

Purchasing Department

MONTGOMERY COUNTY ADMINISTRATION BUILDING 451 WEST THIRD STREET P.O. BOX 972 DAYTON, OHIO 45422-1110

August 11, 2025

- - ADDENDUM # 2 ---

PROJECT NUMBER: 130012-59
EASTERN REGIONAL WATER RECLAMATION FACILITY
OPERATIONS BUILDING RENOVATION
DUE DATE: 08/27/2025 @ 1:30 PM

Dear Prospective Bidders:

The following additions, deletions and/or changes to Project Number 130012-59, Eastern Regional Water Reclamation Facility Operations Building Renovation, are to be considered part of the original Bid Documents and are equally binding.

Questions/Answers from Submitted Questions Changes to Bid Documents – Specifications and Contract Documents Addendum Attachments

Please download Addendum # <u>2</u> from the Montgomery County OpenGov Procurement Portal located at https://procurement.opengov.com/portal/montgomerycountyoh.

If you should have any questions concerning these changes, please contact via email at asberryb@mcohio.org.

Sincerely,

MONTGOMERY COUNTY PURCHASING

Barbara Asberry, NIGP-CPP, CPPB, MPA Senior Buyer

EASTERN REGIONAL WATER RECLAMATION FACILITY OPERATIONS BUILDING RENOVATION PROJECT NO. 130012-59

QUESTIONS/ANSWERS FROM SUBMITTED QUESTIONS

- 1. **Q**. Could you please verify that note N on the attached drawing (P-001) is accurate? If so, are we to assume removing the old insulation or repairing as needed?
 - **A.** Plan Note N on sheet P-001 is intended to ensure that any existing insulation that is disturbed or removed during construction is properly replaced and seamlessly integrated with the new insulation. The note does not require replacement of all existing insulation—only the portions that are affected by the new work.

EASTERN REGIONAL WATER RECLAMATION FACILITY OPERATIONS BUILDING RENOVATION PROJECT NO. 130012-59

CHANGES TO BID DOCUMENTS – SPECIFICATIONS AND CONTRACT DOCUMENTS

CHANGES TO SPECIFICATIONS:

- Specification 102113.17 PHENOLIC-CORE TOILET COMPARTMENTS:
 - a. 2.3.A.6 Add the following manufacturer, "Hiny Hiders"
- 2. Specification 105113 METAL LOCKERS:
 - a. 2.3.A.3 Add the following manufacturer, "LockersMFG"
 - b. 2.2.A.4 Add the following manufacturer, "Tufftec"
- 3. Specification 115313 LABORATORY FUME HOODS:
 - a. 2.4.A.1.e Add the following manufacturer, "Hamilton Lab Solutions SafeAire II"

CHANGES TO DRAWINGS:

- Sheet G-101 LIFE SAFETY PLAN
 - a. Update rated wall locations and code information per attached sheet.
- Sheet AD-100 FIRST FLOOR OVERALL DEMOLITION PLAN
 - a. Revise GENERAL NOTE E per attached sheet.
- Sheet AD-101 FIRST FLOOR ENLARGED DEMOLITION PLANS
 - a. Revise CODED NOTES 5, 8, 38, 40 per attached sheet.
- 4. Sheet MD-100 HVAC FIRST FLOOR DEMOLITION PLAN
 - a. Remove VAV box PT-VAV-8 to avoid new 1-hour fire partition in new work per attached sheet.
- 5. Sheet MD-101 HVAC PIPING FIRST FLOOR DEMOLITION PLAN
 - a. Remove VAV box PT-VAV-8 to avoid new 1-hour fire partition in new work per attached sheet.
- 6. Sheet MD-102 HVAC SECOND FLOOR DEMOLITION PLAN
 - a. Revise Plan Note 6 per attached sheet.
- 7. Sheet A-103 SECOND FLOOR PLAN
 - a. Add infill partition at rated wall location per attached sheet.
 - b. Add door 210-1 per attached sheet.
- 8. Sheet A-201 EXTERIOR BUILDING ELEVATIONS
 - a. Add CODED NOTE 9 per attached sheet.
- 9. Sheet A-420 VERTICAL CIRCULATION STAIR PLANS & SECTIONS
 - a. Add CODED NOTE 14 per attached sheet.
 - b. Add notes to section 4/A-420 per attached sheet.
- Sheet A-520 INTERIOR PARTITION TYPES

- a. Detail 1/A-520:
 - i. Revise type 1R to U465 per attached sheet.
 - ii. Add type 10R per attached sheet.
- b. Add note to detail 7/A-520 per attached sheet.
- c. Add detail 9/A-520 per attached sheet.

11. Sheet A-601 DOOR SCHEDULE, TYPES & DETAILS

- a. FIRST FLOOR DOOR SCHEDULE:
 - i. Revise label to 45 MIN for doors 113-3 & 116-1 per attached sheet.
 - ii. Revise label to 90 MIN for door 124-2 per attached sheet.
- b. SECOND FLOOR DOOR SCHEDULE:
 - i. Add door 210-1 per attached sheet.

12. Sheet M-001 HVAC GENERAL NOTES, SYMBOLS, & ABBREVIATIONS

a. Add fire-stopping details for piping and round ductwork for 1-hour rated walls.

13. Sheet M-200 HVAC FIRST FLOOR NEW WORK PLAN

- a. Show VAV box PT-VAV-8 as being removed.
- b. Per OMC 607.5.3, exception 4, a fire damper is not required in the 1-hour fire partition wall for room PT-120 from the 10" exhaust air duct.

14. Sheet M-201 HVAC PIPING FIRST FLOOR NEW WORK PLAN

a. Show VAV box PT-VAV-8 as being removed.

15. Sheet E-200 ELECTRICAL FIRST FLOOR POWER NEW WORK PLAN

- a. Car charger feeder size and circuit breaker size changed to 70A circuit breaker.
- b. Revise plan note 6.
- Replace duplex receptacles with GFCI receptacles in laundry room and break room.

16. Sheet E-202 ELECTRICAL FIRST FLOOR POWER NEW WORK PLAN

- a. Add Floor box receptacle in meeting room.
- b. Add plan note 15.

