

TCEP Project No.: 097-039-15
LPS Bid No.: 8365

ADDENDUM NO. 2

The Architect/ Engineer issues this addendum, applicable to the above named project, to all known Contractors before receipt of proposal.

This addendum includes Item Number 2-1 thru 2-28. This addendum item shall be fully incorporated into the Bidding/Contract Documents and have the same force and effect as though originally included.

The Bidder shall acknowledge receipt of this Addendum No. 2 on the Bid Proposal Form in the place provided.

LANDSCAPE

Drawings

Item 2-1: Sheet L1.01 – Site Demolition Plan

This sheet has been revised and is resubmitted.

ARCHITECTURAL

Drawings

Item 2-2: Sheet A0.11A – First Floor Demolition Plan – Area A (typical for demo sheets)

Add General Demolition Note 21, approximately 90% of the existing acoustical ceiling pads have an aluminum backing face sheet, these pads cannot be recycled by the owner and shall be properly disposed of. All existing acoustical ceiling pads that do not have an aluminum backing face sheet shall be placed on pallets and shrink wrapped for pick up and removal from the site by the owner.

Item 2-3: Sheet A0.11C – First Floor Demolition Plan – Area C

Do not remove door at new storage room adjacent to new Art 157as identified on the attached revised sheet.

Item 2-4: Sheet A0.12 – Kitchen Equipment Coordination Plan

This sheet has been revised and is resubmitted.

Item 2-5: Sheet A1.11C – First Floor Plan – Area C

Change name of Storage182E to Storage 157C. Delete door 182E as identified on the attached revised sheet.

Item 2-6: Sheet A1.11D – First Floor Plan – Area D

Change note for dish drop counter to read: "General contractor to provide new dish drop countertop with marine edge at perimeter, weld to existing"

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Item 2-7: Sheet A1.21C – First Floor Plan – Area C

Change name of Storage182E to Storage 157C.

Item 2-8: Sheet A6.40 – Door Schedule, Door Types, Frame Types

Remove Door 182E from plans.

Item 2-9: Sheet A7.10 – Plan Details

Modify plan detail 12 as identified on the attached revised sheet.

MECHANICAL

Item 2-10: Addendum 1 – Item 1-24

Disregard item 1-24 in Addendum 1 to make balls in pipe kit ball valves stainless steel. Ball valves are to have nickel plated brass balls as noted in construction documents.

Specifications

Item 2-11: Section 23 01 30 – Air Duct Cleaning

Refer to Paragraph 1.2 Summary – Remove Kitchen supply and return ductwork from ductwork to be cleaned. Ductwork is to be replaced in kitchen.

Item 2-12: Section 23 21 13 – Hydronic Piping

Refer to Paragraph 2.5.C Ball Valves – Ball for ball valves are to nickel plated to match ball valves in pipe kit schedule on Sheet M4.02.

Item 2-13: Section 23 73 13 – Package Air Handling Unit

Specification section has been submitted to be added to construction documents

Drawings

Item 2-14: Sheet P0.00 – Piping Abbreviations, Symbols and Notes

Refer to Note 1.6 - Clarification: Exposed Mechanical items located in mechanical rooms are not to be painted.

Item 2-15: Sheet M0.01D – First Floor HVAC Demolition – Area D

Sheet has been resubmitted to show demolition of supply and return air ductwork in kitchen.

Item 2-16: Sheet M1.11D – First Floor HVAC Plan – Area D

Sheet has been resubmitted to show new duct, diffuser and grille layout in kitchen.

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Item 2-17: Mechanical Equipment Prior Approvals

The following are to be added as approved manufacturers:

Pipe Kits: Pro Hydronics
Inertia Bases: Vibration Mountings and Controls
Heat Pumps: Climate Master
Exhaust Fans: Twin City
Air flow measuring dampers: Ebtron

ELECTRICAL

Specification

Item 2-18: Section 26 51 00 – Lighting Fixtures

The following lighting fixtures have been reviewed in accordance with paragraph 2, and are included in the Contract Documents for bidding purposes. All fixtures, lamps, and ballasts are required to meet the specification requirements regardless of prior approval. Prior approval does not waive any requirements indicated on the drawings or the specifications. Some fluorescent fixtures require dimming or multiple levels of switching. The required number and types of ballasts shall be provided to meet the switching requirements shown on the drawings.

<u>Type</u>	<u>Manufacturer and Catalog Number</u>	
G	Columbia	LJT14-40MLG-FSA12F-EU-FK14
G1	Columbia	LJT14-40LWG-FSA12F-EU-FK14
M	Spaulding	TRP-30L4K-035-2-U-GR
N	Columbia	LJT24-40MLG-FSA12F-EU
EXIT	Dual-lite	EVEURW
W	Columbia	LJT22-40MLG-FSA12F-EU
W1	Columbia	LJT22-40MLG-FSA12F-EU-FK22
Z Poles	KW Poles	RSP25-5.00-11-KIM SG-DM10-BC
Z1 Poles	KW Poles	RSP25-5.00-11-KIM SG-DM2180-BC
BB Poles	KW Poles	RSP14-4.00-11-KIM SG-DM10-BC

Item 2-19: Section 26 51 01 - Networked Lighting Controls

Lighting control panels shall be able to provide 0-10v dimming through relays within the panels.

Drawings

Item 2-20: Sheet E0.01 – Electrical One Line Diagram

Refer to the Electrical Site Utilities Plan: Plan note number 11 shall be modified by removing the last two sentences of the note. Whether or not Alternate 'M1' is accepted by the owner, the transformer pad will be the same size.

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Item 2-21: Sheet E1.11A – First Floor Lighting Plan – Area ‘A’

Refer to the TYPICAL CLASSROOM LIGHTING CONTROL PLAN. Plan note number five shall have this added after the last sentence. “0-10 VOLT DIMMING WIRING IS NOT REQUIRED TO BE ROUTED IN CONDUIT, BUT WIRING SHALL BE SUPPORTED BY PROPER MEANS AND FROM STURCTURE, NOT THE CEILING SYSTEM.”

Item 2-22: Sheet E1.11D – First Floor Lighting Plan – Area ‘D’

Refer to the First Floor Lighting Plan – Area ‘D’: In Multipurpose 161 all the switches shall be moved to the south wall, just to the west of the door sidelights.

Item 2-23: Sheet E2.11A – First Floor Power & Auxiliary Systems Plan – Area ‘A’

See the attached revised sheet E2.11A for the addition of wiremold in the Media Center.

Item 2-24: Sheet E2.11C – First Floor Power & Auxiliary Systems Plan – Area ‘C’

Refer to the First Floor Power & Auxiliary Systems Plan – Area ‘C’:
In Art 157, the double duplex and data outlets should be moved to the north side of the Storage 157C door. See the First Floor Plan – Area ‘C’ in this addendum for updated floor plan layout.

Item 2-25: Sheet E4.01 – Electrical One Line Diagram

Refer to the Electrical One Line Diagram: Plan note number 11 & 12 shall be modified by removing the last sentence in both notes. Whether or not Alternate ‘M1’ is accepted by the owner, the heating service shall be 2500 amps and the number of conduits for the service shall be 12.

Item 2-26: Sheet E5.01 – Electrical Schedules

- a) Refer to the Light Fixture Schedule: Type ‘U’ shall be changed to have a silver finish color in lieu of white. Any prior approved Type ‘U’ fixtures in the prior addendum shall have a similar finish color silver or light gray.
- b) Refer to Lighting Control Panel ‘LCPC’ Schedule: The location description shall be changed to Electrical 184N where it is indicated on the enlarged electrical room plans.

Item 2-27: Sheet T1.11A – First Floor Telecommunications Plan – Area ‘A’

See the attached revised sheet T1.11A for the addition of cabling to the wiremold in the Media Center.

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Item 2-28: Sheet T1.11C – First Floor Telecommunications Plan – Area ‘C’

Refer to the First Floor Telecommunications Plan – Area ‘C’:

In Art 157, the data outlet has moved to the north side of the Storage 157C door. See the First Floor Plan – Area ‘C’ in this addendum for updated floor plan layout.

END OF ADDENDUM NO. 2

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SECTION 23 73 13 – PACKAGED AIR HANDLING UNIT

1.1 SECTION INCLUDES

- A. Packaged air handling unit with integral heat pump

1.2 REFERENCES

- A. See Section 23 05 00.

1.3 SUBMITTALS

- A. See Section 23 05 00.

1. Provide literature which indicates dimensions, weights, capacities, ratings, fan performance, gages and finishes of materials, and electrical characteristics and connection requirements.
2. Certified energy recovery performance data. All energy recovery performance data shall be computer generated.
3. Provide data of filter media, filter performance data, filter assembly, and filter frames.
4. Provide fan curves with specified operating point clearly plotted.
5. Submit sound power level data for both fan outlet and casing radiation at rated capacity.

- B. Manufacturer's Installation Instructions.

1.4 OPERATION AND MAINTENANCE DATA

- A. See Section 23 05 00.

1.5 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing the Products specified in this section with minimum five (5) years documented experience, who issues complete catalog data on total product.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. See Section 23 05 00.

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1.7 ENVIRONMENTAL REQUIREMENTS

- A. Do not operate units for any purpose, temporary or permanent, until ductwork is clean, filters are in place, bearings lubricated, and fan has been test run under observation.

1.8 EXTRA MATERIALS

- A. Provide one extra set of fan belts and filters for each unit scheduled.

1.9 DELIVERY, STORAGE AND HANDLING

- A. Unit shall be stored and handled according to the manufacturer's recommendations.

1.10 QUALITY ASSURANCE

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

1.11 Warranty

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of air-to-air energy recovery equipment that fail in materials or workmanship within specified warranty period.

1. Total unit parts and labor: Year 1.
2. Compressors parts: Years 2-5.

2. PRODUCTS

2.1 PACKAGED HEAT PUMP UNITS

- A. The basis of design is Venmar. Subject to compliance with all requirements, acceptable alternate manufacturers are Innovent and Trane Performance Climate Changer.

1. Alternate manufacturers shall submit dimension drawings and performance at least 10 days prior to bid date. If changes are necessary to layout, electrical etc., the Contractor shall be responsible for all associated costs.

- B. Surfaces in contact with the airstream shall comply with requirements in ASHRAE 62.1.

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C. CONSTRUCTION

D. Unit Base and Floor

1. Unit perimeter base shall be completely welded and constructed from (6" [152 mm]) structural tubing and shall accommodate curb or concrete pad installation as shown on drawings (**Note: bolted or riveted bases are not acceptable**). Unit base floor shall be constructed from four-break formed steel panels, made from 14 gauge hot rolled steel (HRS). Floor panels shall be welded to each other, creating I-beams at each floor panel junction. Floor panel junctions shall be located at 14" increments (maximum) or less, in order to provide floor rigidity and support as required for internal components. Unit floor panels shall be welded to perimeter base frame steel tubing. Unit floor shall be insulated from underneath with min 2" R14 polyurethane closed cell spray foam and protected with 24 gauge galvanized steel liners. Unit floor construction shall include two-stage thermal break, using gasket between base floor framing and liners underneath and floor membrane on top. Unit base and floor shall be factory covered with top coat industrial grade membrane to ensure air- and water-tightness as well as walk-on grip. Floor membrane shall be high performance, sprayed, plural-component pure polyurea elastomer, based on amine-terminated polyether resins, amine chain extenders and prepolymers. Floor membrane shall be flexible, tough, resilient monolithic membrane with good water and chemical resistance and shall resist to temperatures up to 250°F. Floor membrane materials shall be free of solvents and VOC's, shall be suitable for use in compartments handling conditioned air and shall comply with the requirements for the Standard for Heating and Cooling Equipment, ANSI/UL 1995, third edition, dated 02/18/2005, Section 5.10 and Section 18. Single wall floor construction with glued and pinned insulation and no subfloor is not acceptable; non-insulated floor construction is not acceptable. Floor constructions which are not air- and water-tight are not acceptable. Entire base frame is to be painted with a phenolic coating for long term corrosion resistance. Base frame shall be attached to the unit casing frame at the factory. When rigging, base frame deflection shall be less than 1/360 of the unit length. All major components shall be supported by the base without sagging or pulsating.

E. Unit Casing

1. Unit wall and roof rigid frame shall consist of 16 gauge pre-painted galvanized formed steel corner posts and 16 gauge G90 galvanized formed steel (1" x 2" [25 x 51 mm]) intermediate frame posts, providing stable construction allowing for removal of any panel without affecting unit structural integrity. Units without framed type of construction are not acceptable. Exterior casing panels shall be attached to the gasketed (1" x 2" [25 x 51 mm]) steel frame with corrosion resistant fasteners. Air Handling Unit casing shall be of the no-through-metal design. Casing shall incorporate insulating thermal breaks as required so that, when fully assembled, there is no path of continuous unbroken metal to metal conduction from inner to outer surfaces. Provide necessary support to limit casing deflection to L/200 of the narrowest panel dimension. If panels cannot meet this deflection, additional internal reinforcing is required. Units shall be designed for outdoor or indoor installation as indicated on the schedule. Indoor units weatherized for outdoor use

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are not acceptable. Outdoor units shall have a double sloped roof with 3% minimum roof pitch to prevent water accumulation, rain gutters above all access doors and roof joint seams of the T-shape construction, with minimum height of 1" [25 mm], metal strip sealed and encapsulated. Outdoor units shall be designed to resist snow, ice and wind loads, and if provided with weather hood(s), equipped with birdscreen and rain gutters. Indoor units shall have a flat roof. Hoods shall be shipped loose for field assembly. Internal partition on dual air tunnel units shall be insulated and constructed in the same manner and thickness as the unit cabinet outer liners. All panel seams shall be caulked and sealed for an air-tight unit. Leakage rates shall be less than 1% at design static pressure or 9" w.c., whichever is greater.

F. Double Wall Construction

1. Units shall entirely be made of double wall construction. Single wall construction with coated insulation is not acceptable. Exposed insulation edges in the airstream are not acceptable. Unit panels shall be made of 18 gauge galvanized steel outer liners and 24 gauge galvanized steel inner liners.

G. Insulation

1. Roof and wall panels shall be double wall construction using a minimum of 2 inch" thick, 2.5 lb/cu. Ft urethane insulation (R14)

H. Access Doors

1. Full size access door(s) allowing for periodic maintenance and inspections shall be provided for all serviceable components as shown on the plans. Removable panels are not acceptable. Doors shall be solid double wall insulated construction. Insulation shall be the same as unit panels. Both the inner and outer liners shall be made of the same material as unit cabinet outer liner construction. The door hinge assembly shall be die cast zinc with stainless steel pivot mechanism, completely adjustable. Hinges shall allow doors to open at 180° with no shear effect on the hinge side of the perimeter gasket. The door frame shall be extruded aluminum with a built-in thermal break barrier and full perimeter gasket. The door gasketing shall employ a double seal comprising of an adhesive neoprene compressible foam gasket on the outer door panel and an "automotive style" neoprene bulb gasket fixed onto the inner door frame for out-swing doors, "rippled" foam for in-swing doors. There shall be a minimum of two heavy duty cast, UV rated, nylon handles per door. Door handles shall be operable from both inside and outside of the unit. On all access doors where moving parts could cause injury, an ETL, UL 1995 and OSHA approved tool operated safety latch shall be provided.

- I. Filters: Filters shall be factory installed upstream of the heat exchanger and coils, in both airstreams. The filters shall be MERV 8.

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J. Supply Fans

1. Fans shall be direct drive radial centrifugal fans with free running impeller. No fan belts will be acceptable for this application. Fans shall be compact, optimized and construction made of galvanized sheet steel with backward curved 7-blade high efficiency impeller, protected by an epoxy powder coating. To reduce vibration, the impeller shall be balanced with hub to an admissible vibration severity of less than 2.8 mm/s in conformity with DIN ISO 14694 and proof shall be supplied for each individual impeller. Tests shall be made according to DIN ISO 1940 Part 1, quality of balancing G2.5/6.3. The single inlet shall be mounted onto constant speed direct drive motor, equipped with an air flow optimized inlet cone from galvanized sheet steel. Fans shall be completely certified as per ISO 5801 and in accordance to AMCA standards. Fans will require to be operated by a Variable speed drive.
 - a. The fan motors shall meet NEMA standard dimensions and comply with the Energy Policy Act of 1997. Motors shall have high efficiencies with low noise and vibration output. Motors shall be certified and built in accordance to ISO 9001 quality control system. Motors shall have ODP enclosure with Premium efficiency performance.

K. Piping and Wiring: Fabricate units with space within housing for piping and electrical conduits. Wire motors and controls so only external connections are required during installation.

1. Indoor Enclosure: NEMA 250, Type 12 enclosure contains relays, starters, and terminal strip.

L. Dampers:

1. Dampers shall be installed where shown on the drawings. Dampers shall be low leak type with rubber edges, opposed or parallel blades, and constructed from extruded aluminum. Galvanized dampers will not be acceptable. The exhaust air outlet shall have a standard aluminum gravity type damper, unless otherwise noted below. Dampers shall be installed in the compartments as shown on drawings with linkage rod for actuators: Actuators shall be 24V factory installed; two-position or modulating type (please refer to the unit schedule). All actuators shall have spring return mechanism and auxiliary switches. Dampers will be installed in the failed close position unless otherwise noted.

M. Integrated Water Source Heat Pump

1. Each refrigerant circuit shall include externally equalized thermostatic expansion valve and reversing valve. Safety controls shall be manual reset on both low and high pressure sides.
2. Condenser shall be of coaxial tube-in-tube type, provided with copper inner tubes and steel outer tubes (shells), selected with 15°F [-9°C] sub-cooling, and have maximum working pressures of 400 psig on the waterside and 620 psig on the refrigerant side. Condensers shall be UL and CSA approved.

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3. The complete refrigerant piping shall be factory tested in both the heating and cooling modes with full water flow on factory charged units. Water piping connections to the unit shall be NPT type. On indoor units, main water connections shall be external to the unit; on outdoor units, main water connections shall be internal to the unit.

N. Scroll Compressors

1. Compressor shall be hermetically sealed scroll type with a forced-feed lubrication system and oil charge. Compressor motor shall be suction-cooled motor windings with inherent internal line break protection and mounted on RIS vibration isolators. Compressor shall include internal pressure relief valve, gas sensor and device to limit the shut-down noise caused by scroll reversal. Each compressor shall have a crank case heater that is independently fused and will remain energized at all times unless unit is disconnected at the main power source.
2. Lead compressor shall be capable of seamless capacity modulation from 10% to 100% of its nominal capacity, without the use of hot gas bypass.

O. Hot-Gas Reheat:

1. Fully modulating reheat valve diverts refrigerant hot gas to reheat coil when remote humidistat calls for dehumidification.

P. DX Coils:

1. Coils shall be factory installed in the unit. Coils shall be designed with respective circuits to match the design requirements. All coils shall have a distributor per circuit connection. Primary surface shall be round seamless (3/8" O.D.) copper tube staggered in the direction of airflow. Secondary surface shall consist of rippled aluminum plate fins for higher capacity and structural strength. Fins shall have full drawn collars to provide a continuous surface cover over the entire tube for maximum heat transfer. Tubes shall be mechanically expanded into the fins to provide a continuous primary to secondary compression bond over the entire finned length for maximum heat transfer rates. Casing shall be constructed of continuous galvanized steel. Coils shall be circuited for counter-flow heat transfer to provide maximum mean effective temperature difference for maximum heat transfer rates. Headers shall have intruded tube holes to provide a large brazing surface for maximum strength and inherent flexibility. The complete coil shall be tested with 315 pounds air pressure under warm water and be suitable for operation at 250 psig working pressures. Maximum finned coil height shall be 60" and shall not exceed 500 FPM face velocity.
2. Drain pan shall be provided on cooling coils. Cooling coils shall sit on stainless steel tubular support rails, which shall stand a minimum of (2) two inches above the highest point of the floor drain pan. Stacked coils shall be provided for larger airflows and intermediate drain pans shall be provided for each coil bank. Drain pans shall be stainless steel with stainless steel drain connections on one side only. Pan shall be sloped in two planes. All coils shall be certified in accordance with ARI standard 410.

