

**Marty Stuart's Congress of Country Music – Ellis
Theater Renovations**

ADDENDUM NO. 1

TO: All Bidders on the Above Referenced Product
FROM: Dryden Architecture + Design
DATE: August 24, 2021
SUBJECT: **ADDENDUM NO. 1**

ACKNOWLEDGEMENT OF RECEIPT OF ADDENDUM IS REQUIRED ON BID FORM.

Clarifications and revisions to Contract Documents for the referenced project are as follows:

ALL PROSPECTIVE BIDDERS: If you would like to schedule a walk-through to view existing conditions, you can schedule by calling Caleb Page at 601-917-1661. Any walk-through will not negate the importance of the Pre-Bid meeting.

1. **REPLACE:** Specification 23 31 00, **HVAC DUCTS AND CASTINGS** with Specification 23 11 00.1 (attached)
2. **REPLACE:** Specification 01 10 50, **BID PACKAGE SUMMARY** with Specification 01 10 50.1 (attached)
3. **ADD:** Add the following Specification section: **01 21 00– ALLOWANCES** (attached)
4. **CLARIFICATION:** Bid documents can also be downloaded viewed and/or purchased through centralbidding.com
5. **ADD:** Add the following drawings: **S101, S201, S500, S501, S502** (attached)
6. **Drawing Revisions:** The following drawings have been updated and marked as Revision 1 (attached)
 - G001, D1, D3, D4, D5, S200, A001, A101B, A300, A400, A401, A402, A440, A500, A510, A601B, A601C, A743, A745, A746, A748, A750

Dryden

Dryden Architecture + Design
2520 White Ave
Nashville, TN 37240

Submitted By:

A handwritten signature in black ink, appearing to read "Nick Dryden", written over a horizontal line.

Nick Dryden, AIA

Dryden Architecture + Design

August 25, 2021

**ACKNOWLEDGEMENT OF RECEIPT OF THIS ADDENDUM IS
REQUIRED AND SHALL BE INDICATED ON BID FORM**

SECTION 233100.1 HVAC DUCTS AND CASINGS

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Duct Materials.
 - 2. Glass fiber ducts.
 - 3. Flexible ducts.
 - 4. Insulated flexible ducts.
 - 5. Single wall spiral round ducts.
 - 6. Single wall spiral flat oval ducts.
 - 7. Double wall spiral insulated round ducts.
 - 8. Double wall spiral insulated flat oval ducts.
 - 9. PVC coated steel ducts.
 - 10. Glass fiber reinforced plastic round ducts.
 - 11. Transverse duct connection system.
 - 12. Casings.
 - 13. Ductwork fabrication.
 - 14. Duct cleaning.
- B. Related Sections:
 - 1. Section 23 05 00 Common Work Results for HVAC and all other contract documents.

1.2 PERFORMANCE REQUIREMENTS

- A. Variation of duct configuration or sizes other than those of equivalent or lower loss coefficient is not permitted except by written permission. Size round ducts installed in place of rectangular ducts in accordance with ASHRAE table of equivalent rectangular and round ducts.

1.3 CLOSEOUT SUBMITTALS

- A. Project Record Documents: Record actual locations of ducts, access doors, dampers, temperature and smoke detectors, and offsets.

1.4 QUALITY ASSURANCE

- A. Perform Work in accordance with SMACNA - HVAC Duct Construction Standards - Metal and flexible.
- B. Construct ductwork to NFPA 90A, NFPA 90B and NFPA 96 standards.

1.5 ENVIRONMENTAL REQUIREMENTS

- A. Do not install duct sealant when temperatures are less than those recommended by sealant manufacturers.
- B. Maintain temperatures during and after installation of duct sealant.

1.6 FIELD MEASUREMENTS

- A. Verify field measurements prior to fabrication.

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PART 2 PRODUCTS

2.1 DUCT MATERIALS

- A. Galvanized Steel Ducts: ASTM A653/A653M galvanized steel sheet, lock-forming quality, having G90 (zinc coating in conformance with ASTM A90/A90M).
- B. Steel Ducts: ASTM A1008/A1008M, ASTM A1011/A1011M, and ASTM A568/A568M.
- C. Aluminum Ducts: ASTM B209; aluminum sheet, alloy 3003-H14. Aluminum Connectors and Bar Stock: Alloy 6061-T6 or of equivalent strength.
- D. Stainless Steel Ducts: ASTM A240/A240M or ASTM A666, Type 304.
- E. Fasteners: Rivets, bolts, or sheet metal screws.
- F. Hanger: ASTM A653/A653M; steel, galvanized; steel sheet strips – 18 Ga. minimum.

2.2 GLASS FIBER DUCTS

- A. Manufacturers:
 - 1. Knauf.
 - 2. Owens-Corning.
 - 3. CertainTeed.
 - 4. Substitutions: Permitted.
- B. Glass Fiber Ducts: UL 181; 1-1/2-inch-thick rigid glass fiber with aluminum foil, glass scrim and Kraft or plastic jacket vapor barrier; maximum 0.23 K factor at 75 degrees F.

2.3 FLEXIBLE DUCTS

- A. Manufacturers:
 - 1. U.S. Flex.
 - 2. JPL.
 - 3. Hart and Cooley.
 - 4. Substitutions: Permitted.
- B. Flexible Ducts - Uninsulated: Two ply vinyl film supported by helical wound spring steel wire.
 - 1. Pressure Rating: 10 inches wg positive and 1.0 inches wg negative.
 - 2. Maximum Velocity: 4000 fpm.
 - 3. Temperature Range: -10 degrees F to 160 degrees F.

2.4 INSULATED FLEXIBLE DUCTS

- A. Manufacturers:
 - 1. U.S. Flex.
 - 2. JPL.
 - 3. Hart and Cooley.
 - 4. Substitutions: Permitted.
- B. Insulated Flexible Duct: UL 181, Class 1, aluminum laminate and polyester film with latex adhesive supported by helical wound spring steel wire; fiberglass insulation; polyethylene vapor barrier film.
 - 1. Pressure Rating: 10 inches wg positive and 1.0 inches wg negative.
 - 2. Maximum Velocity: 4000 fpm.
 - 3. Temperature Range: -20 degrees F to 210 degrees F.
 - 4. Thermal Resistance: Refer to Table 6.8.2B, ASHRAE 90.1 – 2019.

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2.5 SINGLE WALL SPIRAL ROUND DUCTS

- A. Manufacturers:
1. McGill AirFlow Corporation.
 2. Semco Incorporated.
 3. Tangent Air Corp.
 4. Spiral Mfg. Co., Inc.
 5. Substitutions: Permitted.
- B. Product Description: UL 181, Class 1, round spiral lock seam duct constructed of galvanized steel.
- C. Construct duct with the following minimum gages:

Diameter	Gauge
3 inches to 14 inches	26
15 inches to 26 inches	24
28 inches to 36 inches	22
38 inches to 50 inches	20
52 inches to 84 inches	18

- D. Construct fittings with the following minimum gages:

Diameter	Gauge
3 inches to 14 inches	24
15 inches to 26 inches	22
28 inches to 36 inches	20
38 inches to 50 inches	20
52 inches to 60 inches	18
62 inches to 84 inches	16

2.6 DOUBLE WALL SPIRAL INSULATED ROUND DUCTS

- A. Manufacturers:
1. McGill AirFlow Corporation.
 2. Semco Incorporated.
 3. Tangent Air Corp.
 4. Spiral Mfg. Co., Inc.
 5. Substitutions: Permitted.
- B. Product Description: Machine made from round spiral lock seam duct with light reinforcing corrugations, galvanized steel outer wall, 1-inch thick glass fiber insulation, perforated galvanized steel inner wall; fittings manufactured with perforated inner wall.
- C. Construct round duct with the following minimum gages:

Diameter	Gauge
3 inches to 14 inches	26
15 inches to 26 inches	24
28 inches to 36 inches	22
38 inches to 50 inches	20
52 inches to 84 inches	18

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- D. Construct round fittings with the following minimum gages:

Diameter	Gauge
3 inches to 14 inches	24
15 inches to 26 inches	22
28 inches to 36 inches	20
38 inches to 50 inches	20
52 inches to 60 inches	18
62 inches to 84 inches	16

2.7 GLASS FIBER REINFORCED PLASTIC ROUND DUCTS

- A. Manufacturers:
1. Perry Fiberglass Products.
 2. Spunstrand, Inc.
 3. Substitutions: Permitted.
- B. Product Description: Filament wound glass fiber reinforced plastic with fire retardant thixotropic resin with flame spread less than 25, smoke developed less than 50 when tested in accordance with ASTM E84.
- C. Construct duct and fittings with the following minimum wall thickness:

Diameter	Wall Thickness
6 inches to 20 inches	0.125 inches
21 inches to 36 inches	0.187 inches
37 inches to 60 inches	0.250 inches

- D. Joints: Galvanized sheet metal sleeve located inside duct, sealed and secured with screws.

2.8 BOLTED DUCT CONNECTION SYSTEM

- A. Manufacturers:
1. Ductmate.
 2. Substitutions: Permitted.
- B. Product Description: SMACNA "E" rated, SMACNA "F" rated, or SMACNA "J" rated rigidity class connection, interlocking angle and duct edge connection system with sealant, gasket, cleats, and corner clips.

2.9 CASINGS

- A. Fabricate casings in accordance with SMACNA HVAC Duct Construction Standards - Metal and Flexible and construct for operating pressures indicated.
- B. Reinforce access door frames with steel angles tied to horizontal and vertical plenum supporting angles. Furnish hinged access doors where indicated or required for access to equipment for cleaning and inspection. Furnish clear wire glass observation ports, minimum 6 x 6-inch size.
- C. Fabricate acoustic casings with reinforcing turned inward. Furnish 16 gage back facing and 22 gage perforated front facing with 3/32-inch diameter holes on 5/32-inch centers. Construct panels 3 inches thick packed with 4.5 lb./cu ft minimum glass fiber media, on inverted channels of 16 gage.

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2.10 DUCTWORK FABRICATION

- A. Fabricate and support rectangular ducts in accordance with SMACNA HVAC Duct Construction Standards - Metal and Flexible. Provide duct material, gages, reinforcing, and sealing for operating pressures indicated.
- B. Fabricate and support round ducts with longitudinal seams in accordance with SMACNA HVAC Duct Construction Standards - Metal and Flexible (Round Duct Construction Standards), and as indicated on Drawings. Provide duct material, gages, reinforcing, and sealing for operating pressures indicated.
- C. Construct T's, bends, and elbows with minimum radius 1-1/2 times centerline duct width. Where not possible and where rectangular elbows are used, provide airfoil turning vanes. Where acoustical lining is indicated, furnish turning vanes of perforated metal with glass fiber insulation.
- D. Increase duct sizes gradually, not exceeding 15 degrees divergence wherever possible; maximum 30 degrees divergence upstream of equipment and 45 degrees convergence downstream.
- E. Fabricate continuously welded round and oval duct fittings two gages heavier than duct gages indicated in SMACNA Standard. Minimum 4-inch cemented slip joint brazed or electric welded. Prime coat welded joints.
- F. Provide standard 45-degree lateral wye takeoffs. When space does not allow 45-degree lateral wye takeoff, use 90-degree conical tee connections.
- G. Seal joints between duct sections and duct seams with welds, gaskets, mastic adhesives, mastic plus embedded fabric systems, or tape.
 - 1. Sealants, Mastics and Tapes: Conform to UL 181A. Provide products bearing appropriate UL 181A markings.
 - 2. Do not provide sealing products not bearing UL approval markings.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify sizes of equipment connections before fabricating transitions.

3.2 INSTALLATION

- A. Install ducts in accordance with SMACNA HVAC Duct Construction Standards - Metal and Flexible. Seal joints in flexible duct and joints and seams in rigid duct with Mastic Plus tape.
- B. Install glass fiber ducts in accordance with SMACNA Fibrous Glass Duct Construction Standards. Obtain manufacturer's inspection and acceptance of fabrication and installation at beginning of installation.
- C. During construction, install temporary closures of metal or taped polyethylene on open ductwork to prevent construction dust from entering ductwork system.
- D. Use crimp joints with or without bead or beaded sleeve couplings for joining round duct sizes 8 inches and smaller.
- E. Install duct hangers and supports in accordance with Section 23.05.29.
- F. Use double nuts and lock washers on threaded rod supports.
- G. Connect flexible ducts to metal ducts with adhesive and draw bands.
- H. Set plenum doors 6 to 12 inches above floor. Arrange door swing so fan static pressure holds door in closed position.

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- I. Casings: Install floor mounted casings on 4-inch-high concrete curbs. Refer to Section 03 30 00. At floor, rivet panels on 8-inch centers to angles. Where floors are acoustically insulated, furnish liner of 18 gage galvanized expanded metal mesh supported at 12-inch centers, turned up 12 inches at sides with sheet metal shields.
- J. Install kitchen range hoods in accordance with NFPA 96.
- K. Install residue traps in kitchen hood exhaust ducts at base of vertical risers with provisions for clean out.
- L. Kitchen hood exhaust ducts: Use stainless steel for ductwork exposed to view and stainless steel or carbon steel where ducts are concealed.
- M. For outdoor ductwork, protect ductwork, ductwork supports, linings and coverings from weather.
- N. Exhaust Outlet Locations:
 - 1. Minimum Distance from Property Lines: 3 feet.
 - 2. Minimum Distance from Building Openings: 3 feet.
 - 3. Minimum Distance from Outside Air Intakes: 10 feet.

3.3 INTERFACE WITH OTHER PRODUCTS

- A. Install openings in ductwork where required to accommodate thermometers and controllers. Install pitot tube openings for testing of systems. Install pitot tube complete with metal can with spring device or screw to prevent air leakage. Where openings are provided in insulated ductwork, install insulation material inside metal ring.
- B. Connect diffusers or light troffer boots to low pressure ducts directly or with 5 feet maximum length of flexible duct held in place with strap or clamp.
- C. Connect air terminal units and air outlets and inlets to supply ducts directly or with five-foot maximum length of flexible duct. Do not use flexible duct to change direction.

3.4 CLEANING

- A. Clean duct system and force air at high velocity through duct to remove accumulated dust. To obtain sufficient air flow, clean one half of system completely before proceeding to other half. Protect equipment with potential to be harmed by excessive dirt with temporary filters, or bypass during cleaning.
- B. Clean duct systems with high power vacuum machines. Protect equipment with potential to be harmed by excessive dirt with filters, or bypass during cleaning. Install access openings into ductwork for cleaning purposes.

3.5 TESTING

- A. For ductwork designed for 3 inches w.c. above ambient, pressure test minimum 25 percent of ductwork after duct cleaning, but before duct insulation is applied or ductwork is concealed.
 - 1. Test in accordance with SMACNA HVAC Air Duct Leakage Test Manual.
 - 2. Maximum Allowable Leakage: In accordance with ICC IECC.

3.6 SCHEDULES

- A. Ductwork Material Schedule:

AIR SYSTEM	MATERIAL
Supply (Heating Systems)	G90 Galvanized Steel, Fibrous Glass
Supply (System with Cooling Coils)	G90 Galvanized Steel, Fibrous Glass
Return and Relief	G90 Galvanized Steel

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General Exhaust	G90 Galvanized Steel
Outside Air Intake	G90 Galvanized Steel
Intake and Exhaust	G90 Galvanized Steel

B. Ductwork Pressure Class Schedule:

AIR SYSTEM	PRESSURE CLASS
Constant Volume Supply	2-inch w.g., 1800 FPM velocity max.
Supply (Heating Systems)	2-inch w.g., 1800 FPM velocity max.
Supply (System with Cooling Coils)	2-inch w.g., 1800 FPM velocity max.
Return and Relief	1-inch w.g. regardless of velocity.
General Exhaust	1-inch w.g. regardless of velocity.

END OF SECTION 23 31 00

SECTION 01 10 50.1 – BID PACKAGE SUMMARY

PART 1- GENERAL

1.01 SUMMARY

A. WORK EXECUTED IN THE CONTRACT

1. The Scope of Work included herein will be required of the selected Bidder. The Scope of Work identified herein will become part of the Agreement between the Contractor and the Owner. The Scope of Work listed below shall include all labor, materials, equipment, supervision, insurance, payment and performance bonds, applicable taxes and all other work in accordance with the contract documents.
2. Unless otherwise specified, the Contractors will be responsible their own Construction Facilities and Temporary Controls including, but not limited to, offices, storage trailers, etc.
3. The General Trades contractor will be required to provide dumpsters and temporary toilets for all Prime Contractors except for the Demolition Package. It will still be the Prime contractors' responsibility to put their debris and trash in the dumpsters, as well as keeping the porta johns in decent working order. It will be all Prime Contractors responsibility to keep the floors orderly, swept, and free from tripping hazards.
4. The Demolition Contractor will be required to provide its own dumpsters, trash bins temporary toilets and other temporary controls.
5. The Electrical Contractor will provide temporary power and lighting for construction activities as needed by all Prime Contractors, including Demolition operation. Metering Fee and reasonable usage will be paid for by the Owner.
6. The Mechanical and Plumbing Contractor will provide temporary water onsite for construction activities as needed by all Prime Contractors. Metering and reasonable usage will be paid for by the Owner.
7. The General Trades contractor will be required to provide any temporary measures for temporary dry in or conditioning for finishes, should it be necessary.
8. All Contractors will be required to provide one designated representative for continuous cleanup. Should the Contractor exceed ten (10) persons, then the Contractor shall provide an additional designated representative for continuous cleanup at the discretion of the Owner, Architect, or Construction Manager. Should the Contractor not provide manpower for cleanup and the job site become unclean or unsafe, all work will be stopped, and all manpower used to address the issues before work can resume. No time extension shall be provided for the time the job is stop for cleanup or resolving unsafe conditions.
9. Contractor shall cooperate fully with Owner forces or separate contractors so work on those contracts may be carried out smoothly, without interfering with or delaying work associated with the project.
10. All Contractor Supervision shall be approved by the Owner, Architect, and the Construction Manager before work commence.
11. The Contractor will be responsible for repairs or damage to Owner provided work.
12. For the purpose of the bid package summary. Work may be described in the areas outlined below.
 - a. Audio Building- Northern most building in project
 - b. PNC Building- Building located in between audio building and Ellis Theater
 - c. Ellis Theater
 - i. Lobby
 - ii. Theater
 - iii. Balcony
 - iv. Stage
 - v. Back of Stage
 - d. Exterior

SECTION 01 10 50.1 – BID PACKAGE SUMMARY

B. PROJECT PHASING

1. Contractors agree that the Master Project Schedule as developed and approved by the Construction Manager, Architect, and Owner will be the Master Schedule for the Project.

C. OWNER PROVIDED

1. Project Identification or Signage.
2. The Owner reserves the right to award contracts to multiple contractors for the project. The Contractor and its subcontractors shall coordinate and cooperate fully as required by the Owner.
3. Any additional chain-link fencing, gates, or barricades necessary for security or control of construction traffic.

D. DEMOLITION PACKAGE

1. The Demolition Contractor will be required to provide dumpsters and temporary toilets/facilities during the duration of their work.
2. During demolition, the Contractor will be required to keep floors orderly swept and free of tripping hazards.
3. The Contractor shall comply with all federal, state, and local guidelines associated with renovating existing buildings.
4. The Contractor will be responsible for providing temporary measures to control construction dirt, debris, dust, and trash from leaving the construction limits and entering areas not within construction site.
5. A dust control and logistics plan shall be present to and approved by the Construction Manager, Owner, and Architect prior to execution of any work.
6. No materials, fixtures, tie ins, or provisions will be made or provided by the Owner unless otherwise noted in the contract documents.
7. Demolition Bid Package shall include necessary and shown demolition of, including but not limited to, foundations, steel, stairways, railings, walls, ceilings, doors, frames, woods framing, plastics, and composites, existing exterior materials identified, and interior finishes outlined.
8. Any walls, ceilings, or structures remaining after demolition shall be shored, braced, and made safe before the next contractor are allowed to access.
9. Demolition Contractor should provide a clean work environment after completion of work on each area to allow work from other Prime Contractors to begin.
10. The Contractor shall review documents for alternates that pertain to the scope of work in this bid package and include as required.
11. All electrical demolition of panels and gear shall be deenergized, disconnected and removed by the Electrical Package.
12. All mechanical equipment to be salvaged shall be removed by the Demolition package. All plumbing shall be turned off and disconnected by the Demolition.
13. All removal of miscellaneous mechanical, plumbing, and electrical items, such as, branch circuits, boxes, ductwork, diffusers, toilets, pipe, sinks, etc. shall be removed by the Demolition Package.
14. Demolition of sidewalks, coring of walls or slabs, and trenching at exterior locations necessary for the installation of new water, sewer, electrical, fire main, and storm drainage shall be the responsibility of the Prime Contractors installing the new utility.
15. Ditches shall be backfilled with compacted select fill, 18" of crush stone to match adjacent grades. General Trades to remove excess and install final concrete and asphalt as shown in the documents after all utilities are installed.

SECTION 01 10 50.1 – BID PACKAGE SUMMARY

16. Demolition scope shall include, but is not limited to the following:

1. Audio Building

- i. All interior walls from floor to roof to be removed including studs.
- ii. All carpet/flooring to be removed to concrete.
- iii. All electrical wiring, conduit, switching etc. to be removed
- iv. All plumbing to be cut and capped
- v. Remove ceiling tiles, grid and all wiring, ducts etc. in or above ceiling to roof

2. PNC Building

- i. All interior walls from floor to roof to be removed. Including studs on 1st and 2nd floor
- ii. All carpet/flooring to be removed to concrete
- iii. All electrical wiring, conduit, switching etc to be removed EXCEPT newly installed panels, gear and conduit on 2nd floor. (coordinate with Construction Manager)
- iv. All plumbing to be cut and capped, abandon existing under slab.
- v. Remove all existing Mechanical equipment and duct work
- vi. Remove 2nd level floor completely to include stairs
- vii. Remove existing chimney shafts in entirety to roof.
- viii. Demo and remove floor slab concrete for elevator pit/shaft.
- ix. Demo and remove wall for both openings between Audio building and PNC

Ellis Theater

3. Lobby

- i. Remove all interior, non-structural walls to include studs. Structural walls remove only sheathing. (see drawings)
- ii. Remove all flooring to concrete
- iii. Remove old access stairs to balcony.
- iv. Remove any trash/debris
- v. Remove all electrical, plumbing and mechanical equipment and duct work
- vi. Remove ceiling joists as shown on drawing D1, provide bracing/shoring as needed

4. Theater

- i. Remove all wall sheathing
- ii. Remove all ceiling board and insulation
- iii. Remove all wood framing in ceiling as indicated on drawing D3.
- iv. Remove all existing electrical
- v. Remove all existing HVAC equipment and duct work
- vi. Remove flooring to concrete to include any wood striping
- vii. On northern wall, remove sheathing and studs to bottom of new floor level of PNC building, see drawings

5. Balcony

SECTION 01 10 50.1 – BID PACKAGE SUMMARY

- i. Remove all seating
 - ii. Remove all ceiling board and insulation
 - iii. Remove all electrical, plumbing, mechanical equipment and duct work
 - iv. Remove all nonstructural wall sheathing and insulation
 - v. Complete demolition and removal of projector room to include concrete.
 - vi. Remove flooring
- 6. Stage
 - i. Remove stage covering to concrete
 - ii. Remove orchestra pit to concrete
 - iii. Remove all wood from concrete to roof above and on either side of stage (refer to drawings)
 - iv. Remove all electrical to include lighting, plumbing, mechanical equipment and duct work
- 7. Back of Stage
 - i. Remove all mechanical equipment, duct work, electrical etc.
 - ii. All salvageable equipment (owners discretion) to be turned over to owner at an offsite location. Transportation to be responsibility of demolition contractor.
 - iii. Remove all items (conduit, equipment, wiring etc) attached to western wall from floor to roof
 - iv. Remove any flooring to concrete
- 8. Exterior
 - i. Demo existing sidewalk on north side of audio building around and to south property line of Ellis Theater. Reference drawings C1/C2.
 - ii. Demo and remove exterior sheathing, tile, grout, mortar etc. on front entry of Ellis. (area where tile was previously)

E. GENERAL TRADES BID PACKAGE

1. The General Trades Bid Package includes all work not identified as provided by the Owner or specified in other Bid Package Contractors work outlined herein.
2. The General Trades contractor will be required to provide dumpsters and temporary toilets for all Prime Contractors, except Demolition, included in this bid package summary. It will still be the Prime contractors' responsibility to put their debris and trash in the dumpsters, as well as keeping the porta johns in decent working order. It will be all Prime Contractors responsibility to keep the floors orderly, swept, and free from tripping hazards.
3. The Contractor shall comply with all federal, state, and local guidelines associated with renovating existing buildings.
4. The Contractor will provide a Storm Water Permit, and erosion control measures required to comply with all local, and state requirements. The Contractor will be responsible to provide required erosion control inspections, maintenance, and repair for the duration of the project.
5. The Contractor will be responsible for providing temporary measures to control construction dirt, debris, dust, and trash from leaving the construction limits.

SECTION 01 10 50.1 – BID PACKAGE SUMMARY

6. The General Trades Contractor shall provide all caulking or sealants including fire proofing, fire caulking, and sound caulking. All mechanical, fire protection, plumbing, and electrical contractors shall ensure any holes they cut through walls leave no more than a $\frac{3}{4}$ " gap for proper sealing.
7. No materials, fixtures, tie ins, or provisions will be made or provided by the Owner unless otherwise noted in the contract documents.
8. Final Cleaning shall be the responsibility of the General Trades Contractor. Cleaning shall include a thorough clean before a punch list and touch up afterwards to ensure the Owner receives a clean project at completion.
9. Site utility work associated with all other trades will be performed by the mechanical/plumbing/electrical/fire protection contractors. All excavation necessary for the demolition or reinstallation of new systems shall be backfilled and compacted per the architect's direction here in. The General Trades contractor shall be responsible for the final asphalt, concrete, or stone necessary to finish the exterior as shown in the documents after the systems are in place.
10. The Contractor shall review documents for alternates that pertain to the scope of work in this bid package and include as required.
11. Demolition of sidewalks, coring of walls or slabs, and trenching at exterior locations necessary for the installation of new water, sewer, electrical, fire main, and storm drainage shall be the responsibility of the Prime Contractors installing the new utility.
12. Ditches shall be backfilled with compacted select fill, 18" of crush stone to match adjacent grades. General Trades to remove excess and install final concrete and asphalt as shown in the documents after all utilities are installed.
13. General Trades includes, but is not limited to concrete, steel, masonry, woods, plastics, thermal and moisture, doors and windows, finishes, specialties, elevators, and furnishings specified.

F. DEMO / GENERAL TRADES COMBINATION BID PACKAGE

1. This is a combination of the Demolition and the General Trades Bid Packages. This bid form is intended to give bidders bidding both packages the opportunity to provide a third price possibly at a discounted amount due to share supervision, economy of scale, etc. We still encourage bidders to turn in individual package prices in addition to the combination.

G. MECHANICAL & PLUMBING PACKAGE

1. The Mechanical and Plumbing Bid Package includes all mechanical, plumbing, relative demolition, and associated work for additions and exterior connections as outlined on the plans and the specifications outlined herein to provide a complete system.
2. The Mechanical and Plumbing Contractor shall provide a complete HVAC system with controls as outlined here in.
3. No materials, fixtures, tie ins, or provisions will be made or provided by the Owner unless otherwise noted in the contract documents.
4. Site utility work associated with plumbing, sewer, gas, etc. will be performed by the mechanical/plumbing contractor. All excavation for demolition or new work shall be backfilled and compacted. Stone fill and thrust blocks in trenches shall be the responsibility of this contractor and be brought to finish elevation. The general trades contractor shall be responsible for the asphalt, concrete, or topsoil necessary to finish the exterior as shown in the documents. Road closures or removal of sidewalks shall be closely coordinated with the Construction Manager and the City.

SECTION 01 10 50.1 – BID PACKAGE SUMMARY

5. Contractor shall be responsible for connecting and running the fire main to 1' above finish floor, where the fire protection contractor will connect the flange for their system. This work shall include any PIV and tamper switch that shall be run to the riser location for tie in with the fire protection system. All lines shall be jointly flushed out and checked once water can be put on the system.
6. Contractor shall review documents for Alternates that pertain to the scope of work in this bid package.
7. The Contractor shall be responsible for making penetrations as required for their systems, and as required for complete fireproofing, fire sealants, or fire taping. All penetrations shall leave no larger than a $\frac{3}{4}$ " gap. Any fire dampers or mechanical components that provide fire or sound ratings, shall be a part of this package.

H. FIRE PROTECTION BID PACKAGE

1. The Fire Protection Bid Package includes all fire protection and relative demolition work as outlined in the plans, specifications, and other contract documents as to provide a complete system and to the satisfaction of the Owner. System shall include a Dry and Wet system as necessary to sprinkler the entire building. Scope of work shall consist of starting at one foot (1') above finished floor. Scope of work shall include flow tests, fire protection design, shop drawings, materials, equipment and installation to meet NFPA, local, state, and federal codes, regulations, and requirements as to provide a complete fire protection system. The Contractor shall furnish and install all electrical components for the fire protection system including switches or valves inside or outside the building. Electrical Bid Package Contractor will provide final termination of power to the Fire Protection System. The Fire Protection Bid Package includes all fire protection and associated work for renovations and site as outlined on the plans and the specifications outlined herein to provide a complete system. The Mechanical and Plumbing Package shall be responsible for tapping the water main and running a new fire main up and into the fire riser closest to 1' above finish floor.

I. ELECTRICAL BID PACKAGE

1. The Electrical Bid Package includes all electrical, relative demolition, and associated work for renovations as outlined on the plans and the specifications herein to provide a complete system.
2. The Contractor shall provide all electrical site utilities or connections to existing services already provided.
3. The Contractor shall provide the low voltage systems as outlined in the documents including, but not limited to, fire alarm, phone, data, and security. Where shown, Contractor will only provide conduits and pull strings for future.
4. The Contractor shall provide concrete pads for electrical equipment as required by documents and manufacturer requirements.
5. Site utility work associated with electrical will be performed by the electrical contractor. All excavation for demolition or new work shall be backfilled and compacted. Stone fill or concrete encasement in trenches shall be the responsibility of this contractor and be brought to finish elevation. The general trades contractor shall be responsible for the asphalt, concrete, or topsoil necessary to finish the exterior as shown in the documents.

SECTION 01 10 50.1 – BID PACKAGE SUMMARY

6. No materials, fixtures, tie ins, or provisions will be made or provided by the Owner unless specifically noted in the contract documents.
7. The Contractor shall be responsible for making penetrations as required for their systems, and as required for complete fireproofing, fire sealants, or fire taping. All penetrations shall leave no larger than a $\frac{3}{4}$ " gap.
8. The Contractor shall provide final terminations to the HVAC system and the fire protection system including switches that may be located inside and outside the building.
9. The Contractor shall review documents for alternate that pertain to the scope of work in this bid package and include as required.

END OF SECTION 01 10 50

SECTION 01 21 00 - ALLOWANCES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements governing allowances.
- B. Types of allowances include the following:
 - 1. Lump-sum allowances.
 - 2. Contingency allowances.

1.2 SELECTION AND PURCHASE

- A. At the earliest practical date after award of the Contract, advise Architect of the date when final selection and purchase of each product or system described by an allowance must be completed to avoid delaying the Work.
- B. At Architect's request, obtain proposals for each allowance for use in making final selections. Include recommendations that are relevant to performing the Work.
- C. Purchase products and systems selected by Architect from the designated supplier.

1.3 ACTION SUBMITTALS

- A. Submit proposals for purchase of products or systems included in allowances, in the form specified for Change Orders.

1.4 INFORMATIONAL SUBMITTALS

- A. Submit invoices or delivery slips to show actual quantities of materials delivered to the site for use in fulfillment of each allowance.
- B. Submit time sheets and other documentation to show labor time and cost for installation of allowance items that include installation as part of the allowance.

- C. Coordinate and process submittals for allowance items in same manner as for other portions of the Work.

1.5 COORDINATION

- A. Coordinate allowance items with other portions of the Work. Furnish templates as required to coordinate installation.

1.6 ALLOWANCES

- A. Allowance shall include cost to Contractor of specific products and materials ordered by Owner or selected by Architect under allowance and shall include taxes, freight, and delivery to Project site.
- B. Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor, installation, overhead and profit, and similar costs related to products and materials selected by Architect under allowance shall be included as part of the Contract Sum and not part of the allowance.
- C. Unused Materials: Return unused materials purchased under an allowance to manufacturer or supplier for credit to Owner, after installation has been completed and accepted.
 - 1. If requested by Architect, retain and prepare unused material for storage by Owner. Deliver unused material to Owner's storage space as directed.

1.7 CONTINGENCY ALLOWANCES

- A. Use the contingency allowance only as directed by Architect or Construction Manager for Owner's purposes and only by Change Orders that indicate amounts to be charged to the allowance.
- B. Contractor's overhead, profit, and related costs for products and equipment ordered by Owner under the contingency allowance are included in the allowance and are not part of the Contract Sum. These costs include delivery, installation, taxes, insurance, equipment rental, and similar costs.
- C. Change Orders authorizing use of funds from the contingency allowance will include Contractor's related costs and reasonable overhead and profit margins.
- D. At Project closeout, credit unused amounts remaining in the contingency allowance to Owner by Change Order.

1.8 TESTING AND INSPECTING ALLOWANCES

- A. Testing and inspecting allowances include the cost of engaging testing agencies, actual tests and inspections, and reporting results.

- B. The allowance does not include incidental labor required to assist the testing agency or costs for retesting if previous tests and inspections result in failure. The cost for incidental labor to assist the testing agency shall be included in the Contract Sum.
- C. Costs of services not required by the Contract Documents are not included in the allowance.
- D. At Project closeout, credit unused amounts remaining in the testing and inspecting allowance to Owner by Change Order.

1.9 ADJUSTMENT OF ALLOWANCES

- A. Allowance Adjustment: To adjust allowance amounts, prepare a Change Order proposal based on the difference between purchase amount and the allowance, multiplied by final measurement of work-in-place where applicable. If applicable, include reasonable allowances for cutting losses, tolerances, mixing wastes, normal product imperfections, and similar margins.
 - 1. Include installation costs in purchase amount only where indicated as part of the allowance.
 - 2. If requested, prepare explanation and documentation to substantiate distribution of overhead costs and other margins claimed.
 - 3. Submit substantiation of a change in scope of work, if any, claimed in Change Orders related to unit-cost allowances.
 - 4. Owner reserves the right to establish the quantity of work-in-place by independent quantity survey, measure, or count.
- B. Submit claims for increased costs because of a change in scope or nature of the allowance described in the Contract Documents, whether for the purchase order amount or Contractor's handling, labor, installation, overhead, and profit.
 - 1. Do not include Contractor's or subcontractor's indirect expense in the Change Order cost amount unless it is clearly shown that the nature or extent of work has changed from what could have been foreseen from information in the Contract Documents.
 - 2. No change to Contractor's indirect expense is permitted for selection of higher- or lower-priced materials or systems of the same scope and nature as originally indicated.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine products covered by an allowance promptly on delivery for damage or defects. Return damaged or defective products to manufacturer for replacement.

3.2 PREPARATION

- A. Coordinate materials and their installation for each allowance with related materials and installations to ensure that each allowance item is completely integrated and interfaced with related work.

3.3 SCHEDULE OF ALLOWANCES

- A. Allowance No. 1: Mill work/Hardware: GENERAL TRADES ONLY: Include in the Bid amount Seven Thousand Dollars (\$7,000.00) for the purchase and installation and painting of hardware/millwork on ticket booths, concession windows, coat check in Audio Building lobby
- B. Allowance No. 2: As needed Framing: GENERAL TRADES ONLY Include in the Bid amount Twenty-Five Thousand Dollars (\$25,000) for the purchase and installation of hardware/materials needed for as needed framing not specifically included in drawings or specifications but later required by engineer or architect
- C. Allowance No. 3: Contingency Allowance: Include in the Bid amount Twenty-Five Thousand Dollars (\$25,000) for the purpose of purchase and installation of items/material/hardware as determined by owner, design team or construction manager
 - MECHANICAL/PLUMBING, FIRE PROTECTION, ELECTRICAL: Include in the Bid amount Ten Thousand Dollars (\$10,000) for the purpose of purchase and installation of items/material/hardware as determined by owner, design team or construction manager

END OF SECTION 01 21 00



A New Construction Project:

Marty Stuart's Congress of Country Music Ellis Theater Renovation

311 Byrd Ave, Philadelphia, MS 39350



A New Construction Project:
**MSCCM -
Ellis Theater
Renovation**

Project Site Address:
311 Byrd Ave, Philadelphia, MS
39350

DAAD Project Number:
197852

No: 01 CD SET 08/11/21

Drawing:

COVER SHEET

G000

OWNER

Marty Stuart CoCM

311 Byrd Ave
Philadelphia , MS 39350
(XXX) XXX-XXXX

ARCHITECT

DAAD - Dryden Architecture And Design

2520 White Avenue
Nashville, Tennessee 37204
615.248.3223

CIVIL ENGINEER*

Yates Engineering

1 Gully Ave
Philadelphia , MS 39350
(601) 656-9050

STRUCTURAL ENGINEER

Yates Engineering

1 Gully Ave
Philadelphia , MS 39350
(601) 656-9050

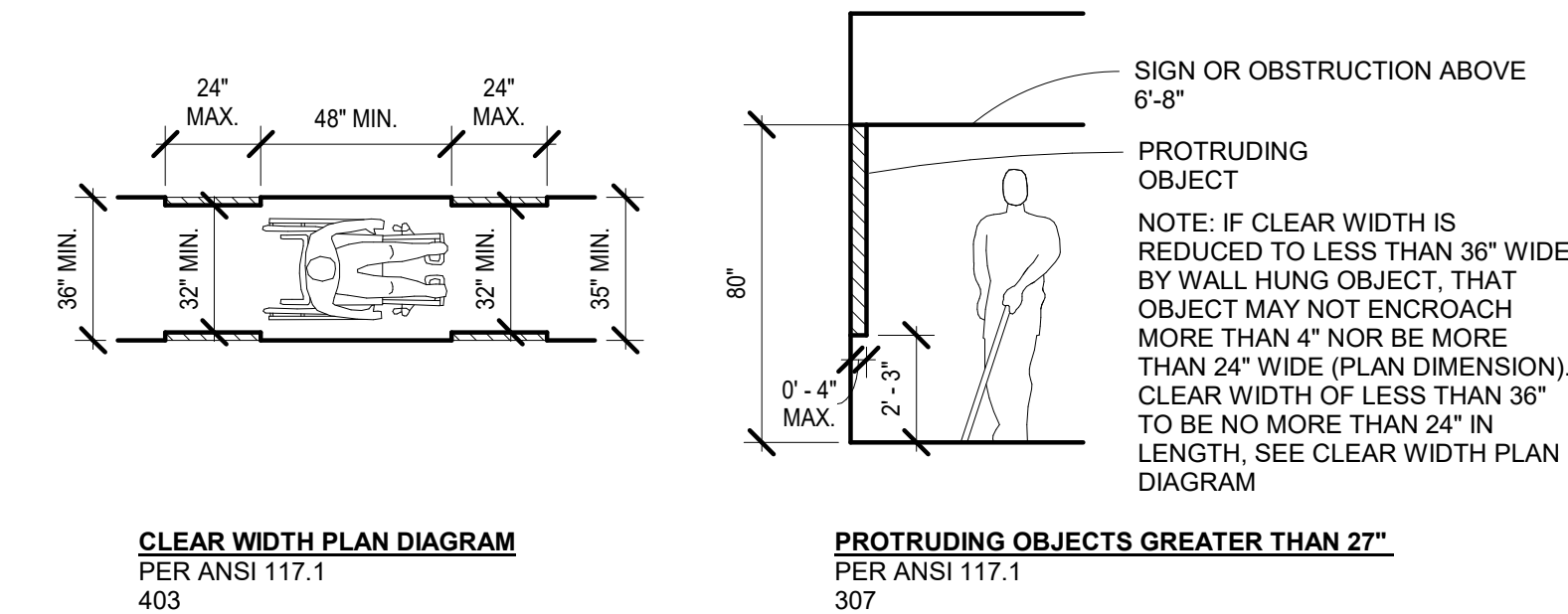
MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION ENGINEER

Yates Engineering

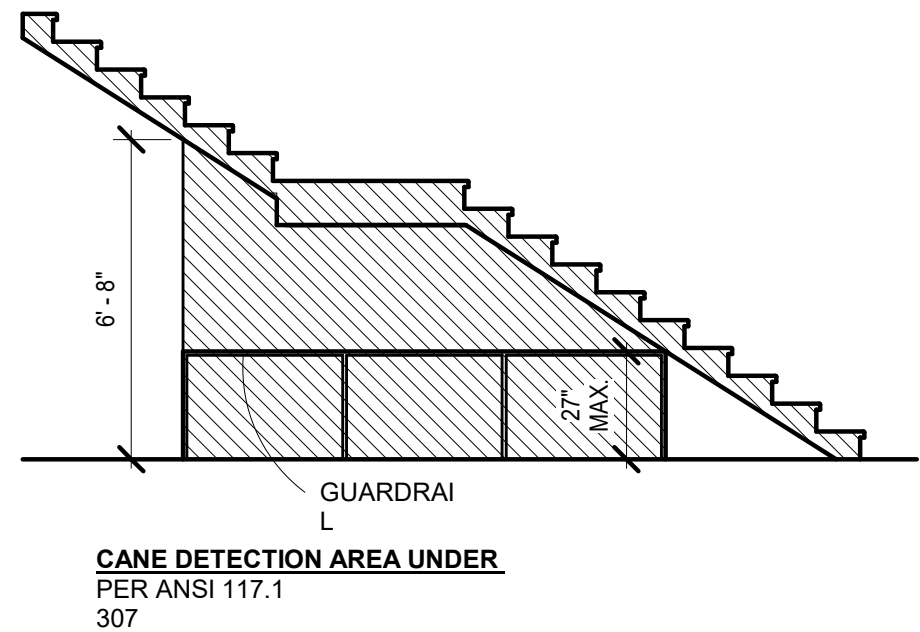
1 Gully Ave
Philadelphia , MS 39350
(601) 656-9050

GENERAL ACCESSIBILITY NOTES:

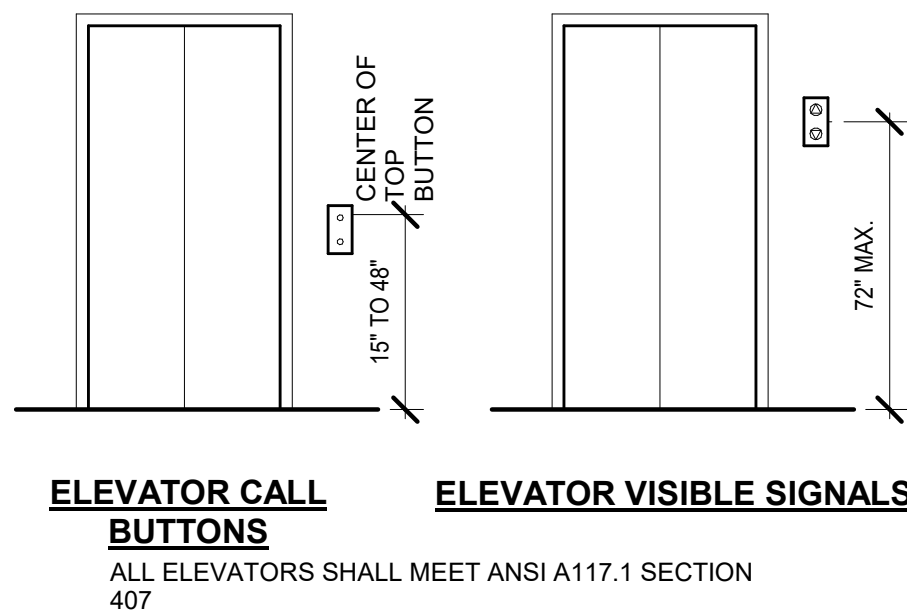
- ALL CONSTRUCTION SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS OF ANSI A117.1-2009 AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION.
- DIMENSIONS PROVIDED ON THIS SHEET ARE "FACE OF FINISH" UNLESS NOTED OTHERWISE.
- ALL CONTROL DEVICES FOR LIGHT, POWER, HEAT, ALARMS, ETC. AND ALL OPERABLE PARTS REQUIRED TO BE ACCESSIBLE SHALL BE MOUNTED WITHIN THE ACCESSIBLE REACH RANGES SPECIFIED IN ANSI 117.1 308 - REACH RANGES AND NO HIGHER THAN 48" ABOVE FINISHED FLOOR TO THE HIGHEST OPERATIONAL ELEMENT OF THE DEVICE. A CLEAR FLOOR AREA SHALL BE PROVIDED AT ALL OPERABLE PARTS REQUIRED TO BE ACCESSIBLE.
- EXTERIOR AND INTERIOR PASSAGE DOORS, WHERE OPERABLE HARDWARE IS PROVIDED, SHALL BE EQUIPPED WITH HANDLES, PULLS, LATCHES, LOCKS OR OTHER OPERATING HARDWARE DEVICES IN ACCORDANCE WITH ANSI 117.1 309 - OPERABLE PARTS.
- OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAX PER ANSI 117.1 309 - OPERABLE PARTS.
- DOORS THAT LEAD TO AREAS THAT MIGHT PROVE DANGEROUS TO BLIND, VISUALLY IMPAIRED PERSONS OR PERSONS WITH LOW VISION CAPABILITIES (FOR EXAMPLE, DOORS LEADING TO LOADING DOCKS OR PLATFORMS, BOILER ROOMS, STAGES, ELECTRICAL EQUIPMENT ROOMS, ETC.) SHALL BE MADE READILY IDENTIFIABLE TO THE TOUCH BY A TEXTURED SURFACE ON THE DOOR HANDLE, KNOB, PULL OR OTHER OPERATING HARDWARE.
- CONTRACTOR TO VERIFY THAT NO ELEMENT BETWEEN 27" AND 80" ABOVE FINISHED FLOOR (A.F.F.) PROJECTS MORE THAN 4" INTO AN ACCESSIBLE ROUTE UNLESS IDENTIFIED WITH A CANE DETECTION ELEMENT PER ANSI 117.1 307 - PROTRUDING OBJECTS.
- PROVIDE SLIP RESISTANT FLOOR SURFACES ALONG ALL ACCESSIBLE ROUTES.
- CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2. CHANGES IN LEVEL GREATER THAN 1/2" SHALL BE RAMPED PER ANSI.
- LAVATORIES SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO HIGHER THAN 34" ABOVE THE FINISH FLOOR. PROVIDE REQUIRED KNEE AND TOE CLEARANCE.
- MIRRORS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTIVE SURFACE NO HIGHER THAN 40" ABOVE THE FINISH FLOOR.
- THE HEIGHT OF WATER CLOSETS SHALL BE MEASURED FROM FINISHED FLOOR TO THE TOP OF THE TOILET SEAT. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION.



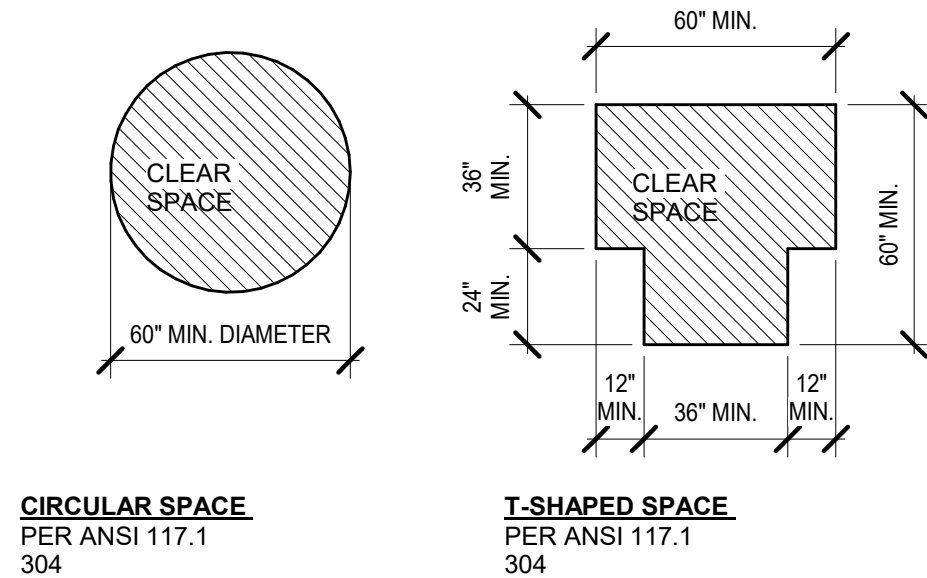
① Accessible Route Clearances
1/4" = 1'-0"



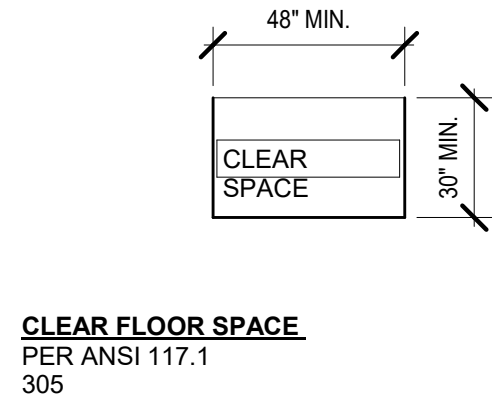
② Thresholds & Level Changes
1/4" = 1'-0"



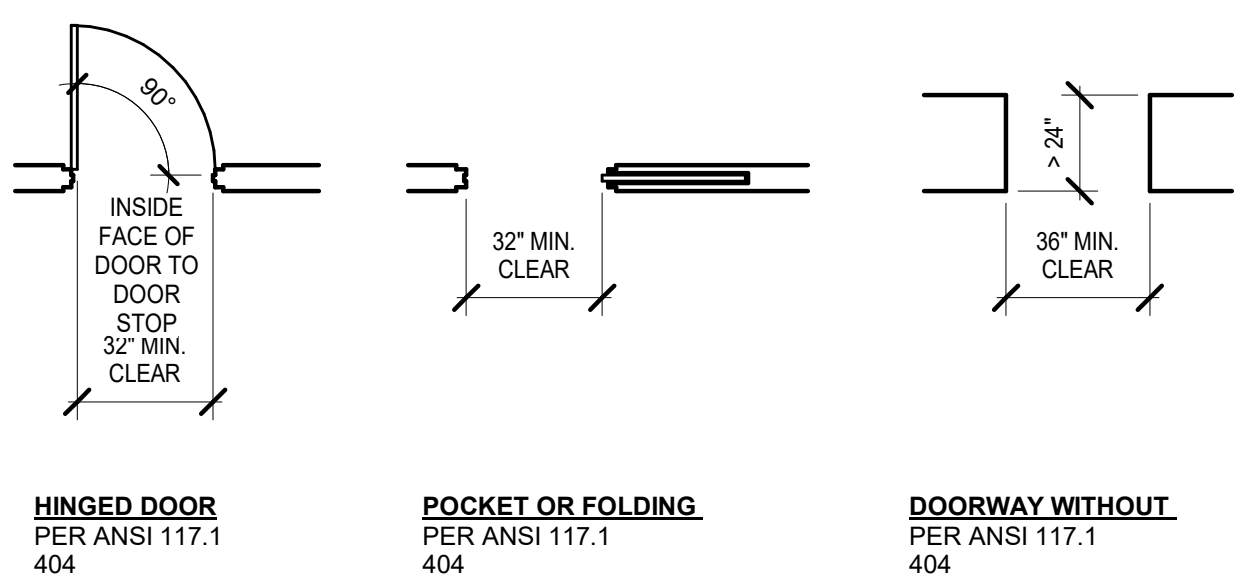
③ Elevator Requirements
1/4" = 1'-0"



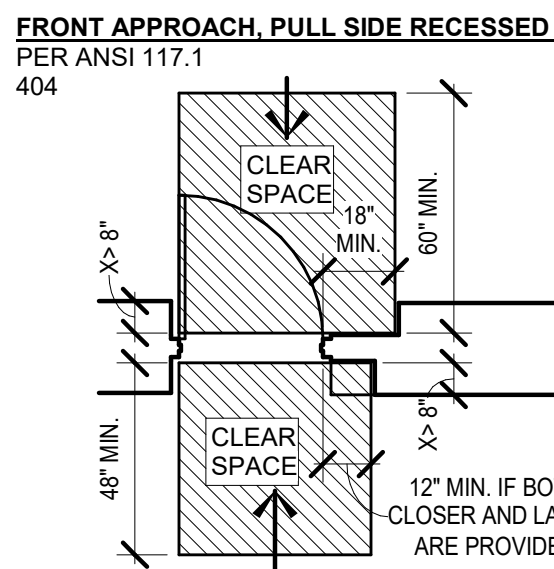
④ Turning Spaces
1/4" = 1'-0"



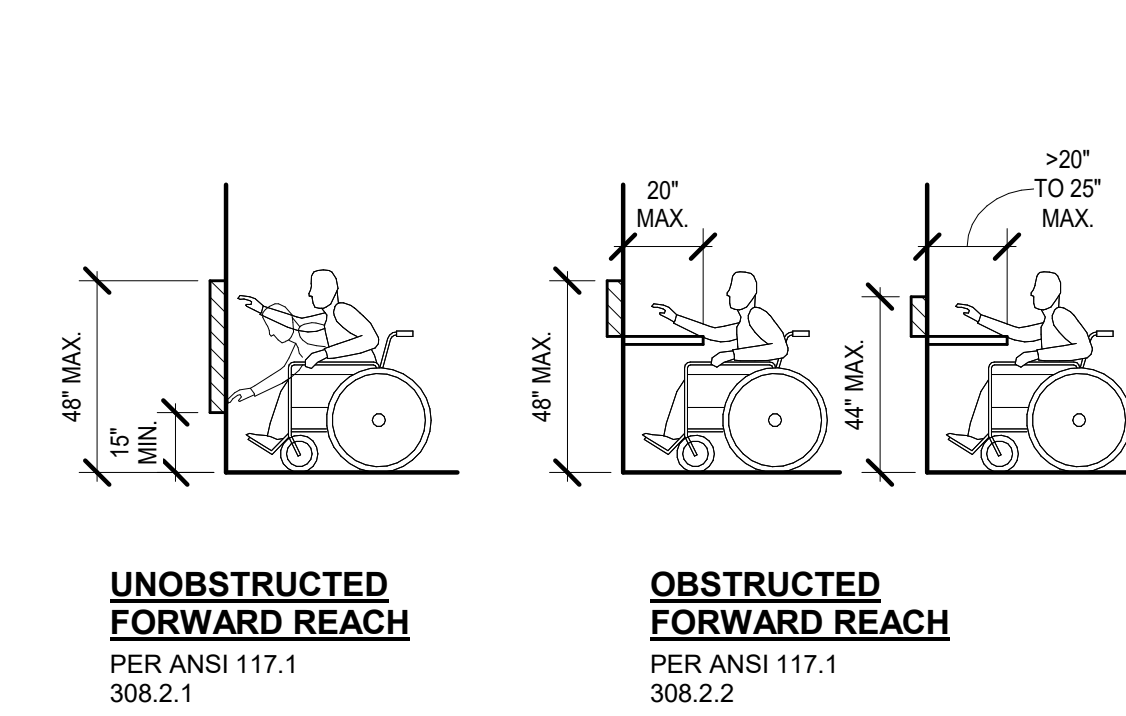
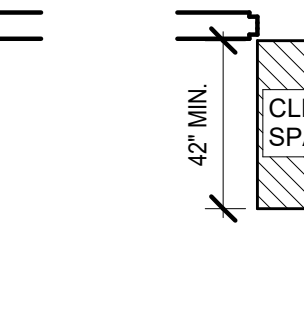
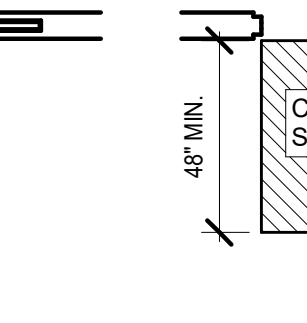
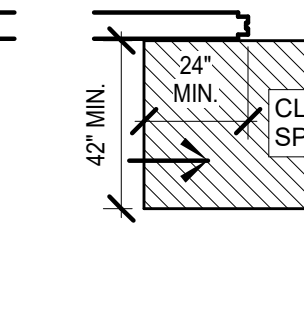
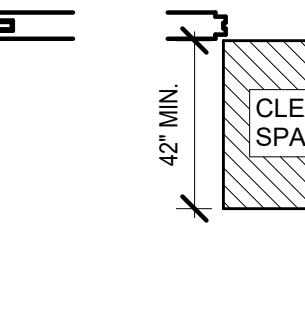
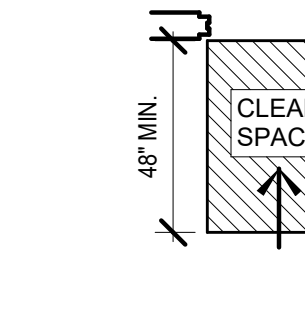
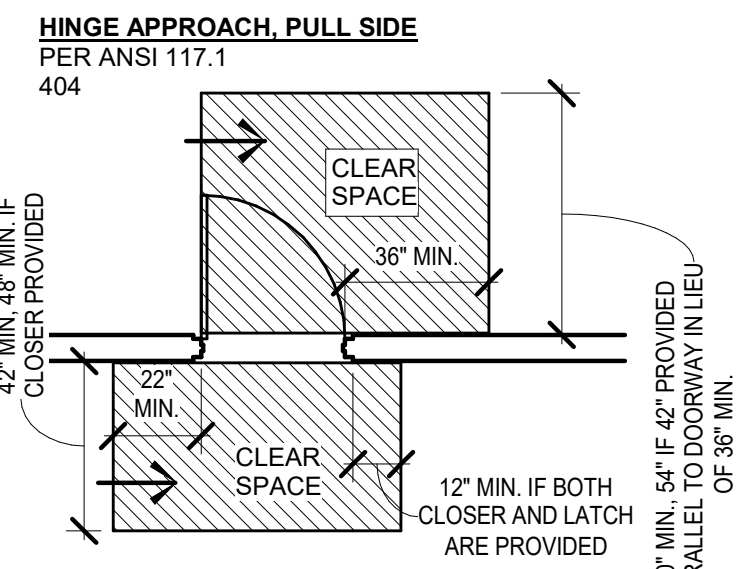
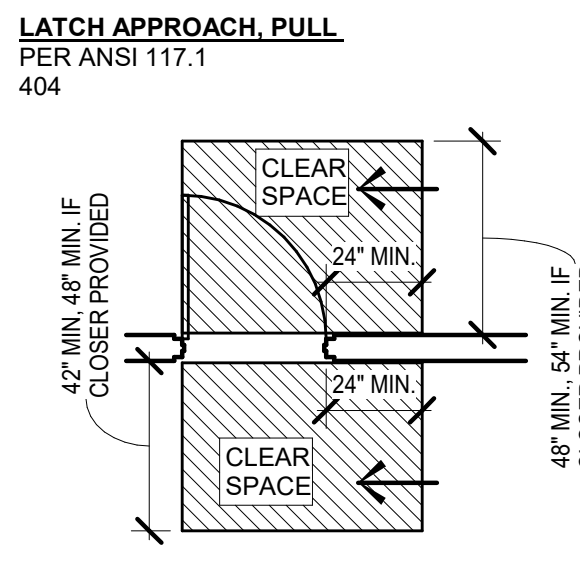
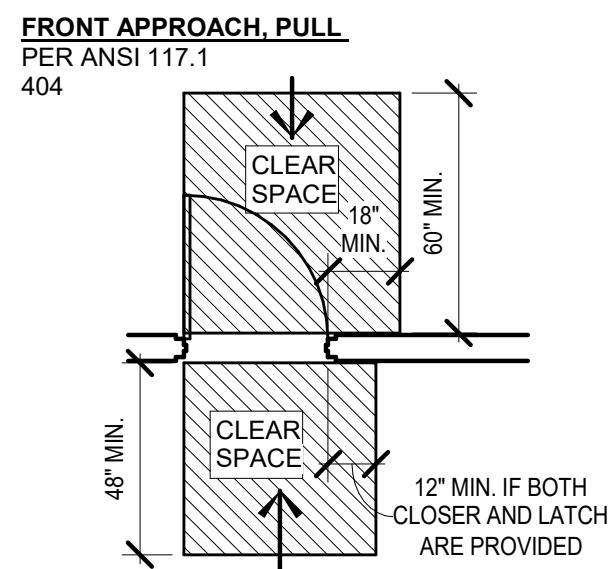
⑤ Clear Floor Space
1/4" = 1'-0"



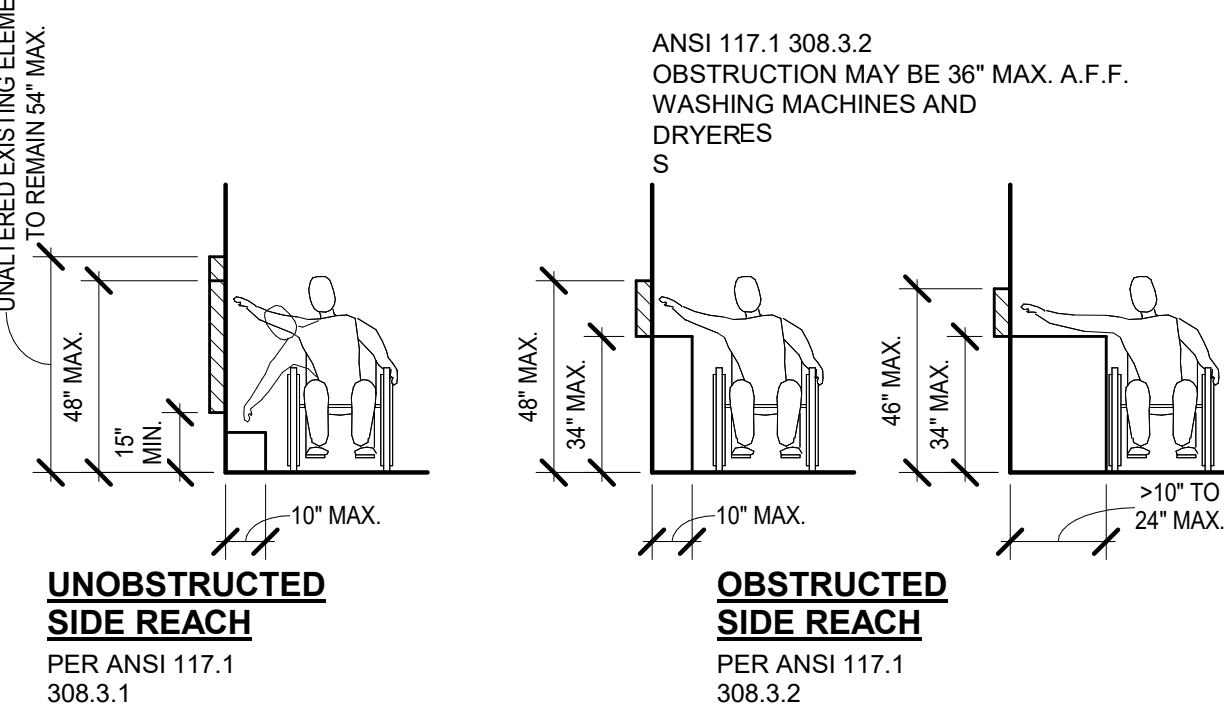
⑥ Doorway Clearances
1/4" = 1'-0"



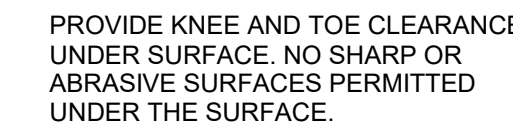
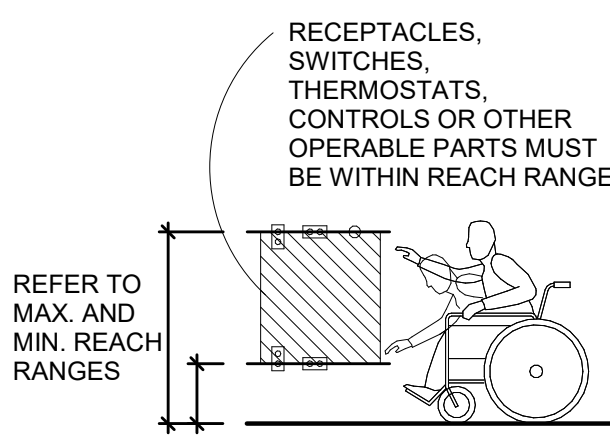
⑦ Maneuvering Clearances At Accessible Route Doors
1/4" = 1'-0"



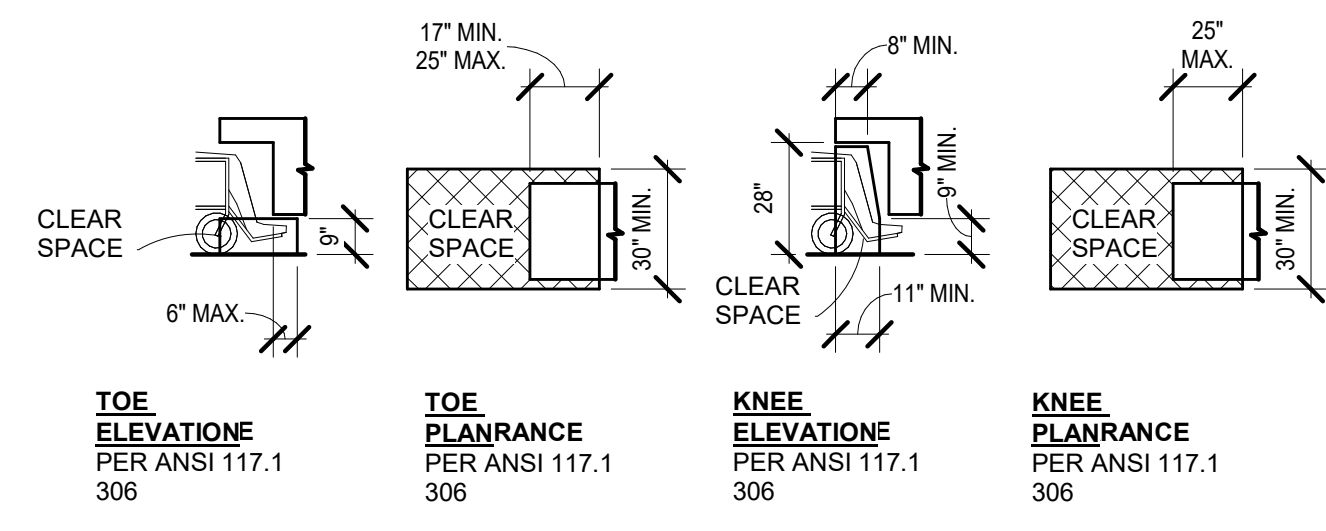
⑧ Reach Ranges
1/4" = 1'-0"



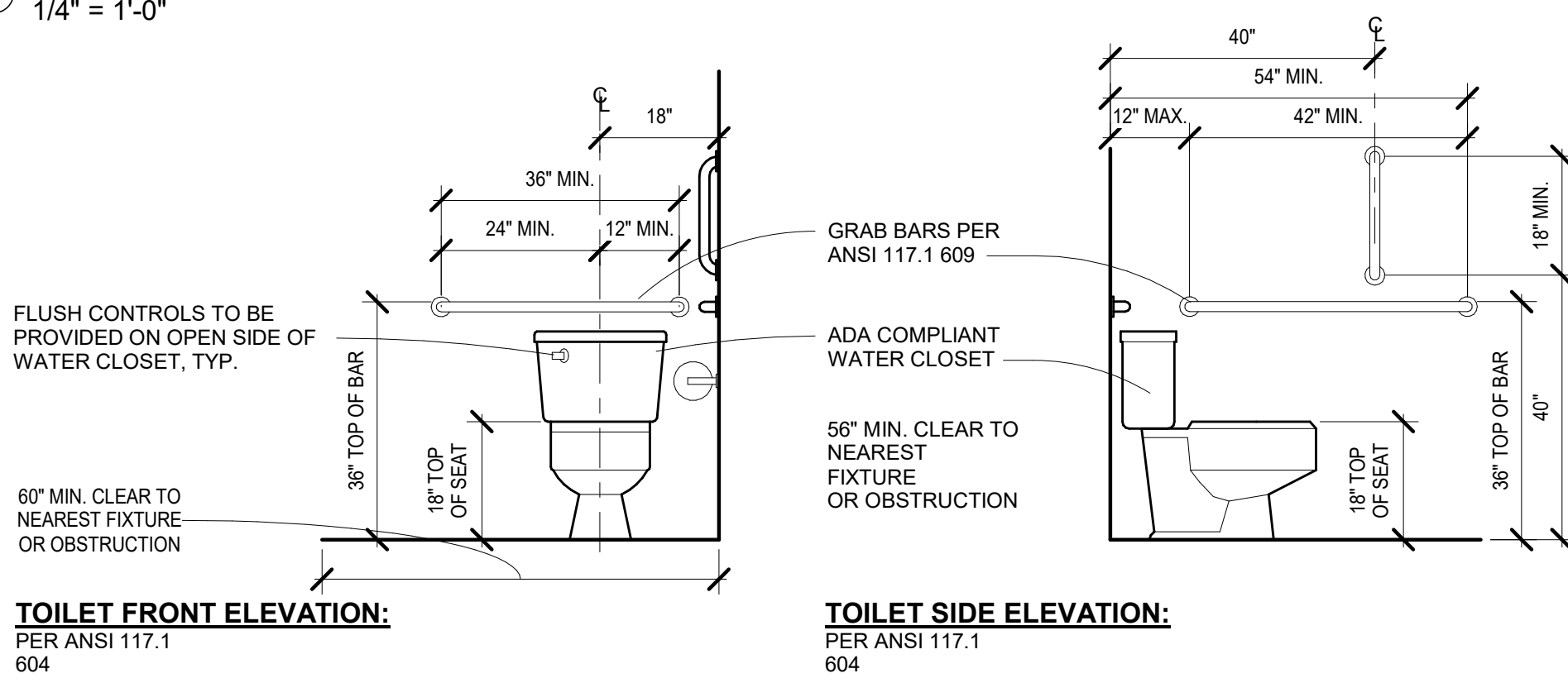
⑨ Operable Parts
1/4" = 1'-0"



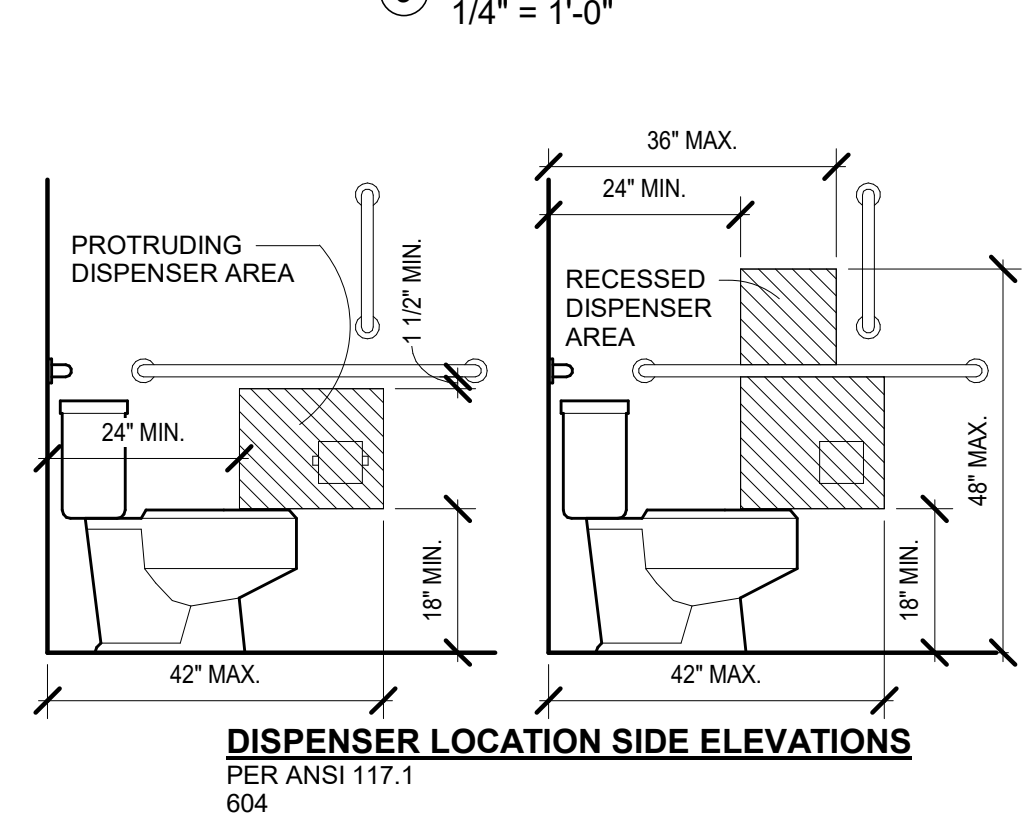
⑩ Dining & Work Surfaces
1/4" = 1'-0"



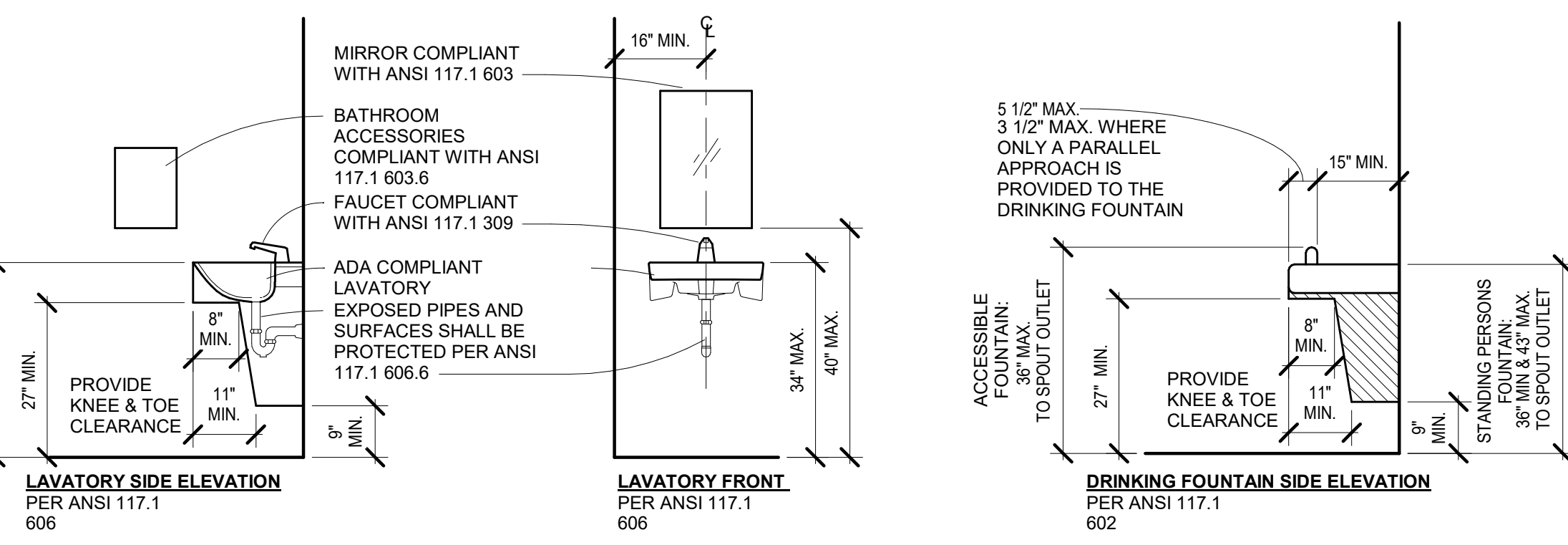
⑪ Knee & Toe Clearances
1/4" = 1'-0"



⑫ Toilet and Grab Bar Elevations
1/2" = 1'-0"



⑬ Lavatory Elevations
1/2" = 1'-0"



⑭ Drinking Fountains
1/2" = 1'-0"

A New Construction Project:

MSCCM -
Ellis Theater
Renovation

Project Site Address:
311 Byrd Ave,
Philadelphia, MS
39350

DAAD Project Number:
197852

No: 01 CD SET

08/11/21

Drawing:

GENERAL ACCESSIBILITY

G002

KEYNOTE LEGEND

01	REMOVE ALL ITEMS THAT WILL BE REUSED OR RELOCATED, ITEMS TO BE STORED AT THE OWNER SPECIFIED LOCATION.
02	DEMOLITION OF NORTH WALL OF PNCAC AND ADJACENT AUDIO BUILDING 8" CMU WALL, COORDINATE WITH THIRD PARTY STRUCTURAL ENGINEER. PLAN TO BE REVIEWED BY STRUCTURAL ENGINEER OF RECORD.
03	REMOVE REMAINING WALLS, SHEATHING AND PLUMBING. ALL WATER SUPPLIES TO BE CAPPED.
04	REMOVE ALL INTERIOR WALL SHEATHING LOBBY AREA.
05	REMOVE ALL TILE FLOOR IN INTERIOR LOBBY AREA.
06	REMOVE FRAMING AS INDICATED ON DRAWING, DEMO UP TO 9'-0" OF PNCAC FINISHED FLOOR.
07	REMOVE EXISTING WOOD DECKING OF STAGE AREA, REMOVE NAILER STRIPS.
08	COORDINATE WITH ELEVATOR INSTALLATION PACKAGE FOR SAW CUT AND REMOVAL OF CONCRETE 0'-4" FROM PNCAC FF. POUR 0'-1" OF SELF LEVELING, NON-SHRINK GROUT.
09	REMOVE ALL WOOD STRIPPING FROM ELLIS THEATER AREA.
10	REMOVE 2ND FLOOR AND STRUCTURE OF PNCAC AREA.
11	REMOVE ALL CEILINGS AND STRUCTURES AT STAGE AREA.
12	REMOVE ALL SHEATHING AND WOOD FRAMING BETWEEN COLUMN 4.1 TO 5.0 OVER SPAN OF THEATER.
13	REMOVE ALL CEILING, SHEATHING BOARD AND INSULATION. EXISTING MOLD ON SURFACES TO BE INSPECTED AND MITIGATED PER EPA GUIDELINES AND ALL AUTHORITIES HAVING JURISDICTION.
14	COMPLETE REMOVAL OF EXISTING PROJECTOR ROOM AND FLOOR.
15	REMOVE ALL INTERIOR WALLS, SHEATHING, CEILINGS AND FLOORING IN EXISTING AUDIO BUILDING.
16	REMOVE WALL SHEATHING (BOTH SIDES) AND 2X8 WOOD STRUCTURE UP TO THE PNCAC 2ND FLOOR.
17	REMOVE SHEATHING ON BOTH CURVES FACIA WALLS ON SIDES OF STAGE AREA.
18	SAW CUT AND REMOVE ALL MARKED AREA OF THEATER CONCRETE FLOOR.

DEMOLITION PLAN GENERAL REQUIREMENTS

- The Contractor shall obtain a permit with the City of Philadelphia and any other required approvals prior to execution of the contract.
- Information contained here is a result of limited field verification. Contractors shall field verify all existing conditions including locations of structural, mechanical, electrical, piping and conduit prior to proceeding with the demolition work.
- If any discrepancies, inconsistencies, or omissions are found. The Construction Manager and Design Team are to be contacted per the contract and prior to proceeding with any work.
- If any hazardous materials are encountered during demolition, comply with applicable regulations, laws, and ordinances relative to removal, handling, and protection against exposure or environmental pollution. Notify Construction Manager immediately.
- All items of value as determined by the Owner, such as HVAC equipment, electrical equipment, etc., shall be carefully removed, labeled and stored, to be turned over to the Owner at an offsite location in Philadelphia.
- Contractor shall coordinate demolition with all documents and other Prime contractors.
- The contract documents are intended to be complimentary. Demolition shall include work demolition necessary to accommodate the new work shown throughout the documents.

A New Construction Project:

MSCCM- Ellis Theater Renovations

Project Site Address:
311 Byrd Ave.
Philadelphia, Ms.
39350

DAAD Project Number:
17583

No: SET:
01 CD SET
2 Revision 1

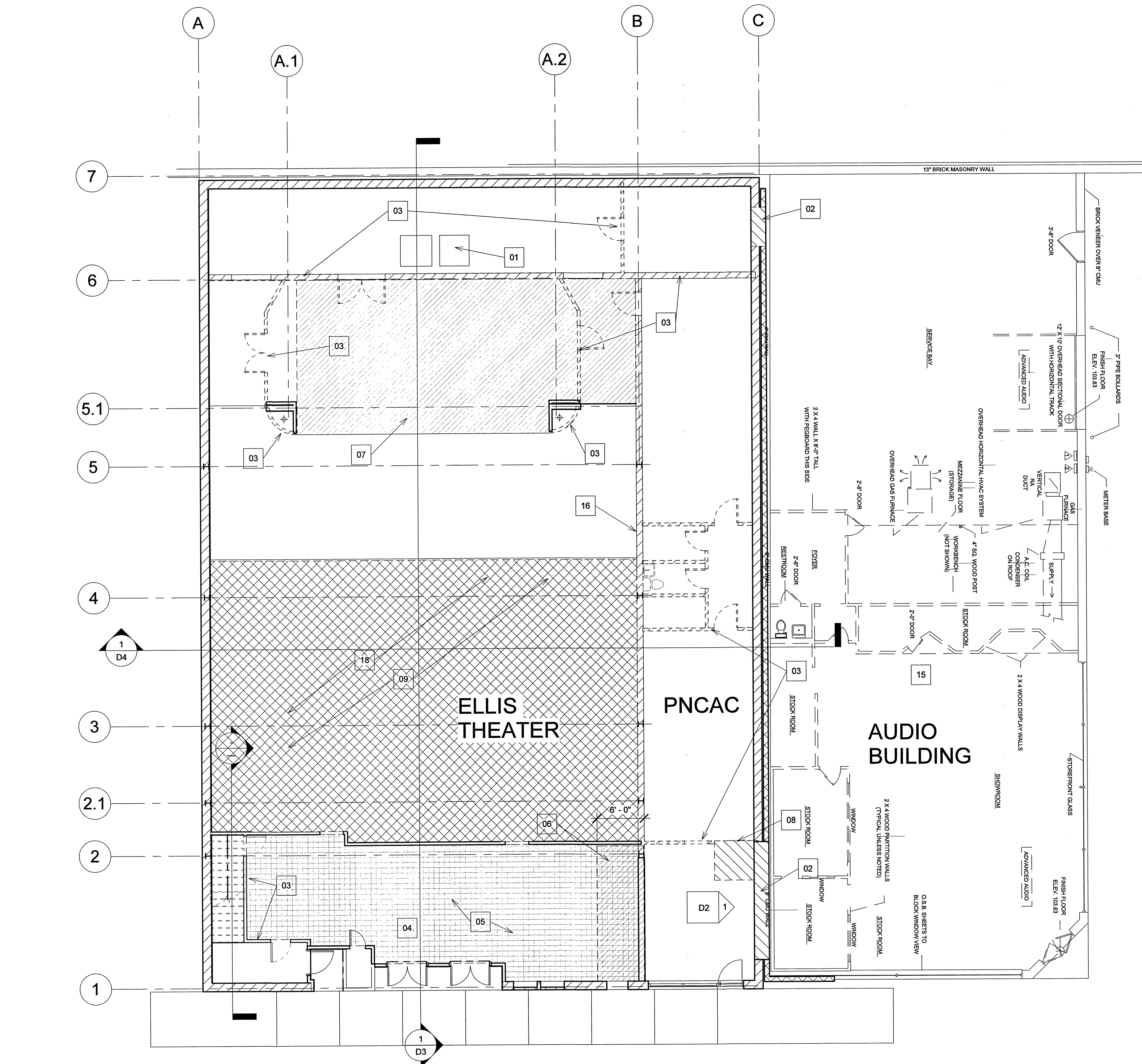
DATE:
08/11/21
08/23/21

Drawing:

LOBBY PNCAC DEMO
PLAN

D1

Issued For Construction



1 ELLIS LOBBY DEMO
1/8" = 1'-0"

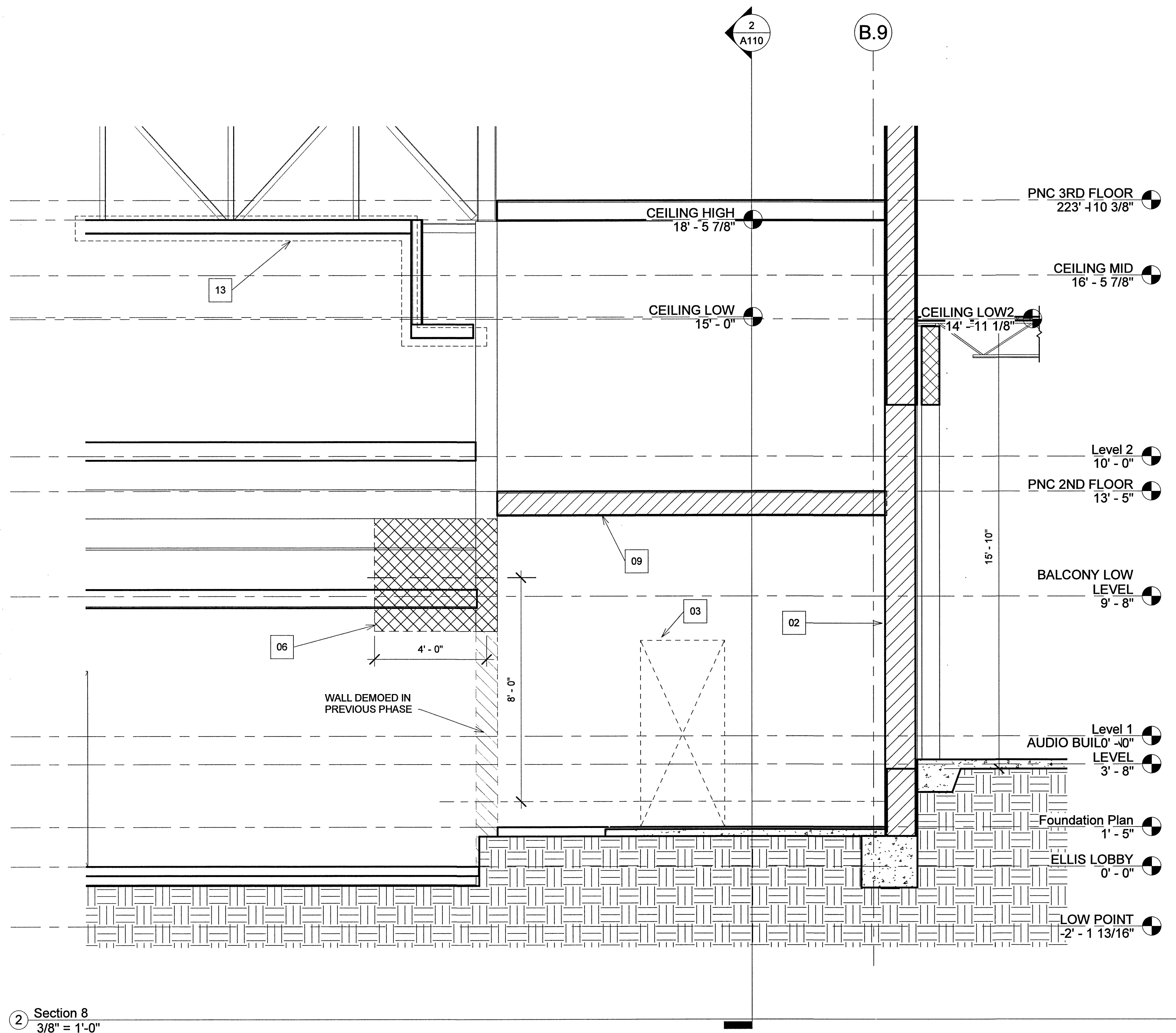
YATES ENGINEERING
CORPORATION

P.O. BOX 456
PHILADELPHIA, MISSISSIPPI 39350
601-656-5411

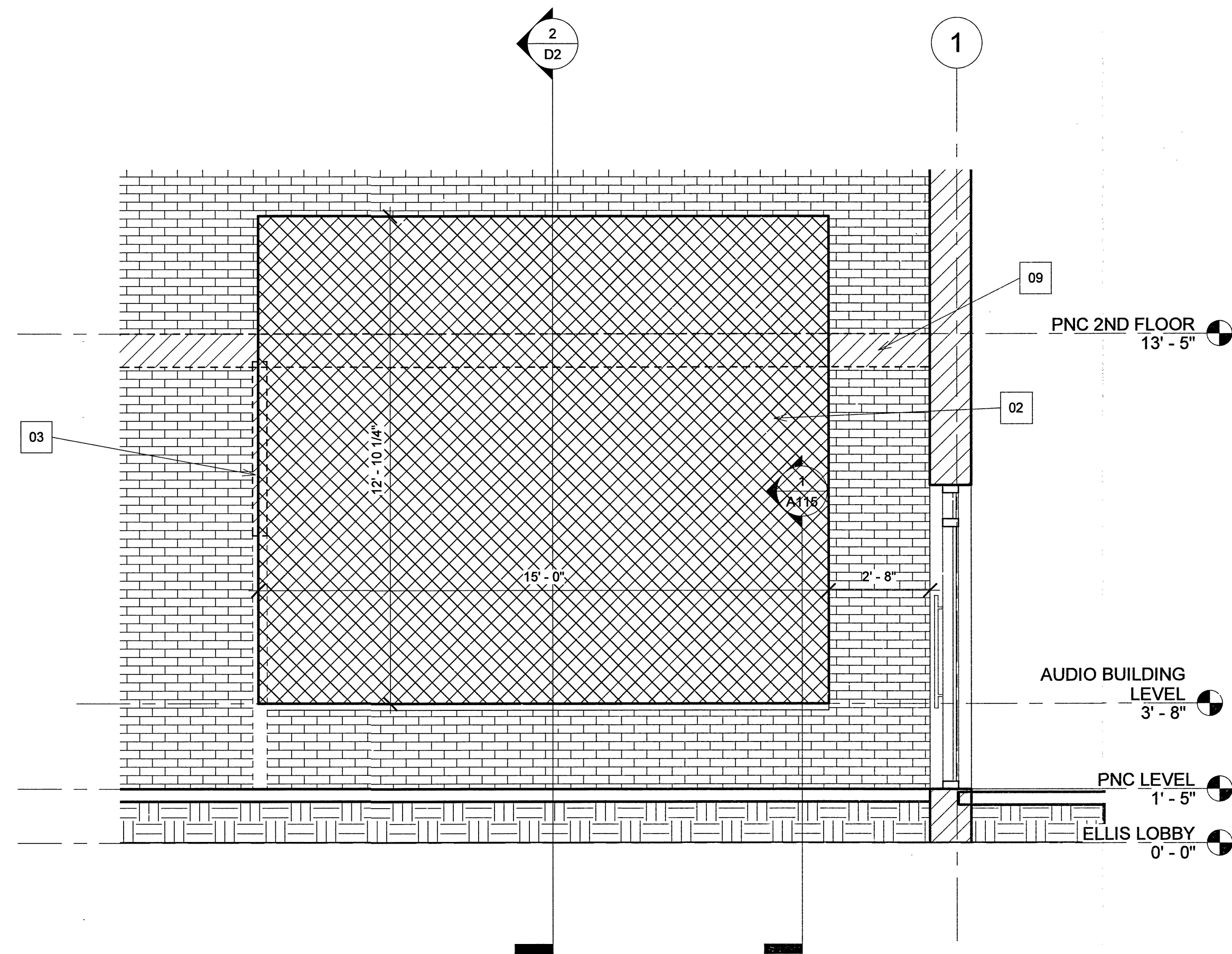
Dryden

2520 White Avenue
Nashville, TN 37204

615.248.3223
dryden.studio



1 Elevation 2 - a (DEMO PNCAC)
3/8" = 1'-0"



A New Construction Project:

MSCCM- Ellis Theater Renovations

Project Site Address:
311 Byrd Ave.
Philadelphia, Ms.
39350

DAAD Project Number:
17583

No: SET:

01: 01 CCD SET 8/11/21
2 Revision 1

DATE:

08/11/21
08/23/21

Drawing:

DEMO PASSAGE
@AUDIO BLD

Issued For Review

D2

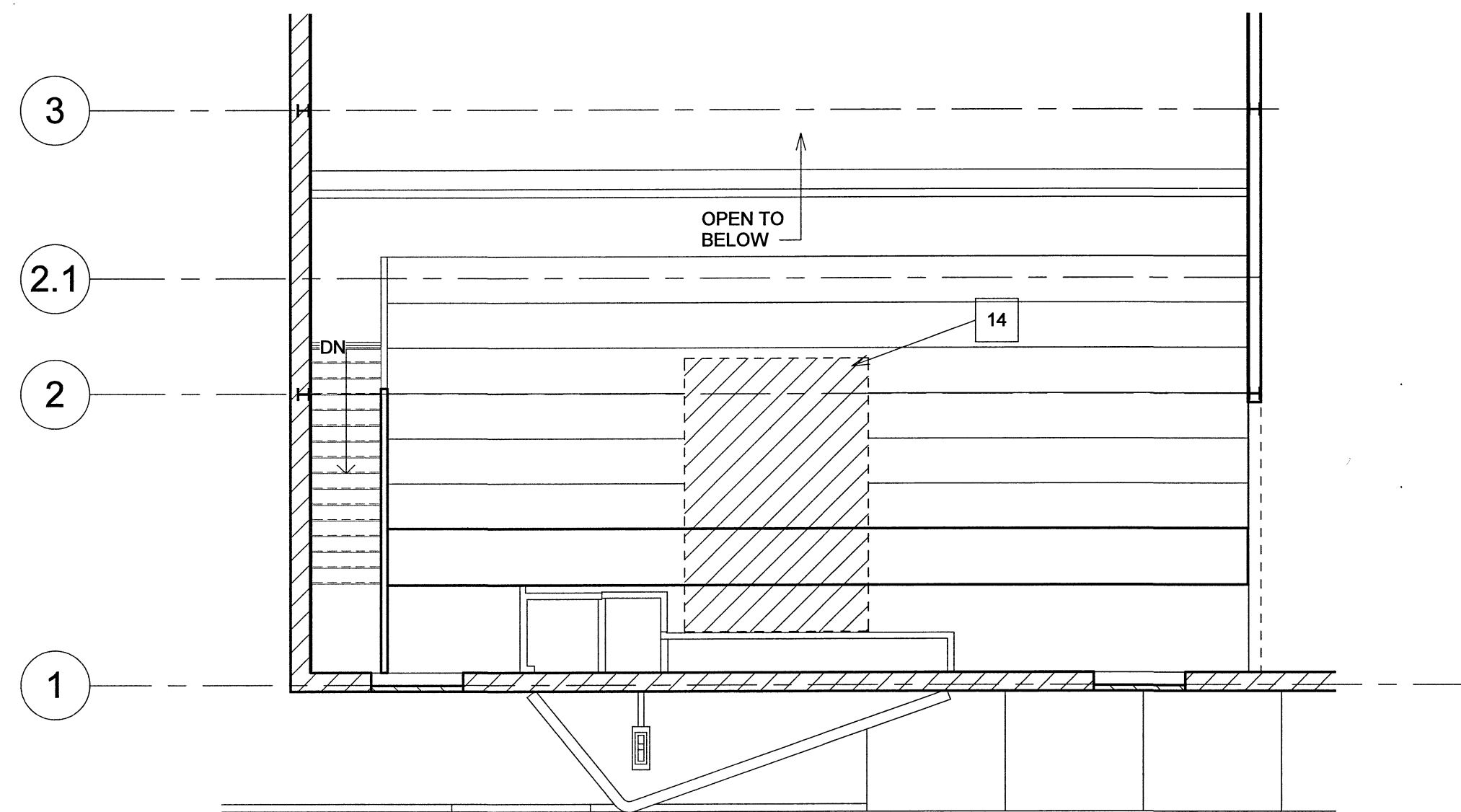
YATES ENGINEERING
CORPORATION

P.O. BOX 456
PHILADELPHIA, MISSISSIPPI 39350
601-656-5411

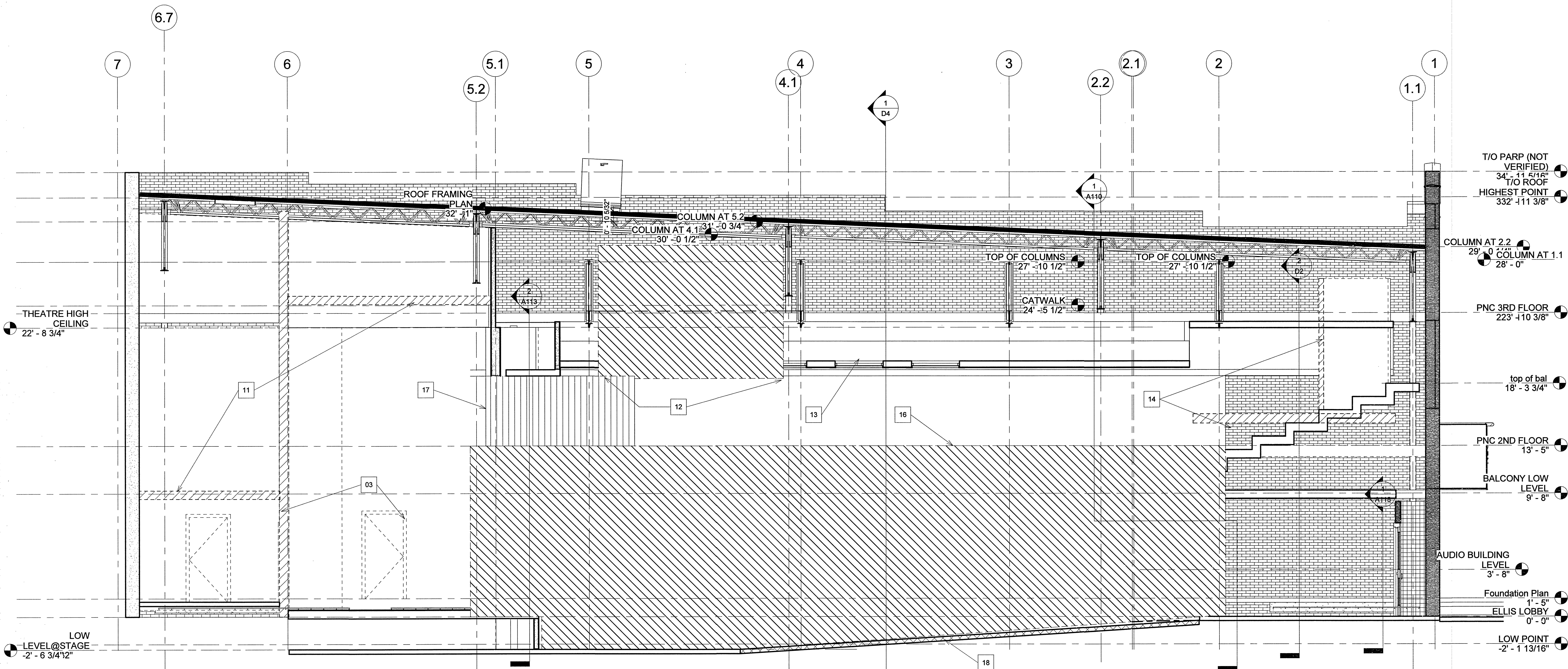
Dryden

2520 White Avenue
Nashville, TN 37204

615.248.3223
dryden.studio



2 BALCONY DEMO
1/8" = 1'-0"



ELLIS SECTION THEATER LOOKING
NORTH DEMO
1/4" = 1'-0"

A New Construction Project:

MSCCM- Ellis Theater Renovations

Project Site Address:
311 Byrd Ave.
Philadelphia, Ms.
39350

DAAD Project Number:
17583

No: SET:
01: 01 CCD SET 8/11/21
2 Revision 1

DATE:
08/11/21
08/23/21

Drawing:

DEMO THEATER
SECTION

D3

Issued For Construction

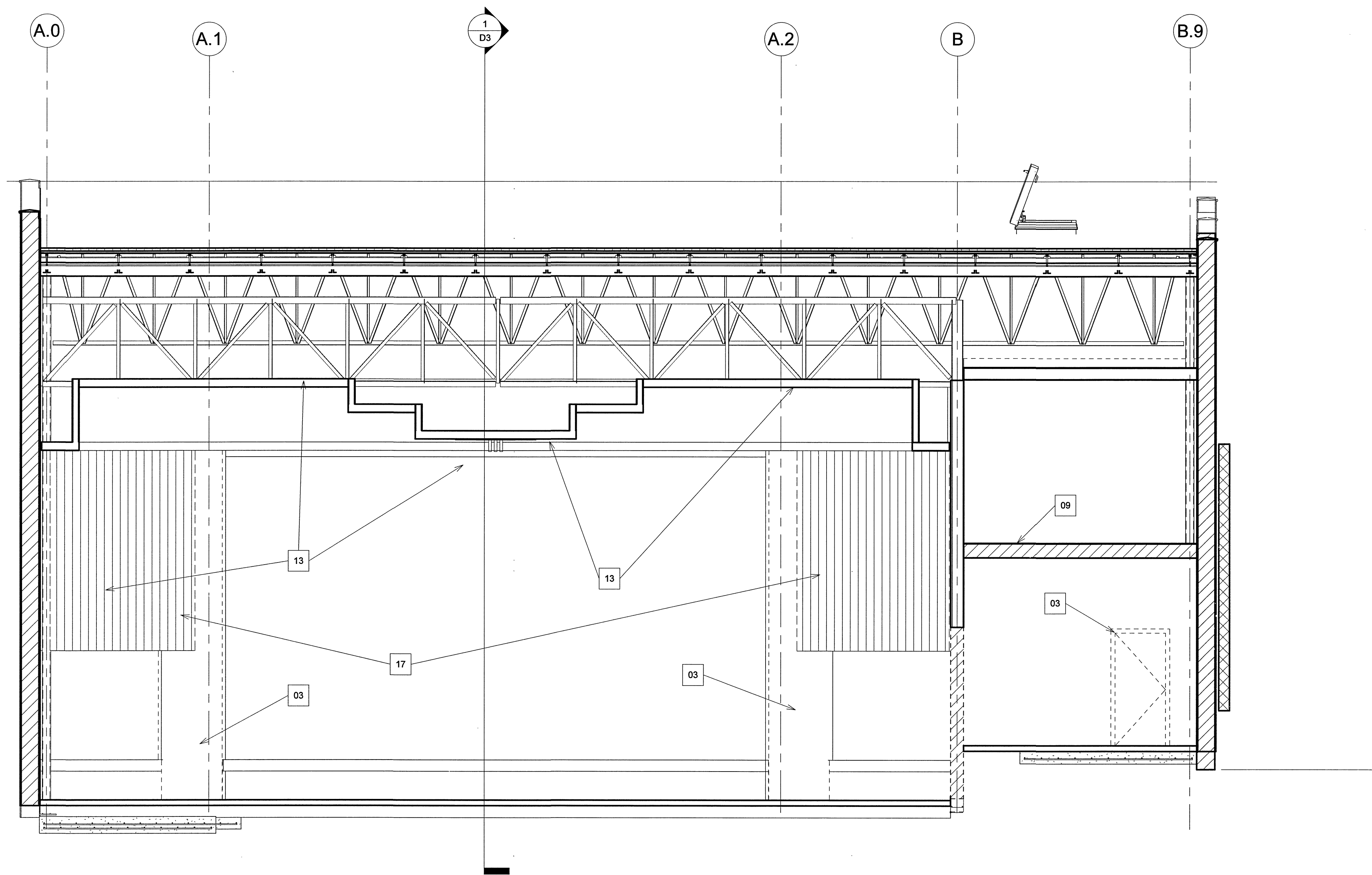
YATES ENGINEERING
CORPORATION

P.O. BOX 456
PHILADELPHIA, MISSISSIPPI 39350
601-656-5411

Dryden

2520 White Avenue
Nashville, TN 37204

615.248.3223
dryden.studio



A New Construction Project:

MSCM- Ellis Theater Renovations

Project Site Address:
311 Byrd Ave.
Philadelphia, Ms.
39350

DAAD Project Number:
17583

No: SET:

01: 01 CCD SET 8/11/21
2 Revision 1

DATE:

08/11/21
08/23/21

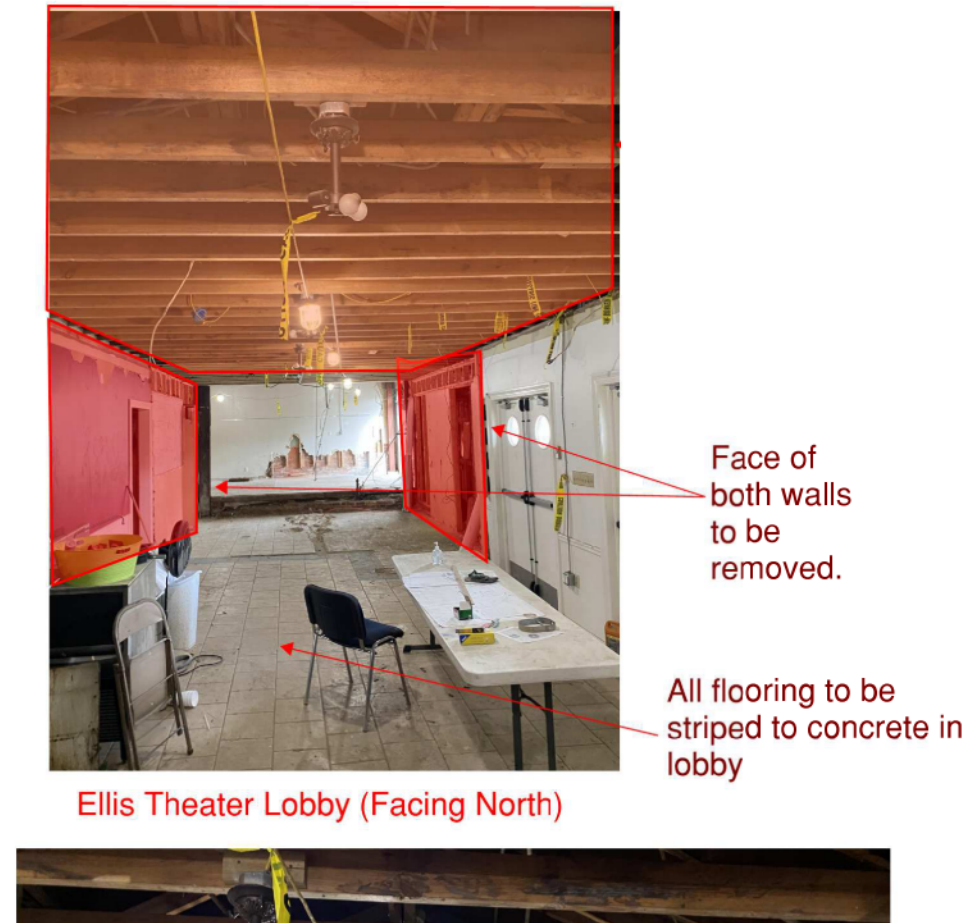
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DEMO THEATER
SECTION

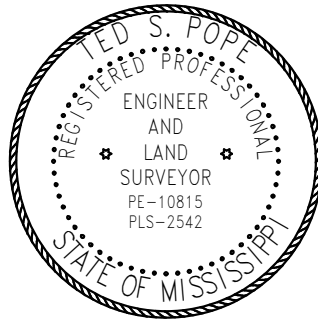
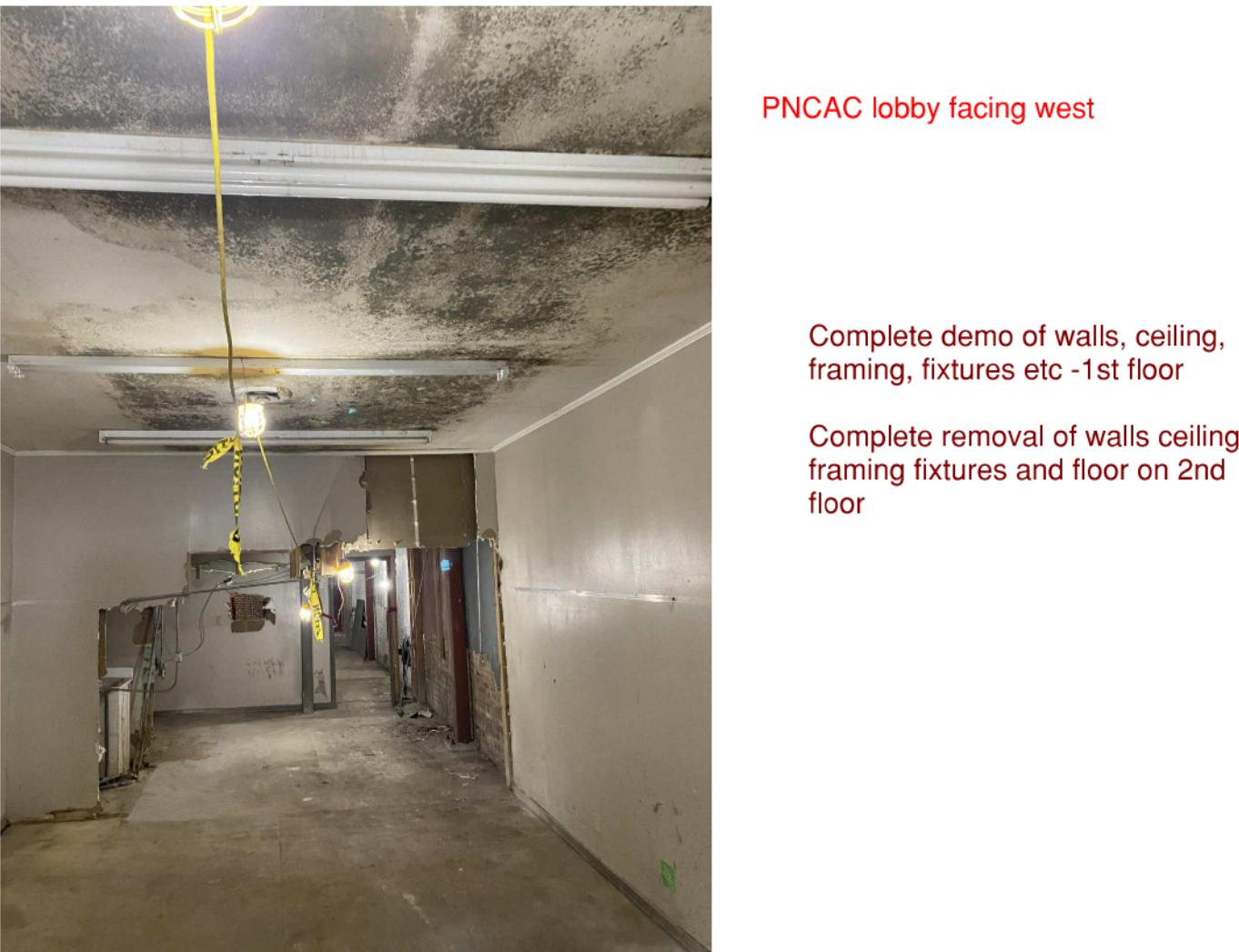
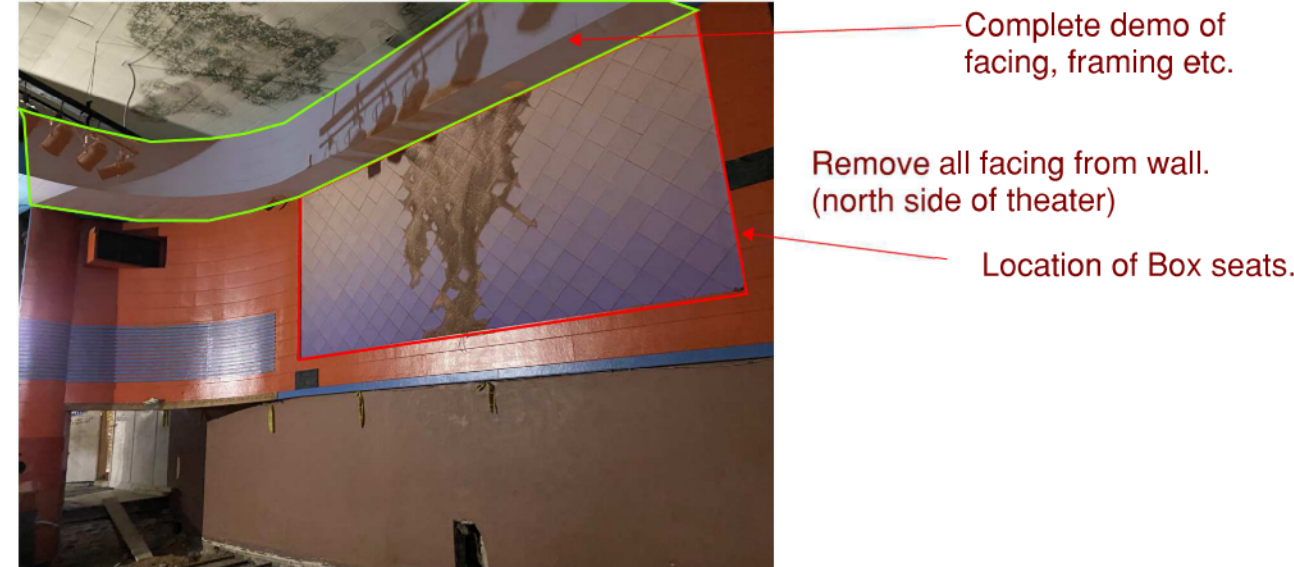
D4

Issued For Construction

1 Section 17 CEILING DEMO
1/4" = 1'-0"



Sheet List	
Sheet Number	Sheet Name
D1	LOBBY PNCAC DEMO PLAN
D2	DEMO PASSAGE @AUDIO BLD
D3	DEMO THEATER SECTION
D4	DEMO THEATER SECTION
D5	DEMO FIELD NOTES/PICTURES



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MSCCM- Ellis Theater Renovations

Project Site Address:
311 Byrd Ave.
Philadelphia, Ms.
39350

DAAD Project Number:
17583

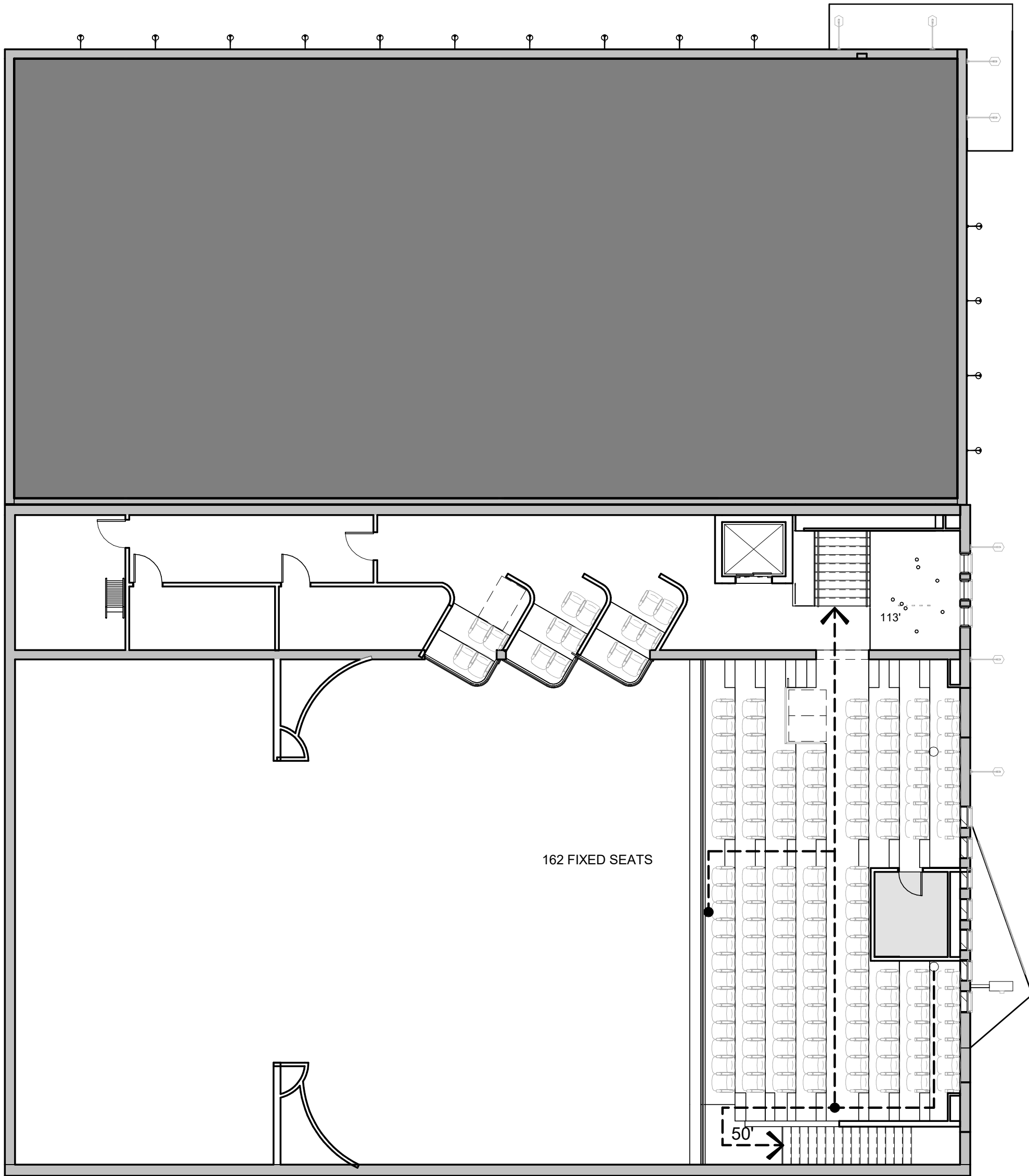
No:	SET:	DATE:
01	CD SET	08/11/21
2	Revision 1	08/23/21

Drawing:

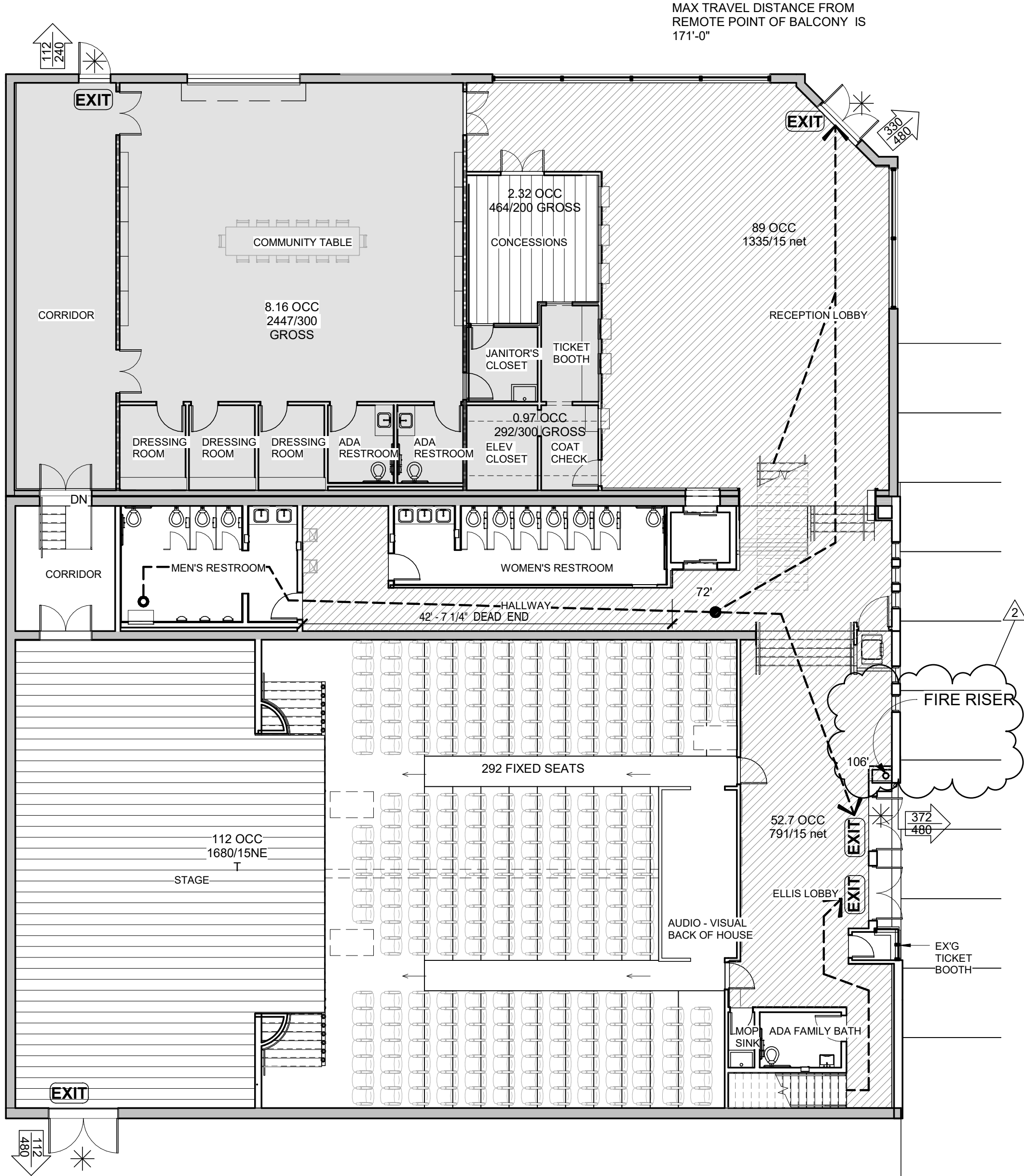
DEMO FIELD NOTES/PICTURES

Issued For Construction

D5



2 LEVEL 2 LIFE SAFETY PLAN
3/32" = 1'-0"



1 LEVEL 1 LIFE SAFETY PLAN
3/32" = 1'-0"

BUILDING DATA AND CODE ANALYSIS

TYPE OF CONSTRUCTION: IIIB AUTOMATIC SPRINKLER

USE AND OCCUPANCY CLASSIFICATION: A1

FRONTAGE CALCULATIONS: SHOW IF USED

SPRINKLER BONUS: IF USED, STATE HOW TAKEN

NUMBER OF STORIES: (PER 2018 IBC TABLE 504.4)
ALLOWED: 3
PROVIDED: 2

TOTAL SQUARE FOOTAGE: (PER 2018 IBC TABLE 506.2)
ALLOWED: 25,000 SF PER FLOOR (SM)
PROVIDED: 12,305 SF (1st Floor)

OCCUPANT LOAD: (PER 2018 IBC TABLE 1004.5)
UNCONCENTRATED (TABLES AND CHAIRS)
2126 SF / 15 SF NET PER OCCUPANT = 141.7 PERSONS
KITCHENS (COMMERCIAL)
464 SF / 200 SF GROSS PER OCCUPANT = 2.32 PERSONS
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM
2739 SF / 300 SF GROSS PER OCCUPANT = 9.13 PERSONS
292 FIXED SEATS = 292 PERSONS
STAGES AND PLATFORMS
1880 SF / 15 SF NET PER OCCUPANT = 112 PERSONS
LEVEL 01: 557.15 PERSONS, ROUNDED UP = 558 PERSONS

163 FIXED SEATS = 163 PERSONS
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM
71 SF / 300 SF PER OCCUPANT = 0.24 PERSONS
LEVEL 02: 163.24 PERSONS, ROUNDED UP = 164 PERSONS

TOTAL: 722 PERSONS, ROUNDED UP = 722 PERSONS

EGRESS DOORS: (PER 2018 IBC SECTION 1005.3.2)
REQUIRED: 0.15" PER OCCUPANT = 108.374=27.08" PER EXIT
REQUIRED
MINIMUM: 34" CLEAR EACH EXIT OR ONE LEAF OF DOOR PAIR
PROVIDED: 4 EXITS AT 36" EACH

EGRESS STAIRS: (PER 2018 IBC SECTION 1005.3.1)
REQUIRED: 0.2" PER OCCUPANT = 32.272 = 16.1" PER STAIR REQUIRED
MINIMUM: 44"
PROVIDED: 2 STAIRS AT MIN. OF 44" EACH

GREATEST TRAVEL DISTANCE: (PER 2018 IBC TABLE 1016.2)
MAXIMUM: 138'-0"
PROVIDED: 171'-0"

COMMON PATH OF EGRESS TRAVEL: (PER 2018 IBC TABLE 1014.3)
MAXIMUM: 75'-0"
PROVIDED: 72'-0"

EXIT SEPARATION: (PER 2018 IBC SECTION 1015.2.1)
MINIMUM: 47'-0"
PROVIDED: 80'-0" (SMALLEST EXIT SEPARATION)

DEAD END CORRIDOR: (PER 2018 IBC SECTION 1018.4)
MAXIMUM: 50'-0"
PROVIDED: 43'-0"

PLUMBING FIXTURES

(CALCULATIONS PER 2018 IBC TABLE 2902.1)

MEN: 361 PERSONS
REQUIRED: 1 WATER CLOSET PER 125 PERSONS = 3
PROVIDED: 4 WATER CLOSETS, 3 URINALS
REQUIRED: 1 LAVATORY PER 200 PERSONS = 2
PROVIDED: 3 LAVATORIES

WOMEN: 361 PERSONS
REQUIRED: 1 WATER CLOSET PER 125 PERSONS = 3
PROVIDED: 7 WATER CLOSETS
REQUIRED: 1 LAVATORY PER 200 PERSONS = 2
PROVIDED: 3 LAVATORIES

DRINKING FOUNTAIN: 722 PERSONS
REQUIRED: 1 DRINKING FOUNTAIN PER 500 PERSONS
PROVIDED: 2 DRINKING FOUNTAINS

SERVICE SINK:
REQUIRED: 1
PROVIDED: 1

FIRE

RATINGS

PER TYPE IIIB CONSTRUCTION TYPE THE FOLLOWING FIRE RATINGS ARE REQUIRED FOR BUILDING ELEMENTS: (PER 2018 IBC TABLES 601 AND 602)

COLUMNS / BEAMS / GIRDERS / TRUSSES:	0 HOUR
EXTERIOR BEARING WALLS:	2 HOUR
EXTERIOR NON-BEARING WALLS:	
< 5' SEPARATION DISTANCE:	1 HOUR
≥ 5' AND < 10' SEPARATION DISTANCE:	1 HOUR
≥ 10' AND < 30' SEPARATION DISTANCE:	1 HOUR
≥ 30' SEPARATION DISTANCE:	0 HOUR
INTERIOR BEARING WALLS:	0 HOUR
INTERIOR NON-BEARING WALLS AND PARTITIONS:	0 HOUR
FLOOR AND FLOOR / CEILING ASSEMBLIES:	0 HOUR
ROOF AND ROOF / CEILING ASSEMBLIES:	0 HOUR

A New Construction Project:

MSCCM -
Ellis Theater
Renovation

Project Site Address:
311 Byrd Ave,
Philadelphia, MS
39350

DAAD Project Number:
197852

No: 01 CD SET
2 Revision 1

08/11/21
08/23/21

Drawing:

LIFE SAFETY PLANS

A001

LIFE SAFETY PLAN NOTES

- OVERALL PLANS SHOWN FOR REFERENCE ONLY. REFER TO BUILDING PLANS FOR DIMENSIONS AND OTHER INFORMATION.
- REFER TO GENERAL NOTES AND CODE ANALYSIS SHEET(S) FOR APPLICABLE CODE INFORMATION, BUILDING DATA AND EGRESS REQUIREMENTS.

LIFE SAFETY LEGEND

EMERGENCY EXIT SIGNAGE:

1-HOUR RATED WALL OR SHAFT:

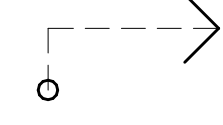
2-HOUR RATED WALL OR SHAFT:

FARTHEST TRAVEL PATH TO EXIT:

COMMON PATH POINT OF CHICE:

EXTERIOR EXIT DOOR / EXIT DISCHARGE:

EXIT



FIRE EXTINGUISHER:

FIRE DEPARTMENT CONNECTION:

MEANS OF EGRESS CAPACITY:

NOT IN PROJECT SCOPE:

FE

S-R

FDC

ACTUAL

EGRESS 3

DIRECTION

ALLOWABLE

CAPACITY

CAPACITY

KEYNOTE

OCCUPANCY LEGEND (IBC 2018 1004.5)

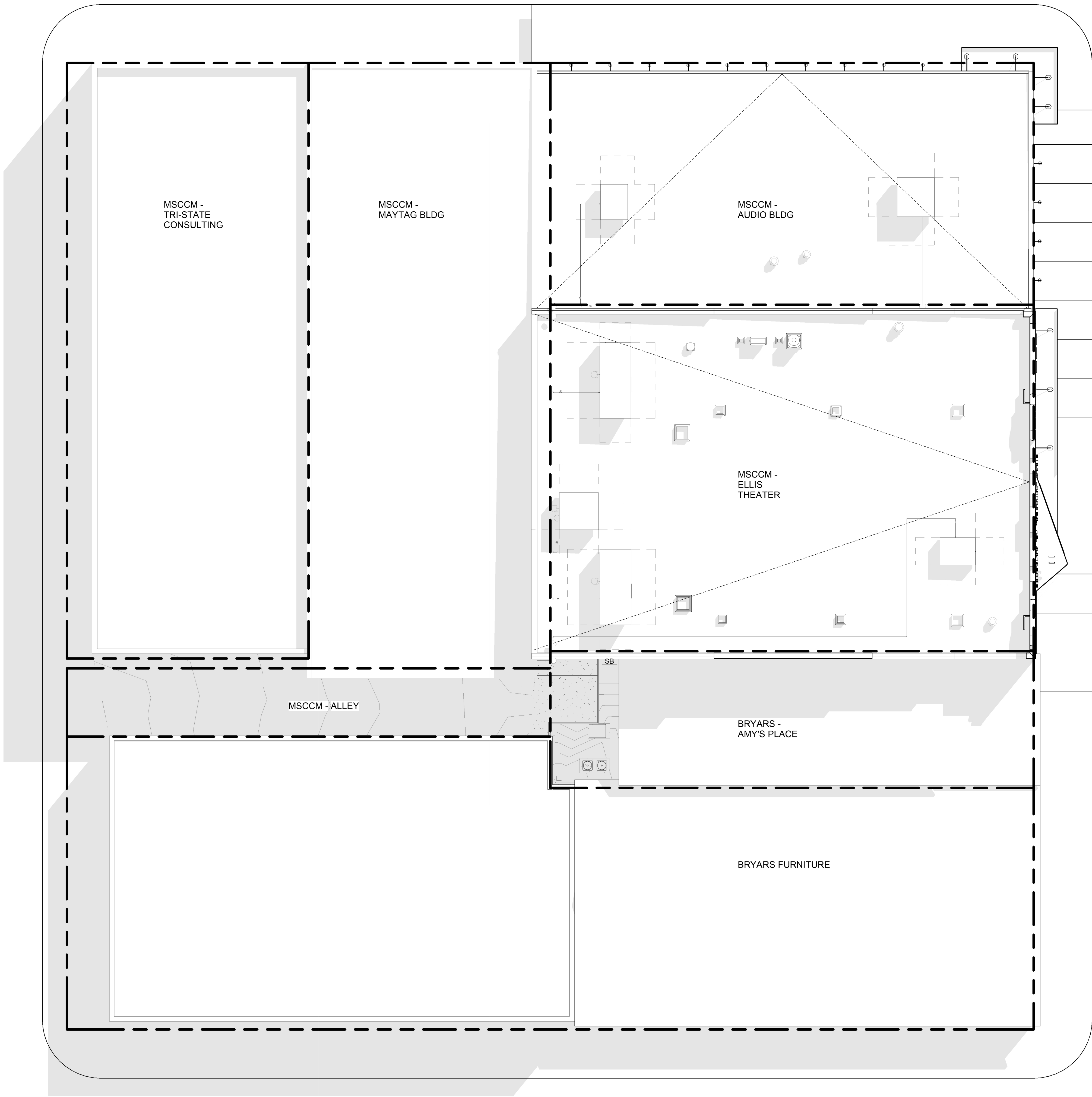
STAGES AND PLATFORMS
15 SF NET PER OCCUPANT

ACCESSORY STORAGE AREAS,
MECHANICAL EQUIPMENT ROOM
300 SF GROSS PER OCCUPANT

KITCHEN, COMMERCIAL
200 SF GROSS PER OCCUPANT

UNCONCENTRATED (TABLES AND CHAIRS)
15 SF NET PER OCCUPANT





① OVERALL SITE PLAN
3/32" = 1'-0"

- SITE PLAN NOTES**
- REFER TO GENERAL NOTES SHEET FOR GENERAL CONDITIONS AND REQUIREMENTS FOR ALL CONSTRUCTION.
 - CONTRACTOR SHALL VERIFY AND STAKE THE PROPOSED BUILDING(S) LOCATION RELATIVE TO ALL PROPERTY LINES AND SETBACKS TO ENSURE THAT THE BUILDING DOES NOT ENCROACH ON ANY PROPERTY LINES, SETBACKS OR EASEMENTS UNLESS ALLOWED BY THE AUTHORITY HAVING JURISDICTION.
 - CONTRACTOR SHALL VERIFY EXISTING GRADES, TREE LOCATIONS AND PROPOSED BUILDING LOCATION AND SHALL ADVISE THE ARCHITECT OF ANY RECOMMENDED MODIFICATIONS PRIOR TO START OF WORK.
 - PLEASE NOTE THAT ORIENTATION OF THE BUILDING PLAN ILLUSTRATED MAY DIFFER FROM ORIENTATION FOUND IN CONSULTANT PLANS.
 - CONTRACTOR SHALL COORDINATE FINAL GRADING, HARDSCAPING AND PAVING AS REQUIRED FOR POSITIVE DRAINAGE AWAY FROM THE BUILDING.
 - CONTRACTOR SHALL LOCATE ALL UTILITY SERVICES AND COORDINATE EXTENSIONS TO THE BUILDING. PROVIDE CLEAN OUTS FOR ALL UNDERGROUND STORMWATER, RAIN LEADER AND SANITARY UTILITY RUNS. REFER TO CIVIL. ALL CONNECTIONS, METERS AND CLEAN OUTS SHALL BE LOCATED AND INSTALLED IN VISUALLY UNOBTUSIVE MANNER.
 - REFER TO LANDSCAPE DRAWINGS FOR ALL HARDSCAPE AND LANDSCAPE AREAS, SITE FENCES, GATES, SITE ACCESSORIES, LANDSCAPE FEATURES AND OPERATIONAL REQUIREMENTS FOR SITE FEATURES AND AMENITIES.
 - REFER TO CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION REGARDING ACCESSIBLE ROUTES TO AND FROM BUILDING(S).