ATTACHMENTS: Drawings

G-101

AD-100

AD-101

MD-100

MD-101

MD-102

A-103

A-201

A-420

A-520

A-601

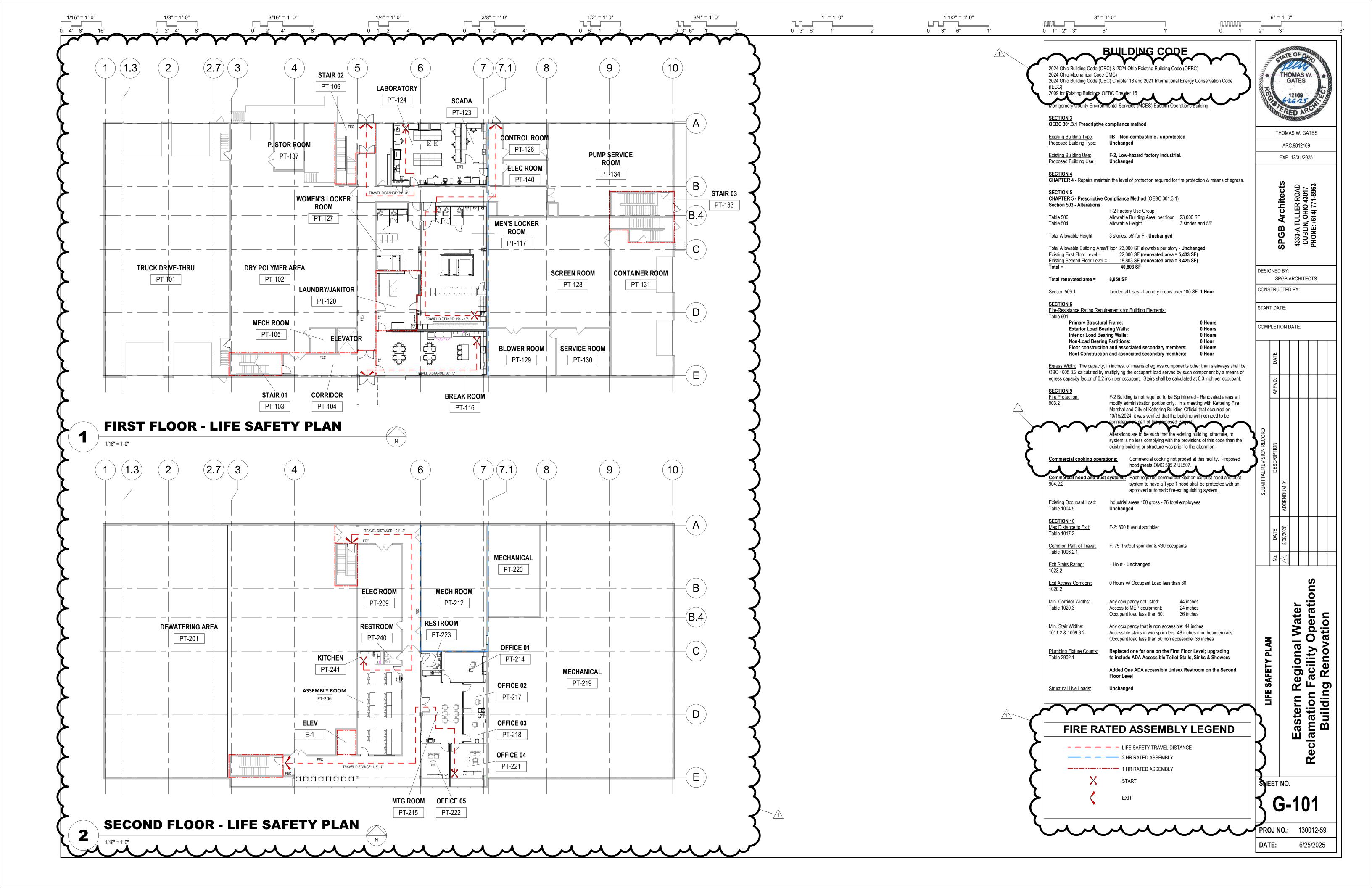
M-001

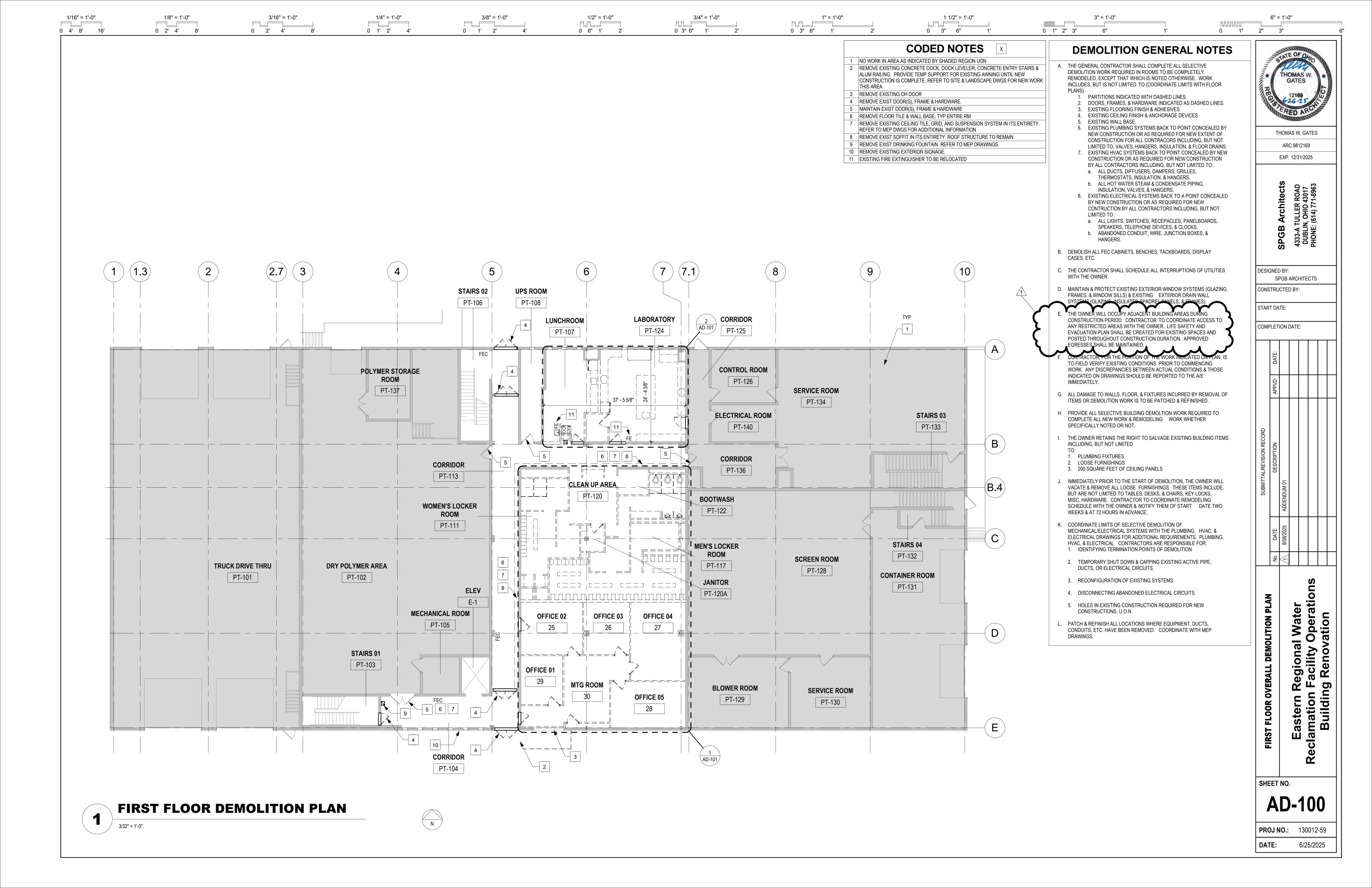
M-200

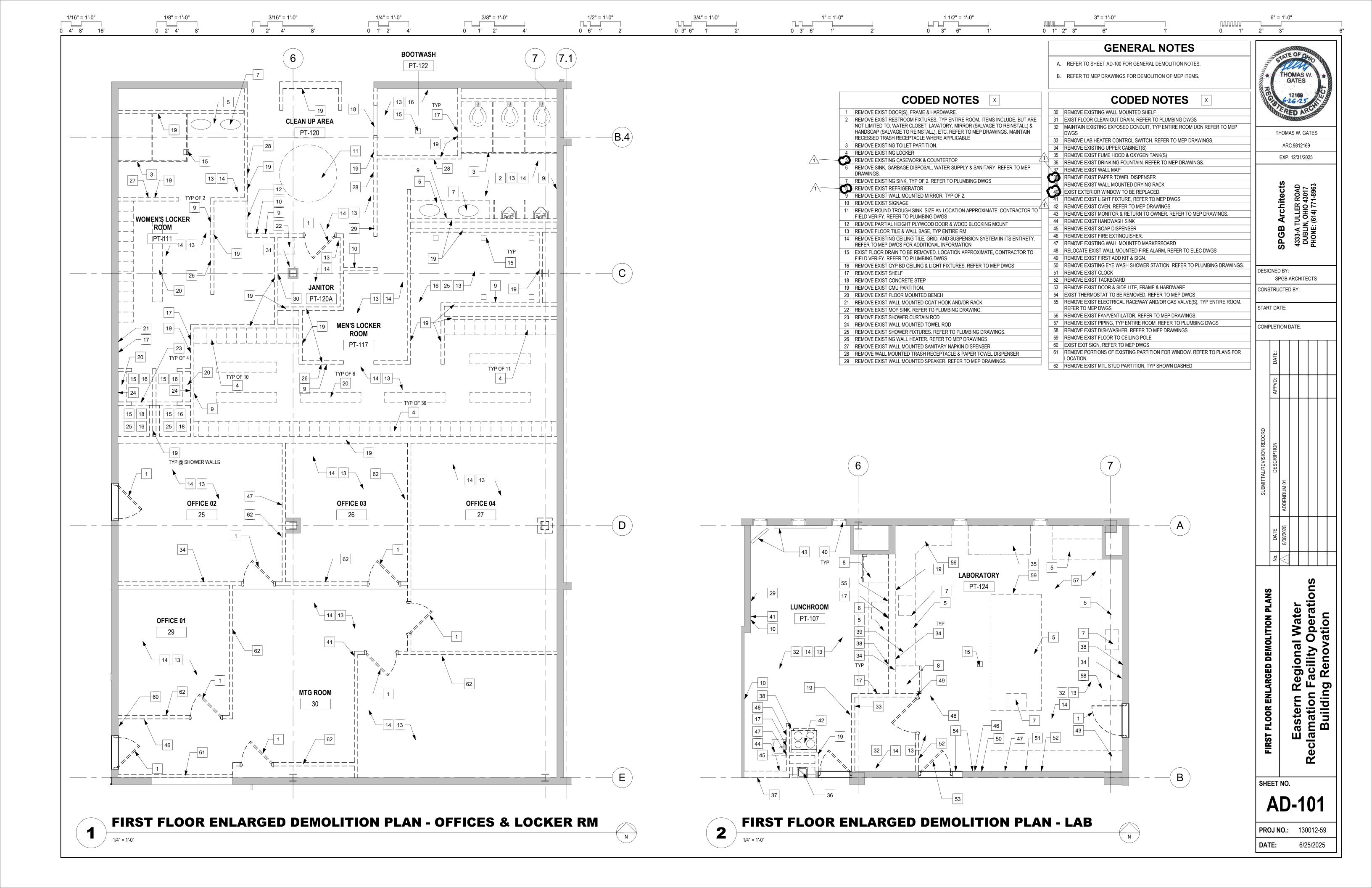
M-201

E-200

E-202







0 6" 1'

0 3" 6" 1'

0 3" 6"

0 4' 8' 16'

0 2' 4' 8

GENERAL NOTES

1 1/2" = 1'-0"

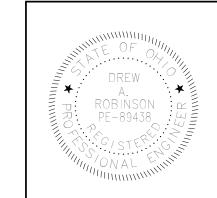
A. NO WORK IN SHADED AREA'S UNLESS NOTED OTHERWISE.

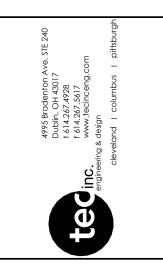
◇ PLAN NOTES

EXISTING VAV BOX WITH HOT WATER REHEAT COIL AND ALL ASSOCIATED EQUIPMENT AND CONTROLS TO REMAIN. MAINTAIN EXISTING THERMOSTAT AND LOCATION.

0 1" 2" 3"

- 2. EXISTING RECESSED HOT WATER CABINET UNIT HEATER AND ALL ASSOCIATED CONTROLS TO REMAIN.
- 3. EXISTING VAV BOX WITH HOT WATER REHEAT COIL TO REMAIN. REMOVE ALL DOWNSTREAM SUPPLY DUCTWORK FROM VAV BOX AND PERMANENTLY CAP AFTER HOT WATER COIL. THE VAV BOX IS TO BE ABANDONED IN PLACE. COIL ALL CONTROL WIRING INSIDE UNIT CONTROL BOX.
- 4. MAINTAIN EXISTING OUTSIDE AIR DUCTWORK AND ASSOCIATED LOUVER.
- 5. REMOVE VAV BOX WITH HOT WATER REHEAT COIL AND ALL ASSOCIATED EQUIPMENT AND CONTROLS COMPLETE. TURN OVER VAV BOX AND CONTROLS TO OWNER. REMOVE ALL ASSOCIATED DUCTWORK DOWNSTREAM AND UPSTREAM OF VAV BOX AND PERMANENTLY CAP DUCT AT MAIN. REMOVE ALL ASSOCIATED DIFFUSERS AND CONTROLS COMPLETE.
- REMOVE EXISTING "Z" TRANSFER DUCT IN CORRIDOR WALL COMPLETE. PATCH WALL AFTER REMOVAL OF DUCTWORK.
- 7. REMOVE EXISTING 12" DIA. FUME HOOD EXHAUST DUCTWORK AND ALL ASSOCIATED EQUIPMENT COMPLETE UP THROUGH MECHANICAL ROOM FLOOR. MAINTAIN EXISTING FLOOR OPENING AFTER REMOVAL OF DUCTWORK FOR NEW FUME HOOD EXHAUST DUCTWORK. REFER TO SHEET MD-102 FOR CONTINUATION OF DUCTWORK.
- 8. REMOVE 12" DIA. FUME HOOD AUXILIARY AIR DUCTWORK AND ALL ASSOCIATED EQUIPMENT COMPLETE UP THROUGH MECHANICAL ROOM FLOOR. PATCH FLOOR AFTER REMOVAL OF DUCTWORK. REFER TO SHEET MD-102 FOR CONTINUATION OF DUCTWORK.
- REMOVE EXISTING FUME HOOD AND ALL EQUIPMENT AND CONTROLS COMPLETE REFER TO ARCHITECTURAL PLANS FOR MORE INFORMATION ON REMOVAL OF FUME HOOD.
- 10. REMOVE ALL EXHAUST DUCTWORK AND ASSOCIATED GRILLES AND EQUIPMENT COMPLETE IN LOCKER ROOMS. MAINTAIN EXISTING 18"X18" FLOOR PENETRATION UP TO EXHAUST FAN PT-EF-4 LOCATED IN MECHANICAL ROOM ABOVE. SEE SHEET MD-102 FOR CONTINUATION OF DUCTWORK.
- 11. REMOVE SUPPLY DIFFUSER AND ALL ASSOCIATED EQUIPMENT AND DUCTWORK COMPLETE BACK TO LIMIT OF DEMOLITION SHOWN AND TEMPORARILY CAP DUCT PREPARE DUCT FOR NEW CONNECTION POINT.
- 12. REMOVE RETURN GRILLE IN CEILING COMPLETE. CLEAN GRILLE AND PRESERVE FOR REUSE IN NEW WORK PLAN.
- 13. REMOVE ELECTRIC UNIT HEATER AND ALL ASSOCIATED EQUIPMENT AND CONTROLS COMPLETE.
- 14. REMOVE EXISTING HOT WATER RADIATOR LOCATED ON WALL COMPLETE. REMOVE ALL ASSOCIATED HOT WATER SUPPLY AND RETURN PIPING, VALVES AND CONTROLS COMPLETE AND PERMANENTLY CAP PIPING AT MAIN.
- 15. REMOVE EXISTING THERMOSTAT ON WALL COMPLETE.
- 16. EXISTING VAV BOX WITH HOT WATER REHEAT TO REMAIN. REMOVE AND RELOCATE EXISTING THERMOSTAT SERVING ASSOCIATED VAV BOX AND MAINTAIN CONTROL WIRE. EXTEND CONTROL WIRING TO NEW LOCATION SHOWN IN NEW WORK PLAN.
- 17. REMOVE AND PRESERVE EXISTING THERMOSTAT FROM ASSOCIATED VAV BOX. PLACE THERMOSTAT AND COIL CONTROL WIRE INSIDE VAV CONTROL BOX AT UNIT. DISCONNECT CONTROLS FOR UNIT.
- 18. REMOVE EXISTING 4" DIA. DRYER VENT COMPLETE FROM EXISTING DRYER. PATCH WALL AFTER REMOVAL OF VENT.
- 19. REMOVE AND PRESERVE VAV BOX VAV-PT-4, AND ALL ASSOCIATED EQUIPMENT AND CONTROLS FOR RELOCATION SHOWN IN NEW WORK PLAN. REMOVE ALL ASSOCIATED DUCTWORK DOWNSTREAM AND UPSTREAM OF VAV BOX AND ALL ASSOCIATED DIFFUSERS COMPLETE. PERMANENTLY CAP DUCT AT MAIN.
- 20. REMOVE AND PRESERVE EXISTING DIFFUSER. SEE NEW WORK PLANS FOR REINSTALLATION LOCATIONS. WIPE CLEAN AFTER REINSTALLATION.