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Q. Accessories:

1. GFI, lights, and switches shall be factory installed and wired to a common junction box. Lights shall be installed in all sections.

3. EXECUTION

3.1 Install per manufacturer recommendations.

3.2 EXAMINATION

- A. Examine areas and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Examine casing insulation materials and filter media before air-to-air energy recovery equipment installation. Reject insulation materials and filter media that are wet, moisture damaged, or mold damaged.
- C. Examine roughing-in for electrical services to verify actual locations of connections before installation.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.3 INSTALLATION

- A. Install floor-mounted units on 4-inch- (100-mm-) high concrete base.
- B. Install units with clearances for service and maintenance.
- C. Install new filters at completion of equipment installation and before testing, adjusting, and balancing.
- D. Pipe drains from drain pans (if present) to nearest floor drain.

3.4 CONNECTIONS

- A. Install piping adjacent to unit to allow service and maintenance.
- B. Connect piping to units mounted on vibration isolators with flexible connectors.
- C. Connect cooling condensate drain pans with air seal trap at connection to drain pan and install cleanouts at changes in pipe direction.

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- D. Install electrical devices furnished with units but not factory mounted.

3.5 FIELD QUALITY CONTROL

- A. Manufacturer's Field Service: Engage a factory-authorized service representative to inspect, test, and adjust components, assemblies, and equipment installations, including connections.
 - 1. Operational Test: After electrical circuitry has been energized, start units to confirm proper motor rotation and unit operation.
 - 2. Adjust seals and purge.
 - 3. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.
 - 4. Set initial temperature and humidity set points.
 - 5. Set field-adjustable switches and circuit-breaker trip ranges as indicated.
- B. Prepare test and inspection reports.

3.6 STARTUP SERVICE

- A. LPS requires a pre-start-up meeting be arranged before any mechanical equipment is started up. The start-up technician from the equipment supplier, a Control Services representative, a mechanical contractor representative, an HVAC contractor representative, an LPS representative, and the engineer, shall be present at this meeting. Prior to this meeting, the installing contractor through the General Contractor, shall provide all start-up information and check lists from the manufacturer.
 - 1. The purpose of the meeting will be: to pre-determine individual responsibilities, to ensure that a comprehensive evaluation is conducted of the installed equipment, and to discuss the expectations for documentation of this process. Lincoln Public Schools may request additional items to be added to the check list for start-up.
- B. Engage a factory-authorized service representative to perform startup service.
 - 1. Complete installation and startup checks according to manufacturer's written instructions.
 - 2. Inspect for visible damage to unit casing.
 - 3. Inspect for visible damage to compressor and coils.
 - 4. Inspect internal insulation.
 - 5. Verify that labels are clearly visible.
 - 6. Verify that clearances have been provided for servicing.
 - 7. Verify that controls are connected and operable.
 - 8. Adjust vibration isolators.
 - 9. Start unit according to manufacturer's written instructions.
 - 10. Complete startup sheets and attach copy with Contractor's startup report.
 - 11. Inspect and record performance of interlocks and protective devices; verify sequences.
 - 12. Operate unit for an initial period as recommended or required by manufacturer.
 - 13. Verify thermostat calibration.

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14. Inspect controls for correct sequencing of heating, refrigeration, and normal and emergency shutdown.

3.7 ADJUSTING

- A. Adjust initial temperature set points.
- B. Set field-adjustable switches and circuit-breaker trip ranges as indicated.

3.8 CLEANING

- A. Replace filters used during construction periodically as required by static pressure drop and again just prior to acceptance by Owner.
- B. After completing installation of exposed, factory-finished water-source heat pumps, remove paint splatters and other spots, dirt, and debris, then inspect exposed finishes and repair damaged finishes.

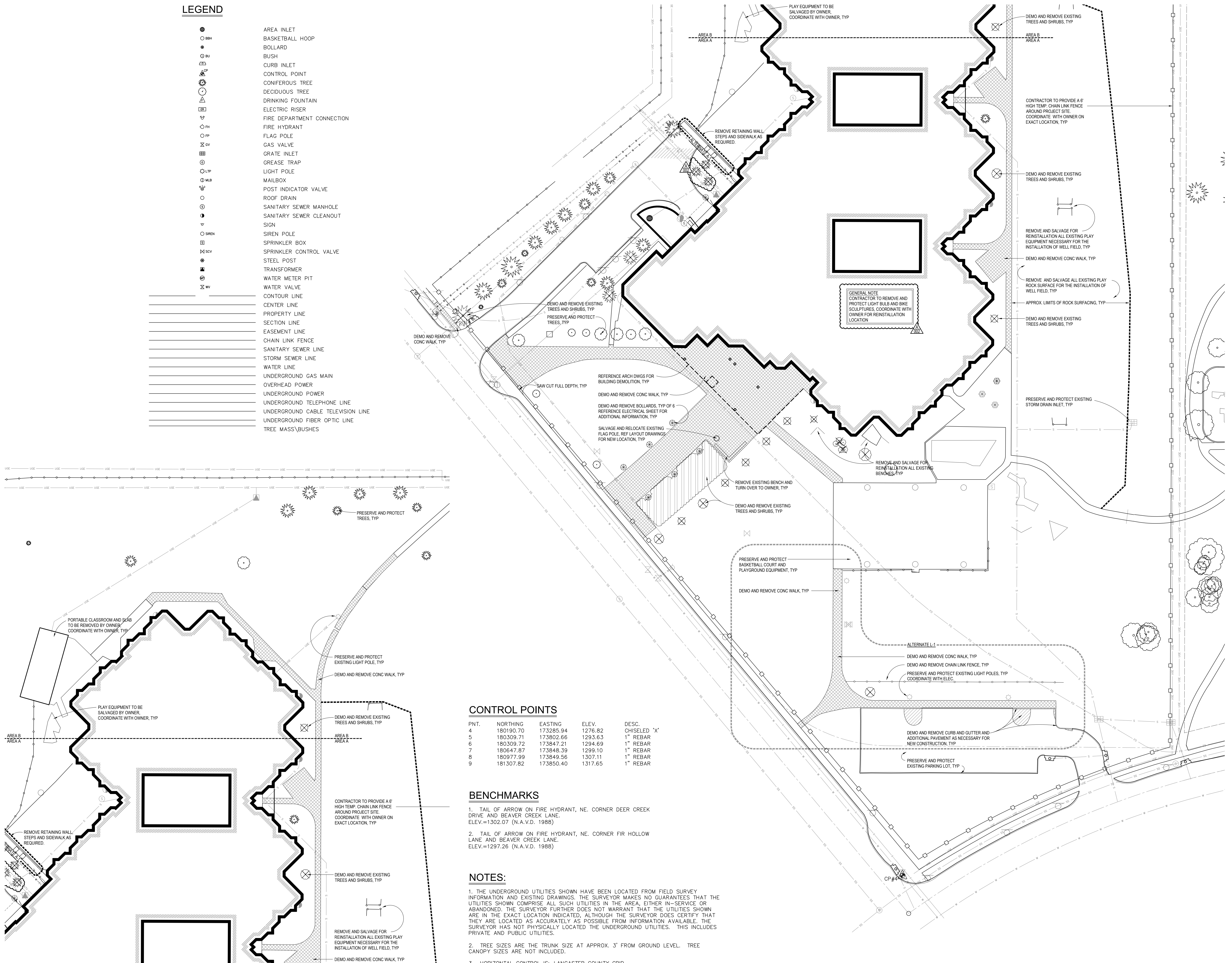
3.9 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain air-to-air energy recovery units.

END OF SECTION 23 73 13

LEGEND

- AREA INLET
- BBH BASKETBALL HOOP
- BOLLARD
- BU BUSH
- CI CURB INLET
- CP CONTROL POINT
- CT CONIFEROUS TREE
- DT DECIDUOUS TREE
- DF DRINKING FOUNTAIN
- ER ELECTRIC RISER
- FDC FIRE DEPARTMENT CONNECTION
- FH FIRE HYDRANT
- FP FLAG POLE
- GV GAS VALVE
- GI GRATE INLET
- GT GREASE TRAP
- LPT LIGHT POLE
- MLB MAILBOX
- PIV POST INDICATOR VALVE
- RD ROOF DRAIN
- SSM SANITARY SEWER MANHOLE
- SSC SANITARY SEWER CLEANOUT
- S SIGN
- SP SIREN POLE
- SB SPRINKLER BOX
- SCV SPRINKLER CONTROL VALVE
- ST STEEL POST
- TR TRANSFORMER
- WMP WATER METER PIT
- WV WATER VALVE
- CL CONTOUR LINE
- CLN CENTER LINE
- PLN PROPERTY LINE
- SLN SECTION LINE
- ELN EASEMENT LINE
- CLIF CHAIN LINK FENCE
- SML SANITARY SEWER LINE
- SLSL STORM SEWER LINE
- WL WATER LINE
- UGAS UNDERGROUND GAS MAIN
- OP OVERHEAD POWER
- UG UNDERGROUND POWER
- UGTEL UNDERGROUND TELEPHONE LINE
- UGCTV UNDERGROUND CABLE TELEVISION LINE
- UGFO UNDERGROUND FIBER OPTIC LINE
- TM TREE MASS/BUSHES



CONTROL POINTS

PNT.	NORTHING	EASTING	ELEV.	DESC.
4	180190.70	173285.94	1276.82	CHISELED 'X'
5	180309.71	173802.66	1293.63	1" REBAR
6	180309.72	173847.21	1294.69	1" REBAR
7	180647.87	173848.39	1299.10	1" REBAR
8	180977.99	173849.56	1307.11	1" REBAR
9	181307.82	173850.40	1317.65	1" REBAR

BENCHMARKS

1. TAIL OF ARROW ON FIRE HYDRANT, NE. CORNER DEER CREEK DRIVE AND BEAVER CREEK LANE. ELEV.=1302.07 (N.A.V.D. 1988)
2. TAIL OF ARROW ON FIRE HYDRANT, NE. CORNER FIR HOLLOW LANE AND BEAVER CREEK LANE. ELEV.=1297.26 (N.A.V.D. 1988)

NOTES:

1. THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. THIS INCLUDES PRIVATE AND PUBLIC UTILITIES.
2. TREE SIZES ARE THE TRUNK SIZE AT APPROX. 3' FROM GROUND LEVEL. TREE CANOPY SIZES ARE NOT INCLUDED.
3. HORIZONTAL CONTROL IS: LANCASTER COUNTY GRID.

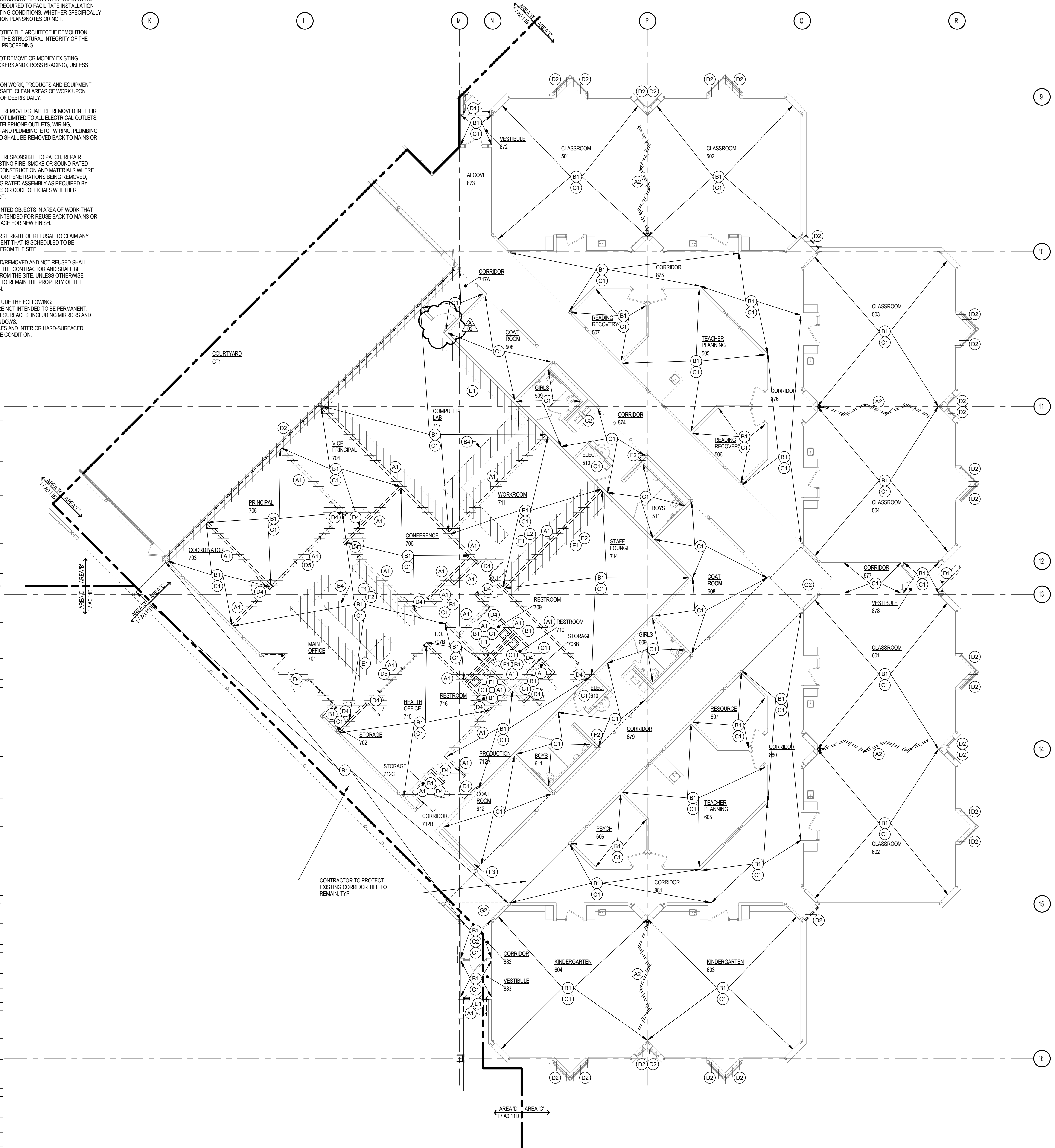


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GENERAL DEMOLITION NOTES

- THE CONTRACTOR AND SUBCONTRACTORS SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO BIDDING TO DETERMINE TOTAL QUANTITIES AND SCOPE OF WORK. ANY DEVIATIONS IN THE EXISTING CONDITIONS OR DIMENSIONS INDICATED SHALL BE COORDINATED WITH THE ARCHITECT/ENGINEER AND OWNER IN ORDER TO MODIFY THE PLANS ACCORDINGLY.
- PRIOR TO BEGINNING DEMOLITION, CONTRACTOR SHALL CONFER WITH LOCAL JURISDICTIONS AND GOVERNING OFFICIALS ON THE NEED OF OUSPROOF WORK FIRE RESISTANT TEMPORARY PARTITION WALLS (DETAILED ON A0.10 - WALL TYPE SCHEDULE & DETAILS & SPECIFICATIONS) OF 50 TEMPORARY FACILITIES AND CONTROLS) CONSTRUCTION, LOCATION, MAINTENANCE AND TEMPORARY SIGNAGE BETWEEN CONSTRUCTION AND OCCUPIED AREAS DURING THE CONSTRUCTION PERIOD.
- PRIOR TO BEGINNING DEMOLITION, CONTRACTOR SHALL CONFER WITH THE LOCAL DEPARTMENT AND/OR BUILDING USERS TO SCHEDULE DISRUPTION OF DAILY ACTIVITIES.
- IN THE EVENT THE CONTRACTOR ENCOUNTERS ON THE SITE MATERIAL REASONABLY BELIEVED TO BE ASBESTOS, LEAD-BASED PAINT, OR ANY OTHER HAZARDOUS MATERIAL WHICH HAS BEEN RENDERED HARMLESS, THE CONTRACTOR SHALL IMMEDIATELY STOP WORK IN THE AREA AFFECTED AND REPORT THE CONDITION TO THE OWNER AND ARCHITECT IN WRITING. THE WORK IN THE AFFECTED AREA SHALL NOT THEREAFTER BE RESUMED EXCEPT BY WRITTEN AGREEMENT OF THE OWNER AND CONTRACTOR.
- PURSUANT TO THE FEDERAL OSHA EMPLOYEE RIGHT-TO-KNOW ACT, THE CONTRACTOR IS HEREBY ADVISED THAT A POTENTIAL FOR LEAD HAZARD EXISTS. LEAD PAINT CAN BE PRESENT ON OLDER PAINTED SURFACES. THE CONTRACTOR IS ADVISED THAT HE/SHE IS RESPONSIBLE TO COMPLY WITH THE FEDERAL STANDARDS FOR LEAD PAINT IN THE CONSTRUCTION INDUSTRY THAT WAS ADOPTED IN JUNE OF 1991 BY OSHA CFR PART 1926. THESE REGULATIONS REQUIRE THE CONTRACTOR TO DEVELOP WORK STRATEGIES WHEN WORKING WITH LEAD TO MINIMIZE AND PROTECT WORKERS FROM LEAD HAZARDS.
- THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION PLANS WITH PROPOSED SITE, FLOOR, REFLECTED CEILING, INTERIOR FINISH, MECHANICAL, AND ELECTRICAL PLANS FOR ADDITIONAL DEMOLITION INFORMATION.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EXISTING REQUIREMENTS BETWEEN CONSTRUCTION AND OCCUPIED AREAS DURING THE CONSTRUCTION PERIOD AS REVIEWED WITH CODE OFFICIALS.
- THE CONTRACTOR IS RESPONSIBLE FOR PRODUCING WEATHER TIGHT CONSTRUCTION. THE EXISTING BUILDING SHALL BE PROTECTED FROM WEATHER AT ALL TIMES. OPENINGS AND PENETRATIONS SHALL BE PROTECTED WITH DURABLE, INSULATED TEMPORARY CONSTRUCTION. COORDINATE SECURITY REQUIREMENTS WITH THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING AN ENCLOSED AND SECURE CONSTRUCTION AREA PROVIDING SECURITY LOCKING ENTRANCES TO PREVENT UNAUTHORIZED ENTRANCE, VANDALISM, THEFT, AND SIMILAR VIOLATIONS OF SECURITY. CONSTRUCTION AREA SHALL BE SECURELY LOCKED DURING NON-WORKING HOURS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING MATERIALS TO REMAIN. DAMAGE TO EXISTING MATERIALS TO REMAIN THAT OCCURS FROM WORK UNDER THIS CONTRACT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO RESTORE TO ITS ORIGINAL CONDITION OR BE REPLACED.
- THE CONTRACTOR SHALL COORDINATE BETWEEN ALL TRADES AND PERFORM ALL DEMOLITION REQUIRED TO FACILITATE INSTALLATION OF NEW WORK WITHIN EXISTING CONDITIONS, WHETHER SPECIFICALLY INDICATED BY THE DEMOLITION PLAN NOTES OR NOT.
- THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IF DEMOLITION WORK APPEARS TO AFFECT THE STRUCTURAL INTEGRITY OF THE EXISTING BUILDING BEFORE PROCEEDING.
- THE CONTRACTOR SHALL NOT REMOVE OR MODIFY EXISTING STRUCTURE INCLUDING KICKERS AND CROSS BRACING, UNLESS SPECIFICALLY NOTED.
- ALL AREAS OF CONSTRUCTION WORK, PRODUCTS AND EQUIPMENT SHALL BE KEPT CLEAN AND SAFE. CLEAN AREAS OF WORK UPON COMPLETION AND DISPOSE OF DEBRIS DAILY.
- ALL WALLS INDICATED TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY INCLUDING BUT NOT LIMITED TO ALL ELECTRICAL OUTLETS, SWITCHES AND CONDUITS, TELEPHONE OUTLETS, WIRING, MECHANICAL PIPING, BASES AND PLUMBING, ETC. WIRING, PLUMBING AND DUCTS BEING REMOVED SHALL BE REMOVED BACK TO MAINS OR JUNCTIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH, REPAIR AND/OR RECONSTRUCT EXISTING FIRE, SMOKE OR SOUND RATED ASSEMBLIES WITH SMALL CONSTRUCTION MATERIALS WHERE DEMOLITION OF MATERIALS OR PENETRATIONS BEING REMOVED, PASS THROUGH AN EXISTING RATED ASSEMBLY AS REQUIRED BY LOCAL JURISDICTION, CODES OR CODE OFFICIALS WHETHER INDICATED ON PLANS OR NOT.
- REMOVE ALL SURFACE MOUNTED OBJECTS IN AREA OF WORK THAT ARE ABANDONED AND NOT INTENDED FOR REUSE BACK TO MAINS OR JUNCTIONS. PREPARE SURFACE FOR NEW FINISH.
- OWNER SHALL HAVE THE FIRST RIGHT OF REFUSAL TO CLAIM ANY MATERIALS AND/OR EQUIPMENT THAT IS SCHEDULED TO BE DEMOLISHED OR REMOVED FROM THE SITE.
- ALL MATERIALS DEMOLISHED/REMOVED AND NOT REUSED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED OR DISCARDED FROM THE SITE, UNLESS OTHERWISE SPECIFICALLY DESIGNATED TO REMAIN THE PROPERTY OF THE OWNER. SEE SPECIFICATION.
- FINAL CLEANING SHALL INCLUDE THE FOLLOWING:
A. REMOVE LABELS THAT ARE NOT INTENDED TO BE PERMANENT.
B. CLEAN ALL TRANSPARENT SURFACES, INCLUDING MIRRORS AND GLASS IN DOORS AND WINDOWS.
C. CLEAN EXPOSED SURFACES AND INTERIOR HARD-SURFACED FINISHES TO A DUST-FREE CONDITION.

