 2"	-	-	H13	J13		15	
L101	1	N2	AL	3' - 0"	7' - 0"	60 MIN	FRI	S3	AL	0"	0"	60 MIN	-	2/AA601	3/AA601		7	
L101	2	N2	AL	3' - 0"	7' - 0"	60 MIN	FRI	S3	AL	0"	0"	60 MIN	-	2/AA601	3/AA601		7	
L101	3	N2	AL	3' - 0"	7' - 0"	60 MIN	FRI	S3	AL	0"	0"	60 MIN	-	2/AA601	3/AA601		7	
L101	4	N2	AL	3' - 0"	7' - 0"	60 MIN	FRI	S3	AL	0"	0"	60 MIN	-	2/AA601	3/AA601		7	
S101	1	N	WD	3' - 0"	7' - 0"	20 MIN	FPC	F2	HM	3' - 4"	7' - 2"	20 MIN	-	H13	J13		9	
V101	1	G2-PR	AL	3' - 0"	7' - 0"	-	FC	S2	AL	0"	0"	-	FC	2/AA601	3/AA601		1	
V101	2	G2-PR	AL	3' - 0"	7' - 0"	-	FC	S2	AL	0"	0"	-	FC	2/AA601	3/AA601		2	
2nd FLOOR																		
218	1	F	WD	3' - 0"	7' - 0"	-	-	F1	HM	3' - 4"	7' - 4"	-	-	H6	J6		10	
219A	1	N	WD	3' - 0"	7' - 0"	20 MIN	-	F1	HM	3' - 4"	7' - 4"	20 MIN	-	H6	J6		10	
223	1	G2	AL	3' - 0"	7' - 0"	60 MIN	FRI	S6	AL	0"	0"	60 MIN	FRI	2/AA601	3/AA601		8	
223	2	G2	AL	3' - 0"	7' - 0"	60 MIN	FRI	S6	AL	0"	0"	60 MIN	FRI	2/AA601	3/AA601		8	
223	3	N	WD	3' - 0"	7' - 0"	20 MIN	FP	F2	HM	3' - 4"	7' - 2"	20 MIN	-	H13	J13		5	
223-2	1	N	WD	3' - 0"	7' - 0"	-	FC	F2	HM	3' - 4"	7' - 2"	-	-	H13	J13		12	
223-4	1	G2	AL	3' - 0"	7' - 0"	-	FC	S15	AL	0"	0"	-	FC	2/AA601	3/AA601		9	
223S1	1	LMC-1	AL	7' - 0"	8' - 0"	-	FC	LMC-1	AL	7' - 0"	8' - 0"	-	-	6/AA601	7/AA601	6/AA601	13	SLIDING STOREFRONT
223S2	1	LMC-1	AL	7' - 0"	8' - 0"	-	FC	LMC-1	AL	7' - 0"	8' - 0"	-	-	6/AA601	7/AA601	6/AA601	13	SLIDING STOREFRONT
223S3	1	F	WD	3' - 0"	7' - 0"	-	FC	F2	HM	3' - 4"	7' - 2"	-	-	H13	J13		12	
223S4	1	F	WD	3' - 0"	7' - 0"	-	FC	F2	HM	3' - 4"	7' - 2"	-	-	H14	J13		12	
235	1	N	AL	3' - 0"	7' - 0"	60 MIN	FRI	S5	AL	0"	0"	60 MIN	FRI	2/AA601	3/AA601		9	
238	1	N	AL	3' - 0"	7' - 0"	60 MIN	FRI	S5	AL	0"	0"	60 MIN	FRI	2/AA601	3/AA601		9	
238F	1	F-PR	HM	4' - 10"	7' - 0"	-	-	F2	HM	10' - 0"	7' - 2"	-	-	H7	J6		14	
238I	1	F	HM	3' - 0"	7' - 0"	-	-	F1	HM	3' - 4"	7' - 4"	-	-	H13	J13		10	
239	1	N	AL	3' - 0"	7' - 0"	60 MIN	FRI	S5	AL	0"	0"	60 MIN	FRI	2/AA601	3/AA601		9	
239F	1	F-PR	HM	4' - 10"	7' - 0"	-	-	F2	HM	10' - 0"	7' - 2"	-	-	H7	J6		14	
242	1	N	AL	3' - 0"	7' - 0"	20 MIN	FPC	S5	AL	0"	0"	20 MIN	FPC	2/AA601	3/AA601		9	
242	2	N	WD	3' - 0"	7' - 0"	20 MIN	FPC	F1	HM	3' - 4"	7' - 4"	20 MIN	-	-	-			
242A	1	SC-1	AL	12' - 0"	8' - 0"	-	FC	SEE DOOR	AL	SEE DOOR	SEE DOOR	-	-	8/AA601	9/AA601	8/AA601	16	SLIDING STOREFRONT
243	1	N	AL	3' - 0"	7' - 0"	20 MIN	FPC	S5	AL	0"	0"	20 MIN	FPC	2/AA601	3/AA601		9	
243	2	N	WD	3' - 0"	7' - 0"	20 MIN	FPC	F1	HM	3' - 4"	7' - 4"	20 MIN	-	-	-			
243A	1	SC-1	AL	12' - 0"	8' - 0"	-	FC	SEE DOOR	AL	SEE DOOR	SEE DOOR	-	-	8/AA601	9/AA601	8/AA601	16	SLIDING STOREFRONT
244	1	N	AL	3' - 0"	7' - 0"	20 MIN	FPC	S5	AL	0"	0"	20 MIN	FPC	2/AA601	3/AA601		9	
244A	1	SC-2	AL	8' - 0"	8' - 0"	-	FC	SEE DOOR	AL	SEE DOOR	SEE DOOR	-	-	8/AA601	9/AA601	8/AA601	16	SLIDING STOREFRONT









FRAME TYPES

DOOR TYPES

ALL STOREFRONT HEAD
DETAILS ARE 2 / AA601
UNLESS NOTED OTHERWISE

ALL STOREFRONT JAMB
DETAILS ARE 3 / AA601
UNLESS NOTED OTHERWISE

GRAY HATCHED GLASS AREAS
ARE ACID ETCHED GLASS

STOREFRONT TYPES

General Door Notes

A. SEE DWGS _____ 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 ELECTICAL 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 CONTINOUS JOINT SEALANT TO ALL JOINTS BETWEEN FRAMES AND WALLS, TYP ALL.

J. PAINT ALL HM DOORS AND FRAMES IN ACCORDANCE W/ SECTION 09900.

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

L. PROVIDE MARBLE THRESHOLDS AT ALL TOILET ROOMS WHERE ADJACENT FINISH IS CERAMIC TILE. REFER TO DET 11/A2828.

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

N. 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).

General Window Notes

A. NOTE USED

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:

C ALUMINUM CURTAIN WALL
F HOLLOW METAL
S ALUMINUM STOREFRONT
W ALUMINUM WINDOWS

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.

H. GLASS TYPES PER SPEC 08 80 00 ARE FC, FP, FRI, FRD AND SCL. DESIGNATIONS ARE SHOWN ON DOOR SCHEDULE AND TYPE ELEVATIONS.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

complex world | CLEAR SOLUTIONS

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

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

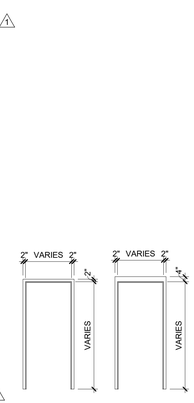
Door Schedule, Door Types and Window Types

Drawn By:	Date:	Drawing Number:
TS	8/21/20	AA600

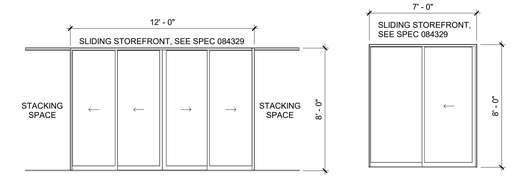
Project No.: 121111-19002

Door Schedule

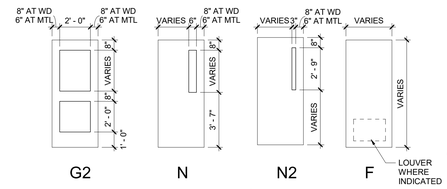
ROOM NUMBER	DOOR NUMBER	DOOR TYPE	DOOR MATERIAL	DOOR WIDTH	DOOR HEIGHT	DOOR RATING	DOOR GLAZING	FRAME TYPE	FRAME MATERIAL	FRAME WIDTH	FRAME HEIGHT	FRAME RATING	FRAME GLAZING	HEAD	JAMB	SILL	HDW SET	REMARKS
BASEMENT																		
247	1	N-PR	WD	3' - 0"	7' - 0"	20 MIN	FP	F1	HM	6' - 4"	7' - 4"	20 MIN	-	H4	J4		11	
247	2	F-PR	WD	3' - 0"	7' - 0"	-	FC	F1	HM	6' - 4"	7' - 4"	-	-	H14	J13		4	
247	3	F	WD	3' - 0"	7' - 0"	-	FC	F1	HM	3' - 4"	7' - 4"	-	-	H13	J13		5	
1st FLOOR																		
104	1	S	HM	3' - 0"	7' - 0"	-	-	F1	HM	3' - 4"	7' - 4"	-	-	H7	J6		17	
104	2	F	HM	3' - 0"	7' - 0"	-	-	F1	HM	3' - 4"	7' - 4"	-	-	H7	J6		17	
106	1	N	WD	3' - 0"	7' - 0"	-	FC	F2	HM	3' - 4"	7' - 2"	-	-	H13	J13		12	
106E	1	F	WD	3' - 0"	7' - 0"	-	-	F1	HM	3' - 4"	7' - 4"	-	-	H5	J6		10	
111	1	G2	AL	3' - 0"	7' - 0"	60 MIN	FRI	S4	AL	0"	0"	60 MIN	FC	2/AA601	3/AA601		9	
111	2	S	WD	3' - 0"	7' - 0"	45 MIN	FRI	F2	HM	3' - 4"	7' - 2"	45 MIN	-	H13	J13		10	
111A	1	N	WD	3' - 0"	7' - 0"	-	FC	F2	HM	3' - 4"	7' - 2"	-	-	H13	J13		15	
113A	1	N-PR	WD	3' - 0"	7' - 0"	20 MIN	FP	F2	HM	6' - 4"	7' - 2"	20 MIN	-	H14	J13		6	
113A	2	N-PR	WD	3' - 0"	7' - 0"	45 MIN	FRI	F2	HM	6' - 4"	7' - 2"	45 MIN	-	H14	J13		4	
113F	1	F-PR	HM	4' - 10"	7' - 0"	-	FC	F2	HM	10' - 0"	7' - 2"	-	-	H7	J6		14	SOUND CONTROL DOOR ASSEMBLY
115	1	G2	AL	3' - 0"	7' - 0"	60 MIN	FRI	S4	AL	0"	0"	60 MIN	FC	2/AA601	3/AA601		9	
115	2	N	WD	3' - 0"	7' - 0"	45 MIN	FRI	F2	HM	3' - 4"	7' - 2"	45 MIN	-	H13	J13		10	
142	1	N	WD	3' - 0"	7' - 0"	20 MIN	FP	F2	HM	3' - 4"	7' - 2"	20 MIN	-	H4	J4		8	SOUND CONTROL DOOR ASSEMBLY
142	2	N	WD	3' - 0"	7' - 0"	20 MIN	FP	F2	HM	3' - 4"	7' - 2"	20 MIN	-	H13	J13		5	SOUND CONTROL DOOR ASSEMBLY
142	3	S	WD	3' - 0"	7' - 0"	-	-	F2	HM	3' - 4"	7' - 2"	-	-	H13	J13		5	SOUND CONTROL DOOR ASSEMBLY
143	1	N	WD	3' - 0"	7' - 0"	20 MIN	FP	F2	HM	3' - 4"	7' - 2"	20 MIN	-	H13	J13		5	SOUND CONTROL DOOR ASSEMBLY
143A	1	N	WD	3' - 0"	7' - 0"	20 MIN	FP	F2	HM	3' - 4"	7' - 2"	20 MIN	-	H13	J13		15	
143A	2	N	WD	3' - 0"	7' - 0"	-	FC	F2	HM	3' - 4"	7' - 2"	-	-	H13	J13		15	
L101	1	N2	AL	3' - 0"	7' - 0"	60 MIN	FRI	S3	AL	0"	0"	60 MIN	-	2/AA601	3/AA601		7	
L101	2	N2	AL	3' - 0"	7' - 0"	60 MIN	FRI	S3	AL	0"	0"	60 MIN	-	2/AA601	3/AA601		7	
L101	3	N2	AL	3' - 0"	7' - 0"	60 MIN	FRI	S3	AL	0"	0"	60 MIN	-	2/AA601	3/AA601		7	
L101	4	N2	AL	3' - 0"	7' - 0"	60 MIN	FRI	S3	AL	0"	0"	60 MIN	-	2/AA601	3/AA601		7	
S101	1	N	WD	3' - 0"	7' - 0"	20 MIN	FPC	F2	HM	3' - 4"	7' - 2"	20 MIN	-	H13	J13		9	
V101	1	G2-PR	AL	3' - 0"	7' - 0"	-	FC	S2	AL	0"	0"	-	FC	2/AA601	3/AA601		1	
V101	2	G2-PR	AL	3' - 0"	7' - 0"	-	FC	S2	AL	0"	0"	-	FC	2/AA601	3/AA601		2	
2nd FLOOR																		
218	1	F	WD	3' - 0"	7' - 0"	-	-	F1	HM	3' - 4"	7' - 4"	-	-	H6	J6		10	
219A	1	N	WD	3' - 0"	7' - 0"	20 MIN	-	F1	HM	3' - 4"	7' - 4"	20 MIN	-	H6	J6		10	
223	1	G2	AL	3' - 0"	7' - 0"	60 MIN	FRI	S6	AL	0"	0"	60 MIN	FRI	2/AA601	3/AA601		8	
223	2	G2	AL	3' - 0"	7' - 0"	60 MIN	FRI	S6	AL	0"	0"	60 MIN	FRI	2/AA601	3/AA601		8	
223	3	N	WD	3' - 0"	7' - 0"	20 MIN	FP	F2	HM	3' - 4"	7' - 2"	20 MIN	-	H13	J13		5	
223-2	1	N	WD	3' - 0"	7' - 0"	-	FC	F2	HM	3' - 4"	7' - 2"	-	-	H13	J13		12	
223-4	1	G2	AL	3' - 0"	7' - 0"	-	FC	S15	AL	0"	0"	-	FC	2/AA601	3/AA601		9	
223S1	1	LMC-1	AL	7' - 0"	8' - 0"	-	FC	LMC-1	AL	7' - 0"	8' - 0"	-	-	6/AA601	7/AA601	6/AA601	13	SLIDING STOREFRONT
223S2	1	LMC-1	AL	7' - 0"	8' - 0"	-	FC	LMC-1	AL	7' - 0"	8' - 0"	-	-	6/AA601	7/AA601	6/AA601	13	SLIDING STOREFRONT
223S3	1	F	WD	3' - 0"	7' - 0"	-	FC	F2	HM	3' - 4"	7' - 2"	-	-	H13	J13		12	
223S4	1	F	WD	3' - 0"	7' - 0"	-	FC	F2	HM	3' - 4"	7' - 2"	-	-	H14	J13		12	
235	1	N	AL	3' - 0"	7' - 0"	60 MIN	FRI	S5	AL	0"	0"	60 MIN	FRI	2/AA601	3/AA601		9	
238	1	N	AL	3' - 0"	7' - 0"	60 MIN	FRI	S5	AL	0"	0"	60 MIN	FRI	2/AA601	3/AA601		9	
238F	1	F-PR	HM	4' - 10"	7' - 0"	-	-	F2	HM	10' - 0"	7' - 2"	-	-	H7	J6		14	SOUND CONTROL DOOR ASSEMBLY
238I	1	F	HM	3' - 0"	7' - 0"	-	-	F1	HM	3' - 4"	7' - 4"	-	-	H13	J13		15	
239	1	N	AL	3' - 0"	7' - 0"	60 MIN	FRI	S5	AL	0"	0"	60 MIN	FRI	2/AA601	3/AA601		9	
239F	1	F-PR	HM	4' - 10"	7' - 0"	-	-	F2	HM	10' - 0"	7' - 2"	-	-	H7	J6		14	SOUND CONTROL DOOR ASSEMBLY
242	1	N	AL	3' - 0"	7' - 0"	20 MIN	FPC	S5	AL	0"	0"	20 MIN	FPC	2/AA601	3/AA601		9	
242	2	N	WD	3' - 0"	7' - 0"	20 MIN	FPC	F1	HM	3' - 4"	7' - 4"	20 MIN	-	-	-		10	
242A	1	SC-1	AL	12' - 0"	8' - 0"	-	FC	SEE DOOR	AL	SEE DOOR	SEE DOOR	-	-	8/AA601	9/AA601	8/AA601	16	SLIDING STOREFRONT
243	1	N	AL	3' - 0"	7' - 0"	20 MIN	FPC	S5	AL	0"	0"	20 MIN	FPC	2/AA601	3/AA601		9	
243	2	N	WD	3' - 0"	7' - 0"	20 MIN	FPC	F1	HM	3' - 4"	7' - 4"	20 MIN	-	-	-		10	
243A	1	SC-1	AL	12' - 0"	8' - 0"	-	FC	SEE DOOR	AL	SEE DOOR	SEE DOOR	-	-	8/AA601	9/AA601	8/AA601	16	SLIDING STOREFRONT
244	1	N	AL	3' - 0"	7' - 0"	20 MIN	FPC	S5	AL	0"	0"	20 MIN	FPC	2/AA601	3/AA601		9	
244A	1	SC-2	AL	8' - 0"	8' - 0"	-	FC	SEE DOOR	AL	SEE DOOR	SEE DOOR	-	-	8/AA601	9/AA601	8/AA601	16	SLIDING STOREFRONT

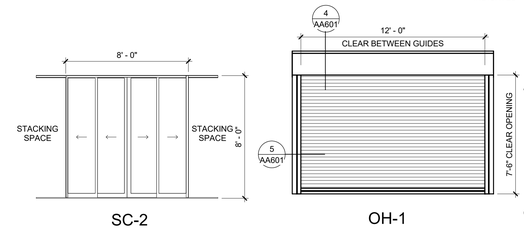


FRAME TYPES



DOOR TYPES





General Door Notes

A. SEE DWGS _____ 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 ELECTICAL DWGS.

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L. PROVIDE MARBLE THRESHOLDS AT ALL TOILET ROOMS WHERE ADJACENT FINISH IS CERAMIC TILE. REFER TO DET 11/A2828.

M. NOT USED 1

N. 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).

General Window Notes

A. NOTE USED

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:

C	ALUMINUM CURTAIN WALL
F	HOLLOW METAL
S	ALUMINUM STOREFRONT
W	ALUMINUM WINDOWS

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.

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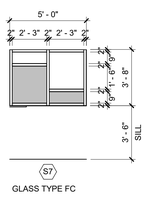

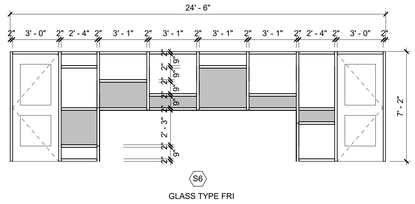

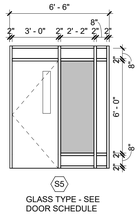

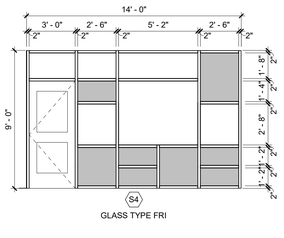

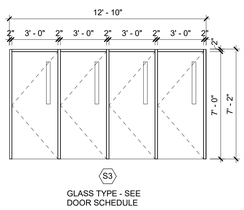

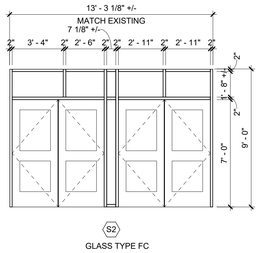

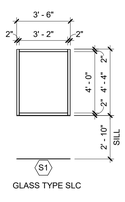

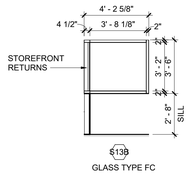

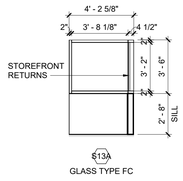

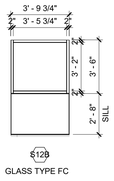

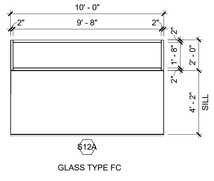

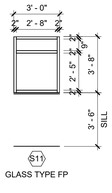

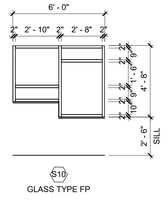

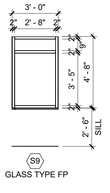

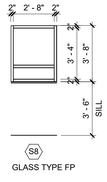

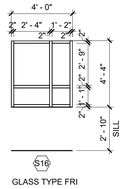

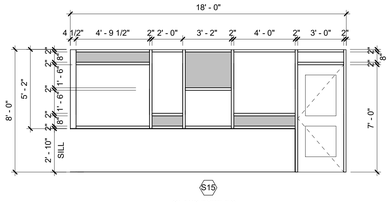

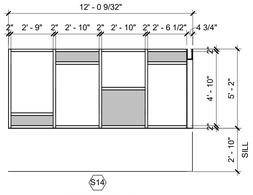

ALL STOREFRONT HEAD
DETAILS ARE 2 / AA601
UNLESS NOTED OTHERWISE

ALL STOREFRONT JAMB
DETAILS ARE 3 / AA601
UNLESS NOTED OTHERWISE

GRAY HATCHED GLASS AREAS
ARE ACID ETCHED GLASS

STOREFRONT TYPES

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:
1	2/12/21	BID Addendum No 1

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

BID SET

TETRA TECH ARCHITECTS & ENGINEERS

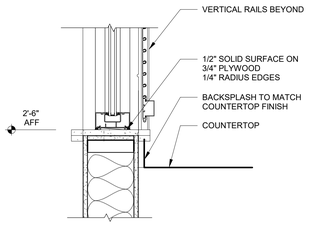
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

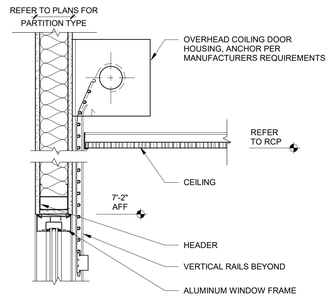
Door Schedule, Door Types and Window Types

Drawn By:	Date:	Drawing Number:
TS	8/21/20	AA600

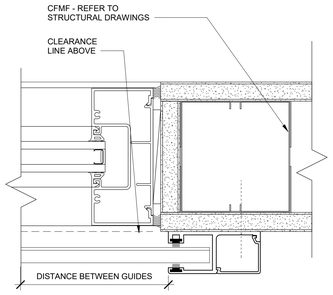
Project No.: 121111-19002



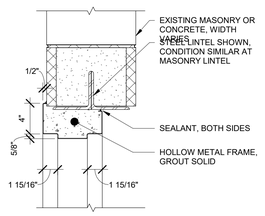
12 Fire Shutter/Coiling Door Sill
1 1/2" = 1'-0"



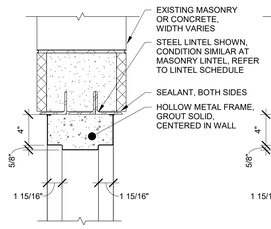
10 Fire Shutter/Coiling Door Head
1 1/2" = 1'-0"



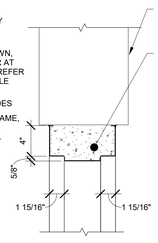
11 Fire Shutter/Coiling Door Jamb
6" = 1'-0"



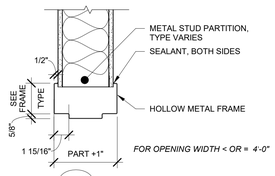
H-4



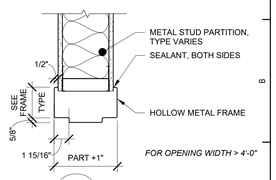
H-6



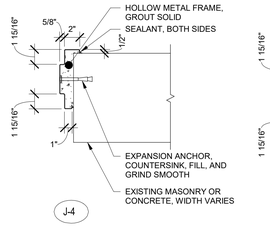
H-7



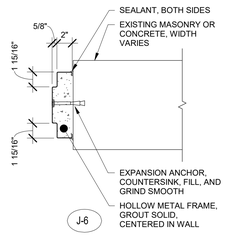
H-13



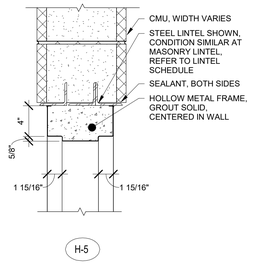
H-14



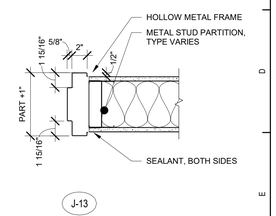
J-4



J-6

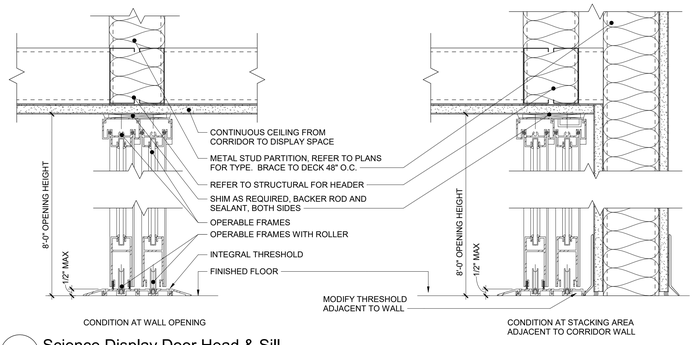


H-5

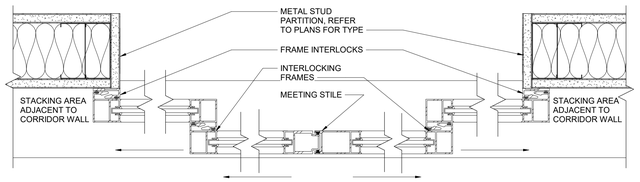


J-13

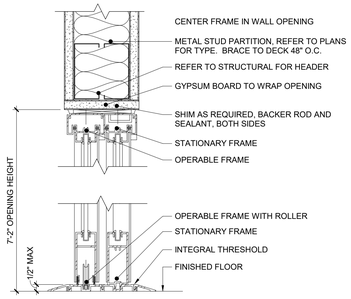
1 08 11 13_Hollow Metal Frame Details - Edited
1 1/2" = 1'-0"



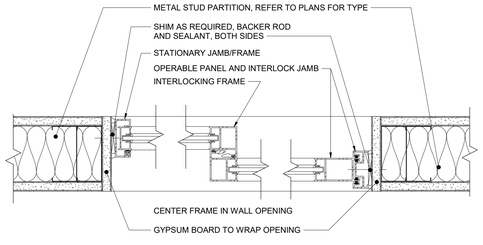
8 Science Display Door Head & Sill
3" = 1'-0"



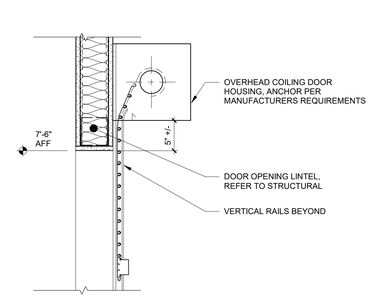
9 Science Display Door Jamb
3" = 1'-0"



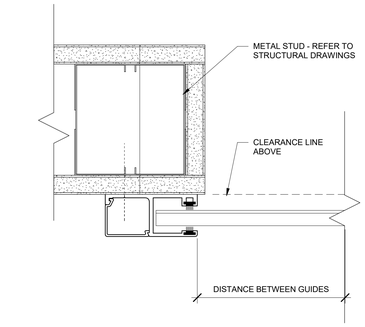
6 Study Pod Door Head & Sill
3" = 1'-0"



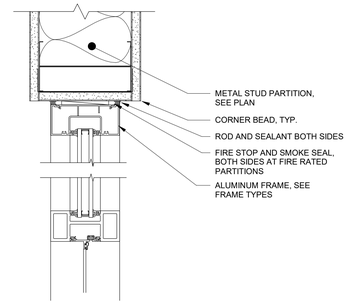
7 Study Pod Door Jamb
3" = 1'-0"



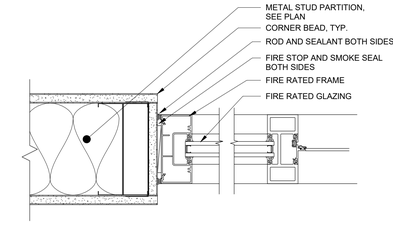
4 OH Coiling Door Head
1 1/2" = 1'-0"



5 OH Coiling Door Jamb
6" = 1'-0"



2 Storefront Head - Interior
3" = 1'-0"



3 Storefront Jamb - Interior
3" = 1'-0"

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

BID SET

TETRA TECH ARCHITECTS & ENGINEERS

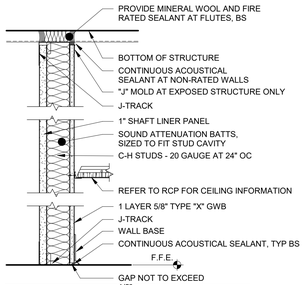
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Door and Window Details

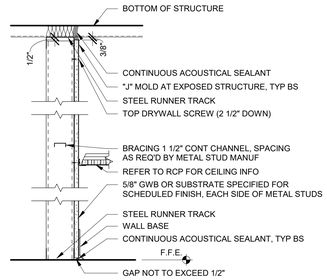
Drawn By:	Date:	Drawing Number:
TS	8/21/20	AA601

Project No.: 121111-19002



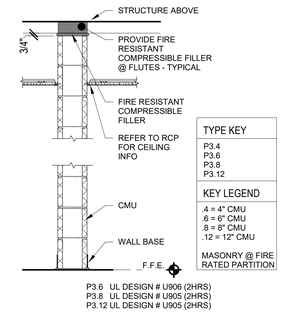
TYPE KEY	KEY LEGEND
P22.2 UL DESIGN #U469 (1 HOUR)	.2 = 2 1/2" C-H STUDS
P22.4 UL DESIGN #U469 (1 HOUR)	.4 = 4" C-H STUDS
P22.6 UL DESIGN #U469 (1 HOUR)	.6 = 6" C-H STUDS

7 Shaft Wall Partition Type P22 (1-Hr)
1 1/2" = 1'-0"



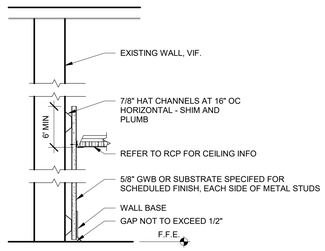
TYPE KEY	KEY LEGEND
P16.3	.3 = 3-5/8" MTL STUDS
P16.4	.4 = 4" MTL STUDS
P16.6	.6 = 6" MTL STUDS

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

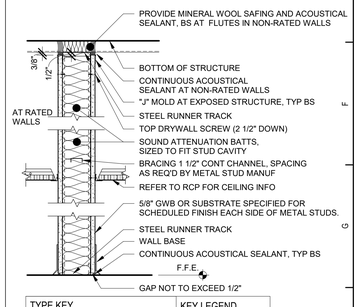


P3.6 UL DESIGN # U906 (2HRS)
P3.8 UL DESIGN # U905 (2HRS)
P3.12 UL DESIGN # U905 (2HRS)

1 Partition Type P3
3/4" = 1'-0"



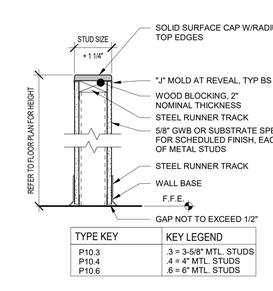
5 Metal Stud Partition Type P21
1 1/2" = 1'-0"



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)	

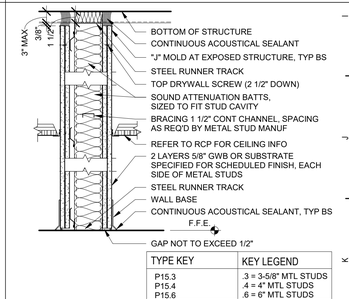
2 Metal Stud Partition Type P12 and P13
1 1/2" = 1'-0"

P13.3 is Default Wall Type



TYPE KEY	KEY LEGEND
P10.3	.3 = 3-5/8" MTL. STUDS
P10.4	.4 = 4" MTL. STUDS
P10.6	.6 = 6" MTL. STUDS

6 Metal Stud Partition Type P10
1 1/2" = 1'-0"



TYPE KEY	KEY LEGEND
P15.3	.3 = 3-5/8" MTL STUDS
P15.4	.4 = 4" MTL STUDS
P15.6	.6 = 6" MTL STUDS

3 Metal Stud Partition Type P15
1 1/2" = 1'-0"

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

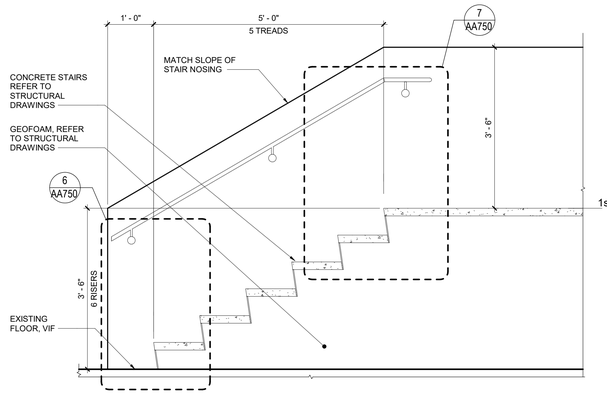
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

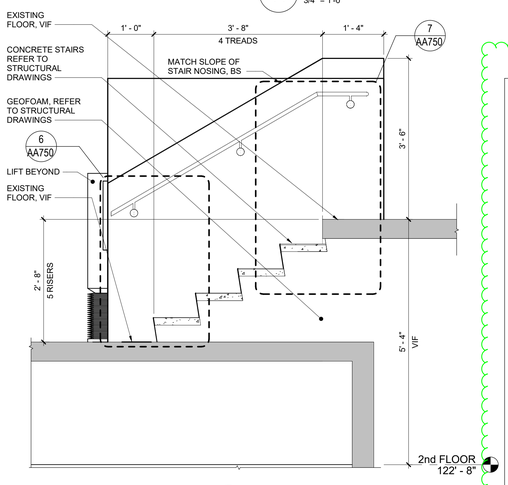
Wall Types

Drawn By:	Date:	Drawing Number:
TS	8/21/20	AA700

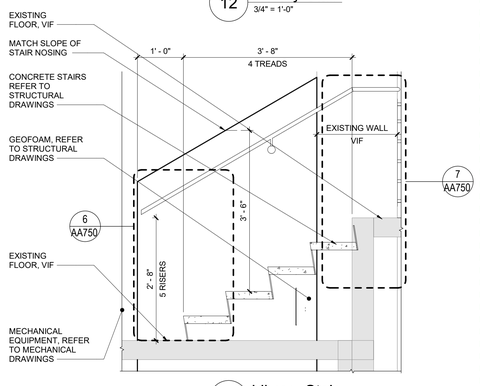
Project No.: 121111-19002



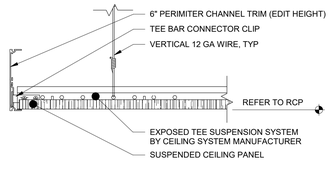
11 Band Stair
3/4" = 1'-0"



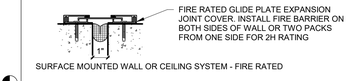
12 Library Stair
3/4" = 1'-0"



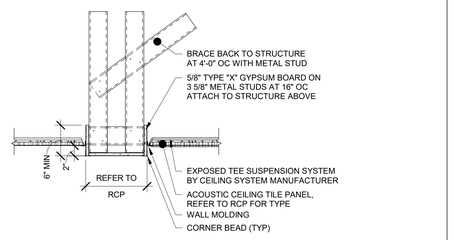
16 Library Stair
3/4" = 1'-0"



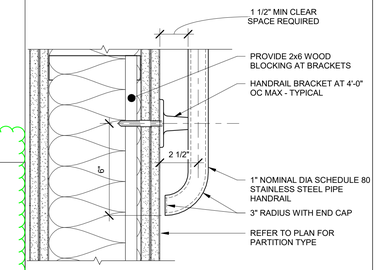
17 Ceiling Detail - Floating Panel
3" = 1'-0"



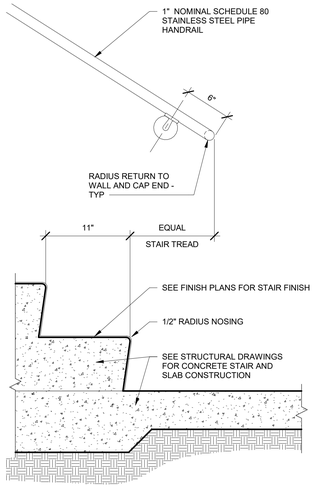
8 Fire Rated Exp. Joint Cover Detail
3" = 1'-0"



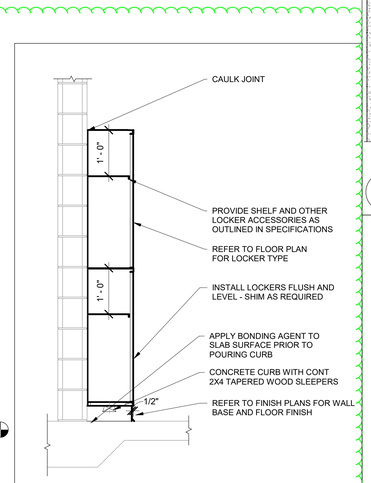
5 Soffit Detail
1" = 1'-0"



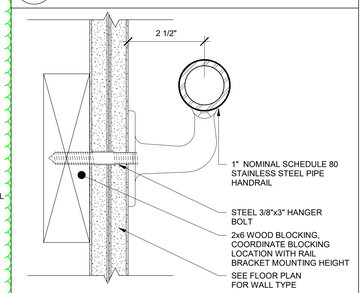
9 Handrail Detail
3" = 1'-0"



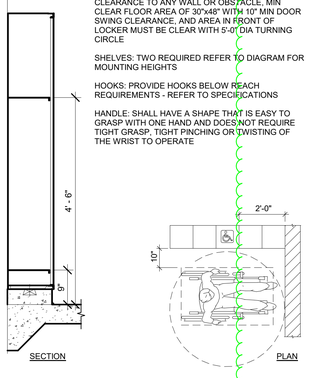
6 Typical Stair Base Section
1 1/2" = 1'-0"



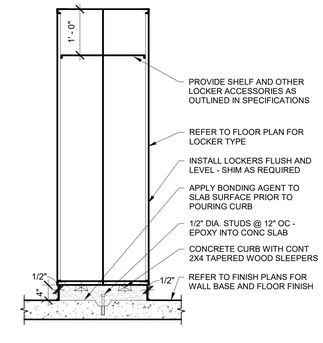
14 Locker Detail with Slope Top
3/4" = 1'-0"



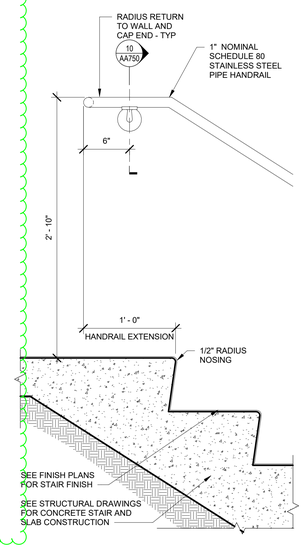
10 Wall Mounted Rail Support Detail
3" = 1'-0"



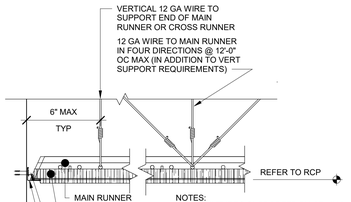
15 ADA Locker - Parallel Reach
3/4" = 1'-0"



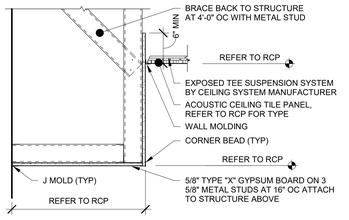
13 Locker Detail
3/4" = 1'-0"



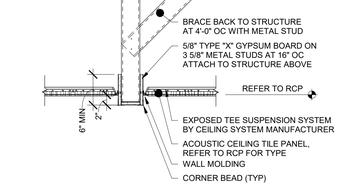
7 Typical Stair Head Section
1 1/2" = 1'-0"



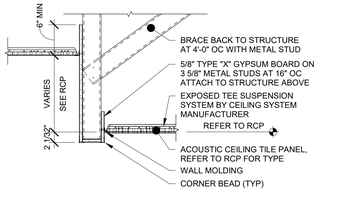
1 Typical Ceiling Detail
3" = 1'-0"



2 Soffit Detail
1" = 1'-0"



3 Soffit Detail
1" = 1'-0"



4 Soffit Detail
1" = 1'-0"

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

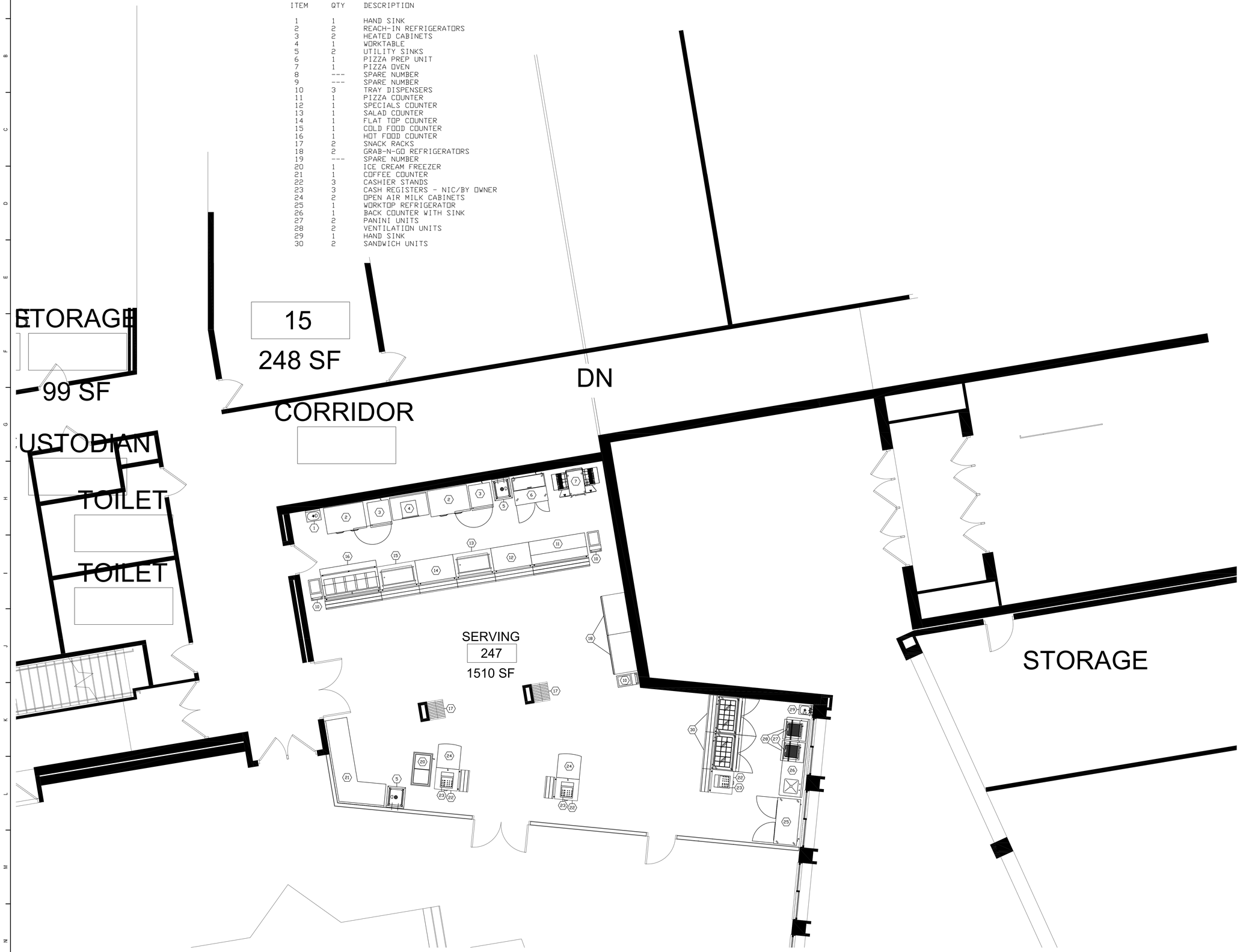
Miscellaneous Details

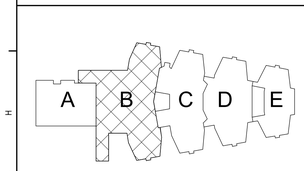
Drawn By:	Date:	Drawing Number:
TS	8/21/20	AA750

Project No.:
121111-19002

FOODSERVICE EQUIPMENT SCHEDULE

ITEM	QTY	DESCRIPTION
1	1	HAND SINK
2	2	REACH-IN REFRIGERATORS
3	2	HEATED CABINETS
4	1	WORKTABLE
5	2	UTILITY SINKS
6	1	PIZZA PREP UNIT
7	1	PIZZA OVEN
8	---	SPARE NUMBER
9	---	SPARE NUMBER
10	3	TRAY DISPENSERS
11	1	PIZZA COUNTER
12	1	SPECIALS COUNTER
13	1	SALAD COUNTER
14	1	FLAT TOP COUNTER
15	1	COLD FOOD COUNTER
16	1	HOT FOOD COUNTER
17	2	SNACK RACKS
18	2	GRAB-N-GO REFRIGERATORS
19	---	SPARE NUMBER
20	1	ICE CREAM FREEZER
21	1	COFFEE COUNTER
22	3	CASHIER STANDS
23	3	CASH REGISTERS - NIC/BY OWNER
24	2	OPEN AIR MILK CABINETS
25	1	WORKTOP REFRIGERATOR
26	1	BACK COUNTER WITH SINK
27	2	PANINI UNITS
28	2	VENTILATION UNITS
29	1	HAND SINK
30	2	SANDWICH UNITS





Key Plan
N.T.S.

N

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

TETRA TECH
ARCHITECTS & ENGINEERS

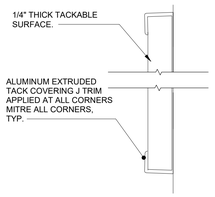
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

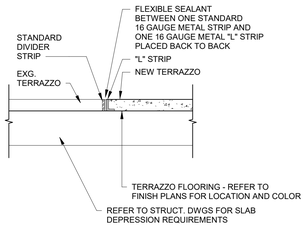
Serving Area Equipment Layout

Drawn By:	Date:	Drawing Number:
Author	8/21/20	AA800

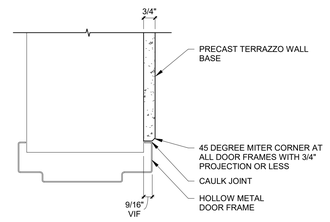
Project No.:
121111-19002



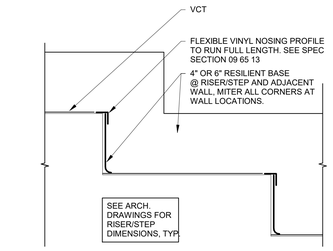
16 Wall Covering Trim Detail
12" = 1'-0"



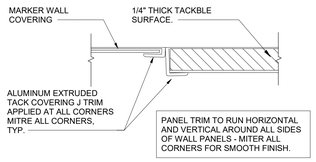
11 New to Existing Terrazzo
3" = 1'-0"



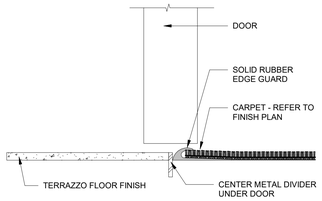
6 Terrazzo Base at HM Frame
3" = 1'-0"



1 Stair Treads and Riser Section
3" = 1'-0"

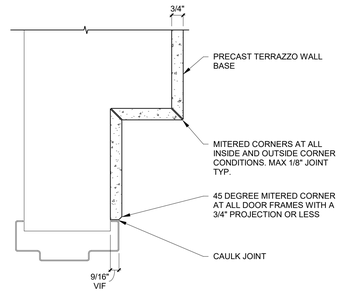


17 Wall Covering Trim Detail
12" = 1'-0"

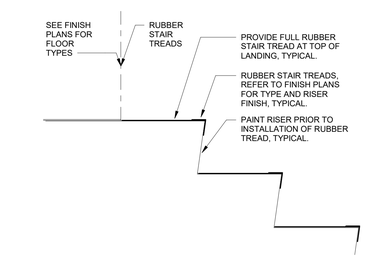


NOTE:
REFER TO SPECIFICATIONS FOR TRANSITION TYPES.
REFER TO FINISH PLANS FOR ALL LOCATIONS, TYPICAL.
THRESHOLD TO MEET ALL ADA CRITERIA.
RATED DOOR UNDERCUT DISTANCE TO MEET REQUIRED NFPA CRITERIA.

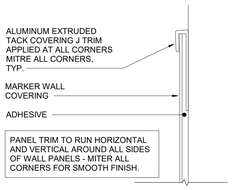
12 Threshold Detail
6" = 1'-0"



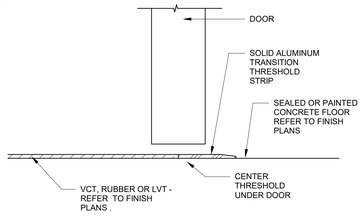
7 Terrazzo Base with Mitered Corner
3" = 1'-0"



2 Rubber Stair Tread
1 1/2" = 1'-0"

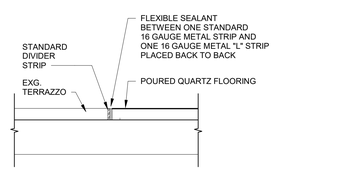


18 Wall Covering Trim Detail -Top
12" = 1'-0"

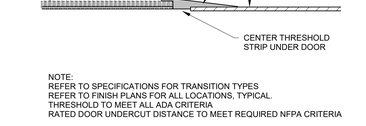


NOTE:
REFER TO SPECIFICATIONS FOR TRANSITION TYPES.
REFER TO FINISH PLANS FOR ALL LOCATIONS, TYPICAL .
THRESHOLD TO MEET ALL ADA CRITERIA
RATED DOOR UNDERCUT DISTANCE TO MEET REQUIRED NFPA CRITERIA.

13 Threshold Detail
6" = 1'-0"

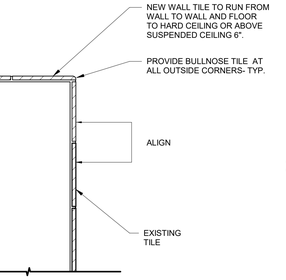


8 Existing Terrazzo to Quartz Flooring
3" = 1'-0"

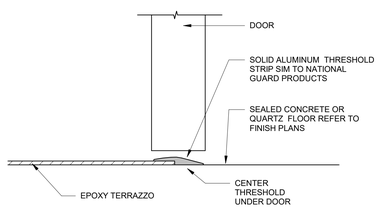


NOTE:
REFER TO SPECIFICATIONS FOR TRANSITION TYPES
REFER TO FINISH PLANS FOR ALL LOCATIONS, TYPICAL.
THRESHOLD TO MEET ALL ADA CRITERIA
RATED DOOR UNDERCUT DISTANCE TO MEET REQUIRED NFPA CRITERIA

3 Threshold Detail
6" = 1'-0"

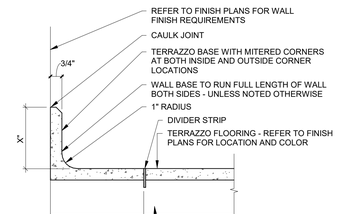


19 New to Existing Ceramic Tile Bull Nose
3" = 1'-0"

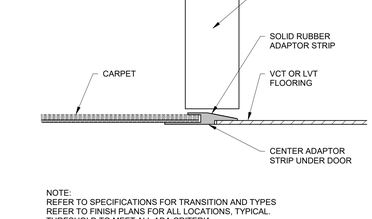


NOTE:
REFER TO SPECIFICATIONS FOR TRANSITION TYPES.
REFER TO FINISH PLANS FOR ALL LOCATIONS, TYPICAL .
THRESHOLD TO MEET ALL ADA CRITERIA
RATED DOOR UNDERCUT DISTANCE TO MEET REQUIRED NFPA CRITERIA.

14 Threshold Detail
6" = 1'-0"

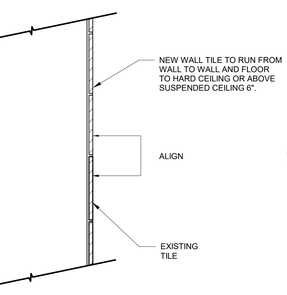


9 Terrazzo Base
3" = 1'-0"

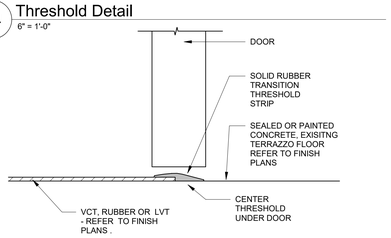


NOTE:
REFER TO SPECIFICATIONS FOR TRANSITION AND TYPES
REFER TO FINISH PLANS FOR ALL LOCATIONS, TYPICAL.
THRESHOLD TO MEET ALL ADA CRITERIA
RATED DOOR UNDERCUT DISTANCE TO MEET REQUIRED NFPA CRITERIA

4 Threshold Detail
6" = 1'-0"

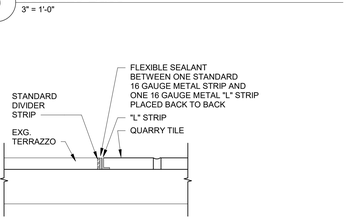


20 New to Existing Ceramic Tile - Plan
3" = 1'-0"

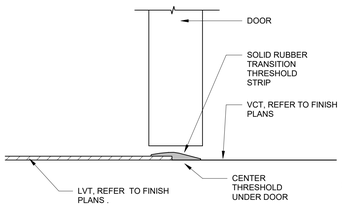


NOTE:
REFER TO SPECIFICATIONS FOR TRANSITION TYPES.
REFER TO FINISH PLANS FOR ALL LOCATIONS, TYPICAL .
THRESHOLD TO MEET ALL ADA CRITERIA
RATED DOOR UNDERCUT DISTANCE TO MEET REQUIRED NFPA CRITERIA.

15 Threshold Detail
6" = 1'-0"



10 Quarry Tile to Existing Terrazzo
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.

5 Threshold Detail
6" = 1'-0"

21 Threshold Detail
6" = 1'-0"

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:
- FEC 'S, LADDERS, BEAMS, DOOR/FRAMES - BOTH SIDES
GLAZING FRAMES IN DOOR/WALLS- BOTH SIDES, ALL EXPOSED STAIR PARTS INCLUDING RAILINGS, HAND AND GUARD RAILS, STRINGERS AND UNDERSIDES OF STAIRS, ALL ITEMS ARE TO BE ACCENT COLORS.

D. PATTERNS FOR FLOORS/ WALLS WILL BE ISSUES 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 REQUIRMENTS ARE TO INCLUDE BUT NOT LIMITED TO:
- CERAMIC TILE, BOTH WALL AND FLOOR.
- PORCELAIN BASE
- QUARRY TILE
- TERRAZZO AND BASE
- CARPET
- VCT
- LVT
- RUBBER

E. FIELD AND ACCENT PAINT AS SHOWN ON DRAWINGS 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
- GUARDRAILS, ACCENT COLOR
- HANDRAILS, ACCENT COLOR
- EXPOSED DECKS, ACCENT COLOR
- EXPOSED JOISTS, ACCENT COLOR
- EXPOSED DUCTWORK, ACCENT COLOR

F. PAINT MECHANICAL ROOM FLOOR CURBS CAUTION YELLOW.

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

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

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

J.. CERAMIC WALL TILE IS TO RUN FLOOR TO CEILING UNO.