DESIGNED BY:
TEC INC. ENGINEERS

START DATE:

SUBMITTAL/REVISION RECORD

DATE

8/08/2025

ADDENDUM 01

SUBMITTAL/REVISION RECORD

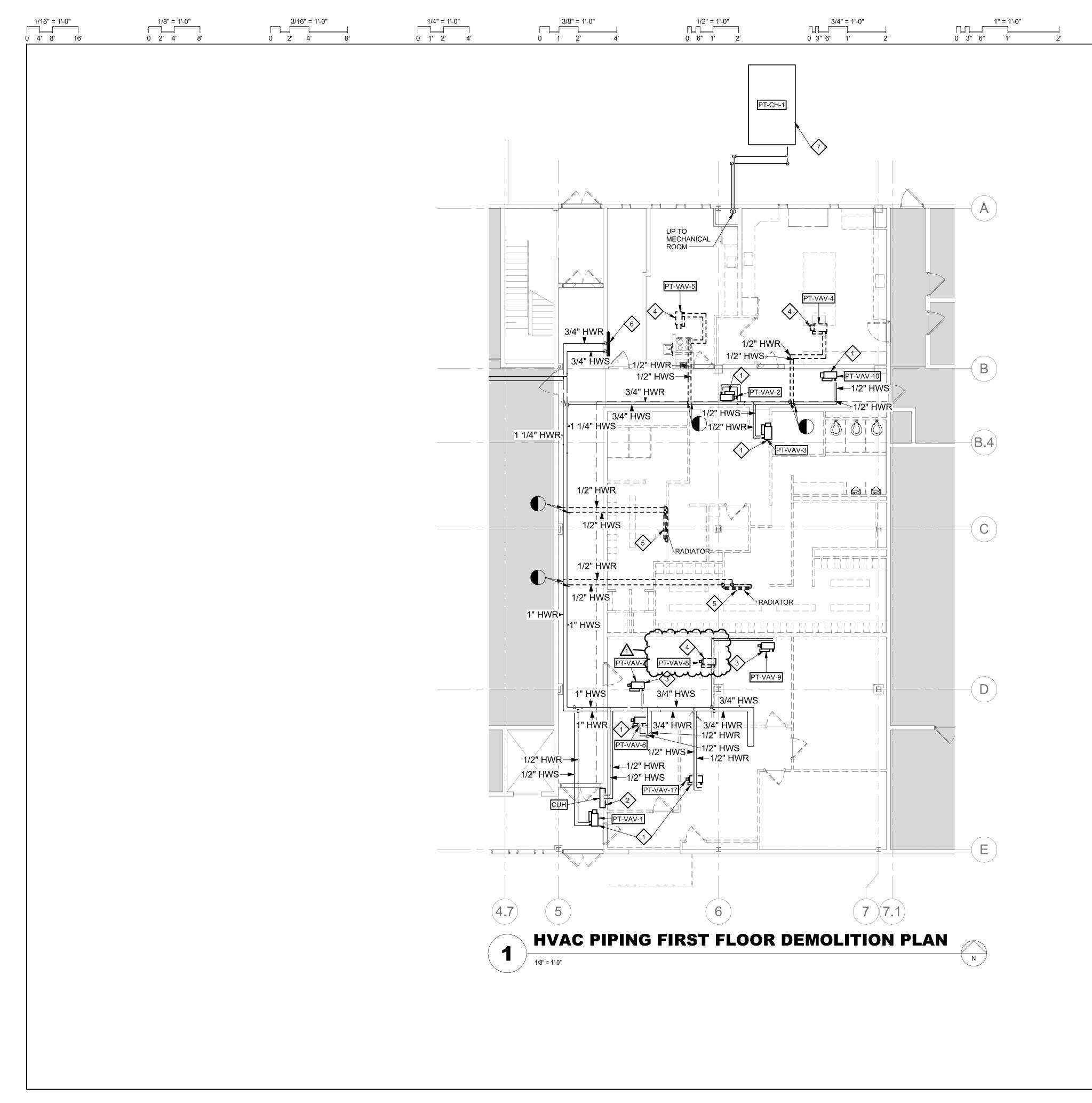
APPVD: DATE:

AP

Eastern Regional Water eclamation Facility Operation Building Renovation

SHEET NO.

MD-100



GENERAL NOTES

A. NO WORK IN SHADED AREA'S UNLESS NOTED OTHERWISE.

◇ PLAN NOTES

1 1/2" = 1'-0" 0 3" 6"

1. EXISTING VAV BOX WITH HOT WATER REHEAT COIL AND ALL ASSOCIATED EQUIPMENT AND CONTROLS TO REMAIN.

0 1" 2" 3"

- 2. EXISTING RECESSED HOT WATER CABINET UNIT HEATER AND ALL ASSOCIATED CONTROLS TO REMAIN.
- 3. EXISTING VAV BOX WITH HOT WATER REHEAT COIL TO REMAIN. MAINTAIN EXISTING HOT WATER SUPPLY AND RETURN PIPING AND ASSOCIATED VALVES AND EQUIPMENT. CLOSE SUPPLY AND RETURN VALVES AND DRAIN COIL. THE VAV BOX IS TO BE ABANDONED IN PLACE.
- 4. REMOVE ALL ASSOCIATED PIPING AND VALVES SERVING REMOVED AND PRESERVED VAV BOX AND REHEAT COIL COMPLETE. PERMANENTLY CAP PIPING AT MAIN.
- 5. REMOVE EXISTING HOT WATER RADIATOR LOCATED ON WALL COMPLETE. REMOVE ALL ASSOCIATED HOT WATER SUPPLY AND RETURN PIPING, VALVES AND CONTROLS COMPLETE AND PERMANENTLY CAP PIPING AT MAIN.
- 6. EXISTING RADIATOR TO REMAIN.
- 7. EXISTING AIR COOLED CHILLER AND ALL ASSOCIATED PIPING, EQUIPMENT, AND CONTROLS TO REMAIN.



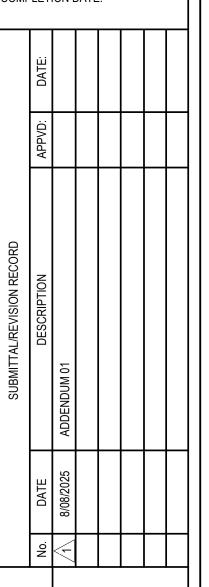


DESIGNED BY: TEC INC. ENGINEERS

START DATE:

CONSTRUCTED BY:

COMPLETION DATE:



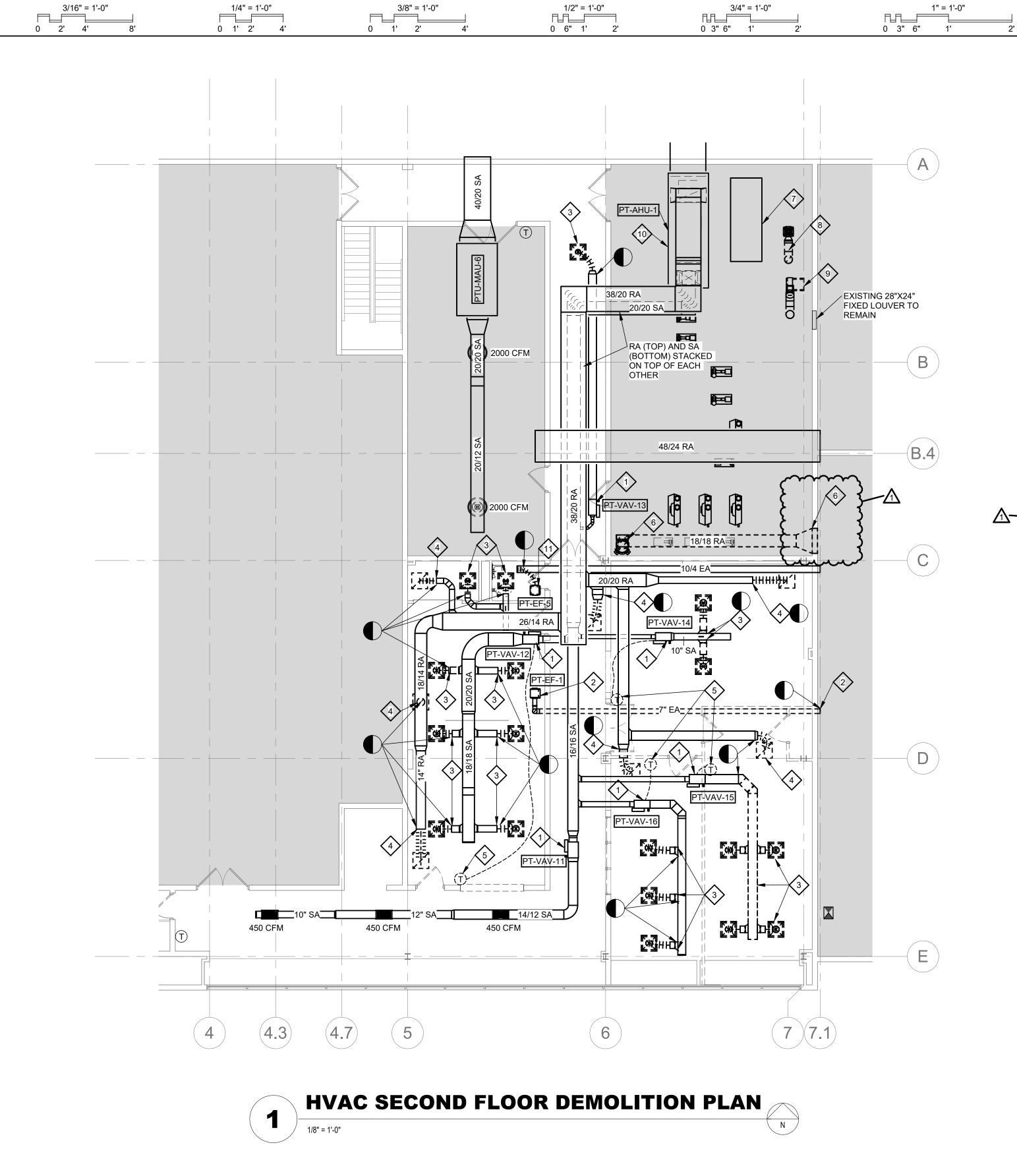
HVAC FIRST FLOOR PIPING DEMOLITION PLAN

Eastern Regional Water

Sclamation Facility Operation

SHEET NO.

MD-101



1/16" = 1'-0" 0 4' 8' 16' 1/8" = 1'-0" 0 2' 4' 8'

♦ PLAN NOTES

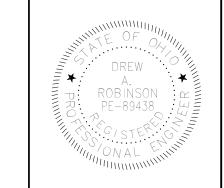
1 1/2" = 1'-0"

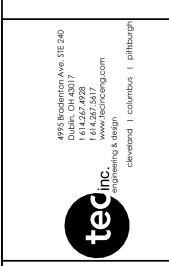
0 3" 6"

- I. EXISTING VAV BOX WITH HOT WATER REHEAT COIL AND ALL ASSOCIATED EQUIPMENT, PIPING, AND VALVES TO REMAIN.
- 2. REMOVE EXHAUST FAN PT-EF-1 AND ALL ASSOCIATED CONTROLS AND EQUIPMENT COMPLETE. REMOVE EXHAUST DUCTWORK BACK TO EXTERIOR WALL. PROVIDE BLANK OFF PLATE AT INSIDE FACE OF LOUVER, INSULATE THE VOID WITH WEATHER PROOF FOAM BOARD AND PERMANENTLY CAP DUCTWORK AT LOUVER.