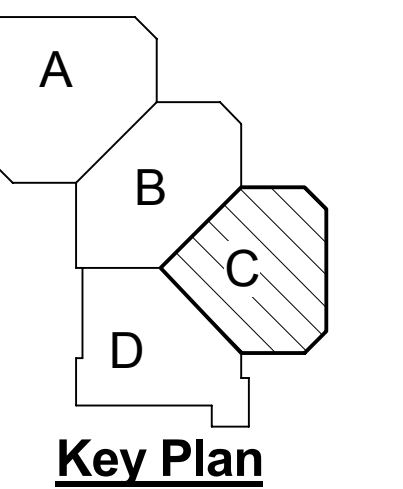
1 DEMOLITION KEY NOTES (FLOOR PLANS ONLY)	
A-WALLS	
A1	REMOVE EXISTING WALL PARTITION IN ITS ENTIRETY FROM FOOTING/FLOOR TO TOP OF WALL TO THE EXTENT SHOWN, INCLUDING BUT NOT LIMITED TO CMU, PLASTER OR GYP BOARD, TRIMS, FRAMING, ELECTRICAL, AND MECHANICAL (STRUCTURAL STEEL TO REMAIN). REMOVE FLOOR AS NEEDED TO DEMOLISH PARTITION TO FOOTINGS). REMOVE ELECTRICAL AND MECHANICAL BACK TO JUNCTION OR MAIN SUPPLYING UTILITY AND CAP. REPAIR WALL, FLOORING, CEILING AND ADJACENT WALLS), IF APPLICABLE, TO MATCH EXISTING FINISH, OR COORDINATE W/ NEW CONSTRUCTION & INTERIOR FINISHES.
A2	REMOVE EXISTING OPERABLE PARTITION WALL IN ITS ENTIRETY FROM FLOOR TO TOP OF WALL TO THE EXTENT SHOWN, INCLUDING BUT NOT LIMITED TO PARTITION WALL SYSTEMS/PANELS, PARTITION GUIDE TRACK, TRACK POCKET OR BULKHEAD AND ALL ASSOCIATED FRAMING, SUPPORTS AND BRACING, WALL TRIMS, WALL POCKET FRAMING, ALL ASSOCIATED HARDWARE (STRUCTURAL STEEL TO REMAIN), REPAIR WALL, FLOORING, CEILING AND ADJACENT WALLS), IF APPLICABLE, TO MATCH EXISTING FINISH, OR COORDINATE W/ NEW CONSTRUCTION & INTERIOR FINISHES.
A3	REMOVE EXISTING COLUMN COVER CONSTRUCTION IN ITS ENTIRETY FROM FOOTING/FLOOR TO TOP OF COVER TO THE EXTENT SHOWN, INCLUDING BUT NOT LIMITED TO CMU, PLASTER OR GYP BOARD, TRIMS, FRAMING, ELECTRICAL, AND MECHANICAL (STRUCTURAL STEEL TO REMAIN). REMOVE FLOOR AND CEILING/SCOFFIT ADJACENT TO COLUMN CONSTRUCTION AS NEEDED FOR FULL REMOVAL TO FOOTINGS) & TOP OF CONSTRUCTION, REMOVE ELECTRICAL AND MECHANICAL BACK TO JUNCTION OR MAIN SUPPLYING UTILITY AND CAP. REPAIR FLOORING, CEILING AND ADJACENT WALLS), IF APPLICABLE, TO MATCH EXISTING FINISH, OR COORDINATE W/ NEW CONSTRUCTION & INTERIOR FINISHES. CLEAN COLUMN OF ALL DEBRIS AND PREPARE COLUMN TO RECEIVE PAINT. SEE FINISHES.
A4	REMOVE TOP OF EXISTING CONCRETE RETAINING WALL TO 4" BELOW PROPOSED FLOOR GRADE HEIGHT, TO THE EXTENT SHOWN. PREPARE TOP OF WALL TO RECEIVE NEW CONCRETE SLAB ON GRADE TO CAP TOP OF WALL.
A5	DEMOLISH PORTION OF EXISTING WALL AS REQUIRED FOR LOUVER, COORDINATE SIZE AND LOCATION WITH MECHANICAL
B-FLOOR	
B1	REMOVE EXISTING FINISH FLOORING AND WALL BASE TO THE EXTENT SHOWN. PREPARE SUBFLOOR TO RECEIVE NEW FINISH FLOORING. COORDINATE EXTENT OF NEW FINISH FLOORING W/ INTERIOR FINISHES. REPAIR WALLS, IF APPLICABLE, TO MATCH EXISTING FINISH, OR COORDINATE W/ NEW CONSTRUCTION & INTERIOR FINISHES.
B2	PREP EXISTING EPOXY FLOORING SYSTEM AND WALL BASE TO EXTENT SHOWN TO RECEIVE NEW FINISH PER SPECIFICATION. PREPARE CONCRETE SLAB TO RECEIVE NEW FLOORING SYSTEM. COORDINATE EXTENT OF NEW FINISH FLOORING W/ INTERIOR FINISHES. REPAIR WALLS, IF APPLICABLE, TO MATCH EXISTING FINISH, OR COORDINATE W/ NEW CONSTRUCTION & INTERIOR FINISHES.
B3	REMOVE EXISTING CONCRETE SLAB ON GRADE TO THE EXTENT SHOWN. PREPARE SUB-GRADE TO RECEIVE NEW SLAB ON GRADE. COORDINATE EXTENT OF NEW FINISH FLOORING W/ INTERIOR FINISHES. REPAIR WALLS, IF APPLICABLE, TO MATCH EXISTING FINISH, OR COORDINATE W/ NEW CONSTRUCTION & INTERIOR FINISHES.
B4	REMOVE EXISTING CONCRETE SLAB ON GRADE AS REQUIRED FOR REMOVAL AND INSTALLATION OF NEW BELOW-SLAB PIPING, COORD. W/ NEW CONSTRUCTION.
B5	REMOVE EXISTING WOOD FRAMED STAGE IN ITS ENTIRETY. PREPARE EXISTING SUB-FLOORING TO RECEIVE NEW FINISH FLOORING. COORDINATE EXTENT OF NEW FINISH FLOORING W/ INTERIOR FINISHES. REPAIR WALLS, IF APPLICABLE, TO MATCH EXISTING FINISH, OR COORDINATE W/ NEW CONSTRUCTION & INTERIOR FINISHES.
C-CEILING	
C1	REMOVE EXISTING LAY-IN ACOUSTICAL PANEL CEILING SYSTEM IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO CEILING PAIDS, CEILING GRID, LIGHT FIXTURES, MECHANICAL DIFFUSERS, SPRINKLER HEADS, ELECTRICAL SIGNAGE AND FIRE DEVICES. COORDINATE EXTENT OF MECHANICAL, ELECTRICAL AND PLUMBING DEMOLITION WITH NEW CONSTRUCTION. REPAIR WALLS, IF APPLICABLE, TO MATCH EXISTING FINISH, OR COORDINATE W/ NEW CONSTRUCTION & INTERIOR FINISHES.
C2	REMOVE EXISTING GYP BD FRAMED CEILING SYSTEM IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO GYP BD, STUD FRAMING, LIGHT FIXTURES, MECHANICAL DIFFUSERS, SPRINKLER HEADS, ELECTRICAL SIGNAGE AND FIRE DEVICES. COORDINATE EXTENT OF MECHANICAL, ELECTRICAL AND PLUMBING DEMOLITION WITH NEW CONSTRUCTION. REPAIR ADJACENT WALLS, IF APPLICABLE, TO MATCH EXISTING FINISH, OR COORDINATE W/ NEW CONSTRUCTION & INTERIOR FINISHES.
C3	REMOVE EXISTING GYP BD FRAMED BULKHEAD TO THE EXTENT SHOWN, INCLUDING BUT NOT LIMITED TO GYP BD, STUD FRAMING AND BRACING. REPAIR OR REROUTE EXISTING MECHANICAL, ELECTRICAL, OR PLUMBING TO REMAIN AS NEEDED. COORDINATE EXTENT OF MECHANICAL, ELECTRICAL, AND PLUMBING DEMOLITION WITH NEW CONSTRUCTION. REPAIR ADJACENT WALLS, IF APPLICABLE, TO MATCH EXISTING FINISH, OR COORDINATE W/ NEW CONSTRUCTION & INTERIOR FINISHES.
D-DOORS & WINDOWS	
D01	REMOVE EXISTING EXTERIOR DOOR IN ITS ENTIRETY TO THE ROUGH OPENING, INCLUDING BUT NOT LIMITED TO DOOR LEAF, DOOR FRAME, SIDE/LIGHT GLAZING, TRANSOM GLAZING, HARDWARE AND ALL SEALANT. PROTECT AND SALVAGE ADJACENT FINISHED SURFACES. REPAIR WALL, VAPOR BARRIER, INSULATION, FLOORING, CEILING AND ADJACENT WALLS), IF APPLICABLE, TO MATCH EXISTING FINISH, OR COORDINATE W/ NEW CONSTRUCTION & INTERIOR FINISHES.
D02	REMOVE EXISTING EXTERIOR ALUMINUM CLAD WOOD STOREFRONT WINDOW SYSTEM IN ITS ENTIRETY TO THE ROUGH OPENING, INCLUDING BUT NOT LIMITED TO GLAZING, WINDOW FRAMING, FLASHING AND ALL SEALANT. PROTECT AND SALVAGE ADJACENT FINISHED SURFACES. REPAIR WALL, VAPOR BARRIER, INSULATION, FLOORING, CEILING AND ADJACENT WALLS), IF APPLICABLE, TO MATCH EXISTING FINISH, OR COORDINATE W/ NEW CONSTRUCTION & INTERIOR FINISHES.
D03	REMOVE EXISTING EXTERIOR ALUMINUM CLAD WOOD STOREFRONT WINDOW SYSTEM TO THE EXTENT SHOWN TO THE ROUGH OPENING, INCLUDING BUT NOT LIMITED TO GLAZING, WINDOW FRAMING, FLASHING AND ALL SEALANT. PROTECT AND SALVAGE ADJACENT FINISHED SURFACES. REPAIR WALL, VAPOR BARRIER, INSULATION, FLOORING, CEILING AND ADJACENT WALLS), IF APPLICABLE, TO MATCH EXISTING FINISH, OR COORDINATE W/ NEW CONSTRUCTION & INTERIOR FINISHES.
D04	REMOVE EXISTING INTERIOR HOLLOW METAL DOOR IN ITS ENTIRETY TO THE ROUGH OPENING, INCLUDING BUT NOT LIMITED TO DOOR LEAF, DOOR FRAME, SIDE/LIGHT GLAZING, TRANSOM GLAZING, HARDWARE AND ALL SEALANT. PROTECT AND SALVAGE ADJACENT FINISHED SURFACES. REPAIR WALL, FLOORING, CEILING AND ADJACENT WALLS), IF APPLICABLE, TO MATCH EXISTING FINISH, OR COORDINATE W/ NEW CONSTRUCTION & INTERIOR FINISHES.
D05	REMOVE EXISTING INTERIOR HOLLOW METAL WINDOW SYSTEM TO ROUGH OPENING. PROTECT AND SALVAGE ADJACENT FINISHED SURFACES. REPAIR WALL, FLOORING, CEILING AND ADJACENT WALLS), IF APPLICABLE, TO MATCH EXISTING FINISH, OR COORDINATE W/ NEW CONSTRUCTION & INTERIOR FINISHES.
E-FURNISHINGS & EQUIPMENT	
E1	REMOVE EXISTING LOWER CASEWORK, SINKS, AND ASSOCIATED PLUMBING. PATCH AND REPAIR WALLS AS REQD. COORD. W/ NEW CONSTRUCTION AND MECHANICAL SHEETS. ALL CASEWORK REMOVED AND NOT REINSTALLED SHALL BE TURNED OVER TO OWNER.
E2	REMOVE EXISTING UPPER CASEWORK. PATCH AND REPAIR WALLS AS REQD. COORD. W/ NEW CONSTRUCTION AND MECHANICAL SHEETS. ALL CASEWORK REMOVED AND NOT REINSTALLED SHALL BE TURNED OVER TO OWNER.
E3	REMOVE EXISTING FULL-HEIGHT CASEWORK, PATCH AND REPAIR WALLS AS REQD. COORD. W/ NEW CONSTRUCTION AND MECHANICAL SHEETS. ALL CASEWORK REMOVED AND NOT REINSTALLED SHALL BE TURNED OVER TO OWNER.
F-MISCELLANEOUS	
F1	REMOVE EXISTING PLUMBING FIXTURE IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO WALL, FLOOR AND CEILING CONSTRUCTION TO EXTENT NEEDED TO REMOVE ALL SUPPLY LINES AND SEWER LINES IN THEIR ENTIRETY TO BRANCHES FROM MAINS. REPAIR WALL, ADJACENT WALLS, FLOORS AND CEILINGS IF APPLICABLE, TO MATCH EXISTING FINISH. COORDINATE WITH MECHANICAL.
F2	REMOVE EXISTING FIRE EXTINGUISHER CABINET. PROTECT AND SALVAGE ADJACENT FINISHED SURFACES. REPAIR, INFILL OR SOAP IN EXISTING WALL TO MATCH EXISTING FINISH. CMU WALLS SHALL BE SOAEP IN TO THE NEAREST FULL SCORED CMU JOINT.
F3	REMOVE EXISTING WALL-HOUSED GATE ASSEMBLY, HOUSING COVER ELEMENT, AND ALL ASSOCIATED HARDWARE. PROTECT AND SALVAGE ADJACENT FINISHED SURFACES. REPAIR, INFILL OR SOAP IN EXISTING WALL TO MATCH EXISTING FINISH. CMU WALLS SHALL BE SOAEP IN TO THE NEAREST FULL SCORED CMU JOINT.
F4	MODIFY DISH DROP. REFER TO DETAILS 3/A6.24 AND 4/A6.24
G-ROOF	
G1	REMOVE EXISTING ROOF STRUCTURE IN ITS ENTIRETY TO THE EXTENT SHOWN, INCLUDING BUT NOT LIMITED TO: STANDING SEAM METAL ROOF, METAL ROOF DECK, ROOF JOINTS, GUTTER, AND FASCIA. COORDINATE EXTENT OF REMOVAL OF STRUCTURE WITH STRUCTURAL.
G2	REMOVE EXISTING KALWALL SKYLIGHT SYSTEM. PRESERVE CURB FOR INSTALLATION OF NEW KALWALL SKYLIGHT SYSTEM. COORD. W/ NEW CONSTRUCTION.
G3	REMOVE EXISTING METAL FASCIA, GUTTER, AND DOWNSPOUTS TO THE EXTENT SHOWN FOR INSTALLATION OF NEW KNEE WALL AND ROOF. COORD. W/ NEW CONSTRUCTION.
G4	REMOVE ROOF TO THE EXTENT SHOWN INCLUDING BUT NOT LIMITED TO STANDING SEAM METAL ROOF AND ROOF DECK TO ALLOW FOR NEW ROOF ACCESS HATCH. COORD. W/ NEW CONSTRUCTION.
G5	REMOVE EXISTING STANDING SEAM METAL ROOF TO THE EXTENT SHOWN TO ALLOW FOR INSTALLATION OF NEW STANDING SEAM METAL ROOF. PRESERVE EXISTING METAL ROOF DECK AND STRUCTURE. COORD. W/ NEW CONSTRUCTION.