K. CERAMIC WALL TILE IN SHOWERS AND/OR TOILET ROOMS TO RUN FLOOR TO CEILING UNO.

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

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

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

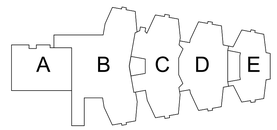
O. FOR ALL RENOVATED AREAS REQUIRING FINISH WORK REMOVE, PROTECT AND REINSTALL MOVABLE EQUIPMENT INCLUDING BUT NOT LIMITED TO: BOARD UNITS, LOCKERS GYM EQUIPMENT, SHADES/BLINDS, BOOKCASES ETC. REINSTALL IN ORIGINAL LOCATION, OR AS NOTED ON DRAWINGS. COORDINATE WITH OWNER. REFER TO SPEC SECTION O1 23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

P. 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.

Q. 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.

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

REFER TO DRAWING AA930 FOR GENERAL WOOD CASEWORK NOTES
REFER TO DRAWING AA400 FOR ROOM FINISH KEY
REFER TO DRAWING AA400 FOR WINDOW TREATMENT KEY



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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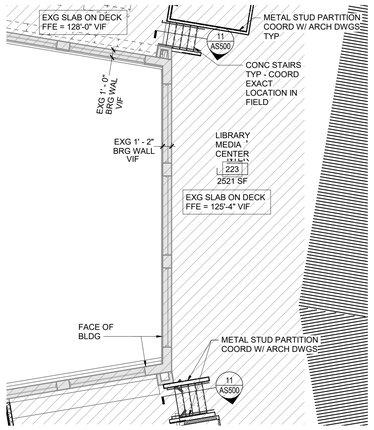
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

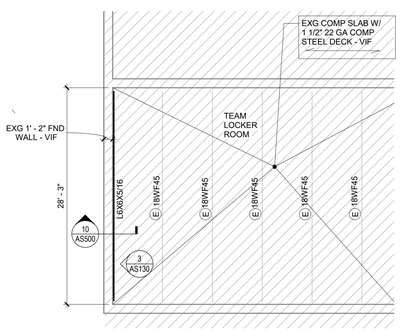
Reconstruction To:
Mahopac High School

Details

Drawn By:	Date:	Drawing Number:
TS	8/21/20	AA940
Project No.: 121111-19002		

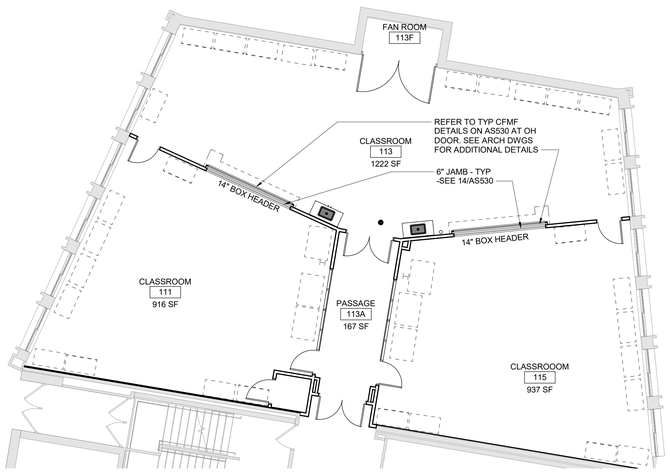


4 Partial Second Floor Plan
1/8" = 1'-0"

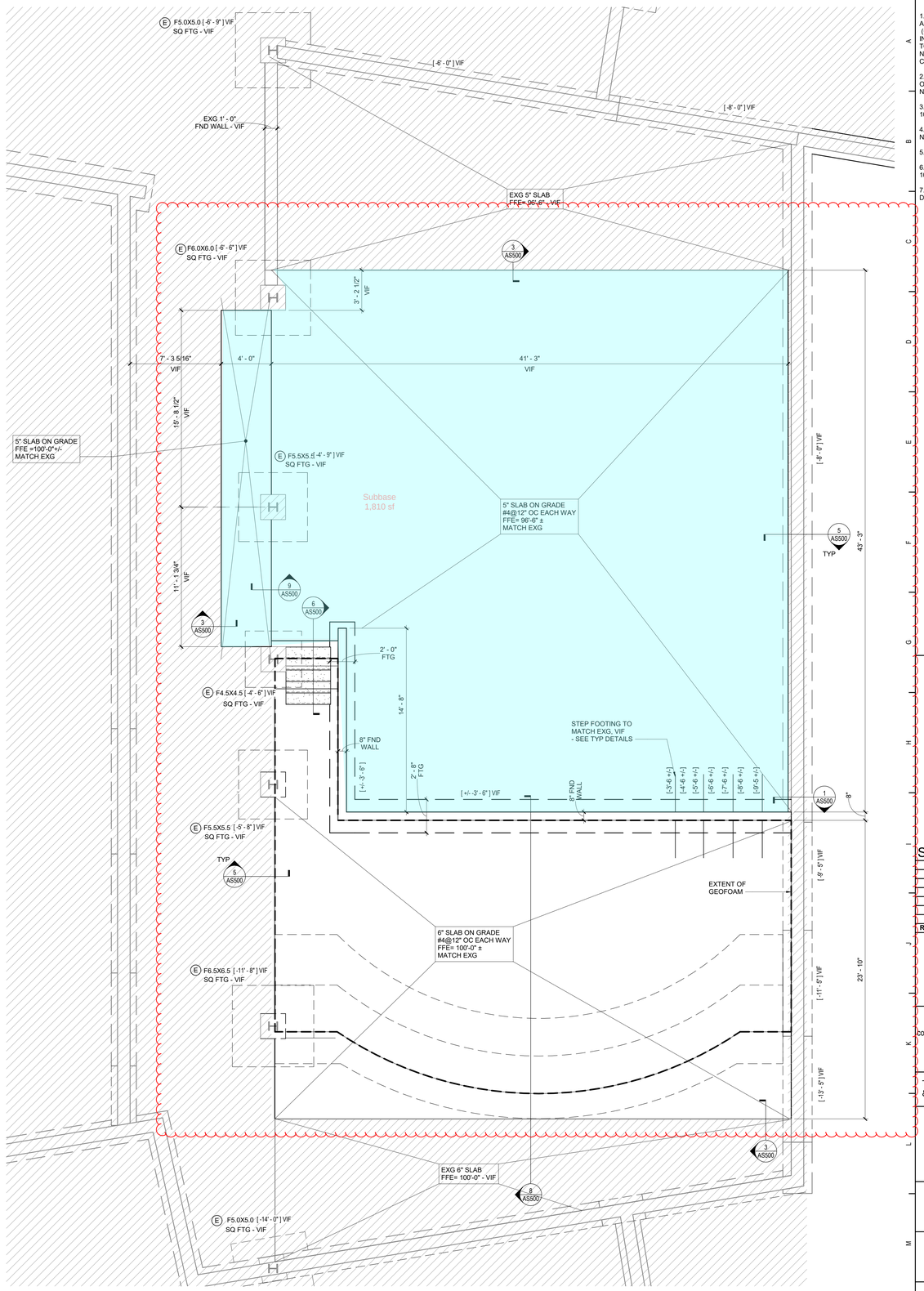


2 Partial Framing Plan - Area B
1/8" = 1'-0"
DATUMN FOR EXG TOS IS AT 123'-4 1/2" - VIF

3 Photo of Exg Corroded Deck
NTS



5 Partial First Floor Framing Plan - Area B
1/8" = 1'-0"



1 Partial Foundation Plan - Area D
1/4" = 1'-0"

NOTES

1. 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.

2. BOTTOM OF NEW FOOTING ELEVATIONS ARE TO MATCH THE BOTTOM OF ADJACENT EXISTING FOOTING ELEVATIONS UNLESS OTHERWISE NOTED.

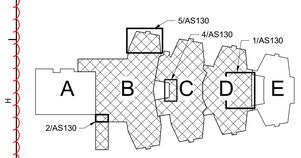
3. TOP OF INTERIOR FOOTING ELEVATION IS [-8] FROM DATUM ELEVATION 100'-0", UNLESS INDICATED AS [-XX'-XX] ON PLAN.

4. ALL CONTINUOUS FOOTINGS ARE 2'-0" WIDE UNLESS OTHERWISE NOTED.

5. REFER TO SHEET AS530 FOR GENERAL NOTES AND DETAILS.

6. TOP OF FOUNDATION WALL ELEVATION IS EQUAL TO DATUM ELEVATION 100'-0" UNO.

7. REFER TO SHEET AS500 FOR TYPICAL FOUNDATION WALL AND SLAB DETAILS.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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BID SET

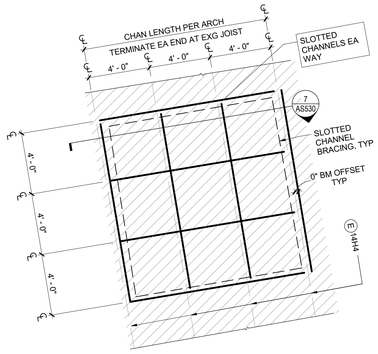
TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Partial Foundation and Framing Plans

Drawn By:	Date:	Drawing Number:
DJB/wjs	08/21/20	AS130
Project No.: 121111-19002		

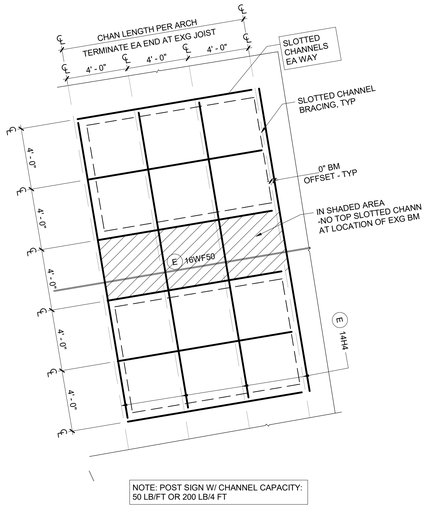


NOTE: POST SIGN W/ CHANNEL CAPACITY:
50 LB/FT OR 200 LB/4 FT

2 Enlarged Partial Roof Framing Plan - Area D

1/4" = 1'-0"

DATUM FOR EXG TOP OF STEEL IS AT 139'-0" VIF UNO

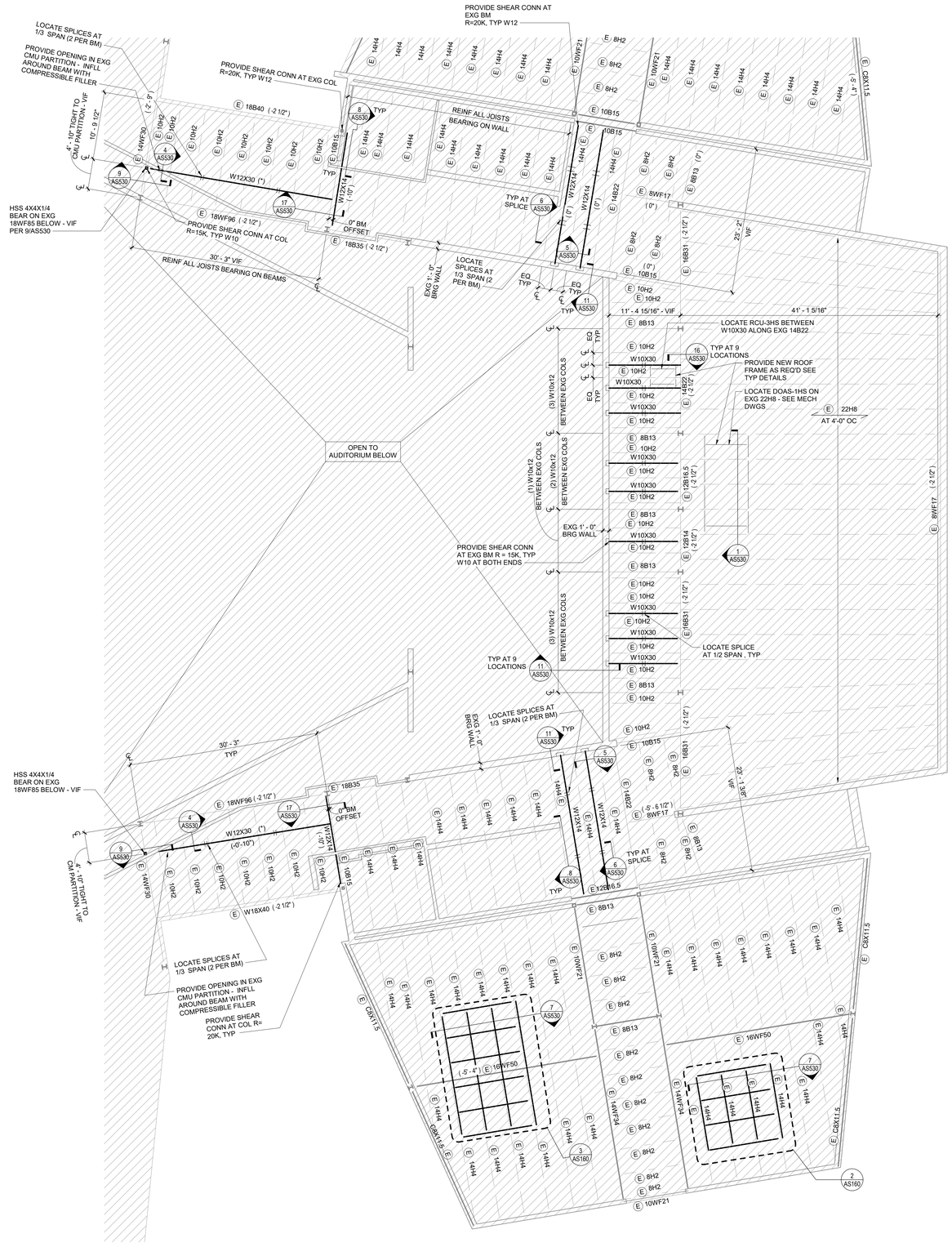


NOTE: POST SIGN W/ CHANNEL CAPACITY:
50 LB/FT OR 200 LB/4 FT

3 Enlarged Partial Roof Framing Plan - Area D

1/4" = 1'-0"

DATUM FOR EXG TOP OF STEEL IS AT 139'-0" VIF UNO



1 Partial Roof Framing Plan-Area D

1/8" = 1'-0"

DATUM FOR EXG TOP OF STEEL IS AT 133'-8" VIF UNO

NOTES

1. 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.

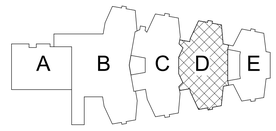
2. REFER TO SHEET AS500 FOR GENERAL NOTES, LINTEL SHEDULE AND SPECIFIC LINTEL DETAILS

3. REFER TO SHEET AS500 AND AS530 FOR TYPICAL DETAILS.

4. 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.

5. (*) = LOCATION AND ELEVATION OF BEAM MAY REQUIRE EXG DUCTWORK TO BE REINSTALLED ABOVE BM.

6. AT LOCATIONS OF NEW BEAMS, REMOVE AND REPLACE EXG UTILITES AS REQUIRED. COODINGAT WITH ELEC,MECH, AND PLBG DWGS.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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ARCHITECTS & ENGINEERS

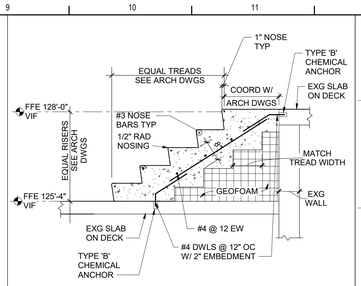
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Partial Roof Framing Plan - Area D

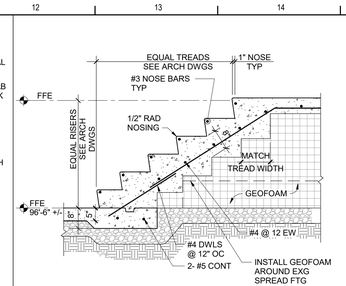
Drawn By:	Date:	Drawing Number:
DJB/wjs	08/21/20	AS160

Project No.: 121111-19002



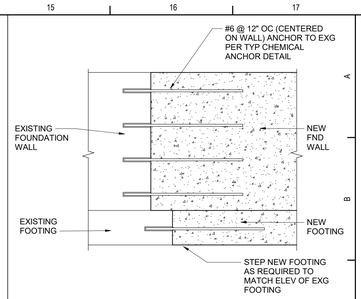
11 Typ Interior Stair Section On Deck

1/2" = 1'-0"



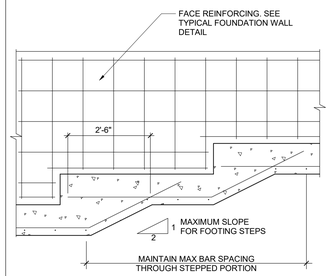
6 Typical Interior Stair Section On Grade

1/2" = 1'-0"



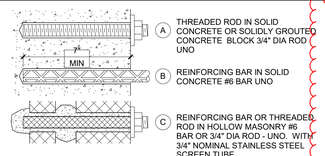
1 Typ New Foundation Wall at Existing

3/4" = 1'-0"



12 Typ Stepped Reinforced Footing

1/2" = 1'-0"



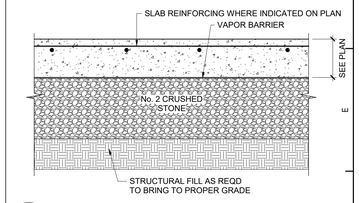
BAR/ROD SIZE	EMBEDMENT DEPTH
#4 OR 1/2"	5"
#5 OR 5/8"	6"
#6 OR 3/4"	7"
#7 OR 7/8"	8"
#8 OR 1"	9"

GENERAL NOTES
1. FOR ACCEPTABLE ADHESIVE PRODUCTS REFER TO SPECIFICATIONS.
2. COMPLY WITH MANUFACTURERS REQUIREMENTS FOR INSTALLATION.

7 Typical Chemical Anchors

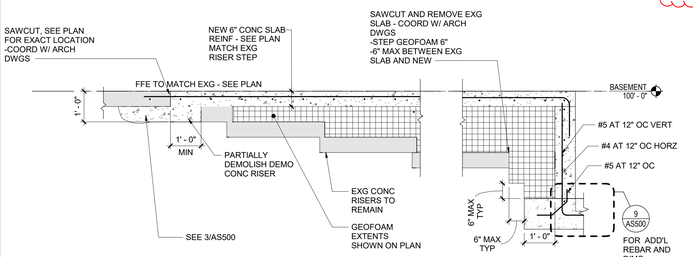
3" = 1'-0"

- SAW CUT CONTROL JOINTS WITHIN 12 HOURS OF CASTING SLAB
- JOINTS TO BE SPACED 15 FEET OC MAXIMUM OR AS NOTED ON PLAN
- VAPOR BARRIER TO BE CONTINUOUS AND OVERLAPPED NOT LESS THAN 6" AT ALL SEAMS. TAPE ALL SEAMS.
- EXTEND VAPOR BARRIER UP THE FACE OF EXTERIOR FOUNDATION WALLS (TERMINATE AT TOP OF SLAB ELEV) ALONG SLAB EDGE, AND SECURE/SEAL VAPOR BARRIER TO WALL WITH APPROVED MASTIC PER SPEC.



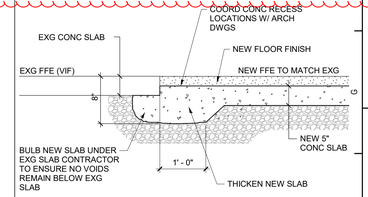
2 Typical Slab on Grade

1 1/2" = 1'-0"



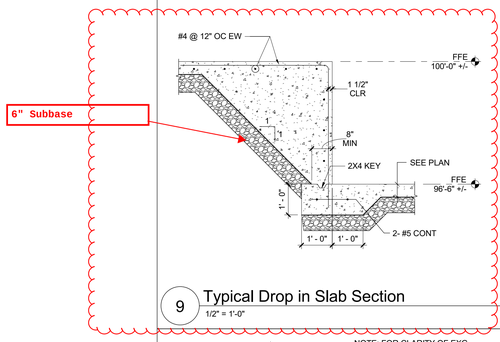
8 Section at Geofoam Infill

1/2" = 1'-0"



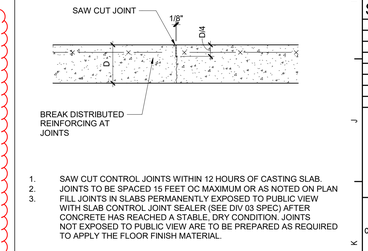
3 Typ New Slab at Existing Edge

3/4" = 1'-0"



9 Typical Drop in Slab Section

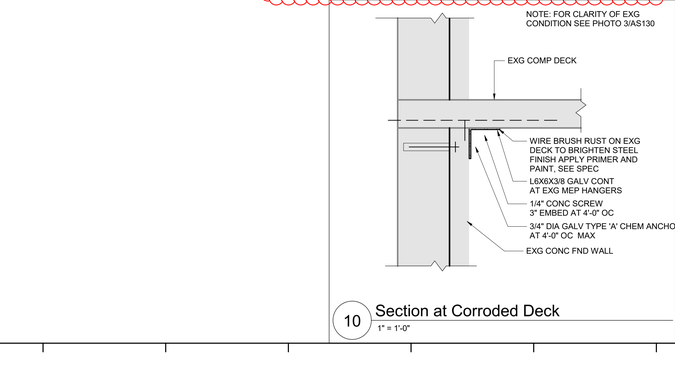
1/2" = 1'-0"



1. SAW CUT CONTROL JOINTS WITHIN 12 HOURS OF CASTING SLAB.
2. JOINTS TO BE SPACED 15 FEET OC MAXIMUM OR AS NOTED ON PLAN
3. FILL JOINTS IN SLABS PERMANENTLY EXPOSED TO PUBLIC VIEW WITH SLAB CONTROL JOINT SEALER (SEE DIV 03 SPEC) AFTER CONCRETE HAS REACHED A STABLE, DRY CONDITION. JOINTS NOT EXPOSED TO PUBLIC VIEW ARE TO BE PREPARED AS REQUIRED TO APPLY THE FLOOR FINISH MATERIAL.

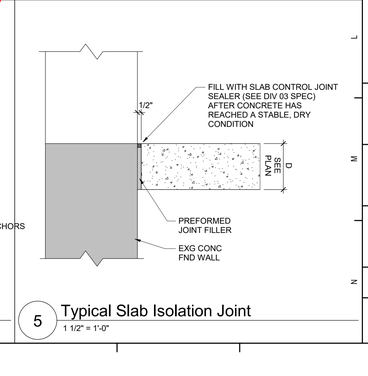
4 Typical Slab Control Joint

1 1/2" = 1'-0"



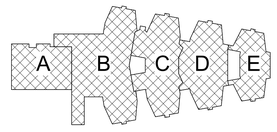
10 Section at Corroded Deck

1" = 1'-0"



5 Typical Slab Isolation Joint

1 1/2" = 1'-0"



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

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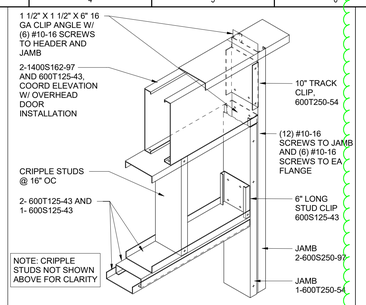
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

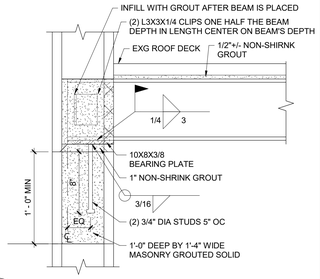
Foundation Details

Drawn By:	Date:	Drawing Number:
DJB/wjs	08/21/20	AS500

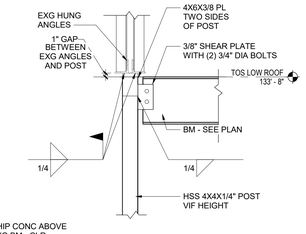
Project No.: 121111-19002



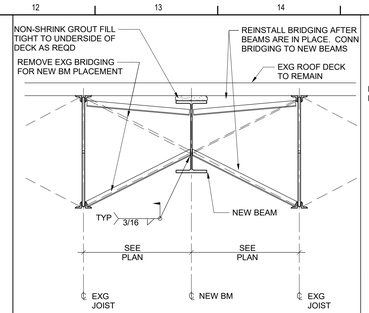
15 Typical Load Bearing Head
3/4" = 1'-0"



11 Typ Beam Bearing Detail
1 1/2" = 1'-0"

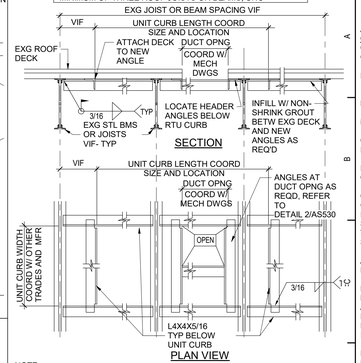


9 Section at Post
3/4" = 1'-0"



5 Typ Existing Bridging Detail
1" = 1'-0"

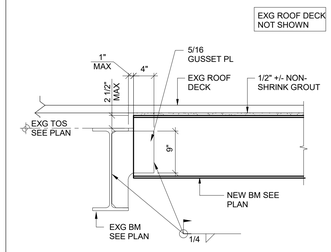
★ NOTE: NEW ROOF TOP UNIT MUST BE SUPPORTED BY A MINIMUM OF THREE ROOF JOISTS OR BEAMS, UNO



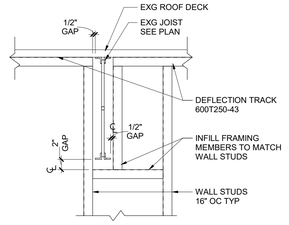
NOTE:
WELD ANGLE FRAME IN PLACE AND PROVIDE ADDITIONAL ANGLES AS REQD FOR EACH DUCT OPENING PER TYP DETAILS. ROOF TOP UNIT SHALL BE LOCATED AS REQD TO ALLOW DUCTS TO PASS BETWEEN EXG JOISTS OR BEAMS. COORD WITH OTHER TRADES, MECH DWGS AND MFR.

LOCATE ROOF TOP UNIT TO ENSURE EXISTING BRIDGING DOES NOT INTERFERE WITH INSTALLATION

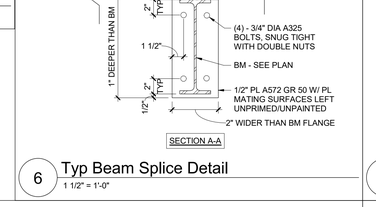
1 Typ Roof Frame at Exg for New RTUs
3/4" = 1'-0"



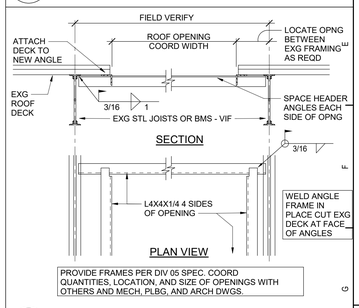
16 Typ New Beam Conn to Exg
1" = 1'-0"



12 Typ Stud Wall Around Exg Joists
1" = 1'-0"

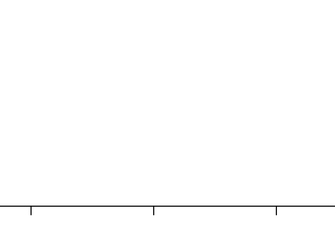


6 Typ Beam Splice Detail
1 1/2" = 1'-0"



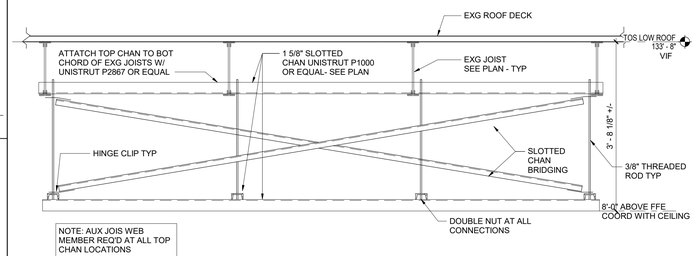
PROVIDE FRAMES PER DIV 05 SPEC. COORD QUANTITIES, LOCATION, AND SIZE OF OPENINGS WITH OTHERS AND MECH, PLBG, AND ARCH DWGS.

2 Typ Roof Frame - New Opng at Exg Roof
3/4" = 1'-0"



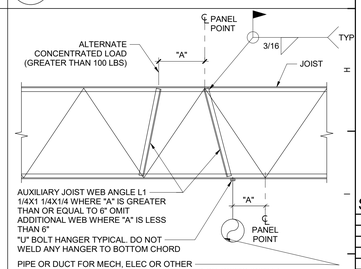
17 Beam to Beam Connection
1" = 1'-0"

13 Typ Deflection Track
3/4" = 1'-0"

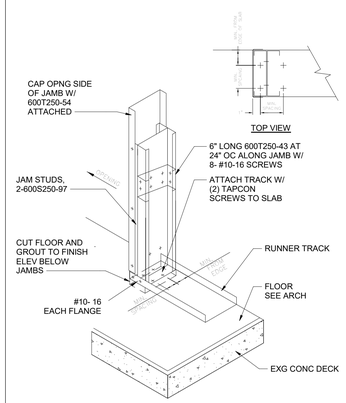


NOTE: AUX JOIS WEB MEMBER REQ'D AT ALL TOP CHAN LOCATIONS

7 Section at Hung Track System
3/4" = 1'-0"



3 Typ Aux Joist Web Member and Hanger
3/4" = 1'-0"



14 Typ Bot of Jamb Conn
3/4" = 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- L2 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

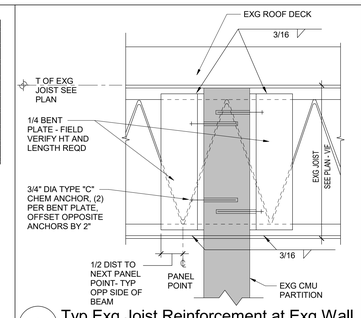
3. FOR 8", 12", AND 16" THICK WALLS: FOR EACH 4" THICKNESS OF WALL

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

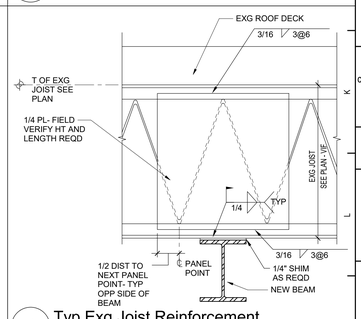
LINTEL NOTES

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.

10 Lintel Schedule
1/2" = 1'-0"



8 Typ Exg Joist Reinforcement at Exg Wall
1 1/2" = 1'-0"



4 Typ Exg Joist Reinforcement
1 1/2" = 1'-0"

STRUCTURAL LOADS

A. LIVE LOADS PER BCNYS 1607

OCCUPANCY OR USE	UNIFORM	CONCENTRATED
CLASSROOM	40 PSF	1000 LBS
OFFICES	50 PSF	2000 LBS

REDUCTION IN LIVE LOADS HAS BEEN APPLIED WHERE PERMITTED PER 1607.11

B. ROOF LOADS PER BCNYS 1607.13

MINIMUM ROOF LIVE LOAD	20 PSF

C. RAIN LOAD PER BCNYS 1611

RAIN INTENSITY, i	2.75 INCH/HR

RAIN SURCHARGE LOAD HAS BEEN APPLIED TO AREAS WHERE PONDING OCCURS IN ACCORDANCE WITH IBC SECTION 1611.

C. SNOW LOADS PER BCNYS 1608

GROUND SNOW LOAD, Pg (FIGURE 1608.2)	30 PSF
FLAT ROOF SNOW LOAD, Pf (ASCE-7)	23 PSF
SNOW EXPOSURE FACTOR, Ce	1.0
THERMAL FACTOR, Ct	1.0
SNOW LOAD IMPORTANCE FACTOR, Is	1.1

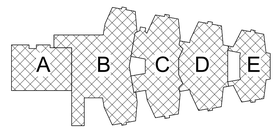
ADDITIONAL SNOW LOADS HAVE BEEN APPLIED TO AREAS WHERE DRIFTING OCCURS IN ACCORDANCE WITH BCNYS 1608.

D. WIND LOAD DESIGN CRITERIA PER BCNYS 1609

BASIC WIND SPEED (3 SECOND GUST), V	120 MPH
ALLOWABLE STRESS DESIGN WIND SPEED, Vasd	92.95 MPH
RISK CATEGORY	III
EXPOSURE CATEGORY	B
INTERNAL PRESSURE COEFFICIENT, GCPi	+/- 0.18

E. SEISMIC DESIGN CRITERIA PER BCNYS 1613

RISK CATEGORY	III
SEISMIC IMPORTANCE FACTOR Ie	1.25
MAPPED SPECTRAL RESPONSE ACCELERATION	
AT SHORT PERIODS, Ss	23.3%g
AT 1 SECOND PERIOD, S1	6.9%g
SITE CLASS	D
DESIGN SPECTRAL RESPONSE ACCELERATION	
AT SHORT PERIODS, SDS	24.9%g
AT 1 SECOND PERIOD, SD1	11.0%g
SEISMIC DESIGN CATEGORY	B



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Framing Details

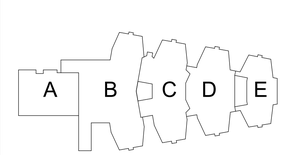
Drawn By:	Date:	Drawing Number:
DJB/wjs	08/21/20	AS530

Project No.: 121111-19002

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

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 OWNER AND ENGINEER 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 CC-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. CAREFULLY REMOVE EXISTING CEILING AND CEILING GRID TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. REINSTALL REMOVED CEILING PANELS AND CEILING GRID TO ORIGINAL CONDITION. REPLACE DAMAGED CEILING TILES AND GRID TO MATCH EXISTING.



Key Plan
N.T.S.

N

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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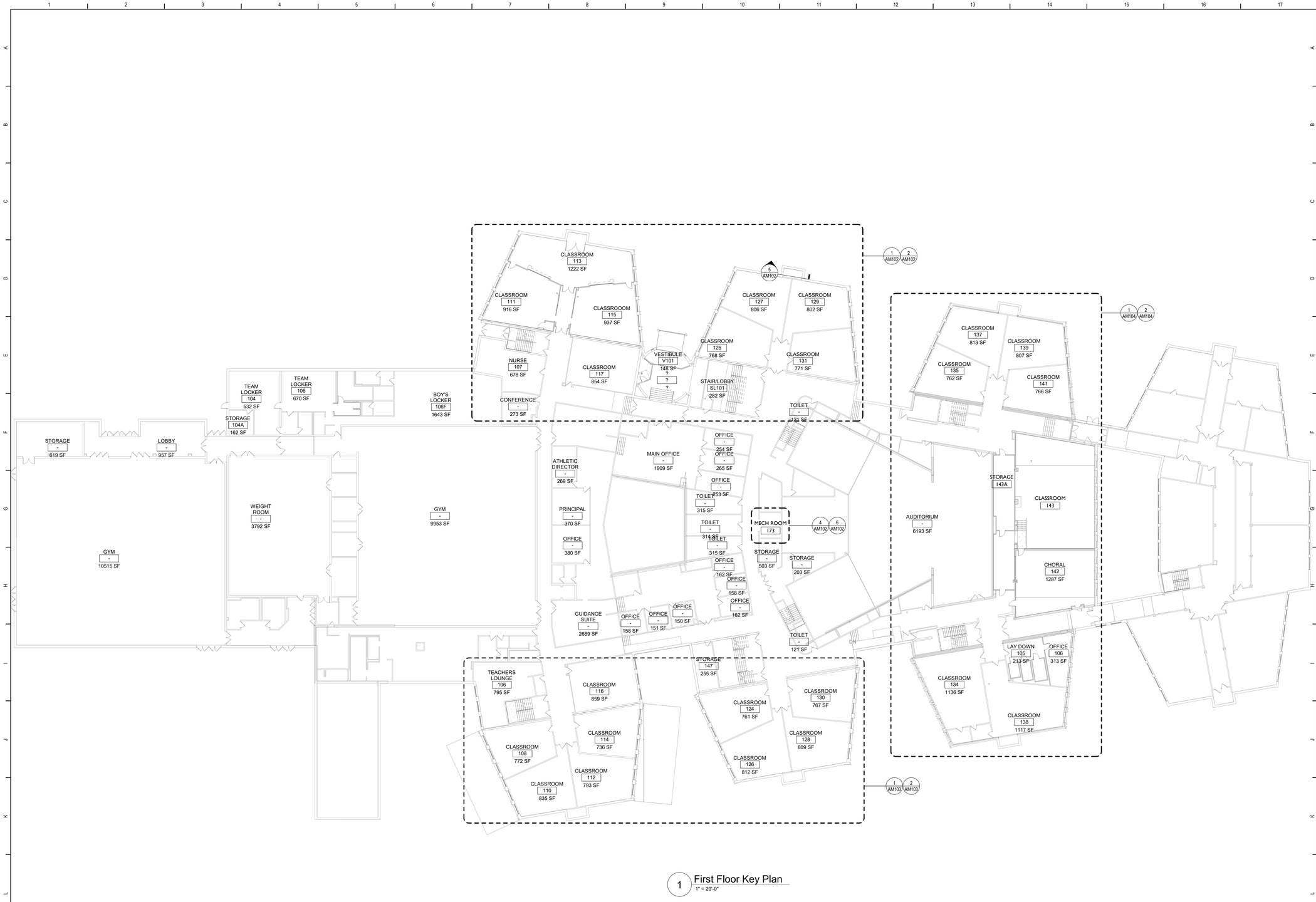
TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Ground Floor Key Plan

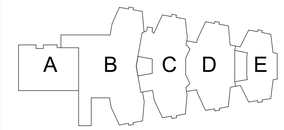
Drawn By:	Date:	Drawing Number:
DPM/jtk	8/21/20	AM050
Project No.: 121111-19002		



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

GENERAL NOTES:

1. FOR GENERAL NOTES SEE DRAWING AM050



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

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Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

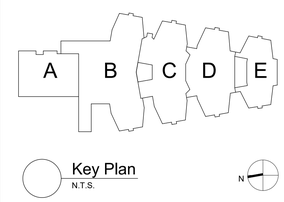
First Floor Key Plan

Drawn By:	Date:	Drawing Number:
DPM/jtk	8/21/20	AM051
Project No.: 121111-19002		

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

GENERAL NOTES:

1. FOR GENERAL NOTES SEE DRAWING AM050



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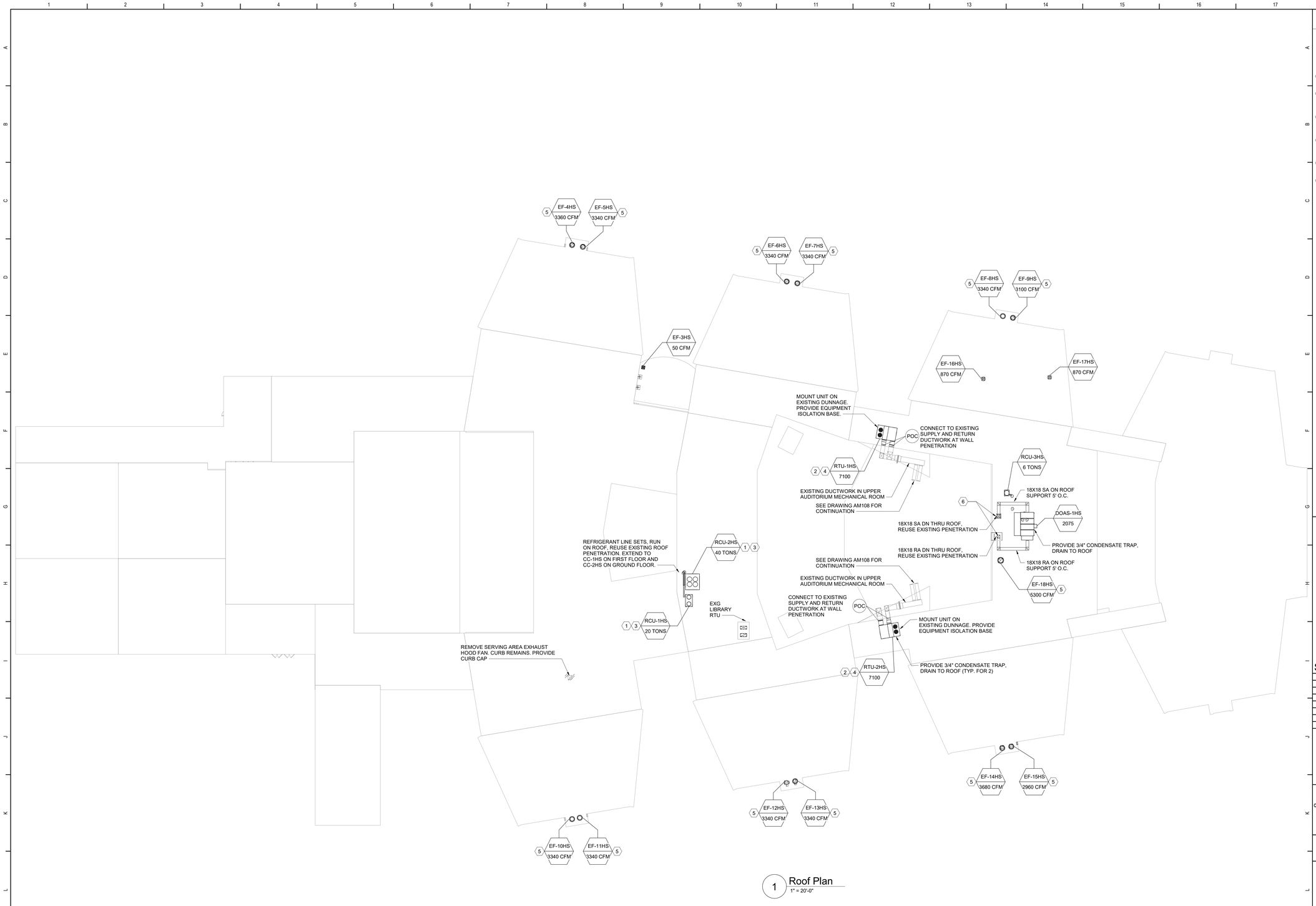
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Second Floor Key Plan

Drawn By:	Date:	Drawing Number:
DPM/jtk	8/21/20	AM052
Project No.: 121111-19002		



1 Roof Plan
1" = 20'-0"

GENERAL NOTES:

1. FOR GENERAL NOTES SEE DRAWING AM050

KEYED NOTES

1. REMOVE AIR COOLED CONDENSING UNIT AND CONNECTED REFRIGERANT TUBING.
2. REMOVE ROOF TOP UNIT. DISCONNECT SUPPLY AND RETURN DUCTWORK FROM WALL PENETRATION TO UNIT OPENINGS. EXISTING DUNNAGE REMAINS.
3. MOUNT AIR COOLED CONDENSING UNIT ON BASE MOUNTING RAIL.EXTEND REFRIGERANT TUBING TO RESPECTIVE DX COOLING COIL.
4. MOUNT ROOF TOP UNIT ON EXISTING DUNNAGE. EXTEND SUPPLY AND RETURN FROM UNIT AND CONNECT TO EXISTING DUCTWORK. INSULATE DUCTWORK AS REQUIRED IN SPECIFICATION.
5. REMOVE EXHAUST FAN AND CURB. INSTALL NEW FAN AND CURB. MODIFY ROOF PENETRATION AS REQUIRED TO COMPLETE WORK.
6. REMOVE INTAKE/EXHAUST HOOD. REMOVE INTAKE/EXHAUST DAMPER AND ASSOCIATED CONTROLS.

Key Plan
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S.E.D. Control No. 48-01-01-06-0-004-020

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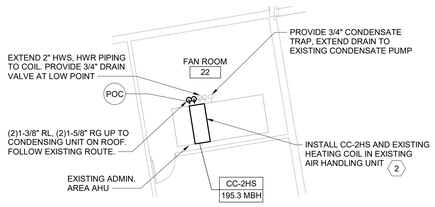
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

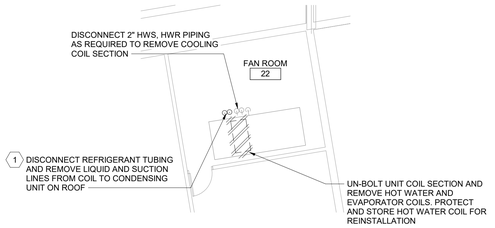
Roof Plan

Drawn By:	Date:	Drawing Number:
DPM/jtk	8/21/20	AM053

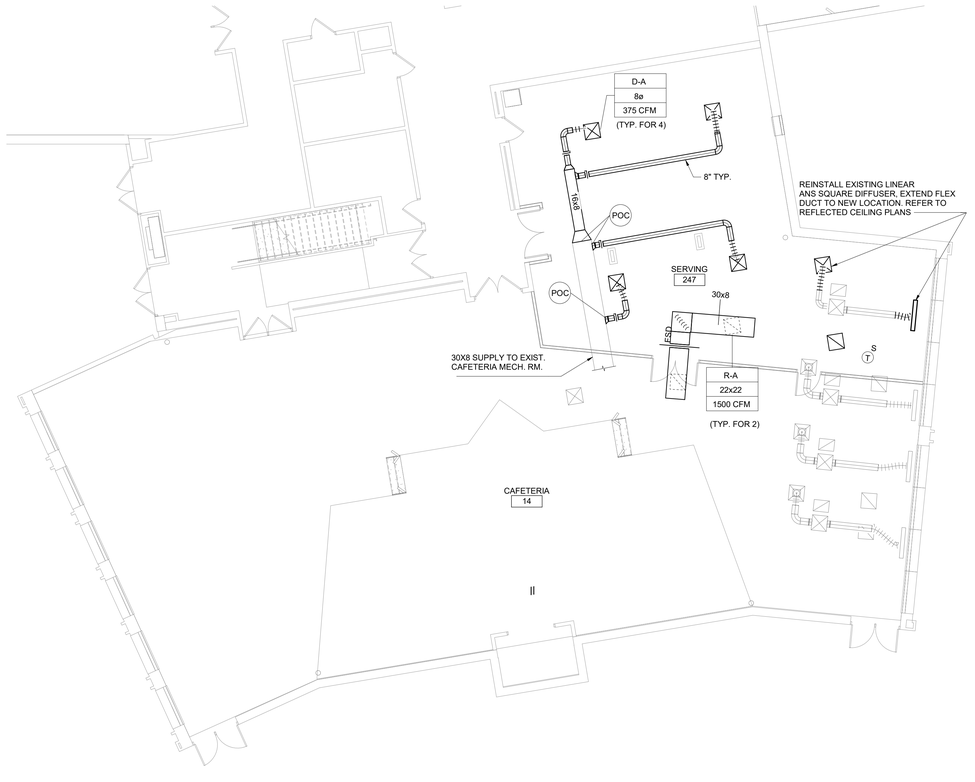
Project No.: 121111-19002



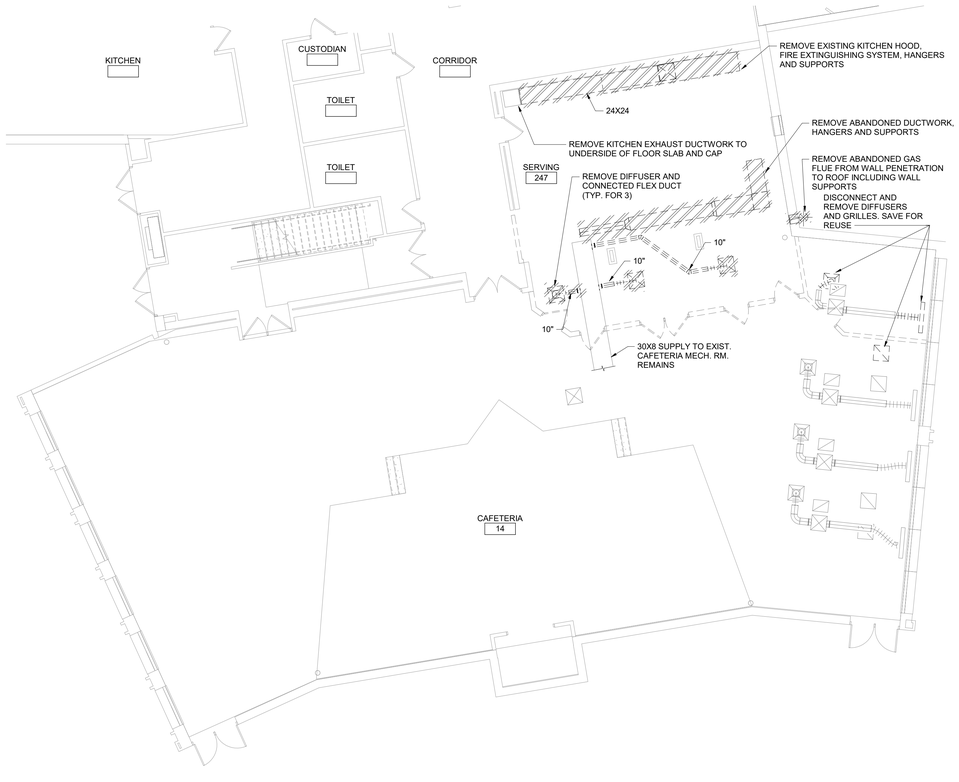
3 Partial Ground Floor Plan - Area B
1/8" = 1'-0"



1 Partial Ground Floor Demolition Plan - Area B
1/8" = 1'-0"



4 Partial Ground Floor Plan - Area B
1/8" = 1'-0"



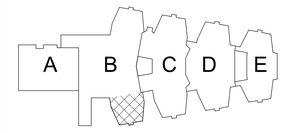
2 Partial Ground Floor Demolition Plan - Area B
1/8" = 1'-0"

GENERAL NOTES:

1. FOR GENERAL NOTES SEE DRAWING AM050

KEYED NOTES

1. EVACUATE R-22 REFRIGERANT FROM UNIT DIRECT EXPANSION COIL AND DISPOSE. REMOVE COIL AND CONNECTED REFRIGERANT TUBING UP TO CONDENSING UNIT ON ROOF.
2. PROVIDE DX COOLING COIL IN EXISTING AIR HANDLING UNIT. EXTEND NEW REFRIGERANT TUBING UP TO NEW CONDENSING UNIT ON ROOF. REFER TO COOLING COIL SCHEDULES FOR PERFORMANCE DATA.



Key Plan
N.T.S.

N

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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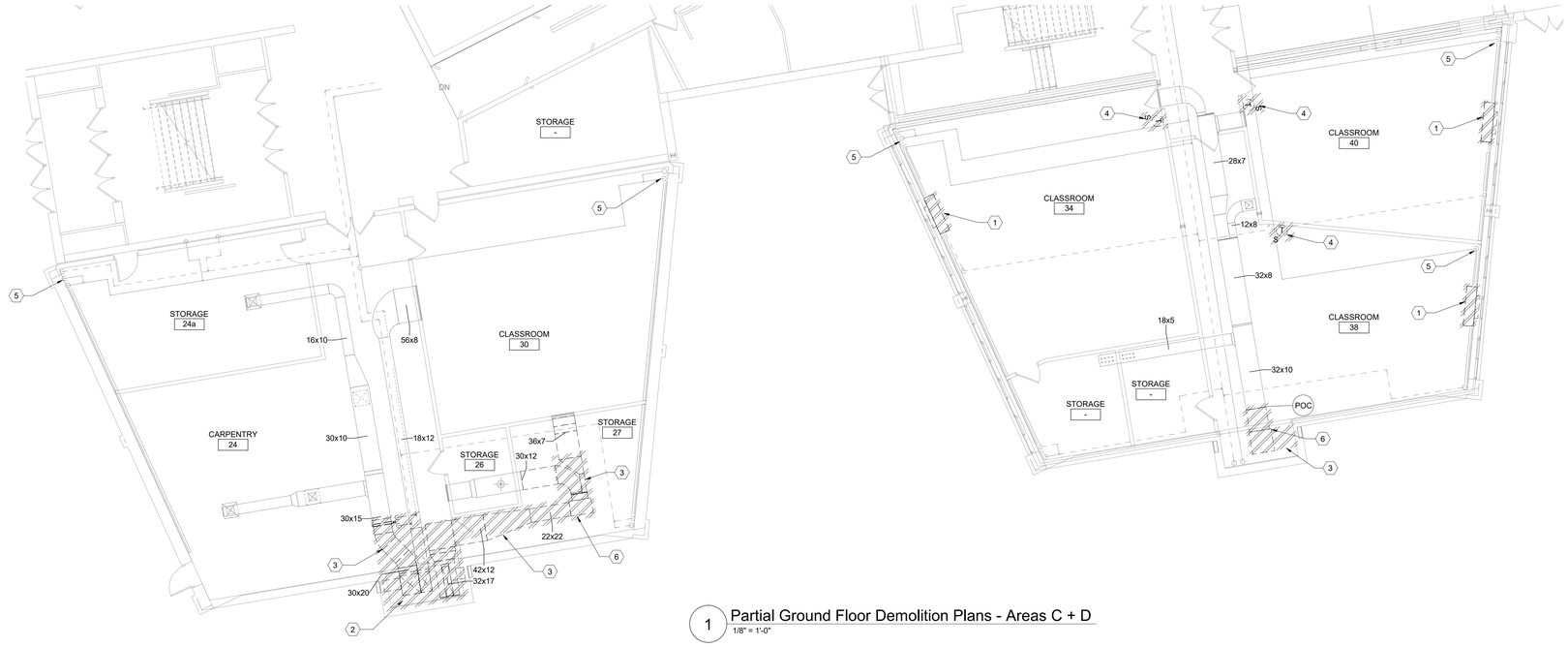
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

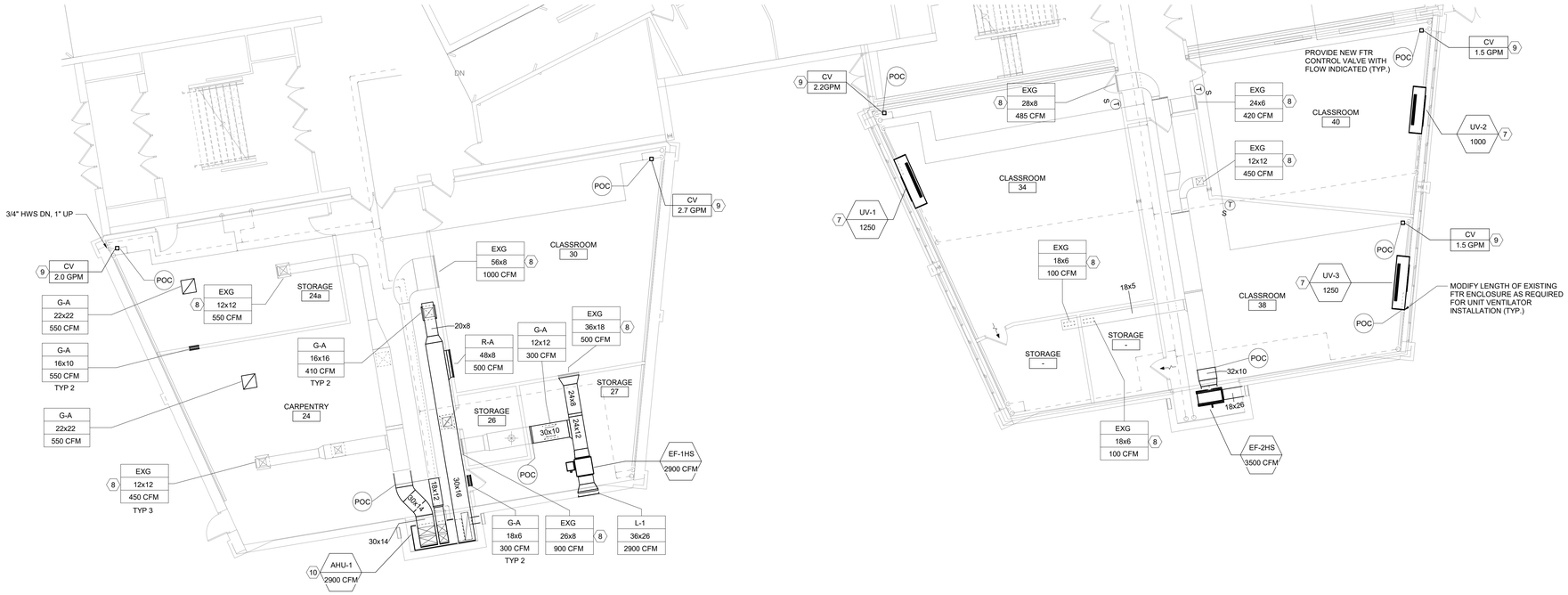
Partial Ground Floor Plans - Area B

Drawn By:	Date:	Drawing Number:
DPM/jtk	8/21/20	AM100

Project No.: 121111-19002



1 Partial Ground Floor Demolition Plans - Areas C + D
1/8" = 1'-0"



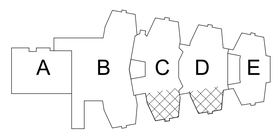
2 Partial Ground Floor Plans - Areas C + D
1/8" = 1'-0"

GENERAL NOTES:

1. FOR GENERAL NOTES SEE DRAWING AM050

KEYED NOTES

1. DISCONNECT HOT WATER PIPING AND REMOVE UNIT VENTILATOR. REMOVE PIPING INSIDE CABINET ENCLOSURE FROM COIL UP TO AND INCLUDING MANUAL SHUT OFF VALVES, CONTROL VALVES, BALANCE VALVES, AND FITTINGS. LOUVER AND WALL BOX TO REMAIN. CLEAN AND PREPARE OPENING TO RECEIVE NEW WORK.
2. REMOVE HEATING AND VENTILATION (H&V) UNIT. REMOVE HOT WATER PIPING FROM COIL UP TO AND INCLUDING MANUAL SHUT OFF VALVES, CONTROL VALVES, BALANCE VALVES, AND FITTINGS. REMOVE OUTSIDE AIR INTAKE DUCT FROM UNIT TO LOUVER INCLUDING DAMPER AND ACTUATOR. LOUVER REMAINS. REMOVE MULTI-ZONE SUPPLY DUCTWORK FROM UNIT TO LOCATION INDICATED ON DRAWING INCLUDING ZONE DAMPER. REMOVE ZONE DAMPER ACTUATOR AND SAVE FOR RE-USE. REMOVE RETURN AIR DUCTWORK TO LOCATION INDICATED ON DRAWING INCLUDING DAMPER. REMOVE EXHAUST AIR DUCTWORK FROM RETURN DUCTWORK CONNECTION TO UNDERSIDE OF ROOF DECK.
3. REMOVE DUCTWORK INCLUDING REGISTERS, GRILLES, DIFFUSERS, HANGERS AND SUPPORTS TO LOCATION INDICATED.
4. REMOVE SPACE TEMPERATURE SENSOR AND CONNECTED WIRING.
5. REMOVE FINNED TUBE CONTROL VALVE. PLUG EXISTING PNEUMATIC TUBING.
6. REMOVE UTILITY SET FAN, CONTROLS, HANGERS AND SUPPORTS AND CONNECTED DUCTWORK TO LOCATION INDICATED.
7. INSTALL UNIT VENTILATOR. CENTER UNIT WITH OUTSIDE AIR OPENING. EXTEND HOT WATER PIPING TO UNIT. PROVIDE SHUT-OFF VALVES, BALANCE VALVE, ETC. AS INDICATED ON COIL PIPING DETAIL. INSTALL SPACE TEMPERATURE SENSOR IN LOCATION INDICATED.
8. DISCONNECT SUPPLY DIFFUSER, RETURN/EXHAUST GRILLE OR REGISTER, CLEAN THOROUGHLY AND REINSTALL. BALANCE AIRFLOW TO CFM INDICATED.
9. PROVIDE NEW FTR CONTROL VALVE WITH FLOW INDICATED (TYP.)
10. SEE 5/AM102 FOR MORE INFORMATION.