GRAPHICS SYMBOLS LEGEND

ELEVATION MARKER:	+0'-0"
EXISTING SPOT ELEVATION MARKER:	+ 000.00
NEW SPOT ELEVATION MARKER:	000.00
KEYNOTE TAG:	①
NOT IN PROJECT SCOPE:	▨

KEYNOTE

Dryden

2520 White Avenue
Nashville, TN 37204
615.248.3223
dryden.studio



A New Construction Project:

MSCCM - Ellis Theater Renovation

Project Site Address:
311 Byrd Ave,
Philadelphia, MS
39350

DAAD Project Number:
197852

No: 01 CD SET 08/11/21

Drawing:

ARCHITECTURAL SITE
PLAN

A100



A New Construction Project:

MSCCM - Ellis Theater Renovation

Project Site Address:
311 Byrd Ave,
Philadelphia, MS
39350

DAAD Project Number:
197852

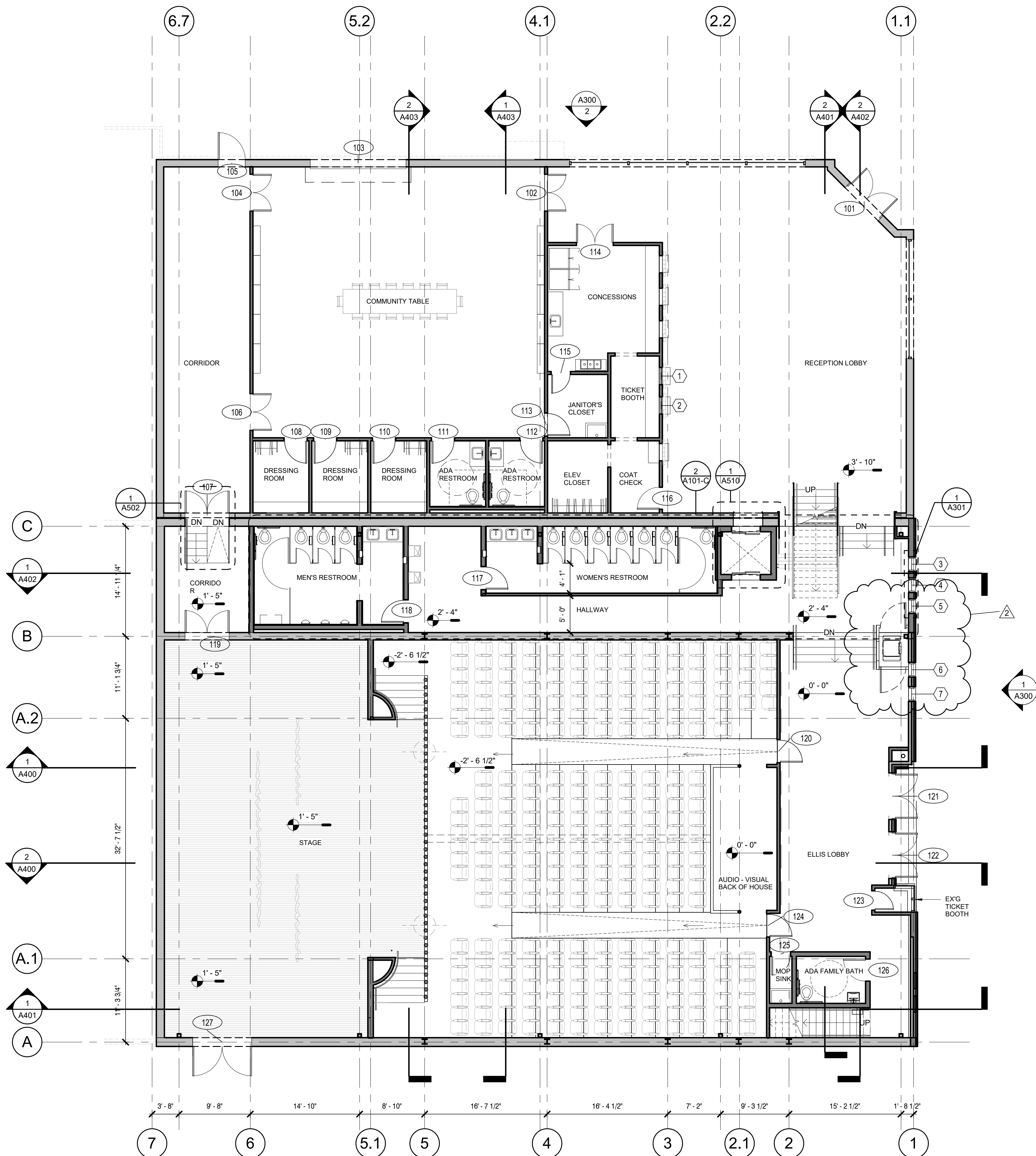
No: 01 CD SET
2 Revision 1

08/11/21
08/23/21

Drawing:

ARCHITECTURAL FIRST
FLOOR PLAN

A101



1 LEVEL 1 OVERALL PLAN
1/8" = 1'-0"

PLAN NOTES

- REFER TO GENERAL NOTES SHEET FOR GENERAL CONDITIONS AND REQUIREMENTS FOR ALL CONSTRUCTION.
- CONTRACTOR TO PERFORM THE WORK OUTLINED IN THESE NOTES IN ALL AREAS OF CONSTRUCTION UNLESS NOTED OTHERWISE IN THESE DOCUMENTS.
- REFER TO GENERAL NOTES SHEET DIMENSION NOTES. UNLESS OTHERWISE INDICATED, DIMENSIONS SHOWN ON ARCHITECTURAL NEW CONSTRUCTION FLOOR PLANS ARE TO THE FACE OF STUD WALLS, TO CENTERLINE OF COLUMNS AND TO FACE OF CONCRETE OR MASONRY WALLS. "OFOS" = OUTSIDE FACE OF STUD. "OFOC" = OUTSIDE FACE OF COLUMN. "FOF" = FACE OF FINISH.
- REFER TO STRUCTURAL DRAWINGS FOR CLARIFICATION OF SLAB, CURB AND FOUNDATION DIMENSIONS.
- PLEASE NOTE THAT ORIENTATION OF THE BUILDING PLAN ILLUSTRATED MAY DIFFER FROM ORIENTATION FOUND IN CONSULTANT PLANS.
- ALL MECHANICAL, PLUMBING, ELECTRICAL, SECURITY, UTILITY, TELEVISION, TELEPHONE AND OTHER AUDIO / VISUAL EQUIPMENT AND FURNISHINGS SHALL BE INSTALLED SO AS TO NOT BE IN CONFLICT WITH ANY WINDOW, DOOR OR ACCESSIBLE ROUTE, TYP.

GRAPHICS SYMBOLS LEGEND

WALL TYPE TAG:	1A
DOOR TAG:	XXX
WINDOW TAG:	1i
STROEFRONT TAG:	STF-XX
ELEVATION MARKER:	+0'-0"
KEYNOTE TAG:	1
ROOM TAG:	X-XXXX Room name 150 SF
FINISH TAG:	CEILING WALL BASE FLOOR
APPLIANCE TAG:	TA 01
ACCESSORIES TAG:	AC 01
NOT IN PROJECT SCOPE:	

KEYNOTES

- PROVIDE NEW DOOR
- EXTERIOR DOOR TO BE PAINTED
- REPAIR LEAK IN MARQUEE THROUGH REMOVAL OF ROOFTOP A/C UNIT
- CONCESSION STAND TO BE REPLACED WITH ADA FAMILY BATHROOMS
- EXISTING COUNTER TO BE RE-COVERED IN NEW FINISH
- LIFT AND REPLACE CEILING UNDER BALCONY AS REQUIRED
- REPAIR/REPLACE THEATER CEILING AS REQUIRED
- NEW MASONRY OPG AND GLAZING
- INSTALL NEW STAIRS AND HANDRAIL
- PAINT HALLWAY AND STAIRWELL TO BALCONY
- REPAIR/REPLACE CEILING IN HALLWAY AND STAIRWELL TO BALCONY
- REMOVE WALL AROUND EXG STRUC COLUMN
- ADD LOAD BEARING BEAMS AT CEILING FOR TOURS LIGHTING
- ADD STAGE LIGHTS AT CEILING
- PROVIDE POWER AT FOH AREA; COORDINATE REQUIREMENTS WITH OWNER
- REVIEW SOUND WINGS WITH OWNER
- INSTALL OWNER PROVIDED SEATS; COORDINATE MODIFICATIONS AS NECESSARY
- PROVIDE FLOOR TROUGH FOR 6" CONDUIT
- FLANKING STAGE WALLS TO BE CMU UP TP HEIGHT OF STAGE AND FRAMED ABOVE WITH SOUND BOARD APPLIED TO EXISTING SUBSTRATE
- FLANKING STAGE STAIRS REPLACED AS NEEDED
- PROVIDE ADDITIONAL LIGHTING AT LOADING BAY
- PORTION OF STAGE IN FRONT OF COLUMN LINE 5.1 TO BE WOOD FRAMED AND SPRINKLED BELOW
- ADD PA POINTS ON BOTH SIDES OF STAGE
- ADD LOAD BEARING BEAMS ABOVE STAGE; VERIFY QUANTITY WITH OWNER IN FIELD
- ENSURE NO GRADE CHANGE AT DOOR; PROVIDE RAMP AS NECESSARY
- PROVIDE CAM LOCK ON ALL ELECTRICAL PANELS
- PROVIDE BURIED CONDUIT TO PEET'S BUILDING
- PROVIDE POWER TO STAGE AS REQUIRED BY OWNER
- PROVIDE NEW PAINT AND LIGHTING; FURNITURE PROVIDED BY OWNER
- PROVIDE POWER TO STAGE; 30 AMP QUAD
- PROVIDE MULTIPLE QUAD BOXES AT UPSTAGE WALL
- PROVIDE POWER ON GREEN ROOM WALLS
- ENSURE GENIE LIFT ACCESS TO THEATER
- DOUBLE SIDED HYDRAULIC ELEVATOR
- VERTICAL ADA LIFT WITH 42" CLEAR LANDING
- DRINKING FOUNTAIN STATION
- TICKET BOOTH WINDOW
- CONCESSION WINDOW
- WALL MOUNTED BENCH
- "ROYAL" BOOTH SEATING
- SHIP LADDER TO CATWALK
- COMMUNITY TABLE, OWNER PROVIDED
- WALL MOUNTED COUNTERTOP, SEE ELEVATIONS AND DETAILS
- 33" UPRIGHT REFRIGERATOR WITH ICEMAKER
- PROVIDE LINEAR SCONCES FIXTURES AS REQ'D
- HVAC CHASE, SEE MECH
- STUD ON SIDE WALL FOR HALLWAY CLEARANCE
- INFILL BRICK WALL W/ STONE FACIA
- MOP SINK
- THREE-BAY SINK
- HANDWASHING SINK
- TRADITIONAL BULB LIGHTS AT EDGE OF STAGE
- MODIFY TICKET BOOTH FOR 5' CLEARANCE TO STAIRWELL
- STATIC STEEL RIGGING GRID, SEE STRUC
- STATIC STEELCATWALK W/ HANDRAILS, SEE STRUC
- PORTION OF STAGE FROM COLUMN LINE 7 TO COLUMN LINE 5.1 TO BE WOOD FLOORING ON SLEEPERS ABOVE NEW CONCRETE SLAB, SEE STRUC
- FIRE RISER CLOSET

PLAN NOTES

1.

REFER TO GENERAL NOTES SHEET FOR GENERAL CONDITIONS AND REQUIREMENTS FOR ALL CONSTRUCTION.

2.

CONTRACTOR TO PERFORM THE WORK OUTLINED IN THESE NOTES IN ALL AREAS OF CONSTRUCTION UNLESS NOTED OTHERWISE IN THESE DOCUMENTS.

3.

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4.

REFER TO STRUCTURAL DRAWINGS FOR CLARIFICATION OF SLAB, CURB AND FOUNDATION DIMENSIONS.

5.

PLEASE NOTE THAT ORIENTATION OF THE BUILDING PLAN ILLUSTRATED MAY DIFFER FROM ORIENTATION FOUND IN CONSULTANT PLANS.

6.

ALL MECHANICAL, PLUMBING, ELECTRICAL, SECURITY, UTILITY, TELEVISION, TELEPHONE AND OTHER AUDIO / VISUAL EQUIPMENT AND FURNISHINGS SHALL BE INSTALLED SO AS TO NOT BE IN CONFLICT WITH ANY WINDOW, DOOR OR ACCESSIBLE ROUTE, TYP.

GRAPHICS SYMBOLS

LEGEND

WALL TYPE TAG:

DOOR TAG:

WINDOW TAG:

STROEFRONT TAG:

ELEVATION MARKER:

KEYNOTE TAG:

ROOM TAG:

FINISH TAG:

EQUIPMENT & ACCESSORY TAG:

NOT IN PROJECT SCOPE:

1A

XXXX

11

STF-XX

+0'-0"

1

X-XXXX

Room name

150 SF

CEILING

WALL

BASE

FLOOR

TA 01

KEYNOTES

1

PROVIDE NEW DOOR

2

EXTERIOR DOOR TO BE PAINTED

3

REPAIR LEAK IN MARQUEE THROUGH REMOVAL OF ROOFTOP A/C UNIT

4

CONCESSION STAND TO BE REPLACED WITH ADA FAMILY BATHROOMS

6

EXISTING COUNTER TO BE RE-COVERED IN NEW FINISH

7

LIFT AND REPLACE CEILING UNDER BALCONY AS REQUIRED

8

REPAIR/REPLACE THEATER CEILING AS REQUIRED

9

NEW MASONRY OPG AND GLAZING

10

INSTALL NEW STAIRS AND HANDRAIL

11

PAINT HALLWAY AND STAIRWELL TO BALCONY

12

REPAIR/REPLACE CEILING IN HALLWAY AND STAIRWELL TO BALCONY

13

REMOVE WALL AROUND EX'G STRUC COLUMN

14

ADD LOAD BEARING BEAMS AT CEILING FOR TOURS LIGHTING

15

ADD STAGE LIGHTS AT CEILING

16

PROVIDE POWER AT FOH AREA; COORDINATE REQUIREMENTS WITH OWNER

17

REVIEW SOUND WINGS WITH OWNER

18

INSTALL OWNER PROVIDED SEATS; COORDINATE MODIFICATIONS AS NECESSARY

19

PROVIDE FLOOR TROUGH FOR 6" CONDUIT

20

FLANKING STAGE WALLS TO BE CMU UP TP HEIGHT OF STAGE AND FRAMED ABOVE WITH SOUND BOARD APPLIED TO EXISTING SUBSTRATE

21

FLANKING STAGE STAIRS REPLACED AS NEEDED

23

PROVIDE ADDITIONAL LIGHTING AT LOADING BAY

24

PORTION OF STAGE IN FRONT OF COLUMN LINE 5.1 TO BE WOOD FRAMED AND SPRINKLED BELOW

25

ADD PA POINTS ON BOTH SIDES OF STAGE

26

ADD LOAD BEARING BEAMS ABOVE STAGE; VERIFY QUANTITY WITH OWNER IN FIELD

27

ENSURE NO GRADE CHANGE AT DOOR; PROVIDE RAMP AS NECESSARY

28

PROVIDE CAM LOCK ON ALL ELECTRICAL PANELS

29

PROVIDE BURIED CONDUIT TO PEET'S BUILDING

30

PROVIDE POWER TO STAGE AS REQUIRED BY OWNER

31

PROVIDE NEW PAINT AND LIGHTING; FURNITURE PROVIDED BY OWNER

32

PROVIDE POWER TO STAGE; 30 AMP QUAD

33

PROVIDE MULTIPLE QUAD BOXES AT UPSTAGE WALL

34

PROVIDE POWER ON GREEN ROOM WALLS

36

ENSURE GENIE LIFT ACCESS TO THEATER

38

DOUBLE SIDED HYDRAULIC ELEVATOR

39

VERTICAL ADA LIFT WITH 42" CLEAR LANDING

40

DRINKING FOUNTAIN STATION

41

TICKET BOOTH WINDOW

42

CONCESSION WINDOW

43

WALL MOUNTED BENCH

47

"ROYAL" BOOTH SEATING

49

SHIP LADDER TO CATWALK

50

COMMUNITY TABLE, OWNER PROVIDED

51

WALL MOUNTED COUNTERTOP, SEE ELEVATIONS AND DETAILS

52

33" UPRIGHT REFRIDGERATOR WITH ICEMAKER

54

PROVIDE LINEAR SCONCES FIXTURES AS REQ'D

55

HVAC CHASE, SEE MECH

56

STUD ON SIDE WALL FOR HALLWAY CLEARANCE

57

INFILL BRICK WALL W/ STONE FACIA

58

MOP SINK

59

THREE-BAY SINK

60

HANDWASHING SINK

61

TRADITIONAL BULB LIGHTS AT EDGE OF STAGE

62

MODIFY TICKET BOOTH FOR 5' CLEARANCE TO STAIRWELL

63

STATIC STEEL RIGGING GRID, SEE STRUC

64

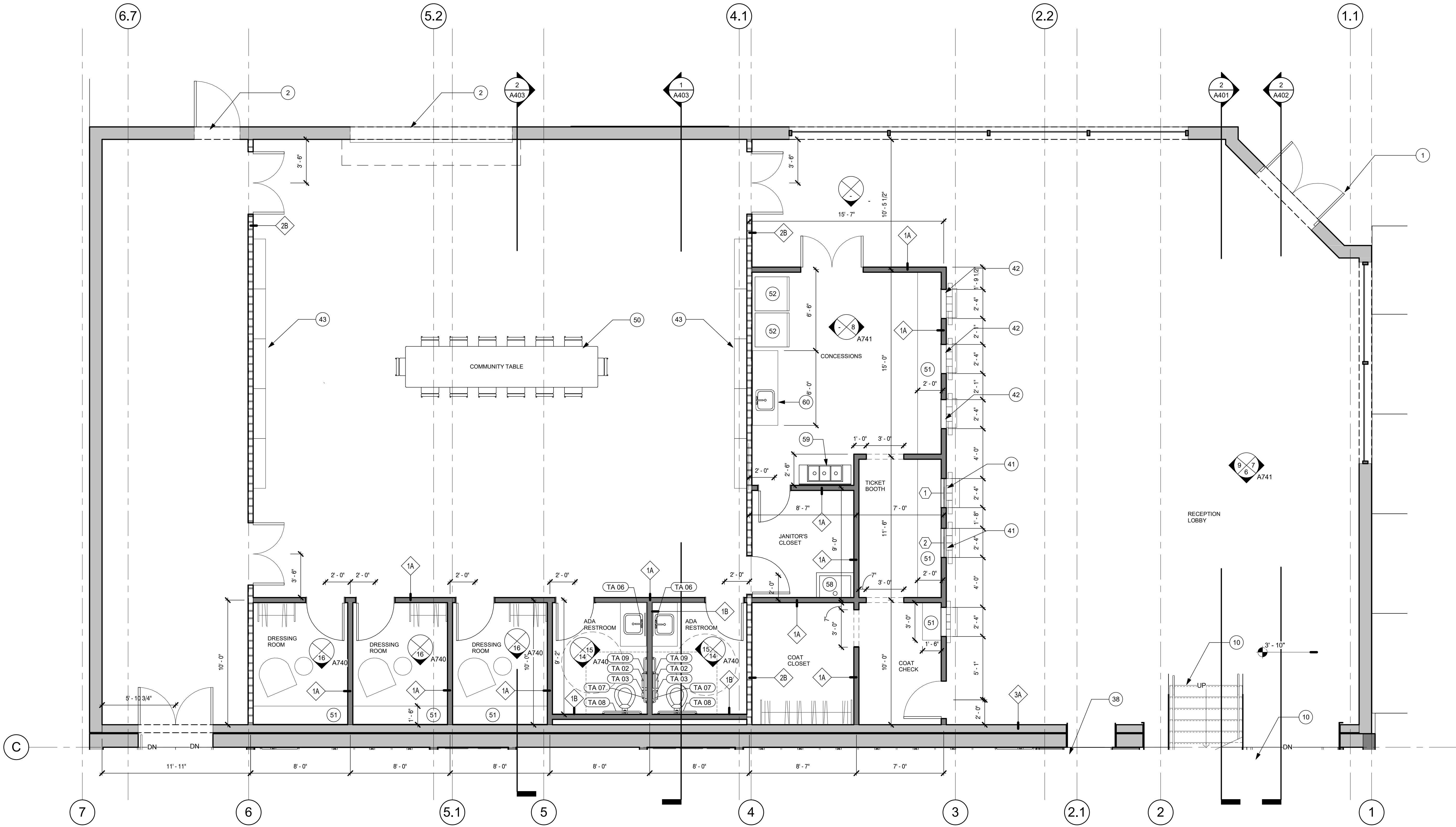
STATIC STEELCATWALK W/ HANDRAILS, SEE STRUC

65

PORTION OF STAGE FROM COLUMN LINE 7 TO COLUMN LINE 5.1 TO BE WOOD FLOORING ON SLEEPERS ABOVE NEW CONCRETE SLAB, SEE STRUC

67

FIRE RISER CLOSET



Dryden

2520 White Avenue
Nashville, TN 37204

615.248.3223
dryden.studio

REGISTERED ARCHITECT

DRYDEN ARCHITECTURE + DESIGN, PLLC

STATE OF MISSISSIPPI

08.11.21

A New Construction Project:

MSCCM - Ellis Theater Renovation

Project Site Address:
311 Byrd Ave,
Philadelphia, MS
39350

DAAD Project Number:
197852

No: 01 CD SET
2 Revision 1

08/11/21
08/23/21

Drawing:

ENLARGED AUDIO BUILDING

A101-A

Dryden

2520 White Avenue
Nashville, TN 37204

615.248.3223
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08/11/21
08/23/21

Drawing:

ENLARGED THEATER
PLAN

A101-B

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Do not scale drawings - consult Architect.

PLAN NOTES

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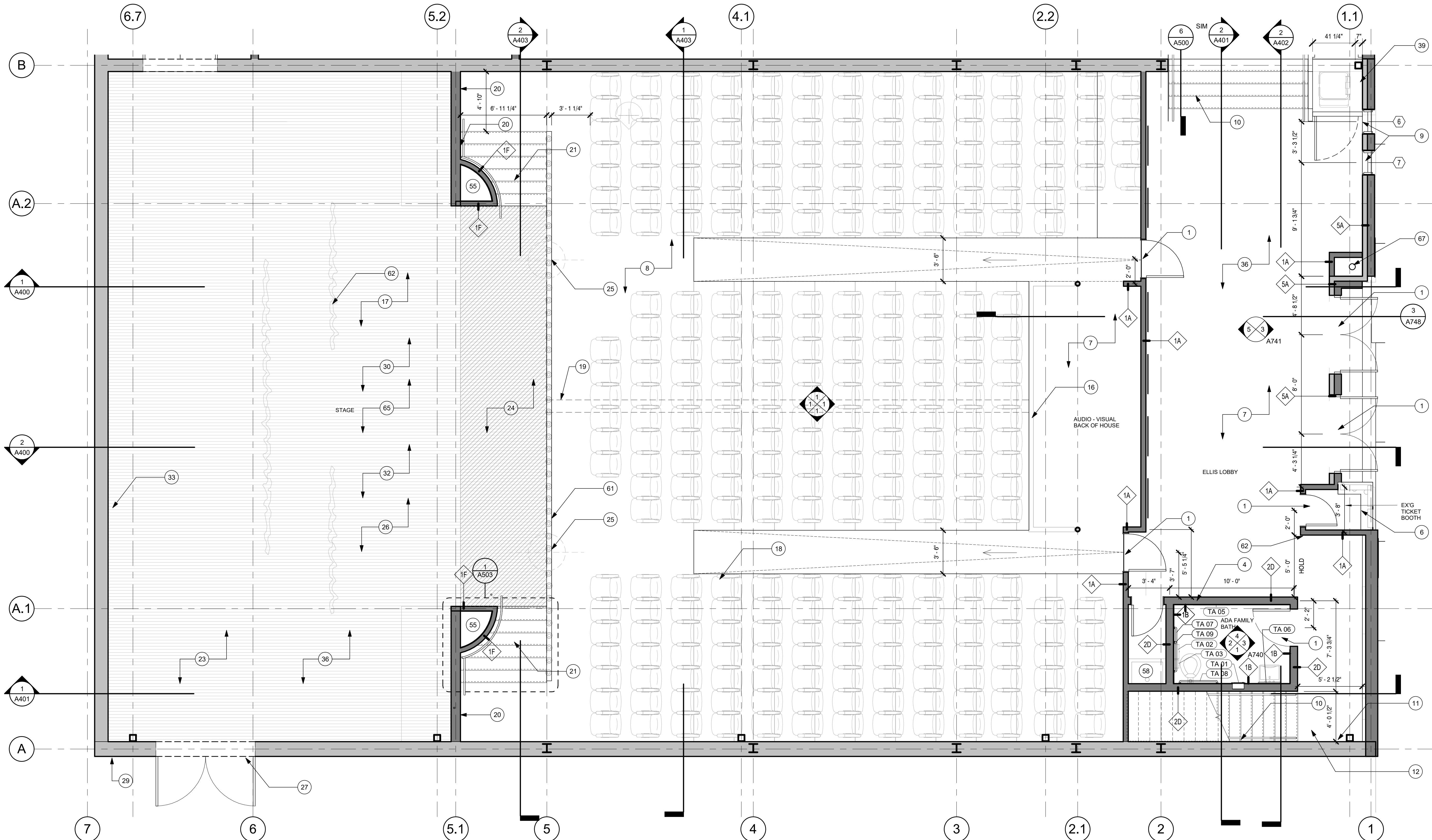
GRAPHICS SYMBOLS LEGEND

WALL TYPE TAG:	1A
DOOR TAG:	XXXX
WINDOW TAG:	1I
STROEFRONT TAG:	STF-XX
ELEVATION MARKER:	+0'-0"
KEYNOTE TAG:	1
ROOM TAG:	X-XXXX Room name 150 SF
FINISH TAG:	CEILING WALL BASE FLOOR
EQUIPMENT & ACCESSORY TAG:	TA 01
NOT IN PROJECT SCOPE:	

KEYNOTES

- PROVIDE NEW DOOR
- EXTERIOR DOOR TO BE PAINTED
- REPAIR LEAK IN MARQUEE THROUGH REMOVAL OF ROOFTOP A/C UNIT
- CONCESSION STAND TO BE REPLACED WITH ADA FAMILY BATHROOMS
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- ENSURE NO GRADE CHANGE AT DOOR; PROVIDE RAMP AS NECESSARY
- PROVIDE CAM LOCK ON ALL ELECTRICAL PANELS
- PROVIDE BURIED CONDUIT TO PEET'S BUILDING
- PROVIDE POWER TO STAGE AS REQUIRED BY OWNER
- PROVIDE NEW PAINT AND LIGHTING; FURNITURE PROVIDED BY OWNER
- PROVIDE POWER TO STAGE; 30 AMP QUAD
- PROVIDE MULTIPLE QUAD BOXES AT UPSTAGE WALL
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- ENSURE GENIE LIFT ACCESS TO THEATER
- DOUBLE SIDED HYDRAULIC ELEVATOR
- DRINKING FOUNTAIN STATION
- TICKET BOOTH WINDOW

- CONCESSION WINDOW
- WALL MOUNTED BENCH
- "ROYAL" BOOTH SEATING
- SHIP LADDER TO CATWALK
- COMMUNITY TABLE, OWNER PROVIDED
- WALL MOUNTED COUNTERTOP, SEE ELEVATIONS AND DETAILS
- 33" UPRIGHT REFRIGERATOR WITH ICEMAKER
- PROVIDE LINEAR SCONCES FIXTURES AS REQ'D
- HVAC CHASE, SEE MECH
- STUD ON SIDE WALL FOR HALLWAY CLEARANCE
- INFILL BRICK WALL W/ STONE FACIA
- MOP SINK
- THREE-BAY SINK
- HANDWASHING SINK
- TRADITIONAL BULB LIGHTS AT EDGE OF STAGE
- MODIFY TICKET BOOTH FOR 5' CLEARANCE TO STAIRWELL
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- STATIC STEELCATWALK W/ HANDRAILS, SEE STRUC
- PORTION OF STAGE FROM COLUMN LINE 7 TO COLUMN LINE 5.1 TO BE WOOD FLOORING ON SLEEPERS ABOVE NEW CONCRETE SLAB, SEE STRUC
- FIRE RISER CLOSET



① THEATER ENLARGED PLAN
1/4" = 1'-0"

PLAN NOTES

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GRAPHICS SYMBOLS
LEGEND

WALL TYPE TAG: 1A

DOOR TAG: XXXX

WINDOW TAG: 1I

STROEFRONT TAG: STF - XX

ELEVATION MARKER: +0'-0"

KEYNOTE TAG: 1

ROOM TAG: X.XXXX
Room name
150 SF

CEILING WALL BASE FLOOR

FINISH TAG: TA 01

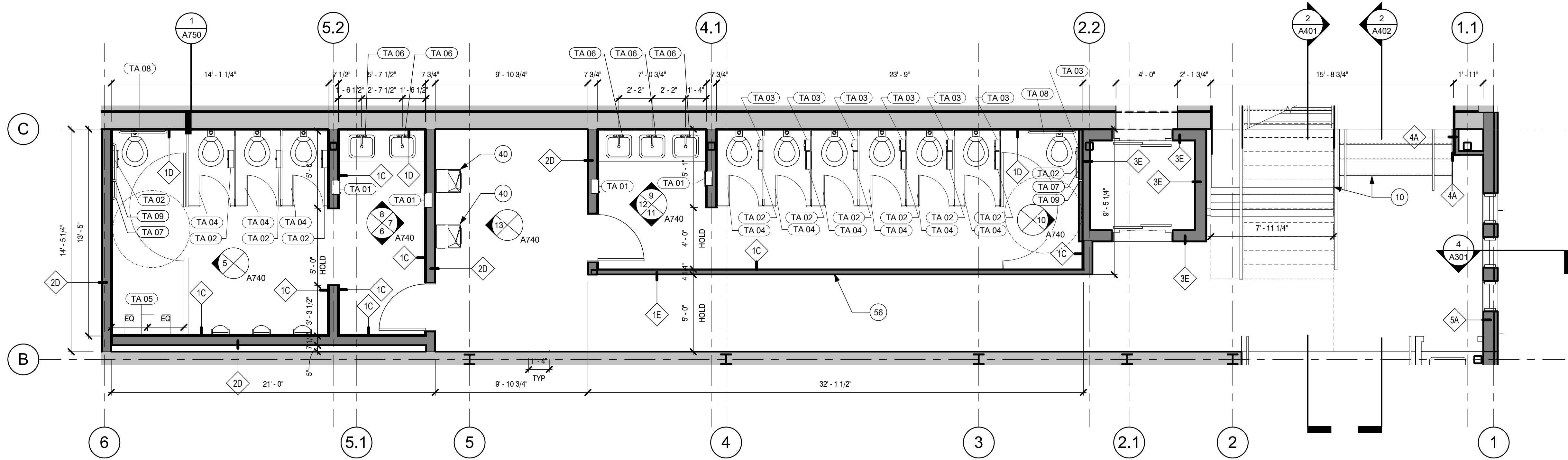
EQUIPMENT & ACCESSORY TAG: TA 01

NOT IN PROJECT SCOPE:

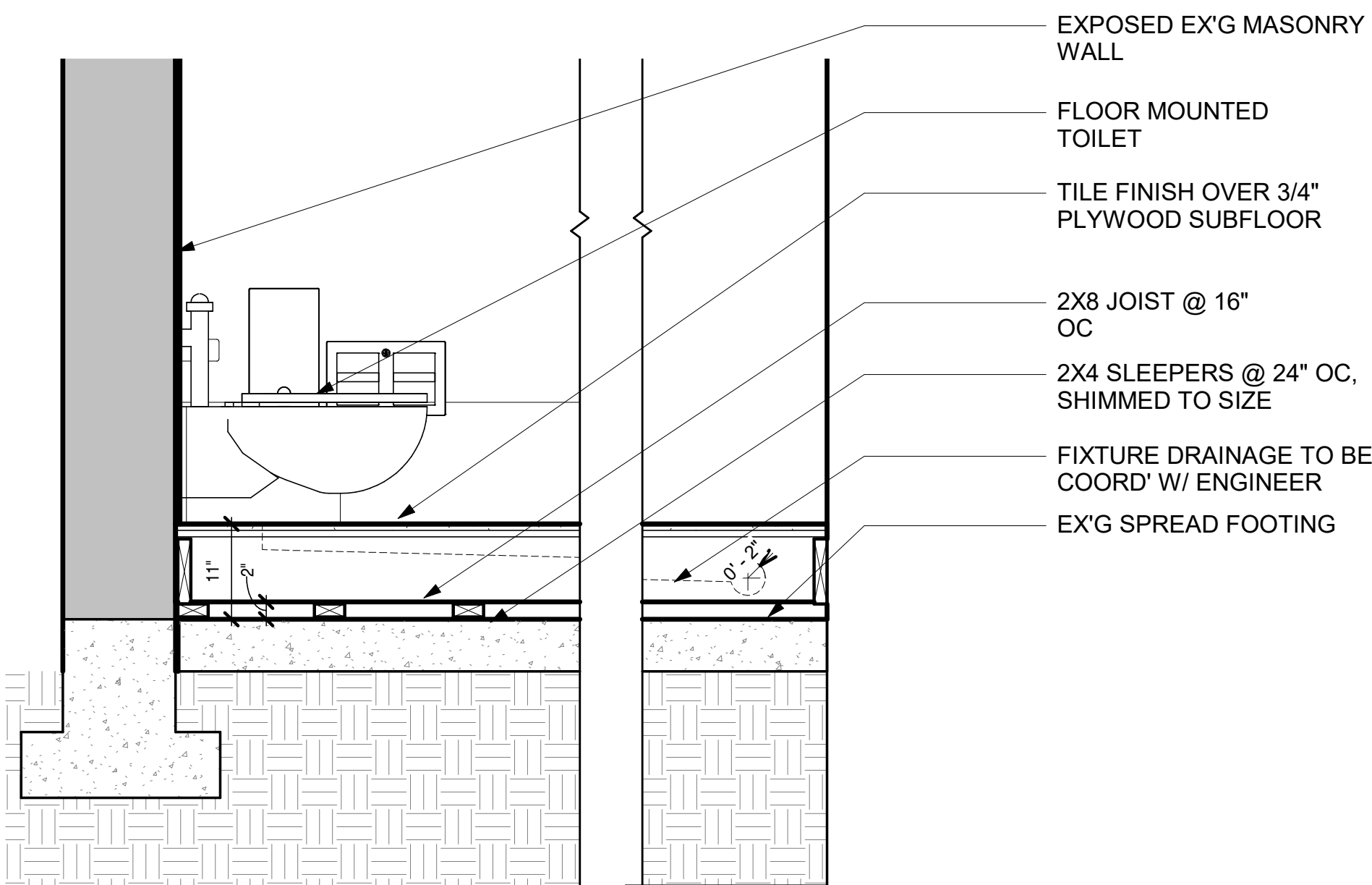
KEYNOTES

- PROVIDE NEW DOOR
- EXTERIOR DOOR TO BE PAINTED
- REPAIR LEAK IN MARQUEE THROUGH REMOVAL OF ROOFTOP A/C UNIT
- CONCESSION STAND TO BE REPLACED WITH ADA FAMILY BATHROOMS
- EXISTING COUNTER TO BE RE-COVERED IN NEW FINISH
- LIFT AND REPLACE CEILING UNDER BALCONY AS REQUIRED
- REPAIR/REPLACE THEATER CEILING AS REQUIRED
- NEW MASONRY OPG AND GLAZING
- INSTALL NEW STAIRS AND HANDRAIL
- PAINT HALLWAY AND STAIRWELL TO BALCONY
- REPAIR/REPLACE CEILING IN HALLWAY AND STAIRWELL TO BALCONY
- REMOVE WALL AROUND EX'G STRUC COLUMN
- ADD LOAD BEARING BEAMS AT CEILING FOR TOURS LIGHTING
- ADD STAGE LIGHTS AT CEILING
- PROVIDE POWER AT FOH AREA; COORDINATE REQUIREMENTS WITH OWNER
- REVIEW SOUND WINGS WITH OWNER
- INSTALL OWNER PROVIDED SEATS; COORDINATE MODIFICATIONS AS NECESSARY
- PROVIDE FLOOR TROUGH FOR 6" CONDUIT
- FLANKING STAGE WALLS TO BE CMU UP TP HEIGHT OF STAGE AND FRAMED ABOVE WITH SOUND BOARD APPLIED TO EXISTING SUBSTRATE
- FLANKING STAGE STAIRS REPLACED AS NEEDED
- PROVIDE ADDITIONAL LIGHTING AT LOADING BAY
- PORTION OF STAGE IN FRONT OF COLUMN LINE 5.1 TO BE WOOD FRAMED AND SPRINKLED BELOW
- ADD PA POINTS ON BOTH SIDES OF STAGE
- ADD LOAD BEARING BEAMS ABOVE STAGE; VERIFY QUANTITY WITH OWNER IN FIELD
- ENSURE NO GRADE CHANGE AT DOOR; PROVIDE RAMP AS NECESSARY
- PROVIDE CAM LOCK ON ALL ELECTRICAL PANELS
- PROVIDE BURIED CONDUIT TO PEET'S BUILDING
- PROVIDE POWER TO STAGE AS REQUIRED BY OWNER
- PROVIDE NEW PAINT AND LIGHTING; FURNITURE PROVIDED BY OWNER
- PROVIDE POWER TO STAGE; 30 AMP QUAD
- PROVIDE MULTIPLE QUAD BOXES AT UPSTAGE WALL
- PROVIDE POWER ON GREEN ROOM WALLS
- ENSURE GENIE LIFT ACCESS TO THEATER
- DOUBLE SIDED HYDRAULIC ELEVATOR
- VERTICAL ADA LIFT WITH 42" CLEAR LANDING
- DRINKING FOUNTAIN STATION
- TICKET BOOTH WINDOW
- CONCESSION WINDOW
- WALL MOUNTED BENCH
- "ROYAL" BOOTH SEATING
- SHIP LADDER TO CATWALK
- COMMUNITY TABLE, OWNER PROVIDED
- WALL MOUNTED COUNTERTOP, SEE ELEVATIONS AND DETAILS
- 33" UPRIGHT REFRIDGERATOR WITH ICEMAKER
- PROVIDE LINEAR SCONCES FIXTURES AS REQ'D
- HVAC CHASE, SEE MECH
- STUD ON SIDE WALL FOR HALLWAY CLEARANCE
- INFILL BRICK WALL W/ STONE FACIA
- MOP SINK
- THREE-BAY SINK
- HANDWASHING SINK
- TRADITIONAL BULB LIGHTS AT EDGE OF STAGE
- MODIFY TICKET BOOTH FOR 5' CLEARANCE TO STAIRWELL
- STATIC STEEL RIGGING GRID, SEE STRUC
- STATIC STEEL CATWALK W/ HANDRAIL'S. SEE STRUC
- PORTION OF STAGE FROM COLUMN LINE 7 TO COLUMN LINE 5.1 TO BE WOOD FLOORING ON SLEEPERS ABOVE NEW CONCRETE SLAB, SEE STRUC
- FIRE RISER CLOSET

A100 - PLAN NOTES 24X36 HORIZONTAL
12" = 1'-0"



PNC ENLARGED PLAN
1/4" = 1'-0"



TOILET ACCESSORIES SCHEDULE					
I.D.	DESCRIPTION	MANUFACTURER MODEL #	MOUNTING HEIGHT	FURN. / INSTALL	COMMENTS
TA 01	RECESSED PAPER TOWEL DISPENSER AND TRASH RECEPTACLE	BOBRICK: B-3803	SEE ELEVATIONS	CFCI	STAINLESS STEEL FINISH
TA 02	PARTITION MOUNTED TOILET PAPER DISPENSER	BOBRICK: B-3588	SEE G002	CFCI	STAINLESS STEEL FINISH, DUAL ROLL
TA 03	PARTITION SANITARY NAPKIN DISPOSAL	BOBRICK: B-35139	SEE G002	CFCI	STAINLESS STEEL FINISH
TA 04	PARTITION MOUNTED COAT HOOK	BRADLEY, INCLUDED IN PARTITION SYSTEM	SEE G002	CFCI	STAINLESS STEEL FINISH
TA 05	RECESSED BABY CHANGING STATION	KOALA KARE KB110-SSRE	SEE ELEVATIONS	CFCI	STAINLESS STEEL FINISH
TA 06	DECK MOUNTED MOTION ACTIVATED SOAP DISPENSER	BRADLEY, VERGE, METRO 6-3300	2'-10" AFF	CFCI	BLACK STAINLESS STEEL FINISH
TA 07	GRAB BAR- 42"	BOBRICK: B-9806x42	SEE G002	CFCI	STAINLESS STEEL FINISH
TA 08	GRAB BAR - 36"	BOBRICK: B-9806x36	SEE G002	CFCI	STAINLESS STEEL FINISH
TA 09	GRAB BAR - 18"	BOBRICK: B-9806x18	SEE G002	CFCI	STAINLESS STEEL FINISH

A New Construction Project:

MSCCM - Ellis Theater Renovation

Project Site Address:
311 Byrd Ave,
Philadelphia, MS
39350

DAAD Project Number:
197852

No: 01 CD SET
2 Revision 1

08/11/21
08/23/21

Drawing:

ENLARGED PNC PLAN

A101-C

Dryden

2520 White Avenue
Nashville, TN 37204
615.248.3223
dryden.studio



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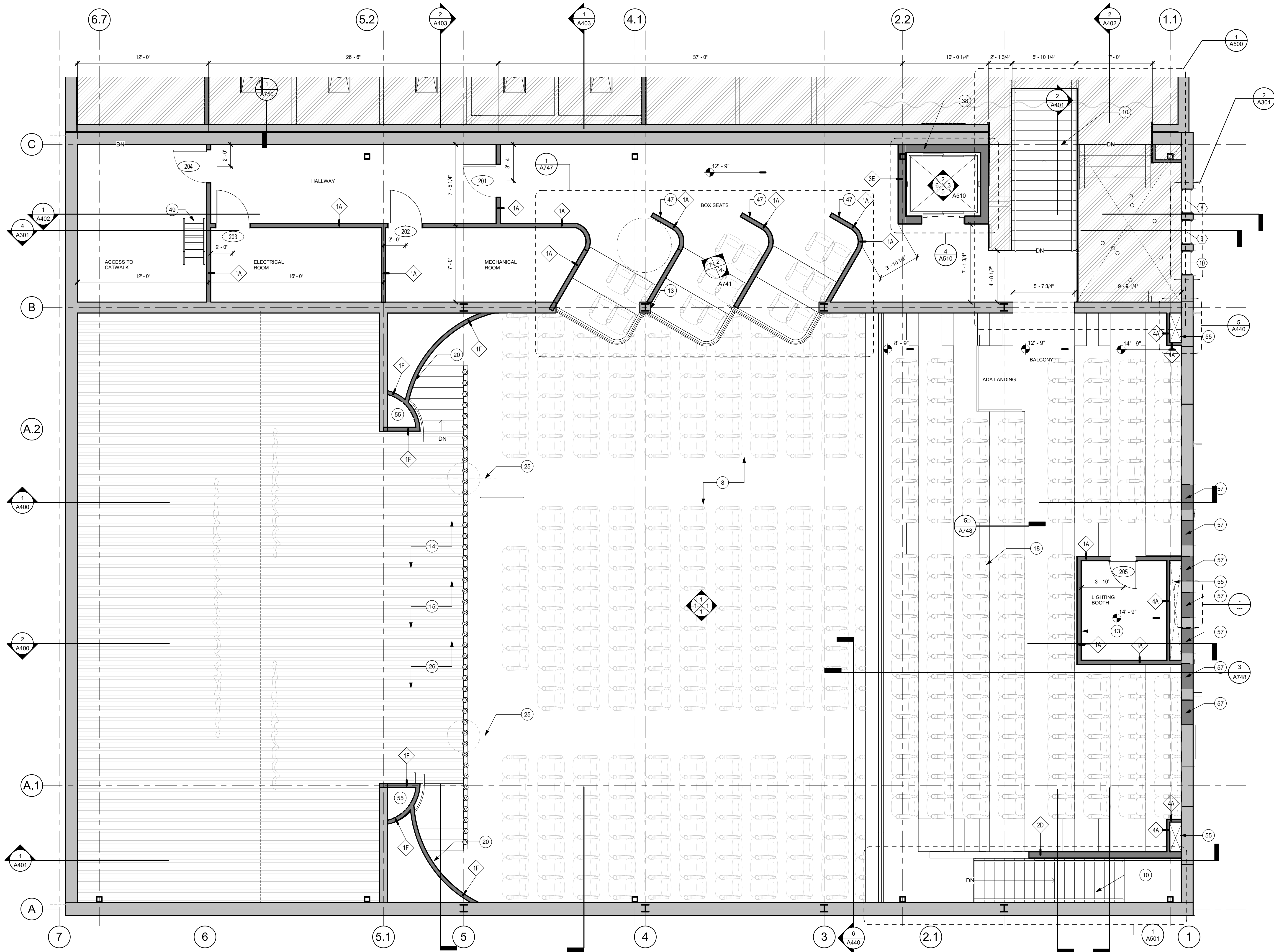
No: 01 CD SET

08/11/21

Drawing:

ARCHITECTURAL
BALCONY FLOOR PLAN

A102



① LEVEL 2 OVERALL PLAN
1/4" = 1'-0"

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Do not scale drawings - consult Architect.

PLAN NOTES	
1.	REFER TO GENERAL NOTES SHEET FOR GENERAL CONDITIONS AND REQUIREMENTS FOR ALL CONSTRUCTION.
2.	CONTRACTOR TO PERFORM THE WORK OUTLINED IN THESE NOTES IN ALL AREAS OF CONSTRUCTION UNLESS NOTED OTHERWISE IN THESE DOCUMENTS.
3.	REFER TO GENERAL NOTES SHEET DIMENSION NOTES. UNLESS OTHERWISE INDICATED, DIMENSIONS SHOWN ON ARCHITECTURAL NEW CONSTRUCTION FLOOR PLANS ARE TO THE FACE OF STUD WALLS, TO CENTERLINE OF COLUMNS AND TO FACE OF CONCRETE OR MASONRY WALLS. "OFOS" = OUTSIDE FACE OF STUD. "OFOC" = OUTSIDE FACE OF COLUMN. "FOF" = FACE OF FINISH.
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6.	ALL MECHANICAL, PLUMBING, ELECTRICAL, SECURITY, UTILITY, TELEVISION, TELEPHONE AND OTHER AUDIO / VISUAL EQUIPMENT AND FURNISHINGS SHALL BE INSTALLED SO AS TO NOT BE IN CONFLICT WITH ANY WINDOW, DOOR OR ACCESSIBLE ROUTE, TYP.
GENERAL NOTES	
1.	THEATER LIGHTING TO BE COORDINATED WITH OWNER, INCLUDING LEKOS REPLACEMENT
2.	OWNER TO PROVIDE LIGHTING CONSOLE AND DMX UNIVERSE
3.	PROVIDE MOTORS FOR FOH WASH
4.	REVIEW FULL MECHANICAL SYSTEM WITH OWNER AND ARCHITECT IN FIELD
5.	ARCHITECT AND/OR OWNER TO PROVIDE DIRECTION FOR HOUSE LIGHTS AND DECORATIVE LIGHTS THROUGHOUT
6.	WI-FI TO BE PROVIDED THROUGHOUT BUILDING
7.	PROVIDE CAT6 OR CAT5 FOR LIGHTING AND VIDEO
8.	OWNER TO PROVIDE YELLOW JACKET CABLE RAMPS
9.	RAISE CEILING AGAINST VACK WALL ABOVE SEATS
10.	PROVIDE 2 COVES OF LIGHTING; LOCATE AT LOCATION OF EXISTING LIGHTS AND ABOVE BALCONY RAIL
11.	ARCHITECT AND/OR OWNER TO PROVIDE DIRECTION FOR EXTERIOR FINISHES
12.	VERIFY IN FIELD FEASIBILITY OF NEW EXTERIOR OPENINGS; COORDINATE WITH OWNER AND/OR ARCHITECT PRIOR TO DIVERTING FROM DRAWINGS

GRAPHICS SYMBOLS	
LEGEND	
WALL TYPE TAG:	
DOOR TAG:	
WINDOW TAG:	
STROEFRONT TAG:	
ELEVATION MARKER:	
KEYNOTE TAG:	
ROOM TAG:	
FINISH TAG:	
EQUIPMENT & ACCESSORY TAG:	
NOT IN PROJECT SCOPE:	

KEYNOTES					
1	PROVIDE NEW DOOR	20	FLANKING STAGE WALLS TO BE CMU UP TP HEIGHT OF STAGE AND FRAMED ABOVE WITH SOUND BOARD APPLIED TO EXISTING SUBSTRATE	40	DRINKING FOUNTAIN STATION
2	EXTERIOR DOOR TO BE PAINTED			41	TICKET BOOTH WINDOW
3	REPAIR LEAK IN MARQUEE THROUGH REMOVAL OF ROOFTOP A/C UNIT	21	FLANKING STAGE STAIRS REPLACED AS NEEDED	42	CONCESSION WINDOW
4	CONCESSION STAND TO BE REPLACED WITH ADA FAMILY BATHROOMS	23	PROVIDE ADDITIONAL LIGHTING AT LOADING BAY	43	WALL MOUNTED BENCH
6	EXISTING COUNTER TO BE RE-COVERED IN NEW FINISH	24	PORTION OF STAGE IN FRONT OF COLUMN LINE 5.1 TO BE WOOD FRAMED AND SPRINKLED BELOW	47	"ROYAL" BOOTH SEATING
7	LIFT AND REPLACE CEILING UNDER BALCONY AS REQUIRED	25	ADD PA POINTS ON BOTH SIDES OF STAGE	49	SHIP LADDER TO CATWALK
8	REPAIR/REPLACE THEATER CEILING AS REQUIRED	26	ADD LOAD BEARING BEAMS ABOVE STAGE; VERIFY QUANTITY WITH OWNER IN FIELD	50	COMMUNITY TABLE, OWNER PROVIDED
9	NEW MASONRY OP'G AND GLAZING			51	WALL MOUNTED COUNTERTOP, SEE ELEVATIONS AND DETAILS
10	INSTALL NEW STAIRS AND HANDRAIL	27	ENSURE NO GRADE CHANGE AT DOOR; PROVIDE RAMP AS NECESSARY	52	33" UPRIGHT REFRIDGERATOR WITH ICEMAKER
11	PAINT HALLWAY AND STAIRWELL TO BALCONY	28	PROVIDE CAM LOCK ON ALL ELECTRICAL PANELS	54	PROVIDE LINEAR SCONCES FIXTURES AS REQ'D
12	REPAIR/REPLACE CEILING IN HALLWAY AND STAIRWELL TO BALCONY	29	PROVIDE BURIED CONDUIT TO PEET'S BUILDING	55	HVAC CHASE, SEE MECH
13	REMOVE WALL AROUND EX'G STRUC COLUMN	30	PROVIDE POWER TO STAGE AS REQUIRED BY OWNER	56	STUD ON SIDE WALL FOR HALLWAY CLEARANCE
14	ADD LOAD BEARING BEAMS AT CEILING FOR TOURS LIGHTING	31	PROVIDE NEW PAINT AND LIGHTING; FURNITURE PROVIDED BY OWNER	57	INFILL BRICK WALL W/ STONE FACIA
15	ADD STAGE LIGHTS AT CEILING			58	MOP SINK
16	PROVIDE POWER AT FOH AREA; COORDINATE REQUIREMENTS WITH OWNER	32	PROVIDE POWER TO STAGE; 30 AMP QUAD	59	THREE-BAY SINK
17	REVIEW SOUND WINGS WITH OWNER	33	PROVIDE MULTIPLE QUAD BOXES AT UPSTAGE WALL	60	HANDWASHING SINK
18	INSTALL OWNER PROVIDED SEATS; COORDINATE MODIFICATIONS AS NECESSARY	34	PROVIDE POWER ON GREEN ROOM WALLS	61	TRADITIONAL BULB LIGHTS AT EDGE OF STAGE
19	PROVIDE FLOOR TROUGH FOR 6" CONDUIT	36	ENSURE GENIE LIFT ACCESS TO THEATER	62	MODIFY TICKET BOOTH FOR 5' CLEARANCE TO STAIRWELL
		38	DOUBLE SIDED HYDRAULIC ELEVATOR	63	STATIC STEEL RIGGING GRID, SEE STRUC
		39	VERTICAL ADA LIFT WITH 42" CLEAR LANDING	64	STATIC STEELCATWALK W/ HANDRAILS, SEE STRUC
				65	PORTION OF STAGE FROM COLUMN LINE 7 TO COLUMN LINE 5.1 TO BE WOOD FLOORING ON SLEEPERS ABOVE NEW CONCRETE SLAB, SEE STRUC
				67	FIRE RISER CLOSET

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No: 01	CD SET	08/11/21
2	Revision 1	08/23/21

Drawing:

BALCONY FLOOR PLAN
NOTES

A102-A

Dryden

2520 White Avenue
Nashville, TN 37204

615.248.3223
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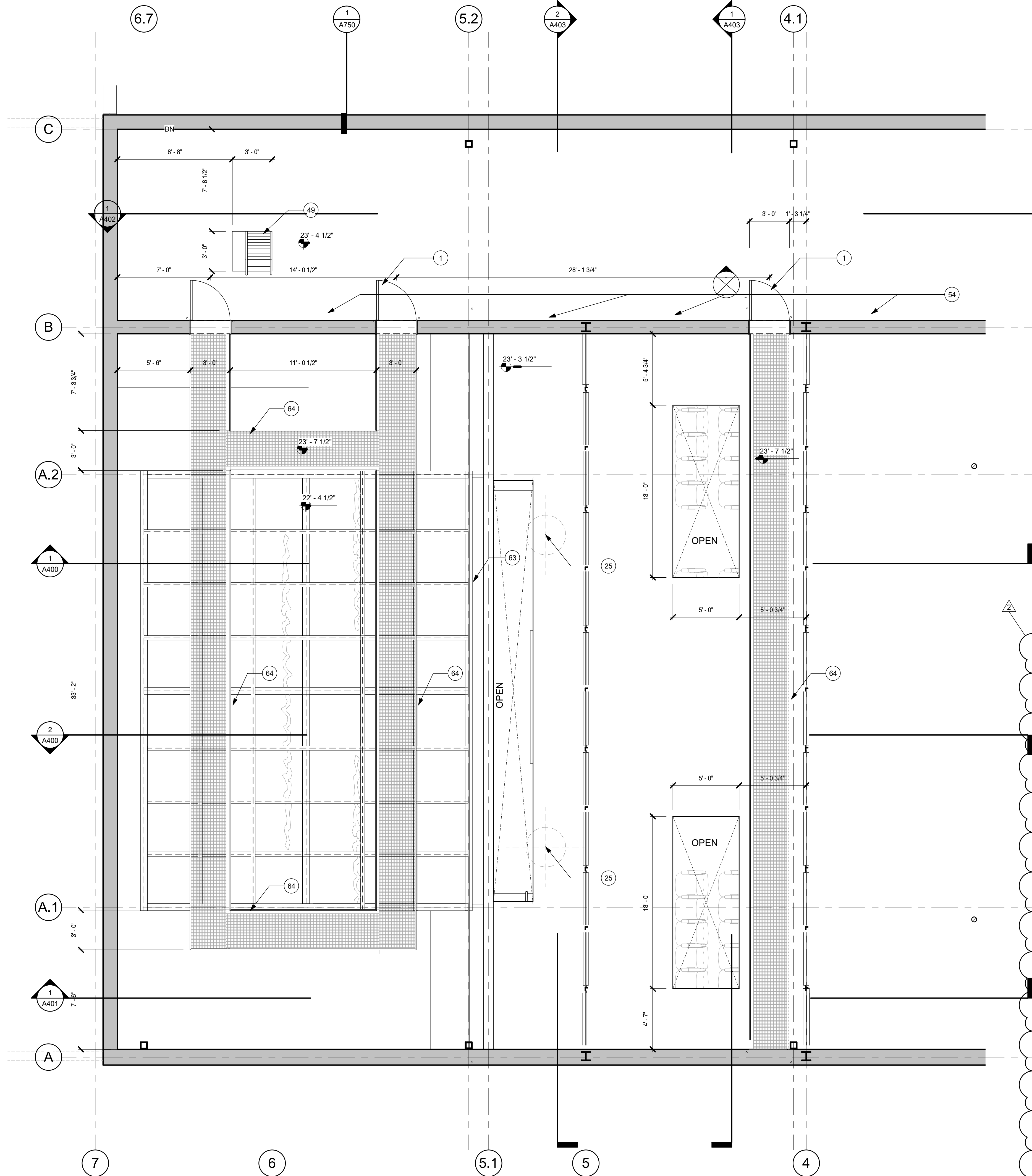
No: 01 CD SET
2 Revision 1

08/11/21
08/23/21

Drawing:

ARCHITECTURAL
CATWALK PLAN

A103



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GRAPHICS SYMBOLS LEGEND

- WALL TYPE TAG: 1A
- DOOR TAG: XXXX
- WINDOW TAG: 1I
- STROEFRONT TAG: STF-XX
- ELEVATION MARKER: +0'-0"
- KEYNOTE TAG: 1
- ROOM TAG: X-XXXX
Room name
150 SF
- FINISH TAG: CEILING
WALL
BASE
FLOOR
- APPLIANCE TAG: TA 01
- ACCESSORIES TAG: AC 01
- NOT IN PROJECT SCOPE:

KEYNOTES

- PROVIDE NEW DOOR
- EXTERIOR DOOR TO BE PAINTED
- REPAIR LEAK IN MARQUEE THROUGH REMOVAL OF ROOFTOP A/C UNIT
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MSCCM - Ellis Theater Renovation

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DAAD Project Number:
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No: 01 CD SET

08/11/21

Drawing:

ROOF PLAN

A104

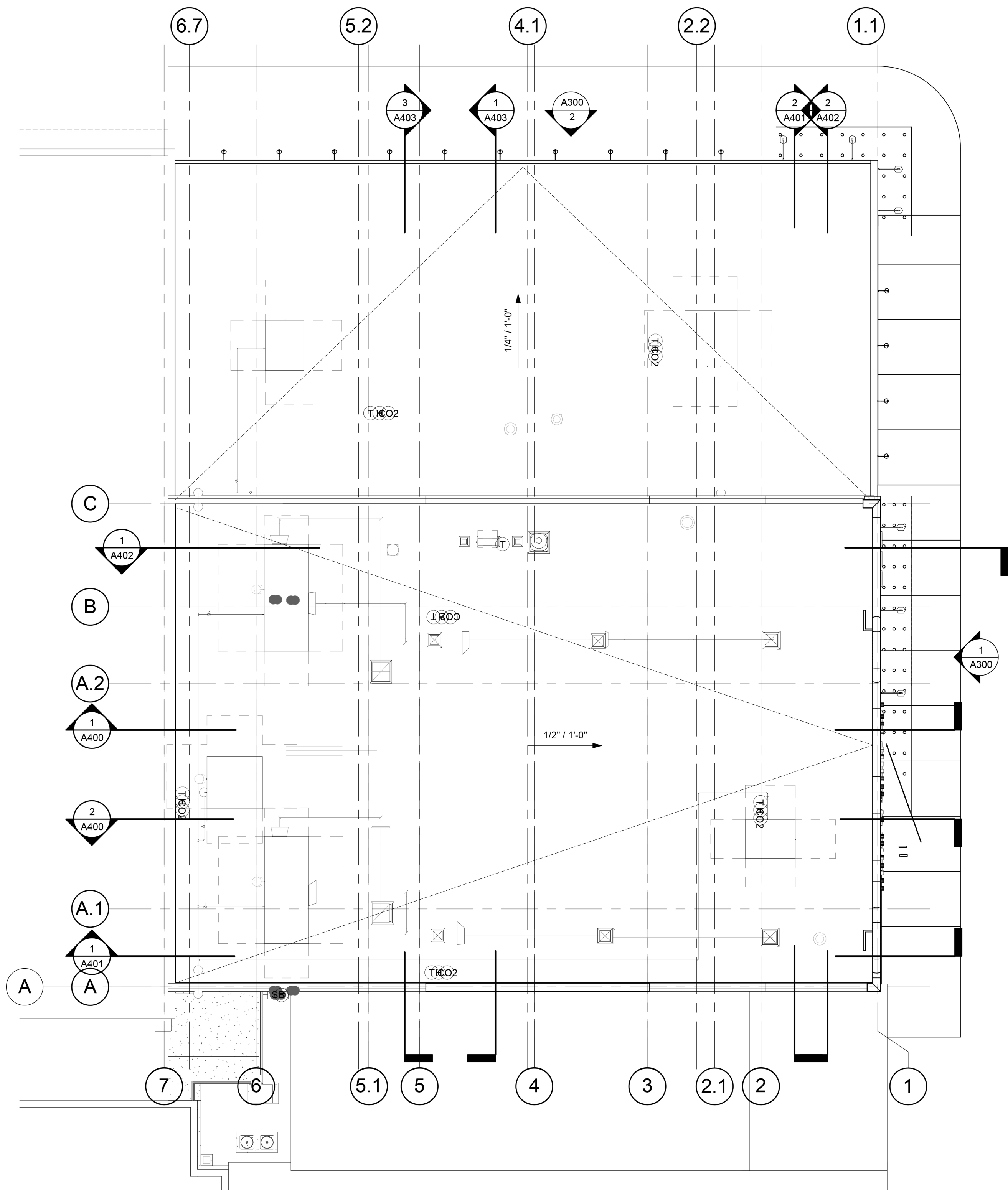
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Room name
150 SF
- FINISH TAG: CEILING
WALL
BASE
FLOOR
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- NOT IN PROJECT SCOPE:

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 - FLANKING STAGE STAIRS REPLACED AS NEEDED
 - PROVIDE ADDITIONAL LIGHTING AT LOADING BAY
 - REINFORCE STAGE THROUGHOUT AS REQUIRED FOR DESIRED LOAD
 - ADD PA POINTS ON BOTH SIDES OF STAGE
 - ADD LOAD BEARING BEAMS ABOVE STAGE; VERIFY QUANTITY WITH OWNER IN FIELD
 - ENSURE NO GRADE CHANGE AT DOOR; PROVIDE RAMP AS NECESSARY
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 - COMMUNITY TABLE, OWNER PROVIDED
 - WALL MOUNTED COUNTERTOP, SEE ELEVATIONS AND DETAILS

- GENERAL NOTES
- THEATER LIGHTING TO BE COORDINATED WITH OWNER, INCLUDING LEKOS REPLACEMENT
 - OWNER TO PROVIDE LIGHTING CONSOLE AND DMX UNIVERSE
 - PROVIDE MOTORS FOR FOH WASH
 - REVIEW FULL MECHANICAL SYSTEM WITH OWNER AND ARCHITECT IN FIELD
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 - PROVIDE CAT6 OR CAT5 FOR LIGHTING AND VIDEO
 - OWNER TO PROVIDE YELLOW JACKET CABLE RAMPS
 - RAISE CEILING AGAINST VACK WALL ABOVE SEATS
 - PROVIDE 2 COVES OF LIGHTING; LOCATE AT LOCATION OF EXISTING LIGHTS AND ABOVE BALCONY RAIL
 - ARCHITECT AND/OR OWNER TO PROVIDE DIRECTION FOR EXTERIOR FINISHES
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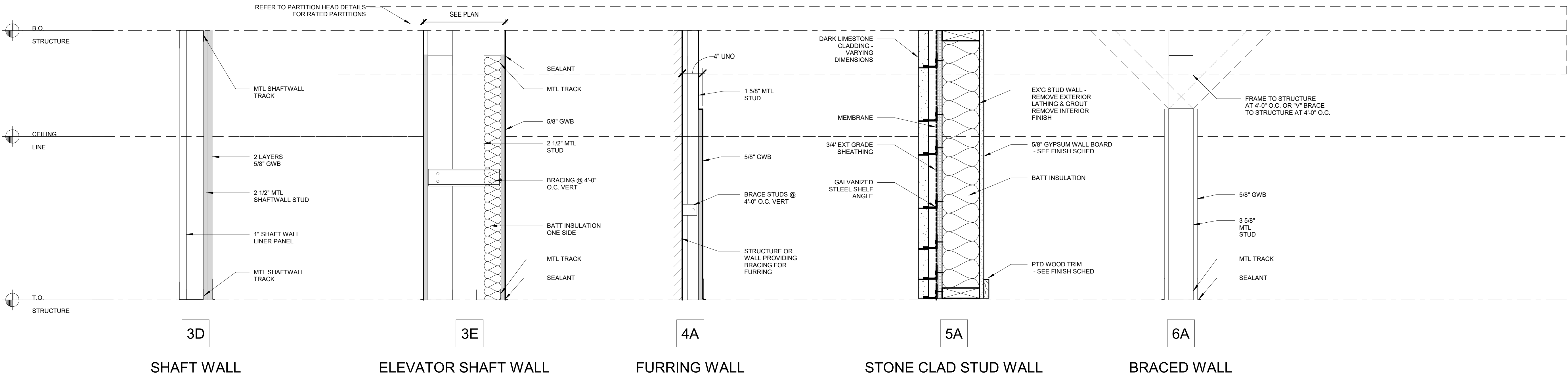
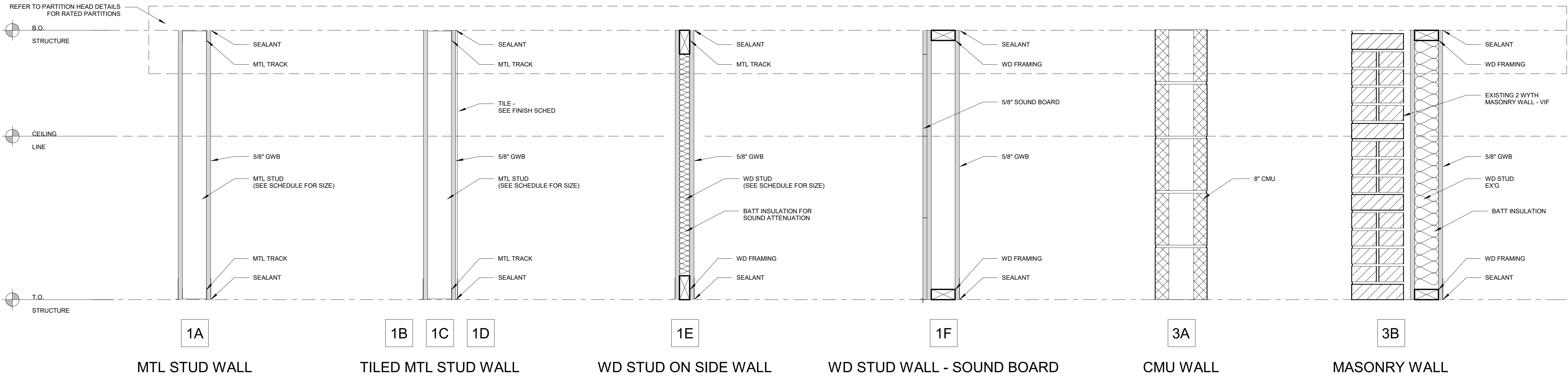


1 ROOF PLAN
3/32" = 1'-0"

Dryden

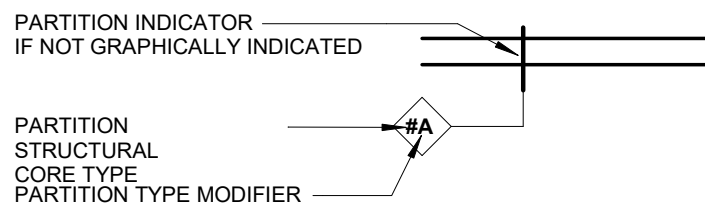
2520 White Avenue
Nashville, TN 37204

615.248.3223
dryden.studio



WALL LEGEND

LEGEND



NOTE

- METAL STUD PARTITIONS ARE BASED ON DESIGN INFORMATION FROM THE STEEL STUD MANUFACTURERS ASSOCIATION'S PRODUCT TECHNICAL INFORMATION AND A DEFLECTION LIMIT OF L/240 AT 5 PSF CONSTANT AIR PRESSURE.
- SHAFTWALL, CHASEWALL AND FURRING ARE BASED ON DESIGN INFORMATION FROM USG'S PUBLICATIONS SA923 AND SA926 AND A DEFLECTION LIMIT OF L/240 AT 5 PSF CONSTANT AIR PRESSURE.
- IF LIMITING HEIGHTS FOR ANY PARTITION AS SPECIFIED AND DETAILED EXCEEDS PROJECT CONDITIONS, PROVIDE MANUFACTURER'S STANDARD THICKNESS (GAUGE) THAT MEETS OR EXCEEDS THE LIMITING HEIGHT PERFORMANCE FOR THE FRAMING DEPTH AND SPACING INDICATED.
- ANY PARTITION NOT DESIGNATED GRAPHICALLY OR BY PARTITION TYPE SYMBOL SHALL BE PARTITION TYPE A.

A New Construction Project:

MSCCM - Ellis Theater Renovation

Project Site Address:
311 Byrd Ave,
Philadelphia, MS
39350

DAAD Project Number:
197852

No: 01 CD SET

08/11/21

Drawing:

WALL TYPES

A200

8/7/2018

BXUV/U419 - Fire-resistance Ratings - ANSI/UL 263

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Design No. U419
BXUV.U419
Fire-resistance Ratings - ANSI/UL 263

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Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted for assistance by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States
BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

[See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States Design Criteria and Allowable Variances](#)

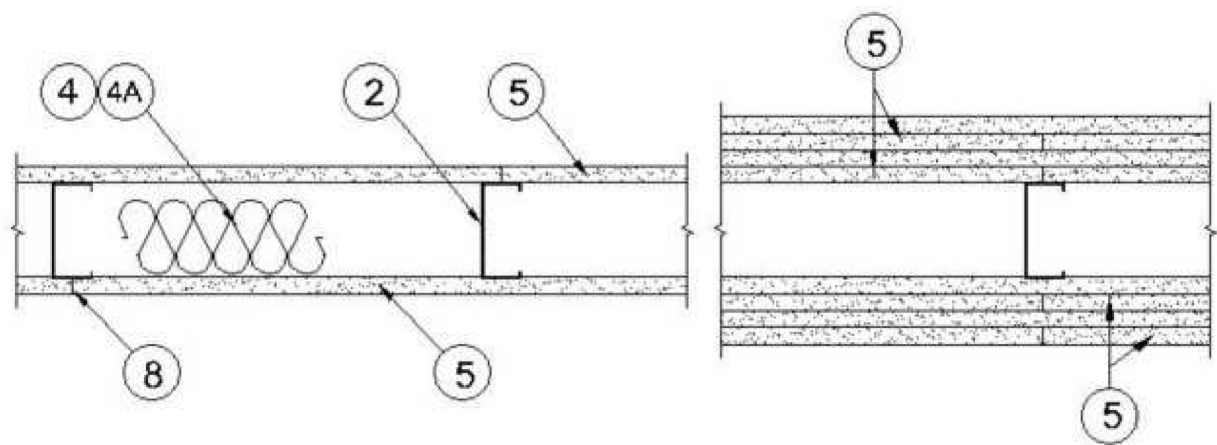
[See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada Design Criteria and Allowable Variances](#)

Design No. U419

July 12, 2018

Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr (See Items 4 & 5 through 5K)

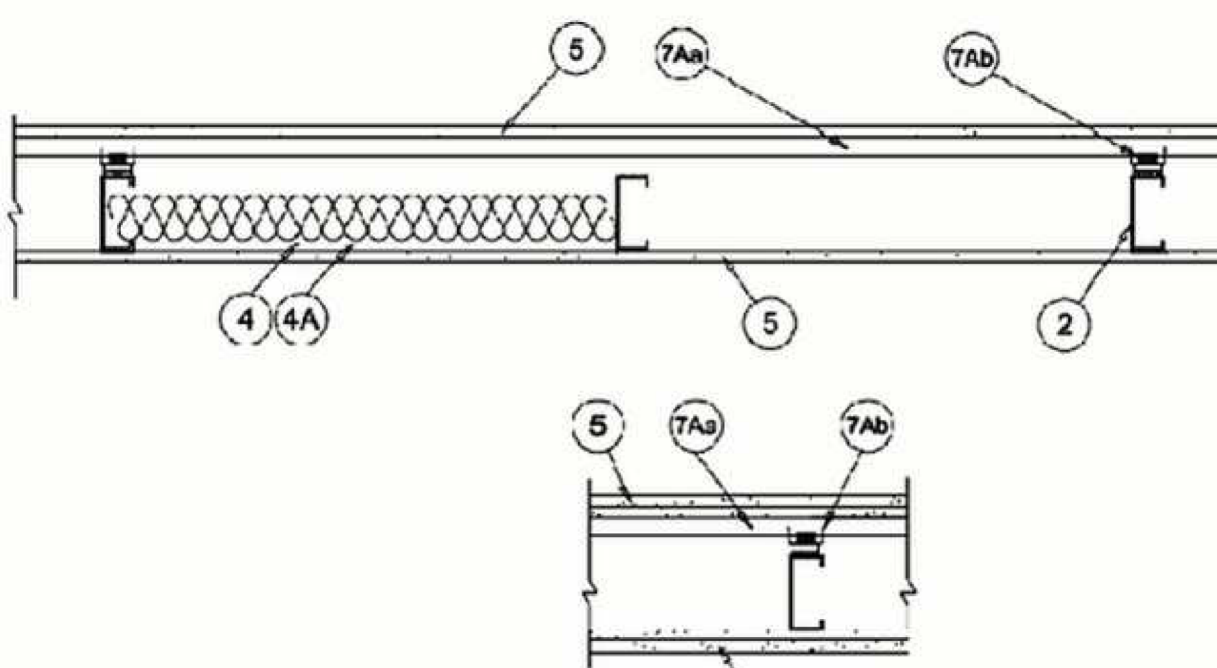
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



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1. Floor and Ceiling Runners — (Not Shown) — For use with Item 2 — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth to accommodate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

1A. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2B, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25™ Track

CRACO MFG INC — SmartTrack25™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper25™ Track

FUSION BUILDING PRODUCTS — Viper25™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper25™ Track

1B. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2C, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™ Track

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

FUSION BUILDING PRODUCTS — Viper20™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track

1C. Framing Members* — Floor and Ceiling Runners — (Not Shown) — In lieu of Item 1 — Channel shaped, attached to floor and ceiling with fasteners 24 in. OC. max.

ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME Framing System

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CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME Framing System

UNITED METAL PRODUCTS INC — Type SUPREME Framing System

1D. Floor and Ceiling Runners — (Not Shown) — For use with Item 2A — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC.

1E. Framing Members* — Floor and Ceiling Runners — (Not Shown, As an alternate to Item 1) — For use with Items 2E, 5F or 5G or 5I only, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC. max.

CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK

DMFCWBS L L C — ProTRAK

MBA METAL FRAMING — ProTRAK

RAM SALES L L C — Ram ProTRAK

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProTRAK

1F. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2F, proprietary channel shaped runners, minimum width to accommodate stud size, with 1- 3/8 in. long legs fabricated from min 0.015 in. (min bare metal thickness) galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

SUPER STUD BUILDING PRODUCTS — The Edge

1G. Framing Members* — Floor and Ceiling Runner — For use with Item 2G, proprietary channel shaped runners, minimum width to accommodate stud size attached to floor and ceiling with fasteners 24 in. OC max.

STUDCO BUILDING SYSTEMS — CROCSTUD Track

1H. Floor and Ceiling Runners — (Not Shown) — Channel shaped, fabricated from min 0.02 in. galv steel, min width to accommodate stud size, with min 1 in. long legs, for use with studs specified below and fabricated from min 0.018 in. galv steel or thicker, attached to floor and ceiling with fasteners spaced max 24 in. OC.

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track VT100

FUSION BUILDING PRODUCTS — Viper20™ Track VT100

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track VT100

1I. Framing Members* — Floor and Ceiling Runners — (Not Shown, As an alternate to Item 1) — For use with Items 2H, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC. max.

TELLING INDUSTRIES L L C — TRUE-TRACK™

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1J. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2I, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.

TELLING INDUSTRIES L L C — Viper25™ Track

1K. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2J, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

TELLING INDUSTRIES L L C — Viper20™ Track

1L. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2N, proprietary channel shaped runners, 1-1/4 in. wide by min. 3-1/2 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

STEEL INVESTMENT GROUP L L C — AlphaTRAK

1M. Framing Members* — Floor and Ceiling Runners — Not Shown — As an alternate to Item 1 — For use with Item 2O, proprietary channel shaped runners, min width to accommodate stud size, galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

RONDO BUILDING SERVICES PTY LTD — Rondo Wall Track

1N. Framing Members* — Floor and Ceiling Runners — Not Shown — As an alternate to Item 1 — For use with Item 2P, proprietary channel shaped runners, min width to accommodate stud size, galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

OEG BUILDING MATERIALS — OEG Track

1O. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2Q, proprietary channel shaped runners, min width to accommodate stud size, fabricated from min. 25 MSG (0.018 in. min. bare metal thickness), attached to floor and ceiling with fasteners spaced 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper X Track

2. Steel Studs — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

2A. Steel Studs — (As an alternate to Item 2, For use with Items 5B, 5E, 5H, 5J and 5K) — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

2B. Framing Members* — Steel Studs — (As an alternate to Item 2, For use with Items 5C, 5I or 5K) — Proprietary channel shaped studs, 3-5/8 in. deep spaced a max of 24 in. OC. Studs to be cut 3/4 in less than the assembly height and installed with a 1/2 in. gap between the end of the stud and track at the bottom of the wall. For direct attachment of gypsum board only.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25™

CRACO MFG INC — SmartStud25™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper25™

FUSION BUILDING PRODUCTS — Viper25™

IMPERIAL MANUFACTURING GROUP INC — Viper25™

2C. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™

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FUSION BUILDING PRODUCTS — Viper20™

IMPERIAL MANUFACTURING GROUP INC — Viper20™

2D. Framing Members* — Steel Studs — In lieu of Item 2 — Channel shaped studs, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME Framing System

UNITED METAL PRODUCTS INC — Type SUPREME Framing System

2E. Framing Members* — Steel Studs — (Not Shown, As an alternate to Item 2) — For use with Items 5F or 5G or 5I or 5K only, channel shaped studs, min depth as indicated under Item 5F, 5G or 5I, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD

DMFCWBS L L C — ProSTUD

MBA METAL FRAMING — ProSTUD

RAM SALES L L C — Ram ProSTUD

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProSTUD

2F. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, minimum width indicated under Item 5, 1-1/4 in. deep fabricated from min 0.015 in. (min bare metal thickness) galvanized steel. Studs 3/8 in. to 3/4 in. less in lengths than assembly heights.

SUPER STUD BUILDING PRODUCTS — The Edge

2G. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 — proprietary channel shaped studs, minimum width indicated under Item 5, Studs to be cut 3/8 to 3/4 in less than the assembly height.

STUDCO BUILDING SYSTEMS — CROCSTUD

2H. Framing Members* — Steel Studs — (Not Shown, As an alternate to Item 2) — Fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

TELLING INDUSTRIES L L C — TRUE-STUD™

2I. Framing Members* — Steel Studs — (As an alternate to Item 2, For use with Items 5C or 5I or 5K) — Proprietary channel shaped studs, 3-5/8 in. deep spaced a max of 24 in. OC. Studs to be cut 3/4 in less than the assembly height and installed with a 1/2 in. gap between the end of the stud and track at the bottom of the wall. For direct attachment of gypsum board only.

TELLING INDUSTRIES L L C — Viper25™

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2J. Framing Members* — Metal Studs — Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights

TELLING INDUSTRIES L L C — Viper20™

2K. Framing Members* — Steel Studs — As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

EB METAL INC — NITROSTUD

2L. Framing Members* — Steel Studs — As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

OLMAR SUPPLY INC — PRIMESTUD

2M. Framing Members* — Steel Studs — As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

MARINO/WARE, DIV OF WARE INDUSTRIES INC — StudRite™

2N. Framing Members* — Steel Studs — As an alternate to Item 2 — proprietary channel shaped steel studs, min depth 3-1/2 in. and as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in length than assembly height.

STEEL INVESTMENT GROUP L L C — AlphaSTUD

2O. Framing Members* — Steel Studs — As an alternate to Item 2 — proprietary channel shaped steel studs, min width as indicated under Item 5, galv steel. Studs to be cut 3/8 to 3/4 in. less in lengths than assembly height. Spaced 24 in. OC max.

RONDO BUILDING SERVICES PTY LTD — Rondo Lipped Wall Stud

2P. Framing Members* — Steel Studs — As an alternate to Item 2 — proprietary channel shaped steel studs, min width as indicated under Item 5, min 25 MSG galv steel. Studs to be cut 3/8 to 3/4 in. less in lengths than assembly height. Spaced 24 in. OC max.

OEG BUILDING MATERIALS — OEG Stud

2Q. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 — For use with Item 1O, proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min 25 MSG (0.018 in. min. bare metal thickness). Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper X

3. Wood Structural Panel Sheathing — (Optional, For use with Item 5 Only) — (Not Shown) — 4 ft. wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DOC PS1 or PS2, or APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-drilling tapping screws with a min. head diam. of 0.292 in. at maximum 6 in. OC. in the perimeter and 12 in. OC. in the field. When used, gypsum panels attached over OSB or plywood panels and fastener lengths for gypsum panels increased by min. 1/2 in.

4. Batts and Blankets* — (Required as indicated under Item 5) — Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 5.

See **Batts and Blankets** (BKNV or B2J2) Categories for names of Classified companies.

4A. Batts and Blankets* — (Optional) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.

See **Batts and Blankets** (BKNV or B2J2) Categories for names of Classified companies.

4B. Batts and Blankets* — For use with Item 5K. Placed in stud cavities, any min. 3-1/2 in. thick glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.

See **Batts and Blankets** (BKNV or B2J2) Categories for names of Classified companies.

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Dryden

2520 White Avenue
Nashville, TN 37204

615.248.3223
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A New Construction Project:

MSCCM - Ellis Theater Renovation

Project Site Address:
311 Byrd Ave,
Philadelphia, MS
39350

DAAD Project Number:
197852

No: 01 CD SET

08/11/21

Drawing:

UL WALL ASSEMBLIES CONT.

A211

8/7/2018

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4C. **Fiber, Sprayed*** — (Optional) and as an alternate to Batts and Blankets (Item 4B) where insulation is required - Spray applied granulated mineral fiber material. The fiber is applied with adhesive at a minimum density of 0.4 pcf to completely fill the wall cavity in accordance with the application instructions supplied with the product. See **Fiber, Sprayed** (CCAZ).

AMERICAN ROCKWOOL MANUFACTURING, LLC — Type Rockwool Premium Plus

5. **Gypsum Board*** — Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall				
Rating, Hr	Min Stud Depth, in. Items 2, 2C, 2D, 2F, 2G, 2O	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 4)	
1	3-1/2	1 layer, 5/8 in. thick	Optional	
1	2-1/2	1 layer, 1/2 in. thick	1-1/2 in.	
1	1-5/8	1 layer, 3/4 in. thick	Optional	
2	1-5/8	2 layers, 1/2 in. thick	Optional	
2	1-5/8	2 layers, 5/8 in. thick	Optional	
2	3-1/2	1 layer, 3/4 in. thick	3 in.	
3	1-5/8	3 layers, 1/2 in. thick	Optional	
3	1-5/8	2 layers, 3/4 in. thick	Optional	
3	1-5/8	3 layers, 5/8 in. thick	Optional	
4	1-5/8	4 layers, 5/8 in. thick	Optional	
4	1-5/8	4 layers, 1/2 in. thick	Optional	
4	2-1/2	2 layers, 3/4 in. thick	2 in.	

CGC INC — 1/2 in. thick Type C, IP-X2 or IPC-AR; WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX or WRC; 3/4 in. thick Types IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SGX, SHX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR; 3/4 in. thick Types IP-X3 or ULTRACODE

USG BORAL DRYWALL SFZ LLC — 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, ULTRACODE

USG MEXICO S A DE C V — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC or; 3/4 in. thick Types IP-X3 or ULTRACODE

When Item 7B, **Steel Framing Members***, is used, Nonbearing Wall Rating is limited to 1 Hr. Min. stud depth is 3-1/2 in., min. thickness of insulation (Item 4) is 3 in., and two layers of gypsum board panels (1/2 in. or 5/8 in. thick) shall be attached to furring channels as described in Item 6. One layer of gypsum board panels (1/2 in. or 5/8 in. thick) attached to opposite side of stud without furring channels as described in Item 6.

5A. **Gypsum Board*** — (As an alternate to Item 5) — 5/8 in. thick, 24 to 54 in. wide, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 6.

CGC INC — Type SHX.

UNITED STATES GYPSUM CO — Type FRX-G, SHX.

USG MEXICO S A DE C V — Type SHX.

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Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall				
Rating, Hr	Min Stud Depth, in. Item 2E	No. of Layers & Thickness of Panel	Min Thkns of Insulation (Item 4)	
2	1-5/8	2 layers, 1/2 in. thick	Optional	
2	1-5/8	2 layers, 5/8 in. thick	Optional	
3	1-5/8	3 layers, 1/2 in. thick	Optional	
3	1-5/8	3 layers, 5/8 in. thick	Optional	
4	1-5/8	4 layers, 5/8 in. thick	Optional	
4	1-5/8	4 layers, 1/2 in. thick	Optional	

CGC INC — 1/2 in. thick Type C, IP-X2 or IPC-AR; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, or; 3/4 in. thick Types IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type SCX, SGX, SHX, IP-X1, AR, C, , FRX-G, IP-AR, IP-X2, IPC-AR, ULIX; 3/4 in. thick Types IP-X3 or ULTRACODE

USG BORAL DRYWALL SFZ LLC — 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, ULTRACODE

USG MEXICO S A DE C V — 1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, or; 3/4 in. thick Types IP-X3 or ULTRACODE

5H. **Gypsum Board*** — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 or 3/4 in thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 3) - Nom 5/8 or 3/4 in. may be used as alternate to all 5/8 or 3/4 in. shown in Item 5. Wallboard Protection on Each Side of Wall table. Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type 5-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Gypsum board secured to 20 MSG steel studs Item 2B with 1-1/4 in. long Type 5-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 11A) or Lead Discs (see Item 12A).

MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

5I. **Gypsum Board*** — (As an alternate to Item 5) — Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 5. Steel stud minimum depth shall be as indicated in Item 5.

CGC INC — Type ULX

UNITED STATES GYPSUM CO — Type ULX

USG MEXICO S A DE C V — Type ULX

5J. **Gypsum Board*** — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified. For direct attachment only to steel studs Item 2A, not to be used with Item 3). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type 5-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in., placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type 5-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

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5B. **Gypsum Board*** — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 in or 3/4 in. thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 3) — Nom 5/8 in. or 3/4 in. may be used as alternate to all 5/8 in. or 3/4 in. shown in Item 5. Wallboard Protection on Each Side of Wall table. Nom 5/8 in. or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to 20 MSG steel studs Item 2A with 1-1/4 in. long Type 5-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 11) or Lead Discs or Tabs (see Item 12).

RAY-BAR ENGINEERING CORP — Type RB-LBG

5C. **Gypsum Board*** — (For Use With Item 2B) — Rating Limited to 1 Hour, 5/8 in. thick, 48 in. wide, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. (Vertical Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type 5 coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. Vertical joints are to be centered over studs and staggered one stud cavity on opposite sides of studs. (Horizontal Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type 5 coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. All horizontal joints are to be backed as outlined under section VI of Volume 1 in the Fire Resistive Directory.

CGC INC — Type SCX.

UNITED STATES GYPSUM CO — Type SCX, SGX.

USG BORAL DRYWALL SFZ LLC — Type SCX

USG MEXICO S A DE C V — Type SCX

5D. **Gypsum Board*** — (As an alternate to Item 5) — 5/8 in. thick, 48 in. wide, applied vertically or horizontally. Secured as described in Item 6. For use with Items 1 and 2 only.

CGC INC — Type USGX

UNITED STATES GYPSUM CO — Type USGX

USG BORAL DRYWALL SFZ LLC — Type USGX

USG MEXICO S A DE C V — Type USGX

5E. **Gypsum Board*** — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified. For direct attachment only to steel studs Item 2A, not to be used with Item 3). Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type 5-12 (or No. 6 by 1-1/4 in. long bugle head fine drillr) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

NEW ENGLAND LEAD BURNING CO INC, DBA NELCO — Nelco

5F. **Gypsum Board*** — (As an alternate to Item 5) — For use with Items 1E and 2E and limited to 1 Hour Rating only, Gypsum panels with beveled, square or tapered edges, applied vertically, and fastened to the steel studs with 1 in. long Type 5 screws spaced 8 in. OC along vertical and bottom edges and 12 in. OC in the field. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Steel stud depth shall be a minimum 3-5/8 in.

UNITED STATES GYPSUM CO — 5/8 in. thick Type SCX, SGX

USG BORAL DRYWALL SFZ LLC — 5/8 in. thick Type SCX, SGX

5G. **Gypsum Board*** — (As an alternate to Item 5) — For use with Items 1E and 2E only, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally, as specified in the table below and fastened to the steel studs as described in Item 6. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs.

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7C. **Framing Members*** — (Not Shown) — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below:

a. **Furring Channels** — Formed of No. 25 MSG galv steel, 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.

b. **Steel Framing Members*** — Used to attach furring channels (Item 7Ca) to studs (Item 2). Clips spaced max. 48 in. OC. GENIECLIPS secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.

PLITEQ INC — Type GENIECLIP

7D. **Steel Framing Members*** — (Optional on one or both sides, not shown, for single or double layer systems) — Furring channels and Steel Framing Members as described below:

a. **Furring Channels** — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.

b. **Steel Framing Members*** — Used to attach furring channels (Item 7Da) to studs. Clips spaced 48 in. OC, and secured to studs with 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips.

STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237 or A237R

7E. **Steel Framing Members*** — (Optional on one or both sides, not shown, for single or double layer systems) — Furring channels and Steel Framing Members as described below:

a. **Furring Channels** — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 7b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A and 5E.

b. **Steel Framing Members*** — Used to attach furring channels (Item 7Ea) to studs. Clips spaced 48 in. OC, and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

REGUPOL AMERICA — Type SonuClip

7F. **Steel Framing Members*** — (Optional on one or both sides, not shown, for single or double layer systems) — Resilient channels and Steel Framing Members as described below:

a. **Resilient Channels** — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Phillips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 5.

b. **Steel Framing Members*** — Used to attach resilient channels (Item 7Fa) to studs. Clips spaced 48 in. OC, and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw.

KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

8. **Joint Tape and Compound** — Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.

9. **Siding, Brick or Stucco** — (Optional, Not Shown) — Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

10. **Caulking and Sealants*** — (Optional, Not Shown) — A bead of acoustical sealant applied around the partition perimeter for sound control.

UNITED STATES GYPSUM CO — Type AS

11. **Lead Batten Strips** — (Not Shown, For Use With Item 5B) — Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type 5-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5B) and optional at remaining stud locations. Required behind vertical joints.

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11A. **Lead Batten Strips** — (Not Shown, For Use With Item 5H) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type 5-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type 5-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations.

12. **Lead Discs or Tabs** — (Not Shown, For Use With Item 5B) — Used in lieu of or in addition to the lead batten strips (Item 11) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5B) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

12A. **Lead Discs** — (Not Shown, for use with Item 5H) — Max 5/16 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.9% meeting the Federal Specification QQ-L-201f, Grades "B, C or D".

13. **Lead Batten Strips** — (Not Shown, For Use With Item 5E) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type 5-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type 5-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5E) and optional at remaining stud locations.

14. **Lead Tabs** — (Not Shown, For Use With Item 5E) — 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit around front face of stud, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screw (that secures the gypsum boards, Item 5E) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Last Updated on 2018-07-12

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A New Construction Project:

MSCCM - Ellis Theater Renovation

Project Site Address:
311 Byrd Ave,
Philadelphia, MS
39350

DAAD Project Number:
197852

No: 01 CD SET

08/11/21

Drawing:

UL WALL ASSEMBLIES
CONT.

A212

7/23/2021

BXUV.U904 - Fire-resistance Ratings - ANSI/UL 263 | UL Product iQ

UL

UL Product iQ™

BXUV.U904 - Fire-resistance Ratings - ANSI/UL 263

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- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
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BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

[See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States Design Criteria and Allowable Variances](#)

[See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada Design Criteria and Allowable Variances](#)

Design No. U904

November 09, 2020

Bearing Wall Rating — 3 HR.

Nonbearing Wall Rating — 3 HR.

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

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7/23/2021

BXUV.U904 - Fire-resistance Ratings - ANSI/UL 263 | UL Product iQ

1. **Concrete Blocks*** — Various designs. Classification C-3 (3 hr). See **Concrete Blocks** category for list of eligible manufacturers.

2. **Mortar** — Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

3. **Portland Cement Stucco or Gypsum Plaster** — Add 1/2 hr to Classification if used. Attached to concrete bolcks (Item 1).

4. **Loose Masonry Fill** — If all core spaces are filled with loose dry expanded slag, expanded clay or shale (Rotary Kiln Process), water repellant vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation add 1 hr to Classification.

5. **Foamed Plastic*** — (Optional-Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1). **ATLAS ROOFING CORP** — "EnergyShield Pro Wall Insulation", "EnergyShield Pro 2 Wall Insulation", EnergyShield CGF Pro and EnergyShield Ply Pro

CARLISLE COATINGS & WATERPROOFING INC — Type R2+ SHEATHE

DUPONT DE NEMOURS, INC. — Type Thermax Sheathing, Thermax Light Duty Insulation, Thermax Heavy Duty Insulation, Thermax Metal Building Board, Thermax White Finish Insulation, Thermax ci Exterior Insulation, Thermax XARMOR ci Exterior Insulation, Thermax IH Insulation, Thermax Plus Liner Panel, Thermax Heavy Duty Plus (HDP), TUFF-R™ ci Insulation, Thermax Butler Stylwall Insulation Board and Thermax Morton Heavy Duty Insulation Board

FIRESTONE BUILDING PRODUCTS CO L L C — "Enverge™ CI Foil Exterior Wall Insulation" and "Enverge™ CI Glass Exterior Wall Insulation"

HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC — Type "Xci-Class A", "Xci 286", "Xci Foil (Class A)"

RMAX, A BUSINESS UNIT OF SIKA CORPORATION — Types "TSX-8500", "ECOMAXci FR", "TSX-8510", "ECOMAX xi FR White", "ECOMAXci", "ECOMAXci FR Air Barrier", "Thermasheath-XP", "Thermasheath+", "Durasheath+", "Thermasheath-3", "Durasheath-3".

JOHNS MANVILLE — Type "AP Foil-Faced Foam Sheathing"

5A. **Building Units*** — As an alternate to Item 5, min. 1-in thick polyisocyanurate composite foamed plastic insulation boards, nom. 48 by 48 or 96 in.

RMAX, A BUSINESS UNIT OF SIKA CORPORATION — "Thermasheath-SI", "ECOBASEci", "ThermaBase-CI", "ECOMAXci FR Ply", "ECOMAXci Ply".

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada),

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respectively.

Last Updated on 2020-11-09

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Nashville, TN 37204

615.248.3223
dryden.studio

REGISTERED ARCHITECT
NICHOLAS
STATE OF MISSISSIPPI
5923
8.11.21

A New Construction Project:
MSCCM -
Ellis Theater
Renovation

Project Site Address:
311 Byrd Ave,
Philadelphia, MS
39350

DAAD Project Number:
197852

No: 01 CD SET 08/11/21

Drawing:

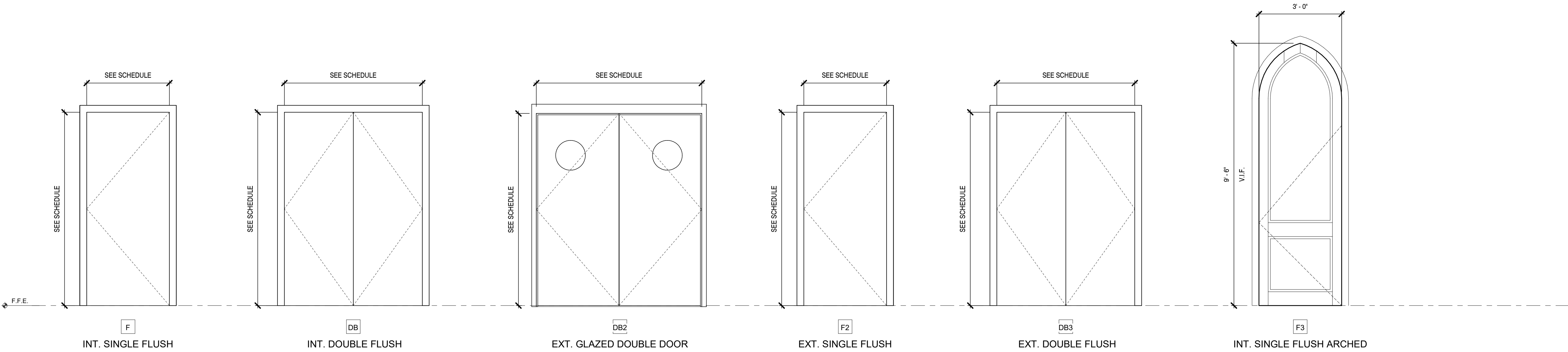
UL WALL ASSEMBLIES
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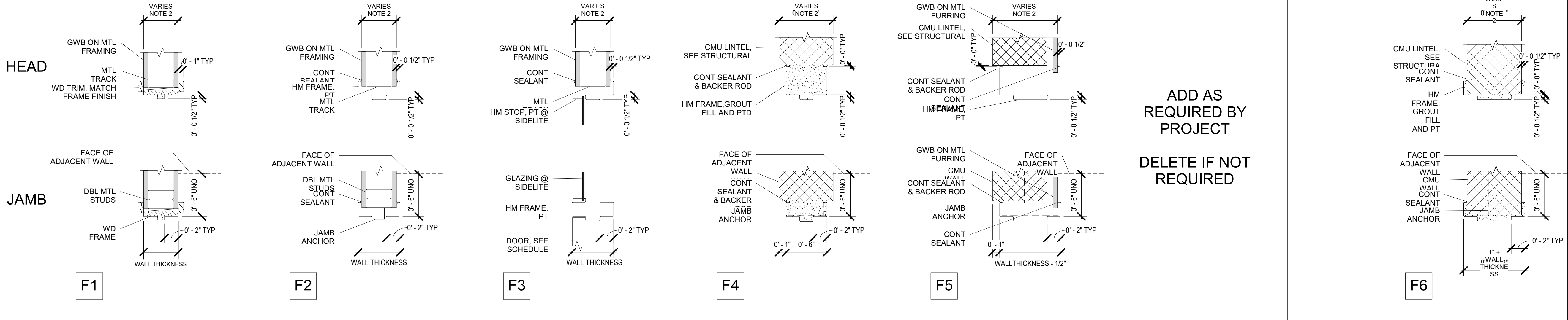
DOOR SCHEDULE

MARK	WIDTH	HEIGHT	Type Mark	TYPE - SEE ELEVATIONS	GLAZING	FRAME	FINISH	RATIN G	DETAIL HEAD JAMB	HARDW ARE	REMARKS
101	6'-0"	7'-0"	DB2	EXT. GLAZED DOUBLE DOORS	Yes	MTL	PTD		F4 F4	A	PANIC HARDWARE PORTHOLE WINDOW
102	5'-0"	7'-0"	DB	INT. DOUBLE FLUSH DOOR		MTL	PTD	1HR	F2 F2	B	
103	13'-0"	8'-0"	V	GARAGE DOOR		MTL	PTD		/ /		(E) OVERHEAD GARAGE DOOR
104	5'-0"	7'-0"	DB	INT. DOUBLE FLUSH DOOR		MTL	PTD	1HR	F2 F2	B	
105	3'-8"	6'-8"	F2	EXT. SINGLE DOOR		MTL	PTD		F4 F4	C	PANIC HARDWARE
106	5'-0"	7'-0"	DB	INT. DOUBLE FLUSH DOOR		MTL	PTD	1HR	F2 F2	B	
107	6'-0"	6'-10"	DB	INT. DOUBLE FLUSH DOOR		MTL	PTD	1HR	F2 F2	B	
108	3'-0"	7'-0"	F	INT. SINGLE FLUSH DOOR		MTL	PTD		F2 F2	G	
109	3'-0"	7'-0"	F	INT. SINGLE FLUSH DOOR		MTL	PTD		F2 F2	G	
110	3'-0"	7'-0"	F	INT. SINGLE FLUSH DOOR		MTL	PTD		F2 F2	G	
111	3'-0"	7'-0"	F	INT. SINGLE FLUSH DOOR		MTL	PTD		F2 F2	G	
112	3'-0"	7'-0"	F	INT. SINGLE FLUSH DOOR		MTL	PTD		F2 F2	G	
113	3'-0"	7'-0"	F	INT. SINGLE FLUSH DOOR		MTL	PTD	1HR	F2 F2	D	
114	5'-0"	7'-0"	DB	INT. DOUBLE FLUSH DOOR		MTL	PTD		F2 F2	B	
115	2'-6"	7'-0"	F	INT. SINGLE FLUSH DOOR		MTL	PTD		F2 F2	D	
116	3'-0"	9'-3"	F3	INT. CUSTOM SINGLE DOOR		WD	PTD		F1 F1	E	ARCHED DOOR FROM SUN MOUNTAIN CUSTOM DOORS
117	3'-0"	7'-0"	F	INT. SINGLE FLUSH DOOR		MTL	PTD		F2 F2	D	
118	3'-0"	7'-0"	F	INT. SINGLE FLUSH DOOR		MTL	PTD		F2 F2	D	
119	6'-0"	6'-10"	DB	INT. DOUBLE FLUSH DOOR		MTL	PTD		F2 F2	B	
120	3'-0"	7'-0"	F	INT. SINGLE FLUSH DOOR		MTL	PTD		F2 F2	H	
121	6'-0"	7'-0"	DB2	EXT. GLAZED DOUBLE DOORS	Yes	MTL	PTD		F5 F5	A	PANIC HARDWARE PORTHOLE WINDOW
122	6'-0"	7'-0"	DB2	EXT. GLAZED DOUBLE DOORS	Yes	MTL	PTD		F5 F5	A	PANIC HARDWARE PORTHOLE WINDOW
123	2'-6"	7'-0"	F	INT. SINGLE FLUSH DOOR		MTL	PTD		F2 F2	D	
124	3'-0"	7'-0"	F	INT. SINGLE FLUSH DOOR		MTL	PTD		F2 F2	H	PANIC HARDWARE
125	2'-6"	7'-0"	F	INT. SINGLE FLUSH DOOR		MTL	PTD		F2 F2	D	
126	3'-0"	7'-0"	F	INT. SINGLE FLUSH DOOR		MTL	PTD		F2 F2	G	
127	8'-0"	9'-0"	DB3	EXT. DOUBLE DOORS		MTL	PTD		F4 F4	F	PANIC HARDWARE
200	2'-6"	6'-8"	F	INT. SINGLE FLUSH DOOR		MTL	PTD		F2 F2	D	
201	2'-6"	6'-8"	F	INT. SINGLE FLUSH DOOR		MTL	PTD		F2 F2	D	
201	3'-0"	7'-0"	F	INT. SINGLE FLUSH DOOR		MTL	PTD		F2 F2	G	
202	3'-0"	7'-0"	F	INT. SINGLE FLUSH DOOR		MTL	PTD		F2 F2	I	
203	3'-0"	7'-0"	F	INT. SINGLE FLUSH DOOR		MTL	PTD		F2 F2	D	
204	3'-0"	7'-0"	F	INT. SINGLE FLUSH DOOR		MTL	PTD		F2 F2	D	
205	2'-6"	7'-0"	F	INT. SINGLE FLUSH DOOR		MTL	PTD		F2 F2	I	

DOOR HARDWARE										
Key Name	HINGE	LOCKSET	CLOSER	THRESHOLD	SEAL	STOP	PUSH	PULL	PLATES	REMARKS
A	4" FLUSH MOUNT	EXT. EXIT/ENTRANCE LOCKSET	PARALLEL ARM	FLUTED TOP THERMAL BREAK SADDLE, ADA COMPLIANT	WEATHER STRIPPING		PANIC BAR	EXTERIOR LEVER	8" KICKPLATE, BRUSHED STAINLESS STEEL	OIL RUBBED BRONZE FINISH, REUSE (E) EXTERIOR HARDWARE FOR ELLIS DOORS
B	4" FLUSH MOUNT	PASSAGE	PARALLEL ARM	ADA COMPLIANT				PASSAGE LEVER		OIL RUBBED BRONZE FINISH
C	4" FLUSH MOUNT	EXT. EXIT/ENTRANCE LOCKSET	PARALLEL ARM	FLUTED TOP THERMAL BREAK SADDLE, ADA COMPLIANT	WEATHER STRIPPING		PANIC BAR	EXTERIOR LEVER	8" KICKPLATE, BRUSHED STAINLESS STEEL	OIL RUBBED BRONZE FINISH
D	4" FLUSH MOUNT	PASSAGE		ADA COMPLIANT		FLOOR MOUNTED HALF DOME RUBBER BUMPER		PASSAGE LEVER		OIL RUBBED BRONZE FINISH
E	4" FLUSH MOUNT	PASSAGE		ADA COMPLIANT				PASSAGE LEVER		CUSTOM ARCHED DOOR, OIL RUBBED BRONZE FINISH
F	4" FLUSH MOUNT	EXT. EXIT/ENTRANCE LOCKSET	PARALLEL ARM	FLUTED TOP THERMAL BREAK SADDLE, ADA COMPLIANT	WEATHER STRIPPING		PANIC BAR	EXTERIOR LEVER	8" KICKPLATE, BRUSHED STAINLESS STEEL	OIL RUBBED BRONZE FINISH
G	4" FLUSH MOUNT	PRIVACY LOCKSET		ADA COMPLIANT		FLOOR MOUNTED HALF DOME RUBBER BUMPER		PASSAGE LEVER		OIL RUBBED BRONZE FINISH
H	4" FLUSH MOUNT	PASSAGE PANIC	PARALLEL ARM	ADA COMPLIANT			PANIC BAR	PASSAGE LEVER	8" KICKPLATE, BRUSHED STAINLESS STEEL	OIL RUBBED BRONZE FINISH
I	4" FLUSH MOUNT	PASSAGE		ADA COMPLIANT				PASSAGE LEVER		OIL RUBBED BRONZE FINISH



DOOR PANEL ELEVATIONS



HEAD & JAMB DETAILS

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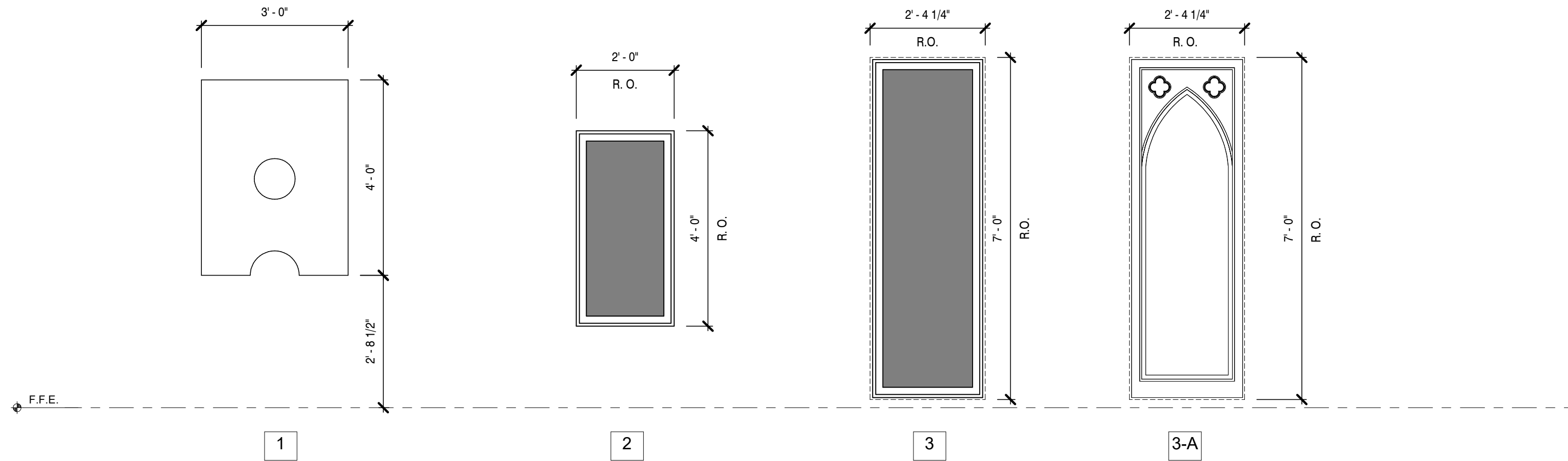
No: 01 CD SET 08/11/21

Drawing:
DOOR SCHEDULE, DETAILS

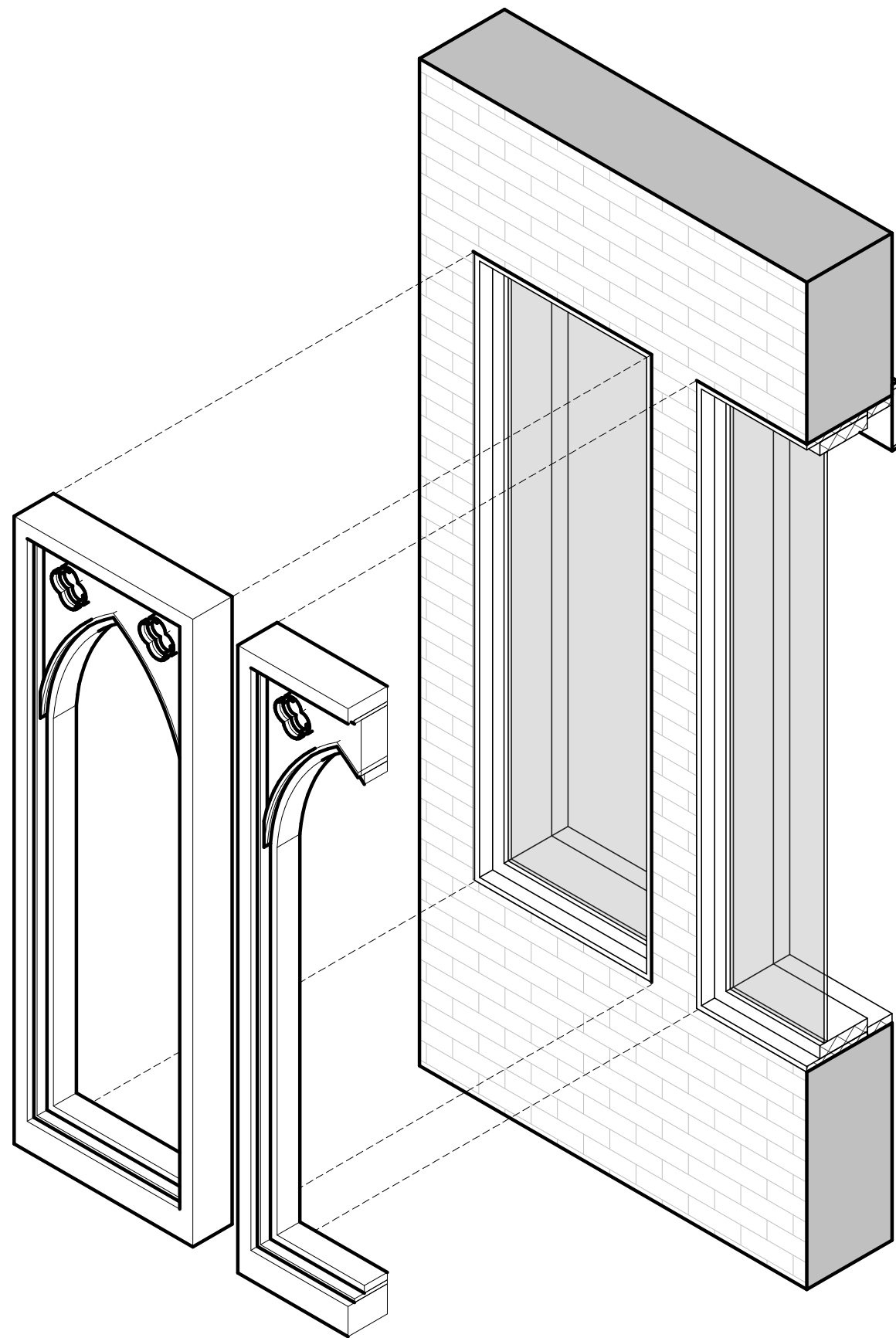
A240

WINDOW SCHEDULE

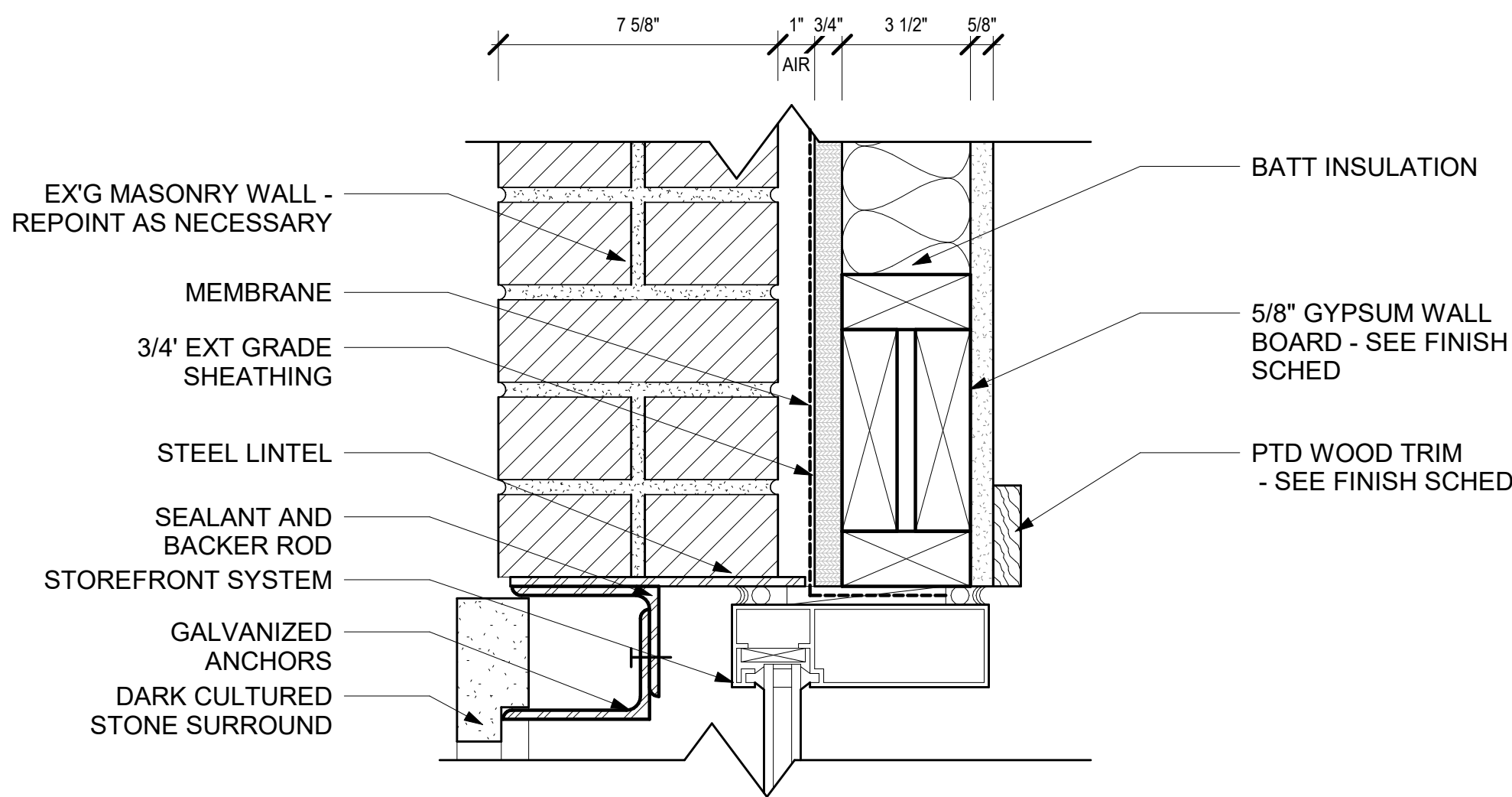
MARK	TYPE - SEE ELEVATIONS	WIDTH	HEIGHT	FRAME	FINISH	TRANSOM	HEAD	SILL	REMARKS
1	1	2'-4"	3'-7"			N/A	6'-5"	2'-10"	
2	1	2'-4"	3'-7"			N/A	6'-5"	2'-10"	
3	2	2'-0"	4'-0"			N/A	7'-4"	3'-4" FROM ELLIS LOBBY	
4	2	2'-0"	4'-0"			N/A	7'-4"	3'-4" FROM ELLIS LOBBY	
5	2	2'-0"	4'-0"			N/A	7'-4"	3'-4" FROM ELLIS LOBBY	
6	2	2'-0"	4'-0"			N/A	7'-4"	3'-4" FROM ELLIS LOBBY	
7	2	2'-0"	4'-0"			N/A	7'-4"	3'-4" FROM ELLIS LOBBY	
8	3	2'-3"	6'-11"			N/A	10'-6"	3'-7" FROM NEW PNC LEVEL 2	SEE TYPE 3-A FOR SURROUND ELEVATION
9	3	2'-3"	6'-11"			N/A	10'-6"	3'-7" FROM NEW PNC LEVEL 2	SEE TYPE 3-A FOR SURROUND ELEVATION
10	3	2'-3"	6'-11"			N/A	10'-6"	3'-7" FROM NEW PNC LEVEL 2	SEE TYPE 3-A FOR SURROUND ELEVATION



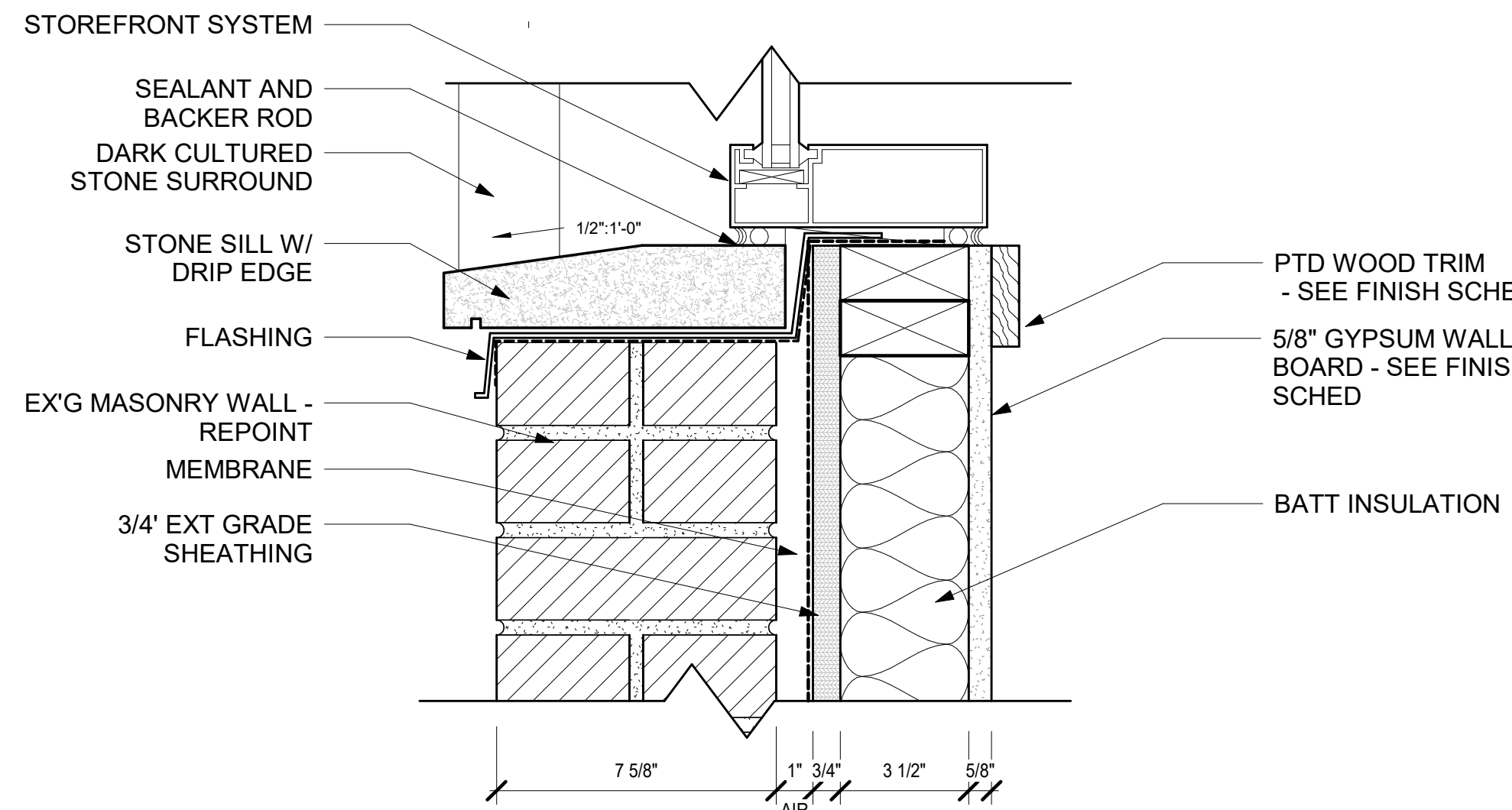
DOOR PANEL ELEVATIONS
1/2" = 1'-0"



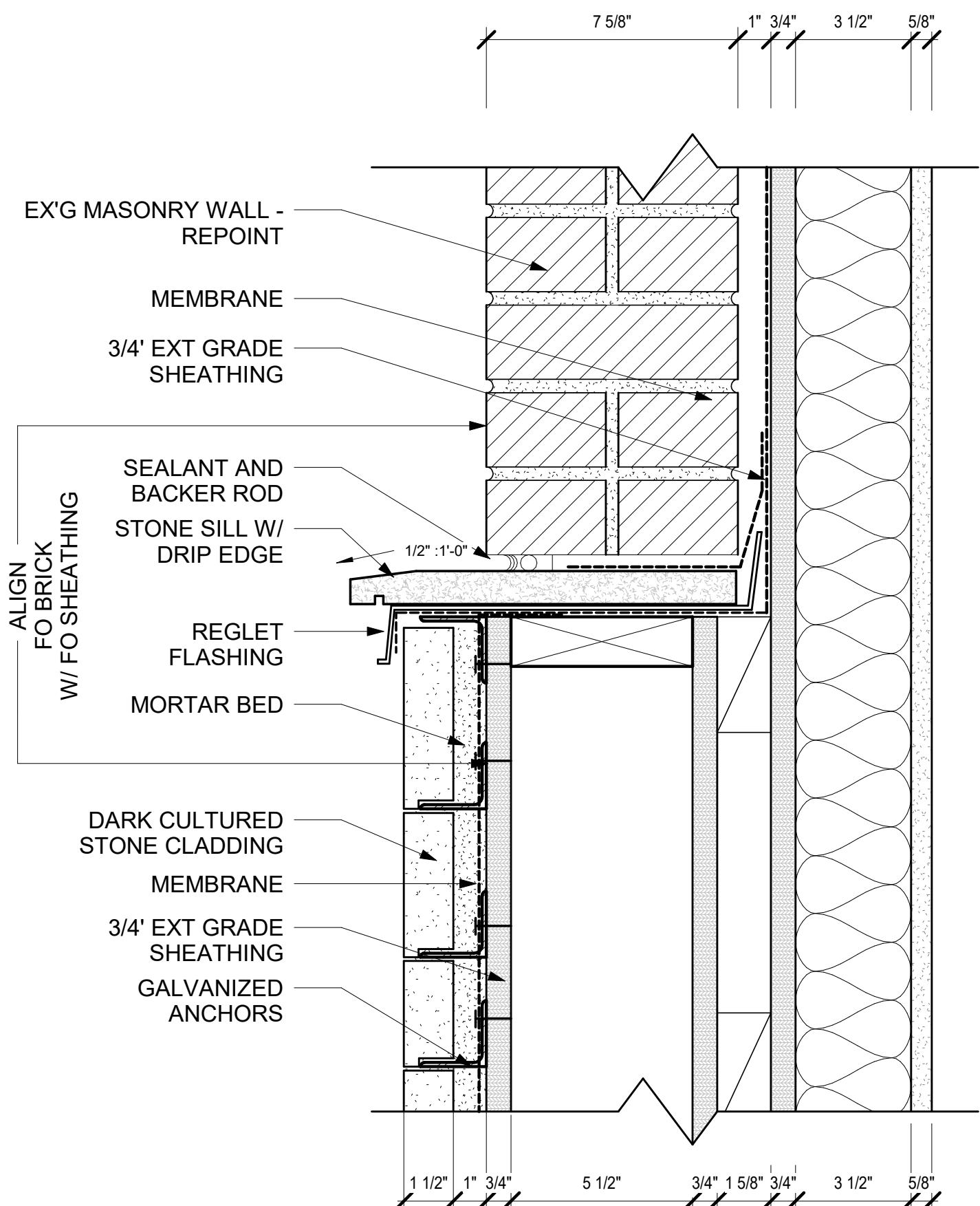
LOBBY WINDOW AXONOMETRIC



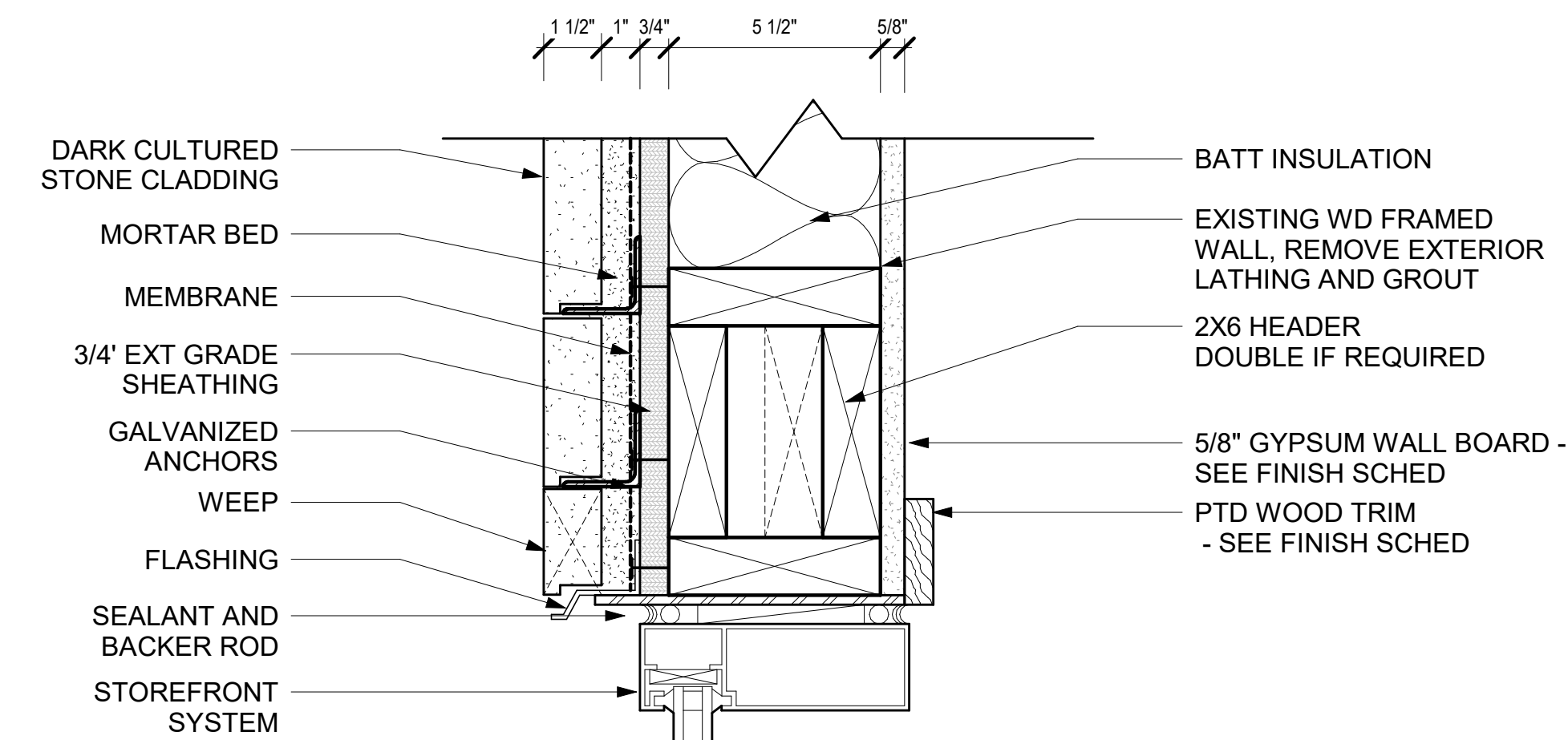
WINDOW HEAD- STONE CLAD WALL
3" = 1'-0"



