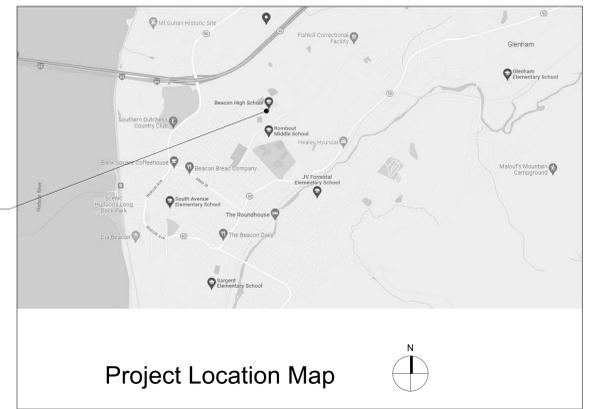


# Reconstruction to: Beacon High School

13-02-00-01-0-020-013

BEACON HIGH SCHOOL



Beacon City School District  
Beacon, NY

## Drawing List

### GENERAL

- G001 Title Sheet
- G100 Symbols and Abbreviations

### Beacon High School

#### CODE COMPLIANCE

- FG350 Code Compliance Review
- FG351 Code Compliance First Floor Plan
- FG352 Code Compliance 2nd Floor Plan

#### CIVIL

- FC100 Site Demolition and Layout Plans and Site Details

#### MECHANICAL

- FM050 First Floor Key Plan
- FM100 First Floor, Roof and Yard Demolition Plan
- FM130 Boiler Room and Equipment Yard - Piping Plan
- FM200 Hot and Chilled Water Boiler Room Piping Schematics
- FM500 Details
- FM600 Schedules and Controls

#### ELECTRICAL

- FE050 First Floor Key Plan
- FE100 First Floor and Yard Demolition Plan
- FE160 First Floor Power Plan
- FE500 Details

Drawn By: TTAE	Date: 03/28/2025	Drawing Number: <b>AA130</b>
Project No.: 279180-24002.1		
BUILDING DESIGNATOR	DISCIPLINE DESIGNATOR	SHEET TYPE DESIGNATOR
SHEET SEQUENCE DESIGNATOR		



**TETRA TECH**  
ARCHITECTS & ENGINEERS

Architecture Engineering Planning  
& High Performance Facilities

Volume 1 of 1

Set No.

BID SET

279180-24002.1  
03/28/2025

Drawing Number:  
**G001**



**Structural Loads**

**A. ROOF LIVE LOADS PER BCNYS 1607.13**  
 MINIMUM ROOF LIVE LOAD 20 PSF

**B. RAIN LOADS PER BCNYS 1611**  
 RAIN INTENSITY, I 2.75IN/HR  
 RAIN LOAD, R 16 PSF

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

**C. SNOW LOADS PER BCNYS 1608**  
 GROUND SNOW, P<sub>g</sub> (FIGURE 1608.2) 30 PSF  
 FLAT ROOF SNOW LOAD, P<sub>f</sub> (ASCE 7) 25.2 PSF  
 SNOW EXPOSURE FACTOR, C<sub>e</sub> 1.0  
 THERMAL FACTOR 1.0  
 SLOPE FACTOR, C 1.0  
 SNOW LOAD IMPORTANCE FACTOR, I<sub>s</sub> 1.2

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 DESIGN WIND SPEED (3 SECOND GUST), V 126 MPH  
 ALLOWABLE STRESS DESIGN WIND SPEED, V<sub>all</sub> 97.6MPF  
 RISK CATEGORY IV  
 EXPOSURE CATEGORY B  
 INTERNAL PRESSURE COEFFICIENT, GCP +/- 0.18

**E. SEISMIC DESIGN CRITERIA PER BCNYS 1613**  
 RISK CATEGORY IV  
 SEISMIC IMPORTANCE FACTOR, I<sub>s</sub> 1.50  
 MAPPED SPECTRAL RESPONSE ACCELERATION AT SHORT PERIODS, S<sub>s</sub> 23.3%g  
 AT 1 SECOND PERIODS, S<sub>1</sub> 9.1%g  
 SEISMIC DESIGN CATEGORY C

**F. SPECIAL LOADS PER BCNYS 1603.1.8**  
 MECHANICAL EQUIPMENT DEAD LOADS  
 CHILLER - 1 10000 LB  
 CHILLER - 2 10000 LB

**Code Compliance Review**

**PROJECT LOCATION:**  
 101 MATTEAWAN RD, BEACON, NY 12508  
 BOUNDED BY MATTEAWAN RD TO THE SOUTH

**PROJECT DESCRIPTION:**  
 THIS PROJECT INCLUDES RENOVATION OF APPROXIMATELY 3,752 SF OF MECHANICAL SPACE ON THE FIRST FLOOR OF BEACON HIGH SCHOOL. EXISTING EXTERIOR CHILLERS, INTERIOR BOILERS, AND PUMPS ARE AT THE END OF THEIR USEFUL LIFE. THESE WILL BE REPLACED WITH NEW AIR COOLED CHILLERS, HIGH EFFICIENCY BOILERS, PUMPS, AND ASSOCIATED PIPING AND ELECTRICAL FEEDS. EXTERIOR BURIED PIPING TO BE DISCONNECTED AND ABANDONED IN PLACE. EXISTING FENCINGS AND EXTERIOR STRUCTURAL CONCRETE SLAB TO BE EXTENDED TO SUPPORT NEW LARGER CHILLERS.

**WORK GENERALLY CONSISTS OF THE FOLLOWING:**  
 ALTERATIONS - LEVEL 2

- REMOVE THE DECOMMISSIONED UNIVERSAL BOILER WORKS, BOILER AND THE SMITH BOILER (AERCO BOILERS TO REMAIN)
- REPLACE WITH (2) TWO 2-MILLION BTU HIGH EFFICIENCY BOILERS.
- REMOVE EXISTING PUMPS AND PROVIDE NEW ENERGY-EFFICIENT LAYOUT AND ASSOCIATED PUMPS.
- REPLACE 100-TON AND 400-TON CHILLERS WITH (2) TWO 175-TON AIR COOLED CHILLERS IN EXISTING MECHANICAL YARD.
- REMOVE OUTDOOR HEAT REJECTION EQUIPMENT (ONE FLUID COOLER AND TWO COOLING TOWERS) AND ASSOCIATED CONDENSER PIPING AND PUMPS.
- DISCONNECT AND ABANDON EXISTING BURIED PIPING.
- REMOVE EXISTING PUMPS AND PROVIDE NEW ENERGY-EFFICIENT LAYOUT AND ASSOCIATED PUMPS.
- ASSOCIATED ELECTRICAL
- NEW STRUCTURAL SLAB TO SUPPORT CHILLERS
- EXTENSION OF EXISTING SITE FENCING

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

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

**BUILDING DATA:**  
 BUILDING: BEACON HIGH SCHOOL  
 101 MATTEAWAN RD,  
 BEACON, NY 12508

DESCRIPTION: TWO STORY MASONRY AND REINFORCED CONCRETE BUILDING.

YEAR BUILT: 2002 COMPLETION

BUILDING AREA: 1ST FLOOR 152,300 SQFT  
 2ND FLOOR 55,700 SQFT  
 TOTAL GROSS AREA= 208,000 SQFT

**CODE DATA SUMMARY:**  
 USE GROUP: E : EDUCATION  
 CONSTRUCTION TYPE -  
 EXISTING: IIB  
 FIRE SAFETY: NOT SPRINKLERED

WORK AREA:

LOCATION	AREA	% OF TOTAL
1ST FLOOR	3,752 SQFT	2.4%

**PATH OF CODE COMPLIANCE:**  
 2018 IBC CODES AND 2020 EXISTING BUILDING CODE OF NYS  
 301.1.2 WORK AREA COMPLIANCE METHOD

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

**General Code Notes**

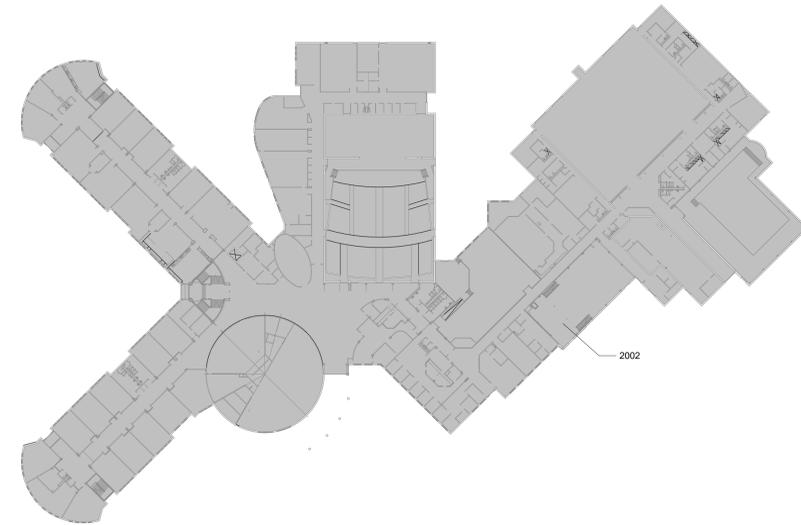
A. REFER TO CODE COMPLIANCE DRAWINGS FOR ADDITIONAL CODE COMPLIANCE INFORMATION.

B. AT AREAS OF PROJECT WORK, COMPLETELY SEAL ALL PENETRATIONS REQUIRED TO COMPLY WITH FIRE RESISTANCE RATINGS IDENTIFIED ON FG351 AND FG352. REGARDLESS IF WALL IS NEW OR EXISTING, TYPICAL UNLESS NOTED OTHERWISE.

C. 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.
- 2-HOUR FIRE WALL
  - 2-HOUR FIRE BARRIER
  - 1-HOUR FIRE BARRIER
  - 1-HOUR FIRE PARTITION
  - SMOKE PARTITION
  - EXISTING FIRE EXTINGUISHER LOCATION
  - AUTOMATED EXTERNAL DEFIBRILLATOR (AED)
  - RESCUE WINDOW
  - ALTERATION LEVEL 2 WORK AREA
  - FIRE HOSE CABINET



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

**UL DESIGN NUMBERS:**

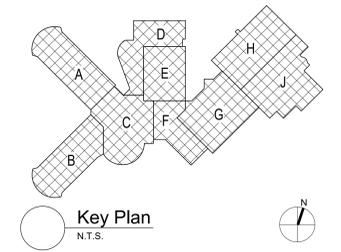
BEAMS	UL# S721
BAR JOISTS	UL# D902
COMPOSITE SLAB	UL# D902
COLUMNS	UL# X528
1 HR. STUD PARTITIONS	UL# U465
1 HR. BLOCK PARTITIONS	UL# U905
2 HR. BLOCK PARTITIONS	UL# U905

**RESCUE LABEL / SIGNAGE NOTES:**

1. REFER TO PLANS FOR RESCUE WINDOW LOCATIONS.

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.



Key Plan  
 N.T.S.