Key Plan
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S.E.D. Control No. 48-01-01-06-0-004-020

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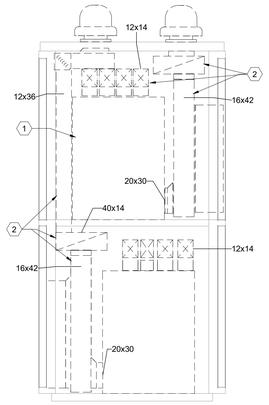
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

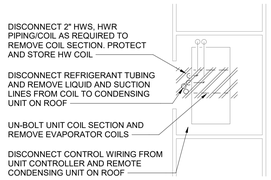
Partial Ground Floor Plans Areas C and D

Drawn By:	Date:	Drawing Number:
DPM/jtk	8/21/20	AM101

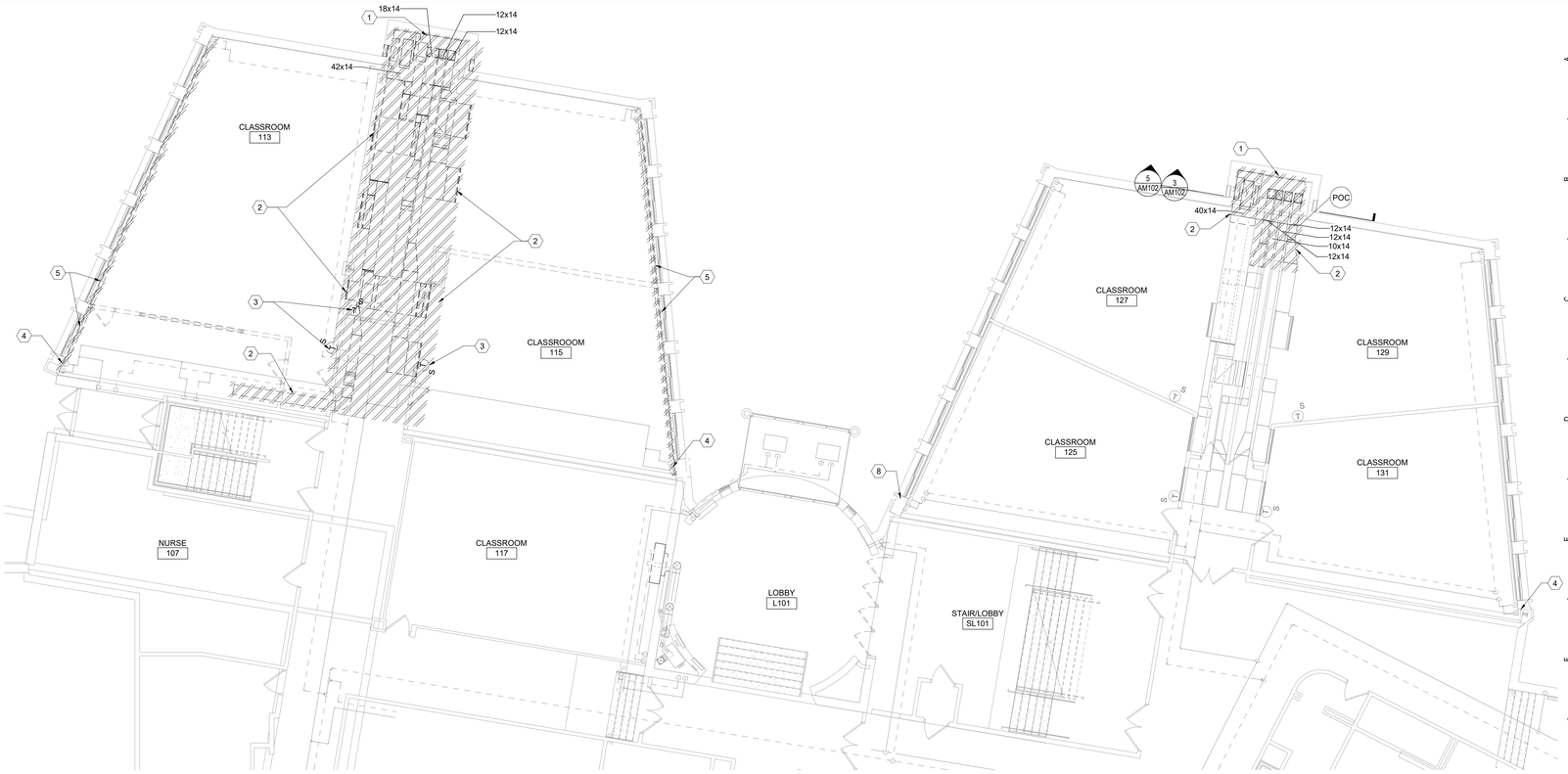
Project No.:
121111-19002



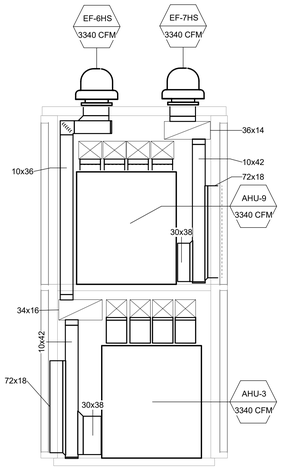
3 Typical Fan Room Demolition Plan
1/4" = 1'-0"



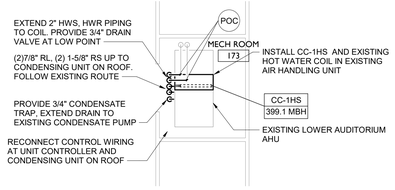
4 Partial First Floor Demolition Plan - Area C
1/8" = 1'-0"



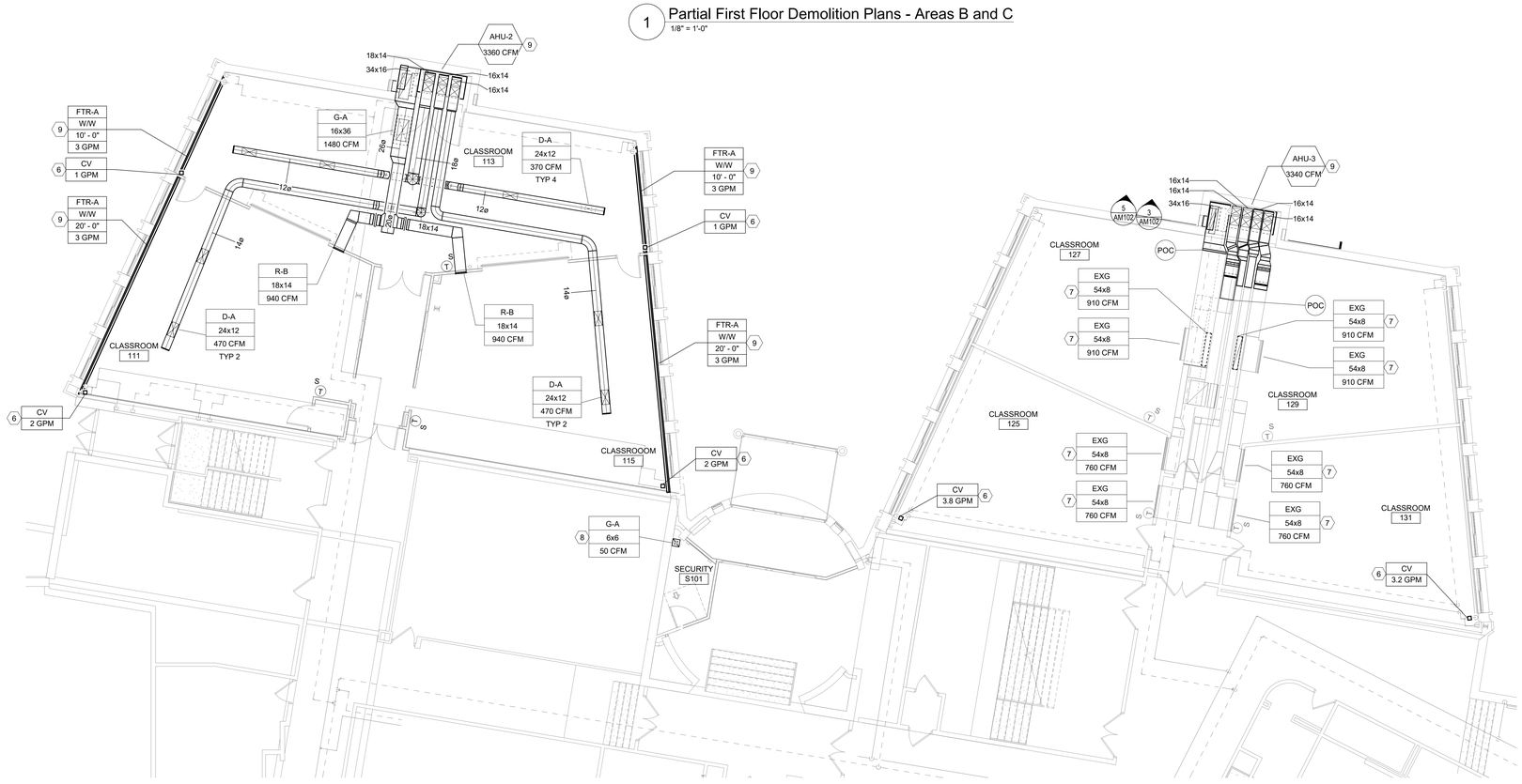
1 Partial First Floor Demolition Plans - Areas B and C
1/8" = 1'-0"



5 Typical Fan Room Plan
1/4" = 1'-0"



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



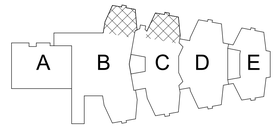
2 Partial First Floor Plans - Areas B and C
1/8" = 1'-0"

GENERAL NOTES:

1. FOR GENERAL NOTES SEE DRAWING AM050

KEYED NOTES

1. REMOVE HEATING AND VENTILATION (H&V) UNIT. REMOVE HOT WATER PIPING FROM COIL UP TO AND INCLUDING MANUAL SHUT OFF VALVES, CONTROL VALVES, BALANCE VALVES, AND FITTINGS. REMOVE OUTSIDE AIR INTAKE DUCT FROM UNIT TO LOUVER INCLUDING DAMPER AND ACTUATOR. LOUVER REMAINS. REMOVE MULTI-ZONE SUPPLY DUCTWORK FROM UNIT TO LOCATION INDICATED ON DRAWING INCLUDING ZONE DAMPER. REMOVE ZONE DAMPER ACTUATOR AND SAVE FOR RE-USE. REMOVE RETURN AIR DUCTWORK TO LOCATION INDICATED ON DRAWING INCLUDING DAMPER. REMOVE EXHAUST AIR DUCTWORK FROM RETURN DUCTWORK CONNECTION TO UNDERSIDE OF ROOF DECK.
2. REMOVE DUCTWORK INCLUDING REGISTERS, GRILLES, DIFFUSERS, HANGERS AND SUPPORTS TO LOCATION INDICATED.
3. REMOVE SPACE TEMPERATURE SENSOR AND CONNECTED WIRING.
4. REMOVE FINNED TUBE CONTROL VALVE. PLUG EXISTING PNEUMATIC TUBING.
5. REMOVE FINNED TUBE ENCLOSURE INCLUDING BACK-PLATE, COVER, SUPPORTS, PIPE HANGERS, CRADLES, FINNED TUBE ELEMENTS AND CONNECTED PIPING.
6. PROVIDE NEW FTR CONTROL VALVE WITH FLOW INDICATED
7. DISCONNECT RETURN/EXHAUST GRILLE OR REGISTER, CLEAN THOROUGHLY AND REINSTALL. BALANCE AIRFLOW TO CFM INDICATED.
8. 6X6 DUCT UP TO NEW EF-3HS ON ROOF. SEE AM105.
9. SEE 5/AM102 FOR MORE INFORMATION.
9. PROVIDE SEPARATE 3/4" HWS/HWR TO EACH FTR IN ROOMS 125, 129 AND 131. FTR SHOULD BE PIPED IN PARALLEL AS OPPOSED TO IN SERIES.



Key Plan
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S.E.D. Control No. 48-01-01-06-0-004-020

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ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Partial First Floor Plans Areas B and C

Drawn By:	Date:	Drawing Number:
DPM/jtk	8/21/20	AM102
Project No.: 121111-19002		

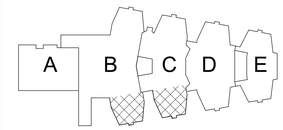
1 Partial First Floor Demolition Plan - Areas B + C
1/8" = 1'-0"

GENERAL NOTES:

1. FOR GENERAL NOTES SEE DRAWING AM050

KEYED NOTES

1. REMOVE HEATING AND VENTILATION (H&V) UNIT. REMOVE HOT WATER PIPING FROM COIL UP TO AND INCLUDING MANUAL SHUT OFF VALVES, CONTROL VALVES, BALANCE VALVES, AND FITTINGS. REMOVE OUTSIDE AIR INTAKE DUCT FROM UNIT TO LOUVER INCLUDING DAMPER AND ACTUATOR. LOUVER REMAINS. REMOVE MULTI-ZONE SUPPLY DUCTWORK FROM UNIT TO LOCATION INDICATED ON DRAWING INCLUDING ZONE DAMPER. REMOVE ZONE DAMPER ACTUATOR AND SAVE FOR RE-USE. REMOVE RETURN AIR DUCTWORK TO LOCATION INDICATED ON DRAWING INCLUDING DAMPER. REMOVE EXHAUST AIR DUCTWORK FROM RETURN DUCTWORK CONNECTION TO UNDERSIDE OF ROOF DECK.
2. REMOVE DUCTWORK INCLUDING REGISTERS, GRILLES, DIFFUSERS, HANGERS AND SUPPORTS TO LOCATION INDICATED.
3. REMOVE FINNED TUBE CONTROL VALVE. PLUG EXISTING PNEUMATIC TUBING.
4. PROVIDE NEW FTR CONTROL VALVE WITH FLOW INDICATED
5. DISCONNECT RETURN/EXHAUST GRILLE OR REGISTER, CLEAN THOROUGHLY AND REINSTALL. BALANCE AIRFLOW TO CFM INDICATED.
6. SEE 5/AM102 FOR MORE INFORMATION.



Key Plan
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S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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ARCHITECTS & ENGINEERS

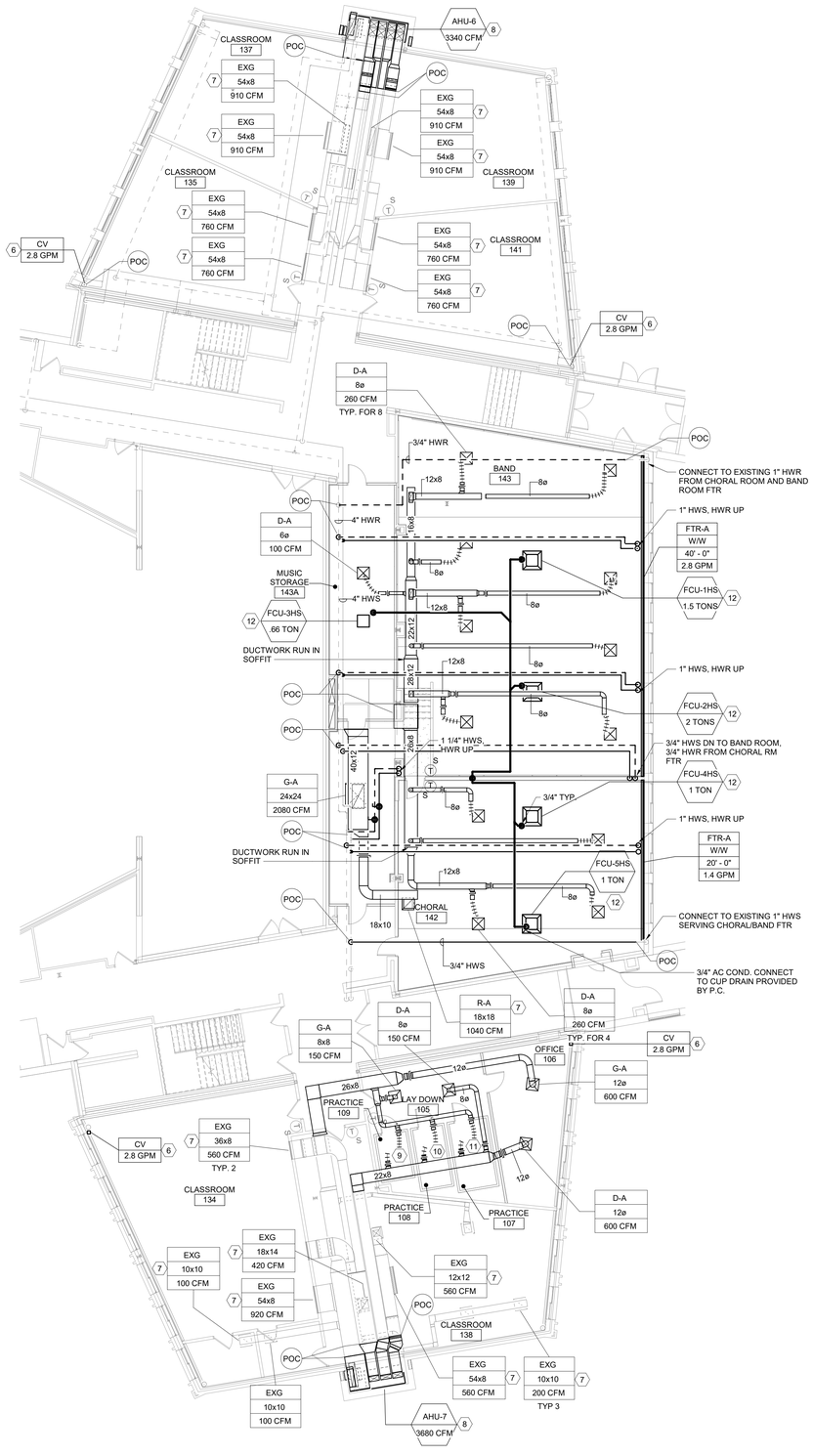
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

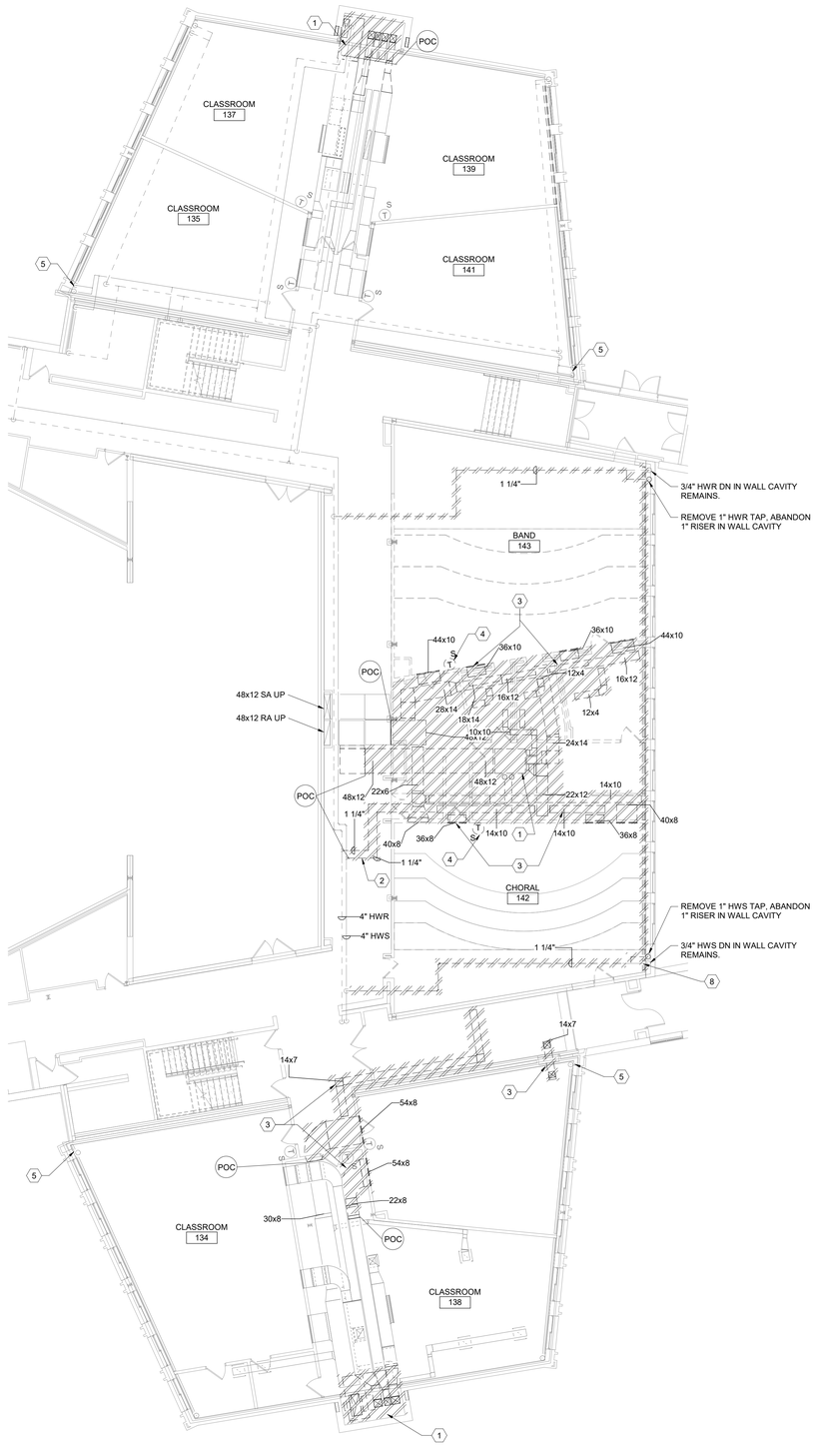
Partial First Floor Plans Areas B and C

Drawn By:	Date:	Drawing Number:
DPM/jtk	8/21/20	AM103

Project No.:
121111-19002



2 Partial First Floor Plan - Area D
1" = 10'-0"



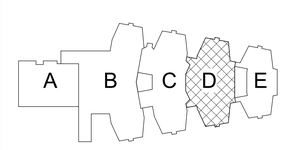
1 Partial First Floor Demolition Plan - Area D
1" = 10'-0"

GENERAL NOTES:

1. FOR GENERAL NOTES SEE DRAWING AM050

KEYED NOTES

1. REMOVE HEATING AND VENTILATION (H&V) UNIT. REMOVE HOT WATER PIPING FROM COIL UP TO AND INCLUDING MANUAL SHUT OFF VALVES, CONTROL VALVES, BALANCE VALVES, AND FITTINGS. REMOVE OUTSIDE AIR INTAKE DUCT FROM UNIT TO LOUVER INCLUDING DAMPER AND ACTUATOR. LOUVER REMAINS. REMOVE MULTI-ZONE SUPPLY DUCTWORK FROM UNIT TO LOCATION INDICATED ON DRAWING INCLUDING ZONE DAMPER. REMOVE ZONE DAMPER ACTUATOR AND SAVE FOR RE-USE. REMOVE RETURN AIR DUCTWORK TO LOCATION INDICATED ON DRAWING INCLUDING DAMPER. REMOVE EXHAUST AIR DUCTWORK FROM RETURN DUCTWORK CONNECTION TO UNDERSIDE OF ROOF DECK.
2. REMOVE HOT WATER SUPPLY AND RETURN PIPING INCLUDING FITTINGS, HANGERS AND SUPPORTS TO LOCATION INDICATED.
3. REMOVE DUCTWORK INCLUDING REGISTERS, GRILLES, DIFFUSERS, HANGERS AND SUPPORTS TO LOCATION INDICATED.
4. REMOVE SPACE TEMPERATURE SENSOR AND CONNECTED WIRING.
5. REMOVE FINNED TUBE CONTROL VALVE. PLUG EXISTING PNEUMATIC TUBING.
6. PROVIDE NEW FTR CONTROL VALVE WITH FLOW INDICATED
7. DISCONNECT RETURN/EXHAUST GRILLE OR REGISTER, CLEAN THOROUGHLY AND REINSTALL. BALANCE AIRFLOW TO CFM INDICATED.
8. SEE 5/AM102 FOR MORE INFORMATION.
9. CONNECT 8" SA/RA FLEX DUCTS TO PRACTICE ROOM 109. BALANCE AIRFLOW TO 50 CFM. AIR INLETS AND OUTLETS PROVIDED WITH PRE-MANUFACTURED ROOM PACKAGE.
10. CONNECT 8" SA/RA FLEX DUCTS TO PRACTICE ROOM 108. BALANCE AIRFLOW TO 75 CFM. AIR INLETS AND OUTLETS PROVIDED WITH PRE-MANUFACTURED ROOM PACKAGE.
11. CONNECT 8" SA/RA FLEX DUCTS TO PRACTICE ROOM 107. BALANCE AIRFLOW TO 100 CFM. AIR INLETS AND OUTLETS PROVIDED WITH PRE-MANUFACTURED ROOM PACKAGE.
12. REFER TO DETAIL 8/AM501 FOR REFRIGERANT PIPING AND CONTROL SCHEMATIC



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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TETRA TECH
ARCHITECTS & ENGINEERS

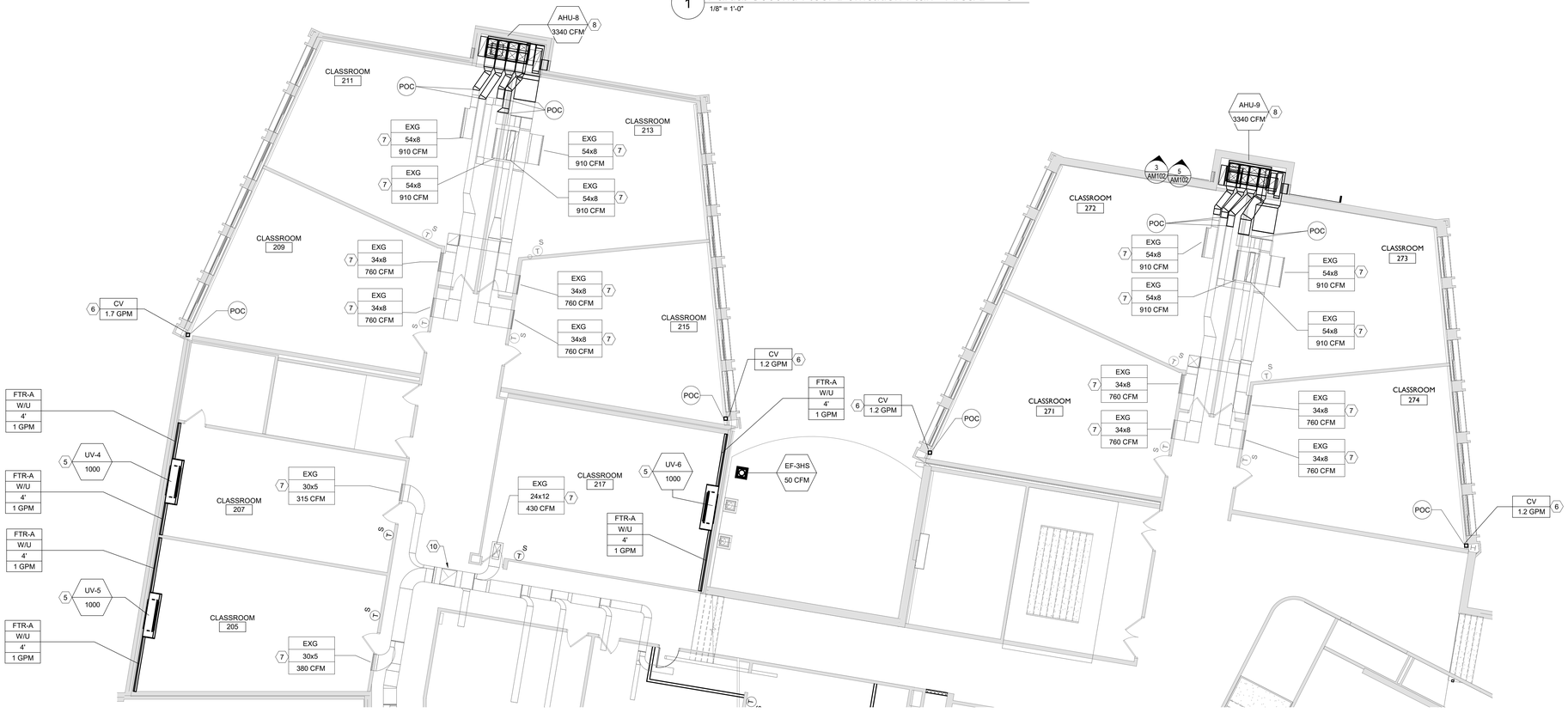
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

First Floor Plans - Area D

Drawn By:	Date:	Drawing Number:
DPM/jtk	8/21/20	AM104
Project No.: 121111-19002		

1 Partial Second Floor Demolition Plan - Area B + C
1/8" = 1'-0"



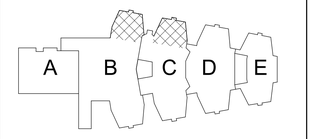
2 Partial Second Floor Plan - Areas B + C
1/8" = 1'-0"

GENERAL NOTES:

1. FOR GENERAL NOTES SEE DRAWING AM050

KEYED NOTES

1. DISCONNECT HOT WATER PIPING AND REMOVE UNIT VENTILATOR. REMOVE PIPING INSIDE CABINET ENCLOSURE FROM COIL UP TO AND INCLUDING MANUAL SHUT OFF VALVES, CONTROL VALVES, BALANCE VALVES, AND FITTINGS. LOUVER AND WALL BOX TO REMAIN. CLEAN AND PREPARE OPENING TO RECEIVE NEW WORK.
2. REMOVE HEATING AND VENTILATION (H&V) UNIT. REMOVE HOT WATER PIPING FROM COIL UP TO AND INCLUDING MANUAL SHUT OFF VALVES, CONTROL VALVES, BALANCE VALVES, AND FITTINGS. REMOVE OUTSIDE AIR INTAKE DUCT FROM UNIT TO LOUVER INCLUDING DAMPER AND ACTUATOR. LOUVER REMAINS. REMOVE MULTI-ZONE SUPPLY DUCTWORK FROM UNIT TO LOCATION INDICATED ON DRAWING INCLUDING ZONE DAMPER. REMOVE ZONE DAMPER ACTUATOR AND SAVE FOR RE-USE. REMOVE RETURN AIR DUCTWORK TO LOCATION INDICATED ON DRAWING INCLUDING DAMPER. REMOVE EXHAUST AIR DUCTWORK FROM RETURN DUCTWORK CONNECTION TO UNDERSIDE OF ROOF DECK.
3. REMOVE SPACE TEMPERATURE SENSOR AND CONNECTED WIRING.
4. REMOVE FINNED TUBE CONTROL VALVE. PLUG EXISTING PNEUMATIC TUBING.
5. INSTALL UNIT VENTILATOR. CENTER UNIT WITH OUTSIDE AIR OPENING. EXTEND HOT WATER PIPING TO UNIT. PROVIDE SHUT-OFF VALVES, BALANCE VALVE, ETC. AS INDICATED ON COIL PIPING DETAIL. INSTALL SPACE TEMPERATURE SENSOR IN LOCATION INDICATED.
6. PROVIDE FTR CONTROL VALVE WITH FLOW INDICATED
7. DISCONNECT RETURN/EXHAUST GRILLE OR REGISTER, CLEAN THOROUGHLY AND REINSTALL. BALANCE AIRFLOW TO CFM INDICATED.
8. SEE 5/AM102 FOR MORE INFORMATION.
9. REMOVE FINNED TUBE ENCLOSURE INCLUDING BACK-PLATE, COVER, SUPPORTS, PIPE HANGERS, CRADLES, FINNED TUBE ELEMENTS AND CONNECTED PIPING.
10. MEASURE ALL EXISTING GRILLES ASSOCIATED WITH THE EXHAUST FAN AS THEY ARE. REBALANCE THE FAN TO ACHIEVE THE OA FLOWS OF ROOMS WE ARE REPLACING UVS AND MAINTAIN PRE-MEASURED EA FLOWS IN THE EXISTING SPACES.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

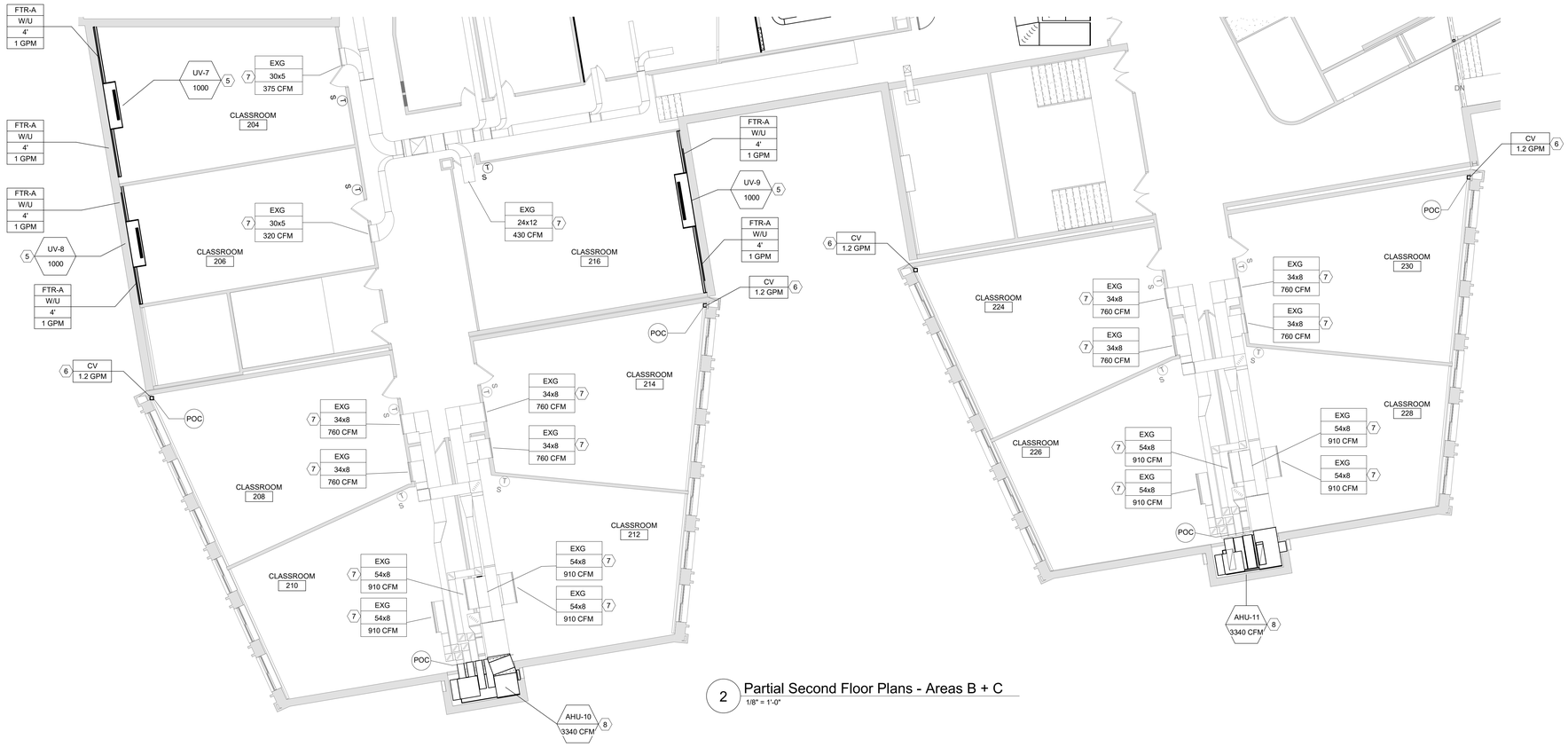
Reconstruction To:
Mahopac High School

Partial Second Floor Plans
Areas B and C

Drawn By:	Date:	Drawing Number:
DPM/jtk	8/21/20	AM105

Project No.:
121111-19002

1 Partial Second Floor Demolition Plans - Areas B + C
1/8" = 1'-0"



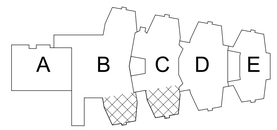
2 Partial Second Floor Plans - Areas B + C
1/8" = 1'-0"

GENERAL NOTES:

1. FOR GENERAL NOTES SEE DRAWING AM050

KEYED NOTES

1. DISCONNECT HOT WATER PIPING AND REMOVE UNIT VENTILATOR. REMOVE PIPING INSIDE CABINET ENCLOSURE FROM COIL UP TO AND INCLUDING MANUAL SHUT OFF VALVES, CONTROL VALVES, BALANCE VALVES, AND FITTINGS. LOUVER AND WALL BOX TO REMAIN. CLEAN AND PREPARE OPENING TO RECEIVE NEW WORK.
2. REMOVE HEATING AND VENTILATION (H&V) UNIT. REMOVE HOT WATER PIPING FROM COIL UP TO AND INCLUDING MANUAL SHUT OFF VALVES, CONTROL VALVES, BALANCE VALVES, AND FITTINGS. REMOVE OUTSIDE AIR INTAKE DUCT FROM UNIT TO LOUVER INCLUDING DAMPER AND ACTUATOR. LOUVER REMAINS. REMOVE MULTI-ZONE SUPPLY DUCTWORK FROM UNIT TO LOCATION INDICATED ON DRAWING INCLUDING ZONE DAMPER. REMOVE ZONE DAMPER ACTUATOR AND SAVE FOR RE-USE. REMOVE RETURN AIR DUCTWORK TO LOCATION INDICATED ON DRAWING INCLUDING DAMPER. REMOVE EXHAUST AIR DUCTWORK FROM RETURN DUCTWORK CONNECTION TO UNDERSIDE OF ROOF DECK.
3. REMOVE SPACE TEMPERATURE SENSOR AND CONNECTED WIRING.
4. REMOVE FINNED TUBE CONTROL VALVE. PLUG EXISTING PNEUMATIC TUBING.
5. INSTALL UNIT VENTILATOR. CENTER UNIT WITH OUTSIDE AIR OPENING. EXTEND HOT WATER PIPING TO UNIT. PROVIDE SHUT-OFF VALVES, BALANCE VALVE, ETC. AS INDICATED ON COIL PIPING DETAIL. INSTALL SPACE TEMPERATURE SENSOR IN LOCATION INDICATED.
6. PROVIDE NEW FTR CONTROL VALVE WITH FLOW INDICATED
7. DISCONNECT RETURN/EXHAUST GRILLE OR REGISTER, CLEAN THOROUGHLY AND REINSTALL. BALANCE AIRFLOW TO CFM INDICATED.
8. SEE 5/AM102 FOR MORE INFORMATION.
9. REMOVE FINNED TUBE ENCLOSURE INCLUDING BACK-PLATE, COVER, SUPPORTS, PIPE HANGERS, CRADLES, FINNED TUBE ELEMENTS AND CONNECTED PIPING.
10. MEASURE ALL EXISTING GRILLES ASSOCIATED WITH THE EXHAUST FAN AS THEY ARE. REBALANCE THE FAN TO ACHIEVE THE OA FLOWS OF ROOMS WE ARE REPLACING UVS AND MAINTAIN PRE-MEASURED EA FLOWS IN THE EXISTING SPACES.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

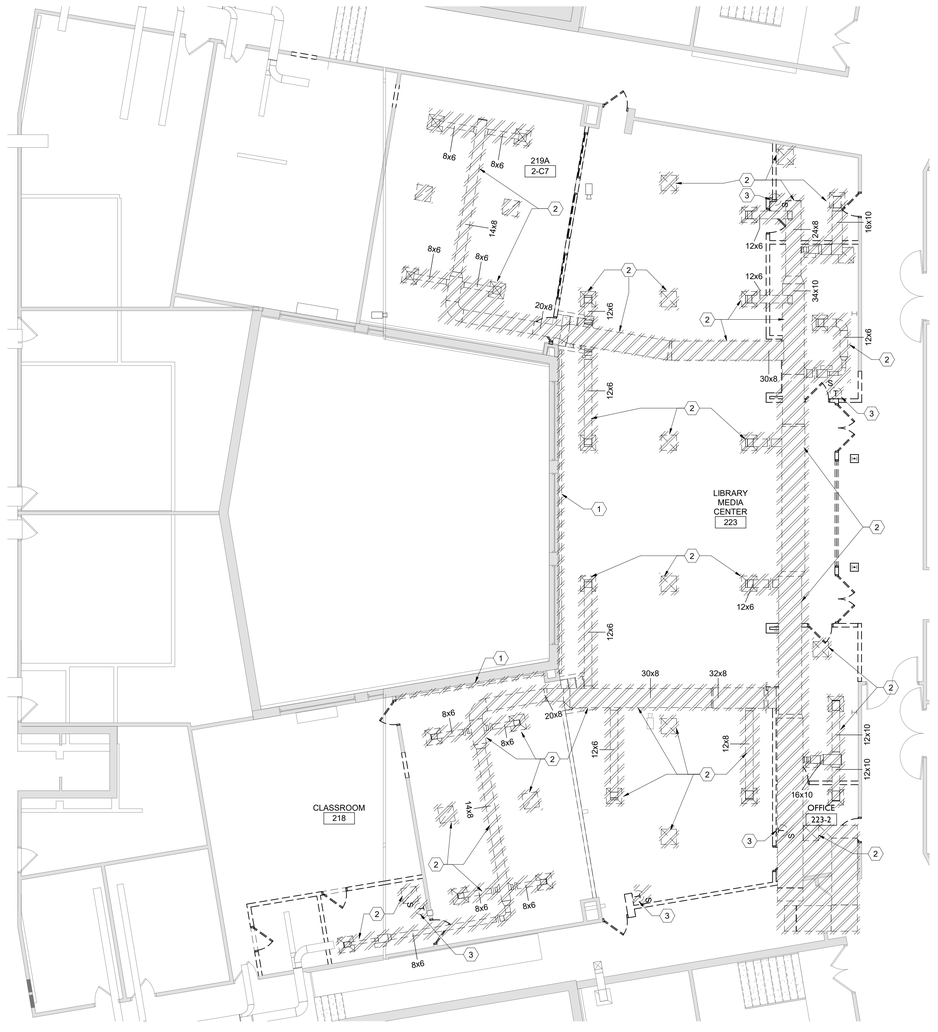
Reconstruction To:
Mahopac High School

Partial Second Floor Plans
Area B and C

Drawn By:	Date:	Drawing Number:
DPM/jtk	8/21/20	AM106

Project No.:
121111-19002

2 Partial Second Floor Plan - Area C
1/8" = 1'-0"



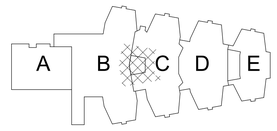
1 Partial Second Floor Demolition Plan - Area C
1/8" = 1'-0"

GENERAL NOTES:

1. FOR GENERAL NOTES SEE DRAWING AM050

KEYED NOTES

1. REMOVE FINNED TUBE RADIATION AND ALL ASSOCIATED ACCESSORIES.REMOVE HOT WATER SUPPLY AND RETURN PIPING INCLUDING FITTINGS, HANGERS AND SUPPORTS AS NEEDED.
2. REMOVE DUCTWORK INCLUDING VAVS AND ACCESORIES, REGISTERS, GRILLES, DIFFUSERS, HANGERS AND SUPPORTS TO LOCATION INDICATED.
3. REMOVE SPACE TEMPERATURE SENSOR AND CONNECTED WIRING.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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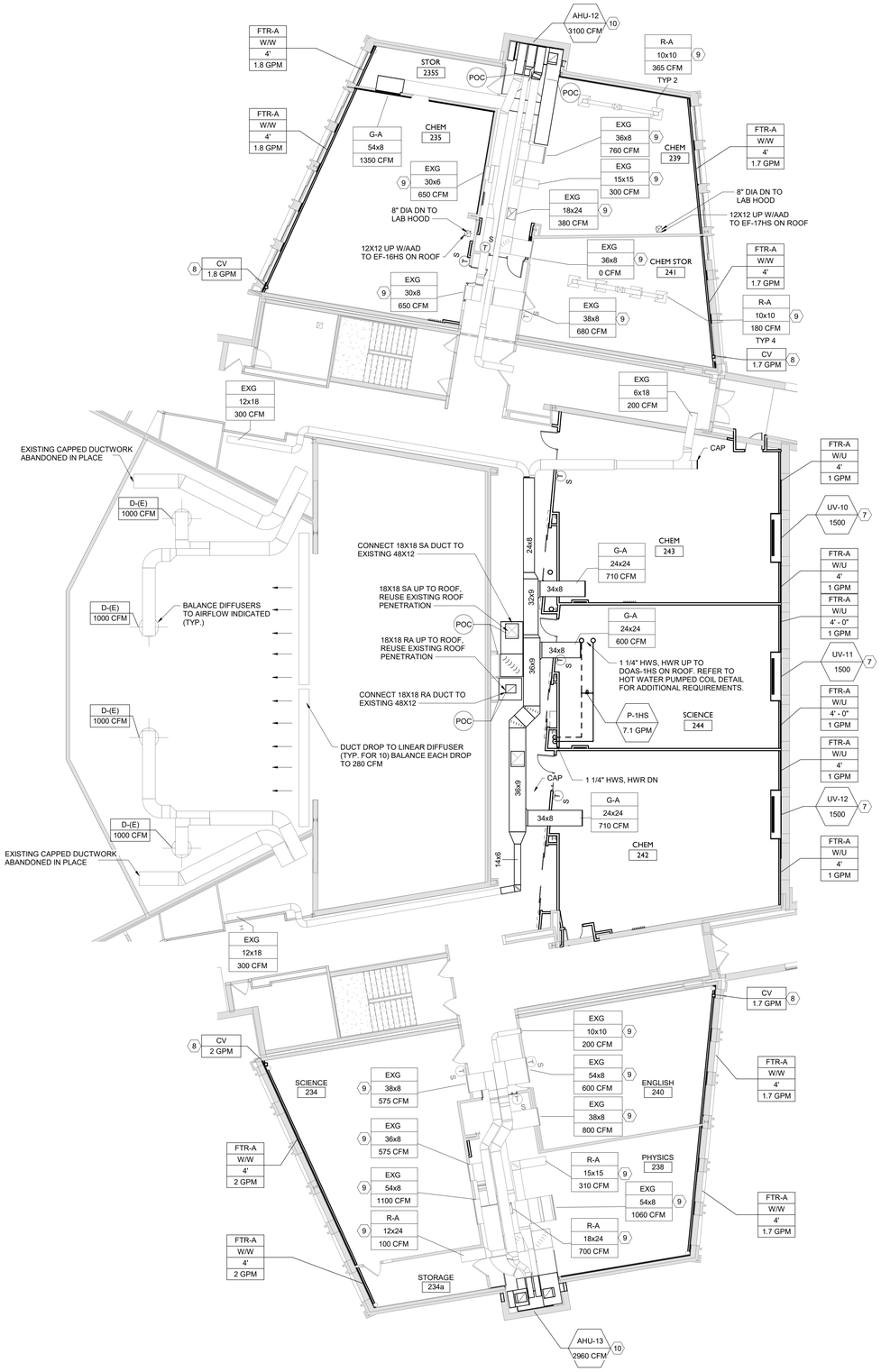
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

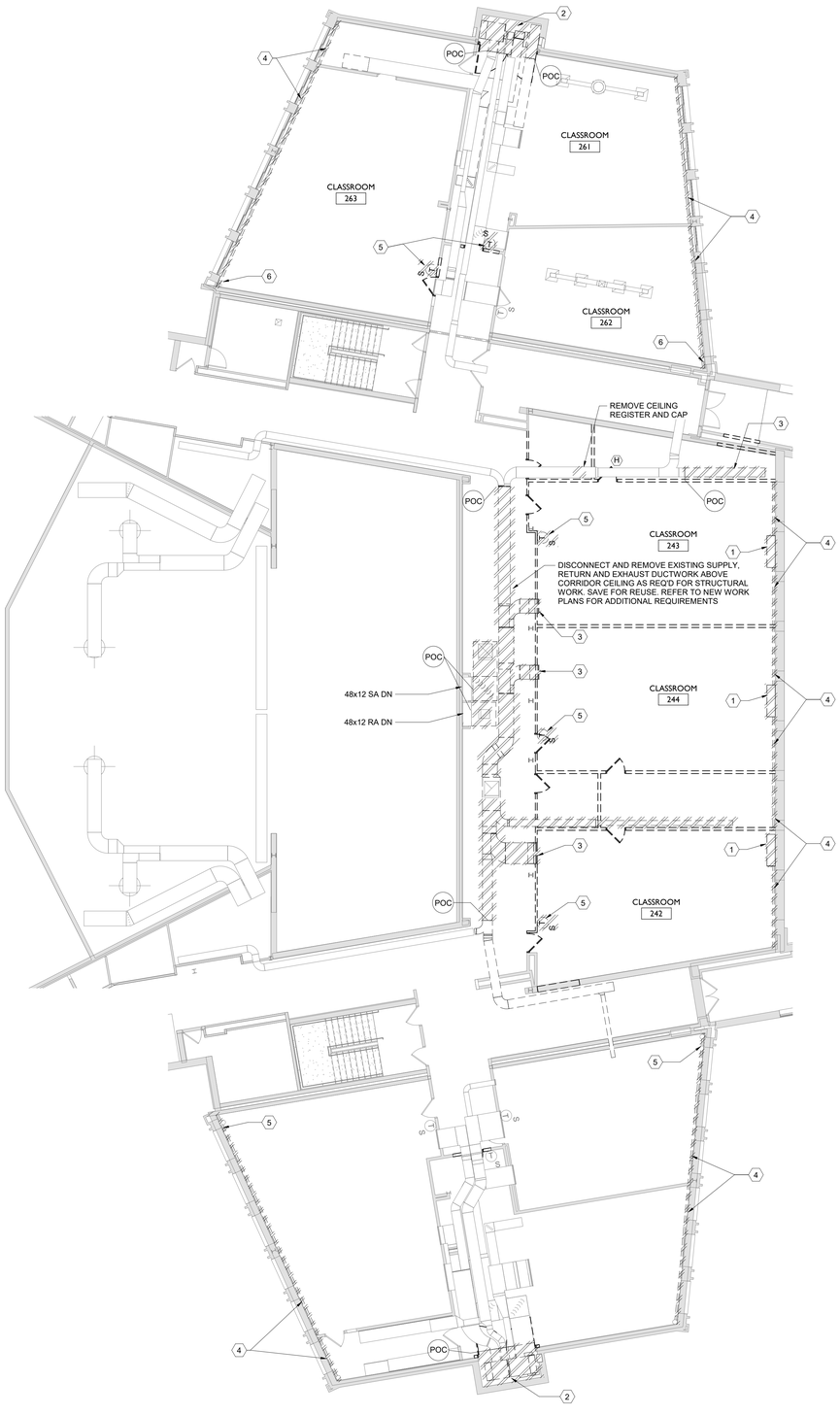
Partial Second Floor Plans - Area C

Drawn By:	Date:	Drawing Number:
DPM/jtk	8/21/20	AM107

Project No.:
121111-19002



2 Second Floor Plan - Area D
1" = 10'-0"



1 Second Floor Demolition Plan - Area D
1" = 10'-0"

GENERAL NOTES:

1. FOR GENERAL NOTES SEE DRAWING AM050

KEYED NOTES

1. DISCONNECT HOT WATER PIPING AND REMOVE UNIT VENTILATOR. REMOVE PIPING INSIDE CABINET ENCLOSURE FROM COIL UP TO AND INCLUDING MANUAL SHUT OFF VALVES, CONTROL VALVES, BALANCE VALVES, AND FITTINGS. LOUVER AND WALL BOX TO REMAIN. CLEAN AND PREPARE OPENING TO RECEIVE NEW WORK.
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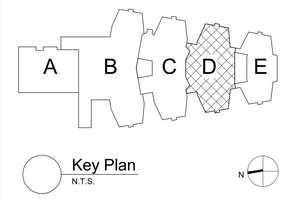
3. REMOVE DUCTWORK INCLUDING REGISTERS, GRILLES, DIFFUSERS, HANGERS AND SUPPORTS TO LOCATION INDICATED.
4. REMOVE FINNED TUBE ENCLOSURE INCLUDING BACK-PLATE, COVER, SUPPORTS, PIPE HANGERS, CRADLES, FINNED TUBE ELEMENTS AND CONNECTED PIPING.
5. REMOVE SPACE TEMPERATURE SENSOR AND CONNECTED WIRING.
6. REMOVE FINNED TUBE CONTROL VALVE. PLUG EXISTING PNEUMATIC TUBING.
7. INSTALL UNIT VENTILATOR. CENTER UNIT WITH OUTSIDE AIR OPENING. EXTEND HOT WATER PIPING TO UNIT. PROVIDE SHUT-OFF VALVES, BALANCE VALVE, ETC. AS INDICATED ON COIL PIPING DETAIL. INSTALL SPACE TEMPERATURE SENSOR IN LOCATION INDICATED.
8. PROVIDE NEW FTR CONTROL VALVE WITH FLOW INDICATED
9. DISCONNECT RETURN/EXHAUST GRILLE OR REGISTER, CLEAN THOROUGHLY AND REINSTALL. BALANCE AIRFLOW TO CFM INDICATED.
10. SEE 5/AM102 FOR MORE INFORMATION.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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ARCHITECTS & ENGINEERS

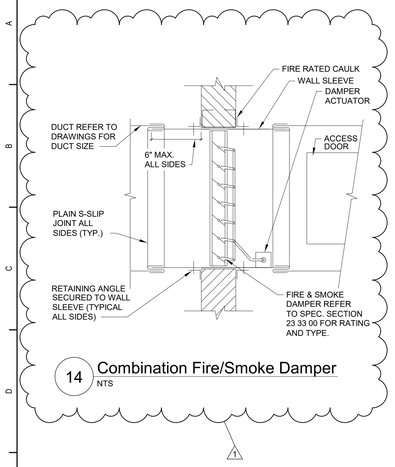
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

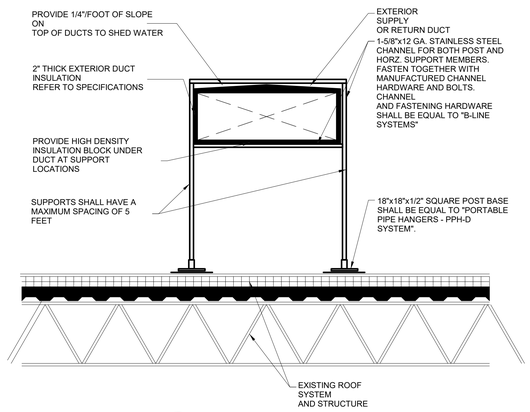
Second Floor Plans - Area D

Drawn By:	Date:	Drawing Number:
DPM/jtk	8/21/20	AM108

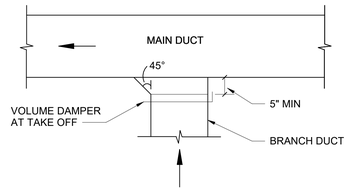
Project No.: 121111-19002



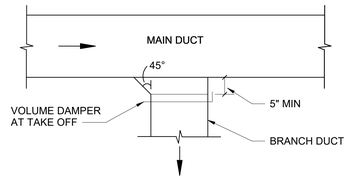
14 Combination Fire/Smoke Damper
NTS



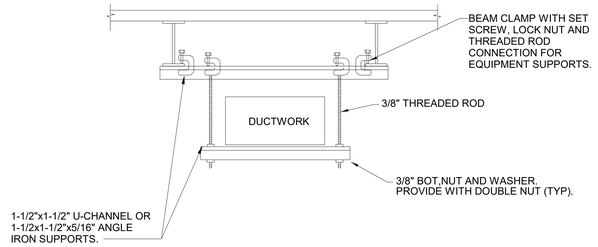
10 Roof Duct Support Detail
NTS



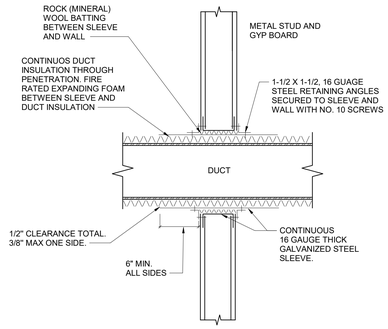
5 Exhaust/Return Branch Connection
NTS



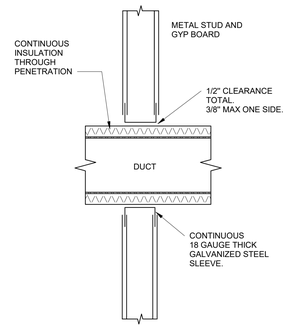
6 Supply Branch Connection
NTS



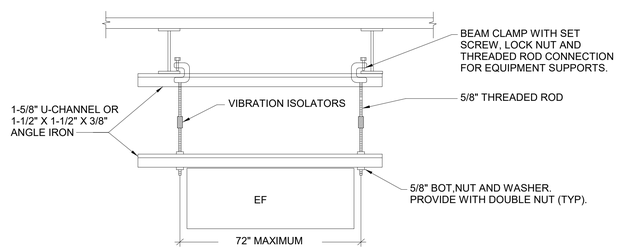
1 Duct Hanger
NTS



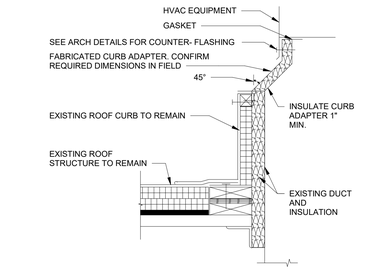
2 Duct Penetration at 1 Hour Rated Wall
NTS



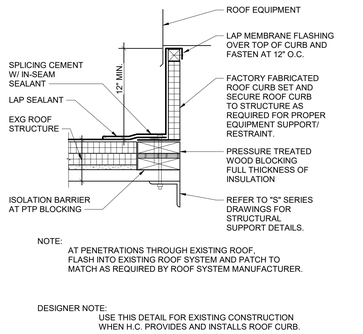
3 Duct Penetration at Interior Wall
NTS



4 Equipment Hanger
NTS



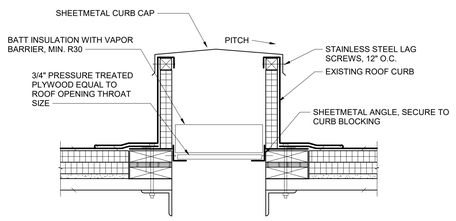
11 Curb Adapter Detail
NTS



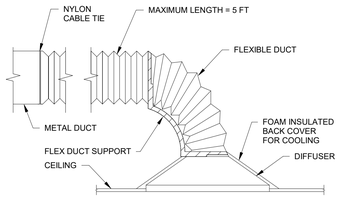
NOTE:
AT PENETRATIONS THROUGH EXISTING ROOF, FLASH INTO EXISTING ROOF SYSTEM AND PATCH TO MATCH AS REQUIRED BY ROOF SYSTEM MANUFACTURER.

DESIGNER NOTE:
USE THIS DETAIL FOR EXISTING CONSTRUCTION WHEN H.C. PROVIDES AND INSTALLS ROOF CURB.

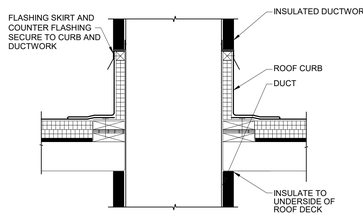
7 Roof Curb Detail
NTS



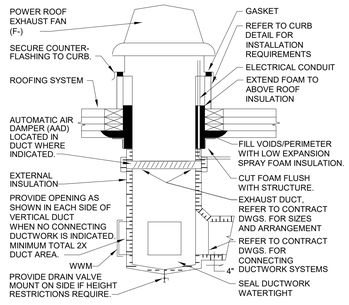
12 Roof Curb Cap Detail
NTS



8 SA Ceiling Diffuser With Flex Duct
NTS



13 Duct Thru Roof Detail
NTS



9 Powered Roof Exhaust Fan Detail
NTS

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:
1	12/2/2020	SED Addendum No 1

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TETRA TECH
ARCHITECTS & ENGINEERS

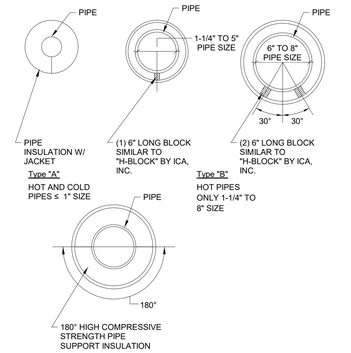
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

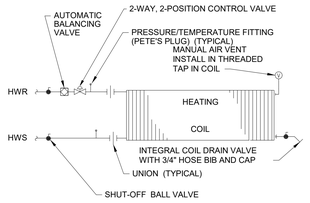
Details

Drawn By:	Date:	Drawing Number:
DPM/jtk	8/21/20	AM500

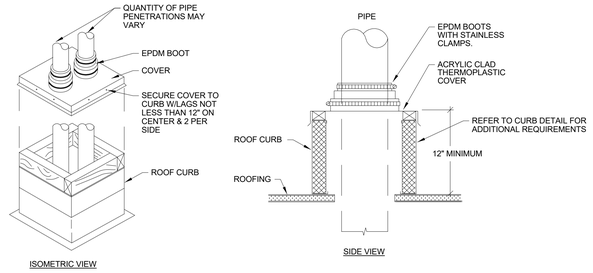
Project No.: 121111-19002



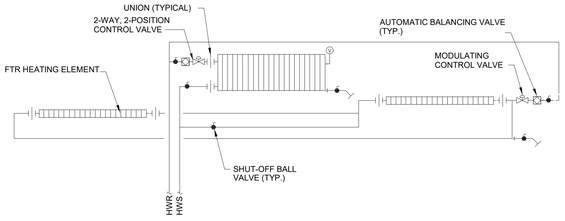
9 Pipe Insulation and Supports
12" = 1'-0"



5 Unit Ventilator Face and Bypass Coil Piping Detail
NTS



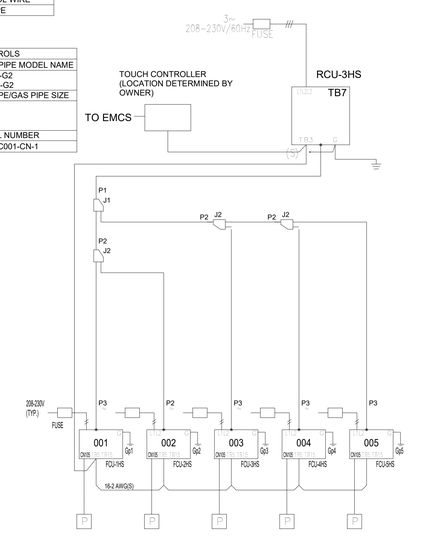
6 Pipe Roof Penetration Detail
NTS



7 Unit Ventilator / Finned Tube Piping Schematic
NTS

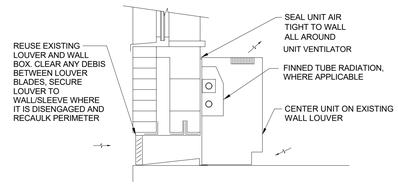
DIAGRAM SYMBOL LEGEND	
DISPLAY	DESCRIPTION
///	POWER WIRE
	CONTROL WIRE
	REF. PIPE

PIPING AND CONTROLS
SYMBOL BRANCH PIPE MODEL NAME
J1 CMY-Y102LS-G2
J2 CMY-Y102SS-G2
SYMBOL LIQUID PIPE/GAS PIPE SIZE
P1 3/8 / 7/8
P2 3/8 / 5/8
P3 1/4 / 1/2
SYMBOL MODEL NUMBER
P PAC-UKPRC001-CN-1

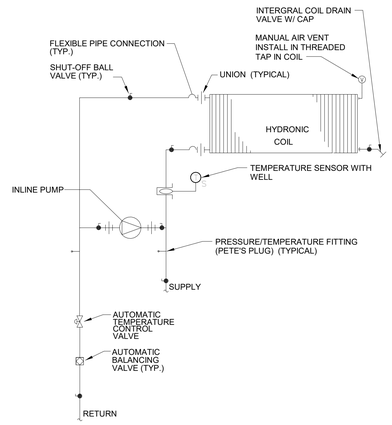


1. PROVIDE MANUFACTURERS CONTROL SIGNAL ADAPTER AS REQUIRED.
2. CONTROL WIRING AND REFRIGERANT ROUTING SHALL BE DETERMINED IN THE FIELD AND COORDINATED WITH THE MANUFACTURER FOR FINAL REFRIGERANT TUBING SIZES.