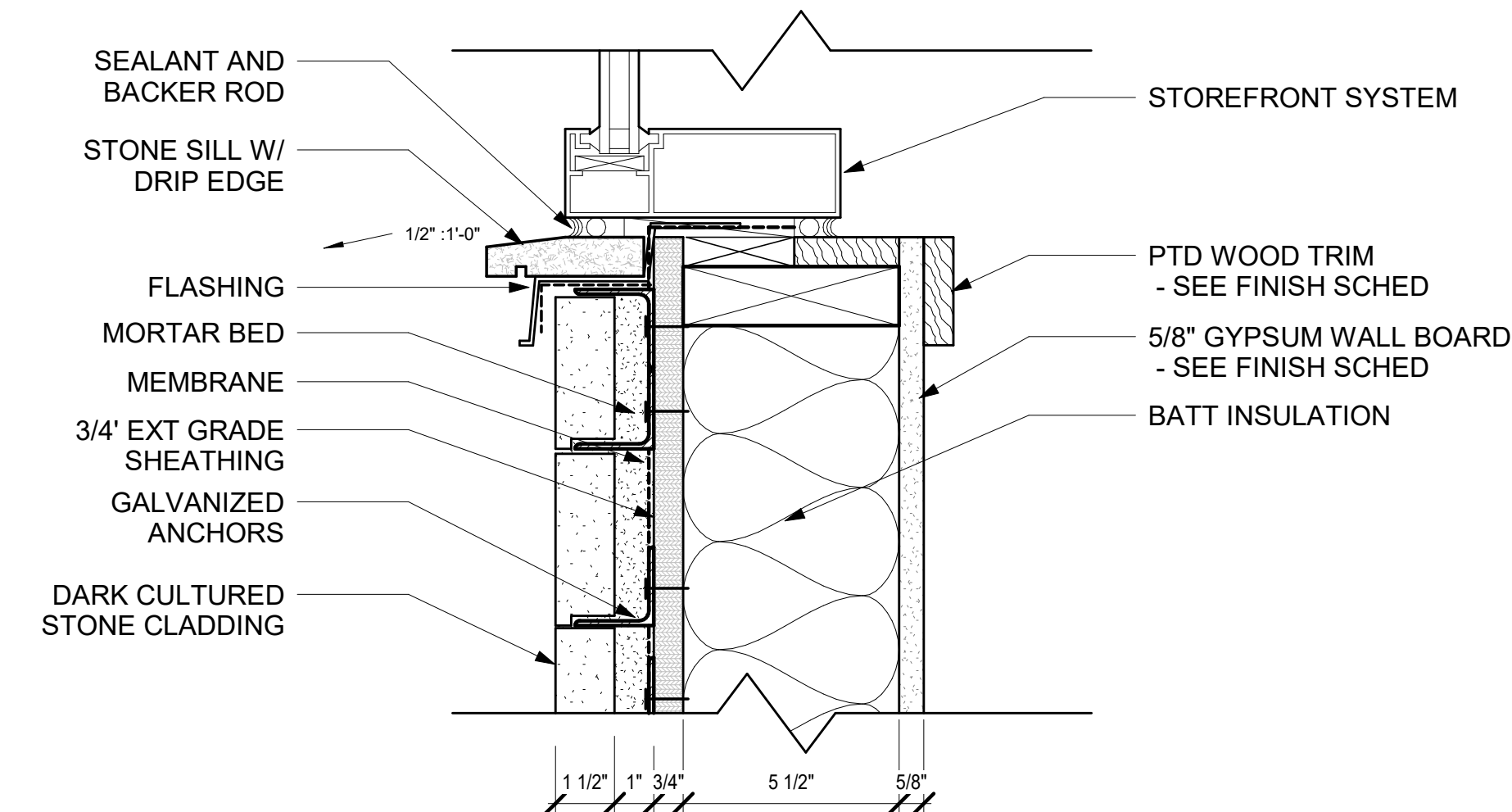
WINDOW HEAD- STONE CLAD WALL
3" = 1'-0"



WALL TRANSITION - EX'G MASONRY TO
STONE CLAD WALL
3" = 1'-0"



WINDOW HEAD- STONE CLAD WALL
3" = 1'-0"



WINDOW SILL - STONE CLAD WALL
3" = 1'-0"



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Drawing:

WINDOW SCHEDULE,
DETAILS

A250



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DAAD Project Number:
197852

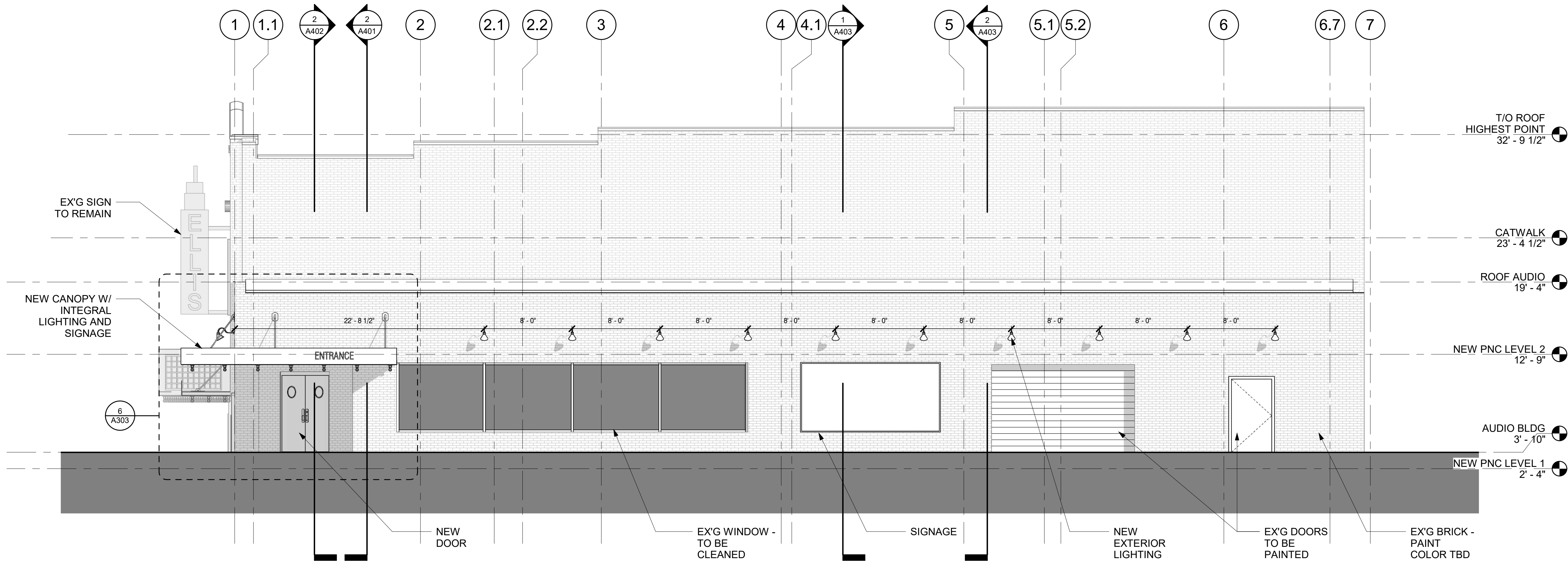
No: 01 CD SET
2 Revision 1

08/11/21
08/23/21

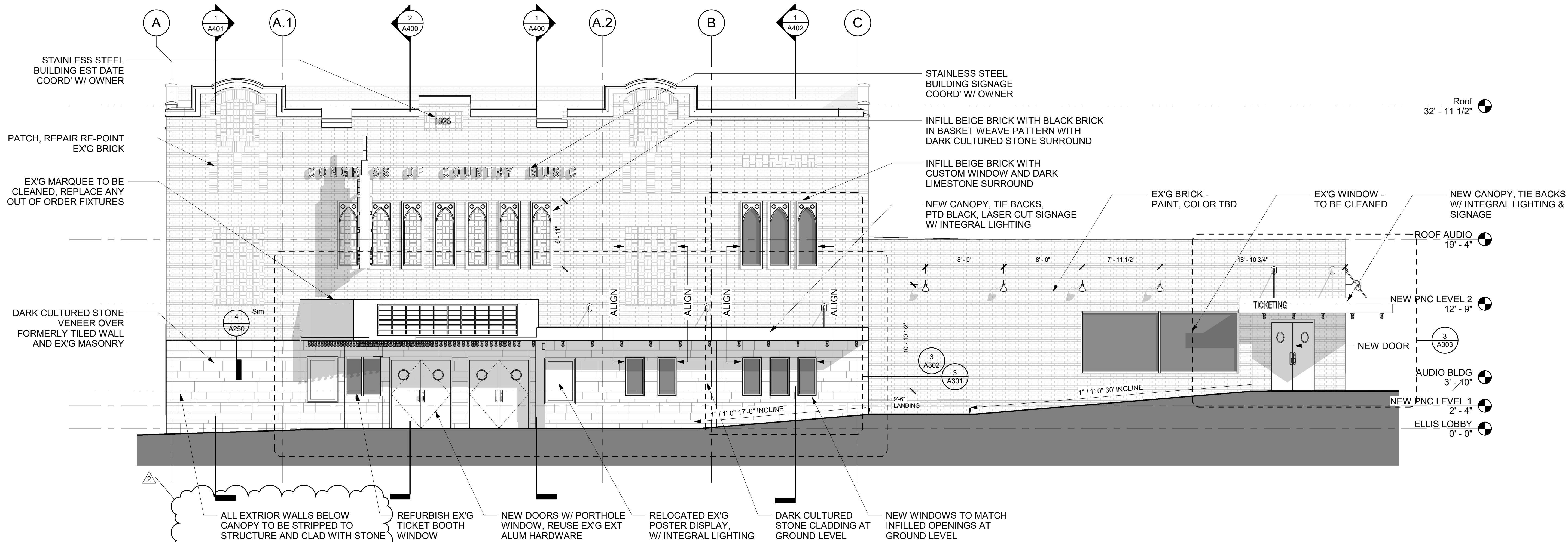
Drawing:

EXTERIOR ELEVATIONS

A300



② EXTERIOR SOUTH ELEVATION
3/16" = 1'-0"



① EXTERIOR EAST ELEVATION
3/16" = 1'-0"



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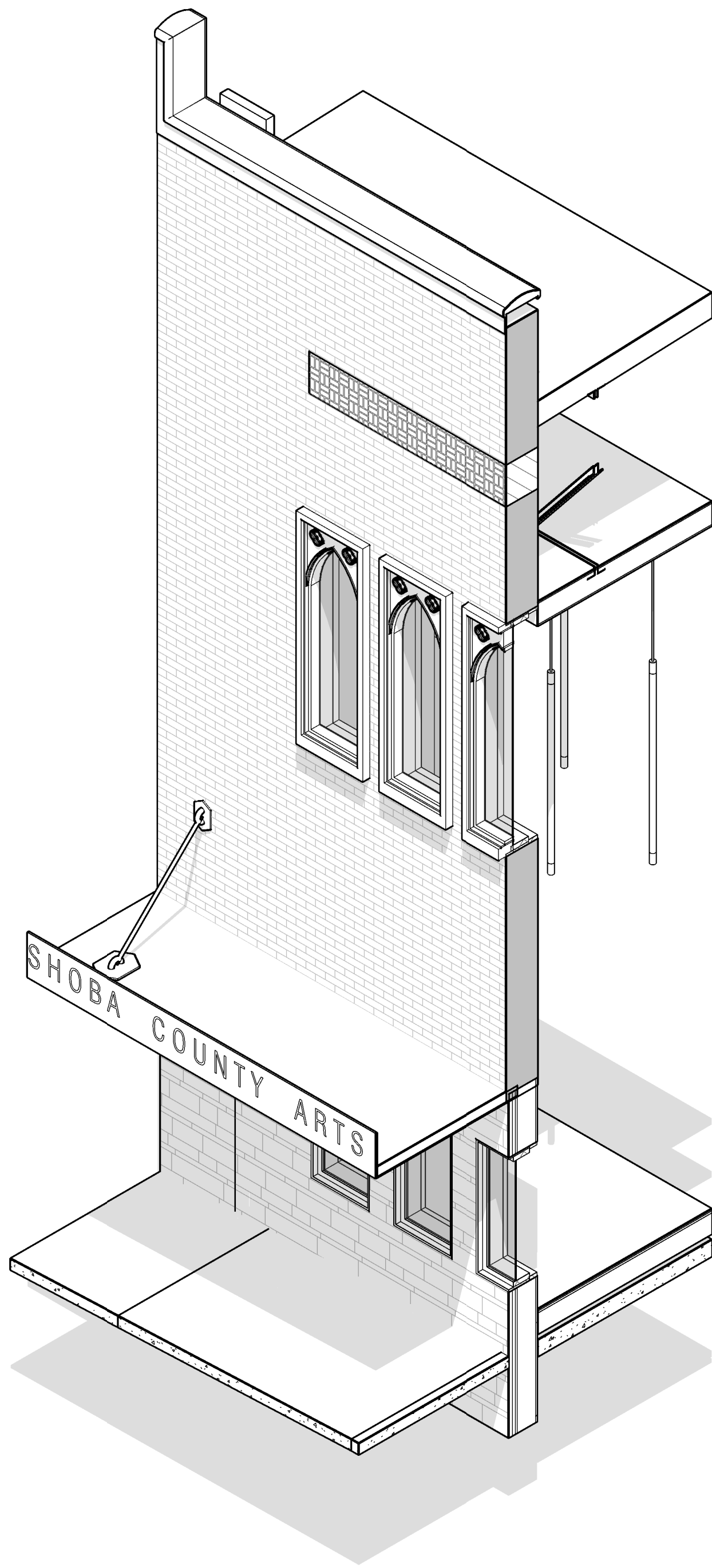
DAAD Project Number:
197852

No: 01 CD SET 08/11/21

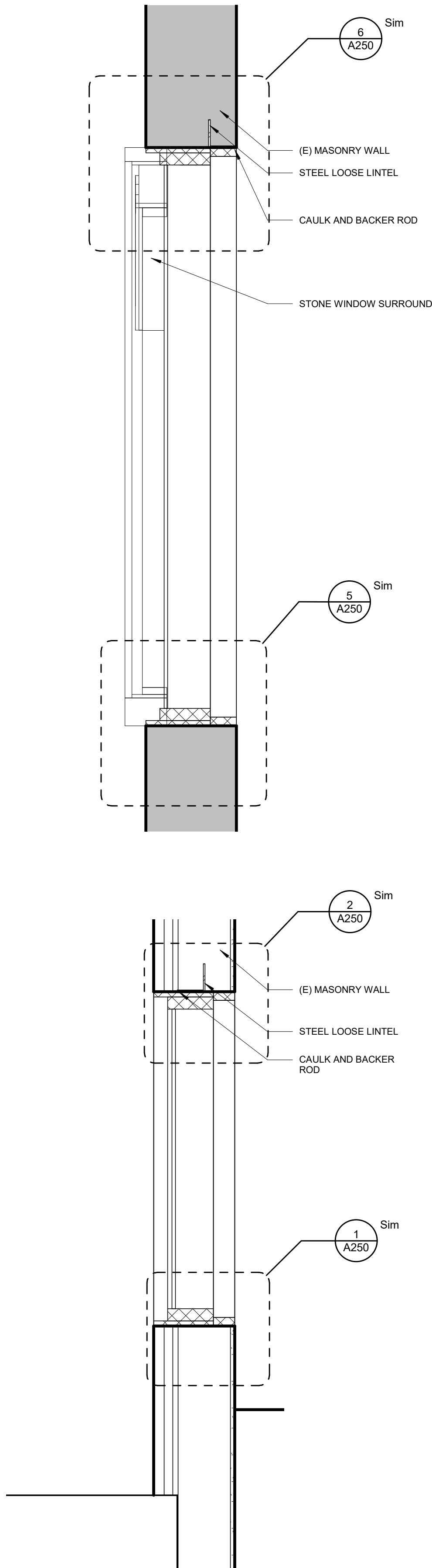
Drawing:

ENLARGED ELEVATION -
WINDOWS

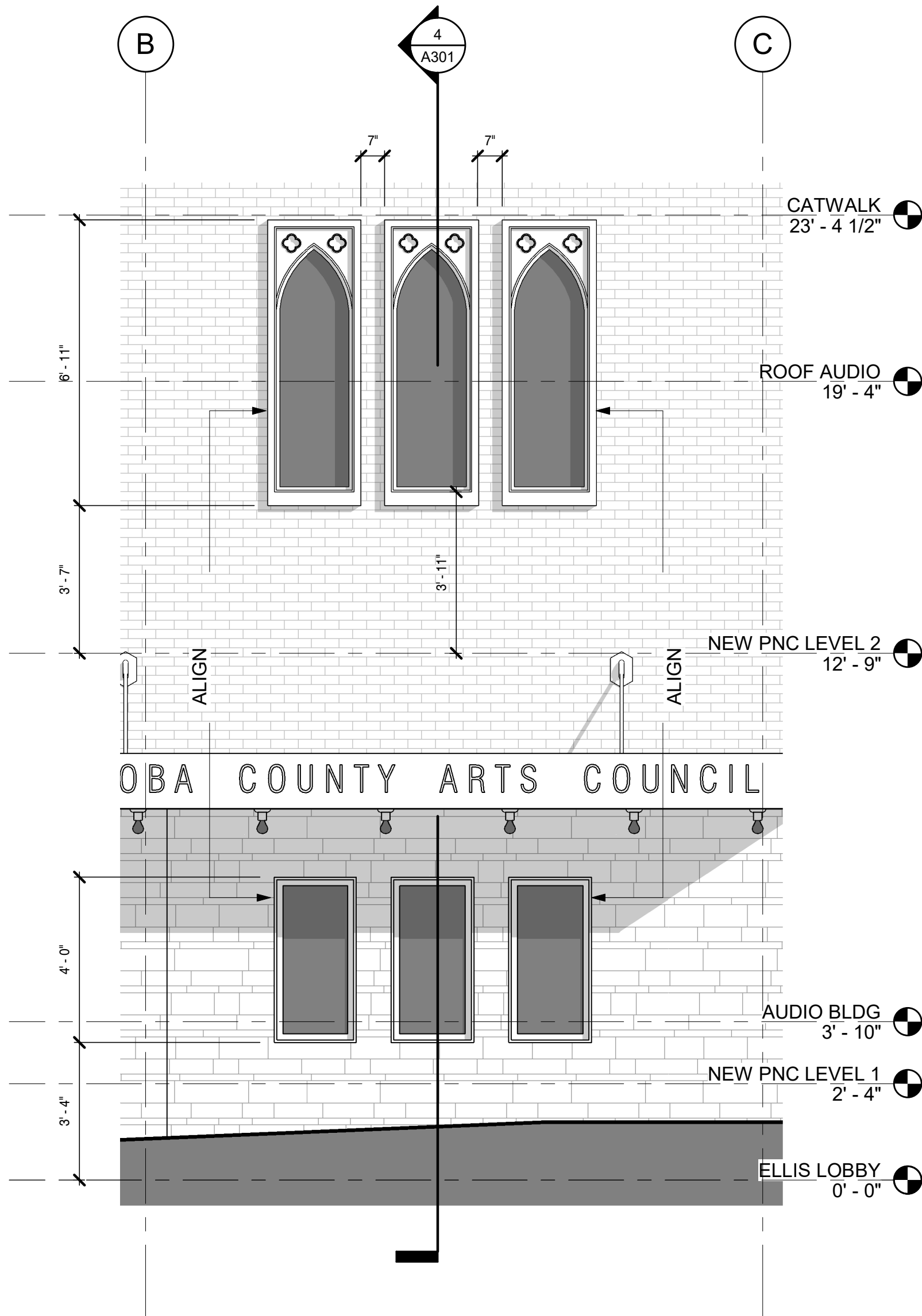
A301



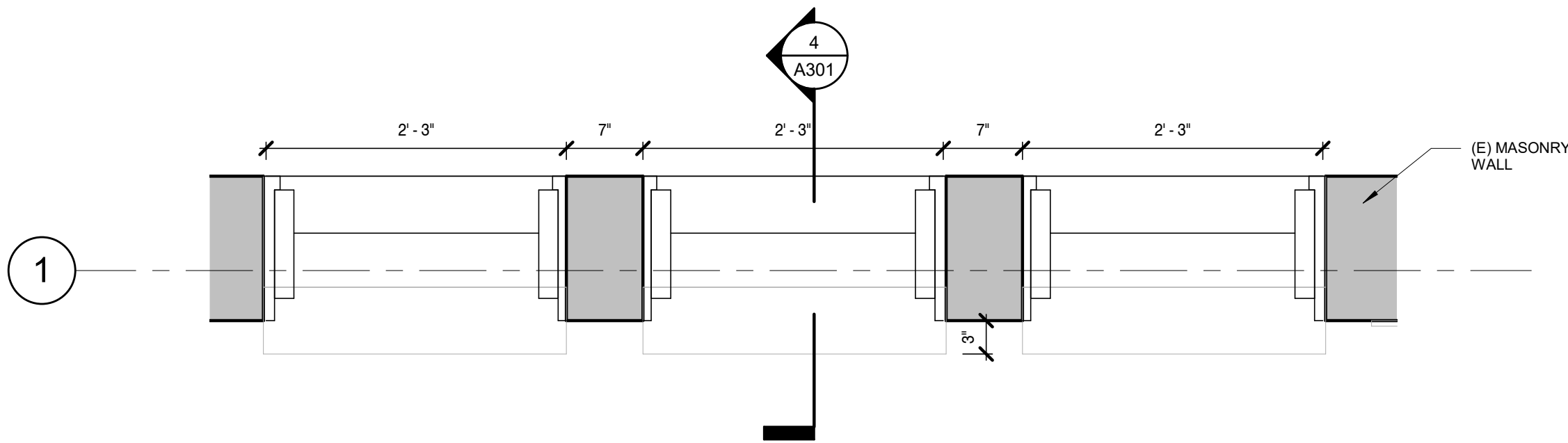
5 LOBBY WINDOW AXONOMETRIC



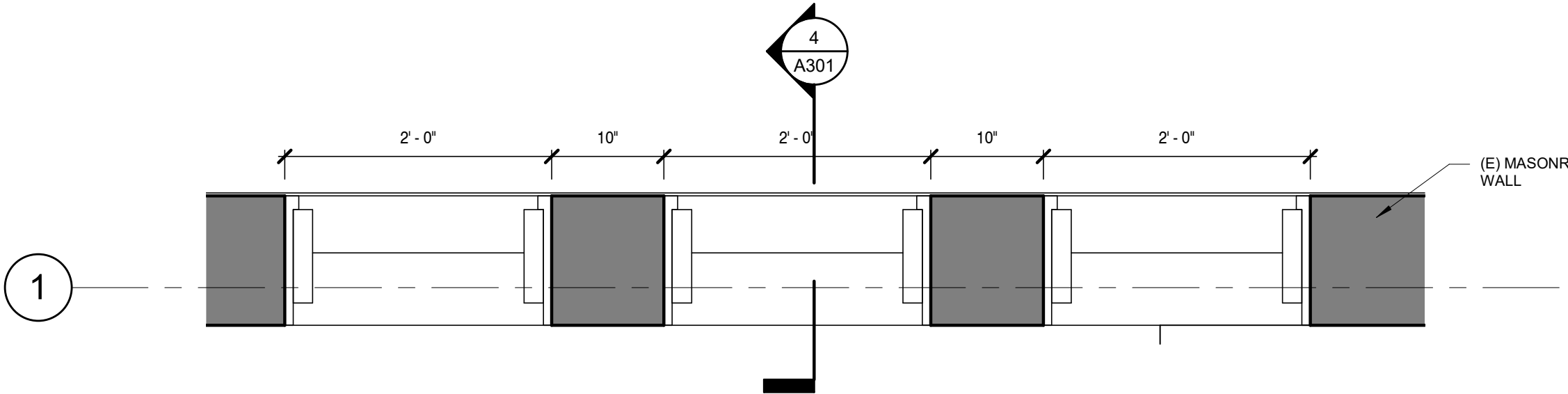
4 ENLARGED SECTION - LOBBY WINDOWS
1" = 1'-0"



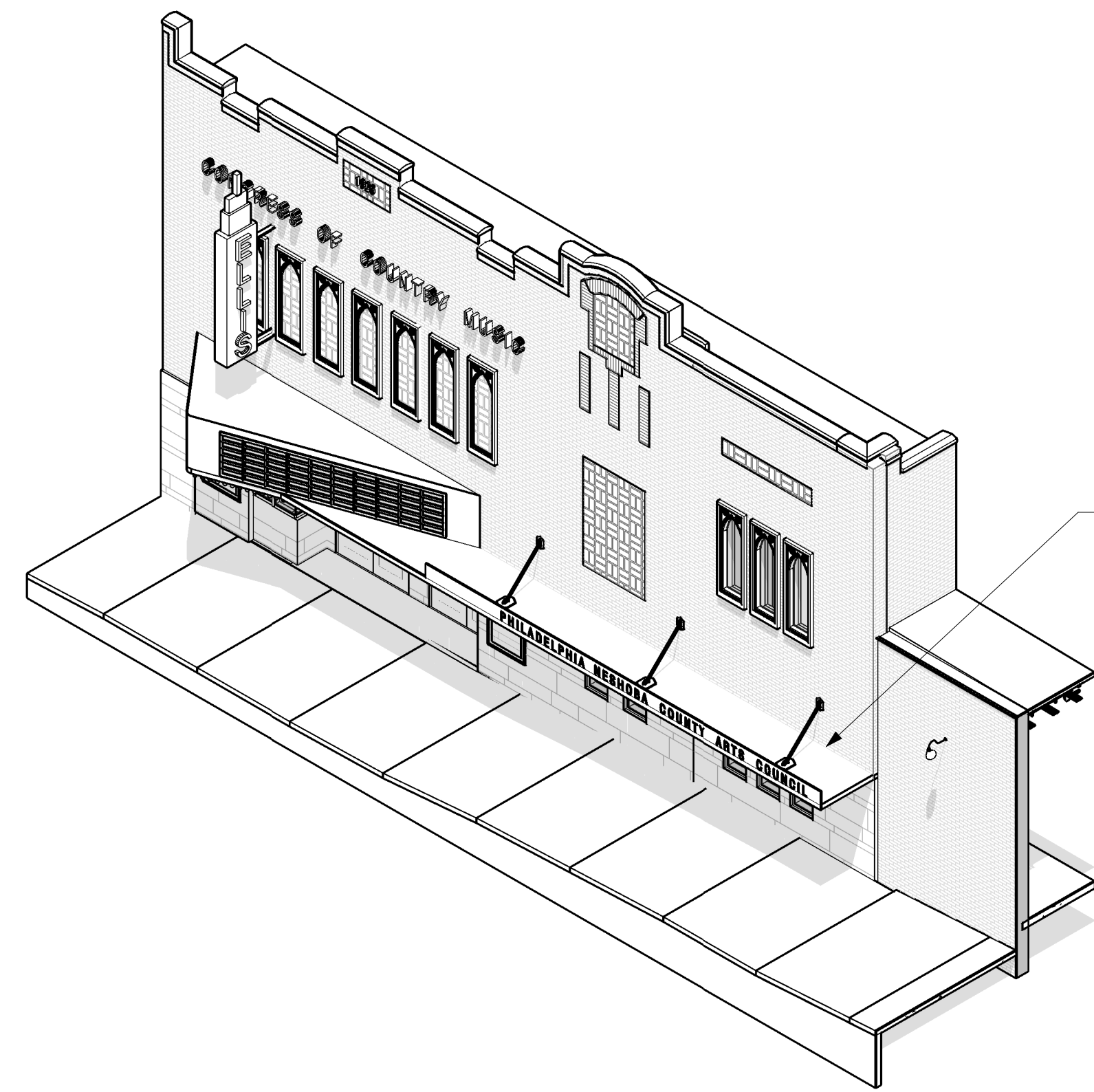
3 ENLARGED ELEVATION - LOBBY
WINDOWS
3/8" = 1'-0"



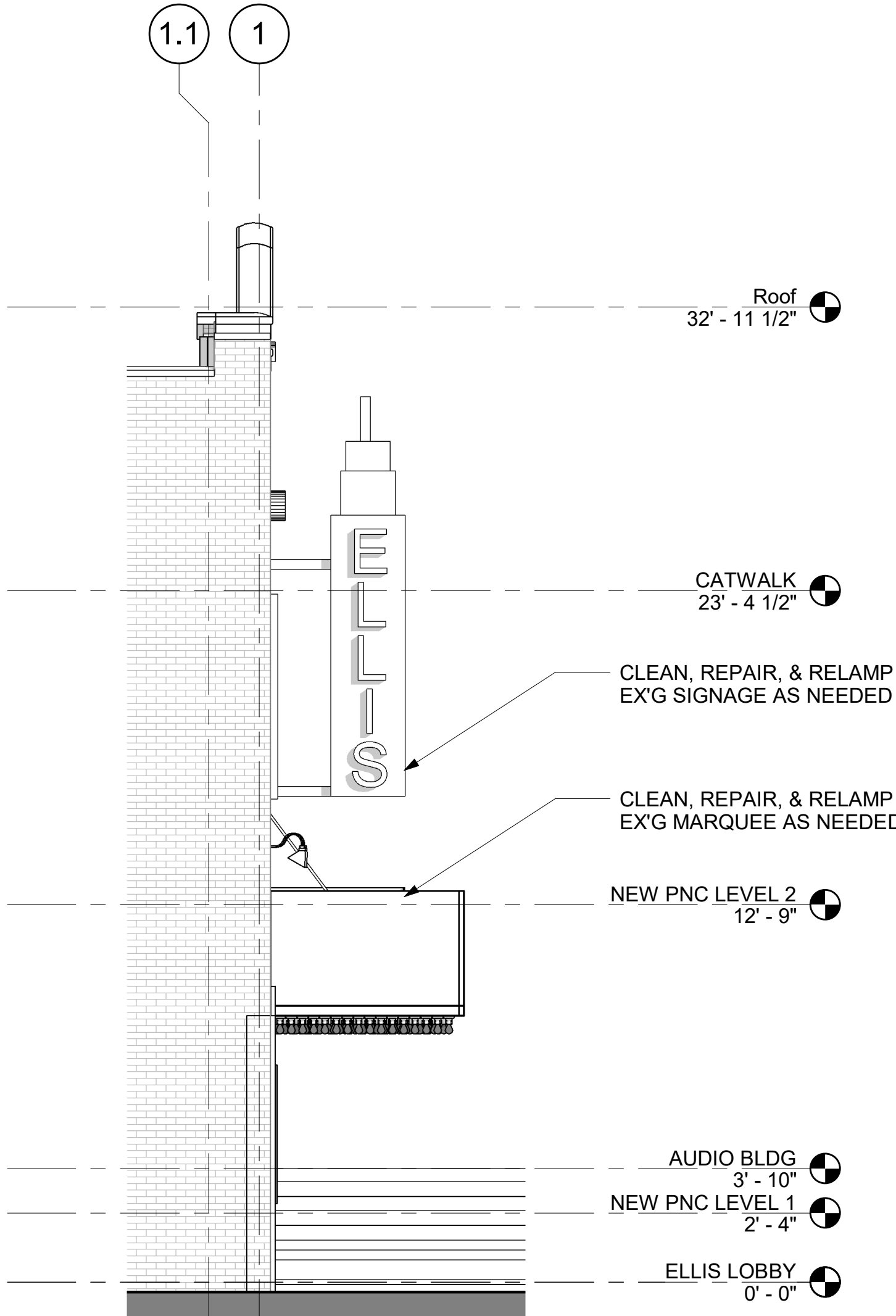
2 ENLARGED LOBBY WINDOW BALCONY
FLOOR PLAN
1" = 1'-0"



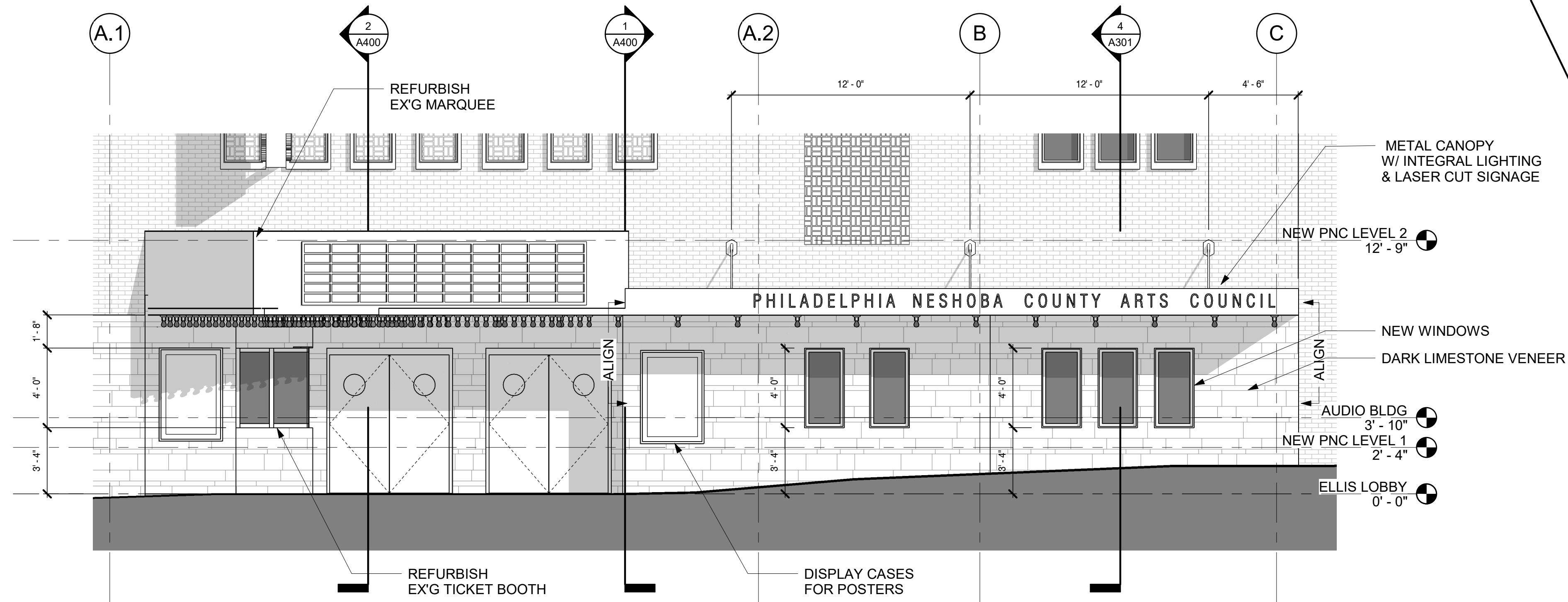
1 ENLARGED LOBBY WINDOW GROUND
FLOOR PLAN
1" = 1'-0"



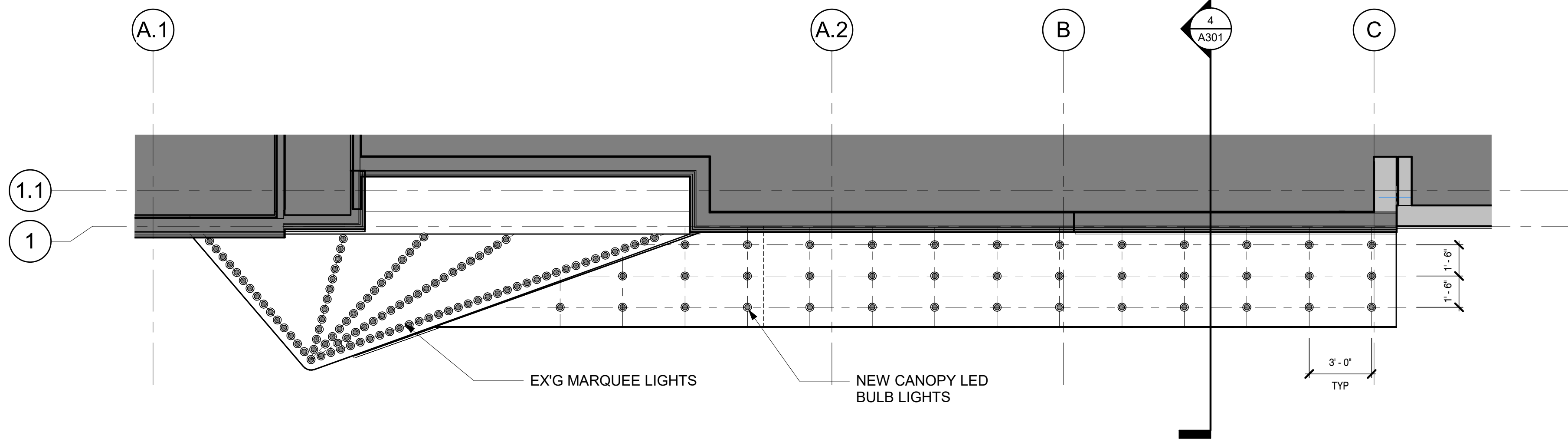
5 MARQUEE AXONOMETRIC



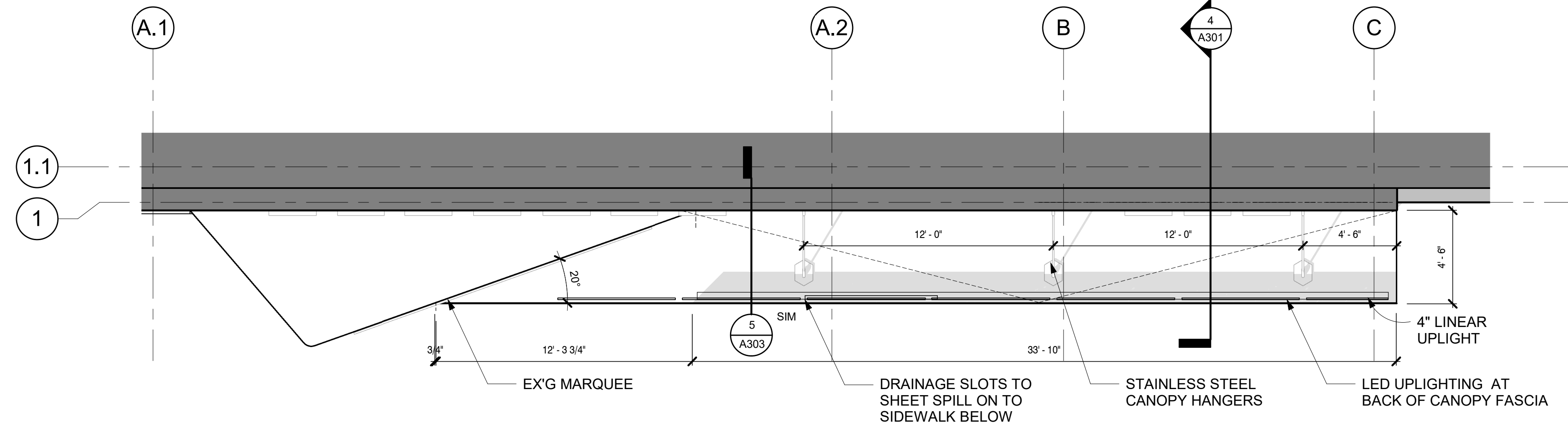
4 ENLARGED ELEVATION
1/4" = 1'-0"



3 ENLARGED ELEVATION - ENTRANCE
1/4" = 1'-0"



2 ENLARGED RCP - CANOPY
1/4" = 1'-0"



1 ENLARGED CANOPY PLAN
1/4" = 1'-0"

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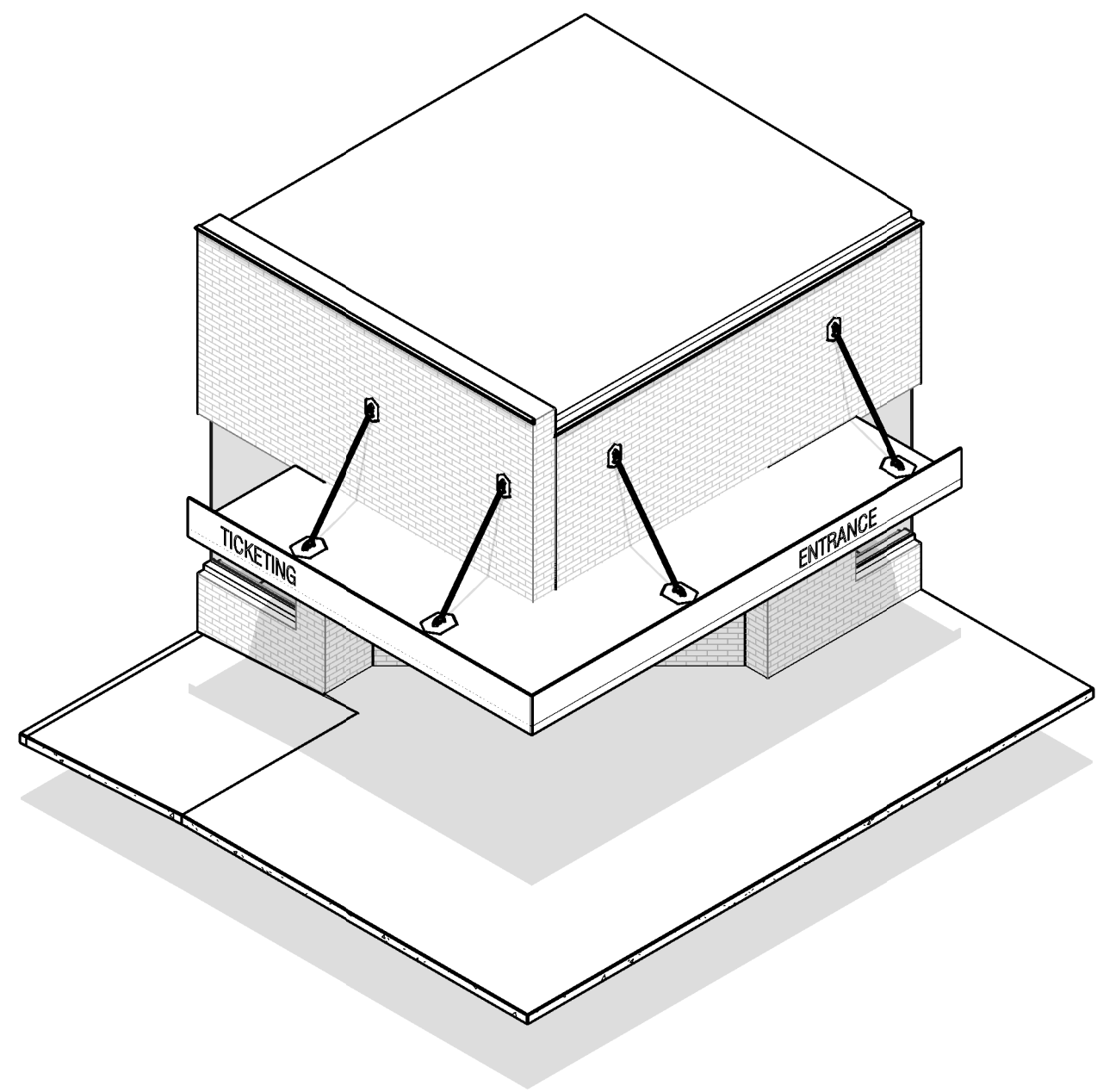
No: 01 CD SET

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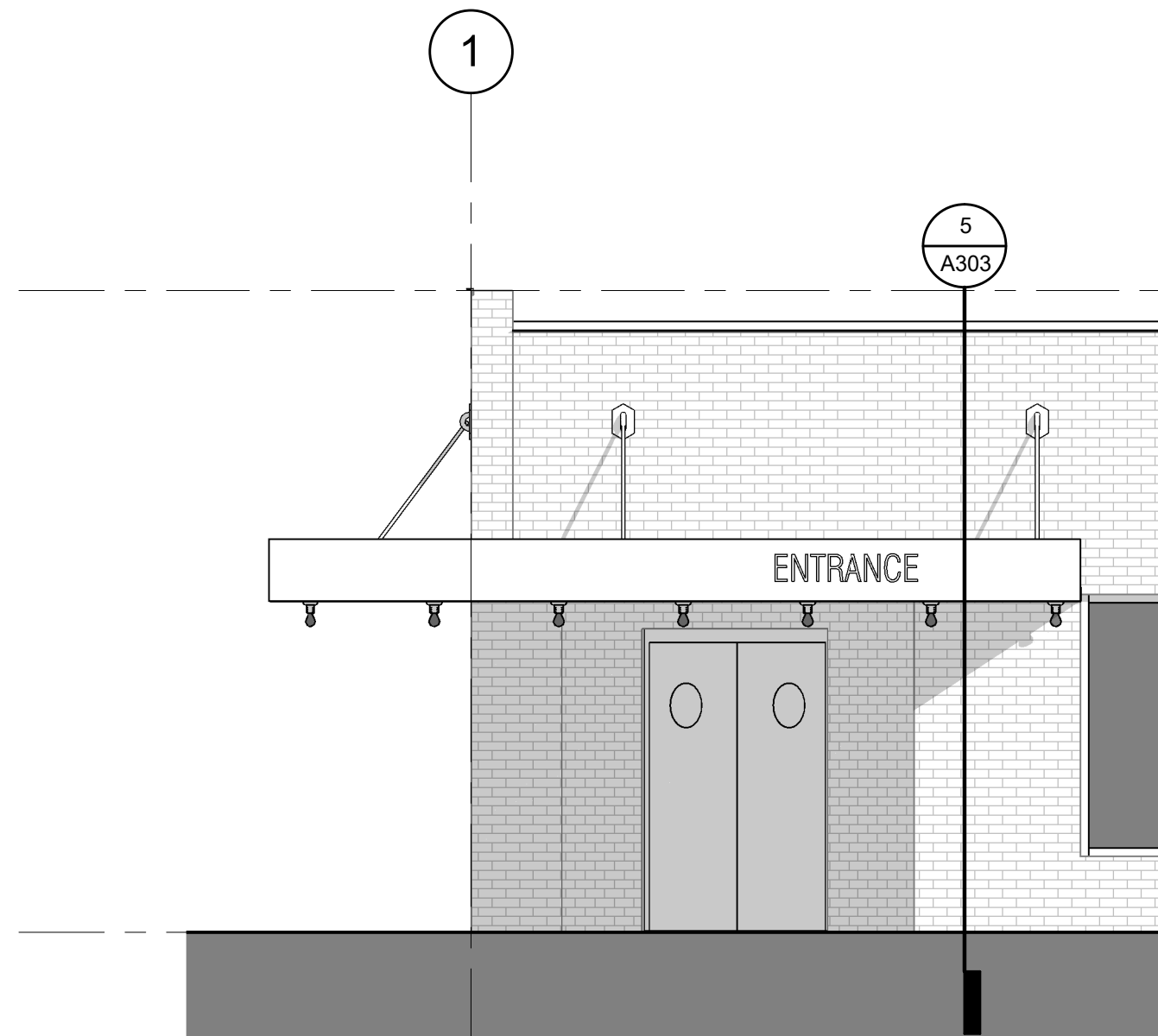
Drawing:

ENLARGED ELEVATIONS
- CANOPY

A302



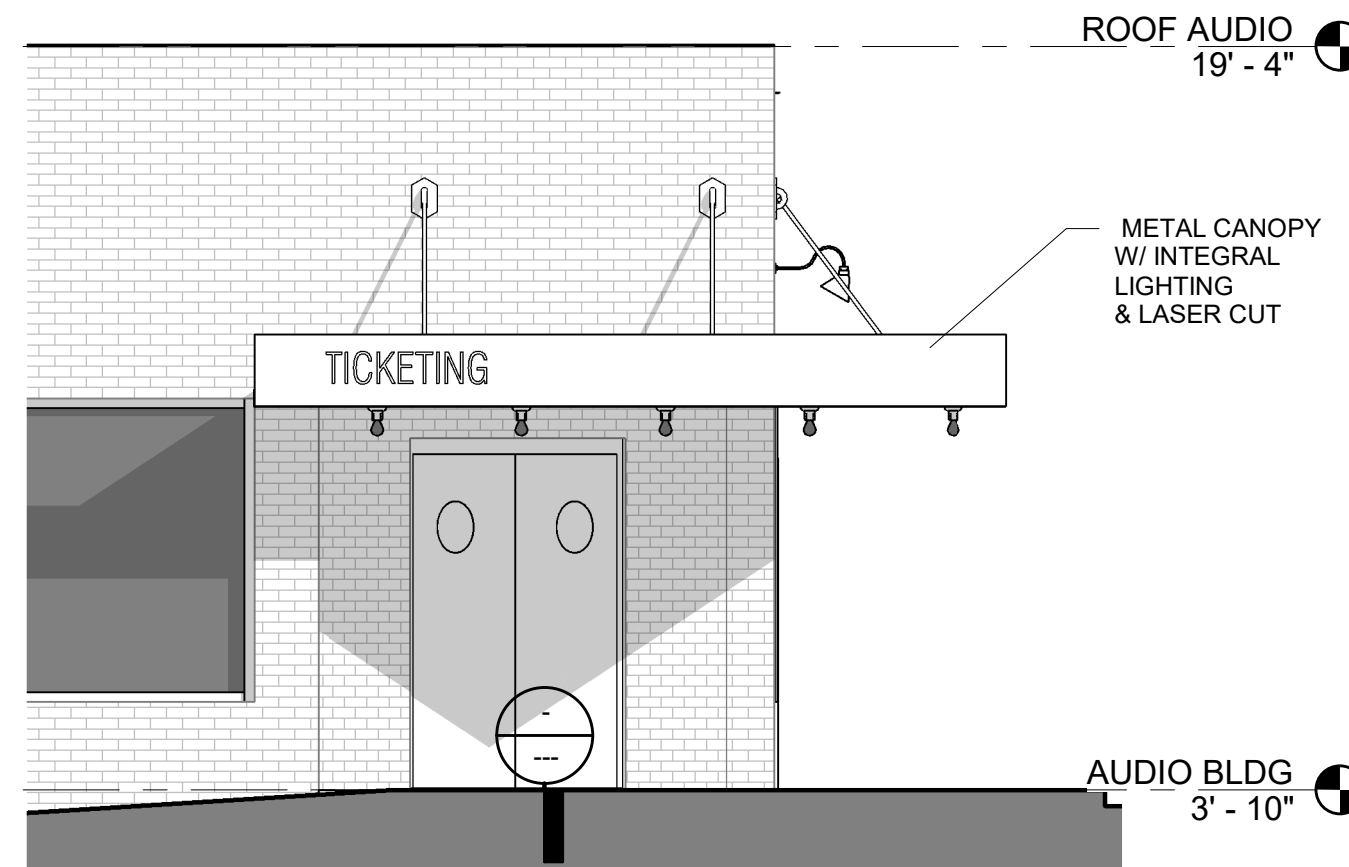
7 MARQUEE AXONOMETRIC AUDIO



6 ENLARGED ELEVATION - AUDIO NORTH
1/4" = 1'-0"

ROOF AUDIO
19' - 4"

AUDIO BLDG
3' - 10"

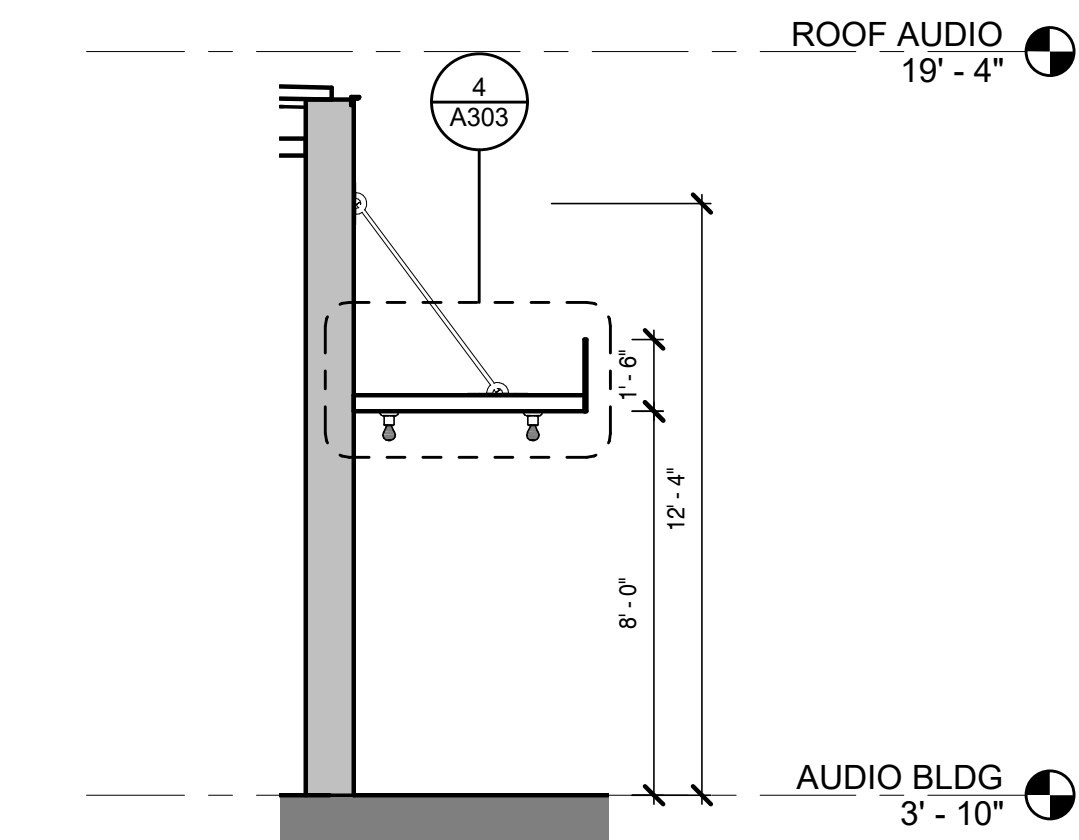


3 ENLARGED ELEVATION - AUDIO
1/4" = 1'-0"

ROOF AUDIO
19' - 4"

AUDIO BLDG
3' - 10"

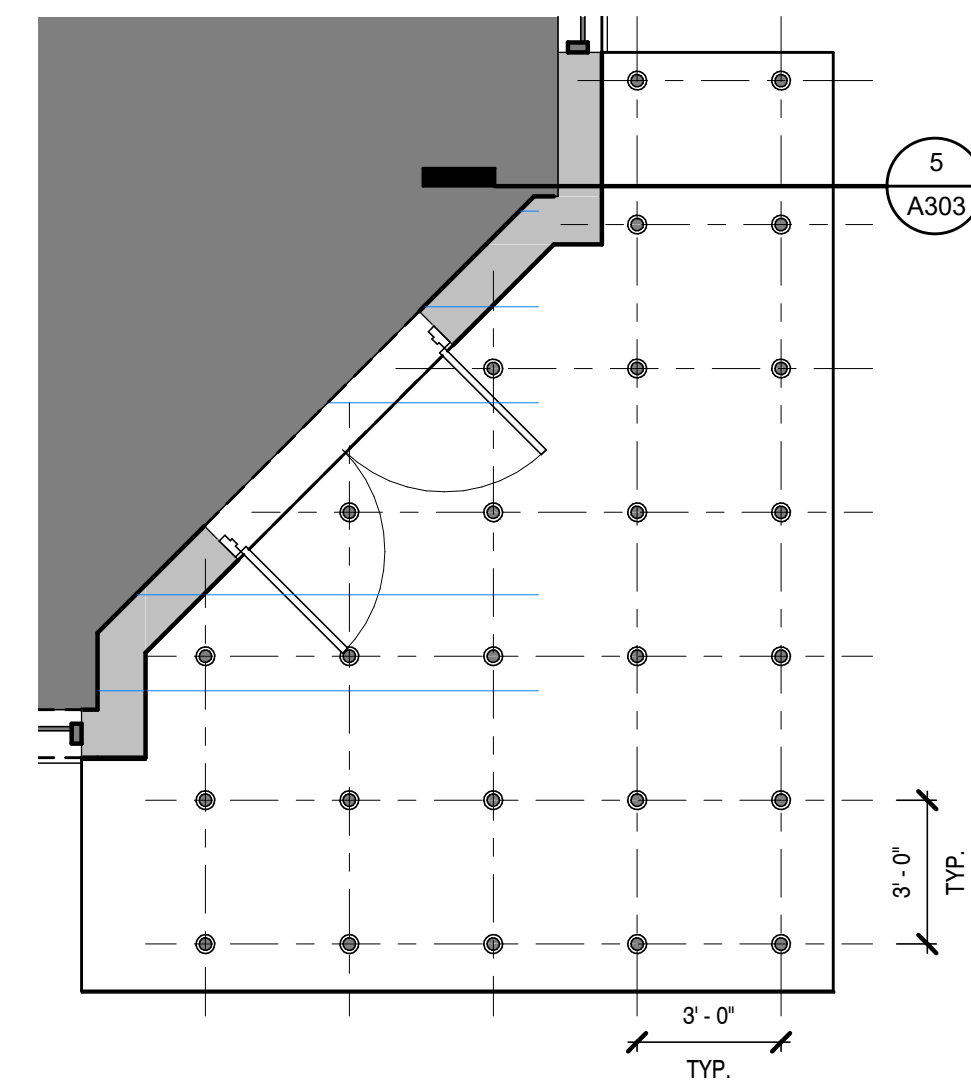
METAL CANOPY
W/ INTEGRAL
LIGHTING
& LASER CUT



5 AUDIO CANOPY SECTION
1/4" = 1'-0"

ROOF AUDIO
19' - 4"

AUDIO BLDG
3' - 10"

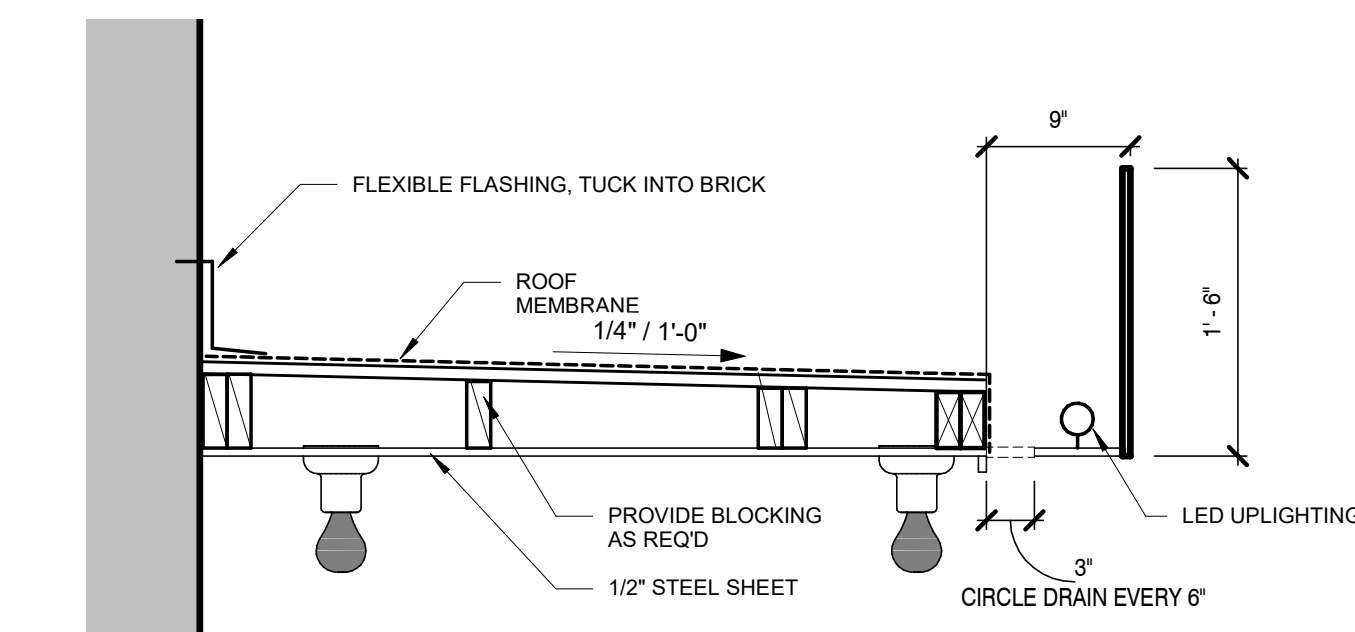


2 ENLARGED RCP - AUDIO CANOPY
1/4" = 1'-0"

5
A303

3'-0"
TYP.

3'-0"
TYP.



4 TYP. AWNING SECTION AUDIO AND
MARQUEE
1" = 1'-0"

FLEXIBLE FLASHING, TUCK INTO BRICK

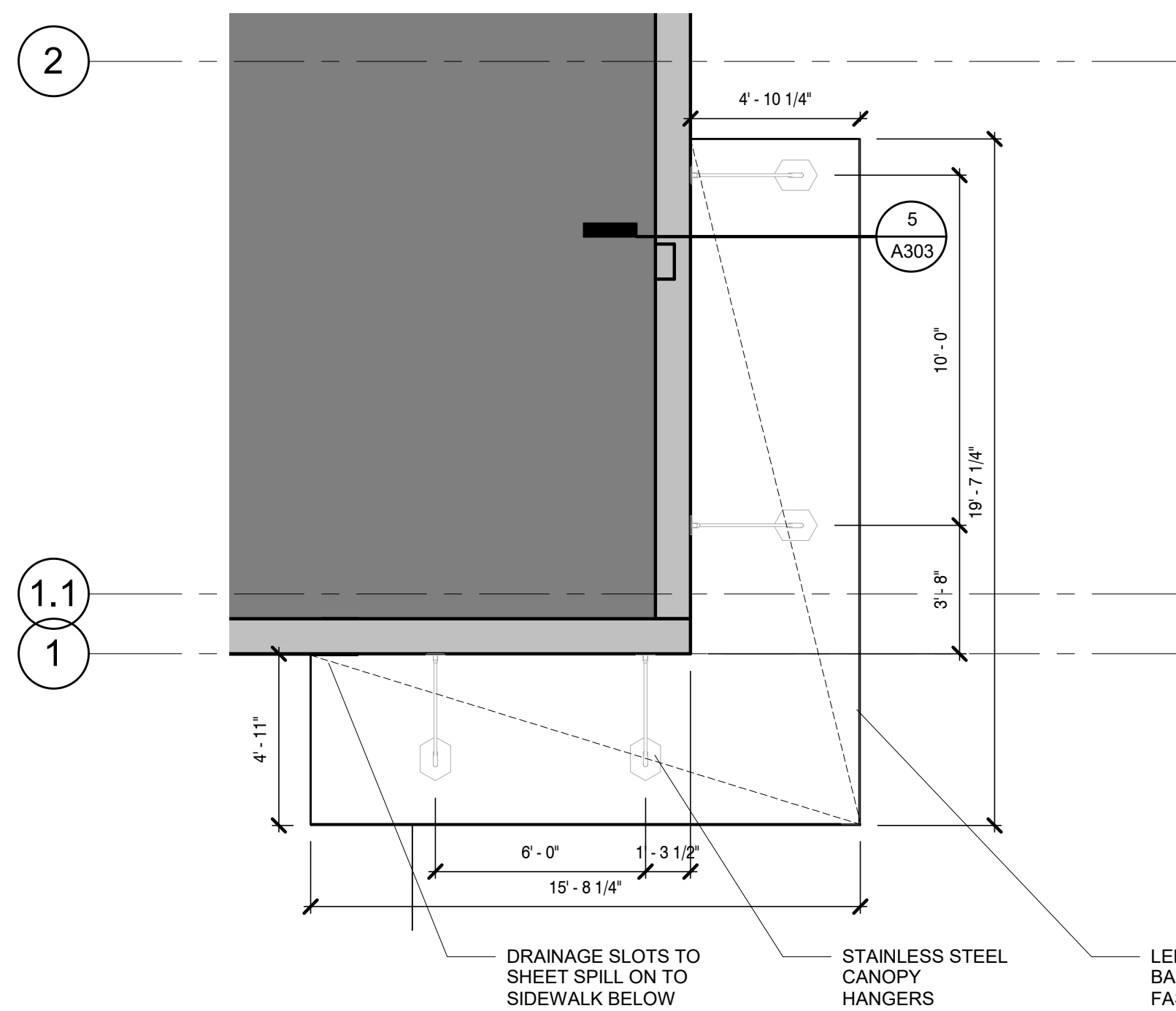
ROOF MEMBRANE
1/4" / 1'-0"

PROVIDE BLOCKING
AS REQ'D

1/2" STEEL SHEET

LED UPLIGHTING

CIRCLE DRAIN EVERY 6"



1 ENLARGED CANOPY PLAN - AUDIO
1/4" = 1'-0"

5
A303

10'-0"

19'-7 1/4"

3'-5"

4'-11"

6'-0"

1'-3 1/2"

15'-8 1/4"

DRAINAGE SLOTS TO
SHEET SPILL ON TO
SIDEWALK BELOW

STAINLESS STEEL
CANOPY
HANGERS

LED UPLIGHTING AT
BACK OF CANOPY
FASCIA

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Drawing:

ENLARGED ELEVATIONS
- AUDIO AWNING

A303

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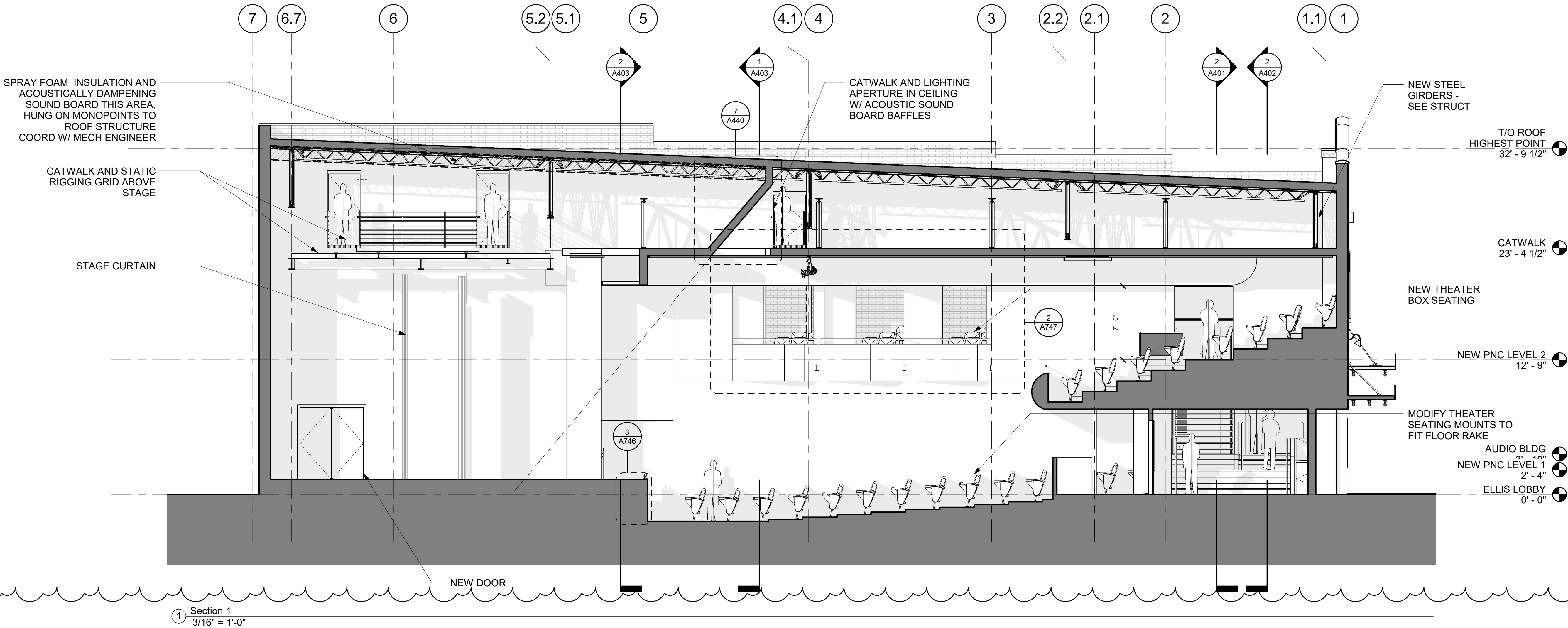
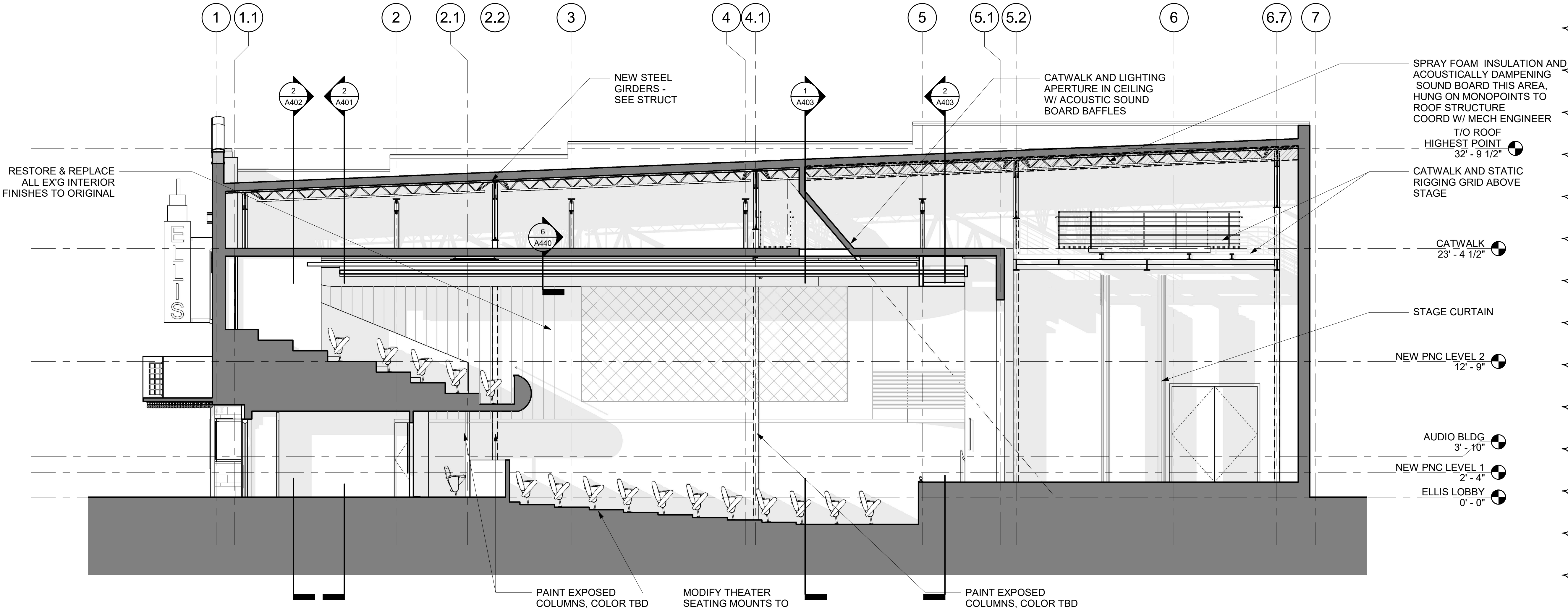
08/11/21
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Drawing:

BUILDING SECTIONS

A400

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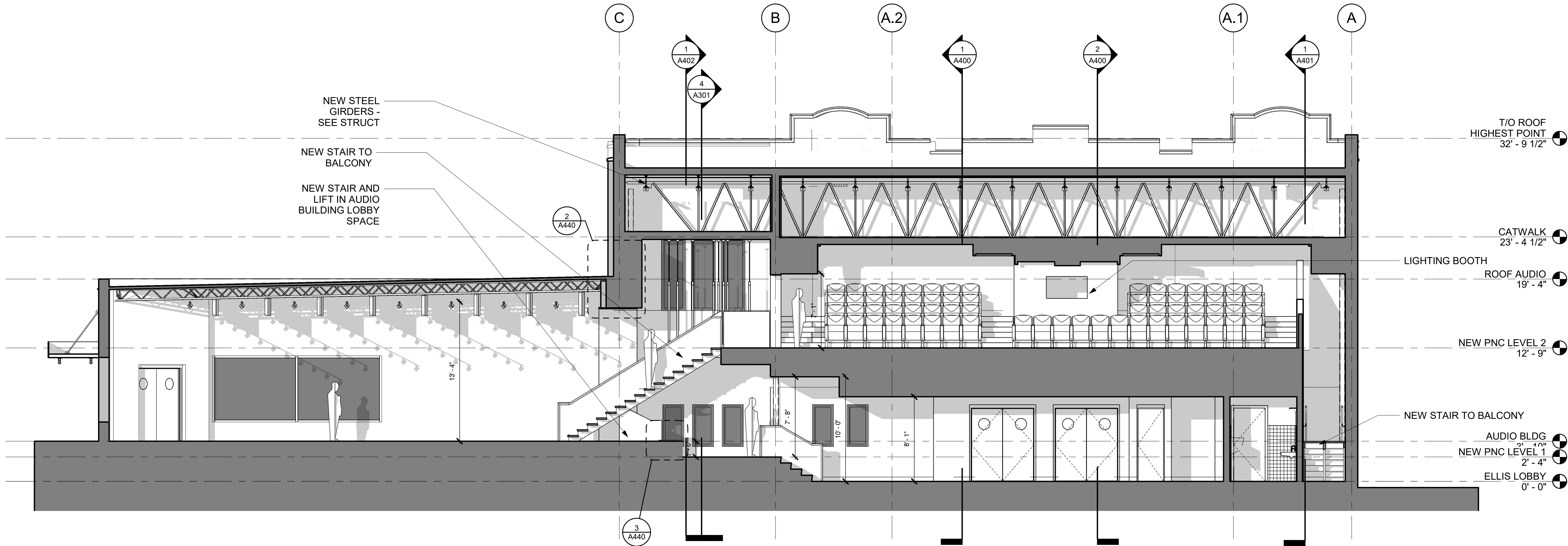
Project Site Address:
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DAAD Project Number:
197852
No: 01 CD SET
2 Revision 1
08/11/21
08/23/21

Drawing:

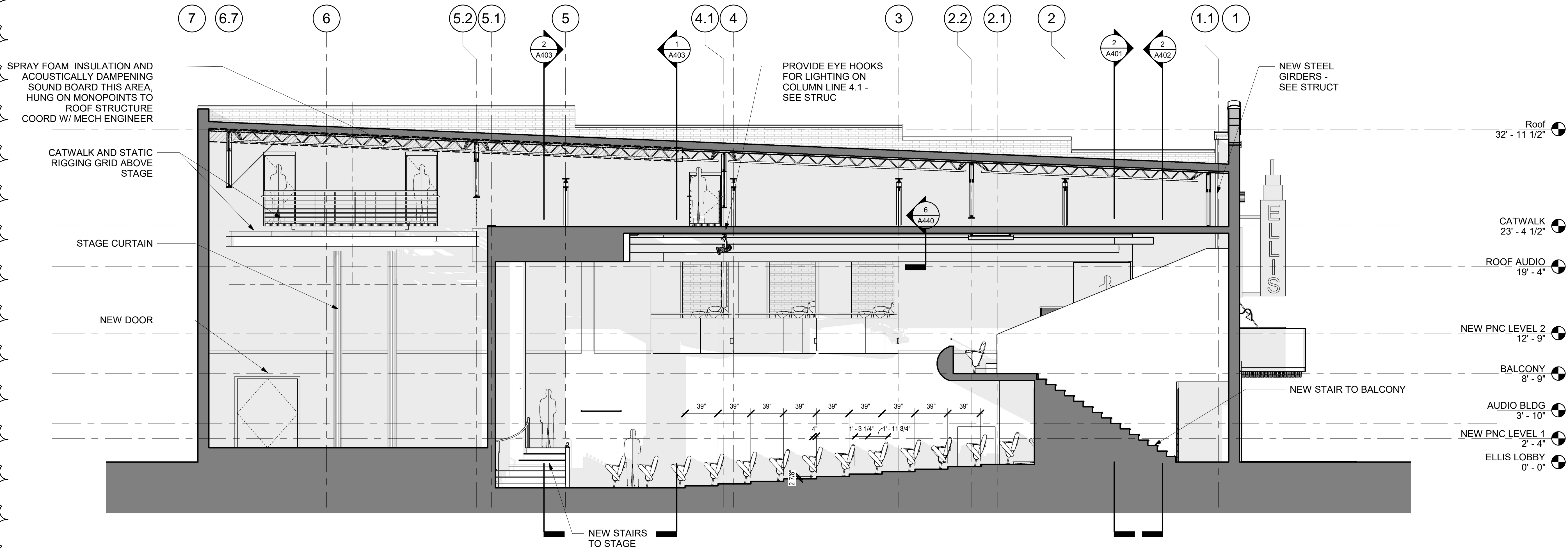
BUILDING SECTIONS

A401

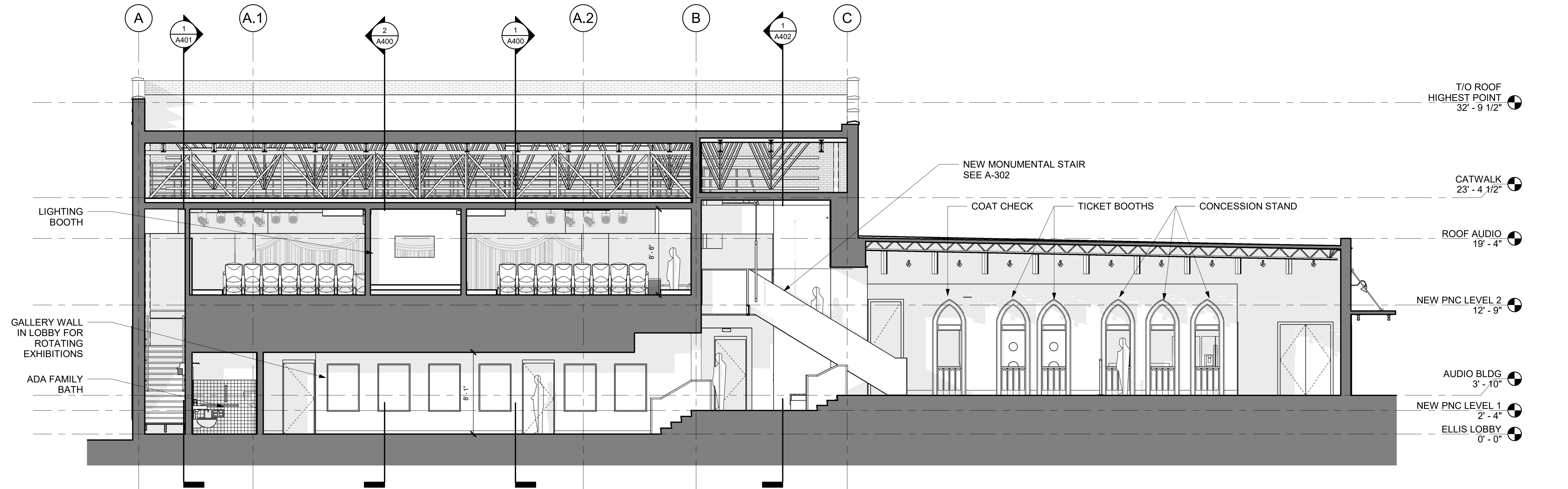
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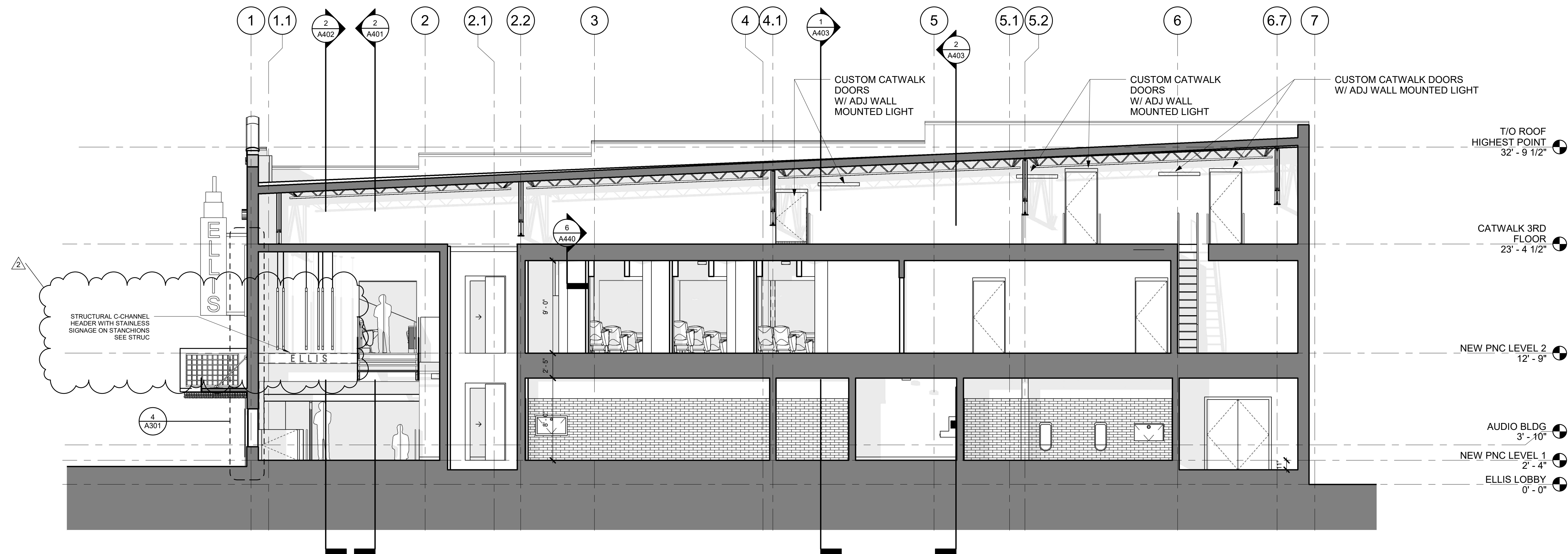
Section 5
3/16" = 1'-0"



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



② Section 9
3/16" = 1'-0"



① Section 10
3/16" = 1'-0"

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Drawing:

BUILDING SECTIONS

A402



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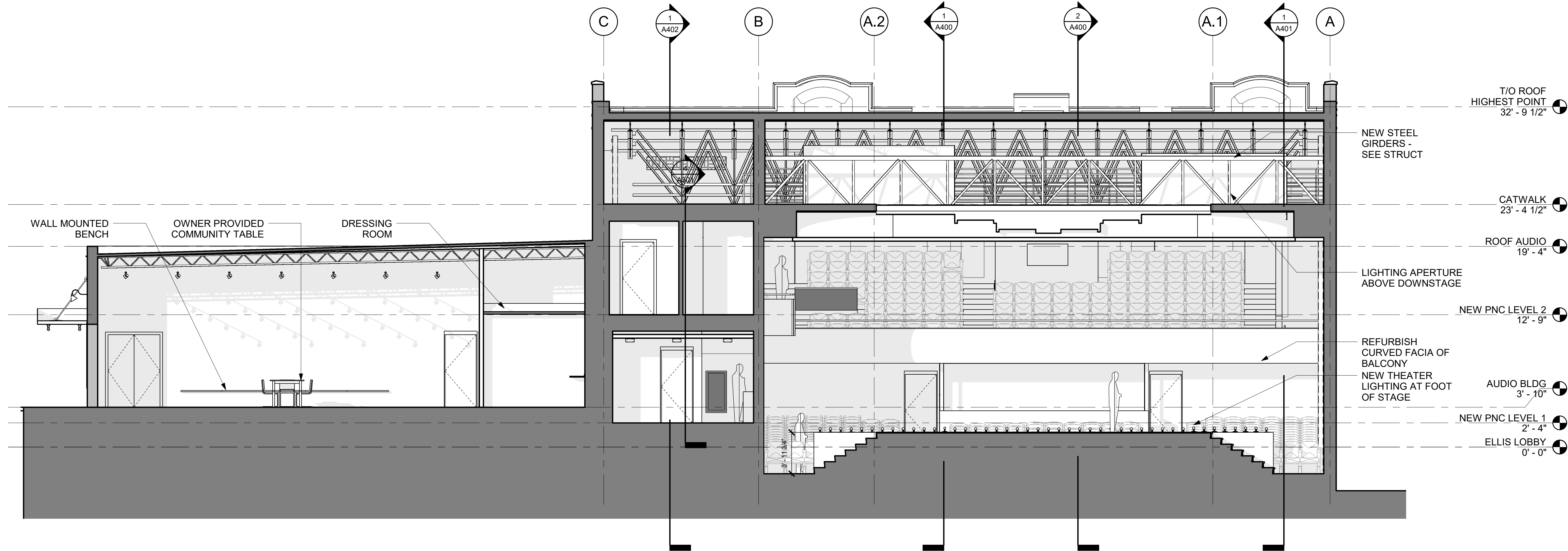
No: 01 CD SET

08/11/21

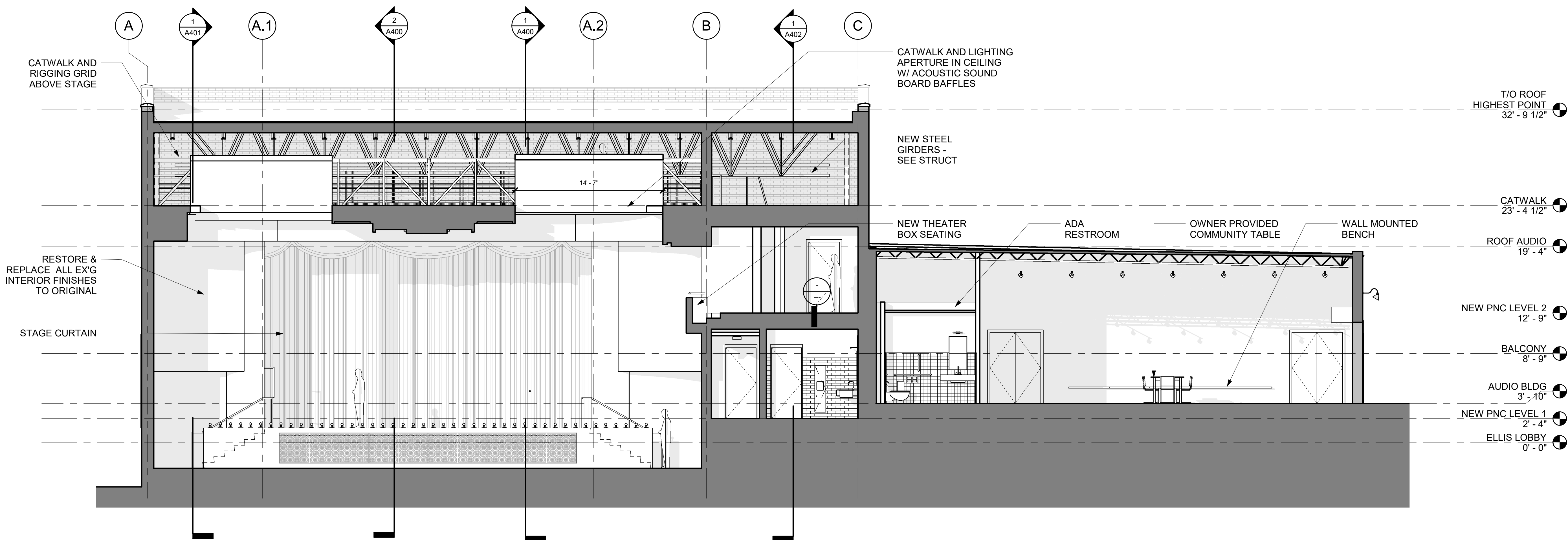
Drawing:

BUILDING SECTIONS

A403



② Section 6
3/16" = 1'-0"



① Section 3
3/16" = 1'-0"



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DAAD Project Number:
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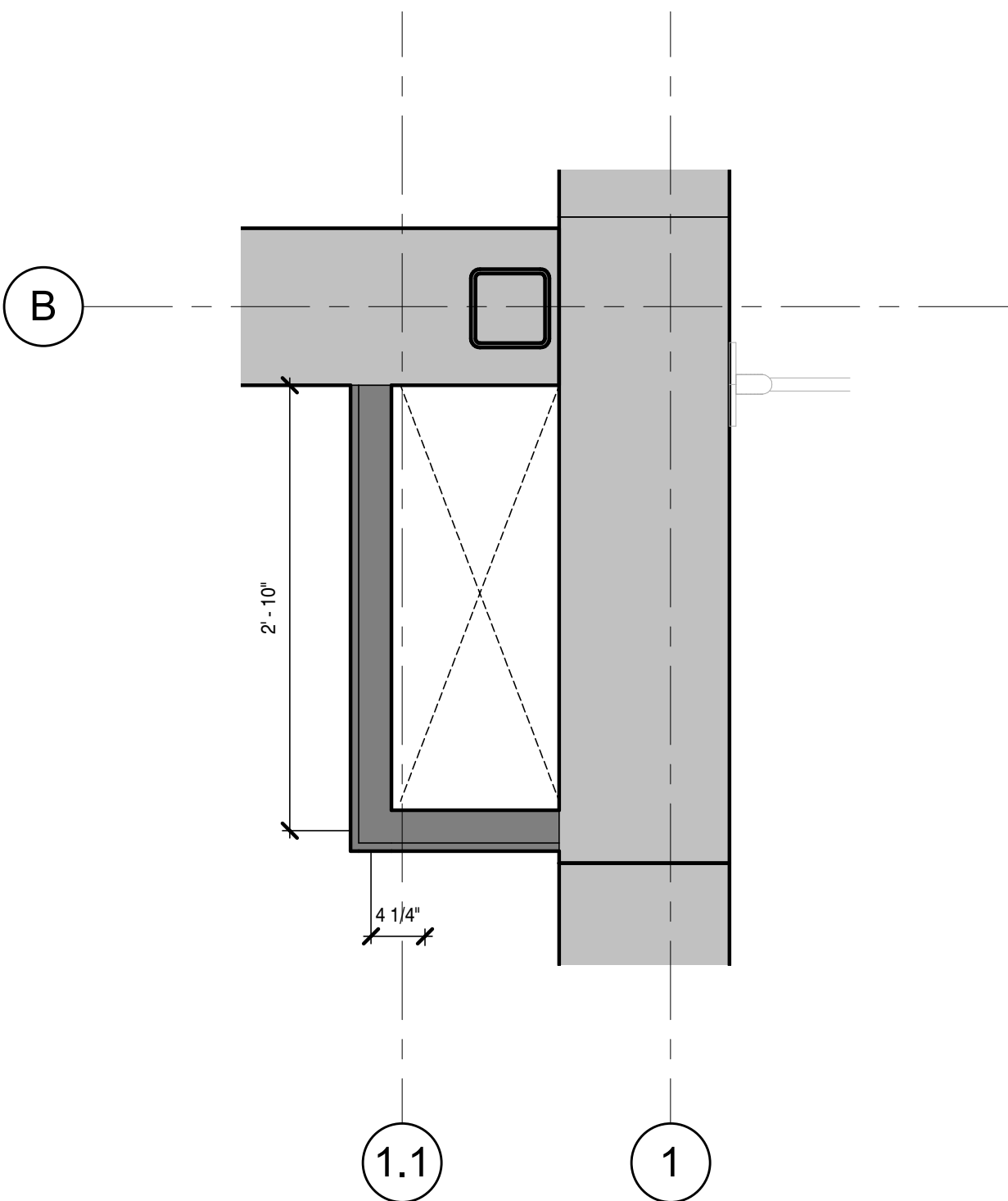
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2 Revision 1

08/11/21
08/23/21

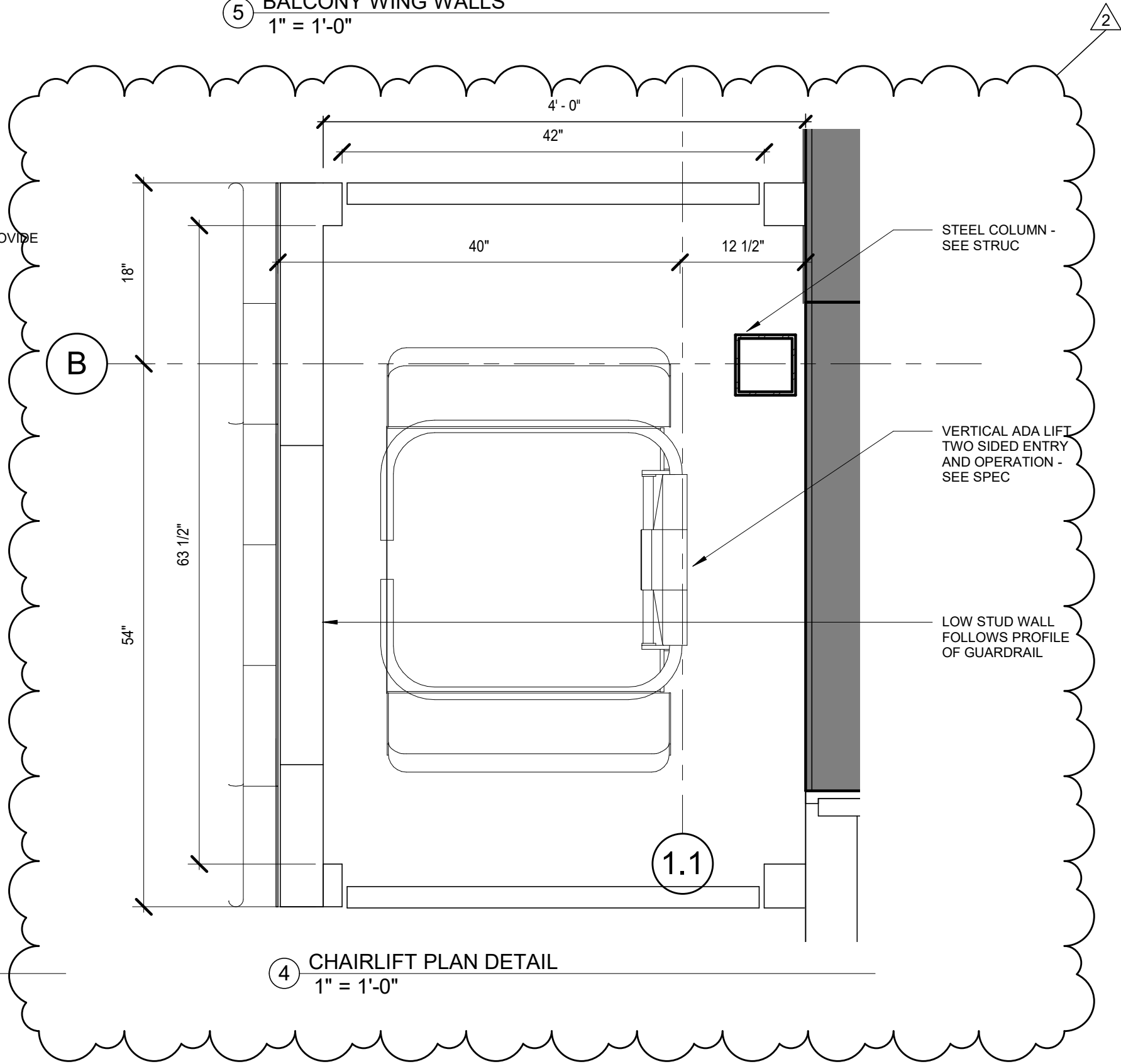
Drawing:

DETAILS

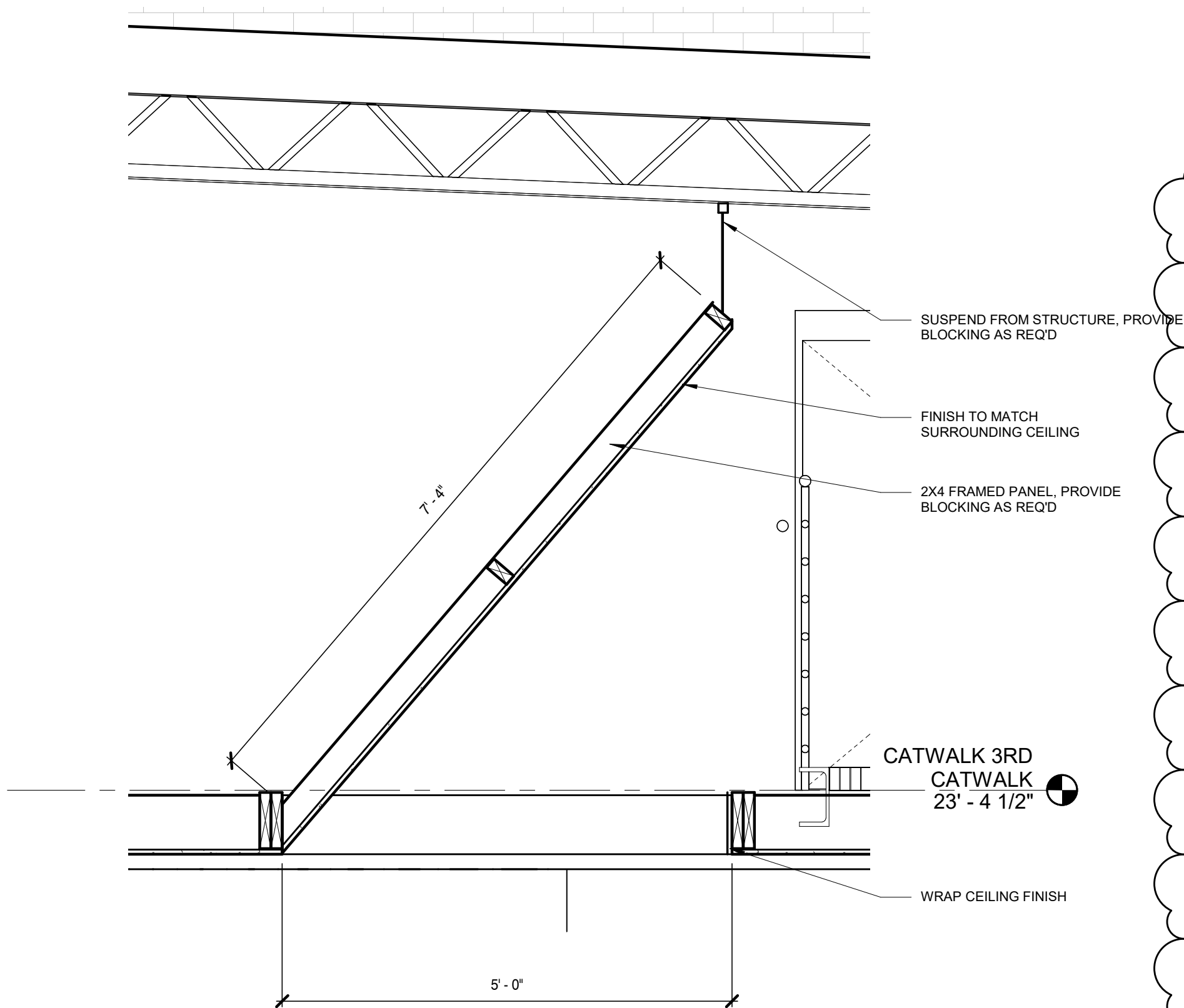
A440



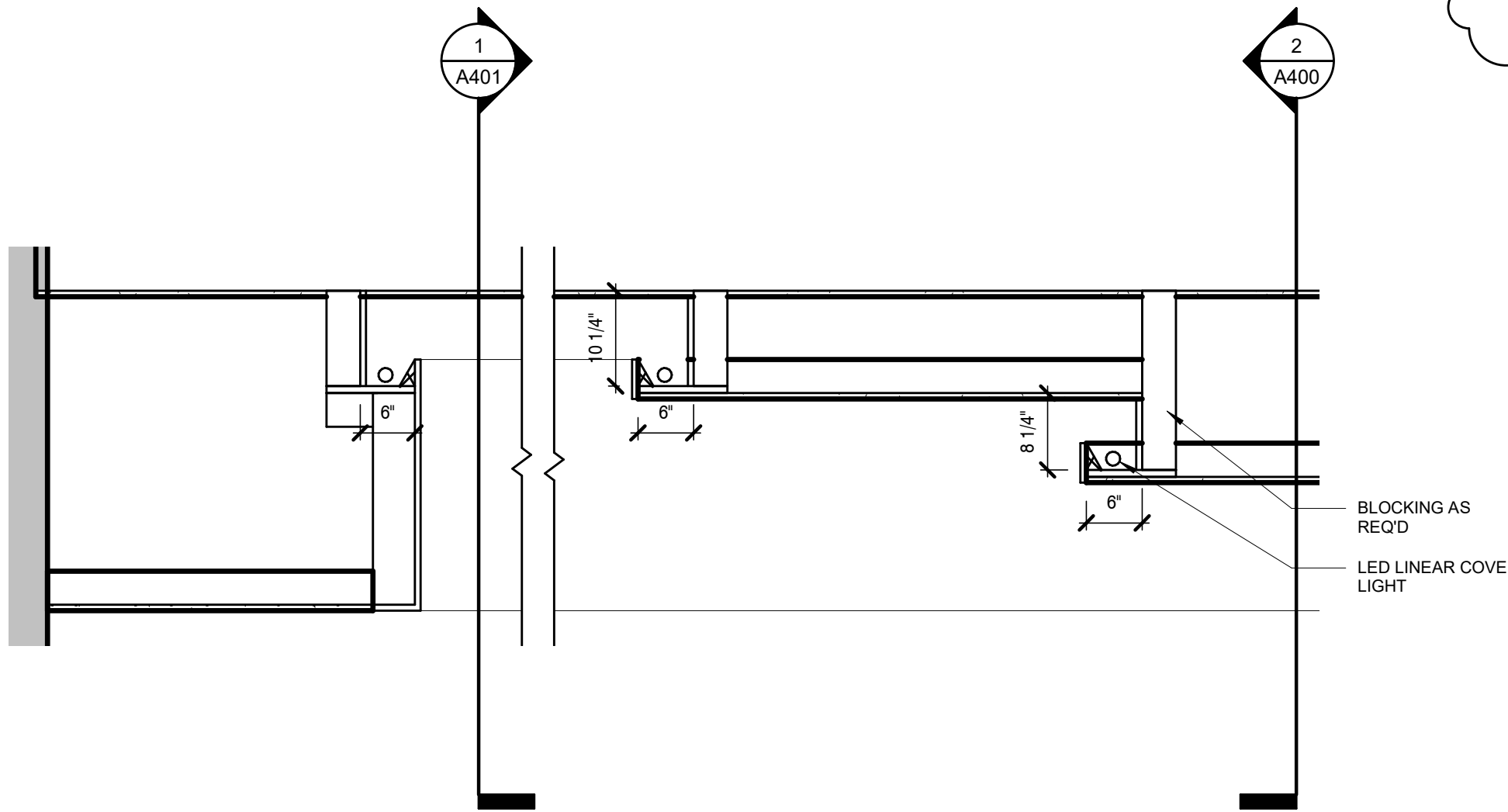
5 BALCONY WING WALLS
1" = 1'-0"



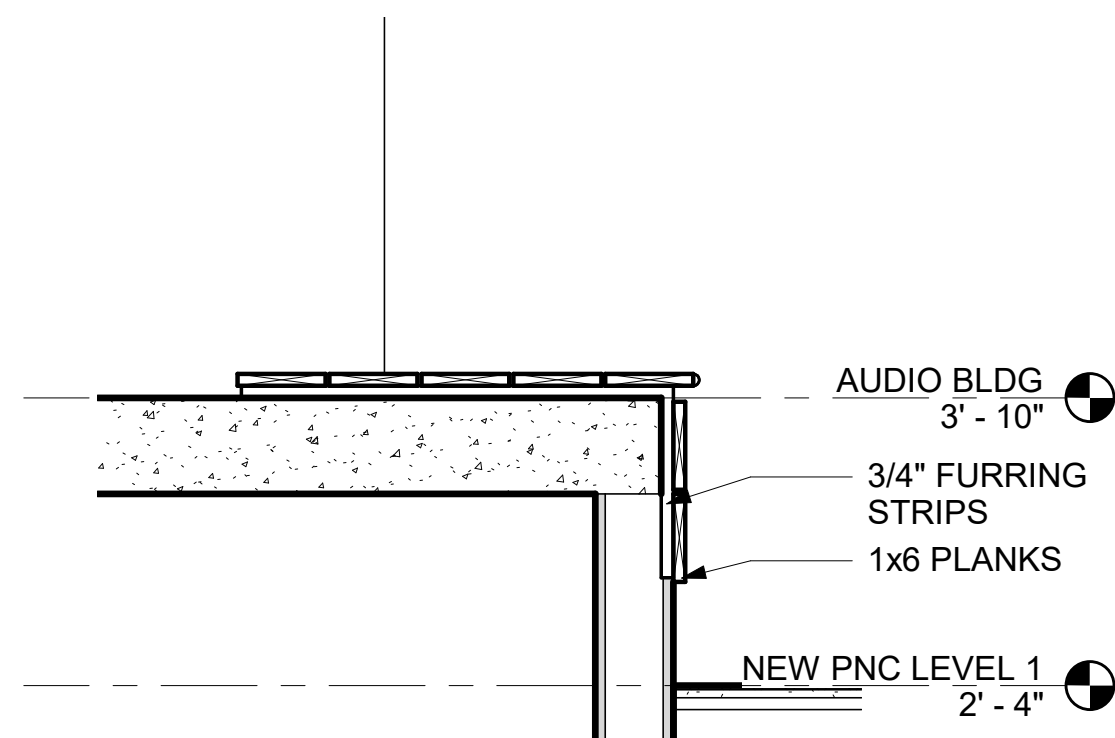
4 CHAIRLIFT PLAN DETAIL
1" = 1'-0"



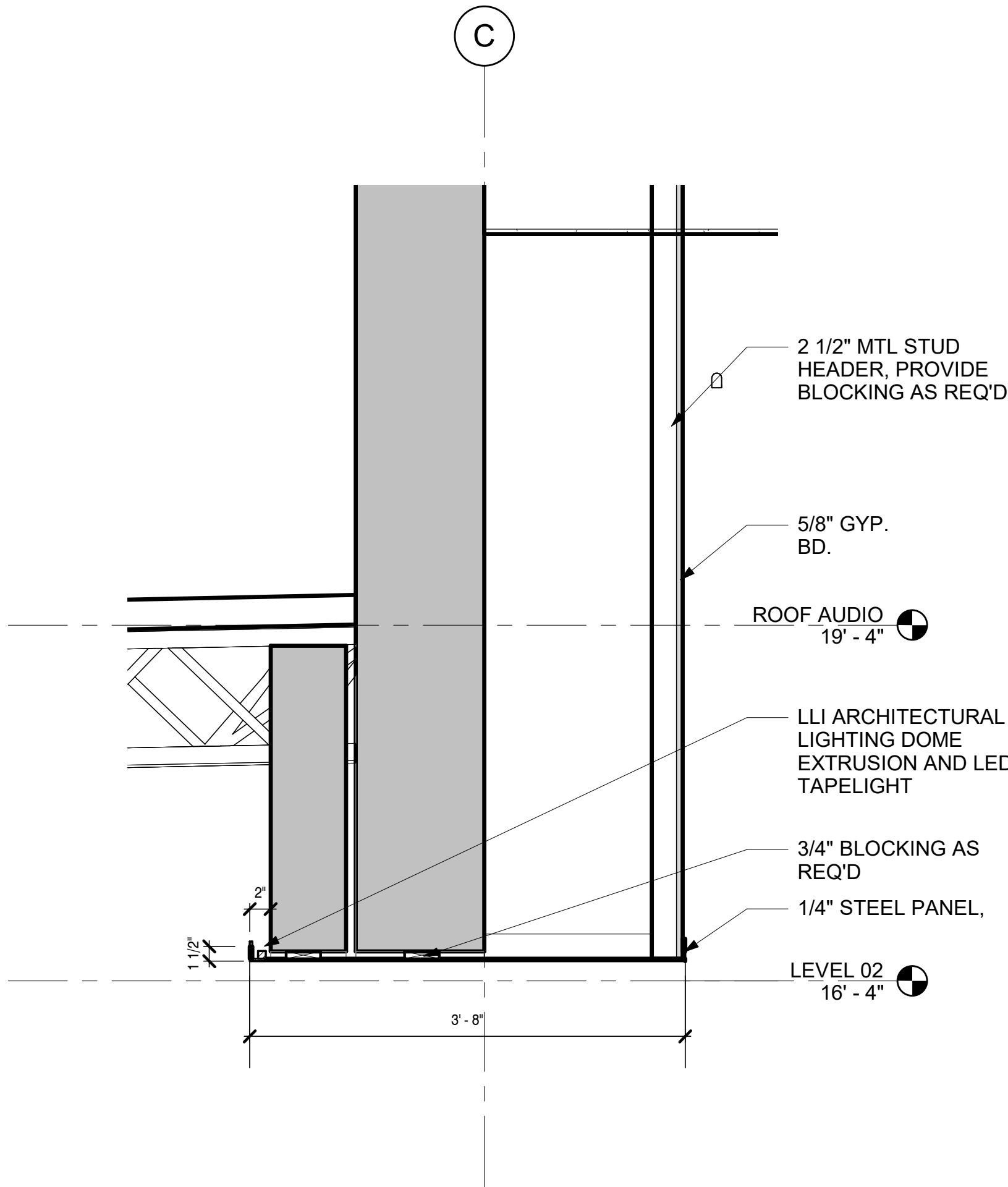
7 THEATER CEILING CATWALK OPENING
3/4" = 1'-0"



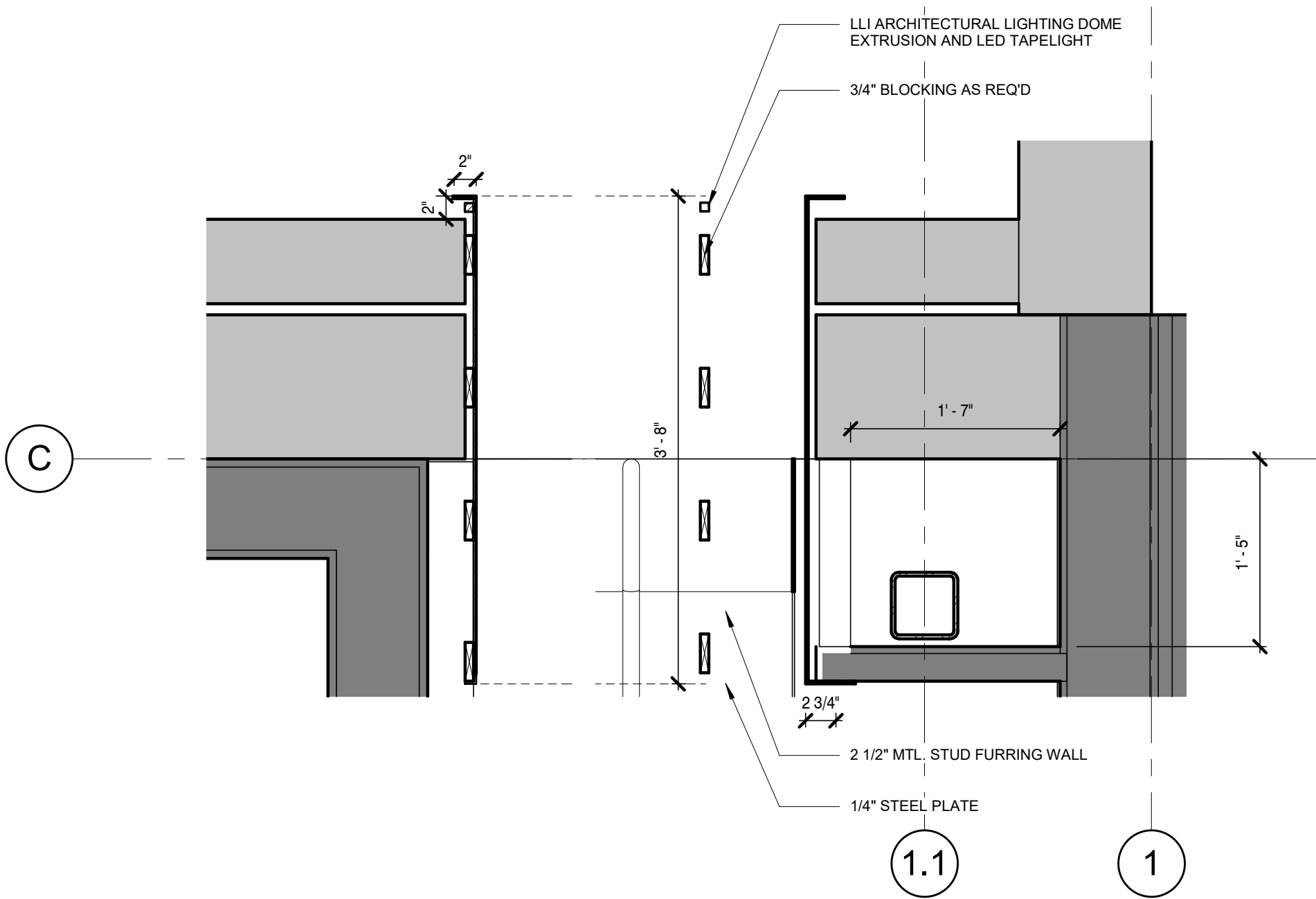
6 THEATER CEILING SECTION
3/4" = 1'-0"



3 BENCH DETAIL SECTION
1" = 1'-0"



2 PORTAL HEADER SECTION DETAIL
1" = 1'-0"



1 LOBBY CONNECTION PLAN DETAIL
1" = 1'-0"



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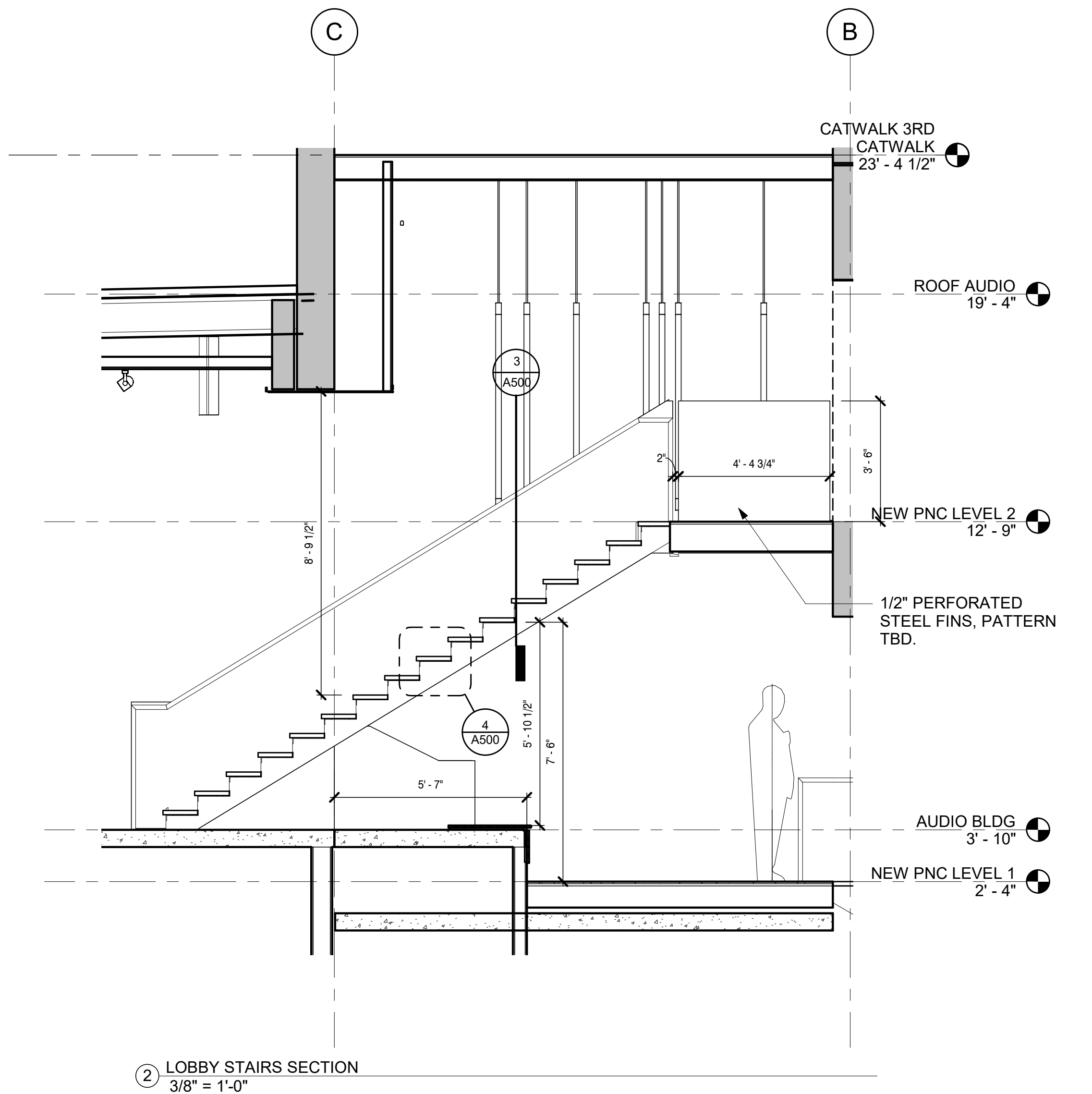
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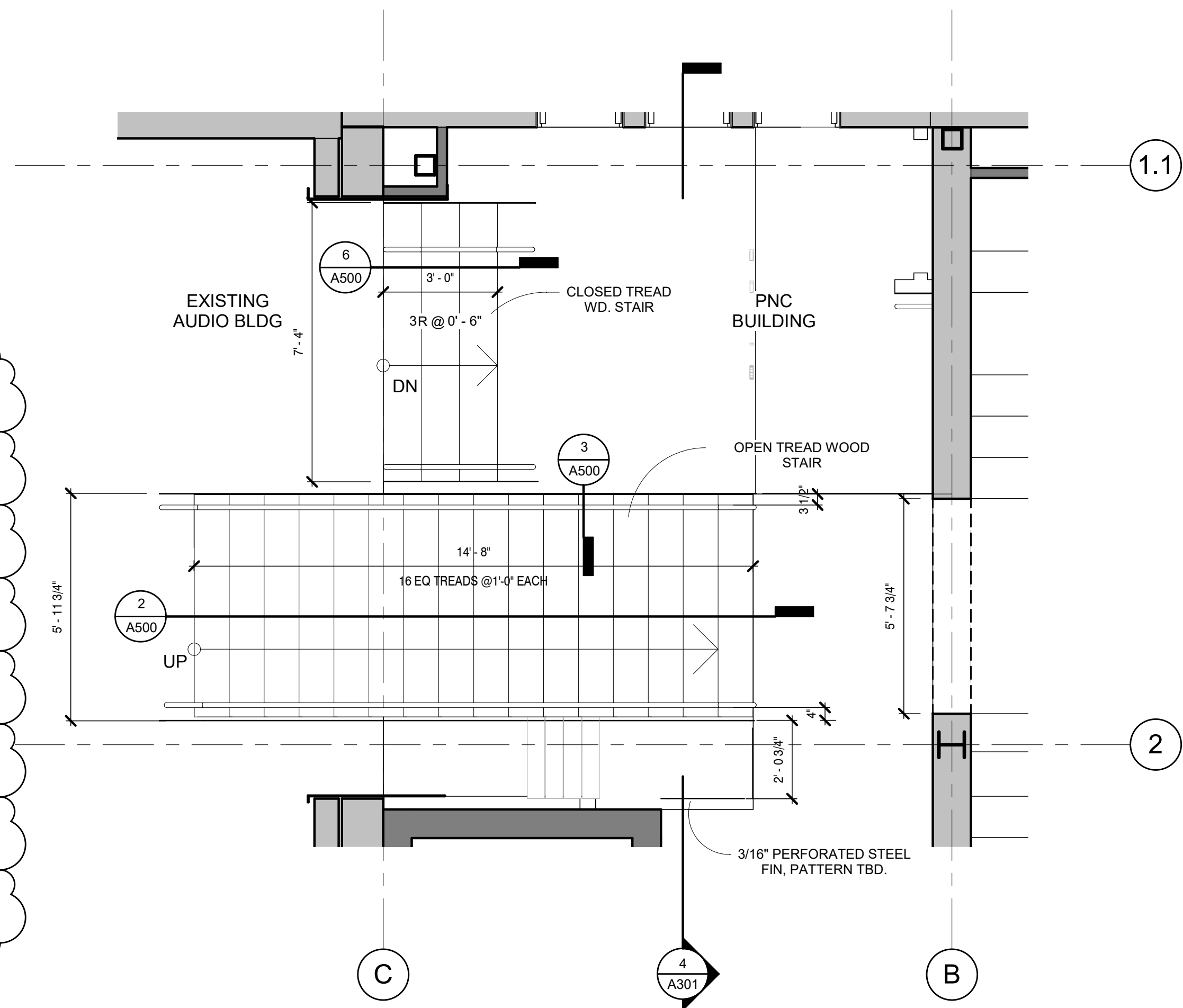
Drawing:

LOBBY STAIR PLANS
SECTION, DETAILS

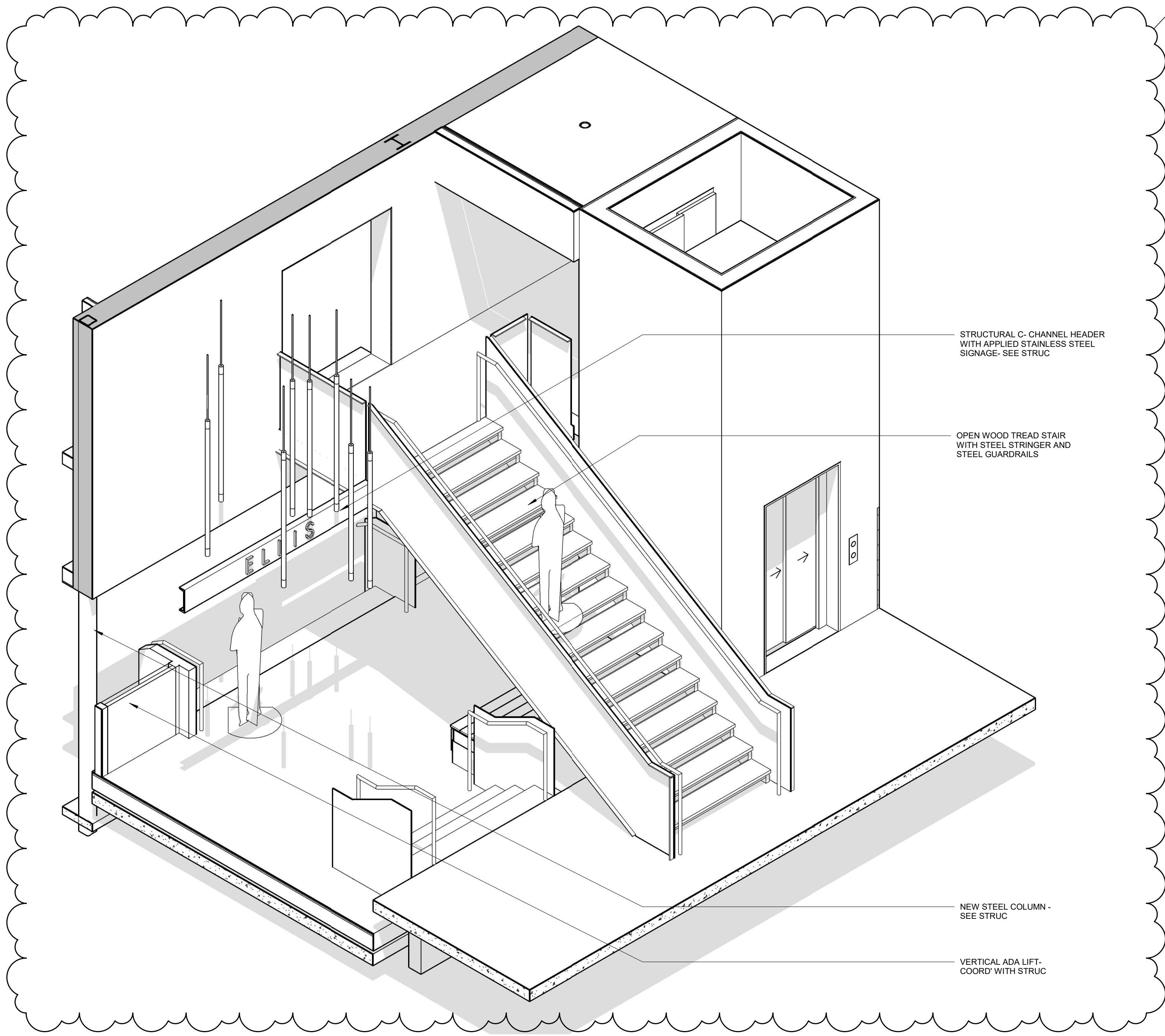
A500



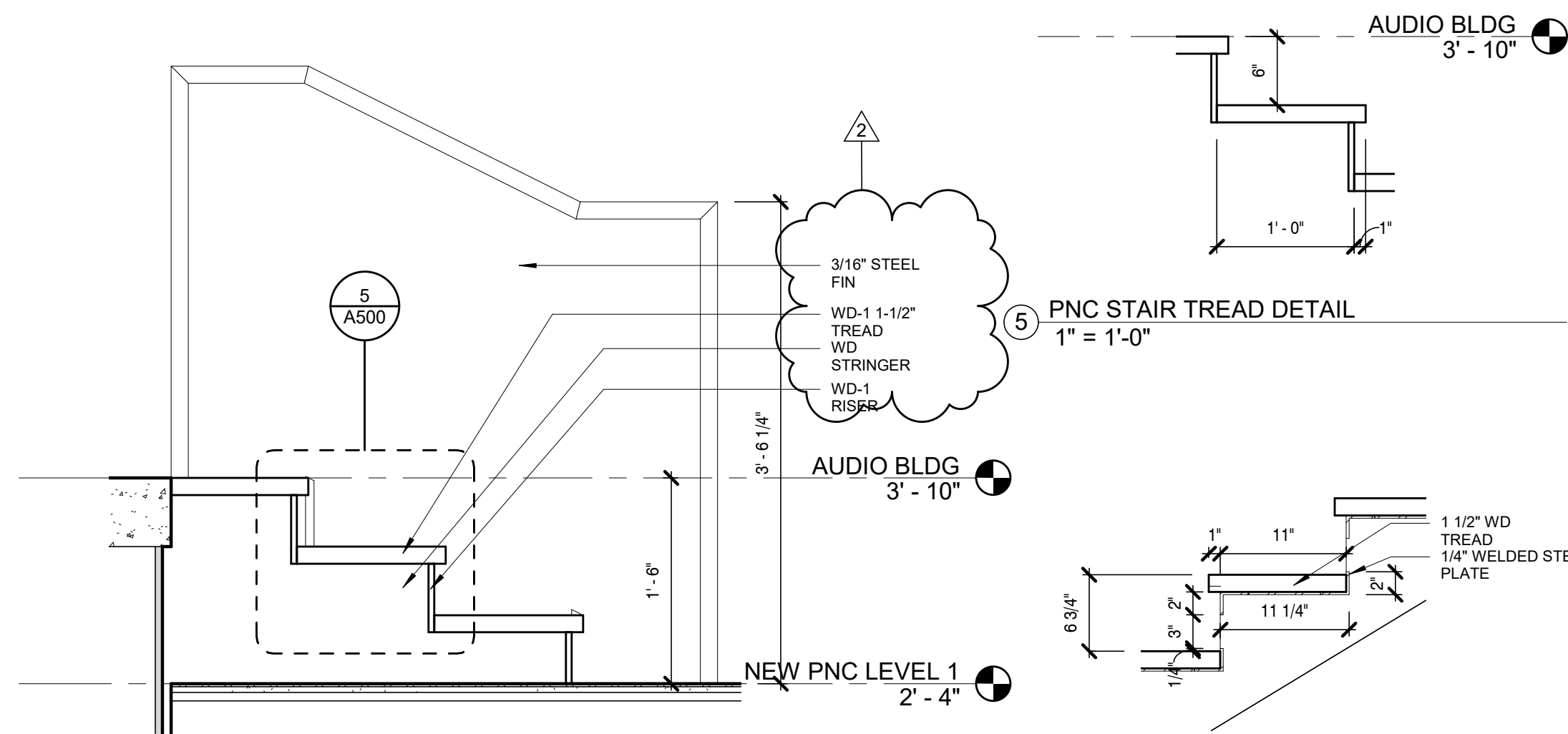
② LOBBY STAIRS SECTION
3/8" = 1'-0"



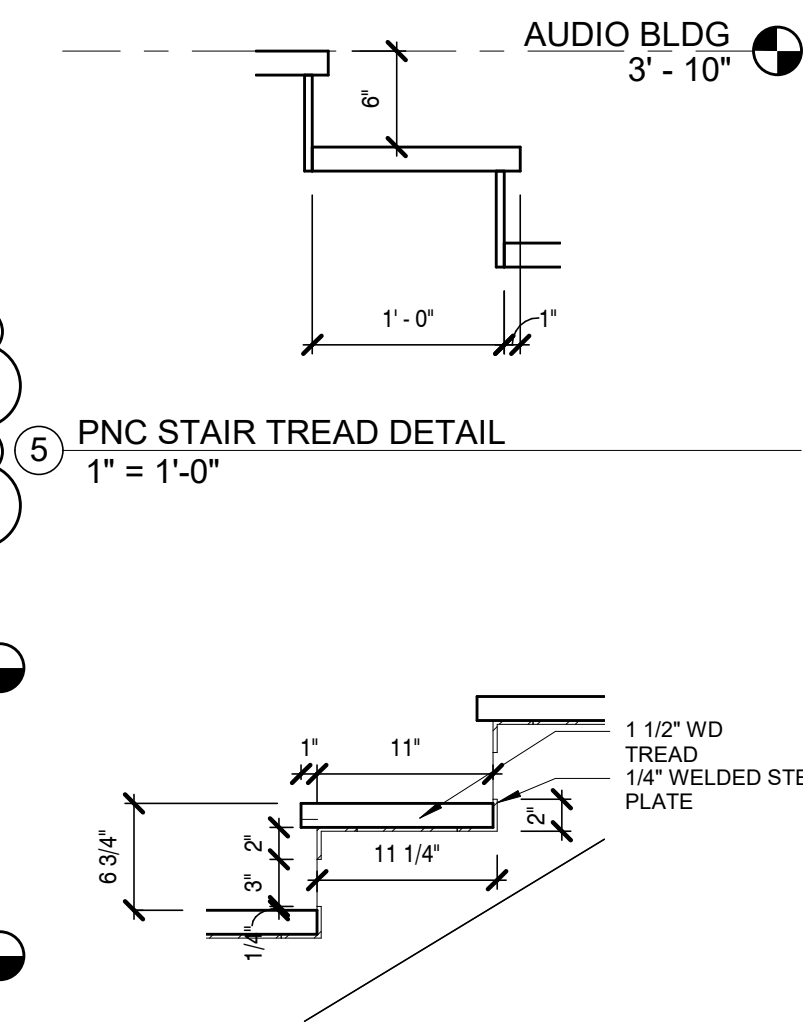
① ENLARGED STAIR PLAN
3/8" = 1'-0"