0 1" 2" 3"

- 3. REMOVE SUPPLY DIFFUSER AND ALL ASSOCIATED EQUIPMENT AND BRANCH DUCTWORK BACK TO LIMIT OF DEMOLITION SHOWN AND TEMPORARILY CAP. PREPARE DUCT FOR NEW CONNECTION POINT. PRESERVE EXISTING DIFFUSER. SEE NEW WORK PLANS FOR REINSTALLATION LOCATIONS. WIPE CLEAN AFTER REINSTALLATION.
- 4. REMOVE RETURN GRILLE AND ALL ASSOCIATED EQUIPMENT AND DUCTWORK BACK TO LIMIT OF DEMOLITION SHOWN AND TEMPORARILY CAP. PREPARE DUCT FOR NEW CONNECTION. CLEAN GRILLE AND PRESERVE FOR REUSE IN NEW WORK PLAN.
- 5. REMOVE AND RELOCATE EXISTING THERMOSTAT SERVING VAV BOX AND MAINTAIN CONTROL WIRE. EXTEND CONTROL WIRING TO NEW LOCATION SHOWN IN NEW WORK PLAN.
- 6. REMOVE IN-LINE EXHAUST FAN PT-EF-4 SERVING LOCKER ROOMS BELOW AND ALL ASSOCIATED EQUIPMENT, DUCTWORK AND CONTROLS COMPLETE. REMOVE EXHAUST DUCTWORK AND EXTERIOR LOUVER COMPLETE. COORDINATE RATED WALL INFILL WITH ARCHITECTURAL DRAWINGS.
- 7. PREPARE EXISTING CONCRETE PAD FOR EXTENSION FOR NEW ERV UNIT. GRIND DOWN EXISTING METAL REBAR STICKING UP FROM PAD. SEE STRUCTURAL PLANS FOR MORE INFORMATION ON NEW CONCRETE PAD.
- 8. REMOVE EXISTING FUME HOOD EXHAUST FAN HANGING FROM CEILING AND ALL ASSOCIATED EQUIPMENT, DUCTWORK AND CONTROLS COMPLETE. REMOVE EXHAUST DUCTWORK UP FROM FLOOR BELOW AND MAINTAIN OPENING. REMOVE EXHAUST WEATHER CAP UP THROUGH ROOF AND TEMPORARILY COVER ROOF OPENING. ROOF AND FLOOR OPENINGS TO BE RE-USED AND MADE ENLARGED TO ACCOMMODATE NEW EXHAUST DUCTWORK.
- 9. REMOVE FUME HOOD AUXILIARY AIR SUPPLY FAN ON MECHANICAL ROOM FLOOR AND ALL ASSOCIATED EQUIPMENT, DUCTWORK AND CONTROLS COMPLETE. PATCH FLOOR AFTER REMOVAL OF DUCTWORK. SEE STRUCTURAL FOR MORE INFORMATION ON FLOOR PATCH.
- 10. EXISTING AIR HANDLING UNIT PT-AHU-1 AND ALL ASSOCIATED EQUIPMENT, DUCTWORK AND CONTROLS TO REMAIN. UNIT TO BE REBALANCED TO ACCOMMODATE NEW AIRFLOW IN NEW WORK PLAN.
- 11. REMOVE EXISTING CEILING EXHAUST FAN IN RESTROOM AND ASSOCIATED CONTROLS AND DUCTWORK COMPLETE. TEMPORARILY CAP DUCT AT EXISTING 10"X4" MAIN ABOVE. PREPARE DUCTWORK FOR NEW CONNECTION POINT IN NEW WORK.



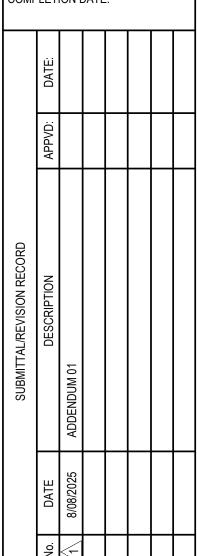


DESIGNED BY: TEC INC. ENGINEERS

START DATE:

CONSTRUCTED BY:

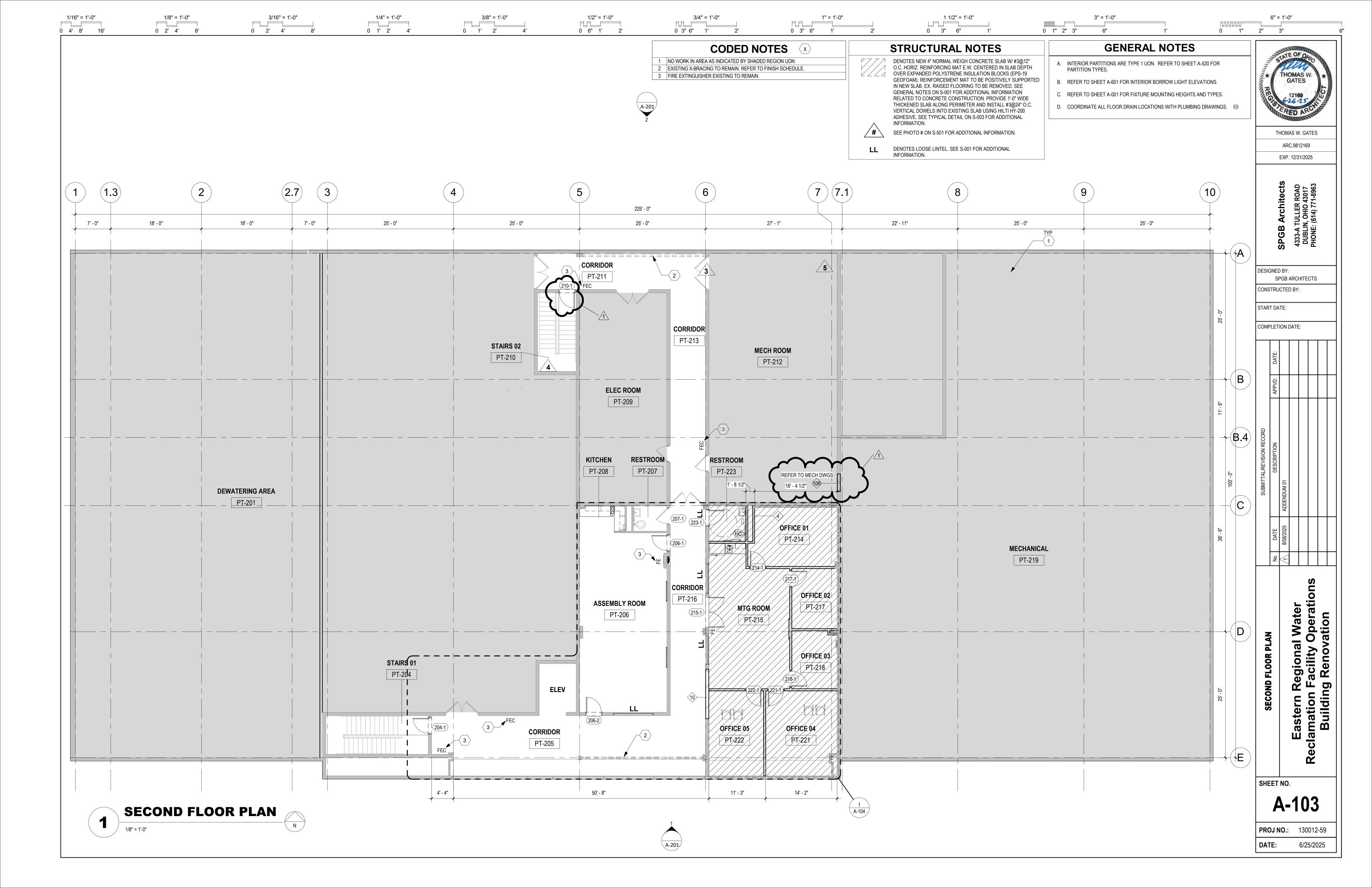
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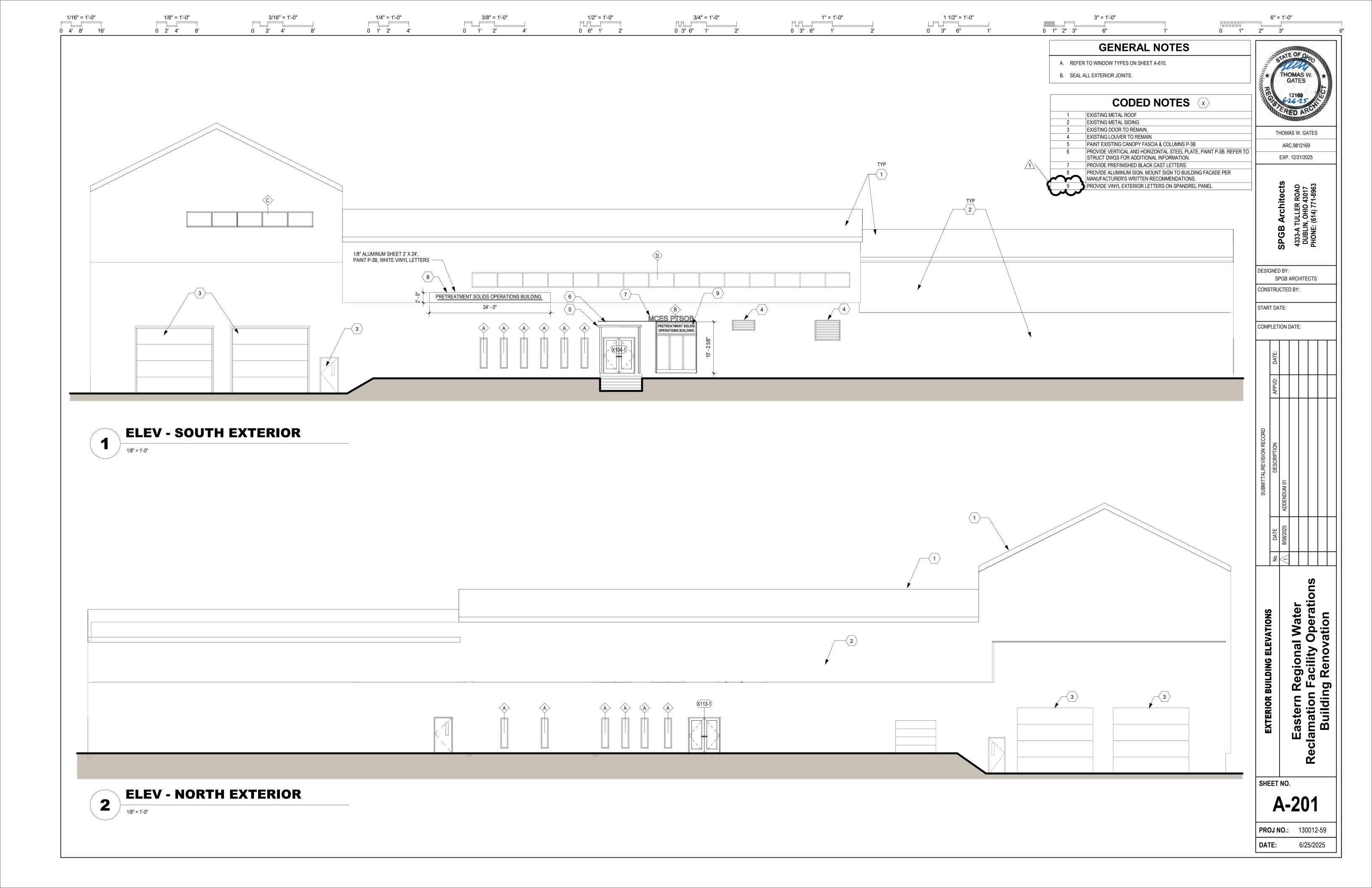