FIRST FLOOR DEMO PLAN - AREA 'C'
SCALE: 1/8" = 1'-0"



SHEET HISTORY:
ISSUED 02/05/2016 CONSTRUCTION DOCUMENTS
A - 02 02/25/2016 PER ADDENDUM #02



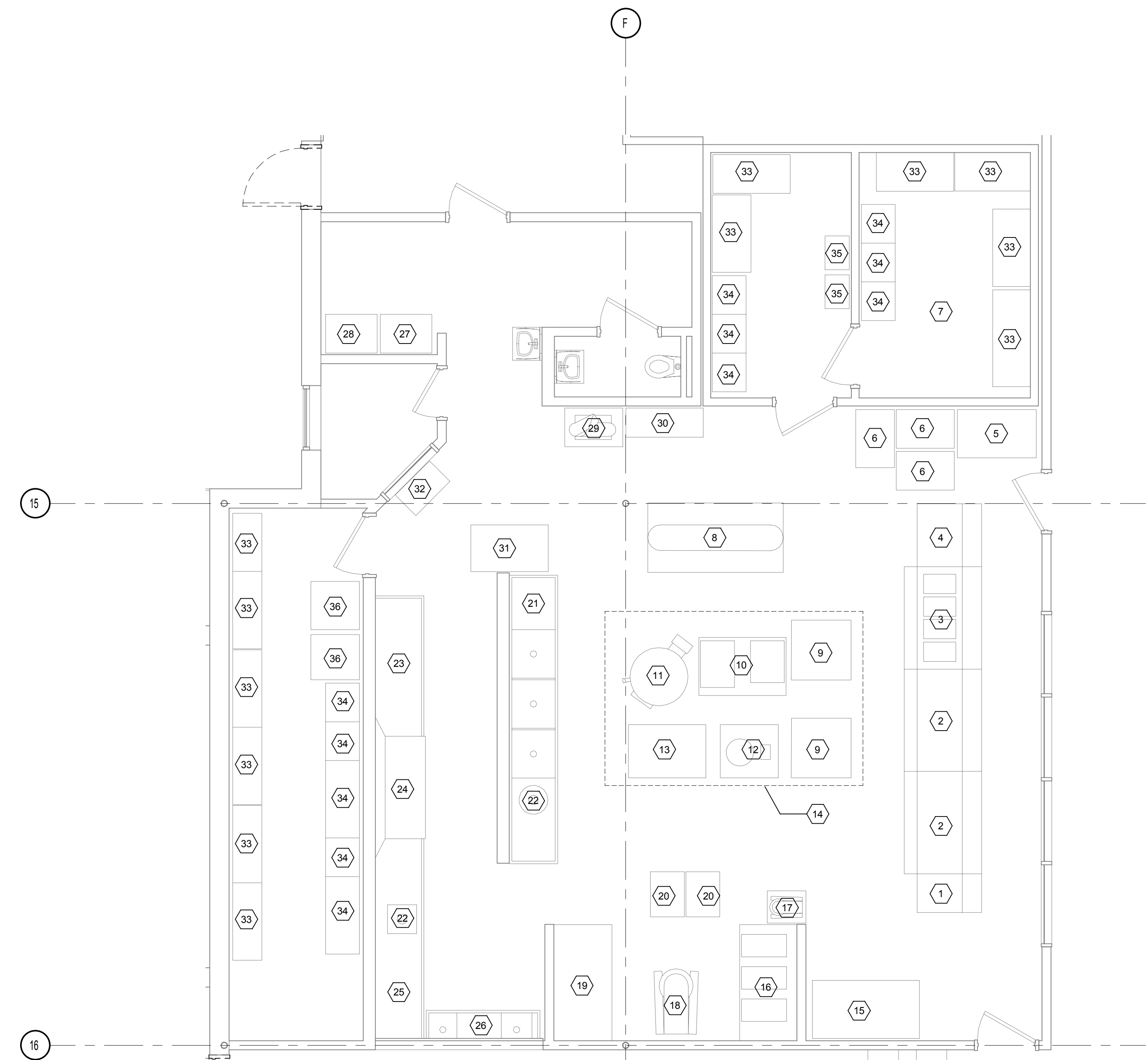
LPS Humann Elementary Renovation
6720 Rockwood Ln.
Lincoln, NE 68516
TCEP No.: 097-039-15
February 5, 2016

First Floor Demolition Plan
- Area 'C'
A0.11C

Plot Time Stamp: 2/25/2016 4:53:24 PM
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KITCHEN EQUIPMENT COORDINATION SCHEDULE

TAG	DESCRIPTION	COORDINATION
1	PRECISION CASH STAND	LPS TO MOVE TO BISON FACILITY
2	PRECISION COLD FOOD COUNTER	LPS TO MOVE TO BISON FACILITY
3	PRECISION HOT FOOD COUNTER	LPS TO MOVE TO BISON FACILITY
4	PRECISION FLATWARE AND TRAY COUNTER	LPS TO REMOVE OFF SITE
5	BEVERAGE AIR MILK COOLER	LPS TO MOVE TO BISON FACILITY
6	TRAY CART (36" X 24")	LPS TO MOVE TO BISON FACILITY
7	VOLLRATH FREEZER/COOLER UNIT	EQUIPMENT TO REMAIN ON SITE, IN PLACE - GENERAL CONTRACTOR TO BUILD SHIPPING CRATE PLYWOOD ENCLOSURE WRAPPED IN HEAVY MIL PLASTIC
8	PREP TABLE WITH UTENSIL RACK	LPS TO REMOVE OFF SITE
9	BLOODETT DOUBLE OVEN	GENERAL CONTRACTOR TO REMOVE, DISCONNECT AND STORE ON SITE FOR GENERAL CONTRACTOR REINSTALLATION - BUILD SHIPPING CRATE PLYWOOD ENCLOSURE WRAPPED IN HEAVY MIL PLASTIC
10	VULCAN PRESSURELESS STEAMER	GENERAL CONTRACTOR TO REMOVE, DISCONNECT AND STORE ON SITE FOR GENERAL CONTRACTOR REINSTALLATION - BUILD SHIPPING CRATE PLYWOOD ENCLOSURE WRAPPED IN HEAVY MIL PLASTIC
11	GROEN GAD STEAM KETTLE	GENERAL CONTRACTOR TO REMOVE, DISCONNECT AND STORE ON SITE FOR GENERAL CONTRACTOR REINSTALLATION - BUILD SHIPPING CRATE PLYWOOD ENCLOSURE WRAPPED IN HEAVY MIL PLASTIC
12	GROEN STEAM KETTLE	GENERAL CONTRACTOR TO REMOVE, DISCONNECT AND STORE ON SITE FOR GENERAL CONTRACTOR REINSTALLATION - BUILD SHIPPING CRATE PLYWOOD ENCLOSURE WRAPPED IN HEAVY MIL PLASTIC
13	VULCAN BRAISING PAN	GENERAL CONTRACTOR TO REMOVE, DISCONNECT AND STORE ON SITE FOR GENERAL CONTRACTOR REINSTALLATION - BUILD SHIPPING CRATE PLYWOOD ENCLOSURE WRAPPED IN HEAVY MIL PLASTIC
14	EXHAUST HOOD	EQUIPMENT TO REMAIN ON SITE, IN PLACE - GENERAL CONTRACTOR TO BUILD SHIPPING CRATE PLYWOOD ENCLOSURE WRAPPED IN HEAVY MIL PLASTIC
15	HOBART ROLL-IN REFRIGERATOR	LPS TO REMOVE OFF SITE
16	PREP TABLE WITH INGREDIENT BINS UNDERNEATH	LPS TO REMOVE OFF SITE
17	HOBART 20 QUART MIXER	LPS TO REMOVE OFF SITE
18	HOBART 60 QUART MIXER	LPS TO REMOVE OFF SITE
19	PREP TABLE (6' X 3')	LPS TO REMOVE OFF SITE
20	COOLING RACK (29" X 21")	LPS TO REMOVE OFF SITE
21	POT AND PAN SINK	EQUIPMENT TO REMAIN ON SITE, IN PLACE - GENERAL CONTRACTOR TO BUILD SHIPPING CRATE PLYWOOD ENCLOSURE WRAPPED IN HEAVY MIL PLASTIC
22	SALVAJOR II GARBAGE DISPOSAL	EQUIPMENT TO REMAIN ON SITE, IN PLACE - GENERAL CONTRACTOR TO BUILD SHIPPING CRATE PLYWOOD ENCLOSURE WRAPPED IN HEAVY MIL PLASTIC
23	CLEAN DISH TABLE	EQUIPMENT TO REMAIN ON SITE, IN PLACE - GENERAL CONTRACTOR TO BUILD SHIPPING CRATE PLYWOOD ENCLOSURE WRAPPED IN HEAVY MIL PLASTIC
24	HOBART DISHWASHER	EQUIPMENT TO REMAIN ON SITE, IN PLACE - GENERAL CONTRACTOR TO BUILD SHIPPING CRATE PLYWOOD ENCLOSURE WRAPPED IN HEAVY MIL PLASTIC
25	SOILED DISH TABLE	EQUIPMENT TO REMAIN ON SITE, IN PLACE - GENERAL CONTRACTOR TO BUILD SHIPPING CRATE PLYWOOD ENCLOSURE WRAPPED IN HEAVY MIL PLASTIC
26	SINK UNIT	GENERAL CONTRACTOR TO PROVIDE NEW EQUIPMENT, GENERAL CONTRACTOR TO REMOVE AND RECYCLE
27	MAYTAG WASHER	GENERAL CONTRACTOR TO REMOVE, DISCONNECT AND STORE ON SITE FOR GENERAL CONTRACTOR REINSTALLATION - BUILD SHIPPING CRATE PLYWOOD ENCLOSURE WRAPPED IN HEAVY MIL PLASTIC
28	GE DRYER	GENERAL CONTRACTOR TO REMOVE, DISCONNECT AND STORE ON SITE FOR GENERAL CONTRACTOR REINSTALLATION - BUILD SHIPPING CRATE PLYWOOD ENCLOSURE WRAPPED IN HEAVY MIL PLASTIC
29	HOBART SLICER ON TABLE	LPS TO REMOVE OFF SITE
30	METRO WIRE RACK	LPS TO REMOVE OFF SITE
31	PORTABLE METAL SHELVES (48" X 29")	LPS TO MOVE TO BISON FACILITY
32	UTILITY CART (18" X 30")	LPS TO REMOVE OFF SITE
33	WIRE SHELVES	LPS TO REMOVE OFF SITE
34	DUNNAGE RACKS	LPS TO REMOVE OFF SITE
35	COOLING RACK (21" X 15")	LPS TO REMOVE OFF SITE
36	BREAD RACK	LPS TO REMOVE OFF SITE



KITCHEN DEMO PLAN
 SCALE: 1/4" = 1'-0"
 TRUE NORTH PLAN NORTH

LPS Humann Elementary Renovation

6720 Rockwood Ln.
 Lincoln, NE 68516

TCEP No.: 097-039-15

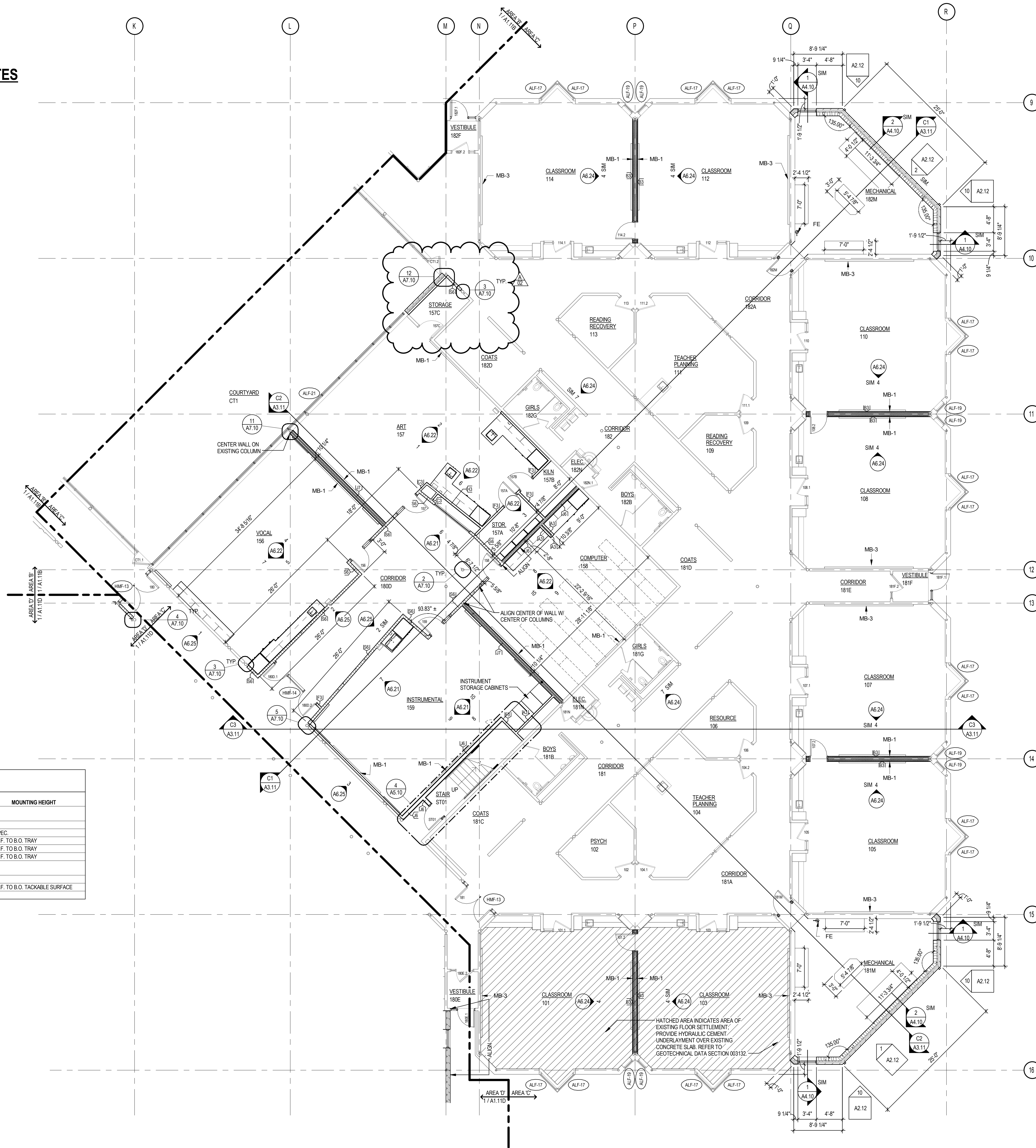
February 5, 2016

Kitchen Equipment
 Coordination Plan

A0.12

GENERAL CONSTRUCTION NOTES

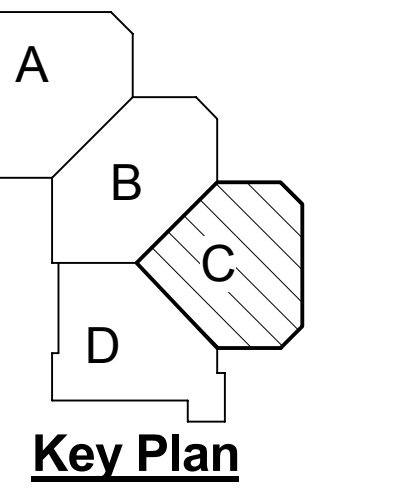
- THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS SHOWN ON THE PLANS PRIOR TO COMMENCEMENT OF THE WORK. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO COORDINATE INSTALLATION OF NEW WORK WITHIN THESE EXISTING CONDITIONS. ANY DEVIATIONS IN EXISTING CONDITIONS OR DIMENSIONS INDICATED SHALL BE COORDINATED WITH THE ARCHITECT AND OWNER IN ORDER TO MODIFY PLANS ACCORDINGLY.
- REFER TO CODE COMPLIANCE PLANS (G1.10 - G1.14) FOR LOCATION OF FIRE RATED WALLS AND SMOKE SEPARATION WALL LOCATIONS AND REQUIREMENTS.
- ALL WALL / GENERAL PLAN DIMENSIONS ARE TO FACE OF MASONRY, FACE OF CONCRETE, AND TO FACE OF GYP. BOARD, TYP.
- WALLS ARE DESCRIBED STARTING ON TAG SIDE OF WALL.
- REFER TO STRUCTURAL DRAWINGS FOR GROUTING AND REINFORCEMENT OF CMU WALLS.
- ALL INTERIOR WALL FRAMING NOTED IN WALL TYPE SCHEDULE EXTENDS TO STRUCTURAL DECKING, BRACE AS REQUIRED. PROVIDE DEEP LEG SLIP TRACK AT TOP OF ALL INTERIOR WALLS / STUDS EXTENDING TO STRUCTURE TO ALLOW FOR DEFLECTION OF STRUCTURE.
- INTERIOR DOOR FRAMES IN STEEL STUD WALLS SHALL BE INSTALLED WITH THE SWING SIDE OF DOOR FRAME 2" FROM ADJACENT WALL, UNLESS OTHERWISE DIMENSIONED. INTERIOR DOOR FRAMES IN CMU WALLS SHALL BE INSTALLED WITH THE SWING SIDE OF DOOR FRAME 4" FROM ADJACENT WALL (OR TO NEAREST VERTICAL JOINT), UNLESS OTHERWISE DIMENSIONED.
- PROVIDE BULLNOSE UNITS @ ALL DOOR AND WINDOW OPENINGS, END WALLS, AND OUTSIDE CORNERS IN CMU WALLS.
- ALL STEEL STUDS ARE 25 GA. MIN. UNLESS NOTED OTHERWISE. 20 GA STEEL STUDS REQUIRED AT ALL CEMENTITIOUS BACKER BOARD.
- 5/8" CEMENTITIOUS BACKER BOARD SHALL BE SUBSTITUTED FOR GYP. BOARD IN ALL LOCATIONS WHERE CERAMIC AND/OR PORCELAIN WALL TILE FINISHES TO BE INSTALLED.
- ALL OPENINGS IN RATED ASSEMBLIES SHALL BE SEALED WITH FIRE / SMOKE RATED MATERIALS AND ASSEMBLIES. INSTALL RATED JOINT SEALANTS AT BOTH FACES OF PARTITIONS, AT PERIMETERS, AND THROUGH FIRE RATED ASSEMBLIES. REFERENCE CODE COMPLIANCE PLANS (G2.10) FOR RATED ASSEMBLIES.
- ALL STC-RATED ASSEMBLIES AND PARTITIONS INDICATED SHALL RECEIVE SOUND INSULATION. SEAL CONSTRUCTION AT PERIMETERS, DECK FLUTES, BEHIND CONTROL JOINTS, AND AT ALL OPENINGS AND PENETRATIONS WITH A CONTINUOUS BEAD OF ACOUSTICAL JOINT SEALANT. INSTALL ACOUSTICAL JOINT SEALANTS AT BOTH FACES OF PARTITIONS, AT PERIMETERS, AND THROUGH PENETRATIONS. ALL GYP. BOARD JOINTS STAGGERED ON OPPOSITE SIDES.
- GENERAL CONTRACTOR SHALL COORDINATE REPAINTING OF WALLS BETWEEN SUBCONTRACTORS AFTER EXISTING ELECTRICAL FIXTURES ARE SCHEDULED TO BE REMOVED AND PRIOR TO ELECTRICAL FIXTURES BEING REINSTALLED. REFER TO ELECTRICAL PLANS.



NOTE - CONTRACTOR TO PROVIDE APPROPRIATE BLOCKING FOR ALL WALL MOUNTED EQUIPMENT

EQUIPMENT SCHEDULE

TAG	DESCRIPTION	FURNISHED BY	MANUFACTURER	MODEL NUMBER	MOUNTING HEIGHT
CP	OFFICE EQUIPMENT - COPY MACHINE	O.F.O.I			
CT	CHANGING TABLE	O.F.O.I			
FE	WALL MOUNT FIRE EXTINGUISHER	C.F.C.I	SEE SPEC.	SEE SPEC.	SEE SPEC.
MB-1	5' X 12' MARKER BOARD (NEW)	O.F.O.I			32" A.F.F. TO B.O. TRAY
MB-2	4' X 4' MARKER BOARD (NEW)	C.F.C.I	SEE SPEC.	SEE SPEC.	32" A.F.F. TO B.O. TRAY
MB-3	4' X 8' MARKER BOARD (REUSED)	O.F.O.I			32" A.F.F. TO B.O. TRAY
PS	8' X 8' RECESSED CEILING MOUNT PROJECTOR SCREEN	C.F.C.I	SEE SPEC.	SEE SPEC.	
REF	REFRIGERATOR	O.F.O.I			
TB-1	4' X 4' TACKBOARD BOARD	C.F.C.I	SEE SPEC.	SEE SPEC.	32" A.F.F. TO B.O. TACKABLE SURFACE
VM	VENDING MACHINE	O.F.O.I			