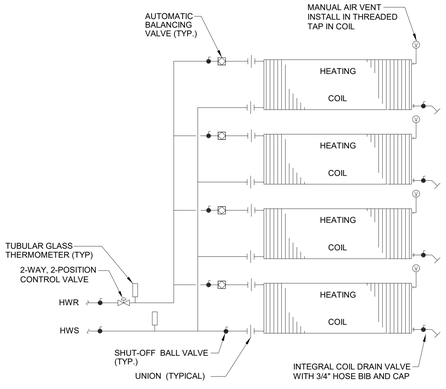
8 Variable Refrigerant System Schematic - Band/Chorus/Music Storage
NTS



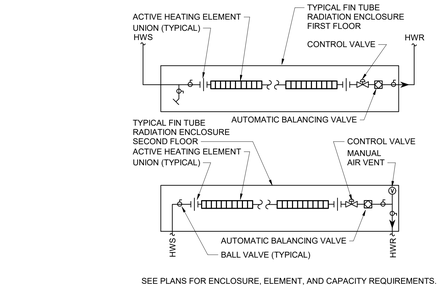
1 Vertical Unit Ventilator Installation Detail
NTS



2 Hot Water Pumped Coil Detail
NTS



3 Multi-Zone AHU Coil Detail
NTS



SEE PLANS FOR ENCLOSURE, ELEMENT, AND CAPACITY REQUIREMENTS.

4 Hot Water Fin Tube Radiation
NTS

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Details

Drawn By:	Date:	Drawing Number:
DPM/jtk	8/21/20	AM501

Project No.: 121111-19002

FINNED TUBE RADIATION (FTR) SCHEDULE

UNIT TAG	SERVES	MODEL	TYPE	LENGTH (IN)	HEIGHT (IN)	DEPTH (IN)	FIN SIZE (IN)	FINS/FT	TIERS	AWT (DEG F)	BTU/LF	NOTES
FTR-A	SEE PLANS	TYPE S	SLANT	SEE PLANS	14	4	3 1/4 X 3 1/4	40	1	170	675.0	1,2

NOTES:
1. COLOR SELECTION BY ARCHITECT.
2. LEGEND: W/W - WALL TO WALL, W/U - WALL TO UNIT.

REPLACEMENT AHU COOLING COIL SCHEDULE

EQUIPMENT TAG	LOCATION	MANUFACTURER	MODEL	AIRFLOW (CFM)	ROWS	COIL H (IN.)	COIL W (IN.)	CIRCUITS	DX COIL DATA					DX COIL DATA	NOTES
									EDB(F)	EWB(F)	LDB(F)	LWB(F)	REFRIGERANT	TOTAL CAPACITY (MBH)	
CC-1HS	ADMIN. AHU	YORK	BDX	12000	4	45	78	2	80.0	67.0	59.3	56.5	R410a	399.1	1,2
CC-2HS	LOWER AUDITORIUM AHU	YORK	CDX	4500	4	30.25	48	2	83.0	69.0	56.7	55.4	R410a	195.3	1,2

NOTES:
1. SPLIT COIL
2. CONTRACTOR SHALL VERIFY COIL SIZES IN FIELD AND CONFIRM WITH MANUFACTURER PRIOR TO RELEASE.

PUMP (P) SCHEDULE

EQUIP NO.	LOCATION	TYPE	SERVES	FLOWRATE (GPM)	WPD (FT HD)	MAX. OP. TEMP (°F)	MIN. EFF. %	SUCTION CONNECTION (IN)	DISCHARGE CONNECTION (IN)	VOLTAGE	MOTOR HP	FLA	NOTES
P-1HS	CHEM. 204 CLG.	Wet Rotor Circulator	DOAS-1HS	7.1 GPM	11	203 °F	37.10%	3/4"	3/4"	120	60 VA	1 A	1

NOTES:
1. PROVIDE UNIT MANUFACTURER'S COMBINATION STARTER.

VAV SCHEDULE

Mark	ROOM NAME	MODEL	MIN AIRFLOW (CFM)	MAX AIRFLOW (CFM)	NOTES
VAV-1	219A	10	165	1400	1
VAV-2	223S4	4	25	225	1
VAV-3	223S4	8	105	900	1
VAV-4	223S3	6	60	500	1
VAV-5	223S3	4	25	225	1
VAV-6	223	12	240	2000	1
VAV-7	223-4	8	105	900	1
VAV-8	223	12	240	2000	1
VAV-9	223-2	4	25	225	1
VAV-10	223-4	8	105	900	1

NOTES:
1. DESIGN BASIS: TRANE

ROOFTOP UNIT (RTU) SCHEDULE

EQUIP NO.	LOCATION	MODEL	SERVES	AIR QUANTITY				COOLING DATA				COOLING SENSIBLE (MBH)	COOLING TOTAL CAPACITY (MBH)	ELECTRICAL				NOTES
				TOTAL AIRFLOW	OUTDOOR AIR (CFM)	ESP (IN. WG.)	TSP (IN. WG.)	EDB (DEG.)	EWB (DEG.)	LDB (DEG.)	LWB (DEG.)			EER	MCA	MOP	VOLTS	PHASE	
RTU-1HS	ROOF	THH240G	UPPER AUDITORIUM	7100	1000	.26	.38	76 °F	66 °F	59 °F	57 °F	201.4	258.3	11.0	96.0	125	208	3	1
RTU-2HS	ROOF	THH240G	UPPER AUDITORIUM	7100	1000	.26	.38	76 °F	66 °F	59 °F	57 °F	201.4	258.3	11.0	96.0	125	208	3	1

NOTES:
1. PROVIDE UNIT MANUFACTURER'S COMBINATION STARTER.

AIR HANDLING UNIT (AHU) SCHEDULE

Mark	LOCATION	SERVES	MODEL	ZONES	AIRFLOW (CFM)	OA (CFM)	SUPPLY FAN				ELECTRICAL			NOTES
							ESP (IN. WG.)	TSP (IN. WG.)	FLA	MCA	VOLTAGE	HERTZ	PHASE	
AHU-1	24	24,25,26,27,28	AHU-I-03-H-MZ-TB	2	2900	1580	0.6	1.65	4	5	208	60	3	
AHU-2	113	111,113,115	AHU-I-03-H-MZ-TB	3	3360	1715	0.6	1.65	4	5	208	60	3	
AHU-3	182/183	180,182,183,184	AHU-I-03-H-MZ-TB	4	3340	1750	0.6	1.65	4	5	208	60	3	
AHU-4	189/190	132,133,189,190	AHU-I-03-H-MZ-TB	4	3340	1750	0.6	1.65	4	5	208	60	3	
AHU-5	166/167	165,166,167,171	AHU-I-03-H-MZ-TB	4	3340	1740	0.6	1.65	4	5	208	60	3	
AHU-6	186/187	185,186,187,188	AHU-I-03-H-MZ-TB	4	3340	1740	0.6	1.65	4	5	208	60	3	
AHU-7	176	105,106,175,176	AHU-I-03-H-MZ-TB	3	3140	1585	0.6	1.65	4	5	208	60	3	
AHU-8	211/213	209,211,213,215	AHU-I-03-H-MZ-TB	4	3340	1720	0.6	1.65	4	5	208	60	3	
AHU-9	272/273	271,272,273,274	AHU-I-03-H-MZ-TB	4	3340	1725	0.6	1.65	4	5	208	60	3	
AHU-10	210/212	208,210,212,214	AHU-I-03-H-MZ-TB	4	3340	1720	0.6	1.65	4	5	208	60	3	
AHU-11	226/228	224,226,228,230	AHU-I-03-H-MZ-TB	4	3340	1740	0.6	1.65	4	5	208	60	3	
AHU-12	239	235,239,241	AHU-I-03-H-MZ-TB	3	3100	1485	0.6	1.65	4	5	208	60	3	
AHU-13	238	234,236,238,240	AHU-I-03-H-MZ-TB	3	2960	1630	0.6	1.65	4	5	208	60	3	

NOTES:
1. DESIGN BASIS: ANNEX AIR.
2. PROVIDE MANUFACTURERS COMBINATION STARTER.

AHU COIL SCHEDULE

DWG LABEL	AIRFLOW (CFM)	HEATING DATA				COIL 1			COIL 2			COIL 3			COIL 4			NOTES
		EAT (°F)	LAT (°F)	EWT (F)	LWT (F)	AIRFLOW (CFM)	CAPACITY (MBH)	GPM	AIRFLOW (CFM)	CAPACITY (MBH)	GPM	AIRFLOW (CFM)	CAPACITY (MBH)	GPM	AIRFLOW (CFM)	CAPACITY (MBH)	GPM	
AHU-1	2900	29	95	180	160	1000	71	7.1	1900	135	13.5	-	-	-	-	-	-	
AHU-2	3360	34	95	180	160	1480	98	9.8	940	62	6.2	940	62	6.2	-	-	-	
AHU-3	3340	34	95	180	160	910	60	6	760	50	5	760	50	5	910	60	6	
AHU-4	3340	34	95	180	160	910	60	6	760	50	5	760	50	5	910	60	6	
AHU-5	3340	34	95	180	160	910	60	6	760	50	5	760	50	5	910	60	6	
AHU-6	3340	34	95	180	160	910	60	6	760	50	5	760	50	5	910	60	6	
AHU-7	3140	37	95	180	160	1120	70	7	900	57	5.7	1120	70	7	-	-	-	
AHU-8	3340	34	95	180	160	910	60	6	760	50	5	760	50	5	910	60	6	
AHU-9	3340	34	95	180	160	910	60	6	760	50	5	760	50	5	910	60	6	
AHU-10	3340	34	95	180	160	910	60	6	760	50	5	760	50	5	910	60	6	
AHU-11	3340	34	95	180	160	910	60	6	760	50	5	760	50	5	910	60	6	
AHU-12	3100	31	95	180	160	1400	97	9.7	680	47	4.7	1060	74	7.4	-	-	-	
AHU-13	2960	32	95	180	160	1060	72	7.2	800	55	5.5	1150	78	7.8	-	-	-	

DEDICATED OUTDOOR AIR HANDLING UNIT (DOAS) SCHEDULE

MARK	MANUFACTURER	MODEL	LOCATION	SUPPLY FAN			EXHAUST FAN			ELECTRICAL						NOTES
				OA (CFM)	ESP (IN. WG.)	HP	EA (CFM)	ESP (IN. WG.)	HP	VOLTAGE	PHASE	HERTZ	FLA	MCA	MOP	
DOAS-1HS	RENEWAIRE	DN-3	ROOF	2000	1	5	2075	1	5	230	3	60	8.6-7.2	19.4	25	1

NOTES:
1. PROVIDE UNIT MANUFACTURER'S COMBINATION STARTER.

DOAS COILS SCHEDULE

Mark	AIRFLOW (CFM)	SUMMER PERFORMANCE			WINTER PERFORMANCE			DX COOLING COIL			HEATING COIL			NOTES
		SUPPLY		EXHAUST	SUPPLY		EXHAUST			CAPACITY (MBH)		CAPACITY (MBH)	FLOW (GPM)	
		EBD (°F)	LDB (°F)	EDB (°F)	EDB (°F)	LDB (°F)	EDB (°F)	LDB (F)	LWB (F)		LDB (F)			
DOAS-1HS	2000	95	80.6	75	10	53.1	70	52.8	52.1	98.8	101.5	104.5	7.1	

FAN COIL UNIT (FCU) SCHEDULE

DWG LABEL	LOCATION	MANUFACTURER	MODEL	ARRANGEMENT	CFM (HIGH)	HEATING DATA		COOLING DATA						ELECTRICAL				NOTES
						LAT (°F)	CAP. (MBH)	TOTAL CAPACITY (MBH)	SENS. CAPACITY (MBH)	EDB (°F)	EWB (°F)	LDB (°F)	LWB (°F)	MCA	VOLTAGE	HERTZ	PHASE	
FCU-1HS	BAND ROOM	MITSUBISHI	PLFY-P18NBMU-ER2	CLG. CASSETTE	636	86.7	11.4	18.0	13.7	80.0	67.0	59.6	56.0	0.64	208/230	60	1	1,2
FCU-2HS	BAND ROOM	MITSUBISHI	PLFY24NBMU-ER2	CLG. CASSETTE	777	88.4	15.5	24.0	17.2	80.0	67.0	59.1	55.6	0.64	208/230	60	1	1,2
FCU-3HS	MUSIC STORAGE	MITSUBISHI	PMFY-P08NBMU-ER5	CLG. CASSETTE	328	84.6	5.2	8.0	6.2	80.0	67.0	62.1	56.9	0.25	208/230	60	1	1,2
FCU-4HS	CHORUS ROOM	MITSUBISHI	PLFY-P12NBMU-ER2	CLG. CASSETTE	494	84.6	7.7	12.0	9.5	80.0	67.0	61.9	56.9	0.64	208/230	60	1	1,2
FCU-5HS	CHORUS ROOM	MITSUBISHI	PLFY-P12NBMU-ER2	CLG. CASSETTE	494	84.6	7.7	12.0	9.5	80.0	67.0	61.9	56.9	0.64	208/230	60	1	1,2

NOTES:
1. PROVIDE UNIT MANUFACTURER'S COMBINATION STARTER.
2. REFER TO VRF SYSTEM SCHEMATIC FOR REFRIGERANT TUBING SIZES AND MANUFACTURERS RECOMMENDED PIPING ARRANGEMENT

FAN (F) SCHEDULE

Mark	MANUFACTURER	MODEL	Serves	AIRFLOW (CFM)	SONES	FAN DATA					ELECTRICAL		NOTES
						ESP (IN WG)	DRIVE	MOTOR RPM	BHP	HP	VOLTAGE	PHASE	
EF-1HS	LOREN COOK	195SQN-B	AHU-1	2900	7.6	0.25	BELT	711	0.355	1/2	208	3	1,2,3
EF-2HS	LOREN COOK	245CA4SWSI	ROOMS 35-39	3500	5	0.5	BELT	1553	0.332	3/4	208	3	1,2,3
EF-3HS	LOREN COOK	70C17DEC	S101	50	3.3	0.25	DIRECT	1267	0.013	1/6	120	1	1
EF-4HS	LOREN COOK	245ACEB	AHU-2	3360	5.7	0.33	BELT	491	0.406	1/2	208	3	1,2,3
EF-5HS	LOREN COOK	245ACEB	AHU-8	3340	5.7	0.33	BELT	490	0.405	1/2	208	3	1,2,3
EF-6HS	LOREN COOK	245ACEB	AHU-3	3340	5.7	0.33	BELT	490	0.405	1/2	208	3	1,2,3
EF-7HS	LOREN COOK	245ACEB	AHU-9	3340	5.7	0.33	BELT	490	0.405	1/2	208	3	1,2,3
EF-8HS	LOREN COOK	245ACEB	AHU-6	3340	5.7	0.33	BELT	490	0.405	1/2	208	3	1,2,3
EF-9HS	LOREN COOK	245ACEB	AHU-12	3100	5.2	0.33	BELT	475	0.367	1/2	208	3	1,2,3
EF-10HS	LOREN COOK	245ACEB	AHU-4	3340	5.7	0.33	BELT	490	0.405	1/2	208	3	1,2,3
EF-11HS	LOREN COOK	245ACEB	AHU-10	3340	5.7	0.33	BELT	490	0.405	1/2	208	3	1,2,3
EF-12HS	LOREN COOK	245ACEB	AHU-5	3340	5.7	0.33	BELT	490	0.405	1/2	208	3	1,2,3
EF-13HS	LOREN COOK	245ACEB	AHU-11	3340	5.7	0.33	BELT	490	0.405	1/2	208	3	1,2,3
EF-14HS	LOREN COOK	245ACEB	AHU-7	3140	5.3	0.33	BELT	478	0.374	1/2	208	3	1,2,3
EF-15HS	LOREN COOK	245ACEB	AHU-13	2960	5.0	0.33	BELT	468	0.349	1/2	208	3	1,2,3
EF-16HS	LOREN COOK	ACRUD-101R17D	CHEM HOOD 235	870	11.4	0.23	DIRECT	1725	.147	1/6	120	1	1,2
EF-17HS	LOREN COOK	ACRUD-101R17D	CHEM HOOD 239	870	11.4	0.23	DIRECT	1725	0.147	1/6	120	1	1,2
EF-18HS	LOREN COOK	330 ACEB	ROOMS 242-244	5300	7.7	0.5	BELT	410	0.91	1	208	3	1,2,3

NOTES:
1. PROVIDE MANUFACTURERS COMBINATION STARTER.
2. PROVIDE WITH MANUFACTURERS STANDARD 12" HIGH, INSULATED ROOF CURB
3. PROVIDE WITH VARAIBLE SPEED DRIVE.

UNIT VENTILATOR (UV) SCHEDULE

EQUIP. NO.	LOCATION	MANUFACTURER	MODEL	SA CFM	MIN. OA	HEATING DATA				HW COIL		ELECTRICAL			NOTES
						NO. ROWS	EAT	LAT	HEATING CAPACITY (MBH)	GPM	WPD (FT HD)	MCA	V/PH	MOP	
UV-1	CLASSROOM 035	TRANE	VUVE1250	1250	585	1	39.0	97.8	74.1	4.9	11.1	9.0	115/1	15	1,2,3,4
UV-2	CLASSROOM 039	TRANE	VUVE1000	1000	420	1	40.8	93.7	56.2	3.8	5.7	4.5	115/1	15	1,2,3,4
UV-3	CLASSROOM 038	TRANE	VUVE1250	1250	550	1	40.7	98.8	73.2	4.9	10.8	9.0	115/1	15	1,2,3,4
UV-4	CLASSROOM 207	TRANE	VUVE1000	1000	315	1	44.7	96.1	54.6	3.6	5.5	4.5	115/1	15	1,2,3,4
UV-5	CLASSROOM 205	TRANE	VUVE1000	1000	380	1	44.7	93.1	54.6	3.6	5.5	4.5	115/1	15	1,2,3,4
UV-6	CLASSROOM 217	TRANE	VUVE1000	1000	430	1	39.8	96.1	56.6	3.8	5.8	4.5	115/1	15	1,2,3,4
UV-7	CLASSROOM 204	TRANE	VUVE1000	1000	375	1	44.7	96.1	54.6	3.6	5.5	4.5	115/1	15	1,2,3,4
UV-8	CLASSROOM 206	TRANE	VUVE1000	1000	320	1	44.7	93.1	54.6	3.6	5.5	4.5	115/1	15	1,2,3,4
UV-9	CLASSROOM 216	TRANE	VUVE1000	1000	430	1	39.8	93.1	56.6	3.8	5.8	9.0	115/1	15	1,2,3,4
UV-10	CLASSROOM 243	TRANE	VUVE1500	1500	655	1	39.4	102.8	96.7	6.4	19.7	9.0	115/1	15	1,2,3,4
UV-11	CLASSROOM 244	TRANE	VUVE1500	1500	545	1	44.0	105.3	93.5	6.2	18.7	9.0	115/1	15	1,2,3,4
UV-12	CLASSROOM 242	TRANE	VUVE1500	1500	660	1	39.3	102.8	96.7	6.5	19.8	9.0	115/1	15	1,2,3,4

NOTES:
1. PROVIDE UNIT MANUFACTURER'S DISCONNECT SWITCH.
2. PROVIDE MERV13 FILTER
3. HEATING DATA BASED ON 180 DEG. F. E.W.T., 150 DEG. F. L.W.T.
4. COLOR SELECTION BY ARCHITECT.

CONDENSING UNIT (RCU) SCHEDULE

EQUIP. TAG	SERVES	MANUFACTURER	MODEL	ELECTRICAL				MOP	COOLING		COMPRESSOR		NOTES
				VOLTAGE	HERTZ	PHASE	MCA		NOM. TONS	EER (COP)	QTY	REFRIGERANT	
RCU-1HS	CC-1HS	JOHNSON/YORK	J40YDC40	208/230	60	3	151.1	175	20	12.6	2	R410a	1,2
RCU-2HS	CC-2HS	JOHNSON/YORK	J20YDC20	208/230	60	3	79.8	100	40	12.5	2	R410a	1,2
RCU-3HS	BAND/CHORAL	MITSUBISHI	PUHY-P72TNU-A	208/230	60	3	24.0	30	6	13.5	1	R410a	1

NOTES:
1. PROVIDE UNIT MANUFACTURER'S DISCONNECT SWITCH.
2. PROVIDE WITH HOT GAS BYPASS.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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BID SET

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

TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Schedules

Drawn By:	Date:	Drawing Number:
DPM/jtk	8/21/20	AM600

Project No.: 121111-19002

SYSTEM VALUES AHU-1			
Vps	3050	(UNCORRECTED OA) Vou	1223
(CORRECTED OA) Vot	1325	D	1.00
OA%	43	Ev	0.92
ADDITIONAL OA%	8		

SYSTEM VALUES AHU-2			
Vps	3360	(UNCORRECTED OA) Vou	1457
(CORRECTED OA) Vot	1715	D	1.00
OA%	51	Ev	0.85
ADDITIONAL OA%	18		

SYSTEM VALUES AHU-3			
Vps	3340	(UNCORRECTED OA) Vou	1479
(CORRECTED OA) Vot	1750	D	1.00
OA%	52	Ev	0.84
ADDITIONAL OA%	18		

SYSTEM VALUES AHU-4			
Vps	3340	(UNCORRECTED OA) Vou	1473
(CORRECTED OA) Vot	1750	D	1.00
OA%	52	Ev	0.84
ADDITIONAL OA%	19		

SYSTEM VALUES AHU-5			
Vps	3340	(UNCORRECTED OA) Vou	1479
(CORRECTED OA) Vot	1740	D	1.00
OA%	52	Ev	0.85
ADDITIONAL OA%	18		

SYSTEM VALUES AHU-6			
Vps	3340	(UNCORRECTED OA) Vou	1479
(CORRECTED OA) Vot	1740	D	1.00
OA%	52	Ev	0.85
ADDITIONAL OA%	18		

SYSTEM VALUES AHU-7			
Vps	3340	(UNCORRECTED OA) Vou	1204
(CORRECTED OA) Vot	1585	D	1.00
OA%	47	Ev	0.76
ADDITIONAL OA%	32		

SYSTEM VALUES AHU-8			
Vps	3340	(UNCORRECTED OA) Vou	1469
(CORRECTED OA) Vot	1720	D	1.00
OA%	51	Ev	0.85
ADDITIONAL OA%	17		

SYSTEM VALUES AHU-9			
Vps	3340	(UNCORRECTED OA) Vou	1480
(CORRECTED OA) Vot	1725	D	1.00
OA%	52	Ev	0.86
ADDITIONAL OA%	17		

SYSTEM VALUES AHU-10			
Vps	3340	(UNCORRECTED OA) Vou	1470
(CORRECTED OA) Vot	1720	D	1.00
OA%	51	Ev	0.85
ADDITIONAL OA%	17		

SYSTEM VALUES AHU-11			
Vps	3340	(UNCORRECTED OA) Vou	1480
(CORRECTED OA) Vot	1740	D	1.00
OA%	52	Ev	0.85
ADDITIONAL OA%	18		

SYSTEM VALUES AHU-12			
Vps	3140	(UNCORRECTED OA) Vou	1167
(CORRECTED OA) Vot	1485	D	1.00
OA%	47	Ev	0.79
ADDITIONAL OA%	27		

SYSTEM VALUES AHU-13			
Vps	3110	(UNCORRECTED OA) Vou	1417
(CORRECTED OA) Vot	1630	D	1.00
OA%	52	Ev	0.87
ADDITIONAL OA%	15		

SYSTEM VALUES DOAS-1			
Vps	2075	(UNCORRECTED OA) Vou	1663
(CORRECTED OA) Vot	2075	D	1.00
OA%	100	Ev	0.80
ADDITIONAL OA%	25		

SYSTEM VALUES LIBRARY AHU			
Vps	5200	(UNCORRECTED OA) Vou	1006
(CORRECTED OA) Vot	1360	D	1.00
OA%	26	Ev	0.74
ADDITIONAL OA%	35		

BUILDING/EQUIPMENT VENTILATION CALCULATIONS

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
AHU-1	24	CARPENTRY	WOOD/METAL SHOPS	1354	20	27	10	271	0.18	244	515	0.8	645	1350	0.48
	25	COMPUTER LAB	COMPUTER LAB	534	25	13	10	134	0.12	64	198	0.8	245	550	0.45
	26	STORAGE	STORAGE ROOMS	91	0	0	0	0	0.12	11	11	0.8	15	50	0.30
	27	STORAGE	STORAGE ROOMS	332	0	0	0	0	0.12	40	40	0.8	50	100	0.50
	28	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	980	35	34	10	343	0.12	118	461	0.8	575	1000	0.58
AHU-2	111	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	940	35	33	10	329	0.12	113	442	0.8	550	940	0.59
	113	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	1222	35	43	10	428	0.12	147	574	0.8	720	1480	0.49
	115	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	937	35	33	10	328	0.12	112	440	0.8	550	940	0.59
AHU-3	180	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	767	35	27	10	268	0.12	92	360	0.8	450	760	0.59
	182	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	806	35	28	10	282	0.12	97	379	0.8	475	910	0.52
	183	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	802	35	28	10	281	0.12	96	377	0.8	470	910	0.52
	184	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	771	35	27	10	270	0.12	93	362	0.8	455	760	0.60
AHU-4	132	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	772	35	27	10	270	0.12	93	363	0.8	455	760	0.60
	133	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	736	35	26	10	258	0.12	88	346	0.8	430	760	0.57
	189	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	793	35	28	10	278	0.12	95	373	0.8	465	910	0.51
	190	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	834	35	29	10	292	0.12	100	392	0.8	490	910	0.54
AHU-5	165	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	761	35	27	10	266	0.12	91	358	0.8	445	760	0.59
	166	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	811	35	28	10	284	0.12	97	381	0.8	475	910	0.52
	167	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	808	35	28	10	283	0.12	97	380	0.8	475	910	0.52
	171	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	766	35	27	10	268	0.12	92	360	0.8	450	760	0.59
AHU-6	185	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	762	35	27	10	267	0.12	91	358	0.8	450	760	0.59
	186	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	812	35	28	10	284	0.12	97	382	0.8	475	910	0.52
	187	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	807	35	28	10	282	0.12	97	379	0.8	475	910	0.52
	188	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	766	35	27	10	268	0.12	92	360	0.8	450	760	0.59
AHU-7	105	LAY DOWN	STORAGE ROOMS	212	0	0	0	0	0.12	25	25	0.8	30	150	0.20
	106	OFFICE	OFFICE SPACES	313	5	2	5	8	0.06	19	27	0.8	35	600	0.06
	107	PRACTICE	CLASSROOMS (AGE 9 PLUS)	70	35	2	10	25	0.12	8	33	0.8	40	50	0.80
	108	PRACTICE	CLASSROOMS (AGE 9 PLUS)	50	35	2	10	18	0.12	6	24	0.8	30	50	0.60
	109	PRACTICE	CLASSROOMS (AGE 9 PLUS)	38	35	1	10	13	0.12	5	18	0.8	20	50	0.40
	175	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	1135	35	40	10	397	0.12	136	533	0.8	665	1120	0.59
	175A	STORAGE	STORAGE ROOMS	78	0	0	0	0	0.12	9	9	0.8	10	100	0.10
	175B	STORAGE	STORAGE ROOMS	81	0	0	0	0	0.12	10	10	0.8	10	100	0.10
	176	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	1117	35	39	10	391	0.12	134	525	0.8	655	1120	0.58
AHU-8	209	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	759	35	27	10	266	0.12	91	357	0.8	445	760	0.59
	211	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	833	35	29	10	292	0.12	100	392	0.8	490	910	0.54
	213	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	795	35	28	10	278	0.12	95	374	0.8	465	910	0.51
	215	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	739	35	26	10	259	0.12	89	347	0.8	435	760	0.57
AHU-9	271	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	761	35	27	10	266	0.12	91	358	0.8	445	760	0.59
	272	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	812	35	28	10	284	0.12	97	382	0.8	475	910	0.52
	273	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	807	35	28	10	282	0.12	97	379	0.8	475	910	0.52
	274	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	768	35	27	10	269	0.12	92	361	0.8	450	760	0.59
AHU-10	208	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	760	35	27	10	266	0.12	91	357	0.8	445	760	0.59
	210	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	833	35	29	10	292	0.12	100	392	0.8	490	910	0.54
	212	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	795	35	28	10	278	0.12	95	374	0.8	465	910	0.51
	214	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	739	35	26	10	259	0.12	89	347	0.8	435	760	0.57
AHU-11	224	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	763	35	27	10	267	0.12	92	359	0.8	450	760	0.59
	226	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	811	35	28	10	284	0.12	97	381	0.8	475	910	0.52
	228	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	808	35	28	10	283	0.12	97	380	0.8	475	910	0.52
	230	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	766	35	27	10	268	0.12	92	360	0.8	450	760	0.59
AHU-12	235	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	1204	35	42	10	421	0.12	144	566	0.8	705	1300	0.54
	235S	STORAGE	STORAGE ROOMS	189	0	0	0	0	0.12	23	23	0.8	30	100	0.30
	239	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	1055	35	37	10	369	0.12	127	496	0.8	620	1060	0.58
	241	STORAGE	STORAGE ROOMS	686	0	0	0	0	0.12	82	82	0.8	105	680	0.15
AHU-13	234	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	1150	35	40	10	403	0.12	138	541	0.8	675	1150	0.59
	236	STORAGE	STORAGE ROOMS	169	0	0	0	0	0.12	20	20	0.8	25	100	0.25
	238	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	1029	35	36	10	360	0.12	123	484	0.8	605	1060	0.57
	240	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	793	35	28	10	278	0.12	95	373	0.8	465	800	0.58
DOAS-1	142	CHORAL	MUSIC/THEATER/DANCE	2644	35	93	10	925	0.06	159	1084	0.8	1355	1355	1.00
	143	BAND	MUSIC/THEATER/DANCE	1291	35	45	10	452	0.06	77	529	0.8	660	660	1.00
	143A	MUSIC STORAGE	STORAGE ROOMS	410	0	0	0	0	0.12	49	49	0.8	60	60	1.00
LIBRARY AHU	223	LIBRARY	LIBRARIES	2516	10	25	5	126	0.12	302	428	0.8	535	2700	0.20
	223-2	OFFICE	OFFICE SPACES	115	5	1	5	3	0.06	7	10	0.8	10	120	0.08
	223-3	COMPUTER LOUNGE	CLASSROOMS (AGE 9 PLUS)	350	35	12	10	123	0.12	42	165	0.8	205	440	0.47
	223-4	MAKER SPACE	CLASSROOMS (AGE 9 PLUS)	324	35	11	10	113	0.12	39	152	0.8	190	420	0.45
	223S1	STUDY POD	LIBRARIES	73	10	1	5	4	0.12	9	12	0.8	15	80	0.19
	223S2	STUDY POD	LIBRARIES	83	10	1	5	4	0.12	10	14	0.8	20	80	0.25
	223S3	STUDY POD	LIBRARIES	190	10	2	5	10	0.12	23	32	0.8	40	200	0.20
	223S4	STUDY POD	LIBRARIES	190	10	2	5	10	0.12	23	32	0.8	40	200	0.20
	223S5	STUDY POD	LIBRARIES	78	10	1	5	4	0.12	9	13	0.8	15	80	0.19
	223S6	STUDY POD	LIBRARIES	78	10	1	5	4	0.12	9	13	0.8	15	80	0.19
	219A	LIBRARY	LIBRARIES	791	10	8	5	40	0.12	95	134	0.8	170	800	0.21

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

BUILDING/EQUIPMENT VENTILATION CALCULATIONS

EQUIPMENT NUMBER	ZONE ID				MINIMUM VENTILATION RATES								
	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)
UV-1	35	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	1077	35	38	10	377	0.12	129	506	0.9	560
	36	STORAGE	STORAGE ROOMS	175	0	0	0	0	0.12	21	21	0.9	25
UV-2	39	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	800	35	28	10	280	0.12	96	376	0.9	420
UV-3	37	STORAGE	STORAGE ROOMS	144	0	0	0	0	0.12	17	17	0.9	20
	38	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	1011	35	35	10	354	0.12	121	475	0.9	530
UV-4	207	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	603	35	21	10	211	0.12	72	283	0.9	315
UV-5	205	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	728	35	25	10	255	0.12	87	342	0.9	380
UV-6	217	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	823	35	29	10	288	0.12	99	387	0.9	430
UV-7	204	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	718	35	25	10	251	0.12	86	337	0.9	375
UV-8	206	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	615	35	22	10	215	0.12	74	289	0.9	320
UV-9	216	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	820	35	29	10	287	0.12	98	385	0.9	430
UV-10	204	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	1258	35	44	10	440	0.12	151	591	0.9	655
UV-11	206	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	1044	35	37	10	365	0.12	125	491	0.9	545
UV-12	216	CLASSROOM	CLASSROOMS (AGE 9 PLUS)	1266	35	44	10	443	0.12	152	595	0.9	660

NOTES:
Rp = PEOPLE OUTDOOR AIR RATE, Ra = AREA OUTDOOR AIR RATE, Vbz = BREATHING ZONE OUTDOOR AIRFLOW ,
Ez = AIR DISTRIBUTION CONFIGURATION, Voz = ZONE OUTDOOR AIRFLOW

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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BID SET

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

TETRA TECH
ARCHITECTS & ENGINEERS

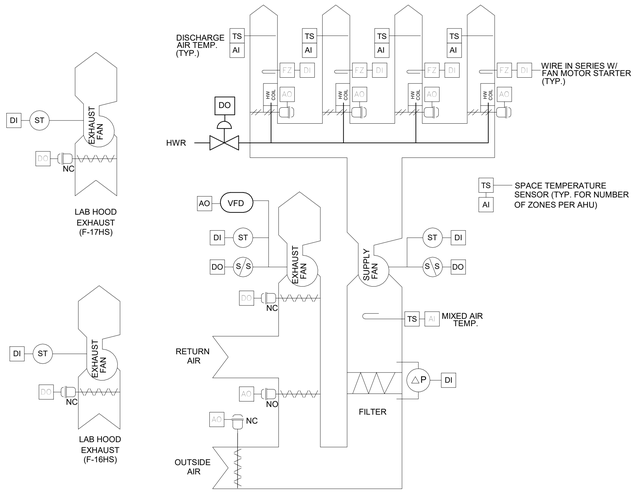
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Schedules

Drawn By:	Date:	Drawing Number:
DPM/jtk	8/21/20	AM601

Project No.: 121111-19002

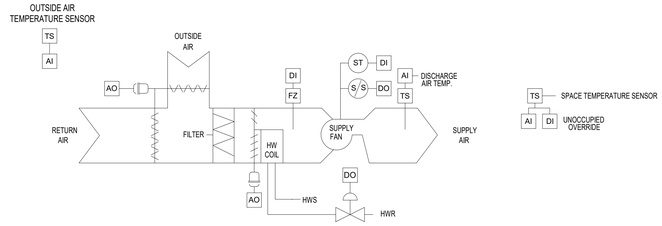


AIR HANDLING UNIT - MULTI-ZONE, HOT WATER (WITH LAB HOOD EXHAUST) - SEQUENCE OF OPERATIONS:

1. NOTE: FOR TEMPERATURE CONTROL SEQUENCE, REFER TO 4/AM701
2. WHEN A LAB HOOD EXHAUST FAN (F-16HS, 17HS) IS ENERGIZED, MANUALLY VIA SWITCH ON HOOD, THE F-9HS VFD SHALL RAMP DOWN LINEARLY TO ACHIEVE THE FOLLOWING AIRFLOW QUANTITIES WHICH SHALL BE DETERMINED DURING THE AIR BALANCING PROCESS.

   1 LAB HOOD FAN ON, F-9HS EXHAUST FLOW: 2230 CFM
   2 LAB HOOD FANS ON, F-9HS EXHAUST AIR FLOW: 1360 CFM

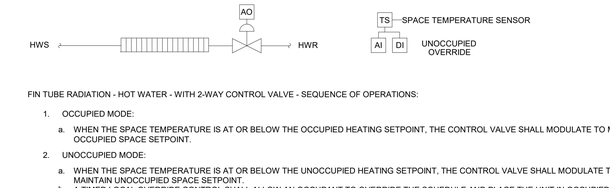
6 AHU - Multizone Classroom Unit Chemistry Room
NTS



UNIT VENTILATOR - HOT WATER - FACE AND BY-PASS - SEQUENCE OF OPERATIONS:

1. OCCUPIED MODE:
   a. SUPPLY FAN AND ASSOCIATED EXHAUST FAN SHALL RUN CONTINUOUSLY.
   b. THE OUTSIDE AIR DAMPER SHALL OPEN TO THE POSITION REQUIRED TO MAINTAIN THE MINIMUM OUTSIDE AIR QUANTITY INDICATED. OUTSIDE AIR DAMPER SHALL NEVER BE POSITIONED BELOW THIS MINIMUM POSITION EXCEPT IN CASE OF ALARM.
   c. WHEN THE OUTSIDE AIR TEMPERATURE IS 65 DEG. F. OR LOWER (ADJ.), OPEN HOT WATER VALVE TO ALLOW FLOW THROUGH THE COIL.
   d. THE FACE AND BY-PASS DAMPER SHALL MODULATE TO MAINTAIN SPACE HEATING SETPOINT SUBJECT TO DISCHARGE HIGH LIMIT OF 110 DEG. F (ADJUSTABLE) AND DISCHARGE LOW LIMIT OF 40 DEG. F (ADJUSTABLE).
   e. WHEN THE SPACE TEMPERATURE RISES 3 DEG. F (ADJUSTABLE) ABOVE THE SPACE HEATING SETPOINT, AND THE OUTSIDE AIR TEMPERATURE IS LOWER THAN THE SPACE TEMPERATURE, THE OUTSIDE AIR DAMPER SHALL MODULATE OPEN TO MAINTAIN THE OCCUPIED SETPOINT. THIS SHALL BE DONE SUBJECT TO DISCHARGE LOW LIMIT OF 55 DEG. F (ADJUSTABLE), AND WITH THE FACE AND BY-PASS DAMPER POSITIONED TO FULL BY-PASS OF THE COIL. CLOSE 2-WAY, 2-POSITION VALVE DURING ECONOMIZER SEQUENCE.
2. UNOCCUPIED MODE:
   a. SUPPLY FAN AND ASSOCIATED EXHAUST FAN SHALL BE OFF.
   b. THE OUTSIDE AIR DAMPER AND THE ASSOCIATED RELIEF/EXHAUST AIR DAMPER SHALL BE CLOSED.
   c. MODULATE FINNED TUBE RADIATION VALVE, WHERE APPLICABLE, TO MAINTAIN ROOM TEMPERATURE SETPOINT.
   d. UPON A DROP IN SPACE TEMPERATURE, BELOW UNOCCUPIED SETPOINT, START FAN AND MODULATE FACE AND BYPASS DAMPER AS REQUIRED UNTIL SETPOINT IS ACHIEVED. USE A 5 DEG. (ADJ.) DEADBAND TO MINIMIZE SHORT CYCLING.
   e. A TIMED LOCAL OVERRIDE CONTROL SHALL ALLOW AN OCCUPANT TO OVERRIDE THE SCHEDULE AND PLACE THE UNIT INTO OCCUPIED MODE FOR 1 HOUR (ADJ.). AT EXPIRATION OF THIS TIME, CONTROL OF THE UNIT SHALL AUTOMATICALLY RETURN TO THE SCHEDULE.
3. WARM-UP MODE:
   a. THE UNIT SHALL START PER AN OPTIMUM START PROGRAM.
   b. THE OUTSIDE AIR DAMPER AND THE ASSOCIATED EXHAUST AIR DAMPER SHALL BE CLOSED AND EXHAUST FAN SHALL BE OFF.
   c. THE SUPPLY FAN SHALL RUN AND THE FACE AND BY-PASS DAMPER SHALL MODULATE TO MAINTAIN OCCUPIED SPACE HEATING SETPOINT SUBJECT TO DISCHARGE HIGH LIMIT OF 110 DEG. F (ADJUSTABLE) AND DISCHARGE LOW LIMIT OF 70 DEG. F (ADJ.).
4. SAFETIES / ALARMS
   a. A SEPARATE LOW LIMIT FREEZE STAT WITH AUTOMATIC RESET SHALL BE INSTALLED WITH SENSING ELEMENT SERPENTINED ACROSS THE FACE OF THE COIL. WHENEVER COIL FREEZE-UP CONDITIONS OCCUR (36 DEG. F., ADJ.) THE SUPPLY FAN SHALL STOP, THE OUTSIDE AIR DAMPER SHALL CLOSE AND THE FACE AND BYPASS DAMPER SHALL BE POSITIONED TO FULL FACE TO THE COIL. AN ALARM SHALL ALSO BE ACTIVATED.
   b. FAN STATUS IS OFF WHEN SCHEDULED TO RUN.

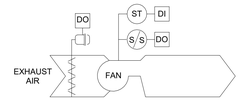
4 UV - Hot Water - Face and Bypass Control
NTS



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 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 TO MAINTAIN UNOCCUPIED SPACE SETPOINT.
   b. A TIMED LOCAL OVERRIDE CONTROL SHALL ALLOW AN OCCUPANT TO OVERRIDE THE SCHEDULE AND PLACE THE UNIT IN OCCUPIED MODE FOR 1 HOUR (ADJUSTABLE). AT EXPIRATION OF THIS TIME, CONTROL OF THE UNIT SHALL AUTOMATICALLY RETURN TO THE SCHEDULE.
3. WARM-UP MODE:
   a. WHEN THE SPACE TEMPERATURE IS AT OR BELOW THE OCCUPIED HEATING SETPOINT, THE CONTROL VALVE SHALL MODULATE 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 OPEN 100%. AN ALARM SHALL BE ACTIVATED.

1 Fin Tube Radiation - Hot Water With Two Way Control Valve
NTS

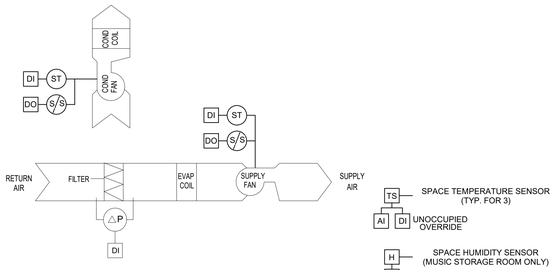


EXHAUST FAN - CONSTANT SPEED - SEQUENCE OF OPERATIONS:

INTERLOCK THE OPERATION OF THE EXHAUST FANS AND AUTOMATIC DAMPERS WITH THEIR RESPECTIVE HEATING AND COOLING EQUIPMENT.

1. OCCUPIED MODE:
   a. THE EXHAUST FAN SHALL RUN CONTINUOUSLY AND THE AUTOMATIC AIR DAMPER SHALL OPEN.
2. UNOCCUPIED MODE:
   a. THE EXHAUST FAN SHALL BE OFF AND THE AUTOMATIC AIR DAMPER SHALL BE CLOSED.
3. WARM-UP MODE:
   a. THE EXHAUST FAN SHALL BE OFF AND THE AUTOMATIC AIR DAMPER SHALL BE CLOSED.
4. SAFETIES:
   a. UPON A FAILURE OF THE FAN, AS SENSED BY A CURRENT SENSING STATUS SWITCH, AN ALARM SHALL BE ACTIVATED.

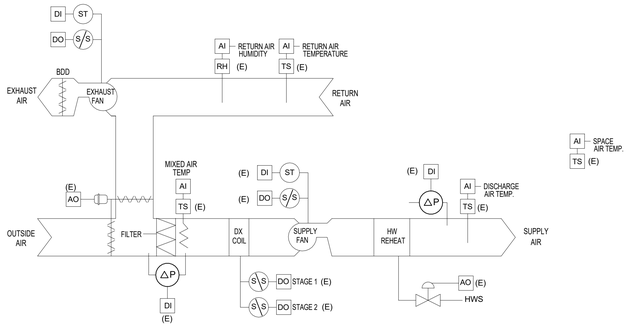
2 Exhaust Fan - Constant Speed
NTS



HEAT PUMP UNIT (FAN COIL UNIT) - SEQUENCE OF OPERATIONS:

1. OCCUPIED MODE:
   a. UNIT SHALL MAINTAIN A 75 DEG.F. (ADJ.) COOLING SETPOINT.
   b. UNIT SHALL MAINTAIN A 70 DEG. F. (ADJ.) HEATING SETPOINT.
2. UNOCCUPIED MODE:
   a. UNIT SHALL MAINTAIN AN 75 DEG.F. (ADJ.) COOLING SETPOINT.
   b. UNIT SHALL MAINTAIN A 55 DEG. F. (ADJ.) HEATING SETPOINT.
3. FAN: THE FAN SHALL RUN ANY TIME THE UNIT IS COMMANDED TO RUN UNLESS SHUTDOWN ON SAFETIES.
4. HEATING AND COOLING: THE CONTROLLER SHALL MEASURE THE ZONE TEMPERATURE AND CYCLE THE COMPRESSOR TO MAINTAIN ITS SETPOINT. TO PREVENT SHORT CYCLING, THE STAGE SHALL HAVE A USER DEFINABLE, ADJUSTABLE MINIMUM RUNTIME. THE COMPRESSORE SHALL RUN SUBJECT TO ITS OWN INTERNAL SAFETIES AND CONTROLS.
   a. ON MODE CHANGE, THE COMPRESSOR SHALL BE DISABLED AND REMAIN OFF UNTIL AFTER THE REVERSING VALVE HAS CHANGED POSITION.
   b. FINNED TUBE RADIATION, WHERE APPLICABLE WILL PROVIDE FIRST STAGE OF HEATING.
5. THE CONTROLLER SHALL MONITOR ALARMS AS FOLLOWS:
   a. FAN FAILURE ALARM: COMMANDED ON BUT STATUS IS OFF.
   b. FILTER STATUS.
6. THE CORRESPONDING DOAS UNIT SHALL WORK IN CONJUNCTION WITH SPACE FCU'S WHEN INDEXING BETWEEN HEATING AND COOLING.

3 Heat Pump (FCU) Control
NTS



ROOFTOP UNIT - AUDITORIUM - SEQUENCE OF OPERATIONS:

NOTE: ALL POINTS DESIGNATED AS (E) ARE EXISTING. REMOVE UNIT MOUNTED CONTROL DEVICES, SENSORS, ETC. FROM EXISTING RTU AND SAVE FOR REUSE. INSTALL EXISTING REMOVED DEVICES AND SENSORS FOLLOWING INSTALLATION OF NEW ROOFTOP UNITS. PROVIDE CONTROL FOR UNIT MOUNTED EXHAUST FAN AS INDICATED.

1. EXISTING SEQUENCE OF OPERATION SHALL REMAIN IN PLACE.
2. RTU EXHAUST FAN SHALL RUN WHENEVER SUPPLY FAN RUNS.

5 Auditorium Rooftop Unit Control
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
- VAV AIRFLOW SENSOR
- TEMPERATURE SENSOR CAPILLARY TUBE

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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TETRA TECH ARCHITECTS & ENGINEERS

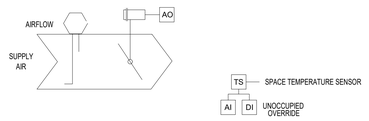
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Controls

Drawn By:	Date:	Drawing Number:
DPM/jtk	8/21/20	AM700

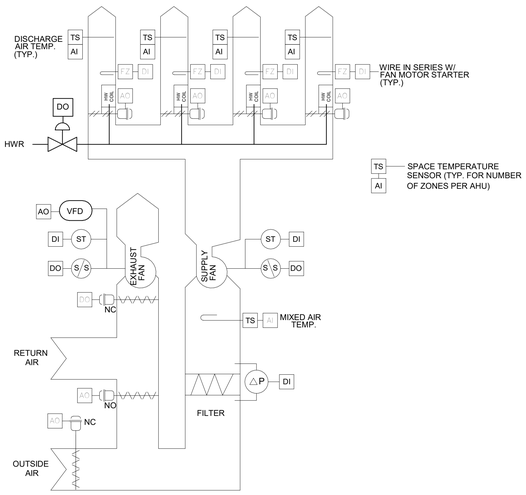
Project No.: 121111-19002



VARIABLE AIR VOLUME TERMINAL DEVICE:

1. 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.
2. 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.
3. PERIMETER HEATING (WHERE AVAILABLE)
   a. THE CONTROLLER SHALL MEASURE THE ZONE TEMPERATURE AND MODULATE THE PERIMETER HEATING COIL VALVE AS REQUIRED TO MAINTAIN IT HEATING SETPOINT.

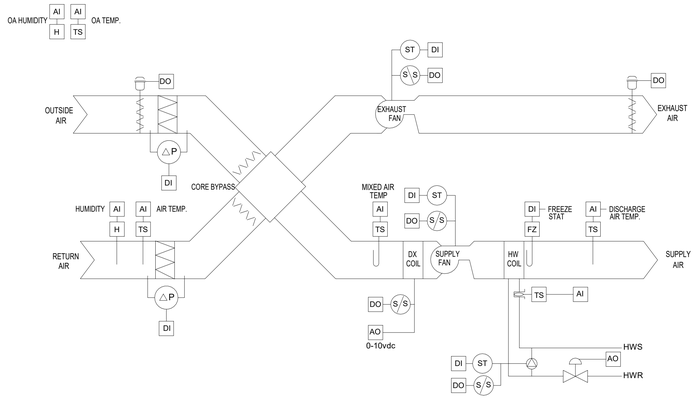
3 VAV Terminal Device
NTS



AIR HANDLING UNIT - MULTI-ZONE, HOT WATER - SEQUENCE OF OPERATIONS:

1. OCCUPIED MODE:
   a. THE SUPPLY AND EXHAUST FANS SHALL RUN CONTINUOUSLY BASED UPON AN OPERATOR ADJUSTABLE SCHEDULE.
   b. WHEN SCHEDULED, OPEN THE OUTSIDE AIR AND RETURN AIR DAMPERS TO THE POSITIONS REQUIRED TO MAINTAIN THE MINIMUM OUTSIDE AIR QUANTITY INDICATED. OPEN EXHAUST AIR DAMPER AND MODULATE EXHAUST FAN VFD TO EQUAL MINIMUM OUTSIDE AIR QUANTITIES AS SCHEDULED. THE OUTSIDE AIR DAMPER SHALL NEVER BE POSITIONED BELOW THIS MINIMUM POSITION EXCEPT IN CASE OF ALARM.
   c. OPEN THE HOT WATER 2-WAY VALVE WHEN THE OUTSIDE AIR TEMPERATURE IS 50 DEG. F. (ADJ.).
   d. UPON A CALL FOR HEAT, THE RESPECTIVE ZONE DAMPER SHALL MODULATE OPEN TO THE HEATING COIL WITH BYPASS DAMPER ACTING LINEARLY TO CLOSE.
   e. MODULATE THE THE FACE AND BYPASS DAMPERS AS REQUIRED TO MAINTAIN SPACE TEMPERATURE SETPOINT.
2. ECONOMIZER:
   a. WHEN THE AVERAGE SPACE TEMPERATURE RISES 3 DEG. F. (ADJ.) ABOVE THE SPACE HEATING SETPOINT AND THE OUTSIDE AIR TEMPERATURE IS LOWER THAN THE AVERAGE SPACE TEMPERATURE, OPEN THE OUTSIDE AIR DAMPER BEYOND MINIMUM POSITION, CLOSE RETURN AIR DAMPER, RAMP EXHAUST FAN SPEED TO 100% AND BEGIN ECONOMIZER COOLING AND MODULATE FACE AND BYPASS DAMPER TO BYPASS POSITION.
3. UNOCCUPIED MODE:
   a. THE SUPPLY AND EXHAUST FAN SHALL BE OFF.
   b. THE OUTSIDE AIR DAMPER SHALL BE FULLY CLOSED AND THE RETURN AIR DAMPER SHALL BE FULLY OPEN.
   c. WHERE SPACE HAS FINNED TUBE RADIATION, RADIATION SHALL PROVIDE FIRST STAGE UNOCCUPIED HEATING.
   d. ON DROP IN SPACE TEMPERATURE BELOW THE UNOCCUPIED HEATING SETPOINT, CYCLE THE FAN ON AND MODULATE THE FACE AND BYPASS DAMPER TO MAINTAIN SPACE HEATING SETPOINT.
   e. A TIMED LOCAL OVERRIDE CONTROL SHALL ALLOW AN OCCUPANT TO OVERRIDE THE SCHEDULE AND PLACE THE UNIT INTO OCCUPIED MODE FOR 1 HOUR (ADJUSTABLE). AT EXPIRATION OF THIS TIME, CONTROL OF THE UNIT SHALL AUTOMATICALLY RETURN TO THE SCHEDULE.
4. MORNING PURGE:
   a. ONE HOUR PRIOR TO MORNING WARM UP, THE UNIT SHALL PERFORM A 30 MINUTE PURGE SEQUENCE
      - OPEN OUTSIDE AND EXHAUST AIR DAMPERS.
      - START SUPPLY AND EXHAUST FAN (FULL SPEED).
      - MAINTAIN UNOCCUPIED TEMPERATURE CONDITIONS.
5. WARM-UP MODE:
   a. THE UNIT SHALL START PER AN OPTIMUM START PROGRAM.
   b. THE UNIT SHALL START PRIOR TO SCHEDULED OCCUPANCY BASED ON THE TIME NECESSARY FOR THE ZONES TO REACH THEIR OCCUPIED SETPOINTS. THE START TIME SHALL AUTOMATICALLY ADJUST BASED ON CHANGES IN OUTSIDE AIR TEMPERATURE AND ZONE TEMPERATURES.
   c. THE OUTSIDE AIR DAMPER SHALL BE FULLY CLOSED AND THE RETURN AIR DAMPER SHALL BE FULLY OPEN. THE RESPECTIVE EXHAUST FAN SHALL BE OFF.
6. SAFETIES:
   a. DIFFERENTIAL PRESSURE ACROSS THE AIR FILTERS SHALL GENERATE AN ALARM WHENEVER THE DIFFERENTIAL PRESSURE EXCEEDS IT'S ADJUSTABLE SETPOINT.
   b. A SEPARATE LOW LIMIT FREEZE STAT WITH AUTOMATIC RESET SHALL BE INSTALLED WITH SENSING ELEMENT SERPENTINED ACROSS THE DISCHARGE FACE OF THE COIL; WHENEVER COIL FREEZE-UP CONDITIONS ARISE (36 DEG. F ADJUSTABLE) THE SUPPLY FAN SHALL STOP, THE OUTSIDE AIR DAMPER SHALL CLOSE 100%, AND THE FACE DAMPER SHALL OPEN 100% TO HEATING COIL. AN ALARM SHALL BE ACTIVATED.
   c. ALARMS SHALL BE PROVIDED AS FOLLOWS:
      - SUPPLY FAN FAILURE: ON, BUT STATUS IS OFF.
      - SUPPLY FAN IN HAND: COMMANDED OFF BUT THE STATUS IS ON.
      - EXHAUST FAN FAILURE: ON, BUT STATUS IS OFF.
      - EXHAUST FAN IN HAND: COMMANDED OFF BUT THE STATUS IS ON.
      - HIGH HEATING SUPPLY AIR TEMPERATURE: IF HEATING SUPPLY AIR TEMPERATURE IS GREATER THAN 120 DEG. F. (ADJ.).
      - LOW HEATING SUPPLY AIR TEMPERATURE: IF THE HEATING SUPPLY AIR TEMPERATURE IS 10 DEG. F. BELOW SETPOINT FOR 5 MINUTES (ADJ.).
      - FIRE ALARM SIGNAL SHALL SHUT SUPPLY AND EXHAUST FAN OFF, CLOSE OUTSIDE AND EXHAUST AIR DAMPERS.