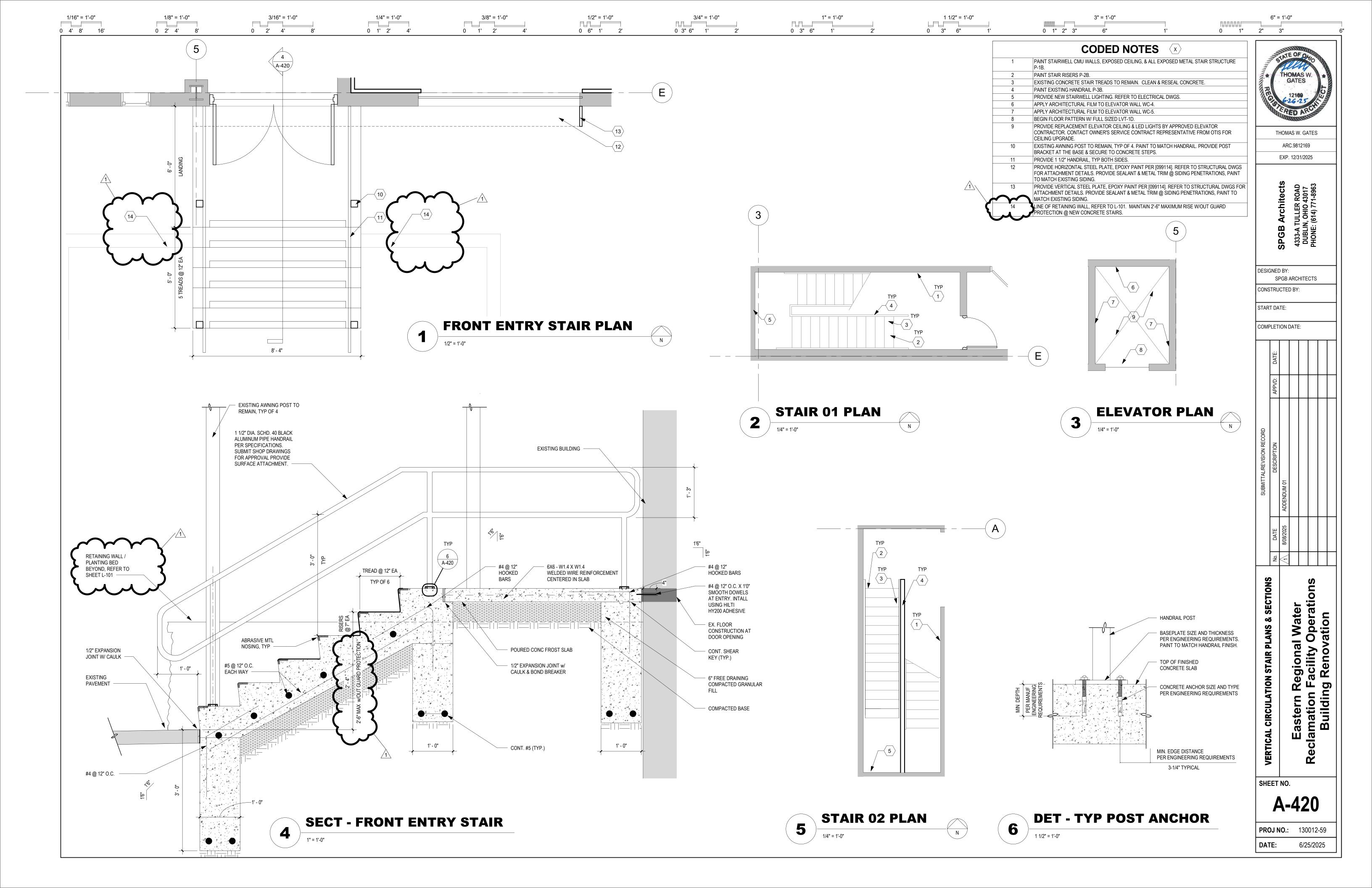
Eastern Regional Water Reclamation Facility Operatio Building Renovation

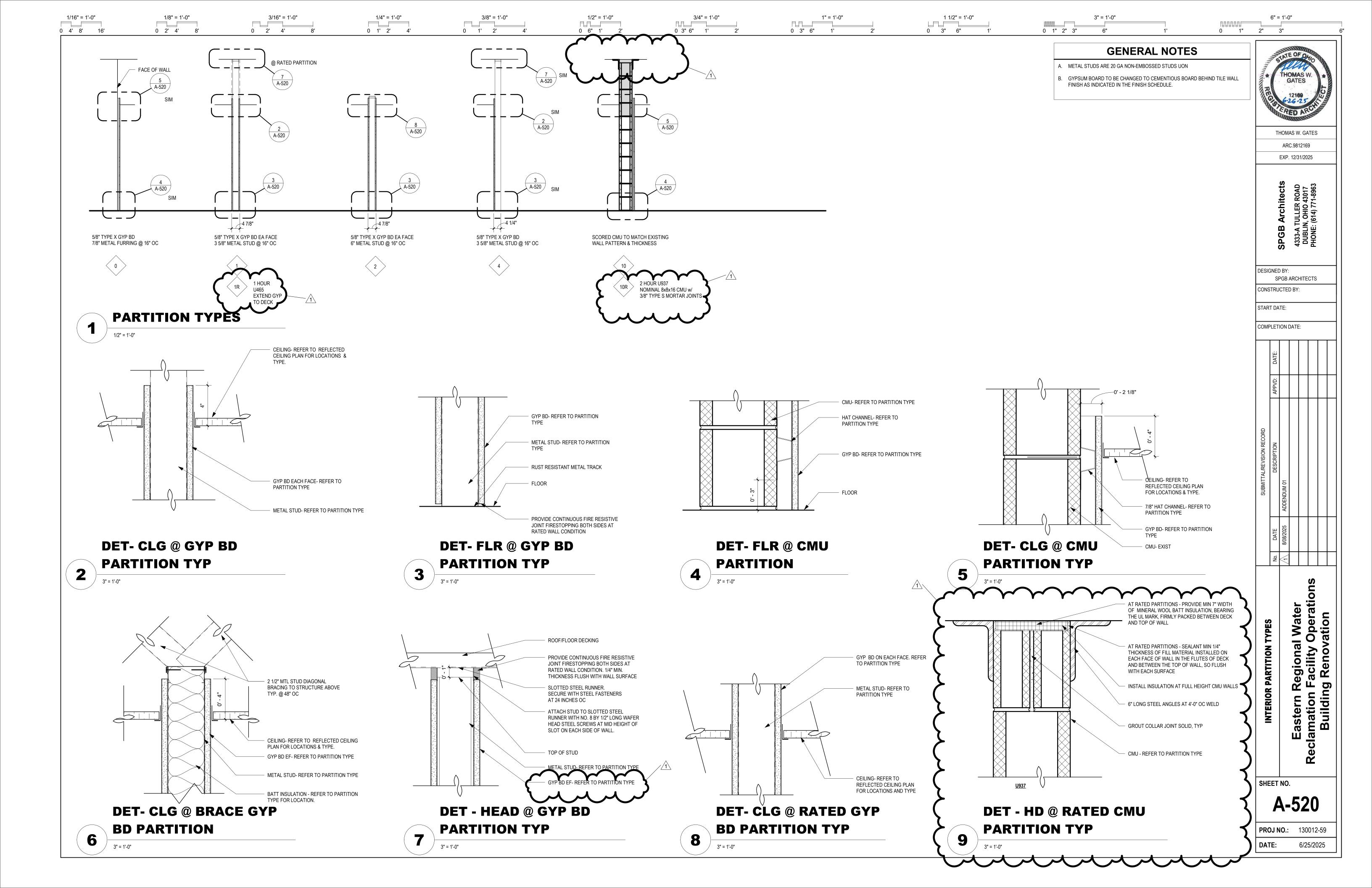
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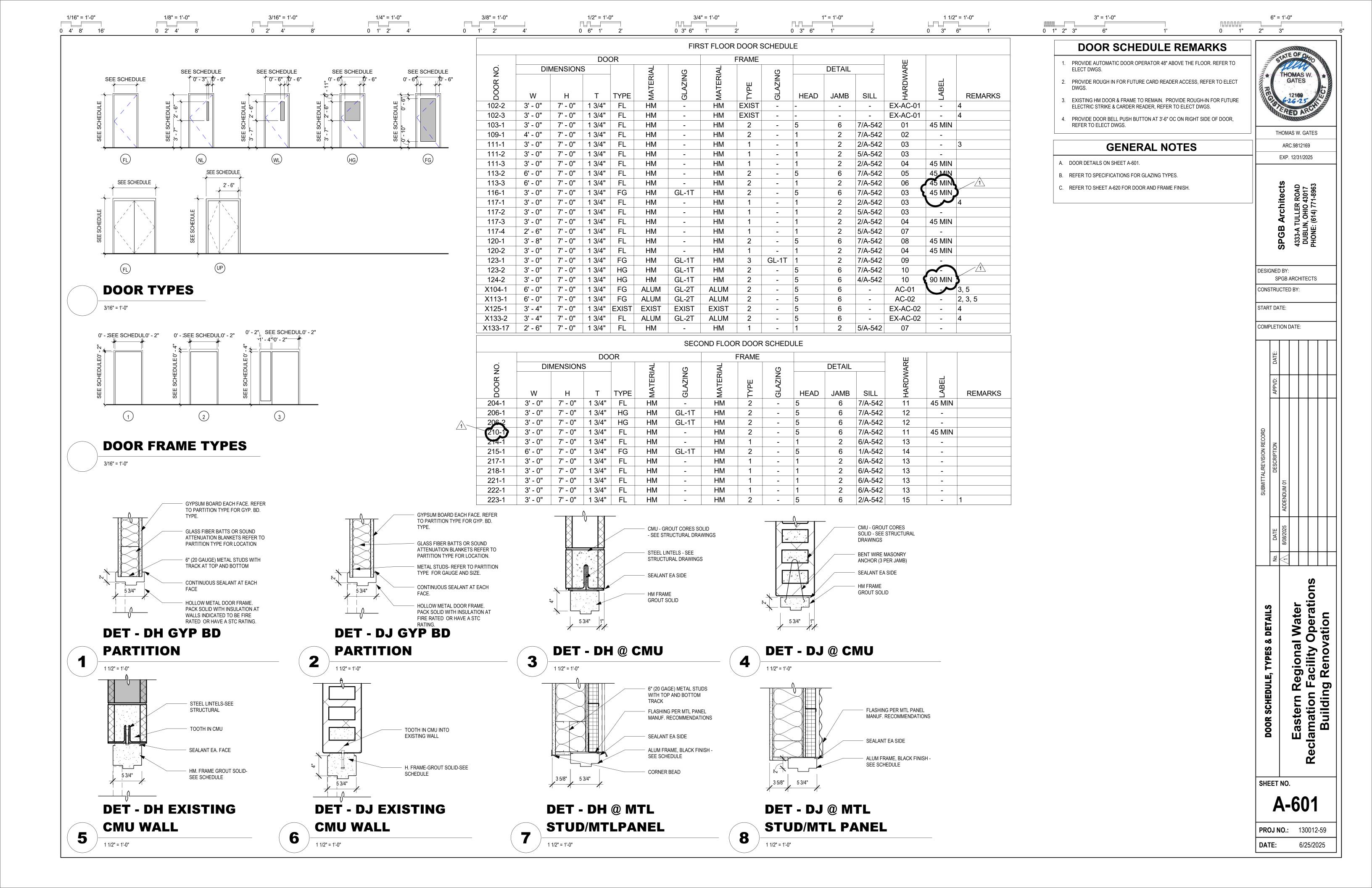
MD-102











1/4" = 1'-0"

COLD CONDENSATE DRAIN

0 6" 1'

GENERAL REQUIREMENTS:

CODES: INSTALL ALL WORK AND MATERIALS PER STATE, LOCAL, AND NATIONAL CODES. CONTRACTOR SHALL BEAR TOTAL RESPONSIBILITY OF INSTALLING THEIR WORK PER CODES AND REGULATIONS PER AUTHORITY HAVING JURISDICTION. EACH CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND FEES, AND FILE ALL DOCUMENTS AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.