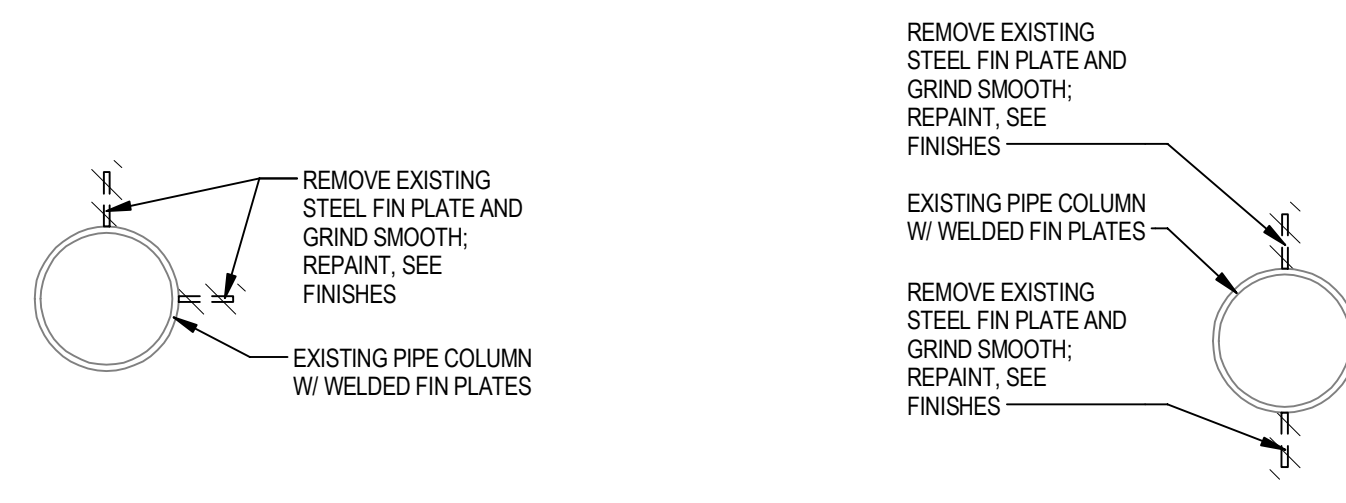


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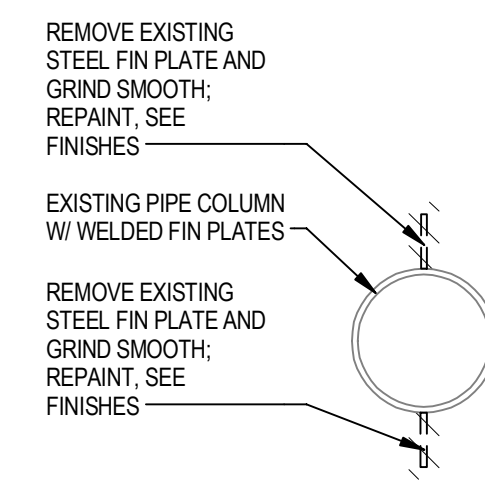
6720 Rockwood Ln.
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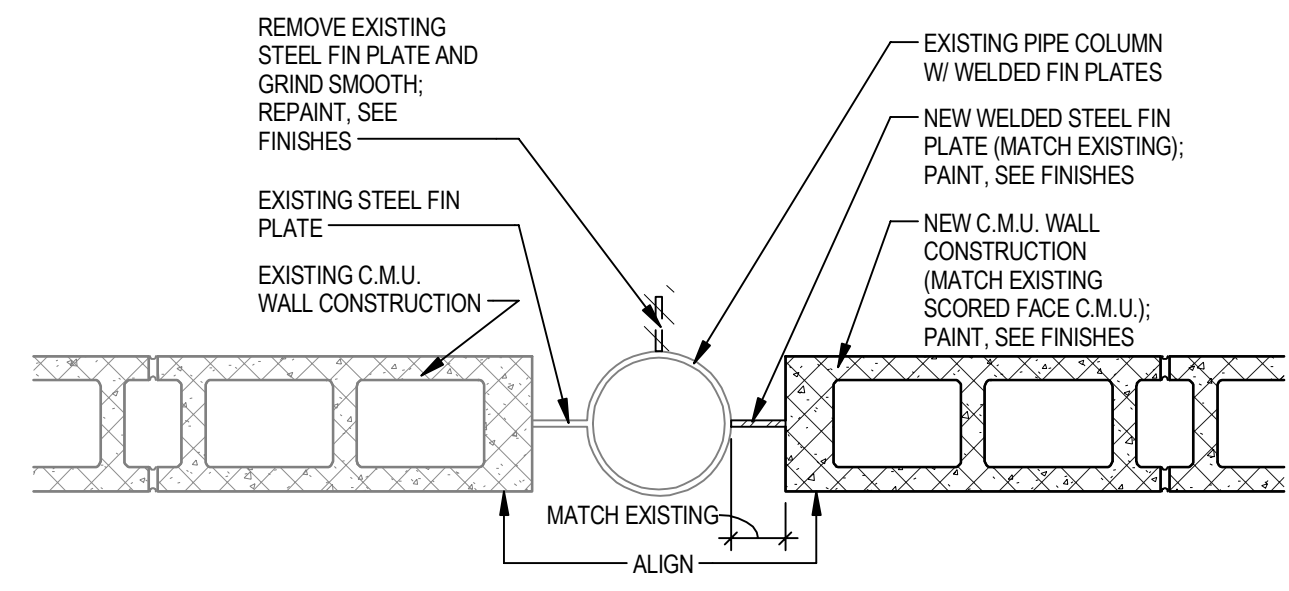
February 5, 2016