4 AHU - Multizone Classroom Units
NTS

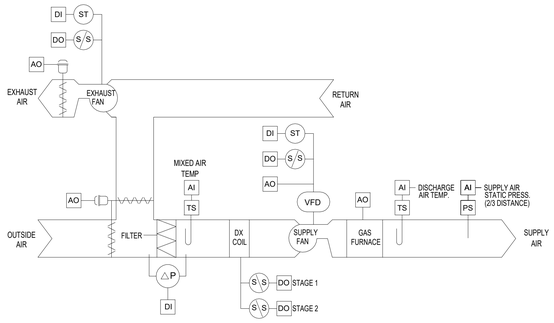


MUSIC ROOMS DOAS ROOFTOP UNIT - SEQUENCE OF OPERATIONS:

1. OCCUPIED MODE:
   a. THE SUPPLY AND EXHAUST FAN SHALL RUN CONTINUOUSLY.
   b. THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING AND EMERGENCY SHUTDOWN SIGNAL.
   c. ALARMS SHALL BE PROVIDED AS FOLLOWS:
      1. SUPPLY FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
      2. SUPPLY FAN IN HAND: COMMANDED OFF BUT STATUS IS ON.
2. UNOCCUPIED MODE:

   THE SUPPLY AND EXHAUST FAN SHALL BE OFF.
   THE OUTSIDE AIR DAMPER AND THE ASSOCIATED EXHAUST DAMPER SHALL BE FULLY CLOSED.
   A TIMED LOCAL OVERRIDE CONTROL SHALL ALLOW AN OCCUPANT TO OVERRIDE THE SCHEDULE AND PLACE THE UNIT IN OCCUPIED MODE FOR 1 HOUR (ADJUSTABLE). AT EXPIRATION OF THIS TIME, CONTROL OF THE UNIT SHALL AUTOMATICALLY RETURN TO THE SCHEDULE.
3. SUPPLY AIR TEMPERATURE SETPOINT - OPTIMIZED:
   a. HEATING SHALL BE ENABLED WHENEVER:
      - OUTSIDE AIR TEMPERATURE IS LESS THAN 65 DEG. F. (ADJ.).
      - SUPPLY FAN STATUS IS ON.
      - COOLING IS NOT ACTIVE.
   b. COOLING SHALL BE ENABLED WHENEVER:
      - OUTSIDE AIR TEMPERATURE IS GREATER THAN 60 DEG. F. (ADJ.).
      - ECONOMIZER IS DISABLED.
      - SUPPLY FAN STATUS IS ON.
      - HEATING IS NOT ACTIVE.
   c. WHEN THE OUTSIDE AIR TEMPERATURE IS LESS THAN 65 DEG. F. (ADJ.), START THE HOT WATER COIL PUMP.
      - MODULATE THE HEATING COIL HOT WATER VALVE AS REQUIRED TO MAINTAIN THE HEATING SUPPLY AIR TEMPERATURES AS DESCRIBED BELOW.
   d. UPON A CALL FOR COOLING, MODULATE THE COOLING AS REQUIRED TO MAINTAIN THE COOLING SUPPLY AIR TEMERATURES AS DESCRIBED BELOW.
   e. THE CONTROLLER SHALL MONITOR THE SUPPLY AIR TEMPERATURE AND SHALL MAINTAIN A SUPPLY AIR TEMPERATURE SETPOINT RESET BASED ON ZONE COOLING AND HEATING REQUIREMENTS.
   f. THE SUPPLY AIR TEMPERATURE SETPOINT SHALL BE RESET FOR COOLING BASED ON ZONE COOLING REQUIREMENTS AS FOLLOWS:
      - INITIAL SUPPLY AIR TEMPERATURE SETPOINT SHALL BE 55 DEG. F. (ADJ.).
      - AS COOLING INCREASES, THE SETPOINT SHALL INCREMENTALLY RESET DOWN TO A MINIMUM OF 53 DEG. F. (ADJ).
      - AS COOLING DEMAND DECREASES, THE SETPOINT SHALL INCREMENTALLY BE RESET UPWARD TO A MAXIMUM OF 72 DEG. F. (ADJ).
   g. IF MORE ZONES NEED HEATING THAN COOLING, THE SUPPLY AIR TEMPERATURE SETPOINT SHALL BE RESET FOR HEATING AS FOLLOWS:
      - THE INITIAL SUPPLY AIR TEMPERATURE SETPOINT SHALL BE 82 DEG. F. (ADJ).
      - AS HEATING DEMAND INCREASES, THE SETPOINT SHALL INCREMENTALLY RESET UP TO A MAXIMUM OF 85 DEG. F. (ADJ.).
      - AS HEATING DEMAND DECREASES, THE SETPOINT SHALL INCREMENTALLY RESET DOWN TO A MINIMUM OF 72 DEG. F. (ADJ.).
4. ECONOMIZER (BYPASS):
   a. WHEN THE OUTSIDE AIR ENTHALPY IS BELOW THE RETURN AIR ENTHALPY, THE ECONOMIZER WILL MODULATE TO BYPASS AIR AROUND THE ENERGY RECOVERY CORE.
   b. DURING NORMAL OPERATION, THE BYPASS DAMPER SHALL REMAIN CLOSED AND THE AIR WILL PASS THRU THE ENERGY RECOVERY CORE.
   b. THE ECONOMIZER SHALL BE ENABLED WHENEVER:
      - THE OUTSIDE AIR TEMPERATURE IS LESS THAN 65 DEG. F. (ADJ.).
      - AND THE OUTSIDE AIR TEMPERATURE IS LESS THAN THE RETURN AIR TEMPERATURE.
      - AND THE SUPPLY FAN IS ON.
   c. THE ECONOMIZER SHALL BE DISABLED WHENEVER:
      - THE MIXED AIR TEMPERATURE DROPS FROM 40 TO 35 DEG. F. (ADJ.).
      - SUPPLY FAN IS OFF.
5. MORNING PURGE:
   a. ONE HOUR PRIOR TO SCHEDULED OCCUPANCY, THE UNIT SHALL PERFORM A 30 MINUTE DURATION PURGE SEQUENCE.
      - OPEN OUTSIDE AND EXHAUST DAMPERS
      - OPEN BYPASS DAMPER
      - START SUPPLY AND EXHAUST FANS.
      - MAINTAIN UNOCCUPIED SETBACK TEMPERATURE CONDITIONS.
6. SAFETIES AND ALARMS:
   a. AN AUTOMATIC RESET FREEZESTAT SET AT 38 DEG. F. SHALL DISABLE THE SUPPLY AND EXHAUST FAN, CLOSE THE OUTSIDE AND EXHAUST DAMPERS AND OPEN THE TWO-WAY HEATING VALVE 100%. FREEZESTAT SHALL BE WIRED IN SERIES WITH FAN MOTOR STARTER.
   b. SUPPLY WATER TEMPERATURE TO HOT WATER COIL FALLS BELOW 90 DEG. F. (ADJ.) WITH VALVE OPEN SHALL DISABLE THE SUPPLY AND EXHAUST FAN AND CLOSE THE OUTSIDE AND EXHAUST DAMPERS.
   c. HIGH SUPPLY AIR TEMPERATURE ALARM, 120 DEG. F. (ADJ.) SUPPLY AIR TEMPERATURE.
   d. FIRE ALARM SIGNAL SHALL DISABLE THE UNIT.
   e. SUPPLY FAN, EXHAUST FAN, PUMP ALARM:
      - FAILURE: COMMANDED ON BUT STATUS IS OFF.
      - UNIT IN HAND: COMMANDED OFF BUT STATUS IS ON.
   f. RETURN OR OUTSIDE AIR FILTER PRESSURE DIFFERENTIAL EXCEEDS SETPOINT.

2 Music Rooms - DOAS Rooftop Unit
NTS



LIBRARY ROOFTOP UNIT - SEQUENCE OF OPERATIONS:

THE LIBRARY RTU IS AN EXISTING UNIT CURRENTLY OPERATING UNDER FACTORY SUPPLIED CONTROLS. IT IS THE INTENT TO REMOVE THE EXISTING CONTROLS AND REPLACE WITH FIELD MOUNTED CONTROLS AS DESCRIBED BELOW.

1. OCCUPIED MODE:
   a. THE SUPPLY AND EXHAUST FAN SHALL RUN CONTINUOUSLY OR A DEFINABLE NUMBER OF UNOCCUPIED ZONES NEED HEATING OR COOLING.
   b. OPEN OUTSIDE, AND RETURN AIR DAMPER TO MINIMUM POSITION AS SCHEDULED. DURING OCCUPIED PERIODS, THE OA DAMPER SHALL NEVER FALL BELOW THE MINIMUM POSITION.
   c. THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING AN EMERGENCY SHUTDOWN SIGNAL.
   c. THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING A HIGH STATIC SHUTDOWN SIGNAL (25% GREATER THAN SETPOINT).
   d. ALARMS SHALL BE PROVIDED AS FOLLOWS:
      1. SUPPLY FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
      2. SUPPLY FAN IN HAND: COMMANDED OFF BUT STATUS IS ON.
2. UNOCCUPIED MODE:
   a. THE SUPPLY AND ASSOCIATED EXHAUST FAN SHALL BE OFF.
   b. THE OUTSIDE AIR DAMPER AND THE ASSOCIATED EXHAUST DAMPER SHALL BE FULLY CLOSED AND THE RETURN AIR DAMPER SHALL BE FULLY OPEN.
   c. WHERE SPACE HAS FINNED TUBE RADIATION, RADIATION SHALL PROVIDE FIRST STAGE UNOCCUPIED HEATING.
   d. ON DROP IN SPACE TEMPERATURE BELOW THE UNOCCUPIED HEATING SETPOINT, CYCLE THE FAN ON AND THE GAS FURNACE SHALL FIRE AT THE FULL FIRING RATE TO MAINTAIN REDUCED SPACE TEMPERATURE. USE 5 DEG. F (ADJUSTABLE) DEADBAND TO MINIMIZE SHORT CYCLING.
   e. A TIMED LOCAL OVERRIDE CONTROL SHALL ALLOW AN OCCUPANT TO OVERRIDE THE SCHEDULE AND PLACE THE UNIT IN OCCUPIED MODE FOR 1 HOUR (ADJUSTABLE). AT EXPIRATION OF THIS TIME, CONTROL OF THE UNIT SHALL AUTOMATICALLY RETURN TO THE SCHEDULE.
3. SUPPLY AIR DUCT STATIC PRESSURE CONTROL:
   a. THE CONTROLLER SHALL MEASURE DUCT STATIC PRESSURE VIA SENSOR MOUNTED 2/3 DOWNSTREAM OF SUPPLY FAN AND MODULATE THE SUPPLY FAN VFD SPEED TO MAINTAIN A DUCT STATIC PRESSURE SETPOINT SUBJECT TO THE MINIMUM FAN SPEED REQUIRED TO DELIVER THE MINIMUM AMOUNT OF OUTDOOR AIR AS SCHEDULED.
   b. THE STATIC PRESSURE SETPOINT SHALL BE RESET BASED UPON THE POSITION OF THE ZONE DAMPERS WITH A GOAL OF REDUCING THE STATIC PRESSURE UNTIL AT LEAST ONE ZONE DAMPER IS NEARLY WIDE OPEN.
      1. INITIAL DUCT STATIC PRESSURE SETPOINT SHALL BE 1.5 IN. WC. (ADJ.).
      2. IF NO ZONE DAMPER IS NEARLY WIDE OPEN, THE SETPOINT SHALL INCREMENTALLY RESET DOWN TO A MINIMUM OF 1.3 IN. WC. (ADJ).
      3. AS ONE OR MORE DAMPERS NEARS THE WIDE OPEN POSITION, THE SETPOINT SHALL INCREMENTALLY RESET UP TO A MAXIMUM OF 1.8 IN. WC. (ADJ.).
4. SUPPLY AIR TEMPERATURE SETPOINT - OPTIMIZED:
   a. HEATING SHALL BE ENABLED WHENEVER:
      - OUTSIDE AIR TEMPERATURE IS LESS THAN 60 DEG. F. (ADJ.).
      - SUPPLY FAN STATUS IS ON.
      - COOLING IS NOT ACTIVE.
   b. COOLING SHALL BE ENABLED WHENEVER:
      - OUTSIDE AIR TEMPERATURE IS GREATER THAN 65 DEG. F. (ADJ.).
      - ECONOMIZER IS DISABLED.
      - SUPPLY FAN STATUS IS ON.
      - HEATING IS NOT ACTIVE.
   c. THE CONTROLLER SHALL MONITOR THE SUPPLY AIR TEMPERATURE AND SHALL MAINTAIN A SUPPLY AIR TEMPERATURE SETPOINT RESET BASED ON ZONE COOLING AND HEATING REQUIREMENTS.
   d. THE SUPPLY AIR TEMPERATURE SETPOINT SHALL BE RESET FOR COOLING BASED ON ZONE COOLING REQUIREMENTS AS FOLLOWS:
      - INITIAL SUPPLY AIR TEMPERATURE SETPOINT SHALL BE 55 DEG. F. (ADJ.).
      - AS COOLING INCREASES, THE SETPOINT SHALL INCREMENTALLY RESET DOWN TO A MINIMUM OF 53 DEG. F. (ADJ).
      - AS COOLING DEMAND DECREASES, THE SETPOINT SHALL INCREMENTALLY BE RESET UPWARD TO A MAXIMUM OF 72 DEG. F. (ADJ).
   e. IF MORE ZONES NEED HEATING THAN COOLING, THE SUPPLY AIR TEMPERATURE SETPOINT SHALL BE RESET FOR HEATING AS FOLLOWS:
      - THE INITIAL SUPPLY AIR TEMPERATURE SETPOINT SHALL BE 82 DEG. F. (ADJ).
      - AS HEATING DEMAND INCREASES, THE SETPOINT SHALL INCREMENTALLY RESET UP TO A MAXIMUM OF 85 DEG. F. (ADJ.).
      - AS HEATING DEMAND DECREASES, THE SETPOINT SHALL INCREMENTALLY RESET DOWN TO A MINIMUM OF 72 DEG. F. (ADJ.).
5. ECONOMIZER:
   a. THE CONTROLLER SHALL MEASURE THE MIXED AIR TEMPERATURE AND MODULATE THE OA/SA DAMPERS IN SEQUENCE TO MAINTAIN A SETPOINT 2 DEG. F. LESS THAN THE SUPPLY AIR TEMPERATURE SETPOINT. THE OUTSIDE AIR DAMPER SHALL MAINTAIN A MINIMUM POSITION AS SCHEDULED WHENEVER OCCUPIED.
   b. THE ECONOMIZER SHALL BE ENABLED WHENEVER:
      - THE OUTSIDE AIR TEMPERATURE IS LESS THAN 65 DEG. F. (ADJ.).
      - AND THE OUTSIDE AIR TEMPERATURE IS LESS THAN THE AVERAGE OF THE OCCUPIED ZONES.
      - AND THE SUPPLY FAN IS ON.
   c. THE ECONOMIZER SHALL BE DISABLED WHENEVER:
      - THE MIXED AIR TEMPERATURE DROPS FROM 40 TO 35 DEG. F. (ADJ.).
      - SUPPLY FAN IS OFF.
5. MORNING PURGE:
   a. ONE HOUR PRIOR TO MORNING WARM-UP SEQUENCE, THE UNIT SHALL PERFORM A 30 MINUTE DURATION PURGE SEQUENCE.
      - OPEN OUTSIDE AND EXHAUST DAMPERS
      - CLOSE RETURN DAMPER
      - START SUPPLY AND EXHAUST FANS.
      - MAINTAIN UNOCCUPIED SETBACK TEMPERATURE CONDITIONS.
6. WARM-UP
   a. THE UNIT SHALL START PER AN OPTIMUM START PROGRAM.
   b. THE OUTSIDE AIR DAMPER AND EXHAUST DAMPER SHALL BE FULLY CLOSED, THE RETURN AIR DAMPER SHALL BE FULLY OPEN, AND THE ASSOCIATED EXHAUST FAN SHALL BE OFF.
   c. THE SUPPLY FAN SHALL RUN AND THE GAS FURNACE SHALL MODULATE TO MAINTAIN OCCUPIED SETPOINT.
7. SAFETIES:
   a. DIFFERENTIAL PRESSURE ACROSS THE AIR FILTERS SHALL GENERATE AN ALARM WHENEVER THE DIFFERENTIAL PRESSURE EXCEEDS ITS ADJUSTABLE SETPOINT.
   b. IF THE DISCHARGE AIR TEMPERATURE DROPS BELOW 35 DEG. F (ADJUSTABLE), THE SUPPLY FAN SHALL TURN OFF AND SHALL BE LOCKED OUT, AND AN ALARM SHALL BE ACTIVATED.
   c. IF THE DISCHARGE AIR TEMPERATURE RISES ABOVE 120 DEG. F (ADJUSTABLE), THE GAS FURNACE SHALL TURN OFF AND AN ALARM SHALL BE ACTIVATED.

1 VAV Rooftop Unit
NTS

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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BID SET

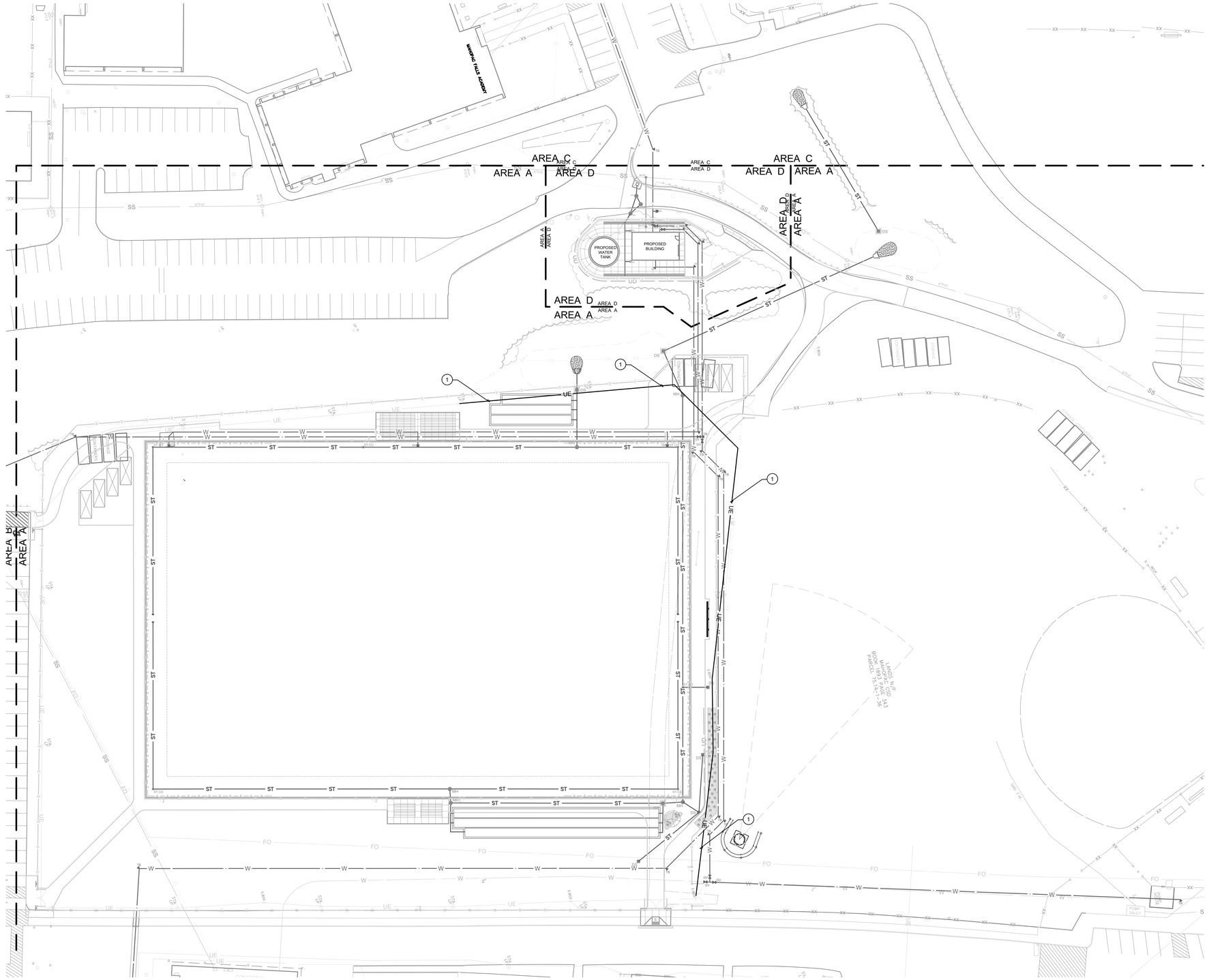
TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Controls

Drawn By:	Date:	Drawing Number:
DPM/jtk	8/21/20	AM701
Project No.: 121111-19002		



1 Electrical Site Demolition Plan
1" = 30'

0 10' 20' 40'
SCALE: 1" = 20'

Keyed Notes:

1. SECTION OF UNDERGROUND ELECTRIC TO BE RE-ROUTED. MIANTAIN EXISTING RACEWAY, CONDUCTOR SIZE.

S.E.D. Control No. 48-01-01-06-0-006-013
S.E.D. Control No. 48-01-01-06-7-026-001
S.E.D. Control No. 48-01-01-06-0-003-008
S.E.D. Control No. 48-01-01-06-0-004-020

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ARCHITECTS & ENGINEERS

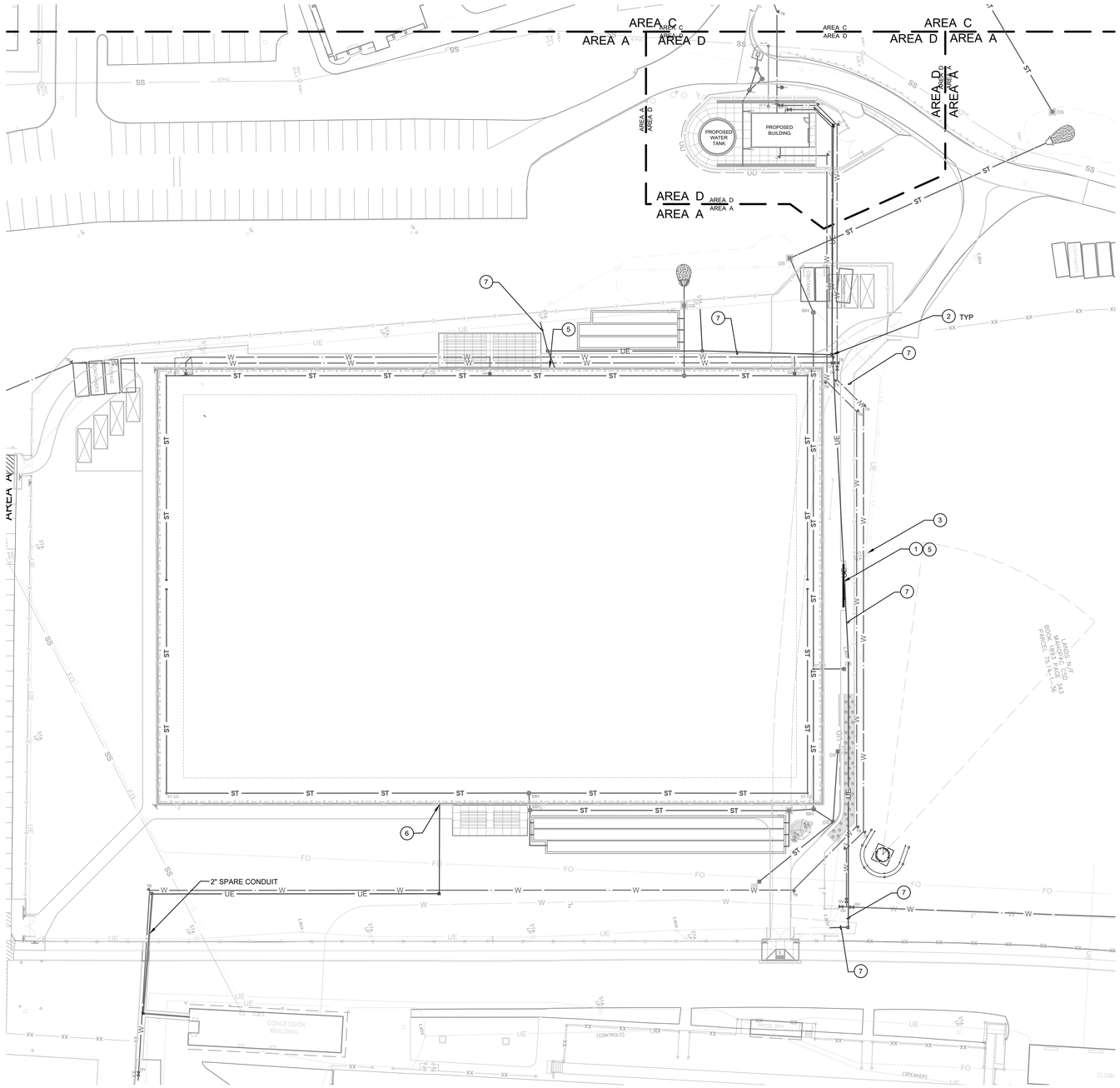
Mahopac Central School District
Mahopac, NY

Reconstruction to:
Mahopac High School

Electrical Site Demolition Plan

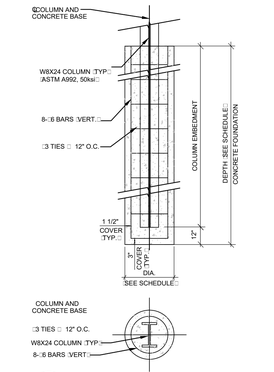
Drawn by:	Date:	Drawing No.:
SGV/km	08/21/20	AE001

T+ Project No.:
121111-19002

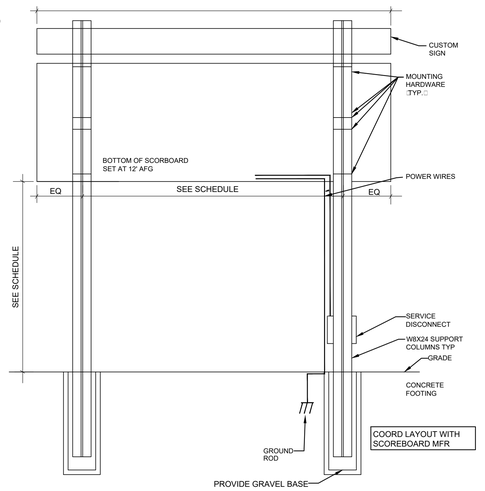


1 Electrical Site Demolition Plan
1" = 30'

0 10' 20' 40'
SCALE: 1" = 20'

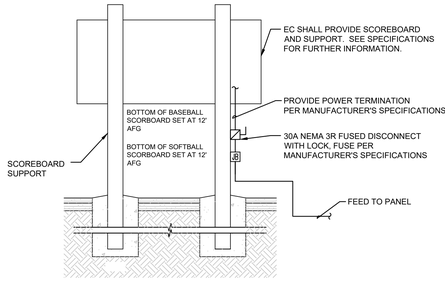


2 Scoreboard Support Detail
No Scale



3 Scoreboard Mounting Detail
No Scale

SCOREBOARD SCHEDULE						
LOCATION	FOOTING		COLUMN			NOTES
	DIA.	DEPTH	SIZE	HEIGHT ABOVE GRADE	SPACING	
FOOTBALL FIELD	3'-0"	11'-0"	W12X53	12'-0"	5'-0"	BOTTOM OF SCOREBOARD TO BE A MIN. OF 8'-0" ABOVE PLAYING FIELD



4 Scoreboard Installation Detail
No Scale

OVERALL LENGTH - COORDINATE WITH MANUFACTURER

Keyed Notes:

1. PROVIDE SCOREBOARD AND ASSOCIATED SUPPORT. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
2. PROVIDE A QUAZITE 17" x 17" x 30" DEEP SPLICE/PULL BOX WITH "ELECTRIC" COVER.
3. EXTEND CONDUIT INTO PUMP HOUSE IN PVC CONDUIT TO PUMP HOUSE PANEL.
4. MAINTAIN LIGHT POLE DURING WATERLINE CONSTRUCTION.
5. PROVIDE NEMA 3R ECEPTACLE IN WEATHERPROOF ENCLOSURE AND 20A1P BEAKER, CIRCUIT :2::8,:1::6G IN 1" CONDUIT CIRCUIT TO PANEL PH1 IN PUMP HOUSE. MOUNT 18" AFG, COORDIANTE ALL WORK WITH FENCE INSTALLATION.
6. PROVIDE NEMA 3R ECEPTACLE IN WEATHERPROOF ENCLOSURE AND 20A1P BEAKER, CIRCUIT :2::6,:1::6G IN 1" CONDUIT CIRCUIT TO PANEL PANEL IN CONCESSION STAND. MOUNT 18" AFG, COORDIANTE ALL WORK WITH FENCE INSTALLATION.
7. MAINTAIN EXISTING RACEWAY AND CONDUCTOR SIZE AND RELOCATE.

S.E.D. Control No. 48-01-01-06-0-006-013
S.E.D. Control No. 48-01-01-06-7-026-001
S.E.D. Control No. 48-01-01-06-0-003-008
S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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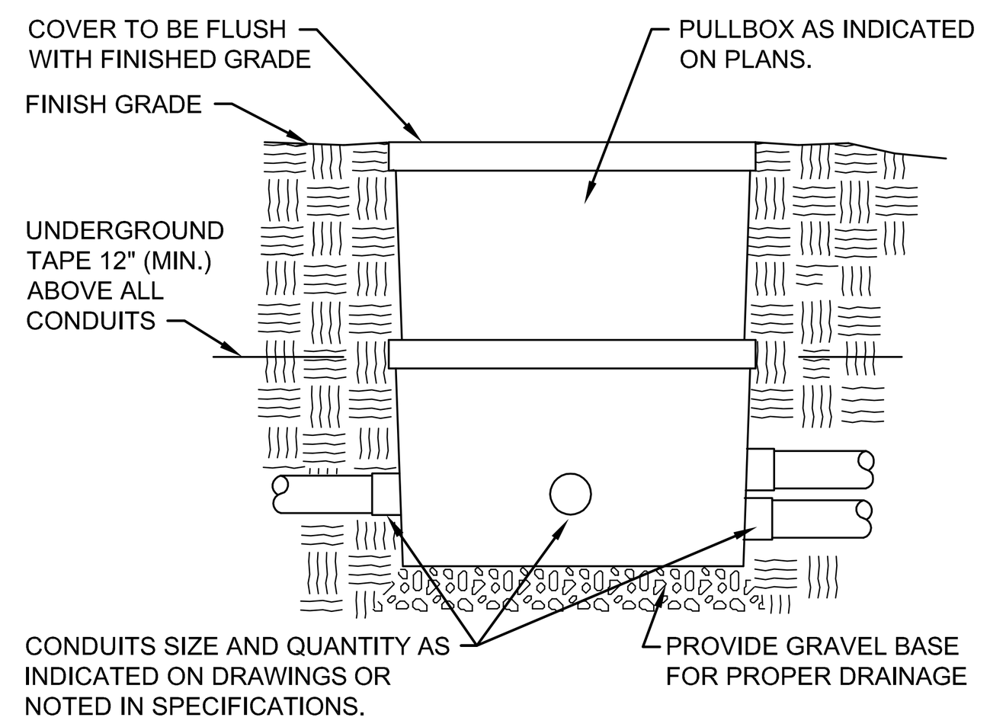
Mahopac Central School District
Mahopac, NY

Reconstruction to:
Mahopac High School

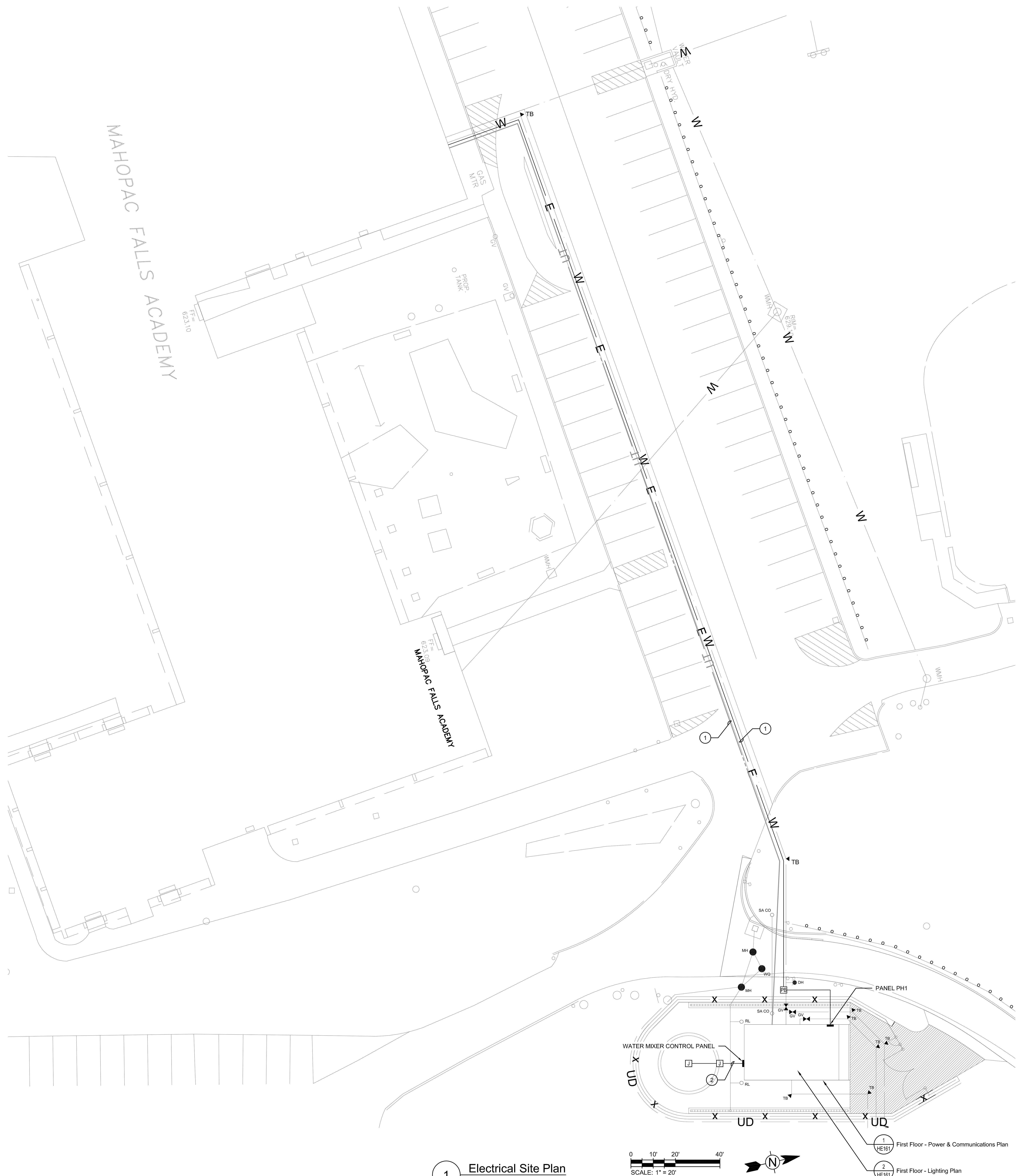
Electrical Site Plan - Site Lighting and Scoreboard

Drawn by:	Date:	Drawing No.:
CR	08/21/20	AE002

T+ Project No.: 121111-19002



(2) Typical Buried Pull Box Detail
N.T.S.



(1) Electrical Site Plan
3/4" = 1'- 0'

Keyed Notes:

1. PROVIDE (1) 3" SCHEDULE 80 PVC AND (2) 2" SCHEDULE 80 PVC CONDUITS FROM CUSTODIAL ROOM TO PUMP HOUSE PANEL PH1. PROVIDE (4) #4/0 WITH (1) #2 GROUND IN THE 3" CONDUIT FROM MDP IN MAIN ELECTRIC ROOM TO PANEL PH1. THE (2) 2" CONDUITS SHALL BE USED FOR COMMUNICATIONS CABLING. PROVIDE A 225A3P BREAKER IN MDP MATCHING THE AIC RATING OF MDP AND UL LISTED FOR PANEL. ALL CONDUITS ABOVE GRADE SHALL BE EMT.
2. PROVIDE REQUIRED POWER CONNECTIONS FROM WATER MIXER CONTROL PANEL TO BLOWER ON ROOF OF WATER STORAGE TANK.
3. PROVIDE 3/4" UINDERGROUND CONDUIT FOR FIRE ALARM CONNECTION TO PUMP HOUSE.

S.E.D. Control No. 48-01-01-06-0-006-013
S.E.D. Control No. 48-01-01-06-7-026-001
S.E.D. Control No. 48-01-01-06-0-003-008
S.E.D. Control No. 48-01-01-06-0-004-020

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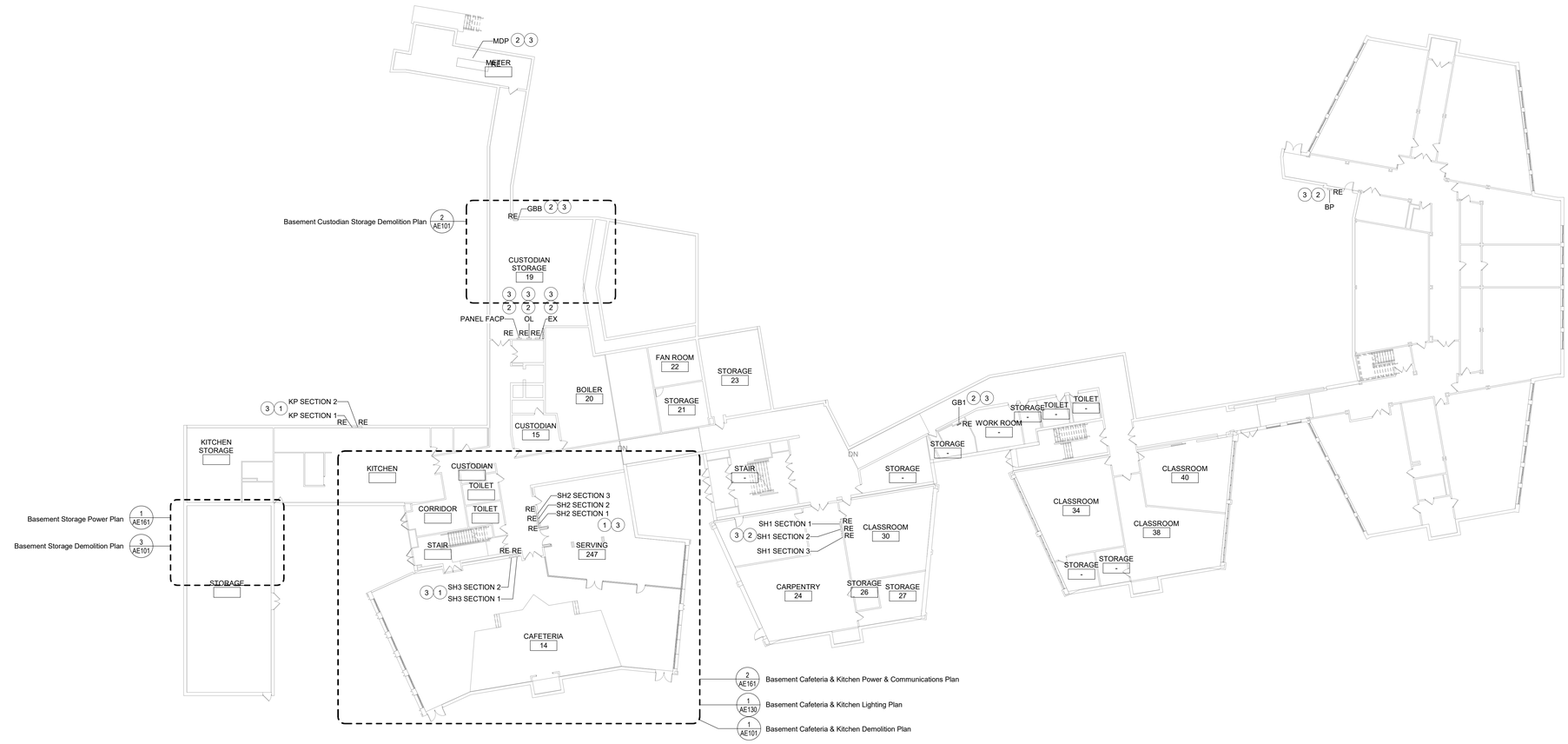
Mahopac Central School District
Mahopac, NY

Reconstruction to:
Mahopac High School

Electrical Site Plan

Drawn by:	Date:	Drawing No.:
CR	08/21/20	AE002

T+ Project No.: 121111-19002



1 Basement Key Plan - Areas B, C & D
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. REFER TO SPECIFICATIONS SECTION 26010 FOR DEMOLITION REQUIREMENTS.

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

F. 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.

G. AT ALL CORRIDORS WHERE NEW CEILINGS ARE BEING INSTALLED, DISCONNECT AND REMOVE DEVICES AS INDICATED, TAG EXISTING WIRING FOR REUSE.

Keyed Notes

1. REPLACE EXISTING RECESSED PANELS AT LOCATIONS SHOWN. REMOVE ENTIRE PANEL INCLUDING BACKBOX. SAW CUT EXISTING WALL TO ACCOMMODATE PANEL WITH BREAKER REQUIREMENTS AS SHOWN. PROVIDE CUSTOM PANEL COVER EXISTING OPENING.
2. REPLACE EXISTING SURFACE PANELS AT LOCATIONS SHOWN. REMOVE ENTIRE PANEL INCLUDING BACKBOX, AND INSTALL REPLACEMENT PANEL WITH BREAKER REQUIREMENTS AS SHOWN.
3. CONTRACTOR TO TRACE OUT ALL EXISTING BRANCH CIRCUITS IN PANEL TO PROVIDE A DETAILED, ACCURATE, TYPE WRITTEN DIRECTORY WITH CORRECT ROOM NAMES AND NUMBERS.

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 SA 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 REQUIRED.

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

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

G. INSTALL CHAIN-HUNG LIGHT FIXTURES AFTER ALL MECHANICAL AND PLUMBING EQUIPMENT, PIPING AND DUCTWORK HAVE BEEN INSTALLED.

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.

J. 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..... 16"
4. WALL (W) TELEPHONE AND/OR 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)

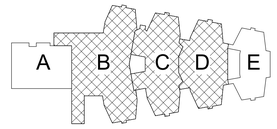
THE HEIGHTS INDICATED SHALL BE NOMINAL TO THE BOTTOM OF THE BOX UNLESS NOTED OTHERWISE. MAINTAIN HEIGHT CONSISTENCY BETWEEN NEW AND EXISTING DEVICES.

K. COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES.

L. PROVIDE ALL POWER DISTRIBUTION WORK INCLUDING PANELS, FEEDERS AND BRANCH CIRCUIT WIRING. UPDATE PANEL DIRECTORIES ACCORDINGLY.

M. 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.

N. CIRCUIT ALL EXITS AND EMERGENCY LIGHTING TO THE UN-SWITCHED HOT LEG OF LIGHTING CIRCUIT SERVING THE AREA OF EM AND EXIT LIGHT.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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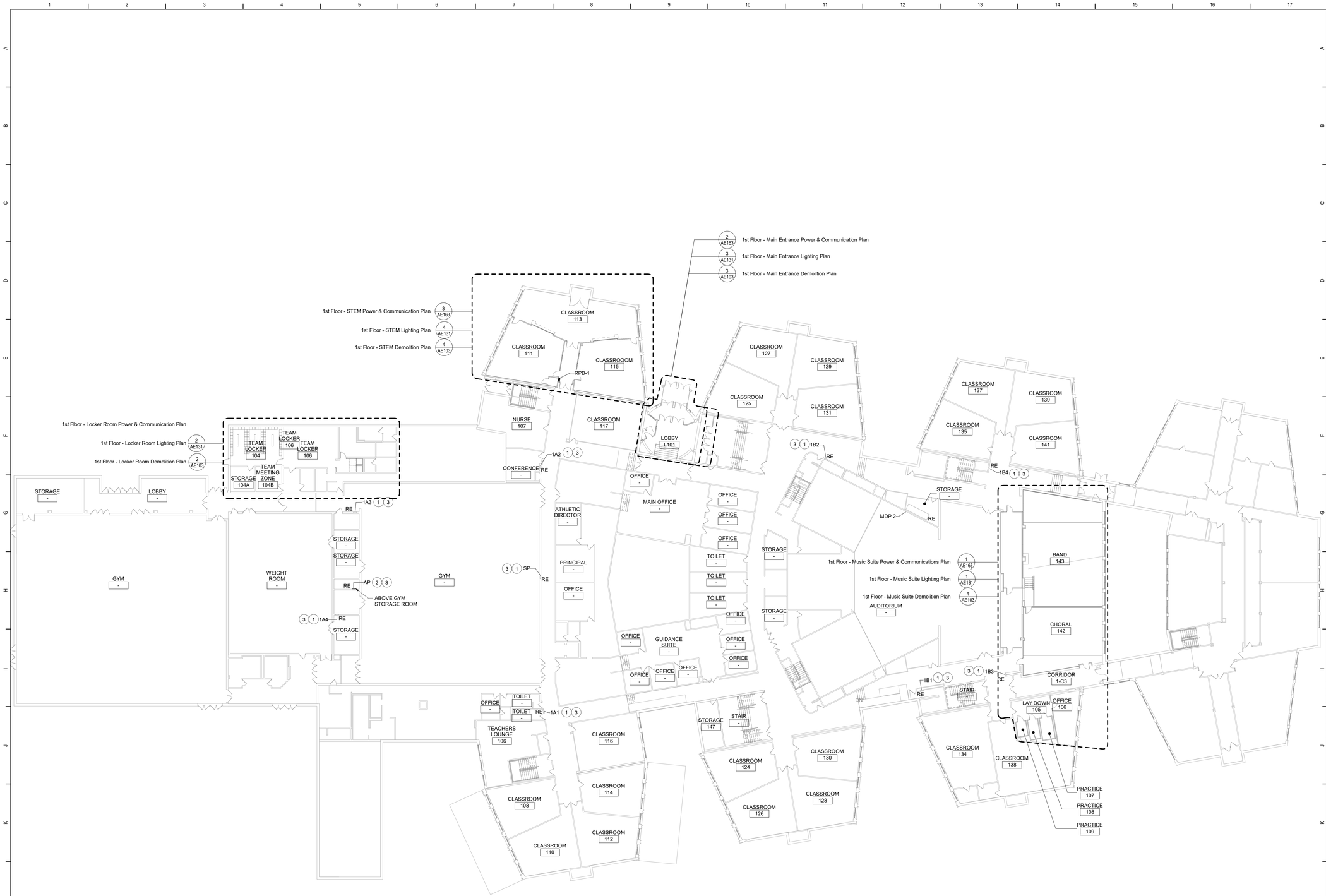
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Basement Key Plan

Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE050

Project No.: 121111-19002



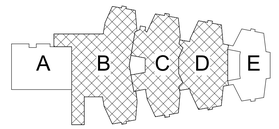
1 First Floor Key Plan - Areas B, C & D
1" = 20'-0"

Keyed Notes

1. REPLACE EXISTING RECESSED PANELS AT LOCATIONS SHOWN. REMOVE ENTIRE PANEL INCLUDING BACKBOX. SAW CUT EXISTING WALL TO ACCOMMODATE PANEL WITH BREAKER REQUIREMENTS AS SHOWN. PROVIDE CUSTOM PANEL COVER EXISTING OPENING.
2. REPLACE EXISTING SURFACE PANELS AT LOCATIONS SHOWN. REMOVE ENTIRE PANEL INCLUDING BACKBOX, AND INSTALL REPLACEMENT PANEL WITH BREAKER REQUIREMENTS AS SHOWN.
3. CONTRACTOR TO TRACE OUT ALL EXISTING BRANCH CIRCUITS IN PANEL TO PROVIDE A DETAILED, ACCURATE, TYPE WRITTEN DIRECTORY WITH CORRECT ROOM NAMES AND NUMBERS.

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.



Key Plan
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S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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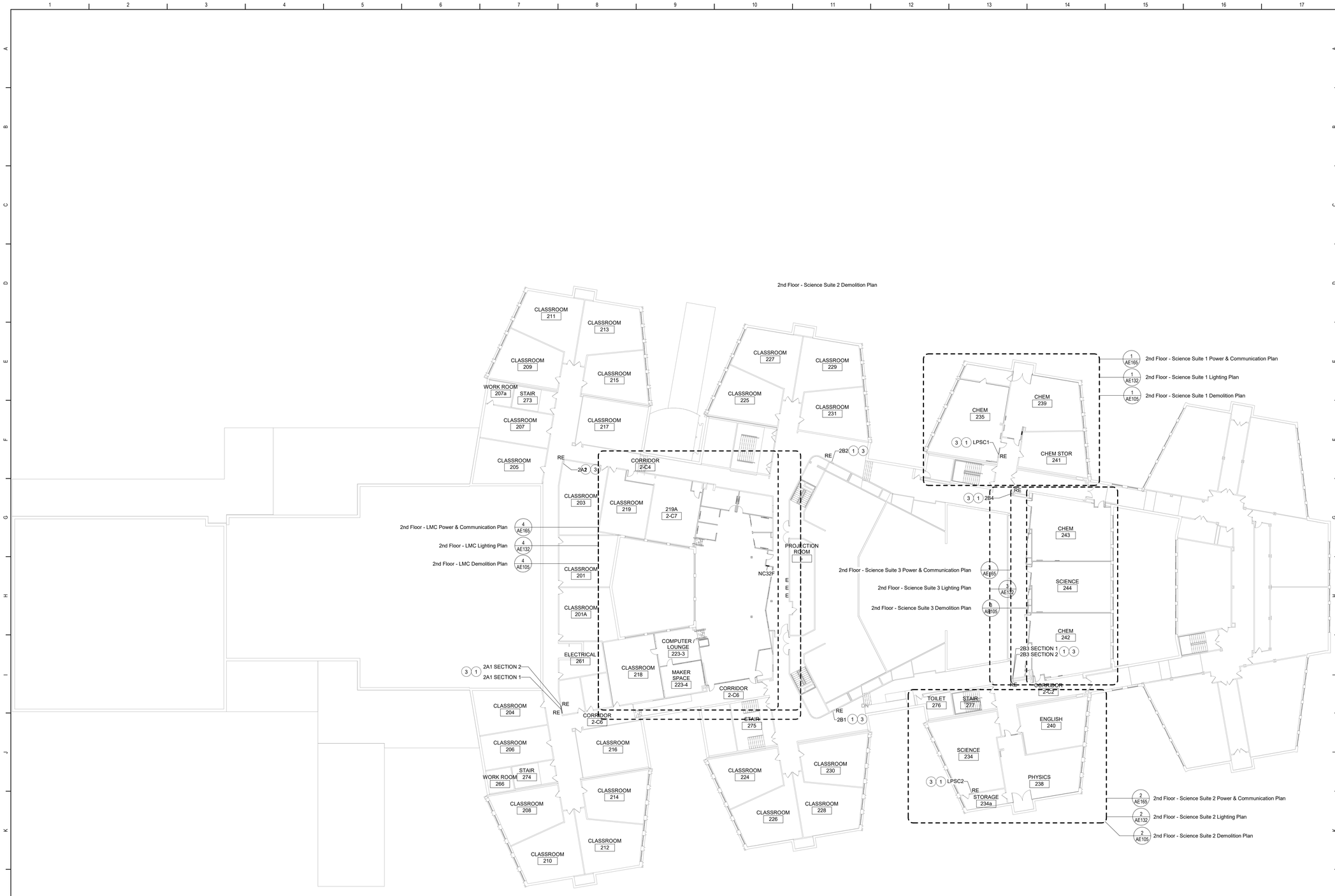
Mahopac, NY

Reconstruction To:
Mahopac High School

First Floor Key Plan

Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE051

Project No.: 121111-19002



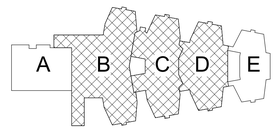
1 Second Floor Key Plan - Areas B, C & D
1" = 20'-0"

Keyed Notes

1. REPLACE EXISTING RECESSED PANELS AT LOCATIONS SHOWN. REMOVE ENTIRE PANEL INCLUDING BACKBOX. SAW CUT EXISTING WALL TO ACCOMMODATE PANEL WITH BREAKER REQUIREMENTS AS SHOWN. PROVIDE CUSTOM PANEL COVER EXISTING OPENING.
2. REPLACE EXISTING SURFACE PANELS AT LOCATIONS SHOWN. REMOVE ENTIRE PANEL INCLUDING BACKBOX, AND INSTALL REPLACEMENT PANEL WITH BREAKER REQUIREMENTS AS SHOWN.
3. CONTRACTOR TO TRACE OUT ALL EXISTING BRANCH CIRCUITS IN PANEL TO PROVIDE A DETAILED, ACCURATE, TYPE WRITTEN DIRECTORY WITH CORRECT ROOM NAMES AND NUMBERS.

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.



Key Plan
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Mahopac, NY

Reconstruction To:
Mahopac High School

Second Floor Key Plan

Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE052

Project No.: 121111-19002

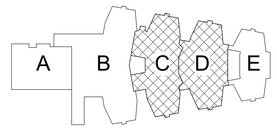
1 Basement HVAC Power Demolition Plan - Areas C and D
1" = 20'-0"

Keyed Notes

1. DISCONNECT POWER CIRCUITRY, MOTOR STARTERS AND VFD'S SERVING HVAC EQUIPMENT INDICATED. TAG CIRCUITRY FOR RE-USE.

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.



Key Plan
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S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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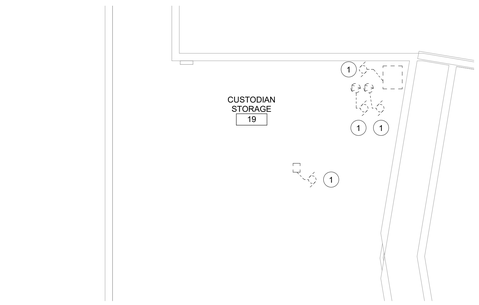
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

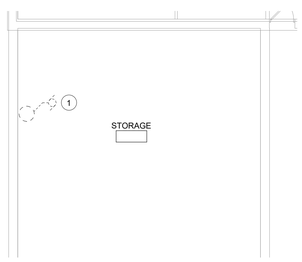
Basement HVAC Power Demolition Plan

Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE100

Project No.: 121111-19002



2 Basement Custodian Storage Demolition Plan - Area B
1/8" = 1'-0"



3 Basement Storage Demolition Plan - Area B
1/8" = 1'-0"

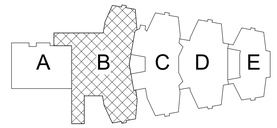
1 Basement Cafeteria & Kitchen Demolition Plan - Area B
1/8" = 1'-0"

Keyed Notes

1. DISCONNECT AND REMOVE POWER CIRCUITRY FROM EQUIPMENT SHOWN COMPLETE BACK TO SOURCE. LABEL UNUSED CIRCUIT BREAKERS AS "SPARE".
2. DISCONNECT AND REMOVE ELECTRICAL DEVICES SHOWN. REMOVE EXISTING CIRCUITRY BACK TO NEAREST JUNCTION BOX, FIXTURE OR SWITCH OUTSIDE OF DEMOLITION AREA. MODIFY EXISTING SYSTEM CIRCUITRY TO ALLOW FOR PROPER OPERATION OF REMAINING DEVICES ON CIRCUIT.

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.



Key Plan
N.T.S.

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S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Partial Basement Demolition Plans

Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE101

Project No.:
121111-19002

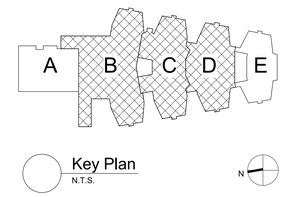
1 First Floor HVAC Power Demolition Plan - Area B, C and D
1" = 20'-0"

Keyed Notes

1. DISCONNECT POWER CIRCUITRY, MOTOR STARTERS AND VFD'S SERVING HVAC EQUIPMENT INDICATED. TAG CIRCUITRY FOR RE-USE.

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

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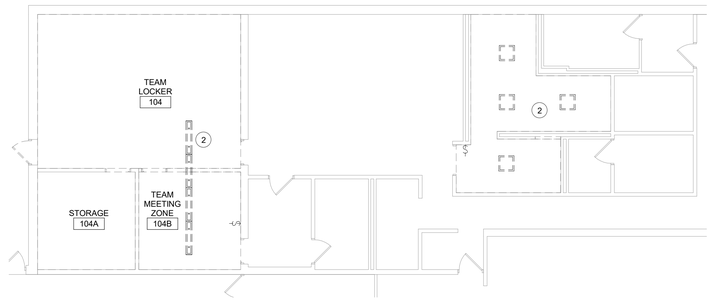
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

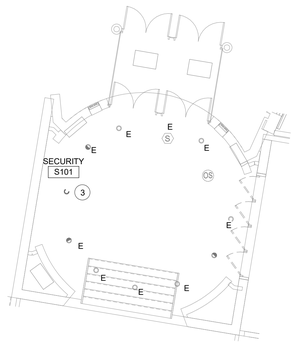
First Floor HVAC Power Demolition Plan

Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE102

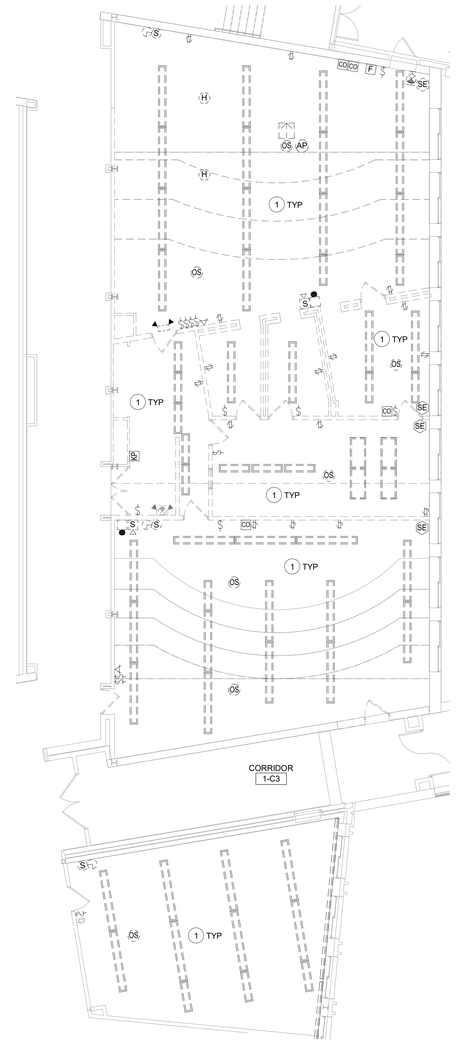
Project No.: 121111-19002



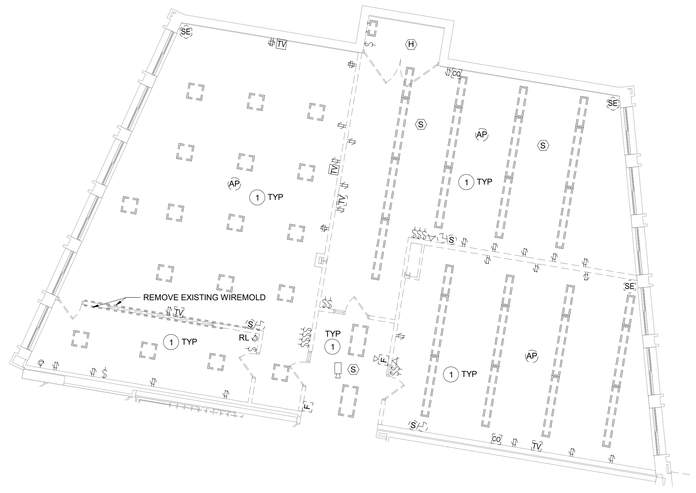
2 1st Floor - Locker Room Demolition Plan - Area B
1/8" = 1'-0"



3 1st Floor - Main Entrance Demolition Plan - Area C
1/8" = 1'-0"



1 1st Floor Music Suite Demolition Plan - Area D
1/8" = 1'-0"



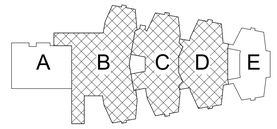
4 1st Floor - STEM Demolition Plan - Area B
1/8" = 1'-0"

Keyed Notes

1. DISCONNECT AND REMOVE ELECTRICAL DEVICES SHOWN. REMOVE EXISTING CIRCUITRY BACK TO NEAREST JUNCTION BOX, FIXTURE OR SWITCH OUTSIDE OF DEMOLITION AREA. MODIFY EXISTING SYSTEM CIRCUITRY TO ALLOW FOR PROPER OPERATION OF REMAINING DEVICES ON CIRCUIT.
2. REMOVE LUMINARES AND SWITCH. DISCONNECT POWER CIRCUITRY AND TAG CIRCUITRY FOR RE-USE.
3. REMOVE LUMINARE MAINTAIN CIRCUITRY FOR RE-USE.

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.



Key Plan
N.T.S.

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S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Partial First Floor Demolition Plans

Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE103

Project No.: 121111-19002

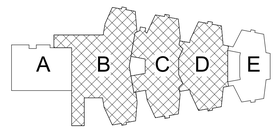
1 Second Floor HVAC Power Demolition Plan - Areas B, C and D
1" = 20'-0"

Keyed Notes

1. DISCONNECT POWER CIRCUITRY, MOTOR STARTERS AND VFD'S SERVING HVAC EQUIPMENT INDICATED. TAG CIRCUITRY FOR RE-USE.

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.



Key Plan
N.T.S.

N

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Second Floor HVAC Power Demolition Plan

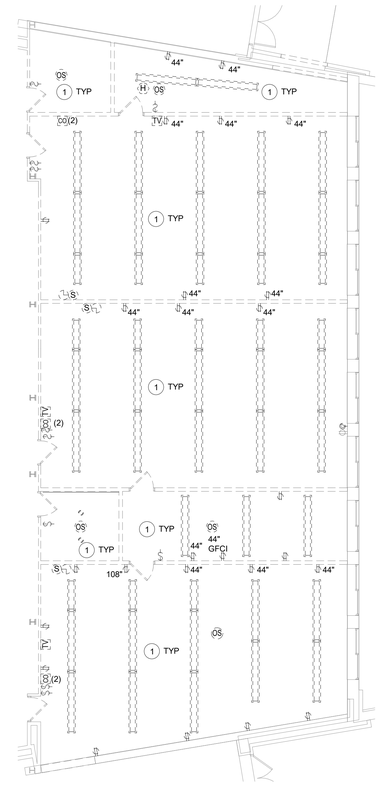
Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE104

Project No.:
121111-19002

2 2nd Floor - Science Suite 2 Demolition Plan - Area D
1/8" = 1'-0"

1 2nd Floor - Science Suite 1 Demolition Plan - Area D
1/8" = 1'-0"

4 2nd Floor - LMC Demolition Plan - Area C
1/8" = 1'-0"



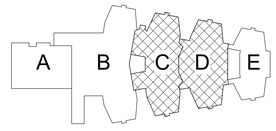
3 2nd Floor - Science Suite 3 Demolition Plan - Area D
1/8" = 1'-0"

Keyed Notes

1. DISCONNECT AND REMOVE ELECTRICAL DEVICES SHOWN. REMOVE EXISTING CIRCUITRY BACK TO NEAREST JUNCTION BOX, FIXTURE OR SWITCH OUTSIDE OF DEMOLITION AREA. MODIFY EXISTING SYSTEM CIRCUITRY TO ALLOW FOR PROPER OPERATION OF REMAINING DEVICES ON CIRCUIT.
2. DISCONNECT AND REMOVE EXISTING PANEL. TAG ALL EXSITING BRANCH CIRCUIT WIRING AND EXISTING FEEDER WIRING FOR REUSE. SEE AE162 FOR MORE INFORMATION.
3. DISCONNECT AND REMOVE FEED TO EXISTING FUME HOOD.
4. DISCONNSCT AND REMOVE CEILING DEVICES FOR CEILING REPLACEMENT. STORE DEVICES AND RETAIN CIRCUITRY FOR RE-USE.