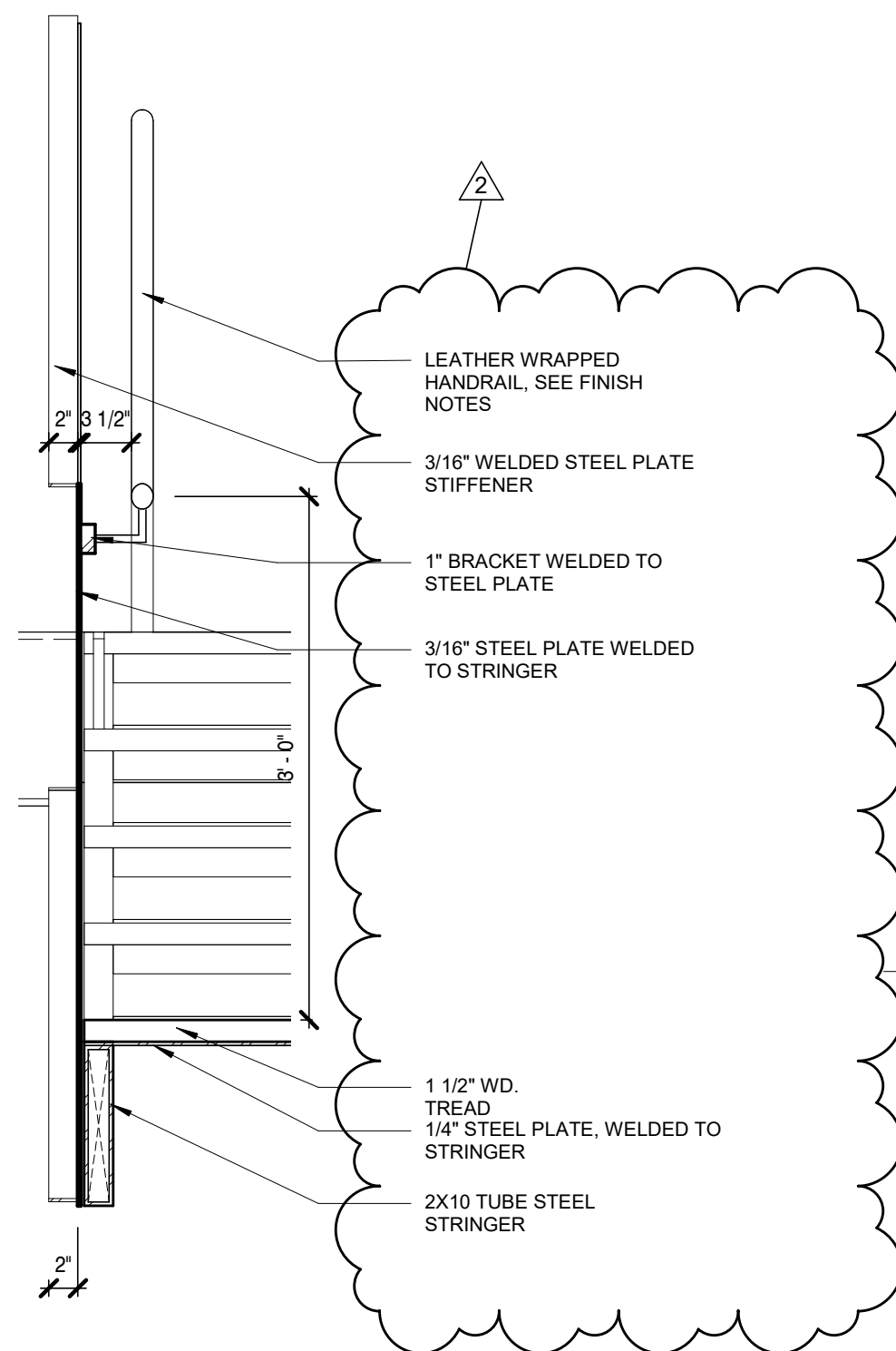
⑦ STAIR AXONOMETRIC



⑥ PNC STAIRS SECTION
1" = 1'-0"



④ LOBBY STAIR TREAD DETAIL
1" = 1'-0"



③ LOBBY STAIRS SECTION 2
1" = 1'-0"

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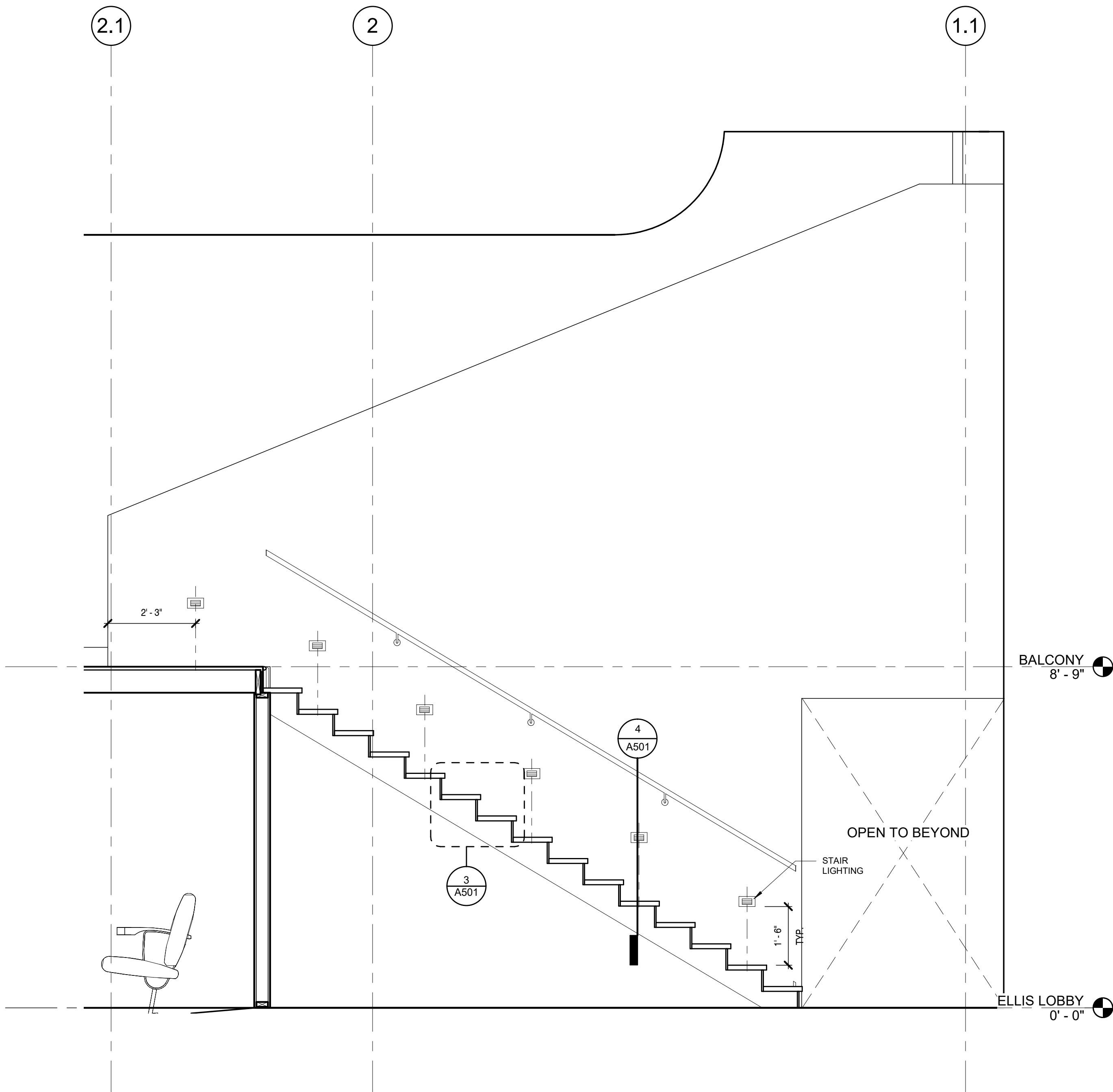
Project Site Address:
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Drawing:

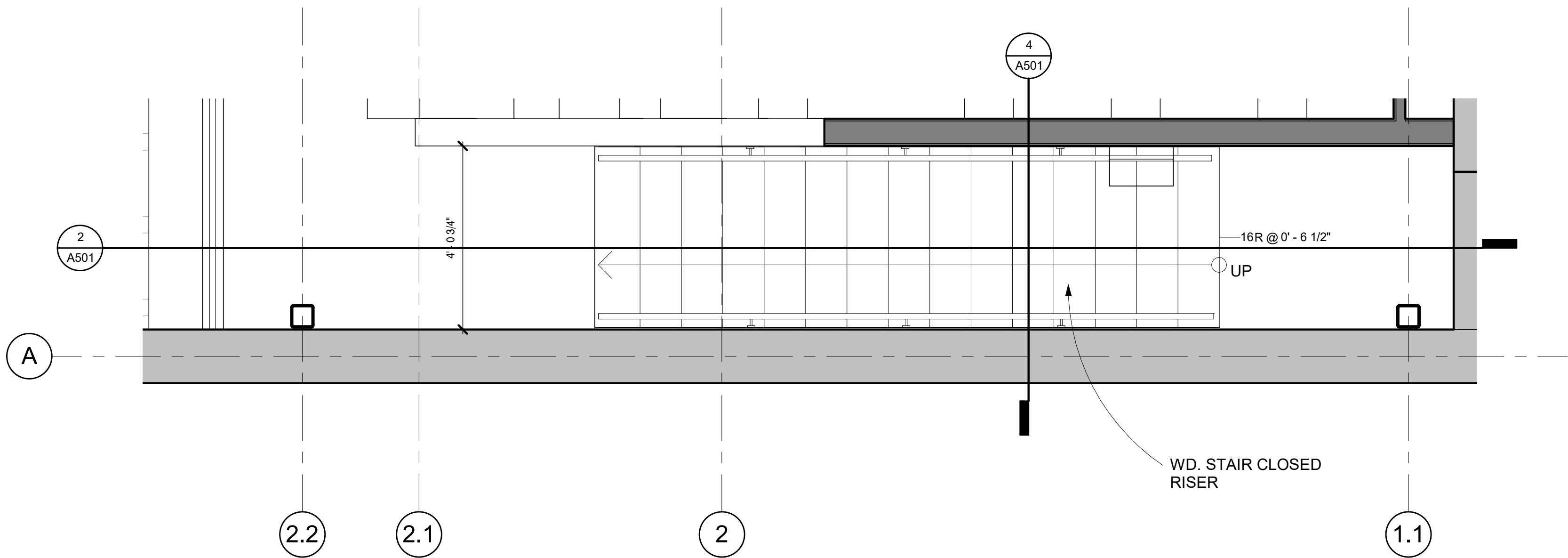
BALCONY STAIRS

A501

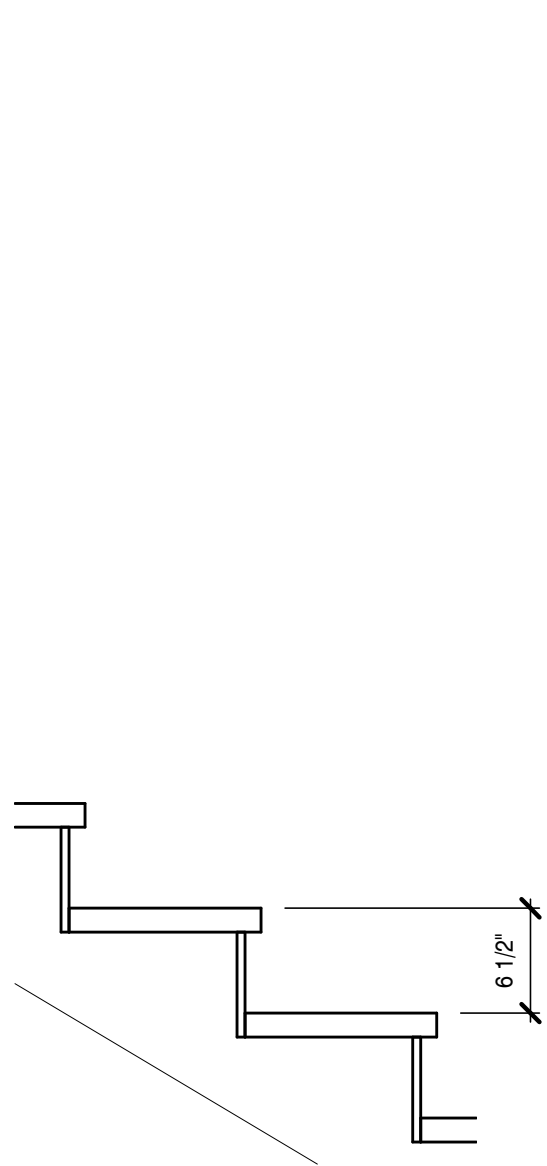
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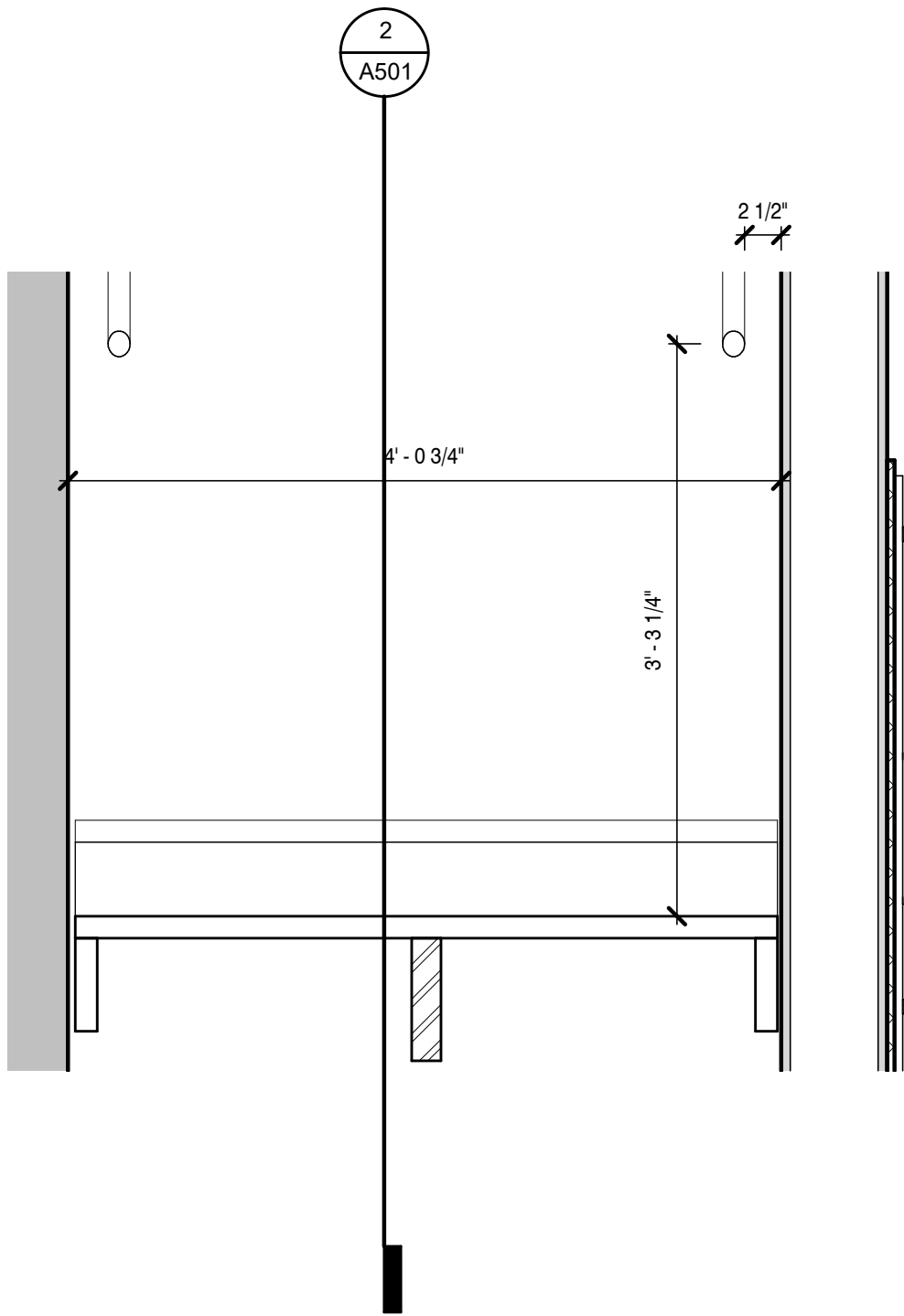
② BALCONY STAIRS SECTION
1/2" = 1'-0"



① BALCONY STAIRS
1/2" = 1'-0"



③ BALCONY STAIRS TREAD
1" = 1'-0"



④ BALCONY STAIRS SECTION 2
1" = 1'-0"



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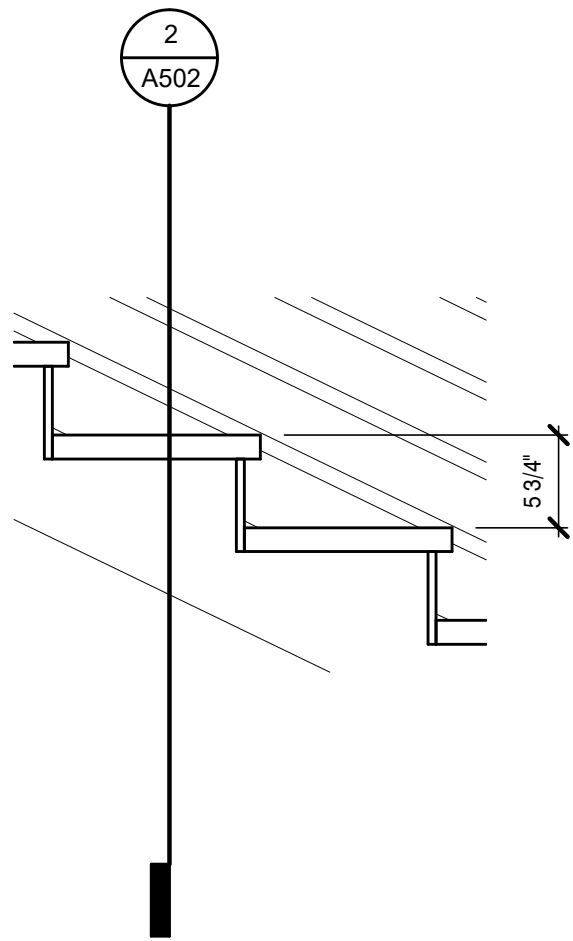
DAAD Project Number:
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No: 01 CD SET 08/11/21

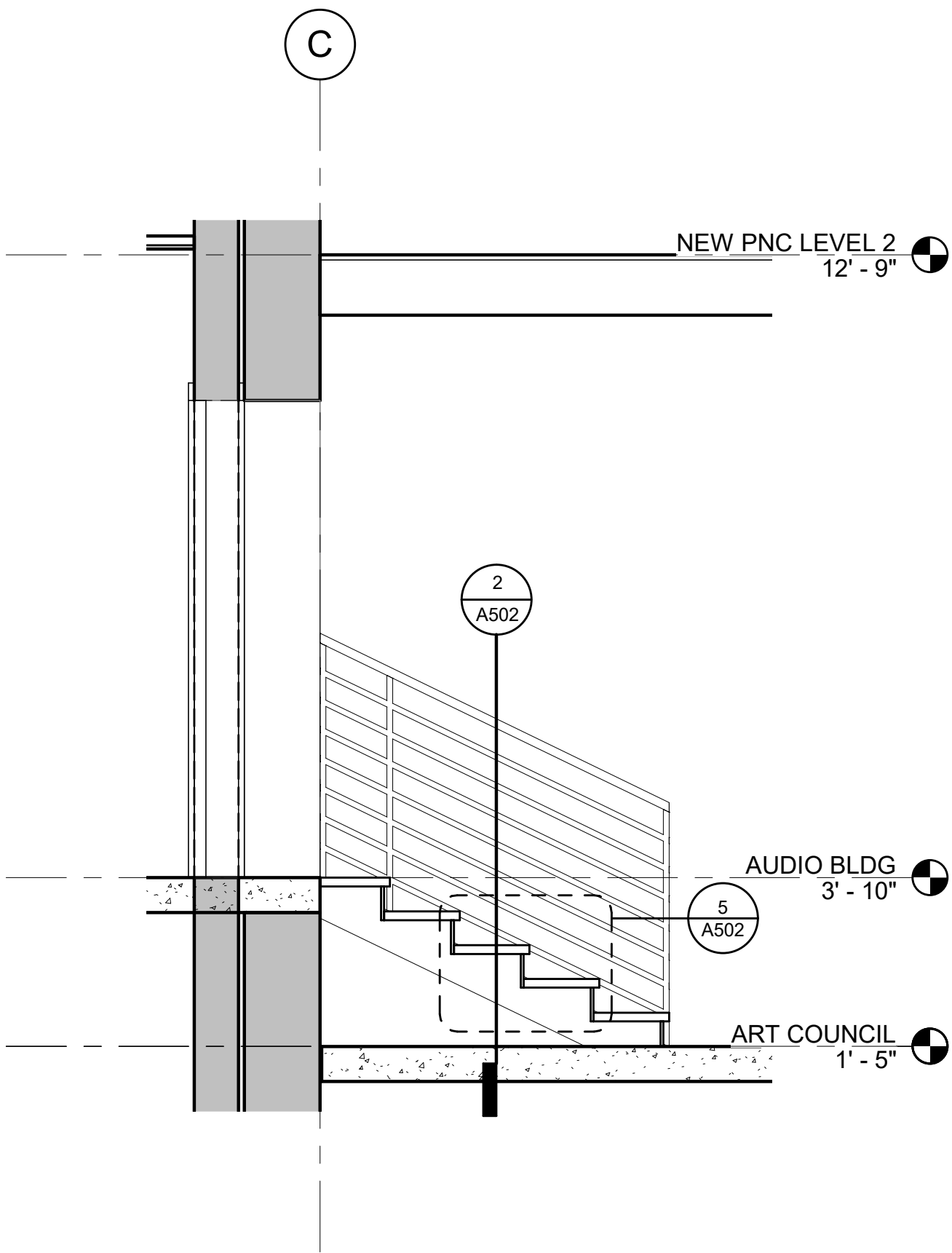
Drawing:

THEATER STAIRS

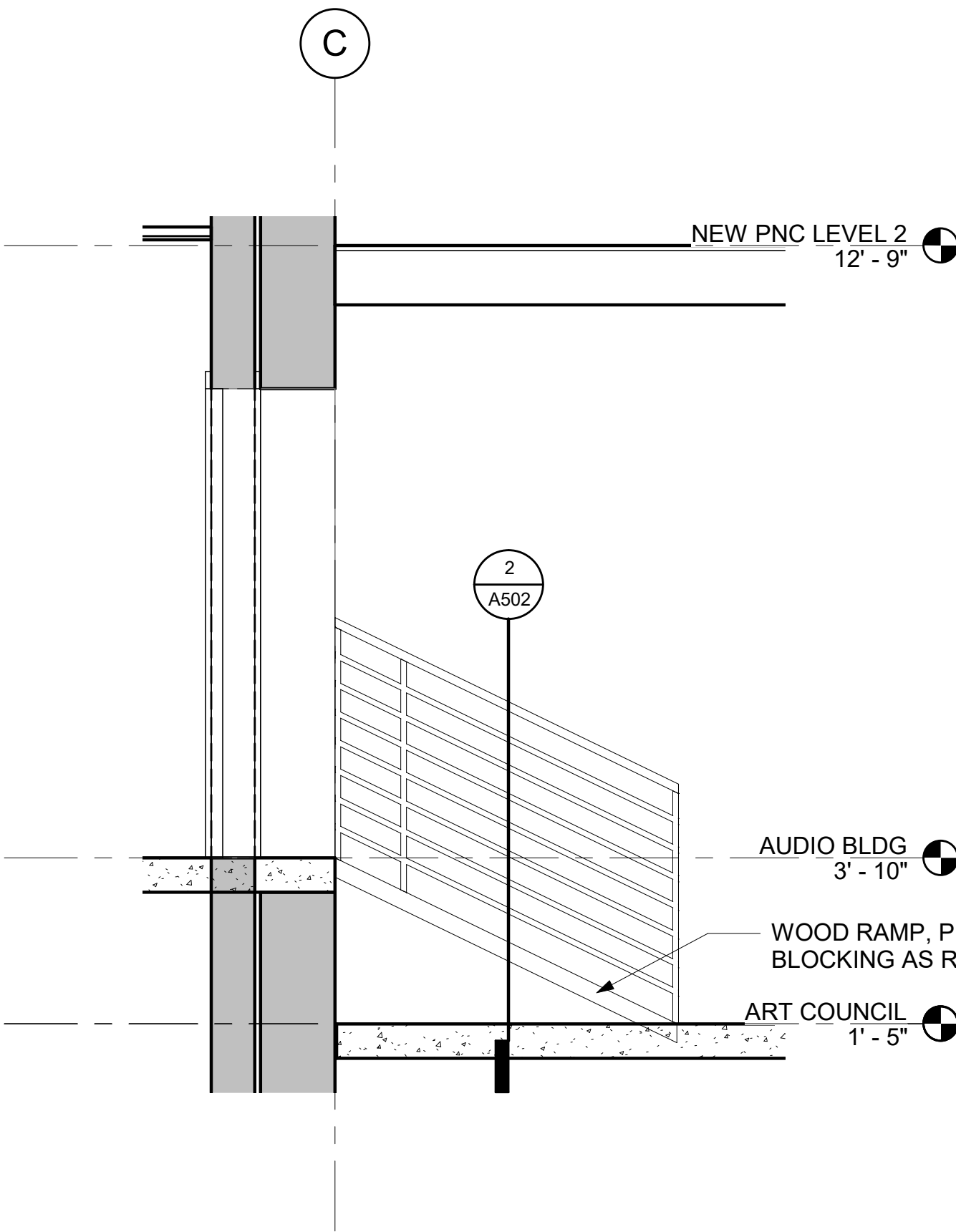
A502



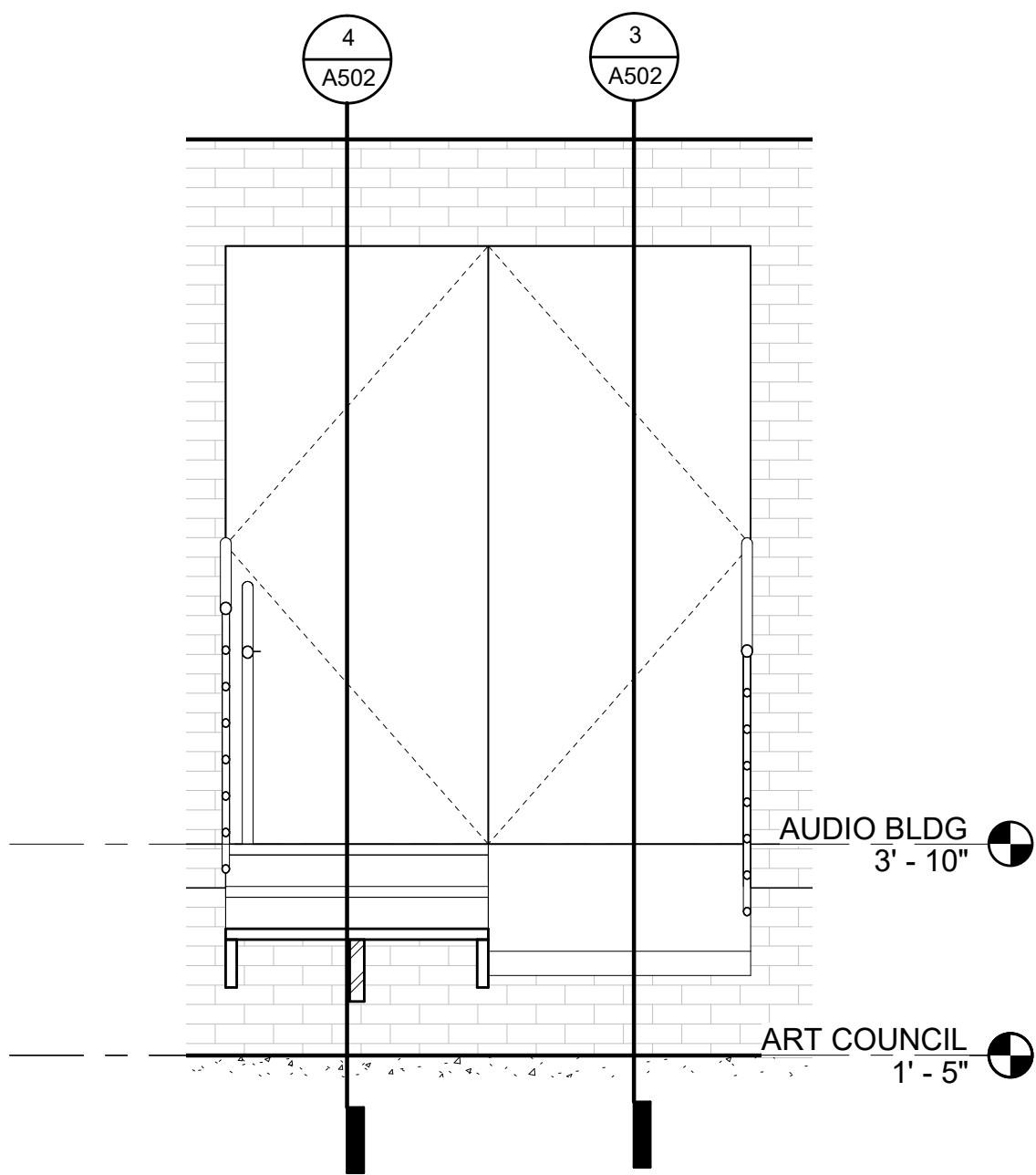
⑤ THEATER HALL STAIRS TREAD
1" = 1'-0"



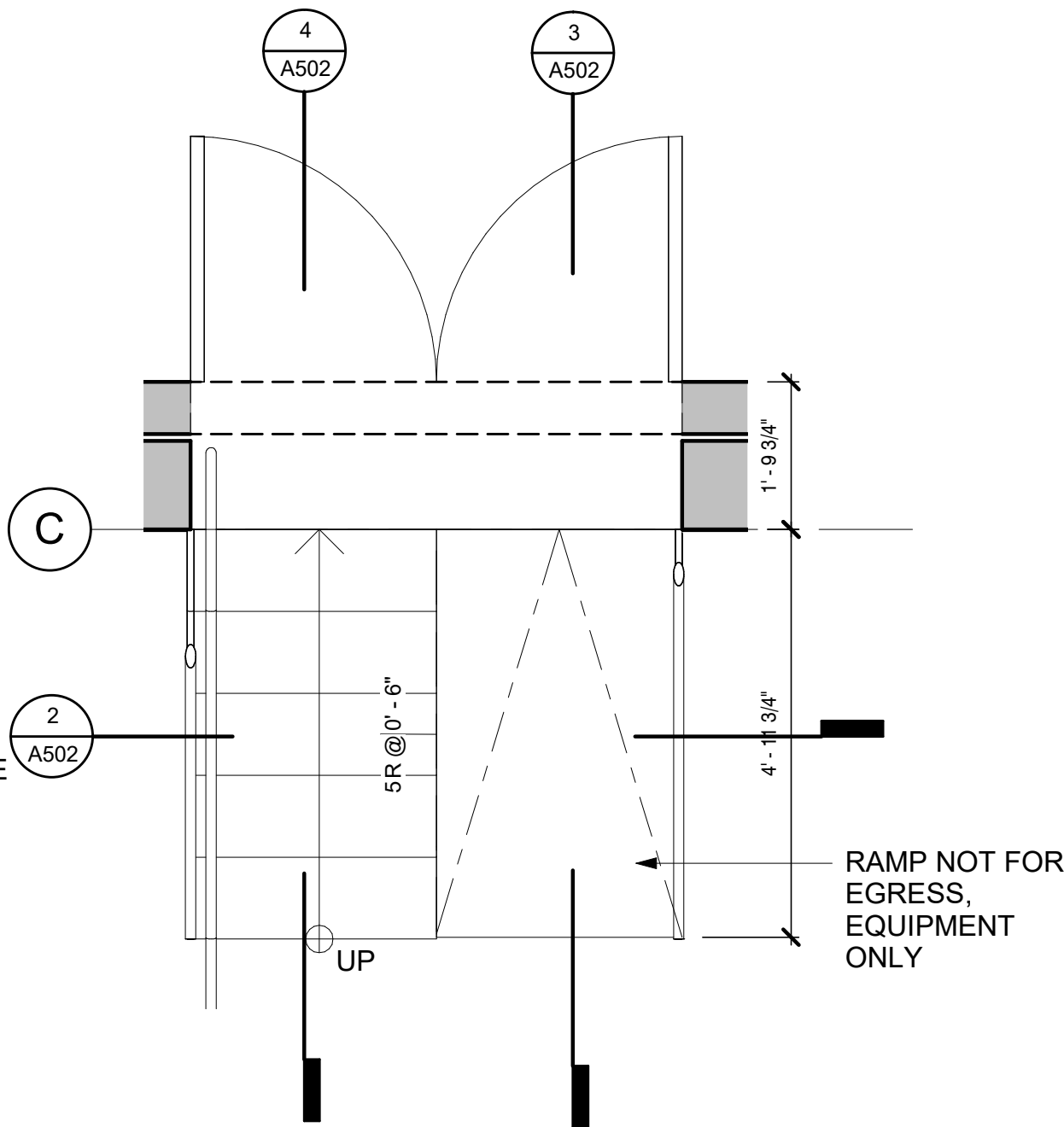
④ THEATER HALL STAIRS SECTION
1/2" = 1'-0"



③ THEATER HALL RAMP SECTION
1/2" = 1'-0"



② THEATER STAIR SECTION
1/2" = 1'-0"



① THEATER HALL STAIRS
1/2" = 1'-0"

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A New Construction Project:

MSCCM - Ellis Theater Renovation

Project Site Address:
311 Byrd Ave,
Philadelphia, MS
39350

DAAD Project Number:
197852

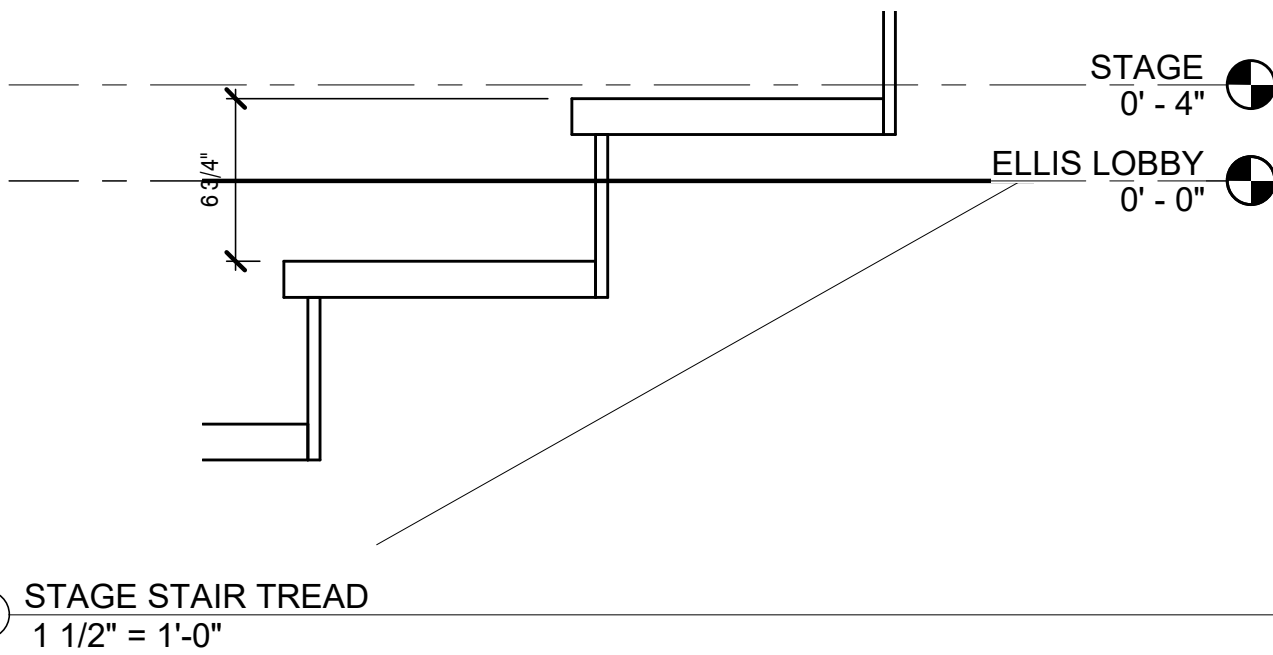
No: 01 CD SET 08/11/21

Drawing:

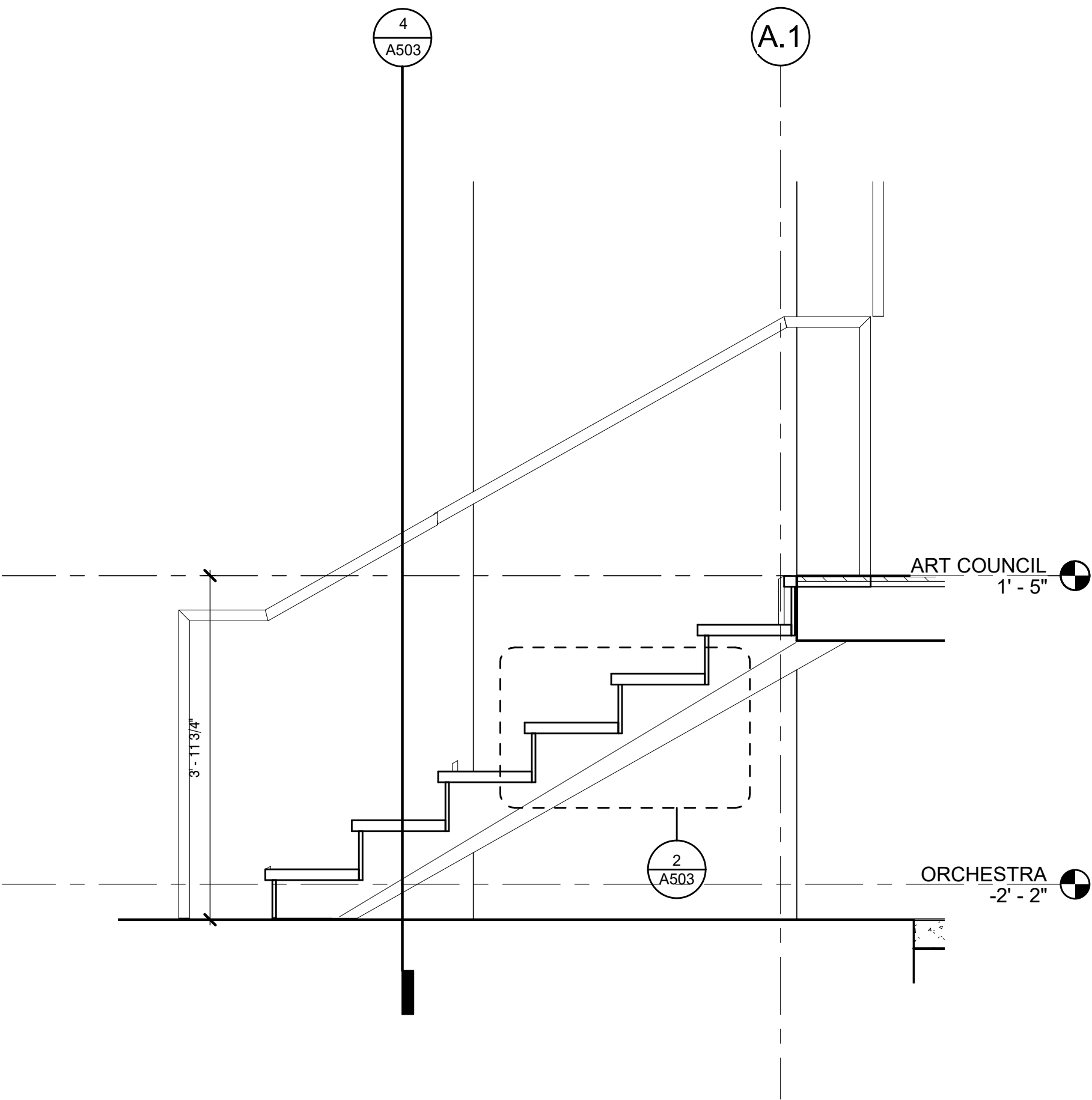
STAGE STAIRS

A503

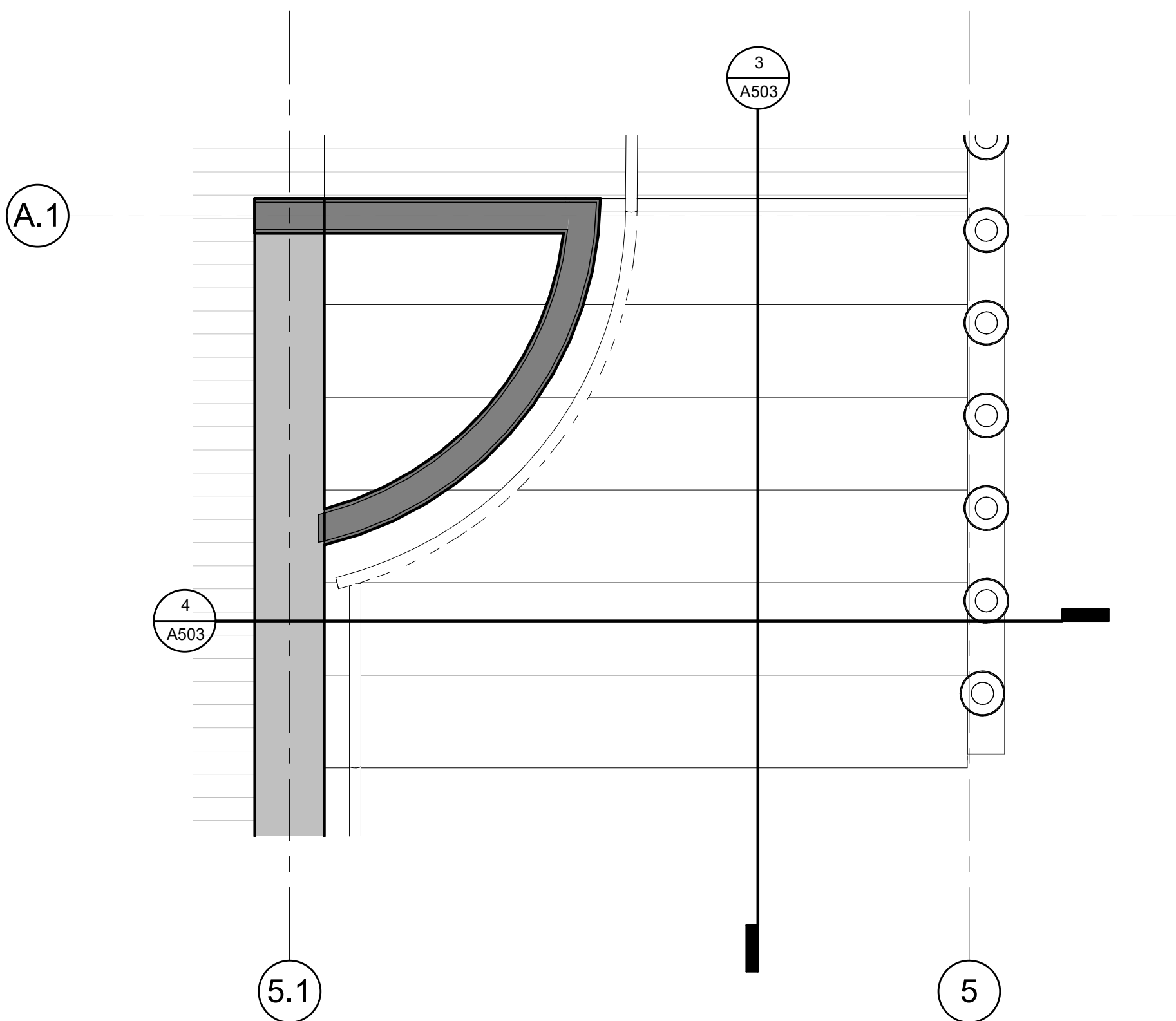
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Do not scale drawings - consult Architect.



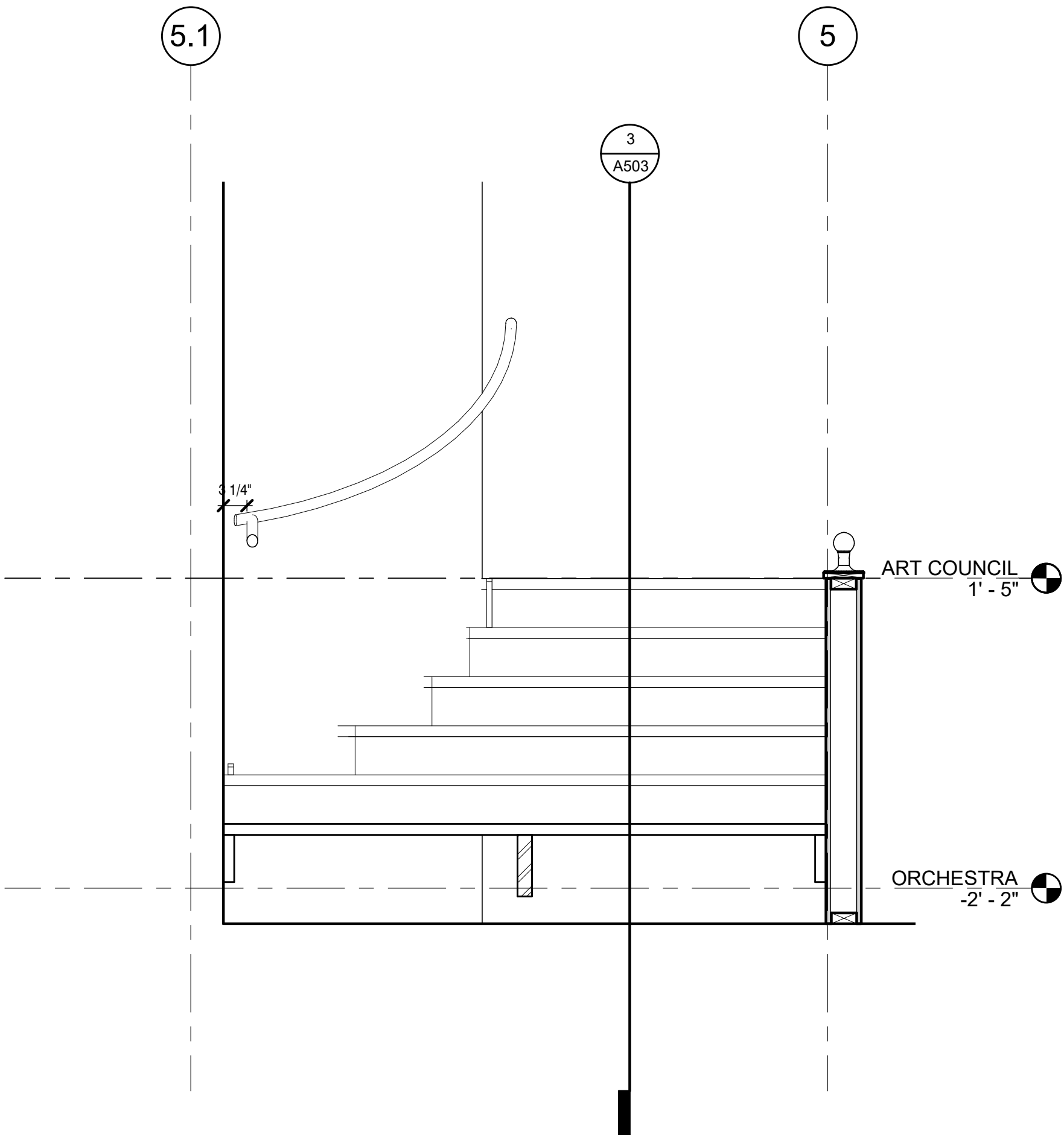
② STAGE STAIR TREAD
1 1/2" = 1'-0"



③ STAGE STAIRS SECTION
3/4" = 1'-0"



① STAGE STAIRS PLAN
3/4" = 1'-0"



④ STAIR SECTION 2
3/4" = 1'-0"



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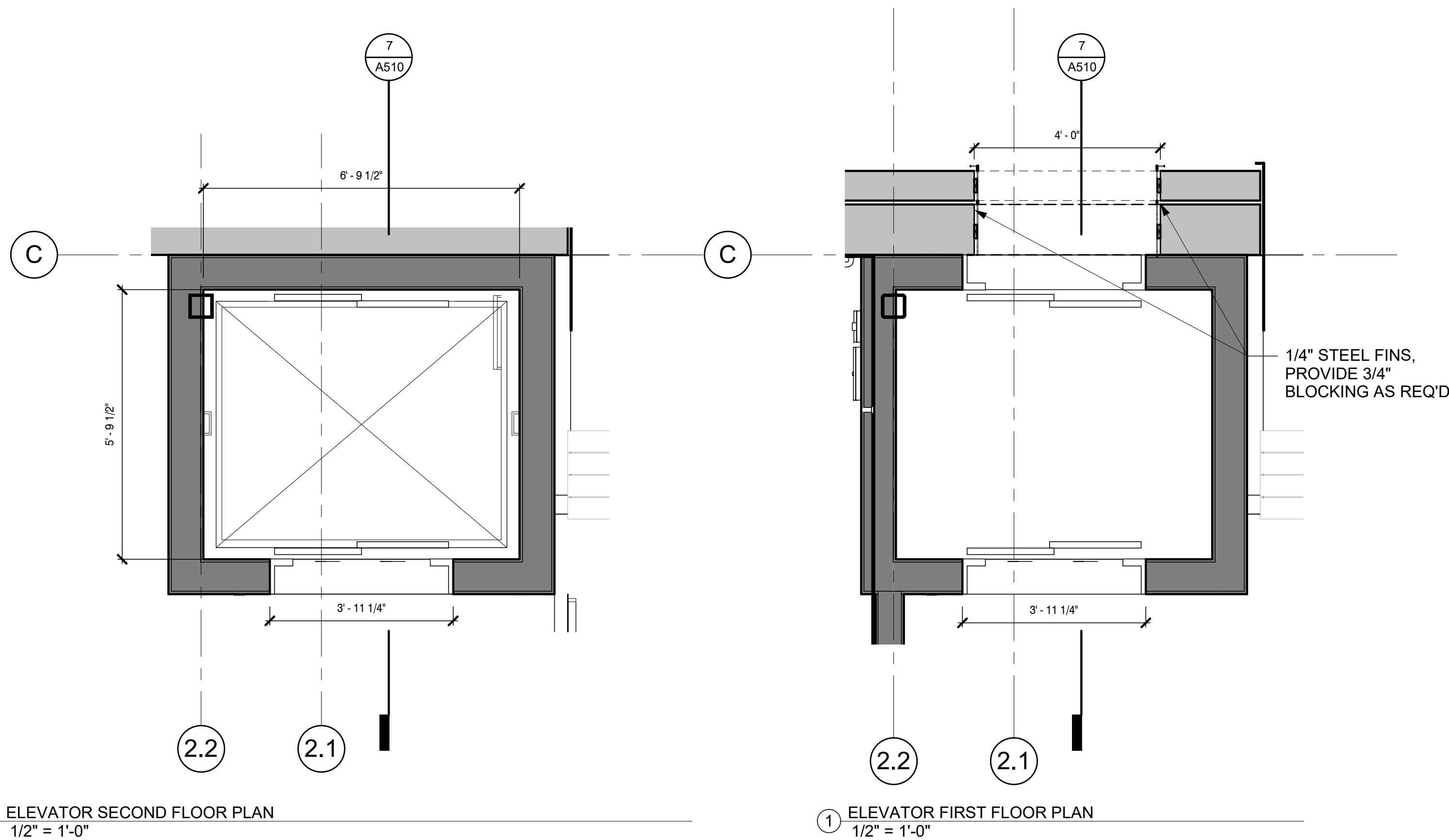
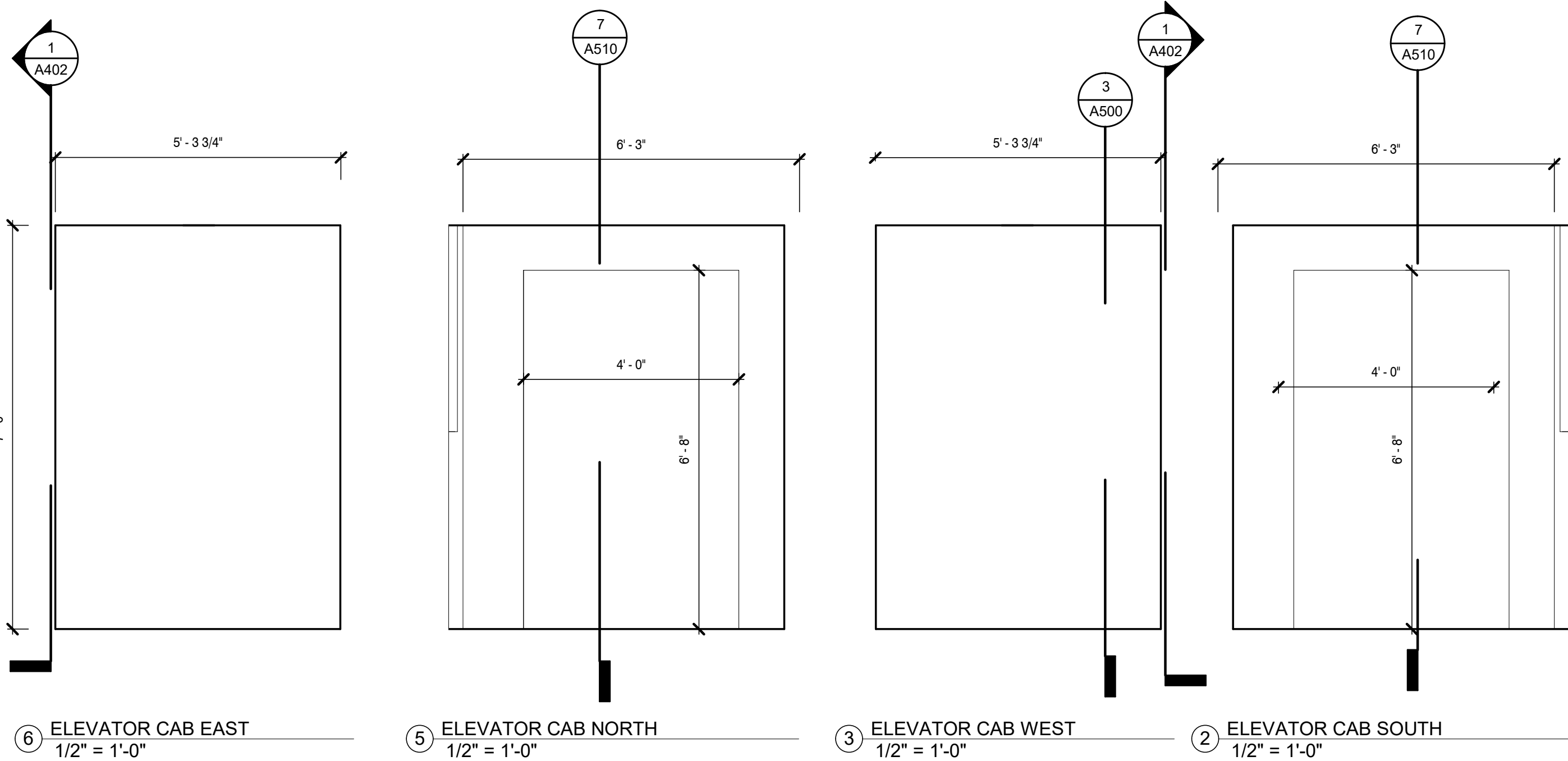
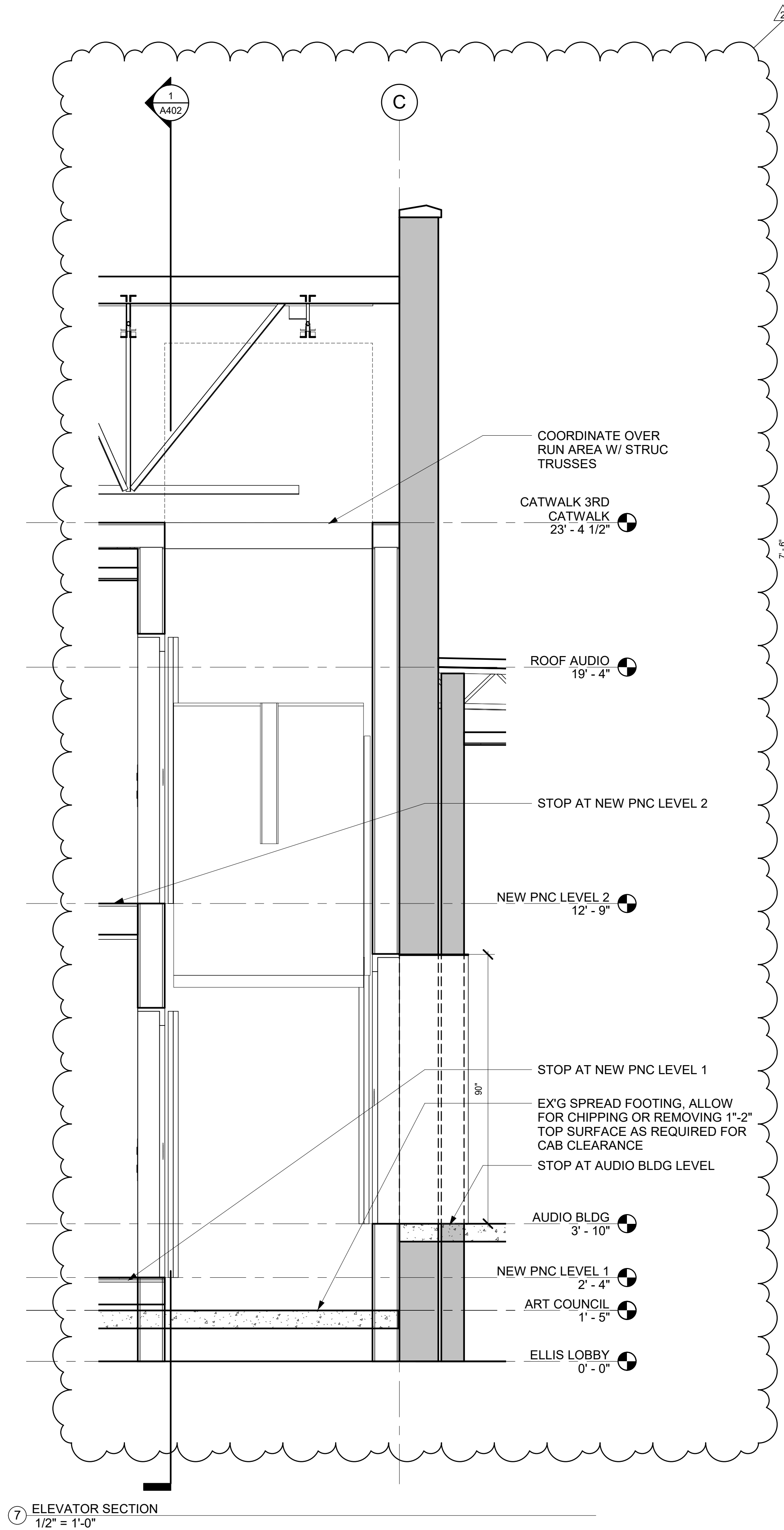
No: 01 CD SET
2 Revision 1

08/11/21
08/23/21

Drawing:

ENLARGED ELEVATOR
PLANS, SECTIONS

A510



LIGHTING FIXTURE SCHEDULE							
Mark	Manufacturer	Name	Model	Voltage	Wattage	Dimming	Comments
1	TMS LIGHTING	SIGN 1 TMS LIGHTING	15LED-30K-120-WM-F15	120 V	15 W		EXTERIOR GOOSNECK LIGHTS
2	TBD	TBD		120 V	TBD		SPECIALTY PENDANT FINAL LAYOUT TBD
3	USAI	BeveLED 2.2 Complete 4.5" Round Downlight - B4RD	B4RDF-12C3-30KH-50-S-WH-WH-FT-UNV-D6E	120 V	12 W		RECESSED CAN FIXTURES
4	NUVO LIGHTING	SINGLE LIGHT 5" WIDE SCONCE	60/4804	120 V	60 W		EXTERIOR CANOPY LIGHTS, BLACK FINISH
5	LITHONIA LIGHTING	GTL SERIES 24" WIDE 35 W INTEGRATED LED	2GTL2 A12 120 LP840	120 V	35 W		BACK OF HOUSE, ACT CEILING
6	LITHONIA LIGHTING	GTL SERIES 48" WIDE 35 W INTEGRATED LED	2GTL4 A12 120 LP840	120 V	35 W		BACK OF HOUSE, ACT CEILING
7	WAC LIGHTING	H TRACK SYSTEM WITH SILO X42 LUMINAIRE	HT8-BK FOR TRACK; H-2042-930-BK FOR LUMINAIRE	120 V	42 W PER LUMINAIRE		AUDIO BUILDING TRACK LIGHTING, 32' LENGTHS, SEE A601-A FOR LUMINAIRE PLACEMENT
8	NUVO LIGHTING	SINGLE LIGHT 5" WIDE SCONCE	60/4804	120 V	60 W	Yes	DOWN STAGE WALL LIGHTS, BLACK FINISH
9	LITHONIA LIGHTING	CSS LED STRIP LIGHT	CSS L48 AL03 MVOLT 35K 80CRI	120 V	18 W		CATWALK SERVICE LIGHTS, SURFACE MOUNTED TO WALL, SEE A402/1
10	REJUVENATION	RUFUS SCONCE	A7100	120 V	100 W		BATHROOM MIRROR SCONCES, BLACK FINISH
11	WAC LIGHTING	WL-LED 120 STEP AND WALL LIGHT	WL-LED120-WT-WT	120 V	4 W		BALCONY STAIR LIGHTS, WHITE FINISH
12	LITHONIA LIGHTING	CSS LED STRIP LIGHT WITH HANGER CHAIN (HC36 M12)	CSS L48 AL03 MVOLT 35K 80CRI	120 V	18 W		SURFACE MOUNTED BACK OF HOUSE ACCESS TO CATWALK
13	REJUVENATION	MACADAM 9 SEMI-FLUSH	A1772	120 V	150 W		SURFACE MOUNTED REJUVENATION LIGHT PNC HALLWAY AND BOX SEAT
14	CELESTIAL LIGHTING	GEMINI 1800 CARPET TO FLOOR ILLUMATED LIGHT TRANSITION STRIP	S-A-6	120 V	4 W PER FT		THEATER AISLE LIGHTING, LENGTH TO BE VIF
15	LLI LIGHTING	DOME EXTRUSION AND LED TAPELIGHT	LLI-DOM-SF-H5 9W-30K-24V	120 V	6 W PER FT	Yes	THEATER COVE LINEAR LIGHTING, LENGTH TO BE VIF
16	LLI LIGHTING	DOME EXTRUSION AND LED TAPELIGHT	LLI-DOM-SF-3.5W-30K-24V	120 V	4 W PER FT		STEEL PANEL SURROUND BACKLIGHTING, LENGTH TO BE VIF

REFLECTED CEILING PLAN NOTES

- 1.REFER TO GENERAL NOTES SHEET FOR GENERAL CONDITIONS AND REQUIREMENTS FOR ALL CONSTRUCTION.
- 2.CONTRACTOR TO PERFORM THE WORK OUTLINED IN THESE NOTES IN ALL AREAS OF CONSTRUCTION UNLESS NOTED OTHERWISE IN THESE DOCUMENTS.
- 3.CEILING ELEMENTS (LIGHT FIXTURES, MECHANICAL DIFFUSERS, SPRINKLER HEADS, ETC.) ARE SHOWN FOR LAYOUT, ARRANGEMENT AND ARCHITECTURAL DESIGN INTENT ONLY. REFER TO MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION ENGINEERING DRAWINGS FOR EXACT FIXTURE TYPE, SIZE, SCHEDULES, SPRINKLER COVERAGE AND OTHER ADDITIONAL INFORMATION.
- 4.ALL MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION, SECURITY, UTILITY, TELEVISION, TELEPHONE AND OTHER AUDIO /VISUAL EQUIPMENT AND FURNISHINGS SHALL BE INSTALLED SO AS TO NOT BE IN CONFLICT WITH ANY WINDOW, DOOR OR ACCESSIBLE ROUTE, TYP.
- 5.ALL ABOVE CEILING SYSTEMS SHALL ACCOMMODATE DOCUMENTED CEILING HEIGHTS AND SPECIFIED CEILING FIXTURES. SOFFITS OR CEILING FURR-DOWNS, OTHER THAN THOSE INDICATED IN THESE DOCUMENTS, ARE NOT ACCEPTABLE. CEILING FURR-DOWNS SHALL NOT PENETRATE RATED FLOOR-CEILING ASSEMBLIES. CONTRACTOR TO COORDINATE FURR-DOWN ELEVATIONS WITH RESPECTIVE EQUIPMENT MANUFACTURERS AND APPROPRIATE SUBCONTRACTORS PRIOR TO INSTALLATION. IN THE EVENT OF A CONFLICT, REQUEST CLARIFICATION FROM ARCHITECT PRIOR TO PROCEEDING WITH INSTALLATION.
- 6.REFER TO MECHANICAL DRAWINGS FOR HVAC REQUIREMENTS AND GRILLE AND DIFFUSER LAYOUTS.
- 7.THese DRAWINGS REPRESENT LIGHTING FIXTURE LOCATIONS AND TYPES ONLY AND ARE NOT INTENDED TO DICTATE FIXTURE CIRCUITING. REFERENCE ELECTRICAL ENGINEERING DRAWINGS FOR CIRCUITING AND ALL OTHER INFORMATION.
- 8.REFER TO THE REFLECTED CEILING PLAN SCHEDULE FOR FIXTURE TYPES. UNLESS OTHERWISE INDICATED LIKE FIXTURE LAMP TYPE AND WATTAGE TO MATCH THROUGHOUT.
- 9.UNLESS OTHERWISE INDICATED LIGHT FIXTURE LOCATIONS SUPERCEDE OTHER FIXTURE PLACEMENTS, INCLUDING BUT NOT LIMITED TO AUDIO SPEAKERS, AIR GRILLES, DIFFUSERS AND SPRINKLER HEADS. IN THE EVENT OF A CONFLICT, REQUEST CLARIFICATION FROM ARCHITECT PRIOR TO PROCEEDING WITH INSTALLATION.
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- 13.ALL SWITCHES, RECEPTACLES, THERMOSTATS AND OTHER CONTROLS SHALL MEET APPLICABLE CODES' ACCEPTABLE REACH RANGES.
- 14.SWITCH COVER PLATES IN PROXIMITY TO DOORS SHALL BE LOCATED 6" HORIZONTALLY FROM INSIDE FACE OF DOOR FRAME UNLESS OTHERWISE INDICATED.
- 15.UNLESS OTHERWISE INDICATED, EACH ROOM SHALL BE INDIVIDUALLY SWITCHED.
- 16.REMOVE COVERS, PROTECTIVE FILMS, STICKERS, AND OTHER LABELS FROM LIGHT FIXTURES PRIOR TO PROJECT COMPLETION.
- 17.EXIT SIGNS WITH DIRECTIONAL ARROWS SHALL BE PROVIDED WHERE NECESSARY TO MEET APPLICABLE CODES. EXIT SIGNS SHALL BE WIRED TO BUILDING EMERGENCY GENERATOR. IF GENERATOR IS NOT AVAILABLE, CONTRACTOR SHALL PROVIDE FIXTURES EQUIPPED WITH EMERGENCY BACK UP BATTERY PACKS. REFER TO ELECTRICAL DRAWINGS.
- 18.CONTRACTOR SHALL PROVIDE AUDIBLE/ VISUAL FIRE STROBES INTEGRATED WITH BUILDING ALARM SYSTEM AS REQUIRED TO MEET APPLICABLE CODES. REFER TO ELECTRICAL DRAWINGS.

GRAPHICS SYMBOLS LEGEND

CEILING TAG:		
LINEAR DIFFUSER:		
SUPPLY AIR GRILLE:		
RETURN AIR GRILLE:		
EXHAUST FAN:		
EXIT SIGN:		
EMERGENCY REMOTE LAMP:		
SMOKE DETECTOR:		
SPRINKLER HEAD:		
RECESSED CAN LIGHT FIXTURE:		REFER TO SCHEDULE A
PENDANT LIGHT FIXTURE:		REFER TO SCHEDULE B
LINEAR LIGHT FIXTURE:		REFER TO SCHEDULE C
CEILING MOUNTED LIGHT FIXTURE:		REFER TO SCHEDULE D
WALL MOUNTED LIGHT FIXTURE:		REFER TO SCHEDULE E
TRACK LIGHT FIXTURE:		REFER TO SCHEDULE F

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08/11/21

Drawing:

REFLECTED CEILING
PLAN GENERAL NOTES,
LEGEND

A600



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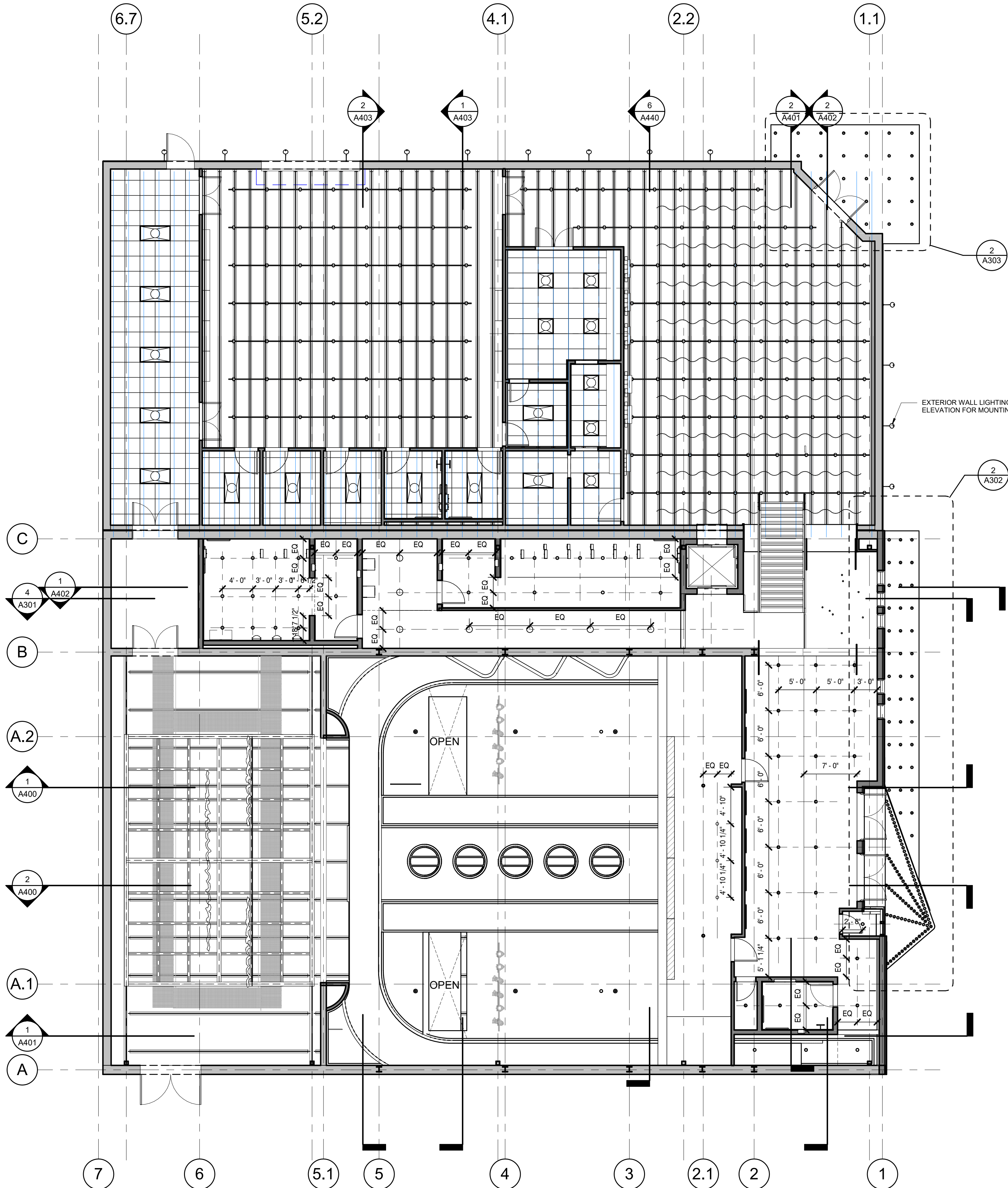
No: 01 CD SET

08/11/21

Drawing:

FIRST FLOOR
REFLECTED CEILING
PLAN

A601



1 LEVEL 1 REFLECTED CEILING PLAN
1/8" = 1'-0"

REFLECTED CEILING PLAN NOTES

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- EXIT SIGNS WITH DIRECTIONAL ARROWS SHALL BE PROVIDED WHERE NECESSARY TO MEET APPLICABLE CODES. EXIT SIGNS SHALL BE WIRED TO BUILDING EMERGENCY GENERATOR. IF GENERATOR IS NOT AVAILABLE, CONTRACTOR SHALL PROVIDE FIXTURES EQUIPPED WITH EMERGENCY BACK UP BATTERY PACKS. REFER TO ELECTRICAL DRAWINGS.
- CONTRACTOR SHALL PROVIDE AUDIBLE/ VISUAL FIRE STROBES INTEGRATED WITH BUILDING ALARM SYSTEM AS REQUIRED TO MEET APPLICABLE CODES. REFER TO ELECTRICAL DRAWINGS.

GRAPHICS SYMBOLS LEGEND

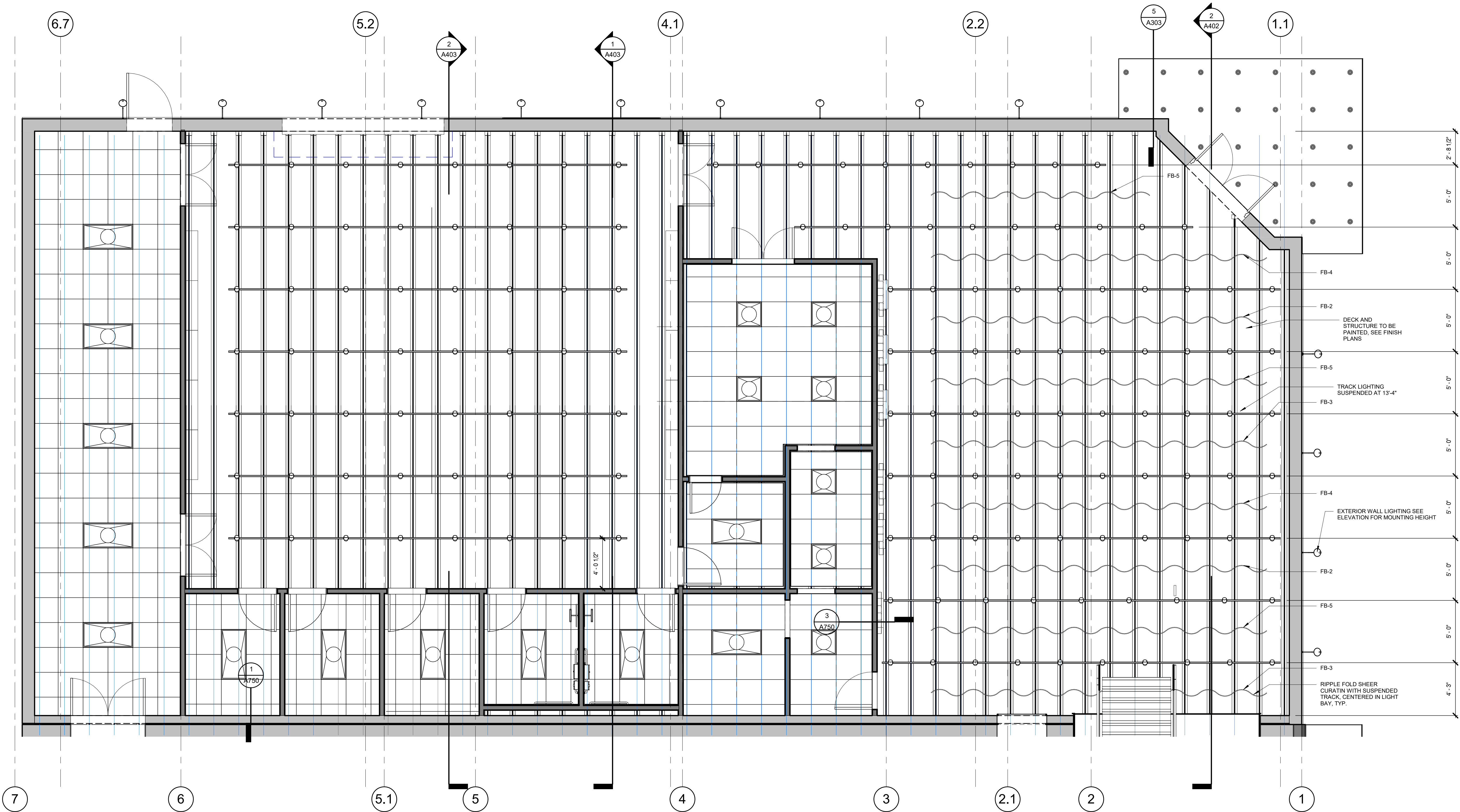
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LINEAR DIFFUSER:	
SUPPLY AIR GRILLE:	
RETURN AIR GRILLE:	
EXHAUST FAN:	
EXIT SIGN:	
EMERGENCY REMOTE LAMP:	
SMOKE DETECTOR:	
SPRINKLER HEAD:	
RECESSED CAN LIGHT FIXTURE:	A REFER TO SCHEDULE
PENDANT LIGHT FIXTURE:	B REFER TO SCHEDULE
LINEAR LIGHT FIXTURE:	C REFER TO SCHEDULE
CEILING MOUNTED LIGHT FIXTURE:	D REFER TO SCHEDULE
WALL MOUNTED LIGHT FIXTURE:	E REFER TO SCHEDULE
TRACK LIGHT FIXTURE:	F REFER TO SCHEDULE

REFLECTED CEILING PLAN NOTES				GRAPHICS SYMBOLS LEGEND			
1. REFER TO GENERAL NOTES SHEET FOR GENERAL CONDITIONS AND REQUIREMENTS FOR ALL CONSTRUCTION.	RATED FLOOR-CEILING ASSEMBLIES. CONTRACTOR TO COORDINATE FURR-DOWN ELEVATIONS WITH RESPECTIVE EQUIPMENT MANUFACTURERS AND APPROPRIATE SUBCONTRACTORS PRIOR TO INSTALLATION. IN THE EVENT OF A CONFLICT, REQUEST CLARIFICATION FROM ARCHITECT PRIOR TO PROCEEDING WITH INSTALLATION.	10. WHERE APPLICABLE, ALL FIXTURE LOCATIONS TO BE COORDINATED WITH ARCHITECTURAL CEILING GRID. WHERE SINGLE FIXTURES OCCUR WITHIN A CEILING GRID THEY SHALL BE CENTERED IN EACH CEILING TILE UNLESS OTHERWISE INDICATED.	15. UNLESS OTHERWISE INDICATED, EACH ROOM SHALL BE INDIVIDUALLY SWITCHED.	CEILING TAG:		SPRINKLER HEAD:	
2. CONTRACTOR TO PERFORM THE WORK OUTLINED IN THESE NOTES IN ALL AREAS OF CONSTRUCTION UNLESS NOTED OTHERWISE IN THESE DOCUMENTS.				LINEAR DIFFUSER:		RECESSED CAN LIGHT FIXTURE:	REFER TO SCHEDULE
3. CEILING ELEMENTS (LIGHT FIXTURES, MECHANICAL DIFFUSERS, SPRINKLER HEADS, ETC.) ARE SHOWN FOR LAYOUT, ARRANGEMENT AND ARCHITECTURAL DESIGN INTENT ONLY. REFER TO MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION ENGINEERING DRAWINGS FOR EXACT FIXTURE TYPE, SIZE, SCHEDULES, SPRINKLER COVERAGE AND OTHER ADDITIONAL INFORMATION.	6. REFER TO MECHANICAL DRAWINGS FOR HVAC REQUIREMENTS AND GRILLE AND DIFFUSER LAYOUTS.	11. CONTRACTOR TO SUBMIT CUT SHEETS AND TECHNICAL DATA TO ARCHITECT FOR ALL LIGHT FIXTURES SPECIFIED PRIOR TO PROCUREMENT. LIGHT FIXTURES NOT SUBMITTED TO AND APPROVED BY ARCHITECT SHALL BE REPLACED AT CONTRACTOR'S SOLE EXPENSE.	16. REMOVE COVERS, PROTECTIVE FILMS, STICKERS, AND OTHER LABELS FROM LIGHT FIXTURES PRIOR TO PROJECT COMPLETION.	SUPPLY AIR GRILLE:		PENDANT LIGHT FIXTURE:	REFER TO SCHEDULE
4. ALL MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION, SECURITY, UTILITY, TELEVISION, TELEPHONE AND OTHER AUDIO / VISUAL EQUIPMENT AND FURNISHINGS SHALL BE INSTALLED SO AS TO NOT BE IN CONFLICT WITH ANY WINDOW, DOOR OR ACCESSIBLE ROUTE, TYP.	7. THESE DRAWINGS REPRESENT LIGHTING FIXTURE LOCATIONS AND TYPES ONLY AND ARE NOT INTENDED TO DICTATE FIXTURE CIRCUITING. REFERENCE ELECTRICAL ENGINEERING DRAWINGS FOR CIRCUITING AND ALL OTHER INFORMATION.	12. UNLESS OTHERWISE INDICATED ADJACENT SWITCHES SHALL BE GANGED AND INSTALLED WITH A SINGLE MULTI-SWITCH COVER PLATE. IF GANGING OF SWITCHES IS NOT POSSIBLE, INDIVIDUAL SWITCHES SHALL BE SPACED AN EQUAL AND MINIMUM DISTANCE APART AND LOCATED AT THE SAME ELEVATION ABOVE FINISHED FLOOR.	17. EXIT SIGNS WITH DIRECTIONAL ARROWS SHALL BE PROVIDED WHERE NECESSARY TO MEET APPLICABLE CODES. EXIT SIGNS SHALL BE WIRED TO BUILDING EMERGENCY GENERATOR. IF GENERATOR IS NOT AVAILABLE, CONTRACTOR SHALL PROVIDE FIXTURES EQUIPPED WITH EMERGENCY BACK UP BATTERY PACKS. REFER TO ELECTRICAL DRAWINGS.	RETURN AIR GRILLE:		LINEAR LIGHT FIXTURE:	REFER TO SCHEDULE
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	9. UNLESS OTHERWISE INDICATED LIGHT FIXTURE LOCATIONS SUPERCEDE OTHER FIXTURE PLACEMENTS, INCLUDING BUT NOT LIMITED TO AUDIO SPEAKERS, AIR GRILLES, DIFFUSERS AND SPRINKLER HEADS. IN THE EVENT OF A CONFLICT, REQUEST CLARIFICATION FROM ARCHITECT PRIOR TO PROCEEDING WITH INSTALLATION.	14. SWITCH COVER PLATES IN PROXIMITY TO DOORS SHALL BE LOCATED 6" HORIZONTALLY FROM INSIDE FACE OF DOOR FRAME UNLESS OTHERWISE INDICATED.		EXIT SIGN:		WALL MOUNTED LIGHT FIXTURE:	REFER TO SCHEDULE
				EMERGENCY REMOTE LAMP:		TRACK LIGHT FIXTURE:	
				SMOKE DETECTOR:			

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DAAD Project Number:
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No: 01 CD SET

08/11/21

Drawing:

AUDIO BUILDING RCP

A601-A

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2 Revision 1

08/11/21
08/23/21

Drawing:

ELLIS LOBBY RCP

A601-B

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Do not scale drawings - consult Architect.

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8. REFER TO THE REFLECTED CEILING PLAN SCHEDULE FOR FIXTURE TYPES, UNLESS OTHERWISE INDICATED LIKE FIXTURE LAMP TYPE AND WATTAGE TO MATCH THROUGHOUT.
9. UNLESS OTHERWISE INDICATED LIGHT FIXTURE LOCATIONS SUPERCEDE OTHER FIXTURE PLACEMENTS, INCLUDING BUT NOT LIMITED TO AUDIO SPEAKERS, AIR GRILES, DIFFUSERS AND SPRINKLER HEADS. IN THE EVENT OF A CONFLICT, REQUEST CLARIFICATION FROM ARCHITECT PRIOR TO PROCEEDING WITH INSTALLATION.
10. WHERE APPLICABLE, ALL FIXTURE LOCATIONS TO BE COORDINATED WITH ARCHITECTURAL CEILING GRID. WHERE SINGLE FIXTURES OCCUR WITHIN A CEILING GRID THEY SHALL BE CENTERED IN EACH CEILING TILE UNLESS OTHERWISE INDICATED.
11. CONTRACTOR TO SUBMIT CUT SHEETS AND TECHNICAL DATA TO ARCHITECT FOR ALL LIGHT FIXTURES SPECIFIED PRIOR TO PROCUREMENT. LIGHT FIXTURES NOT SUBMITTED TO AND APPROVED BY ARCHITECT SHALL BE REPLACED AT CONTRACTOR'S SOLE EXPENSE.
12. UNLESS OTHERWISE INDICATED ADJACENT SWITCHES SHALL BE GAUGED AND INSTALLED WITH A SINGLE MULTI-SWITCH COVER PLATE. GANGING OF SWITCHES IS NOT POSSIBLE. INDIVIDUAL SWITCHES SHALL BE SPACED AN EQUAL AND MINIMUM DISTANCE APART AND LOCATED AT THE SAME ELEVATION ABOVE FINISHED FLOOR.
13. ALL SWITCHES, RECEPTACLES, THERMOSTATS AND OTHER CONTROLS SHALL MEET APPLICABLE CODES' ACCEPTABLE REACH RANGES.
14. SWITCH COVER PLATES IN PROXIMITY TO DOORS SHALL BE LOCATED 6" HORIZONTALLY FROM INSIDE FACE OF DOOR FRAME UNLESS OTHERWISE INDICATED.
15. UNLESS OTHERWISE INDICATED, EACH ROOM SHALL BE INDIVIDUALLY SWITCHED.
16. REMOVE COVERS, PROTECTIVE FILMS, STICKERS, AND OTHER LABELS FROM LIGHT FIXTURES PRIOR TO PROJECT COMPLETION.
17. EXIT SIGNS WITH DIRECTIONAL ARROWS SHALL BE PROVIDED WHERE NECESSARY TO MEET APPLICABLE CODES. EXIT SIGNS SHALL BE WIRED TO BUILDING EMERGENCY GENERATOR IF AVAILABLE OR IS NOT AVAILABLE, CONTRACTOR SHALL PROVIDE EXIT FIXTURES EQUIPPED WITH EMERGENCY BACK UP BATTERY PACKS. REFER TO ELECTRICAL DRAWINGS.
18. CONTRACTOR SHALL PROVIDE AUDIBLE/ VISUAL FIRE STROBES INTEGRATED WITH BUILDING ALARM SYSTEM AS REQUIRED TO MEET APPLICABLE CODES. REFER TO ELECTRICAL DRAWINGS.

CEILING TAG:		
LINEAR DIFFUSER:		
SUPPLY AIR GRILLE:		
RETURN AIR GRILLE:		
EXHAUST FAN:		
EXIT SIGN:		
EMERGENCY REMOTE LAMP:		
SMOKE DETECTOR:		
SPRINKLER HEAD:		
RECESSED CAN LIGHT FIXTURE:		REFER TO SCHEDULE
PENDANT LIGHT FIXTURE:		REFER TO SCHEDULE
LINEAR LIGHT FIXTURE:		REFER TO SCHEDULE
CEILING MOUNTED LIGHT FIXTURE:		REFER TO SCHEDULE
WALL MOUNTED LIGHT FIXTURE:		REFER TO SCHEDULE
TRACK LIGHT FIXTURE:		REFER TO SCHEDULE

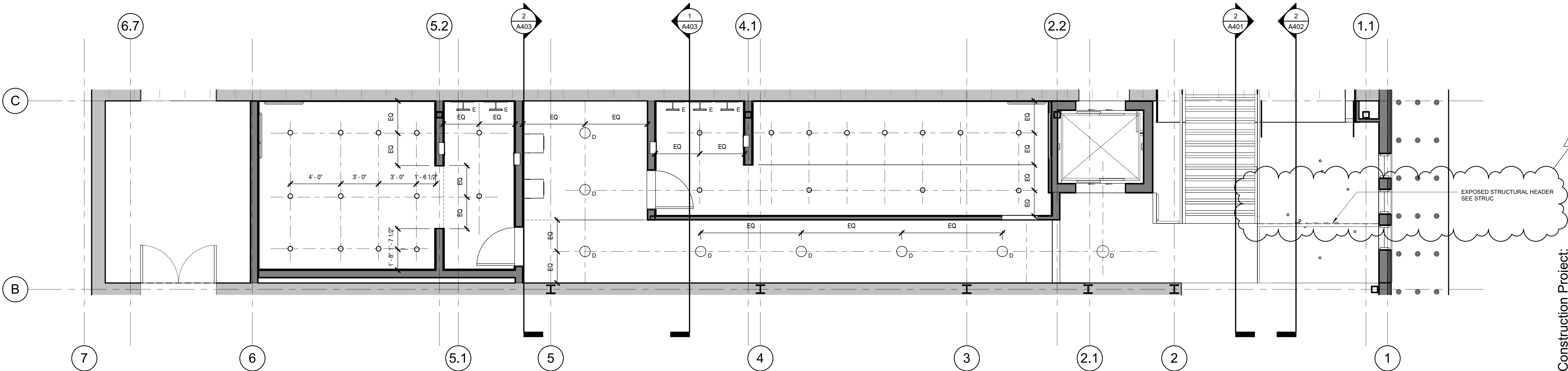


REFLECTED CEILING PLAN NOTES

- REFER TO GENERAL NOTES SHEET FOR GENERAL CONDITIONS AND REQUIREMENTS FOR ALL CONSTRUCTION.
- CONTRACTOR TO PERFORM THE WORK OUTLINED IN THESE NOTES IN ALL AREAS OF CONSTRUCTION UNLESS NOTED OTHERWISE IN THESE DOCUMENTS.
- CEILING ELEMENTS (LIGHT FIXTURES, MECHANICAL DIFFUSERS, SPRINKLER HEADS, ETC.) ARE SHOWN FOR LAYOUT. ARRANGEMENT AND ARCHITECTURAL DESIGN INTENT ONLY. REFER TO MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION ENGINEERING DRAWINGS FOR EXACT FIXTURE TYPE, SIZE, SCHEDULES, SPRINKLER COVERAGE AND OTHER ADDITIONAL INFORMATION.
- ALL MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION, SECURITY, UTILITY, TELEVISION, TELEPHONE AND OTHER AUDIO / VISUAL EQUIPMENT AND FURNISHINGS SHALL BE INSTALLED SO AS TO NOT BE IN CONFLICT WITH ANY WINDOW, DOOR OR ACCESSIBLE ROUTE, TYP.
- ALL ABOVE CEILING SYSTEMS SHALL ACCOMMODATE DOCUMENTED CEILING HEIGHTS AND SPECIFIED CEILING FIXTURES. SOFFITS OR CEILING FURR-DOWNS, OTHER THAN THOSE INDICATED IN THESE DOCUMENTS, ARE NOT ACCEPTABLE. CEILING FURR-DOWNS SHALL NOT PENETRATE
- RATED FLOOR-CEILING ASSEMBLIES. CONTRACTOR TO COORDINATE FURR-DOWN ELEVATIONS WITH RESPECTIVE EQUIPMENT MANUFACTURERS AND APPROPRIATE SUBCONTRACTORS PRIOR TO INSTALLATION. IN THE EVENT OF A CONFLICT, REQUEST CLARIFICATION FROM ARCHITECT PRIOR TO PROCEEDING WITH INSTALLATION.
- REFER TO MECHANICAL DRAWINGS FOR HVAC REQUIREMENTS AND GRILLE AND DIFFUSER LAYOUTS.
- THESE DRAWINGS REPRESENT LIGHTING FIXTURE LOCATIONS AND TYPES ONLY AND ARE NOT INTENDED TO DICTATE FIXTURE CIRCUITING. REFERENCE ELECTRICAL ENGINEERING DRAWINGS FOR CIRCUITING AND ALL OTHER INFORMATION.
- REFER TO THE REFLECTED CEILING PLAN SCHEDULE FOR FIXTURE TYPES. UNLESS OTHERWISE INDICATED LIKE FIXTURE LAMP TYPE AND WATTAGE TO MATCH THROUGHOUT.
- UNLESS OTHERWISE INDICATED LIGHT FIXTURE LOCATIONS SUPERCEDE OTHER FIXTURE PLACEMENTS, INCLUDING BUT NOT LIMITED TO AUDIO SPEAKERS, AIR GRILLES, DIFFUSERS AND SPRINKLER HEADS. IN THE EVENT OF A CONFLICT, REQUEST CLARIFICATION FROM ARCHITECT PRIOR TO PROCEEDING WITH INSTALLATION.
- WHERE APPLICABLE, ALL FIXTURE LOCATIONS TO BE COORDINATED WITH ARCHITECTURAL CEILING GRID. WHERE SINGLE FIXTURES OCCUR WITHIN A CEILING GRID THEY SHALL BE CENTERED IN EACH CEILING TILE UNLESS OTHERWISE INDICATED.
- CONTRACTOR TO SUBMIT CUT SHEETS AND TECHNICAL DATA TO ARCHITECT FOR ALL LIGHT FIXTURES SPECIFIED PRIOR TO PROCUREMENT. LIGHT FIXTURES NOT SUBMITTED TO AND APPROVED BY ARCHITECT SHALL BE REPLACED AT CONTRACTOR'S SOLE EXPENSE.
- UNLESS OTHERWISE INDICATED ADJACENT SWITCHES SHALL BE GANGED AND INSTALLED WITH A SINGLE MULTI-SWITCH COVER PLATE. IF GANGING OF SWITCHES IS NOT POSSIBLE, INDIVIDUAL SWITCHES SHALL BE SPACED AN EQUAL AND MINIMUM DISTANCE APART AND LOCATED AT THE SAME ELEVATION ABOVE FINISHED FLOOR.
- ALL SWITCHES, RECEPTACLES, THERMOSTATS AND OTHER CONTROLS SHALL MEET APPLICABLE CODES' ACCEPTABLE REACH RANGES.
- SWITCH COVER PLATES IN PROXIMITY TO DOORS SHALL BE LOCATED 6" HORIZONTALLY FROM INSIDE FACE OF DOOR FRAME UNLESS OTHERWISE INDICATED.
- UNLESS OTHERWISE INDICATED, EACH ROOM SHALL BE INDIVIDUALLY SWITCHED.
- REMOVE COVERS, PROTECTIVE FILMS, STICKERS, AND OTHER LABELS FROM LIGHT FIXTURES PRIOR TO PROJECT COMPLETION.
- EXIT SIGNS WITH DIRECTIONAL ARROWS SHALL BE PROVIDED WHERE NECESSARY TO MEET APPLICABLE CODES. EXIT SIGNS SHALL BE WIRED TO BUILDING EMERGENCY GENERATOR. IF GENERATOR IS NOT AVAILABLE, CONTRACTOR SHALL PROVIDE FIXTURES EQUIPPED WITH EMERGENCY BACK UP BATTERY PACKS. REFER TO ELECTRICAL DRAWINGS.
- CONTRACTOR SHALL PROVIDE AUDIBLE/ VISUAL FIRE STROBES INTEGRATED WITH BUILDING ALARM SYSTEM AS REQUIRED TO MEET APPLICABLE CODES. REFER TO ELECTRICAL DRAWINGS.

GRAPHICS SYMBOLS LEGEND

- | | | | |
|------------------------|-------------|--------------------------------|-------------------|
| CEILING TAG: | 1' - 0" MAT | SPRINKLER HEAD: | REFER TO SCHEDULE |
| LINEAR DIFFUSER: | | RECESSED CAN LIGHT FIXTURE: | REFER TO SCHEDULE |
| SUPPLY AIR GRILLE: | | PENDANT LIGHT FIXTURE: | REFER TO SCHEDULE |
| RETURN AIR GRILLE: | | LINEAR LIGHT FIXTURE: | REFER TO SCHEDULE |
| EXHAUST FAN: | | CEILING MOUNTED LIGHT FIXTURE: | REFER TO SCHEDULE |
| EXIT SIGN: | | WALL MOUNTED LIGHT FIXTURE: | REFER TO SCHEDULE |
| EMERGENCY REMOTE LAMP: | | TRACK LIGHT FIXTURE: | REFER TO SCHEDULE |
| SMOKE DETECTOR: | SD | | |



1 LEVEL 1 REFLECTED CEILING PLAN
1/4" = 1'-0"



A New Construction Project:

MSCCM -
Ellis Theater
Renovation

Project Site Address:
311 Byrd Ave,
Philadelphia, MS
39350

DAAD Project Number:
197852

No: 01 CD SET
2 Revision 1

08/11/21
08/23/21

Drawing:

PNC BUILDING RCP

A601-C

2520 White Avenue
Nashville, TN 37204
615.248.3223
dryden.studio



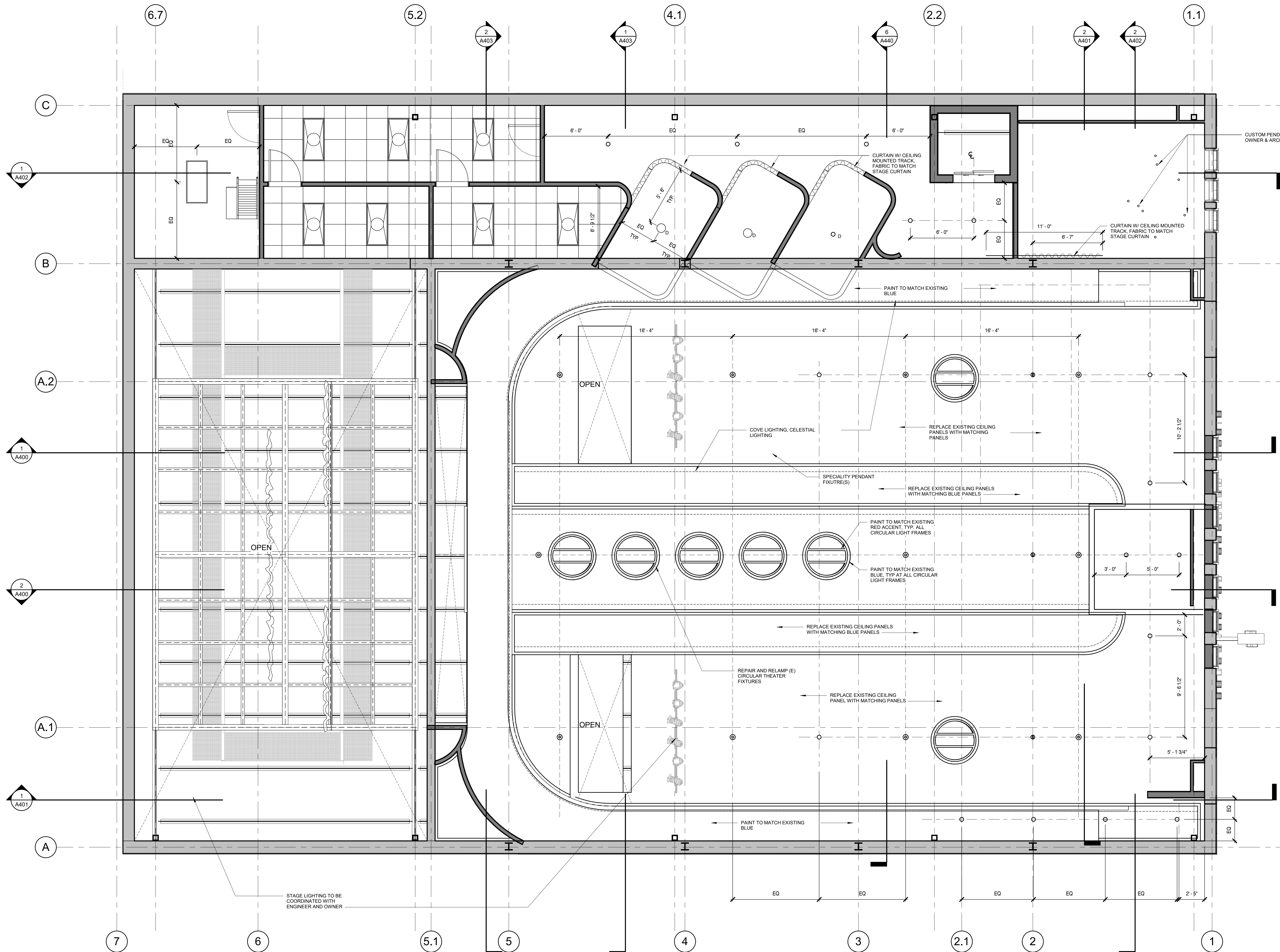
MSCM - Ellis Theater Renovation

08/11/21

BALCONY FLOOR
REFLECTED CEILING
PLAN

A602

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① LEVEL 2 REFLECTED CEILING PLAN
1/4" = 1'-0"



A New Construction Project:

MSCCM -
Ellis Theater
Renovation

Project Site Address:
311 Byrd Ave,
Philadelphia, MS
39350

DAAD Project Number:
197852

No: 01 CD SET

08/11/21

Drawing:

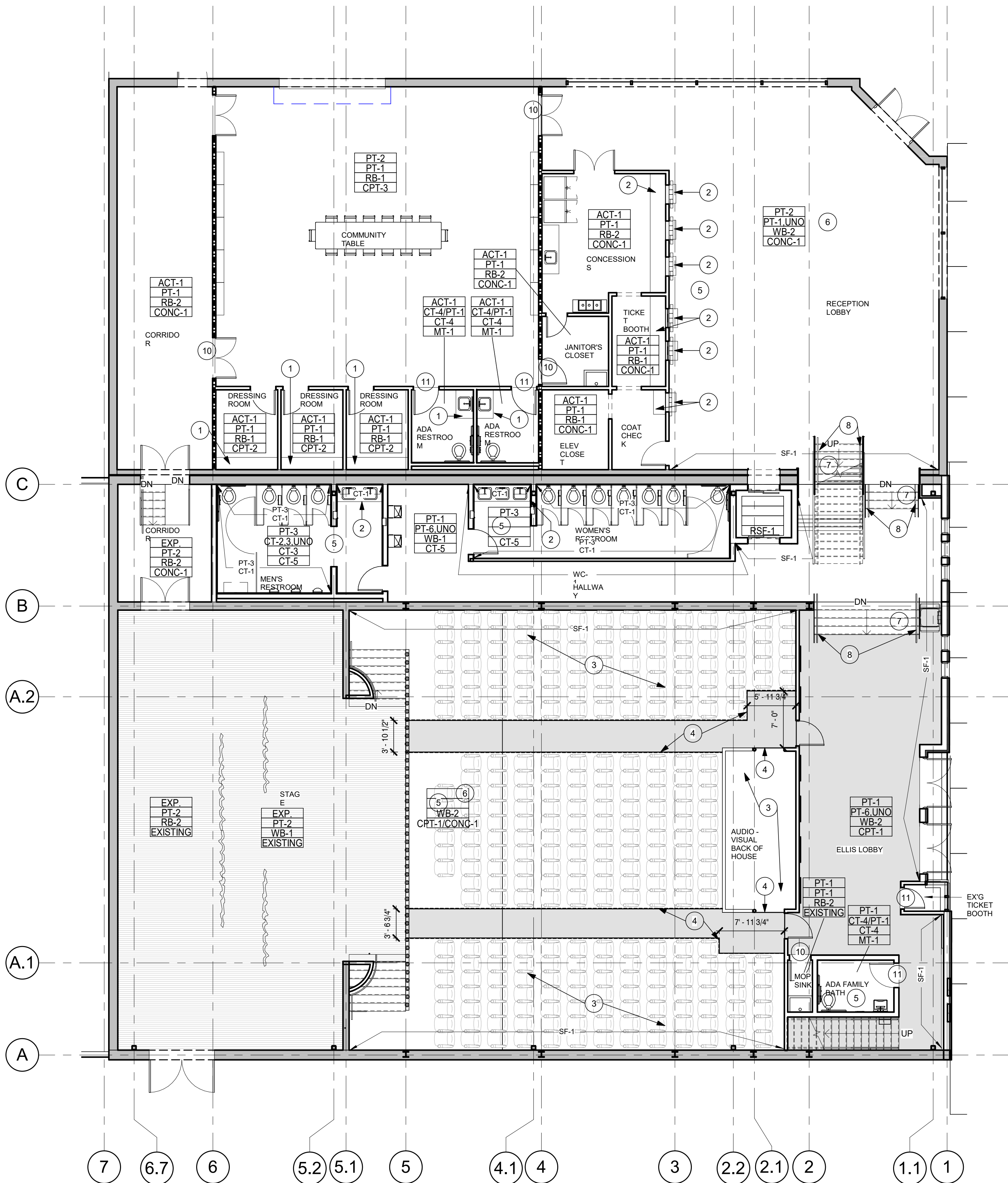
INTERIORS NOTES,
LEGENDS, FINISH
SCHEDULES

A700

FINISH NOTES	FINISH SCHEDULE	FINISH SCHEDULE (CON'T)
1. REFER TO GENERAL NOTES SHEET FOR GENERAL CONDITIONS AND REQUIREMENTS FOR ALL CONSTRUCTION. 2. CONTRACTOR TO PERFORM THE WORK OUTLINED IN THESE NOTES IN ALL AREAS OF CONSTRUCTION UNLESS NOTED OTHERWISE IN THESE DOCUMENTS. 3. PAINT FINISHES TO BE: (UNO) WALLS: EGGSHELL CEILINGS: FLAT MILLWORK / WOOD: SATIN METAL: SEMI-GLOSS 4. ALL MISC. PANELS, FIRE EXTINGUISHER CABINETS, EXPOSED DUCTING PARTS, LOUVERS, VENTILATION COVERS, AND ANY EQUIPMENT NOT FACTORY FINISHED INCLUDING ASSOCIATED HARDWARE SHALL BE PAINTED TO MATCH THE ADJACENT SURFACE ON WHICH IT OCCURS, UNO 5. FLOORING TRANSITIONS TO OCCUR AT CENTERLINE OF DOOR UNO. 6. COORDINATE SURFACE OF WALLS TO RECEIVE DARK PAINT TO BE FINISHED TO A LEVEL 4 FINISH SO AS NOT TO REFLECT IMPERFECTIONS IN WALL CONSTRUCTION OR FINISHING. 7. TELEPHONE BACKBOARD: PAINT COLOR & FINISH SHEEN OF ADJACENT WALL 8. EXPOSED FACE OF ALL ELECTRICAL PANEL BOXES: PAINT COLOR OF ADJACENT WALL, FINISH: SEMI-GLOSS 9. ALL SYSTEMS EXPOSED IN CEILING AREA ARE TO BE PAINTED, U.N.O., INCLUDING MECHANICAL DUCTWORK, CONDUIT, PIPING, MECHANICAL GRILLES LOCATED IN CEILING, ETC. 10. EXPOSED CONDUIT OR PIPING SHALL BE PAINTED COLOR & FINISH SHEEN TO MATCH THE ADJACENT SURFACE, UNO 11. ELECTRICAL DEVICES SHALL BE WHITE ON WHITE AND LIGHT COLORED WALLS. ELECTRICAL DEVICES SHALL BE BLACK ON DARK COLORED WALLS.	ACOUSTICAL CEILING TILE ACT-1MANUF: ARMSTRONG PRODUCT: CALLA COLOR: WHITE SIZE: 24" x 24" PROFILE: SQUARE TEGULAR GRID: 9/16 CONTACT: GWEN SANDLIN, 615-598-6831 CARPET CPT-1MANUF: EGE TYPE: BROADLOOM, 4.00 METER WIDTH, TUFTED LOOP PILE WITH INTEGRATED ACOUSTIC BACKING PATTERN: FLOWER MOSA, AS PER SAMPLE RGW210706-411 COLOR: AS PER SAMPLE RGW210706-411 SIZE: SEE PLANS, .37" THICK INSTALL: MONOLITHIC, DIRECT STICK TO SUBFLOOR, 100% ADHESION. NOTE: SEE PLANS FOR INSTALLATION ACCESSORY LOCATIONS, OVERLOOK EDGE STITCHING ALL EXPOSED EDGES ALONGCONTACT: SHIRAZ RIZVI, SR@EGECARPETS.COM CPT-2MANUF: EGE TYPE: CARPET TILE DESIGN: FADED DAHLIA RFM55751816, VERSION: EQ70077T1-2, HIGHLINE LOOP WITH ACOUSTICBACKING COLOR: STANDARD SIZE: 48cm x 48cm INSTALL: MONOLITHIC CONTACT: SHIRAZ RIZVI, SR@EGECARPETS.COM CPT-3MANUF: EGE TYPE: CARPET TILE DESIGN: REWOVEN MONO RFM55751810, VERSION: EQ70001T1-13, HIGHLINE LOOP WITH ACOUSTIC BACKING COLOR: BLUE SIZE: 48cm x 48cm INSTALL: MONOLITHIC CONTACT: SHIRAZ RIZVI, SR@EGECARPETS.COM CERAMIC TILE CT-1MANUF: COUNTRY FLOORS STYLE: BLACK LEAF GLOSSY, TL80375 SIZE: 6"x6"x3/8" INSTALL: STRAIGHT STACK, SEE ELEVATIONS CT-2MANUF: CONCEPT SURFACES STYLE: EYE CANDY COLOR: MINT, GLOSSY SIZE: 3' x 10" x 3/16" INSTALL: SEE ELEVATIONS GROUT: LATICRETE, COLOR: TBD CONTACT: 901.330.6374 CT-3MANUF: CONCEPT SURFACES STYLE: EYE CANDY COLOR: CORTEN, GLOSSY SIZE: 3" x 10" x 3/16" INSTALL: SEE ELEVATIONS GROUT: LATICRETE, COLOR: TBD TRIM: SCHLUTER JOLLY, GRAPHITE FINISH CONTACT: 901.330.6374 CT-4MANUF: ARDEX STYLE: RIVIERA COLOR: RIMINI GREEN, GLOSSY SIZE: 4" x 4" INSTALL: SEE ELEVATIONS GROUT: LATICRETE, COLOR: TBD TRIM: SCHLUTER JOLLY, GRAPHITE FINISH CONTACT: (888) 512-7339 CT-5MANUF: DAL TILE PATTERN: EXHIBITION COLOR: GREY EX02 UNPOLISHED SIZE: 24x24 INSTALL: MONOLITHIC GROUT: LATICRETE, COLOR: TBD TRIM: TBD CONTACT: KRISSY KUBACH, 314-757-6116 SEALED CONCRETE CONC-1MANUF: TBD PRODUCT: COLOR: FINISH: SIZE: CONTACT: FABRIC FB-1MANUF: JERRY PAIR LEATHER STYLE: BELLA PELLE COLOR: 5006/12 PAPRIKA FINISH: SEMI ANILINE, DISTRESSED, ITALIAN SIZE: 40 SQ. FT HIDE FB-2MANUF: P KAUFMANN CONTRACT STYLE: DANAE SHEER COLOR: SILVER LEAF WIDTH: 118" CONTACT: ERIKA BOYD WALTHART, 615-609-0017 FB-3MANUF: P KAUFMANN CONTRACT STYLE: DANAE SHEER COLOR: GILDED WIDTH: 118" CONTACT: ERIKA BOYD WALTHART, 615-609-001 FB-4MANUF: P KAUFMANN CONTRACT STYLE: NFP WIDE BRILLIAN COLOR: SILVER BIRCH WIDTH: 118" CONTACT: ERIKA BOYD WALTHART, 615-609-0017 FB-5MANUF: P KAUFMANN CONTRACT STYLE: NFP WIDE BRILLIAN COLOR: PLATINUM WIDTH: 118" CONTACT: ERIKA BOYD WALTHART, 615-609-0017	MOSAIC TILE MT-1MANUF: DAL TILE TYPE: KEYSTONES, COLORBODY PORCELAIN MOSAIC COLOR: BLACK / EBONY D311 FINISH: MATTE SIZE: 1" HEX GROUT: LATICRETE, COLOR: TBD CONTACT: KRISSY KUBACH, 314-757-6116 PAIN PT-1MANUF: COLOR: FIELD WHITE FINISH: VARIES,SEE FINISH NOTES CONTACT: PT-2MANUF: COLOR: BLACK FINISH: VARIES,SEE FINISH NOTES CONTACT: PT-3MANUF: COLOR: BATHROOM ACCENT FINISH: VARIES,SEE FINISH NOTES CONTACT: PT-4MANUF: COLOR: MATCH EXISTING BLUE FINISH: VARIES,SEE FINISH NOTES CONTACT: PT-5MANUF: COLOR: MATCH EXISTING RED-ORANGE FINISH: VARIES,SEE FINISH NOTES CONTACT: PT-6MANUF: SCUFFMASTER / WOLF GORDON COLOR: BURNISHED METALLIC BR002 PRODUCT: GOH 32162850 CONTACT: 800-347-0550 PT-7MANUF: COLOR: MATCH EXISTING BABY BLUE FINISH: VARIES,SEE FINISH NOTES CONTACT: RESILIENT FLOOR RSF-1MANUF: BOLON TYPE: WOVEN VINYL PATTERN: DIVERSITY BUZZ COLOR: SPICE SIZE: 2040MM ROLL WIDTH, 2.50MM THICK RSF-2MANUF: ARMSTRONG FLOORING TYPE: MIGRATIONS BBT PATTERN: T3540 COLOR: NIGHTFALL SIZE: 12" x 12" x 1/8" THICK RUBBER BASE RB-1MANUF: ROPPE TYPE: COVE WALL BASE COLOR: 170 WHITE SIZE: 4" H RB-2MANUF: ROPPE TYPE: COVE WALL BASE COLOR: 123 CHARCOAL SIZE: 4" H SOLID SURFACE SSF-1MANUF: DURAT COLOR: 021 SIZE: 3CM CONTACT: KRISTINE HART, 770.543.9920 SSF-2MANUF: CAESARSTONE PATTERN: EMPIRA BLACK COLOR: 5101 SIZE: 3CM CONTACT: LINDSAY EASTLAND, 470-277-0674 SPECIALTY FINISH SF-1MANUF: CUSTOM STYLE: PAINTED STENCILED MOTIF. PATTERN DESIGNED BY ARCHITECT AND OWNER, APPLIED BY PAINT ARTISAN, COORDINATED BY GC. COLOR: BASE PAINT COLOR: TBD, STENCIL ACCENT PAINT COLOR: TBD WALL COVERING WC-1MANUF: FLAVOR PAPER TYPE: TYPE II VINYL SUBSTRATE PATTERN: RORSCHACH COLOR: LICORICE ON MICA SIZE: 27" x 15" REPEAT: 27" INSTALL: STRAIGHT ACROSS CONTACT: CLARE COLTON LASITER, 718-303-0079 WOOD WD-1SPECIES: WHITE OAK FINISH: CLEAR COAT STAIN: STAIN TO MATCH ARCHITECT'S SAMPLE WOOD BASE WB-1SPECIES: MDF FINISH: PT-2 SIZE: 5 1/2" H x 1/2" THICK PROFILE: STRAIGHT WB-2SPECIES: MDF FINISH: PAINT TO MATCH WALL ABOVE SIZE: 5 1/2" H x 1/2" THICK PROFILE: STRAIGHT

FINISH KEYNOTES

- 1 SSF-1 COUNTER, SEE ELEVATIONS
- 2 SSF-2 COUNTER, SEE ELEVATIONS
- 3 SEALED CONCRETE IN THIS AREA
- 4 GEMINI 1900 CARPET TO FLOOR ILLUMINATED PATH
LIGHT TRANSITION STRIP ALONG ALL EXPOSED CARPET
EDGES IN THEATER. COORDINATE WITH ELEC
- 5 SEE ELEVATIONS FOR FINISH INFORMATION
- 6 SEE RCP FOR FINISH INFORMATION
- 7 WD-1 STAIR TREADS
- 8 LEATHER WRAPPED WOODEN HANDRAIL,
HANDSTITCHED SEAM AT BOTTOM OF HANDRAIL
- 9 CONTRACTOR TO COORDINATE LOCAL FINISHING OF
EXPOSED BROADLOOM CARPET EDGES IN BALCONY
AREA
- 10 CARPET TO CONCRETE TRASNITION, USE RUBBER
REDUCING STRIP
- 11 CARPET TO TILE FLOORING TRANSITION, USE METAL
REDUCING PROFILE
- 12 CARPET TO RESILIENT FLOOR TRANSITION, USE
RUBBER REDUCING STRIP



① LEVEL 1 OVERALL PLAN
1/8" = 1'-0"

A New Construction Project:

MSCCM - Ellis Theater Renovation

Project Site Address:
311 Byrd Ave,
Philadelphia, MS
39350

DAAD Project Number:
197852

No: 01 CD SET

08/11/21

Drawing:

INTERIOR FIRST FLOOR
PLAN

A701

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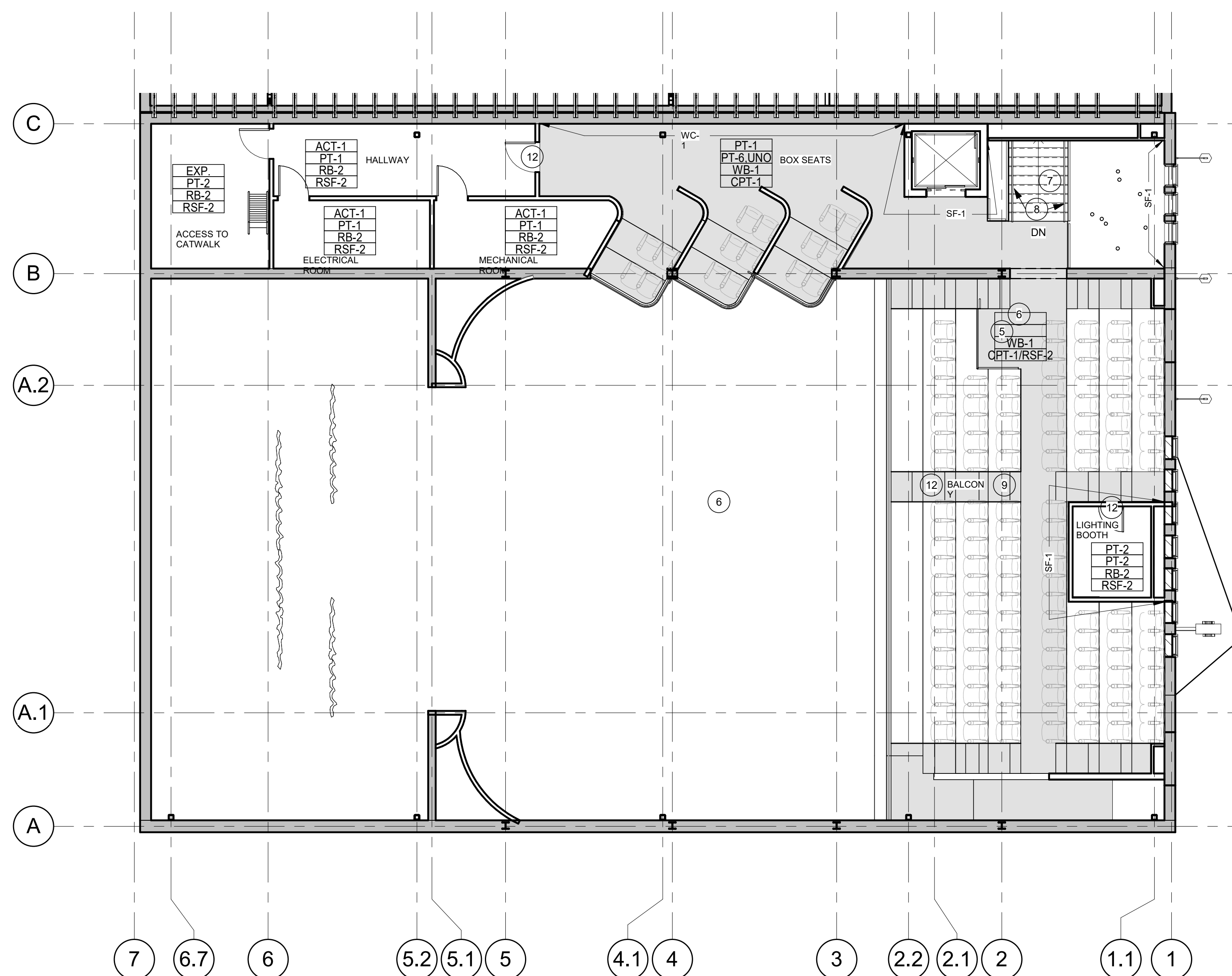
MSCCM - Ellis Theater Renovation

08/11/21

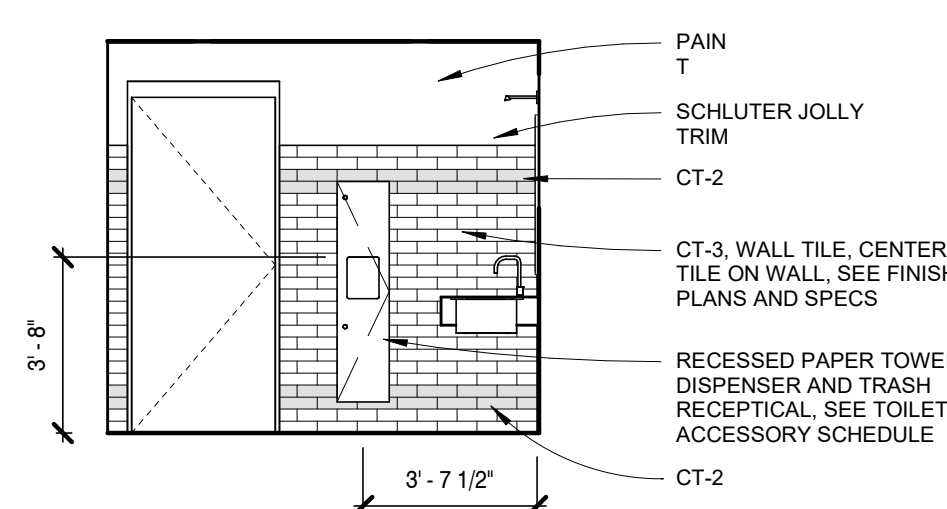
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Do not scale drawings - consult Architect.