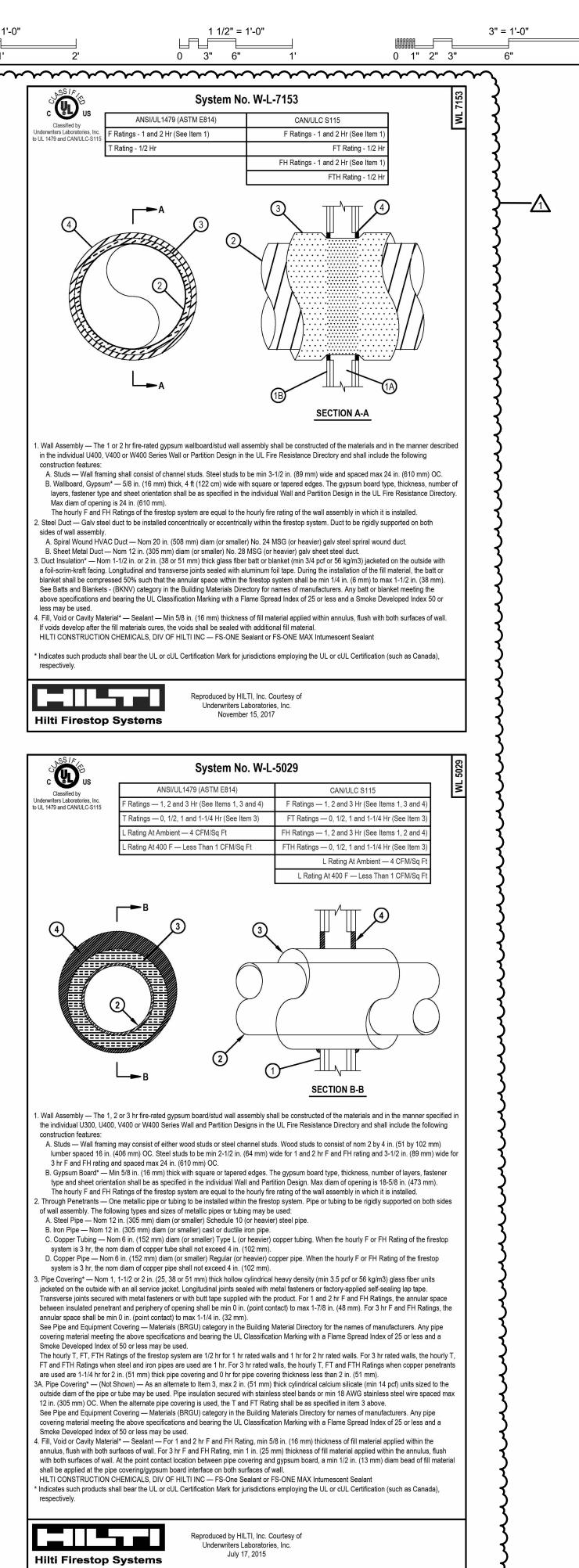
0 3" 6" 1'

0 3" 6"

- 2. MATERIALS: FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND DETAILS TO FINISH THE WORK NECESSARY FOR A COMPLETE AND OPERABLE SYSTEM. ALL MATERIAL SHALL BE NEW AND UNDETERIORATED AND INSTALLED IN A WORKMANLIKE MANNER, ACCEPTABLE TO THE OWNER, BY CRAFTSMAN SKILLED IN THE TRADE. WORK THAT IS UNACCEPTABLE TO THE OWNER OR INSPECTION AGENCIES SHALL BE CORRECTED AT NO ADDITIONAL COST.
- 3. LOCATIONS: THE DRAWINGS ARE SCHEMATIC IN NATURE AND EXACT LOCATIONS SHALL BE DETERMINED BY FIELD CONDITIONS. SOME MINOR RELOCATION MAY BE NECESSARY FOR PROPER ACCESS TO EQUIPMENT FOR MAINTENANCE, TO SOLVE CONFLICTS, ETC. AND SHALL BE DONE AT NO ADDITIONAL COST.
- MANUFACTURERS: ALL EQUIPMENT AND MATERIAL IS SPECIFIED TO BE BY ONE CERTAIN MANUFACTURER. HOWEVER, THE CONTRACTOR MAY USE OTHER MANUFACTURERS IF THEIR PRODUCT IS ACCEPTABLE TO THE OWNER, HAS SIMILAR QUALITY, CONFIGURATION, PERFORMANCE, SOUND CHARACTERISTICS, APPLICATION RECOMMENDATION, SPACE REQUIREMENTS, ETC. IF ANOTHER MANUFACTURER IS CHOSEN, IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT THE ABOVE CRITERION IS MET.
- 5. CLEAN AND PAINT: CLEAN SYSTEMS AND EQUIPMENT BEFORE FINAL ACCEPTANCE BY OWNER. CLEAN RUST APPEARING ON FACTORY FINISHED EQUIPMENT AND REPAINT TO FACTORY FINISH. ALL HANGERS, STEEL SUPPORTS, AND CONTRACTOR SHALL PAINT ALL HANGERS, STEEL SUPPORTS, AND MISCELLANEOUS IRON WITH ONE PRIME COAT AND ONE FINISH COAT OF BLACK ENAMEL.
- 6. COMPLETION ITEMS: UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL TURN OVER TO THE OWNER THE FOLLOWING ITEMS:
 - TWO COPIES OF THE OPERATING AND MAINTENANCE MANUALS, CONTAINING A DESCRIPTION OF EACH SYSTEM, A COPY OF EACH SHOP DRAWING AND OPERATING AND MAINTENANCE INSTRUCTIONS ON ALL ITEMS FURNISHED.
 - B. A LETTER GUARANTEE AND ALL WARRANTIES.
 - C. ALL BUILDING INSPECTION CERTIFICATES.
 - "AS BUILT" DRAWINGS, NEATLY MARKED IN RED SHOWING ALL DEVIATIONS FROM THE PLANS.
- 7. SYSTEM START-UP: UPON COMPLETION, CONTRACTOR SHALL CLEAN, LUBRICATE, CHARGE, AND BALANCE ALL SYSTEMS AND PLACE IN OPERATION. ANY FILTERS SHALL BE REPLACED WITH MERV 13 FILTERS. STRAINERS, ETC. THAT ARE DIRTY SHALL BE REPLACED WITH NEW STRAINER SCREENS.
- GUARANTEE: THE CONTRACTOR SHALL GUARANTEE THAT THE INSTALLATION IS FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP AND WILL PROMPTLY REPAIR OR REPLACE DEFECTS FOR ONE YEAR FROM DATE OF ACCEPTANCE BY THE OWNER. EXTENDED WARRANTY IS SPECIFIED IN EQUIPMENT SPECIFICATIONS.
- 9. MANUFACTURER'S INSTRUCTIONS: INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS. IF MANUFACTURER'S INSTRUCTIONS CONFLICT WITH THE DRAWINGS OR APPLICABLE BUILDING CODES, THE CONTRACTOR SHALL BRING SUCH CONFLICTS TO THE ATTENTION OF THE OWNER WHO SHALL DETERMINE WHICH REQUIREMENTS APPLY.
- 0. BEFORE THE NEW SPACE CONDITIONING SYSTEMS ARE OPERATED FOR NORMAL USE, BALANCE EACH SYSTEM IN ACCORDANCE WITH PROCEDURES DEFINED BY THE ASSOCIATED AIR BALANCE COUNCIL (AACB) NATIONAL STANDARDS.
- 1. FOLLOWING COMPLETION OF THE TESTING AND ADJUSTING AND BALANCING, SUBMIT TO THE DESIGN PROFESSIONAL A FINAL REPORT OF THE TESTING, SIGNED BY THE INDIVIDUAL RESPONSIBLE FOR PERFORMING THOSE SERVICES.

GENERAL NOTES:

- 1. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF THERMOSTATS, DIFFUSERS, AND OTHER SIMILAR ITEMS.
- 2. FOR CLARITY ON DRAWINGS, ALL PIPING EQUIPMENT FOR CHILLED AND HOT WATER SYSTEMS ARE LOCATED IN DETAILS ON SHEETS H-501 & H-502.
- 3. PROVIDE SHUT-OFF VALVES ON ALL PIPE BRANCHES FROM MAIN.
- 4. PROVIDE VOLUME DAMPERS ON ALL BRANCH DUCTWORK.
- 5. CEILING SPACE IS VERY LIMITED. COORDINATE ALL PIPE AND DUCT ROUTING, ABOVE CEILING, WITH ALL OTHER TRADES.
- 6. MAKE ALL FINAL PIPING CONNECTIONS COMPLETE TO ALL MECHANICAL EQUIPMENT.
- MAINTAIN MANUFACTURER'S REQUIRED CLEARANCES FOR MAINTENANCE FOR ALL MECHANICAL EQUIPMENT.
- 8. ALL TEMPERATURE CONTROLLERS/SENSORS TO BE MOUNTED 54" AFF.







DESIGNED BY:
TEC INC. ENGINEERS
CONSTRUCTED BY:

START DATE:

COMPLETION DATE:

stern Regional Water nation Facility Operations

Ø

SHEET NO.

M-00

0 6" 1' 2

0 3" 6" 1'

0 3" 6"

1/4" = 1'-0"

0 4' 8' 16'

0 2' 4' 8

GENERAL NOTES:

1 1/2" = 1'-0"

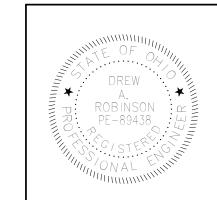
A. MAJORITY OF EXISTING DIFFUSERS/GRILLES TO BE PRESERVED AND RE-INSTALLED IN NEW CEILING GRIDS. REBALANCE EXISTING DIFFUSERS/GRILLES TO NEW AIRFLOW NOTED ON DRAWING. NEW DIFFUSERS/GRILLES ARE LABELED WITH IDENTIFICATION TAG (E.G., "D-1", 'G-1). EXISTING DEVICES FOR REUSE ARE NOT LABELED.