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Partial Second Floor Demolition Plans

Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE105

Project No.:
121111-19002

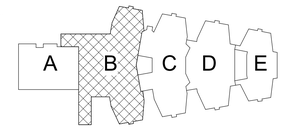
1 Basement Cafeteria & Kitchen Lighting Plan - Area B
1/8" = 1'-0"

Keyed Notes

1. PROVIDE 20A1P BREAKER AND (2)#12, (1) #12G IN 3/4" CONDUIT, CONNECT TO PANEL AS INDICATED.

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.
B. CONNECT ALL LUMINAIRES AND GENERAL RECEPTACLES WITH (2)#12, #12G IN 1/2" C TO PANEL AS INDICATED.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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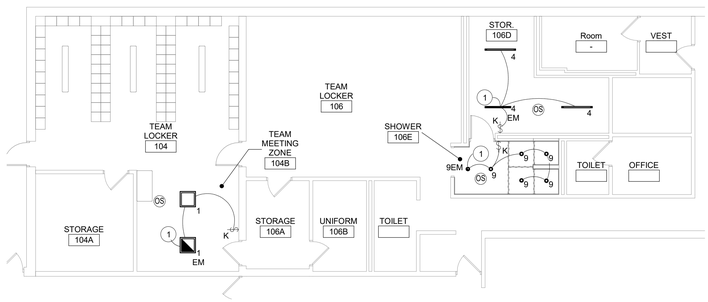
Mahopac Central School District
Mahopac, NY

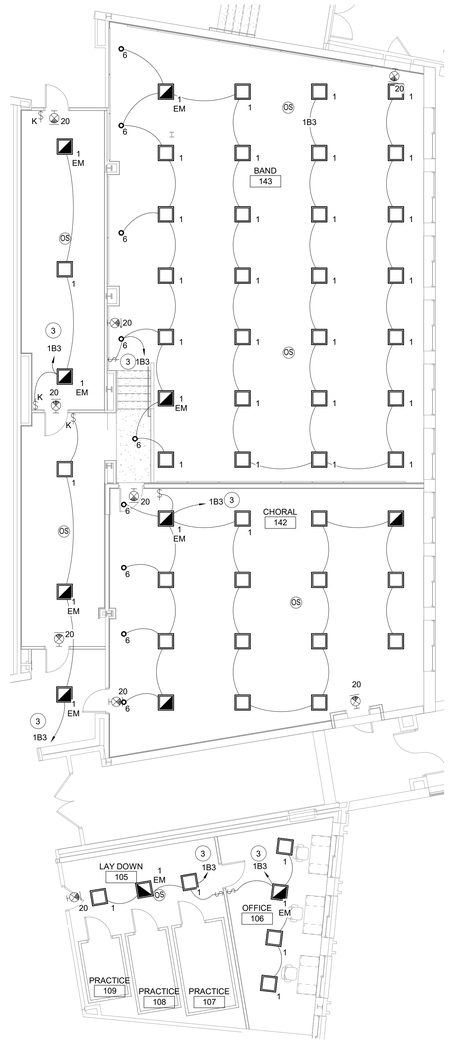
Reconstruction To:
Mahopac High School

Basement Lighting Plan

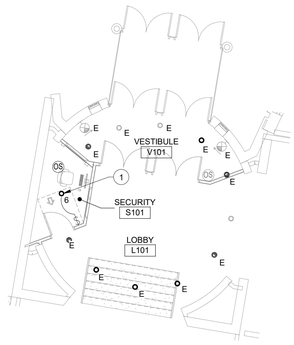
Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE130
Project No.: 121111-19002		



2 1st Floor - Locker Room Lighting Plan - Area B
1/8" = 1'-0"



1 1st Floor Music Suite Lighting Plan - Area D
1/8" = 1'-0"



3 1st Floor - Main Entrance Lighting Plan - Area C
1/8" = 1'-0"

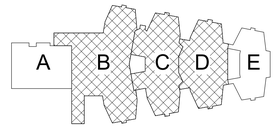
4 1st Floor - STEM Lighting Plan - Area B
1/8" = 1'-0"

Keyed Notes

1. CONNECT LUMINAIRE TO EXISTING LIGHTING CIRCUIT SERVING THE AREA. LIGHTING CONTROL BY OCCUPANCY SENSOR TO TURN LIGHTS ON AND OFF.
2. MOUNT LUMINAIRE 8'-0" AFF FROM BOTTOM OF LUMINAIRE.
3. PROVIDE 20A1P BREAKER AND (2)#12, (1) #12G IN 3/4" CONDUIT, CONNECT TO PANEL AS INDICATED.

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.
B. CONNECT ALL LUMINAIRES AND GENERAL RECEPTACLES WITH (2)#12, #12G IN 1/2" C TO PANEL AS INDICATED.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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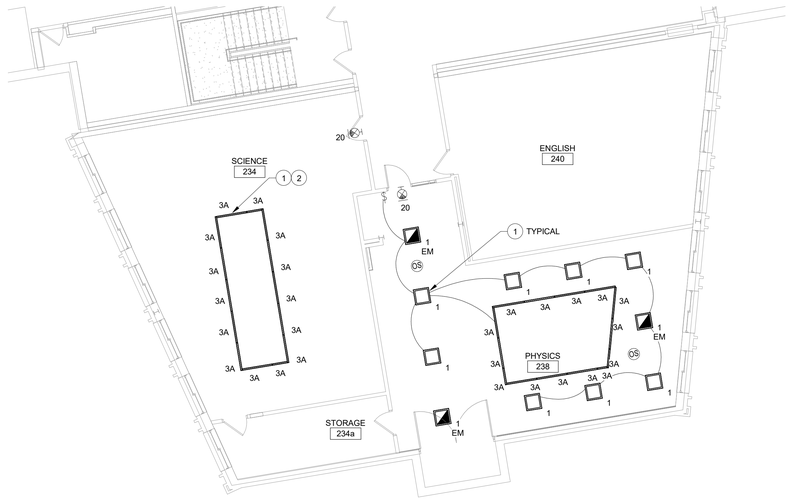
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

First Floor Lighting Plan

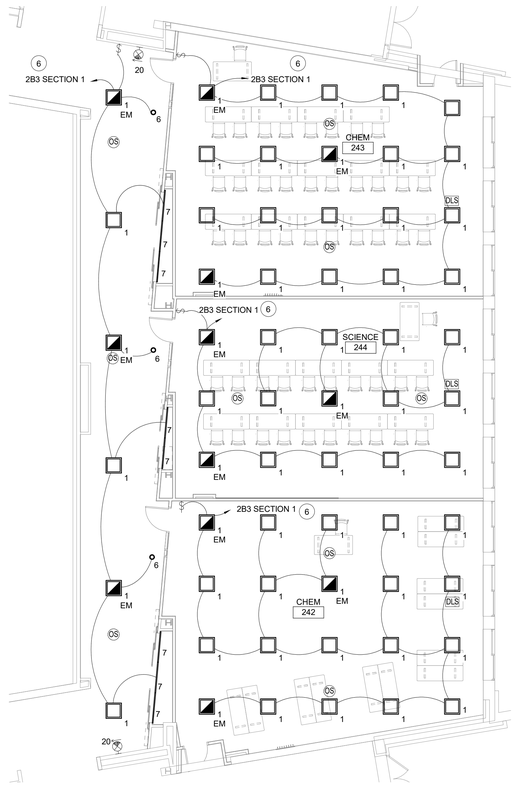
Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE131
Project No.: 121111-19002		



2 2nd Floor - Science Suite 2 Lighting Plan - Area D
1/8" = 1'-0"

1 2nd Floor - Science Suite 1 Lighting Plan - Area D
1/8" = 1'-0"

4 2nd Floor - LMC Lighting Plan - Area C
1/8" = 1'-0"



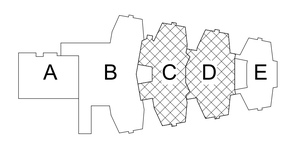
3 2nd Floor - Science Suite 3 Lighting Plan - Area D
1/8" = 1'-0"

Keyed Notes

1. PROVIDE (2)#12, (1)#12G, IN 1/2" CONDUIT AND CONNECT LUMINAIRES TO EXISTING LIGHTING CIRCUIT SERVING THE AREA.
2. CONNECT LUMINAIRES TO EXISTING LIGHTING SWITCH SERVING THE AREA.
3. MOUNT LUMINAIRES 10'-0" AFF FROM BOTTOM OF LUMINAIRE IN LIBARARY MEDIA CENTER.
4. MOUNT LUMINAIRES 9'-0" AFF FROM BOTTOM OF LUMINAIRE IN COMPUTER/LOUNGE.
5. MOUNT TYPE 10 LUMINAIRES 7'-8" AFF FROM BOTTOM OF LUMINAIRE IN LIBRARY MEDIA CENTER. REFER TO PANEL SCHEDULE FOR CIRCUIT INFORMATION. CONNECT ALL TO SAME CONTROL AS SHOWN.
6. PROVIDE 20A1P BREAKER AND (2)#12, (1) #12G IN 3/4" CONDUIT, CONNECT TO PANEL AS INDICATED.

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.
B. CONNECT ALL LUMINAIRES AND GENERAL RECEPTACLES WITH (2)#12, #12G IN 1/2" C TO PANEL AS INDICATED.



Key Plan
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S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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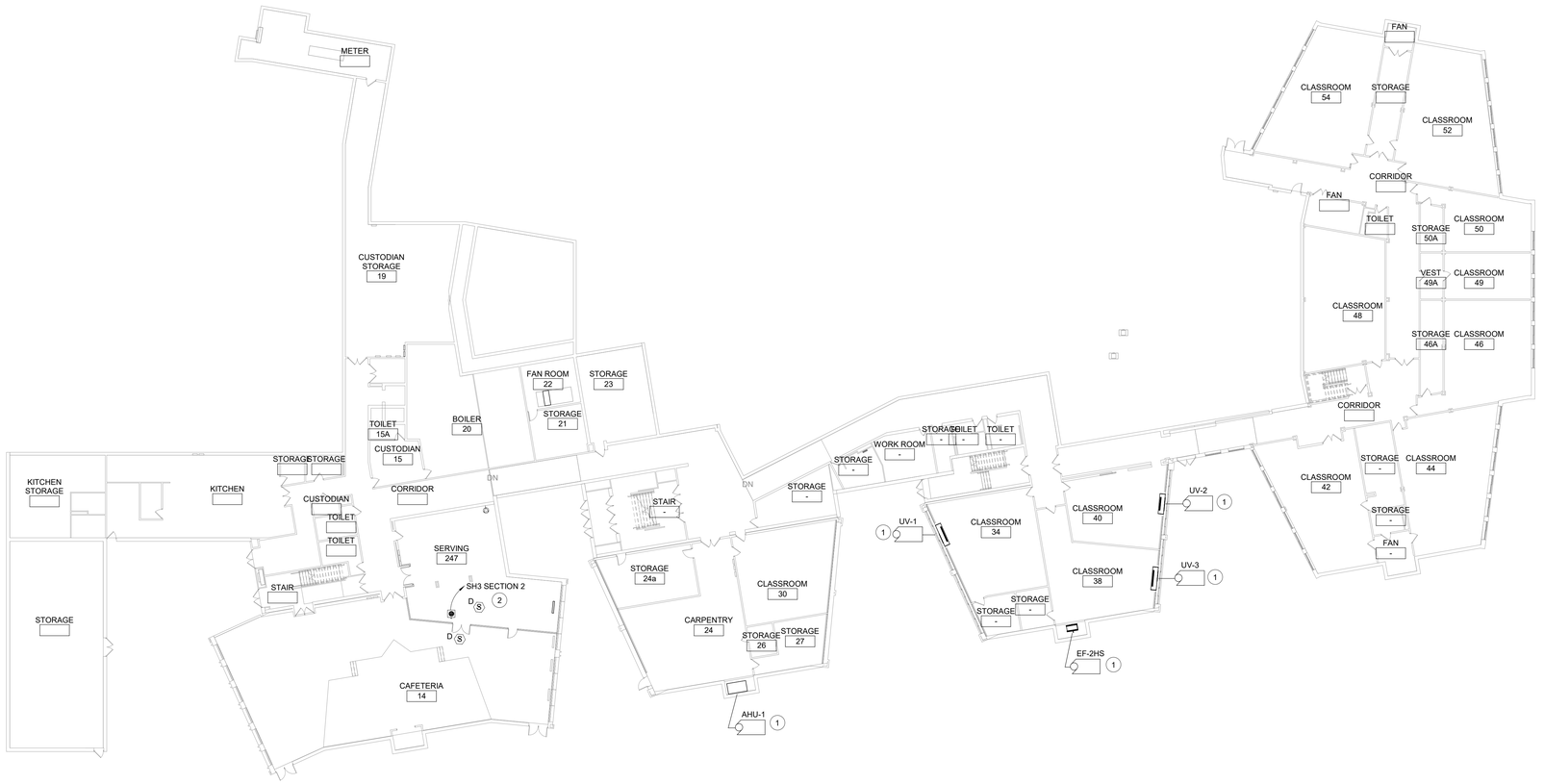
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Second Floor Lighting Plan

Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE132

Project No.: 121111-19002



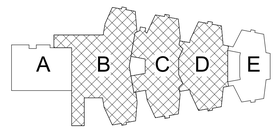
1 Basement HVAC Power Plan - Areas B, C and D
1" = 20'-0"

Keyed Notes

1. RE-CONNECT POWER CIRCUITRY PREVIOUSLY SERVING HVAC EQUIPMENT INDICATED. EXTEND/MODIFY CIRCUITRY AS REQUIRED.
2. PROVIDE ELECTRICAL CONNECTION WITH (2) #12, (1)#12G, IN 1/2" C FOR FIRE DAMPER AND (2) DUCT SMOKE DETECTORS ON SUPPLY AND RETURN OF DUCT WORK.

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.



Key Plan
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S.E.D. Control No. 48-01-01-06-0-004-020

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Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Basement HVAC Power Plan

Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE160
Project No.: 121111-19002		

KITCHEN EQUIPMENT SCHEDULE

ITEM ⬡	DESCRIPTION	LOAD (WATTS)	VOLTS /PHASE	PANEL	WIRE & CONDUIT *	CONN .TYPE **	CONN LOC. **	CONN HGT. **	REMARKS
2	REACH-IN REFRIGERATOR	6.9A	120V1PH	SH2 SECTION 2	(2)#12, (1)#12 G., 1/2" C.	DR	WALL	80"	1, 6
3	HEATED CABINET	17.5A	120V1PH	SH2 SECTION 2	(2)#10, (1)#10 G., 3/4" C.	DR	WALL	12"	2, 7
6	PIZZA PREP UNIT	6.7A	120V1PH	SH2 SECTION 2	(2)#12, (1)#12 G., 1/2" C.	DR	WALL	12"	1, 6
7	PIZZA OVEN	40A	208V3PH	SH2 SECTION 2	(3)#6 (1)#6 G., 1" C.	SR	WALL	36"	3, 9
11	PIZZA COUNTER	5.4A	120V1PH	SH2 SECTION 2	(2)#12, (1)#12 G., 1/2" C.	DR	FLOOR	--	1, 5, 6
13	SALAD COUNTER	6.3A	120V1PH	SH2 SECTION 2	(2)#12, (1)#12 G., 1/2" C.	DR	FLOOR	--	1, 5, 6
15	COLD FOOD COUNTER	6.3A	120V1PH	SH2 SECTION 2	(2)#12, (1)#12 G., 1/2" C.	DR	FLOOR	--	1, 5, 6
16	HOT FOOD COUNTER	24A	208V1PH	SH2 SECTION 2	(2)#10, (1)#10 G., 3/4" C.	SR	FLOOR	--	4, 5, 8
18	GRAB-N-GO REFRIGERATOR	12A	120V1PH	SH2 SECTION 2	(2)#12, (1)#12 G., 1/2" C.	DR	WALL	12"	1, 6
20	ICE CREAM FREEZER	3.5A	120V1PH	SH2 SECTION 2	(2)#12, (1)#12 G., 1/2" C.	DR	FLOOR	--	1, 5, 6
24	OPEN AIR MILK COOLER	12A	120V1PH	SH2 SECTION 2	(2)#12, (1)#12 G., 1/2" C.	DR	FLOOR	--	1, 5, 6
25	WORKTOP REFRIGERATOR	2.46A	120V1PH	SH2 SECTION 2	(2)#12, (1)#12 G., 1/2" C.	DR	WALL	12"	1, 6
27	PANINI GRILL	15A	120V1PH	SH2 SECTION 2	(2)#12, (1)#12 G., 1/2" C.	DR	WALL	48"	1, 6
28	VENTILATION UNIT	5.5A	120V1PH	SH2 SECTION 2	(2)#12, (1)#12 G., 1/2" C.	DR	WALL	48"	1, 6
30	SANDWICH UNIT	4.5A	120V1PH	SH2 SECTION 2	(2)#12, (1)#12 G., 1/2" C.	DR	FLOOR	--	1, 5, 6

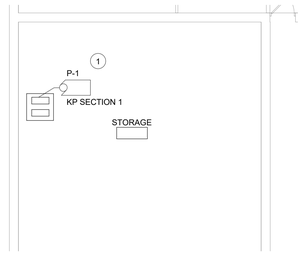
CONNECTOR TYPE
SR - SINGLE OUTLET
DR - DOUBLE OUTLET

NOTES
* CONTRACTOR SHALL PROVIDE A NEUTRAL TO EVERY CONNECTION
** CONNECTION TO BE COORDINATED WITH SUBMITTED AND APPROVED EQUIPMENT

REMARKS
1. RECEPTACLE TO BE A NEMA 5-15P
2. RECEPTACLE TO BE A NEMA 5-20P
3. RECEPTACLE TO BE A NEMA 15-50P
4. RECEPTACLE TO BE A NEMA 6-50P
5. PROVIDE HUBBELL SA-6685 PEDESTAL TYPE BOX.
6. PROVIDE 20A1P BREAKER IN AVAILABLE SPACE IN PANEL INDICATED.
7. PROVIDE 30A1P BREAKER IN AVAILABLE SPACE IN PANEL INDICATED.
8. PROVIDE 30A2P BREAKER IN AVAILABLE SPACE IN PANEL INDICATED.
9. PROVIDE 50A3P BREAKER IN AVAILABLE SPACE IN PANEL INDICATED.

GENERAL NOTE:
ALL CIRCUITS SUPPLYING RECEPTACLES SHALL BE GROUND FAULT PROTECTED.

2 Basement Cafeteria & Kitchen Power & Communications Plan - Area B
1/8" = 1'-0"



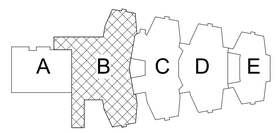
1 Basement Storage Power & Communications Plan - Area B
1/8" = 1'-0"

Keyed Notes

1. PROVIDE 40A3P BREAKER IN AVAILABLE SPACE IN PANEL INDICATED. CONNECT USING (3)#8, (1)#10G. IN 3/4" CONDUIT. NEW BREAKER TO BE UL LISTED FOR USE IN PANEL AND MEET OR EXCEED AIC RATING OF EXISTING PANEL. AMEND PANEL DIRECTORY ACCORDINGLY.
2. RE-CONNECT POWER CIRCUITRY PREVIOUSLY SERVING HVAC EQUIPMENT INDICATED. EXTEND/MODIFY CIRCUITRY AS REQUIRED.
3. PROVIDE 20A1P BREAKER IN AVAILABLE SPACE IN PANEL INDICATED. CONNECT USING (2)#12, (1)#12 G. IN 1/2" CONDUIT. NEW BREAKER TO BE UL LISTED FOR USE IN PANEL AND MEET OR EXCEED AID RATING OF EXISTING PANEL. AMEND PANEL DIRECTORY ACCORDINGLY.

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.
B. CONNECT ALL LUMINAIRES AND GENERAL RECEPTACLES WITH (2)#12, #12G IN 1/2" C TO PANEL AS INDICATED.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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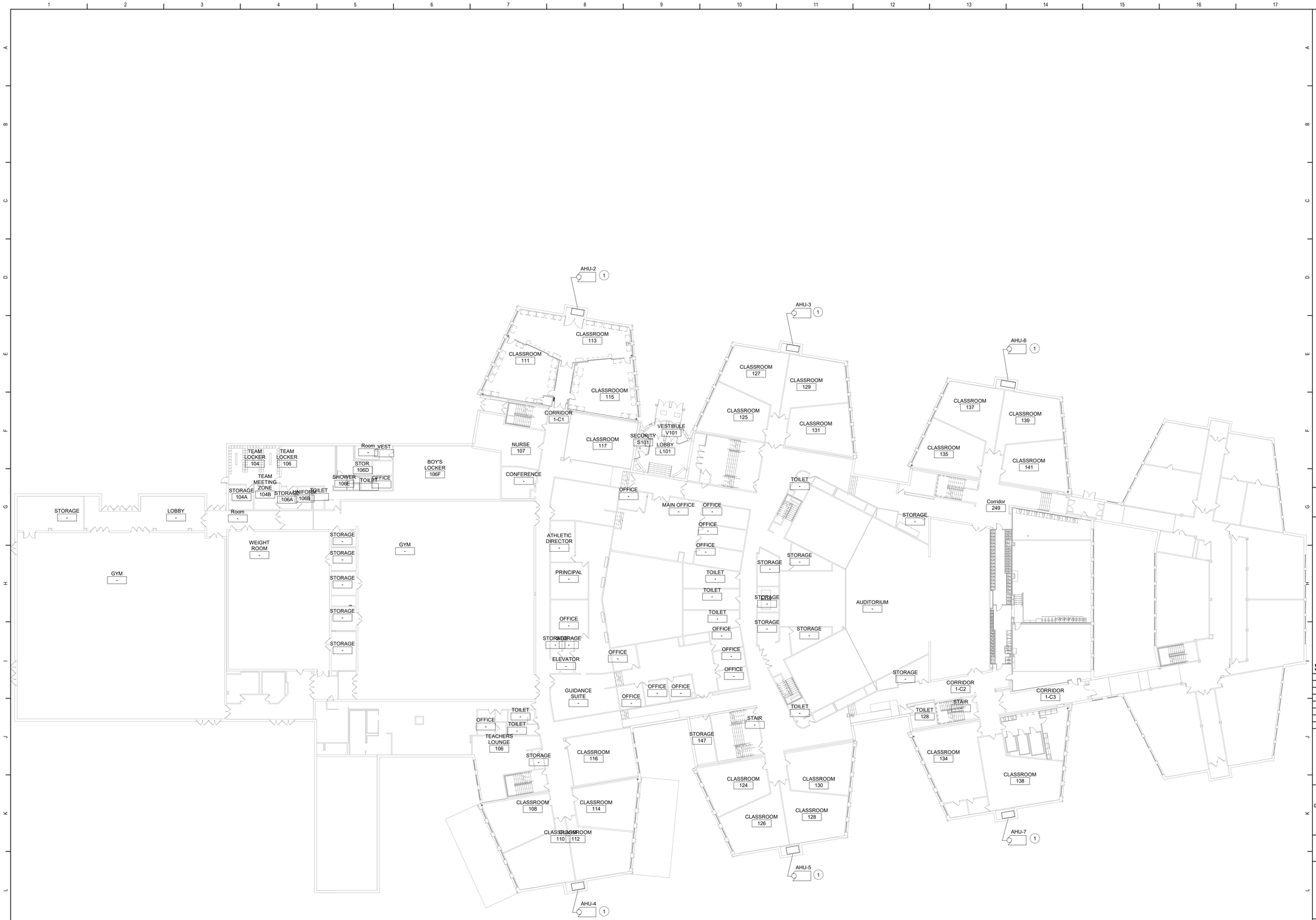
TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Partial Basement Power & Communications Plans

Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE161
Project No.: 121111-19002		



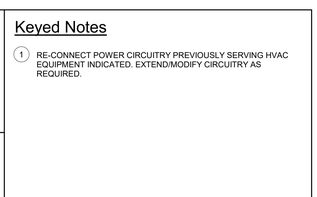
1 First Floor HVAC Power Plan - Areas B, C and D
1" = 20'-0"

Keyed Notes

1. RE-CONNECT POWER CIRCUITRY PREVIOUSLY SERVING HVAC EQUIPMENT INDICATED. EXTEND/MODIFY CIRCUITRY AS REQUIRED.

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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ARCHITECTS & ENGINEERS

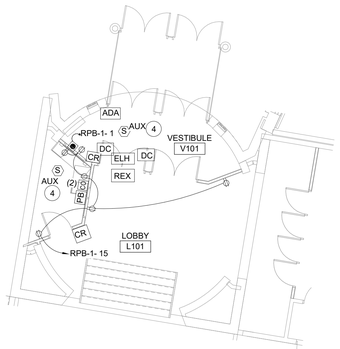
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

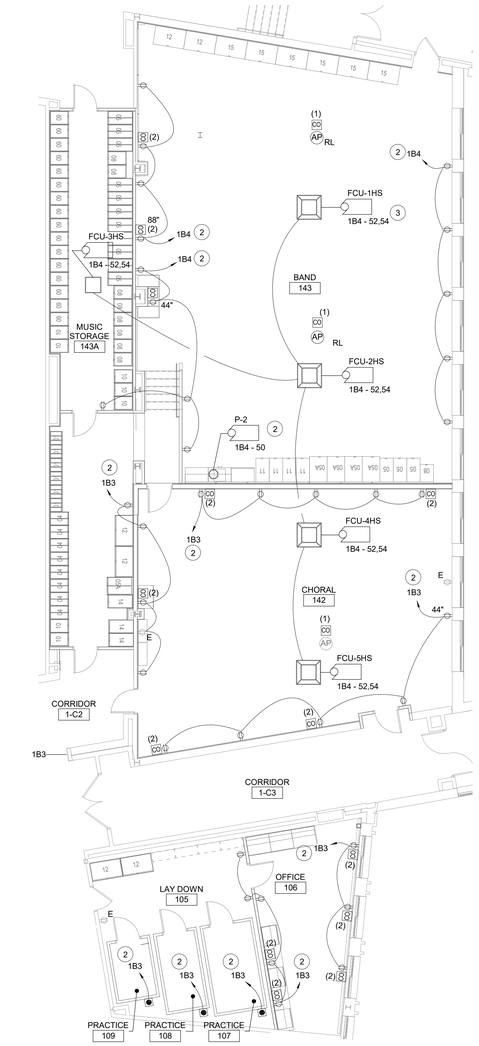
First Floor HVAC Power Plan

Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE162

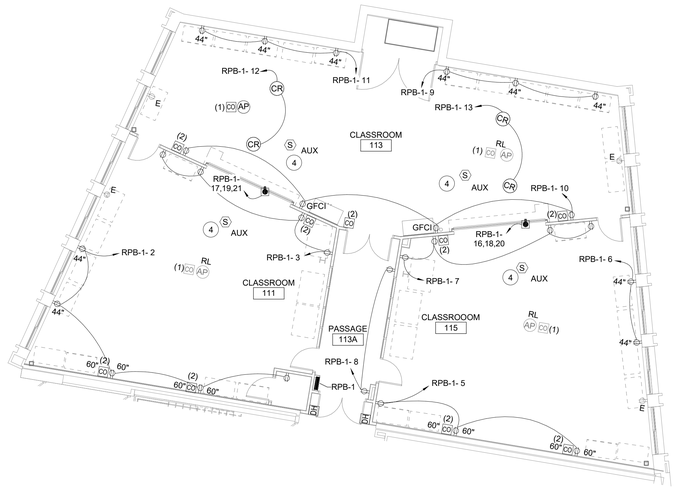
Project No.: 121111-19002



2 1st Floor - Main Entrance Power & Communication Plan - Area C
1/8" = 1'-0"



1 1st Floor Music Suite Power & Communications Plan - Area D
1/8" = 1'-0"



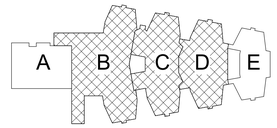
3 1st Floor - STEM Power & Communication Plan - Area B
1/8" = 1'-0"

Keyed Notes

1. RE-CONNECT POWER CIRCUITRY PREVIOUSLY SERVING HVAC EQUIPMENT INDICATED. EXTEND/MODIFY CIRCUITRY AS REQUIRED.
2. CONNECT TO 20A1P SPARE BREAKER IN PANEL INDICATED USING (2)#12, (1)#12 G. IN 1/2" CONDUIT.
3. CONNECT TO 20A2P SPARE BREAKER IN PANEL INDICATED USING (2)#12, (1)#12 G. IN 1/2" CONDUIT.
4. PROVIDE SMOKE DETECTOR WITH AUXILIARY CONTACT. CONNECT TO ROLLUP WINDOW/DOOR. REFER TO DETAILS FOR FURTHER INFORMATION.

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.
B. CONNECT ALL LUMINAIRES AND GENERAL RECEPTACLES WITH (2)#12, #12G IN 1/2" C TO PANEL AS INDICATED.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Partial First Floor Power & Communications Plans

Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE163

Project No.:
121111-19002

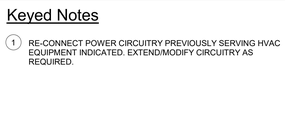
1 Second Floor HVAC Power Plan - Areas B, C and D
1" = 20'-0"

Keyed Notes

1. RE-CONNECT POWER CIRCUITRY PREVIOUSLY SERVING HVAC EQUIPMENT INDICATED. EXTEND/MODIFY CIRCUITRY AS REQUIRED.

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.



Key Plan
N.T.S.

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S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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ARCHITECTS & ENGINEERS

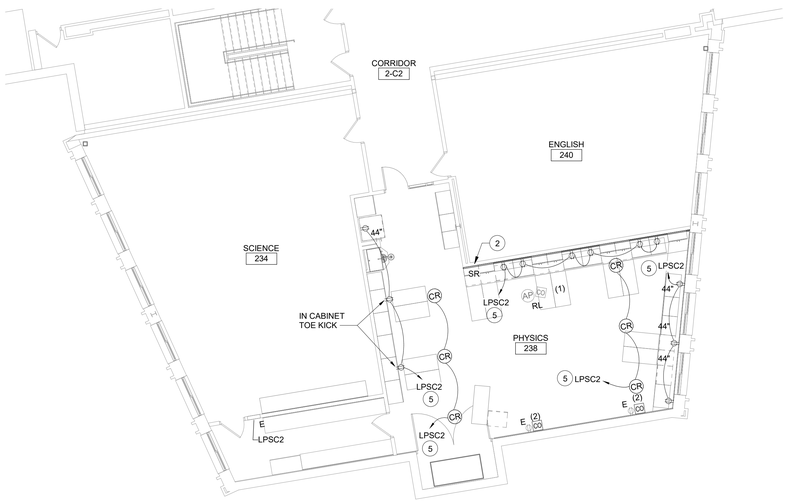
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

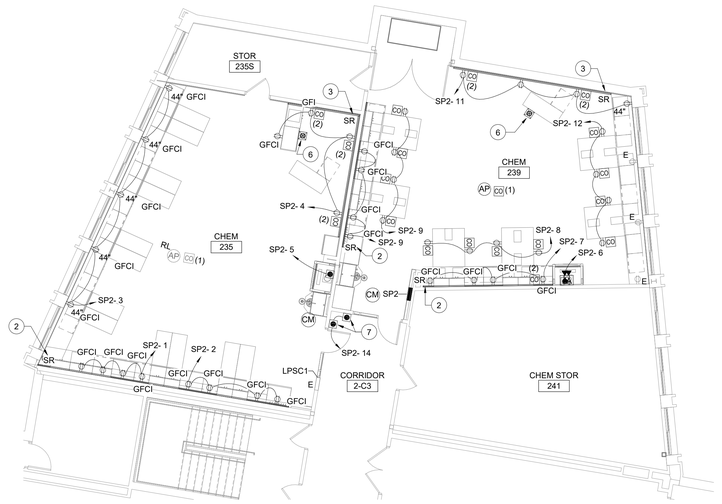
Second Floor HVAC Power Plan

Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE164

Project No.:
121111-19002

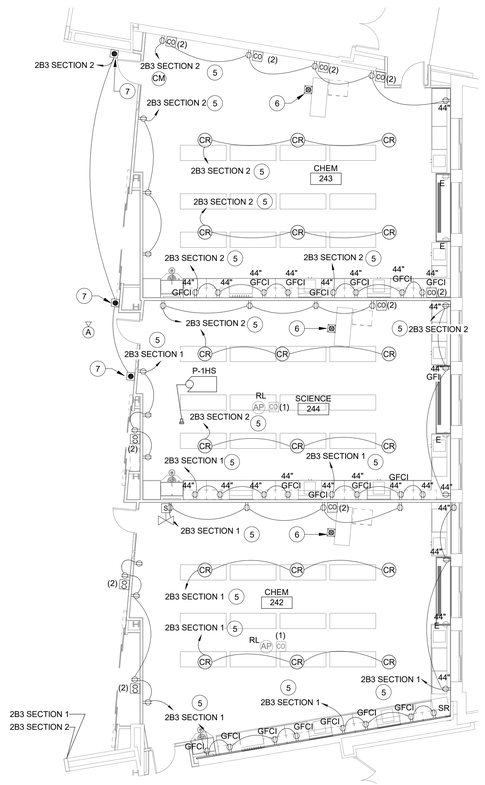


2 2nd Floor - Science Suite 2 Power & Communication Plan - Area D
1/8" = 1'-0"



1 2nd Floor - Science Suite 1 Power & Communication Plan - Area D
1/8" = 1'-0"

4 2nd Floor - LMC Power & Communication Plan - Area C
1/8" = 1'-0"



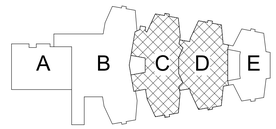
3 2nd Floor - Science Suite 3 Power & Communication Plan - Area D
1/8" = 1'-0"

Keyed Notes

1. RECONNECT POWER FEED TO REPLACED UNIT VENTILATOR. MODIFY/EXTEND FEED AS REQUIRED.
2. PROVIDE SURFACE RACEWAY, ALIGN BOTTOM OF RACEWAY WITH TOP OF BACKSPLASH.
3. PROVIDE SURFACE RACEWAY, ALIGN BOTTOM OF RACEWAY WITH TOP OF FLOOR BASE.
4. PROVIDE 54 CIRCUIT PANEL. MODIFY/EXTEND EXISTING FEEDER WIRING AND EXISTING BRANCH CIRCUIT WIRING FROM EXISTING PANEL TO REPLACEMENT PANEL.
5. CONNECT TO 20A1P SPARE BREAKER IN PANEL INDICATED USING (2)#12, (1)#12 G. IN 1/2" CONDUIT.
6. GAS SOLENOID VALVE SHUT-OFF SWITCH, SEE DETAIL 1/AE501.
7. INSTALL SOLENOID VALVE CONTROL PANEL PROVIDED BY OTHERS ABOVE CEILING AT LOCATION SHOWN. THEN PROVIDE CIRCUIT TO SHOWN PANEL. ALSO PROVIDE CONTROL WIRING TO PUSH BUTTON IN CHEMISTRY ROOMS AND TO SOLENOID VALVE. SEE PLUMBING DRAWINGS FOR SOLENOID VALVE LOCATIONS.
8. PROVIDE FLOOR BOX WITH (1) DUPLEX RECEPTACLE AND (1) DATA OUTLET. TYPICAL.

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.
B. CONNECT ALL LUMINAIRES AND GENERAL RECEPTACLES WITH (2)#12, #12G IN 1/2" C TO PANEL AS INDICATED.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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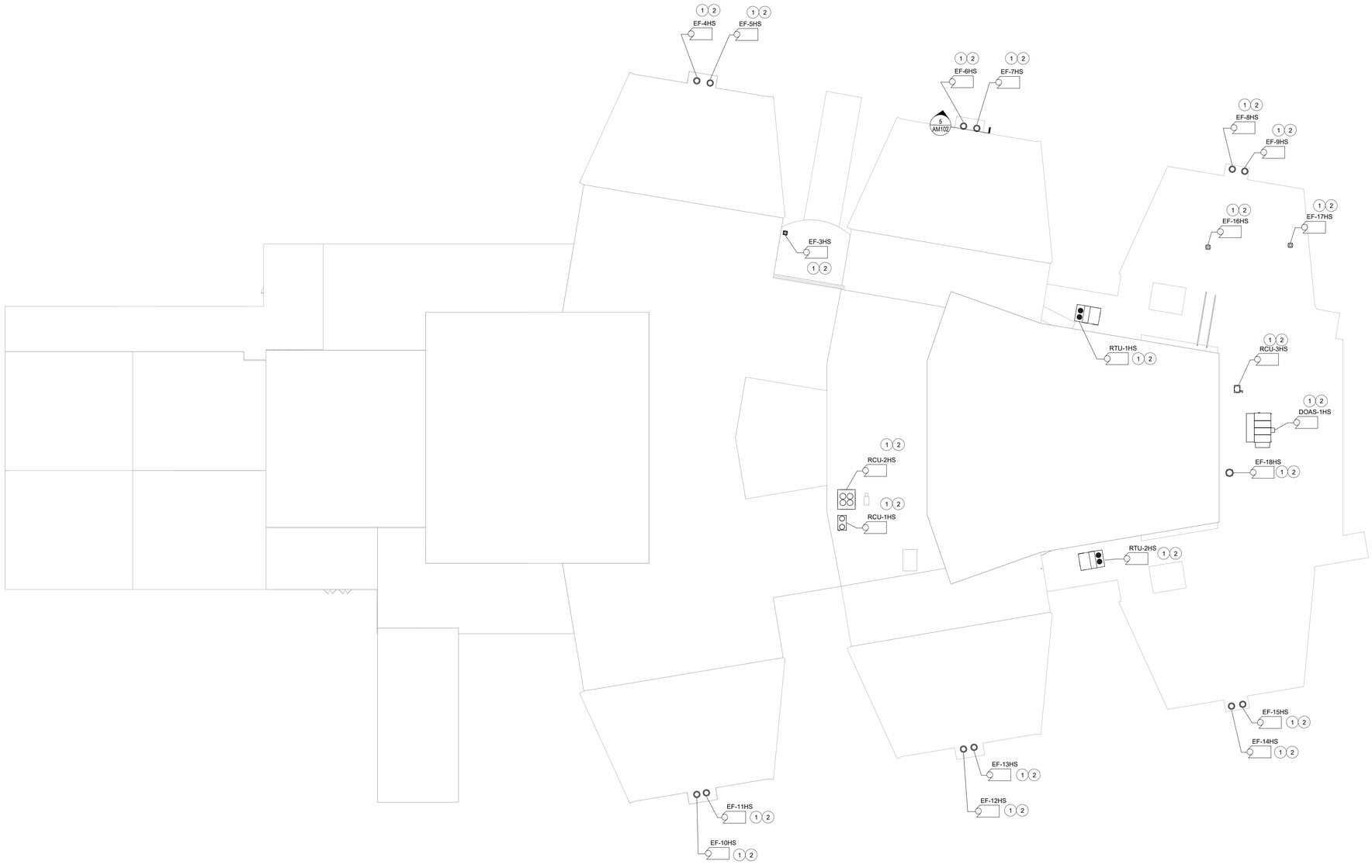
Mahopac, NY

Reconstruction To:
Mahopac High School

Partial Second Floor Power & Communications Plans

Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE165
Project No.: 121111-19002		



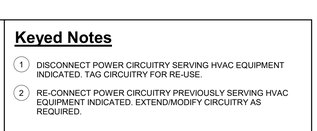
1 Roof Power Plan - Areas B, C and D
1" = 20'-0"

Keyed Notes

1. DISCONNECT POWER CIRCUITRY SERVING HVAC EQUIPMENT INDICATED. TAG CIRCUITRY FOR RE-USE.
2. RE-CONNECT POWER CIRCUITRY PREVIOUSLY SERVING HVAC EQUIPMENT INDICATED. EXTEND/MODIFY CIRCUITRY AS REQUIRED.

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.



Key Plan
N.T.S.

N

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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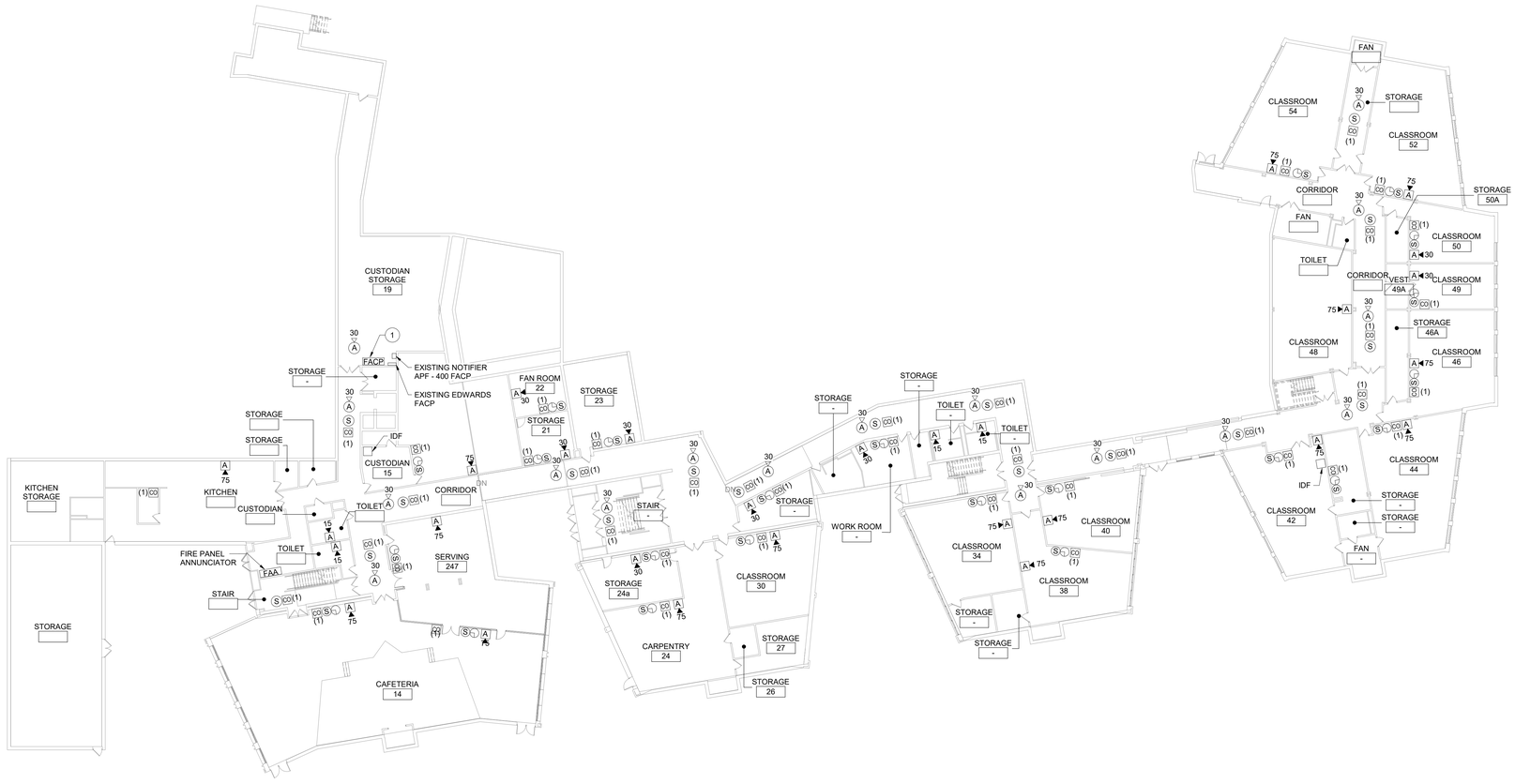
Mahopac, NY

Reconstruction To:
Mahopac High School

Roof Power Plan

Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE166

Project No.:
121111-19002



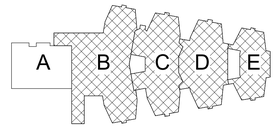
1 Basement Speaker, Clock and Fire Alarm Plan - Areas B, C, D & E
1" = 20'-0"

Keyed Notes

1. DISCONNECT AND REMOVE EXISTING FIRE ALARM CONTROL PANEL. TAG ALL EXISTING FIRE ALARM CIRCUITS FOR RE-USE. PROVIDE FIRE ALARM CONTROL PANEL WITH VOICE NOTIFICATION. RE-CONNECT ALL EXISTING FIRE ALARM CIRCUITS TO NEW FIRE ALARM CONTROL PANEL.

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.



Key Plan
N.T.S.

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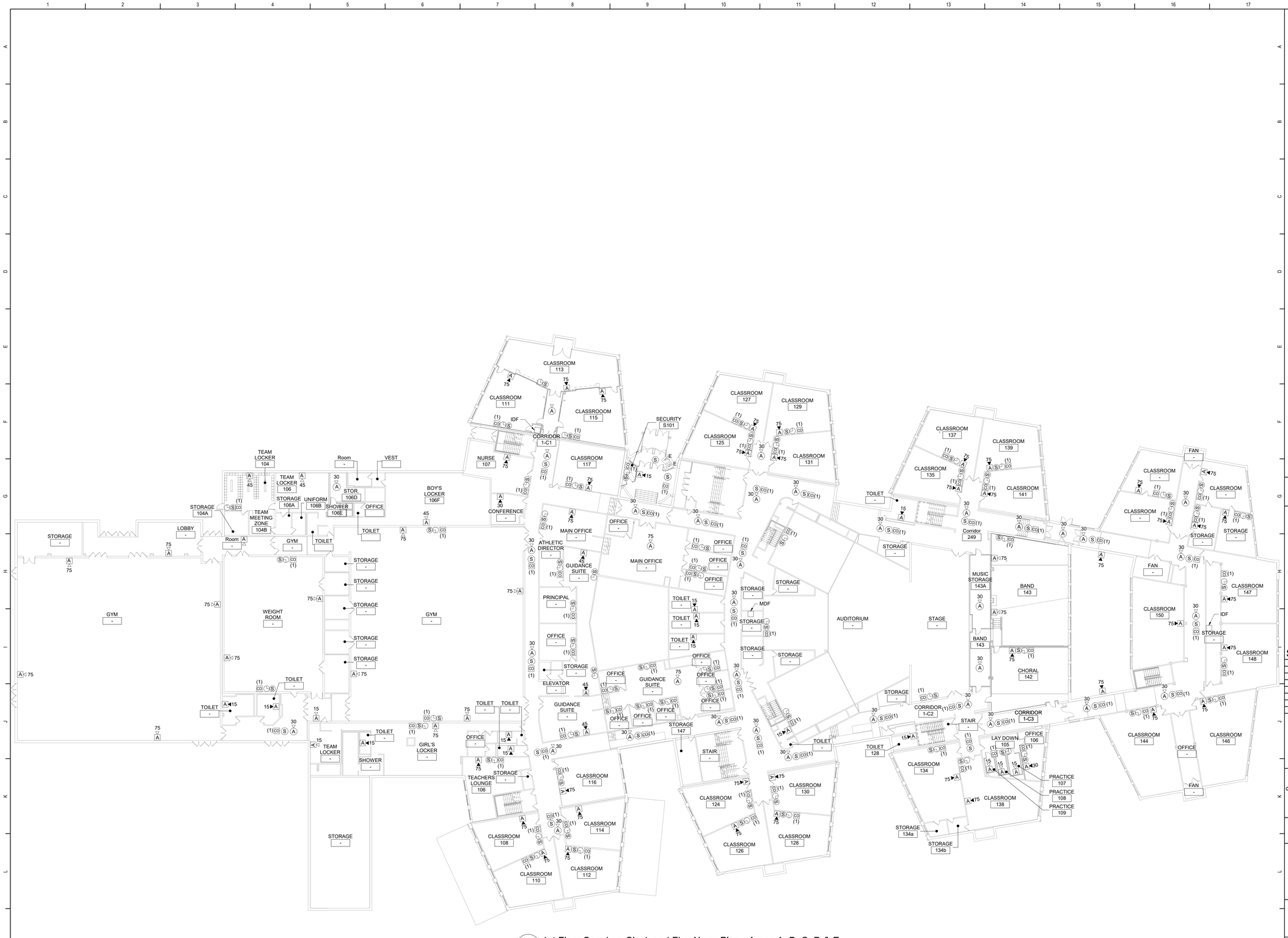
Mahopac, NY

Reconstruction To:
Mahopac High School

Basement Speaker, Clock and Fire Alarm Plan

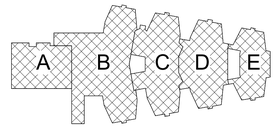
Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE200
Project No.: 121111-19002		



1 1st Floor Speaker, Clock and Fire Alarm Plan - Areas A, B, C, D & E
1" = 20'-0"

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.



Key Plan
N.T.S.

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Reconstruction To:
Mahopac High School

First Floor Speaker, Clock and Fire Alarm Plan

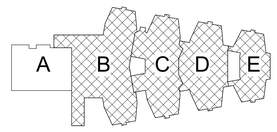
Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE201

Project No.:
121111-19002

1 2nd Floor Speaker, Clock and Fire Alarm Plan - Areas B, C, D & E
1" = 20'-0"

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.



Key Plan
N.T.S.

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S.E.D. Control No. 48-01-01-06-0-004-020

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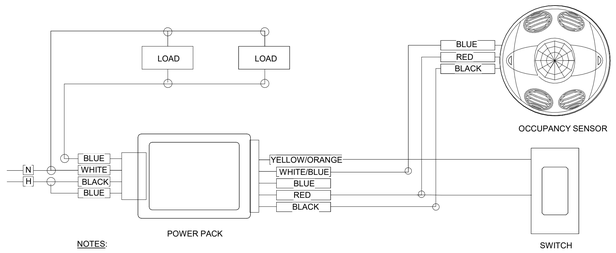
Reconstruction To:
Mahopac High School

Second Floor Speaker, Clock and Fire Alarm Plan

Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE202

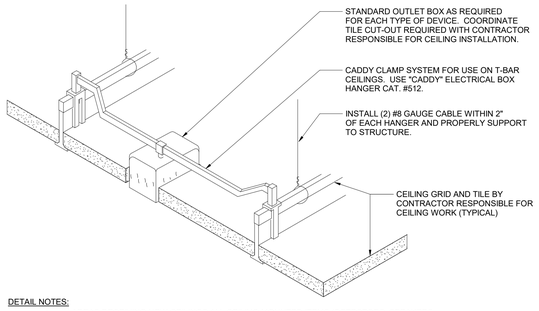
Project No.:
121111-19002



NOTES:

A. PAINT ALL SURFACE RACEWAY AND BOXES TO MATCH EXISTING SURFACES. (WHERE APPLICABLE).
B. PROVIDE 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.
E. LIGHTING CONTROL SHALL CONSIST OF:
   a. WHEN AN OCCUPANT ENTERS THE ROOM, THE LIGHT SHALL AUTOMATICALLY ACTIVATE TO OPERATE AT 50% LIGHT OUTPUT. A MANUAL ACTIVATION OF THE LIGHT SWITCH WILL INCREASE THE LIGHTING LEVEL TO 100%. ACTIVATING THE LIGHT SWITCH ONCE AGAIN WILL TURN OFF THE LIGHTING. IF THE LIGHTING IS NOT MANUALLY TURNED OFF, THE OCCUPANCY SENSOR WILL TURN OFF THE LIGHTING AFTER A PRESET AMOUNT OF TIME.
   b. WHEN OCCUPANT ENTERS CORRIDOR, THE LIGHT WILL AUTOMATICALLY ACTIVATE TO 100%, WHEN OCCUPANT LEAVES LIGHT WILL AUTOMATICALLY REDUCE TO 50% UNTIL ANOTHER OCCUPANT ENTERS.

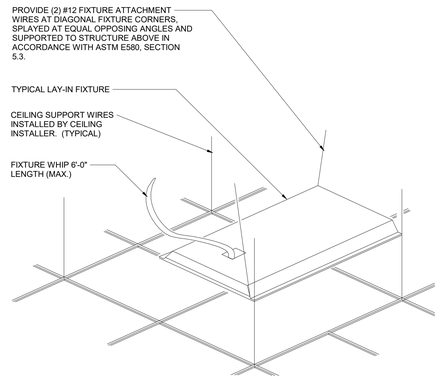
3 Occupancy Sensor Wiring Diagram
NTS



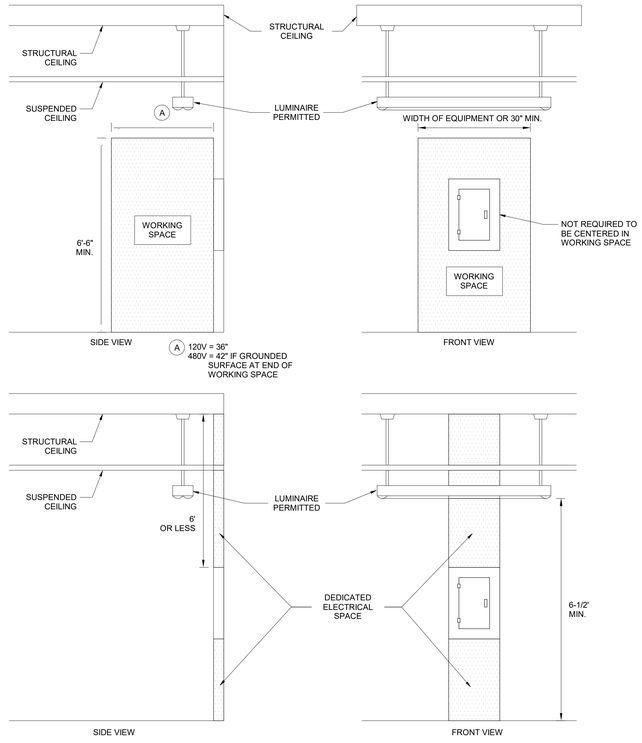
DETAIL NOTES:

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.

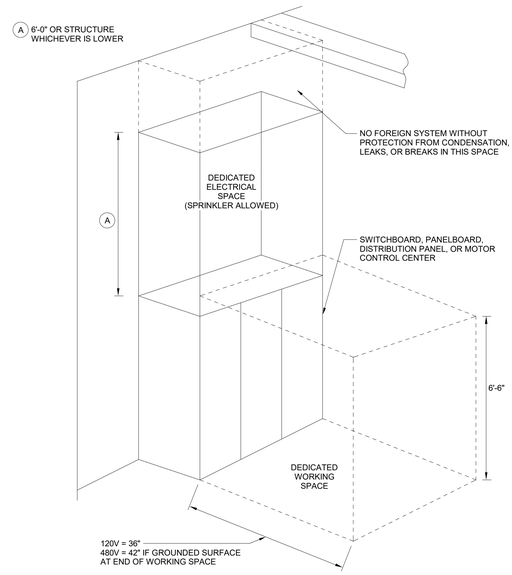
2 Ceiling Mounting Device Detail
NTS



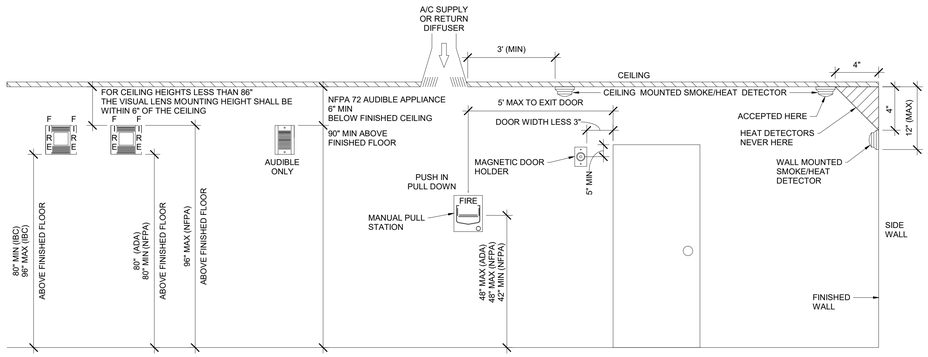
1 Typical Troffer Mounting Detail (Seismic Zones A,B,C)
NTS



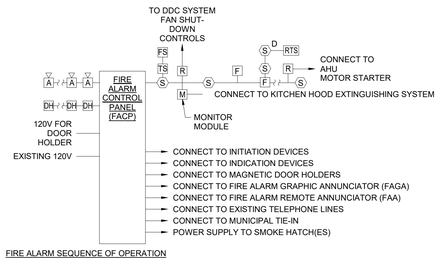
5 Working Space/ Dedicated Space at Panelboard
NTS



4 Working Space/Dedicated Space at Panelboard
NTS



6 Typical Mounting Heights
NTS



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.

NOTE:
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.

7 Fire Alarm System Wiring Diagram
NTS

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.

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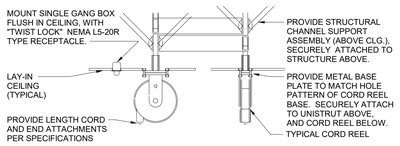
Mahopac, NY

Reconstruction To:
Mahopac High School

Details

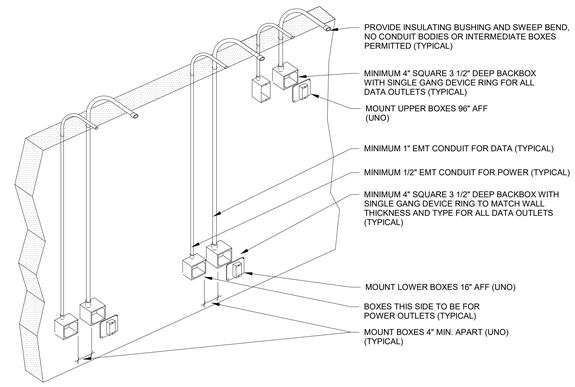
Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE500

Project No.: 121111-19002



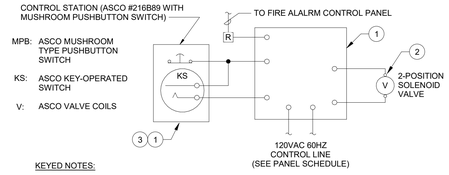
NOTE:
CORD REELS TO BE FIELD LOCATED SO THAT OPENING TRIMMED IS ADJACENT TO T-BAR GRID, SO AS TO SIMPLIFY INSTALLATION. ANY EXPOSED METAL SUPPORT PARTS ARE TO BE PAINTED WHITE.

3 Cord Reel Mounting Detail
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

2 Conduit/Backbox Installation
NTS



KEYED NOTES:

1. CONTROL STATION AND RELAY PANEL PROVIDED BY PC, INSTALLATION AND WIRING CONNECTIONS BY EC.
2. 2 POSITION SOLENOID VALVE PROVIDED AND INSTALLED BY PC, WIRING CONNECTIONS BY EC.
3. 3"x4" LAMINATED NAMEPLATE (RED WITH WHITE LETTERS) PROVIDED BY PC, MOUNTED ABOVE CONTROL STATION IDENTIFYING ITS FUNCTION. I.E. GAS SHUT-OFF

OPERATION:

OPERATING THE SWITCH ON THE CONTROL STATION LOCATED NEAR THE TEACHERSWORK STATION ENERGIZES THE RELAY TO OPERATE A NORMALLY CLOSED DC SOLENOID VALVE, WHICH TURNS ON FLOW FOR GAS. IF THE CONTROL VOLTAGE IS LOST OR REDUCES TO APPROXIMATELY 50% OF NORMAL VALUE, THE RELAY DE-ENERGIZES THE NORMALLY CLOSED VALVE TO SHUT OFF FLOW. VALVES CAN ALSO BE SHUT-OFF BY DEPRESSING THE NORMALLY CLOSED PUSHBUTTON SWITCH LOCATED ON THE CONTROL STATION. ACTIVATION OF THE FIRE ALARM SYSTEM SHUTS GAS SOLENOID VALVE.