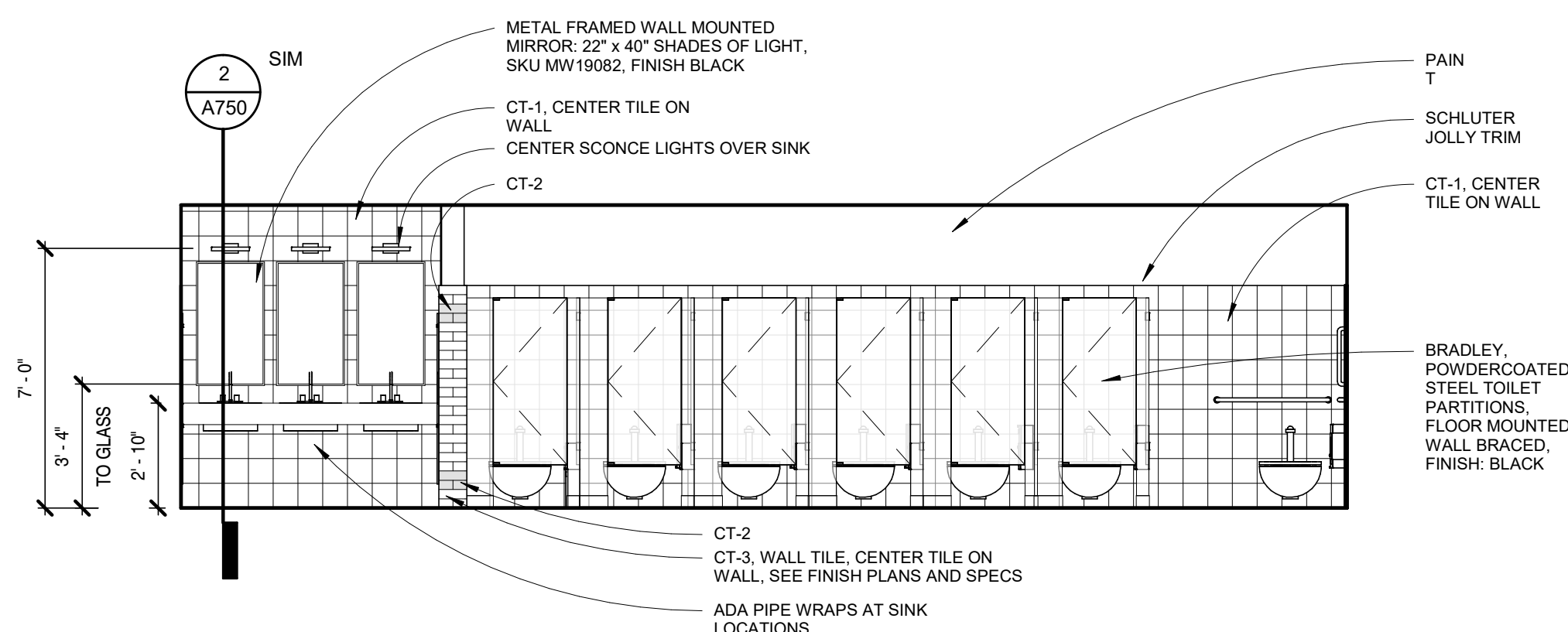
- 1 SSF-1 COUNTER, SEE ELEVATIONS
- 2 SSF-2 COUNTER, SEE ELEVATIONS
- 3 SEALED CONCRETE IN THIS AREA
- 4 GEMINI 1900 CARPET TO FLOOR ILLUMINATED PATH
LIGHT TRANSITION STRIP ALONG ALL EXPOSED CARPET
EDGES IN THEATER, COORDINATE WITH ELEC.
- 5 SEE ELEVATIONS FOR FINISH INFORMATION
- 6 SEE RCP FOR FINISH INFORMATION
- 7 WD-1 STAIR TREADS
- 8 LEATHER WRAP AT BOTTOM HANDRAIL,
HANDSTITCHED SEAM AT BOTTOM OF HANDRAIL
- 9 CONTRACTOR TO COORDINATE LOCAL FINISHING OF
EXPOSED BROADLOOM CARPET EDGES IN BALCONY
AREA
- 10 CARPET TO CONCRETE TRANSITION, USE RUBBER
REDUCING STRIP
- 11 CARPET TO TILE FLOORING TRANSITION, USE METAL
REDUCING PROFILE
- 12 CARPET TO RESILIENT FLOOR TRANSITION, USE
RUBBER REDUCING STRIP



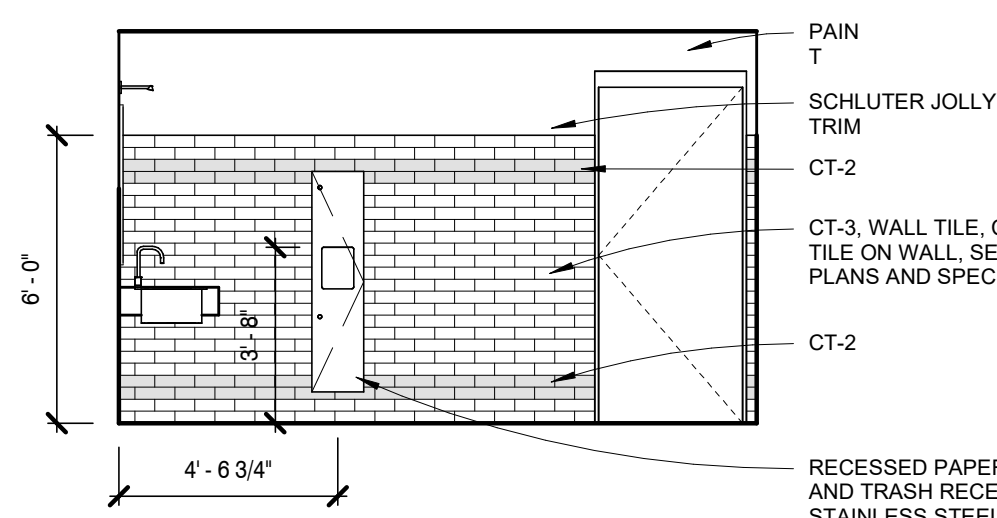
① LEVEL 2 OVERALL PLAN
1/8" = 1'-0"



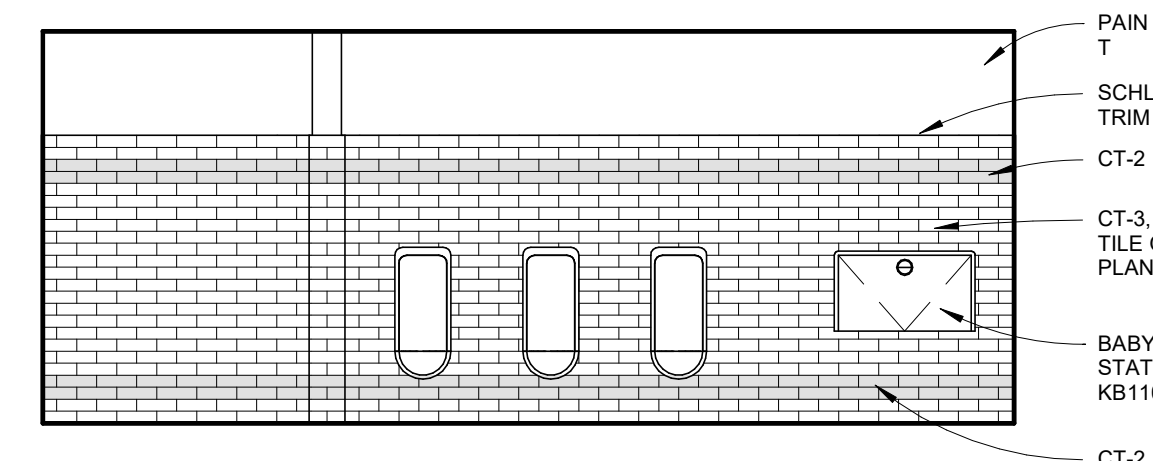
12 WOMENS RESTROOM WEST
1/4" = 1'-0"



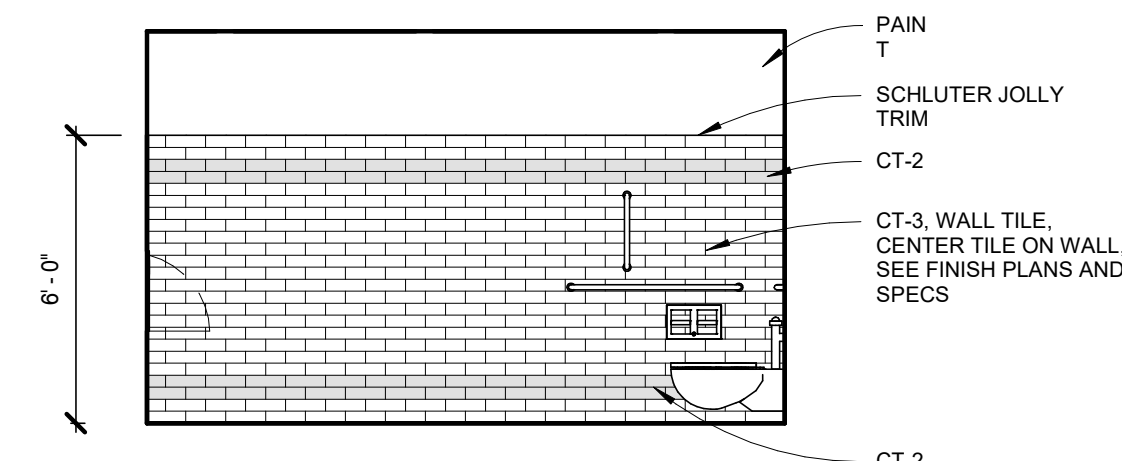
⑨ WOMENS RESTROOM NORTH
1/4" = 1'-0"



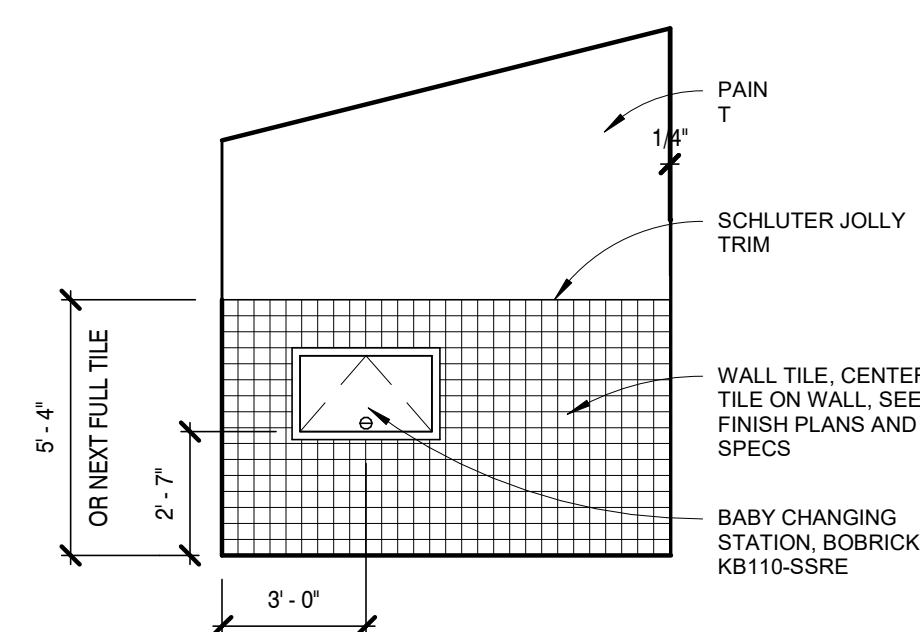
⑦ MENS RESTROOM EAST
1/4" = 1'-0"



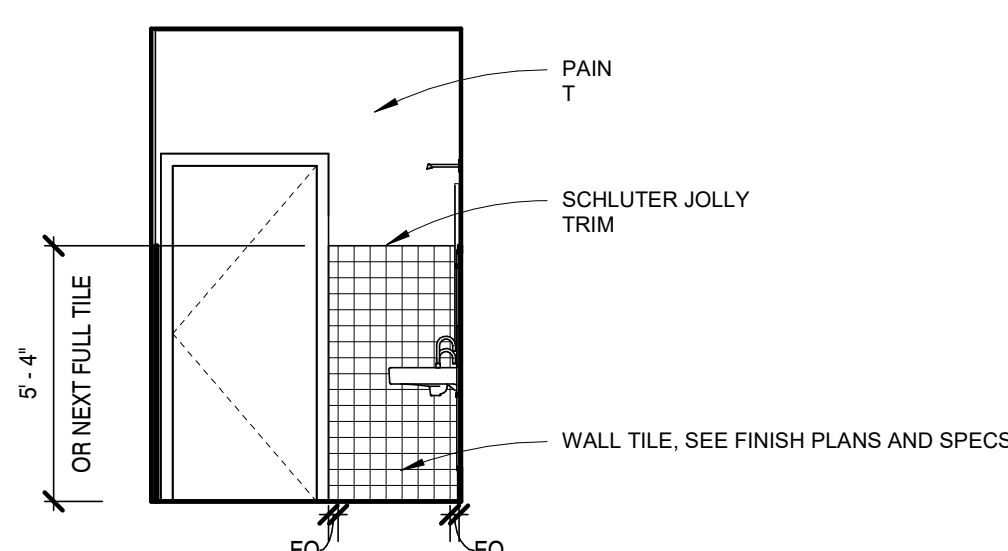
⑥ MENS RESTROOM SOUTH
1/4" = 1'-0"



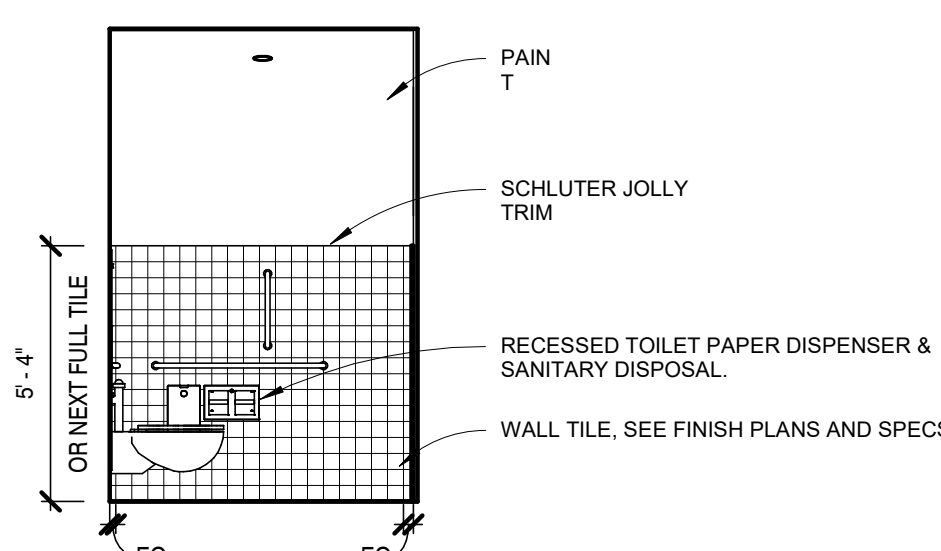
⑤ MENS RESTROOM WEST
1/4" = 1'-0"



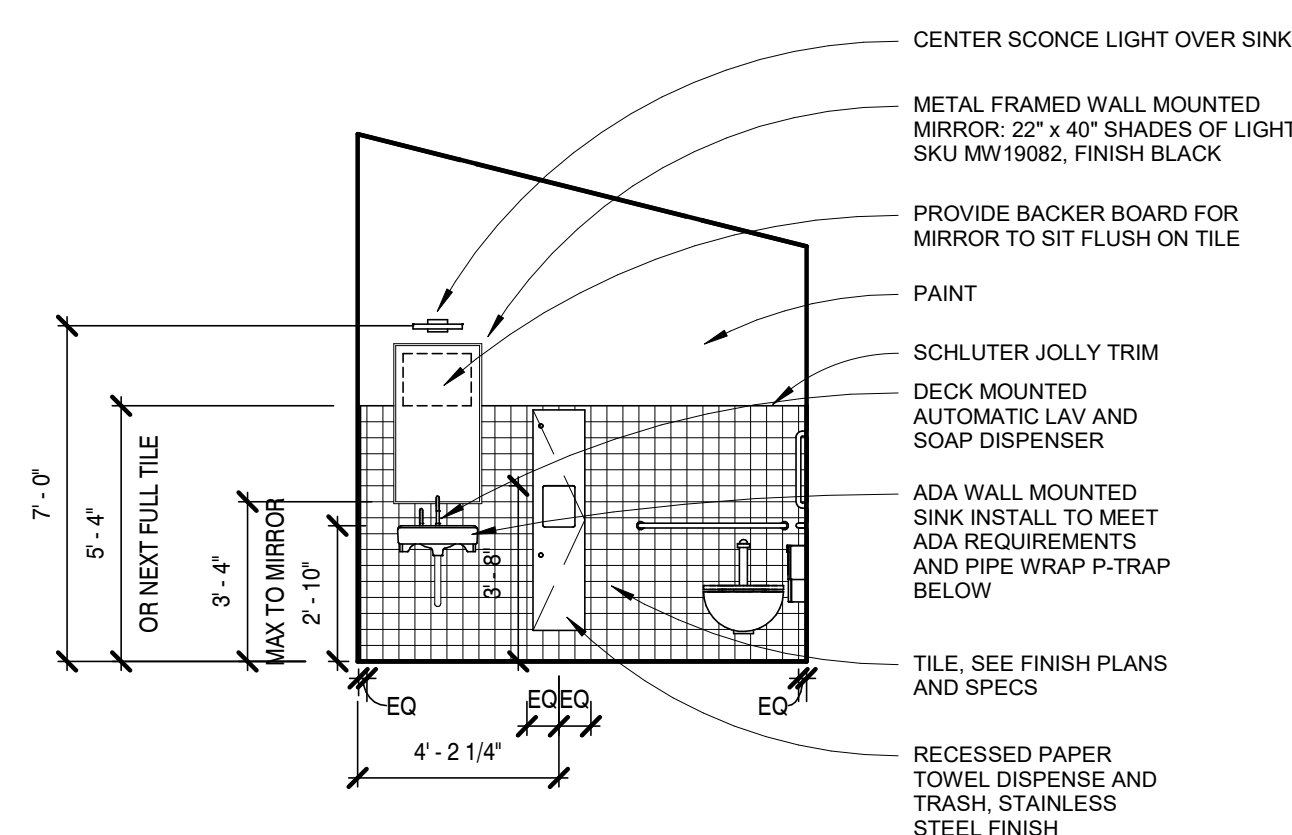
④ ADA FAMILY BATH NORTH
1/4" = 1'-0"



③ ADA FAMILY BATHROOM EAST
1/4" = 1'-0"



② ADA FAMILY BATHROOM WEST
1/4" = 1'-0"



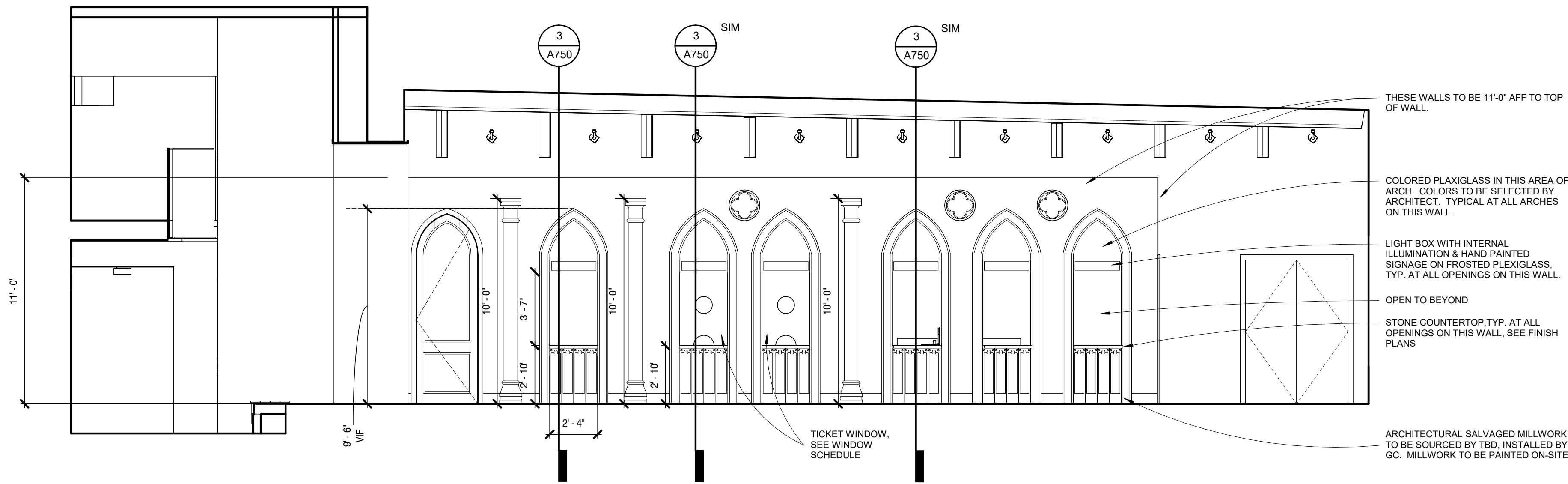
① ADA FAMILY BATHROOM SOUTH
1/4" = 1'-0"

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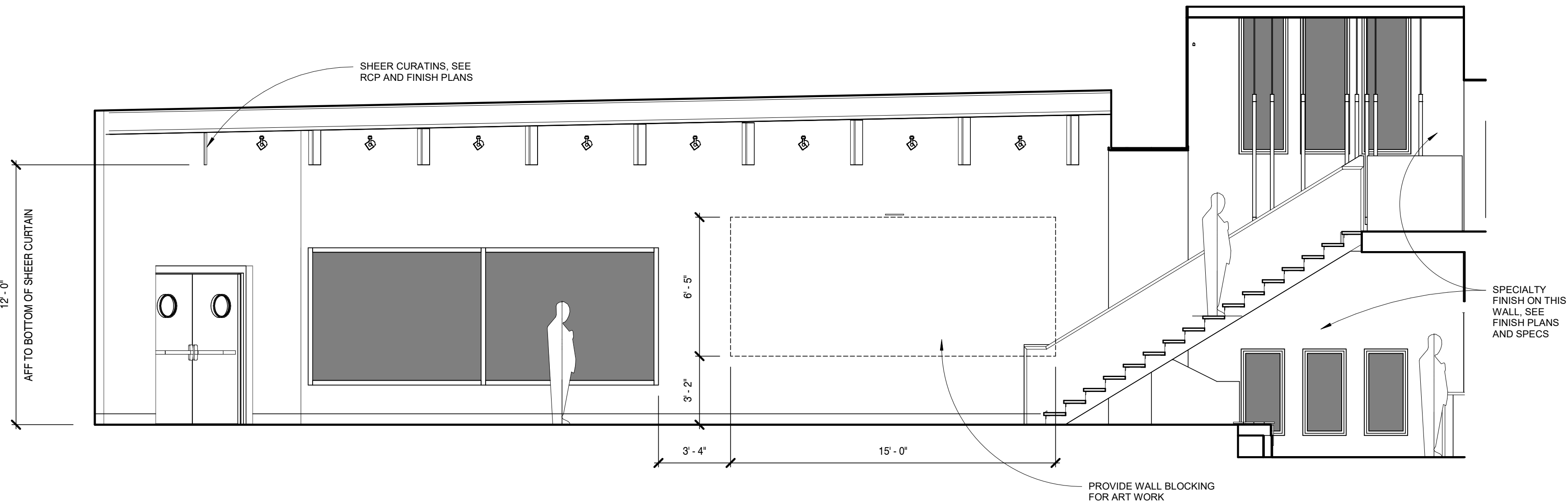
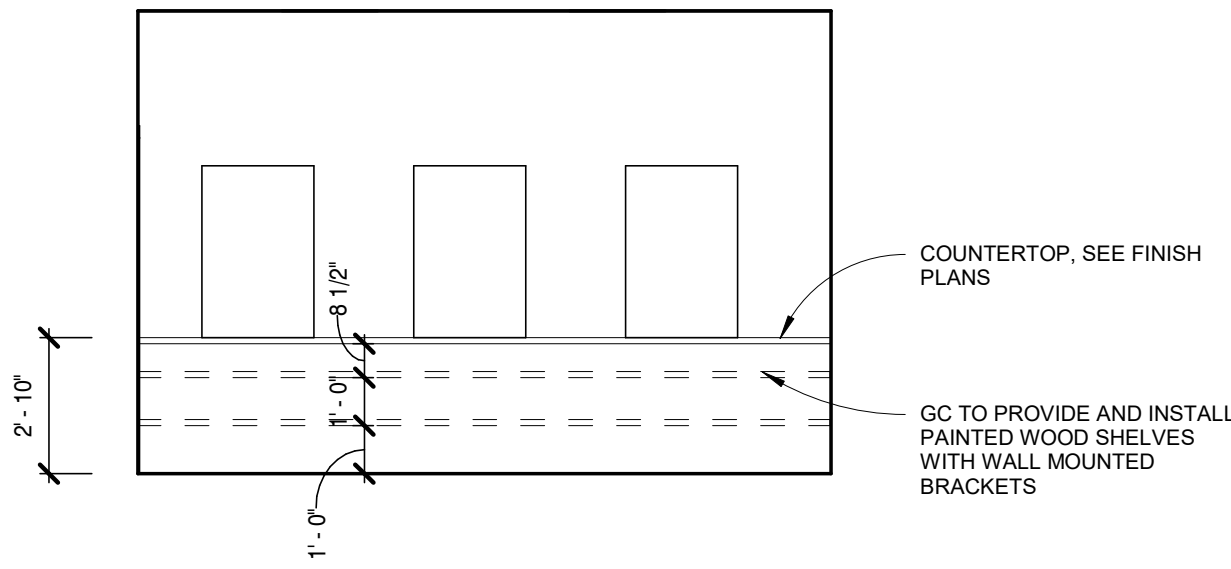
INTERIOR ELEVATIONS

A740



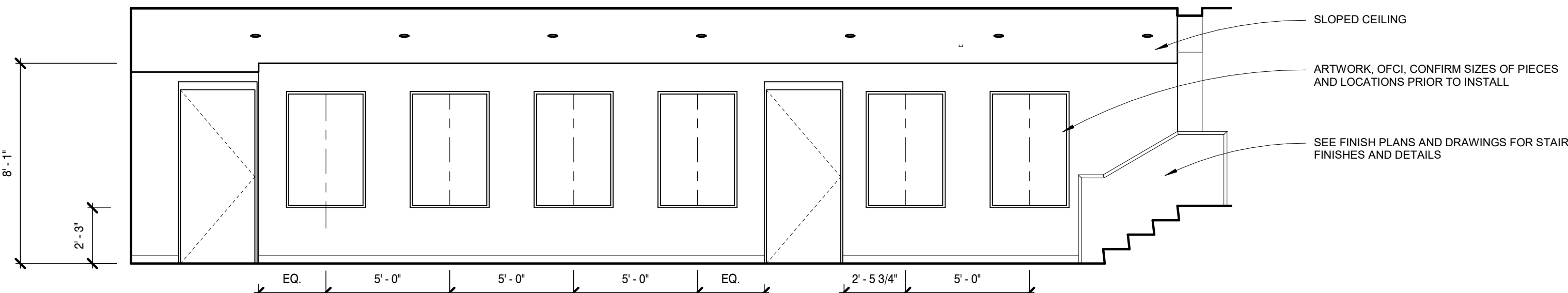
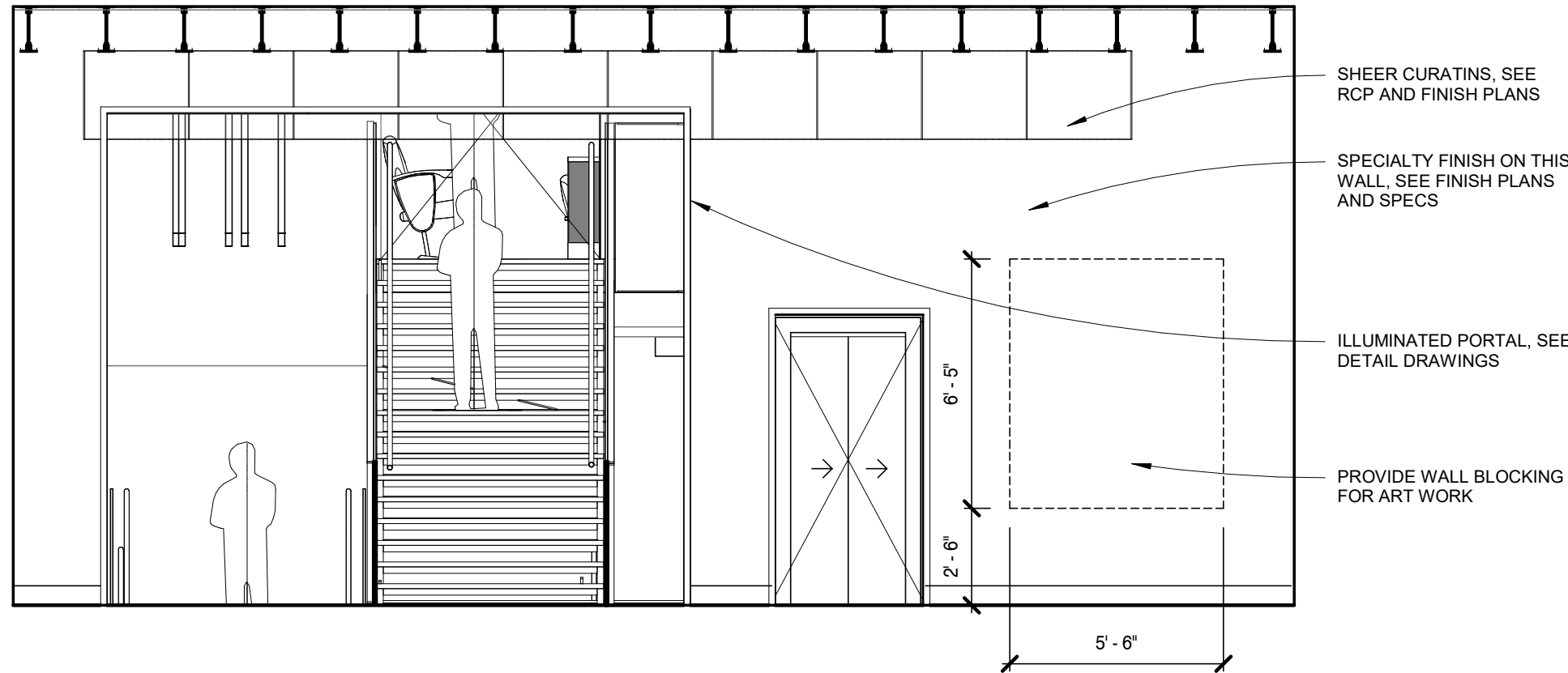
9 RECEPTION LOBBY WEST
1/4" = 1'-0"

8 CONCESSION STAND EAST
1/4" = 1'-0"

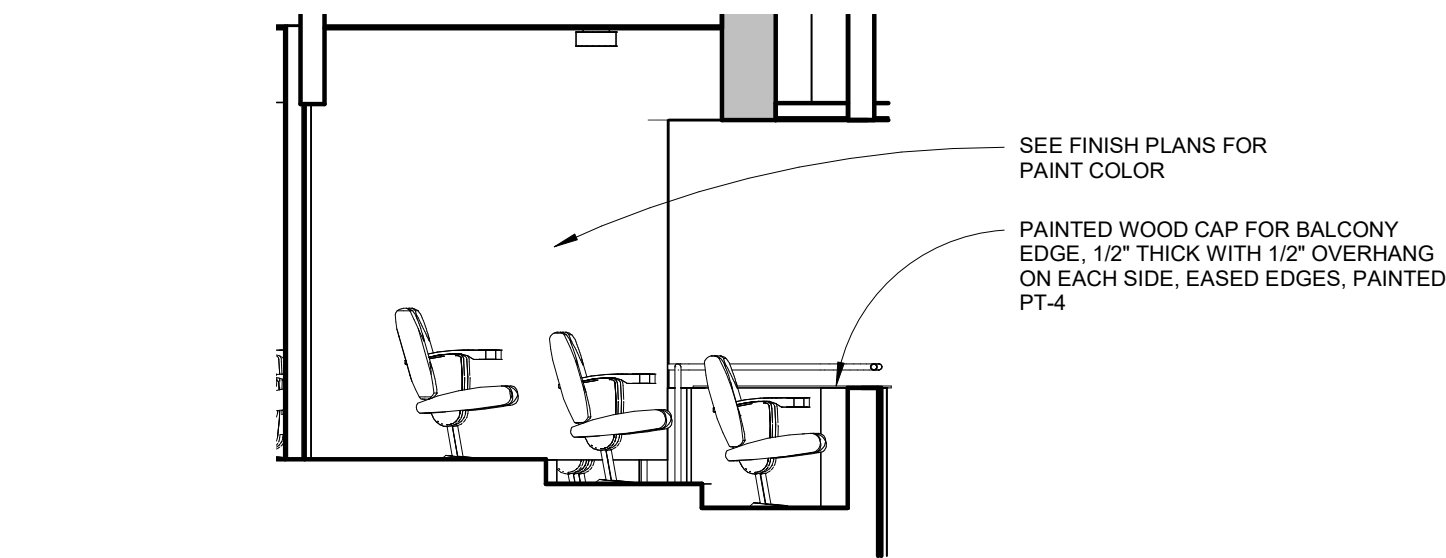


7 RECEPTION LOBBY EAST
1/4" = 1'-0"

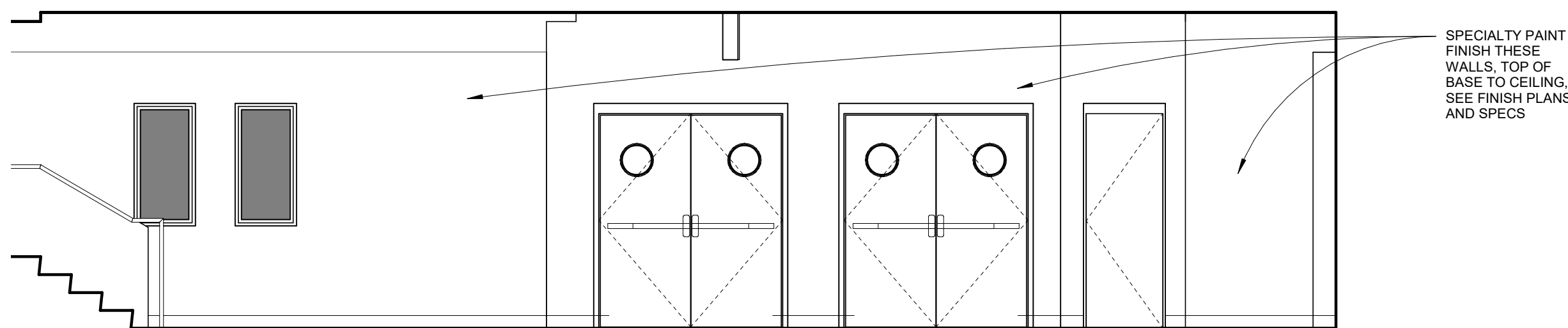
6 RECEPTION LOBBY SOUTH
1/4" = 1'-0"



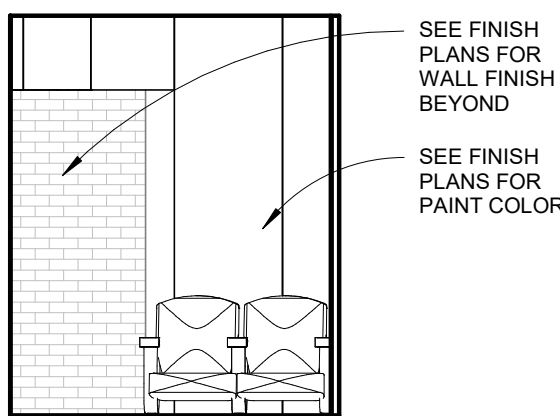
5 ELLIS LOBBY WEST
1/4" = 1'-0"



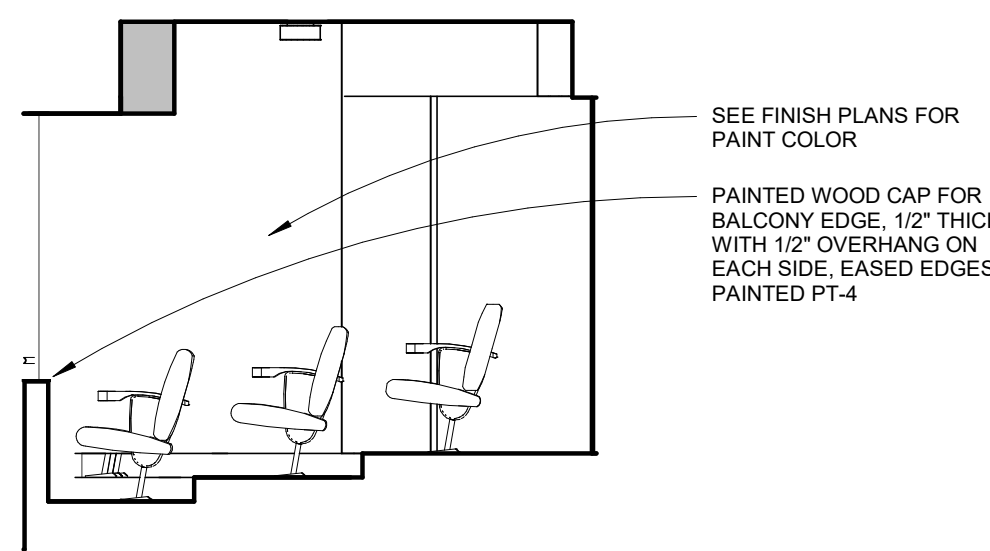
4 BOX SEATS WEST
1/4" = 1'-0"



3 ELLIS LOBBY EAST
1/4" = 1'-0"



2 BOX SEATS NORTH
1/4" = 1'-0"



1 BOX SEATS EAST
1/4" = 1'-0"

A New Construction Project:

MSCCM - Ellis Theater Renovation



Project Site Address:
311 Byrd Ave,
Philadelphia, MS
39350

DAAD Project Number:
197852

No: 01 CD SET

08/11/21

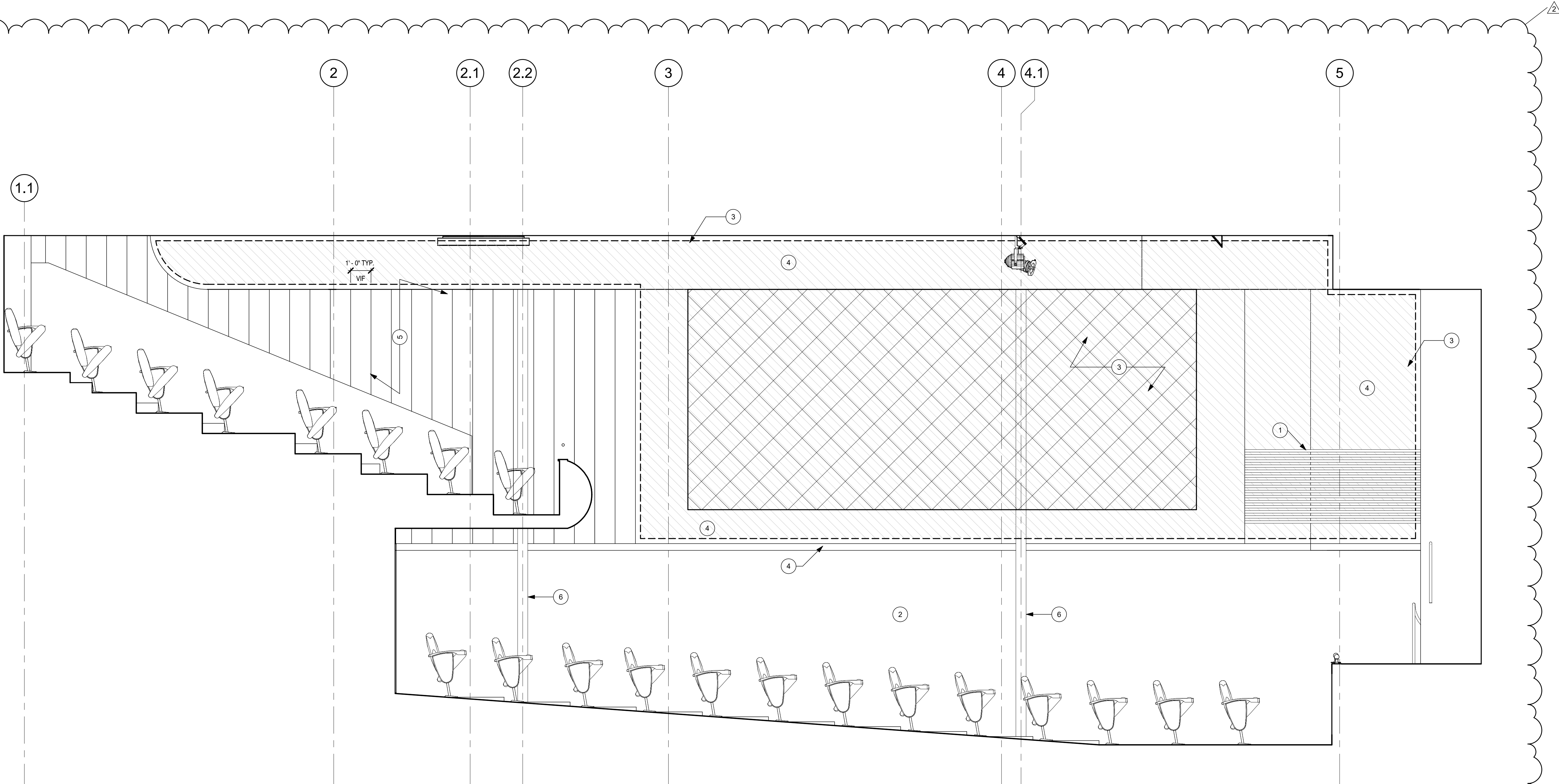
Drawing:

INTERIOR ELEVATIONS

A741

INTERIOR ELEVATION KEYNOTES

- 1 INSTALL NEW SOUND BOARD PANELS TO EXISTING SUBSTRATE, MATCH ORIGINAL, PAINT FINISH TO MATCH ORIGINAL OMBRE PAINT APPLICATION
- 2 PAINT LOWER PORTION OF THIS WALL WITH SPECIALTY PAINT FINISH, SEE FINISH PLANS AND SPECS
- 3 INSTALL NEW SOUND BOARD PANELS TO EXISTING SUBSTARTE, MATCH ORIGINAL, PAINT FINISH TO MATCH ORIGINAL OMBRE PAINT APPLICATION
- 4 PAINT TO MATCH ORIGINAL COLOR
- 5 PAINT TO MATCH ORIGINAL COLORS AND STRIPE PATTERN
- 6 PAINT COLUMN PT-7



1 THEATER BACK WALL
3/8" = 1'-0"



A New Construction Project:
**MSCCM -
Ellis Theater
Renovation**

Project Site Address:
311 Byrd Ave,
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39350

DAAD Project Number:
197852

No: 01 CD SET
2 Revision 1

08/11/21
08/23/21

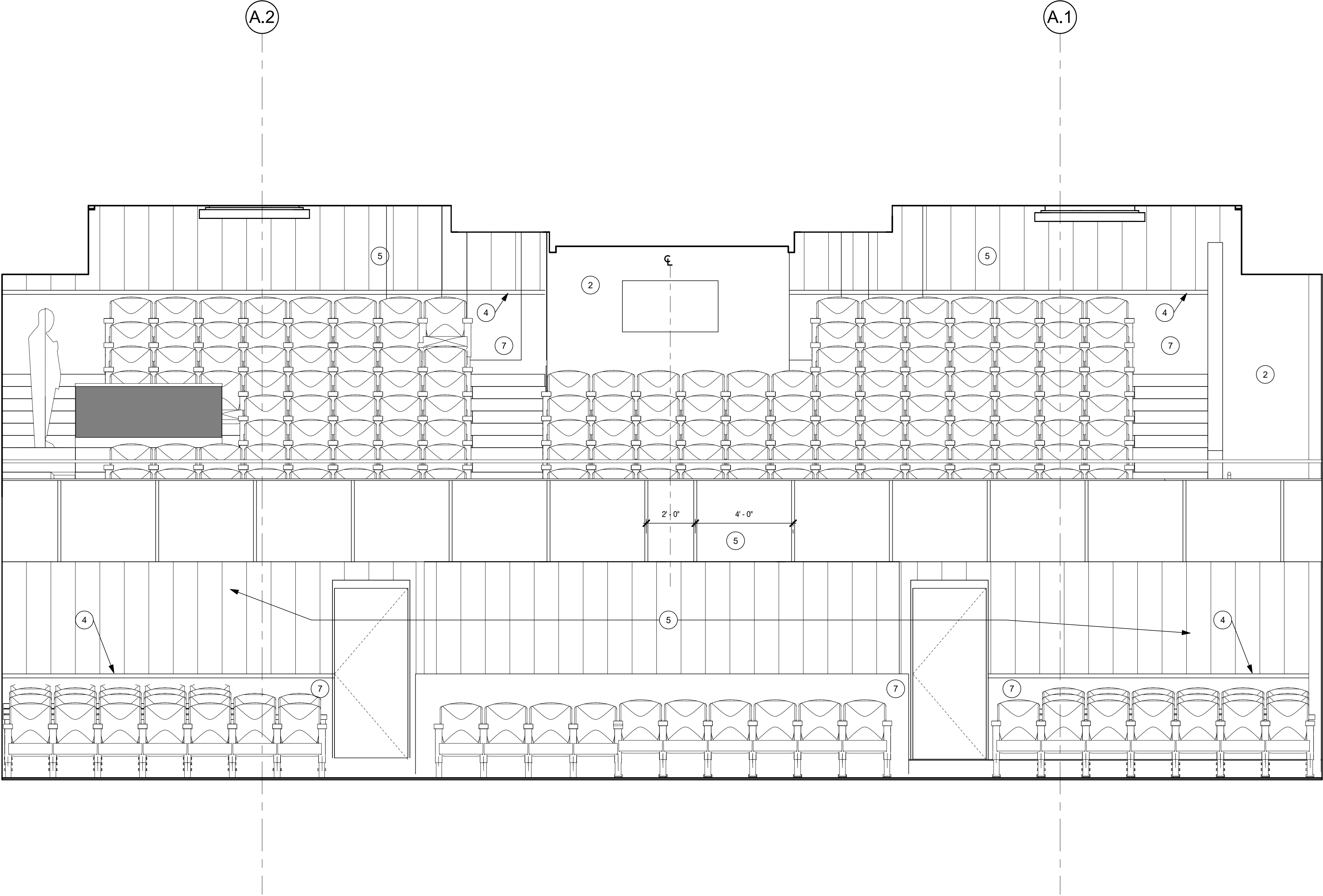
Drawing:

THEATER ELEVATIONS

A743

INTERIOR ELEVATION KEYNOTES

- 1 INSTALL NEW TECTUM PANELS TO MATCH ORIGINAL
- 2 PAINT LOWER PORTION OF THIS WALL WITH SPECIALTY PAINT FINISH. SEE FINISH PLANS AND SPECS
- 3 INSTALL NEW TECTUM PANELS TO MATCH ORIGINAL. PAINT FINISH TO MATCH ORIGINAL OMBRE PAINT APPLICATION
- 4 PAINT TO MATCH ORIGINAL COLOR
- 5 PAINT TO MATCH ORIGINAL COLORS AND STRIPE PATTERN
- 6 PAINT COLUMN PT-7



1 THEATER BALCONY WALL
3/8" = 1'-0"

Dryden

2520 White Avenue
Nashville, TN 37204

615.248.3223
dryden.studio



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08/11/21

Drawing:

THEATER ELEVATIONS

A744

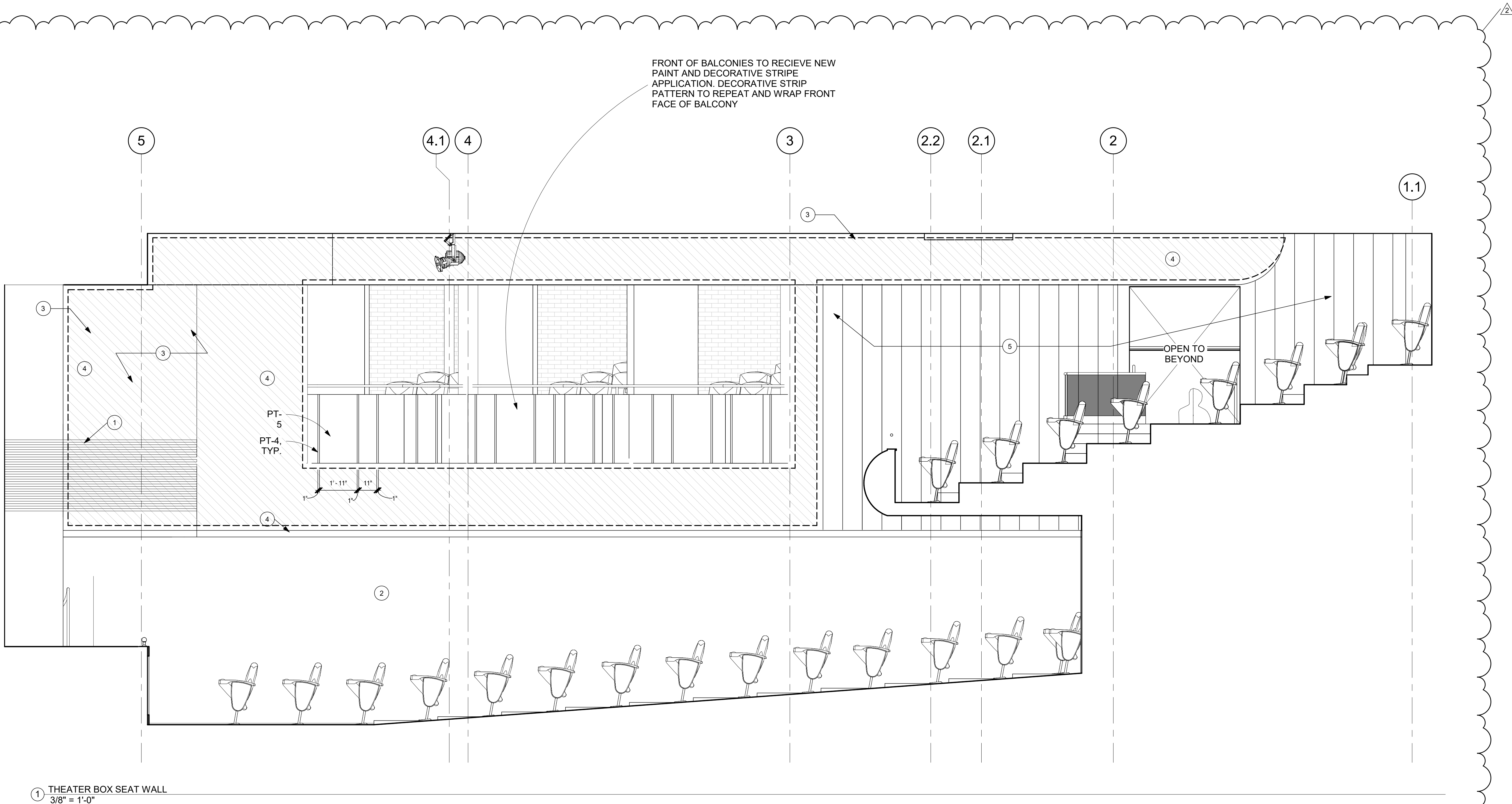
INTERIOR ELEVATION KEYNOTES

- 1 INSTALL NEW SOUND BOARD PANELS TO EXISTING SUBSTRATE, MATCH ORIGINAL, PAINT FINISH TO MATCH ORIGINAL OMBRE PAINT APPLICATION
- 2 PAINT LOWER PORTION OF THIS WALL WITH SPECIALTY PAINT FINISH, SEE FINISH PLANS AND SPECS
- 3 INSTALL NEW SOUND BOARD PANELS TO EXISTING SUBSTARTE, MATCH ORIGINAL, PAINT FINISH TO MATCH ORIGINAL OMBRE PAINT APPLICATION
- 4 PAINT TO MATCH ORIGINAL COLOR
- 5 PAINT TO MATCH ORIGINAL COLORS AND STRIPE PATTERN
- 6 PAINT COLUMN PT-7

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Philadelphia, MS
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08/11/21
08/23/21

Drawing:

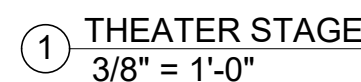
THEATER ELEVATIONS

A745

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- 1 INSTALL NEW SOUND BOARD PANELS TO EXISTING
SUBSTRATE. MATCH ORIGINAL PAINT FINISH TO MATCH
ORIGINAL OMBRE PAINT APPLICATION
- 2 PAINT LOWER PORTION OF THIS WALL WITH SPECIALTY
PAINT FINISH. SEE FINISH PLANS AND SPECS
- 3 INSTALL NEW SOUND BOARD PANELS TO EXISTING
SUBSTRATE. MATCH ORIGINAL PAINT FINISH TO MATCH
ORIGINAL OMBRE PAINT APPLICATION
- 4 PAINT TO MATCH ORIGINAL COLOR
- 5 PAINT TO MATCH ORIGINAL COLORS AND STRIPE
PATTERN
- 6 PAINT COLUMN PT-7



A New Construction Project:

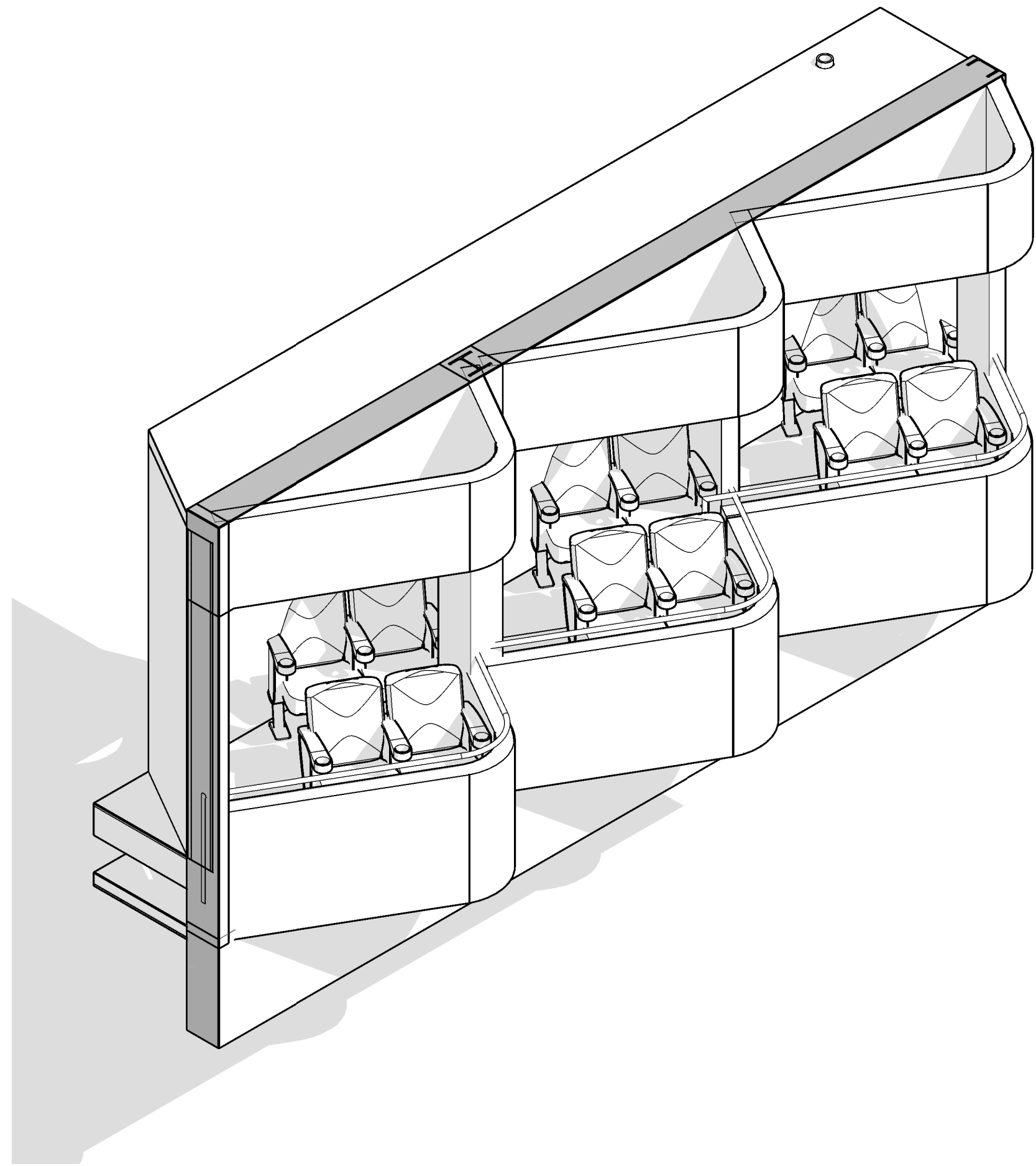
MSCM - Ellis Theater Renovation

No: 01 CD SET
2 Revision 1

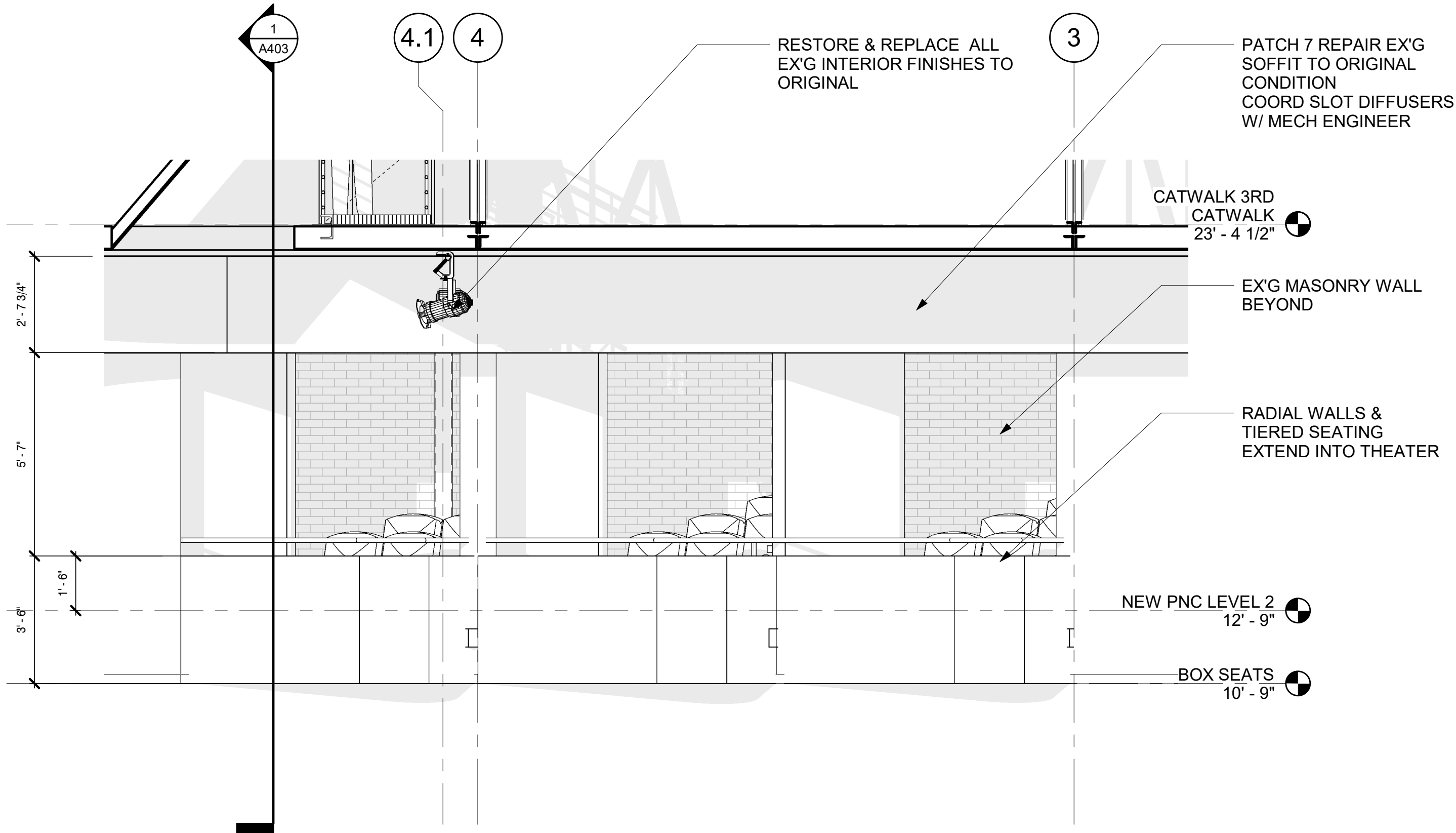
08/11/21
08/23/21

THEATER ELEVATIONS

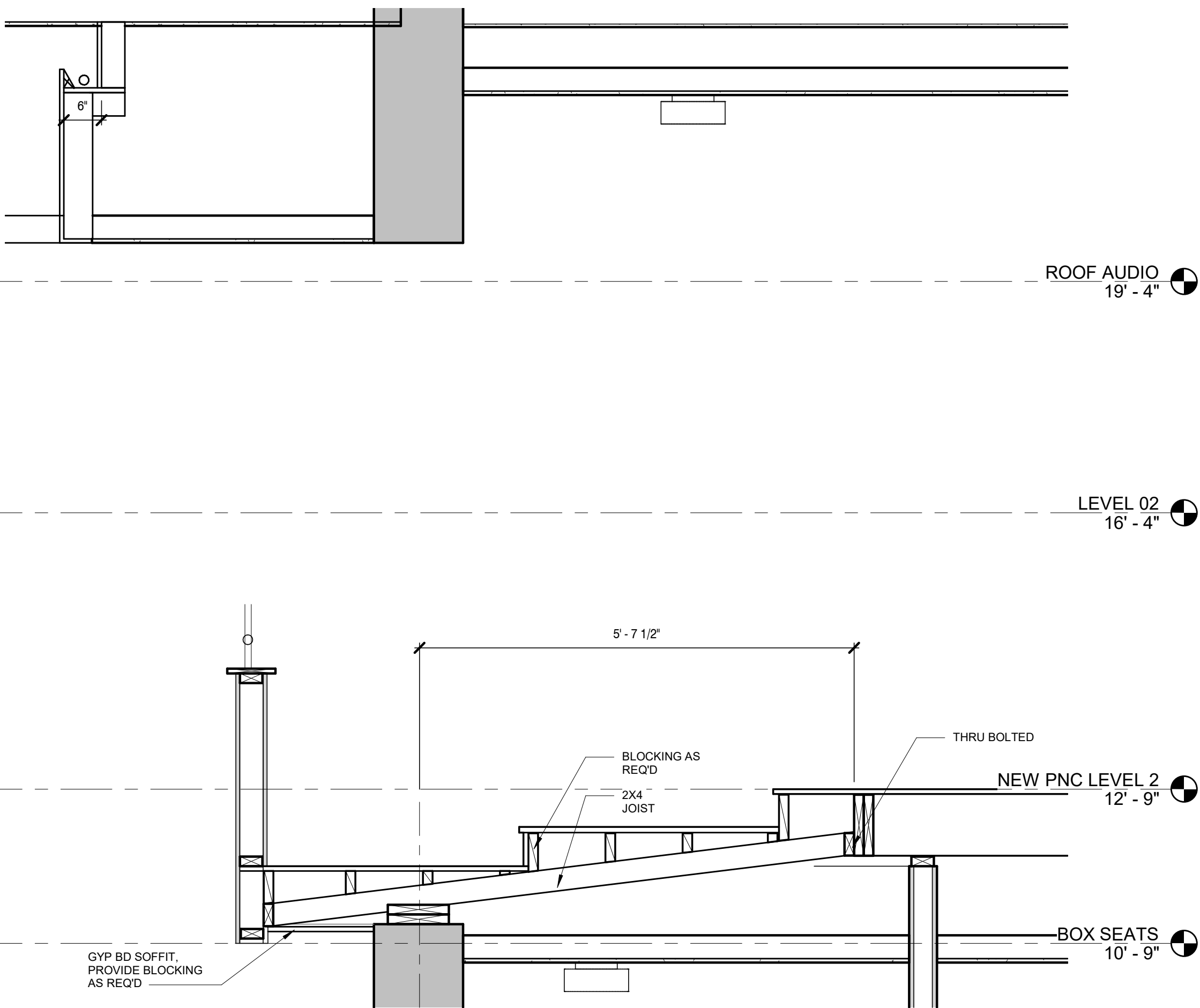
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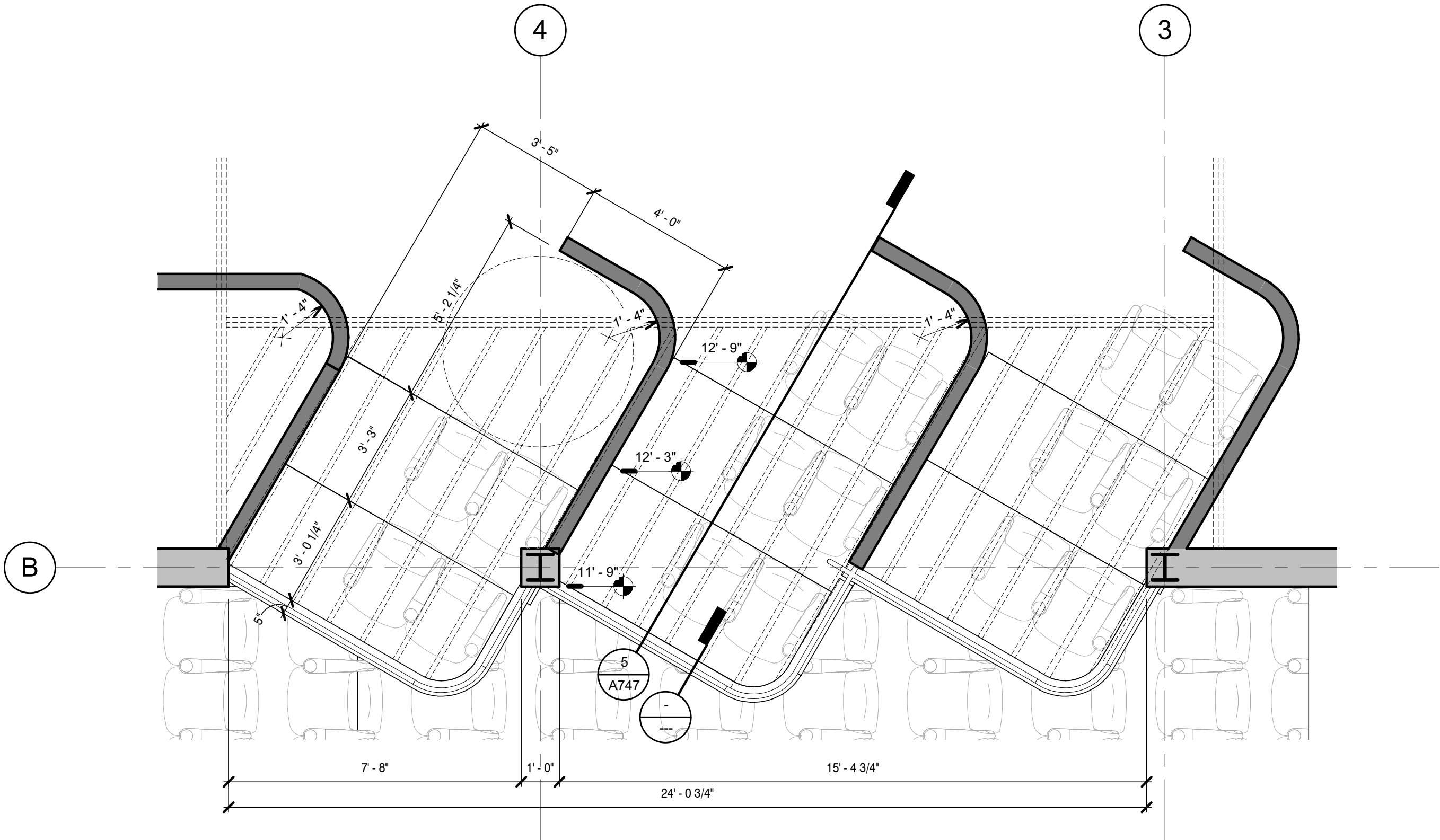
3 BALCONY AXONOMETRIC



2 ENLARGED BALCONY ELEVATION
3/8" = 1'-0"



5 BOX SEAT SECTION
3/4" = 1'-0"



1 ENLARGED BALCONY PLAN
3/8" = 1'-0"



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08/11/21

Drawing:

ENLARGED BOX SEAT
DETAILS

A747



A New Construction Project:

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Ellis Theater
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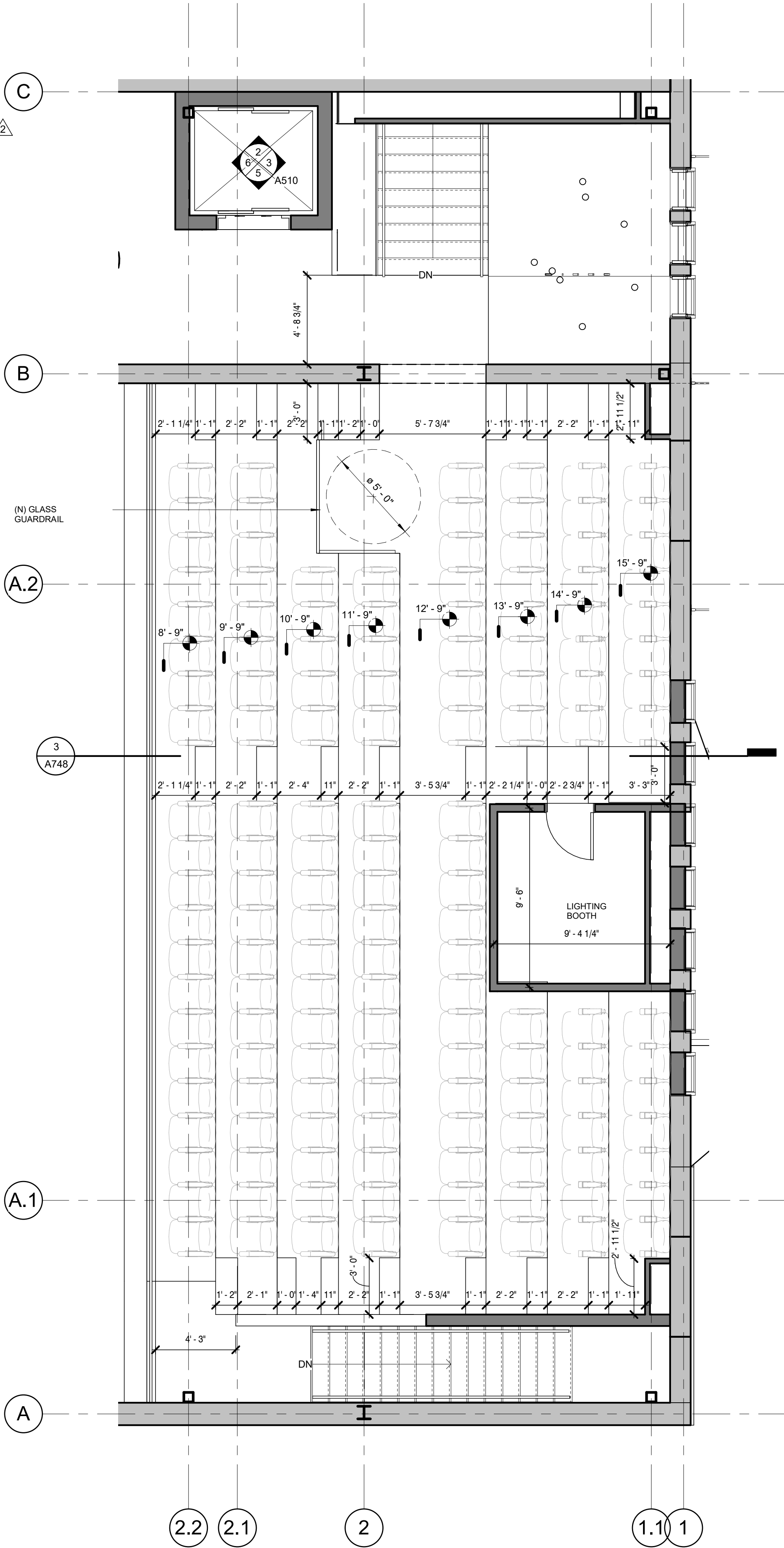
DAAD Project Number:
197852

No: 01 CD SET
2 Revision 1
08/11/21
08/23/21

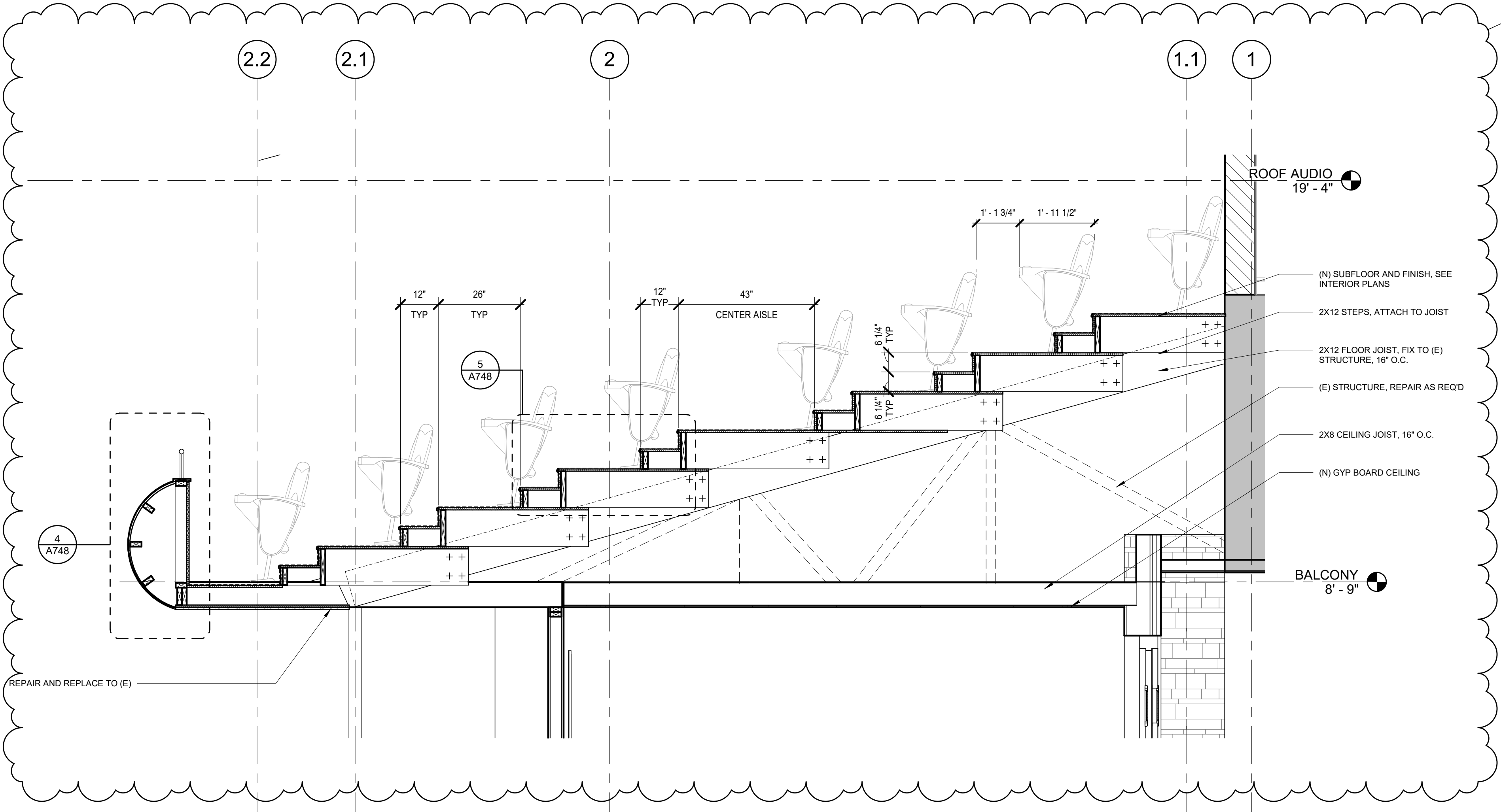
Drawing:

ENLARGED BALCONY
DETAILS

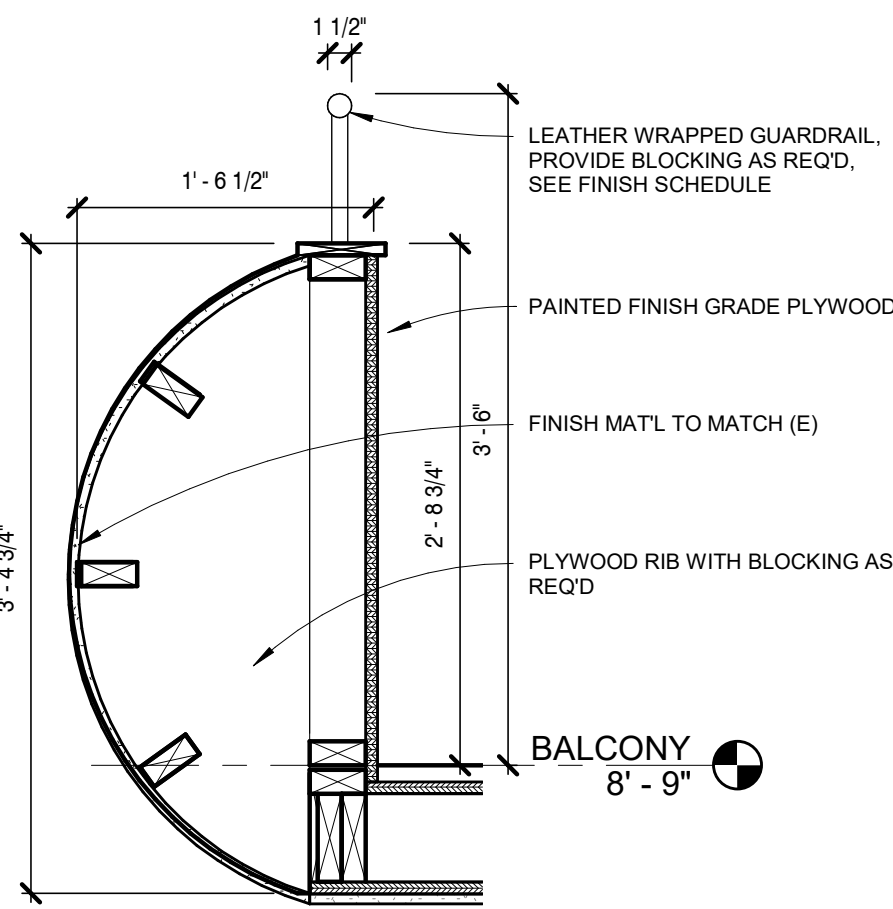
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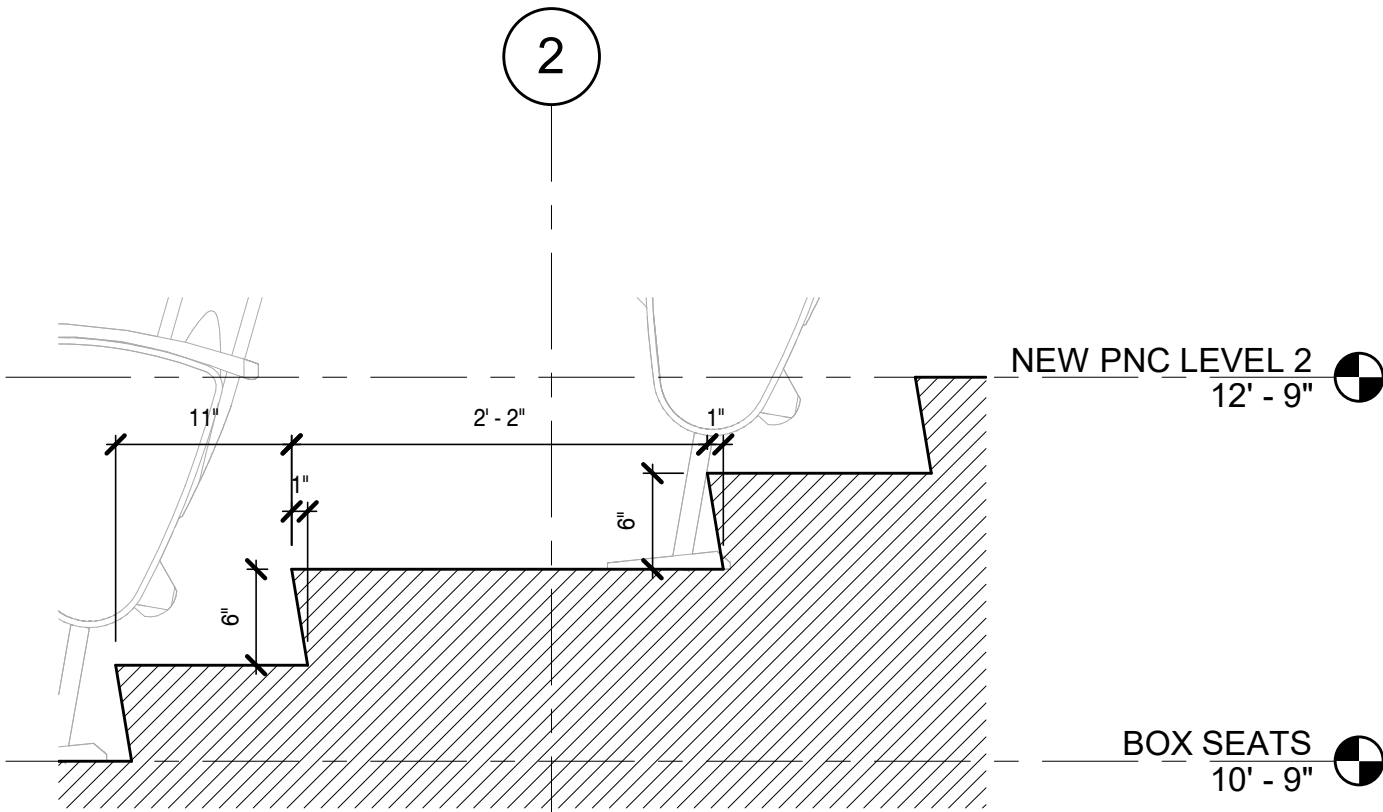
1 BALCONY
1/4" = 1'-0"



3 BALCONY SECTION DETAIL
1/2" = 1'-0"



4 BALCONY RAIL DETAIL
1" = 1'-0"



5 BALCONY STAIR TREAD
1" = 1'-0"



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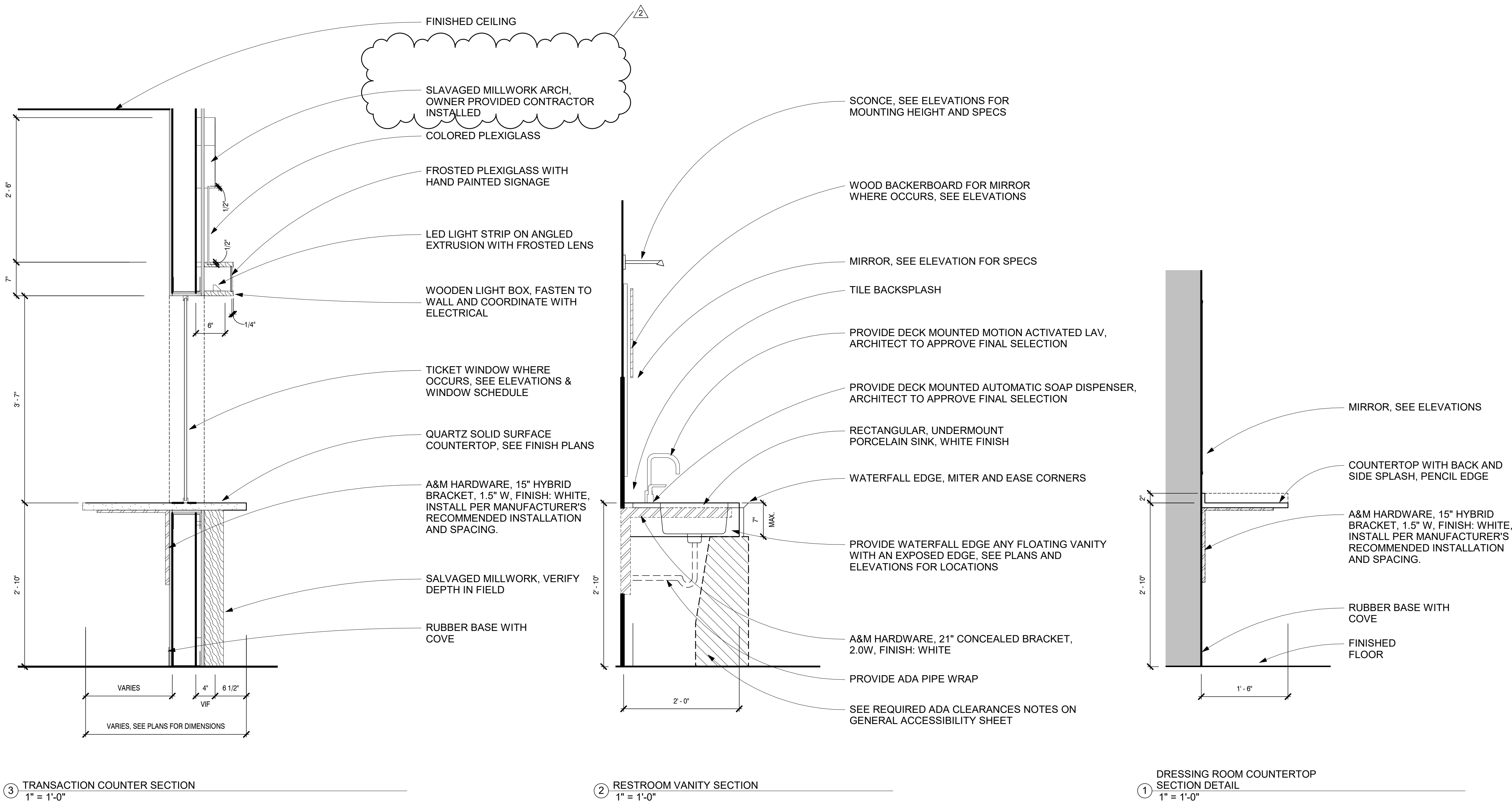
DAAD Project Number:
197852

No: 01 CD SET
2 Revision 1
08/11/21
08/23/21

Drawing:

INTERIOR SECTIONS
AND DETAILS

A750



1. ALL CONCRETE WORK SHALL CONFORM TO THE "A.C.I. BUILDING CODE", ACI 318 AND ACI 301, LATEST EDITION

2. DETAILING, FABRICATION AND PLACING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ACI 315-99, "ACI DETAILING MANUAL - 1999".

- UNLESS OTHERWISE NOTED, ALL REINFORCING BARS #4 AND LARGER SHALL CONFORM TO ASTM A615 GRADE 60 (60,000 PSI YIELD) AND ALL #2 AND #3 BARS SHALL CONFORM TO GRADE 40, 40,000 PSI YIELD. REINFORCING SHALL BE FREE FROM OIL, DIRT AND OTHER MATERIALS THAT WOULD WEAR THE CONCRETE WITH THE BONDING.
4. WELDED WIRE REINFORCING (WWR) SHALL CONFORM TO ASTM A-185. WELDED WIRE REINFORCING SHALL BE CHAINED TO MAINTAIN THE REINFORCING AT ONE-THIRD THE DEPTH BELOW THE TOP SURFACE OF THE CONCRETE PLACEMENT.
5. UNLESS OTHERWISE NOTED, CONCRETE PROTECTION FOR REINFORCING SHALL BE AS SPECIFIED IN THE "A.C.I. BUILDING CODE," (ACI 318 LATEST EDITION).
6. CONCRETE STRENGTH AND PROTECTION FOR REINFORCEMENT OF POURED-IN-PLACE MEMBERS, SEE SECTION 7.7 FOR A318 LATEST EDITION.
- | A. STRUCTURAL ELEMENT | MINIMUM COVER (INCHES) | CONCRETE STRENGTH (PSI)
AT 28 DAYS | W/C RATIO |
|-----------------------|----------------------------------|---------------------------------------|-----------|
| FLOORS | 3" ALL SURFACES | 3000 | 0.52 |
| GRADUATIONS | 2" BOTTOM & 2" SIDES, 1 1/2" TOP | 3000 | 0.52 |
| SLAB ON GRADE | 1 1/2" TOP & BOTTOM | 3000 | 0.52 |
| RETAINING WALLS | 2" EXTERIOR, 3" INTERIOR | 3000 | 0.52 |
| 4. EXTERIOR RISERS | 2" EXTERIOR, 3" INTERIOR | 3000 | 0.52 |
- PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE 1. MINIMUM OF 5 SACKS OF CEMENT PER CUBIC YARD.
7. FLYASH MAY BE USED TO REPLACE A PORTION OF THE PORTLAND CEMENT. THE RATIO OF FLYASH TO THE TOTAL OF THE FLYASH AND CEMENT IN A MIX SHALL NOT EXCEED 20%. FLYASH SHALL CONFORM TO ASTM C618, TYPE C OR F.
8. NO WATER SHALL BE ADDED TO THE CONCRETE AT THE JOBSITE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH THE CONCRETE SUPPLIER TO ENSURE A PUMPABLE AND WORKABLE MIX WITHOUT THE ADDITION OF WATER AT THE JOBSITE. THE USE OF PLASTICIZERS, RETARDANTS AND OTHER ADDITIVES SHALL BE AT THE DISCRETION OF THE CONTRACTOR. FOLLOW THE RECOMMENDATIONS OF THE MANUFACTURER FOR THE PROPER USE OF ADDITIVES. THE USE OF CALCIUM CHLORIDE OR OTHER ACCELERATING SALTS SHALL NOT BE PERMITTED.
9. CONCRETE SLUMP TESTS SHALL BE MADE BEFORE AND AFTER THE ADDITION OF ADMIXTURES AND MAY BE TAKEN AT THE BACK OF THE TRUCK. CONCRETE FOR THE PREPARATION OF TEST CYLINDERS SHALL BE TAKEN FROM THE "HOT SPOT" OF THE TRUCK. FULL MESHA SIZE AND END LAPS.
10. REINFORCING STEEL MARKED "CONCRETE" SHALL BE LAPPED PER THE "REINFORCING SPLICE SCHEDULE" AT SPLICES AND LAP JOINTS OR INTERSECTIONS WITH A STANDARD 90 DEGREE BEND ON CORNER BARS. LAP UP CORNERS AT CENTER OF SPAN, LAP BOTTOM CORNERS AT SUPPORTS, LAP VERTICALS AT TOP CORNERS, FULL MESHA SIZE AND END LAPS.

11. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ANY OTHER ADDITIONAL SLEEVES, ANCHORS, VENT OPENINGS, ETC., NOT SHOWN ON STRUCTURAL PLANS THAT MIGHT BE REQUIRED.
12. PLACE CONCRETE IN A MANNER SO AS TO PREVENT SEGREGATION OF THE MIX. DELAY FLOATING AND TROWELING OPERATIONS UNTIL CONCRETE HAS LOST SURFACE WATER SHEEN OR ALL FREE WATER. DO NOT SPRINKLE FINE CEMENT ON THE SLAB SURFACE. FINISHING OF SLAB SURFACES SHALL COMPLY WITH THE RECOMMENDATIONS OF ACI 302.1 AND 304,



14. PROVIDE 7 DAY CURING OF SLAB IMMEDIATELY AFTER FINISHING USING ONE OF THE FOLLOWING METHODS:
- A. CONTINUOUSLY WATERED BURLAP _____ 40
 - B. WATERPROOF MEMBRANES _____ 70
 - C. SPRAYED ON LIQUID MEMBRANE _____
15. PROTECT THE CONCRETE SURFACE BETWEEN FINISHING OPERATIONS ON HOT, DRY DAYS OR AT OTHER TIME THAT PLASTIC SHRINKAGE CRACKS COULD DEVELOP BY USING WET BURLAP, PLASTIC MEMBRANE OR FOGGING. PROTECT CONCRETE SLAB AT ALL TIMES FROM RAIN, HAIL OR OTHER INJURIOUS EFFECTS. _____
16. UNLESS SPECIFIED, CONCRETE MUST REACH THE FOLLOWING PERCENTAGES OF ITS 28-DAY COMPRESSIVE STRENGTH (F_c) BEFORE FORMS MAY BE REMOVED.
- WALLS, COLUMNS, & BEAM SIDES _____ 40
 - JOIST PANS & BEAM BOTTOMS (IF RESHORED) _____ 70
- SHORING FOR FLOOR SYSTEMS (IF NOT RESHORED) _____
17. RESHORE WHEN REQUIRED, TO EXTEND AT LEAST TWO FLOORS BELOW FLOOR SUPPORTING FALSEWORK (OR GROUND FLOOR). LAYOUT AND PROCEDURE TO BE SUBMITTED TO STRUCTURAL ENGINEER FOR APPROVAL. _____

18. AN INDEPENDENT CERTIFIED TESTING LABORATORY SHALL VERIFY AND PROVIDE REPORTS CERTIFYING THE FOLLOWING:

- A. CONCRETE PLANT BATCH TICKETS FOR EACH TRUCK VERIFY THAT THE CONCRETE MATCHES THE APPROVED DESIGN MIX.
- B. CONCRETE SLUMP IS IN ACCORDANCE WITH APPROVED DESIGN MIX.
- C. CONCRETE PLACEMENT OPERATIONS ARE IN ACCORDANCE WITH ACI SPECIFICATIONS.
- D. CONTROL JOINTS ARE INSTALLED WITHIN THE ACI TIME ALLOWANCE.
- E. PROPER CURING METHODS ARE BEING UTILIZED.

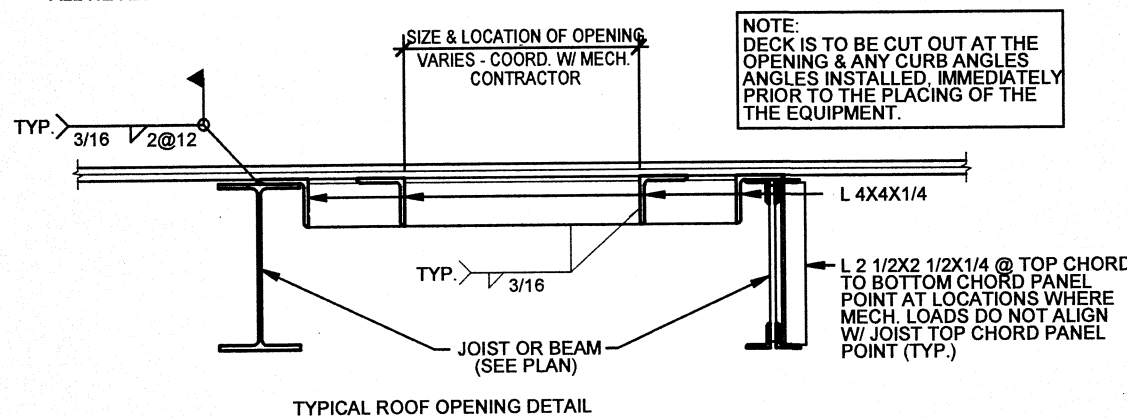
19. NO CONCRETE SHALL BE PLACED OUTSIDE OF THESE SPECIFICATIONS WITHOUT THE OWNER'S PRIOR APPROVAL. ANY ITEMS NOT IN COMPLIANCE WITH THE OUTLINED SPECIFICATION SHALL BE REPORTED TO THE OWNER AND STRUCTURAL ENGINEER WITHIN 24 HOURS

1. FOUNDATIONS SHALL BEAR ON SOIL SUITABLE FOR SUPPORTING 1500 P.S.F. NET ALLOWABLE BEARING.
2. EXCAVATION FOR FOOTINGS SHALL BE NEAR EXISTING STRUCTURES (S) AS REQUIRED FOR INSTALLATION. ALL REINFORCING STEEL, MARKED "CONTINUED" SHALL BE LAPPED PER THE "REINFORCING SPlice SCHEDULE" AT SPICES AND AROUND CORNERS OR INTERSECTIONS WITH A STANDARD 90 DEGREE BEND ON CORNER BARS. LAP WELDED WIRE MESH ONE FULL MESH AT SIDE AND END LAPS. END LAPS
3. LAP TOP BARS AT CENTER OF SPAN, LAP BOTTOM BARS AT SUPPORTS.
4. THERE SHALL BE NO PLUMBING LINES WITHIN OR UNDER ANY FOUNDATION ELEMENT.
5. PLACE A 10 MIL VAPOR RETARDER OR POLYETHYLENE UNDER ALL CONCRETE SLABS.

1. ALL SHOP DRAWINGS SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER. DRAWINGS TO HAVE CONTRACTORS STAMP AFFIXED PRIOR TO REVIEW.
2. ALL WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY CODE.

2. ALL WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY CODE.
3. STRUCTURAL SHAPES AND ASTM SPECIFICATIONS:
- | | |
|---------------------------------------|-----------------------------|
| A. WIDE FLANGE SHAPES | ASTM A992 (50 KSI) |
| B. ANCHOR BOLTS | ASTM F1554 (36 KSI) |
| C. CHANNELS | ASTM A36 (36 KSI) |
| D. PLATES | ASTM A36 (36 KSI) |
| E. BARS | ASTM A36 (36 KSI) |
| F. ANGLES | ASTM A36 (36 KSI) |
| G. SQUARE AND RECTANGULAR TUBES (HSS) | ASTM A500, GRADE B (46 KSI) |
| H. STEEL PIPE | ASTM A53, GRADE E (35 KSI) |
| I. ROUND TUBES (HSS) | ASTM 500, GRADE E (46 KSI) |
4. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE "STEEL ERECTION SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", AISC 13th EDITION.
5. ALL FIELD CONNECTIONS TO BE BOLTED WITH A325 BOLTS (WELDED WHERE SHOWN). ALL CONNECTIONS SHALL BE DESIGNED FOR ONE HALF OF THE TOTAL ALLOWABLE UNIFORM LOAD OF BEAMS UNLESS NOTED OTHERWISE ON DRAWINGS, RE: AISC PART 4. ALL CONNECTIONS MUST BE DESIGNED BY A REGISTERED ENGINEER AND, IF REQUESTED, CALCULATIONS MUST BE SUBMITTED FOR REVIEW. BOLTS TO BE LE-JULINE TYPE OR EQUAL.
6. BRACING CONNECTIONS SHALL DEVELOP FULL FORCES SHOWN ON DRAWINGS AT EACH END OF MEMBER.
7. EXPANSION JOINT CONNECTIONS, WHERE USED, SHALL PROVIDE FREE MOVEMENT. BOLTS SHALL HAVE NUTS FINGER TIGHTENED AND THREADS CRIMPED.
8. SPLICING OF STRUCTURAL STEEL MEMBERS IS PROHIBITED WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER AS TO LOCATION AND TYPE OF SPLICE TO BE MADE.
9. MC = MOMENT CONNECTION.
10. NO NON-SHRINK GROUTS FOR LEVELING OF BASE PLATES SHALL HAVE MIN. 5,000 P.S.I. COMPRESSIVE STRENGTH AT 28 DAYS. GROUT SHALL COMPLY WITH CORPS OF ENGINEERS SPECIFICATION CRD C-621.
11. ALL FIELD CONNECTIONS - WELDED OR BOLTED - TO BE INSPECTED BY AN INDEPENDENT TESTING LAB.
12. ALL STRUCTURAL STEEL, JOIST GIRDERS AND JOISTS SHALL BE FABRICATED IN ACCORDANCE WITH LATEST OSHA SAFETY STANDARDS FOR STEEL ERECTION. ALL DRAWING DOCUMENTS SHALL BE TYPICAL CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL OSHA REQUIREMENTS ARE MET.
13. ALL STRUCTURAL STEEL DESIGNED USING AISC ASD SPECIFICATION SHALL NOT INCLUDE THE 1/3 STRESS INCREASE ALLOWANCE FOR WIND AND SEISMIC DESIGN.
14. ALL STRUCTURAL STEEL WHICH IS EXPOSED TO THE ELEMENTS SHALL BE HOT DIPPED

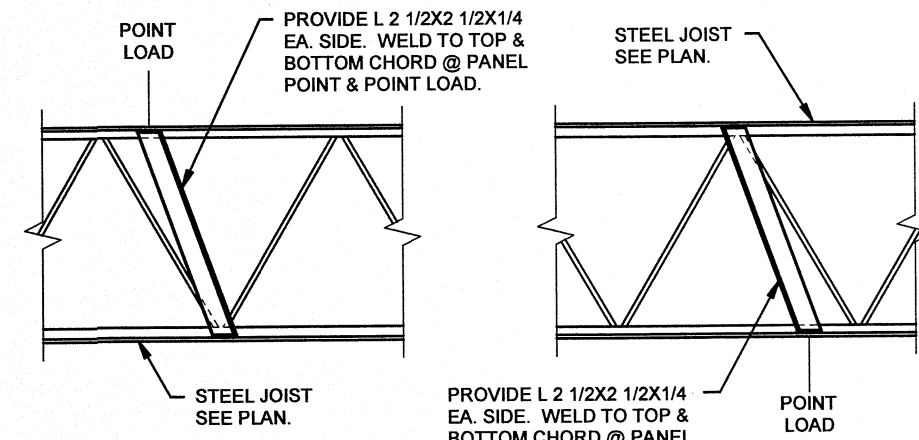
1. ROOF TO BE 2" POLYSTYRENE/GRAVEL BOARD INSULATION OVER GALVANIZED ROOF DECK. (SEE NOTE #2 FOR DECK SPECIFICATION)
2. ROOF DECK SPECIFICATION
METAL DECK SHALL BE TEMPERED COIL ROLLED STEEL. SHEET SHALL BE FORMED TO A 12" RIB PATTERN OR VULCRAFT TYPE 1502, OR EQUAL. THE STEEL SHALL CONFORM TO ASTM A563, GRADE E ZINC COATING CONFORMING TO ASTM A593. G60 COATING CLASS FOR GALVANIZED METAL ENDS LAPS AND SIDE LAPS ARE TO BE PER THE MANUFACTURER'S RECOMMENDATION.
3. PROVIDE METAL DECK SUPPORT AT ALL BUILDING CORNERS, SKEWED BUILDING LINES WHERE SUPPORT STRUCTURE BEARS PERPENDICULAR AND AROUND ALL FRAMED OPENINGS WITH THE EXCEPTED NOTE OTHER THAN 1027. PROVIDE 2" GA. STEEL METAL DECK SUPPORT PLATES IN RIDGES, VALLES OR WHERE DECK CHANGES DIRECTION. SPOT WELD IN PLACE AT 12" O.C. MAXIMUM. CONTRACTOR TO COORDINATE WITH STEEL DECK MANUFACTURER FOR THE METAL DECK.



4. REFERENCE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION ON OPENINGS, MECHANICAL AND PLUMBING EQUIPMENT AND ROOF SLOPES.
5. WELD DECK TO STEEL SUPPORTS USING 5/8" DIA. PUDDLE WELDS IN A 38/1 FASTENER PATTERN W/ (3) #10 TEK SCREWS PER SIDE LAP PER SPAN.

Structural Foundation Schedule				
Type	Width	Length	Foundation Thickness	Comments
11' x 11'	11' - 0"	11' - 0"	1' - 0"	#6@12" E/W
12' x 12'	12' - 0"	12' - 0"	1' - 0"	#6@12" E/W

1. OPEN WEB STEEL JOISTS AND JOIST GIRDERS SHALL BE DESIGNED AND MANUFACTURED TO TO THE MINIMUM STANDARDS ESTABLISHED BY THE STEEL JOIST INSTITUTE. FOR JOISTS AND JOIST GIRDERS DESIGNED USING AISC ASD THE 15 MINIMUM REQUIREMENTS FOR WIND RESISTANCE SHALL NOT BE APPLIED. ALL JOIST TOP CHORDS OF JOISTS SHALL BE ANGLES OR TEES. BRIDGING SHALL BE DESIGNED (UNLESS NOT OTHERWISE IN ACCORDANCE WITH PARAGRAPH 6.4 OF THE STEEL JOIST INSTITUTE SPECIFICATIONS. SHOP PAINT TO BE PER ARCH. SPECIFICATIONS.
2. JOISTS GIRDERS SHALL BE DESIGNED, MANUFACTURED, AND ERECTED PER THE STEEL JOIST INSTITUTE SPECIFICATIONS.
3. PROVIDE PLAT BEARING FOR ALL JOISTS. THE ENDS OF ALL JOISTS SHALL HAVE A MINIMUM BEARING OF 2"12". EXCEPT FOR L & D JOISTS WHICH SHALL HAVE A MINIMUM BEARING OF 4". WHERE NECESSARY, JOISTS SHALL BE STABILIZED BY PLAT BEARING OVER THE ENTIRE JOIST SUPPORTS. IF THE MINIMUM BEARING CANNOT BE OBTAINED, SPECIAL ENDS MUST BE SHOWN, NOTED AND DESIGNED BY MANUFACTURER AND SUBMITTED FOR APPROVAL.
4. SJ - STRUT JOIST - BOTTOM CHORD TO BE ANGLES EQUAL IN SIZE TO TOP CHORD, DO NOT WEAVE BOTTOM CHORD TO STABILIZER PLATE.
5. JOISTS SHALL BE CONNECTED WITH TWO 1/8" FILLET WELDS 1" LONG OR EQUAL.
6. JOISTS SHALL BE FIELD BOLTED AT THE COLUMN LINES TO PROVIDE LATERAL STABILITY DURING CONSTRUCTION. USE TWO 1/2" DIAMETER BOLTS.
7. UNLESS PER-ASSEMBLED INTO PANELS, ALL JOISTS WITH SPANS OF 40'-0" OR MORE, SHALL HAVE EACH END CONNECTED TO THE SUPPORTING STEEL STRUCTURE W/1/2" DIA. ERECTION BOLTS.
8. JOISTS SHALL BE DESIGNED FOR APPLICABLE WIND LOADS, INCLUDING UPLIFT. NET UPLIFT SHALL BE CALCULATED BY SUBTRACTING 7 PSF DEAD LOAD FROM THE DESIGN WIND PRESSURE. UPLIFT SHALL BE DESIGNED FOR 15 PSF NET UPLIFT. UPLIFT SHALL BE DESIGNED FOR 15 PSF NET UPLIFT.



PL 3/4 X 12 X 1'-0" W/
(4)-3/4"Ø X 1'-1" ANCHOR BOLTS

HEX HEAD

3/4" DIA. ANCHOR BOLT
ASTM F1554-36

[illegible]

SPECIAL INSPECTION	FREQ.	REFERENCED STANDARD
STEEL CONNECTION:		
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS, AND WASHERS, HIGH-STRENGTH BOLTING: a. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS	PERIODIC	APPLICABLE ASTM A360, SECTION A3.3
b. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED	PERIODIC	ASTM A360, SECTION A3.3
2. INSPECTION OF BEARING-TYPE CONNECTIONS	PERIODIC	ASTM A360, SECTION M2.5
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL: a. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS	---	ASTM A 99 OR ASTM A-568
b. MANUFACTURER'S CERTIFIED MILL TEST REPORTS REQUIRED	---	---
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS: a. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS	---	ASTM A360, SECTION A3.5
b. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED	---	---
5. INSPECTION OF WELDING: a. STRUCTURAL STEEL i. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS	CONTINUOUS	AWS D1.1
ii. MULTIPASS FILLET WELDS	CONTINUOUS	---
iii. SINGLE-PASS FILLET WELDS $\geq \frac{1}{8}"$ (7.6mm)	CONTINUOUS	---
iv. SINGLE-PASS FILLET WELDS $< \frac{1}{8}"$ (7.6mm)	PERIODIC	---
b. FLOOR AND ROOF DECK WELDS	PERIODIC	AWS D1.3
INSPECTION OF FABRICATOR(S):	PERIODIC	---
1. APPLICABLE ELEMENT (FABRICATOR CERTIFICATION REQUIREMENTS): a. STRUCTURAL STEEL (ASME CERTIFIED FOR CONVENTIONAL STEEL BUILDING) b. STEEL JOISTS/GIRDER(S) (SUB MEMBER) c. STEEL ROOF DECK (SD MEMBER)	---	---
2. WHEN SPECIAL INSPECTIONS ARE REQUIRED BY BUILDING OFFICIAL:		
IF FABRICATION AND IMPLEMENTATION PROCEDURES, THE SPECIAL INSPECTION, QUALITY CONTROL, VERIFICATION OF THE FABRICATOR MATERIALS, AND THE APPROVED FABRICATOR SHALL SUBMIT THE WORKMANSHIP AND PROCEDURES THAT PROVIDE A BASIS FOR INSPECTION, CONTROL, OF THE WORKMANSHIP, AND VERIFICATION OF THE FABRICATOR MATERIALS TO COMPLY TO APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS, THE SPECIAL INSPECTOR SHALL REVIEW THE PROCEDURES FOR COMPLETENESS AND ADHERENCE RELATIVE TO THE CODE REQUIREMENTS FOR THE FABRICATORS SCOPE OF WORK.		
3. WHEN SPECIAL INSPECTIONS ARE NOT REQUIRED BY THE BUILDING OFFICIAL:		
UPON COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL, STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.		

1. THE FOLLOWING SPECIFICATIONS ARE AN OUTLINE OF MINIMUM MATERIAL REQUIREMENTS AND THEIR APPLICATION. MANUFACTURER SPECIFICATION AND LOCAL CODE REQUIREMENTS WHEN IN EXCESS OF MINIMUM SPECIFICATION, SHALL CONTROL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW AND SUBMIT ALL SHOP DRAWINGS AND REPORT ALL DOCUMENT DISCREPANCIES TO THE STRUCTURAL ENGINEER PRIOR TO FABRICATION OR ERECTION.

2. AT CONSTRUCTION ISSUE, THESE DRAWINGS REPRESENT STRUCTURAL COMPONENTS IN THE FINAL AND FINISHED STATE. CONSTRUCTION PROCEDURES, BRACING, METHODS, SAFETY PRECAUTIONS OR MECHANICAL REQUIREMENTS USED TO ERECT THEM ARE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR OR SUBCONTRACTOR DURING THE WORK.

SEISMIC DESIGN DATA TABLE (IBC)

SEISMIC IMPORTANCE FACTOR:	_____	1.00
RISK CATEGORY:	_____	II
THE SHORT PERIOD (0.2 SEC) SPECTRAL RESPONSE ACCELERATION (S ₀):	_____	0.135g
THE ONE SECOND SPECTRAL RESPONSE ACCELERATION (S ₁):	_____	0.082g
SITE CLASSIFICATION:	_____	D
DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS:	_____	S₀ = 0.147
	_____	S₁ = 0.131
	_____	B
SEISMIC DESIGN CATEGORY	_____	
BASIC SEISMIC-FORCE RESISTING SYSTEM:	_____	LIGHT FRAME (WOOD) WALLS
	_____	SEISMIC RESISTANCE (R=6.5)

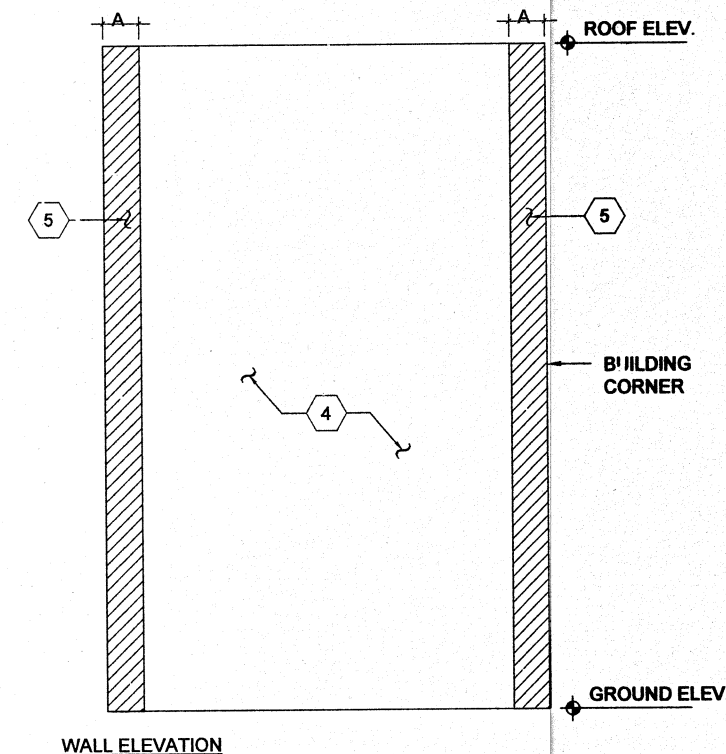
DESIGN BASE SHEAR	_____	3.17K
SEISMIC RESPONSE COEFFICIENT (C _s):	_____	0.0226
RESPONSE MODIFICATION FACTOR (R):	_____	6.5
ANALYSIS PROCEDURE (ELFP OR PLFP)	_____	ELFP

The diagram illustrates a flat roof layout with wind pressure zones. The roof is divided into a central rectangular area (Zone 1) and four corner areas (Zone 2). The perimeter of the roof is labeled with 'A' and 'A (TYP.)'. A wind direction arrow is shown pointing towards the roof. Below the diagram are two tables: 'ZONE LENGTH' and 'DESIGN WIND PRESSURE FLAT ROOF'.

ZONE LENGTH	
A	7'-0"

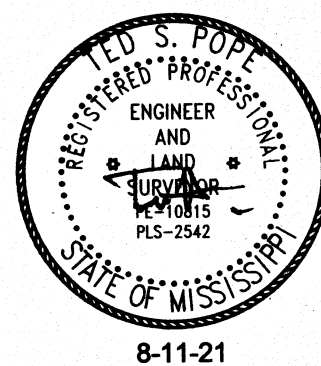
TRIB. AREA FT ²	DESIGN WIND PRESSURE FLAT ROOF		
	ZONE 1	ZONE 2	ZONE 3
10	-26 PSF +11.0 PSF	-44.0 PSF +11.0 PSF	-60.0 PSF +10.0 PSF
50	-25.0 PSF +10.0 PSF	-33.0 PSF +10.0 PSF	-40.0 PSF +10.0PSF
100	-24.0 PSF +10.0 PSF	-29.0 PSF +10.0 PSF	-28.0 PSF +10.0 PSF

FLAT ROOF
 FLAT ROOF HEIGHT LESS THAN OR EQUAL TO 40.0'



WALL ELEVATION			
ZONE	WIND PRESSURE		
	10 FT² AREA	25 FT² AREA	50 FT² AREA
	-26.0 PSF +24.0 PSF	-25.0 PSF +23.0 PSF	-24.0 PSF +21.0 PSF
	-32.0 PSF +24.0 PSF	-29.0 PSF +22.0 PSF	-27.0 PSF +21.0 PSF

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601-656-5411**



01	CD Set	08/11/21
2	Revision 1	08/23/21

Ellis Theater Renovation

General Specifications

Project number	17583
Date	8-11-21
Drawn by	TSP
Checked by	Checker

S100

Scale

GENERAL

- | NAIL TYPE | DIA. (in.) | LENGTH (in.) |
|-----------|------------|--------------|
| 6d | 0.113 | 2 |
| 8d | 0.131 | 2.5 |
| 10d | 0.148 | 3 |

- ## PRESERVATIVE-TREATED WOOD

- SAWN LUMBER

- ### GLUE-LAMINATED BEAMS (GLU-LAM/GLB)

1. ALL STRUCTURAL GLUE-LAMINATED BEAMS SHALL MEET THE COMBINATION REQUIREMENTS FROM THE REFERENCED AITC-117 OR NDS. BEAMS FOR SINGLE SPAN CONDITIONS SHALL BE 24F-V4 SP WITH THE FOLLOWING MINIMUM PROPERTIES: Fb=2400 PSI, Fv=210 PSI, Fc (perp)=650 PSI, E=1,700,000 PSI. ALL BEAMS SHALL BE FABRICATED USING WATERPROOF GLUE. FABRICATION AND HANDLING PER REFERENCED AITC AND SPIB STANDARDS.

PLYWOOD

1. ALL PLYWOOD SHALL BE APA RATED STURDI-FLOOR AND SHALL BEAR THE STAMP OF AN APPROVED TESTING AGENCY. LAY UP PLYWOOD WITH FACE GRAIN PERPENDICULAR TO SUPPORTS. STAGGER JOINTS. ALL NAILING IS TO BE COMMON NAILS. WHERE SCREWS ARE INDICATED FOR WOOD TO WOOD ATTACHMENTS, USE WOOD SCREWS. ALL PLYWOOD SHALL BE OF THE FOLLOWING NOMINAL THICKNESS. SPAN/INDEX RATIO AND ATTACHED AS FOLLOWS, UNLESS NOTED OTHERWISE:

USE	THICKNESS	SPAN/INDEX RATIO	EDGE ATTACHMENT	INTERMEDIATE ATTACHMENT
FLOOR	5/8"	20 IN	10d@6" OC	10d@12" OC

SHOP DRAWINGS

1. SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL ITEMS IN ADDITION TO ITEMS REQUIRED BY ARCHITECTURAL SPECIFICATIONS. CONTRACTOR SHALL PROVIDE A MINIMUM OF 2 HARD COPY SUBMITTAL SETS OF EACH ITEM TO THE ENGINEER OF RECORD FOR REVIEW, UNLESS NOTED OTHERWISE. ELECTRONIC SUBMITTALS ARE ALSO ACCEPTABLE.
2. THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTAL. ITEMS NOT IN ACCORDANCE WITH CONTRACT DOCUMENTS SHALL BE FLAGGED UPON CONTRACTOR'S REVIEW.
3. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS AND FIELD CONDITIONS.
4. MANUFACTURER OR FABRICATOR SHALL CLOUDIFY ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM CONTRACT DOCUMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CHANGES, APPROVALS, AND THE COORDINATION OF THE WORK WITH ALL RELATED TRADES AND SUPPLIERS. ANY OF THE FOREMENTIONED WHICH ARE NOT CLOUDED OR FLAGGED BY SUBMITTING PARTIES, SHALL NOT BE CONSIDERED APPROVED AFTER ENGINEER'S REVIEW, UNLESS NOTED ACCORDINGLY.
5. THE ENGINEER HAS THE RIGHT TO APPROVE OR DISAPPROVE ANY CHANGES TO CONTRACT DOCUMENTS AT ANY TIME BEFORE OR AFTER SHOP DRAWING REVIEW.
6. THE SHOP DRAWINGS DO NOT REPLACE THE CONTRACT DOCUMENTS. ITEMS OMITTED OR SHOWN INCORRECTLY AND ARE NOT FLAGGED BY THE STRUCTURAL ENGINEER OR ARCHITECT SHALL NOT BE CONSIDERED CHANGES TO CONTRACT DOCUMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ITEMS ARE CONSTRUCTED TO CONTRACT DOCUMENTS.
7. THE ADEQUACY OF ENGINEERING DESIGNS AND LAYOUT PERFORMED BY OTHERS RESTS WITH THE DESIGNING OR SUBMITTING AUTHORITY.
8. REVIEWING IS INTENDED ONLY AS AN AID TO THE CONTRACTOR IN OBTAINING CORRECT SHOP DRAWINGS. RESPONSIBILITY FOR CORRECTNESS SHALL REST WITH THE CONTRACTOR.

ANCHORAGE

1. ANCHOR RODS INCLUDE HOOKED, HEADED, AND THREADED AND NUTTED ANCHORS. THE TERMS ANCHOR BOLT AND ANCHOR ROD ARE USED SYNONYMOSLY THROUGHOUT THESE DOCUMENTS. ALL ANCHOR ROD MATERIAL SHALL BE PER ASTM F1554 GRADE 36 UNO. A307 ANCHOR RODS MAY BE SUBSTITUTED FOR ASTM F1554 GRADE 36 AT CONTRACTOR'S OPTION. ALL ANCHOR RODS SHALL BE SECURED IN PLACE PRIOR TO CONCRETE PLACEMENT. ALL ANCHOR RODS SHALL BE INSTALLED WITH STEEL WASHERS AT OVERSIZED ROUND HOLES USING SNUG TIGHT INSTALLATION, UNLESS NOTED OTHERWISE.
2. THE ANCHORING MECHANISM FOR NUTTED ANCHOR RODS SHALL CONSIST OF DOUBLE NUTS WITH A WASHER BETWEEN. THE NUTS AND WASHER ARE TO BE EMBEDDED INTO THE CONCRETE PER THE DETAILS AND PLANS. THE WASHER SHALL BE 1/4"x1/4"x4" UNO. THE CONTRACTOR SHALL PREVENT THE NUTS FROM SPINNING OFF DURING THE VIBRATING OF THE CONCRETE. THIS COULD BE ACCOMPLISHED BY TIGHTENING THE NUTS AGAINST EACH OTHER THEREBY LOCKING THEM IN PLACE OR BE TACK WELDING EACH NUT TO THE ANCHOR ROD.
3. WHERE THE ANCHORS ARE TO BE GALVANIZED, THE ANCHOR ROD AND THE NUTS SHALL BE GALVANIZED WITH THE SAME PROCESS TO ENSURE THE THREADS MATCH.
4. AT CONTRACTOR'S OPTION HEADED ANCHORS PER ABOVE MAY BE SUBSTITUTED FOR CONVENTIONAL ANCHORS AND MACHINE BOLTS (REVERSE SUBSTITUTION NOT ALLOWED).

POST-INSTALLED ANCHORS

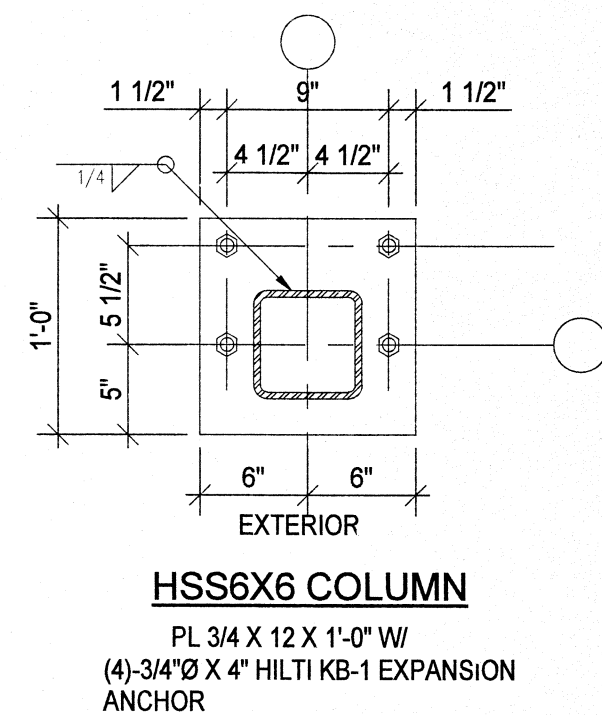
1. ALL POST-INSTALLED ANCHORS SHALL UTILIZE THE EXACT ANCHORAGE SYSTEM SPECIFIED IN THE STRUCTURAL DETAILS. WHERE ANCHORAGE PER GENERAL STRUCTURAL NOTES IS SPECIFIED, SEE BELOW. ANCHORAGE PRODUCTS MAY NOT BE SWAPPED BETWEEN MANUFACTURERS WITHOUT APPROVAL OF THE ENGINEER OF RECORD. ALL REQUESTS FOR EQUIVALENT ANCHORAGE PRODUCTS MUST BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
2. UNLESS NOTED OTHERWISE POST-INSTALLED ANCHORS SHALL NOT BE INSTALLED UNTIL CONCRETE OR MASONRY MATERIAL HAVE REACHED DESIGN STRENGTH AND HAVE BEEN FULLY CURED FOR A MINIMUM OF 21 DAYS.
3. MANUFACTURER'S INSTALLATION TRAINING AND CERTIFICATE ARE REQUIRED FOR ALL INSTALLERS OF POST-INSTALLED ANCHORS. ALL ANCHORS SHALL BE INSTALLED WITH STEEL WASHERS AT SHORT SPACED HOLES IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS. ALL ANCHORS SHALL BE TIGHTENED/TORQUED AS REQUIRED PER MANUFACTURER'S INSTRUCTIONS AND EVALUATION REPORTS.

POST-INSTALLED ANCHORS IN CONCRETE:

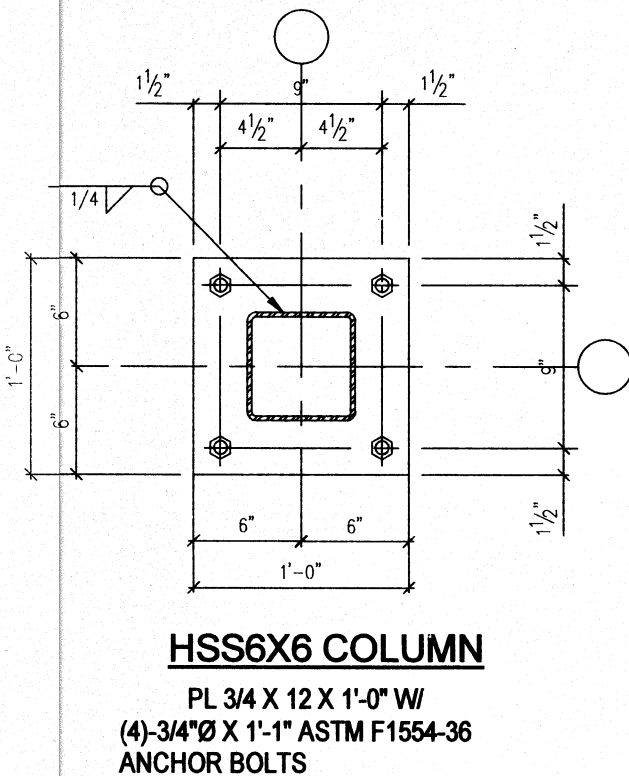
1. ALL EXPANSION TYPE ANCHORAGE FOR CONCRETE INSTALLATION ONLY SHALL BE PER HILTI 'KWIK BOLT-TZ' EXPANSION ANCHOR PER ICC ESR-1017, SIMPSON TITEN HD PER ICC ESR 2713, OR APPROVED ICC EQUIVALENT.
2. ALL EPOXY ADHESIVE TYPE ANCHORAGE FOR CONCRETE SHALL BE PER HILTI 'HIT RE 500 V3' ADHESIVE ANCHORS PER ICC ESR-3814 OR APPROVED ICC EQUIVALENT. ALL SCREW TYPE ANCHORAGE FOR CONCRETE INSTALLATION ONLY SHALL BE PER HILTI 'KH-EZ' SCREW ANCHOR PER ICC ESR-3027 OR APPROVED ICC EQUIVALENT.

POST-INSTALLED ANCHORS IN MASONRY:

1. ALL EXPANSION TYPE ANCHORAGE FOR CONCRETE INSTALLATION ONLY SHALL BE PER HILTI KB-1 EXPANSION ANCHOR PER ICC ESR-1385 OR APPROVED ICC EQUIVALENT. ALL EPOXY ADHESIVE TYPE ANCHORAGE FOR CONCRETE SHALL BE PER HILTI 'HIT-HY 270' ADHESIVE ANCHORS PER ICC ESR-4143 OR APPROVED ICC EQUIVALENT. ALL SCREW TYPE ANCHORAGE FOR CONCRETE INSTALLATION ONLY SHALL BE PER HILTI 'KH-EZ' SCREW ANCHOR PER ICC ESR-3056 OR APPROVED ICC EQUIVALENT.