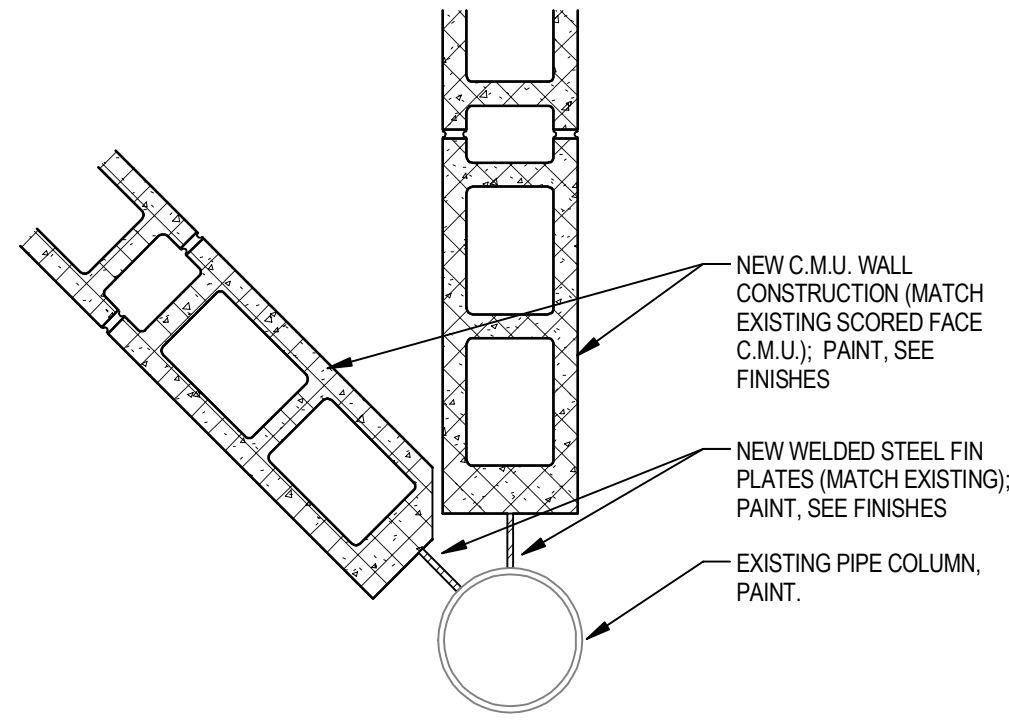
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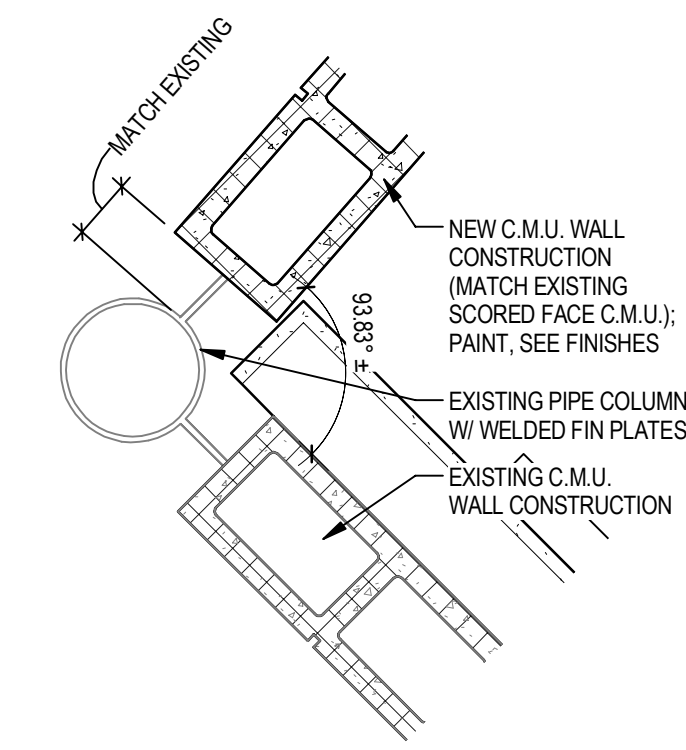
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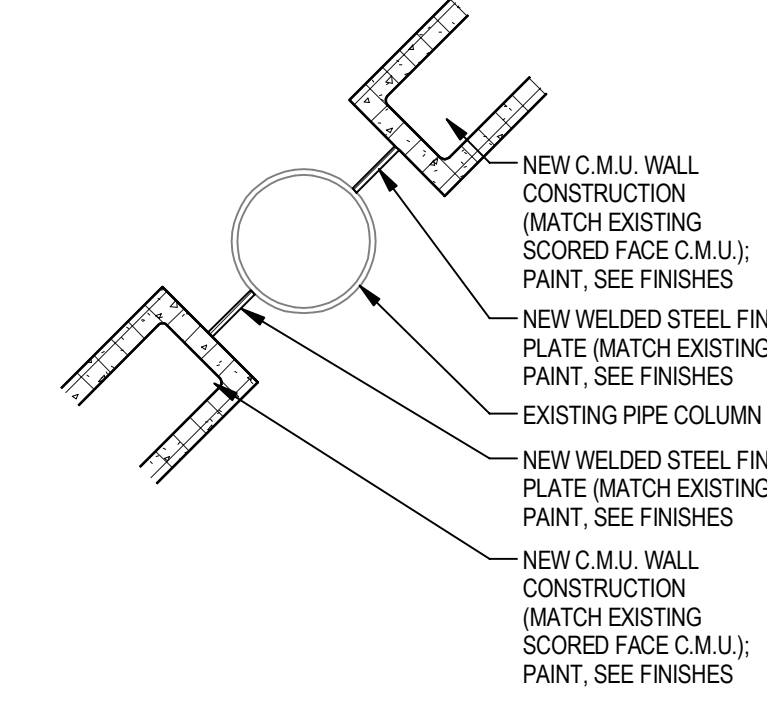
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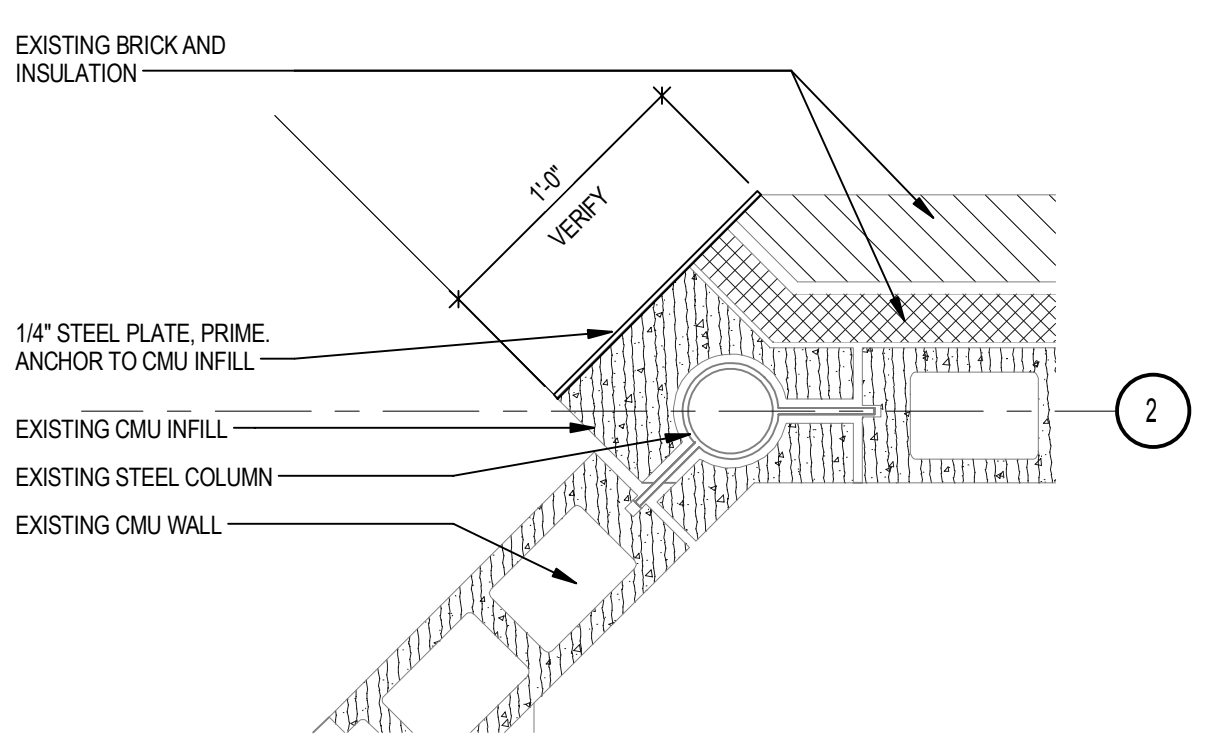
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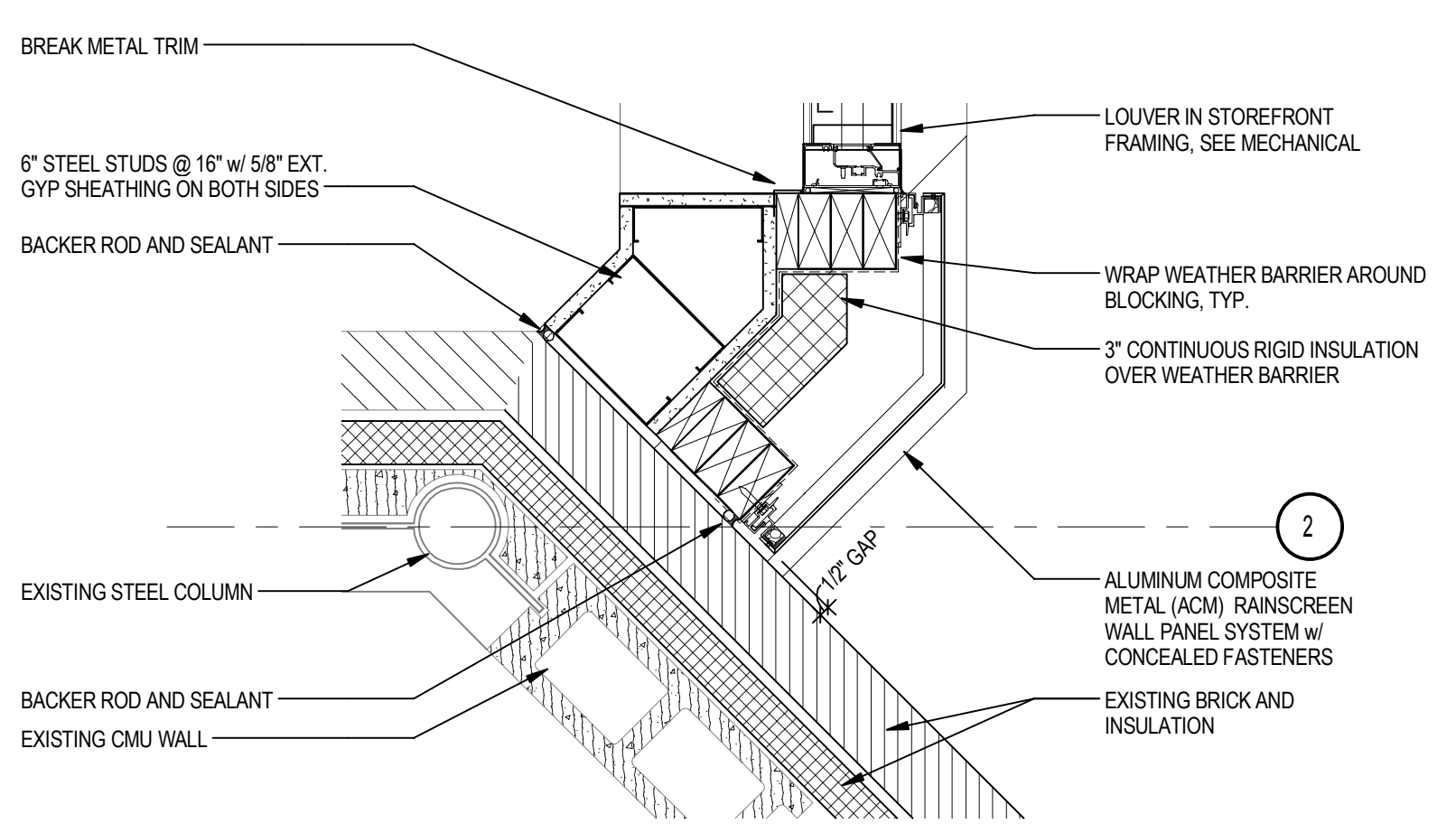
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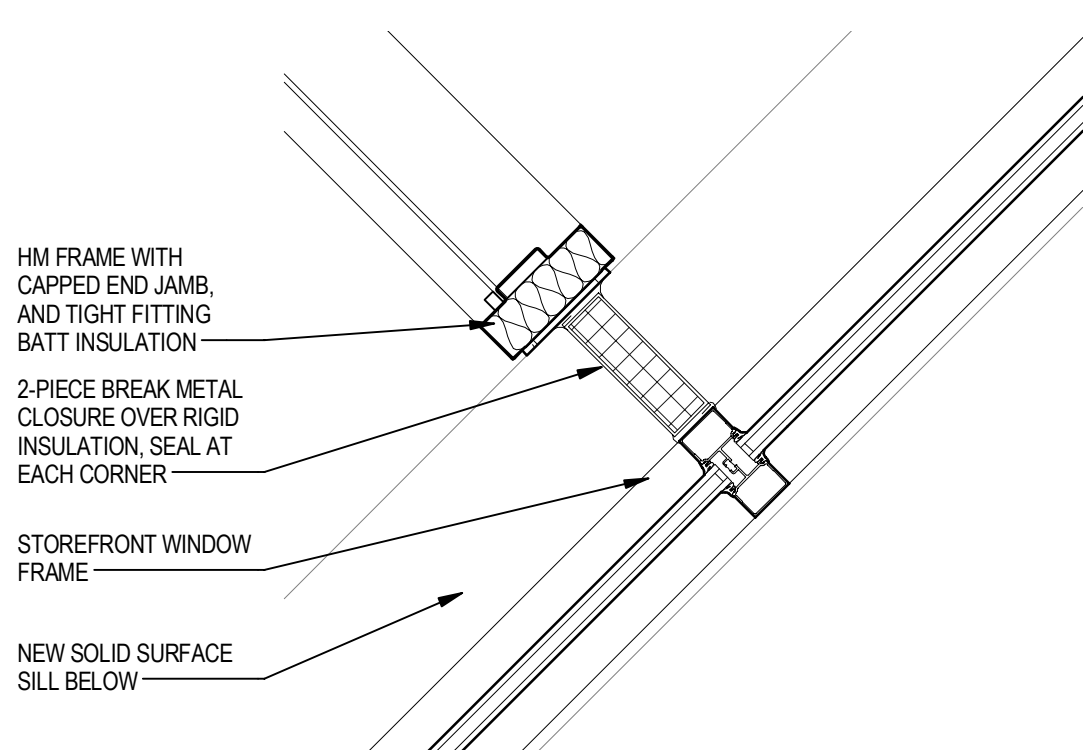
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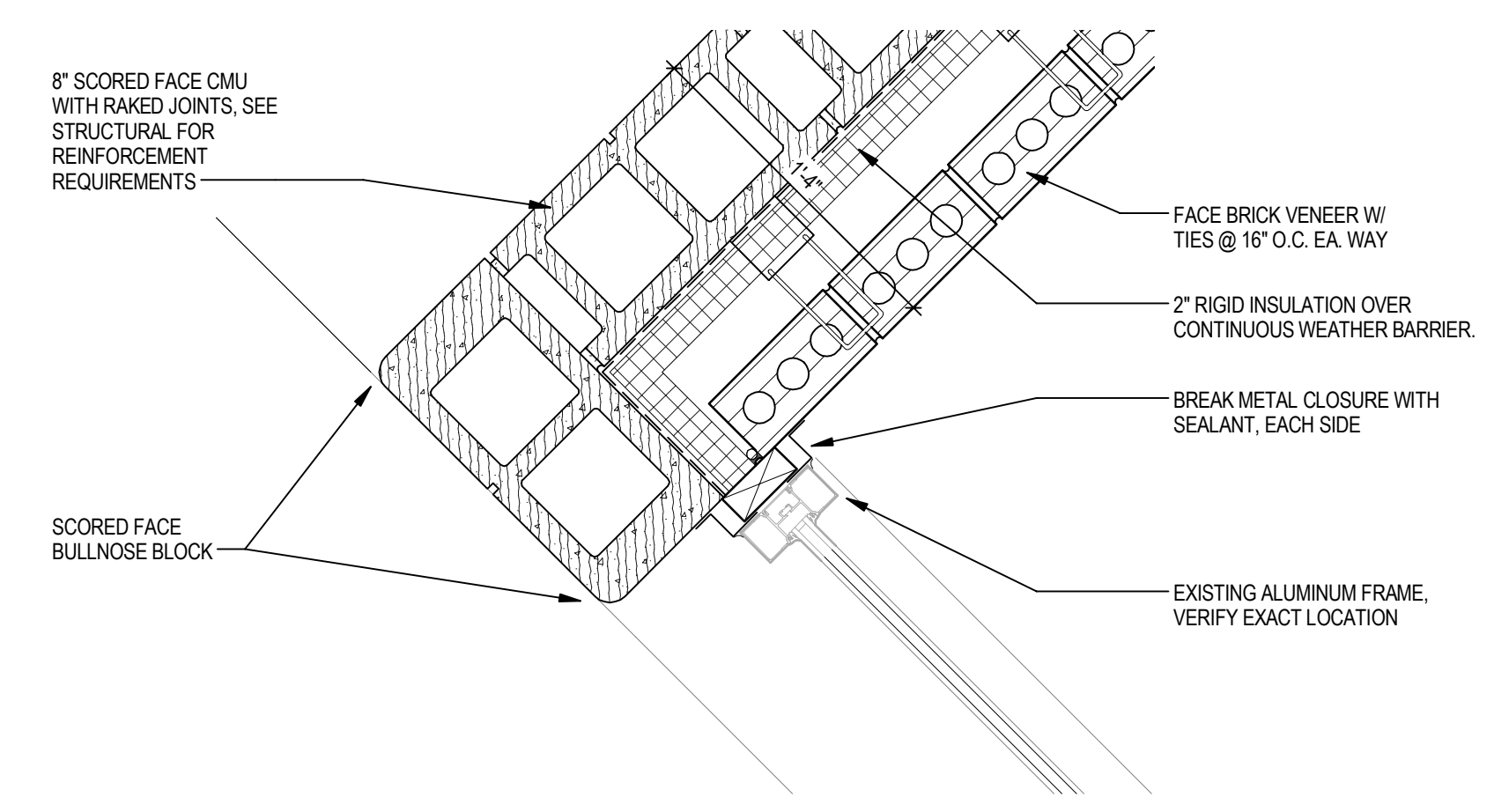
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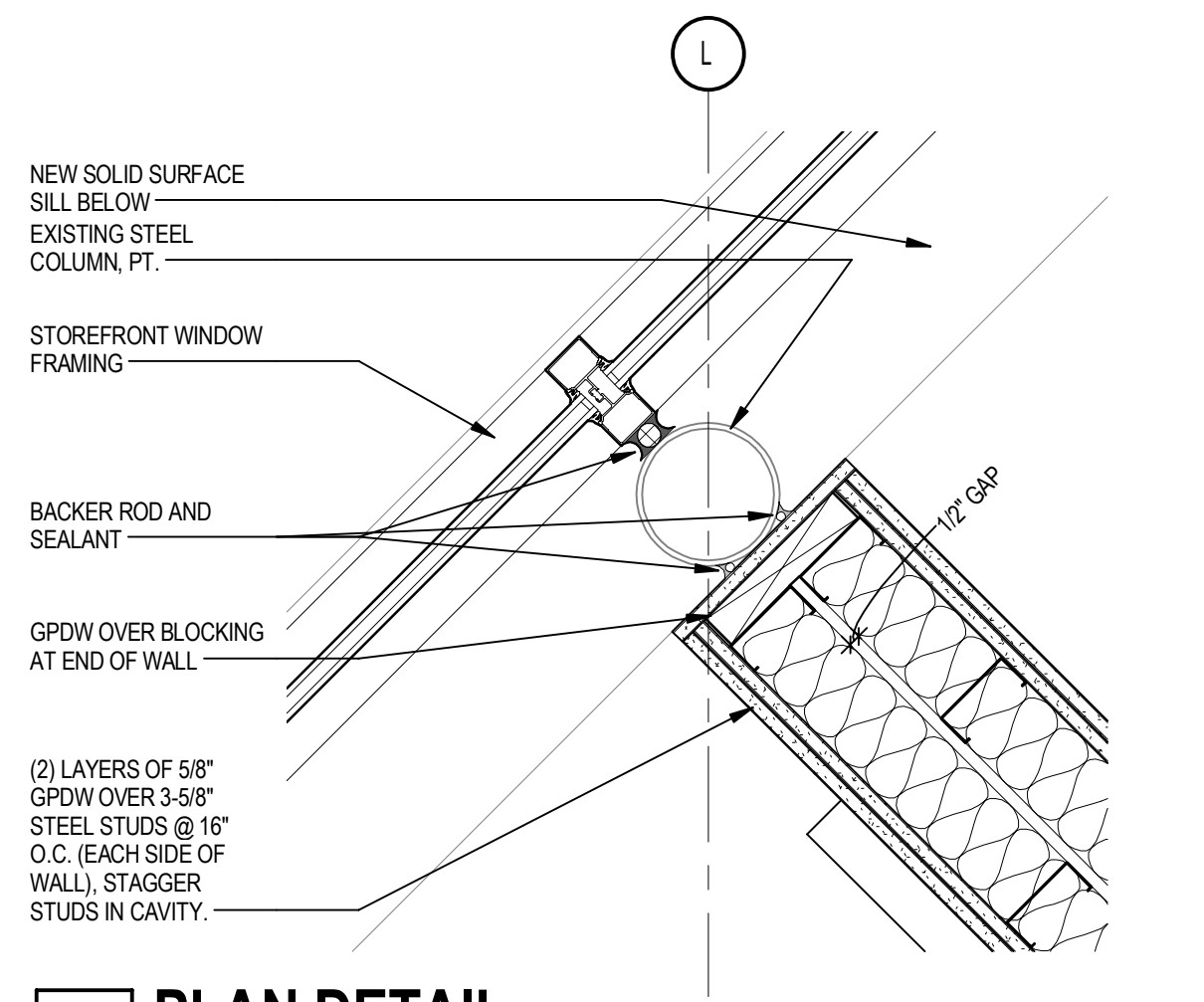
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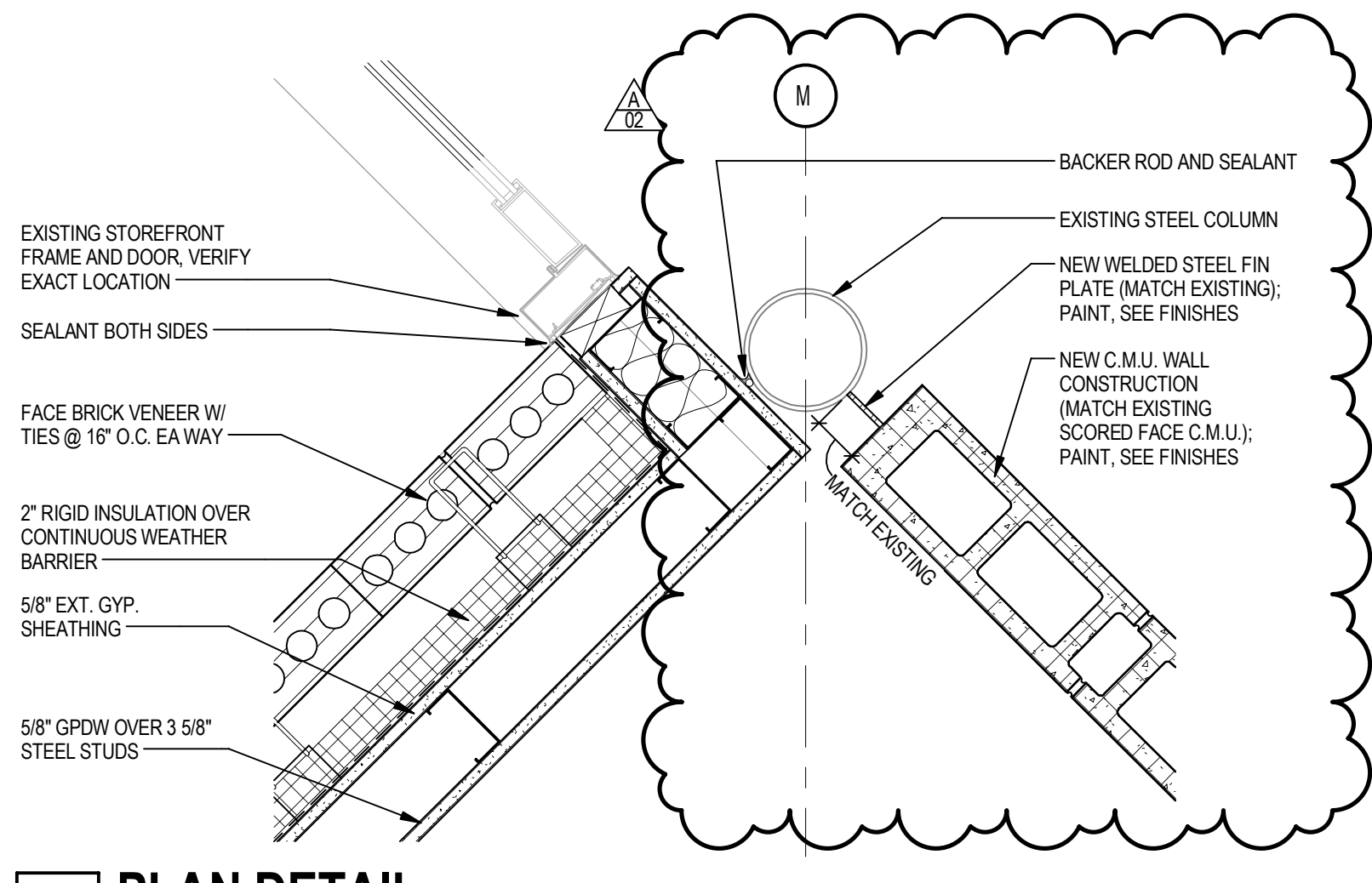
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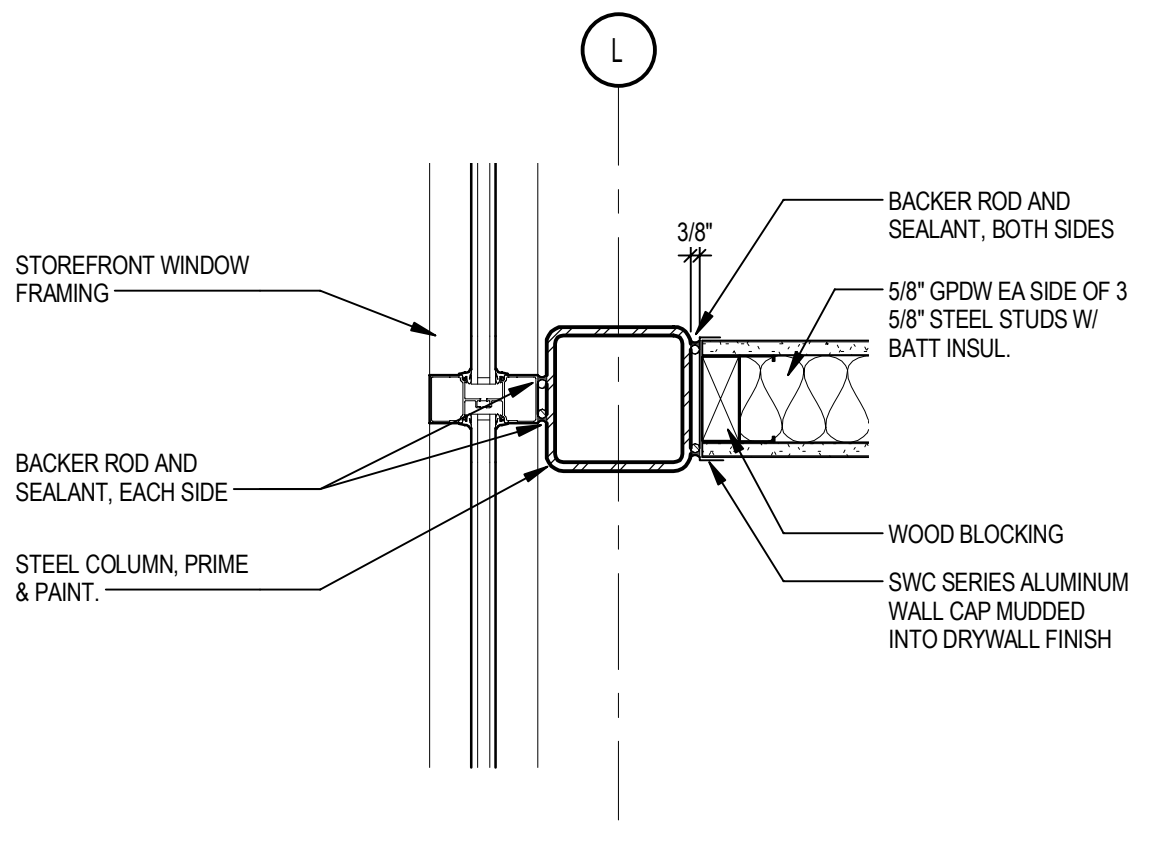
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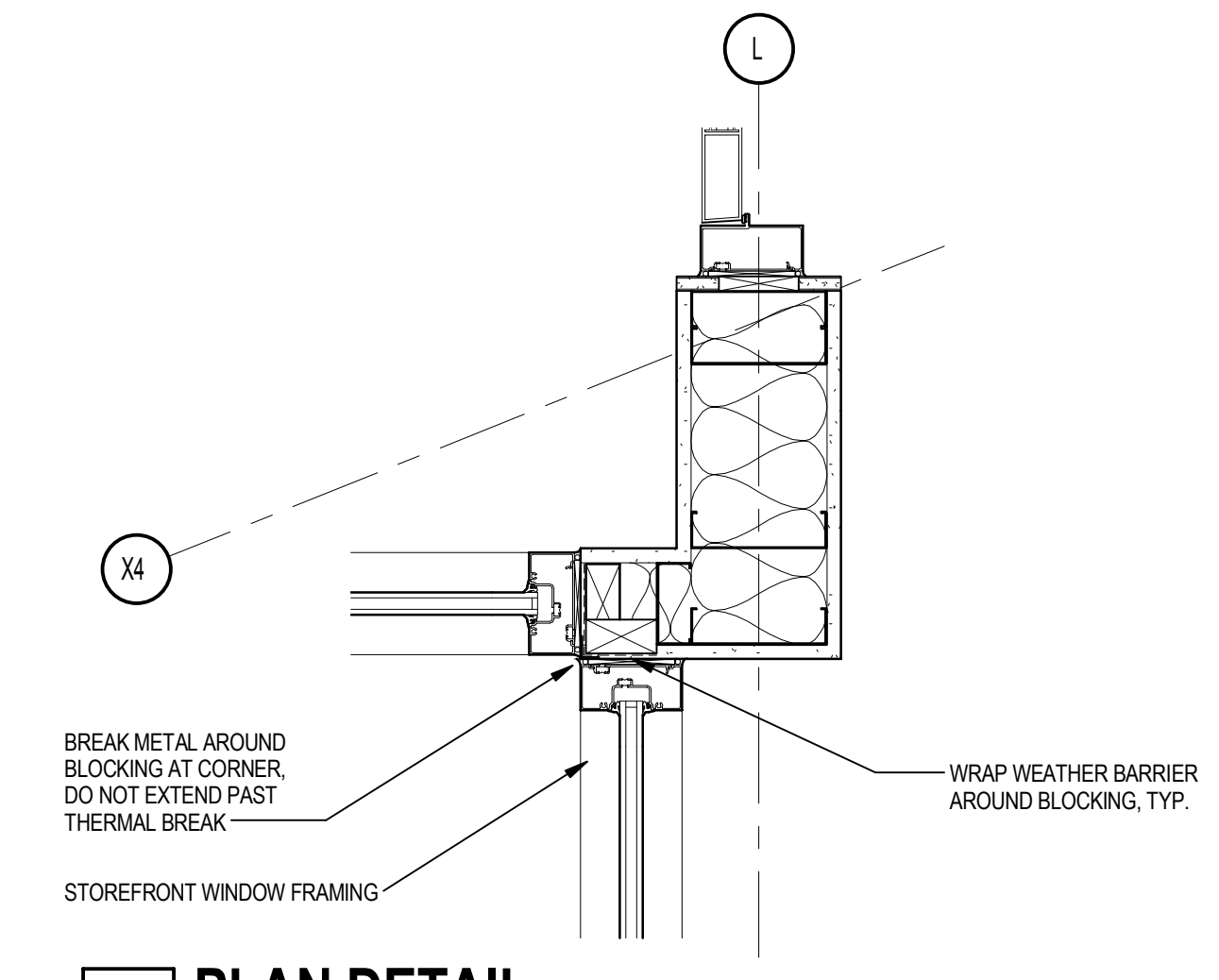
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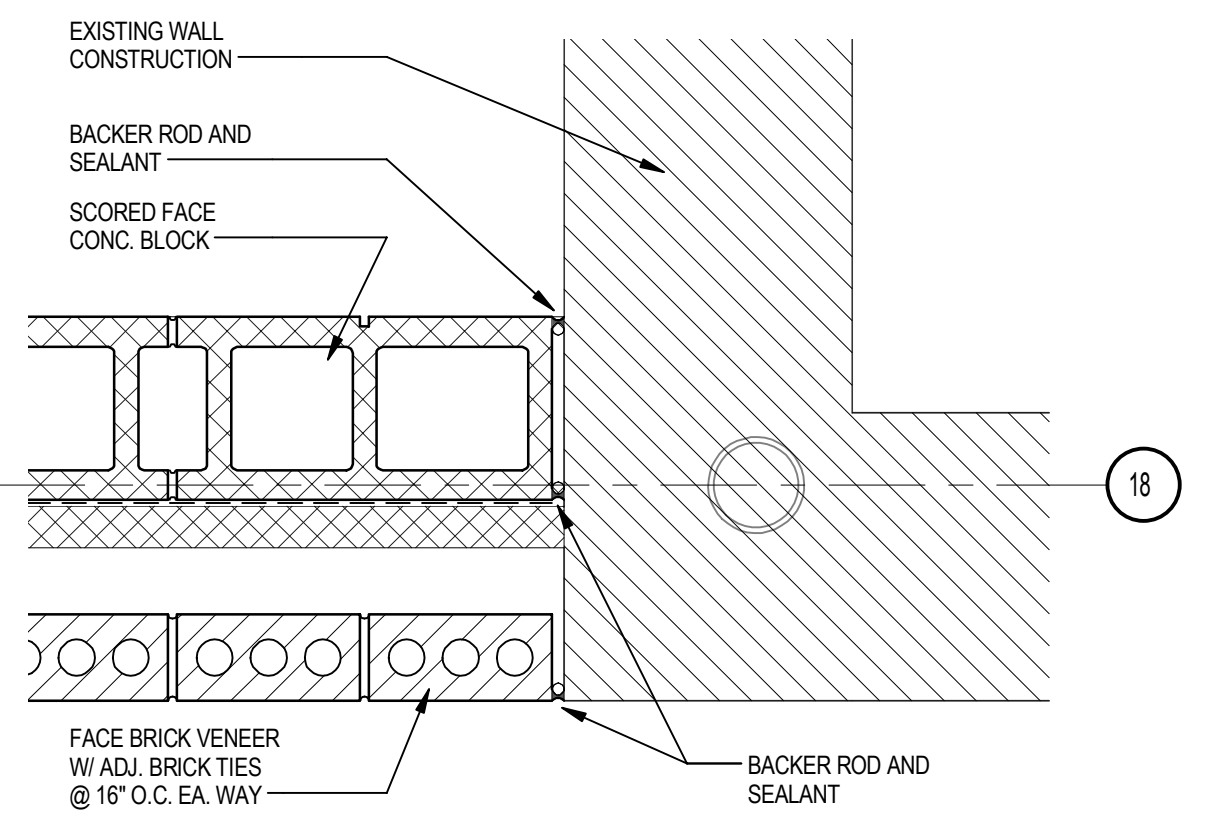
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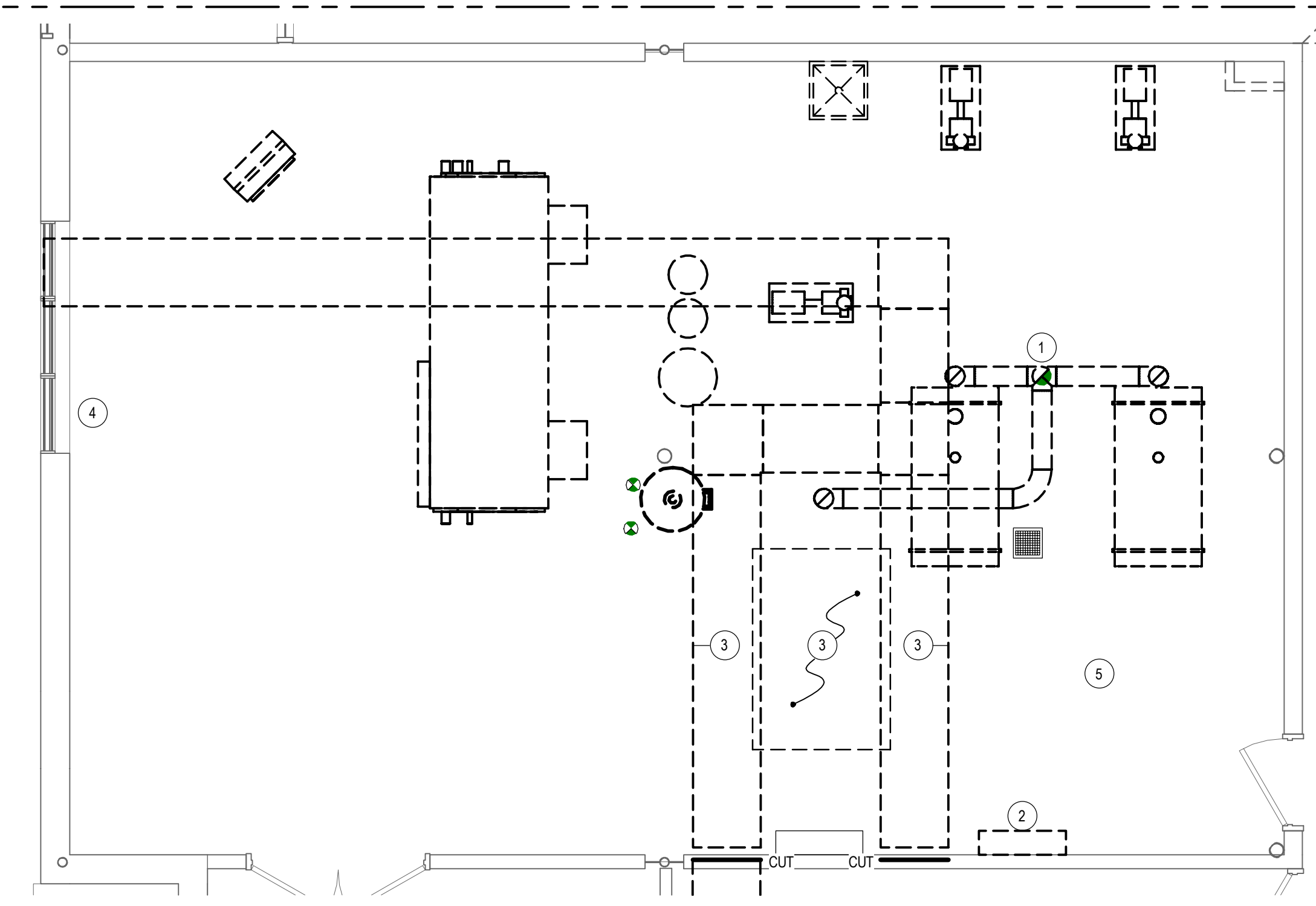
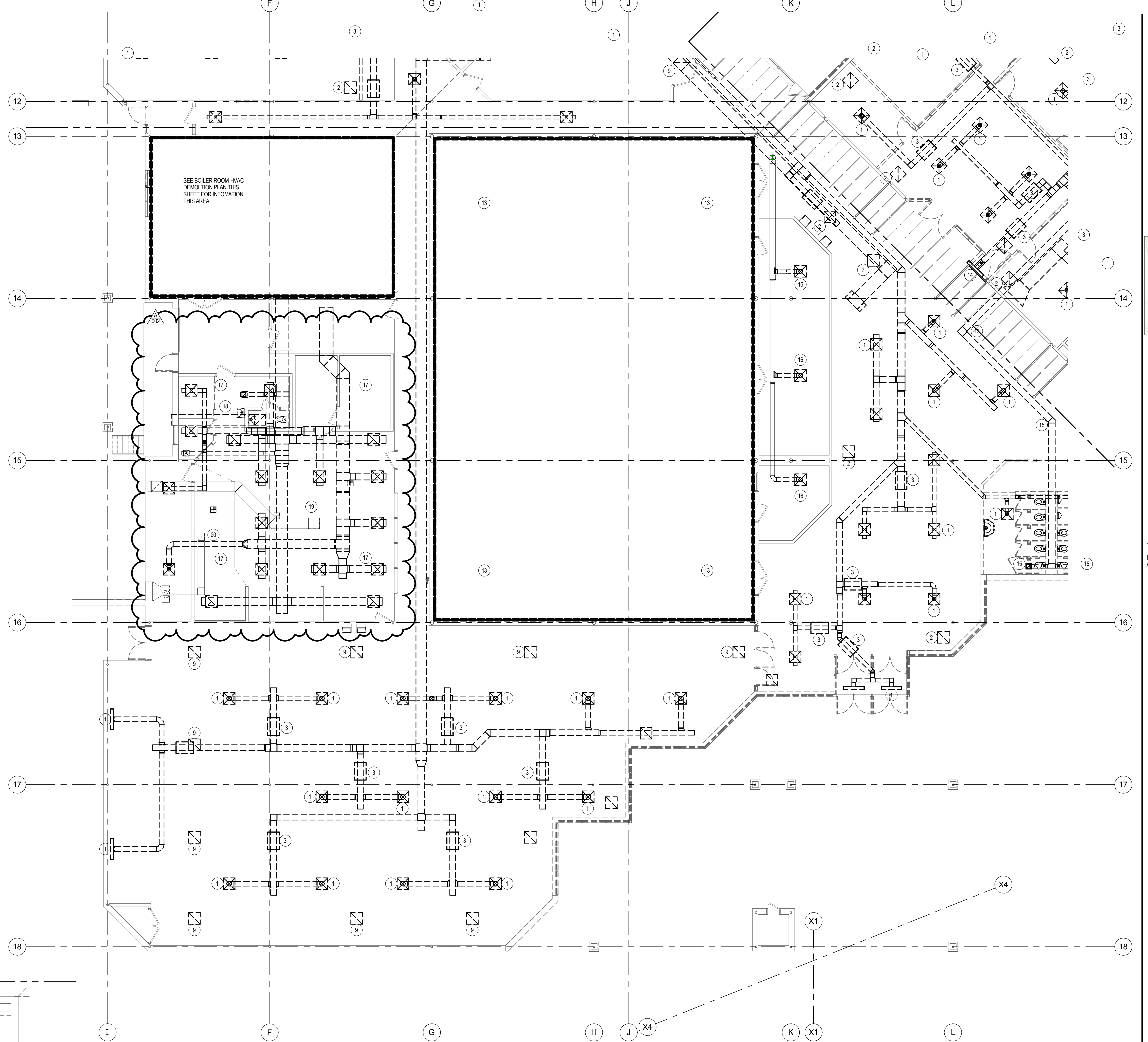
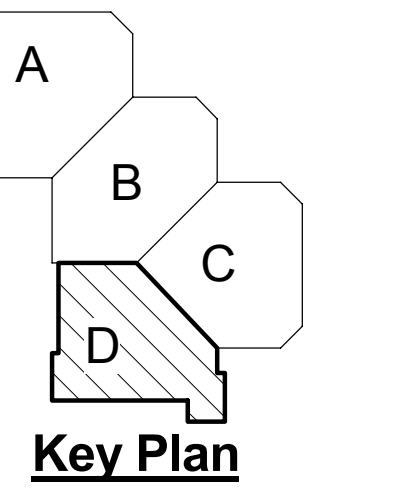
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14 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