1 Gas Solenoid Valve Wiring Diagam
NTS

OPERATION:
AREA DETECTORS WITH AUX. CONTACTS ARE LOCATED ON BOTH SIDES OF FIRE SHUTTER. WHEN EITHER DETECTOR GOES INTO ALARM, THE AUXILIARY CONTACTS ACTIVATE FIRE ALARM RELAY ALLOWING 24 VOLT DC CURRENT TO MELT FUSIBLE LINK, RELEASING FIRE SHUTTER.

4 Fire shutter
12" = 1'-0"

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.

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Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Details

Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE501

Project No.:
121111-19002

PANEL NAME	AREA IN BUILDING	ROOM	MOUNTING	EXG NUM OF SPACES	REPLACEMENT NUM OF SPACES	VOLTAGE / PHASE	PANEL RATING (A)	PANEL LUG RATING	MAIN CIRCUIT BREAKER REQUIRED (RATING)	PANEL AIC	1P15	1P20	1P20 GFCI	1P30	1P50	2P15	2P20	2P30	2P50	2P60	2P100	3P15	3P20	3P30	3P40	3P50	3P60	3P70	3P80	3P90	3P100	3P150	3P175	3P200	3P225	3P250	3P300	3P350	3P400	3P3000	NOTES
OL	Basement	Custodial Storage 019	Surface	24	24	120/208/3P	100A	100A	-	10K		22			2																									
EX	Basement	Custodial Storage 019	Surface	12	12	120/208/3P	100A	100A	-	10K	7	2										1																	
GB1	Basement	Teacher's Work Rm030	Surface	42	42	120/208/3P	225A	225A	-	10K	1	25											3				1												
KP SECTION 1	Basement	Kitchen 007	Recessed	36	42	120/208/3P	400A	400A	-	10K	3	5						2	2			2	1	2				1											
KP SECTION 2	Basement	Kitchen 007	Recessed	42	42	120/208/3P	400A	400A	-	10K	9	18						1				1	1		2														
SH1 SECTION 1	Basement	Tech Room 024	Surface	7	7	120/208/3P	225A	-	225A	10K		6																							1				
SH1 SECTION 2	Basement	Tech Room 024	Surface	24	24	120/208/3P	225A	225A	-	10K												8																	
SH1 SECTION 3	Basement	Tech Room 024	Surface	42	42	120/208/3P	225A	225A	-	10K		9	9				1		1			3		1		1													
SH2 SECTION 1	Basement	Serving	Recessed	7	7	120/208/3P	250A	-	250A	10K		6																							1				
SH2 SECTION 2	Basement	Serving	Recessed	12	42	120/208/3P	400A	400A	-	10K		2										2				1													
SH2 SECTION 3	Basement	Serving	Recessed	42	42	120/208/3P	400A	400A	-	10K	1	17	8	4			2	2				3	1			2													
SH3 SECTION 1	Basement	Cafeteria	Recessed	7	7	120/208/3P	225A	-	225A	10K		6																							1				
SH3 SECTION 2	Basement	Cafeteria	Recessed	9	9	120/208/3P	225A	225A	-	10K		8													1														
SDP	Basement	Meter Room 131	Floor	1	1	120/208/3P	3000A	-	2500A	10K																													1
GBB	Basement	Custodial Storage 019	Surface	15	15	120/208/3P	200A	200A	-	10K								1					1	2							1								
BP	TBD	TBD	TBD	TBD	TBD	120/208/3P	TBD	TBD	TBD	10K																													
MDP1	Basement	Meter Room 131	Floor	Switchboard	Switchboard	120/208/3P	2000A	-	2000A	65K																	3			4			8				4		
MDP2	1st Floor	Storage 186	Floor	Switchboard	Switchboard	120/208/3P	800A	800A	800A	10K																	4			4			6				5		
AP	1st Floor	Gym Storage 117	Surface	36	36	120/208/3P	225A	225A	-	10K								6						8														
1A1	1st Floor	Janitor Closet 129	Recessed	42	42	120/208/3P	225A	225A	-	10K		39										1																	
1A2	1st Floor	Corridor 131	Recessed	30	30	120/208/3P	225A	225A	-	10K		14				1		1																					
1A3	1st Floor	Outside 120 Janitor CL.	Recessed	36	36	120/208/3P	225A	225A	-	10K		36																											
1A4	1st Floor	Gym Storage 116	Surface	18	18	120/208/3P	100A	100A	-	10K		17																											
1B1	1st Floor	Stairway across 186 Rm	Recessed	42	42	120/208/3P	400A	400A	-	10K		36											1			1													
1B2	1st Floor	Corridor across 184 Rm	Recessed	42	42	120/208/3P	400A	400A	-	10K		39											1																
1B3	1st Floor	Corridor outside 189 Rm	Recessed	42	54	120/208/3P	400A	400A	-	10K		36		2				2	2		1	2																	
1B4	1st Floor	Corridor outside 199 Rm	Recessed	42	54	120/208/3P	225A	225A	-	10K		45					1					1																	
SP	1st Floor	Corridor 131	Recessed	42	42	120/208/3P	400A	400A	-	10K		34					2					1																	
2A1 SECTION 1	2nd Floor	Corridor outside 218 Rm	Recessed	24	24	120/208/3P	225A	225A	-	10K		14		4									2																
2A1 SECTION 2	2nd Floor	Corridor outside 218 Rm	Recessed	24	24	120/208/3P	225A	225A	-	10K		24																											
2A2	2nd Floor	Corridor across 201 Rm	Recessed	42	42	120/208/3P	225A	225A	-	10K	1	37		1									1																
2B1	2nd Floor	Corridor outside 242 Rm	Recessed	36	36	120/208/3P	400A	400A	-	10K		33										1																	
2B2	2nd Floor	Corridor outside 268 Rm	Recessed	30	30	120/208/3P	400A	400A	-	10K		22						1				2																	
2B3 SECTION 1	2nd Floor	Corridor outside 253 Rm	Recessed	30	42	120/208/3P	200A	-	200A	10K		38		2																									
2B3 SECTION 2	2nd Floor	Corridor outside 253 Rm	Recessed	30	42	120/208/3P	200A	-	200A	10K		36							1			1																	
2B4	2nd Floor	Corridor outside 260 Rm	Recessed	42	42	120/208/3P	225A	225A	-	10K		31		2								1			2														
LPSC1	2nd Floor	Chemistry 263	Surface	24	24	120/208/3P	60A	60A	-	10K		22				1																							
LPSC2	2nd Floor	Storage 247	Surface	18	24	120/208/3P	100A	100A	-	10K		23																											

1 Panel Replacement Schedule
NTS

LUMINAIRE SCHEDULE

***ALL LUMINAIRES ARE 120V

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

ITEM	SYMBOL	ITEM	LAMPS			MANUFACTURERS (OR EQUAL)*		NOTE
			LUMENS	WATTAGE	TYPE	NAME	MODEL OR SERIES	
1		2' X 2' RECESSED TROFFER	4500	42	LED	SIGNIFY	2FXP-45L-835-2-DS-UNV-DIM	
1EM		2' X 2' RECESSED TROFFER WITH INTEGRAL BATTERY BACKUP	4500	42	LED	SIGNIFY	2FXP-45L-835-2-DS-UNV-DIM-EMLED	
2		2.25" APERATURE WITH 12" BAFFLE ACOUSITIC SUSPENDED LINEAR	1655	4.6	LED	FINELITE	HP-2-B-P-D-4'-835-F-SC-FC-10%-C4-FE	
2EM		2.25" APERATURE WITH 12" BAFFLE ACOUSITIC SUSPENDED LINEAR AND INTEGRAL BATTERY BACKUP	1655	4.6	LED	FINELITE	HP-2-B-P-D-4'-835-F-SC-FC-10%-C4-FE-BSL310LP	
3		2.25" X 4' APERATURE REGRESSED 1" DIFFUSER SURFACE MOUNT LINEAR	1486	4.6	LED	FINELITE	HP-2-SM-D-4-B-835-RG-D-120-SC-FC-10%-C4-FE	
3EM		2.25" X 4' APERATURE 1" REGRESSED DIFFUSER SURFACE MOUNT LINEAR WITH INTEGRAL BATTERY BACKUP	1486	4.6	LED	FINELITE	HP-2-SM-D-4-B-835-RG-D-120-SC-FC-10%-C4-FE-BSL310LP	
3A		2.25" X 4' APERATURE REGRESSED 1" DIFFUSER RECESSED LINEAR	1486	4.6	LED	FINELITE	HP-2-R-D-2-B-835-RG-D-120-SC-FC-10%-C4-FE	REFER TO PLANS FOR LENGTH AND CORNERS
4		2.25" X 4' APERATURE WITH SUSPENDED LINEAR	1486	4.6	LED	FINELITE	HP-2-B-P-D-4'-835-F-SCFC-10%-C4-FE	
4EM		2.25" X 4' APERATURE WITH SUSPENDED LINEAR WITH INTEGRAL BATTERY BACKUP	1486	4.6	LED	FINELITE	HP-2-B-P-D-4'-835-F-SCFC-10%-C4-FE-BSL310LP	
5		3.5" DIAMETER 12" CYLINDER PENDANT	950	18	LED	INTENSE LIGHTING	MXPRD-TW2-2-D10V1-WF-FR	
6		4" DIAMETER RECESSED DOWNLIGHT	1000	20	LED	INTENSE LIGHTING	4-R-N-Z4RDL-10-835-W-O-CD-Z10-U	
7		.30" X 1.14" DISPLAY TASK LINEAR LIGHT	418lm/ft	4.1	LED	VODE LIGHTING	707-Z1-SL	REFER TO PLANS FOR LENGTH
8		2.25"X 4' RECESSED LINEAR	1692	4.6	LED	FINELITE	HP-2-R-D-4'-B-835-F-SC-FC-10%-C4-FE	
8EM		2.25"X 4' RECESSED LINEAR WITH INTEGRAL BATTERY BACKUP	1692	4.6	LED	FINELITE	HP-2-R-D-4'-B-835-F-SC-FC-10%-C4-FE-BSL310LP	
9		4" DIAMETER RECESSED SHOWER DOWNLIGHT	1000	11	LED	SIGNIFY (LIGHTOLIER)	4-R-N-Z4RDL-10-835-W-O-CD-Z10-U	
9EM		4" DIAMETER RECESSED SHOWER DOWNLIGHT WITH INTEGRAL BATTERY BACKUP	1000	11	LED	SIGNIFY (LIGHTOLIER)	4-R-N-Z4RDL-10-835-W-O-CD-Z10-U-EM	
10		48" X 46" X 38" CABLE MOUNTED ALUMINIUM/GLASS CHANDELIER		750	LED	NEMO LIGHTING	CRO HOW 52	
20		EXIT SIGN (SINGLE FACE)		2.5	LED	SIGNIFY (CHLORIDE)	ER46L-1-W-R	SEE PLANS FOR DIRECTIONAL INDICATORS
21		EXIT SIGN (DOUBLE FACE)		2.5	LED	SIGNIFY (CHLORIDE)	ER46L-2-W-R	SEE PLANS FOR DIRECTIONAL INDICATORS
30		BATTERY PACK EMERGENCY LIGHT		.027	LED	SIGNIFY	CLUN-W	

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

complex world | CLEAR SOLUTIONS

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

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Schedules

Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE600

Project No.: 121111-19002

PANELBOARD: RPB-1

Location: CLASSROOM 207 — Recessed **MOUNTED** — **SYM. A.I.C....** — **ENCLOSURE TYPE** Type 1

AMP MAIN (LUGS) OR 100 A **AMP MAIN BREAKER WITH** 100 A **AMP TRIP**

SE LABEL

208Y/120V VOLTS 3 **PHASE** 4 **WIRE** 60 **HERTZ** 100 A **AMP BUS**

CKT NO.	POLES	TRIP AMPS	WIRE AWG	# OF WIRES	GND. AWG	CONDUIT INCH	LOAD SERVED	A		B		C		LOAD SERVED	CONDUIT INCH	GND. AWG	# OF WIRES	WIRE AWG	TRIP AMPS	POLES	CKT NO.
1	1	20 A					WNDW V101	180 VA	900 VA					RCPT: 111					20 A	1	2
3	1	20 A					RCPT: 111			720 VA	454 VA			LTS: 111,113,113A,115					20 A	1	4
5	1	20 A					RCPT: 115					540 VA	360 VA	RCPT: 115					20 A	1	6
7	1	20 A					RCPT: 115	720 VA	360 VA					RCPT: 113A					20 A	1	8
9	1	20 A					RCPT: 113			720 VA	720 VA			RCPT: 113					20 A	1	10
11	1	20 A					RCPT: 113					720 VA	360 VA	Other					20 A	1	12
13	1	20 A					Other CLASSROOM 113	360 VA	15 VA					Other Room 205, 208,...					20 A	1	14
15	1	20 A					RCPT: L101			1080 VA	60 VA										16
17												60 VA	60 VA	ROLL DOORS CLASSROOM 207					20 A	3	18
19	3	20 A					ROLL DOORS CLASSROOM 207	60 VA	60 VA												20
21										60 VA	0 VA			SPARE	--	--	--	--	20 A	1	22
23	1	20 A	--	--	--	--	SPARE					0 VA	0 VA	SPARE	--	--	--	--	20 A	1	24
							TOTAL CONNECTED LOAD PER PHASE...	2655 VA		3814 VA		2100 VA									
								A		**B**		**C**									

*** -GFCI BREAKER** **** -SHUNT TRIP BREAKER**

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

TOTAL CONNECTED LOAD: 24 A
TOTAL CONNECTED LOAD: 8.569 kVA

SUPPLIED FROM:

PANELBOARD: SP2

Location: CLASSROOM 261 — Recessed **MOUNTED** — **SYM. A.I.C....** — **ENCLOSURE TYPE** Type 1

AMP MAIN (LUGS) OR 100 A **AMP MAIN BREAKER WITH** 100 A **AMP TRIP**

SE LABEL

208Y/120V VOLTS 3 **PHASE** 4 **WIRE** 60 **HERTZ** 100 A **AMP BUS**

CKT NO.	POLES	TRIP AMPS	WIRE AWG	# OF WIRES	GND. AWG	CONDUIT INCH	LOAD SERVED	A		B		C		LOAD SERVED	CONDUIT INCH	GND. AWG	# OF WIRES	WIRE AWG	TRIP AMPS	POLES	CKT NO.
1	1	20 A					RCPT: 235	720 VA	720 VA					RCPT: 235					20 A	1	2
3	1	20 A					RCPT: 235			900 VA	720 VA			RCPT: 235					20 A	1	4
5	1	20 A					CONN: FUME HOOD...					1000 VA	1000 VA	CONN: FUME HOOD...					20 A	1	6
7	1	20 A					RCPT: 239	720 VA	720 VA					RCPT: 239					20 A	1	8
9	1	20 A					RCPT: 239			720 VA	720 VA			RCPT: 239					20 A	1	10
11	1	20 A					RCPT: 239					720 VA	720 VA	RCPT: 239					20 A	1	12
13	1	20 A					LTS: 235, 239	1470 VA	360 VA					CONN: SOLENOID...					20 A	1	14
15																					16
17																					18
19																					20
21																					22
23																					24
25																					26
27																					28
29																					30
							TOTAL CONNECTED LOAD PER PHASE...	4659 VA		3060 VA		3440 VA									
								A		**B**		**C**									

*** -GFCI BREAKER** **** -SHUNT TRIP BREAKER**

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

TOTAL CONNECTED LOAD: 31 A
TOTAL CONNECTED LOAD: 11.146 kVA

SUPPLIED FROM:

PANELBOARD: NC32F

Location: LIBRARY MEDIA... — Recessed **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	GND. AWG	CONDUIT INCH	LOAD SERVED	A		B		C		LOAD SERVED	CONDUIT INCH	GND. 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	--	--	--	--	30 A	1	14
15	1	20 A	--	--	--	--	EXISTING LOAD			0 VA	0 VA			EXISTING LOAD	--	--	--	--	40 A	2	16
17	1	20 A	--	--	--	--	EXISTING LOAD					0 VA	0 VA								18
19	1	20 A	--	--	--	--	EXISTING LOAD	0 VA	844 VA					LTS:...					20 A	1	20
21	1	20 A					RCPT: 223-4			540 VA	768 VA			LTS: 2-C7,22S1-S6,LIB					20 A	1	22
23	1	20 A					RCPT: 223-3					720 VA	1080 VA	LTS:...					20 A	1	24
25	1	20 A					RCPT: 219A	900 VA	720 VA					RCPT: 223-3					20 A	1	26
27	1	20 A					RCPT: 218			900 VA	900 VA			RCPT: 219A					20 A	1	28
29	1	20 A					RCPT: 223					540 VA	540 VA	RCPT: 218					20 A	1	30
31	1	20 A					RCPT: 223 FLOOR BOX	1080 VA	720 VA					RCPT: 223-2					20 A	1	32
33	1	20 A					RCPT: 223S6			900 VA	720 VA			RCPT: 223S5					20 A	1	34
35	1	20 A					RCPT: 223					900 VA	900 VA	RCPT: 223-4					20 A	1	36
37	1	20 A					RCPT: 223S2	900 VA	720 VA					RCPT: 219					20 A	1	38
39	1	20 A					RCPT: 223S4			720 VA	1000 VA			VAV-1, 2, 3, 4 & 5					20 A	1	40
41	1	20 A					RCPT: 223S3					720 VA	1000 VA	VAV-6, 7, 8, 9 & 10					20 A	1	42
43	1	20 A					RCPT: 223	1080 VA	360 VA					RCPT: 223 FLOOR BOX					20 A	1	44
45	1	20 A					CONN: LIFT			180 VA	720 VA			RCPT: 223S1					20 A	1	46
47	1	20 A					LTS: CHANDELIER					750 VA	720 VA	RCPT: 223S4					20 A	1	48
49	1	20 A					LTS: CHANDELIER	750 VA	900 VA					RCPT: 223S3					20 A	1	50
51	1	20 A					LTS: CHANDELIER			750 VA	900 VA			RCPT: 223					20 A	1	52
53	1	20 A					LTS: CHANDELIER					750 VA	0 VA	SPARE	--	--	--	--	20 A	1	54
							TOTAL CONNECTED LOAD PER PHASE...	8955 VA		8980 VA		8620 VA									
								A		**B**		**C**									

*** -GFCI BREAKER** **** -SHUNT TRIP BREAKER**

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

TOTAL CONNECTED LOAD: 74 A
TOTAL CONNECTED LOAD: 26.555 kVA

SUPPLIED FROM:

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

BID SET

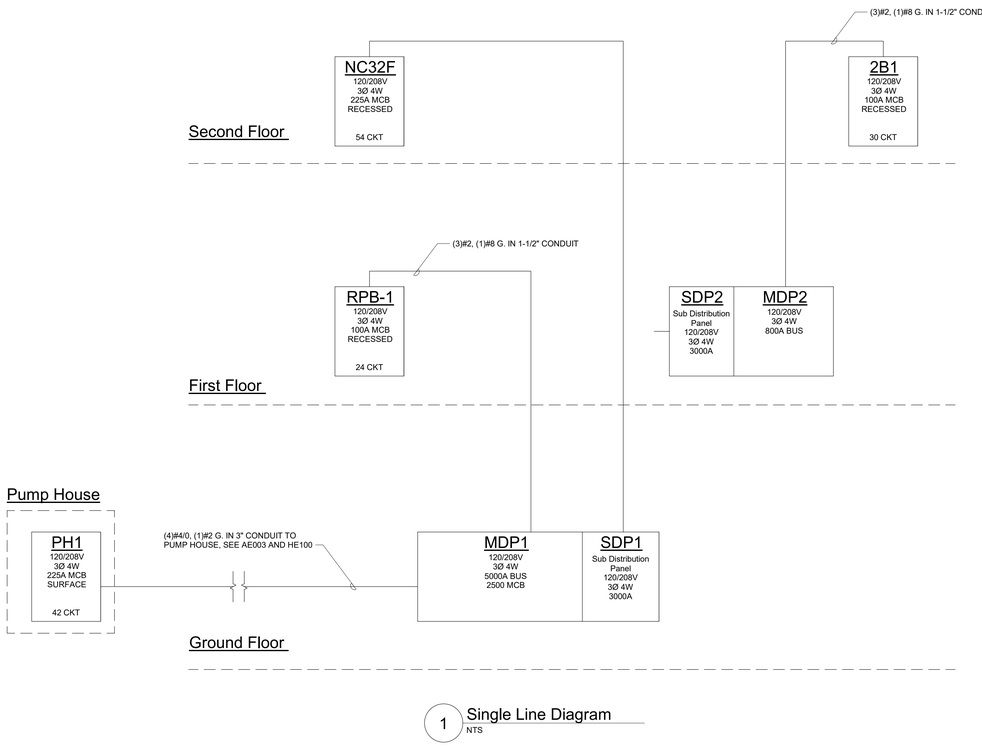
TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Schedules

Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE601
Project No.: 121111-19002		



1 Single Line Diagram
NTS

General Notes

A. REFER TO DRAWING AE050 FOR GENERAL AND DEMOLITION NOTES.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

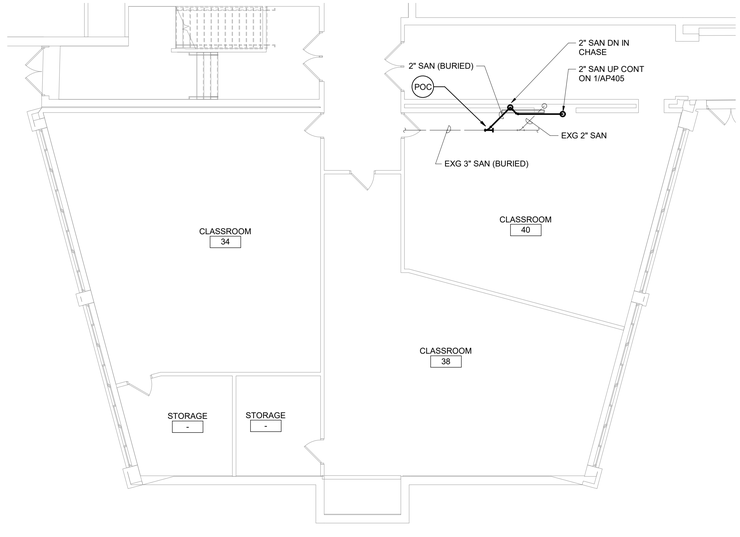
Reconstruction To:
Mahopac High School

Single Line Diagram

Drawn By:	Date:	Drawing Number:
CR	8/21/20	AE700

Project No.:
121111-19002

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



2 Classroom 40 Enlarged Plan
1/8" = 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.

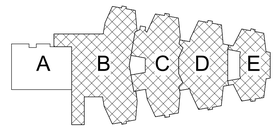
C. LEGALLY DISPOSE OF ALL DEMOLITION DEBRIS.

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. AP600 FOR 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 "A" SERIES OR CODE COMPLIANCE DRAWINGS FOR LOCATION OF FIRE RATED WALLS AND FLOORS.



Key Plan
N.T.S.

N

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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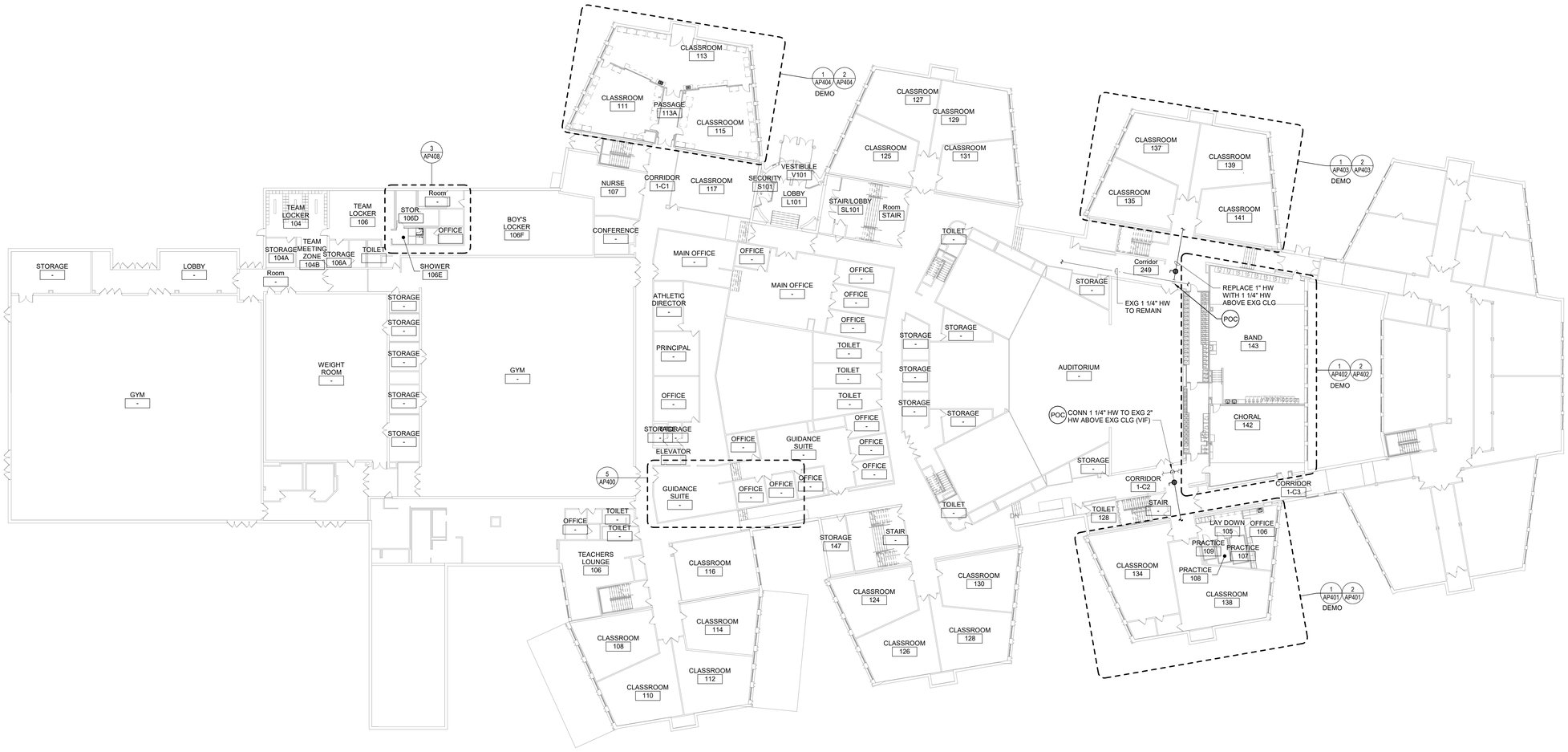
TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Basement Floor Key Plan

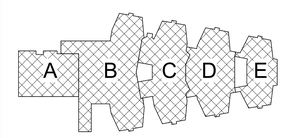
Drawn By:	Date:	Drawing Number:
DCG/ sef	08/21/20	AP050
Project No.: 121111-19002		



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

Plan Notes

A. REFER TO DRAWING NO. AP050 FOR GENERAL NOTES.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

First Floor Key Plan

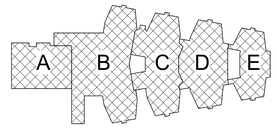
Drawn By:	Date:	Drawing Number:
DCG/ sef	08/21/20	AP051

Project No.:
121111-19002

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

Plan Notes

A. REFER TO DRAWING NO. AP050 FOR GENERAL NOTES.



Key Plan
N.T.S.

N

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

complex world | CLEAR SOLUTIONS

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

BID SET

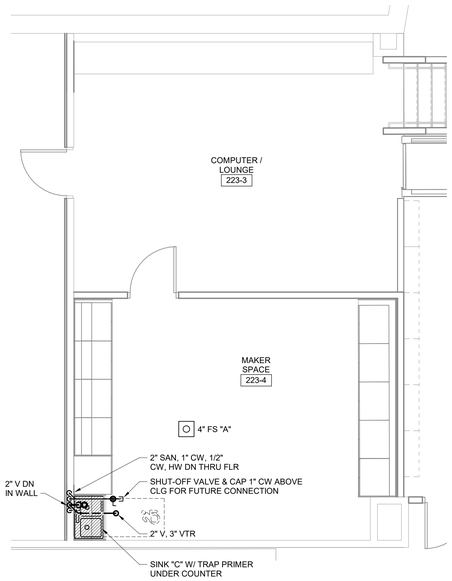
TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

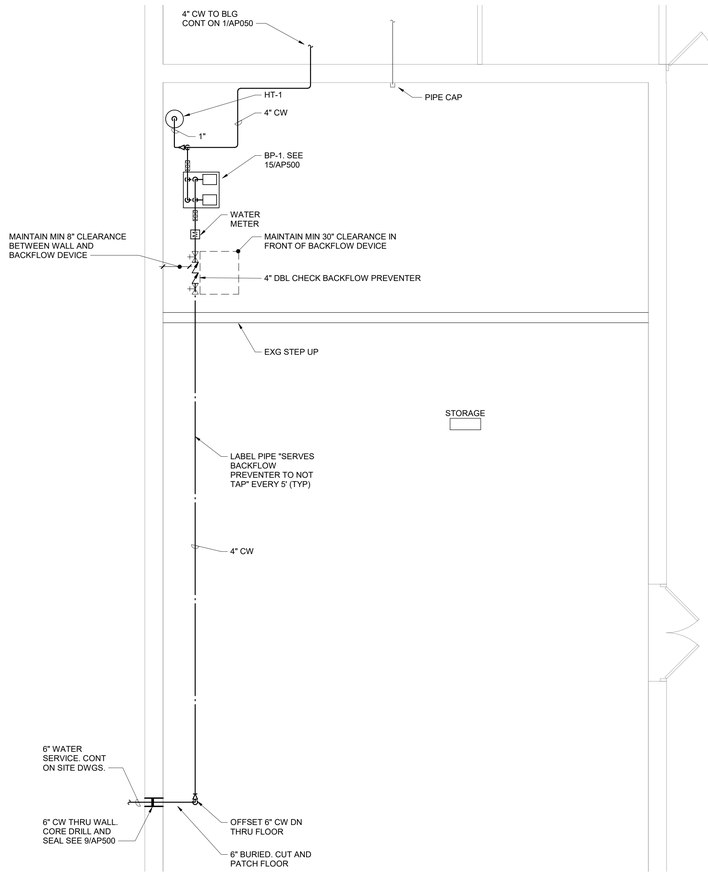
Reconstruction To:
Mahopac High School

Second Floor Key Plan

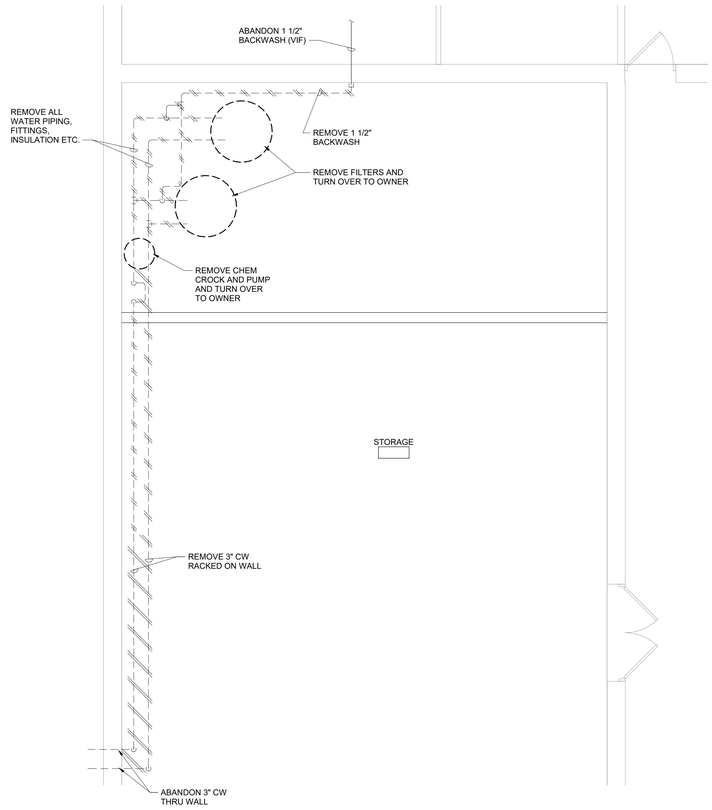
Drawn By:	Date:	Drawing Number:
DCG/ sef	08/21/20	AP052
Project No.: 121111-19002		



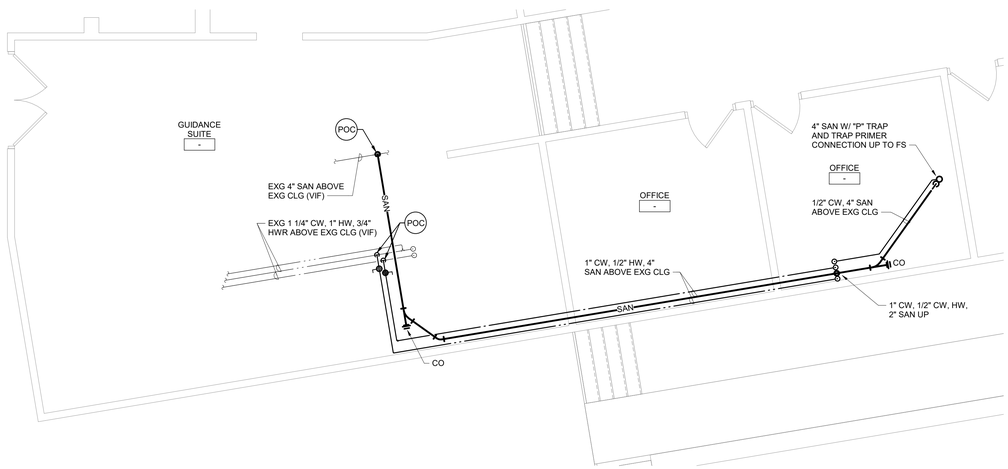
4 Maker Space 223-4 Plan
1/4" = 1'-0"
NOTE: VIEW ROTATED FROM KEY PLAN



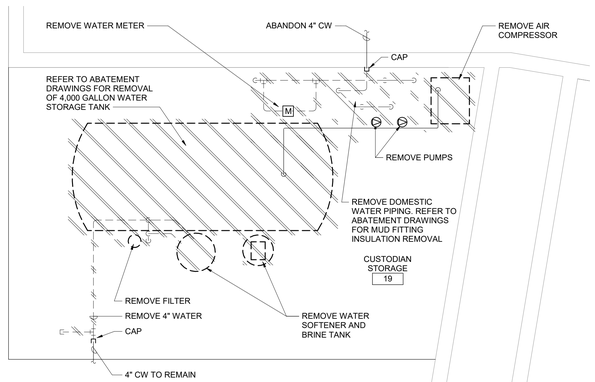
3 Enlarged Storage Room Plan
1/4" = 1'-0"



1 Enlarged Storage Room Demolition Plan
1/4" = 1'-0"



5 Enlarged Guidance Suite Plan
1/4" = 1'-0"



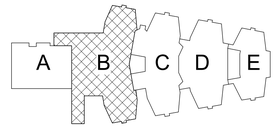
2 Enlarged Custodian Storage 19 Demolition Plan
1/4" = 1'-0"

Plan Notes

A. REFER TO DRAWING NO. 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.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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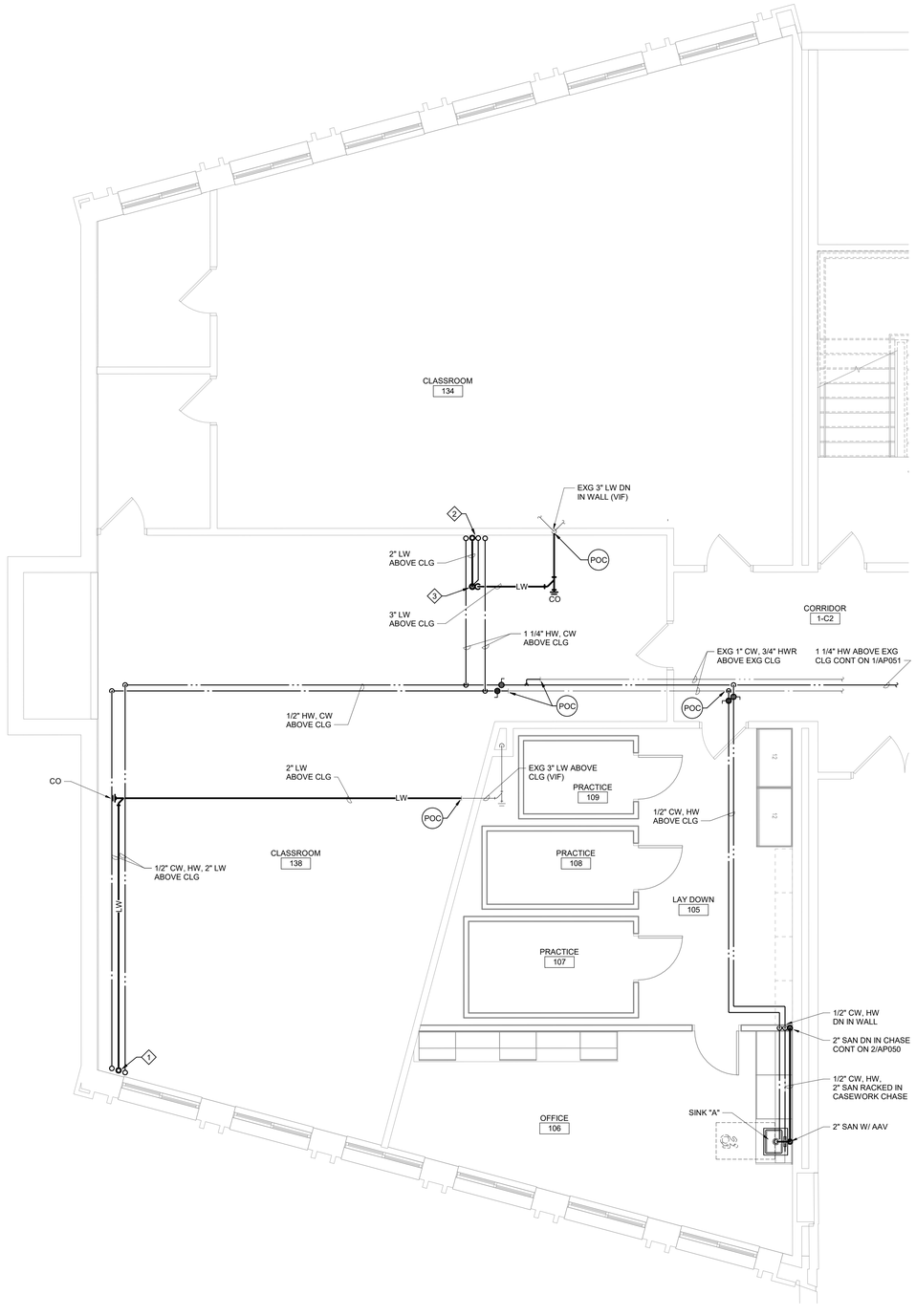
TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

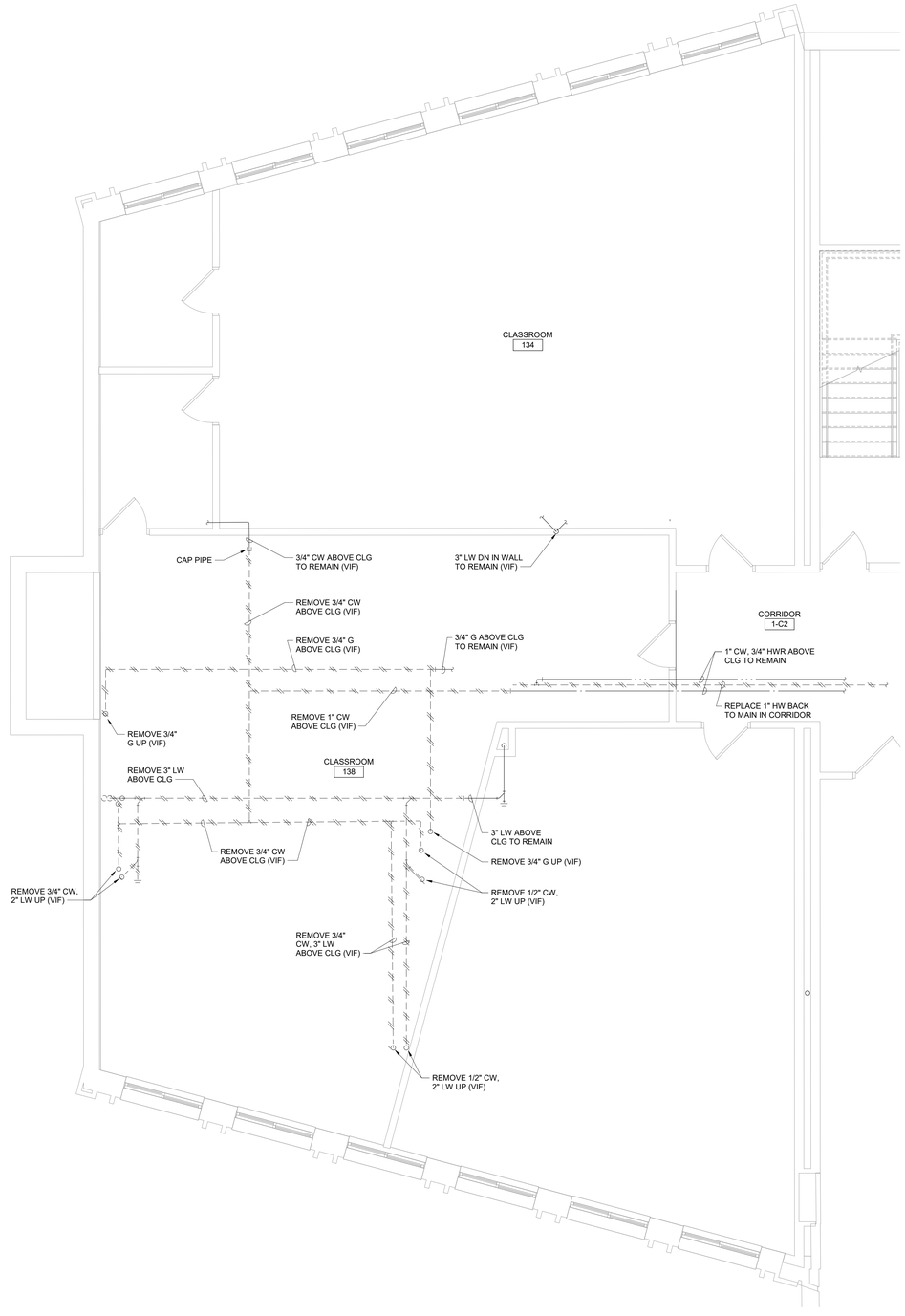
Reconstruction To:
Mahopac High School

Enlarged Water System and Maker Space Plans

Drawn By:	Date:	Drawing Number:
DCG/ sef	08/21/20	AP400
Project No.: 121111-19002		



2 Enlarged 105 Laydown and 106 Office Plan
1/4" = 1'-0"
NOTE: VIEW ROTATED FROM KEY PLAN



1 Enlarged 105 Laydown and 106 Office Demolition Plan
1/4" = 1'-0"
NOTE: VIEW ROTATED FROM KEY PLAN

Plan Notes

A. REFER TO DRAWING NO. AP050 FOR GENERAL NOTES.

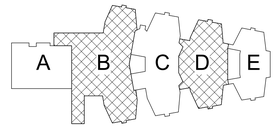
B. REMOVE PLUMBING FIXTURES INDICATED, INCLUDING ASSOCIATED PIPING, FASTENERS, SUPPORTS, ETC., BACK TO POINTS OF CONCEALMENT WITHIN OR BEHIND REMAINING WALLS, BELOW FLOORS OR ABOVE CEILINGS.

C. DISCONNECT SCIENCE SINK INDICATED, INCLUDING ASSOCIATED FAUCETS, PIPING, FASTENERS, SUPPORTS, ETC., BACK TO POINTS OF CONCEALMENT WITHIN OR BEHIND REMAINING WALLS, BELOW FLOORS OR ABOVE CEILINGS.

D. 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.

Plumbing Notes

1. 2" LABORATORY WASTE, 1/2" COLD WATER, 1/2" HOT WATER UP TO SINK ABOVE. SEE 2/ AP405.
2. 2" LABORATORY WASTE, 1/2" TRAP PRIMER, 1 1/4" COLD WATER, 1 1/4" HOT WATER UP TO SAFETY STATION. SEE 2/ AP405.
3. 3" SANITARY WITH "P" TRAP AND TRAP PRIMER CONNECTION UP TO FLOOR DRAIN. SEE 2/ AP405.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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TETRA TECH
ARCHITECTS & ENGINEERS

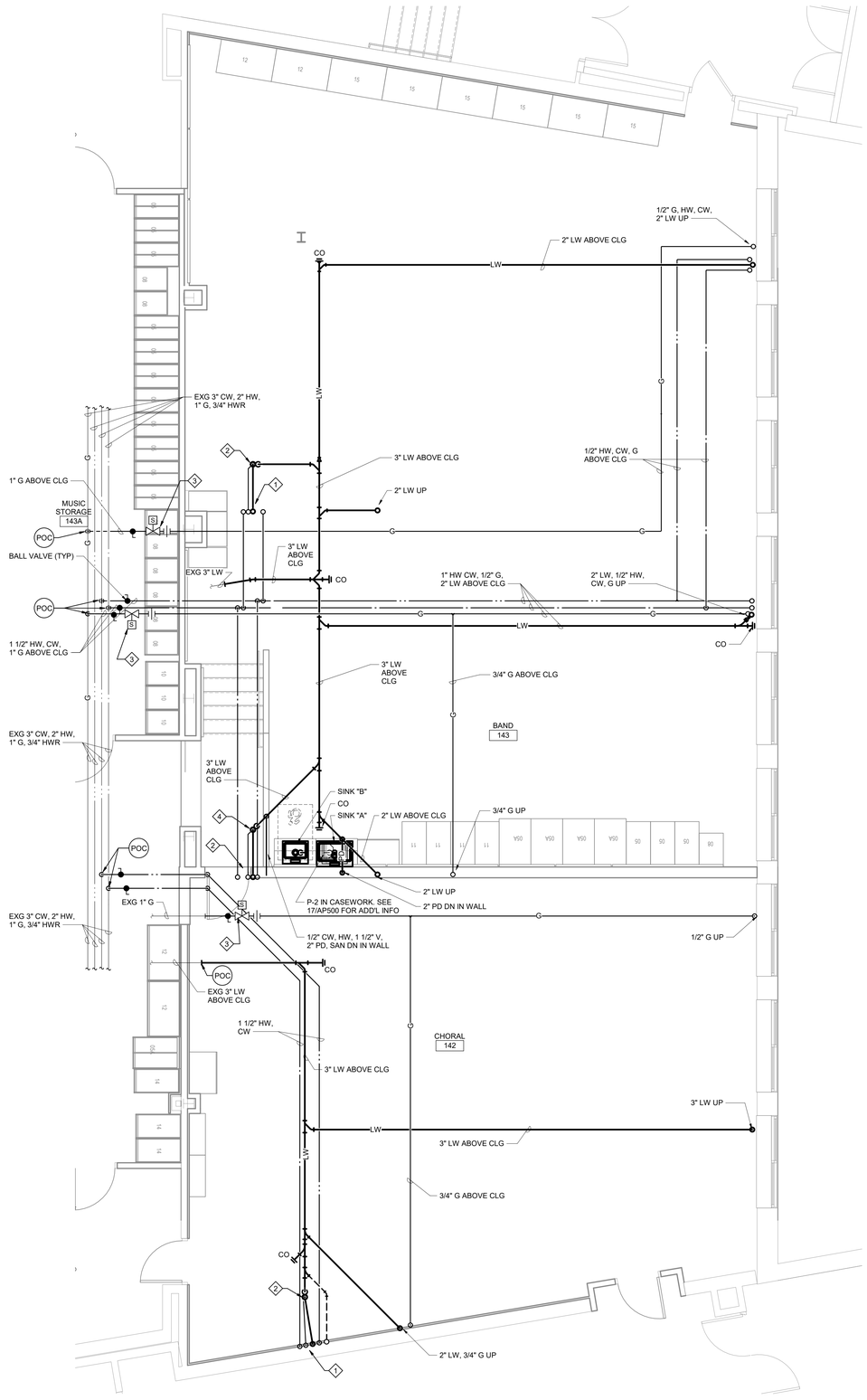
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

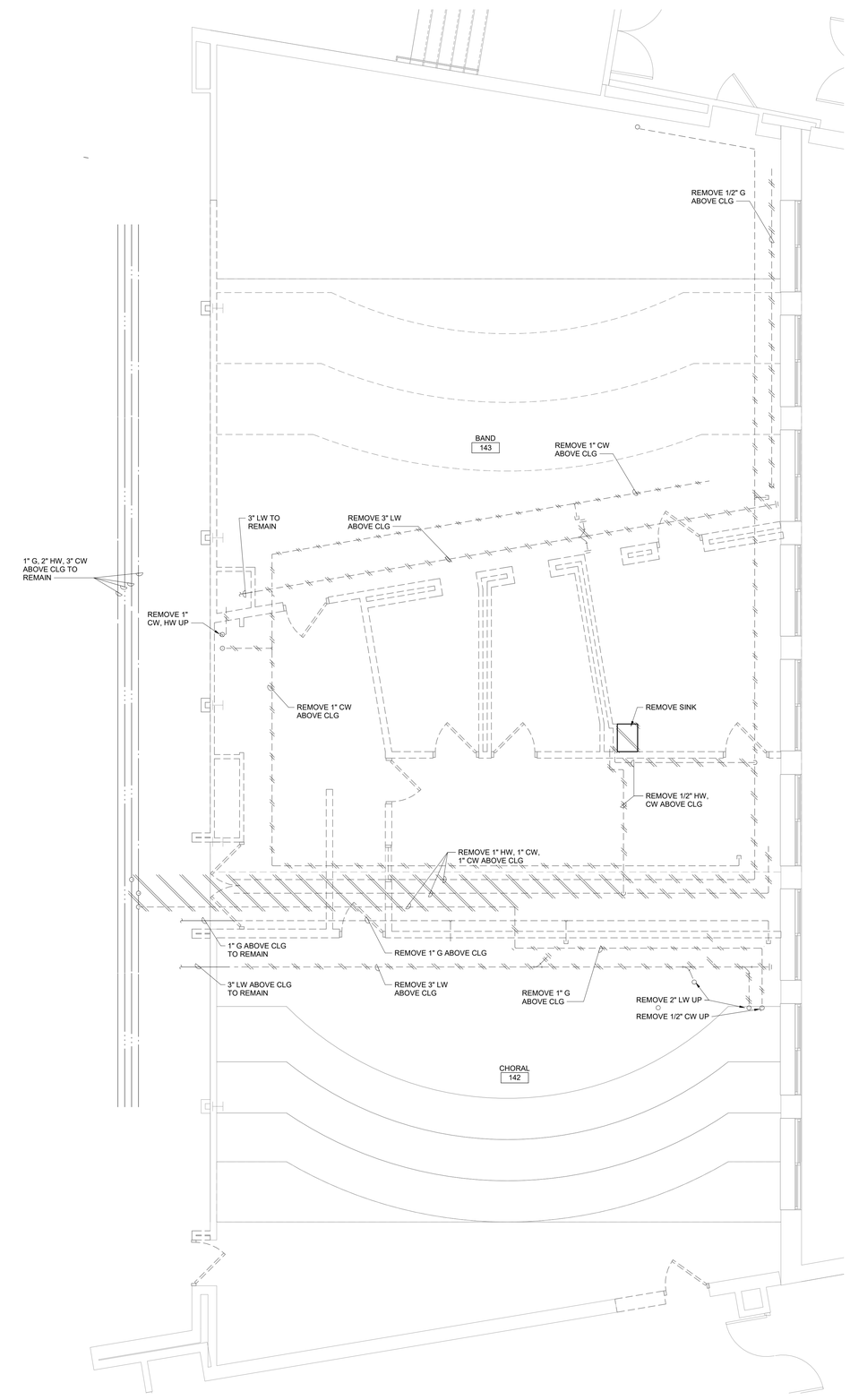
Enlarged 105 Laydown and 106 Office Plans

Drawn By:	Date:	Drawing Number:
DCG/ sef	08/21/20	AP401

Project No.:
121111-19002



2 Enlarged Band and Choral Rooms Plan
1/4" = 1'-0"



1 Enlarged Band and Choral Rooms Demolition Plan
1/4" = 1'-0"

Plan Notes

A. REFER TO DRAWING NO. AP050 FOR GENERAL NOTES.

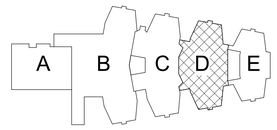
B. REMOVE PLUMBING FIXTURES INDICATED, INCLUDING ASSOCIATED PIPING, FASTENERS, SUPPORTS, ETC., BACK TO POINTS OF CONCEALMENT WITHIN OR BEHIND REMAINING WALLS, BELOW FLOORS OR ABOVE CEILINGS.

C. DISCONNECT SCIENCE SINK INDICATED, INCLUDING ASSOCIATED FAUCETS, PIPING, FASTENERS, SUPPORTS, ETC., BACK TO POINTS OF CONCEALMENT WITHIN OR BEHIND REMAINING WALLS, BELOW FLOORS OR ABOVE CEILINGS.

D. 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.

Plumbing Notes

1. 2" LABORATORY WASTE, 1/2" TRAP PRIMER, 1 1/4" COLD WATER, 1 1/4" HOT WATER UP TO SAFETY STATION. SEE 2/ AP406.
2. 3" LAB WASTE WITH "P" TRAP AND TRAP PRIMER CONNECTION UP TO FLOOR DRAIN. SEE 2/ AP406.
3. SOLENOID VALVE ABOVE CEILING. SEE DETAIL 12/AP500. SEE 2/ AP406.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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TETRA TECH
ARCHITECTS & ENGINEERS

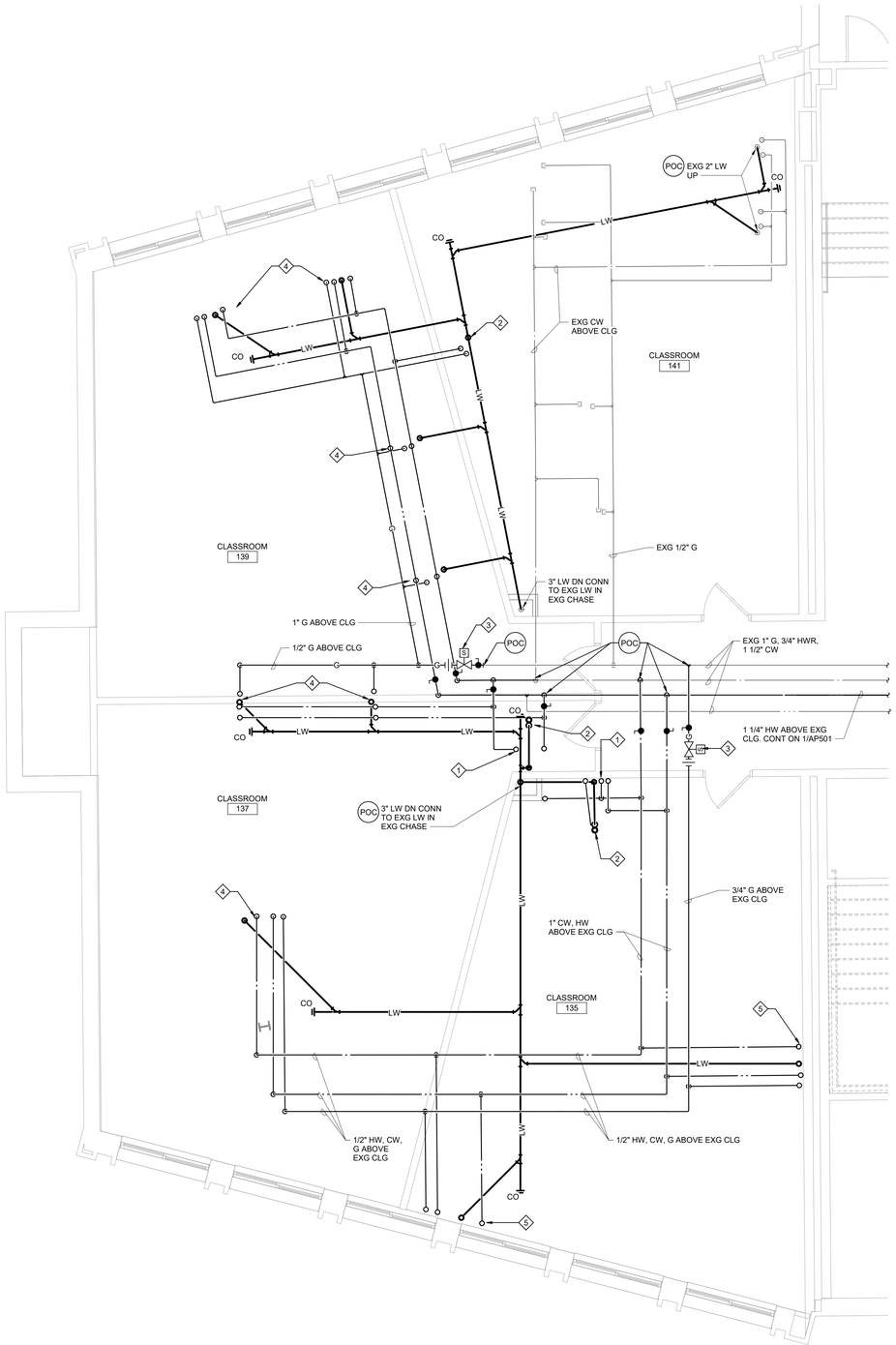
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

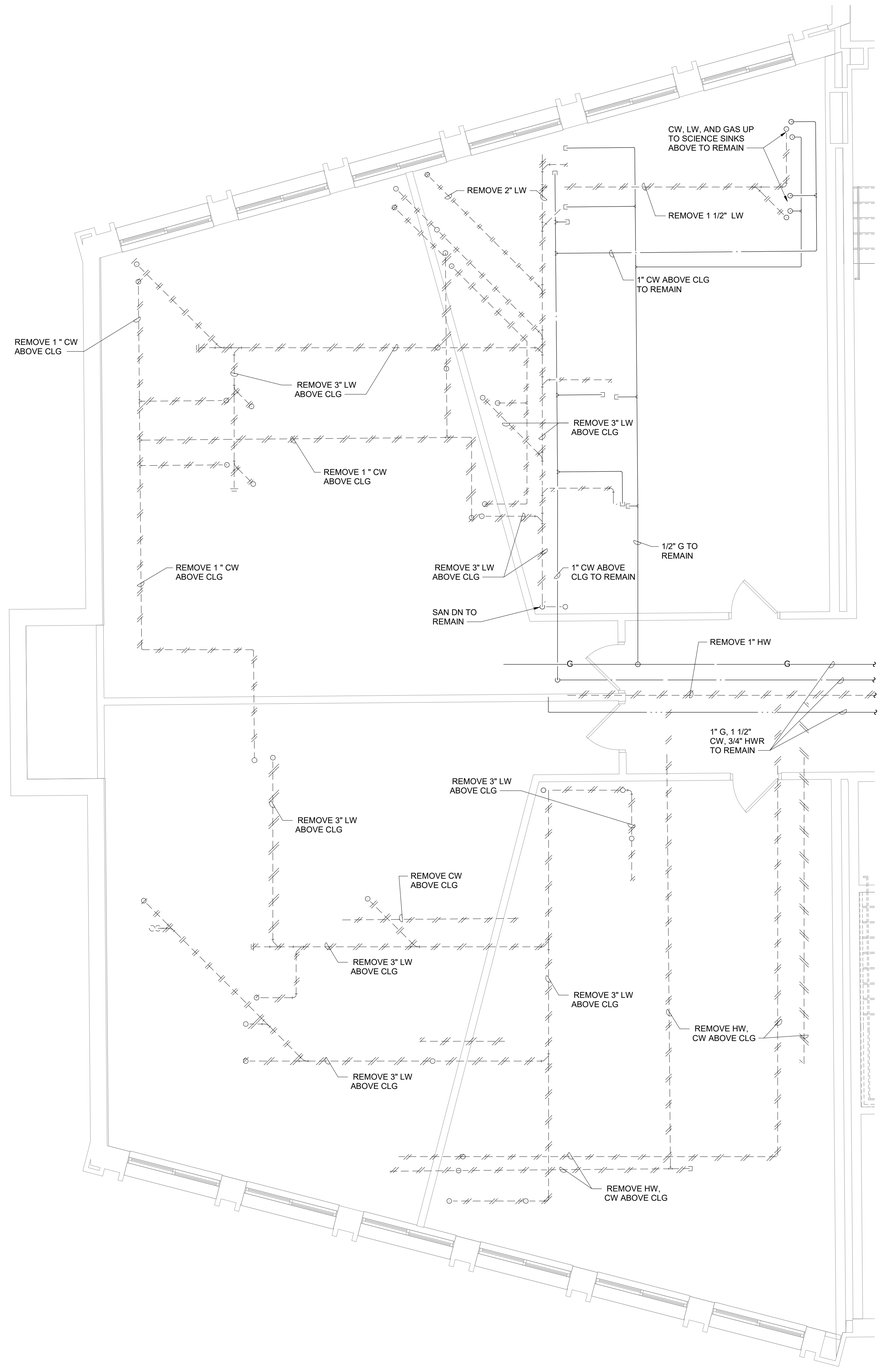
Enlarged Band and Choral Rooms Plans

Drawn By:	Date:	Drawing Number:
DCG/ sef	08/21/20	AP402

Project No.: 121111-19002



2 Enlarged Classrooms 135, 137, 139, 141 Plan
1/4" = 1'-0"
NOTE: VIEW ROTATED FROM KEY PLAN



1 Enlarged Classrooms 135, 137, 139, 141 Demolition Plan
1/4" = 1'-0"
NOTE: VIEW ROTATED FROM KEY PLAN

Plan Notes

A. REFER TO DRAWING NO. AP050 FOR GENERAL NOTES.

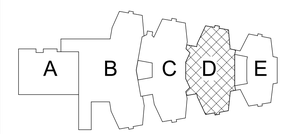
B. REMOVE PLUMBING FIXTURES INDICATED, INCLUDING ASSOCIATED PIPING, FASTENERS, SUPPORTS, ETC., BACK TO POINTS OF CONCEALMENT WITHIN OR BEHIND REMAINING WALLS, BELOW FLOORS OR ABOVE CEILINGS.