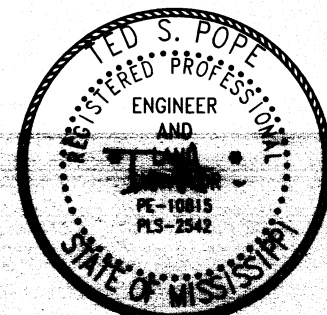
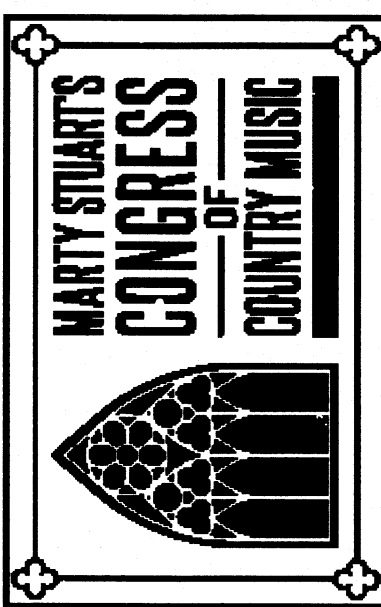
BP-2



BP-3

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8-23-21

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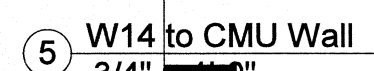
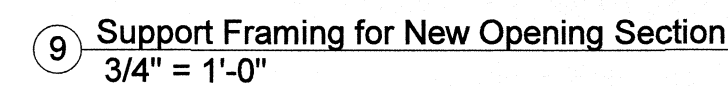
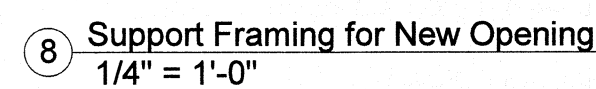
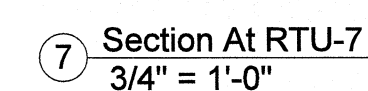
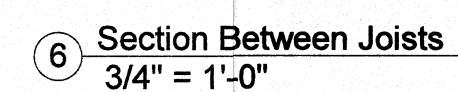
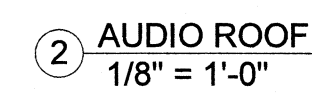
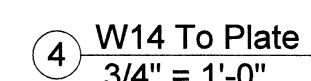
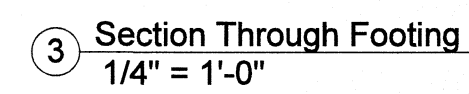
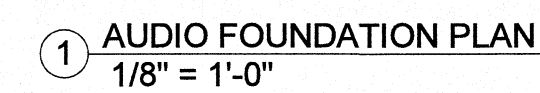
MSCCM-
Ellis Theater
Renovation

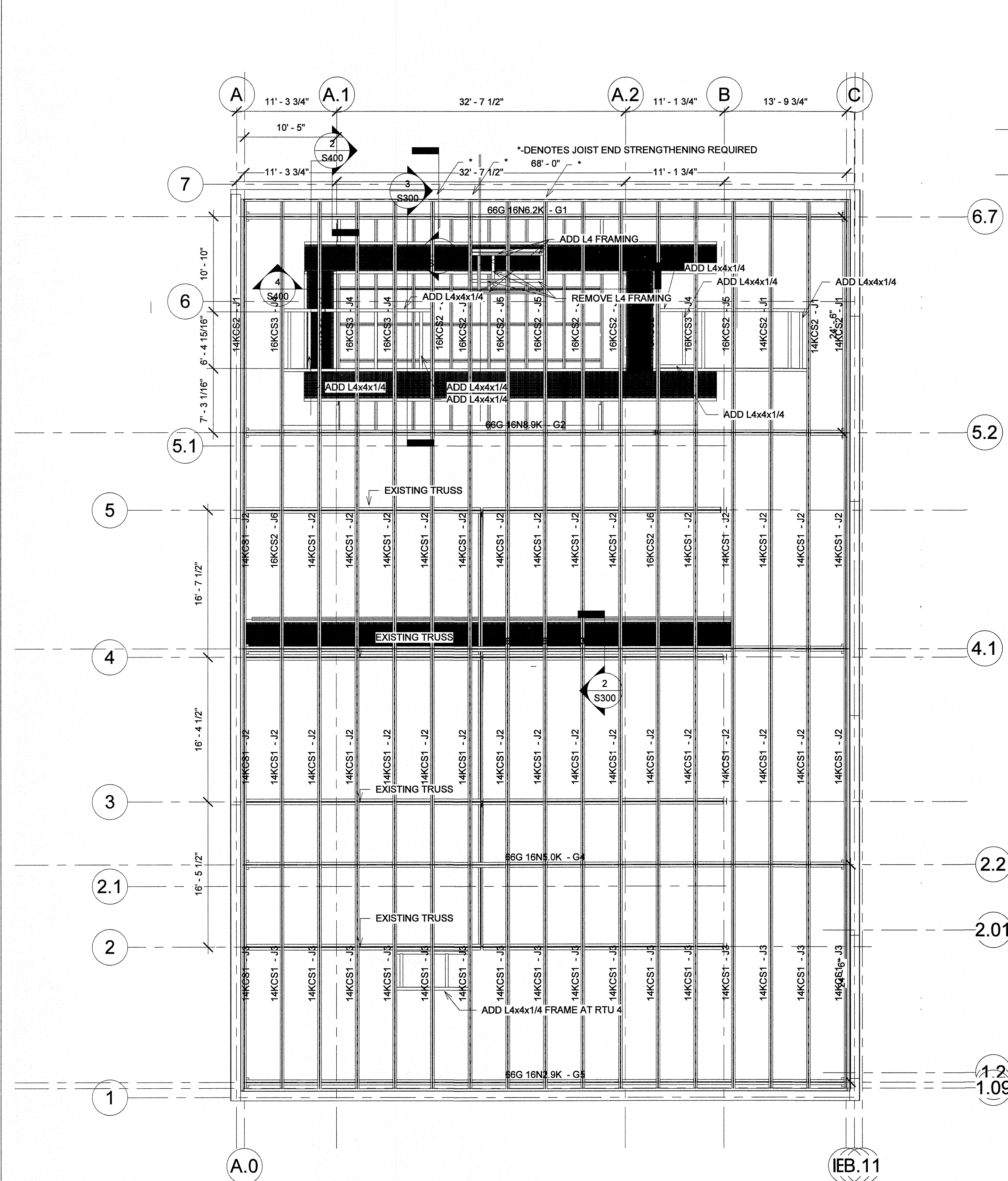
General
Specifications
Page 2

Project number	17583
Date	8-11-21
Drawn by	Author
Checked by	Checker

S101

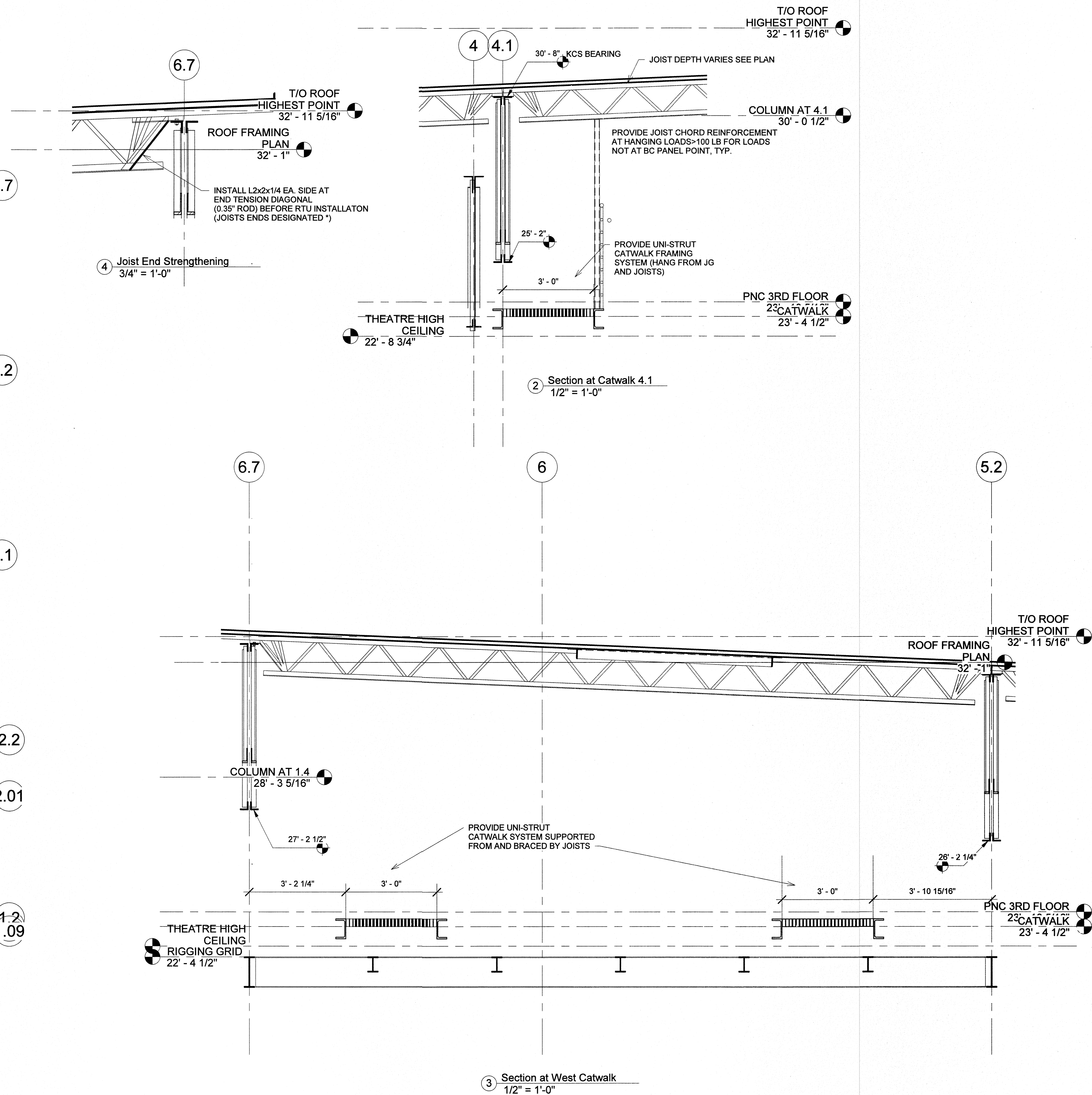
Scale





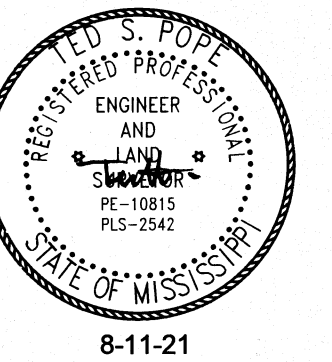
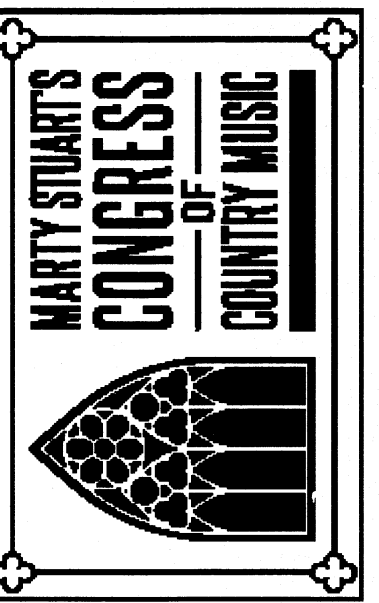
1 ROOF FRAMING PLAN
1/8" = 1'-0"

NOTES: 1. JOIST, JOIST GIRDERS EXISTING TRUSSES AND COLUMNS ARE EXISTING, TO REMAIN
2. REMOVE EXISTING ROOFING AND DECK AND ADD L4x4x1/4 FRAMING AS REQ'D FOR CURB SUPPORT FOR HVAC



3 Section at West Catwalk
1/2" = 1'-0"

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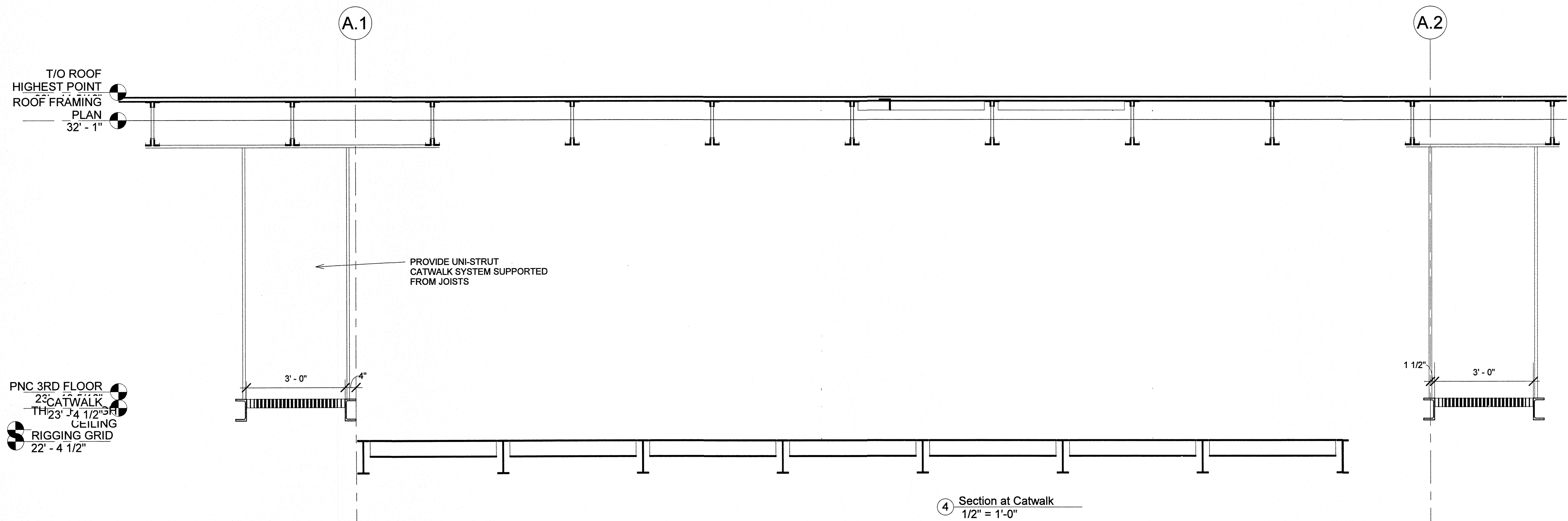
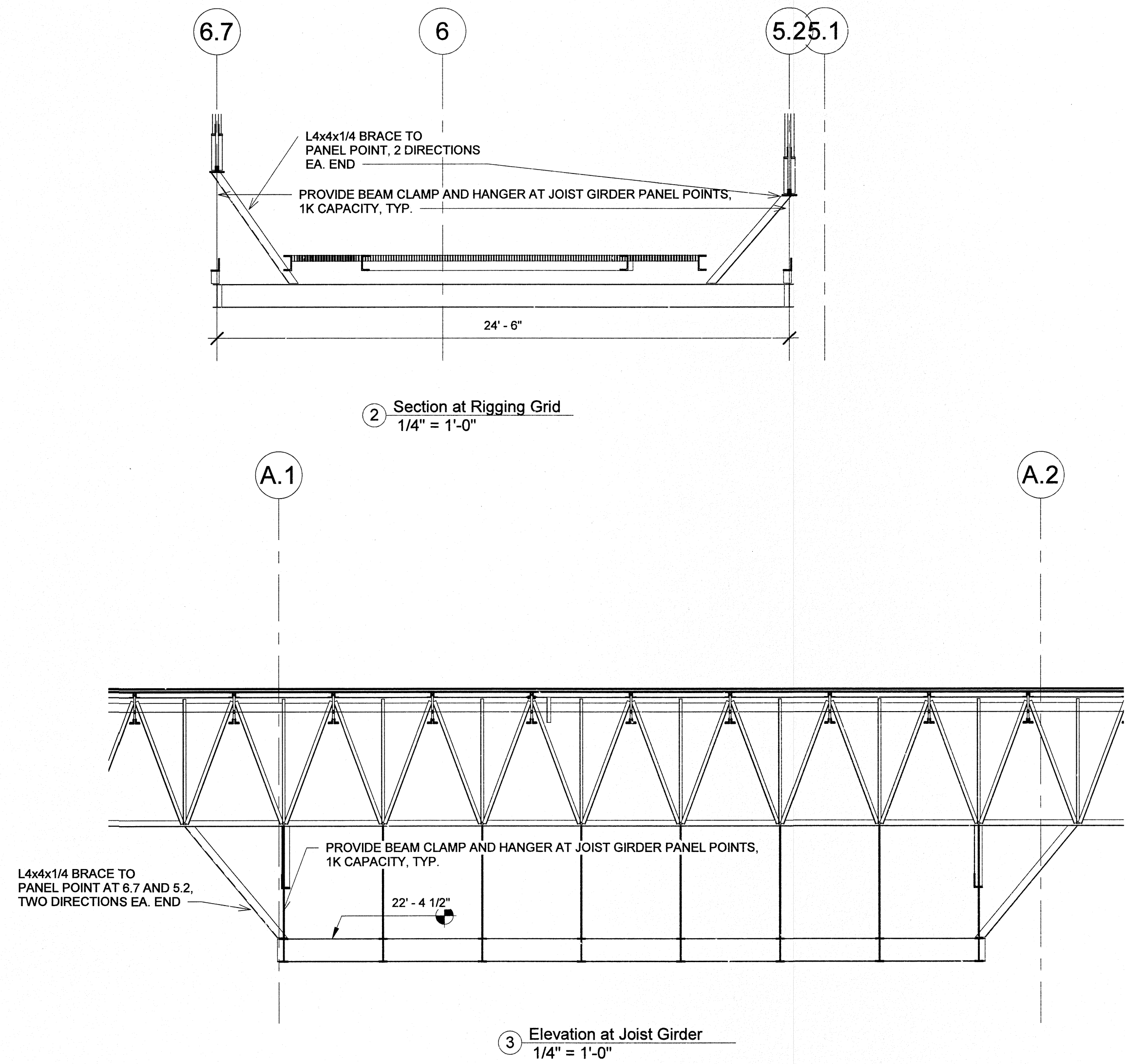
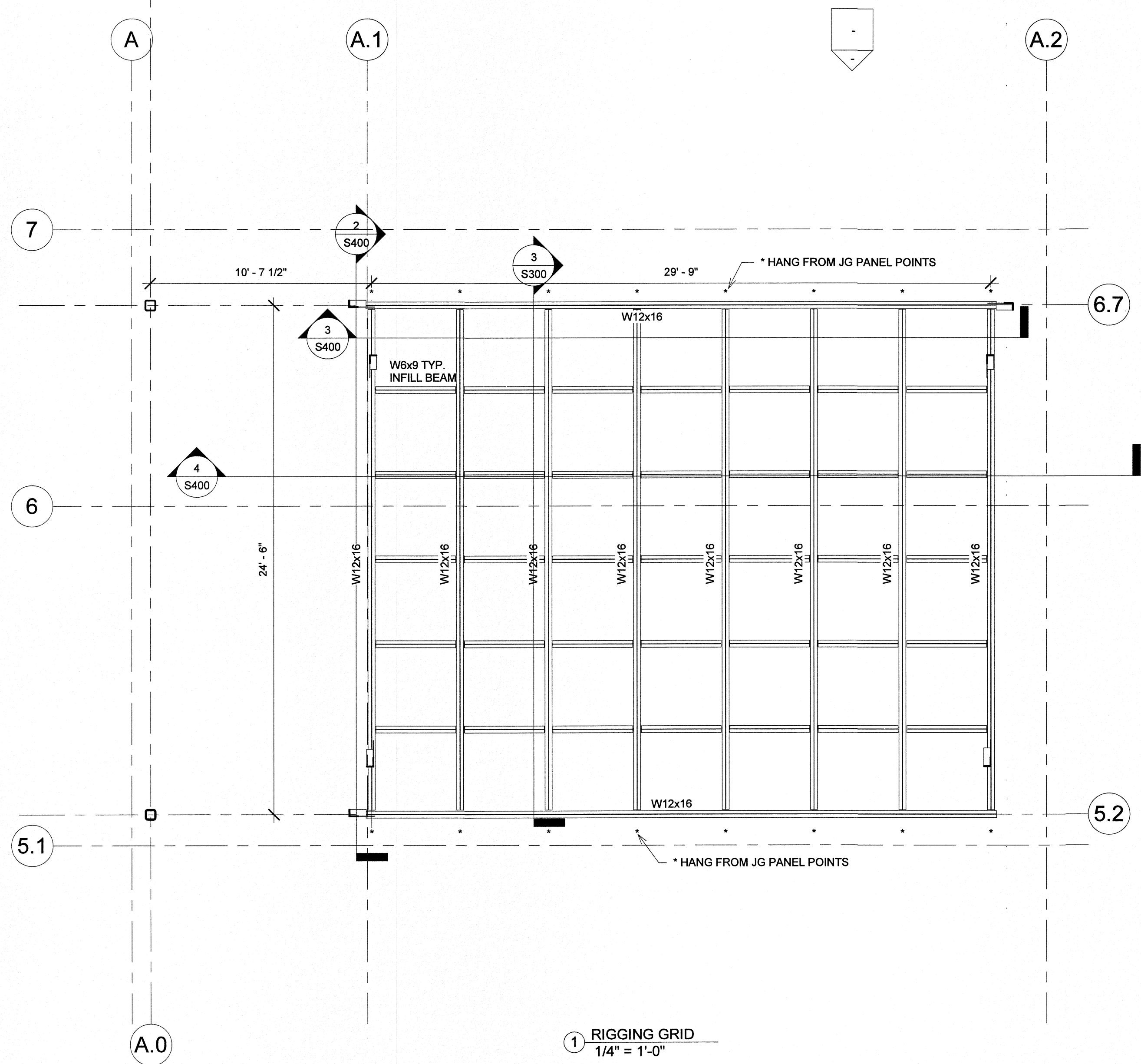
No.	Description	Date
01	CD Set	08/11/21
2	Revision 1	08/23/21

MSCCM-
Ellis Theater
Renovation
Roof Framing Plan

Project number 17583
Date 8-11-21
Drawn by TSP
Checked by Checker

S300

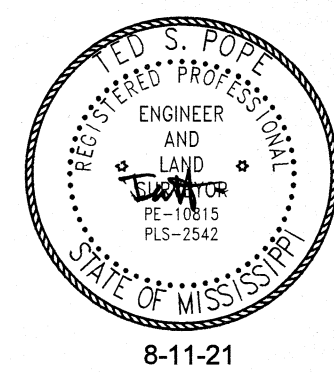
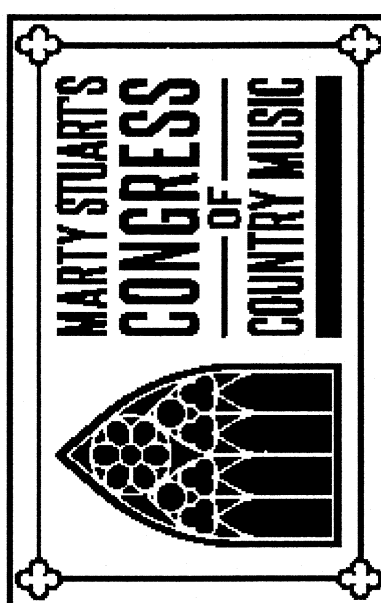
Scale As indicated



T/O ROOF
HIGHEST POINT
ROOF FRAMING
PLAN
32' - 1"

PNC 3RD FLOOR
25' CATWALK
TH 23' 3/4 1/2" BR
CEILING
RIGGING GRID
22' - 4 1/2"

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No.	Description	Date
01	CD Set	08/11/21
2	Revision 1	08/23/21

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Ellis Theater
Renovation
Rigging Plan

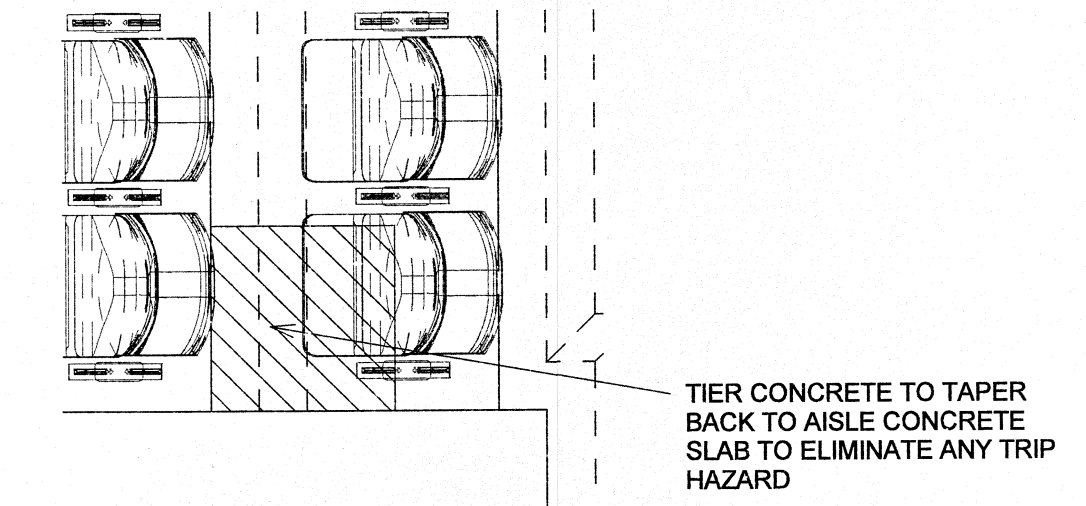
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Date	8-11-21
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S400

Scale As indicated

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2 ELLIS THEATER SEAT LAYOUT - Callout 1
1/2" = 1'-0"



A New Construction Project:

MSCM- Ellis Theater Renovations

08/11/21
08/23/21

\$500

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Do not scale drawings - consult Architect.

① ELLIS THEATER SEAT LAYOUT
1/4" = 1'-0"

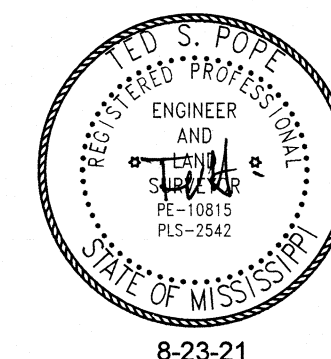
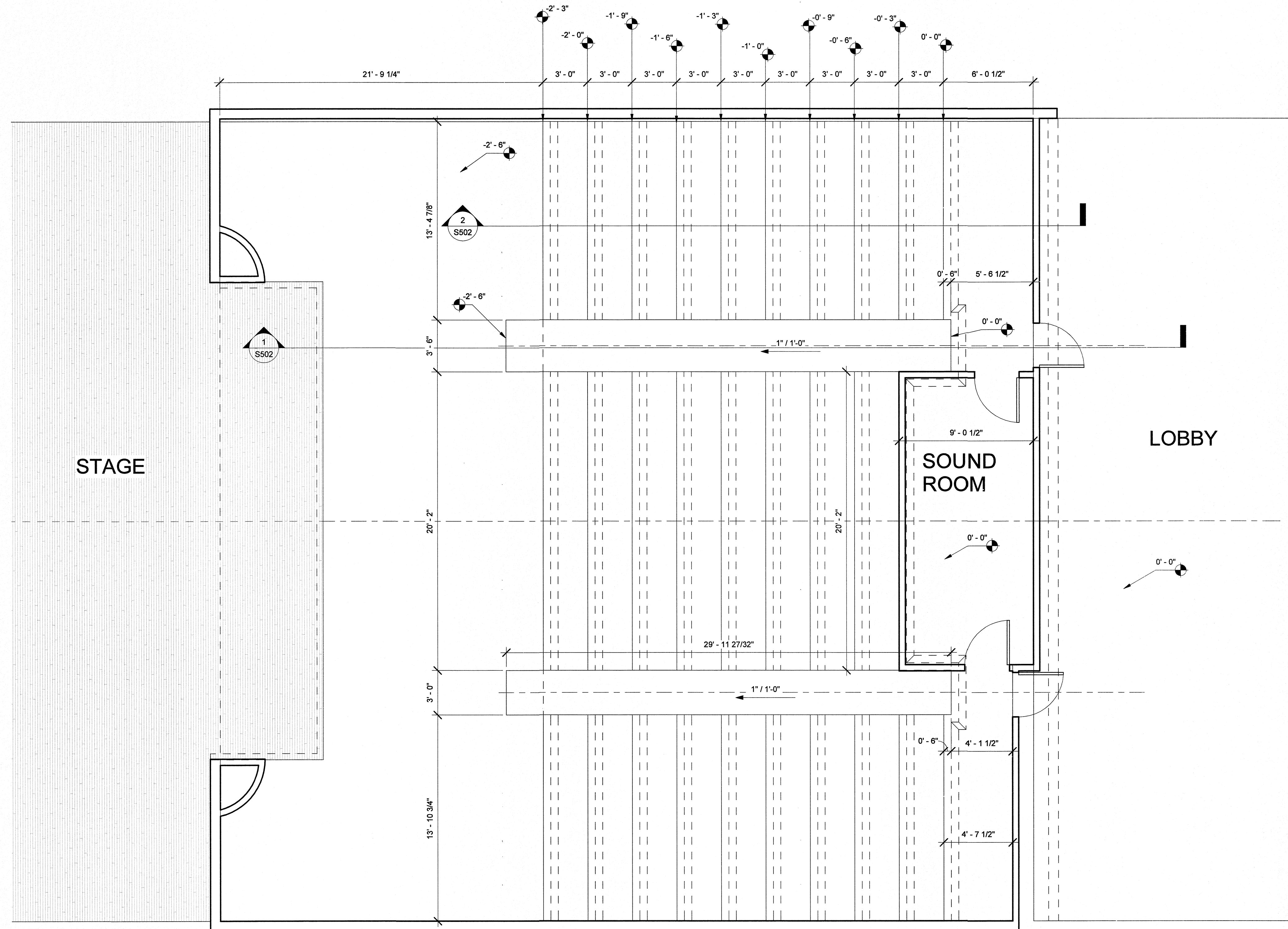
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601-656-5411

Dryden

2520 White Avenue
Nashville, TN 37204

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A New Construction Project:

MSCCM- Ellis Theater Renovations

Project Site Address:
311 Byrd Ave.
Philadelphia, MS
39350

DAAD Project Number:
17583

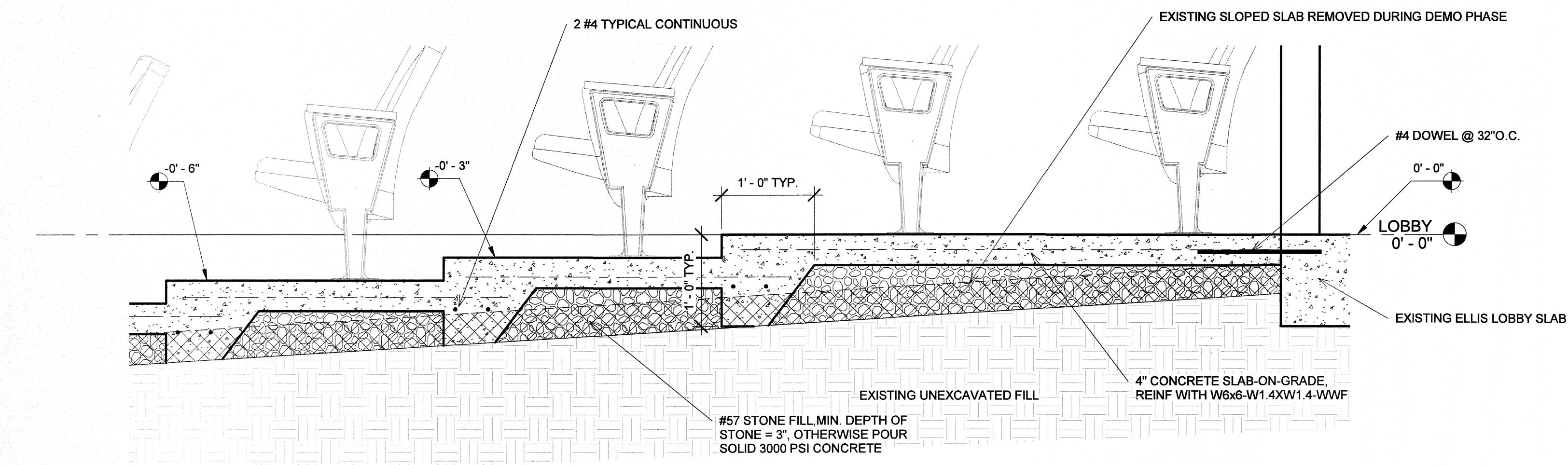
No: SET:
01 CDSET
2 Revision 1

DATE:
08/11/21
08/23/21

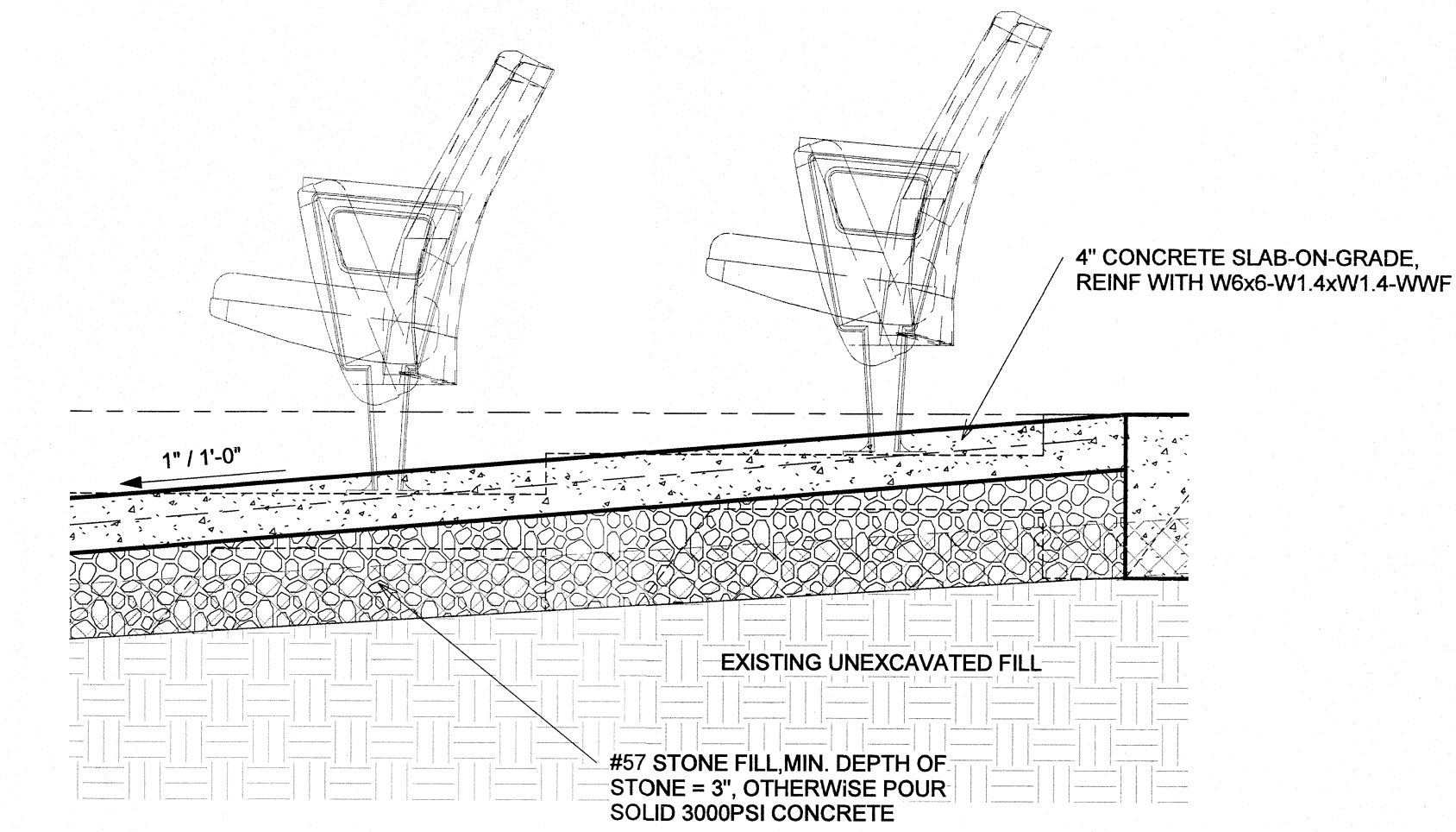
Drawing:

TIER LAYOUT

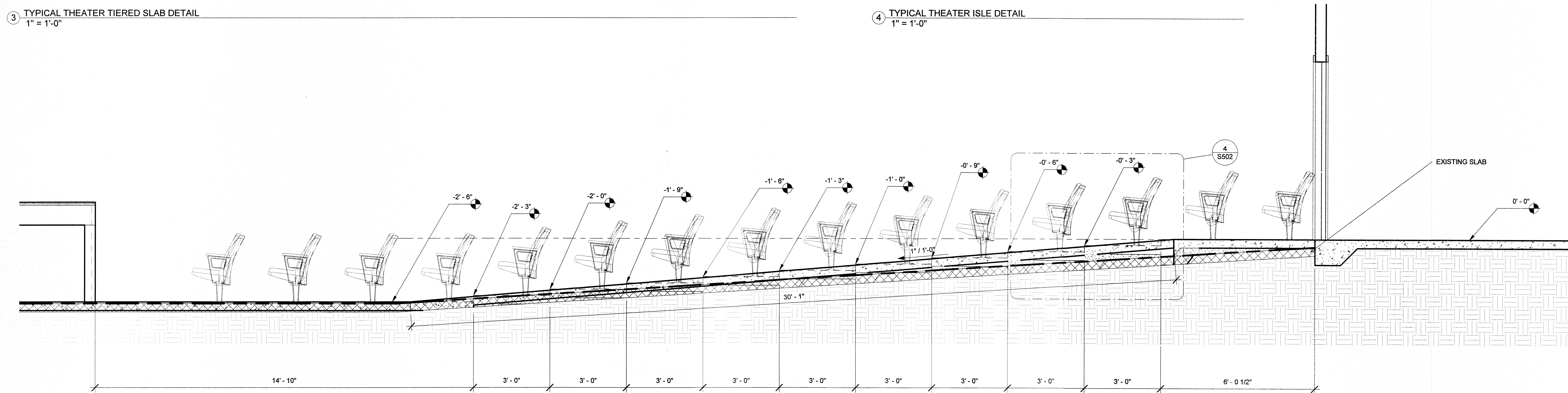
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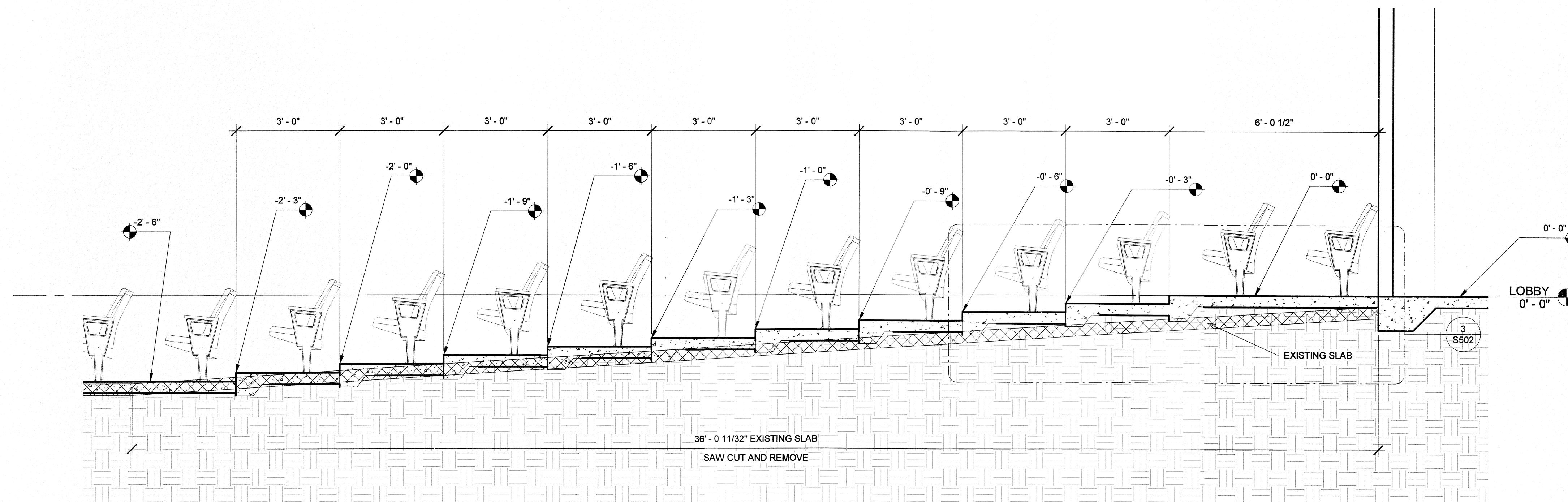
3 TYPICAL THEATER TIERED SLAB DETAIL
1" = 1'-0"



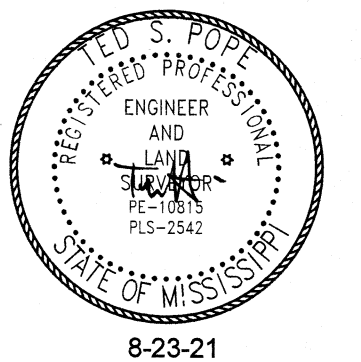
4 TYPICAL THEATER ISLE DETAIL
1" = 1'-0"



1 Section RAMP
1/2" = 1'-0"



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



A New Construction Project:

MSCCM- Ellis Theater Renovations

Project Site Address:
311 Byrd Ave.
Philadelphia, MS
39350

DAAD Project Number:
17583

No: SET:
01 CDSET
2 Revision 1

DATE:
08/11/21
08/23/21

Drawing:

SECTIONS

S502

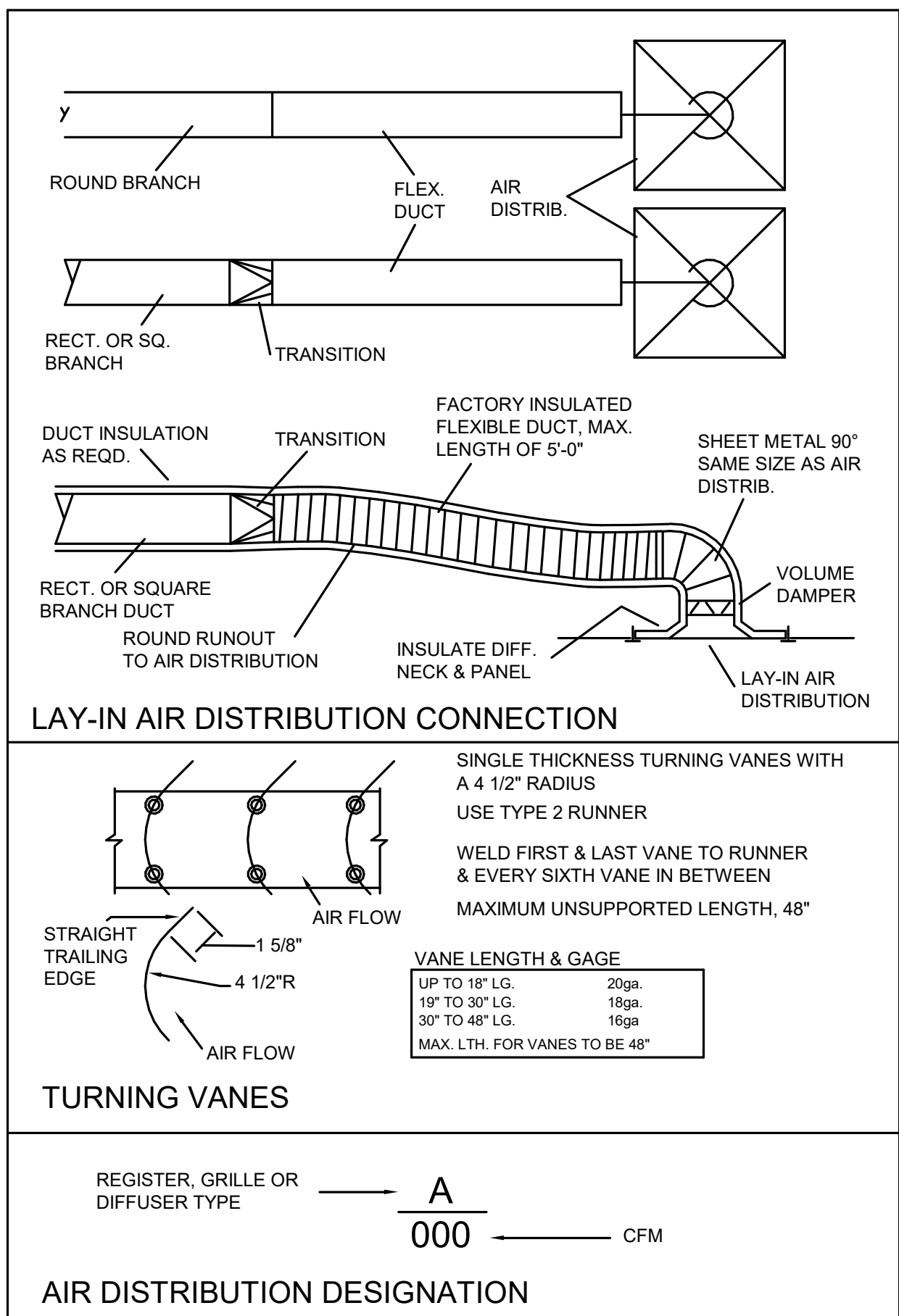
ALL SPOT ELEVATIONS ARE BASED OFF ELLIS LOBBY AS 0'-0"

	SANITARY SEWER		GATE VALVE
	STORM DRAIN		GLOBE VALVE
	DOMESTIC WATER		GAS COCK
	HOT WATER		BALL VALVE
	HOT WATER RETURN		CHECK VALVE
	PROCESS SEWER		STRAINER
	PROCESS EFFLUENT		BALANCING VALVE
	PROCESS WATER		CIRCUIT SENSOR
	PIPE TURN DOWN		FLANGED GATE VALVE
	PIPE TURN UP		FLANGED GLOBE VALVE
	TEE TURNING DOWN		FLANGED CHECK VALVE
	TEE TURNING UP		FLANGED STRAINER
	BREAK IN PIPING		FLANGED GAS COCK
	CONNECTION TO EXISTING PIPING		FLANGED BALL VALVE
	INDICATES PIPING TO RECEIVE INSULATION. SEE SPECIFICATIONS FOR TYPE AND THICKNESS		FLANGED BALANCING VALVE
			BUTTERFLY VALVE
			THERMOMETER AND WELL
			PRESSURE GAUGE
			CONCENTRIC REDUCER
			ECCENTRIC REDUCER

A/G	- ABOVE GROUND	FBO	- FURNISHED BY OTHERS	P	- PUMP
ABV	- ABOVE	FCO	- FLOOR CLEAN OUT	PLBG	- PLUMBING
ACC	- AIR COOLED CHILLER	FCU	- FAN COIL UNIT	PRDV	- PRESSURE REDUCING VALVE
ACU	- AIR CONDITIONING UNIT	FD	- FLOOR DRAIN (PLUMBING)	PRLV	- PRESSURE RELIEF VALVE
AD	- ACCESS DOOR	FD	- FIRE DAMPER (MECHANICAL)	PTAC	- PACKAGED TERMINAL AIR COIL
AE	- AIR EXTRACTOR	FGCO	- FLUSH GRADE CLEAN OUT	PTU	- PACKAGED TERMINAL UNIT
AFF	- ABOVE FINISHED FLOOR	FLG	- FLANGE, FLANGED	PVC	- POLYVINYLCHLORIDE
AHU	- AIR HANDLING UNIT	FPHB	- FROST PROOF HOSE BIBB	PW	- POTABLE WATER
ARU	- AIR ROTATION UNIT	FTU	- FAN POWERED VAV TERMINAL UNIT		
AAV	- AIR ADMITTANCE VALVE	FWE	- FURNISHED WITH EQUIPMENT	RD	- ROOF DRAIN
				RL	- REFRIGERANT LIQUID LINE
BFVL	- BUTTERFLY VALVE, LUGGED TYPE	GC	- GENERAL CONTRACTOR	RS	- REFRIGERANT SUCTION LINE
BFV	- BUTTERFLY VALVE, WAFER TYPE	GDF	- GAS DUCT FURNACE	RTU	- ROOF TOP AIR CONDITIONER
BFP	- BACKFLOW PREVENTER	GDH	- GAS DUCT HEATER		
BOP	- BOTTOM OF PIPE	GF	- GAS FURNACE	S	- SINK
		GWH	- GAS WATER HEATER	SA	- SHOCK ABSORBER
CB	- CATCH BASIN	GRH	- GRAVITY RELIEF HOOD	SD	- SPLITTER DAMPER
CH	- CHILLER			SF	- SUPPLY FAN
CHW	- CHILLED WATER			SHU	- SPACE HEATING UNIT
CHWP	- CHILLED WATER PUMP	H	- HUMIDIFIER	SMKD	- SMOKE DAMPER
CI	- CAST IRON	HB	- HOSE BIBB	SS	- SERVICE SINK
CT	- COOLING TOWER	HW	- HEATING WATER	SSTL	- STAINLESS STEEL
CTW	- COOLING TOWER WATER	HWUH	- HOT WATER UNIT HEATER	STL	- STEEL
CU	- COPPER	HX	- HEAT EXCHANGER	STM	- STEAM
CV	- CONTROL VALVE				
CW	- CONDENSER WATER	IH	- INTAKE HOOD	TOP	- TOP OF PIPE
CWP	- CONDENSER WATER PUMP	IL	- INTAKE LOUVER	TOS	- TOP OF STEEL
		IRH	- INFRARED HEATER	TWU	- THROUGH WALL UNIT
D	- DAMPER				
DIP	- DUCTILE IRON PIPE	L	- LAVATORY (PLUMBING)	U	- URINAL
DWV	- DRAIN WASTE VENT	L	- LOUVER (MECHANICAL)	U/G	- UNDERGROUND
DCW	- DOMESTIC (POTABLE) COLD WATER	LPG	- LIQUEFIED PETROLEUM GAS	UO	- UNLESS OTHERWISE NOTED
DHW	- DOMESTIC (POTABLE) HOT WATER			UH	- UNIT HEATER
		MC	- MECHANICAL CONTRACTOR		
EC	- ELECTRICAL CONTRACTOR	MH	- MAN HOLE	VAL	- VALVE
EDF	- ELECTRIC DRINKING FOUNTAIN	MD	- MOTORIZED DAMPER	VAV	- VARIABLE AIR VOLUME TERMINAL
EDH	- ELECTRIC DUCT HEATER			VD	- VOLUME DAMPER
EF	- EXHAUST FAN	NEC	- NATIONAL ELECTRICAL CODE	VT	- VENT
EH	- EXHAUST HOOD	NG	- NATURAL GAS	VTR	- VENT THROUGH ROOF
EL	- EXHAUST LOUVER	NIC	- NOT IN CONTRACT		
EUH	- ELECTRIC UNIT HEATER	NRS	- NON RISING STEM	WC	- WATER CLOSET
EWH	- ELECTRIC WATER HEATER			WCO	- WALL CLEAN OUT
EWSH	- EMERGENCY EYE WASH / SHOWER	OWS	- OIL WATER SEPARATOR	WF	- WASH FOUNTAIN
		OSY	- OUTSIDE SCREW AND YOKE	WH	- WATER HEATER

SINGLE LINE DUCT	DESCRIPTION	DOUBLE LINE DUCT
	RECTANGULAR 90° RADIUS ELBOW WITH CENTER LINE RADIUS OF 1.5 x WIDTH	
	RECTANGULAR 45° RADIUS ELBOW WITH CENTER LINE RADIUS OF 1.5 x WIDTH	
	RECTANGULAR 90° SQUARE ELBOW SINGLE THICKNESS VANES	
	BELLMOUTH TAP-IN	
	RECTANGULAR BRANCH TAP-IN	
	RECTANGULAR REDUCER TAPERED EACH SIDE	
	RECTANGULAR REDUCER TAPERED ONE SIDE	
	RECT. TO ROUND TRANSITION	
	RECTANGULAR TEE	
	RECTANGULAR TEE	
	VOLUME DAMPER	

 THERMOSTAT (MTD. AT 52" A.F.F.)
 DUCT MOUNT SMOKE DETECTOR
 MOTORIZED DAMPER
 FIRE DAMPER
 SMOKE DAMPER
 FIRE & SMOKE DAMPER
 VOLUME DAMPER
 FLEXIBLE CONNECTOR
 4 WAY CEILING SUPPLY DIFFUSER
 UNLESS OTHERWISE NOTED
 CEILING RETURN GRILLE
 CEILING EXHAUST OR TRANSFER GRILLE
 SIDEWALL SUPPLY REGISTER
 USE RECTANGULAR BRANCH TAP-IN
 AT BRANCH TO MAIN DUCT CONN.
 SIDEWALL RETURN OR EXHAUST REGISTER
 USE RECTANGULAR BRANCH TAP-IN
 AT BRANCH TO MAIN DUCT CONN.
 ROUND SUPPLY DIFFUSER



MECHANICAL DRAWING INDEX				
SHEET #	SHEET TITLE	Current Revision	Current Revision Date	Current Revision Description
M-001	MECHANICAL LEGEND	01	7-23-21	CD SET
M-101	FIRST FLOOR HVAC PLAN	01	7-23-21	CD SET
M-102	PNC SECOND FLOOR HVAC PLAN	01	7-23-21	CD SET
M-103	AUDIO BUILDING HVAC PLAN	01	7-23-21	CD SET
M-104	THEATER ROOF PLAN	01	7-23-21	CD SET
M-105	AUDIO BUILDING ROOF PLAN	01	7-23-21	CD SET
M-301	ELEVATIONS	01	7-23-21	CD SET
M-302	ELEVATIONS	01	7-23-21	CD SET
M-303	ELEVATIONS	01	7-23-21	CD SET
M-305	ELEVATIONS	01	7-23-21	CD SET
M-306	ELEVATIONS	01	7-23-21	CD SET
M-501	DETAILS	01	7-23-21	CD SET
M-502	DETAILS	01	7-23-21	CD SET
M-601	MECHANICAL SCHEDULES	01	7-23-21	CD SET
M-701	HVAC SEQUENCES OF OPERATION	01	7-23-21	CD SET



A New Construction Project:

MSCM - Ellis Theater Renovation

Project Site Address:

311 Byrd Avenue
Philadelphia, MS
39350

DAAD Project Number:

17583

No: SET: DATE:
01 CD SET 7-23-21

Drawing:

MECHANICAL LEGEND

M-001

- NOTES:
1. SHEETMETAL CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
 2. DUCT SIZES GIVEN ARE NET INTERIOR DIMENSIONS SHEETMETAL CONTRACTOR TO ALLOW FOR LINING WHERE REQUIRED.
 3. SEE SHEET M-001 FOR HVAC LEGEND.
 4. SEE SHEET M-601 FOR HVAC SCHEDULES.
 5. USE FLEXIBLE CONNECTOR AT ALL CONNECTIONS TO MECHANICAL EQUIPMENT.
 6. USE FLEXIBLE CONNECTOR AT ALL CONNECTIONS TO AIR DISTRIBUTION DEVICES.
 7. COORDINATE DUCTWORK TO RUN BETWEEN FLOOR JOISTS.



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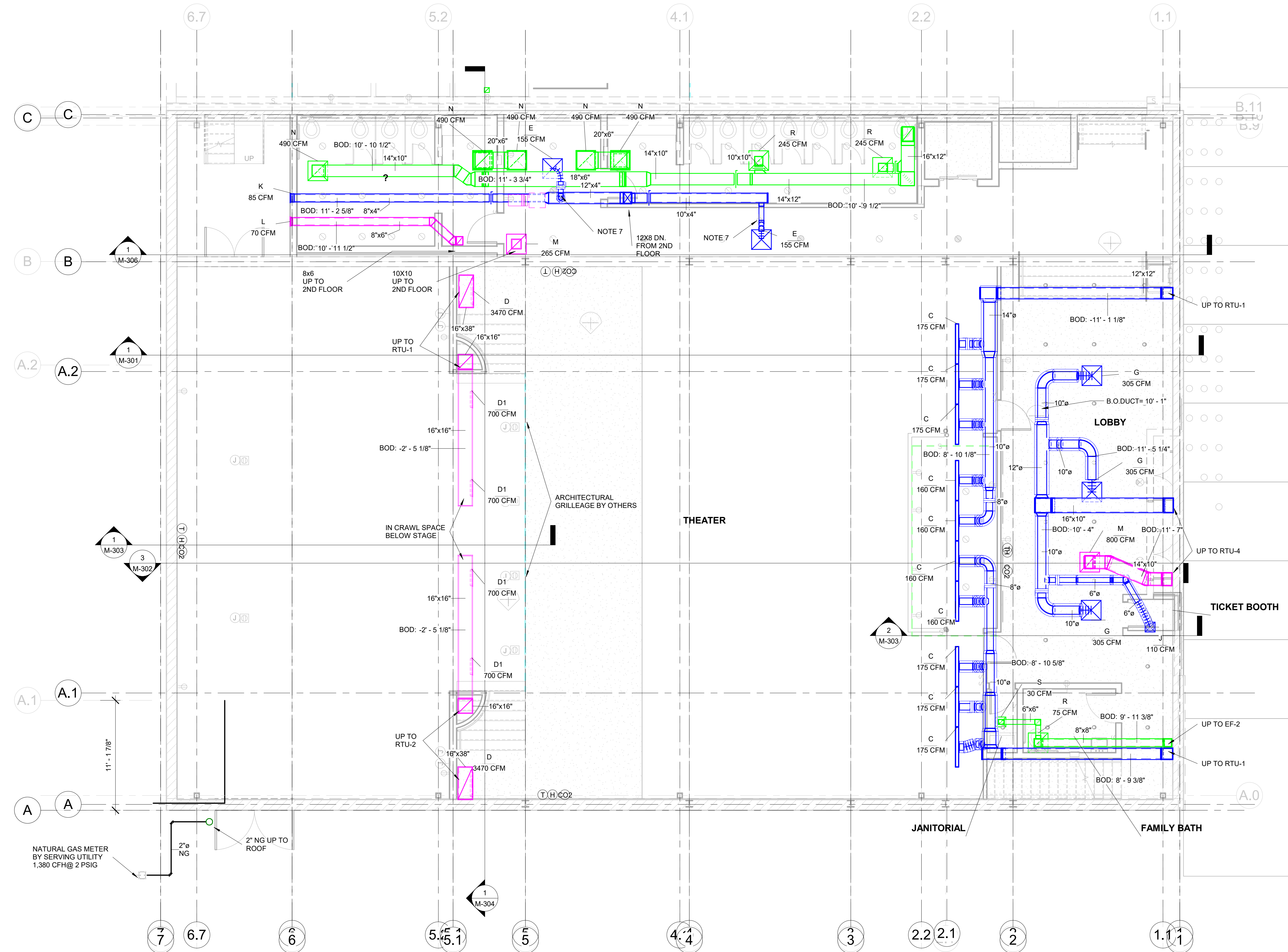
No: 01 SET: CD SET

DATE: 7-23-21

Drawing:

FIRST FLOOR HVAC
PLAN

M-101



1 LOBBY AND PNC FIRST FLOOR HVAC PLAN
3/16" = 1'-0"

- NOTES:
1. SHEETMETAL CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
 2. DUCT SIZES GIVEN ARE NET INTERIOR DIMENSIONS SHEETMETAL CONTRACTOR TO ALLOW FOR LINING WHERE REQUIRED.
 3. SEE SHEET M-001 FOR HVAC LEGEND
 4. SEE SHEET M-601 FOR HVAC SCHEDULES.
 5. USE FLEXIBLE CONNECTOR AT ALL CONNECTIONS TO MECHANICAL EQUIPMENT
 6. USE FLEXIBLE CONNECTOR AT ALL CONNECTIONS TO AIR DISTRIBUTION DEVICES.
 7. RA-3 - RETURN AIR SOUND ATTENUATOR ON RTU-3 SEE SCHEDULE ON SHEET M-601.



A New Construction Project:

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39350

DAAD Project Number:

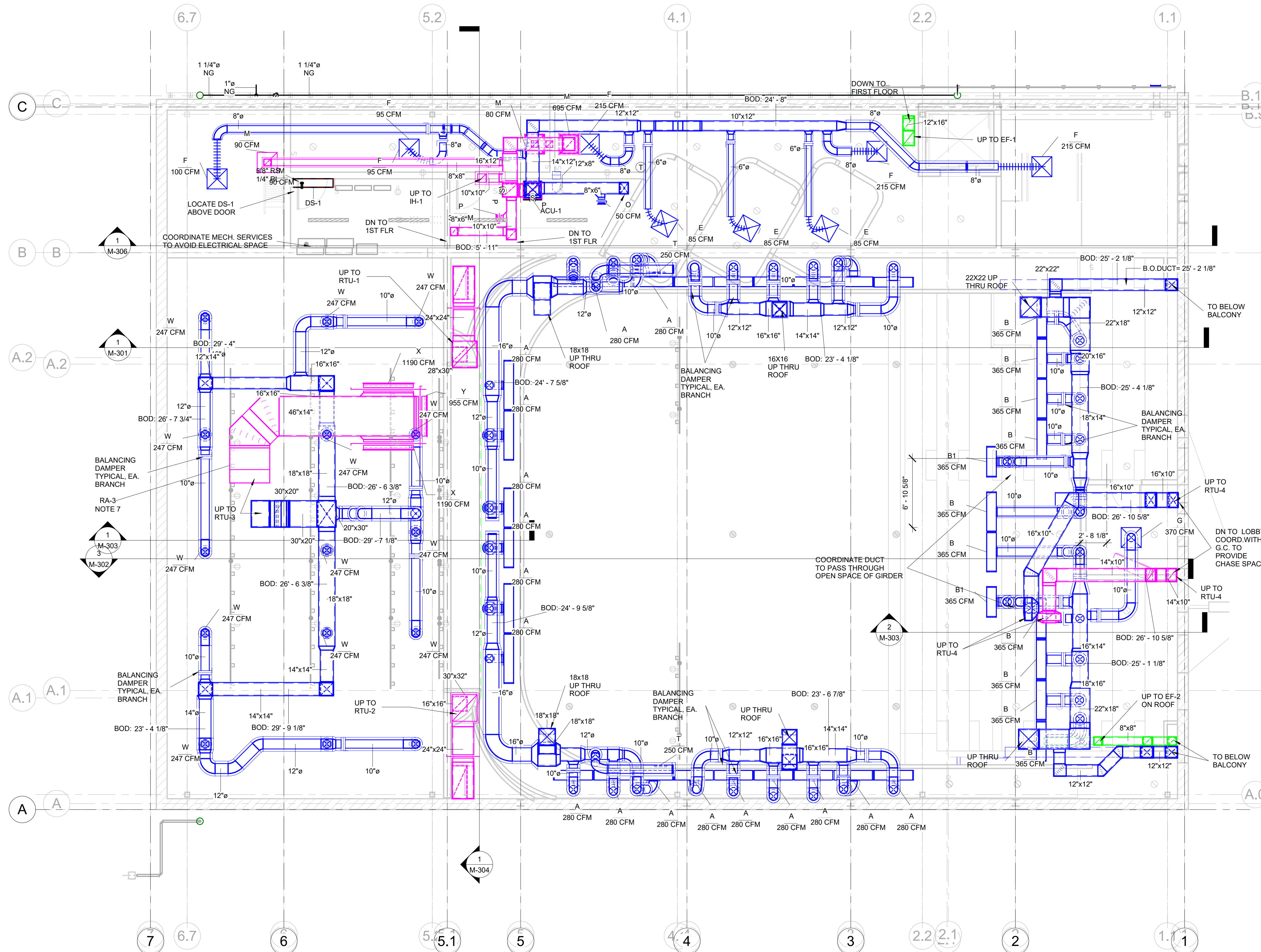
17583

No: 01 SET: CD SET DATE: 7-23-21

Drawing:

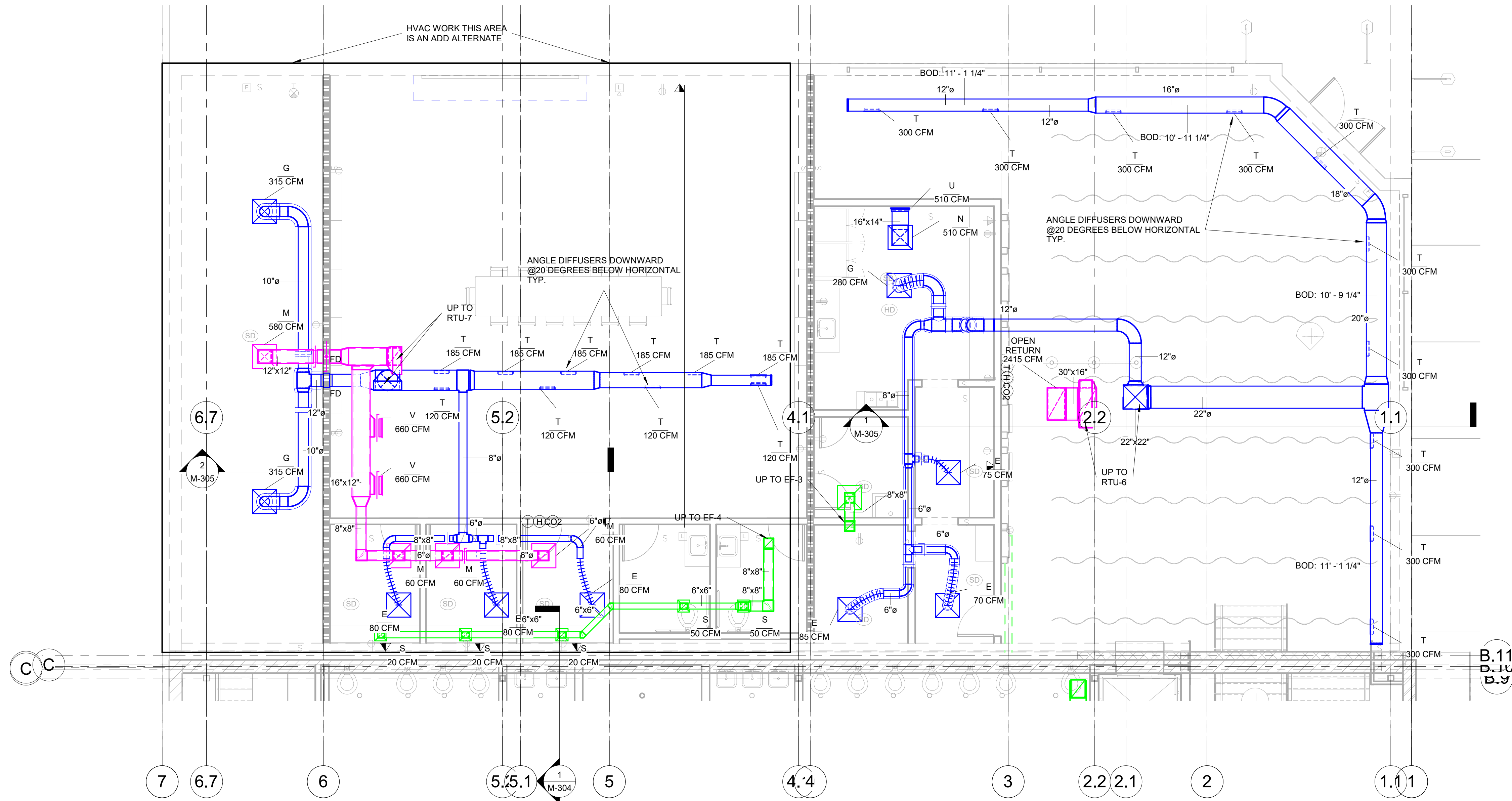
PNC SECOND FLOOR
HVAC PLAN

M-102



1 PNC 2ND FLOOR
3/16" = 1'-0"

- NOTES:
1. SHEETMETAL CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
 2. DUCT SIZES GIVEN ARE NET INTERIOR DIMENSIONS SHEETMETAL CONTRACTOR TO ALLOW FOR LINING WHERE REQUIRED.
 3. SEE SHEET M-001 FOR HVAC LEGEND
 4. SEE SHEET M-601 FOR HVAC SCHEDULES.
 5. RECTANGULAR DUCTWORK FROM UNIT CONNECTION TO ROUND DUCT CONNECTION IS TO BE INTERNALLY LINED FOR SOUND ATTENUATION.
 6. ROUND SUPPLY DUCTWORK IN EXPOSED LOCATIONS SHALL BE OF DOUBLE WALL CONSTRUCTION.
 7. USE FLEXIBLE CONNECTOR AT ALL CONNECTIONS TO MECHANICAL EQUIPMENT
 8. USE FLEXIBLE CONNECTOR AT ALL CONNECTIONS TO AIR DISTRIBUTION DEVICES.
 9. MECHANICAL CONTRACTOR TO COORDINATE UNIT PLACEMENT AND ROOF OPENING WITH STRUCTURAL ENGINEER.



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1 AUDIO BUILDING HVAC PLAN
3/16" = 1'-0"

Drawing:

AUDIO BUILDING HVAC PLAN

M-103

- NOTES:
1. SHEETMETAL CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
 2. DUCT SIZES GIVEN ARE NET INTERIOR DIMENSIONS SHEETMETAL CONTRACTOR TO ALLOW FOR LINING WHERE REQUIRED.
 3. RECTANGULAR DUCTWORK FROM UNIT CONNECTION TO ROUND DUCT CONNECTION IS TO BE INTERNALLY LINED FOR SOUND ATTENUATION.
 4. ALL RECTANGULAR SUPPLY AND RETURN DUCTS INSTALLED EXTERIOR TO A BUILDING SHALL BE INSULATED WITH 1"-3.0 LB/CF BOARD INSULATION EQUAL TO KNAUF INSULATION BOARD TYPE 3.0 PCF WITH ALL SERVICE JACKET. THE INSTALLED INSULATION VALUE OF THE DUCT LINER SHALL BE A MINIMUM OF R-4.3.
 - A. EXTERIOR DUCT INSULATION SHALL RECEIVE A PROTECTIVE WEATHERPROOF RUBBERIZED BITUMEN MEMBRANE WITH ADHESIVE BACKING. MEMBRANE SHALL BE A MINIMUM OF 0.060" THICK, EQUIVALENT TO POLYGUARD ALUMAGUARD.
 - B. INSTALLATION OF DUCT INSULATION AND MEMBRANE SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION RECOMMENDATIONS.
 - C. ALL TRANSVERSE JOINTS, CUT EDGES, AND DAMAGED AREAS OF INSULATION SHALL BE COATED WITH A WATER BASE, FIRE RESISTANT COATING OF MEL 11-02 ECO-PERM, "DUCT BUTTER" OR EQUAL PRIOR TO INSTALLATION OF MEMBRANE COATING.



A New Construction Project:

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DAAD Project Number:

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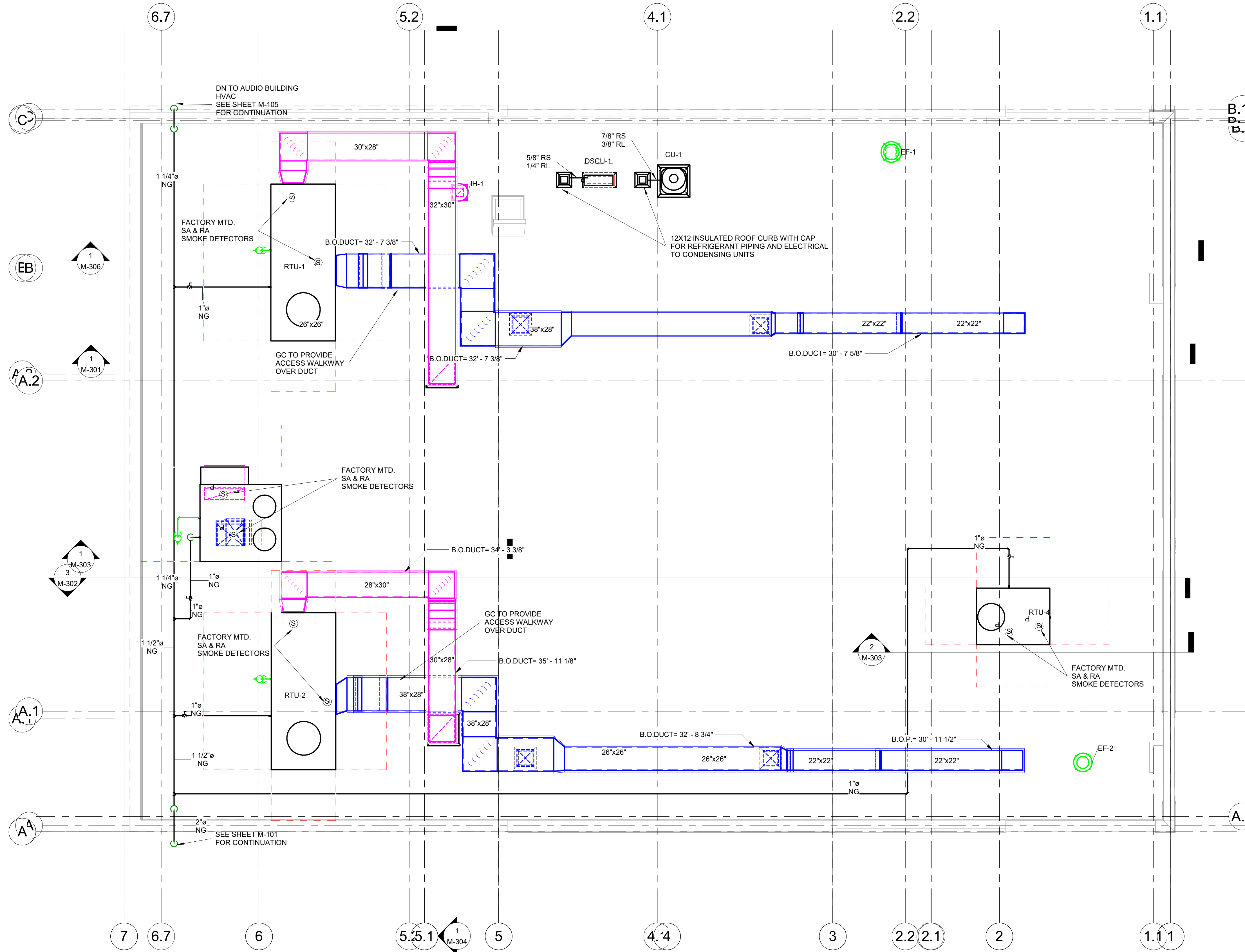
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DATE: 7-23-21

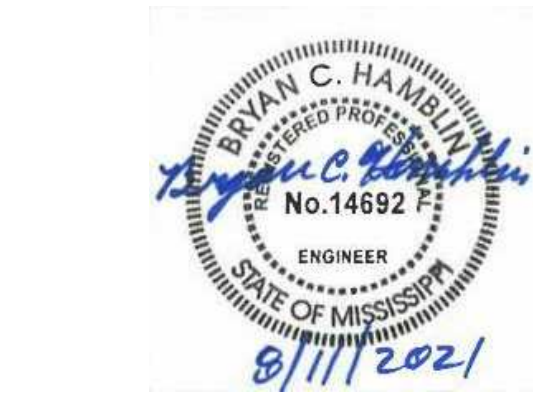
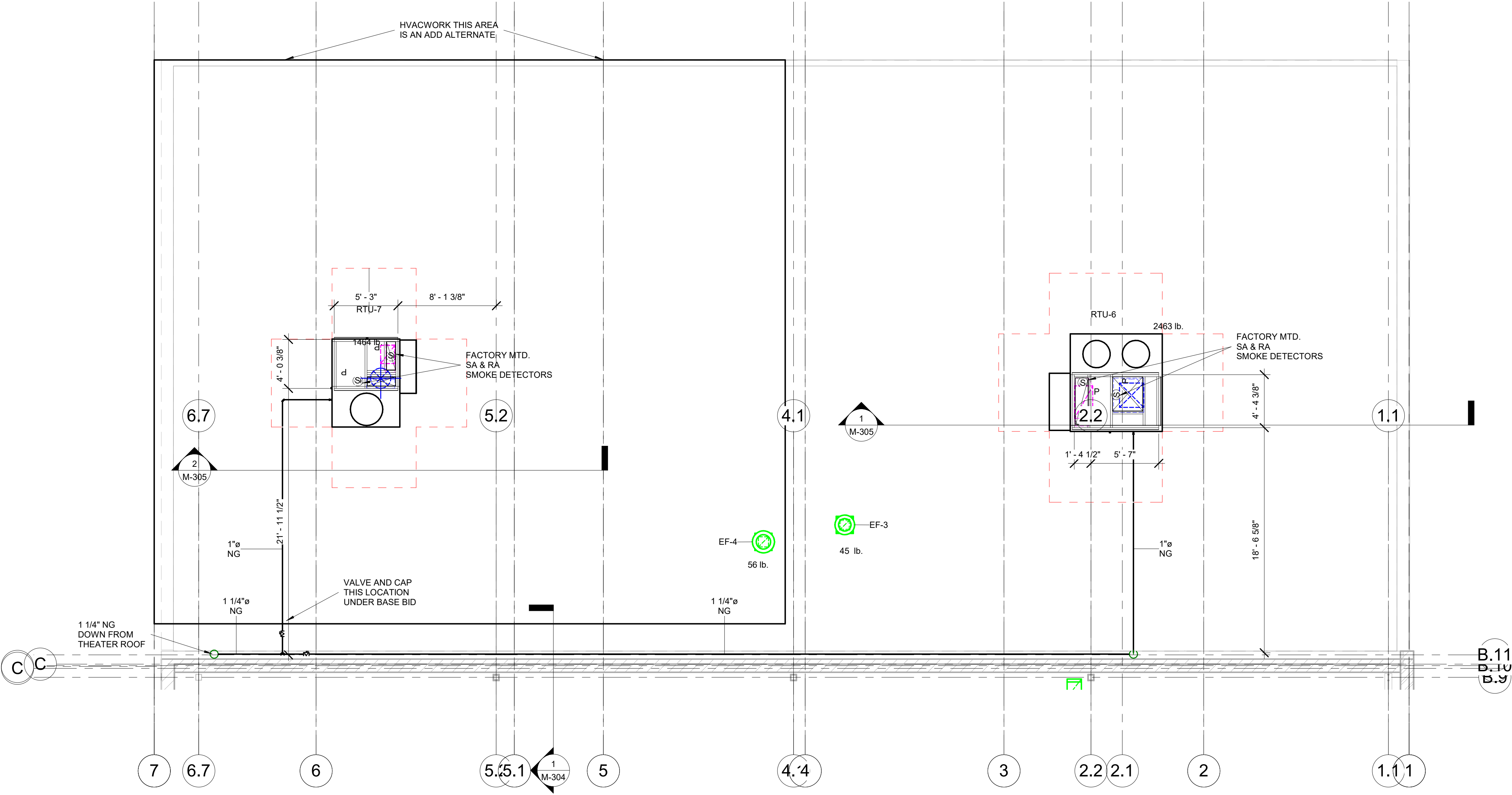
Drawing:

THEATER ROOF PLAN

M-104



- NOTES:
1. SHEETMETAL CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
 2. DUCT SIZES GIVEN ARE NET INTERIOR DIMENSIONS SHEETMETAL CONTRACTOR TO ALLOW FOR LINING WHERE REQUIRED.
 3. SEE SHEET M-001 FOR HVAC LEGEND.
 4. SEE SHEET M-601 FOR HVAC SCHEDULES.
 5. RECTANGULAR DUCTWORK FROM UNIT CONNECTION TO ROUND DUCT CONNECTION IS TO BE INTERNALLY LINED FOR SOUND ATTENUATION.
 6. ROUND SUPPLY DUCTWORK IN EXPOSED LOCATIONS SHALL BE OF DOUBLE WALL CONSTRUCTION.
 7. USE FLEXIBLE CONNECTOR AT ALL CONNECTIONS TO MECHANICAL EQUIPMENT
 8. USE FLEXIBLE CONNECTOR AT ALL CONNECTIONS TO AIR DISTRIBUTION DEVICES.



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1 AUDIO BUILDING ROOF PLAN
3/16" = 1'-0"

Drawing:

AUDIO BUILDING ROOF
PLAN

M-105

- NOTES:
1. SHEETMETAL CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
 2. DUCT SIZES GIVEN ARE NET INTERIOR DIMENSIONS SHEETMETAL CONTRACTOR TO ALLOW FOR LINING WHERE REQUIRED.
 3. SEE SHEET M-001 FOR HVAC LEGEND
 4. SEE SHEET M-601 FOR HVAC SCHEDULES
 5. SEE SHEET M-701 FOR HVAC DETAILS
 6. RECTANGULAR DUCTWORK FROM UNIT CONNECTION TO ROUND DUCT CONNECTION IS TO BE INTERNALLY LINED FOR SOUND ATTENUATION.
 7. ALL RECTANGULAR SUPPLY AND RETURN DUCTS, INSTALLED EXTERIOR TO A BUILDING SHALL BE INSULATED WITH 1"-3.0 LBC/OF BOARD INSULATION EQUAL TO KNAUF INSULATION BOARD TYPE 3.0 PCF WITH ALL SERVICE JACKET. THE INSTALLED INSULATION VALUE OF THE DUCT LINER SHALL BE A MINIMUM OF R-4.3.
 - A. EXTERIOR DUCT INSULATION SHALL RECEIVE A PROTECTIVE WEATHERPROOF RUBBERIZED BITUMEN MEMBRANE WITH ADHESIVE BACKING. MEMBRANE SHALL BE A MINIMUM OF 0.060" THICK, EQUIVALENT TO POLYGUARD ALUMAGUARD.
 - B. INSTALLATION OF DUCT INSULATION AND MEMBRANE SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION RECOMMENDATIONS.
 - C. ALL TRANSVERSE JOINTS, CUT EDGES, AND DAMAGED AREAS OF INSULATION SHALL BE COATED WITH A WATER BASE, FIRE RESISTANT COATING OF MEI, 11-02 ECO-PERM, "DUCT BUTTER" OR EQUAL PRIOR TO INSTALLATION OF MEMBRANE COATING.



A New Construction Project:

MSCCM - Ellis Theater Renovation

Project Site Address:

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DAAD Project Number:

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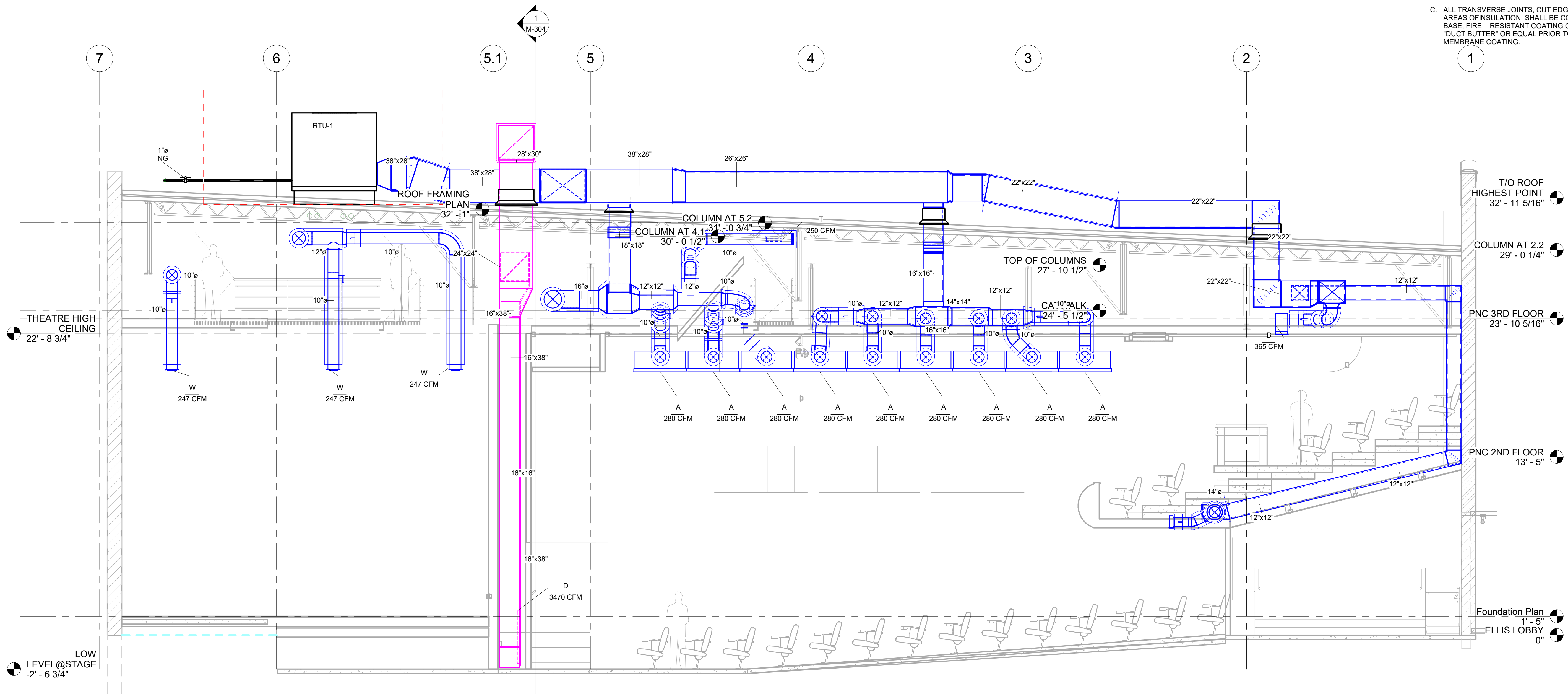
No: 01 SET: CD SET

DATE: 7-23-21

Drawing:

ELEVATIONS

M-301



1 RTU-1 ELEVATION
1/4" = 1'-0"

- NOTES:
1. SHEETMETAL CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
 2. DUCT SIZES GIVEN ARE NET INTERIOR DIMENSIONS SHEETMETAL CONTRACTOR TO ALLOW FOR LINING WHERE REQUIRED.
 3. SEE SHEET M-001 FOR HVAC LEGEND
 4. SEE SHEET M-601 FOR HVAC SCHEDULES
 5. RECTANGULAR DUCTWORK FROM UNIT CONNECTION TO ROUND DUCT CONNECTION IS TO BE INTERNALLY LINED FOR SOUND ATTENUATION.
 6. ALL RECTANGULAR SUPPLY AND RETURN DUCTS INSTALLED EXTERIOR TO A BUILDING SHALL BE INSULATED WITH 1"-3.0 LB/CF BOARD INSULATION EQUAL TO KNAUF INSULATION BOARD TYPE 3.0 PCF WITH ALL SERVICE JACKET. THE INSTALLED INSULATION VALUE OF THE DUCT LINER SHALL BE A MINIMUM OF R-4.3.
 - A. EXTERIOR DUCT INSULATION SHALL RECEIVE A PROTECTIVE WEATHERPROOF RUBBERIZED BITUMEN MEMBRANE WITH ADHESIVE BACKING. MEMBRANE SHALL BE A MINIMUM OF 0.060" THICK, EQUIVALENT TO POLYGUARD ALUMAGUARD.
 - B. INSTALLATION OF DUCT INSULATION AND MEMBRANE SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION RECOMMENDATIONS.
 - C. ALL TRANSVERSE JOINTS, CUT EDGES, AND DAMAGED AREAS OF INSULATION SHALL BE COATED WITH A WATER BASE, FIRE RESISTANT COATING OF MEI, 11-02 ECO-PERM, "DUCT BUTTER" OR EQUAL PRIOR TO INSTALLATION OF MEMBRANE COATING.



A New Construction Project:

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Project Site Address:

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39350

DAAD Project Number:

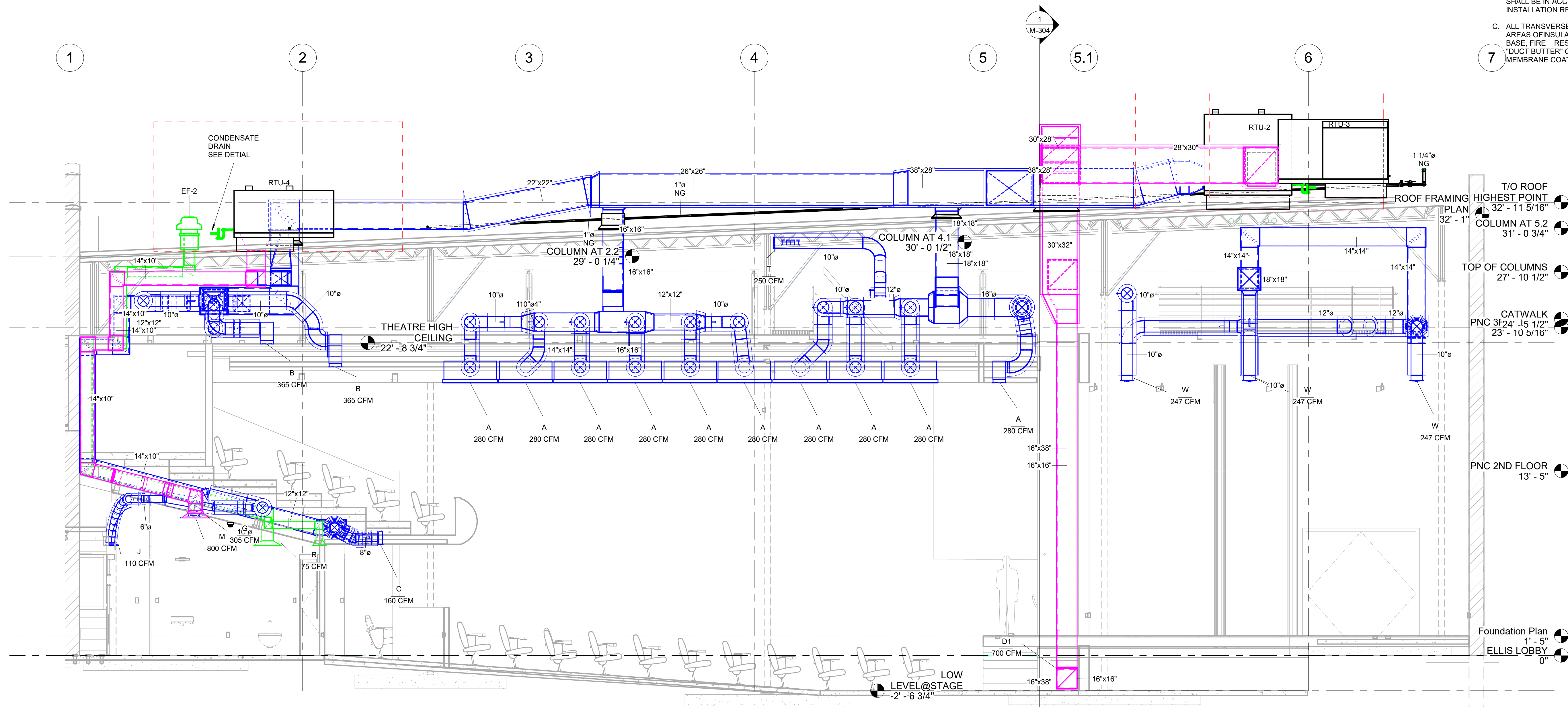
17583

No:	SET:	DATE:
01	CD SET	7-23-21

Drawing:

ELEVATIONS

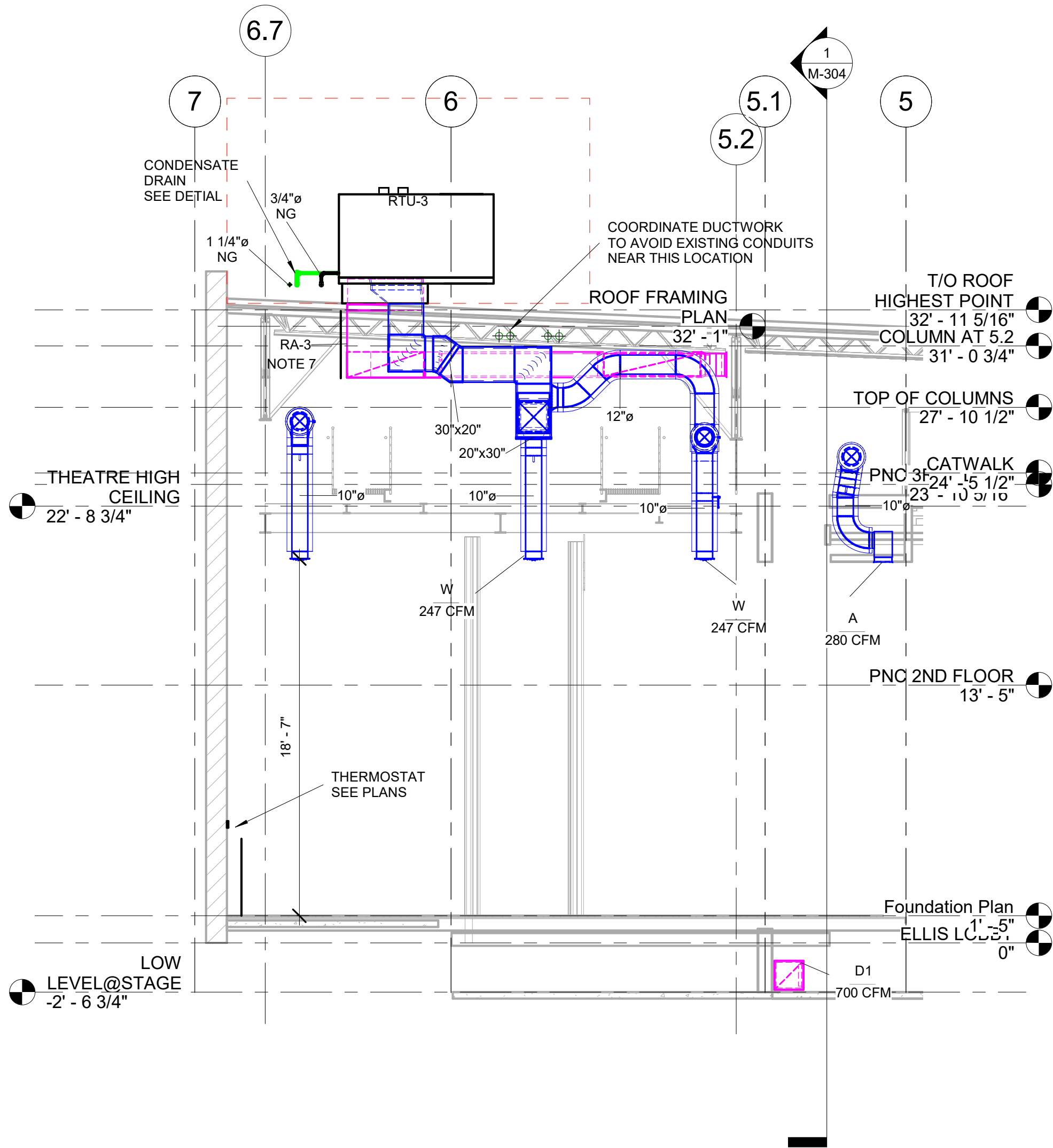
M-302



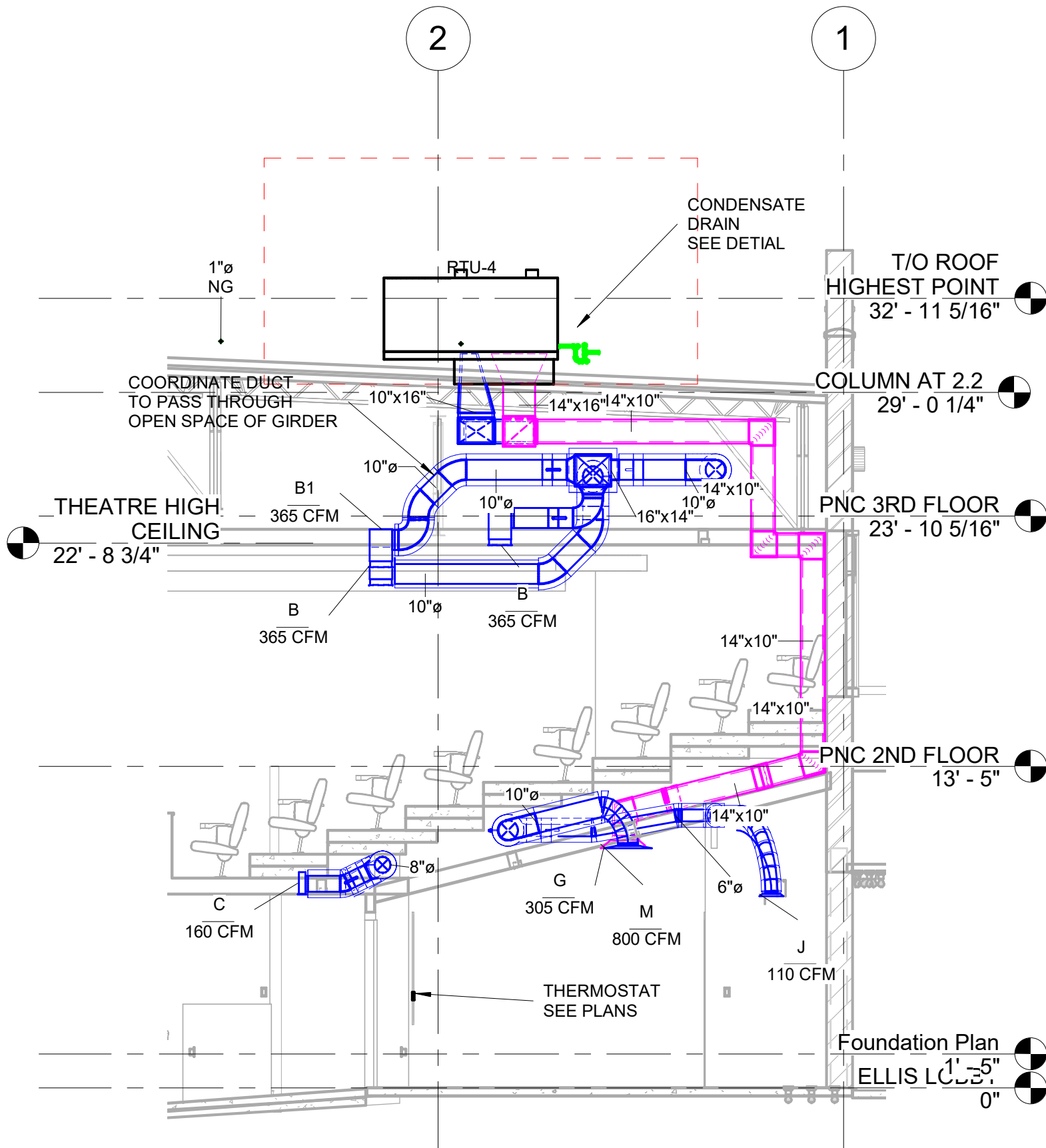
RTU-2 ELEVATION

1/4" = 1'-0"

- NOTES:
1. SHEETMETAL CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
 2. DUCT SIZES GIVEN ARE NET INTERIOR DIMENSIONS SHEETMETAL CONTRACTOR TO ALLOW FOR LINING WHERE REQUIRED.
 3. SEE SHEET M-001 FOR HVAC LEGEND
 4. SEE SHEET M-601 FOR HVAC SCHEDULES.
 5. USE FLEXIBLE CONNECTOR AT ALL CONNECTIONS TO MECHANICAL EQUIPMENT
 6. USE FLEXIBLE CONNECTOR AT ALL CONNECTIONS TO AIR DISTRIBUTION DEVICES.
 7. RA-3 - RETURN AIR SOUND ATTENUATOR ON RTU-3 SEE SCHEDULE ON SHEET M-601.



1 RTU-3 ELEVATION
3/16" = 1'-0"



2 RTU-4 ELEVATION
3/16" = 1'-0"



A New Construction Project:
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Project Site Address:
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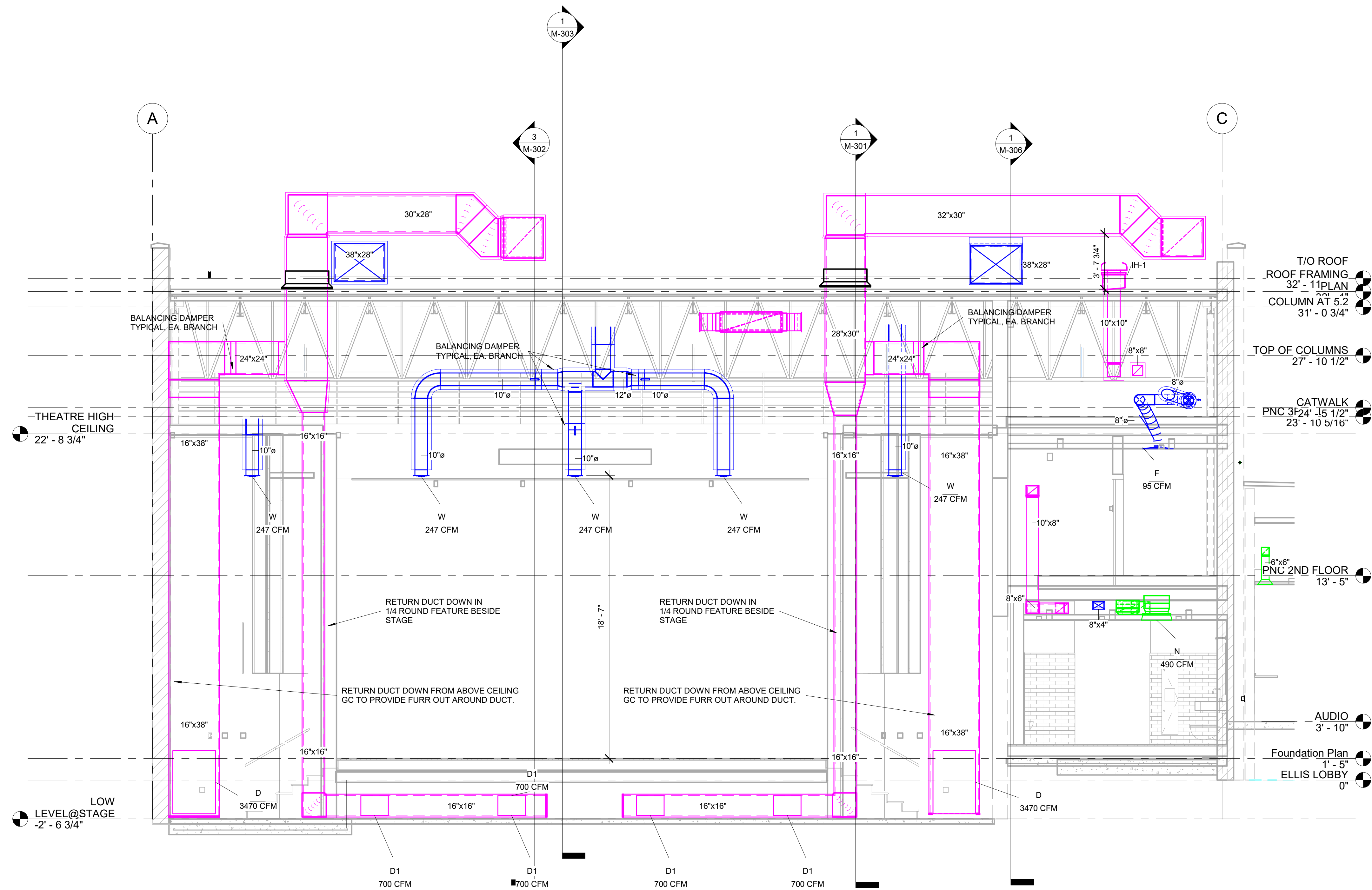
No: 01 SET: CD SET DATE: 7-23-21

Drawing:

ELEVATIONS

M-303

- NOTES:
1. SHEETMETAL CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
 2. DUCT SIZES GIVEN ARE NET INTERIOR DIMENSIONS SHEETMETAL CONTRACTOR TO ALLOW FOR LINING WHERE REQUIRED.
 3. SEE SHEET M-001 FOR HVAC LEGEND
 4. SEE SHEET M-601 FOR HVAC SCHEDULES.
 5. USE FLEXIBLE CONNECTOR AT ALL CONNECTIONS TO MECHANICAL EQUIPMENT
 6. USE FLEXIBLE CONNECTOR AT ALL CONNECTIONS TO AIR DISTRIBUTION DEVICES.
 7. COORDINATE DUCTWORK TO RUN BETWEEN FLOOR JOISTS.



A New Construction Project:

MSCM - Ellis Theater Renovation

Project Site Address:

311 Byrd Avenue
Philadelphia, MS
39350

DAAD Project Number:
17583

No: SET: DATE:

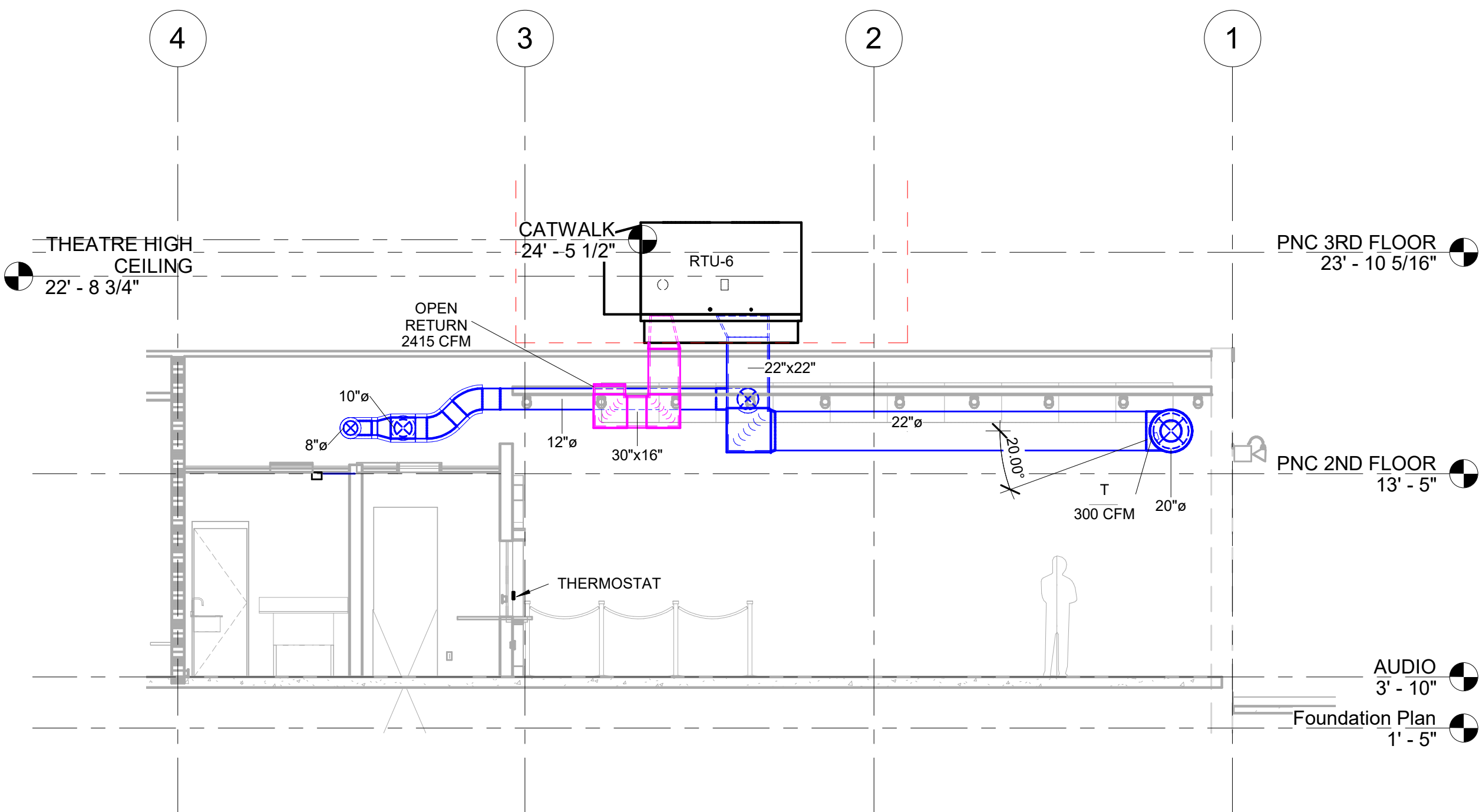
ELEVATION AT STAGE

1/4" = 1'-0"

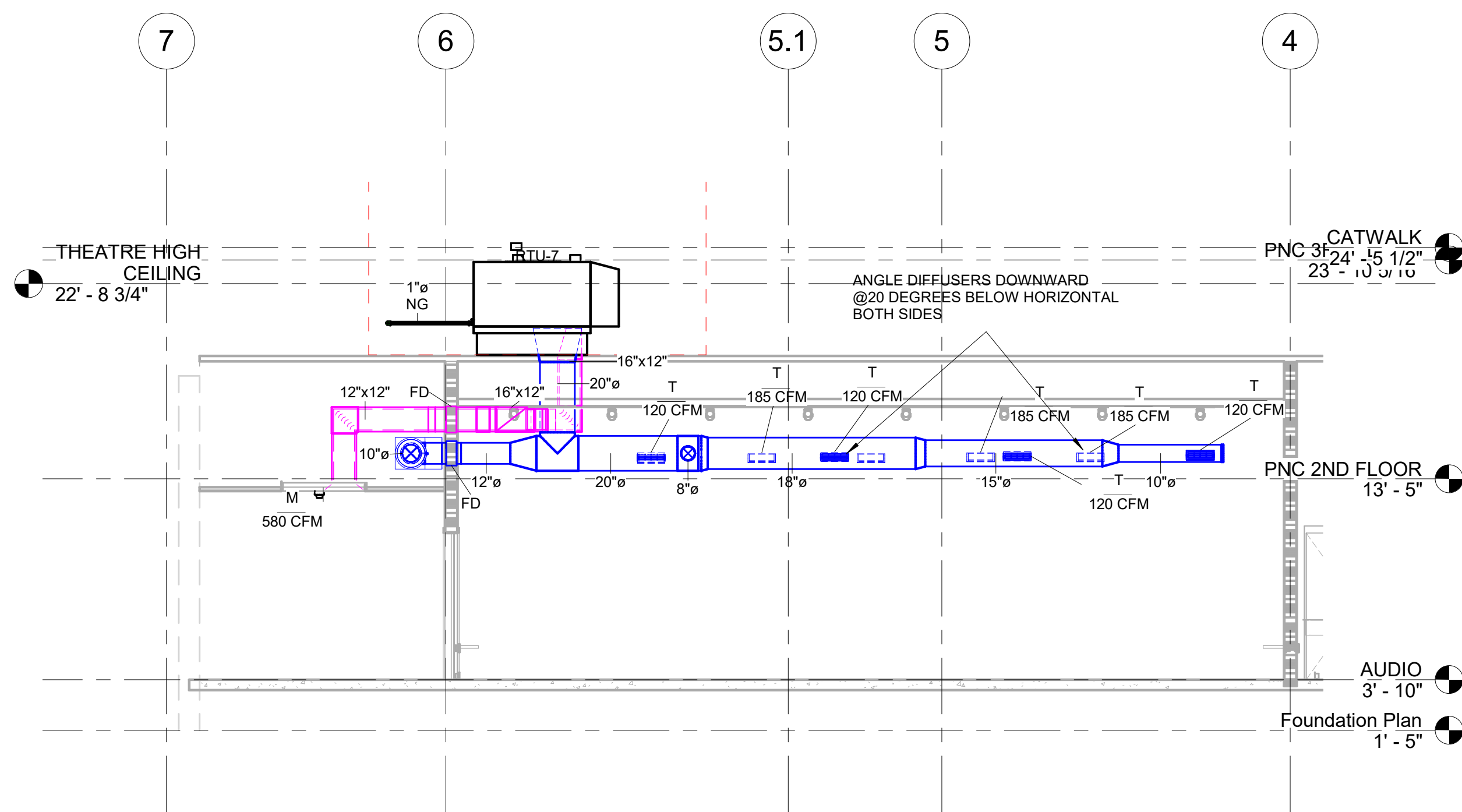
Drawing:

ELEVATION AT STAGE

M-304



1 RTU-6 ELEVATION
3/16" = 1'-0"



2 RTU-7 ELEVATION - ADD ALTERNATE
3/16" = 1'-0"



A New Construction Project:
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311 Byrd Avenue
Philadelphia, MS
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01	CD SET	7-23-21

Drawing:

ELEVATIONS

M-305



A New Construction Project:

MSCCM - Ellis Theater Renovation

Project Site Address:

311 Byrd Avenue
Philadelphia, MS
39350

DAAD Project Number:

17583

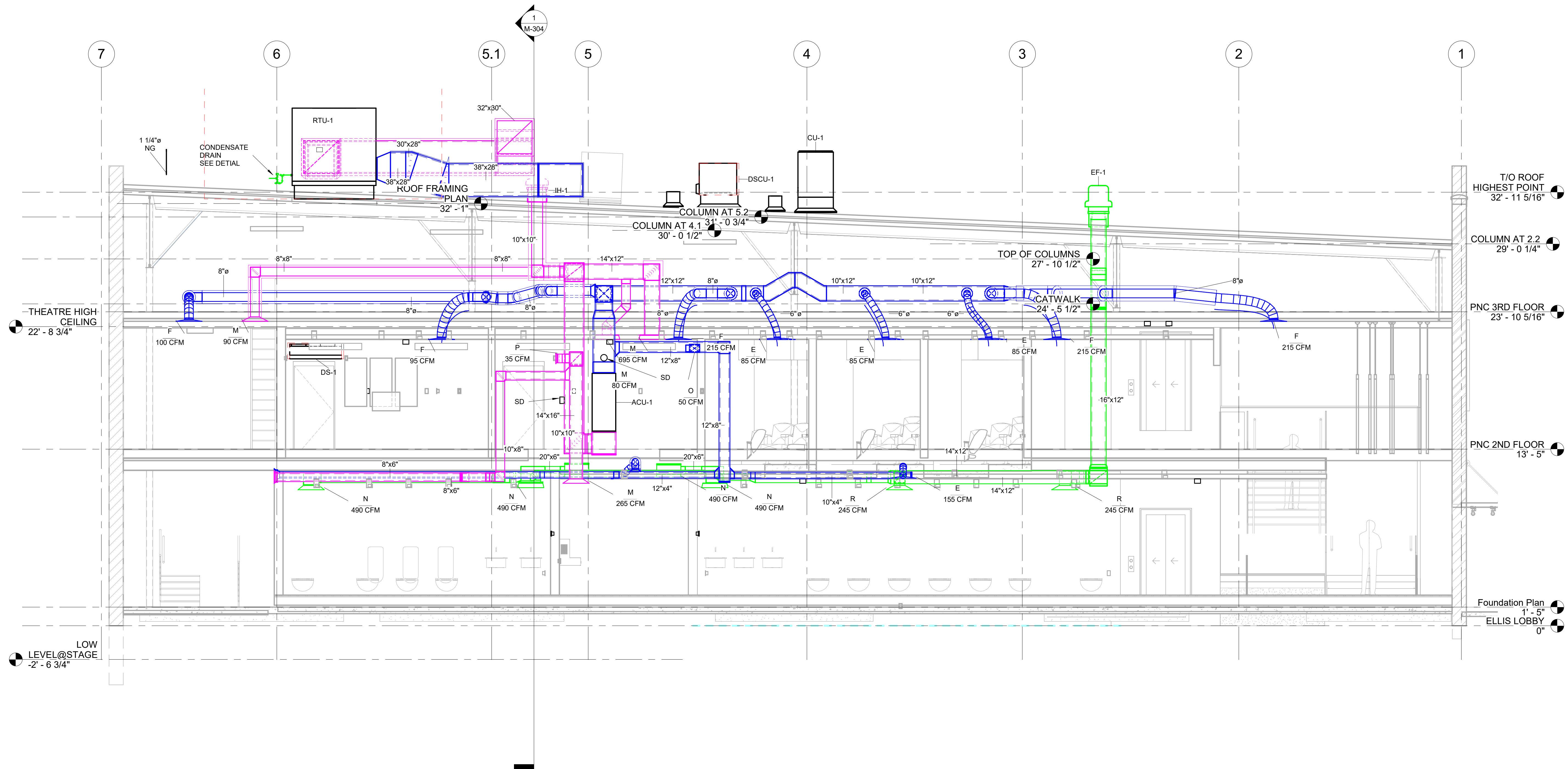
No: 01 SET: CD SET

DATE:
7-23-21

Drawing:

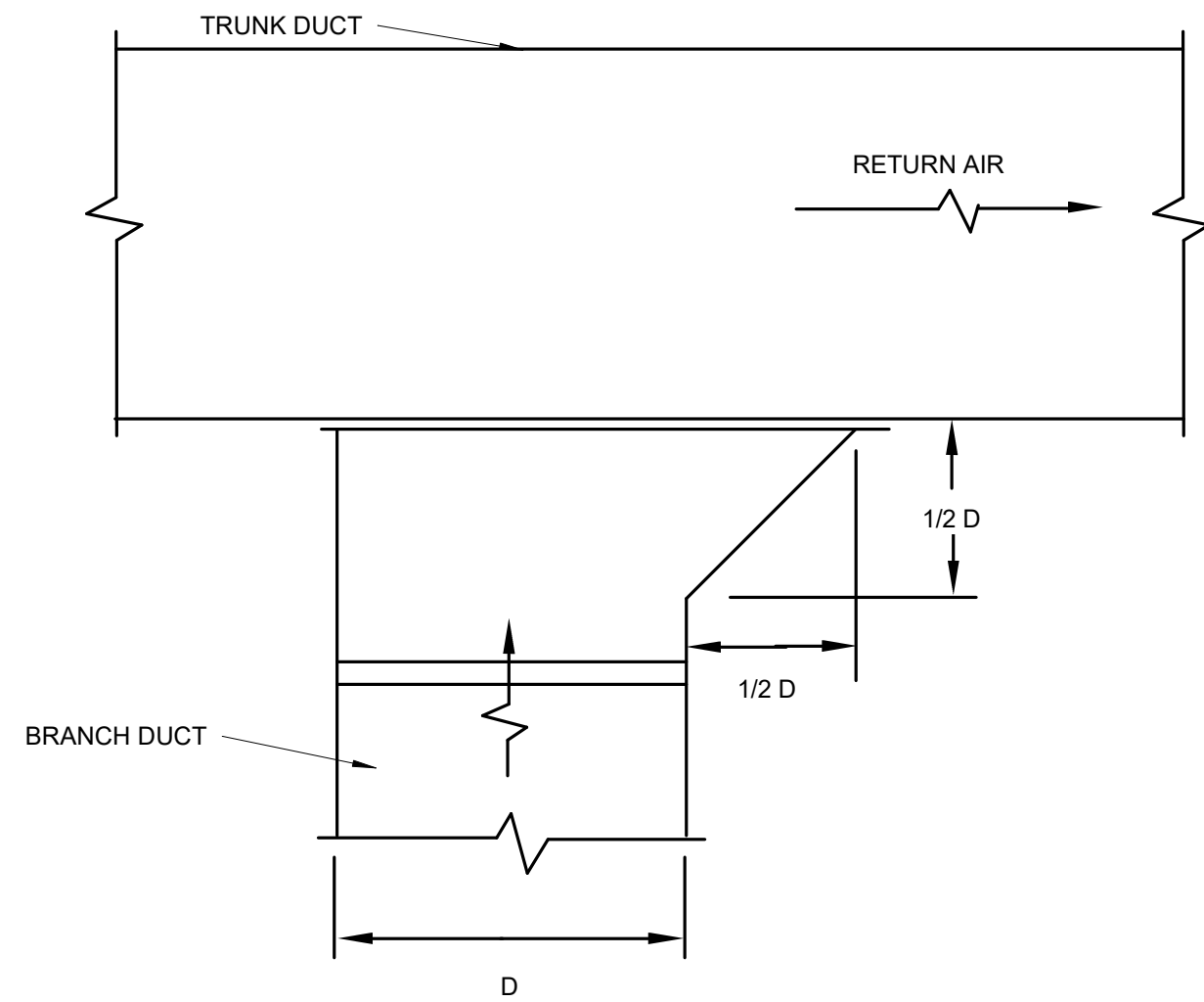
ELEVATIONS

M-306

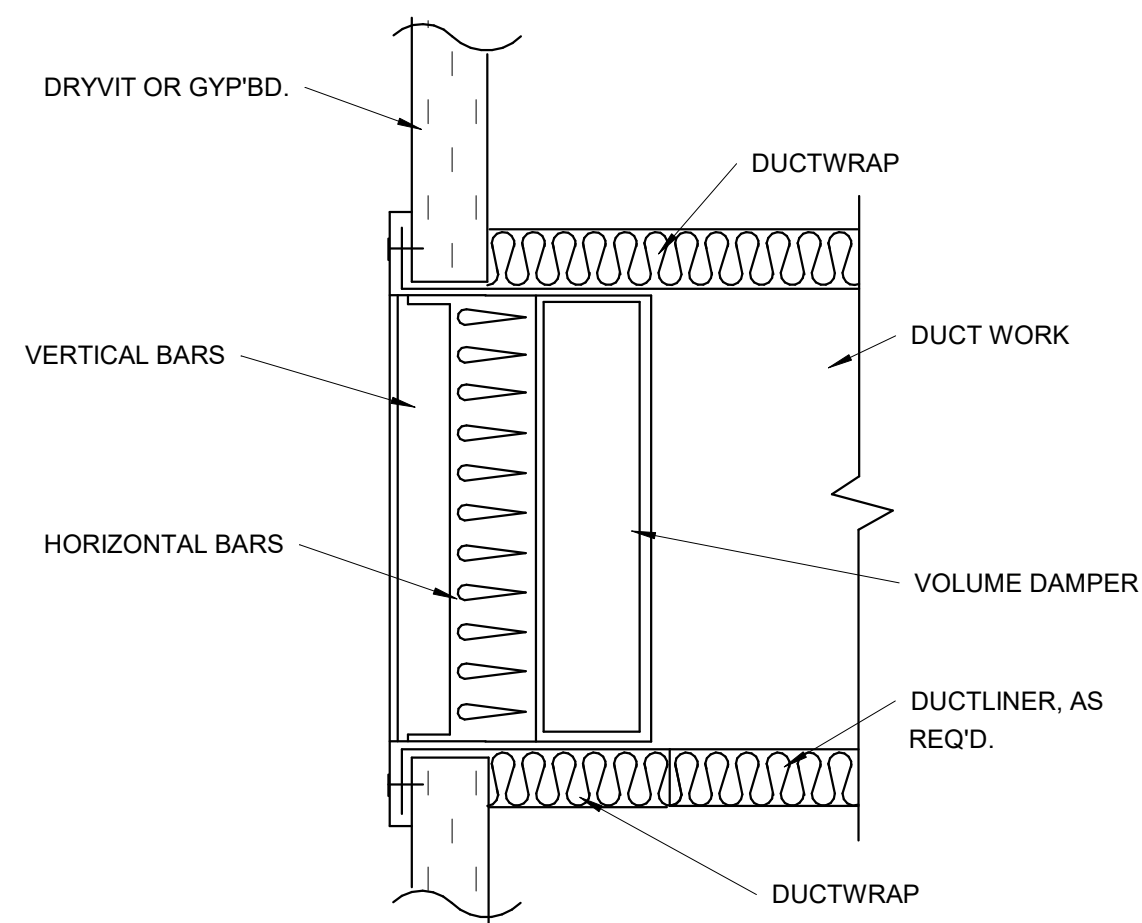


ELEVATION THRU PNC

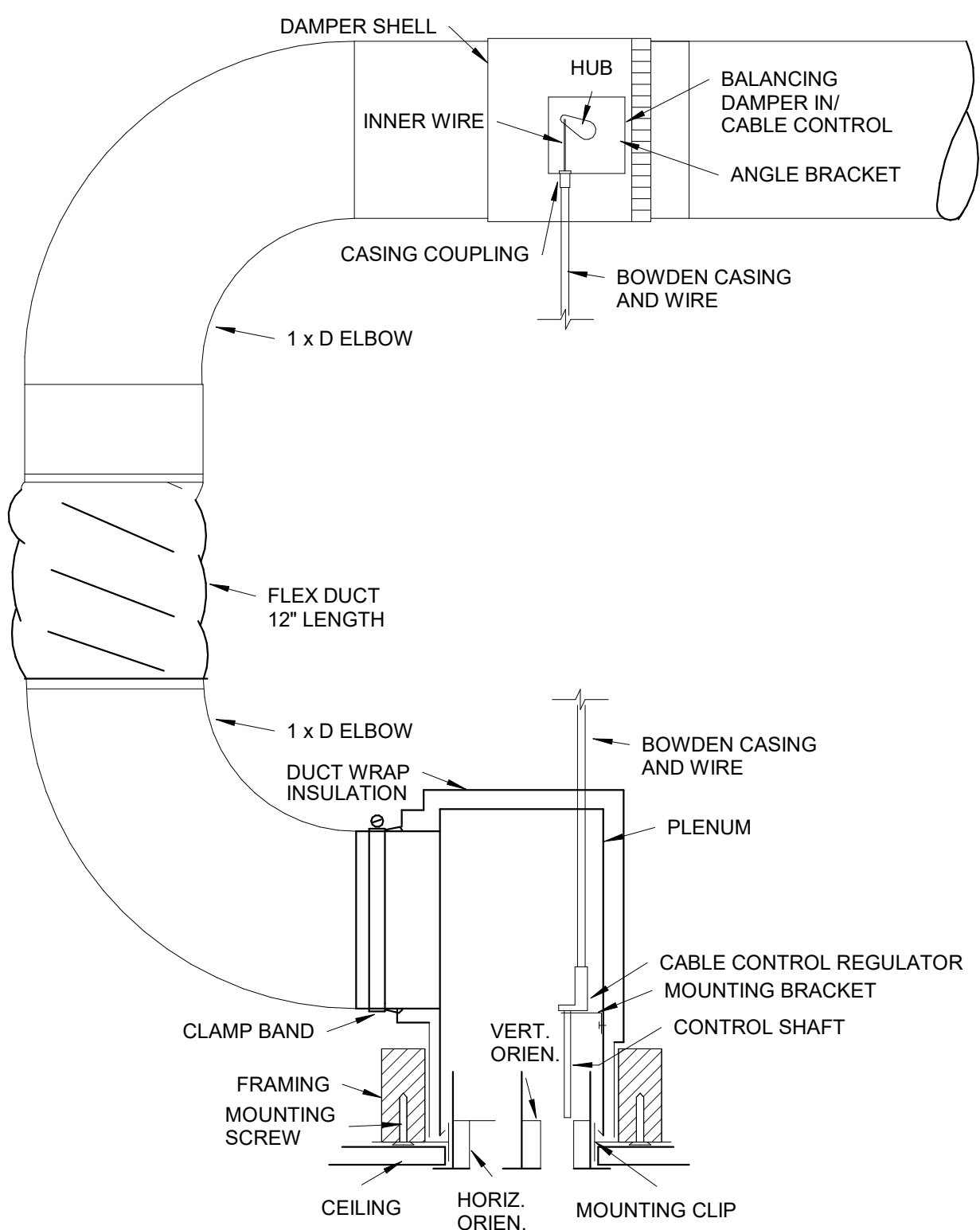
1/4" = 1'-0"



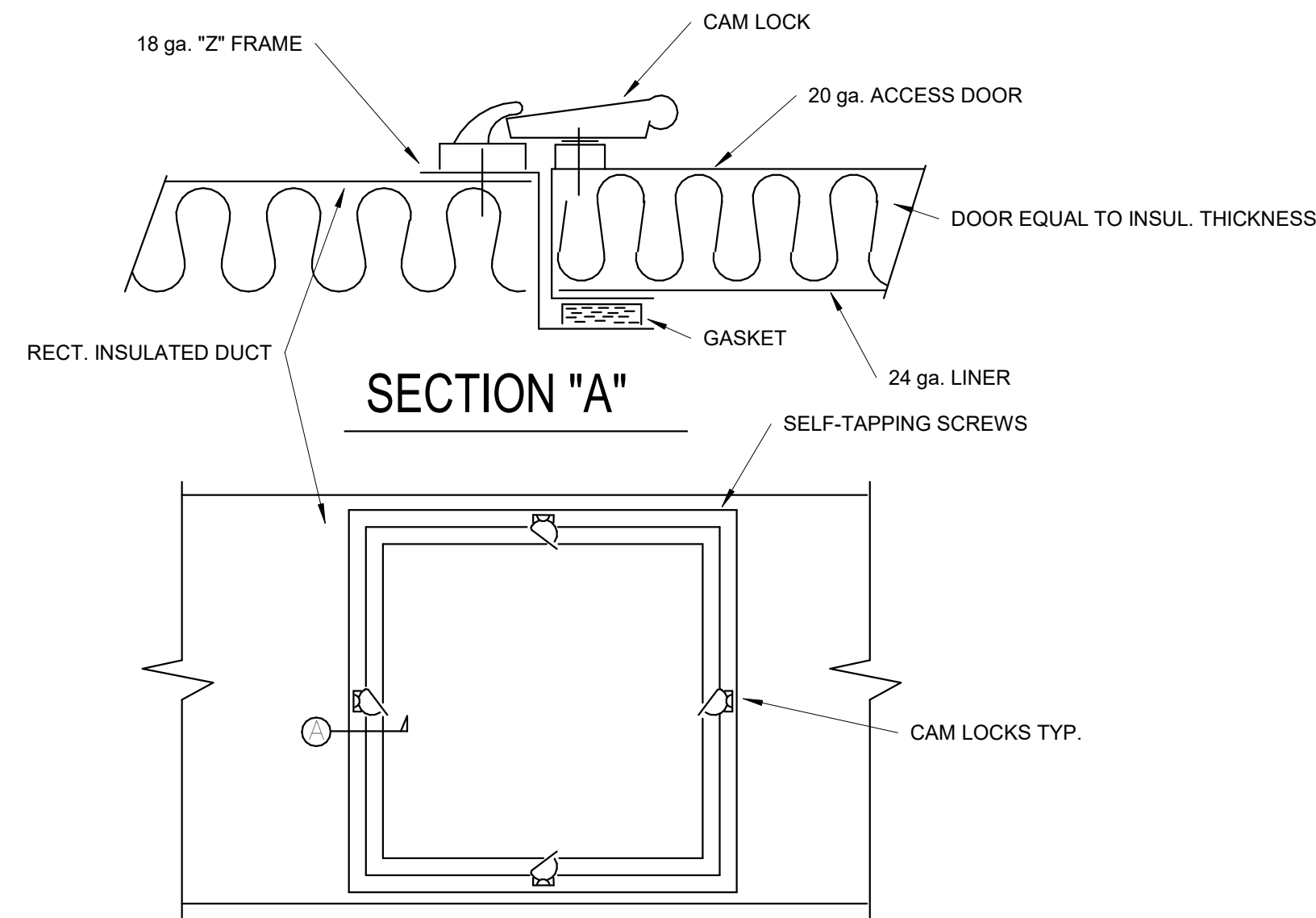
1 RETURN BRANCH TAP IN DETAIL
N.T.S



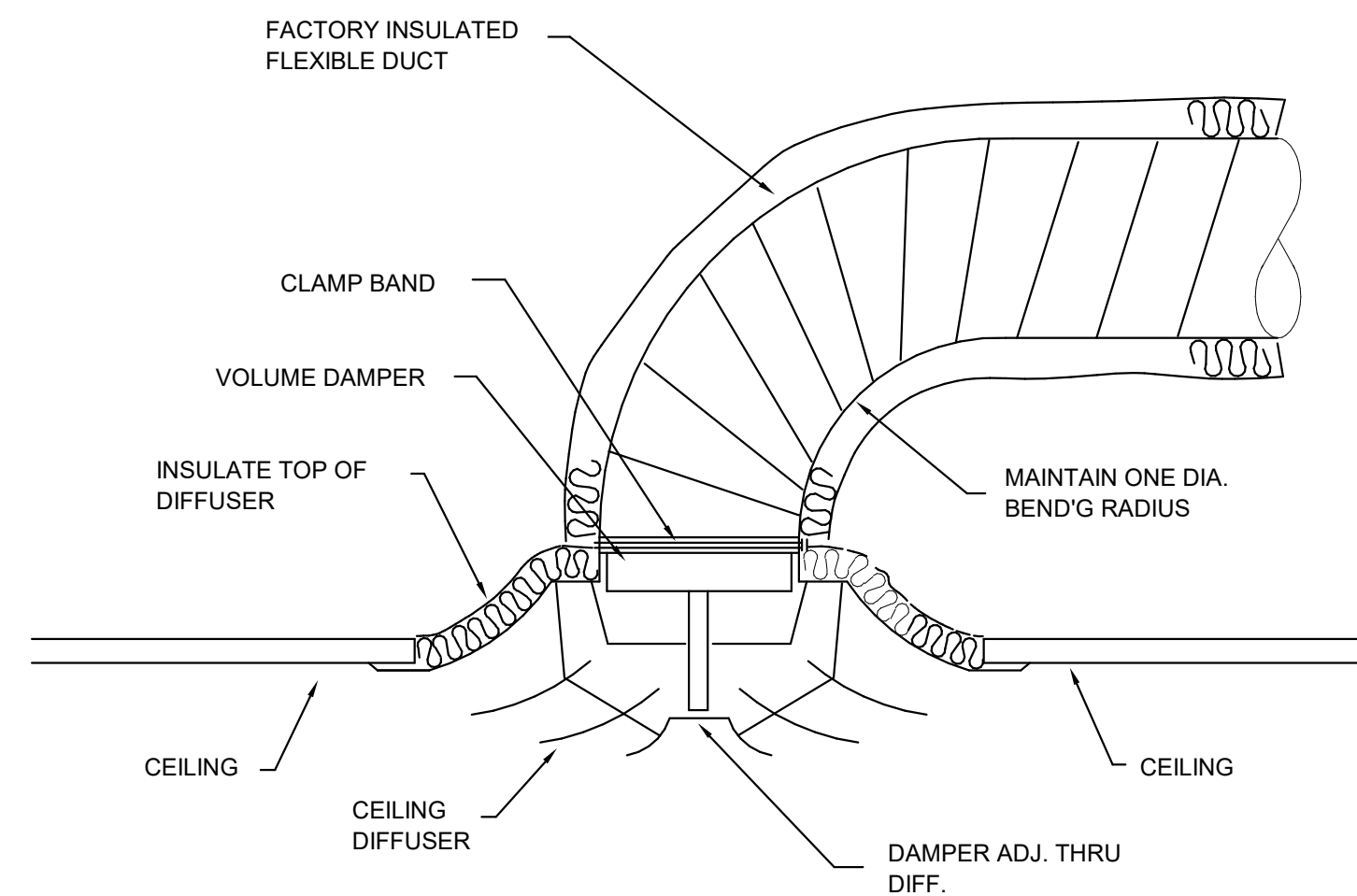
4 SIDEWALL SUPPLY REGISTER DETAIL
N.T.S



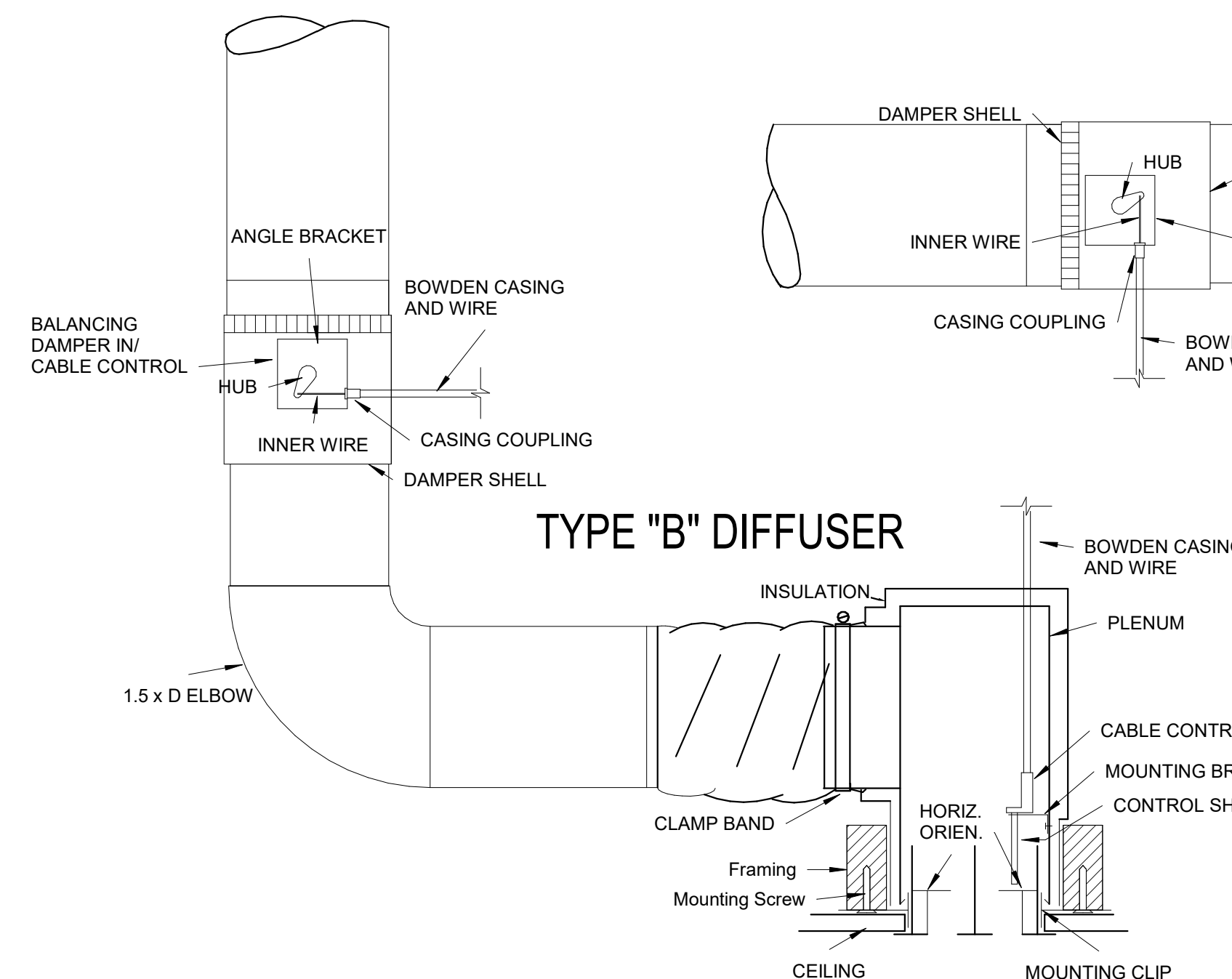
6 TYPE "A" SLOT DIFFUSER DETAIL
6" = 1'-0"



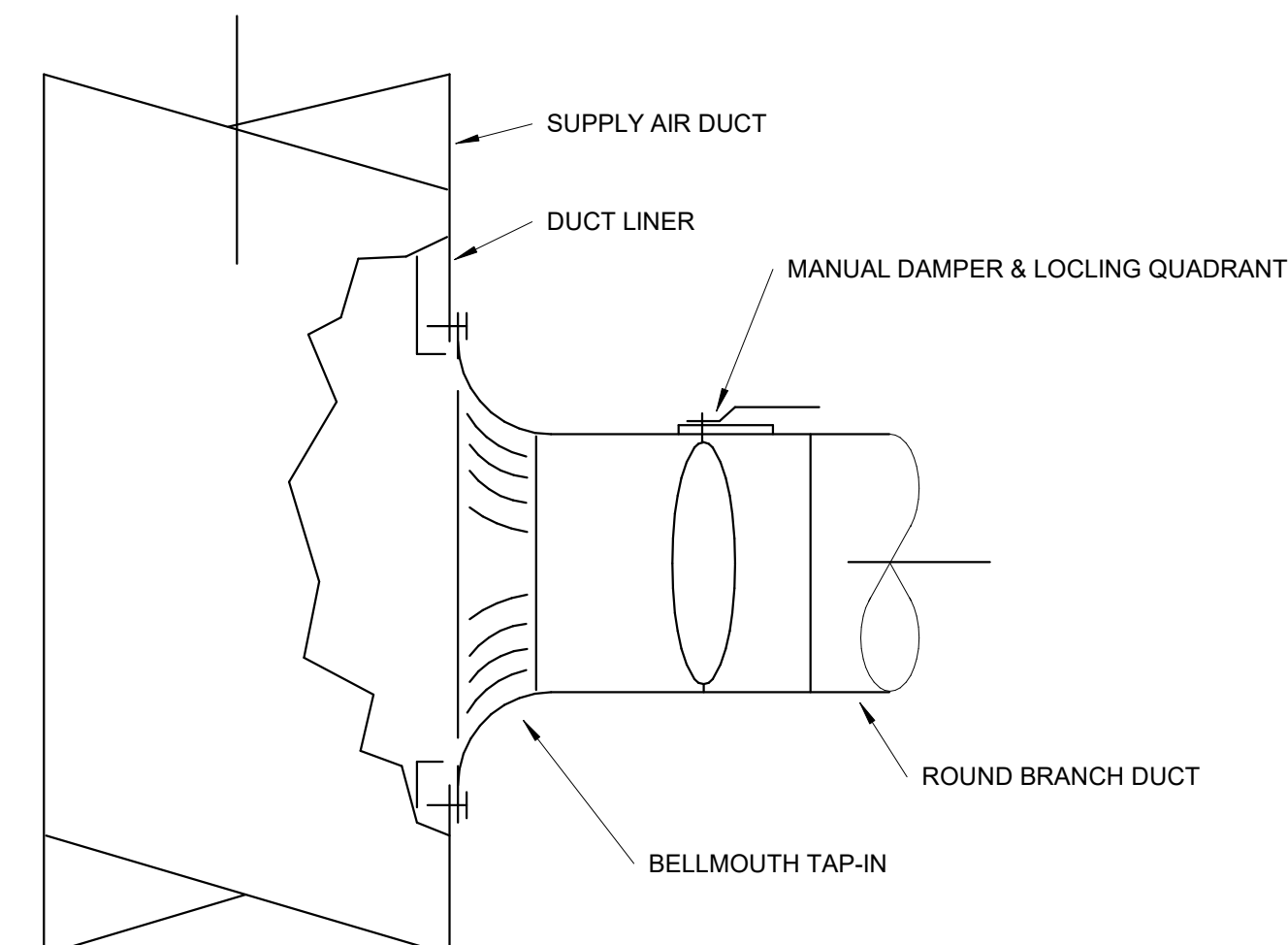
2 ACCESS DOOR DETAIL
N.T.S



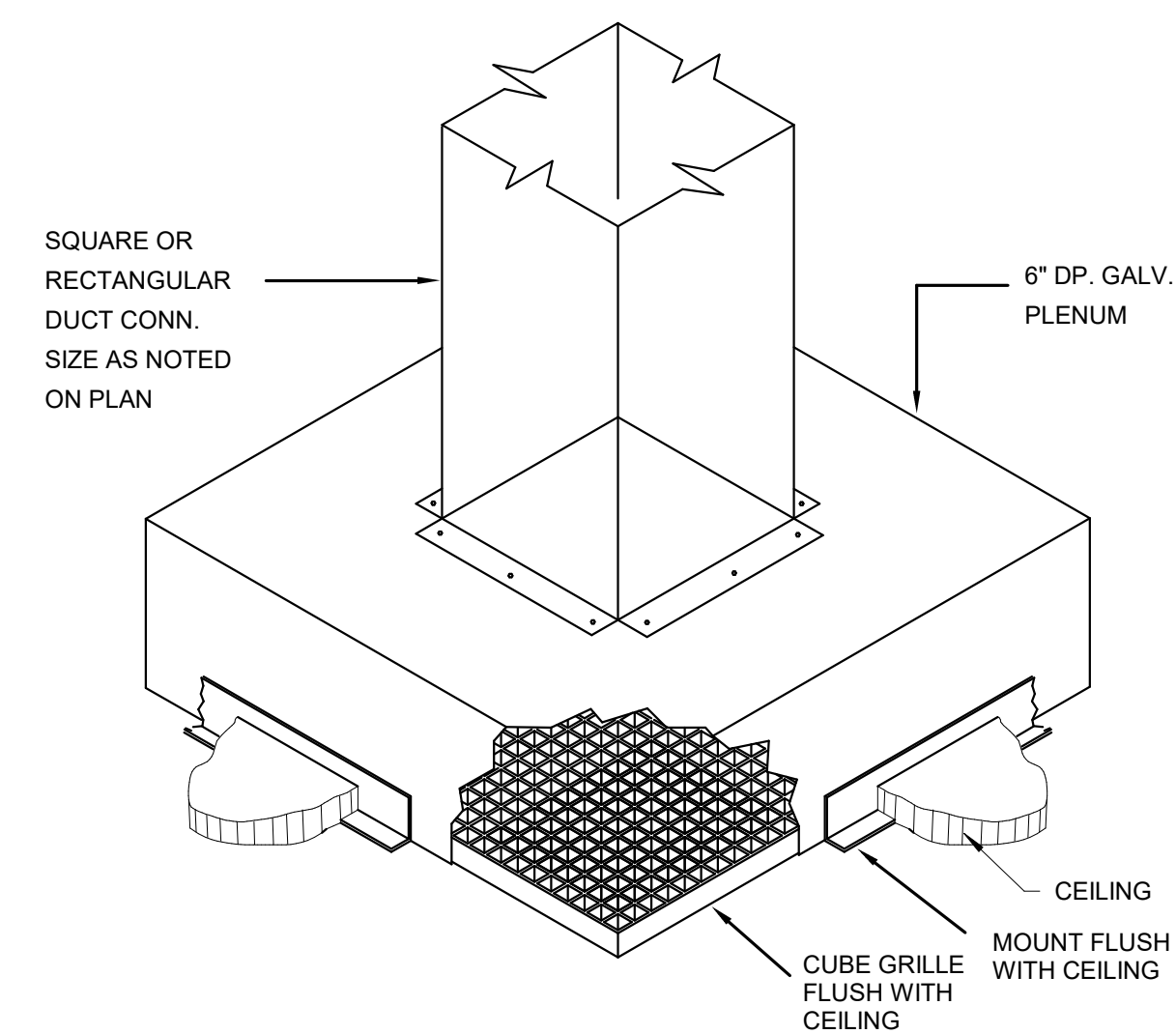
5 SUPPLY DIFFUSER DETAIL
N.T.S



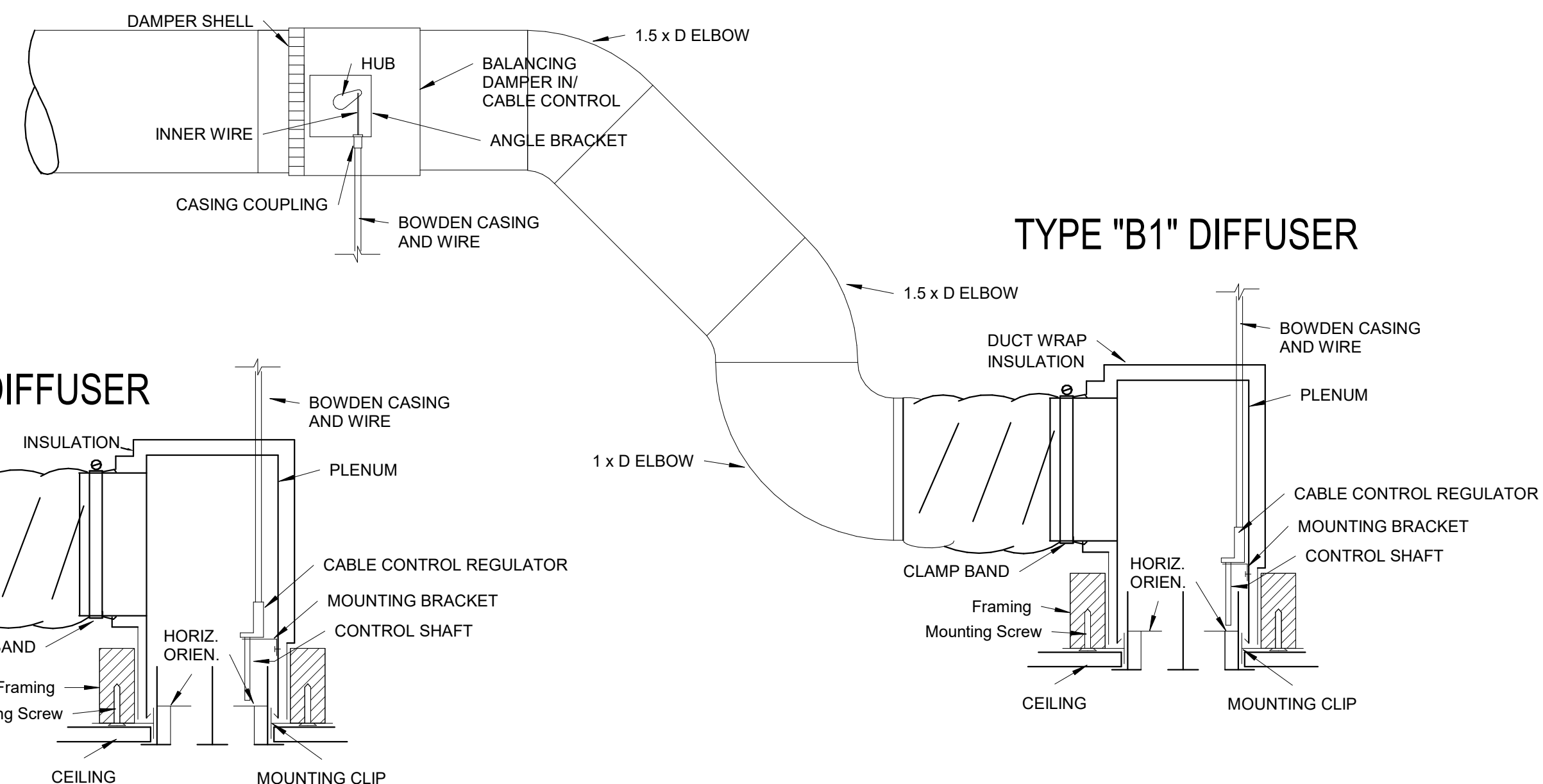
8 TYPE "B" SLOT DIFFUSER DETAIL
6" = 1'-0"



3 BELL MOUTH TAP IN DETAIL
N.T.S



7 CUBE GRILLE DETAIL
N.T.S



8 TYPE "B1" DIFFUSER DETAIL
6" = 1'-0"



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DAAD Project Number:

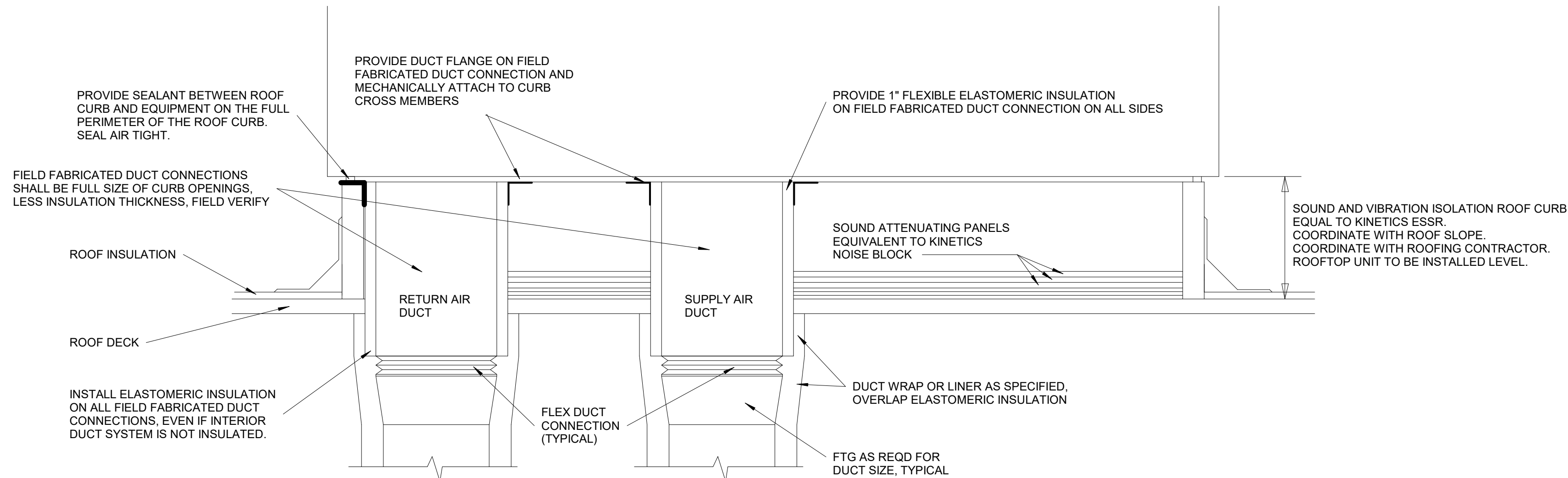
17583

No:	SET:	DATE:
01	CD SET	7-23-21

Drawing:

DETAILS

M-501

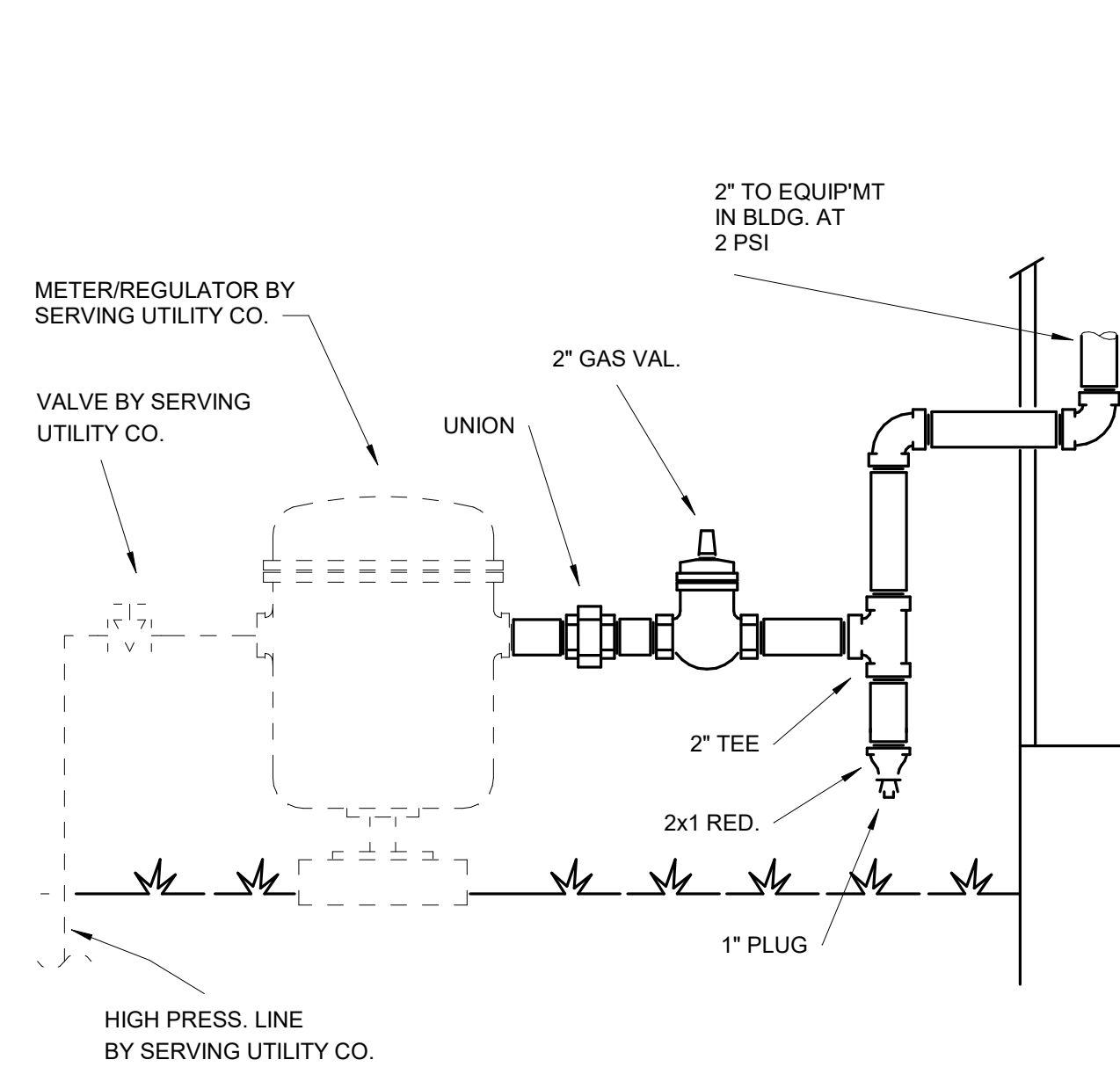


NOTES:

1. COORDINATE DUCT PENETRATIONS THROUGH ROOF WITH ROOFING CONTRACTOR. THE ROOFING CONTRACTOR SHALL PROVIDE ROOF OPENINGS AND ROOF FLASHING AS REQUIRED FOR THE ROOF SYSTEM AND ENSURE A WATER TIGHT ROOF SYSTEM.
2. COORDINATE EQUIPMENT LOCATION AND ROOF PENETRATIONS WITH STRUCTURAL.
3. COORDINATE EQUIPMENT LOCATION WITH ELECTRICAL CONTRACTOR FOR RACEWAY INSTALLATION.
4. PROVIDE MANUFACTURERS RECOMMENDED SERVICE ACCESS. PROVIDE 10'-0" MIN FROM INTAKE HOOD TO PLUMBING, VENTS, GAS REGULATORS AND METERS AND EXHAUST VENTS. MAINTAIN 10'-0" MIN LINEAR DISTANCE FROM ROOF EDGE.
5. G.C. TO PROVIDE RAILING WHERE 10'-0" MIN LINEAR DISTANCE FROM ROOF EDGE CANNOT BE MAINTAINED.
6. SEE SCHEDULED EQUIPMENT AND PLAN VIEWS FOR ACTUAL EQUIPMENT CONFIGURATION AND LAYOUT.
7. THE MECHANICAL CONTRACTOR SHALL COORDINATE EQUIPMENT INSTALLED WEIGHTS EXCEEDING SCHEDULED WEIGHTS WITH STRUCTURAL ENGINEER.
8. THE MECHANICAL CONTRACTOR SHALL REPORT DAMAGED ROOF DECKING TO GENERAL CONTRACTOR PRIOR TO INSTALLING ROOF CURBS.
9. ROOF DECKING SHALL BE AIR AND WATER TIGHT BELOW ROOF CURBS. DUCT PENETRATIONS THROUGH ROOF DECK SHALL BE SEALED WATER AND AIR TIGHT. DEFICENCES SHALL BE REPORTED TO THE GENERAL CONTRACTOR FOR REMEDIATION.
10. SEE PLANS, ELEVATIONS AND DETAILS FOR REQUIRED CONDENSATE DRAIN AND GAS CONNECTIONS.