S.E.D. Control No. 13-02-00-01-0-020-013

Rev. No.	Date	Description



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**BID SET**

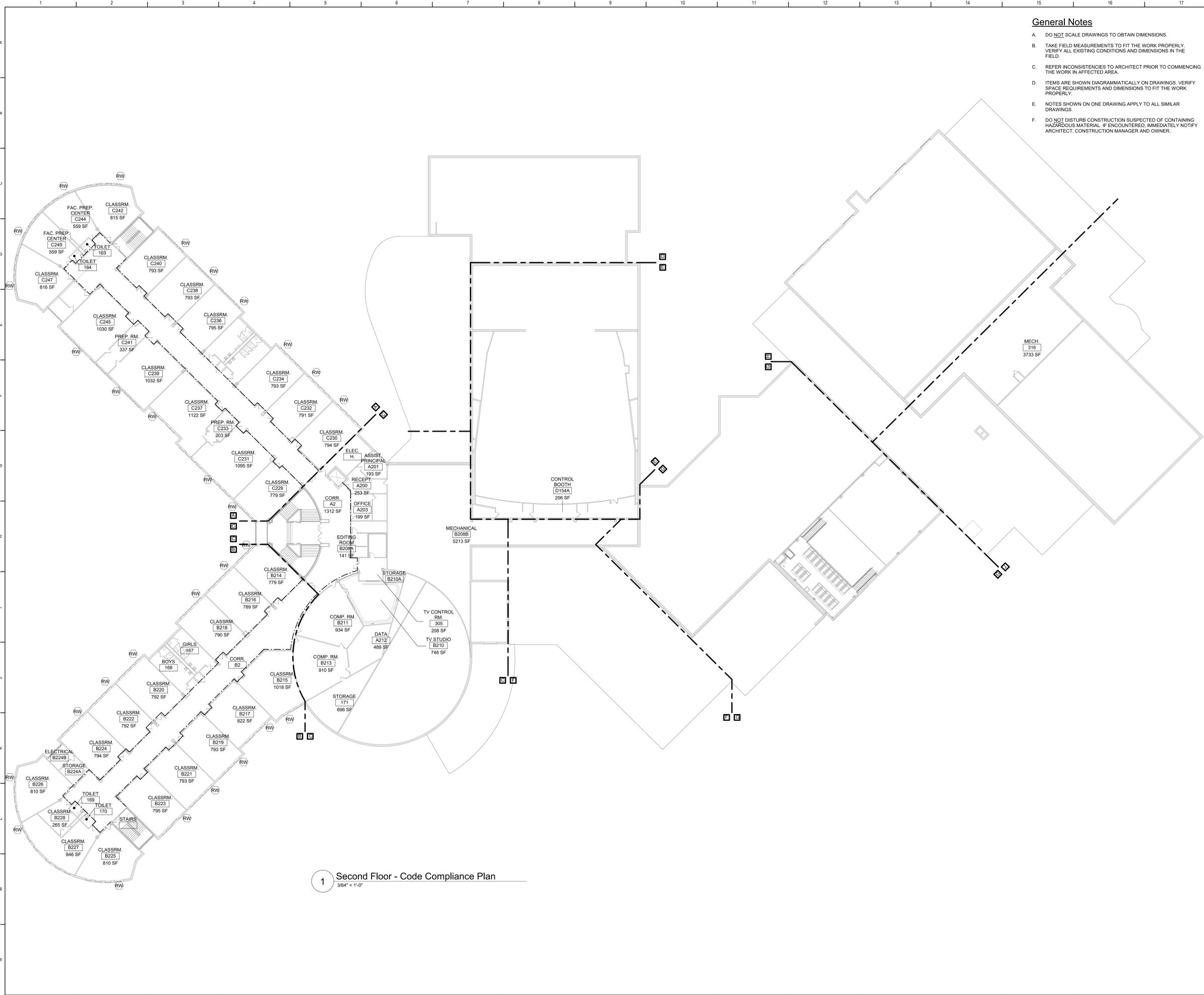


Beacon City School District  
 Beacon, NY

Reconstruction to:  
 Beacon High School

Code Compliance Review

Drawn By: ACB	Date: 03/28/2025	Drawing Number:
Project No.: 279180-24002.1	FG350	



**General Notes**

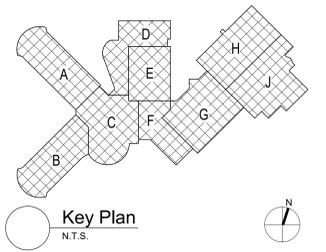
- A. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS.
- B. TAKE FIELD MEASUREMENTS TO FIT THE WORK PROPERLY. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD.
- C. REFER INCONSISTENCIES TO ARCHITECT PRIOR TO COMMENCING THE WORK IN AFFECTED AREA.
- D. ITEMS ARE SHOWN DIAGMATICALLY ON DRAWINGS. VERIFY SPACE REQUIREMENTS AND DIMENSIONS TO FIT THE WORK PROPERLY.
- E. NOTES SHOWN ON ONE DRAWING APPLY TO ALL SIMILAR DRAWINGS.
- F. DO NOT DISTURB CONSTRUCTION SUSPECTED OF CONTAINING HAZARDOUS MATERIAL. IF ENCOUNTERED, IMMEDIATELY NOTIFY ARCHITECT, CONSTRUCTION MANAGER AND OWNER.

**General Code Notes**

- A. REFER TO CODE COMPLIANCE DRAWINGS FOR ADDITIONAL CODE COMPLIANCE INFORMATION.
- B. AT AREAS OF PROJECT WORK, COMPLETELY SEAL ALL PENETRATIONS REQUIRED TO COMPLY WITH FIRE RESISTANCE RATINGS IDENTIFIED ON FG351 AND FG352, REGARDLESS IF WALL IS NEW OR EXISTING. TYPICAL UNLESS NOTED OTHERWISE.
- C. 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.
- 2-HOUR FIRE WALL
- 2-HOUR FIRE BARRIER
- 1-HOUR FIRE BARRIER
- 1-HOUR FIRE PARTITION
- SMOKE PARTITION
- EXISTING FIRE EXTINGUISHER LOCATION
- AUTOMATED EXTERNAL DEFIBRILLATOR (AED)
- RESCUE WINDOW
- ALTERATION LEVEL 2 WORK AREA
- FIRE HOSE CABINET



S.E.D. Control No. 13-02-00-01-0-020-013

Rev. No.	Date	Description



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Beacon City School District  
Beacon, NY

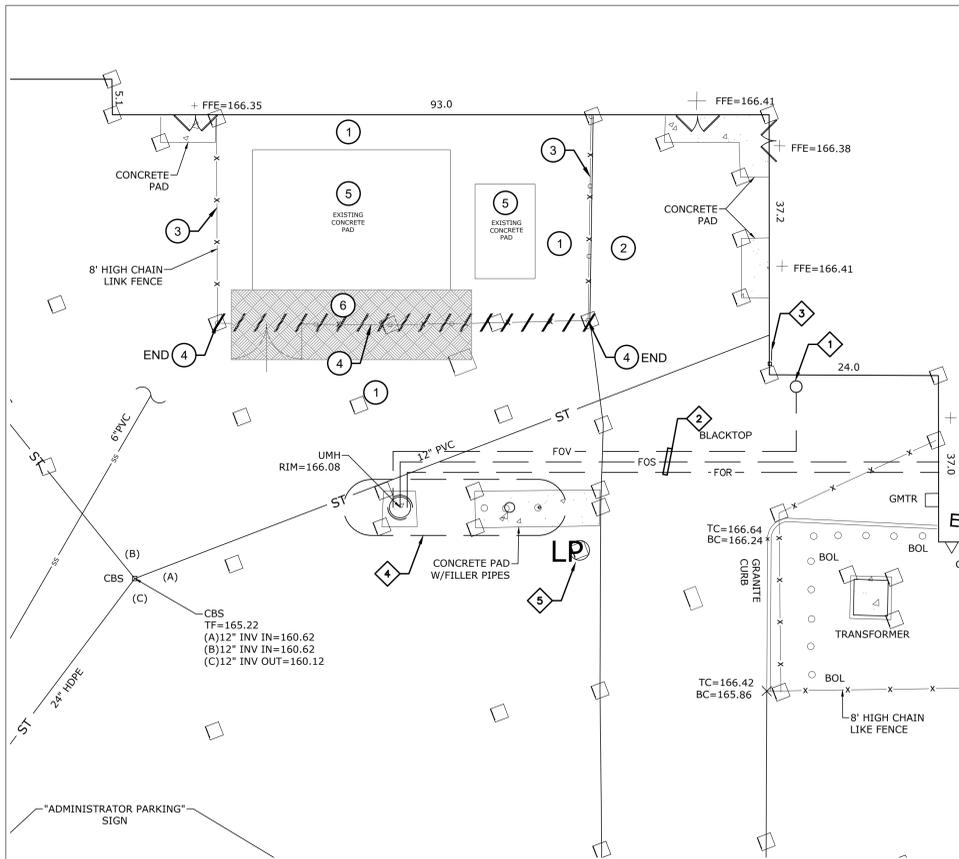
Reconstruction to:  
Beacon High School

Code Compliance 2nd Floor Plan

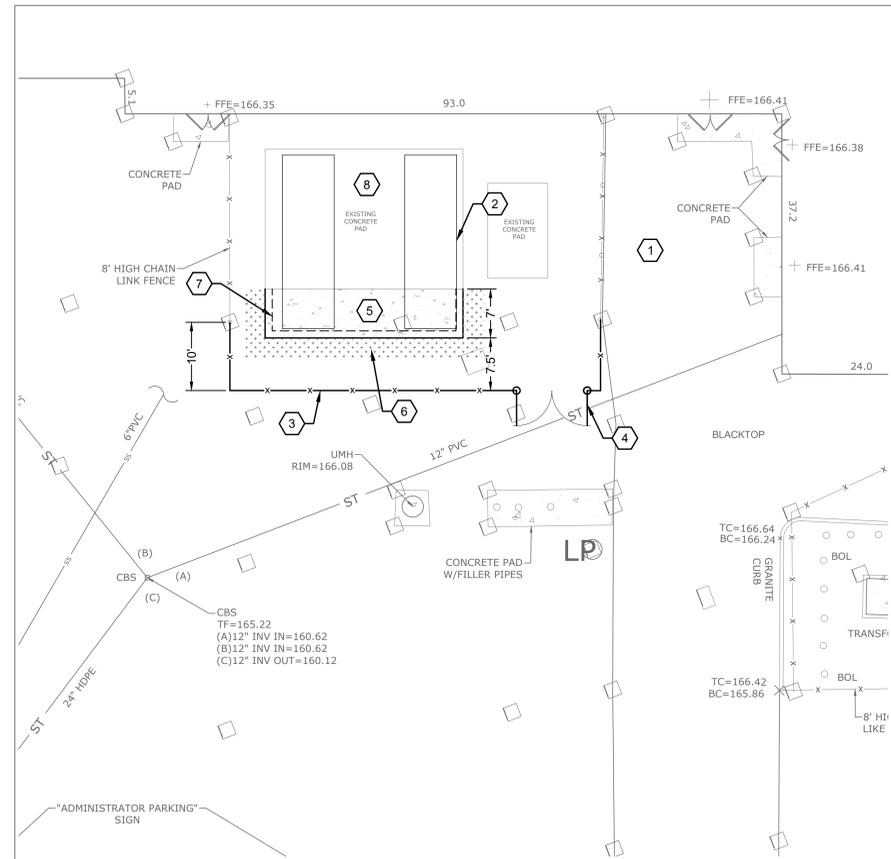
Drawn By: ACB	Date: 03/28/2025	Drawing Number:
Project No.:	279180-24002.1	
		FG352

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

**BID SET**



2 Site Demolition Plan  
1" = 10'



1 Site Layout Plan  
1" = 10'

Site Preparation/Demolition General Notes

- THESE GENERAL SITE / PREPARATION / DEMOLITION NOTES REFER TO C-SERIES DRAWINGS.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- EXISTING ON-SITE UTILITIES SHALL REMAIN UNLESS DESIGNATED FOR REMOVAL. PROTECT ALL EXISTING UTILITIES TO REMAIN.
- 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.
- 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.
- CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATIONS, INCLUDING, BUT NOT LIMITED TO, UTILITIES, STORM DRAINAGE, SIGNS, ETC. AS INDICATED ON DESIGN DOCUMENTS.
- IF EXISTING SITE FEATURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION BY CONTRACTOR, SITE FEATURES SHALL BE REPAIRED IN-KIND, TYPICAL.
- 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.
- CONTRACTOR TO NOTIFY OWNERS REPRESENTATIVE IF IDENTIFIED 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.
- CONTRACTOR SHALL REQUEST UFPO PRIOR TO START OF ANY WORK. "DIG SAFELY NEW YORK - CALL 811 - BEFORE YOU DIG".

Site Preparation/Demolition Key Notes

- EXISTING LAWN AREA TO REMAIN - REPAIR AS REQUIRED
- EXISTING ASPHALT TO REMAIN, PROTECT. (TYPICAL)
- EXISTING CHAIN LINK FENCE TO REMAIN, PROTECT.
- REMOVE EXISTING PVC COATED CHAIN LINK FENCE AND GATES.
- EXISTING CONCRETE PAD TO REMAIN, PROTECT.
- 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).