0 1" 2" 3"

B. PROVIDE EXISTING RETURN GRILLES BEING REINSTALLED WITH NEW DUCT BOOTS FOR DUCTED CONNECTION.

> PLAN NOTES:

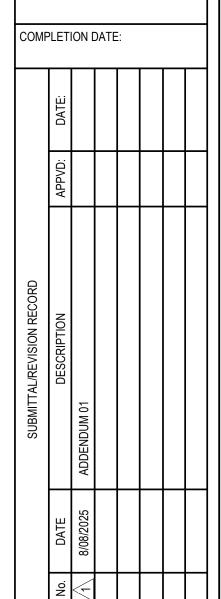
- PROVIDE LAB SUPPLY AIR VALVE PT-SV-1, WITH (2) HOT WATER REHEAT COILS, PT-RH-1 & 2, AND INSTALL PER MANUFACTURER'S INSTRUCTIONS. PROVIDE ALL REQUIRED CONTROLS, EQUIPMENT, AND PIPING FOR A COMPLETE INSTALLATION AND OPERATION OF UNIT. PROVIDE HOT WATER REHEAT COILS PT-RH-1 & 2, AND NECESSARY DUCT TRANSITIONS TO AND FROM COILS. PROVIDE TEMPERATURE SENSORS ON INLET OF VALVE AND OUTLET OF EACH REHEAT COIL AND CONNECT INTO EXISTING DDC SYSTEM FOR MONITORING. SEE SHEET M-201 FOR MORE INFORMATION ON PIPING. MAINTAIN MANUFACTURER'S REQUIRED CLEARANCES FOR SERVICE OF UNIT.
- 2. PROVIDE FUME HOOD EXHAUST AIR VALVE PT-FEV-1, FOR ASSOCIATED FUME HOOD SHOWN AND INSTALL PER MANUFACTURER'S INSTRUCTIONS. PROVIDE ALL REQUIRED CONTROLS AND EQUIPMENT FOR A COMPLETE INSTALLATION AND OPERATION OF UNIT. MAINTAIN MANUFACTURER'S REQUIRED CLEARANCES FOR SERVICE OF UNIT. MOUNT EXHAUST VALVE IN VERTICAL POSITION ABOVE FUME HOOD WITH VALVE CONTROLS EXPOSED FOR PROPER ACCESS. DUCTWORK TO BE CPVC.
- 3. PROVIDE GENERAL EXHAUST AIR VALVE PT-GEV-1, AND INSTALL PER MANUFACTURER'S INSTRUCTIONS. PROVIDE ALL REQUIRED CONTROLS AND EQUIPMENT FOR A COMPLETE INSTALLATION AND OPERATION OF UNIT. MAINTAIN MANUFACTURER'S REQUIRED CLEARANCES FOR SERVICE OF UNIT. DUCTWORK TO BE CPVC.
- 4. PROVIDE NEW 22"X10" RETURN DUCTWORK AND CONNECT INTO EXISTING RETURN OPENING FROM AIR HANDLING UNIT PT-AHU-1 AT FLOOR SLAB ABOVE COMPLETE WITH PROPER DUCT TRANSITIONS. FIELD ROUTE NEW DUCTWORK ABOVE CEILING TO NEW BREAK ROOM AREA. COORDINATE ROUTING WITH ALL TRADES AND EXISTING CONDITIONS.
- 5. INSTALL RELOCATED EXISTING VAV BOX PT-VAV-4 AT THIS LOCATION. PROVIDE ALL REQUIRED CONTROLS, EQUIPMENT, AND PIPING FOR A COMPLETE INSTALLATION AND OPERATION OF UNIT. PROVIDE ASSOCIATED WIRED TEMPERATURE SENSOR FOR UNIT SHOWN ON PLANS AND MOUNT 54" AFF. MAINTAIN MANUFACTURER'S REQUIRED CLEARANCES AROUND UNIT. SEE SHEET M-201 FOR MORE INFORMATION ON PIPING.
- 6. EXISTING VAV BOX TO BE REBALANCED TO MEET CFM SHOWN ON SCHEDULE.
- 7. PROVIDE A NEW 4" DIA. DRYER VENT AND RUN FLEXIBLE DUCT FROM THE DRYER UP TO THE CEILING AND CONNECT TO THE HARD DUCT CONNECTION AT CEILING LEVEL. FIELD ROUTE 4" DIA. DRYER EXHAUST DUCT ABOVE THE CEILING TO THE EXTERIOR WALL AS SHOWN. INSTALL A DRYER VENT WALL TERMINATION CAP WITH AN INTEGRAL BACKDRAFT DAMPER. MAINTAIN A MINIMUM OF 10 FEET AWAY FROM ANY INTAKE LOUVERS.
- . ROUTE 18"X18" EXHAUST DUCTWORK UP THROUGH EXISTING OPENING IN FLOOR SLAB INTO MECHANICAL ROOM ABOVE. SEE SHEET H-202 FOR CONTINUATION OF DUCTWORK.
- 9. PROVIDE NEW CANOPY STYLE VENTLESS RANGE HOOD FOR NEW ELECTRIC RANGE. VENTLESS RANGE HOOD TO BE SIMILAR TO DENLAR MODEL D1030-F; 30" WIDE; 120V/1PH; 1.38 AMPS; MEETS UL-507, UL-300A, AND NSF CERTIFIED; INTEGRAL PRE-ENGINEERED FIRE SUPPRESSION SYSTEM AND INTEGRAL SHUT-OFF TO COOKING APPLIANCE; FRONT DISCHARGE RECIRCULATING HOOD; TOP COVER. PROVIDE FACTORY-FURNISHED ELECTRICAL DISCONNECT (WITH NEMA 10-50R OR 14-50R RECEPTACLE AND SHUNT-TRIP) FOR ELECTRIC RANGE TO ALLOW SHUT-OFF IN THE EVENT OF A FIRE. COORDINATE EXACT RECEPTACLE TYPE AND CONFIGURATION WITH ELECTRICAL CONTRACTOR AND SELECTED RANGE.
- 10. ROUTE NEW 12" DIA. LAB GENERAL EXHAUST DUCTWORK THROUGH EXISTING FLOOR OPENING UP TO MECHANICAL ROOM ABOVE. SEE SHEET M-202 FOR CONTINUATION OF DUCTWORK.
- 11. INSTALL RELOCATED THERMOSTAT IN NEW LOCATION SHOWN AND CONNECT INTO ASSOCIATED VAV BOX. MOUNT THERMOSTAT 54" AFF.
- 12. PROVIDE NEW THERMOSTAT AND MOUNT 54" AFF. CONNECT INTO ASSOCIATED VAV BOX/REHEAT COIL SHOWN.





DESIGNED BY:
TEC INC. ENGINEERS
CONSTRUCTED BY:

START DATE:

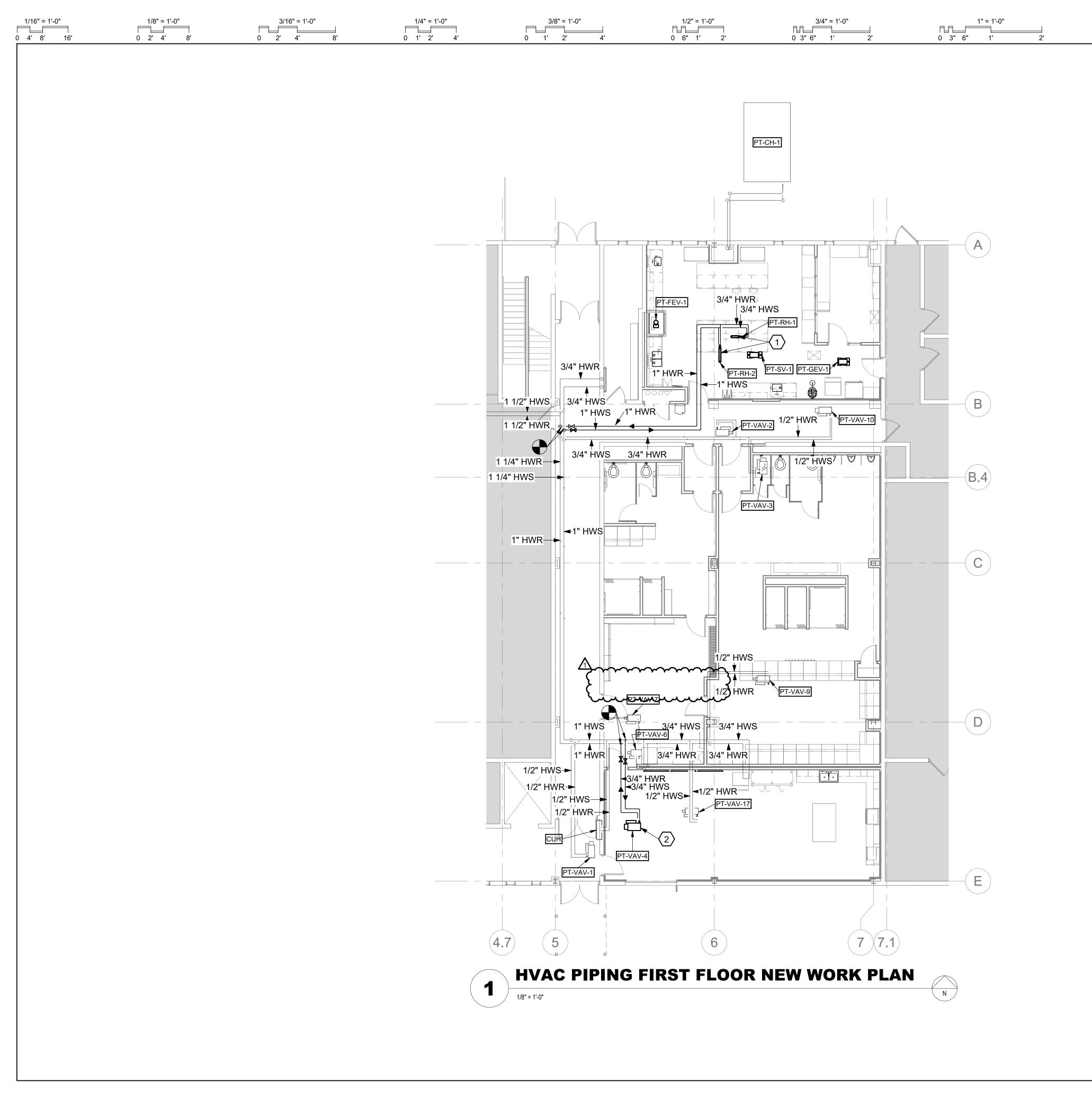


Eastern Regional Water clamation Facility Operatio Building Renovation

SHEET NO.

WORK PLAN

M-200



GENERAL NOTES

1 1/2" = 1'-0" 0 3" 6" 1

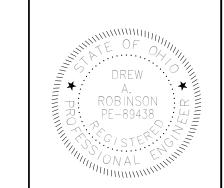
- A. NO WORK IN SHADED AREA'S UNLESS NOTED OTHERWISE.
- FOR CLARITY ON DRAWINGS, ALL PIPING EQUIPMENT FOR REHEAT COILS ARE FOUND ON SHEET M-301.

0 1" 2" 3"

C. BALANCE ALL NEW AND EXISTING REHEAT COILS TO GPM SHOWN ON SCHEDULES.

PLAN NOTES

- PROVIDE HOT WATER REHEAT COIL AND INSTALL IN DUCTWORK PER MANUFACTURER'S INSTRUCTIONS WITH PROPER DUCT TRANSITIONS. PROVIDE ALL REQUIRED CONTROLS, EQUIPMENT, AND PIPING FOR A COMPLETE INSTALL AND OPERATION OF UNIT. PROVIDE ALL REQUIRED VALVES AND PIPING EQUIPMENT FOR REHEAT COIL AND MAKE ALL FINAL PIPING CONNECTIONS COMPLETE. SEE DETAIL 9 ON SHEET M-301 FOR MORE INFORMATION ON COIL PIPING EQUIPMENT.
- 2. REINSTALL RELOCATED VAV BOX PT-VAV-4 WITH HOT WATER REHEAT COIL PER MANUFACTURER'S INSTRUCTIONS. INSTALL ALL REQUIRED CONTROLS, PIPING, EQUIPMENT, AND VALVES FOR A COMPLETE INSTALL AND OPERATION OF UNIT. MAKE ALL FINAL PIPING CONNECTION TO COIL COMPLETE. SEE DETAIL 9 ON SHEET M-301 FOR MORE INFORMATION ON COIL PIPING EQUIPMENT.