15 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"

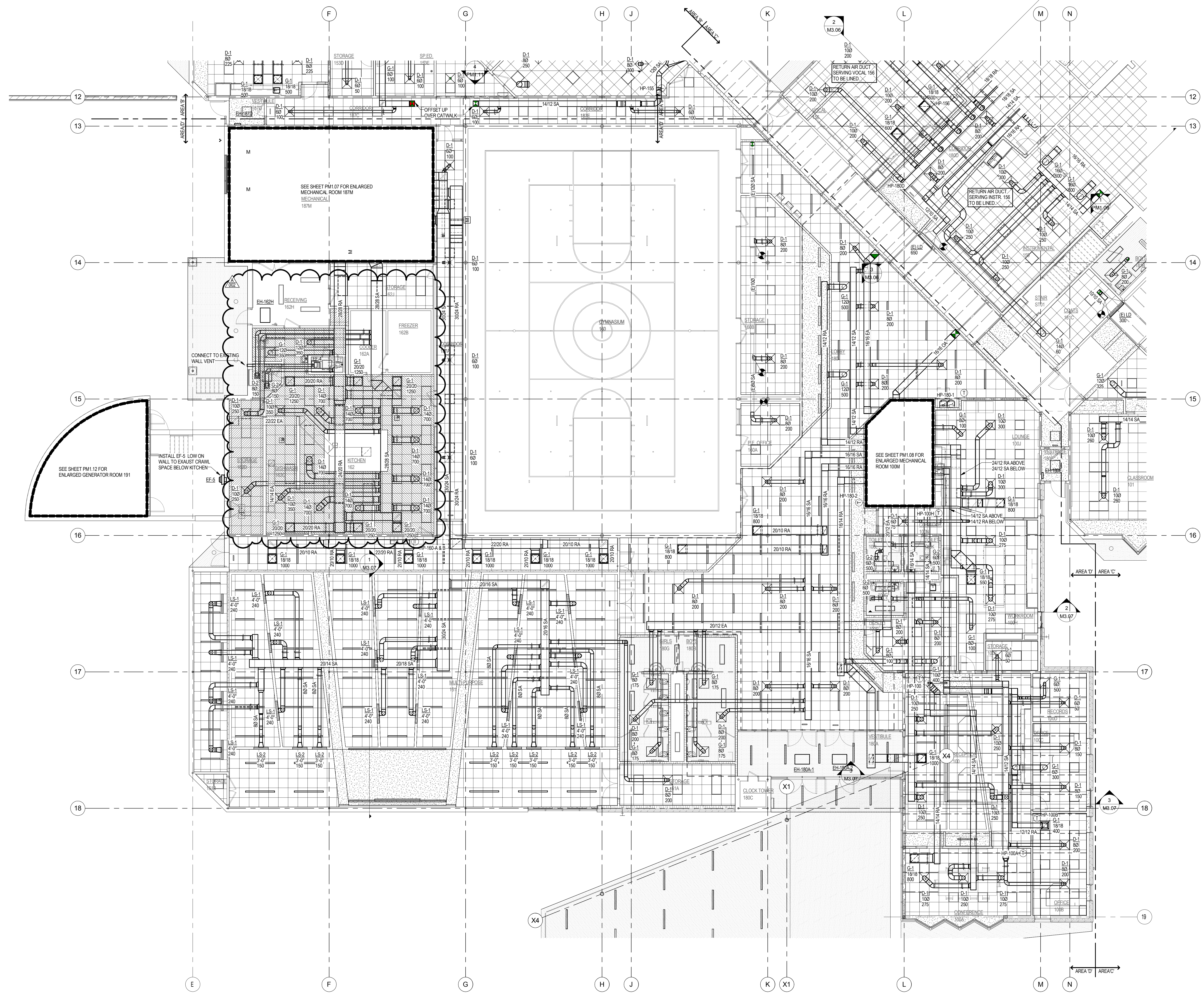
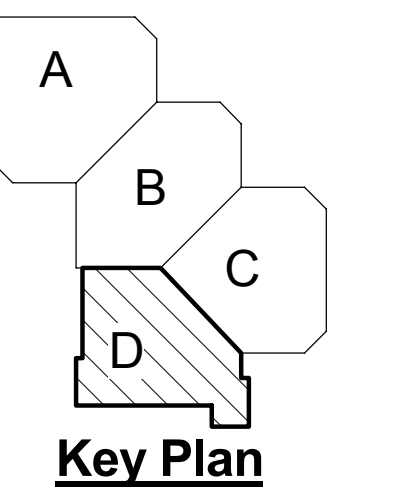


- DEMOLITION NOTES:**
- 1 REMOVE ALL EXISTING BOILER FLUES. CAP FLUE INSIDE AND OUTSIDE WATER TIGHT.
 - 2 REMOVE EXISTING CONTROL PANEL AND CONTROL WIRING AS NECESSARY TO ACCOMMODATE NEW SYSTEMS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 - 3 REMOVE EXISTING AIR HANDLING UNIT ON MEZZANINE ABOVE. REMOVE ALL ASSOCIATED DUCTWORK TO EXISTING LOUVER AND LOCATIONS SHOWN CUT. DUCTWORK SERVING KITCHEN IS TO BE RECONNECTED. EXISTING DUCTWORK TO REMAIN IS TO BE CLEANED PRIOR TO RECONNECTION.
 - 4 REMOVE ALL DUCTWORK SERVING REMOVED GENERATOR.
 - 5 ALL EXISTING MECHANICAL EQUIPMENT IN THIS ROOM TO BE REMOVED. SEE SHEET P0.11D FOR ADDITIONAL INFORMATION.

FIRST FLOOR HVAC DEMOLITION PLAN - AREA 'D'
 SCALE: 1/8" = 1'-0"

- DEMOLITION NOTES:**
- 1 REMOVE EXISTING SUPPLY DIFFUSER, DUCTWORK AND ACCESSORIES IN THEIR ENTIRETY. REMOVE BACK TO REMOVED AIR HANDLING UNIT.
 - 2 REMOVE EXISTING RETURN AIR GRILLE, DUCTWORK AND ACCESSORIES IN THEIR ENTIRETY. REMOVE BACK TO REMOVED AIR HANDLING UNIT.
 - 3 REMOVE EXISTING VAV BOX, SUPPLY DUCT, HOT WATER PIPING, CONTROLS AND ACCESSORIES IN THEIR ENTIRETY. REMOVE BACK TO AIR HANDLING UNIT.
 - 4 REMOVE EXISTING EXHAUST AIR DUCT, GRILLES AND ALL ASSOCIATED ACCESSORIES IN THEIR ENTIRETY TO LOCATION(S) SHOWN CUT.
 - 5 REMOVE EXISTING EXHAUST AIR DUCT, GRILLES AND ALL ASSOCIATED ACCESSORIES IN ENTIRETY TO LOCATIONS SHOWN CUT.
 - 6 REMOVE EXISTING OA DUCT AND ACCESSORIES IN THEIR ENTIRETY FROM REMOVED AIR HANDLER TO REMOVED LOUVERS.
 - 7 CUT SUPPLY DUCT AT LOCATION SHOWN AND REMOVE DUCTWORK FROM LOCATION TO REMOVED AIR HANDLER UNIT. EXISTING DUCTWORK DOWNSTREAM OF CUT LINES IS TO REMAIN.
 - 8 CUT RETURN DUCT AT LOCATION SHOWN AND REMOVE DUCTWORK TO REMOVED AIR HANDLING UNIT. EXISTING DUCTWORK DOWNSTREAM OF CUT LINE IS TO REMAIN.
 - 9 REMOVE EXISTING RETURN AIR GRILLE.
 - 10 REMOVE EXISTING TEMPERATURE SENSOR AND ALL ASSOCIATED CONTROL WIRING IN THEIR ENTIRETY. TYPICAL ALL SENSORS. NEW SENSORS ARE TO BE INSTALLED IN SAME LOCATIONS.
 - 11 REMOVE EXISTING GRILLE AND DUCTWORK IN THEIR ENTIRETY.
 - 12 REMOVE EXISTING FAN COIL AND DUCTWORK IN THEIR ENTIRETY. REMOVE ALL PIPES & ACCESSORIES.
 - 13 AREA TO REMAIN AS IS. DUCTWORK TO REMAIN. DUCTWORK TO BE CLEANED DURING RENOVATION PRIOR TO RECONNECTION.
 - 14 EXISTING SUPPLY REGISTER & DUCT BOOT TO REMAIN AND BE REUSED IN RENOVATION.
 - 15 REMOVE ALL EXISTING EXHAUST AIR GRILLES, DUCTS, LOUVERS & ACCESSORIES IN THEIR ENTIRETY.
 - 16 REMOVE EXISTING SUPPLY DIFFUSER. NEW DIFFUSER TO BE INSTALLED TO ACCOMMODATE NEW CEILING.
 - 17 REMOVE ALL SUPPLY & RETURN AIR DUCTWORK, DIFFUSERS & ASSOCIATED ACCESSORIES IN KITCHEN AREA BACK TO EXISTING AIR HANDLING UNIT.
 - 18 REMOVE EXISTING RESTROOM EXHAUST AND DUCTWORK FAN. WALL VENT TO REMAIN AND RECONNECTED DURING REMODEL.
 - 19 EXISTING KITCHEN HOOD, DUCTWORK, FAN, AND ALL ACCESSORIES TO REMAIN AS IS.
 - 20 EXISTING DISHWASHER HOOD, DUCTWORK, FAN, AND ALL ACCESSORIES TO REMAIN AS IS.