SITE DEMOLITION AND PREPARATION LEGEND	
	REMOVE EXISTING LAWN AND SOIL AS REQUIRED
	REMOVE LINEAR FEATURE REFER TO DRAWING'S FOR TYPE
	REMOVE SITE FEATURE AS INDICATED IN DEMOLITION KEYNOTES (Outline of Feature)
	REMOVE SITE FEATURE AS INDICATED IN DEMOLITION KEYNOTES (Specific Feature)

Site Layout Notes

- 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.
- OBJECTS ARE PARALLEL OR PERPENDICULAR TO EACH OTHER UNLESS OTHERWISE NOTED.
- PAINTED TRAFFIC MARKINGS AND TRAFFIC SIGNS TO COMPLY WITH THE LATEST EDITION OF THE NYSDOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND LOCAL REQUIREMENTS.
- VERIFY DIMENSIONS IN FIELD WITH OWNER'S REPRESENTATIVE ANY DIMENSIONS NOTED AS "V.I.F."
- 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.
- SCORE CONCRETE SIDEWALKS AT 5-FT SQUARE UNLESS OTHERWISE NOTED.

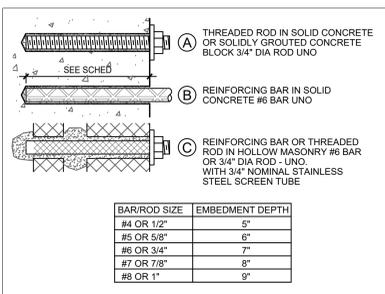
Site Layout Keynotes

- EXISTING ASPHALT PAVEMENT, PROTECT.
- NEW CHILLER. SEE MECHANICAL DRAWINGS.
- 8-FT TALL BLACK VINYL CLAD CHAIN LINK FENCE WITH PRIVACY SLATS. SEE DETAIL 4 / C100.
- 8-FT TALL BLACK VINYL CLAD CHAIN LINK FENCE, 10-FT WIDE DOUBLE LEAF GATE WITH PRIVACY SLATS. SEE DETAIL 3 / C100.
- PROVIDE CONCRETE EQUIPMENT PAD EXTENDING FROM EXISTING EQUIPMENT PAD AS INDICATED. SEE DETAILS 5 AND 6 / C100.
- SEEDED AREA - PROVIDE 6-INCHES OF AMENDED TOPSOIL, FINE GRADE, SEED, FERTILIZE AND MULCH. LEAVE NEAT SMOOTH EDGE, TYPICAL.
- HAUNCH SLAB AT EDGES. SEE DETAIL 5 / C100.
- THE EXISTING CONCRETE SLAB WAS FIELD MEASURED AT 20 X 28 FT. PLEASE FIELD VERIFY THOSE DIMENSIONS SO THAT REQUIRED HORIZONTAL CLEARANCES BETWEEN UNITS AND SITE ELEMENTS CAN BE VERIFIED.

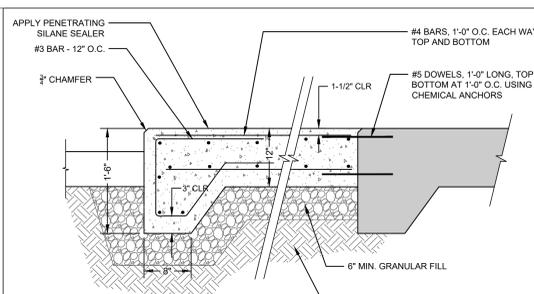
Site Layout Legend	
	CONCRETE PAVING
	TOPSOIL, LAWN SEEDING & MULCHING

Tank Removal Keynotes

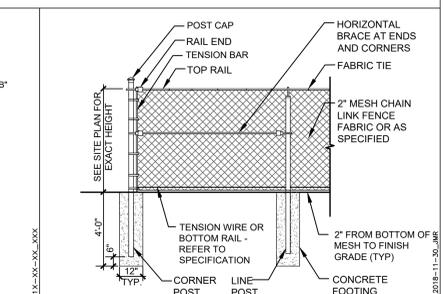
- REMOVE EXISTING 3" TANK VENT AT WALL.
- ABANDON EXISTING BURIED FUEL OIL SUPPLY, RETURN AND VENT PIPING IN PLACE. CLEAN PIPING INTERIOR AND CAP PIPING AT TANK AND INSIDE BUILDING.
- REMOVE EXISTING SIGNAGE AND HIGH LEVEL ALARM LIGHT MOUNTED ON EXISTING WALL.
- REMOVE EXG 10,000 GALLON UNDERGROUND FUEL OIL TANK INCLUDING CONCRETE PADS, HOLD DOWN STRAPS, DEADMAN ANCHORS, ETC.
- LIGHT POLE TO REMAIN, PROTECT.



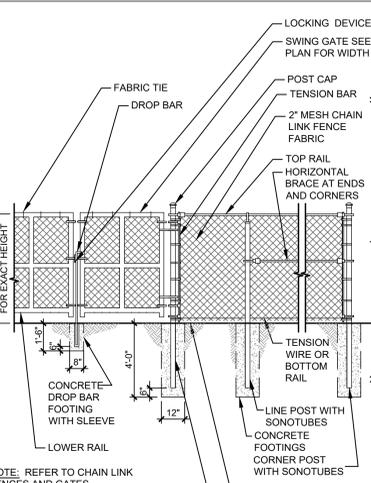
6 Typical Chemical Anchors  
3" = 1'-0"



5 Exterior Equipment Pad Extension Detail  
NTS



4 Chain Link Fence  
NTS



3 Chain Link Fence with Double Gates  
NTS

General Site Notes

- THESE GENERAL SITE NOTES APPLY TO C-SERIES DRAWINGS.
- 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.
- PRIOR TO CONSTRUCTION, LOCATE AND PROMINENTLY MARK THE PROPERTY LINES IN THE FIELD. PROTECT PROPERTY LINE MARKING AND MONUMENTS DURING CONSTRUCTION UNTIL FINAL ACCEPTANCE.
- 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.
- 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.
- 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.
- 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.
- 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.
- FOR INFORMATION REGARDING SUBSURFACE CONDITIONS AND TEST LOCATIONS, COORDINATE WITH OWNER REGARDING THE AVAILABILITY OF GEOTECHNICAL INFORMATION.
- 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 TRIM 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.

General Tank Removal Notes

- REFER TO SPECIFICATION SECTION 02 65 00- UNDERGROUND STORAGE TANK PERMANENT CLOSURE FOR INFORMATION REGARDING TANK REMOVAL AND ASSOCIATED TESTING.

S.E.D. Control No. 13-02-00-04-0-020-xxx

Rev. No.	Date	Description



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Tetra Tech Engineers, Architects & Landscape Architects, P.C.  
Reg. Expires: 03/31/2027

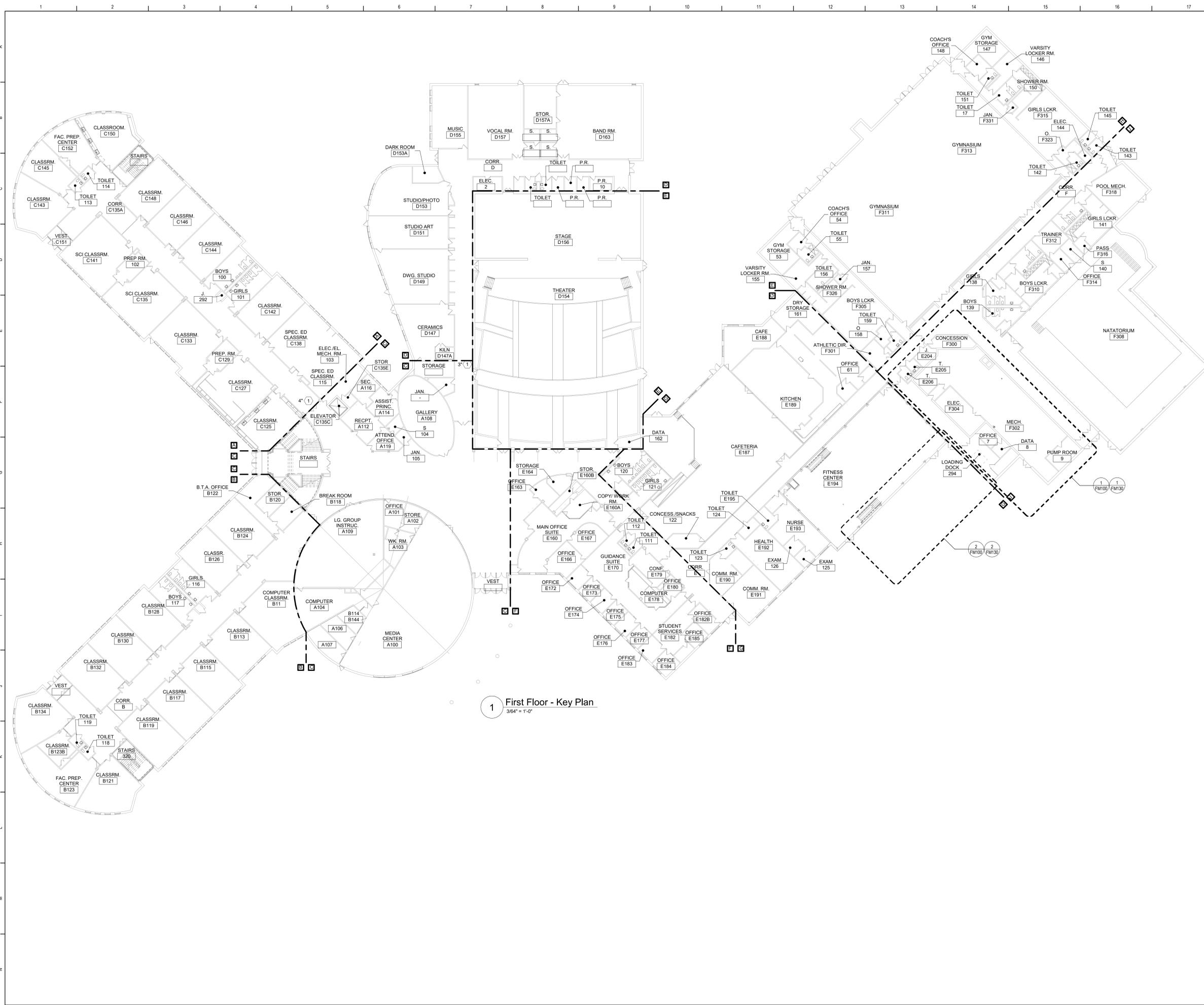


Beacon City School District  
Beacon, New York

Reconstruction to:  
Beacon City High School

Site Demolition and Layout Plans and Site Details

Drawn by: JMR Date: 12/2024 Drawing No.:  
Project No.: 279180-24002.1 FC100



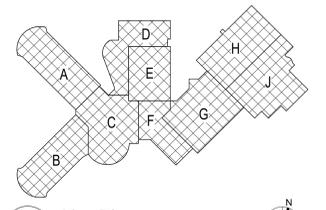
1 First Floor - Key Plan  
3/64" = 1'-0"

**General Notes**

- A. THE FOLLOWING GENERAL NOTES APPLY TO ALL "AM" SERIES DRAWINGS.
- B. REFER TO ALL CONTRACT DOCUMENTS, DRAWINGS AND SPECIFICATIONS, FOR DETAILED STANDARDS AND REQUIREMENTS. REPORT UNSATISFACTORY CONDITIONS IN WRITING TO ARCHITECT AND RESOLVE ISSUES BEFORE PROCEEDING.
- C. WORK INCLUDES ALL LABOR AND MATERIALS REQUIRED TO PROVIDE COMPLETE WORKING SYSTEMS.
- D. COORDINATE PHASING REQUIREMENTS AT JOB MEETINGS AND ON WORK SCHEDULES.
- E. 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.
- F. 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.
- G. 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.
- H. 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 OWNER.
- I. IF UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL CONFLICTS ARE ENCOUNTERED, INVESTIGATE AND REPORT BOTH NATURE AND EXTENT OF THE CONFLICT. RE-ROUTE WORK AS REQUIRED.
- J. 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 UNLESS SPECIFICALLY DIRECTED TO DO SO. PENDING RECEIPT OF DIRECTIVE, REARRANGE SCHEDULE AS NECESSARY TO CONTINUE OVERALL JOB PROGRESS WITHOUT DELAY.
- K. PATCH ALL DISTURBANCES RESULTING FROM DEMOLITION OR NEW WORK TO MATCH SURROUNDING SURFACES. PATCH FOLLOWING DEMOLITION, AND AGAIN FOLLOWING WORK, WHERE HOLES FROM REMOVALS, INFILL AND PATCH TO MATCH UNLESS HOLES IS TO BE REUSED.
- L. 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.
- M. 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.
- N. PROVIDE TEMPORARY PIPING, DUCT, HEAT, WEATHERPROOFING, ETC. TO SERVICES TO REMAIN UNTIL PERMANENT INSTALLATIONS CAN BE MADE.
- O. ALL EXCESS MATERIALS AND SCRAPS ARE CONTRACTOR'S PROPERTY. PROMPTLY REMOVE FROM SITE UNLESS SPECIFICALLY DIRECTED OTHERWISE.
- P. SEAL ALL FLOOR, WALL AND CEILING PENETRATIONS PER FIRE RESISTANCE RATINGS NOTED ON FG-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.