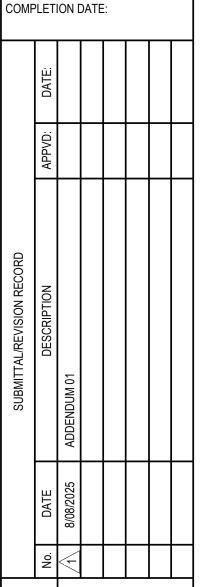


DESIGNED BY: TEC INC. ENGINEERS

START DATE:

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HVAC FIRST FLOOR PIPING NEW WORK PLAN

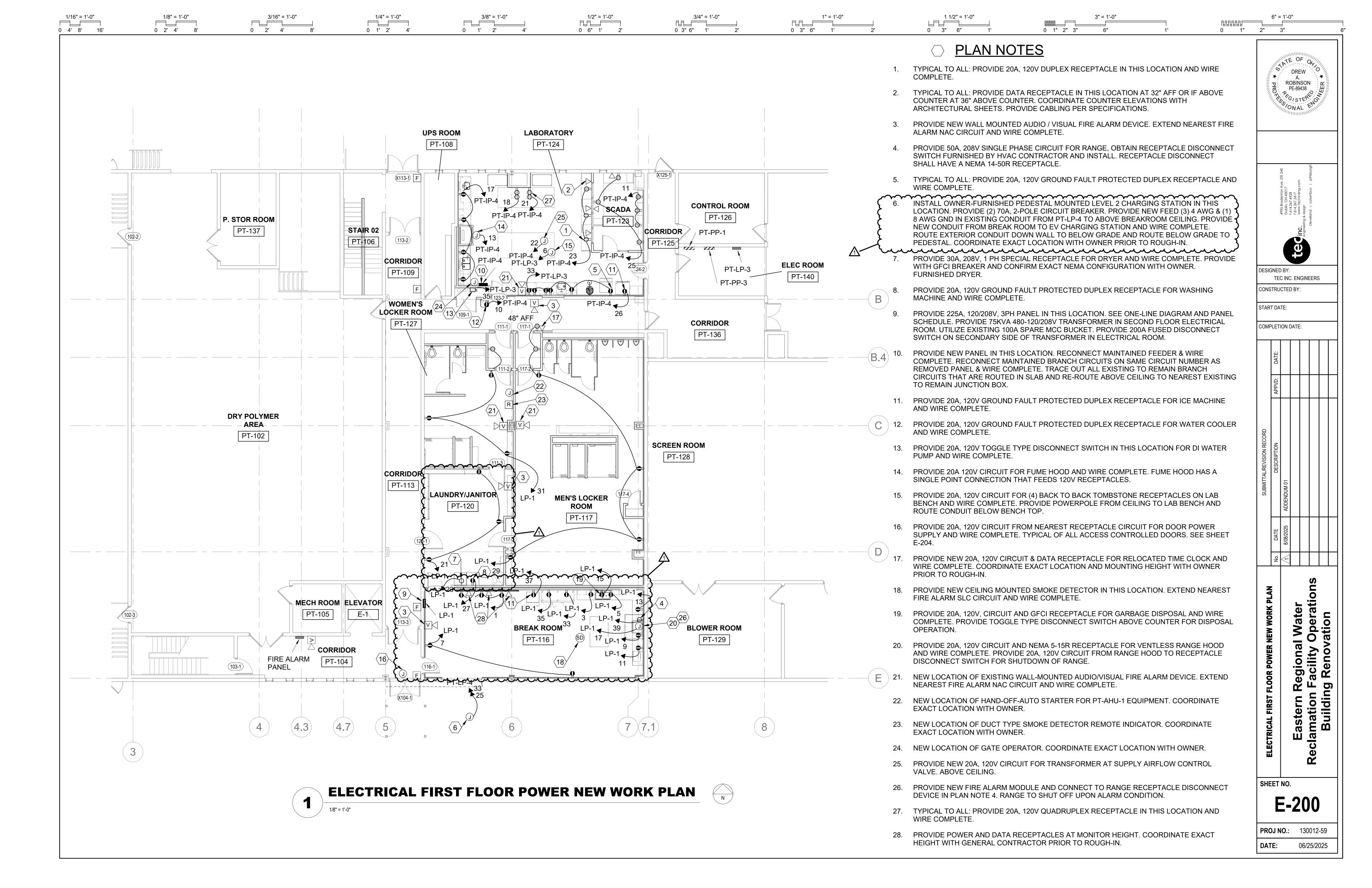
Eastern Regional Water

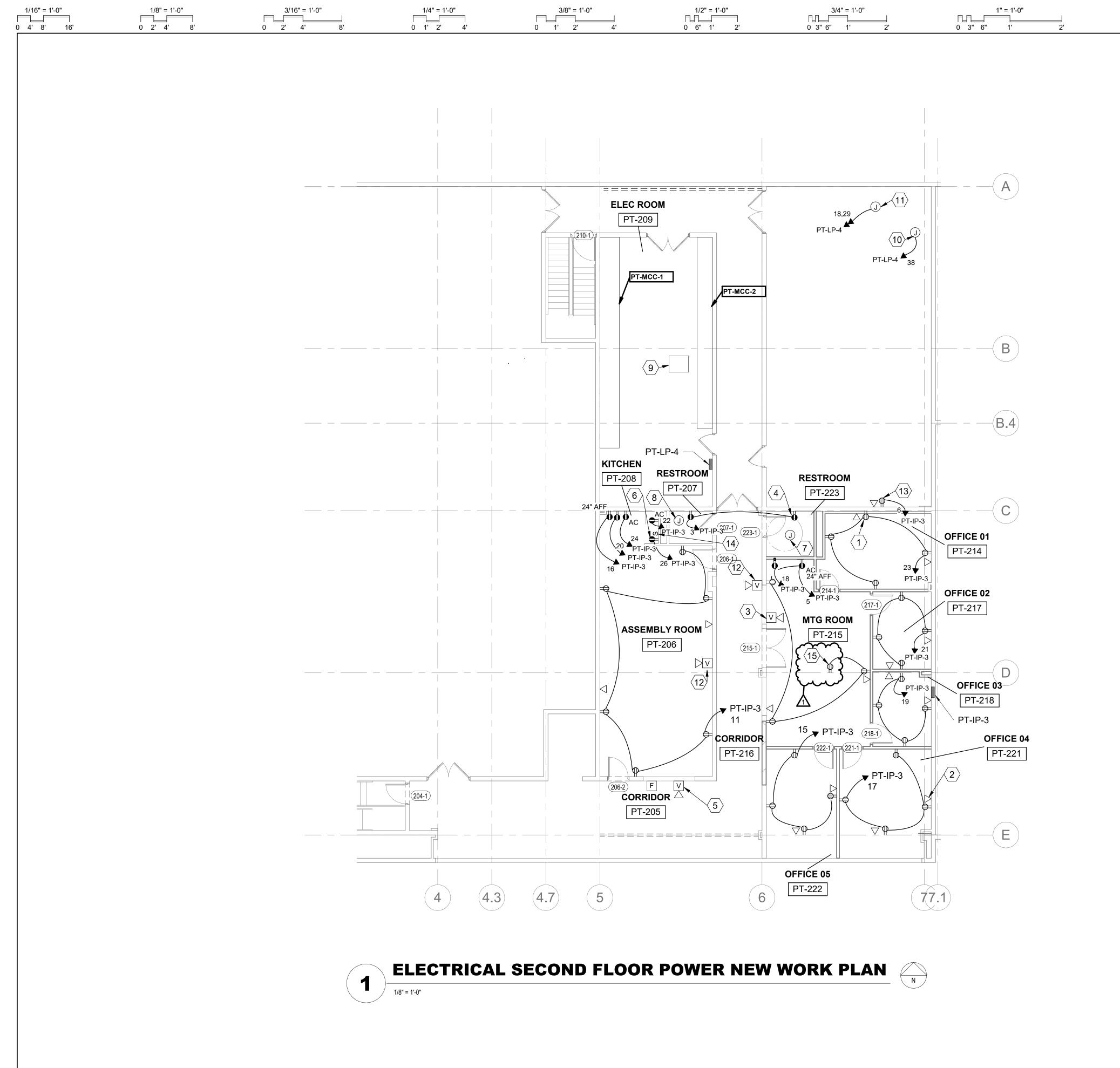
sclamation Facility Operation

Renovation

SHEET NO.

M-201





PLAN NOTES

1 1/2" = 1'-0"

0 3" 6"

TYPICAL TO ALL: PROVIDE 20A, 120V DUPLEX RECEPTACLE IN THIS LOCATION AND WIRE COMPLETE.

0 1" 2" 3"

- 2. TYPICAL TO ALL: PROVIDE DATA RECEPTACLE IN THIS LOCATION AT 32" AFF OR IF ABOVE COUNTER AT 36" ABOVE COUNTER. COORDINATE COUNTER ELEVATIONS WITH ARCHITECTURAL SHEETS. PROVIDE CABLING PER SPECIFICATIONS.
- NEW LOCATION OF EXISTING WALL-MOUNTED AUDIO/VISUAL FIRE ALARM DEVICE. EXTEND NEAREST FIRE ALARM NAC CIRCUIT AND WIRE COMPLETE.
- 4. TYPICAL TO ALL: PROVIDE 20A, 120V GROUND FAULT PROTECTED DUPLEX RECEPTACLE IN THIS LOCATION AND WIRE COMPLETE.
- 5. EXISTING TO REMAIN FIRE ALARM DEVICE.
- PROVIDE 20A, 120V, CIRCUIT AND GFCI RECEPTACLE FOR GARBAGE DISPOSAL AND WIRE COMPLETE. PROVIDE TOGGLE TYPE DISCONNECT SWITCH ABOVE COUNTER FOR DISPOSAL OPERATION.
- 7. WIRE NEW EXHAUST FAN COMPLETE TO LOCAL LIGHTING CIRCUITS IN THIS ROOM. FAN TO RUN WHEN LIGHT FIXTURES ARE ON.
- NEW EXHAUST FAN IN PREVIOUS LOCATION. WIRE EXHAUST FAN COMPLETE TO LOCAL LIGHTING CIRCUITS IN THIS ROOM. FAN TO RUN WHEN LIGHT FIXTURES ARE ON.
- PROVIDE 75KVA, 480-120/208V TRANSFORMER AND PROVIDE CEILING SUSPENSION KIT. SEE ONE-LINE DIAGRAM.
- 10. PROVIDE 15A, 208V, 3PH CIRCUIT FOR EXHAUST FAN PT-EF10 AND WIRE COMPLETE.
- 11. PROVIDE (2) 15A, 208V, 3PH CIRCUITS FOR ERV DEVICE IN THIS LOCATION AND WIRE COMPLETE.
- 12. PROVIDE NEW WALL MOUNTED AUDIO / VISUAL FIRE ALARM DEVICE. EXTEND NEAREST FIRE ALARM NAC CIRCUIT AND WIRE COMPLETE.
- 13. PROVIDE 20A, 120V RECEPTACLE AND DATA RECEPTACLE FOR TEMPERATURE CONTROL PANEL AND WIRE COMPLETE.
- 14. PROVIDE SINGLE POLE SWITCH AND WIRE COMPLETE TO GARBAGE DISPOSAL PROVIDE RECESSED FLOOR BOX IN EXISTING FLOOR WITH BLACK FLUSH COVER, HUBBELL MODEL # CFB2G30E BOX AND 24GTCVRBK COVER.





DESIGNED BY: TEC INC. ENGINEERS CONSTRUCTED BY:

START DATE:

COMPLETION DATE:

SHEET NO.

E-202

PROJ NO.: 130012-59 06/25/2025