C. DISCONNECT SCIENCE SINK INDICATED, INCLUDING ASSOCIATED FAUCETS, PIPING, FASTENERS, SUPPORTS, ETC., BACK TO POINTS OF CONCEALMENT WITHIN OR BEHIND REMAINING WALLS, BELOW FLOORS OR ABOVE CEILINGS.

D. 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.

Plumbing Notes

1. 2" LABORATORY WASTE, 1/2" TRAP PRIMER, 1 1/4" COLD WATER, 1 1/4" HOT WATER UP TO SAFETY STATION. SEE 2/ AP407.
2. 3" LAB WASTE WITH "P" TRAP AND TRAP PRIMER CONNECTION UP TO FLOOR DRAIN. SEE 2/ AP407.
3. SOLENOID VALVE ABOVE CEILING. SEE DETAIL 12/AP500.
4. 2" LABORATORY WASTE, 1/2" COLD WATER, 1/2" HOT WATER, 1/2" GAS UP TO SINK ABOVE. SEE 2/ AP407.
5. 2" LABORATORY WASTE, 1" COLD WATER, 1" HOT WATER, 3/4" GAS UP TO CASEWORK CHASE ABOVE. SEE 2/ AP407.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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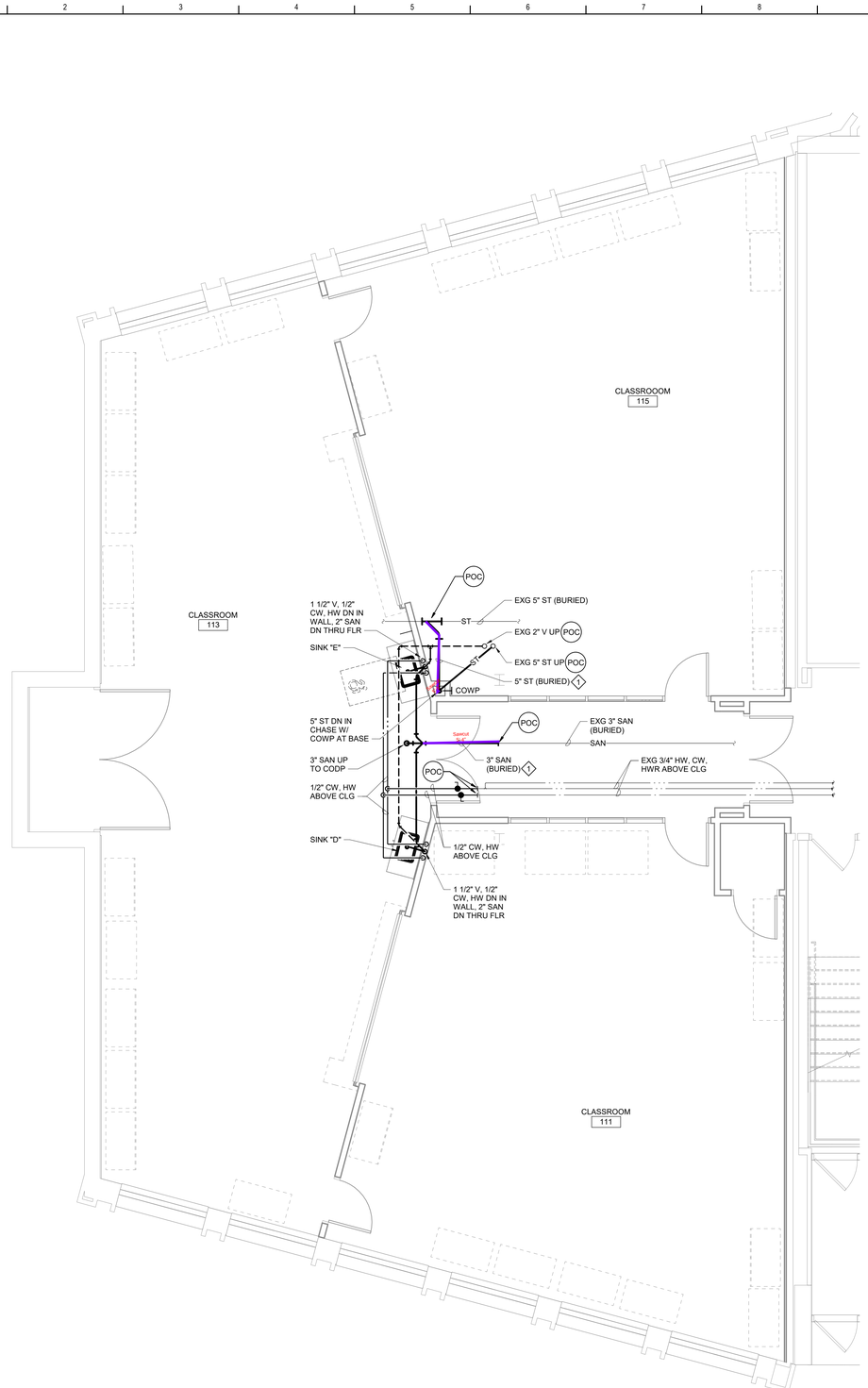
TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

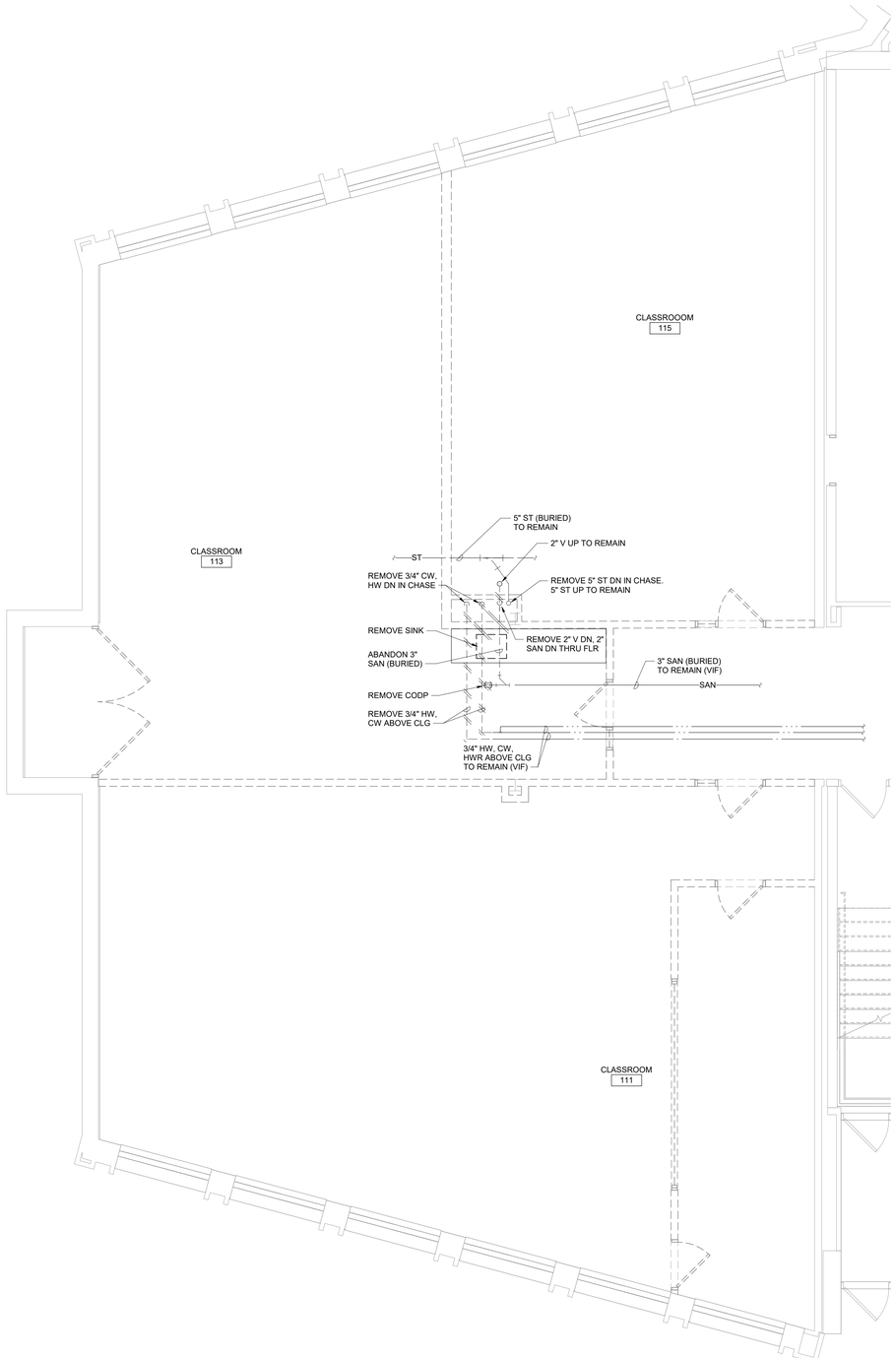
Reconstruction To:
Mahopac High School

Enlarged Classrooms 135, 137, 139 and 141 Plans

Drawn By:	Date:	Drawing Number:
DCG/ sef	08/21/20	AP403
Project No.: 121111-19002		



2 Enlarged Classrooms 111, 113 and 115 Plan
1/4" = 1'-0"
NOTE: VIEW ROTATED FROM KEY PLAN



1 Enlarged Classrooms 111, 113 and 115 Demolition Plan
1/4" = 1'-0"
NOTE: VIEW ROTATED FROM KEY PLAN

Plan Notes

A. REFER TO DRAWING NO. AP050 FOR GENERAL NOTES.

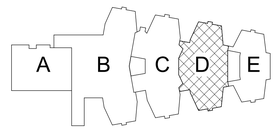
B. REMOVE PLUMBING FIXTURES INDICATED, INCLUDING ASSOCIATED PIPING, FASTENERS, SUPPORTS, ETC., BACK TO POINTS OF CONCEALMENT WITHIN OR BEHIND REMAINING WALLS, BELOW FLOORS OR ABOVE CEILINGS.

C. DISCONNECT SCIENCE SINK INDICATED, INCLUDING ASSOCIATED FAUCETS, PIPING, FASTENERS, SUPPORTS, ETC., BACK TO POINTS OF CONCEALMENT WITHIN OR BEHIND REMAINING WALLS, BELOW FLOORS OR ABOVE CEILINGS.

D. 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.

Plumbing Notes

1 SAWCUT AND PATCH FLOOR. SEE 2/AP500 FOR ADDITIONAL INFORMATION. REFER TO "A" DRAWINGS FOR FLOOR FINISH REPLACEMENT.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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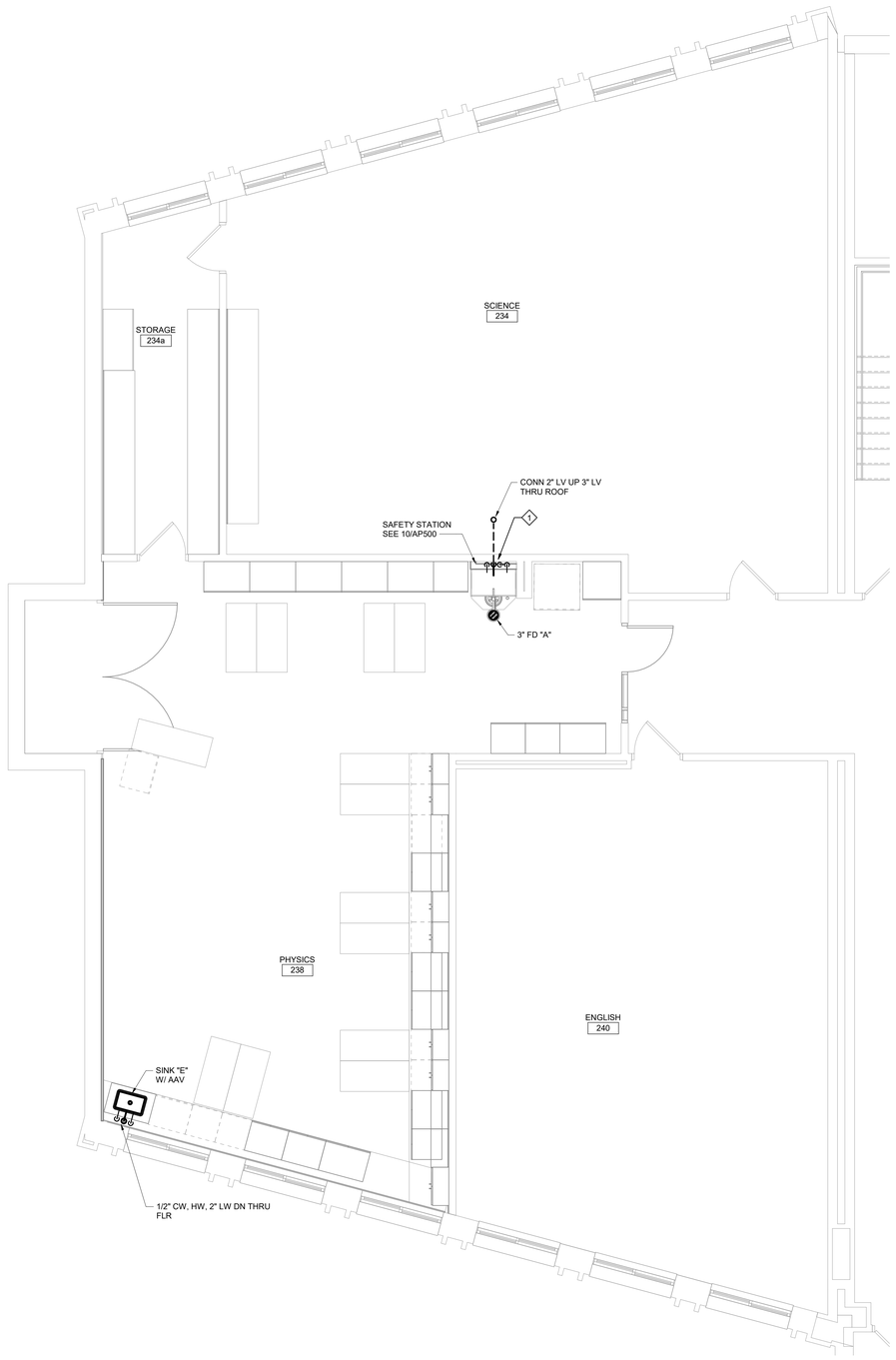
TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

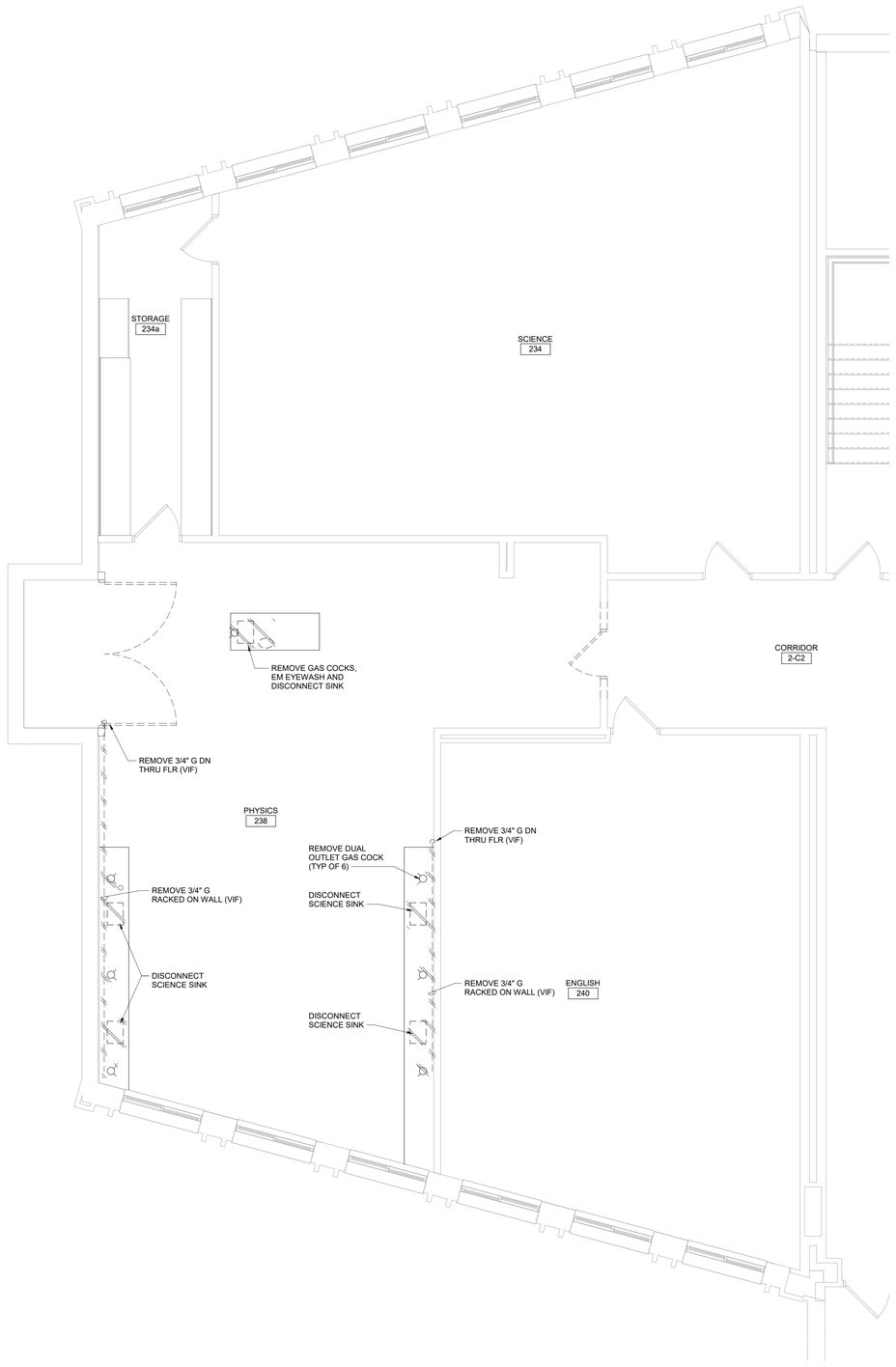
Reconstruction To:
Mahopac High School

Enlarged Classrooms 111, 113 and 115 Plans

Drawn By:	Date:	Drawing Number:
DCG/ sef	08/21/20	AP404
Project No.: 121111-19002		



2 Enlarged Science 234 and Physics 238 Plan
1/4" = 1'-0"
NOTE: VIEW ROTATED FROM KEY PLAN



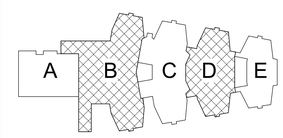
1 Enlarged Science 234 and Physics 238 Demolition Plan
1/4" = 1'-0"
NOTE: VIEW ROTATED FROM KEY PLAN

Plan Notes

A. REFER TO DRAWING NO. AP050 FOR GENERAL NOTES.

Plumbing Notes

1 1/2" LABORATORY VENT DOWN IN WALL. 1 1/4" COLD WATER, HOT WATER, 2" LABORATORY WASTE, 1/2" TRAP PRIMER DOWN THROUGH FLOOR TO FLOOR DRAIN.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

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TETRA TECH
ARCHITECTS & ENGINEERS

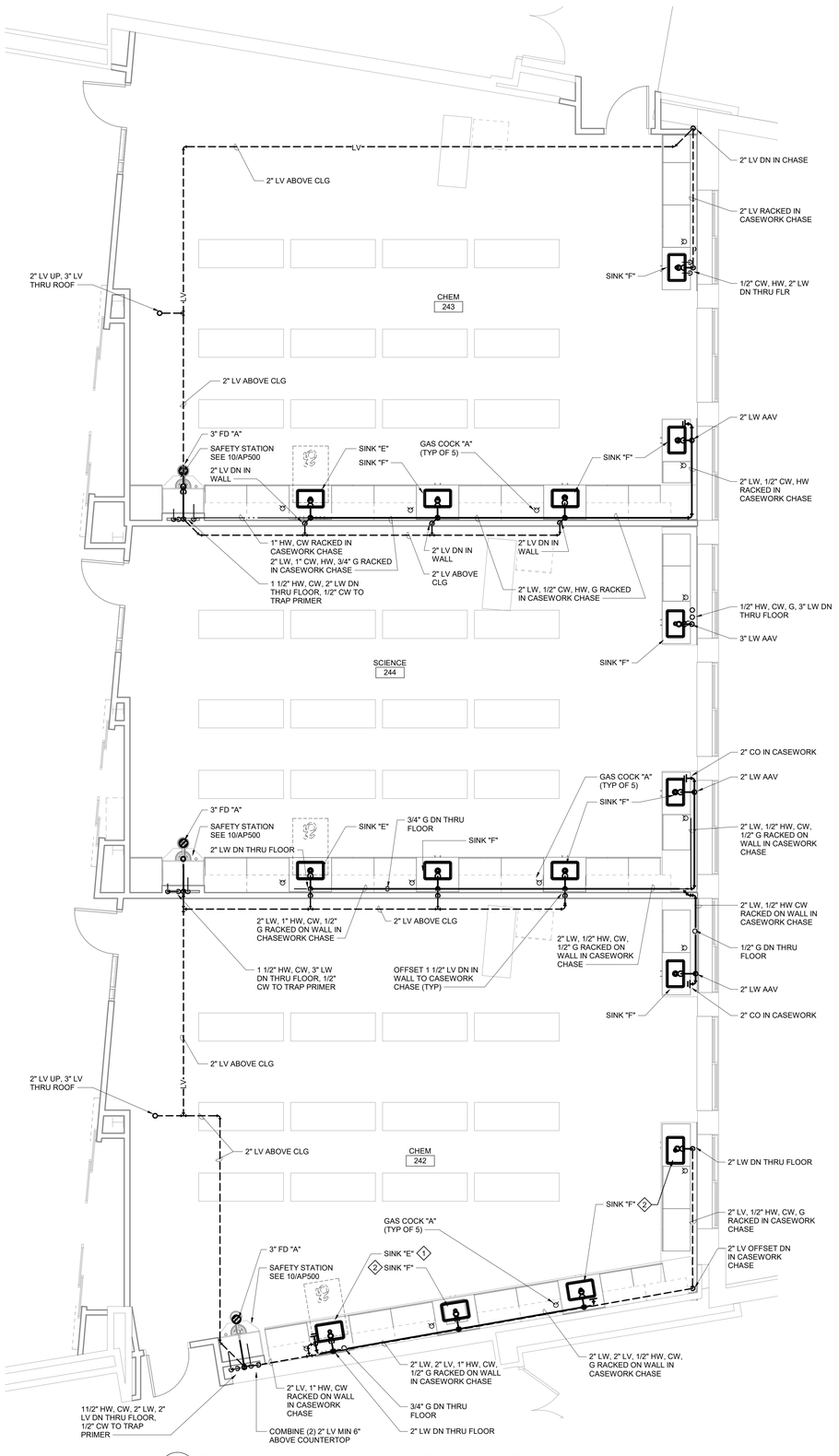
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

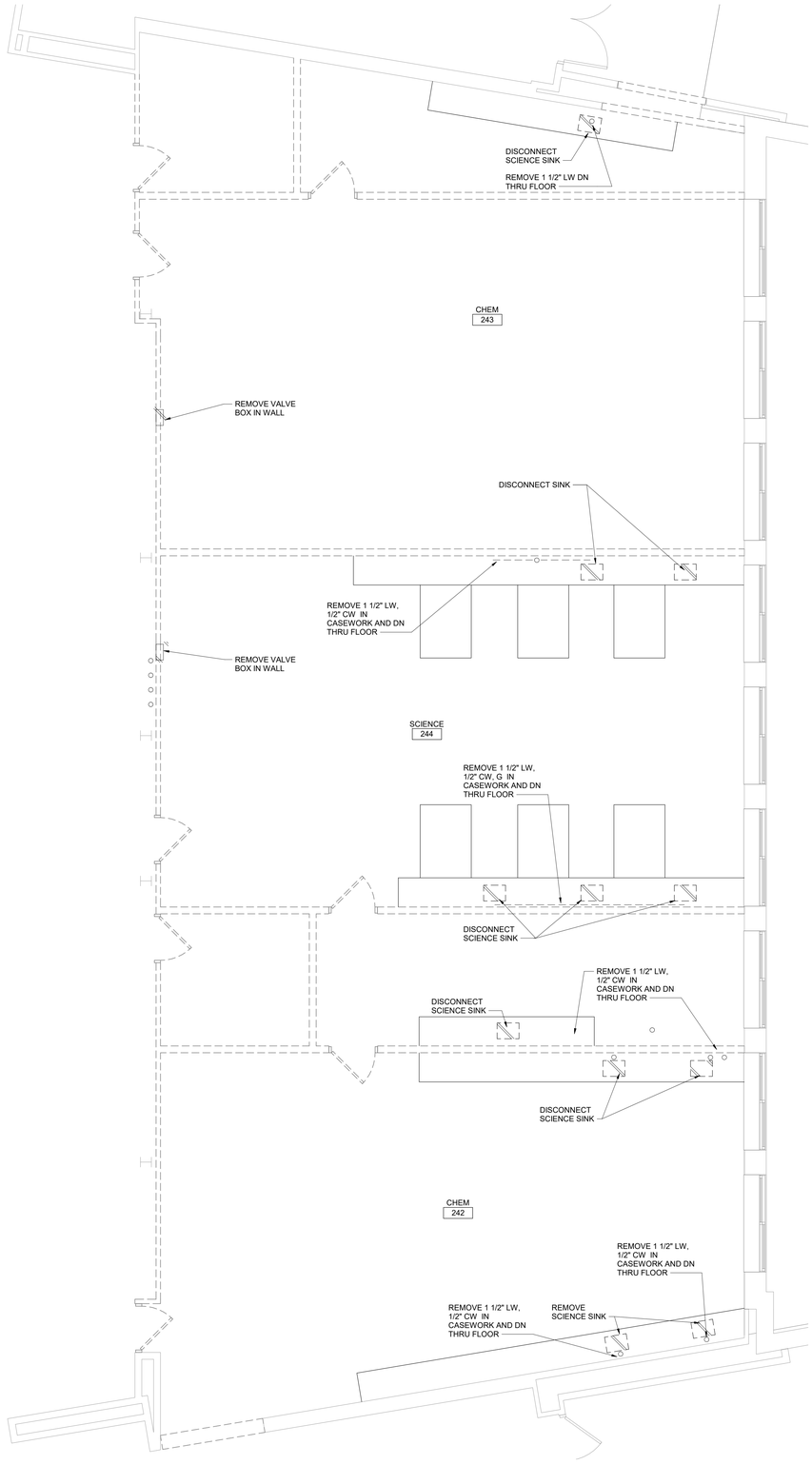
Enlarged Science 234 and Physics 238 Plans

Drawn By:	Date:	Drawing Number:
DCG/ sef	08/21/20	AP405

Project No.:
121111-19002



2 Enlarged Chemistry 242, 243 and Science 244 Plan
1/4" = 1'-0"



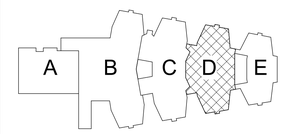
1 Enlarged Chemistry 242, 243 and Science 244 Demolition Plan
1/4" = 1'-0"

Plan Notes

A. REFER TO DRAWING NO. AP050 FOR GENERAL NOTES.

Plumbing Notes

1. REFER TO DETAIL 11/ AP500 FOR ADDITIONAL INFORMATION.
2. REFER TO DETAIL 10/ AP500 FOR ADDITIONAL INFORMATION.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

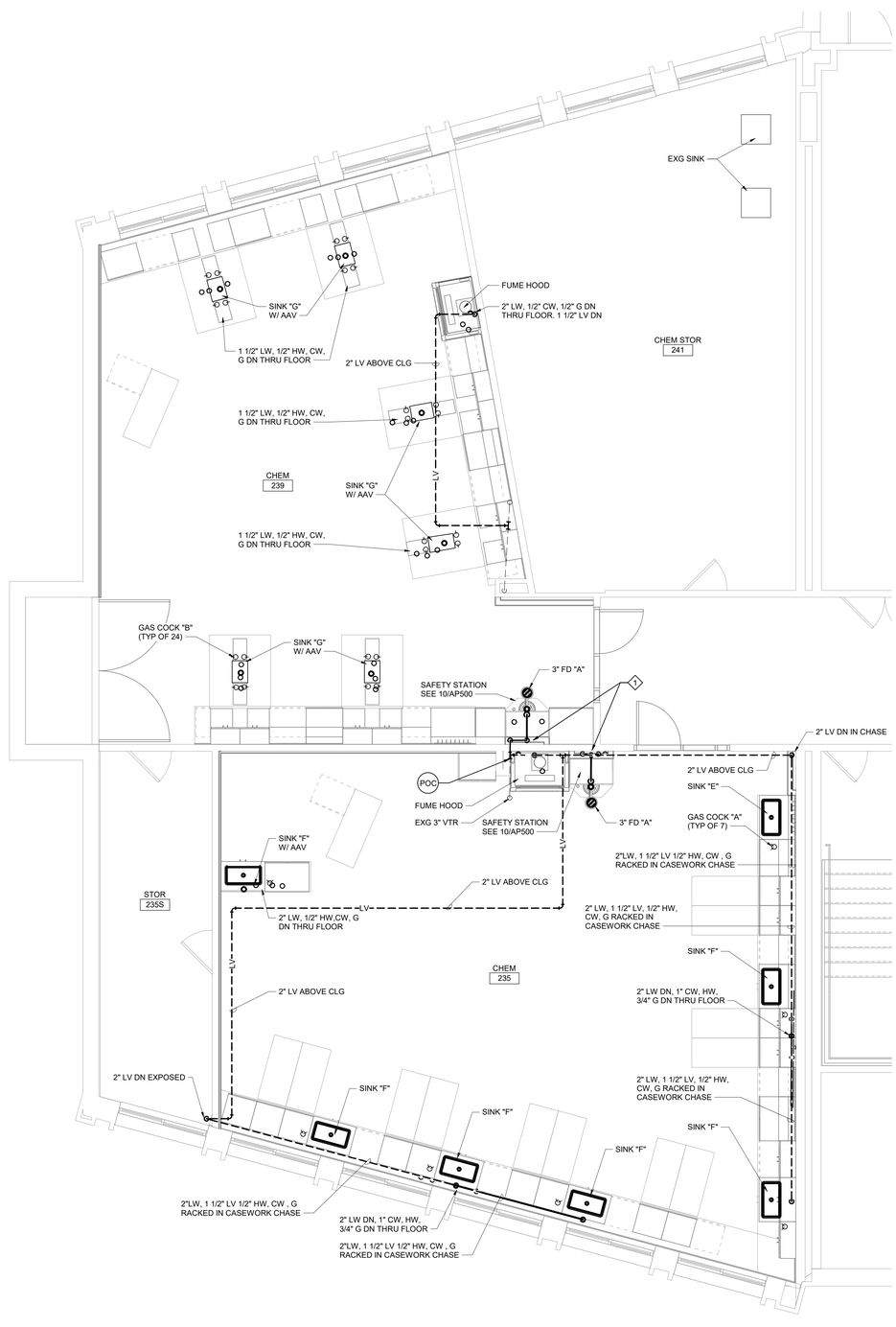
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Enlarged Chemistry 242, 243 and Science 244 Plans

Drawn By:	Date:	Drawing Number:
DCG/ sef	08/21/20	AP406

Project No.: 121111-19002



2 Enlarged Chemistry 235, 239 and 241 Plan
1/4" = 1'-0" NOTE: VIEW ROTATED FROM KEY PLAN

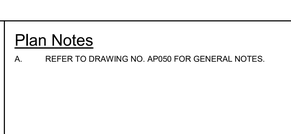
1 Enlarged Chemistry 235, 239 and 241 Demolition Plan
1/4" = 1'-0" NOTE: VIEW ROTATED FROM KEY PLAN

Plan Notes

A. REFER TO DRAWING NO. AP050 FOR GENERAL NOTES.

Plumbing Notes

1 1 1/2" LABORATORY VENT DOWN IN WALL. 1 1/4" COLD WATER, HOT WATER, 2" LABORATORY WASTE, 1/2" TRAP PRIMER DOWN THROUGH FLOOR TO FLOOR DRAIN.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

BID SET

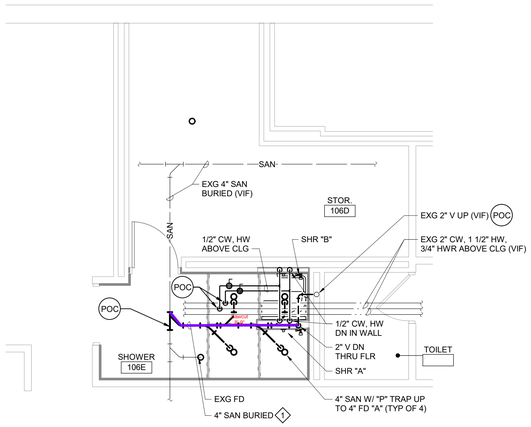
TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

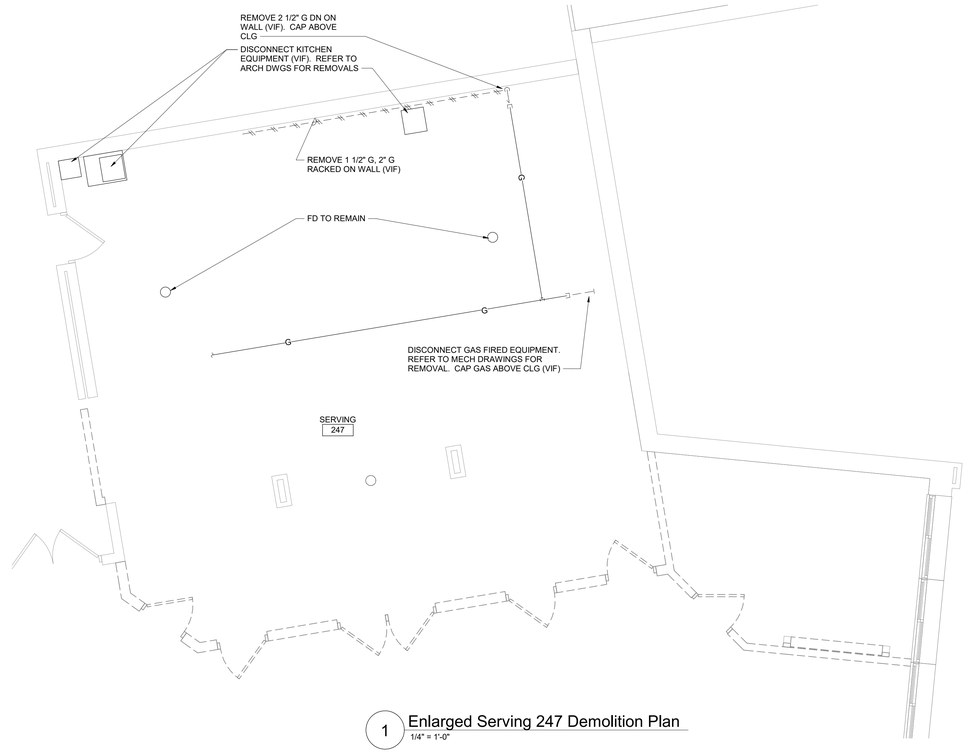
Reconstruction To:
Mahopac High School

Enlarged Chemistry 235, 239 and 241 Plan

Drawn By:	Date:	Drawing Number:
DCG/ sef	08/21/20	AP407
Project No.: 121111-19002		



3 Shower 106E Plan
1/4" = 1'-0"



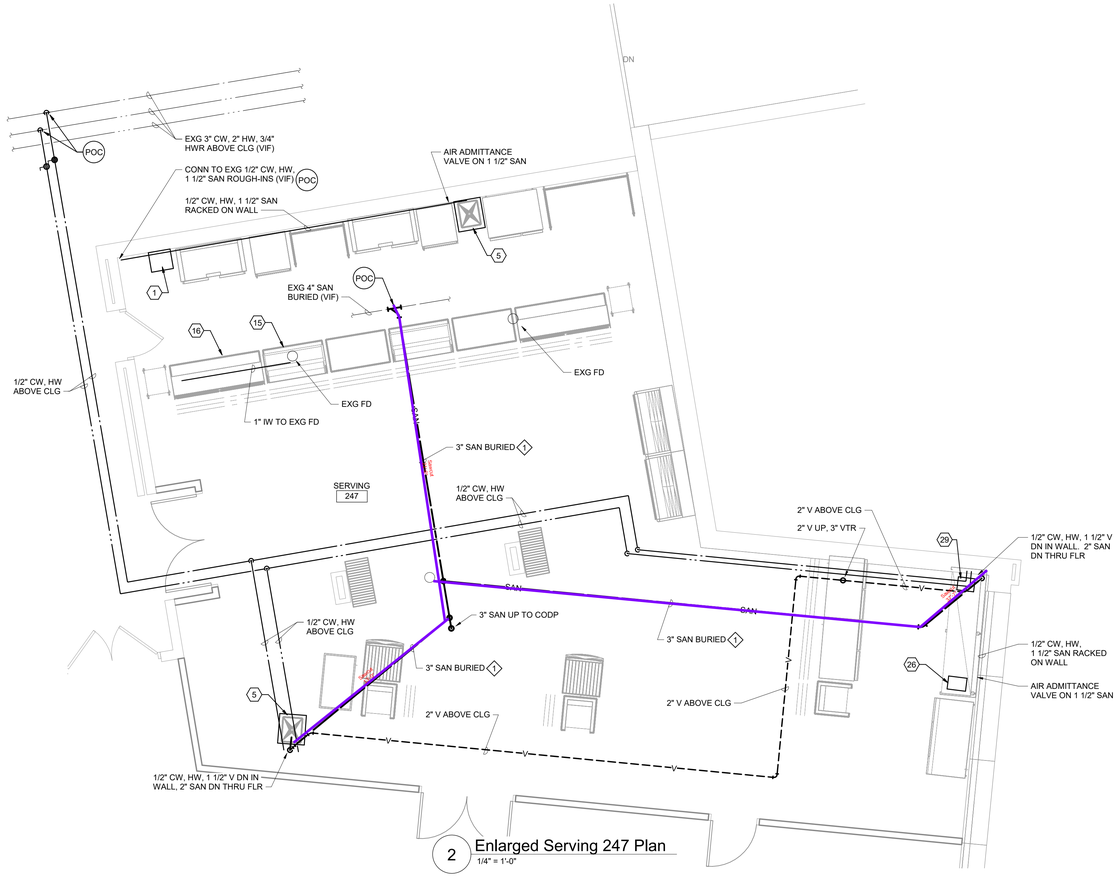
1 Enlarged Serving 247 Demolition Plan
1/4" = 1'-0"

Kitchen Equipment Connection Schedule

ITEM NUMBER	DESCRIPTION	ROUGH-IN CONNECTION SIZE (INCHES)				NOTES
		CW	HW	WASTE	VENT	
1	HAND SINK	1/2	1/2	1 1/2	1 1/2	-
5	UTILITY SINK	1/2	1/2	1 1/2	1 1/2	-
15	COLD FOOD COUNTER	-	-	1 1/2	-	1
16	HOT FOOD COUNTER	-	-	1 1/2	-	1
26	BACK COUNTER WITH SINK	1/2	1/2	1 1/2	1 1/2	-
29	HAND SINK	1/2	1/2	1 1/2	1 1/2	-

NOTES:

1. INDIRECT WASTE TO FLOOR DRAIN OR FLOOR SINK. SEE DETAIL 16/AP500.



2 Enlarged Serving 247 Plan
1/4" = 1'-0"

Plan Notes

A. REFER TO DRAWING NO. AP050 FOR GENERAL NOTES.

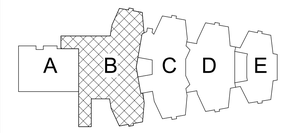
B. REMOVE PLUMBING FIXTURES INDICATED, INCLUDING ASSOCIATED PIPING, FASTENERS, SUPPORTS, ETC., BACK TO POINTS OF CONCEALMENT WITHIN OR BEHIND REMAINING WALLS, BELOW FLOORS OR ABOVE CEILINGS.

C. DISCONNECT SCIENCE SINK INDICATED, INCLUDING ASSOCIATED FAUCETS, PIPING, FASTENERS, SUPPORTS, ETC., BACK TO POINTS OF CONCEALMENT WITHIN OR BEHIND REMAINING WALLS, BELOW FLOORS OR ABOVE CEILINGS.

D. 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.

Plumbing Notes

1 SAWCUT AND PATCH FLOOR. SEE 2/AP500 FOR ADDITIONAL INFORMATION. REFER TO "A" DRAWINGS FOR FLOOR FINISH REPLACEMENT.



Key Plan
N.T.S.

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

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TETRA TECH
ARCHITECTS & ENGINEERS

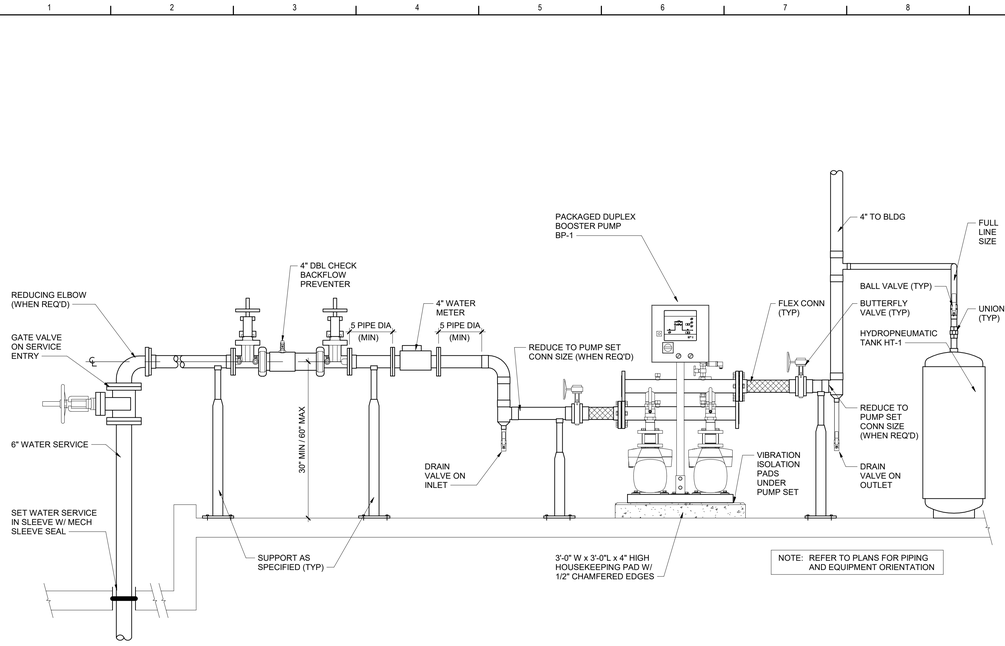
Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

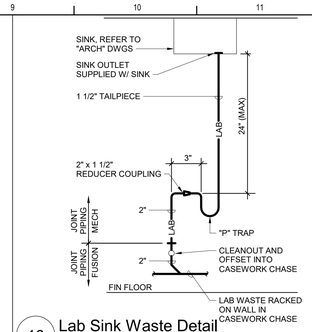
Enlarged Serving Line Plans and Schedule

Drawn By:	Date:	Drawing Number:
DCG/ sef	08/21/20	AP408

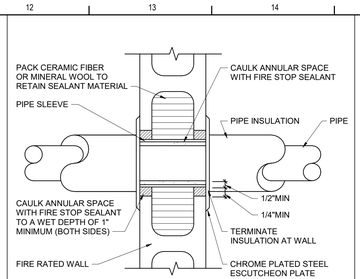
Project No.: 121111-19002



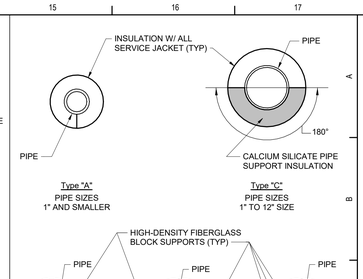
15 Duplex Booster Pump System Schematic
NTS



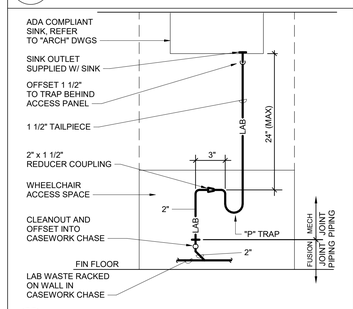
10 Lab Sink Waste Detail
NTS



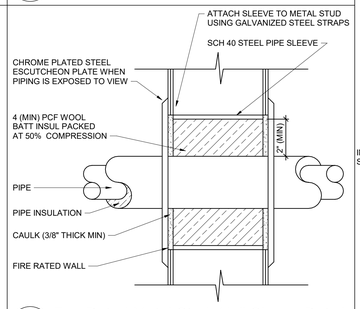
5 Fire Rated CMU Wall Pipe Sleeve Detail
NTS



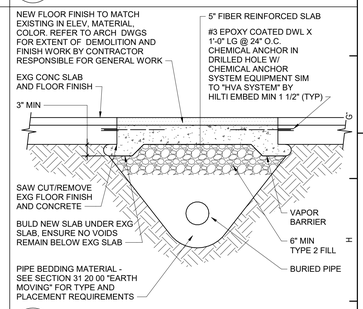
1 Insulated Piping Support Assemblies
NTS



11 Accessible Lab Sink Waste Detail
NTS



6 Fire Rated Metal Stud Wall Sleeve Detail
NTS



2 Trenching Below Existing Slab Detail
NTS

18 Indirect Waste Air Gap Detail
NTS

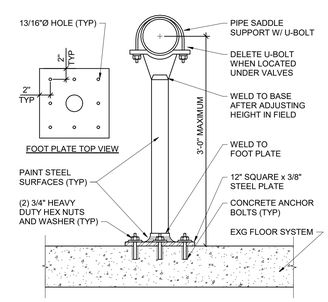
16 Safety Center Rough-in Schematic
NTS

12 Gas Solenoid Valve Control
NTS

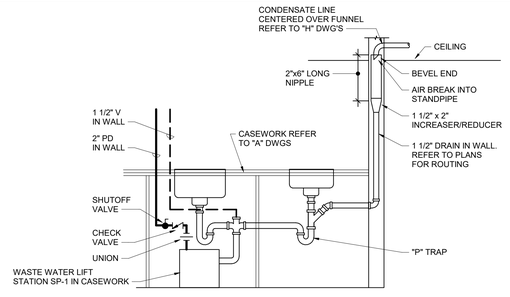
221823-03d

7 Existing Floor Penetration Detail
NTS

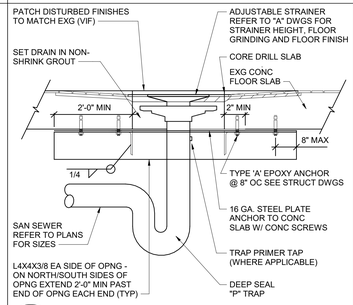
4 Condensate Connection Detail
NTS



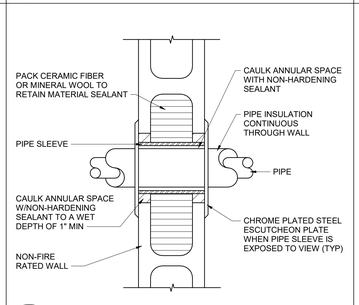
19 Pipe Stand Detail
NTS



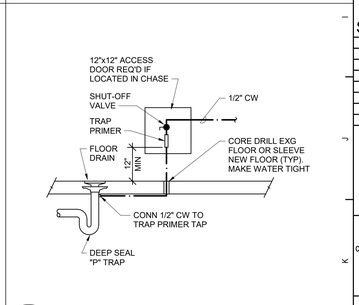
17 SP-1 Sink Pump Detail
NTS



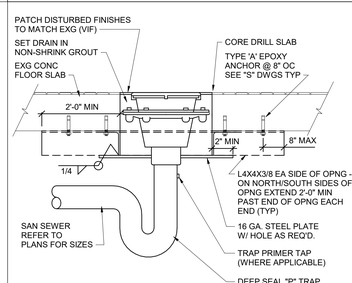
13 Floor Drain in Existing Slab Detail
NTS



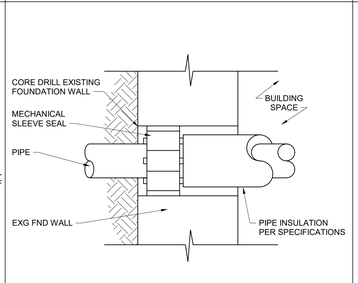
8 CMU Wall Pipe Sleeve Detail
NTS



3 Trap Primer Detail
NTS



14 Floor Sink in Existing Slab Detail
NTS



9 Existing Foundation Penetration Detail
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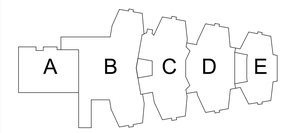

Key Plan
N.T.S.

N

S.E.D. Control No. 48-01-01-06-0-004-020

Rev. No.:	Date:	Description:

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

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Details

Drawn By:	Date:	Drawing Number:
DCG/ sef	08/21/20	AP500

Project No.:
121111-19002

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.	
SINK "B"	1 1/2	1 1/2	1/2	1/2	NO	ADULT	-	LARGE STAINLESS STEEL, DEEP BOWL, COUNTER MOUNTED SINK W/ MANUAL, SINGLE CONTROL MIXING FAUCET W/ SWING SPOUT, SUPPLIES, DRAIN FITTING AND TRAP.	
SINK "C"	1 1/2	1 1/2	1/2	1/2	YES	ADULT	-	ACCESSIBLE STAINLESS STEEL, DOUBLE BOWL, COUNTER MOUNTED SINK W/ MANUAL, SINGLE CONTROL MIXING FAUCET W/ SWING SPOUT, SUPPLIES, OFFSET DRAIN FITTINGS, CONTINUOUS WASTE FITTING AND TRAP.	
SINK "D"	1 1/2	1 1/2	1/2	1/2	YES	ADULT	-	EPOXY RESIN SINK W/ MANUAL, TWO LEVER HANDLE CONTROL MIXING FAUCET W/ RESTRICTED SWING SPOUT, SUPPLIES, PP SINK OUTLET FITTING AND TRAP.	1
SINK "E"	1 1/2	1 1/2	1/2	1/2	YES	ADULT	-	EPOXY RESIN SINK W/ MANUAL, MANUAL TYPE, SINGLE HOLE, WRIST-BLADE-HANDLE MIXING VALVE SCIENCE SINK FAUCET, SUPPLIES, PP SINK OUTLET FITTING AND CORROSION RESISTANT TRAP.	1, 2, 4
SINK "F"	1 1/2	1 1/2	1/2	1/2	NO	ADULT	-	EPOXY RESIN SINK W/ MANUAL, MANUAL TYPE, SINGLE HOLE, TWO-CROSS-HANDLE MIXING VALVE SCIENCE SINK FAUCET, SUPPLIES, PP SINK OUTLET FITTING AND CORROSION RESISTANT TRAP.	1, 3, 4
SINK "G"	1 1/2	1 1/2	(2)1/2	(2) 1/2	NO	ADULT	-	EPOXY RESIN SINK W/ MANUAL, TWO MANUAL TYPE, SINGLE HOLE, TWO-CROSS-HANDLE MIXING VALVE SCIENCE SINK FAUCETS, SUPPLIES, PP SINK OUTLET FITTING AND CORROSION RESISTANT TRAP.	1, 3, 4
SHR "A"	-	-	1/2	1/2	NO	ADULT	-	RECESSED SHOWER CABINET WITH SHOWER VALVE, SEVERE SERVICE HEAD, AND VANDAL RESISTANT SCREWS.	
SHR "B"	-	-	1/2	1/2	YES	ADULT	-	ACCESSIBLE, RECESSED SHOWER CABINET WITH SHOWER VALVE, SEVERE SERVICE HEAD, VANDAL RESISTANT SCREWS WITH VALVE ON LEFT/ SEAT ON RIGHT.	
FD "A"	4	2	-	-	-	-	-	MEDIUM DUTY, CAST-IRON FLOOR DRAIN WITH 7" DIAMETER NICKEL BRONZE STRAINER, DEEP-SEAL P-TRAP AND TRAP SEAL PRIMER CONNECTION.	
FD "B"	4	2	-	-	-	-	-	PLASTIC BODY WITH 6-INCH TOP DIAMETER STRAINER, WITH FLASHING FLANGE, TRAP-PRIMER CONNECTION AND DEEP-SEAL P-TRAP.	4
TRAP PRIMER	-	-	1/2	-	-	-	-	MEDIUM DUTY, CAST-IRON FLOOR DRAIN WITH 7" DIAMETER NICKEL BRONZE STRAINER, DEEP-SEAL P-TRAP AND TRAP SEAL PRIMER CONNECTION.	
SAFETY STATION	2	-	1 1/2	1 1/2	YES	-	-	EMERGENCY SHOWER AND EYEWASH COMBINATION UNIT.	1, 4, 5, 7
EMERGENCY EYEWASH	1 1/2	1 1/2	1 1/2	1 1/2	NO	ADULT	-	STANDARD, WALL-MOUNTED, PLUMBED EYEWASH UNIT.	
FUME HOOD	1 1/2	1 1/2	1/2	-	YES	-	-	FUME HOOD.	1, 4, 6
GAS COCK "A"	-	-	-	-	NO	-	-	DUPLEX GAS COCKS AT 90° APART WITH INTEGRAL BALL CHECKS.	
GAS COCK "B"	-	-	-	-	NO	-	-	SINGLE GAS COCK WITH INTEGRAL BALL CHECKS.	

NOTES:
1. REFER TO SECTION 12 32 13 "MANUFACTURED WOOD-VENEER-FACED CASEWORK" FOR EPOXY RESIN SINKS.
2. REFER TO DETAIL 11/AP500 FOR ADDITIONAL INFORMATION.
3. REFER TO DETAIL 10/AP500 FOR ADDITIONAL INFORMATION.
4. PROVIDE LAB WASTE AND VENT PIPE AND FITTINGS.
5. REFER TO SECTION 12 32 13 "MANUFACTURED WOOD-VENEER-FACED CASEWORK" FOR SAFETY STATIONS.
6. REFER TO SECTION 12 32 13 "MANUFACTURED WOOD-VENEER-FACED CASEWORK" FOR FUME HOODS.
7. REFER TO DETAIL 16/AP500 FOR ADDITIONAL INFORMATION.

Sanitary Sewerage Pump Schedule

DWG LABEL	LOCATION	TOTAL CAPACITY		TOTAL DYNAMIC HEAD	MAX CONT OPERATING TEMP	INLET / OUTLET SIZE	PUMP SPEED	HORSE POWER	FULL LOAD AMPS	VOLTAGE	PHASE	HERTZ	NOTES
		BASIN	GPM	FEET	°F	NPS	RPM						
SP-1	BAND 143	4 GAL	20	15	104	1 1/2	3450	1/3	5.2	115	SINGLE	60	1

NOTES:
1. PACKAGED WASTEWATER-PUMP UNIT.

Domestic Water Booster Pump Schedule

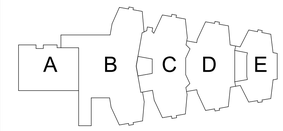
DWG LABEL	LOCATION	DESIGN MAKE AND MODEL	TOTAL CAPACITY	TOTAL DYNAMIC HEAD	MAX CONT OPERATING TEMP	INLET / OUTLET SIZE	RPM	HORSE POWER	FULL LOAD AMPS	VOLTAGE	PHASE	HERTZ	NOTES
			GPM	FEET	°F	NPS							
BP-1	STORAGE ROOM	GRUNDFOS HYDRO MULTI-B/E 2 CME15-2	150	92.4	104	3	3450	5	26.8	208	3	60	1, 2

NOTES:
1. PACKAGED DUPLEX BOOSTER PUMP SYSTEM WITH VARIABLE FREQUENCY DRIVES AND DUPLEX CONTROL PANEL MOUNTED ON A SKID.
2. EACH PUMP SIZED FOR 75% OF TOTAL SYSTEM CAPACITY.

Hydropneumatic Tank Schedule

DRAWING LABEL	LOCATION	MAKE AND MODEL NUMBER	TOTAL STORAGE CAPACITY (GALLONS)	MAXIMUM ACCEPTANCE VOLUME - GALLONS	WATER SERVICE PRESSURE (PSI)	MAXIMUM ALLOWABLE PRESSURE (PSI)	DIAMETER (INCHES)	HEIGHT (INCHES)	CONNECTION (NPT)	NOTES
HT-1	PUMP HOUSE	JOHN WOOD NO. JAPR 20-605	35	39.7	60	150	14	55 1/2	1	1, 2

NOTES:
1. REPLACEABLE BUTYL BLADDER (FDA APPROVED).
2. ASME CONSTRUCTION.



Key Plan
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Rev. No.:	Date:	Description:

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BID SET

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

TETRA TECH
ARCHITECTS & ENGINEERS

Mahopac Central School District
Mahopac, NY

Reconstruction To:
Mahopac High School

Schedules

Drawn By:	Date:	Drawing Number:
DCG/ sef	08/21/20	AP600

Project No.:
121111-19002