**Keyed Notes**

- 1 INSTALL DIFFERENTIAL PRESSURE SENSOR IN EXISTING HW PIPING. PIPE SIZE INDICATED ON PLAN.



Key Plan  
N.T.S.

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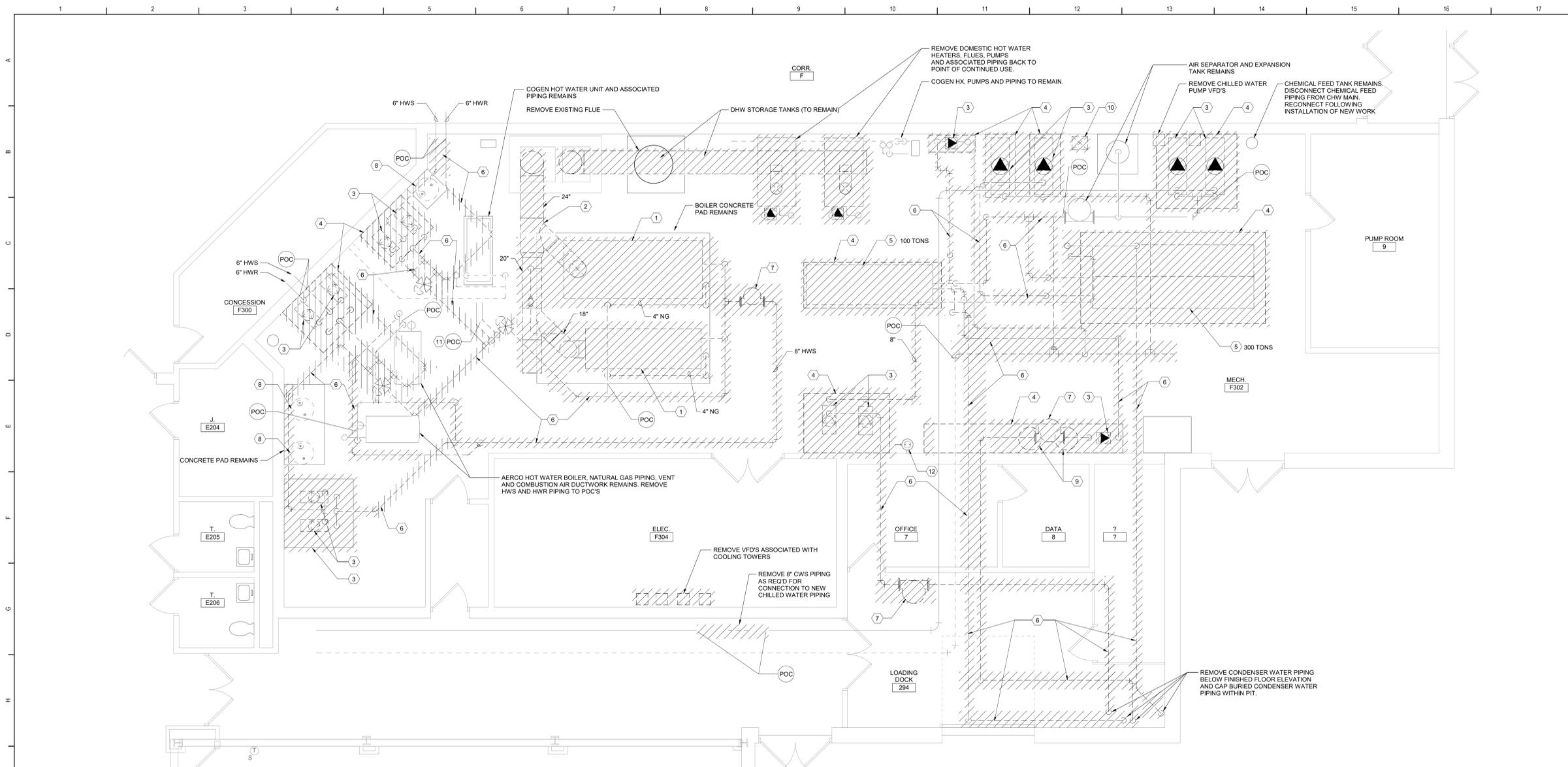
**TT TETRA TECH**  
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Beacon City School District  
Beacon, NY

Reconstruction to:  
Beacon High School

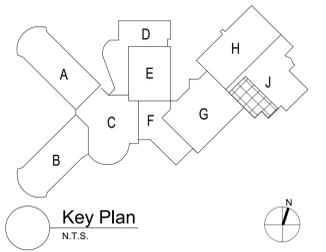
First Floor Key Plan

Drawn By: DPM/JPF1	Date: 03/28/2025	Drawing Number: FM050
Project No.: 279180-24002.1		



**1 Boiler Room Demolition Plan**  
1/4" = 1'-0"

- General Notes**
- A. REFER TO AM050 FOR GENERAL NOTES
- Keyed Demolition Notes**
- REMOVE HOT WATER BOILER, BURNER, TRIM, CONNECTED HOT WATER SUPPLY, RETURN AND BLOW DOWN PIPING LEADING TO FLOOR DRAINS. BLOWDOWN PIPING NOT SHOWN FOR CLARITY. REMOVE GAS TRAIN NATURAL GAS PIPING FROM BOILER AND REMOVE TO LOCATION INDICATED INCLUDING VALVES, SWITCHES, AND VENT PIPING THROUGH ROOF. VENT PIPING NOT SHOWN FOR CLARITY. PREPARE GAS PIPING FOR EXTENSION TO NEW BOILER LOCATIONS.
  - DISCONNECT AND REMOVE BOILER BREECHING FROM EACH BOILER AND REMOVE COMPLETE UP TO AND INCLUDING CHIMNEY CAP, INCLUDING HANGERS AND SUPPORTS.
  - REMOVE PUMP, CONNECTED PIPING, AND CONTROLS INCLUDING ASSOCIATED VARIABLE SPEED DRIVE ASSOCIATED WITH SECONDARY PUMPS.
  - REMOVE CONCRETE PAD TO FINISHED FLOOR ELEVATION.
  - REMOVE WATER COOLED CHILLER, CONTROLS, CONNECTED CHILLED WATER AND CONDENSER WATER PIPING.
  - REMOVE PIPING FROM CONNECTED EQUIPMENT INCLUDING HANGERS AND SUPPORTS, VALVES, FITTINGS COMPLETE OR AS INDICATED TO POINT OF CONNECTION LOCATION (POC).
  - REMOVE AIR SEPARATOR INCLUDING CONNECTED PIPING AND SUPPORTS.
  - HOT WATER EXPANSION TANK REMAINS. REMOVE PIPING FROM TANK TO ASSOCIATED CONNECTION POINT ON DISTRIBUTION SYSTEM. PIPING NOT SHOWN FOR CLARITY.
  - REMOVE CONDENSER WATER EXPANSION TANK INCLUDING CONNECTED PIPING. PIPING NOT SHOWN FOR CLARITY.
  - REMOVE REFRIGERANT LEAK DETECTION SYSTEM EXHAUST FAN DUCTWORK, DAMPER AND ASSOCIATED CONTROLS. PROVIDE CURB CAP.
  - DISCONNECT COGEN SUPPLY PIPING. REFER TO FM130 FOR ADDITIONAL INFORMATION.
  - EXISTING EMERGENCY EYEWASH TO REMAIN.



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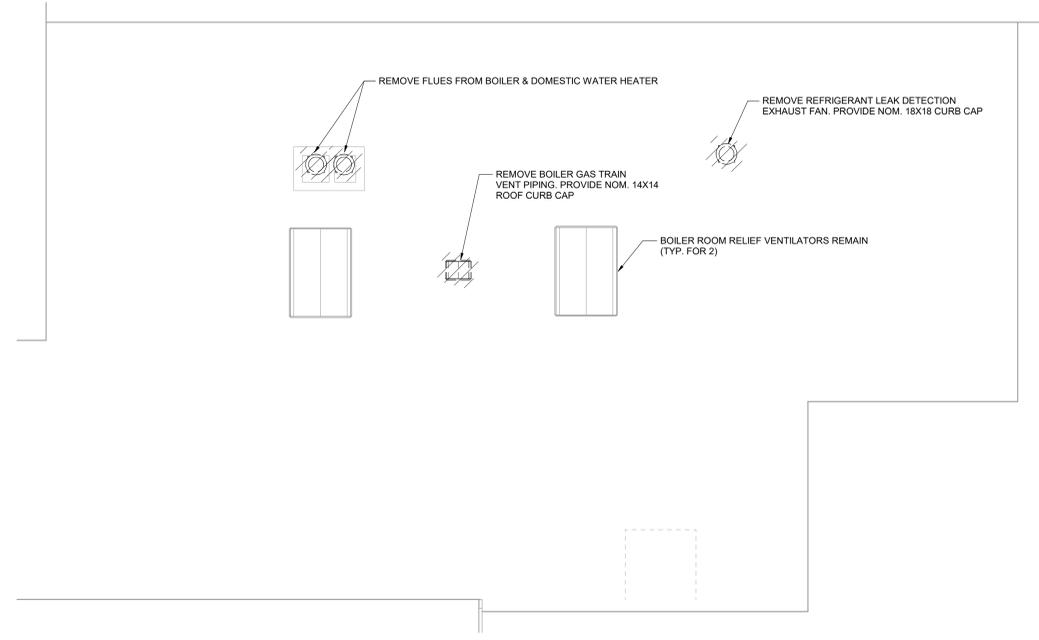


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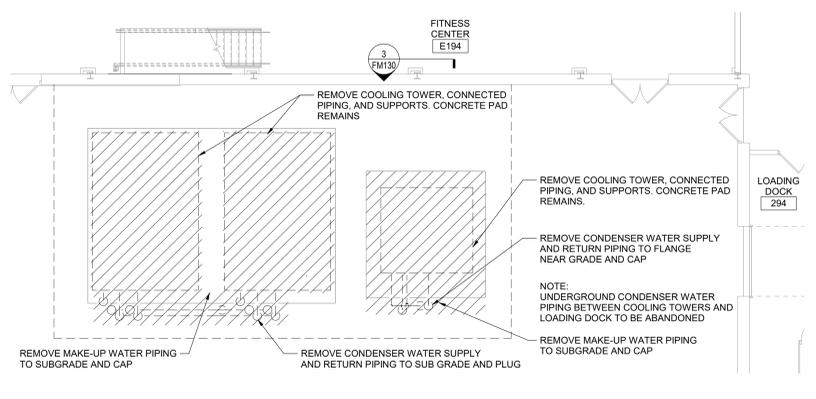
Reconstruction to:  
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First Floor, Roof and Yard Demolition Plan