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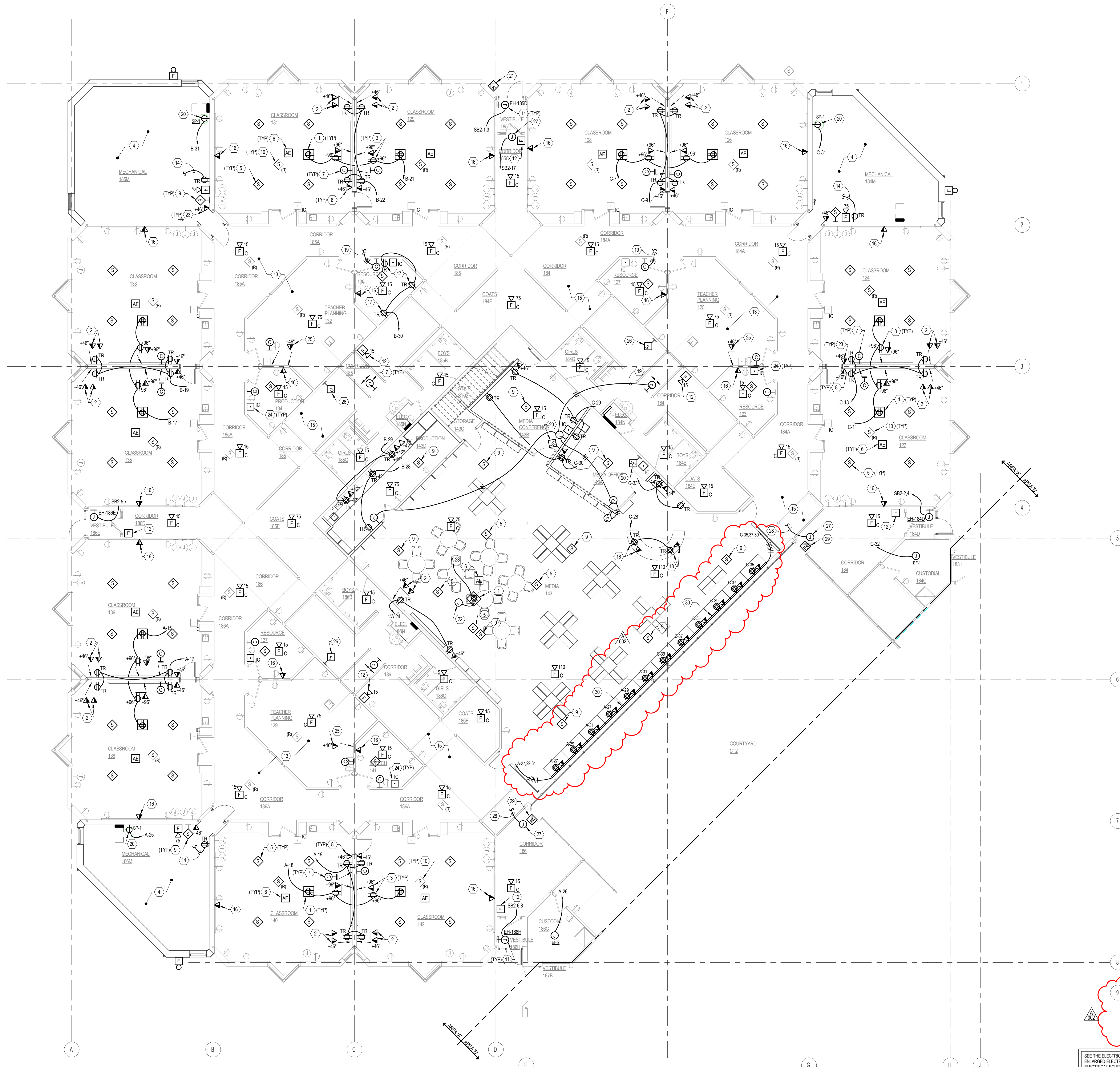
FIRST FLOOR HVAC PLAN - AREA 'D'
SCALE: 1/8" = 1'-0"

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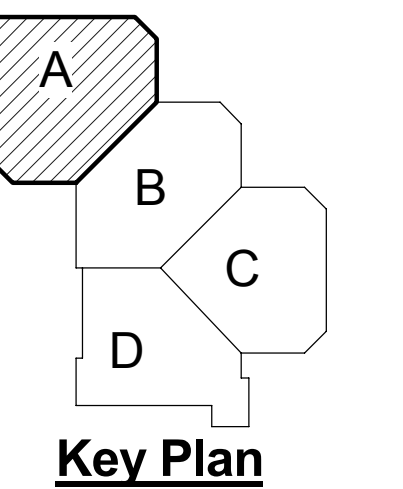
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TCEP No.: 097-039-15

February 5, 2016



FIRST FLOOR POWER & AUXILIARY SYSTEMS PLAN - AREA 'A' NOTES	
KEY NOTE	DESCRIPTION
1	CEILING MOUNTED AV GEAR BOX SHALL REPLACE ONE - 2' X 2' ACOUSTICAL CEILING PAD. PROVIDE A DOUBLE DUPLEX RECEPTACLE INSIDE BOX AND CIRCUIT AS INDICATED. REFER TO THE AV GEAR BOX DETAIL FOR ADDITIONAL INFORMATION.
2	4" SQUARE OUTLET BOX WITH A SINGLE GANG EXTENSION RING, ONE INSTALLED AT 18" AND ONE AT 48" AFF. ROUTE A 1" CONDUIT FROM THE BOX AT 18" UP TO THE BOX AT 48". ROUTE A 1" CONDUIT FROM THE BOX AT 48" UP TO THE ACCESSIBLE CEILING SPACE. BUSH CONDUIT ENDS.
3	SEE THE PROJECTOR OUTLET PLACEMENT DETAIL FOR ADDITIONAL INFORMATION.
4	SEE THE ENLARGED POWER & AUXILIARY SYSTEMS PLANS FOR ADDITIONAL INFORMATION.
5	AUDIO ENHANCEMENT SPEAKER, FURNISHED AND INSTALLED BY THE OWNER.
6	THIS ROOM SHALL BE EQUIPPED WITH AN AUDIO ENHANCEMENT SYSTEM. AUDIO ENHANCEMENT SYSTEM WILL BE FURNISHED AND INSTALLED BY OWNER. COORDINATE INSTALLATION WITH OWNER.
7	CLOCK SHALL BE AN AMERICAN TIME CLOCK, CATALOG NUMBER: US48A334 WITH MOLDED CASE. IF CLOCK IS INDICATED AS A DOUBLE FACED CLOCK IS SHALL BE AN AMERICAN TIME CLOCK, CATALOG NUMBER: US58A404. IF THE CLOCK IS INDICATED TO BE INSTALLED IN THE SAME LOCATION AS AN EXISTING CLOCK NO ADDITIONAL ACCESSORIES ARE NEEDED, CONNECT TO THE EXISTING CIRCUIT AT THE EXISTING CLOCK LOCATION. IF THE CLOCK IS TO BE INSTALLED AT A NEW LOCATION THE CLOCK SHALL BE INSTALLED USING AN AMP #80782-PLUS AND A #80783-3 CAP HOUSING AND CONNECTED TO THE CIRCUIT AS INDICATED. IF THE CLOCK IS IN A CLASSROOM AND IS INDICATED IN A NEW LOCATION, EXTEND THE EXISTING CLOCK CIRCUIT TO THE NEW CLOCK LOCATION. SEE THE POWER AND AUXILIARY SYSTEMS DEMOLITION PLAN FOR ADDITIONAL INFORMATION.
8	4 SQUARE OUTLET BOX WITH A SINGLE GANG EXTENSION RING AND A 1" CONDUIT ROUTED TO ABOVE THE ACCESSIBLE CEILING SPACE. BUSH CONDUIT ENDS. TYPICAL FOR ALL TELECOMMUNICATIONS OUTLETS.
9	INTERCOM SYSTEM SPEAKER. ALL SPEAKERS INDICATED IN A WALL OR IN A GYP CEILING SHALL HAVE A 4" SQUARE BACKBOX WITH A SINGLE GANG EXTENSION RING AND A 1" CONDUIT STUBBED TO THE ACCESSIBLE CEILING SPACE. BUSH CONDUIT ENDS. SEE THE INTERCOM SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
10	EXISTING INTERCOM SYSTEM SPEAKER THAT SHALL BE REMOVED DURING THE DEMOLITION OF THE EXISTING CEILING AND REINSTALLED AT THE LOCATION INDICATED IN THE NEW CEILING. RECONNECT TO THE EXISTING CABLING AS REQUIRED.
11	COORDINATE CONNECTION TO THE ELECTRIC UNIT HEATER WITH THE MECHANICAL CONTRACTOR.
12	NEW FIRE ALARM DEVICES CAN BE INSTALLED OVER THE EXISTING FIRE ALARM DEVICE BACKBOX IF COVERAGE REQUIREMENTS MEET. SEE THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
13	THE EXISTING LAT CEILINGS ARE BEING REMOVED AND NEW LAT CEILINGS ARE BEING INSTALLED. INTERCOM SPEAKERS SHALL BE REMOVED, REINSTALLED AND RECONNECTED TO THE EXISTING CABLING AT THE LOCATIONS INDICATED. SEE THE ARCHITECTURAL CEILING PLANS FOR ADDITIONAL INFORMATION.
14	CONNECT TO AN EXISTING GENERAL PURPOSE RECEPTACLE CIRCUIT LOCATED IN THE NEAREST CORRIDOR.
15	ALL CONDUIT ROUTED ACROSS THIS OPEN TO STRUCTURE CORRIDOR SHALL BE ABOVE THE ACOUSTICAL Baffles AND SHALL BE PAINTED BLACK TO MATCH THE STRUCTURAL MEMBERS.
16	A NEW TELECOM OUTLET SHALL BE INSTALLED AT THIS LOCATION AS INDICATED, IF THE EXISTING BACKBOX CAN BE REUSED AND THE EXISTING CONDUIT CAN BE INTERCEPTED ABOVE THE CEILING THEN THIS SHALL BE REUSED FOR THE NEW TELECOM CABLING. TYPICAL FOR TELECOM OUTLETS INDICATED IN THE SAME LOCATION AS AN EXISTING BACKBOX.
17	INSTALL A NEW DUPLEX RECEPTACLE IN THE EXISTING BACKBOX LOCATION AND CONNECT THE NEW CIRCUITING AS INDICATED.
18	MOUNT DEVICES IN THE MILLWORK. COORDINATE INSTALLATION WITH THE MILLWORK SUPPLIER/INSTALLER. CONTRACTOR SHALL CUT THE FLOOR AS REQUIRED AND ROUTE CONDUIT CONCEALED UP THE CLOSEST WALL FOR THESE DEVICES.
19	CONNECT TO THE EXISTING CLOCK CIRCUIT IN THE AREA.
20	COORDINATE LOCATION OF RECEPTACLE FOR SLUMP PUMP WITH THE MECHANICAL CONTRACTOR.
21	CARD READER LOCATION. SEE THE DOOR ACCESS CONTROL, ROUGH-IN DETAIL AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
22	RECEPTACLE MOUNTED IN THE CEILING FOR AN OWNER PROVIDED PROJECTOR. COORDINATE EXACT LOCATION WITH THE OWNER.
23	REFER TO THE WALL PHONE OUTLET CLEARANCES DETAIL FOR ADDITIONAL INFORMATION. TYPICAL FOR ALL WALL PHONE OUTLETS.
24	INTERCOM SYSTEM CALL-IN SWITCH. SEE INTERCOM SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
25	NEW TELECOM OUTLET SHALL BE SURFACE MOUNTED TO THE BLOCK WALL AT THE LOCATION INDICATED.
26	INSTALL THE NEW WALL MOUNTED INTERCOM SPEAKER ABOVE THE BLOCK WALL AT THE LOCATION INDICATED. SEE INTERCOM SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
27	120V STANDBY CONNECTION FOR CARD ACCESS SYSTEM. COORDINATE LOCATION AND CONNECTION WITH THE DOOR HARDWARE SUPPLIER.
28	CONNECT TO THE OTHER STANDBY CIRCUIT FOR CARD ACCESS IN THIS AREA. CIRCUIT SB2-17.
29	CONNECT TO THE FIRE ALARM SYSTEM SQUALL ALARM. THE DOORS FORCED INTO THE UNLOCKED POSITION.
30	30' LONG SECTION OF SURFACE MOUNTED RACEWAY MOUNTED AT 12" AFF. WIREMOLD 4000 SERIES (GRAY) OR ENGINEER APPROVED EQUAL. PROVIDE BASE AND COVER AND A DIVIDER TO SEPARATE POWER AND DATA SECTIONS. AT EACH DOUBLE DUPLEX RECEPTACLE LOCATION, PROVIDE 2 - 20 AMP, TAMPER RESISTANT DUPLEX RECEPTACLES IN THE POWER SECTION WITH A RECEPTACLE IN EACH OF THE G4047B AND G4047B COVER AT EACH LOCATION. THE G4047B PLATE WILL BE USED FOR DATA TERMINATIONS. PROVIDE ALL NECESSARY FITTINGS FOR A COMPLETE INSTALLATION. THE DESIGNATION NEXT TO EACH RECEPTACLE REFERS TO THE CIRCUIT NUMBER FOR THAT RECEPTACLE. ROUTE A 1/4" CONDUIT FROM THE DATA SECTION OF THE RACEWAY TO ABOVE THE ACCESSIBLE CEILING. BUSH CONDUIT END.



Key Plan

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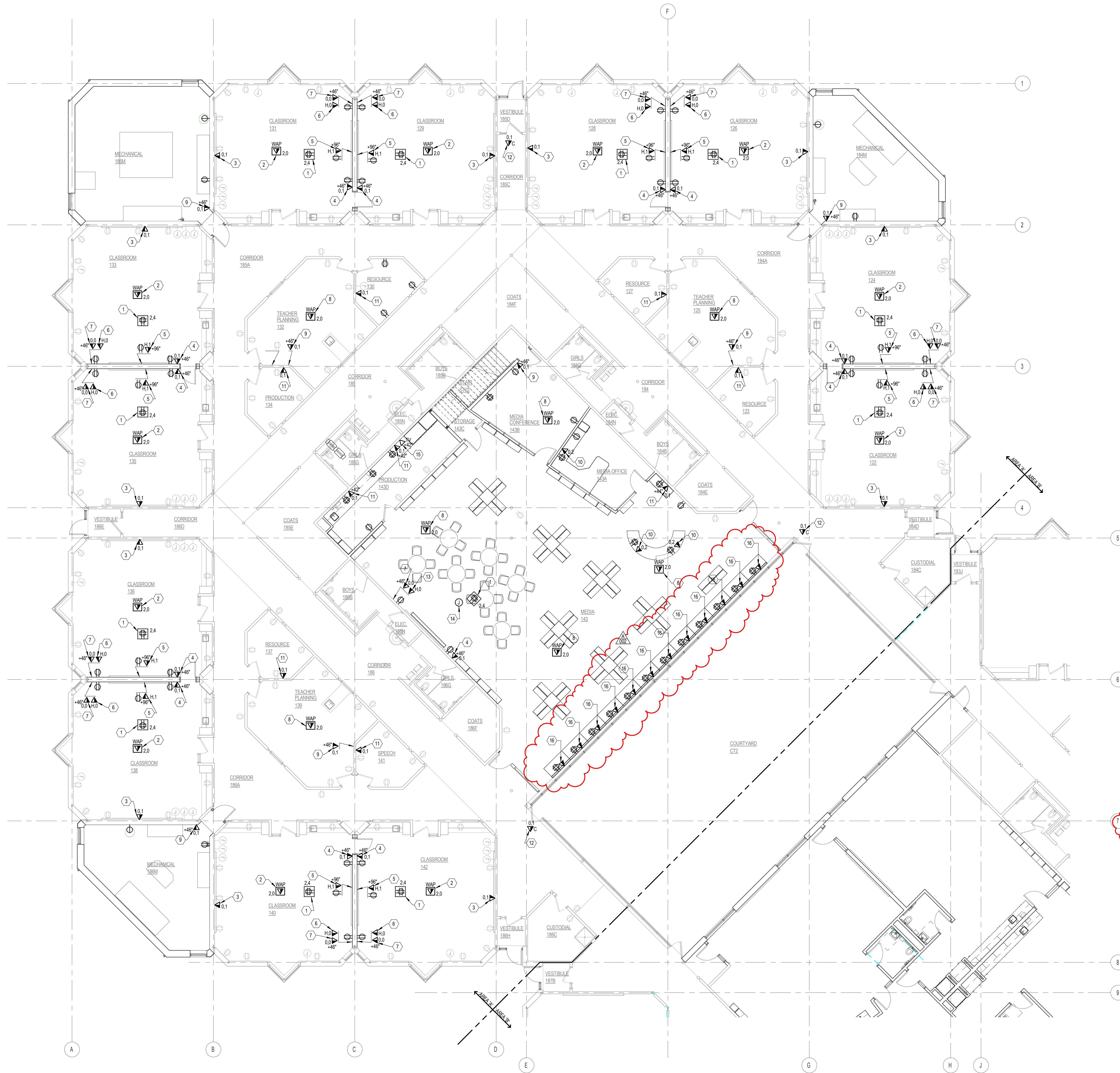
TCEP No.: 097-039-15

February 5, 2016

SEE THE ELECTRICAL ORIENTATION AND ENLARGED ELECTRICAL ROOM PLANS FOR ELECTRICAL EQUIPMENT INFORMATION.

ITEMS INDICATED IN LIGHTER LINE WEIGHT ARE EXISTING. ITEMS IN DARKER LINE WEIGHT ARE NEW AND PROVIDED IN THIS CONTRACT.

FIRST FLOOR POWER & AUXILIARY SYSTEMS PLAN - AREA 'A'
 SCALE: 1/8" = 1'-0"



FIRST FLOOR TELECOMMUNICATIONS PLAN - AREA 'A' NOTES	
KEY NOTE	DESCRIPTION
1	CEILING MOUNTED AV GEAR BOX. INSTALLED BY THE ELECTRICAL CONTRACTOR. ROUTE 2 CATEGORY 6A CABLES AND 4 CATEGORY 6 CABLES FROM THE TELECOM ROOM TO A SIX PORT FACEPLATE INSTALLED IN THE AV GEAR BOX. SEE THE DETAILS AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2	WIRELESS ACCESS POINT LOCATION. ROUTE 2 CATEGORY 6A PATCH CORDS FROM THE AV GEAR BOX TO THE WIRELESS ACCESS POINT LOCATION. SEE THE DETAILS AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3	ROUTE 1 CATEGORY 6 PATCH CORD FROM THE AV GEAR BOX TO A 1 PORT FACEPLATE (R445 TO INFORMATION OUTLET PATCH CORD). SEE THE DETAILS AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
4	ROUTE 1 CATEGORY 6 PATCH CORD FROM THE AV GEAR BOX TO A 1 PORT WALL PHONE VOICE ONLY FACEPLATE (R445 TO INFORMATION OUTLET PATCH CORD). SEE THE DETAILS AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
5	ROUTE 1 CATEGORY 6 PATCH CORD FROM THE AV GEAR BOX TO THE GROMMETED FACEPLATE AT THE LOCATION INDICATED (R445 TO R445). SEE THE DETAILS AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
6	ROUTE 1 HDMI CABLE FROM THIS AV FACEPLATE TO THE GROMMETED FACEPLATE INDICATED BY PLAN NOTE NUMBER FIVE. SEE THE DETAILS AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
7	NO CABLING INSTALLED AT THIS LOCATION. FOR FUTURE USE.
8	ROUTE 2 CATEGORY 6A CABLES TO A WIRELESS ACCESS POINT LOCATION FROM THE TELECOM ROOM AND TERMINATE ON A 2 PORT SURFACE MOUNT BOX. SEE THE DETAILS AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
9	ROUTE 1 CATEGORY 6 CABLE TO A 1 PORT WALL-PHONE VOICE ONLY FACEPLATE FROM THE TELECOM ROOM. SEE THE DETAILS AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
10	ROUTE 2 CATEGORY 6 CABLES TO A 2 PORT FACEPLATE FROM THE TELECOM ROOM. SEE THE DETAILS AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
11	ROUTE 1 CATEGORY 6 CABLE TO A 1 PORT FACEPLATE FROM THE TELECOM ROOM AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
12	ROUTE 1 CATEGORY 6 CABLE FROM THE TELECOM ROOM AND TERMINATE ON A 1 PORT SURFACE MOUNT BOX LOCATED ABOVE THE ACCESSIBLE CEILING SPACE AT THE LOCATION INDICATED. THIS WILL BE USED FOR CONNECTION TO THE CARD ACCESS CONTROL CONNECTION.
13	ROUTE 1 HDMI CABLE FROM THIS AV FACEPLATE TO THE LOCATION INDICATED BY PLAN NOTE NUMBER FOURTEEN. SEE THE DETAILS AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
14	ROUTE 1 CATEGORY 6 PATCH CORD FROM THE AV GEAR BOX TO THIS LOCATION (R445 TO R445), FOR CONNECTION TO OWNER PROVIDED PROJECTOR. SEE THE DETAILS AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
15	ROUTE 1 RG-11 COAX CABLE FROM THE DEMARC LOCATION IN MECHANICAL 187M TO A 1 PORT FACEPLATE AND FOR TERMINATION TO THE ROOM. SEE THE DETAILS AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
16	ROUTE 2 CATEGORY 6 CABLES TO A 2 PORT FACEPLATE LOCATED IN THE WIREMOLD SECTION. SEE THE DETAILS AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

FIRST FLOOR TELECOMMUNICATIONS PLAN - AREA 'A'
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