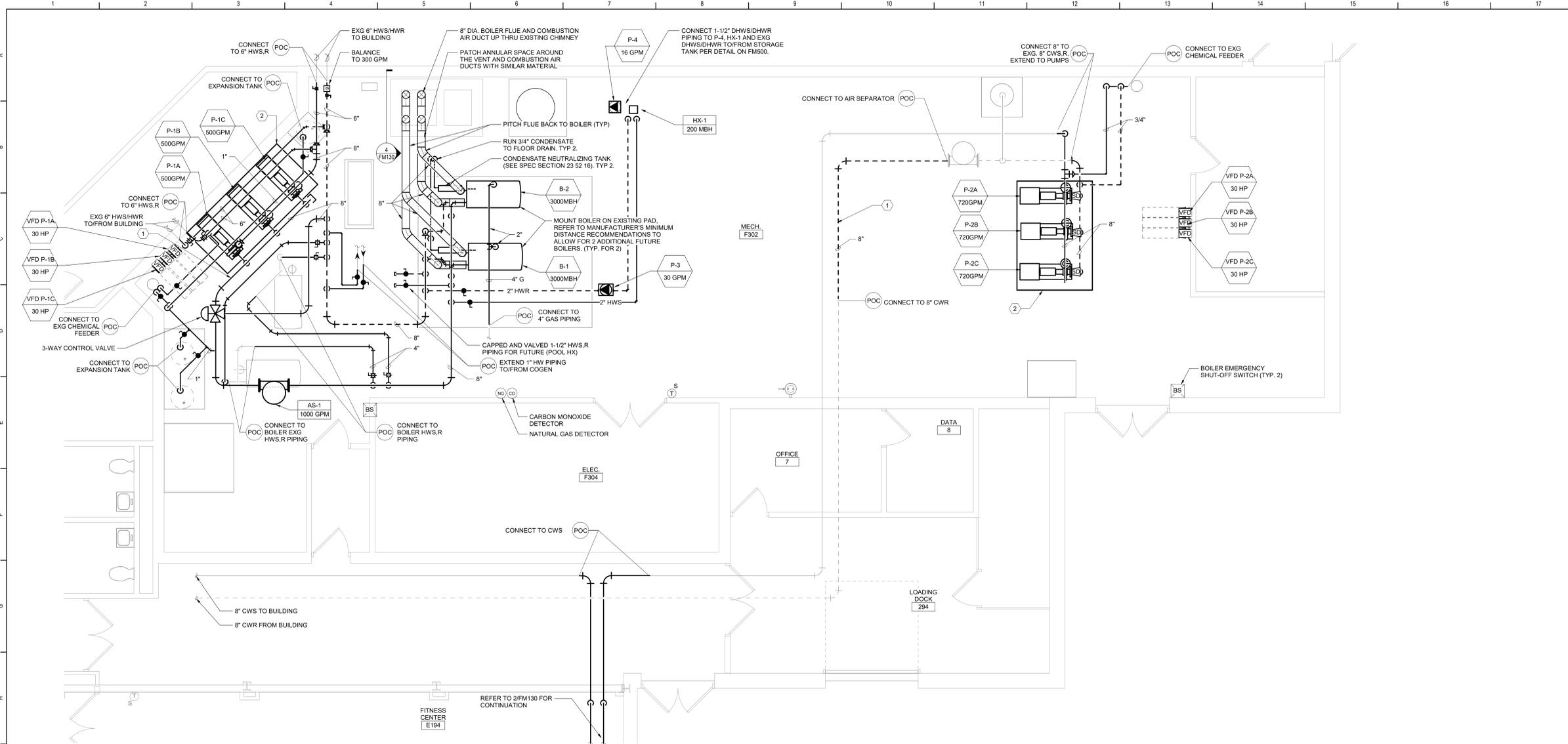
Drawn By: DPM/JPF1	Date: 03/28/2025	Drawing Number: FM100
Project No.: 279180-24002.1		



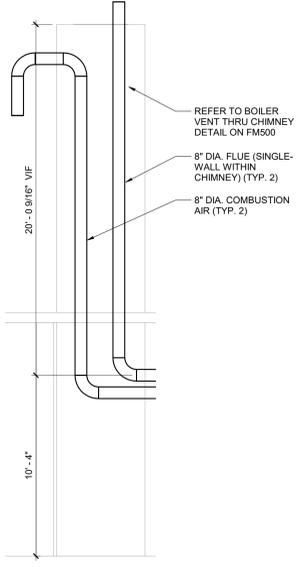
**3 Partial Roof Demolition Plan - Area J**  
1/8" = 1'-0"



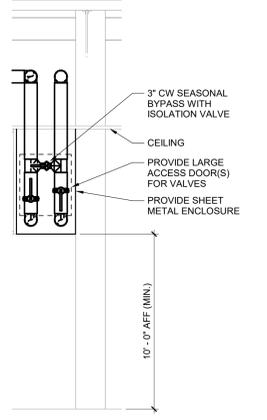
**2 Mechanical Equipment Yard Demolition Plan**  
1/8" = 1'-0"



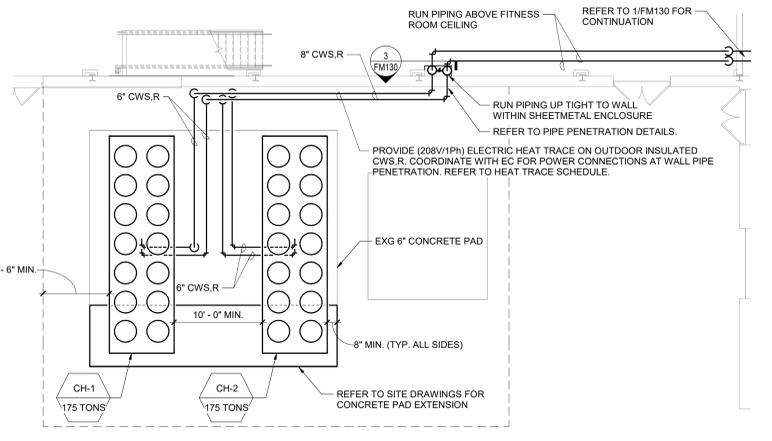
1 Boiler Room Plan  
1/4" = 1'-0"



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



3 Valve Section  
1/4" = 1'-0"



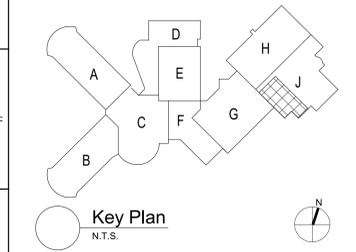
2 Mechanical Equipment Yard  
1/8" = 1'-0"

**General Notes**

A. REFER TO AM050 FOR GENERAL NOTES

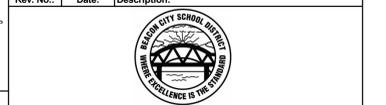
**Keyed Notes**

- 1 INSTALL INSERTION STYLE FLOWMETER
- 2 4" CONCRETE PAD



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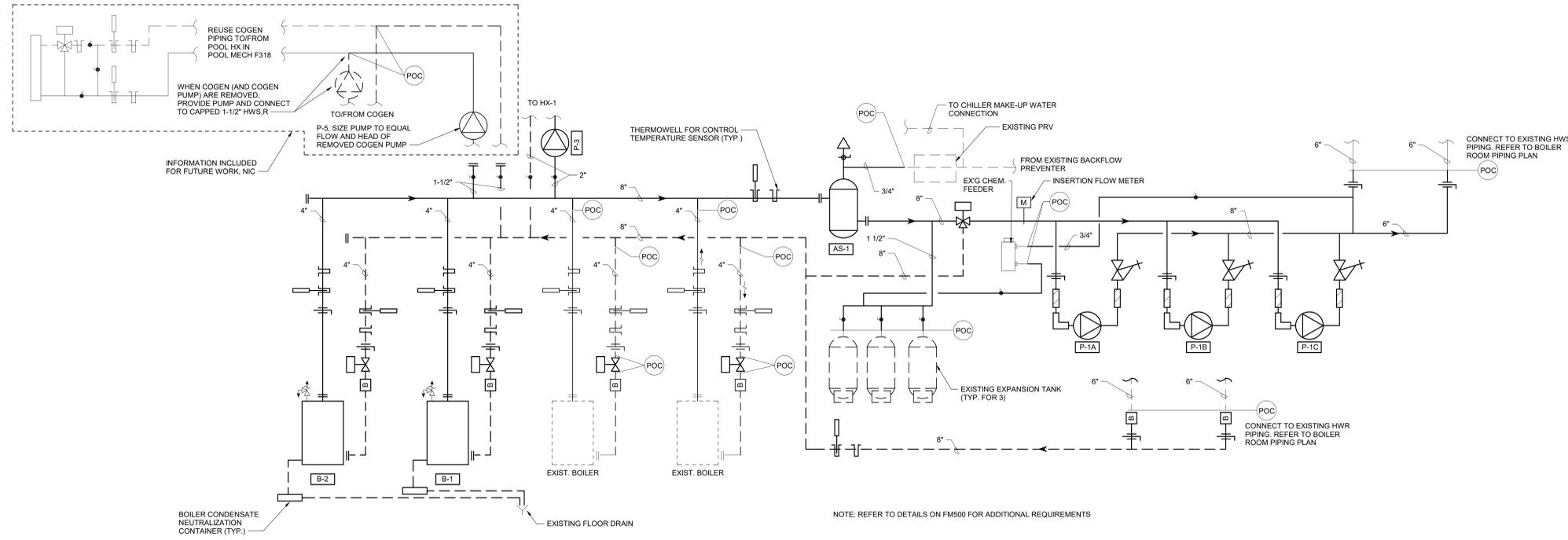
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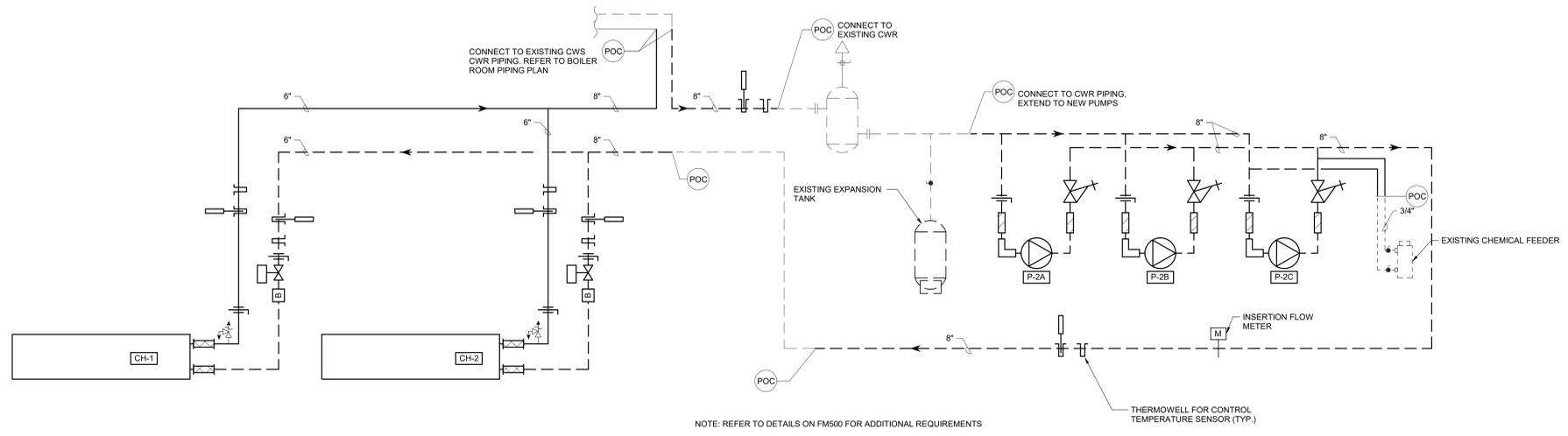
Boiler Room and Equipment Yard -  
Piping Plan

Drawn By: DPM/JPF1	Date: 03/28/2025	Drawing Number: FM130
Project No.: 279180-24002.1		

**BID SET**



1 Hot Water Piping Schematic  
NTS



2 Chilled Water Piping Schematic  
NTS

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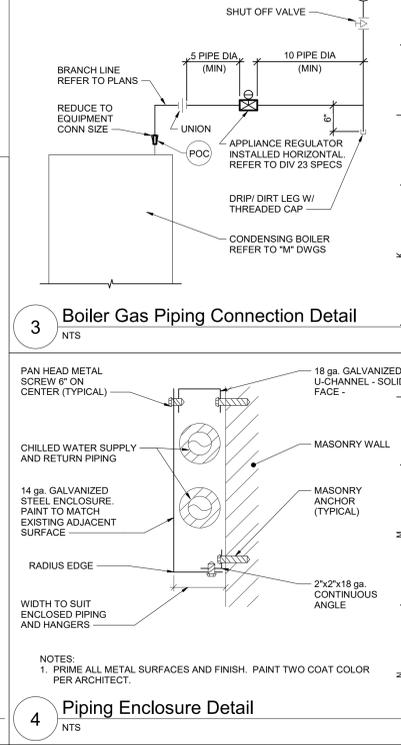
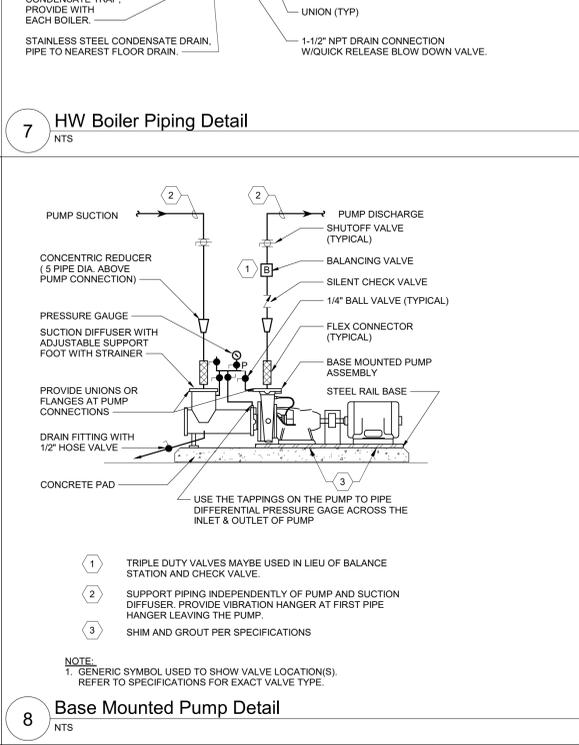
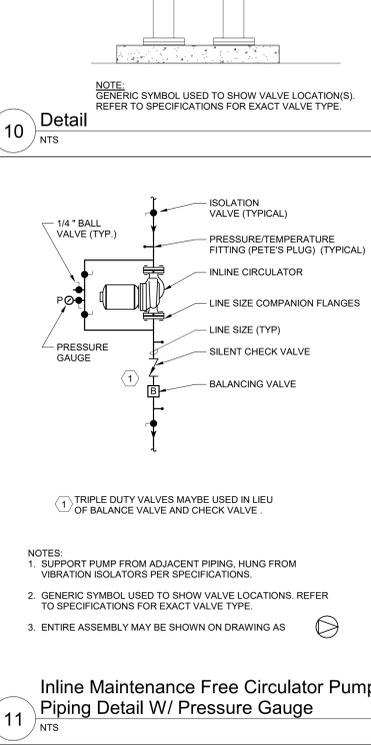
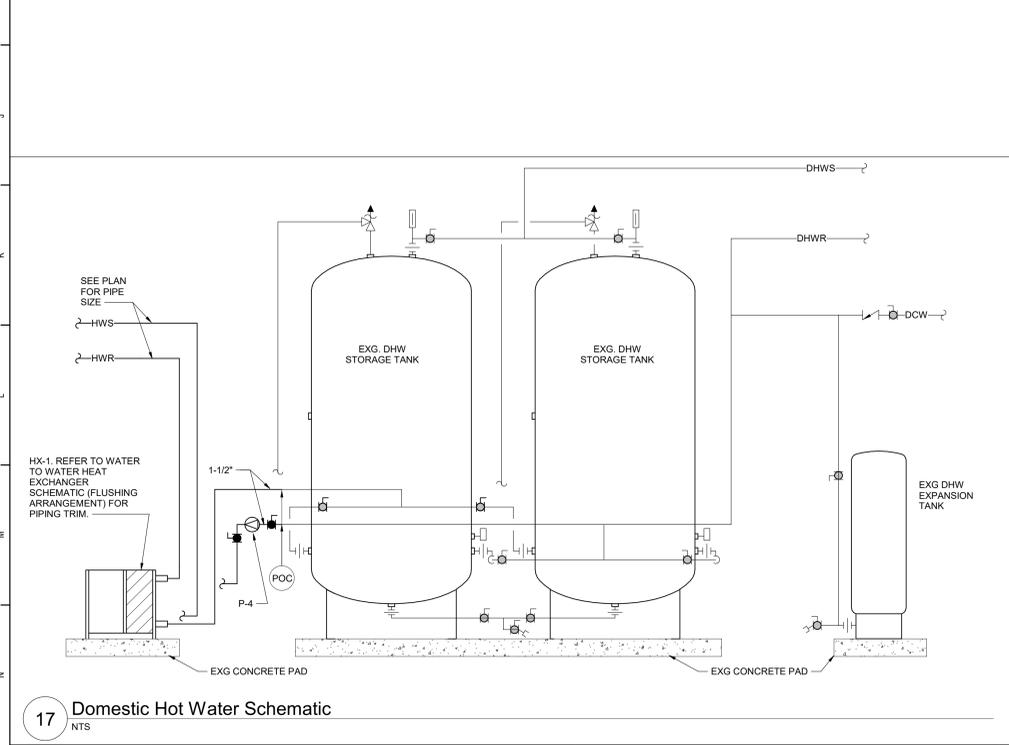
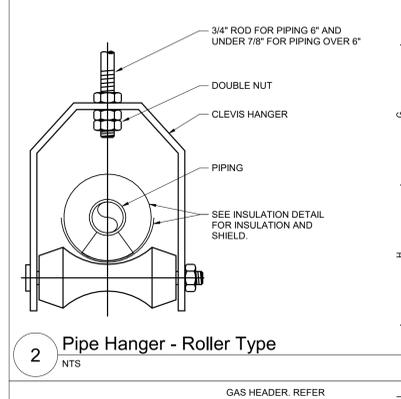
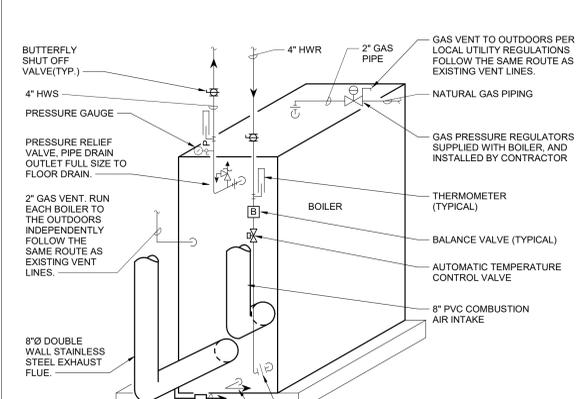
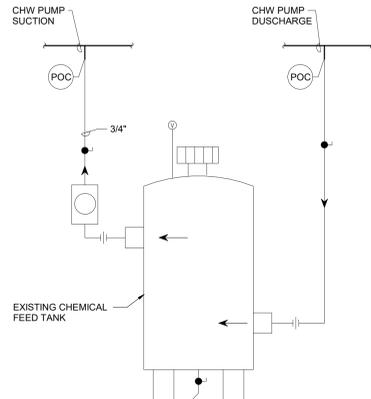
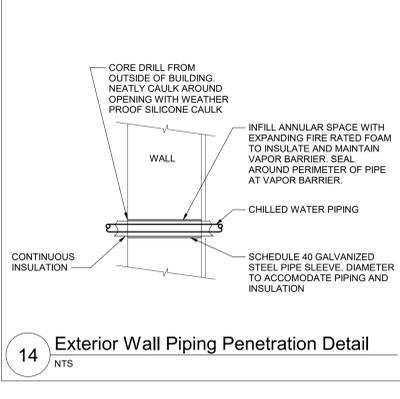
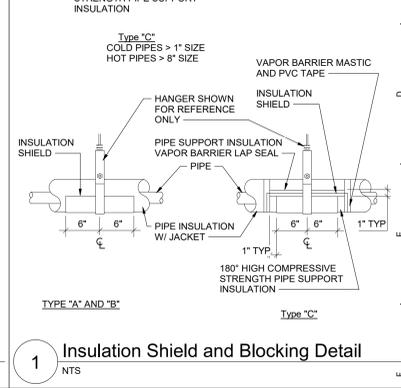
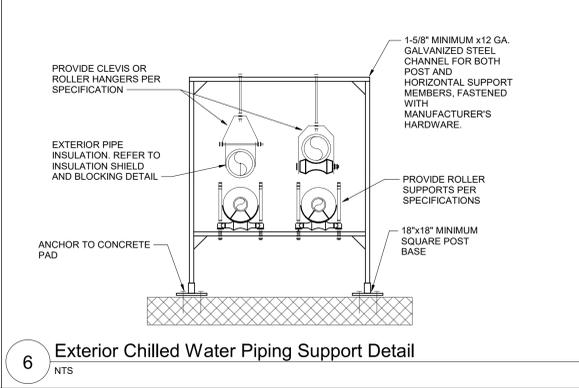
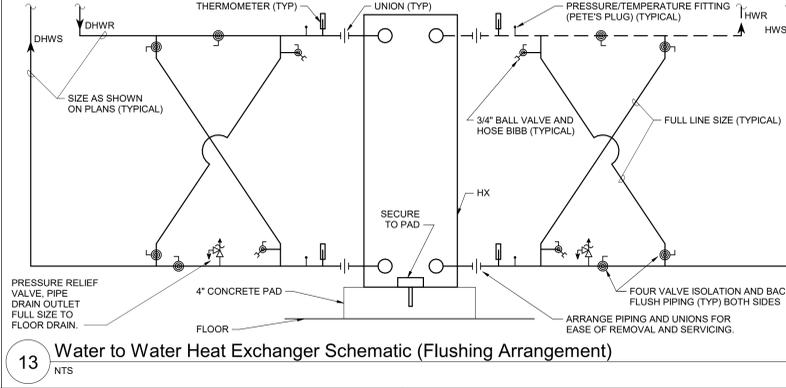
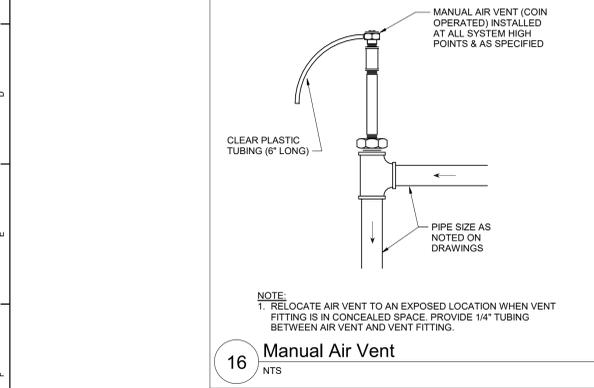
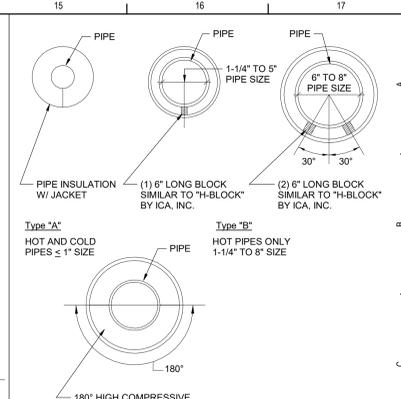
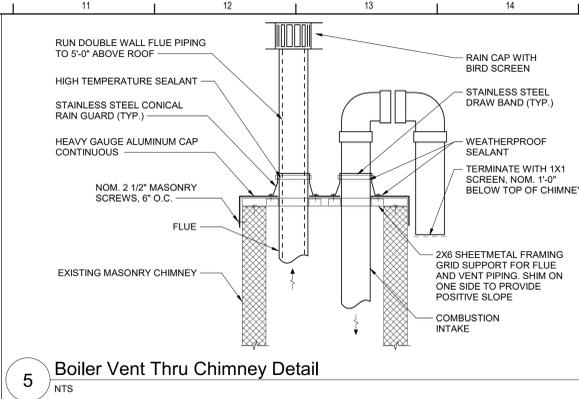
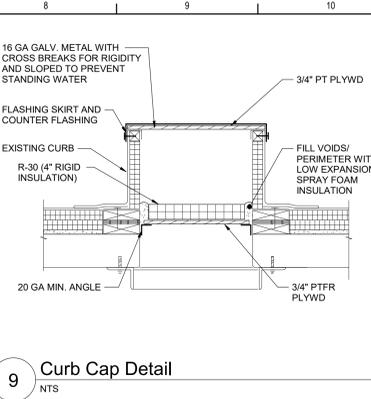
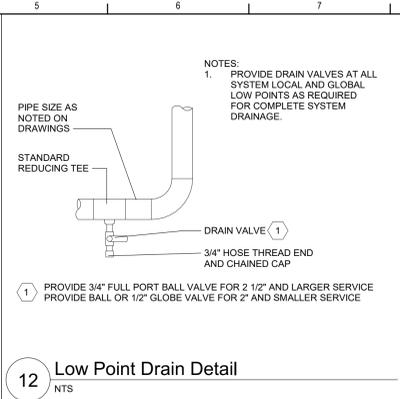
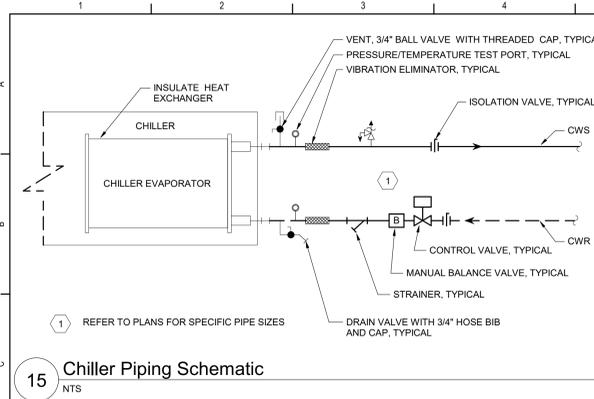


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Reconstruction to:  
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Hot and Chilled Water Boiler Room  
Piping Schematics

Drawn By: DPM/JPF1	Date: 03/28/2025	Drawing Number:
Project No.:	279180-24002.1	
		<b>FM200</b>



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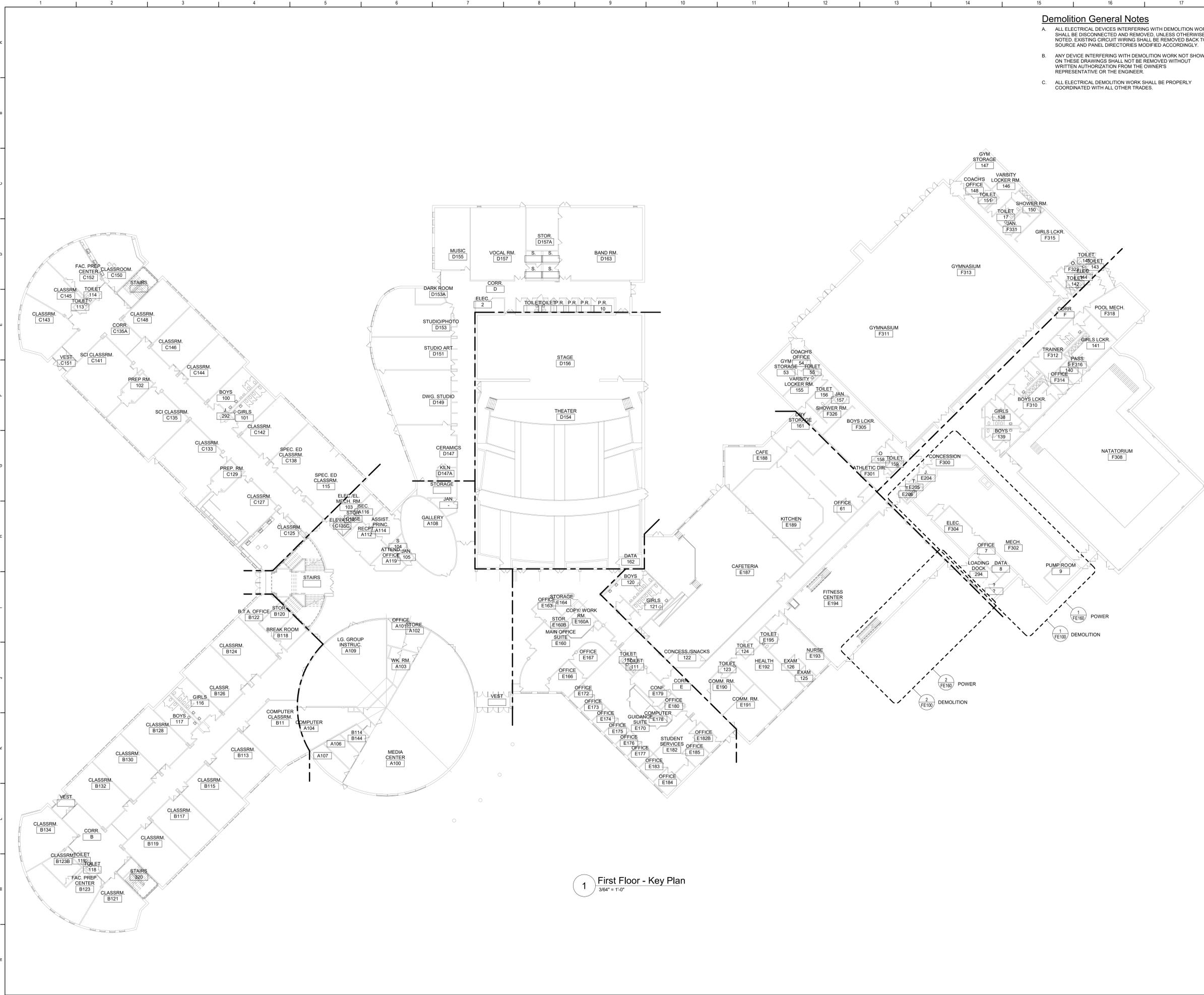
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Drawn By: DPM/JPF1 Date: 03/28/2025 Drawing Number: 279180-24002.1

**FM500**

**BID SET**





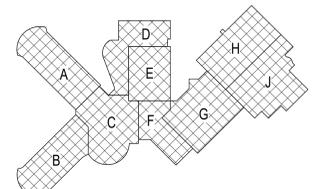
1 First Floor - Key Plan  
3/64" = 1'-0"

**Demolition General Notes**

- A. ALL ELECTRICAL DEVICES INTERFERING WITH DEMOLITION WORK SHALL BE DISCONNECTED AND REMOVED, UNLESS OTHERWISE NOTED. EXISTING CIRCUIT WIRING SHALL BE REMOVED BACK TO SOURCE AND PANEL DIRECTORIES MODIFIED ACCORDINGLY.
- B. ANY DEVICE INTERFERING WITH DEMOLITION WORK NOT SHOWN ON THESE DRAWINGS SHALL NOT BE REMOVED WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER'S REPRESENTATIVE OR THE ENGINEER.
- C. ALL ELECTRICAL DEMOLITION WORK SHALL BE PROPERLY COORDINATED WITH ALL OTHER TRADES.

**General Notes**

- A. COORDINATE ALL ELECTRICAL WORK AND POWER OUTAGES WITH OWNER AND OTHER TRADES PRIOR TO THE START OF CONSTRUCTION. NO POWER OUTAGES SHALL OCCUR WITHOUT OWNER'S PRIOR KNOWLEDGE AND CONSENT.
- B. REFER TO DRAWING G100 FOR STANDARD SYMBOLS AND ABBREVIATIONS.
- C. PROPERLY IDENTIFY ALL CIRCUITS AT PANELS AND J-BOXES AND IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
- D. PROVIDE ALL ADAPTERS, COUPLINGS AND ASSOCIATED FITTINGS REQUIRED FOR COMPLETE OPERATIONAL SYSTEM.
- E. DISCONNECTS AND CONTROLLERS WILL BE FURNISHED WITH MECHANICAL AND PLUMBING EQUIPMENT AND INSTALLED BY ELECTRICAL CONTRACTOR.
- F. NEW CIRCUIT BREAKERS IN EXISTING PANELBOARDS SHALL BE UL LISTED FOR USE IN THE PANELBOARD AND SHALL MATCH THE AIC RATING OF THE PANELBOARD. AMEND PANELBOARD DIRECTORY ACCORDINGLY.
- G. COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES.
- H. 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.
- I. 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. DISCONNECT SWITCHES.....60" (TO TOP)
  4. MOTOR STARTERS.....60" (TO TOP)
 THE HEIGHTS INDICATED SHALL BE NOMINAL TO THE BOTTOM OF THE BOX UNLESS NOTED OTHERWISE. MAINTAIN HEIGHT CONSISTENCY BETWEEN NEW AND EXISTING DEVICES.



Key Plan  
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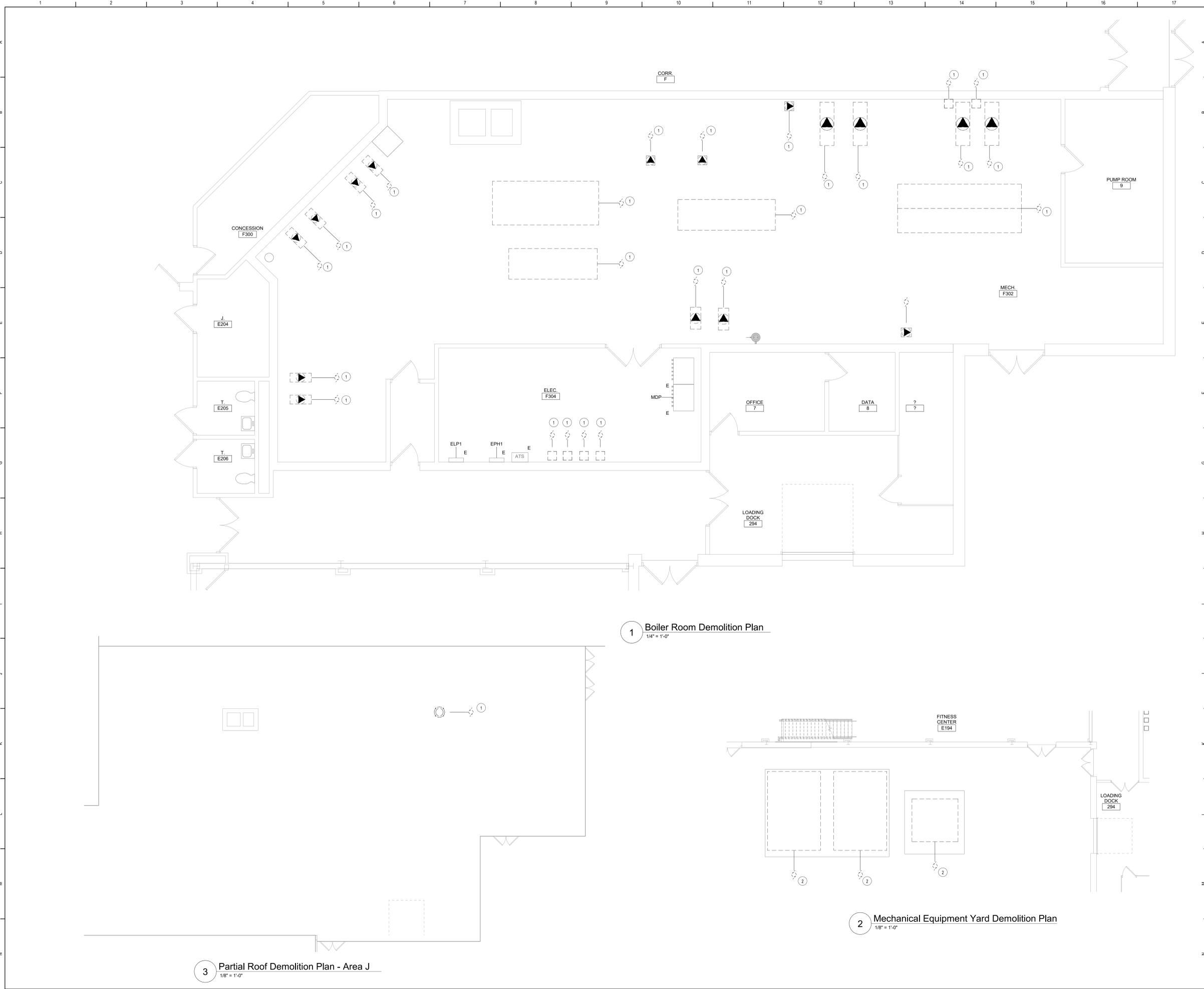
Beacon City School District  
Beacon, NY

Reconstruction to:  
Beacon High School

First Floor Key Plan

Drawn By: SAS	Date: 03/28/2025	Drawing Number: FE050
Project No.:	279180-24002.1	

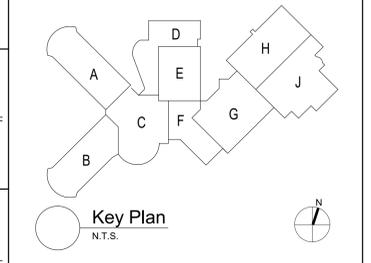
**BID SET**



- Key Notes:**
- 1 REMOVE POWER CIRCUITRY TO HVAC EQUIPMENT BACK TO SOURCE. LABEL ANY UNUSED CIRCUIT BREAKERS AS "SPARE" AND UPDATE PANEL DIRECTORY AS NECESSARY.
  - 2 REMOVE POWER CIRCUITRY TO EXISTING COOLING TOWER PUMPS, FANS, HEATERS, AND CONVENIENCE RECEPTACLES BACK TO SOURCE. LABEL ANY UNUSED CIRCUIT BREAKERS AS "SPARE" AND UPDATE PANEL DIRECTORY AS NECESSARY.

**General Notes:**

A REFER TO DRAWING FE050 FOR GENERAL NOTES.



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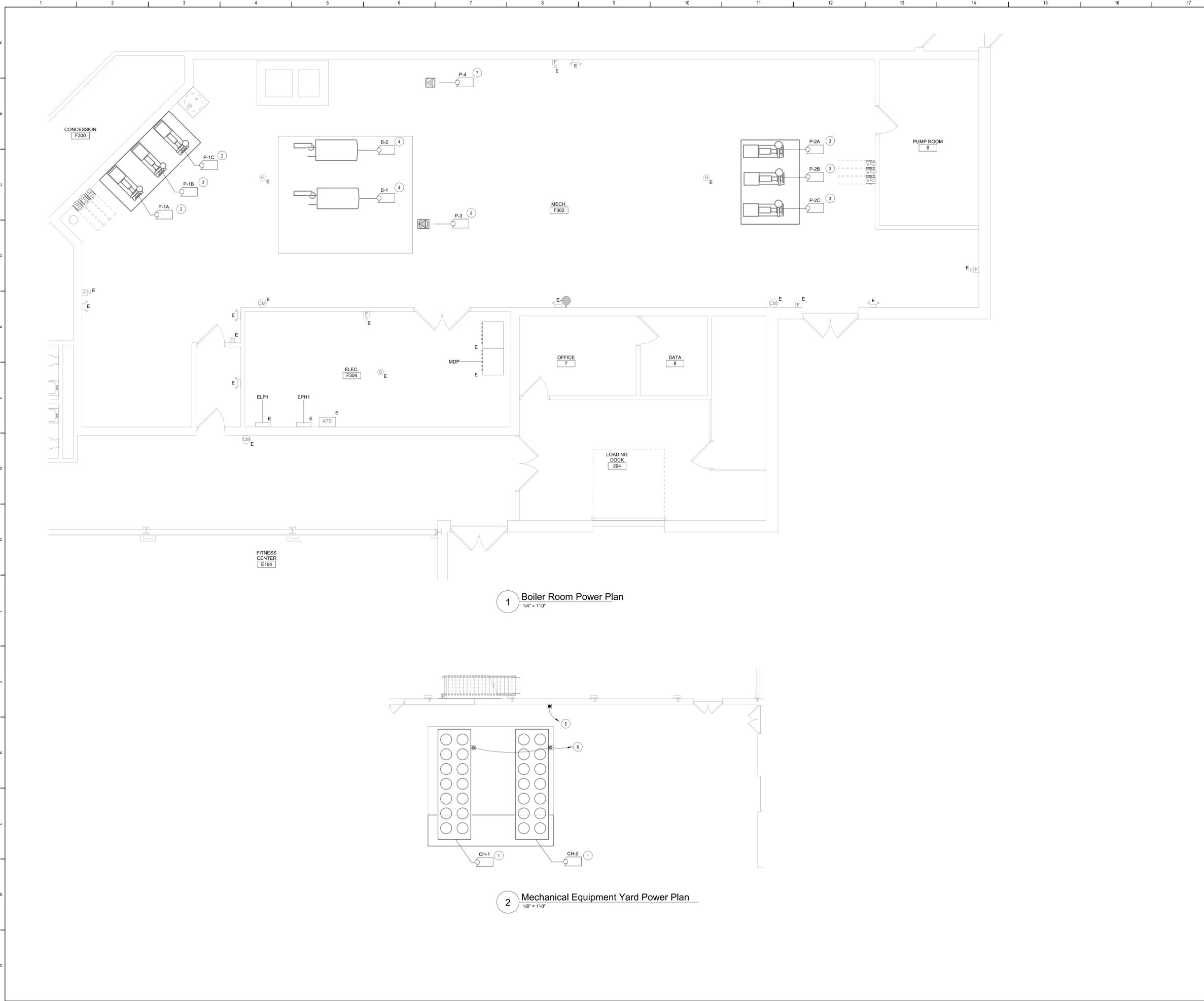


Beacon City School District  
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Reconstruction to:  
Beacon High School

First Floor and Yard Demolition Plan

Drawn By: SAS	Date: 03/28/2025	Drawing Number: <b>FE100</b>
Project No.: 279180-24002.1		



**1 Boiler Room Power Plan**  
1/4" = 1'-0"

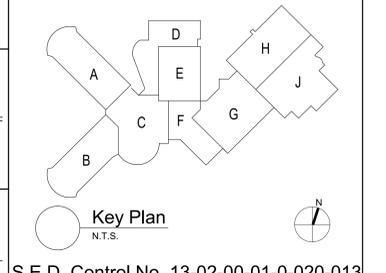
**2 Mechanical Equipment Yard Power Plan**  
1/8" = 1'-0"

**Key Notes:**

- 1 REMOVE 3-POLE CIRCUIT BREAKER IN MDP PREVIOUSLY SERVING THE CHILLER(S) THAT ARE SCHEDULED TO BE REMOVED. PROVIDE 400A-3P CIRCUIT BREAKER IN AVAILABLE SPACE IN MDP AND CONNECT USING 2 SETS OF (3) #3/0, (1) #2 G. IN 2" CONDUIT. AMEND PANELBOARD DIRECTORY AS NECESSARY.
- 2 REMOVE 3-POLE CIRCUIT BREAKER IN PANEL EPH1 PREVIOUSLY SERVING THE PUMP(S) THAT ARE SCHEDULED TO BE REMOVED. PROVIDE 60A-3P CIRCUIT BREAKER IN AVAILABLE SPACE IN PANEL EPH1 AND CONNECT TO PUMP VFD USING (3) #8, (1) #10 G. IN 3/4" CONDUIT. AMEND PANELBOARD DIRECTORY AS NECESSARY.
- 3 PROVIDE 70A-3P CIRCUIT BREAKER IN AVAILABLE SPACE IN MDP AND CONNECT TO PUMP VFD USING (3) #8, (1) #10 G. IN 3/4" CONDUIT. AMEND PANELBOARD DIRECTORY AS NECESSARY.
- 4 REMOVE 3-POLE CIRCUIT BREAKER IN PANEL EPH1 PREVIOUSLY SERVING THE BOILER. PROVIDE 20A-3P CIRCUIT BREAKER IN SAME SPACE IN PANEL EPH1 AND CONNECT USING (3) #12, (1) #12 G. IN 1/2" CONDUIT. AMEND PANELBOARD DIRECTORY AS NECESSARY.
- 5 PROVIDE CONNECTION FOR HEAT TRACE. REFER TO MECHANICAL DRAWINGS FOR HEAT TRACE REQUIREMENTS. PROVIDE 20A-2P 208V CIRCUIT BREAKER IN AVAILABLE SPACE IN PANEL ELP1 AND CONNECT USING (2) #12, (1) #12 G. IN 1/2" CONDUIT. AMEND PANELBOARD DIRECTORY AS NECESSARY.
- 6 PROVIDE 120V CONNECTION FOR CONVENIENCE OUTLETS THAT ARE PROVIDED WITH THE CHILLER(S). PROVIDE 20A-1P 120V CIRCUIT BREAKER IN AVAILABLE SPACE IN PANEL ELP1 AND CONNECT USING (2) #12, (1) #12 G. IN 1/2" CONDUIT. AMEND PANELBOARD DIRECTORY AS NECESSARY.
- 7 PROVIDE 20A-1P 120V CIRCUIT BREAKER IN AVAILABLE SPACE IN PANEL ELP1 AND CONNECT USING (2) #12, (1) #12 G. IN 1/2" CONDUIT. AMEND PANELBOARD DIRECTORY AS NECESSARY.
- 8 PROVIDE 20A-3P 208V CIRCUIT BREAKER IN AVAILABLE SPACE IN PANEL ELP1 AND CONNECT USING (3) #12, (1) #12 G. IN 1/2" CONDUIT. AMEND PANELBOARD DIRECTORY AS NECESSARY.

**General Notes:**

A REFER TO DRAWING FE050 FOR GENERAL NOTES.



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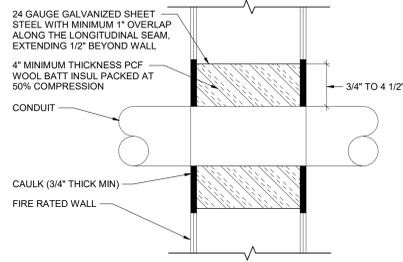


Beacon City School District  
Beacon, NY

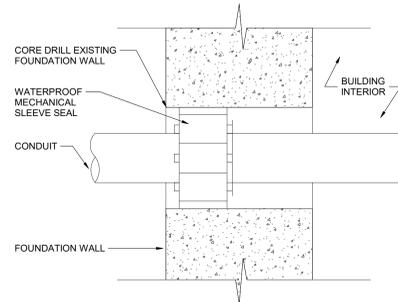
Reconstruction to:  
Beacon High School

First Floor Power Plan

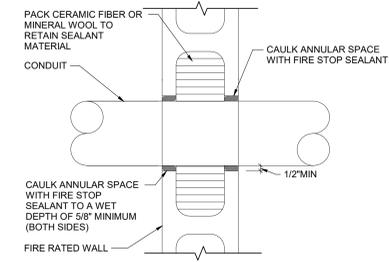
Drawn By: SAS	Date: 03/28/2025	Drawing Number:
Project No.:	279180-24002.1	
		<b>FE160</b>



3 Fire Rated Metal Stud Conduit Penetration Detail  
NTS



2 Existing Foundation Penetration Detail  
NTS



1 Fire Rated CMU Wall Conduit Penetration Detail  
NTS

S.E.D. Control No. 13-02-00-01-0-020-013

Rev. No.:      Date:      Description:



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Reconstruction to:  
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Details

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Project No.: 279180-24002.1		FE500

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