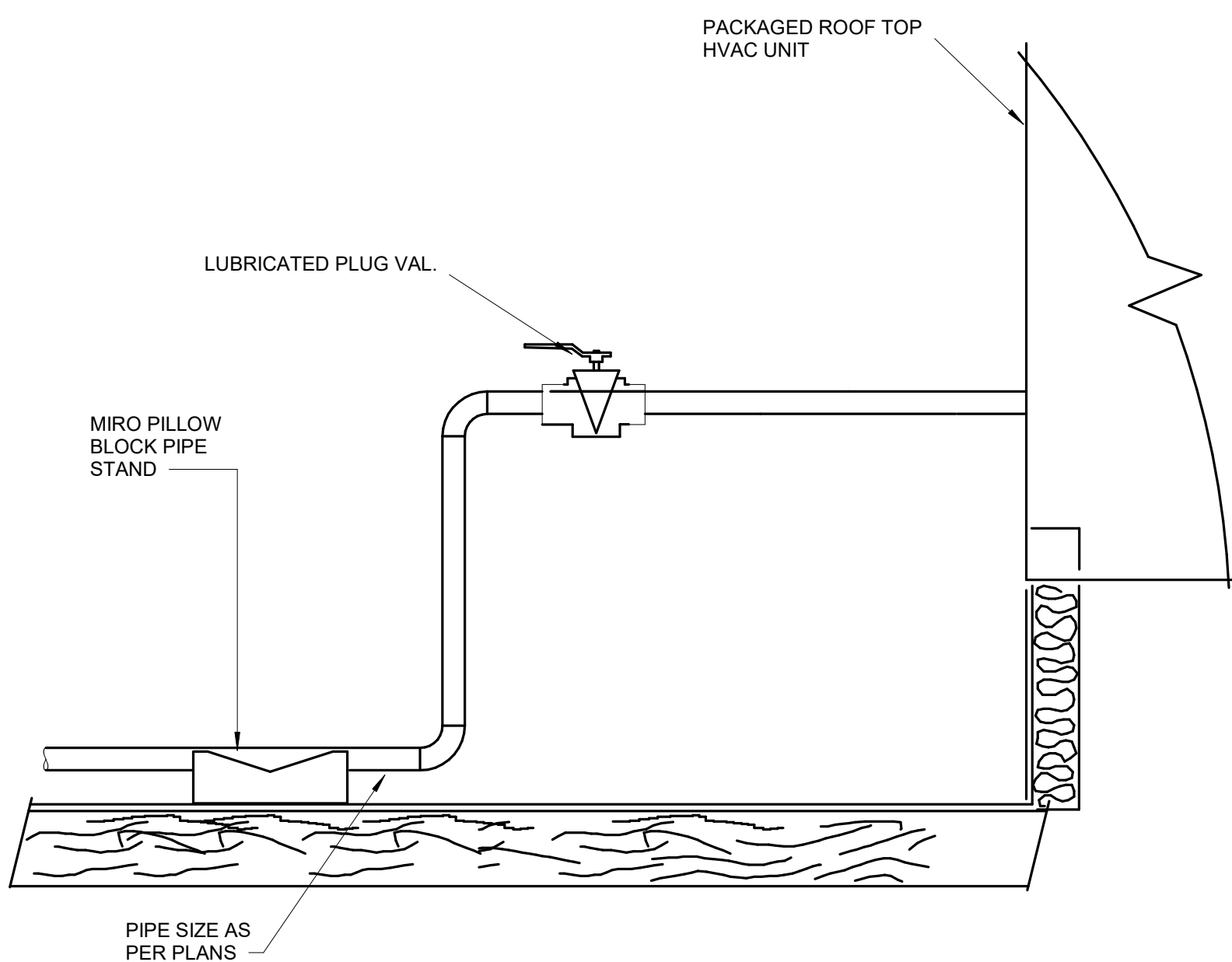
1 TYPICAL ROOF TOP UNIT DETAIL

1/4" = 1'-0"



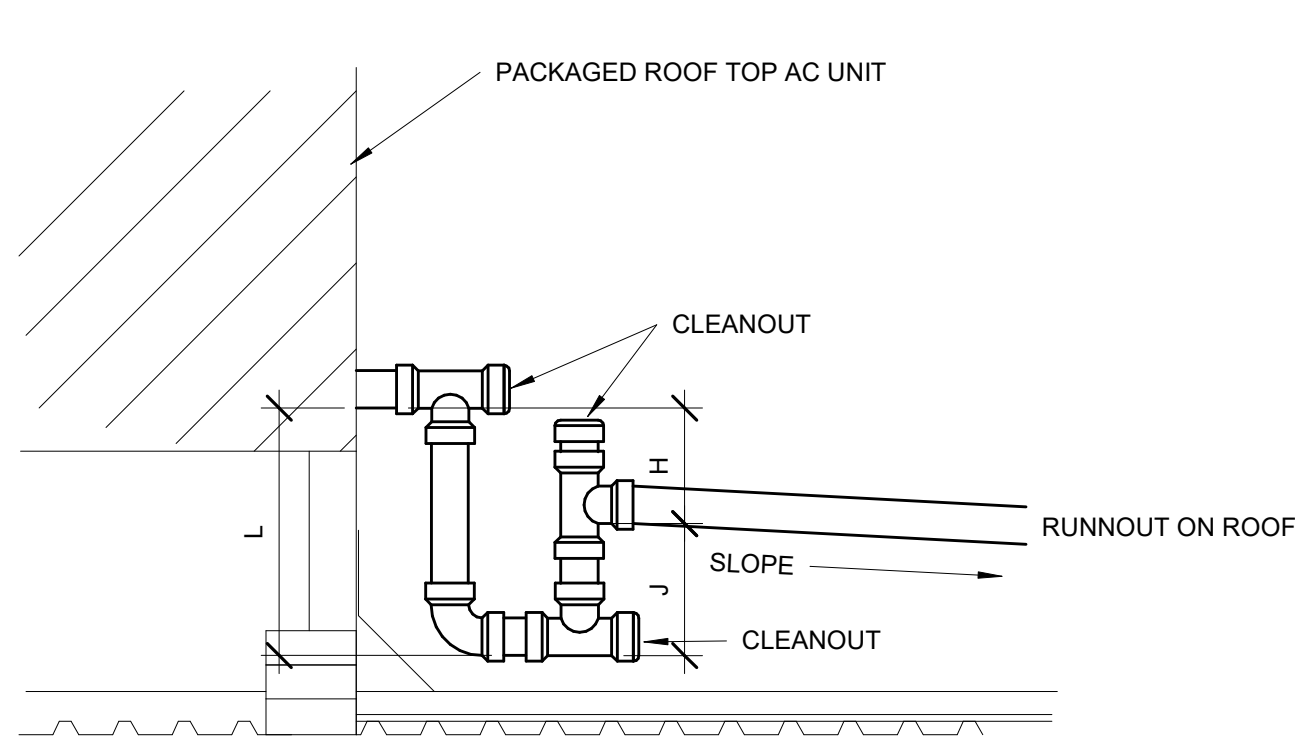
3 NATURAL GAS SERVICE ENTRANCE

12" = 1'-0"



4 RTU GAS CONNECTION

3/8" = 1'-0"



NOTES:

1. INSULATE CONDENSATE DRAIN PIPE PER SPECIFICATIONS.
2. 14" HIGH ROOF CURB AND BLOCKING TO GET DESIRED HEIGHT FOR TRAP INSTALLATION
3. 1 1/4" MIN. PIPE SIZE FOR FIELD INSTALLED CONDENSATE DRAIN PIPE.
4. CONDENSATE DRAIN PIPE SHALL BE ONE PIPE SIZE LARGER THAN DRAIN PAN OUTLET PIPE WHEN DRAIN PAN PIPE OUTLET PIPE IS 1" AND LARGER PIPE SIZE
5. USE THE FOLLOWING FORMULA TO DETERMINE THE COORECT MINIMUM DEPTH FOR CONDENSATE TRAP AT UNITS WHERE THE COOLING COIL IS UNDER A NEGATIVE PRESSURE
 $H = (1" \text{ FOR EACH } 1" \text{ OF MAXIMUM NEGATIVE PRESSURE}) + 1"$
 $J = 1/2 H$
 $L = H + J + \text{PIPE DIAMETER} + \text{INSULATION}$

5 RTU CONDENSATE DRAIN

1/4" = 1'-0"

A New Construction Project:

MSCCM -
Ellis Theater
Renovation

Project Site Address:

311 Byrd Avenue
Philadelphia, MS
39350

DAAD Project Number:

17583

No: SET:
01 CD SET

DATE:
7-23-21

Drawing:

DETAILS

M-502

ROOFTOP UNIT SCHEDULE

MARK	SERVES	DESIGN	MOD. NO.	UNIT	CFM	OSA	ESP	SUPPLY FAN	COND. FAN	COOLING					HOT GAS REHEAT			HEATING			UNIT		UNIT	MAX	REMARKS		
		BASIS		WEIGHT		CFM		QTY/HP	QTY/HP	EDB	EWB	LDB	LWB	MBH	OSA DB/WB	LDB	LWB	MBH	EDB	LDB	MBH IN	MBH OUT				FUEL	FLA
RTU-1	NORTH THEATER	DAIKIN	DPS020A	3770	6,445	1,420	1.00	(1) 7.5	(2) 1.0	78.6	66.7	53.7	53.1	254.1	95 / 78	70.0	58.7	112.5	57.7	99.0	360	288	N. GAS	94.4	109.8	150	1,3,4,5,6,7,8,9,10,11
RTU-2	SOUTH THEATER	DAIKIN	DPS020A	3770	6,012	1,400	1.30	(1) 7.5	(2) 1.0	78.9	67.1	52.4	51.2	253.8	95 / 78	70.0	58.7	111.3	57.0	101.3	360	288	N. GAS	94.4	109.8	150	1,3,4,5,6,7,8,9,10,11
RTU-3	STAGE	DAIKIN	DPS010A	2465	3,700	450	0.70	(1) 4.0	(2) 1.0	77.4	64.2	54.1	54.0	117.9	95 / 78	68.0	60.8	55.5	63.2	103.2	200	160	N. GAS	41.7	46.1	60	1,3,4,5,6,7,8,9,10,11
RTU-4	LOBBY	DAIKIN	DPS005A	1465	860	355	1.25	(1) 4.0	(1) 1/2	82.7	68.5	46.1	50.1	54.5	95 / 78	73.2	57.4	25.2	46.9	115.8	80	64	N. GAS	24.8	27.8	35	1,3,4,5,6,7,8,9,10,11
RTU-5	NOT USED																										
RTU-6	LOBBY	DAIKIN	DPS010A	2465	3,520	665	0.50	(1) 4.0	(2) 1	78.0	66.2	53.0	52.4	121.6	95 / 78	67.8	59.1	56.4	59.4	101.5	200	160	N. GAS	41.7	46.1	60	1,3,4,5,6,7,8,9,10,11
RTU-7	GREEN ROOM	DAIKIN	DPS005A	1465	2,469	390	0.90	(1) 4.0	(1) 1/2	77.3	66.3	56.8	56.2	74.1	95 / 78	69.8	61.4	34.8	61.2	85.2	80	64	N. GAS	27.9	31.6	45	2,3,4,5,6,7,8,9,10, 11,12

1,280

- SIDE DISCHARGE GAS-FIRED, ROOFTOP UNIT WITH 100% OUTSIDE AIR ECONOMIZER, DIRTY FILTER SWITCH, AND 14" HIGH PITCHED, INSULATED, GALVANIZED, ISOLATION ROOF CURB
- DOWNFLOW GAS FIRED ROOFTOP UNIT WITH 100% OUTSIDE AIR ECONOMIZER, DIRTY FILTER SWITCH, AND 14" HIGH PITCHED, INSULATED, GALVANIZED ISOLATION ROOF CURB
- SOUND AND VIBRATION ISOLATION ROOF CURB TO BE EQUAL TO MODEL ESSR BY KINETICS.
- INVERTER DRIVEN SCROLL COMPRESSORS
- DEHUMIDIFICATION CONTROL WITH MODULATING HOT GAS REHEAT.
- UNIT VOLTAGE 208V / 3 PH /60HZ, CONTROL TRANSFORMER, PHASE LOSS PROTECTION FACTORY MOUNTED DISCONNECT AND 115V GFI CONV. RECEPTACLE (UNIT POWERED)
- PROVIDE BACNET MSTP THERMOSTAT WITH IES CLOUD BASED CONTROLS OR EQUAL,
- PROVIDE SPACE CARBON DIOXIDE SENSOR FOR DEMAND CONTROL VENTILATION.
- ACCESS DOORS, ONE SET 2" PLEATED CONSTRUCTION SET OF FILTERS, TURNOVER SET OF 2" MERV 8 PLEATED FILTERS - CONTRACTOR TO PROVIDE R. A. AND S.A. DUCT MOUNTED SMOKE DETECTOR.
- PROVIDE ION GENERATOR WITH MINIMUM GENERATION RATE OF 1500 IONS PER CUBIC CENTIMETER DELIVERED TO SPACE
- MANUFACTURER AND MODEL NUMBERS IN SCHEDULE AND NOTES ARE FOR REFERENCE ONLY AND REPRESENTATIVE OF THE TYPE, QUALITY, AND PERFORMANCE TO BE PROVIDED. PRODUCT SUBSTITUTED FOR THOSE REFERENCED MUST BE AN APPROVED EQUAL
- EQUIPMENT IS AN ADD ALTERNATE

SPLIT SYSTEM AIR HANDLER SCHEDULE

MARK	SERVES	DESIGN BASIS	MOD. NO.	CFM	OSA CFM	EXT. S.P.	FAN HP	TOTAL MBH	SENSIBLE MBH	EDB	EWB	LDB	LWB	HP MBH	HEATER KW	HEATING EDB	HEATING LDB	UNIT VOLT / PH	UNIT MCA	UNIT MOCP	REMARKS
ACU-1	CORRIDORS	LENNOX	CBA25-UHV-060-230	1600	305	0.65	1	52.6	40.4	78.0	63.3	54.6	54.1	35.8	10.0	59.3	99.8	208/1	52.0	60.0	1,2,3,4,5,6,7,8,9,10,11

- SPLIT SYSTEM AIR HANDLER, FACTORY ASSEMBLED AND INSULATED
- CONVERTIBLE FOR HORIZONTAL OR VERTICAL AIR FLOW
- VERTICAL AIRFLOW CONFIGURATION
- MULTISPEED, DIRECT DRIVE CENTRIFUGAL BLOWER
- FACTORY INSTALLED REFRIGERANT COIL AND CONDENSATE DRAIN PAN
- FACTORY INSTALLED FLOW CONTROL CHECK VALVE ASSEMBLY WITH BRAZED CONNECTIONS
- FACTORY INSTALLED ELECTRIC HEATER WITH SINGLE POINT POWER CONNECTION. CONFIGURE FOR AUXILIARY HEAT
- FILTER RACK TO ACCOMMODATE 1" THK., 30% PLEATED FILTER MEDIA
- PROVIDE BACNET MSTP THERMOSTAT WITH IS CLOUD BASED CONTROLS OR EQUAL.
- PROVIDE ION GENERATOR WITH MINIMUM OF 1500 IONS PER CUBIC CENTIMETER DELIVERED TO SPACE
- MANUFACTURER AND MODEL NUMBER ARE FOR REFERENCE ONLY AND REPRESENTATIVE OF THE TYPE, QUALITY, AND PERFORMANCE TO BE PROVIDED. PRODUCT SUBSTITUTED FOR THOSE REFERENCED MUST BE AN APPROVED EQUAL

DUCTLESS SPLIT SYSTEM SCHEDULE

MARK	SERVES	MFG	MOD. NO.	CFM	COOLING						HEATING			VOLTS/PH/FLA	MCA	MOCP	REMARKS
					MBH	MBH S	EDB	EWB	LDB	LWB	MBH	EDB	LDB				
DS-1	ELECTRICAL ROOM	DAIKIN	FTX30nVJU	890	31.4	21.0	80.0	67.0	53.2	51.6	--	--	--	208/110.37			1,3,4,5,6,7
DSCU-1		DAIKIN	RK30NVMJUA		31.4									208/116.87	17	20	9,10,11

- DUCTLESS SPLIT SYSTEM WALL MOUNTED INDOOR UNIT
- INDOOR UNIT POWERED FROM OUTDOOR UNIT
- MULTISPEED INDOOR FAN
- RATINGS CERTIFIED IN ACCORDANCE WITH A.R.I. STANDARD 210/240
- FACTORY CHARGED WITH REFRIGERANT R410A
- WIRELESS REMOTE CONTROLLER
- IN-LINE CONDENSATE PUMP
- NOT USED
- REFRIGERANT LINE SIZE: RL=1/4" RS=5/8"
- SINGLE INDOOR INVERTER COOLING ONLY SYSTEM
- COMPRESSOR TO BE EQUIPPED WITH THE FOLLOWING FEATURES:
 - INTERNAL OVER TEMPERATURE PROTECTION
 - INTERNAL OVER PRESSURE PROTECTION
 - THERMOSTATICALLY CONTROLLED SUMP HEATER
 - CENTRIFUGAL OIL PUMP

FAN SCHEDULE

MARK	MFG.	MOD. NO.	CFM	ESP	HP	RPM	EFF.	FRPM	SONES	MOUNTING	FAN TYPE	DRIVE	REMARKS
EF-1	GREENHECK	GB-120-3	980	0.94	1/3	1725	--	1395	11.6	ROOF	CENTRIF	BELT	1,2,4,5,6,7,8,9,10,11
EF-2	GREENHECK	G-095-D	100	0.52	1/8	1550	--	1550	9.5	ROOF	CENTRIF	DIRECT	1,3,4,5,6,7,9,10,11
EF-3	GREENHECK	G-070-D	75	0.42	1/30	1550	--	1550	4.4	ROOF	CENTRIF	DIRECT	1,3,4,5,6,7,9,10,11
EF-4	GREENHECK	G-095-G	210	0.45	1/25	1300	--	1300	12.5	ROOF	CENTRIF	DIRECT	1,3,4,5,6,7,9,10,11,12

- MANUFACTURER AND MODEL NUMBER ARE FOR REFERENCE ONLY AND REPRESENTATIVE OF THE TYPE, QUALITY, AND PERFORMANCE TO BE PROVIDED. PRODUCT SUBSTITUTED FOR THOSE REFERENCED MUST BE AN APPROVED EQUAL
- CENTRIFUGAL DOWN BLAST, BELT DRIVE, ROOF EXHAUSTER
- CENTRIFUGAL DOWN BLAST, DIRECT DRIVE, ROOF EXHAUSTER
- ALUMINUM HOUSING, BACKWARD INCLINED ALUMINUM WHEEL
- PITCHED INSULATED ROOF CURB WITH DAMPER TRAY
- NEMA 3R DISCONNECT, MOUNTED AND WIRED
- GRAVITY BACKDRAFT DAMPER
- EXTENDED LUBE LINES
- WIRE MESH BIRD SCREEN
- OPEN, DRIP PROOF MOTOR, MINIMUM EFFICIENCIES AS SPECIFIED
- MOTOR VOLTAGE, 120V-1PH
- EQUIPMENT IS AN ADD ALTERNATE

SOUND ATTENUATOR SCHEDULE

MARK	SERVES	DESIGN BASIS	MODEL	CFM	C/L LENGTH	WIDTH	HEIGHT	IN	OUT	MINIMUM DYNAMIC INSERTION LOSS								PD IN. WG	REMARKS
										63	125	250	500	1K	2K	4K	8K		
RA-3	RTU-3 RETURN	KINETICS	12KCES-F3	3335	96	46	16	42"	42"	5	11	30	54	55	56	43	29	0.16	1,2,3

- ELBOW RECTANGULAR SILENCER
- 16 GA CASING, 22 GA. PERFORATED LINING, 1" SLIP FIT CONNECTIONS
- FIBERGLASS ACOUSTIC MEDIA



Dryden

2520 White Avenue
Nashville, TN 37204

615.248.3223
dryden.studio

INTAKE HOOD SCHEDULE

MARK	DESIGN BASIS	MOD. NO.	THROAT AREA	CFM	VELOCITY	STATIC PD. IN.	REMARKS
IH-1	GREENHECK	GRSI-10	0.57	305	535	0.048	1,2,3,4

- SLOPED INSULATED ROOF CURB
- GALVANIZED BIRD SCREEEN
- 24 VOLT, MOTORIZED DAMPER INTERLOCKED WITH ACU-1 TO OPEN WHEN UNIT IS IN OCCUPIED MODE.
- MANUFACTURER AND MODEL NUMBER ARE FOR REFERENCE ONLY AND REPRESENTATIVE OF THE TYPE, QUALITY, AND PERFORMANCE TO BE PROVIDED. PRODUCT SUBSTITUTED FOR THOSE REFERENCED MUST BE AN APPROVED EQUAL

HEAT PUMP SCHEDULE

MARK	DESIGN BASIS	MOD. NO.	MBH	COMP HP	COND. FAN HP	UNIT VOLTS / PH / FLA	UNIT MCA	MAX OCP	LINE SIZE		REMARKS
									RL	RS	
CU-1	LENNOX	ML14XP1-060	52.6	--	--	208 / 3 / --	18.0	30.0	3/8	7/8"	1,2,3,4,5,6,7

- FACTORY PACKAGED COMPRESSOR / HEAT PUMP, U.L. LISTED FOR OUTDOOR USE.
- RATINGS CERTIFIED IN ACCORDANCE WITH A.R.I. STANDARD 210/240
- FACTORY CHARGED WITH REFRIGERANT 410A
- SCROLL COMPRESSOR TO BE EQUIPPED WITH THE FOLLOWING FEATURES:
 - INTERNAL OVER TEMPERATURE PROTECTION
 - INTERNAL OVER PRESSURE PROTECTION
 - THERMOSTATICALLY CONTROLLED SUMP HEATER
 - CENTRIFUGAL OIL PUMP
 - LIQUID LINE FILTER DRYER
- FIELD INSTALLED HEAD PRESSURE CONTROL FOR LOW AMBIENT OPREATION.
- PROPERLY SIZED REFRIGERANT ACCESSORIES TO INCLUDE:
 - THERMAL EXPANSION VALVE
 - LIQUID LINE SIGHT GLASS / MOISTURE INDICATOR
 - SUCTION LINE FILTER / DRYER
- MANUFACTURER AND MODEL NUMBER ARE FOR REFERENCE ONLY AND REPRESENTATIVE OF THE TYPE, QUALITY, AND PERFORMANCE TO BE PROVIDED. PRODUCT SUBSTITUTED FOR THOSE REFERENCED MUST BE AN APPROVED EQUAL

AIR DISTRIBUTION SCHEDULE

MARK	DESIGN BASIS	TYPE	MOD. NO.	FACE	NECK	MOUNTING	CFM	REMARKS
A	PRICE	S	JSP 2 SLOT	48"x11.5"	10"	SURFACE	280	1,2,3
B	PRICE	S	JSP 2 SLOT	48"x11.5"	10"	SURFACE	365	1,2,3
B1	PRICE	S	JSP 2 SLOT	37"x11.5"	10"	SURFACE	365	1,2,3
C	PRICE	S	SDS60 SDB 3 SLOT	48"x4"	8"	SURFACE	SEE PLAN	4,5,
D	PRICE	R	SERIES 96	34"x50"	32X48	SURFACE	3470	4,5,7,
D1	PRICE	R	SERIES 96	22X16	20X14	SIDEWALL	700	4,5,7,
E	PRICE	S	SCD	24x24	6	SURFACE	SEE PLAN	4,5,7,9
F	PRICE	S	SCD	24x24	8	SURFACE	SEE PLAN	4,5,7,9
G	PRICE	S	SCD	24x24	10	SURFACE	SEE PLAN	4,5,7,9
H	PRICE	S	SCD	24x24	12	SURFACE	SEE PLAN	4,5,7,9
J	PRICE	S	SCD	12X12	6	SURFACE	SEE PLAN	4,5,7,9
K	PRICE	S	520 SERIES	12X12	10X10	SURFACE	SEE PLAN	4,5,7
L	PRICE	R	SERIES 96	12X12	10X10	SURFACE	SEE PLAN	5,7
M	PRICE	R	SERIES 80	24x24	22x22	SURFACE	SEE PLAN	4,5,11
N	PRICE	E,T	SERIES 80	24x24	22x22	SURFACE	SEE PLAN	4,5,11
O	PRICE	S	520 SERIES	8X10	8X6	SIDEWALL	SEE PLAN	2,3,5
P	PRICE	R	SERIES 96	8X10	8X6	SIDEWALL	SEE PLAN	5,7
R	PRICE	R	SERIES 96	26X8	24X6	SIDEWALL	SEE PLAN	5,7
S	PRICE	R	SERIES 80	12X12	6X6	SURFACE	SEE PLAN	4,5,11
T	PRICE	S	SDG	14X4	14X4	SIDEWALL	SEE PLAN	4,6,7,12
U	PRICE	T	SERIES 96	18X16	14X16	SIDEWALL	SEE PLAN	2,3,5
V	PRICE	R	SERIES 96	18X12	14X16	SIDEWALL	SEE PLAN	2,3,5
W	PRICE	S	AND	10"	10"	DUCT	247	5,7,9
X	PRICE	R	SERIES 96	62x16	60x14	SIDEWALL	1190	2,3,5
Y	PRICE	R	SERIES 96	48X14	44X16	SIDEWALL	955	2,3,5

- PRICE JS JET SLOT DIFFUSER WITH PLENUM. 48" WITH TWO 2-1/2" SLOTS. DIRECT ONE SLOT TOWARD CENTER OF THEATER, ONE SLOT DOWN WALL
- PRICE JS JET SLOT DIFFUSER WITH PLENUM. LENGTH AS NOTED. TWO 2-1/2" SLOTS. SLOTS TO WASH CEILING
- PROVIDE CABLE CONTROLLED DAMPER UPSTREAM OF GRILLE WITH CONTROLLER MOUNTED IN PLENUM
- VOLUME DAMPER
- WHITE FINISH
- ALUMINUM FINISH
- LOUVERED FACE
- PERFORATED FACE
- 4-WAY THROW UNLESS OTHERWISE NOTED
- FILTER RETURN
- 1/2 x 1/2 CUBE FACE WITH 6" DEEP LINED PLENUM. DUCT SIZE PER PLAN
- AIR SCOOP

S = SUPPLY, R = RETURN, E = EXHAUST

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MSCCM - Ellis Theater Renovation

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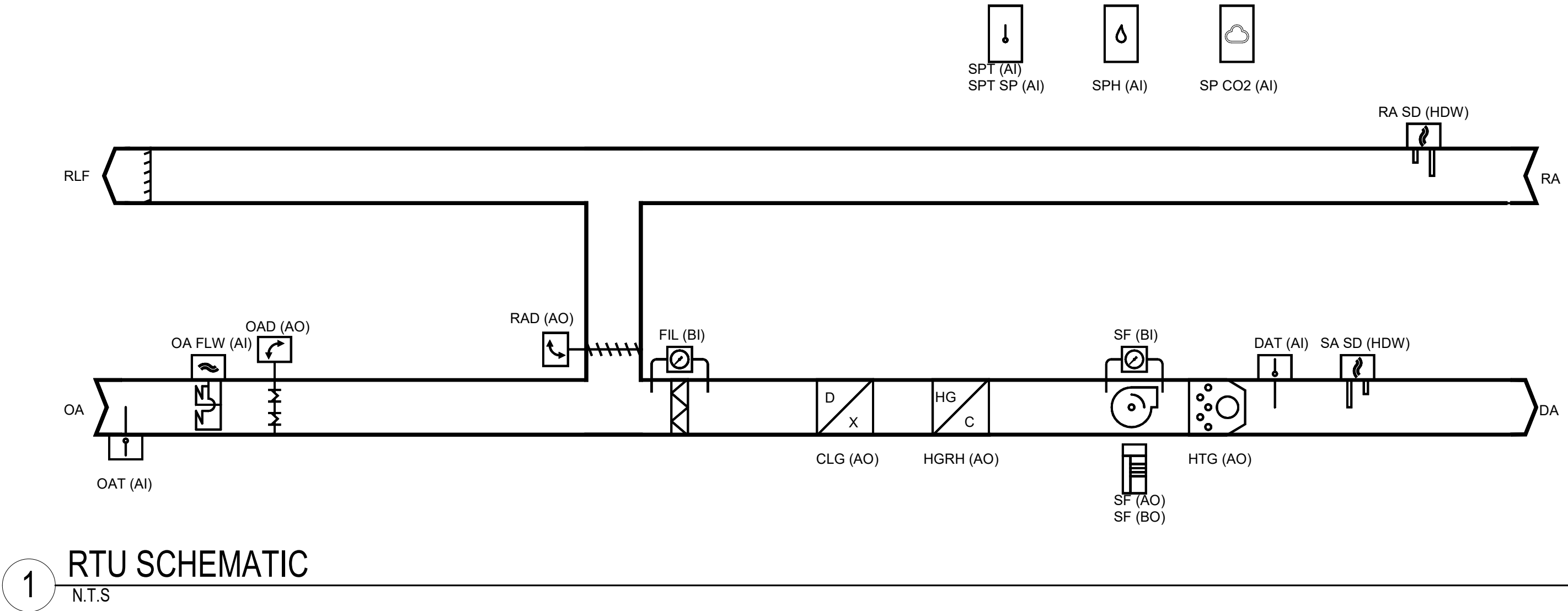
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Drawing:

MECHANICAL SCHEDULES

M-601

Flow Diagram: PACKAGED RTU



1 RTU SCHEMATIC
N.T.S

Sequence of Operations: PACKAGED RTU

Occupied:
During occupied periods, the supply fan shall run continuously, and the mixed air dampers shall open to maintain minimum ventilation requirements. The DX cooling and the gas heat shall control to maintain the active discharge air temperature setpoint. If economizing is enabled, the outdoor air or mixed air dampers shall modulate to maintain the discharge air temperature setpoint and the relief air damper shall track the mixed air dampers. The discharge air temperature setpoint shall be dynamically reset based on the deviation of actual space temperature from the active space temperature setpoint. If the discharge air temperature sensor fails, the DX cooling and the gas heat shall control to maintain the active space temperature setpoint and an alarm shall be sent to the operator via the unit's cloud base interface. If the discharge air temperature sensor and the space temperature sensor fail, the DX cooling shall be disabled, the gas heat shall be disabled, and an alarm shall be sent to the operator via the unit's cloud base interface.

Unoccupied:
When the space temperature is below the unoccupied heating setpoint of 60.0 deg. F (adj.), the supply fan shall be commanded on, the outside air damper shall remain closed and the gas heat shall be enabled. When the space temperature rises above the unoccupied heating setpoint of 60.0 deg. F (adj.) plus the unoccupied differential of 4.0 deg. F (adj.) the supply fan shall stop, and the gas heat shall be disabled. When the space temperature is above the unoccupied cooling setpoint of 85.0 deg. F (adj.) the supply fan shall be commanded on, the outside air damper shall open if economizing is enabled and remain closed if economizing is disabled and the DX cooling shall be enabled. When the space temperature falls below the unoccupied cooling setpoint of 85.0 deg. F minus the Unoccupied differential of 4.0 deg. F (adj.) the supply fan shall stop, the DX cooling shall be disabled, and the outside air damper shall close.

Optimal Start:
The Unit Controller shall monitor the scheduled occupied time, occupied space setpoints and space temperature to calculate when the optimal start occurs.

Morning Warm-Up Mode:
During optimal start, if the space temperature is below the occupied heating setpoint a morning warm-up mode shall be activated. When morning warm-up is initiated the unit shall enable the heating and fan(s). The outside air damper shall remain closed. When the space temperature reaches the occupied heating setpoint (adj.), the unit shall transition to the occupied mode.

Pre-Cool Mode:
During optimal start, if the space temperature is above the occupied cooling setpoint, pre-cool mode shall be activated. When pre-cool is initiated the unit shall enable the fan and cooling or economizer. The outside air damper shall remain closed, unless economizing. When the space temperature reaches occupied cooling setpoint (adj.), the unit shall transition to the occupied mode.

Optimal Stop:
The unit controller shall monitor the scheduled unoccupied time, occupied setpoints and space temperature to calculate when the optimal stop occurs. When the optimal stop mode is active the unit controller shall maintain the space temperature to the space temperature offset setpoint. Outside air damper shall remain enabled to provide minimum ventilation.

Occupied Bypass:
The unit controller shall monitor the status of the ON and CANCEL buttons. When the space temperature sensor. When an occupied bypass request is received from a space sensor, the unit shall transition from its current occupancy mode to occupied bypass mode and the unit shall maintain the space temperature to the occupied setpoints (adj.) Override time is adjustable at the master controller on the unit.

Heat/Cool Mode:
When the space temperature rises above the occupied cooling setpoint the mode shall transition to cooling. When the space temperature falls below the occupied heating setpoint the mode shall transition to heating. When the space temperature is above the occupied cooling setpoint or below the occupied heating setpoint the mode shall remain in its last state. If the space temperature sensor fails, the mode shall remain in its last state and an alarm shall be sent to the operator via the unit's cloud base interface. If the local and communicated setpoints fail the controller shall disable the supply fan and an alarm shall be sent to the operator via the unit's cloud base interface.

Dehumidification:
The unit shall be in dehumidification mode if the space humidity is above the dehumidification setpoint. In the dehumidification mode, the supply air fan shall be enabled, the outside air damper shall be commanded to minimum position, and the unit controller shall energize mechanical cooling and the reheat solenoid. Factory installed hot gas reheat shall allow application of dehumidification. Dehumidification shall be allowed only when the outside air temperature is above 40.0 deg. F and below 100.0 deg. F. The economizer outside air damper shall drive to minimum position during dehumidification. In conjunction with dehumidification, MHGRH shall be used to raise the temperature of the cooled air to a desirable value. MHGRH is comprised of a parallel coil arrangement, with dual reheat valves (which operate in concert with one another) and a check valve. During Dehumidification control with modulating Hot Gas Reheat (MHGRH) an analog signal (0-10Vdc) is controlled as described below.

A PI Loop is used to control the HGRH valves to maintain the Discharge Air Temperature from the reheat coil. Compressor staging during reheat (or dehumidification) will be controlled by the Leaving DX Coil Temperature. For increased dehumidification during reheat, the standard default compressor staging range is 45 - 52°F (Adj.). When dehumidification is active in the Cooling stage, the reheat set point equals the DAT Cooling Setpoint. For DAT units, this is the normal DAT set point resulting from any reset. For Zone Control units, this set point is the result of a PI Loop based on the Control Temperature. Communication with the reheat control valves is accomplished by providing a 0-10Vdc signal to a pair of interface boards which in turn supply the control signal to the reheat valves (step type). In the Fan Only state, no sensible cooling is required, but dehumidification mode will still be enabled if the dew point or humidity sensor is not satisfied. Reheat set point varies from a maximum value (default 65°F Adj) when the Control Temperature is at or below the heating changeover setpoint to a minimum value (default 55°F Adj) when the Control Temperature is at or above the cooling changeover setpoint.

Economizer:
ENABLE (Reference Dry Bulb): Outside air (OA) temperature shall be compared with a reference dry bulb setpoint. The economizer shall enable when the OA temperature is less than reference dry bulb setpoint. The economizer shall be disabled when OA temperature is greater than reference dry bulb setpoint + 2.0 deg. F. OPERATION: The supply air sensor shall measure the dry bulb temperature of the air leaving the evaporator coil while economizing. When economizing is enabled and the unit is operating in the cooling mode, the economizer damper shall modulate between its minimum position and 100% to maintain the space temperature setpoint. Minimum position shall be calculated based on supply fan speed. If the supply air temperature starts to fall below supply air temperature setpoint, the outdoor damper shall be at minimum position. Compressors shall be delayed from operating until the economizer has opened to 100% for 5 minutes.

Ventilation Control:
When the space CO2 level is greater than or equal to the Design Minimum CO2 Setpoint, the outdoor air damper shall open to the Design Minimum Outdoor Air Damper Setpoint. When the space CO2 level is less than or equal to the DCV Minimum CO2 Setpoint, the outdoor air damper shall close to the DCV Minimum Outdoor Air Damper Setpoint. If there is a call for economizer cooling, the damper shall be opened further to satisfy the cooling requirement.

Supply Fan:
The unit controller shall vary the supply fan speed to optimize minimum fan speed in all cooling and heating modes.

Single Zone Variable Air Volume with Space fan and Discharge Air Control

Cooling Mode: The unit's cooling mode of operation is controlled by the control temperature, the change-over temperature, and the discharge air temperature. The unit goes into the cooling mode of operation by analyzing the control temperature. The control temperature for a VAV system is the return (or the space, field selectable) temp temperature. The unit goes into the cooling mode of operation when the control temperature (space or return temperature) is above the change-over setpoint by more than ½ the deadband. When this takes place, the cooling mode of operation will begin and the 1st stage of compressor (VSD compressor) operation will start.

The unit controller will turn ON the next stage of compressor operation, or turn off a stage of compressor operation, to maintain the discharge air temperature setpoint within the deadband and control the supply fan speed based on the space demand (from 33 to 100% Adj). When a compressor stage turns ON, the next compressor stage up or down will not take place for the next 4 minutes. This "4 minutes" is called the stage timer. When a cooling stage is initiated no further operation will take place within the stage timer limit. Reference the Cooling Setup menu for the adjustable stage time value. In the above

Heating Mode: The unit's Heat mode of operation is controlled by the control temperature, the change-over temperature, and the discharge air temperature. The unit goes into the heating mode of operation by analyzing the control temperature. The control temperature for a SZAV system is the return (or the space, field selectable) temp temperature. The unit goes into the heating mode of operation when the control temperature (space or return temperature) is above the change-over setpoint by more than ½ the deadband.

When this takes place, the cooling mode of operation will begin and the 1st stage of heat (Modulating gas heat) operation will start.

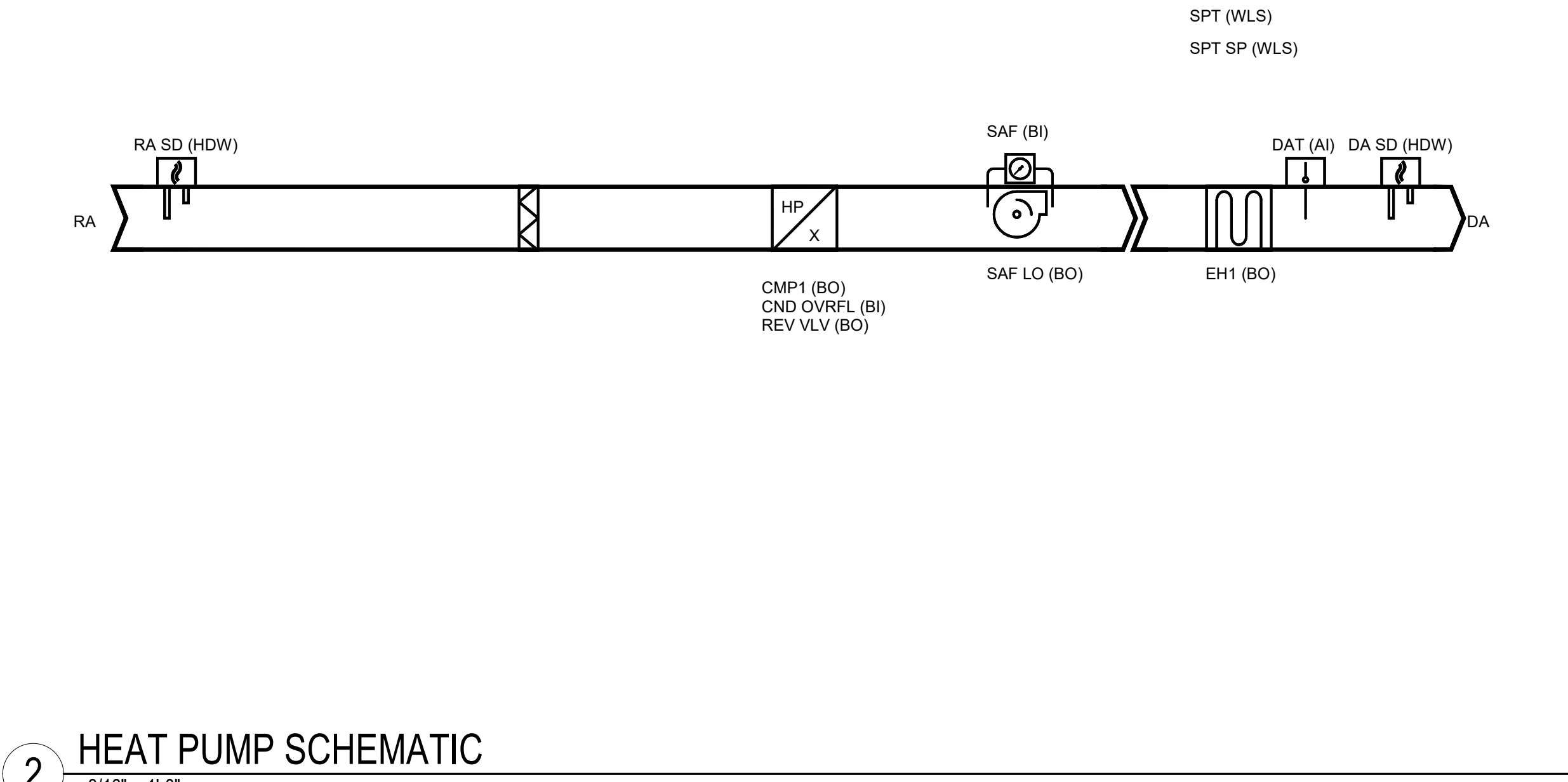
The unit controller will turn ON the next stage (if two stages are available only first stage will be modulating) of heat operation if equipped, or turn off a stage of heat operation, to maintain the discharge air temperature setpoint within the deadband and control the supply fan speed based on the space demand (from 33 to 100% Adj). When a heating stage is initiated no further operation will take place within the stage timer limit.

Relief Air and Building Pressure Control:
The barometric relief dampers shall open with increased building pressure. As the building pressure increases, the pressure in the unit return section also increases, opening the dampers and relieving air.

Filter Status:
A differential pressure switch shall monitor the differential pressure across the filter(s) when the fan is running. If the switch closes during normal operation a dirty filter alarm shall be sent to the operator via the unit's cloud base interface.

Smoke Detector Shutdown:
The unit shall shut down in response to a signal from the smoke detector indicating the presence of smoke. The smoke detector shall be interlocked to the unit through the dry contacts of the smoke detector. A manual reset of the smoke detector shall be required to restart the unit.

Flow Diagram: HEAT PUMP



2 HEAT PUMP SCHEMATIC
3/16" = 1'-0"

Sequence of Operations: Heat Pump

Occupied:
During occupied periods, the supply fan shall run continuously, and the outside air damper shall open to maintain minimum ventilation requirements. The DX heating and cooling shall control to maintain the active space temperature setpoint.

Unoccupied:
When the space temperature is below the unoccupied heating setpoint of 60.0 deg. F (adj.) the supply fan shall start, and the DX heating shall be enabled. When the space temperature rises above the unoccupied heating setpoint of 60.0 deg. F (adj.) plus the unoccupied differential of 4.0 deg. F (adj.) the supply fan shall stop, and the DX heating shall be disabled. When the space temperature is above the unoccupied cooling setpoint of 85.0 deg. F (adj.) the supply fan shall start, the outside air damper shall remain closed, and the DX cooling shall be enabled. When the space temperature falls below the unoccupied cooling setpoint of 85.0 deg. F (adj.) minus the unoccupied differential of 4.0 deg. F (adj.) the supply fan shall stop, the DX cooling shall be disabled, and the outside air damper shall remain closed.

Optimal Start:
The BACnet MSTP Thermostat shall monitor the scheduled occupied time, occupied space setpoints and space temperature to calculate when the optimal start occurs.

Morning Warm-Up Mode:
During optimal start, if the space temperature is below the occupied heating setpoint a morning warm-up mode shall be activated. When morning warm-up is initiated the unit shall enable the heating and supply fan. The outside air damper shall remain closed. When the space temperature reaches the occupied heating setpoint (adj.), the unit shall transition to the occupied mode.

Pre-Cool Mode:
During optimal start, if the space temperature is above the occupied cooling setpoint, pre-cool mode shall be activated. When pre-cool is initiated the unit shall enable the fan and cooling. The outside air damper shall remain closed. When the space temperature reaches occupied cooling setpoint (adj.), the unit shall transition to the occupied mode.

Optimal Stop:
The BACnet MSTP Thermostat shall monitor the scheduled unoccupied time, occupied setpoints and space temperature to calculate when the optimal stop occurs. When the optimal stop mode is active the unit controller shall maintain the space temperature to the space temperature offset setpoint. Outside air damper shall remain enabled to provide minimum ventilation.

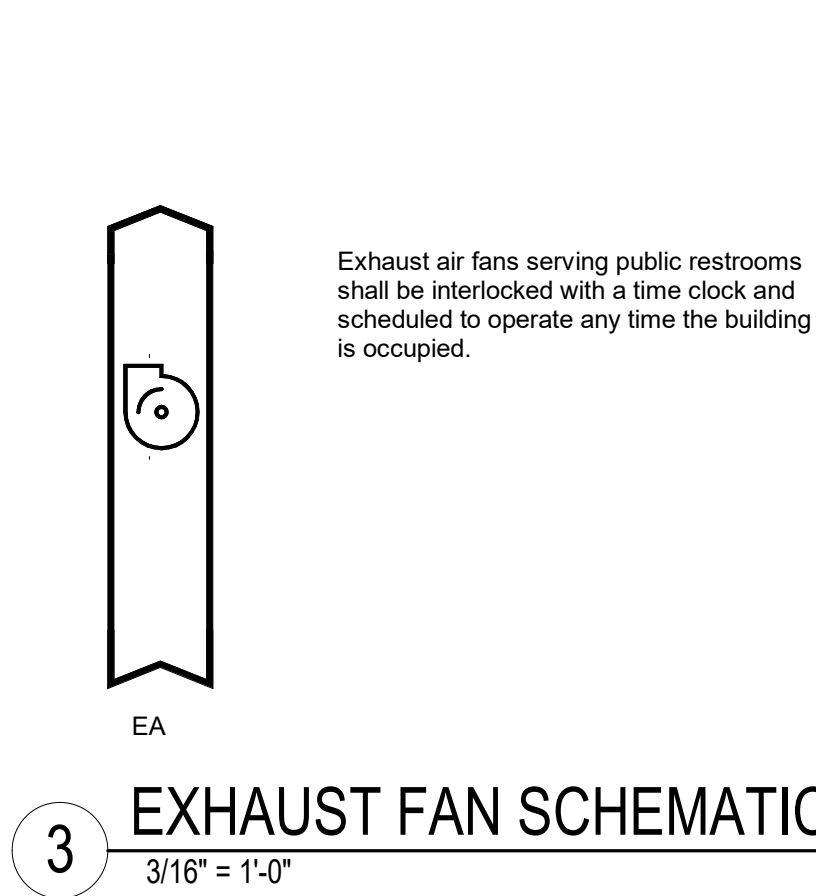
Occupied Bypass:
The BACnet MSTP Thermostat shall monitor the status of the ON and CANCEL buttons of the space temperature sensor. When an occupied bypass request is received from a space sensor, the unit shall transition from its current occupancy mode to occupied bypass mode and the unit shall maintain the space temperature to the occupied setpoints (adj.).

Cooling Mode:
The BACnet MSTP Thermostat shall use space temperature and space temperature setpoint to determine when to stage the cooling. When the space temperature rises above the setpoint, the unit controller shall stage the DX cooling as required to maintain the space temperature setpoint. When the space temperature falls below the setpoint the controller shall disable DX cooling.

Heating Mode:
The BACnet MSTP Thermostat shall use the space temperature and space temperature setpoint to determine when to initiate requests for heat. When the space temperature drops below the setpoint, the unit controller shall enable DX heating to maintain the space temperature setpoint. Once the space temperature rises above the setpoint the DX heating shall be disabled. The supplemental electric heat is cycled on as the last stage of heating. Supplemental electric heat shall operate concurrently with the DX heating, as needed, to maintain space temperature.

Supply Fan:
The supply fan shall be enabled while in the occupied mode and cycled on during the unoccupied mode.

Flow Diagram: EXHAUST FAN



3 EXHAUST FAN SCHEMATIC
3/16" = 1'-0"

A New Construction Project:

MSCCM -
Ellis Theater
Renovation

Project Site Address:

311 Byrd Avenue
Philadelphia, MS
39350

DAAD Project Number:

17583

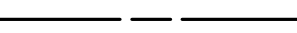
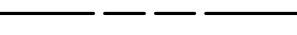
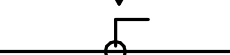
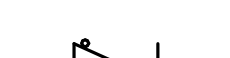
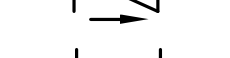
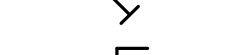
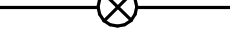
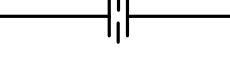
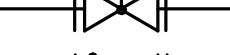
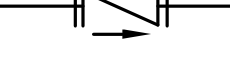
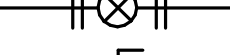
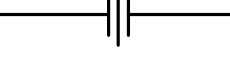
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Drawing:

HVAC SEQUENCES OF
OPERATION

M-701

LEGEND

	SANITARY SEWER		GATE VALVE
	STORM DRAIN		GLOBE VALVE
	DOMESTIC WATER		GAS COCK
	HOT WATER		BALL VALVE
	HOT WATER RETURN		CHECK VALVE
	PROCESS SEWER		STRAINER
	PROCESS EFFLUENT		BALANCING VALVE
	PROCESS WATER		CIRCUIT SENSOR
	PIPE TURN DOWN		FLANGED GATE VALVE
	PIPE TURN UP		FLANGED GLOBE VALVE
	TEE TURNING DOWN		FLANGED CHECK VALVE
	TEE TURNING UP		FLANGED STRAINER
	BREAK IN PIPING		FLANGED GAS COCK
	CONNECTION TO EXISTING PIPING		FLANGED BALL VALVE
	INDICATES PIPING TO RECEIVE INSULATION. SEE SPECIFICATIONS FOR TYPE AND THICKNESS		FLANGED BALANCING VALVE
			BUTTERFLY VALVE
			THERMOMETER AND WELL
			PRESSURE GAUGE
			CONCENTRIC REDUCER
			ECCENTRIC REDUCER

STANDARD ABBREVIATIONS

A/G	- ABOVE GROUND	FBO	- FURNISHED BY OTHERS	P	- PUMP
ABV	- ABOVE	FCO	- FLOOR CLEAN OUT	PLBG	- PLUMBING
ACC	- AIR COOLED CHILLER	FCU	- FAN COIL UNIT	PRDV	- PRESSURE REDUCING VALVE
ACU	- AIR CONDITIONING UNIT	FD	- FLOOR DRAIN (PLUMBING)	PRLV	- PRESSURE RELIEF VALVE
AD	- ACCESS DOOR	FD	- FIRE DAMPER (MECHANICAL)	PTAC	- PACKAGED TERMINAL AIR CONDITIONER
AE	- AIR EXTRACTOR	FGCO	- FLUSH GRADE CLEAN OUT	PTU	- PACKAGED TERMINAL UNIT
AFF	- ABOVE FINISHED FLOOR	FLG	- FLANGE, FLANGED	PVC	- POLYVINYLCHLOIDE
AHU	- AIR HANDLING UNIT	FPHB	- FROST PROOF HOSE BIBB	PW	- POTABLE WATER
ARU	- AIR ROTATION UNIT	FTU	- FAN POWERED VAV TERMINAL UNIT	RD	- ROOF DRAIN
AAV	AIR ADMITTANCE VALVE	FWE	- FURNISHED WITH EQUIPMENT	RL	- REFRIGERANT LIQUID LINE
				RS	- REFRIGERANT SUCTION LINE
BVFL	- BUTTERFLY VALVE, LUGGED TYPE	GC	- GENERAL CONTRACTOR	RTU	- ROOF TOP AIR CONDITIONER
BFV	- BUTTERFLY VALVE, WAFER TYPE	GDF	- GAS DUCT FURNACE	S	- SINK
BFP	- BACKFLOW PREVENTER	GDH	- GAS DUCT HEATER	SA	- SHOCK ABSORBER
BOP	- BOTTOM OF PIPE	GF	- GAS FURNACE	SD	- SPLITTER DAMPER
		GWH	- GAS WATER HEATER	SF	- SUPPLY FAN
CB	- CATCH BASIN	GRH	- GRAVITY RELIEF HOOD	SHU	- SPACE HEATING UNIT
CH	- CHILLER			SMKD	- SMOKE DAMPER
CHW	- CHILLED WATER	H	- HUMIDIFIER	SS	- SERVICE SINK
CHWP	- CHILLED WATER PUMP	HB	- HOSE BIBB	SSTL	- STAINLESS STEEL
CI	- CAST IRON	HW	- HEATING WATER	STL	- STEEL
CT	- COOLING TOWER	HWUH	- HOT WATER UNIT HEATER	STM	- STEAM
CTW	- COOLING TOWER WATER	HX	- HEAT EXCHANGER		
CU	- COPPER			TOP	- TOP OF PIPE
CV	- CONTROL VALVE	IH	- INTAKE HOOD	TOS	- TOP OF STEEL
CW	- CONDENSER WATER	IL	- INTAKE LOUVER	TWU	- THROUGH WALL UNIT
CWP	- CONDENSER WATER PUMP	IRH	- INFRARED HEATER		
		L	- LAVATORY (PLUMBING)	U	- URINAL
D	- DAMPER	L	- LOUVER (MECHANICAL)	U/G	- UNDERGROUND
DIP	- DUCTILE IRON PIPE	LPG	- LIQUEFIED PETROLEUM GAS	UON	- UNLESS OTHERWISE NOTED
DVV	- DRAIN WASTE VENT			UH	- UNIT HEATER
DCW	- DOMESTIC (POTABLE) COLD WATER	MC	- MECHANICAL CONTRACTOR	VAL	- VALVE
DHW	- DOMESTIC (POTABLE) HOT WATER	MH	- MAN HOLE	VAV	- VARIABLE AIR VOLUME TERMINAL UNIT
		MD	- MOTORIZED DAMPER	VD	- VOLUME DAMPER
EC	- ELECTRICAL CONTRACTOR	NEC	- NATIONAL ELECTRICAL CODE	VT	- VENT
EDF	- ELECTRIC DRINKING FOUNTAIN	NG	- NATURAL GAS	VTR	- VENT THROUGH ROOF
EDH	- ELECTRIC DUCT HEATER	NIC	- NOT IN CONTRACT		
EF	- EXHAUST FAN	NRS	- NON RISING STEM	WC	- WATER CLOSET
EH	- EXHAUST HOOD	OWS	- OIL WATER SEPARATOR	WCO	- WALL CLEAN OUT
EL	- EXHAUST LOUVER	OSY	- OUTSIDE SCREW AND YOKE	WF	- WASH FOUNTAIN
EUH	- ELECTRIC UNIT HEATER			WH	- WATER HEATER
EWI	- ELECTRIC WATER HEATER				
EWSH	- EMERGENCY EYE WASH / SHOWER				

PLUMBING DRAWING INDEX				
SHEET #	SHEET TITLE	Current Revision	Current Revision Date	Current Revision Description
P.001	PLUMBING LEGEND AND SCHEDULE	01	08/11/21	CD Set
P.101	PLUMBING FIRST FLOOR SANITARY	01	08/11/21	CD Set
P.102	PLUMBING FIRST FLOOR DOMESTIC WATER	01	08/11/21	CD Set
P.201	PLUMBING SECOND FLOOR SANITARY	01	08/11/21	CD Set
P.207	Unnamed			
P.208	Unnamed			
P.209	Unnamed			
P.401	ENLARGED PLUMBING PLANS SANITARY	01	08/11/21	CD Set
P.402	ENLARGED PLUMBING PLANS DOMESTIC WATER	01	08/11/21	CD Set
P.403	PLUMBING ISOMETRIC DRAWINGS	01	08/11/21	CD Set
P.404	PLUMBING ISOMETRIC DRAWINGS	01	08/11/21	CD Set
P.501	PLUMBING DETAILS	01	08/11/21	CD Set
P.502	PLUMBING DETAILS	01	08/11/21	CD Set

PLUMBING FIXTURE SCHEDULE									
SYMBOL	MANUFACTURER	MOD. NO.	MOUNTING	WST.	VNT.	CW.	HW.	REMARKS	
WC-1	KOHLER	K-96053-B	FLOOR	4"	2"	1"	-	WATER CLOSET, WHITE VITREOUS CHINA W/ 6147SM161.002 SENSOR OPERATED FV OPEN FRONT SEAT #K-4670-C	
WC-2	KOHLER	K-96057-B	FLOOR	4"	2"	1"	-	WATER CLOSET, WHITE VITREOUS CHINA W/ 6147SM161.002 SENSOR OPERATED FV AND KOHLER K-4670-C WHITE SEAT RIM 18" AFF FOR HANDICAP USE	
U-1	KOHLER	K-5452-ET	WALL	2"	2"	3/4"	-	URINAL, WHITE VITREOUS CHINA W/ 6145SM101.002 SENSOR OPERATED FV AND ZURN 1221 CARRIER	
U-1H	KOHLER	K-5452-ET	WALL	2"	2"	3/4"	-	URINAL, WHITE VITREOUS CHINA W/ 6145SM101.002 SENSOR OPERATED FV MOUNT FLUSH VAL. HANDLE IN FRONT AND ZURN 1221 CARRIER RIM MTD. AT 17" A.F.F. FOR HANDICAP USE	
L-1	KOHLER	K-2241-4-0	COUNTER TOP	1 1/4"	2"	1/2"	1/2"	LAVATORY, WHITE VITREOUS CHINA 250B.105 LEAD LAW COMPLIANT BATTERY POWER SENSOR FCT,McGUIRE #2165 SUPPLIES, #155-WC OFFSET STRAINER, #8872 1 1/4" P-TRAP INSULATE WATER SUPPLY LINES AND DRAIN LINE PER ADA WITH "HANDI-LAV" PLASTIC COVERS	
L-2	KOHLER	K-2032-0	WALL	1 1/4"	2"	1/2"	1/2"	LAVATORY, WHITE VITREOUS CHINA 250B.105 LEAD LAW COMPLIANT BATTERY POWER SENSOR FCT,McGUIRE #2165 SUPPLIES, #155-WC OFFSET STRAINER, #8872 1 1/4" P-TRAP INSULATE WATER SUPPLY LINES AND DRAIN LINE PER ADA WITH "HANDI-LAV" PLASTIC COVERS RIM HEIGHT 34", ZURN 1231 CARRIER	
S-1	ELKAY	CHSB1716C	WALL	2"	2"	1/2"	1/2"	SINGLE COMPARTMENT SINK, STAINLESS STEEL SINK W/ LKB400 FAUCET, LKB8 DRAIN McGUIRE #2165 SUPPLIES, #151 STRAINER #8912 1 1/2" P-TRAP,	
SS-1	WILLIAMS	MTB 2424	FLOOR	3"	2"	3/4"	3/4"	SERVICE SINK, 24"x24"x10" MOLDED STONE W/ K-8908 FAUCET	
FD-1	J.R. SMITH	2010-A-94	FLOOR	-	-	-	-	FLOOR DRAIN W/ 5" ROUND NICKEL BRONZE STRAINER SPEEDI-SET OUTLET W/ PROSET TRAP GUARD SIZE AS SHOWN ON PLAN	
FS-1	ZURN	Z1910-2	FLOOR	3"	-	-	-	FLOOR SINK 8"x8"x6" DEEP CAST IRON BODY AND SQUARE, MEDIUM DUTY (3/4) GRATE WITH SLOTTED OPENINGS. WHITE ACID RESISTING PORCELAIN ENAMEL INTERIOR AND TOP, WITH ABS ANTI-SPLASH INTERIOR BOTTOM DOME STRAINER.	
FCO	J.R. SMITH	4151	FLOOR	-	-	-	-	FLOOR CLEANOUT FOR USE IN TILE FLOORS SPEEDI-SET OUTLET SIZE AS SHOWN ON PLAN	
FGCO	J.R. SMITH	4231	GRADE	-	-	-	-	FLUSH GRADE CLEANOUT W/ 18"x18"x4" CONCRETE PAD HEAVY DUTY CAST IRON TOP SPEEDI-SET OUTLET SIZE AS SHOWN ON PLAN	
WCO	J.R. SMITH	4472	WALL	-	-	-	-	WALL CLEANOUT PLUG & COVER FOR USE IN SANITARY TAP TEE SIZE AS SHOWN ON PLAN	
BFP	WATTS	909M1-QT-S		-	-	2"	-	REDUCES PRESSURE ZONE BACKFLOW ASSEMBLY WITH D STRAINER	

WATER HEATER SCHEDULE											
MARK	MFG.	MOD. NO.	GALLONS CAPACITY	ELEMENT WATTAGE	BTUH INPUT	GPH	THERMOSTAT SETPOINT(F)	FUEL TYPE	FLUE SIZE	VOLT / PH / AMPS	REMARKS
WH-1	EEMAX	SPEX75	--	5,600		38°F @ 1 GPM	--	ELEC.		208V /1PH /27A	1,2,3,4,5,9
WH-2	EEMAX	SPEX75	--	5,600		38°F @ 1 GPM	--	ELEC.		208V /1PH /27A	1,2,3,4,5,9
WH-3	EEMAX	SPEX75	--	5,600		38°F @ 1 GPM	--	ELEC.		208V /1PH /27A	1,2,3,4,5,9
WH-4	BRADFORD WHITE	E120U6	19	1,500		7 GPH @ 90°F	120	ELEC.		120V /1PH /12.5A	6,7,8,9,10
WH-5	BRADFORD WHITE	E120U6	19	1,500		7 GPH @ 90°F	120	ELEC.		120V /1PH /12.5A	6,7,8,9,10

- ELECTRIC NON-THERMOSTATIC TANKLESS WATER HEATER
- REPLACEABLE CARTRIDGE ELEMENT
- INTEGRATED FLOW METER FOR ACCURATE TURN ON/OFF FLOW RATE
- 3/8" COMPRESSION FITTINGS
- LISTED BY UNDERWRITERS LABORATORIES, U.L. LABEL
- TANK TYPE STORAGE WATER HEATER
- SURFACE MOUNTED, AUTOMATIC THERMOSTAT
- FACTORY INSTALLED TEMPERATURE AND PRESSURE RELIEF VALVE
- MAXIMUM HYDROSTATIC WORKING PRESSURE 150 PSI
- ANODE ROD(S) AND DRAIN VALVE



Dryden

2520 White Avenue
Nashville, TN 37204

615.248.3223
dryden.studio



A New Construction Project:

MSCCM -
Ellis Theater
Renovation

Project Site Address:

311 Byrd Ave.
Philadelphia, MS
39350

DAAD Project Number:

17583

No: 01 SET: CD Set DATE: 08/11/21

Drawing:

PLUMBING LEGEND AND
SCHEDULE

P.001

GENERAL NOTES

- COORDINATE ROUTING OF PIPING AND EQUIPMENT WITH ALL TRADES PRIOR TO BEGINNING CONSTRUCTION.
- COORDINATE REQUIREMENTS FOR ALL WALL AND FLOOR PENETRATIONS WITH STRUCTURAL ENGINEER.
- PLUMBING CONTRACTOR RESPONSIBLE FOR ALL SANITARY WASTE, DOMESTIC WATER PIPING INSIDE BUILDING TO FIVE FEET OUTSIDE BUILDING FOOTPRINT. CONTINUATION OF UTILITIES PAST FIVE FEET OUTSIDE BUILDING BY SITE UTILITY CONTRACTOR.
- REVIEW ARCHITECTURAL LIFE SAFETY PLANS FOR LOCATIONS OF RATED ASSEMBLIES. PROVIDE FIRE CAULK, AS REQUIRED, FOR ALL RATED PENETRATIONS.

NOTES

- SEE SHEET P.001 FOR FIXTURE SCHEDULE, WATER HEATER SCHEDULE AND PLUMBING LEGEND AND ABBREVIATIONS.
- SEE SHEET P.102 FOR FIRST FLOOR DOMESTIC WATER.
- SEE SHEET P.201 FOR SECOND FLOOR PLUMBING.
- SEE SHEET P.401 AND P.402 FOR ENLARGED PLUMBING PLANS.
- SEE SHEET P.403 AND P.404 FOR PLUMBING ISOMETRIC DRAWINGS.
- SEE SHEET P.501 AND P.502 FOR PLUMBING DETAILS.



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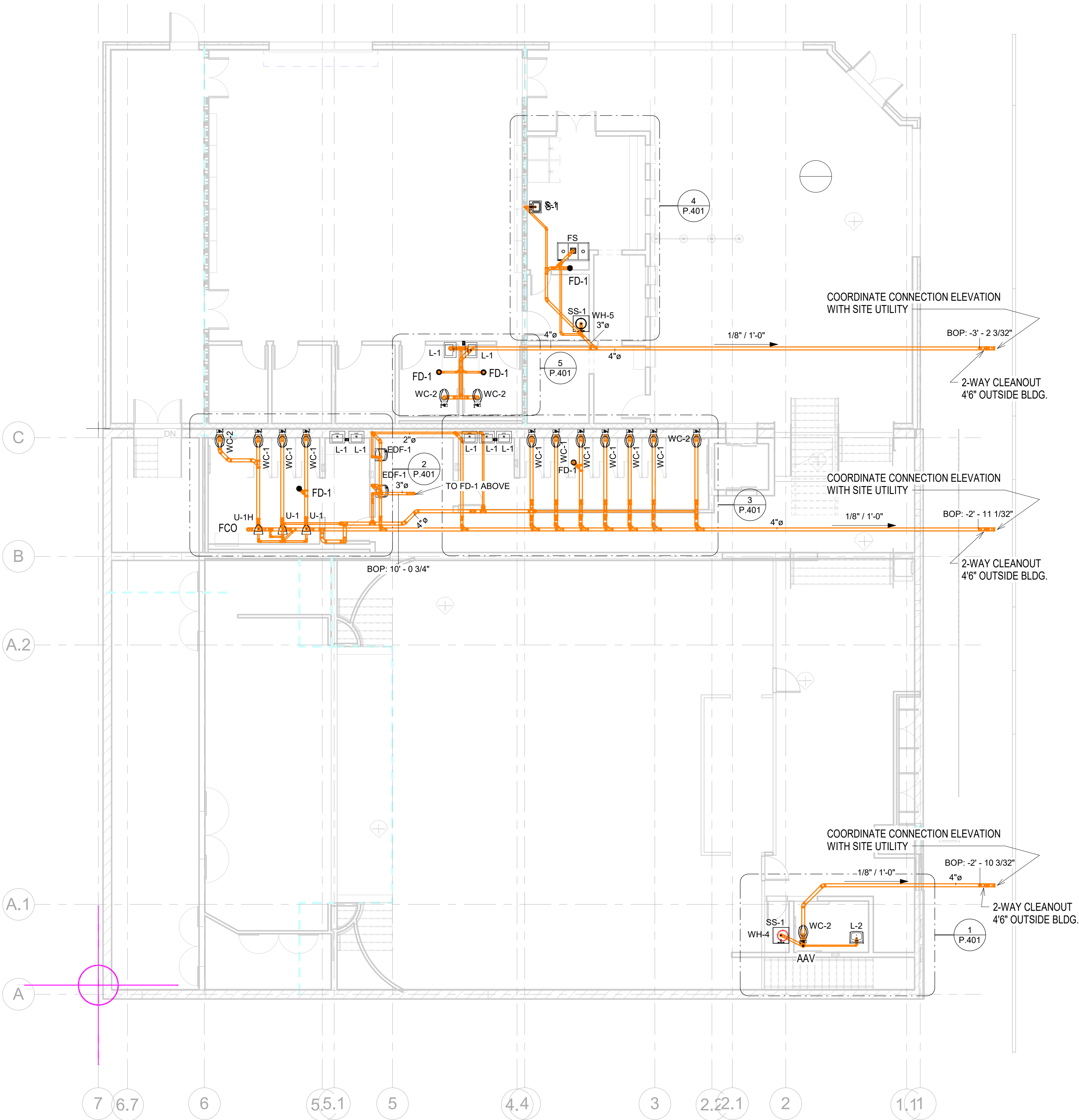
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No: 01 SET: CD Set DATE: 08/11/21

Drawing:

PLUMBING FIRST FLOOR
SANITARY

P.101



1 FLOOR PLAN - SANITARY
1/8" = 1'-0"

GENERAL NOTES

- COORDINATE ROUTING OF PIPING AND EQUIPMENT WITH ALL TRADES PRIOR TO BEGINNING CONSTRUCTION.
- COORDINATE REQUIREMENTS FOR ALL WALL AND FLOOR PENETRATIONS WITH STRUCTURAL ENGINEER.
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NOTES

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- SEE SHEET P.201 FOR SECOND FLOOR PLUMBING.
- SEE SHEET P.401 AND P.402 FOR ENLARGED PLUMBING PLANS
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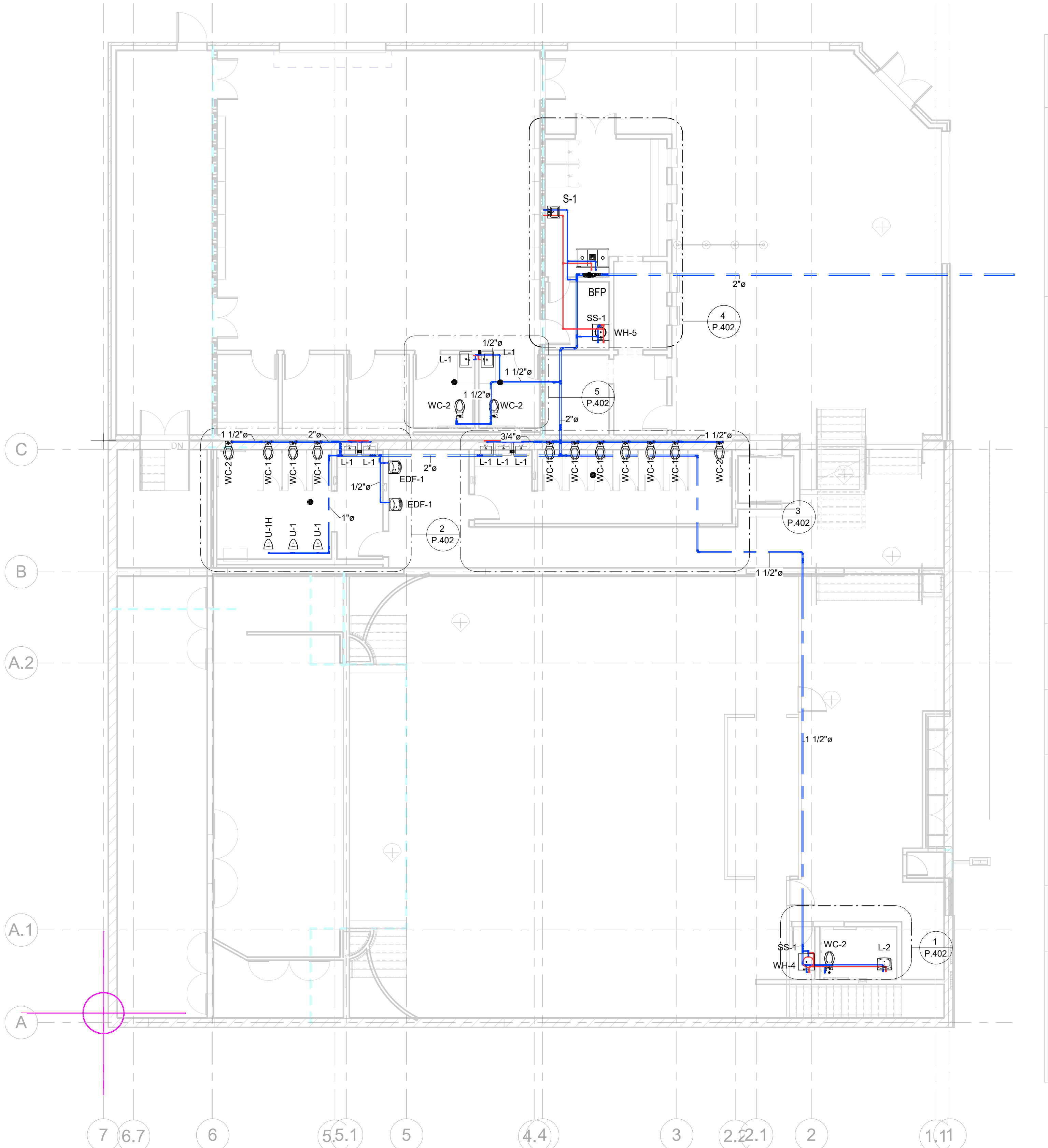
DAAD Project Number:
17583

No: 01 SET: CD Set DATE: 08/11/21

Drawing:

PLUMBING FIRST FLOOR
DOMESTIC WATER

P.102



(1) FLOOR PLAN - DOMESTIC WATER
1/8" = 1'-0"

GENERAL NOTES

1. COORDINATE ROUTING OF PIPING AND EQUIPMENT WITH ALL TRADES PRIOR TO BEGINNING CONSTRUCTION.
2. COORDINATE REQUIREMENTS FOR ALL WALL AND FLOOR PENETRATIONS WITH STRUCTURAL ENGINEER.
3. PLUMBING CONTRACTOR RESPONSIBLE FOR ALL SANITARY WASTE, DOMESTIC WATER PIPING INSIDE BUILDING TO FIVE FEET OUTSIDE BUILDING FOOTPRINT. CONTINUATION OF UTILITIES PAST FIVE FEET OUTSIDE BUILDING BY SITE UTILITY CONTRACTOR.
4. REVIEW ARCHITECTURAL LIFE SAFETY PLANS FOR LOCATIONS OF RATED ASSEMBLIES. PROVIDE FIRE CAULK, AS REQUIRED, FOR ALL RATED PENETRATIONS.

NOTES

1. SEE SHEET P.001 FOR FIXTURE SCHEDULE, WATER HEATER SCHEDULE AND PLUMBING LEGEND AND ABBREVIATIONS.
2. SEE SHEET P.101 FOR FIRST FLOOR SANITARY.
3. SEE SHEET P.102 FOR FIRST FLOOR DOMESTIC WATER.
4. SEE SHEET P.401 AND P.402 FOR ENLARGED PLUMBING PLANS
5. SEE SHEET P.403 AND P.404 FOR PLUMBING ISOMETRIC DRAWINGS.
6. SEE SHEET P.501 AND P.502 FOR PLUMBING DETAILS.



A New Construction Project:

MSCCM - Ellis Theater Renovation

Project Site Address:

311 Byrd Ave.
Philadelphia, MS
39350

DAAD Project Number:

17583

No: 01 SET: CD Set

DATE:

8/11/21

SECOND FLOOR PLAN - SANITARY

$$1/8'' = 1'-0''$$

Drawing:

PLUMBING SECOND FLOOR SANITARY

P.201

GENERAL NOTES

- COORDINATE ROUTING OF PIPING AND EQUIPMENT WITH ALL TRADES PRIOR TO BEGINNING CONSTRUCTION.
- COORDINATE REQUIREMENTS FOR ALL WALL AND FLOOR PENETRATIONS WITH STRUCTURAL ENGINEER.
- PLUMBING CONTRACTOR RESPONSIBLE FOR ALL SANITARY WASTE, DOMESTIC WATER PIPING INSIDE BUILDING TO FIVE FEET OUTSIDE BUILDING FOOTPRINT. CONTINUATION OF UTILITIES PAST FIVE FEET OUTSIDE BUILDING BY SITE UTILITY CONTRACTOR.
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A New Construction Project:

MSCCM - Ellis Theater Renovation

Project Site Address:
311 Byrd Ave.
Philadelphia, MS
39350

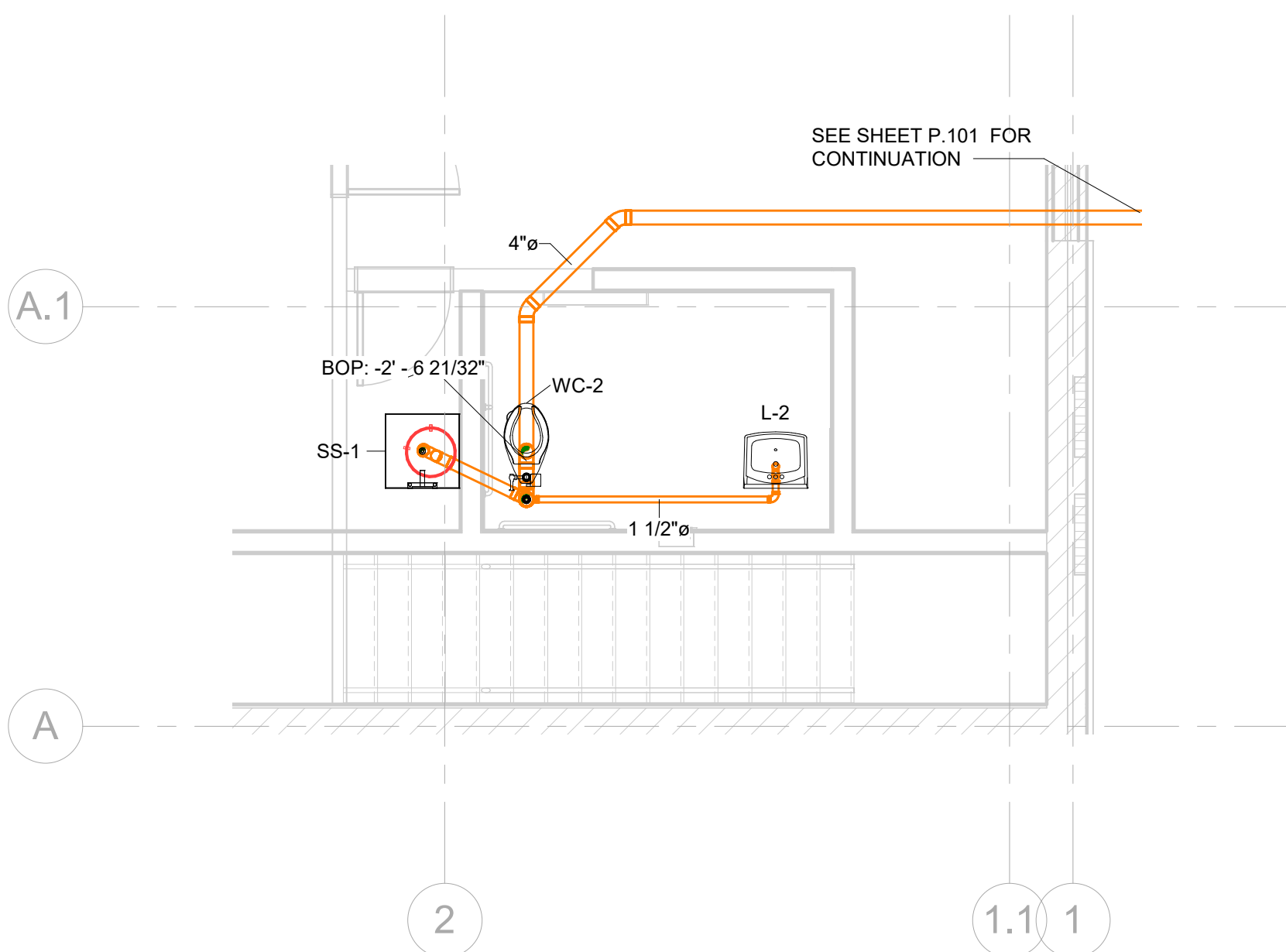
DAAD Project Number:
17583

No: 01 SET: CD Set DATE: 08/11/21

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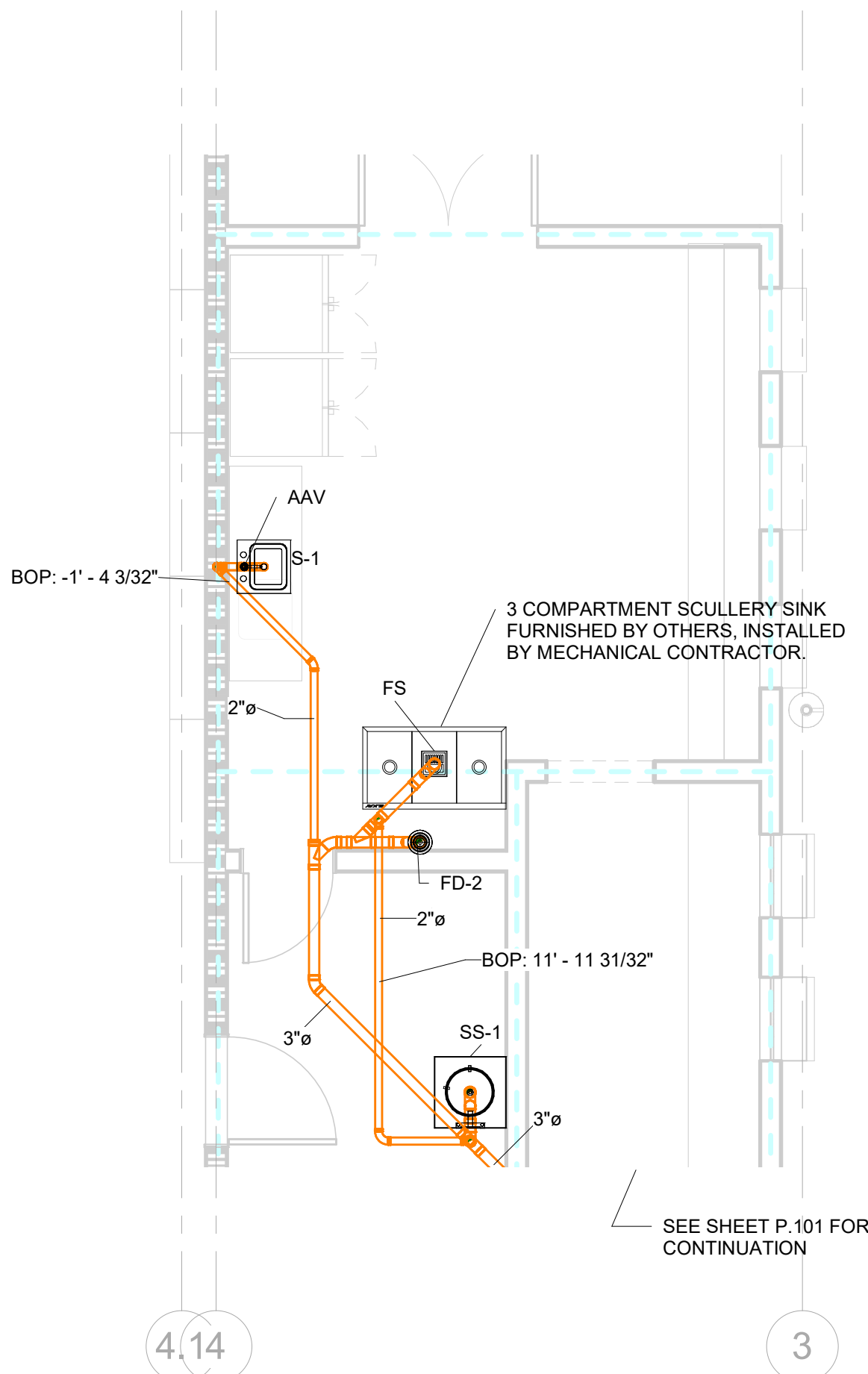
ENLARGED PLUMBING
PLANS SANITARY

P.401



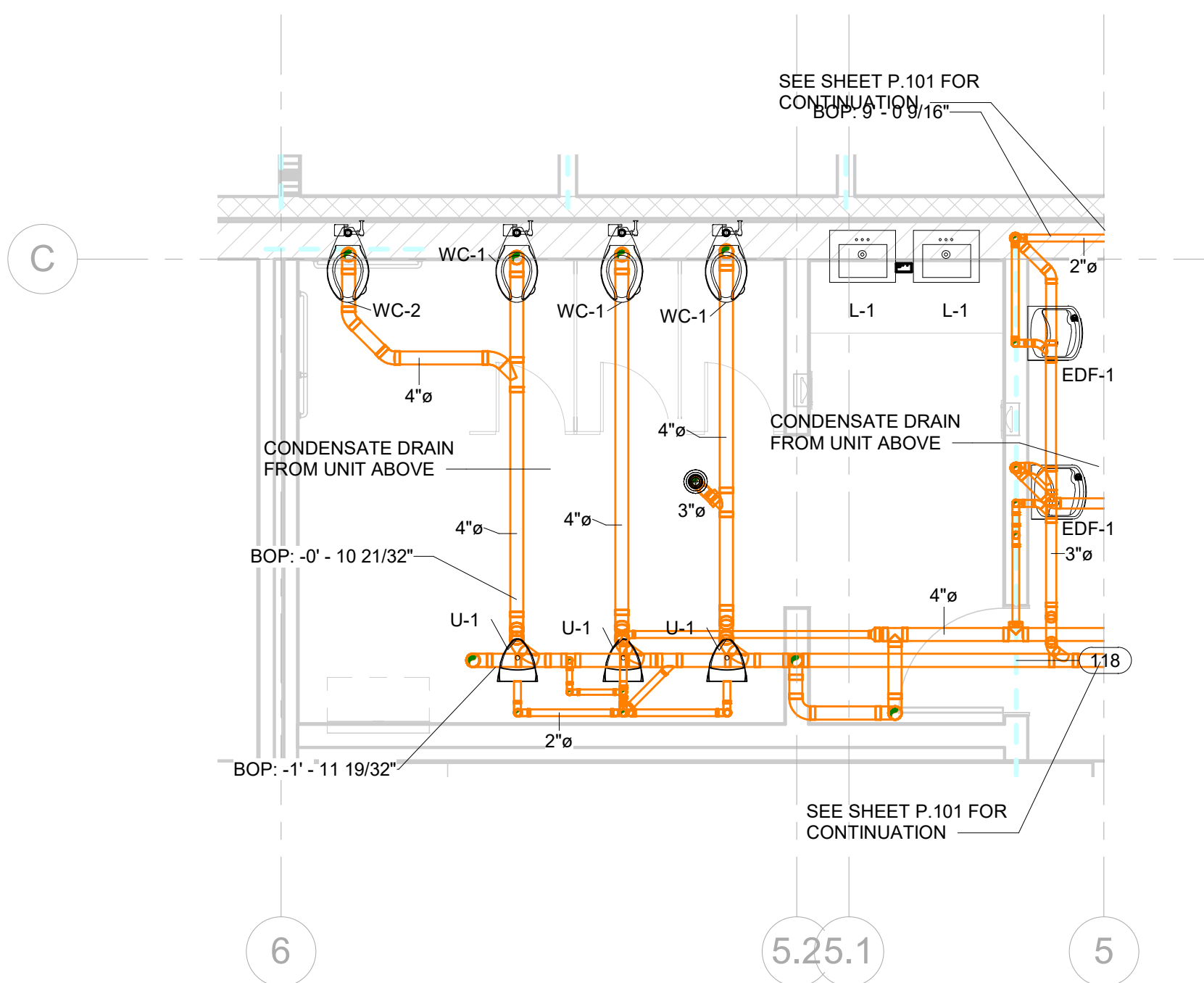
1 FAMILY RESTROOM - SANITARY

1/4" = 1'-0"



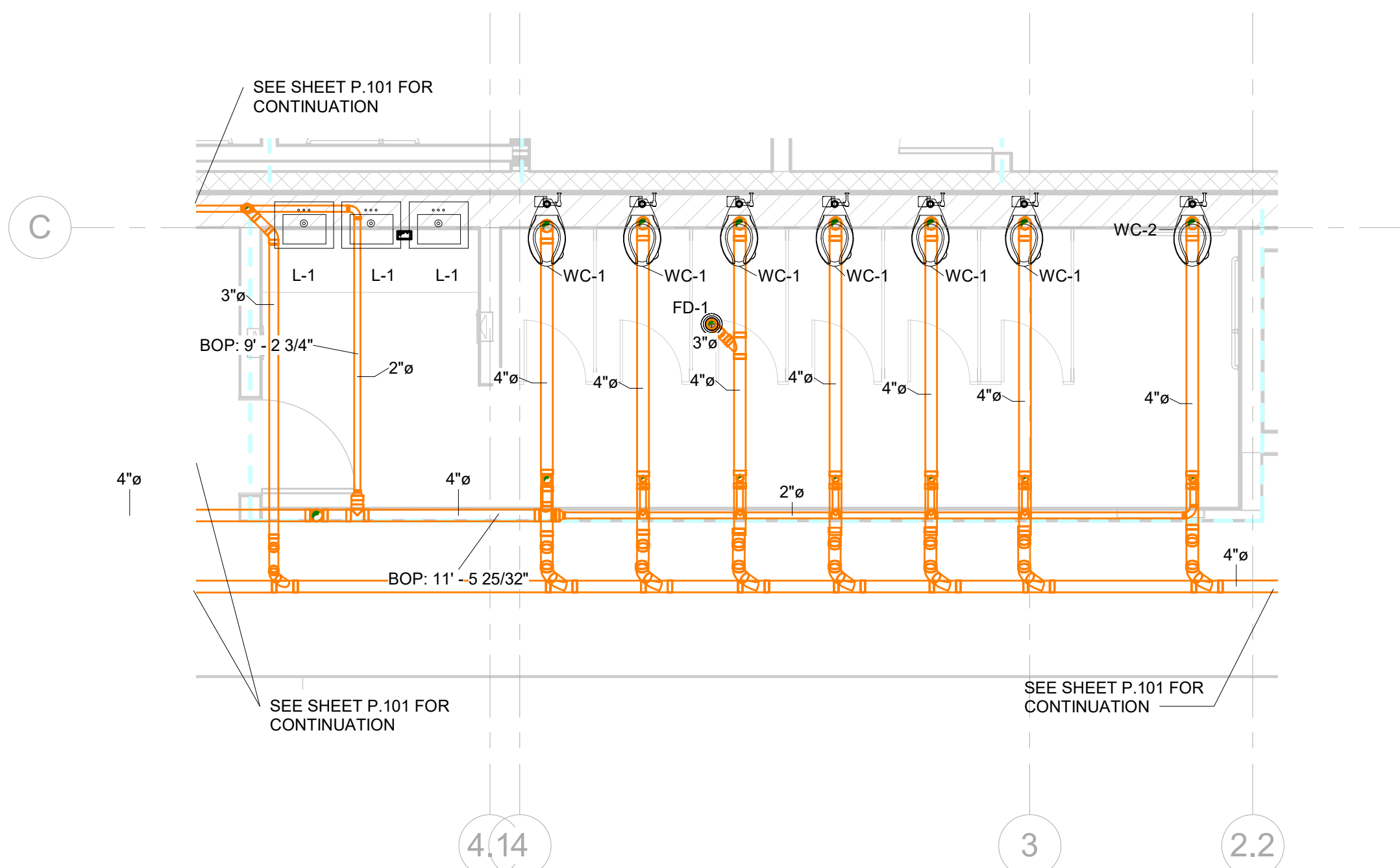
4 CONCESSION AREA - SANITARY

1/4" = 1'-0"



2 MEN'S RESTROOM - SANITARY

1/4" = 1'-0"



3 WOMEN'S RESTROOM - SANITARY

1/4" = 1'-0"

GENERAL NOTES

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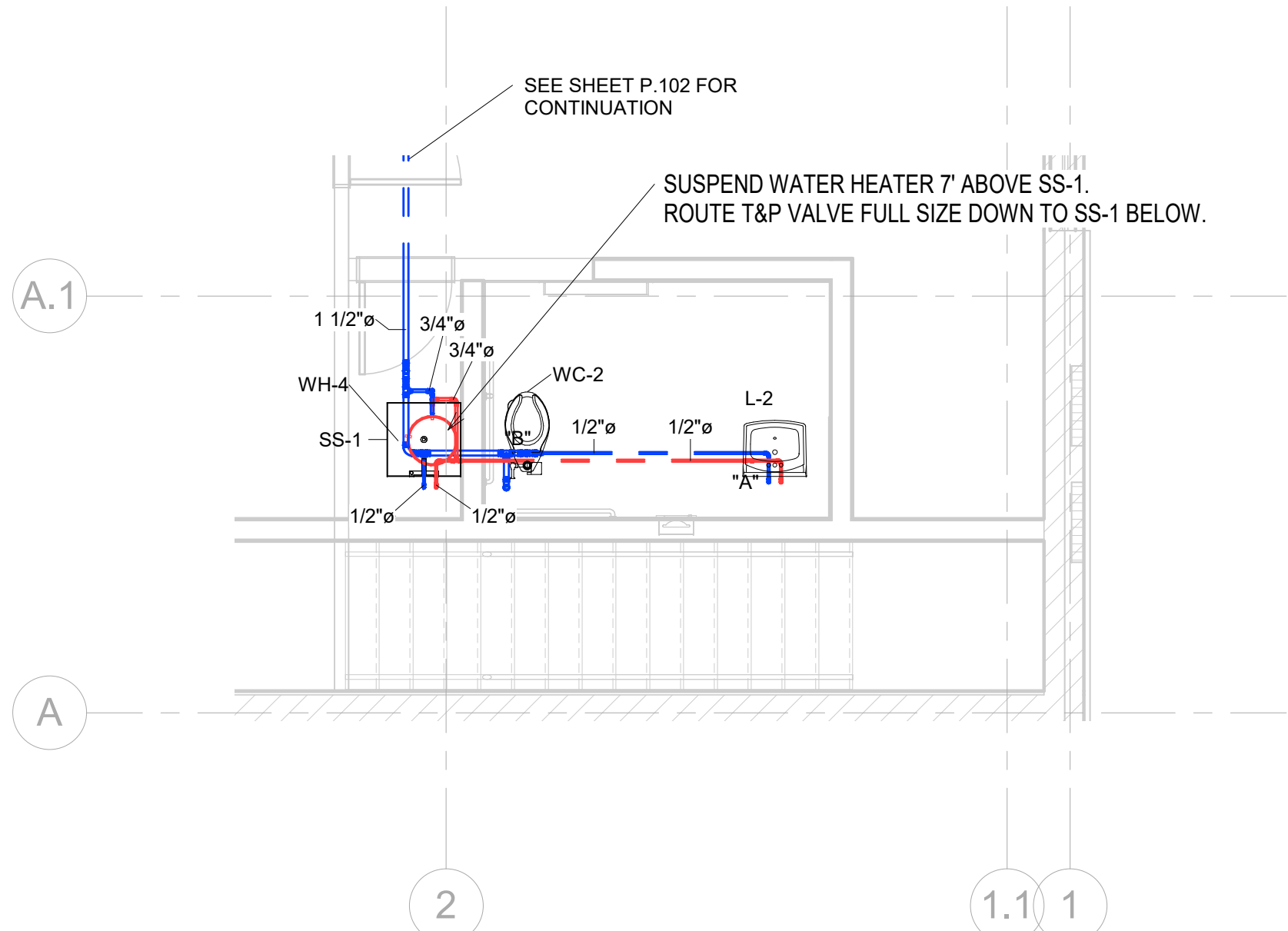
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DATE: 08/11/21

Drawing:

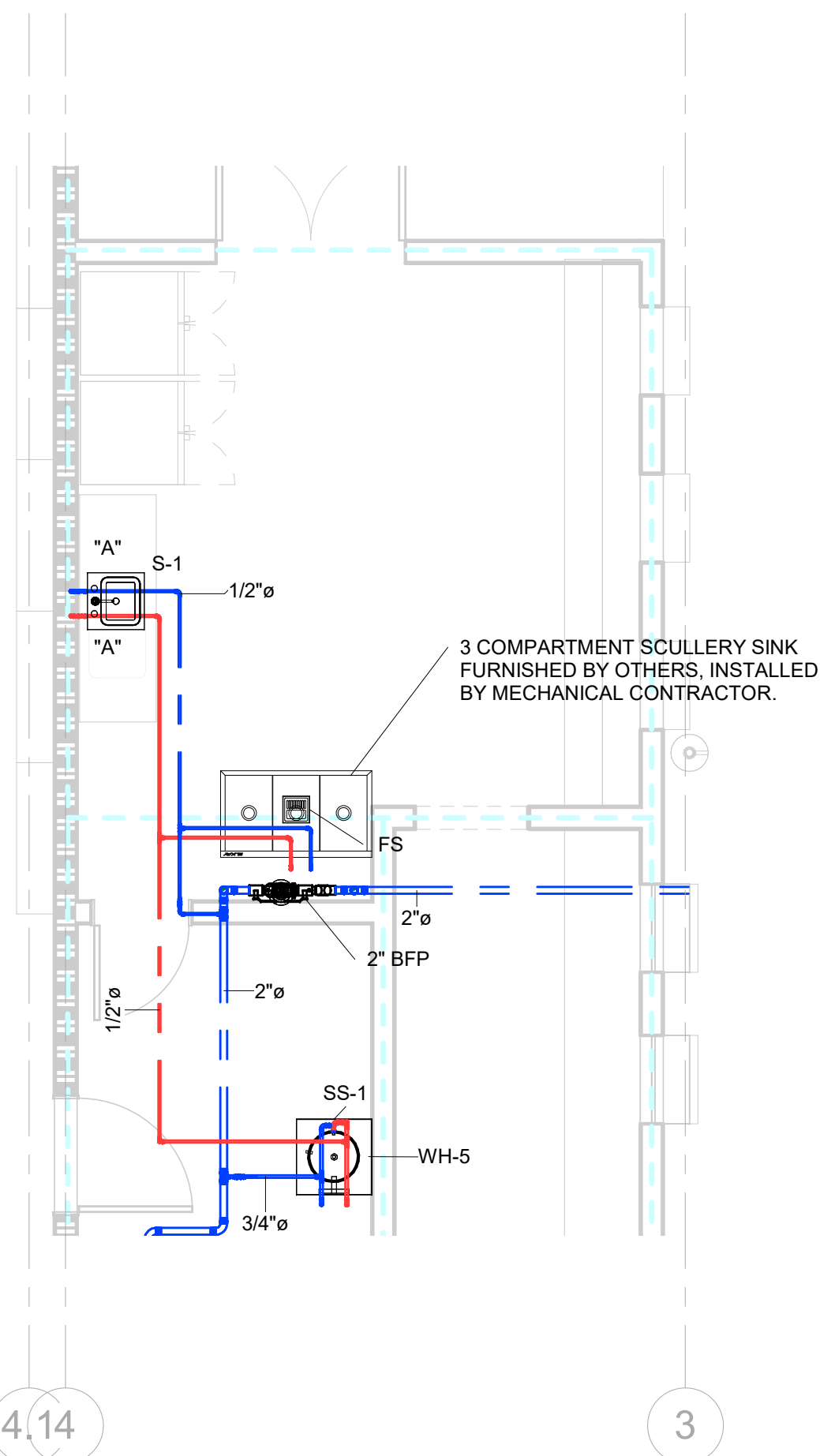
ENLARGED PLUMBING
PLANS DOMESTIC
WATER

P.402



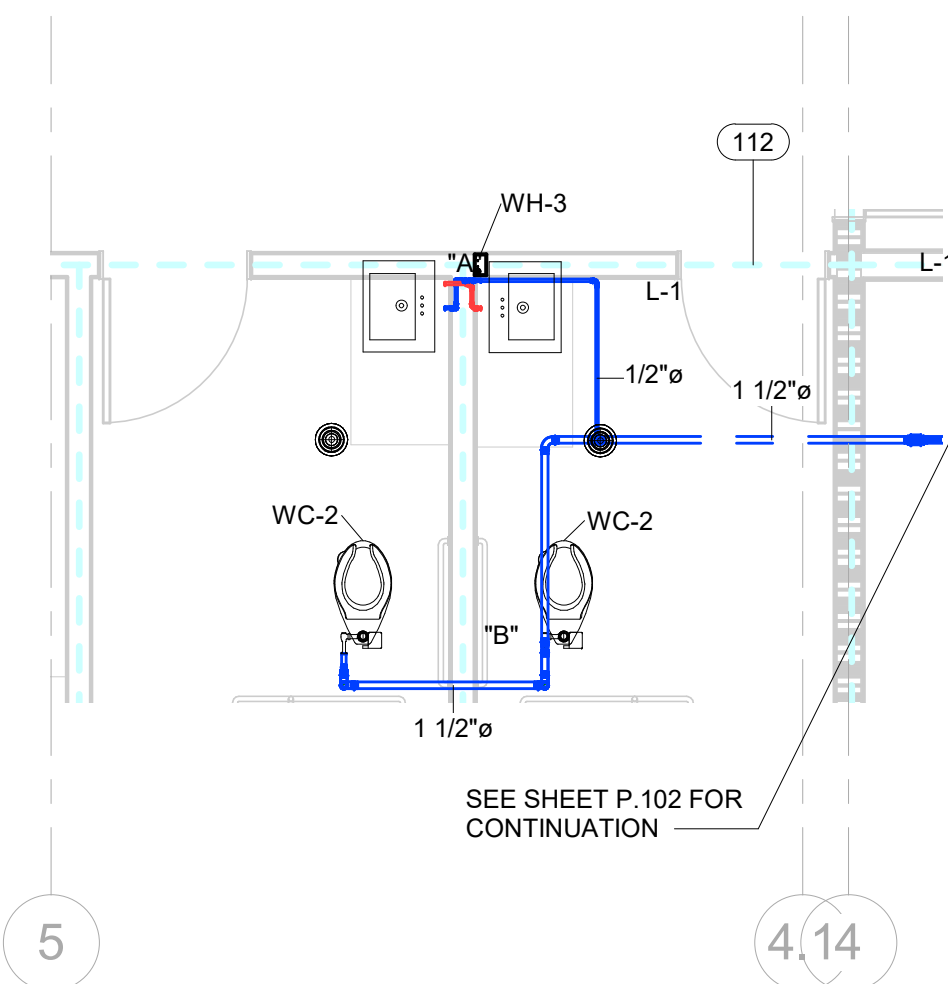
1 FAMILY RESTROOM - DOMESTIC WATER

1/4" = 1'-0"



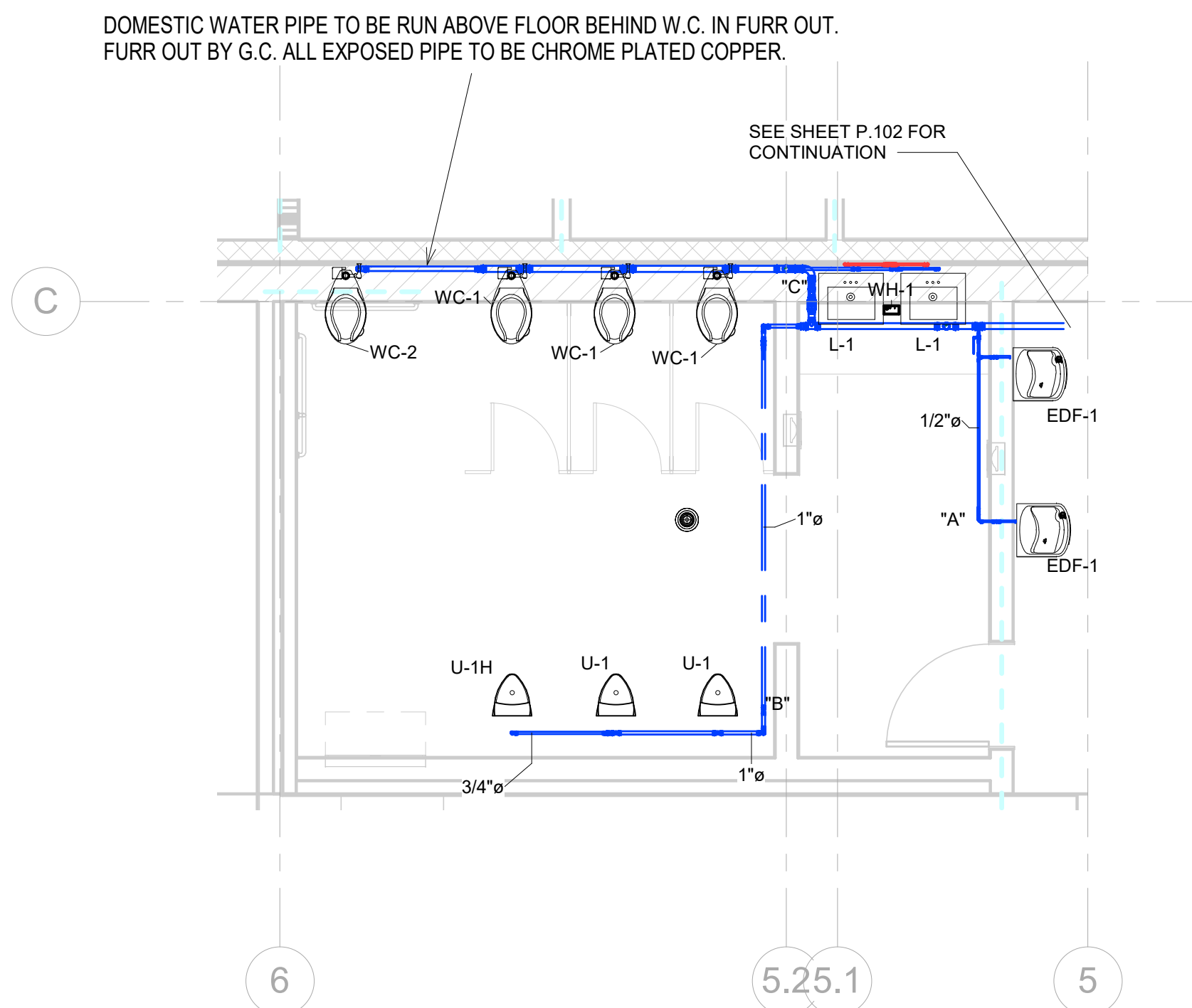
4 CONCESSION AREA - DOMESTIC WATER

1/4" = 1'-0"



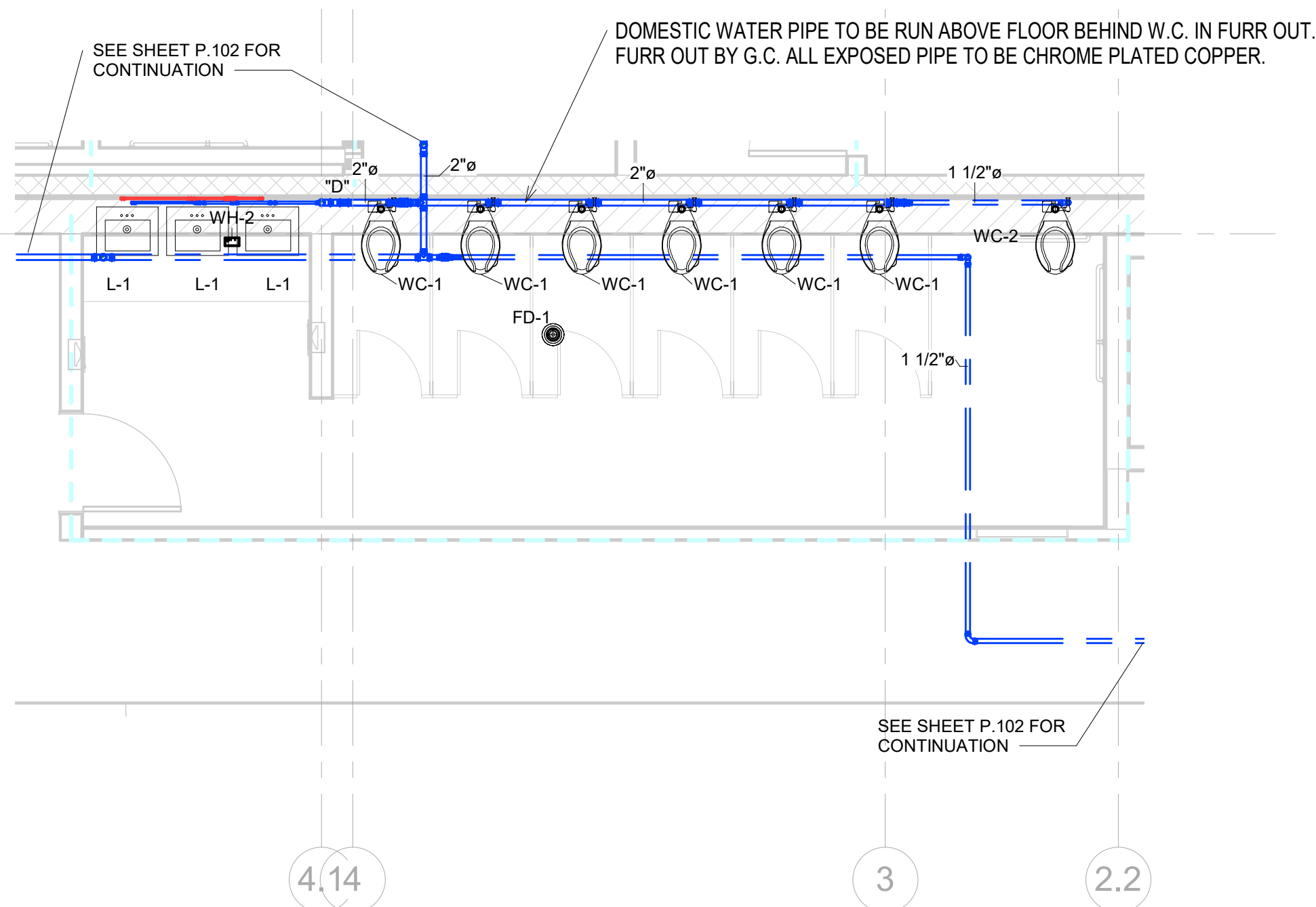
**GREENROOM RESTROOMS (ADD
ALTERNATE) - DOMESTIC WATER**

1/4" = 1'-0"



2 MEN'S RESTROOM - DOMESTIC WATER

1/4" = 1'-0"



3 WOMEN'S RESTROOM - DOMESTIC WATER

1/4" = 1'-0"

GENERAL NOTES

- COORDINATE ROUTING OF PIPING AND EQUIPMENT WITH ALL TRADES PRIOR TO BEGINNING CONSTRUCTION.
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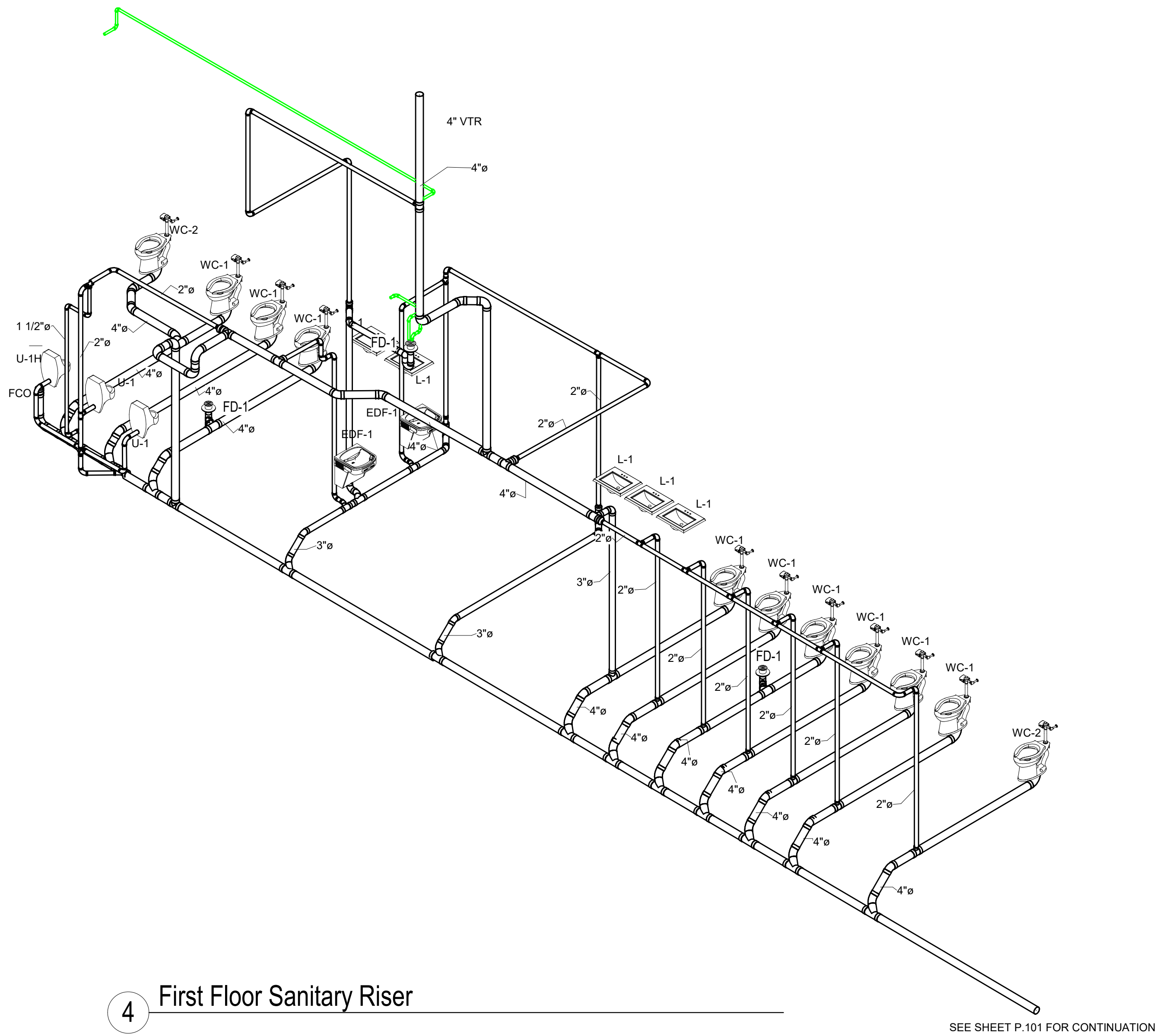
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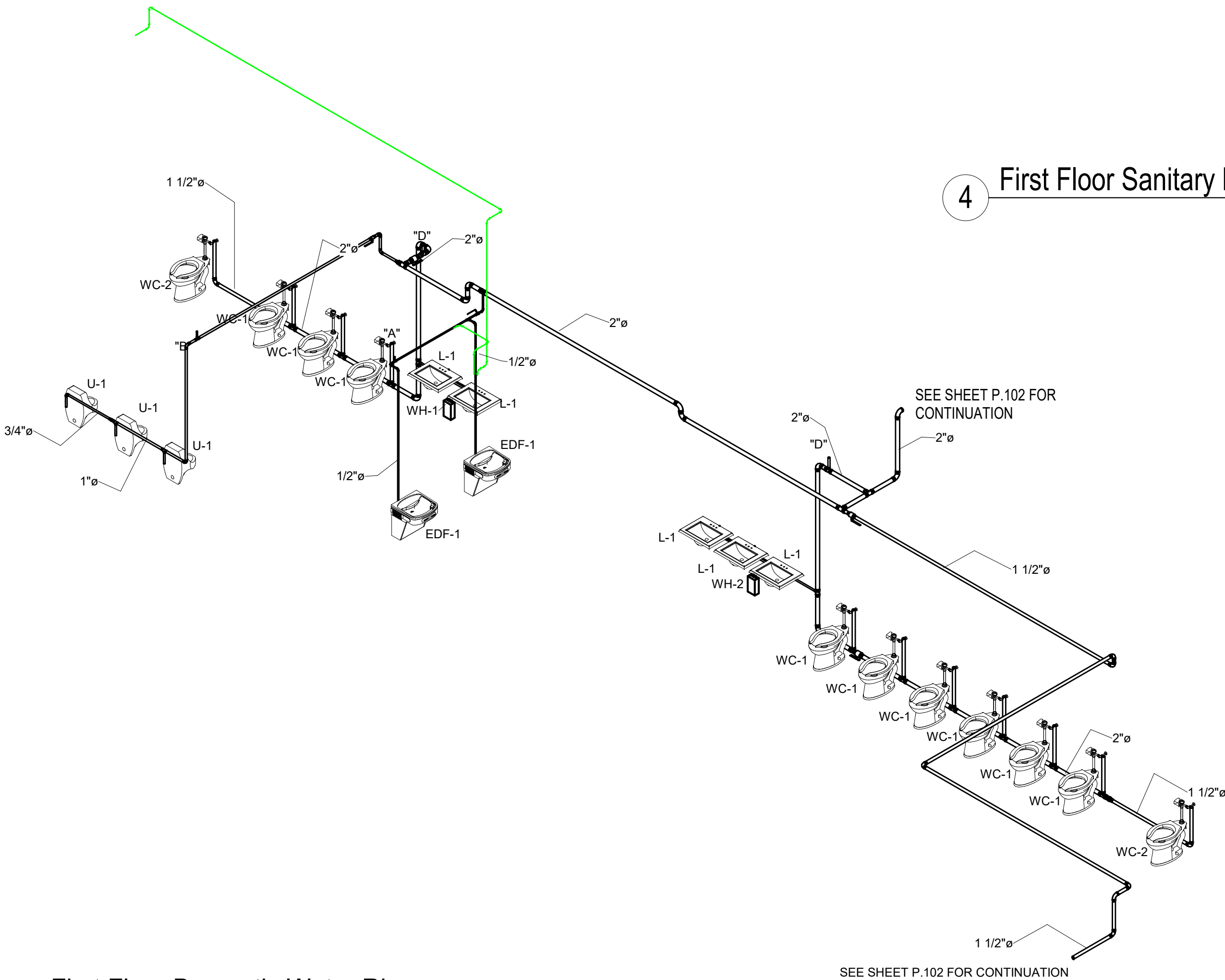
Drawing:

PLUMBING ISOMETRIC
DRAWINGS

P.403



4 First Floor Sanitary Riser



1 First Floor Domestic Water Riser

GENERAL NOTES

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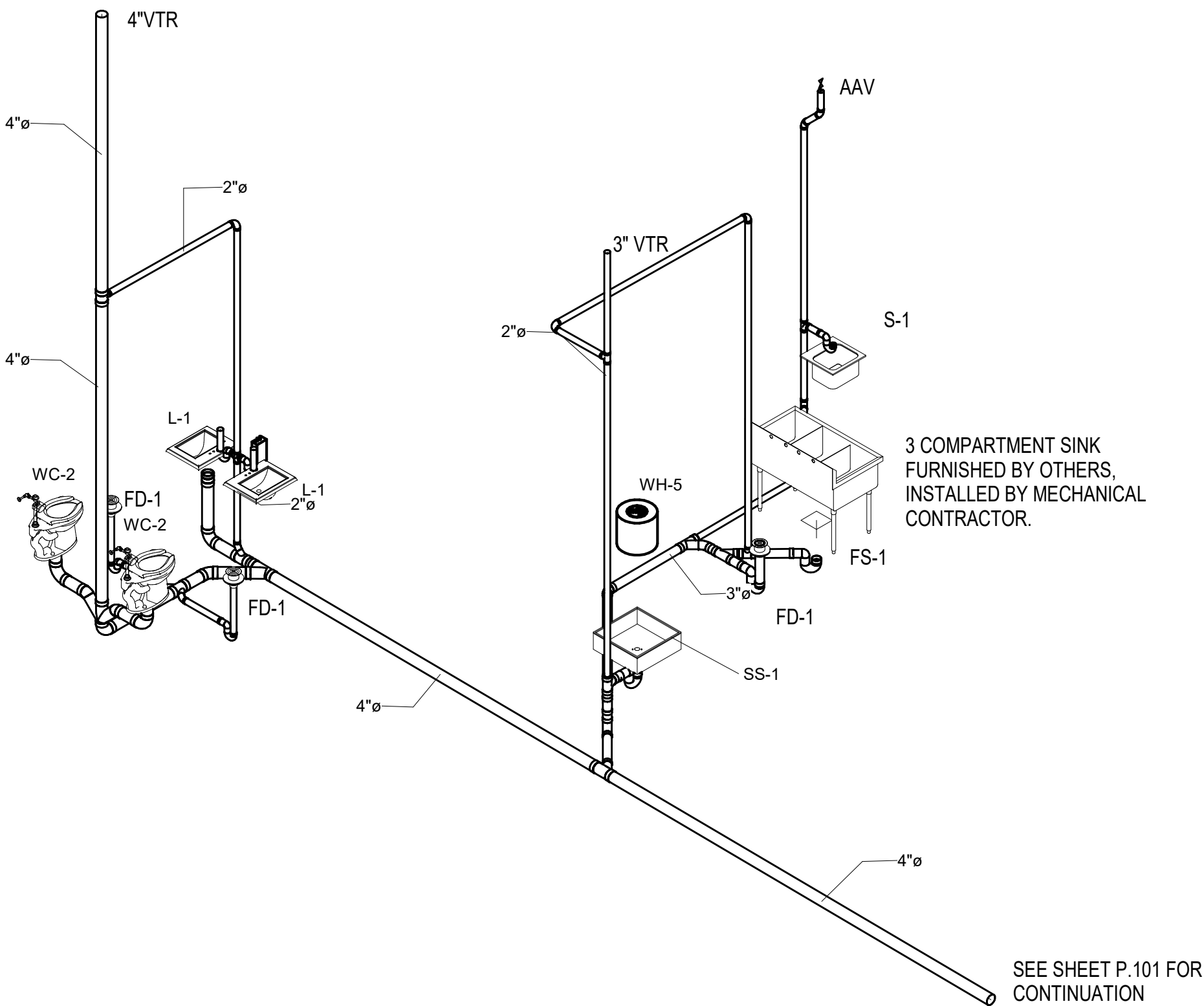
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No: 01 SET: CD Set DATE: 08/11/21

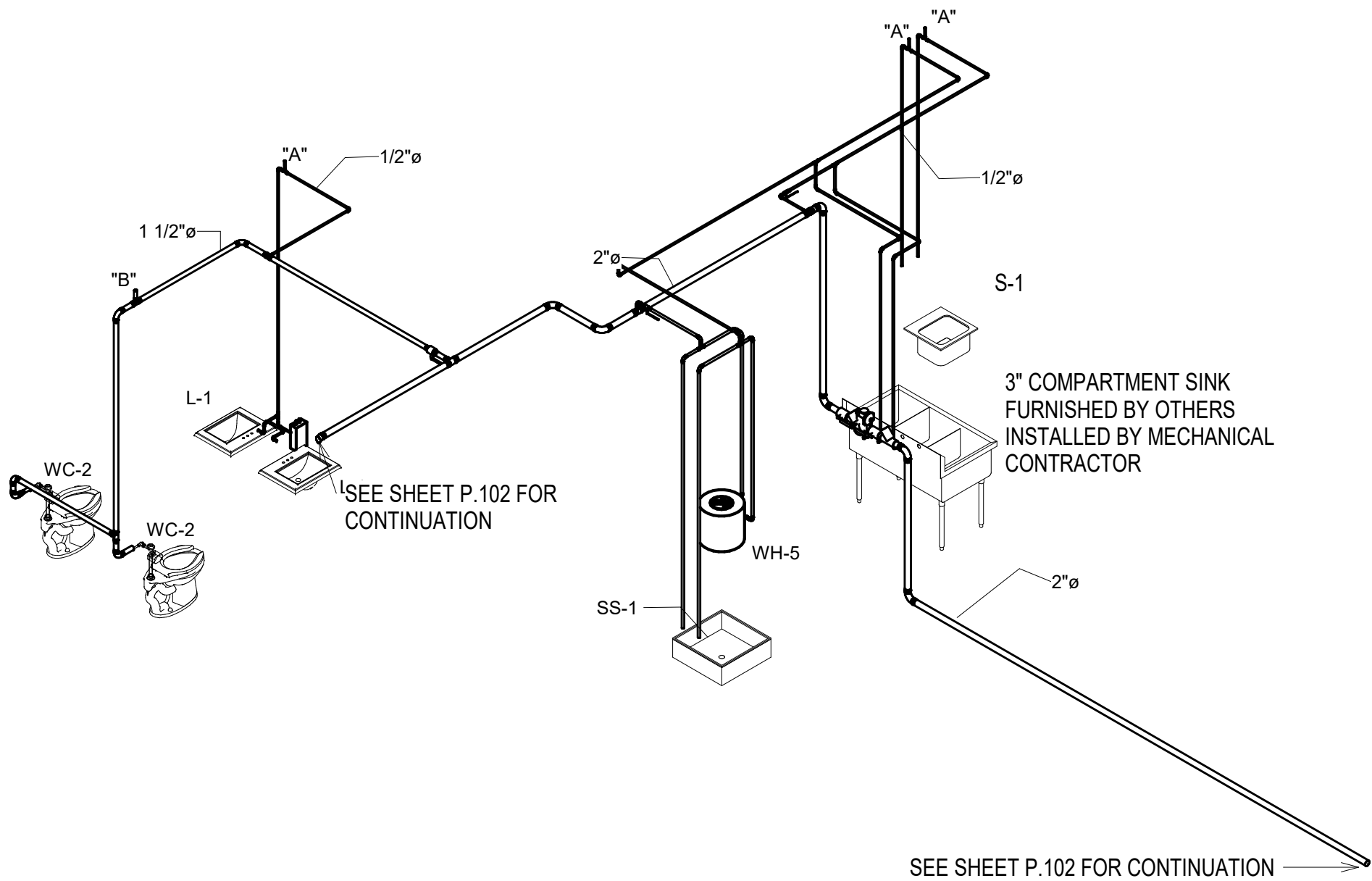
Drawing:

PLUMBING ISOMETRIC
DRAWINGS

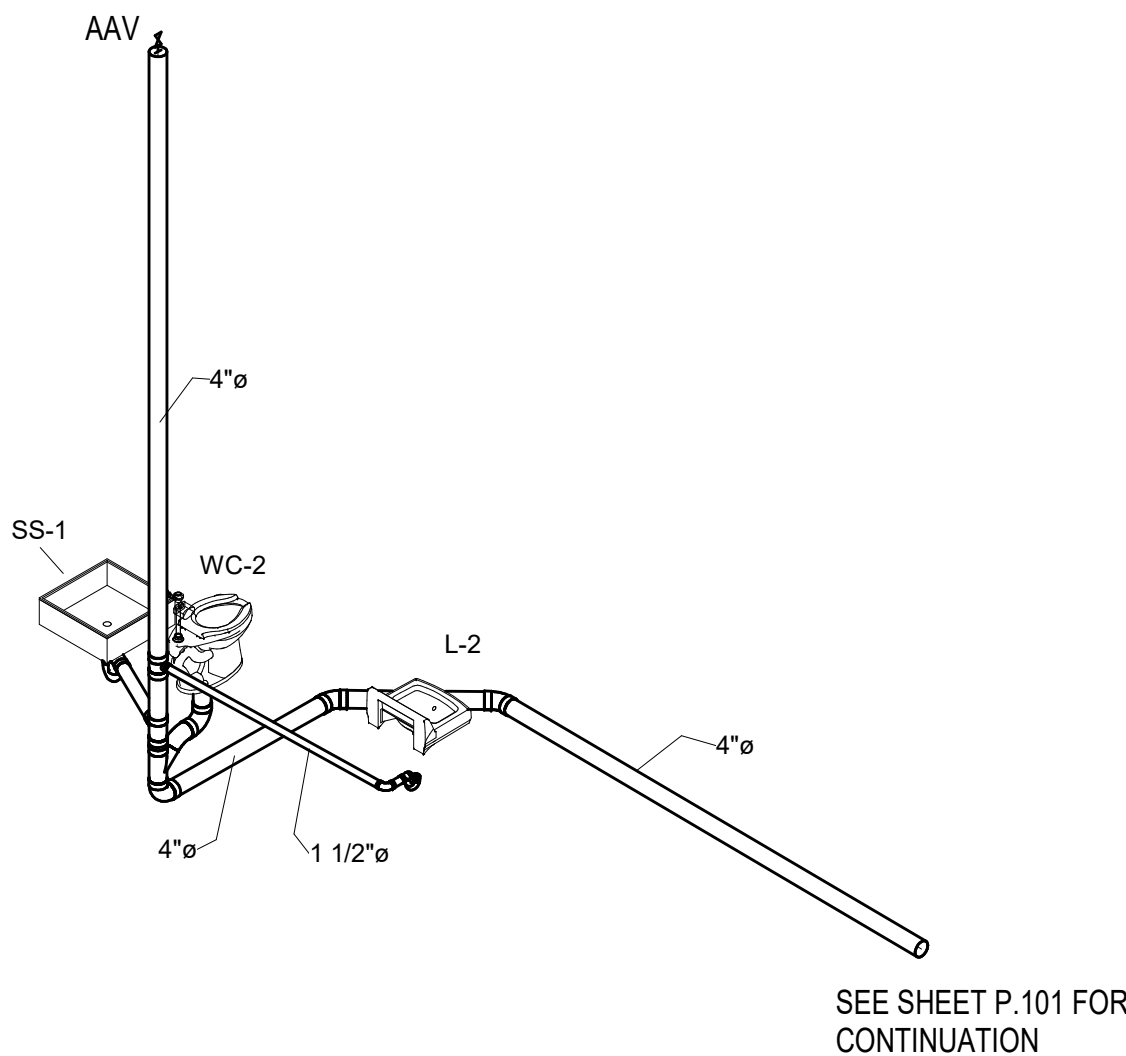
P.404



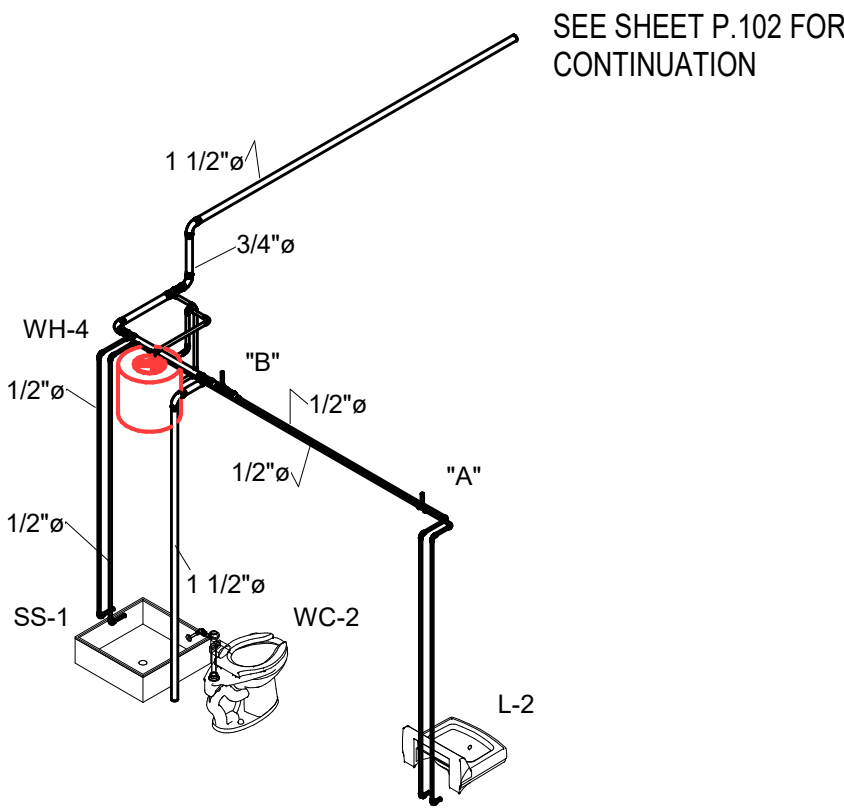
3 Audio Sanitary Riser



4 Audio Domestic Water Riser



1 Lobby Sanitary Riser



2 Lobby Domestic Water Riser

GENERAL NOTES

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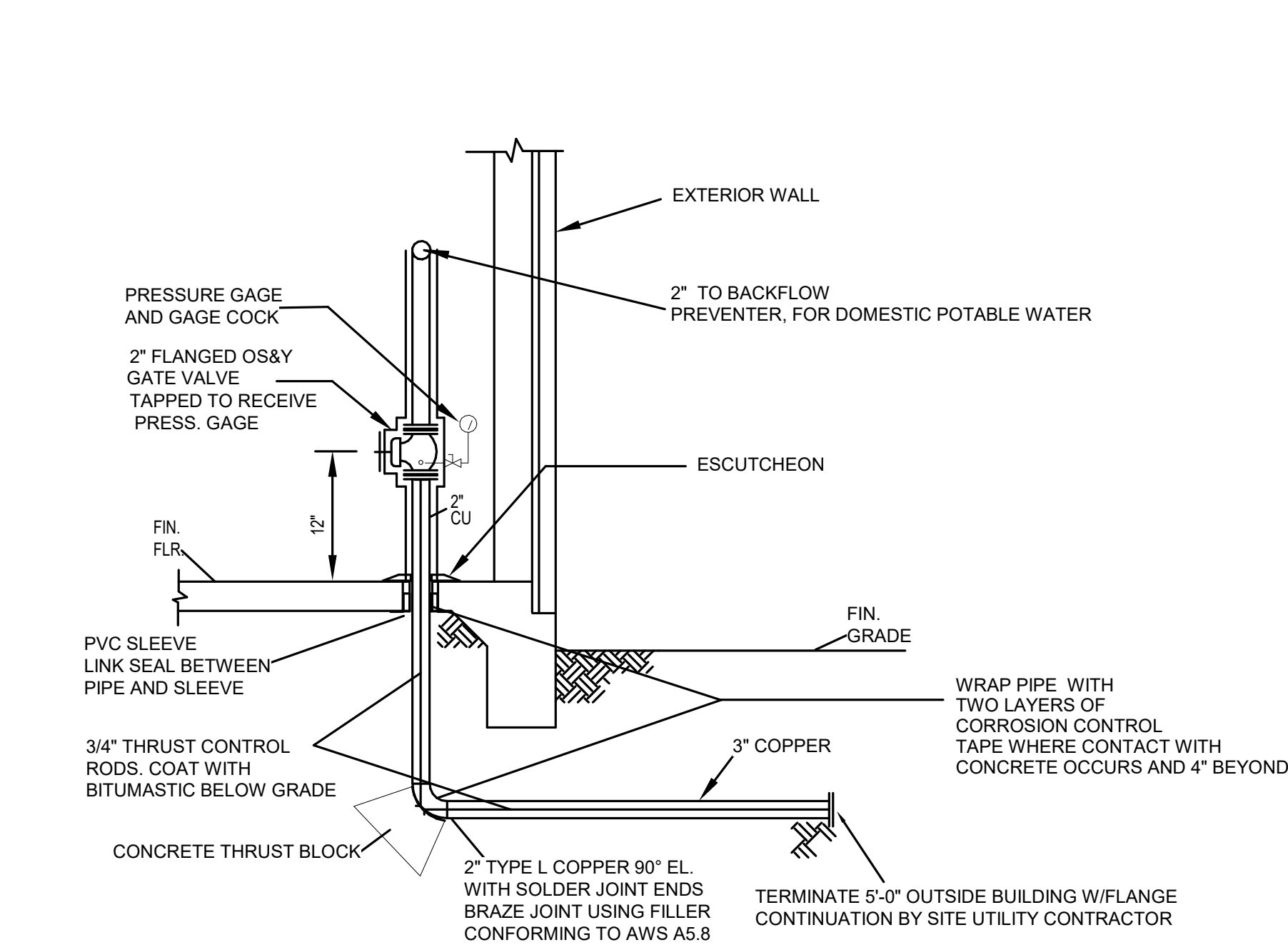
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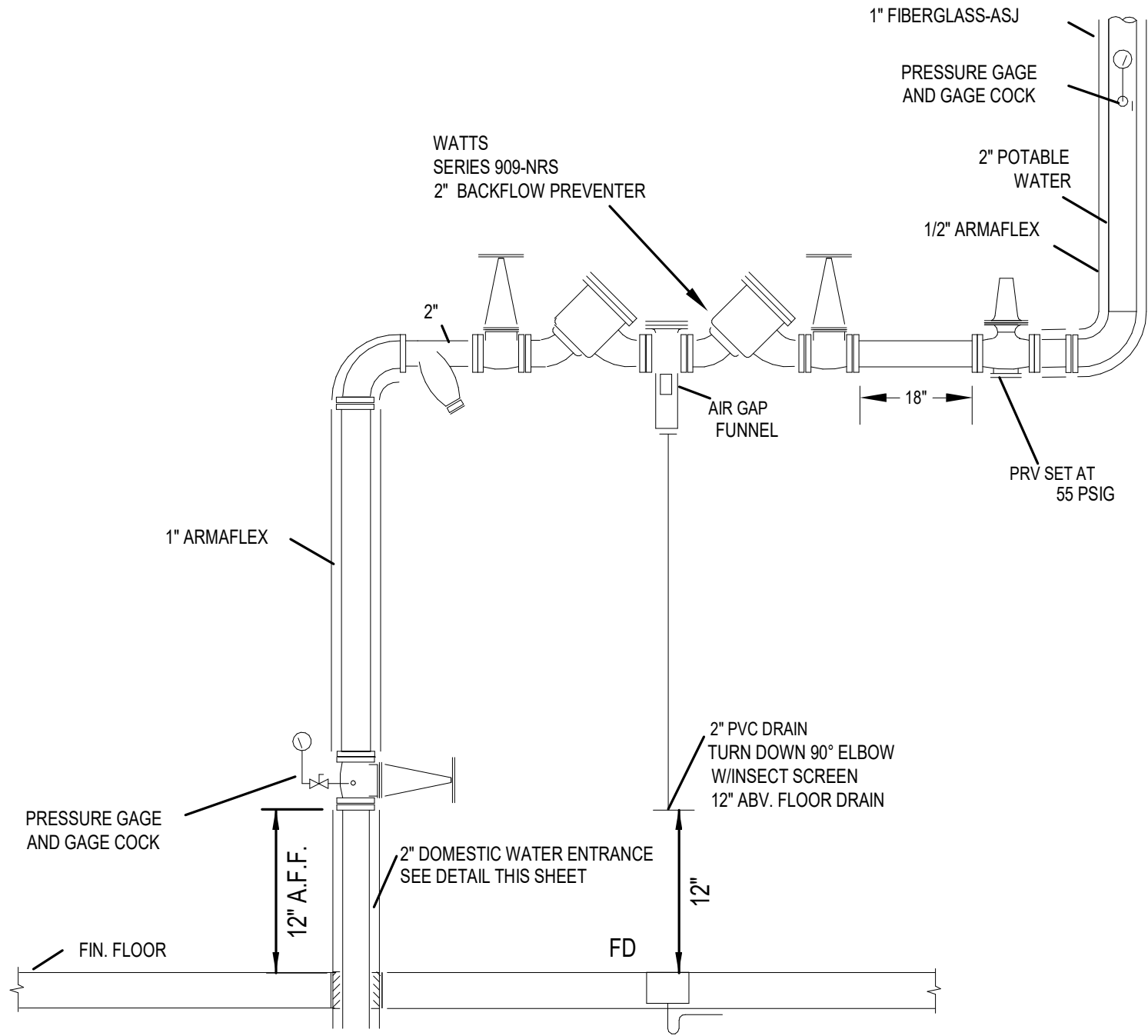
PLUMBING DETAILS

P.501



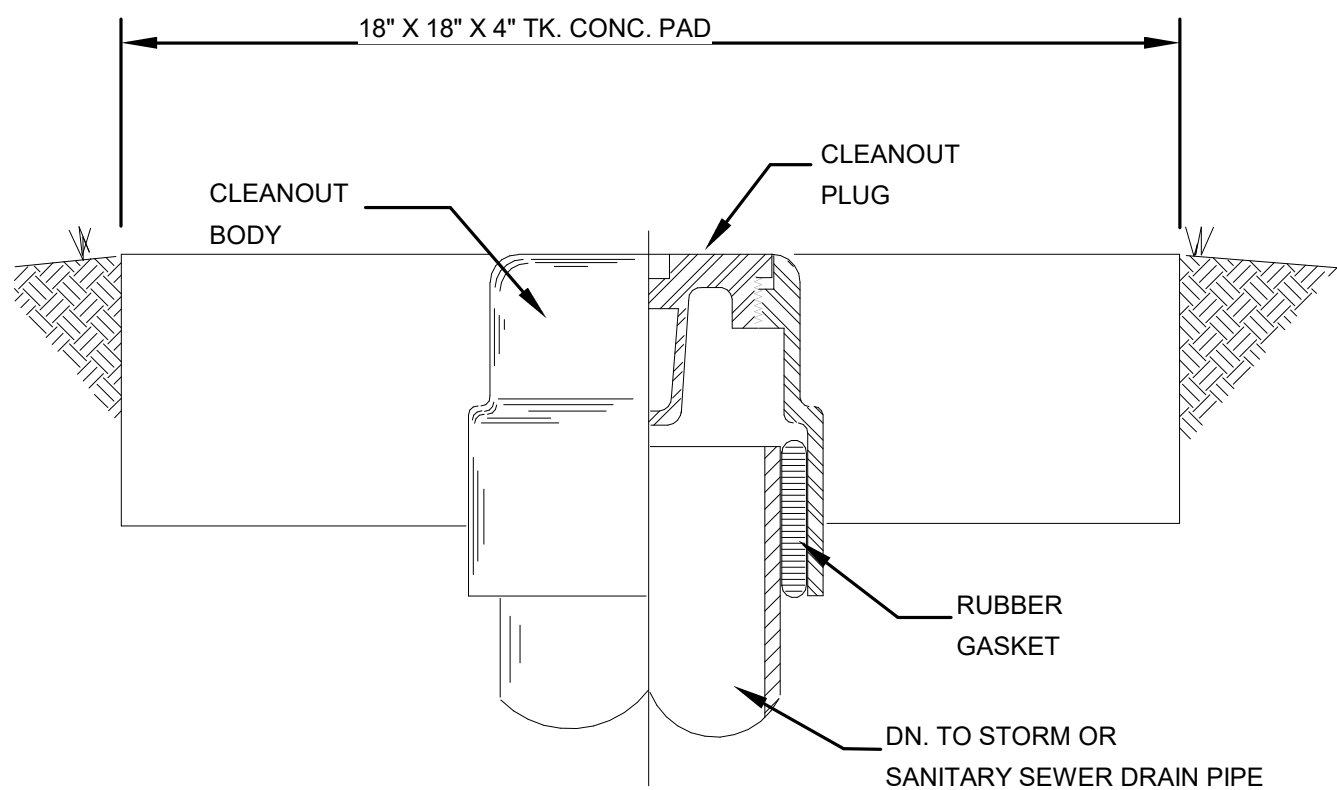
1 DOMESTIC WATER ENTRANCE

NOT TO SCALE



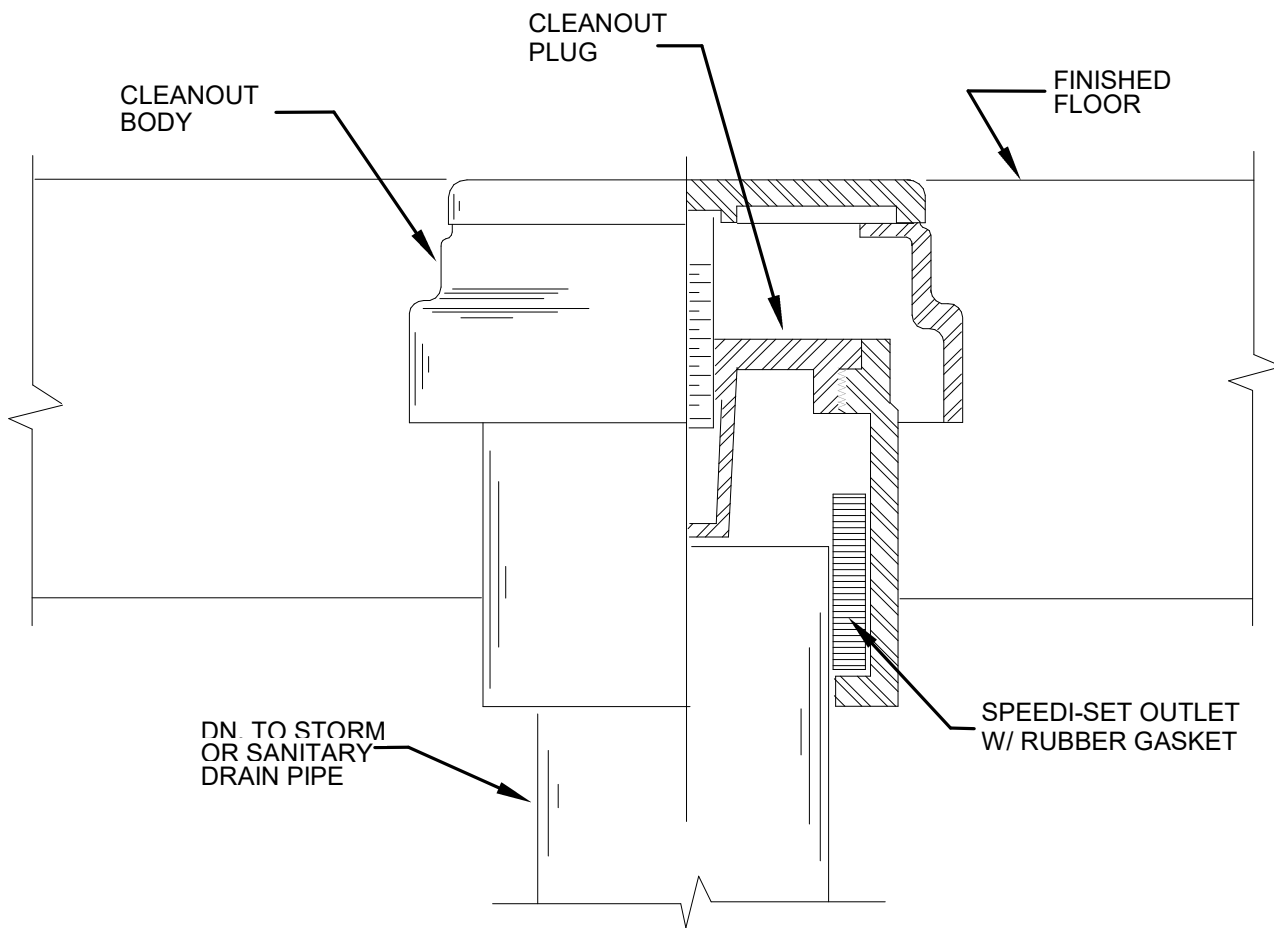
2 BACKFLOW PREVENTER DETAIL

NOT TO SCALE



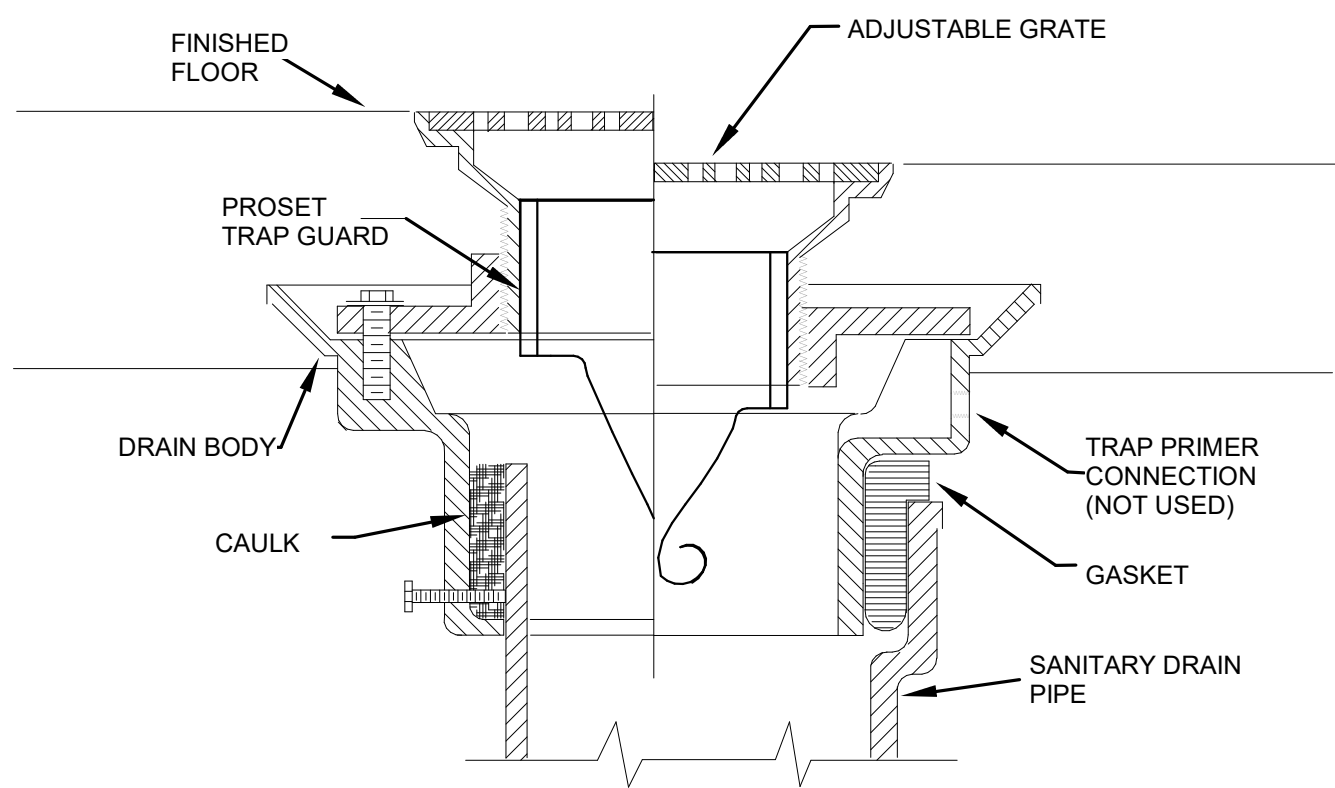
4 FGCO DETAIL

NOT TO SCALE



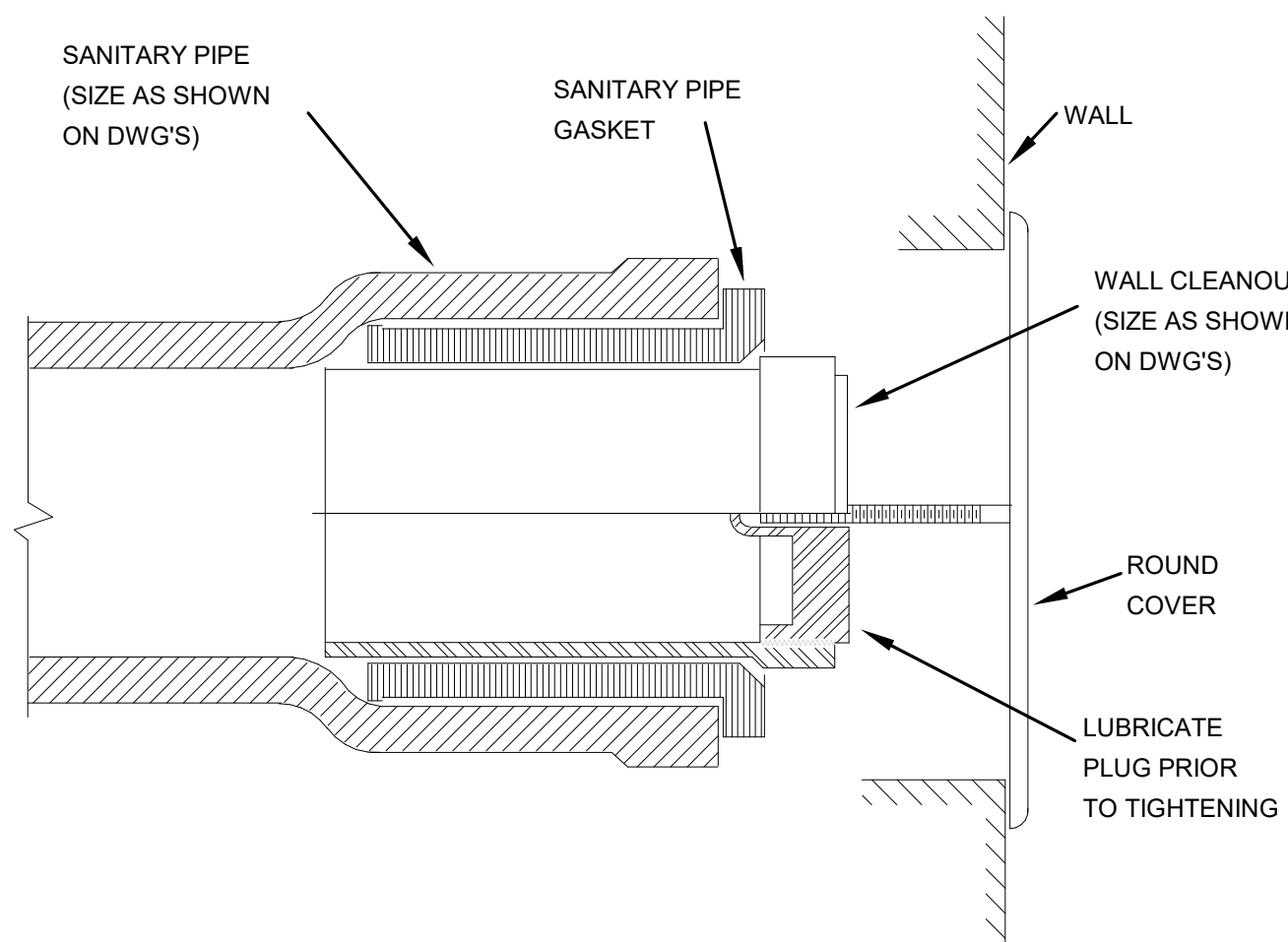
5 FLOOR CLEANOUT DETAIL

NOT TO SCALE



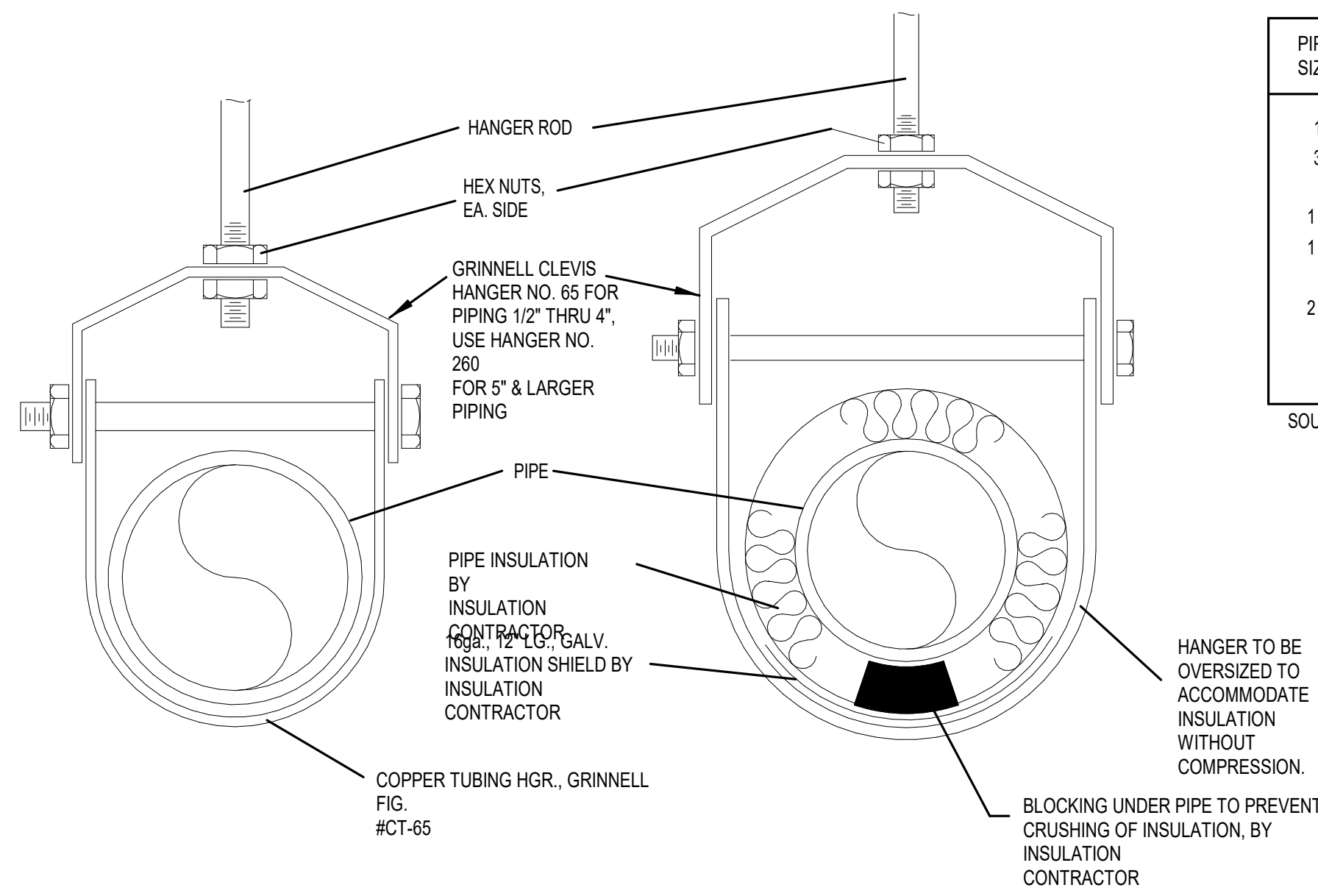
6 FLOOR DRAIN DETAIL

NOT TO SCALE



7 WALL CLEANOUT DETAIL

NOT TO SCALE

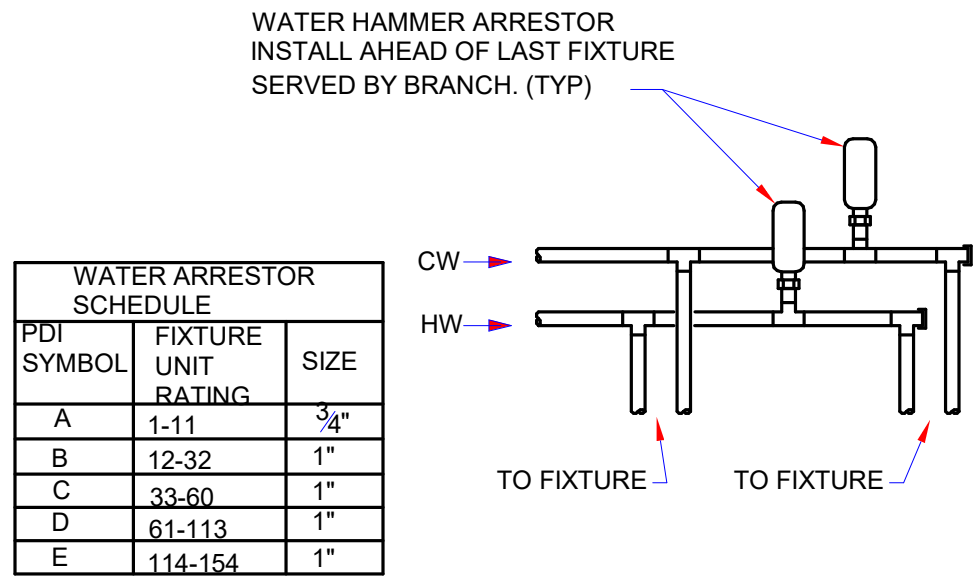


8 PIPE SUPPORT

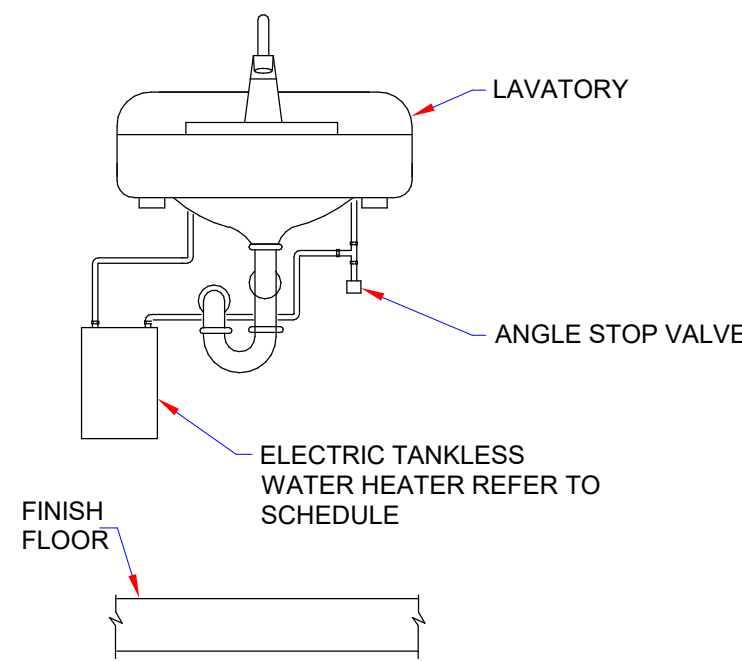
NOT TO SCALE

PIPE SIZE	ROD SIZE	MAX. HGR SPC. COPPER PIPE	MAX. HGR SPC. STEEL PIPE	MAX. HGR SPC. PVC
1/2"	3/8"	5'	5'	4'
3/4"	3/8"	5'	5'	4'
1"	3/8"	6'	7'	4'
1 1/4"	3/8"	7'	7'	5'
1 1/2"	3/8"	8'	9'	5'
2"	3/8"	8'	10'	5'
2 1/2"	1/2"	9'	11'	6'
3"	1/2"	10'	12'	6'
4"	5/8"	12'	14'	6'

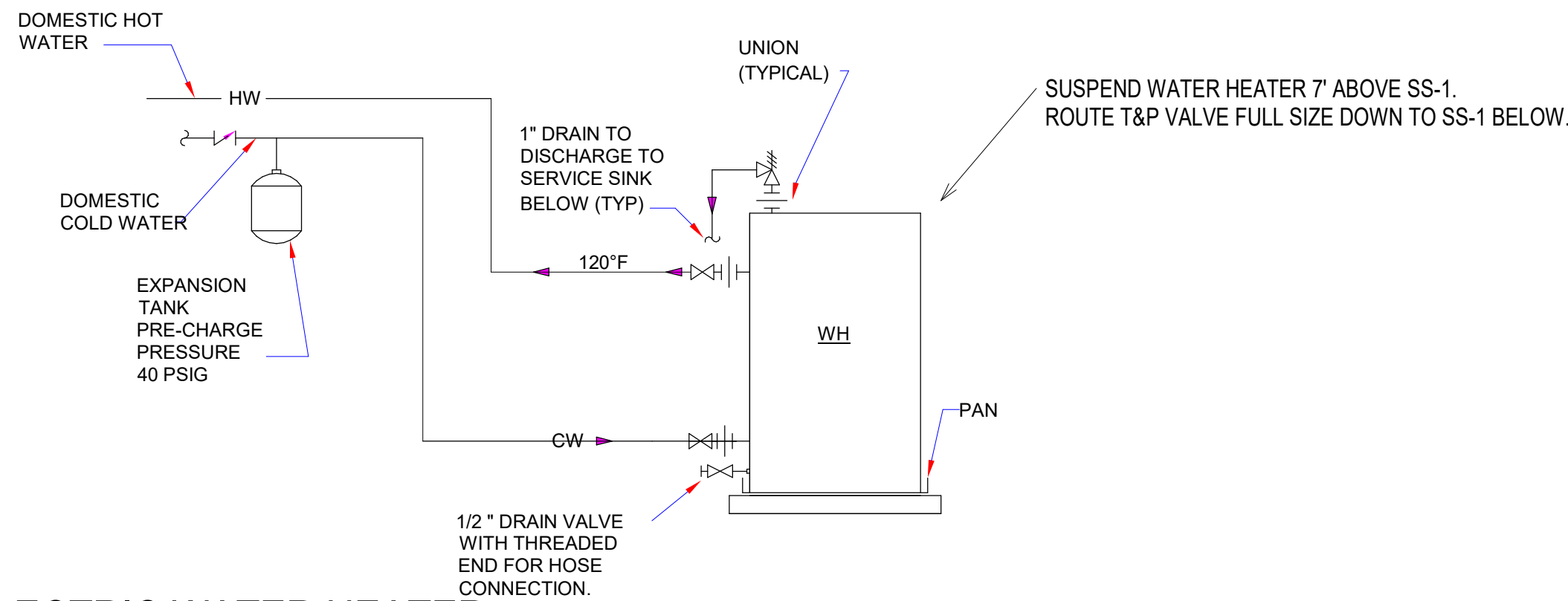
SOURCE: MSS SP-69



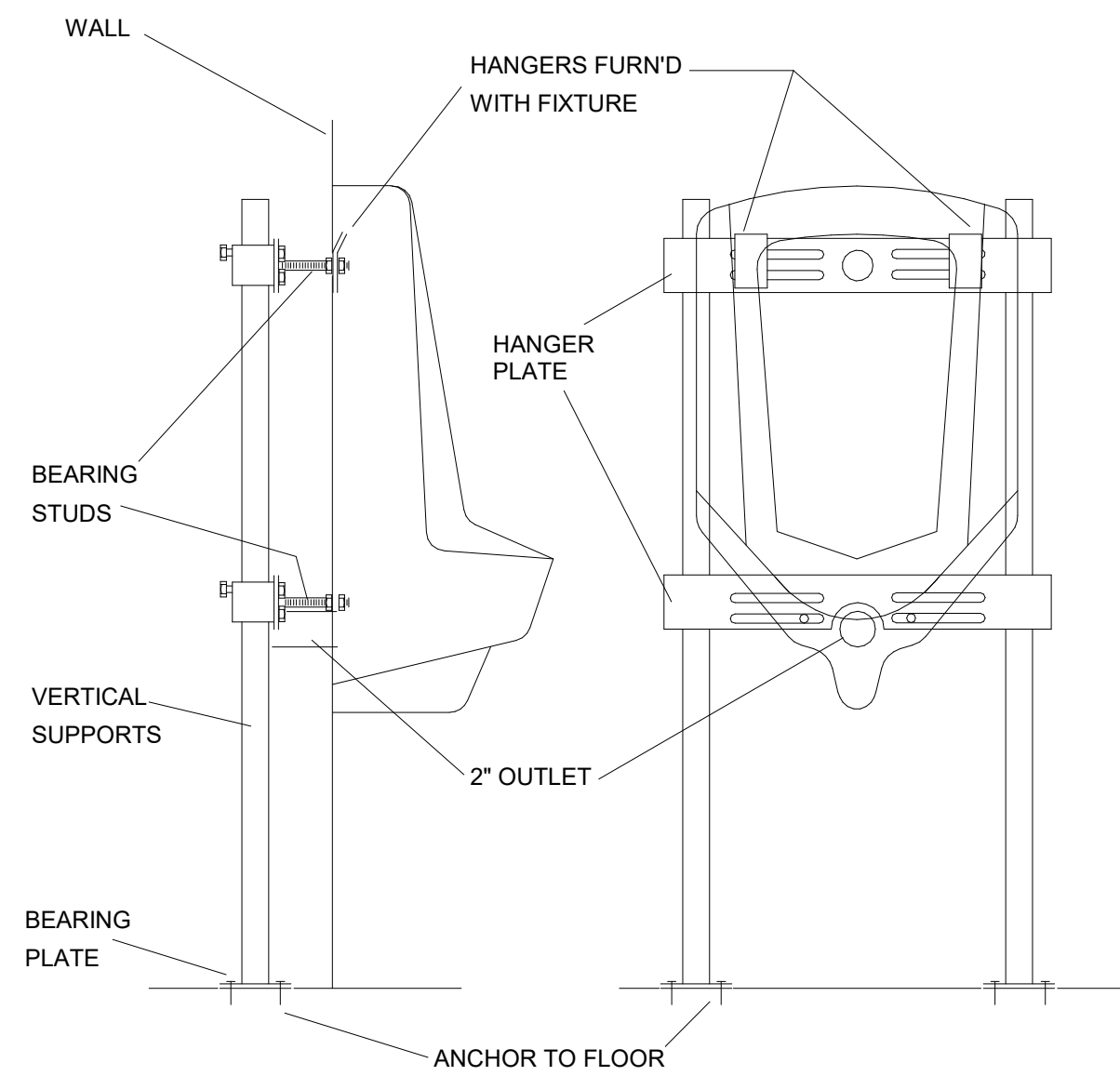
1 WATER HAMMER ARRESTER1
1/8" = 1'-0"



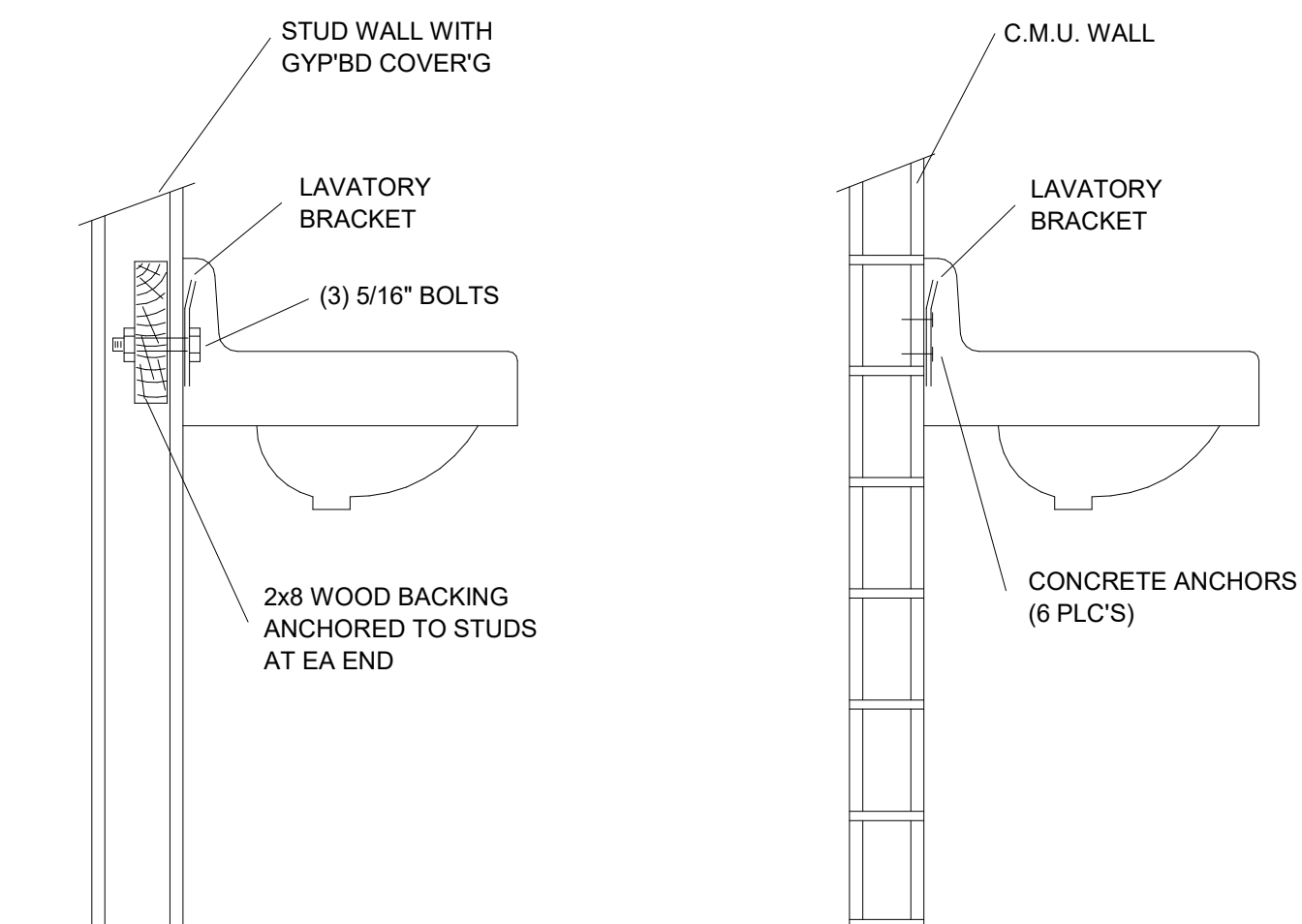
2 POINT OF USE ELECTRIC WATER HEATER
1/8" = 1'-0"



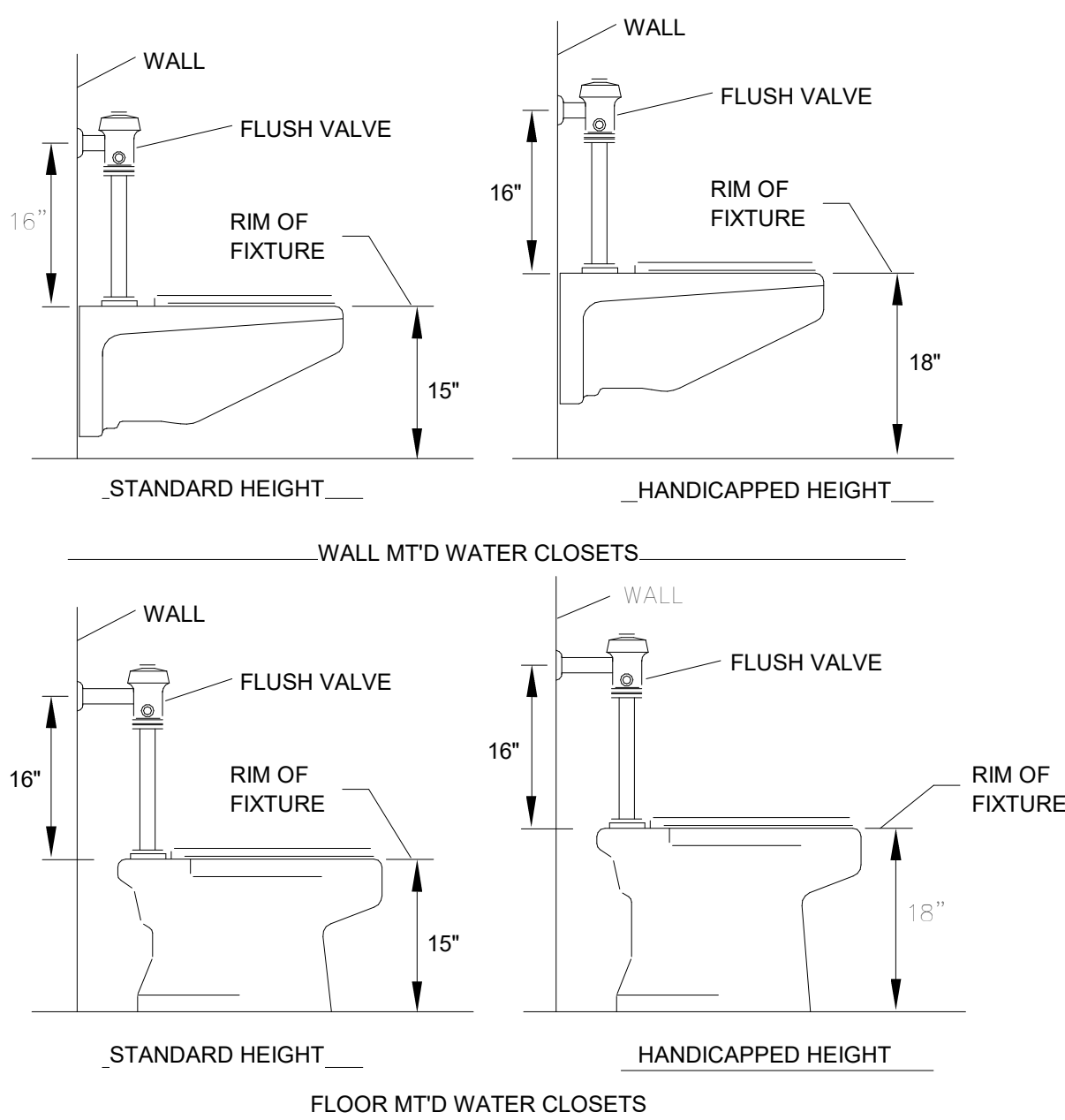
4 ELECTRIC WATER HEATER
1/8" = 1'-0"



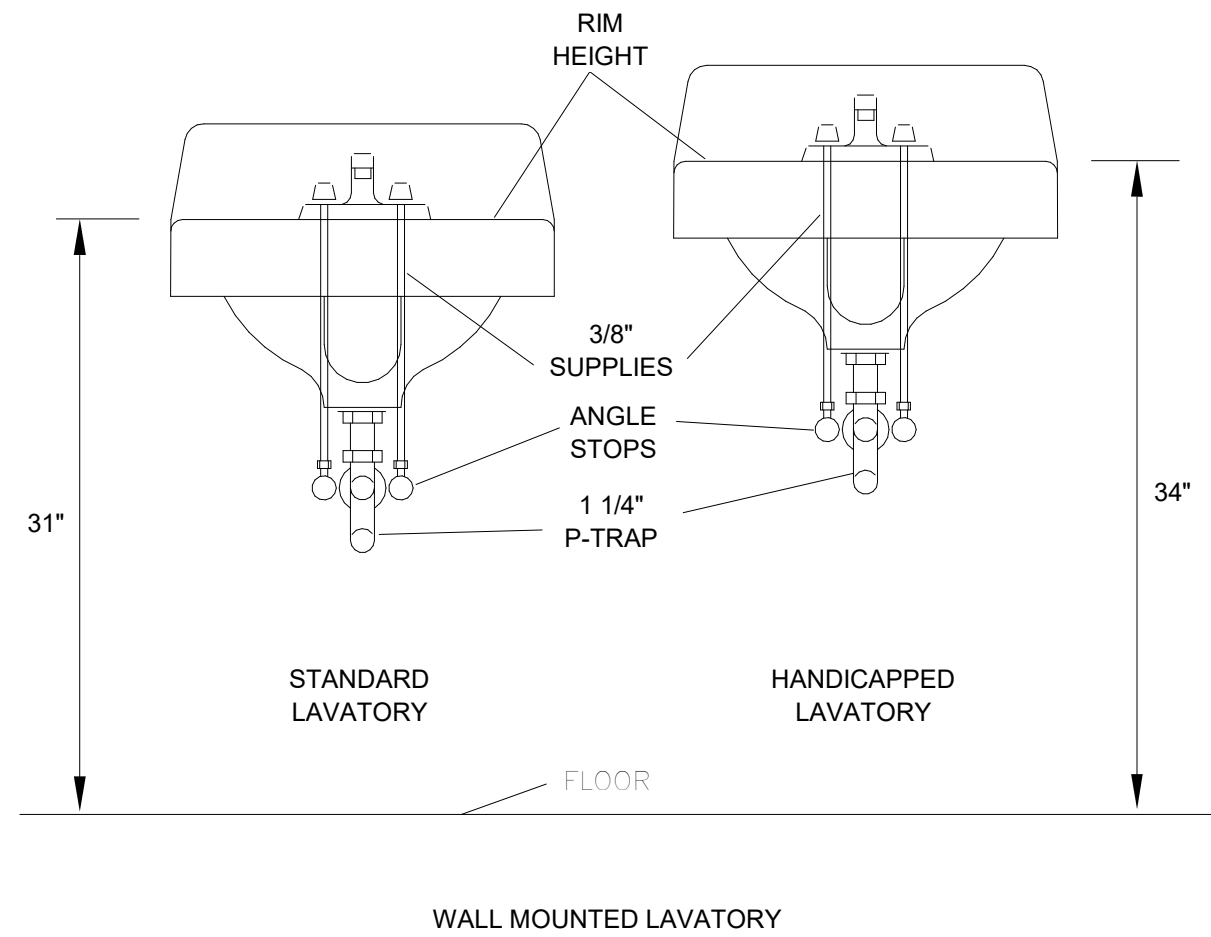
3 URINAL SUPPORT DETAIL
12" = 1'-0"



6 LAVATORY SUPPORT DETAIL
12" = 1'-0"



5 FIXTURE MOUNTING HEIGHTS
12" = 1'-0"



GENERAL NOTES

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A New Construction Project:

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Ellis Theater
Renovation**

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Philadelphia, MS
39350

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No: 01 SET: CD Set DATE: 08/11/21

Drawing:

PLUMBING DETAILS

P.502

2520 White Avenue
Nashville, TN 37204

615.248.3223
dryden.studio



CONSULTING ENGINEERS
104 EAST CHEROKEE STREET
BROOKHAVEN, MS 39601-3307
PHONE (601) 823-0038
FAX (601) 823-0039
www.ichthomasson.com
ICT Project No. 210195

	FIRE ALARM SYSTEM
--	-------------------

COMMUNICATIONS

COMMUNICATIONS

ABBREVIATIONS

SYMBOLS GENERAL NOTES:

- A. ALL MOUNTING HEIGHTS GIVEN IN THE LEGEND, SCHEDULES, PLANS, AND DRAWING NOTES ARE TO THE CENTERLINE OF THE DEVICE, UNLESS OTHERWISE NOTED.
- B. INSTALL ALL SWITCHES AT A CENTERLINE HEIGHT OF 46" A.F.F. UNLESS OTHERWISE NOTED. WHERE SWITCHES OR RECEPTACLES ARE MOUNTED ABOVE CASEWORK OR MILLWORK, LOCATE AT A HEIGHT OF 3'-8" MAX. ABOVE FINISHED FLOOR OR 3" ABOVE BACKSPLASH TO CENTERLINE.
- C. WHERE COVERPLATES CONFLICT WITH CASEWORK OR MILLWORK, SLIGHTLY ADJUST THE MOUNTING HEIGHTS OF THE WIRING DEVICES TO MAKE THE COVERPLATES CLEAR THE COUNTERTOP OR BACKSPLASH BY 1".
- D. ADDITIONAL SYMBOLS MAY BE SHOWN OR DENOTED ON OTHER SHEETS.
- E. ALL SYMBOLS, NOTES, AND ABBREVIATIONS SHOWN ON THE LEGEND ARE NOT NECESSARILY USED IN THIS SET OF CONTRACT DOCUMENTS.
- F. NUMERICAL SUBSCRIPT ADJACENT TO DEVICE FIXTURE, EQUIPMENT OR JUNCTION BOX SYMBOL ON THE DRAWINGS DENOTES THE PANELBOARD CIRCUIT NUMBER TO WHICH DEVICE, FIXTURE, EQUIPMENT OR WIRING IN JUNCTION BOX IS CONNECTED.

A New Construction Project:

MSCM - Ellis Theater Renovation

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197852

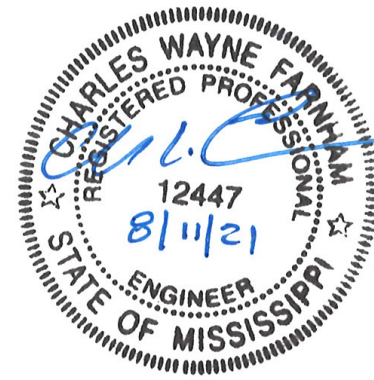
No: 01 SET: CD SET

DATE:
08/11/21

Drawing:

LEGENDS - ELECTRICAL

E100



GENERAL NOTES:

- A. REFER TO ARCHITECTURAL AND INTERIOR DESIGNER REFLECTIVE CEILING PLANS FOR LOCATIONS AND PLACEMENT OF LIGHT FIXTURES.
- B. COORDINATE EXACT LOCATIONS OF LIGHTING FIXTURES WITH STRUCTURAL FRAMEWORK, MECHANICAL DUCTWORK AND EQUIPMENT PRIOR TO ROUGH-IN.
- C. UNLESS OTHERWISE NOTED, 20A/1P BREAKERS SHALL UTILIZE #12 AWG CONDUCTORS. EXCEPTION: WHERE BRANCH CIRCUIT IS IN EXCESS OF 90 LINEAR FEET, CONDUCTORS SHALL BE #10 AWG. WHERE BRANCH CIRCUIT IS IN EXCESS OF 175 LINEAR FEET, CONDUCTORS SHALL BE #8 AWG, AND WHERE BRANCH CIRCUIT IS IN EXCESS OF 260 LINEAR FEET, CONDUCTORS SHALL BE #6 AWG.
- D. ALL EXIT SIGNAGE SHALL BE CIRCUITED UNSWITCHED.
- E. CIRCUIT EXIT SIGNS WITH LOCAL LIFE SAFETY CIRCUIT.
- F. ALL CIRCUITS ARE TO BE SUPPLIED WITH A NEUTRAL.

KEYED NOTES:

1. ENTRY STATIONS ARE PROVIDED BY THEATRICAL SYSTEMS INSTALLER. ELECTRICAL CONTRACTOR TO PROVIDE RACEWAY AND OUTLET BOX SIZED AS COORDINATED WITH THEATRICAL SYSTEMS INSTALLER.



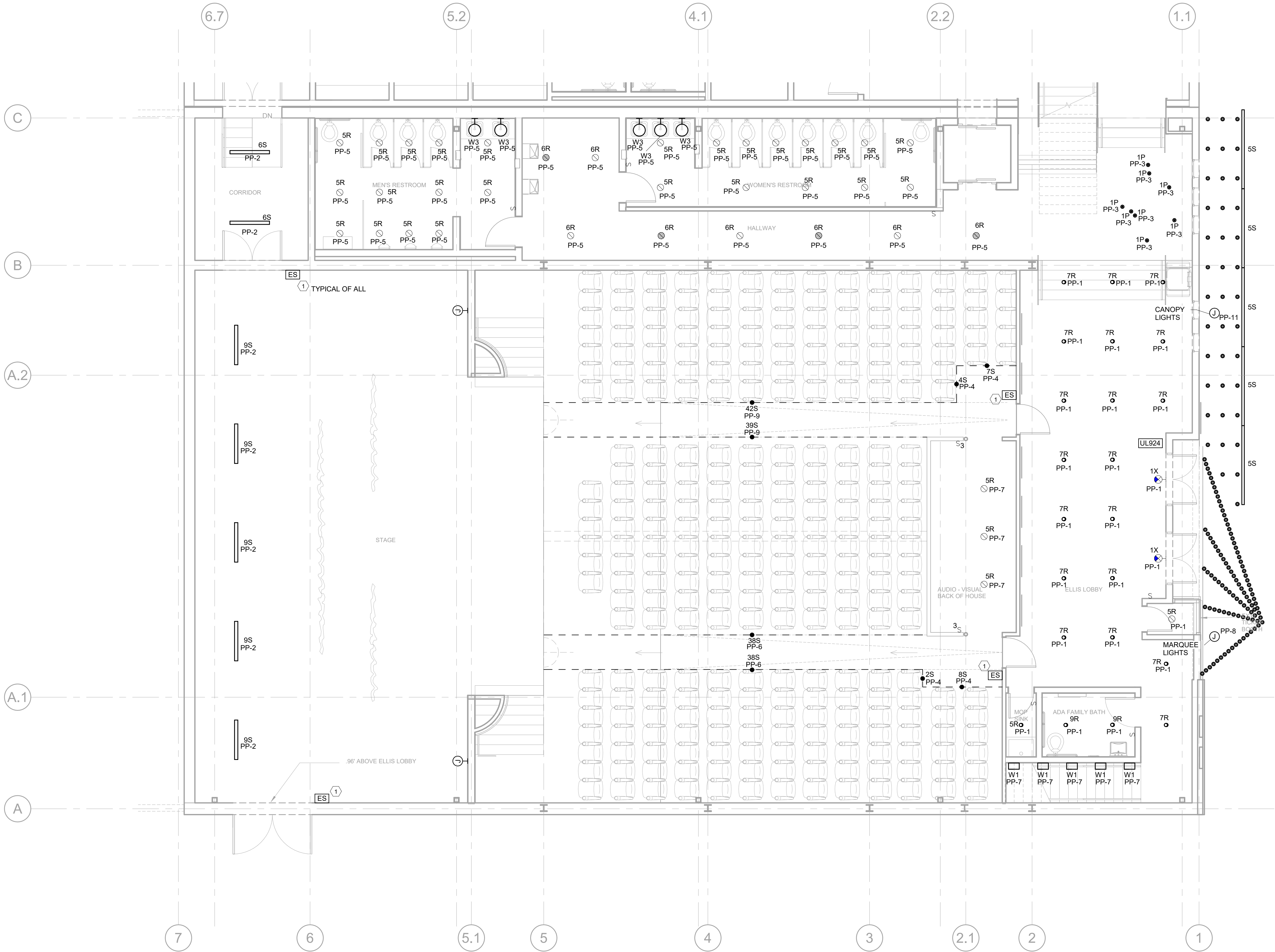
I.C. Thomasson Associates, Inc.

CONSULTING ENGINEERS
104 EAST CHEROKEE STREET
BROOKHAVEN, MS 39601-3307
PHONE (601) 823-0038
FAX (601) 823-0039
www.ictthomasson.com
ICT Project No. 210195

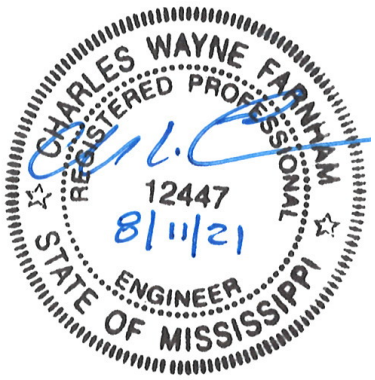
Dryden

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Nashville, TN 37204

615.248.3223
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1 FIRST FLOOR PLAN - LIGHTING
3/16" = 1'-0"



A New Construction Project:
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Drawing:

FIRST FLOOR PLAN -
LIGHTING

E101

GENERAL NOTES:

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- E. CIRCUIT EXIT SIGNS WITH LOCAL LIFE SAFETY CIRCUIT.
- F. ALL CIRCUITS ARE TO BE SUPPLIED WITH A NEUTRAL.

KEYED NOTES: ○

1. ELECTRICAL CONTRACTOR TO COORDINATE LED DRIVER LOCATIONS AND MOUNTING WITH THEATRICAL SYSTEMS INSTALLER AND CONSTRUCTION MANAGER.



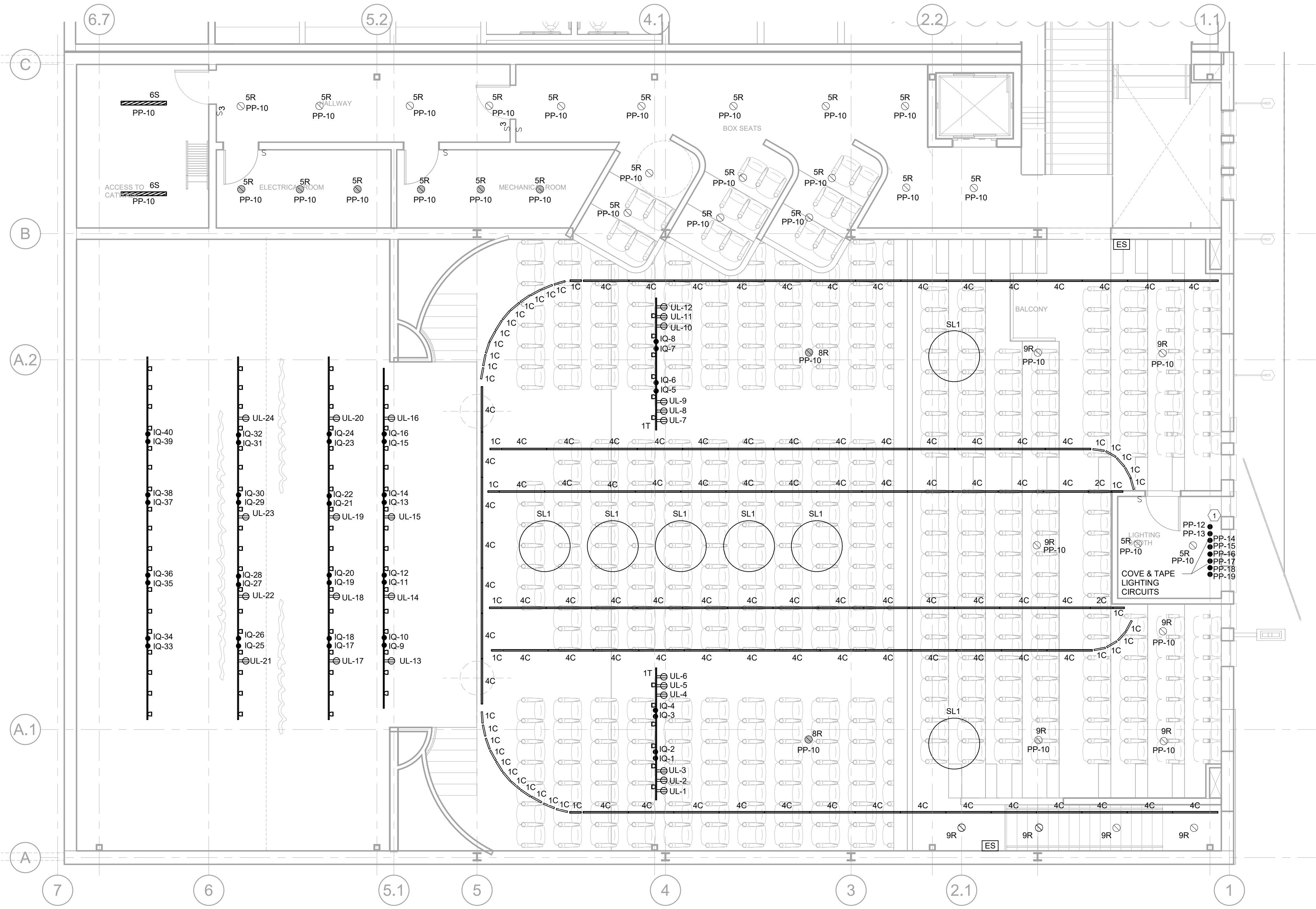
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Drawing:

SECOND FLOOR PLAN - LIGHTING

E102

1 SECOND FLOOR PLAN - LIGHTING
3/16" = 1'-0"



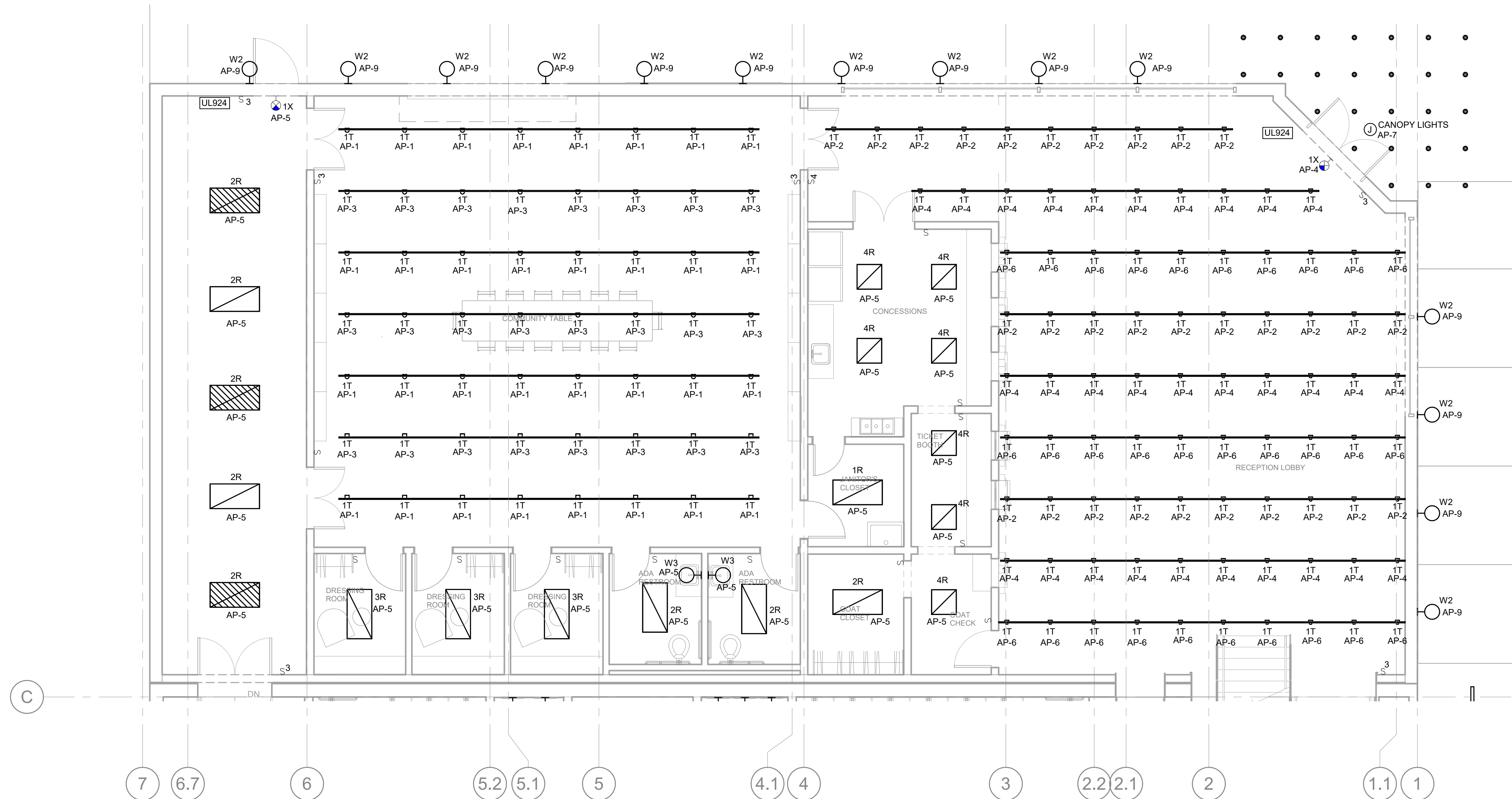
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ICT Project No. 210195

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Nashville, TN 37204

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GENERAL NOTES:

- REFER TO ARCHITECTURAL AND INTERIOR DESIGNER REFLECTIVE CEILING PLANS FOR LOCATIONS AND PLACEMENT OF LIGHT FIXTURES.
- COORDINATE EXACT LOCATIONS OF LIGHTING FIXTURES WITH STRUCTURAL FRAMEWORK, MECHANICAL DUCTWORK AND EQUIPMENT PRIOR TO ROUGH-IN.
- UNLESS OTHERWISE NOTED, 20A/1P BREAKERS SHALL UTILIZE #12 AWG CONDUCTORS. EXCEPTION: WHERE BRANCH CIRCUIT IS IN EXCESS OF 90 LINEAR FEET, CONDUCTORS SHALL BE #10 AWG. WHERE BRANCH CIRCUIT IS IN EXCESS OF 175 LINEAR FEET, CONDUCTORS SHALL BE #8 AWG. AND WHERE BRANCH CIRCUIT IS IN EXCESS OF 260 LINEAR FEET, CONDUCTORS SHALL BE #6 AWG.
- ALL EXIT SIGNAGE SHALL BE CIRCUITED UNSWITCHED.
- CIRCUIT EXIT SIGNS WITH LOCAL LIFE SAFETY CIRCUIT.
- ALL CIRCUITS ARE TO BE SUPPLIED WITH A NEUTRAL.

AUDIO BUILDING FLOOR PLAN -
LIGHTING
3/16" = 1'-0"

A New Construction Project:

MSCCM - Ellis Theater Renovation

Project Site Address:
311 Byrd Ave,
Philadelphia, MS
39350

DAAD Project Number:
197852

No: 01 SET: CD SET DATE: 08/11/21

Drawing:

AUDIO BUILDING FLOOR
PLAN - LIGHTING

E103



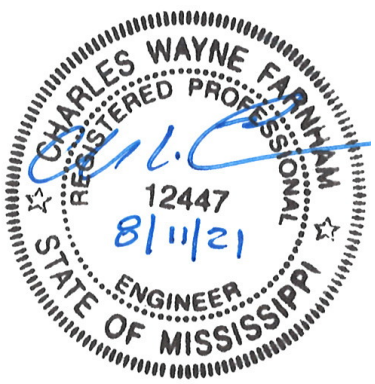
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197852

No: 01 SET: CD SET

DATE:
08/11/21

Drawing:

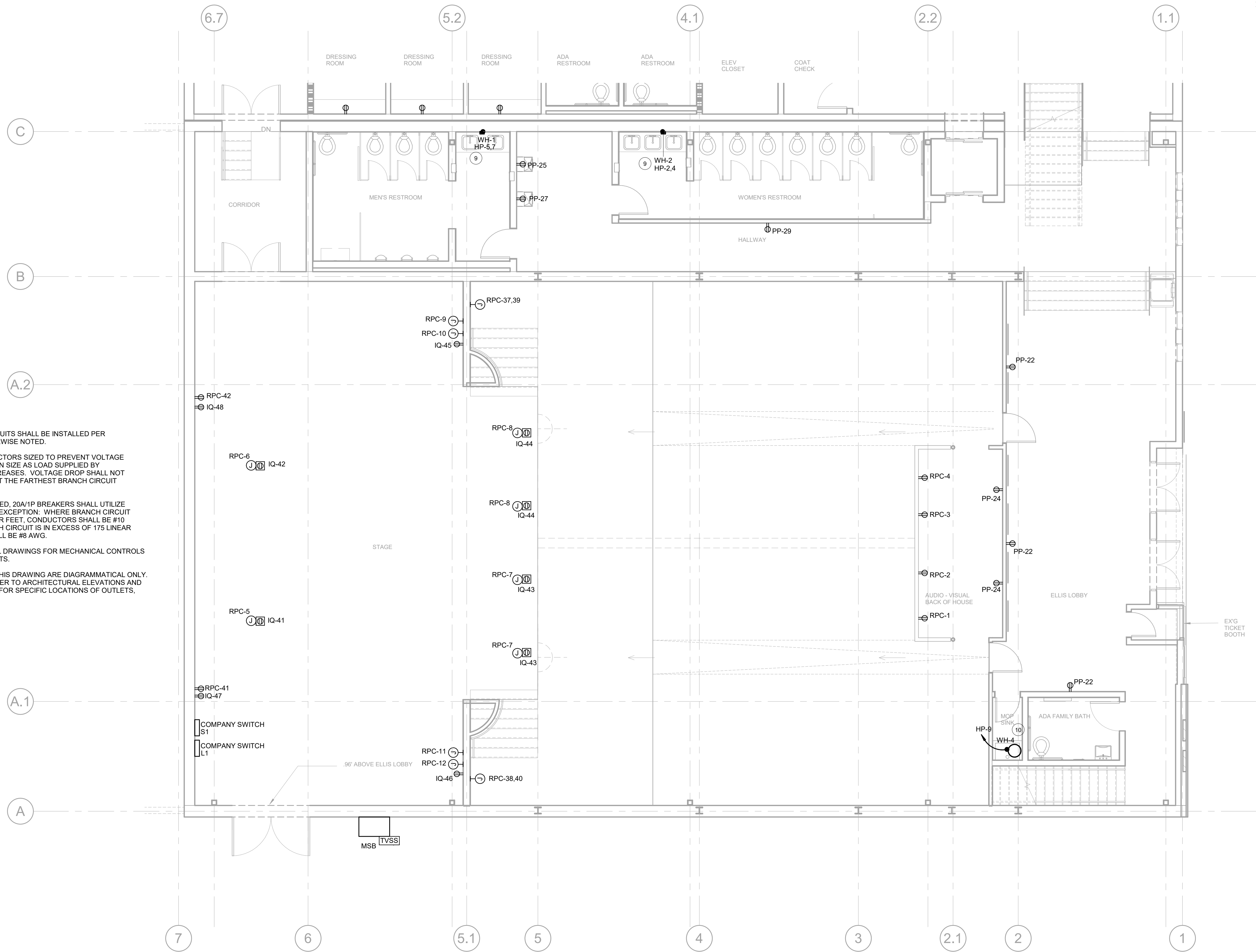
FIRST FLOOR PLAN -
POWER

E201

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GENERAL NOTES:

- MULTIWIRE BRANCH CIRCUITS SHALL BE INSTALLED PER NEC 210.4 UNLESS OTHERWISE NOTED.
- BRANCH CIRCUIT CONDUCTORS SIZED TO PREVENT VOLTAGE DROP MAY BE REDUCED IN SIZE AS LOAD SUPPLIED BY REMAINING CIRCUIT DECREASES. VOLTAGE DROP SHALL NOT EXCEED FIVE PERCENT AT THE FARTHEST BRANCH CIRCUIT LOAD.
- UNLESS OTHERWISE NOTED, 20A/1P BREAKERS SHALL UTILIZE #12 AWG CONDUCTORS. EXCEPTION: WHERE BRANCH CIRCUIT IS IN EXCESS OF 90 LINEAR FEET, CONDUCTORS SHALL BE #10 AWG AND WHERE BRANCH CIRCUIT IS IN EXCESS OF 175 LINEAR FEET, CONDUCTORS SHALL BE #8 AWG.
- REFERENCE MECHANICAL DRAWINGS FOR MECHANICAL CONTROLS INTERFACE/REQUIREMENTS.
- DEVICES INDICATED ON THIS DRAWING ARE DIAGRAMMATICAL ONLY. CONTRACTOR SHALL REFER TO ARCHITECTURAL ELEVATIONS AND INTERIOR DESIGN PLANS FOR SPECIFIC LOCATIONS OF OUTLETS, SWITCHES, ETC.





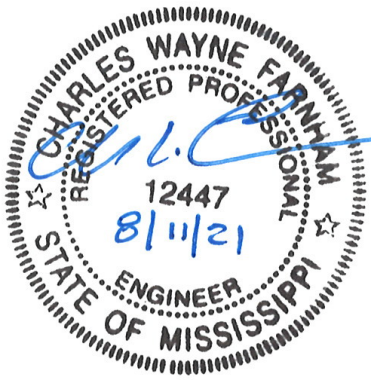
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Drawing:

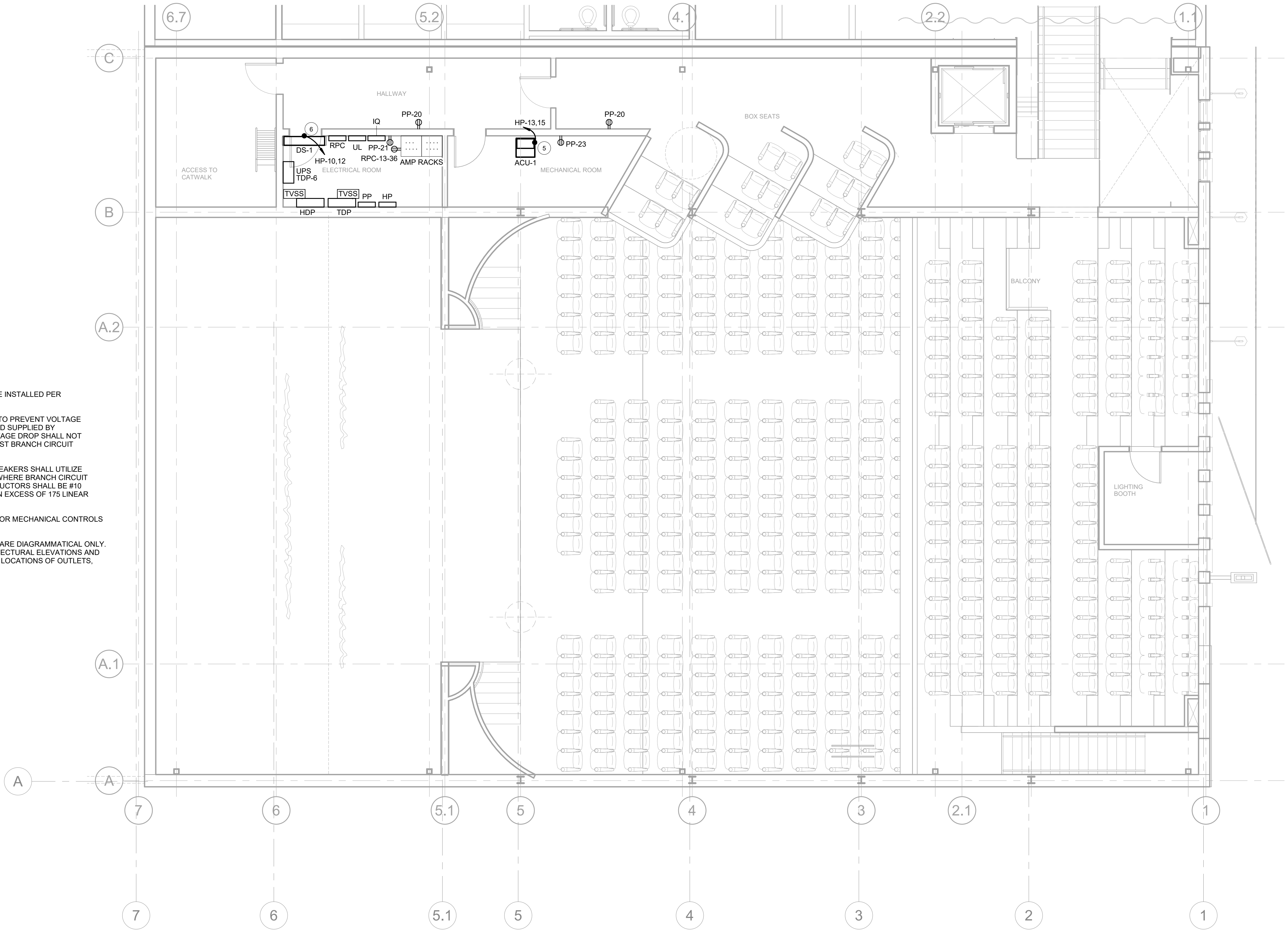
SECOND FLOOR PLAN -
POWER

E202

1 SECOND FLOOR PLAN - POWER
3/16" = 1'-0"

GENERAL NOTES:

- MULTIWIRE BRANCH CIRCUITS SHALL BE INSTALLED PER NEC 210.4 UNLESS OTHERWISE NOTED.
- BRANCH CIRCUIT CONDUCTORS SIZED TO PREVENT VOLTAGE DROP MAY BE REDUCED IN SIZE AS LOAD SUPPLIED BY REMAINING CIRCUIT DECREASES. VOLTAGE DROP SHALL NOT EXCEED FIVE PERCENT AT THE FARTHEST BRANCH CIRCUIT LOAD.
- UNLESS OTHERWISE NOTED, 20A/1P BREAKERS SHALL UTILIZE #12 AWG CONDUCTORS. EXCEPTION: WHERE BRANCH CIRCUIT IS IN EXCESS OF 90 LINEAR FEET, CONDUCTORS SHALL BE #10 AWG AND WHERE BRANCH CIRCUIT IS IN EXCESS OF 175 LINEAR FEET, CONDUCTORS SHALL BE #8 AWG.
- REFERENCE MECHANICAL DRAWINGS FOR MECHANICAL CONTROLS INTERFACE/REQUIREMENTS.
- DEVICES INDICATED ON THIS DRAWING ARE DIAGRAMMATICAL ONLY. CONTRACTOR SHALL REFER TO ARCHITECTURAL ELEVATIONS AND INTERIOR DESIGN PLANS FOR SPECIFIC LOCATIONS OF OUTLETS, SWITCHES, ETC.





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E203



- 1 AUDIO BUILDING FLOOR PLAN - POWER
3/16" = 1'-0"



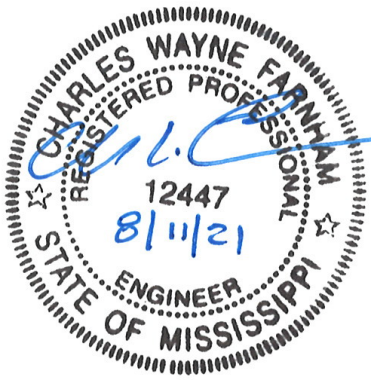
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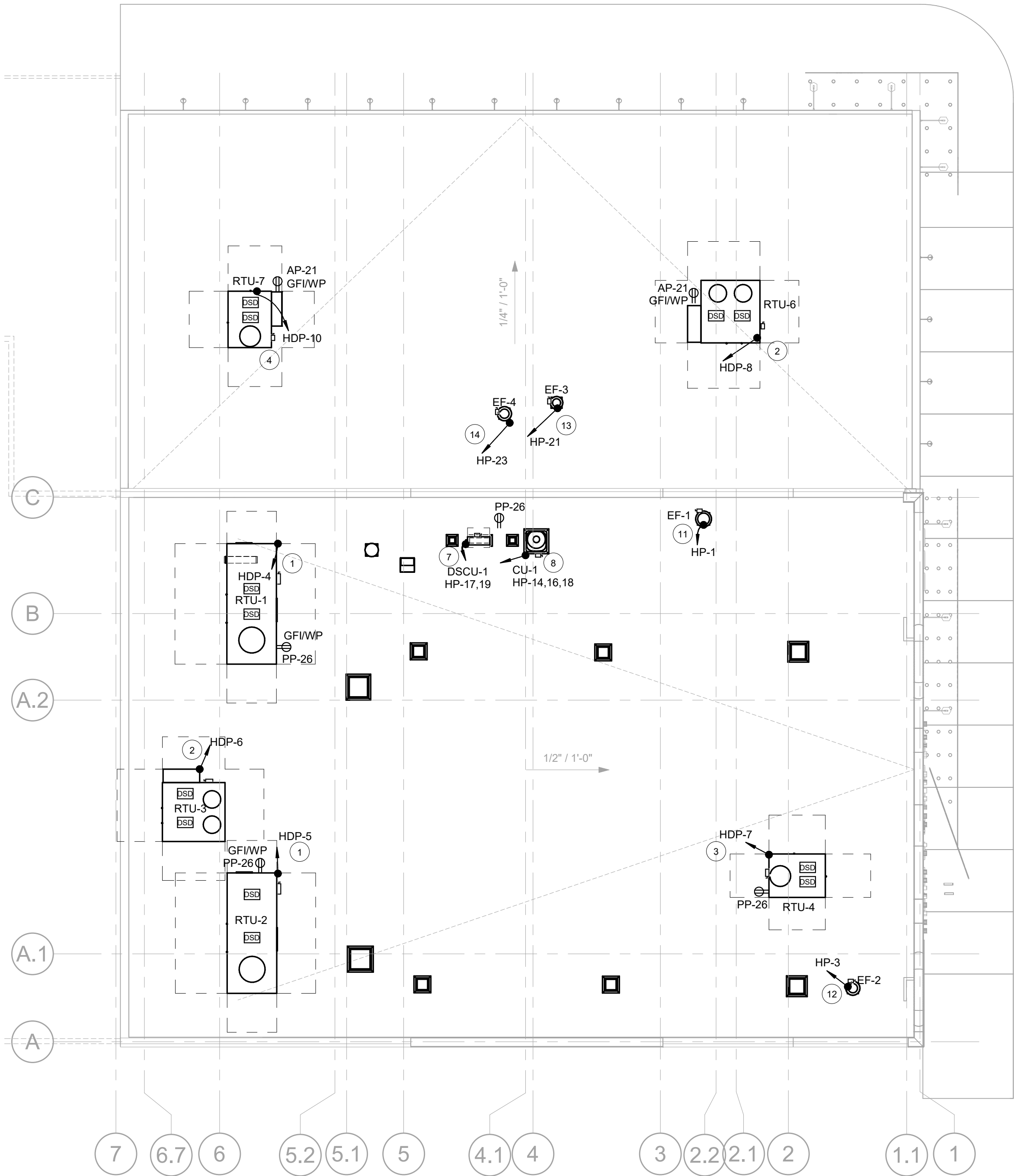
Drawing:

ROOF PLAN - POWER &
SYSTEMS

E204

GENERAL NOTES:

- MULTIWIRE BRANCH CIRCUITS SHALL BE INSTALLED PER NEC 210.4 UNLESS OTHERWISE NOTED.
- BRANCH CIRCUIT CONDUCTORS SIZED TO PREVENT VOLTAGE DROP MAY BE REDUCED IN SIZE AS LOAD SUPPLIED BY REMAINING CIRCUIT DECREASES. VOLTAGE DROP SHALL NOT EXCEED FIVE PERCENT AT THE FARTHEST BRANCH CIRCUIT LOAD.
- UNLESS OTHERWISE NOTED, 20A/1P BREAKERS SHALL UTILIZE #12 AWG CONDUCTORS. EXCEPTION: WHERE BRANCH CIRCUIT IS IN EXCESS OF 90 LINEAR FEET, CONDUCTORS SHALL BE #10 AWG AND WHERE BRANCH CIRCUIT IS IN EXCESS OF 175 LINEAR FEET, CONDUCTORS SHALL BE #8 AWG.
- REFERENCE MECHANICAL DRAWINGS FOR MECHANICAL CONTROLS INTERFACE/REQUIREMENTS.
- DEVICES INDICATED ON THIS DRAWING ARE DIAGRAMMATICAL ONLY. CONTRACTOR SHALL REFER TO ARCHITECTURAL ELEVATIONS AND INTERIOR DESIGN PLANS FOR SPECIFIC LOCATIONS OF OUTLETS, SWITCHES, ETC.



1 ROOF PLAN - POWER & SYSTEMS
3/32" = 1'-0"



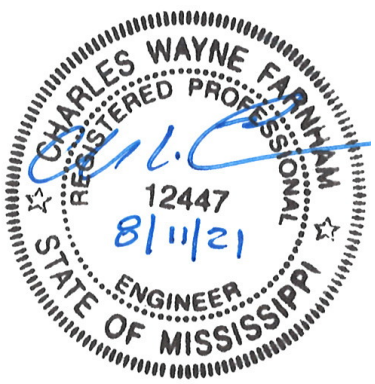
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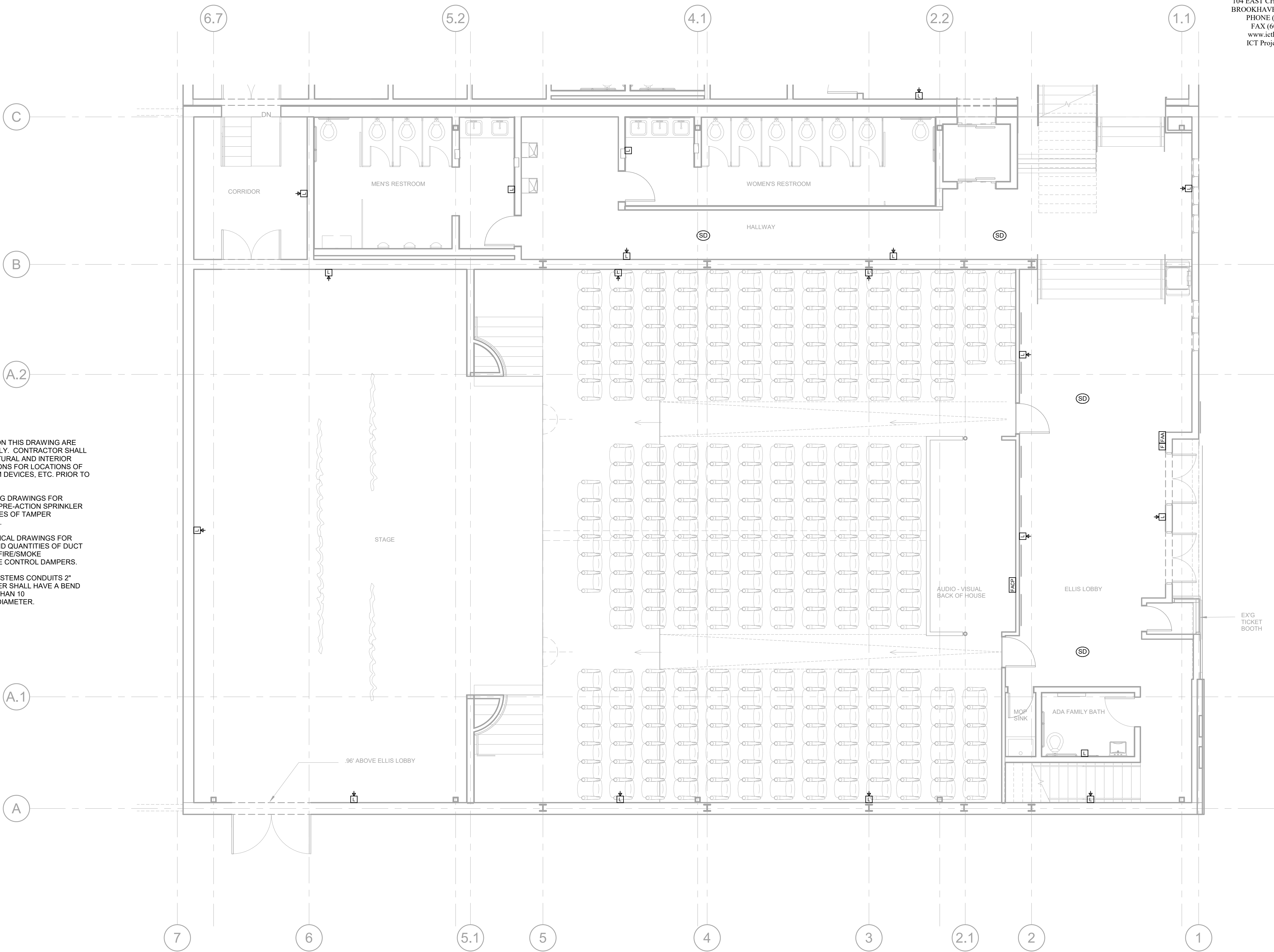
Drawing:

FIRST FLOOR PLAN -
SYSTEMS

E301

GENERAL NOTES:

- DEVICES INDICATED ON THIS DRAWING ARE DIAGRAMMATICAL ONLY. CONTRACTOR SHALL REFER TO ARCHITECTURAL AND INTERIOR DESIGNER'S ELEVATIONS FOR LOCATIONS OF OUTLETS, FIRE ALARM DEVICES, ETC. PRIOR TO ROUGH-IN.
- REFERENCE PLUMBING DRAWINGS FOR EXACT LOCATION OF PRE-ACTION SPRINKLER ZONES AND QUANTITIES OF TAMPER AND FLOW SWITCHES.
- REFERENCE MECHANICAL DRAWINGS FOR EXACT LOCATIONS AND QUANTITIES OF DUCT SMOKE DETECTORS, FIRE/SMOKE DAMPERS AND SMOKE CONTROL DAMPERS.
- COMMUNICATIONS/SYSTEMS CONDUITS 2" DIAMETER AND LARGER SHALL HAVE A BEND RADIUS OF NO LESS THAN 10 TIMES THE CONDUIT DIAMETER.



1 FIRST FLOOR PLAN - SYSTEMS
3/16" = 1'-0"



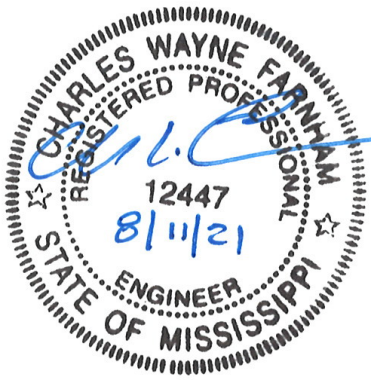
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01	CD SET	08/11/21

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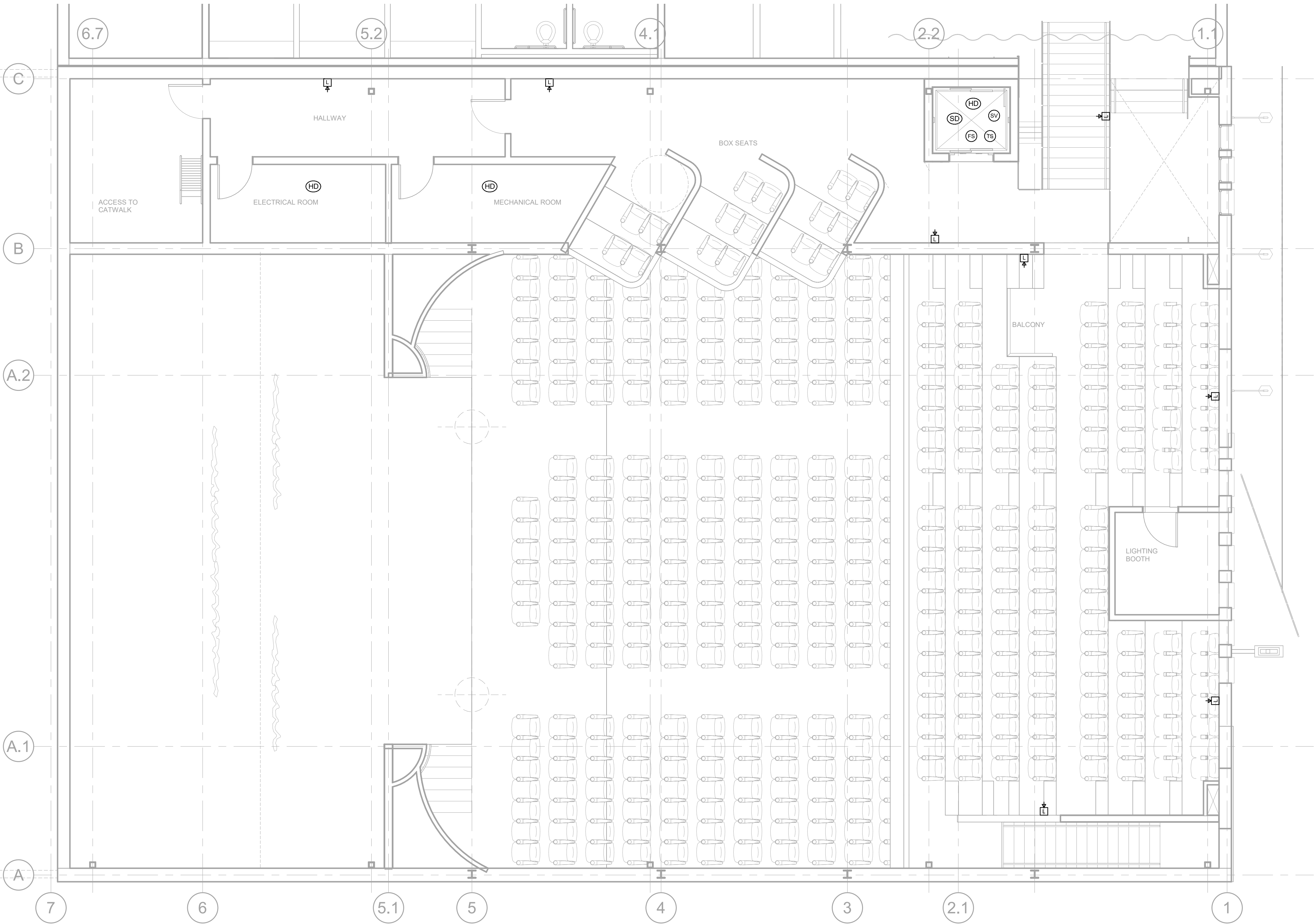
SECOND FLOOR PLAN -
SYSTEMS

E302

1 SECOND FLOOR PLAN - SYSTEMS
3/16" = 1'-0"

GENERAL NOTES:

- A. DEVICES INDICATED ON THIS DRAWING ARE DIAGRAMMATICAL ONLY. CONTRACTOR SHALL REFER TO ARCHITECTURAL AND INTERIOR DESIGNER'S ELEVATIONS FOR LOCATIONS OF OUTLETS, FIRE ALARM DEVICES, ETC. PRIOR TO ROUGH-IN.
- B. REFERENCE PLUMBING DRAWINGS FOR EXACT LOCATION OF PRE-ACTION SPRINKLER ZONES AND QUANTITIES OF TAMPER AND FLOW SWITCHES.
- C. REFERENCE MECHANICAL DRAWINGS FOR EXACT LOCATIONS AND QUANTITIES OF DUCT SMOKE DETECTORS, FIRE/SMOKE DAMPERS AND SMOKE CONTROL DAMPERS.
- D. COMMUNICATIONS/SYSTEMS CONDUITS 2" DIAMETER AND LARGER SHALL HAVE A BEND RADIUS OF NO LESS THAN 10 TIMES THE CONDUIT DIAMETER.





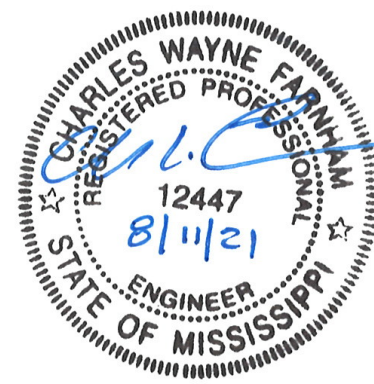
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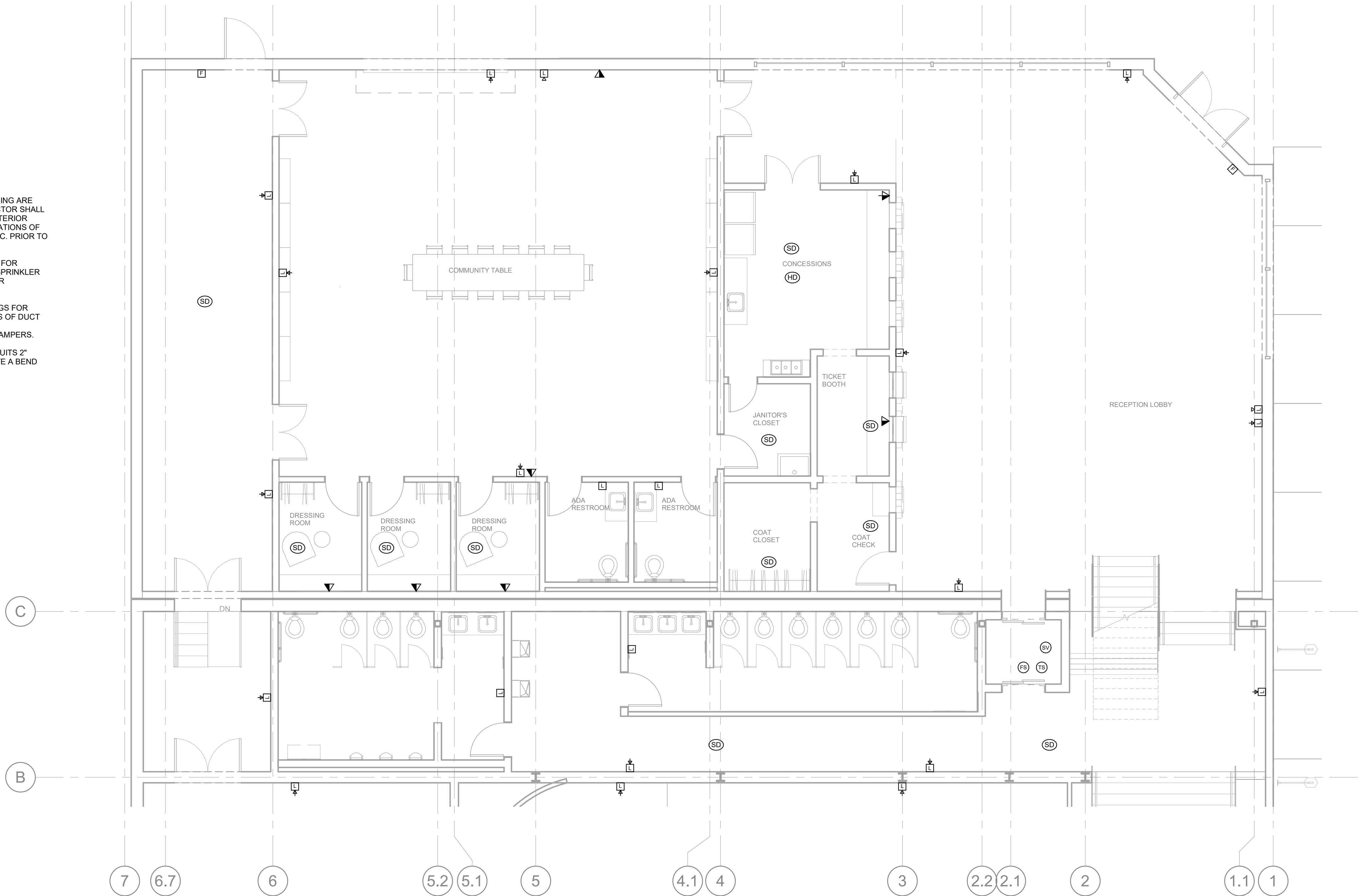
AUDIO BUILDNG FLOOR
PLAN - SYSTEMS

E303

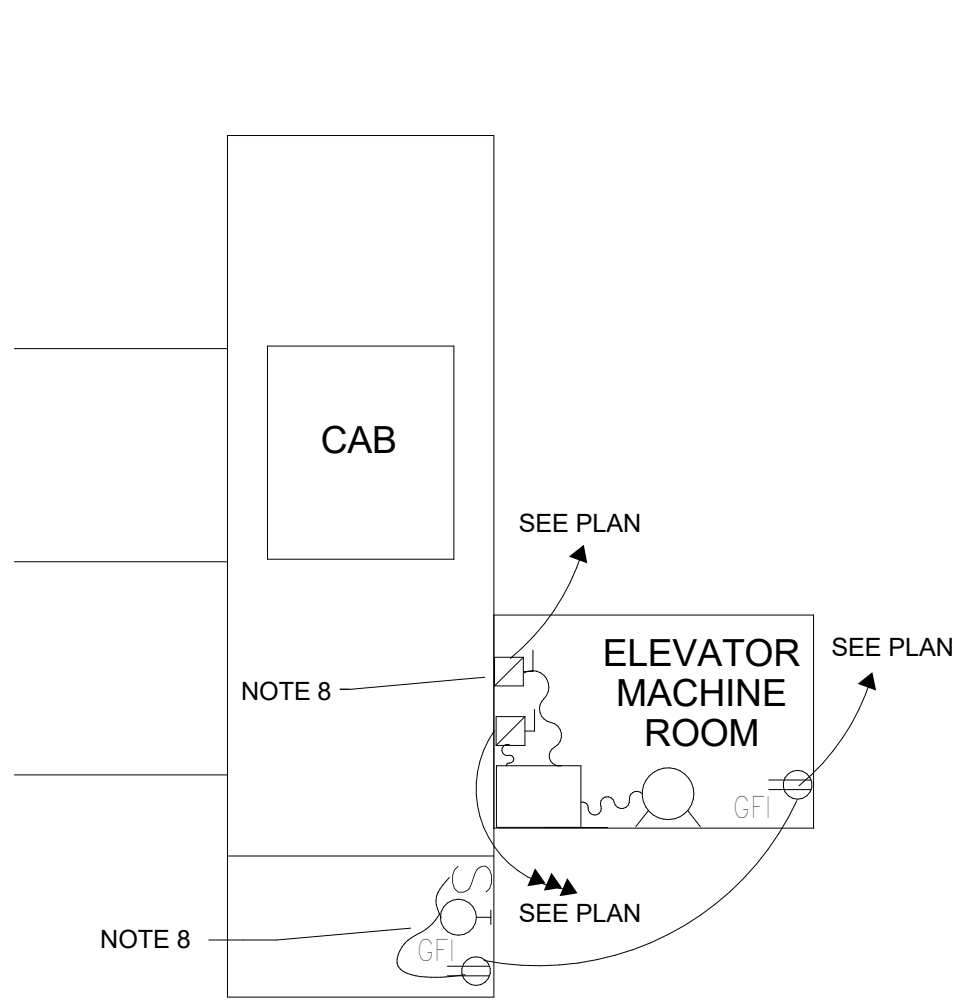
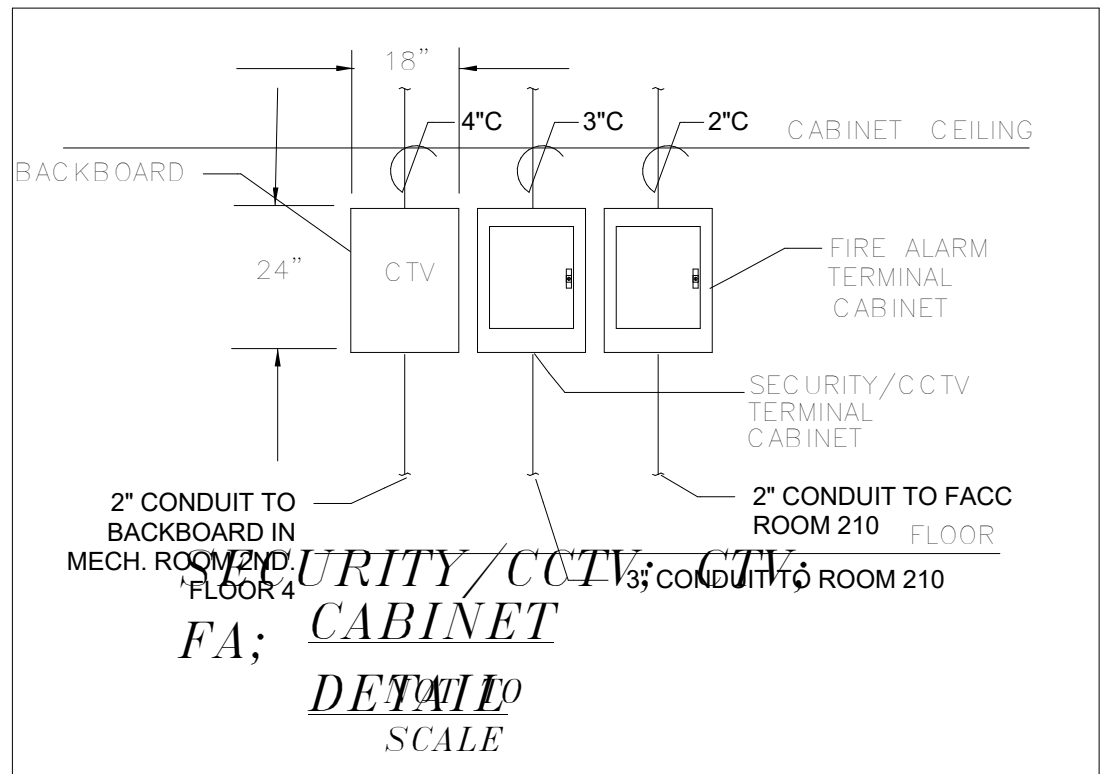
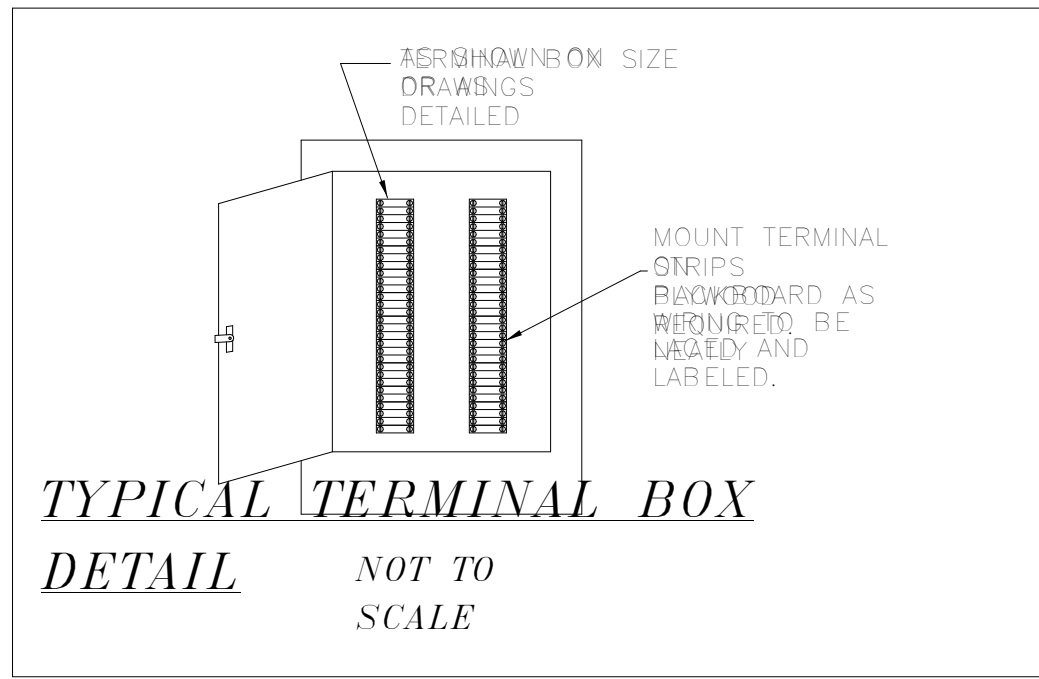
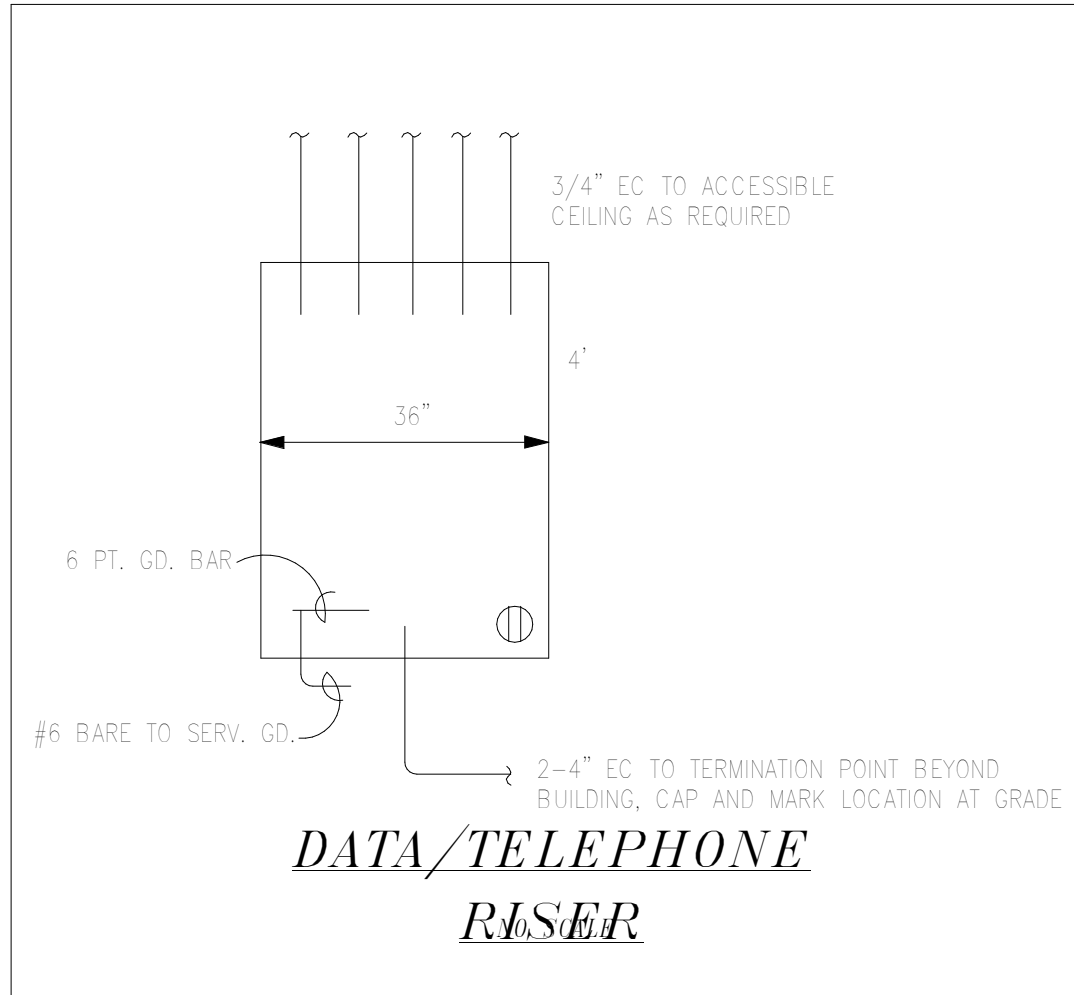
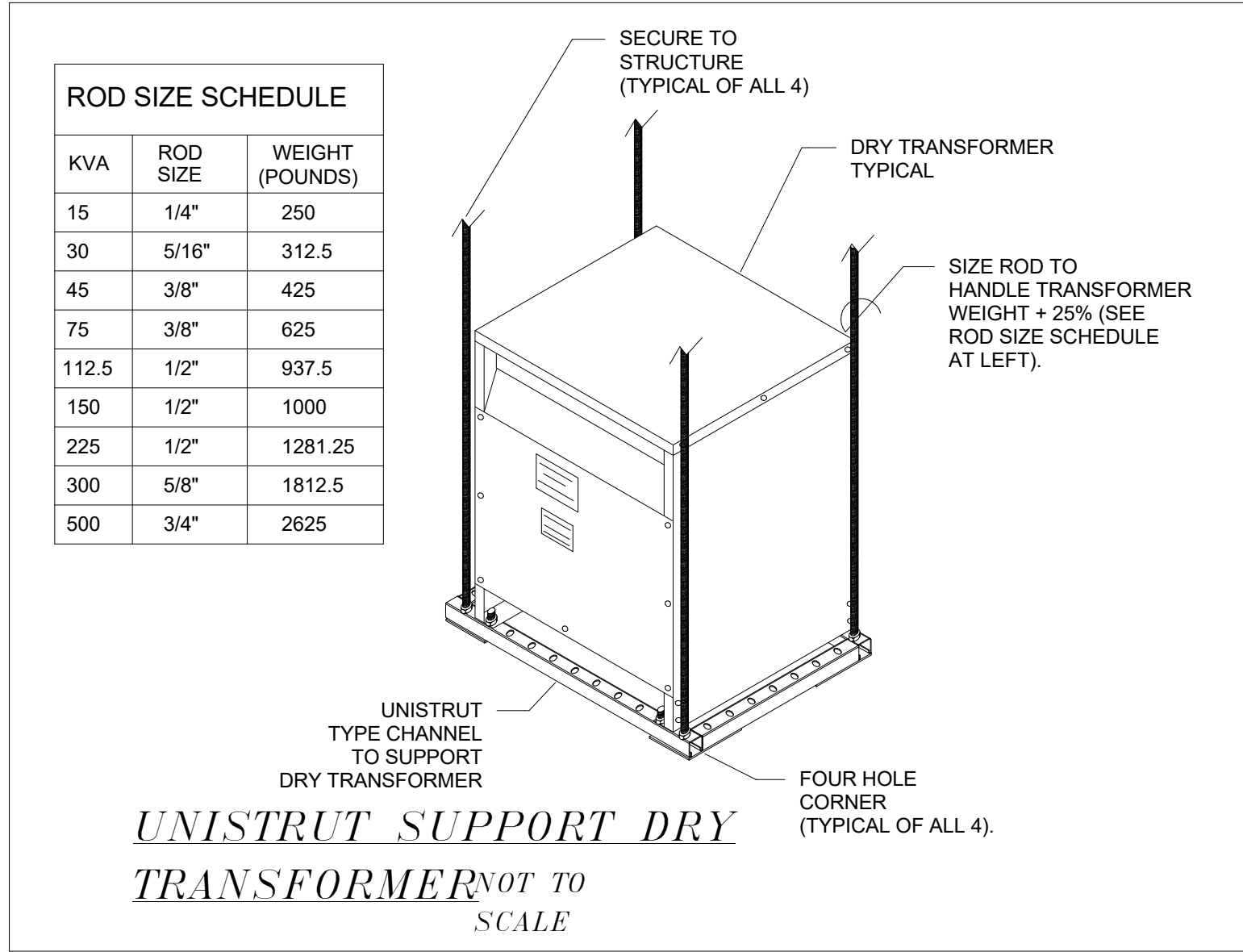
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GENERAL NOTES:

- DEVICES INDICATED ON THIS DRAWING ARE DIAGRAMMATICAL ONLY. CONTRACTOR SHALL REFER TO ARCHITECTURAL AND INTERIOR DESIGNER'S ELEVATIONS FOR LOCATIONS OF OUTLETS, FIRE ALARM DEVICES, ETC. PRIOR TO ROUGH-IN.
- REFERENCE PLUMBING DRAWINGS FOR EXACT LOCATION OF PRE-ACTION SPRINKLER ZONES AND QUANTITIES OF TAMPER AND FLOW SWITCHES.
- REFERENCE MECHANICAL DRAWINGS FOR EXACT LOCATIONS AND QUANTITIES OF DUCT SMOKE DETECTORS, FIRE/SMOKE DAMPERS AND SMOKE CONTROL DAMPERS.
- COMMUNICATIONS/SYSTEMS CONDUITS 2" DIAMETER AND LARGER SHALL HAVE A BEND RADIUS OF NO LESS THAN 10 TIMES THE CONDUIT DIAMETER.



AUDIO BUILDING FLOOR PLAN -
SYSTEMS
1
3/16" = 1'-0"



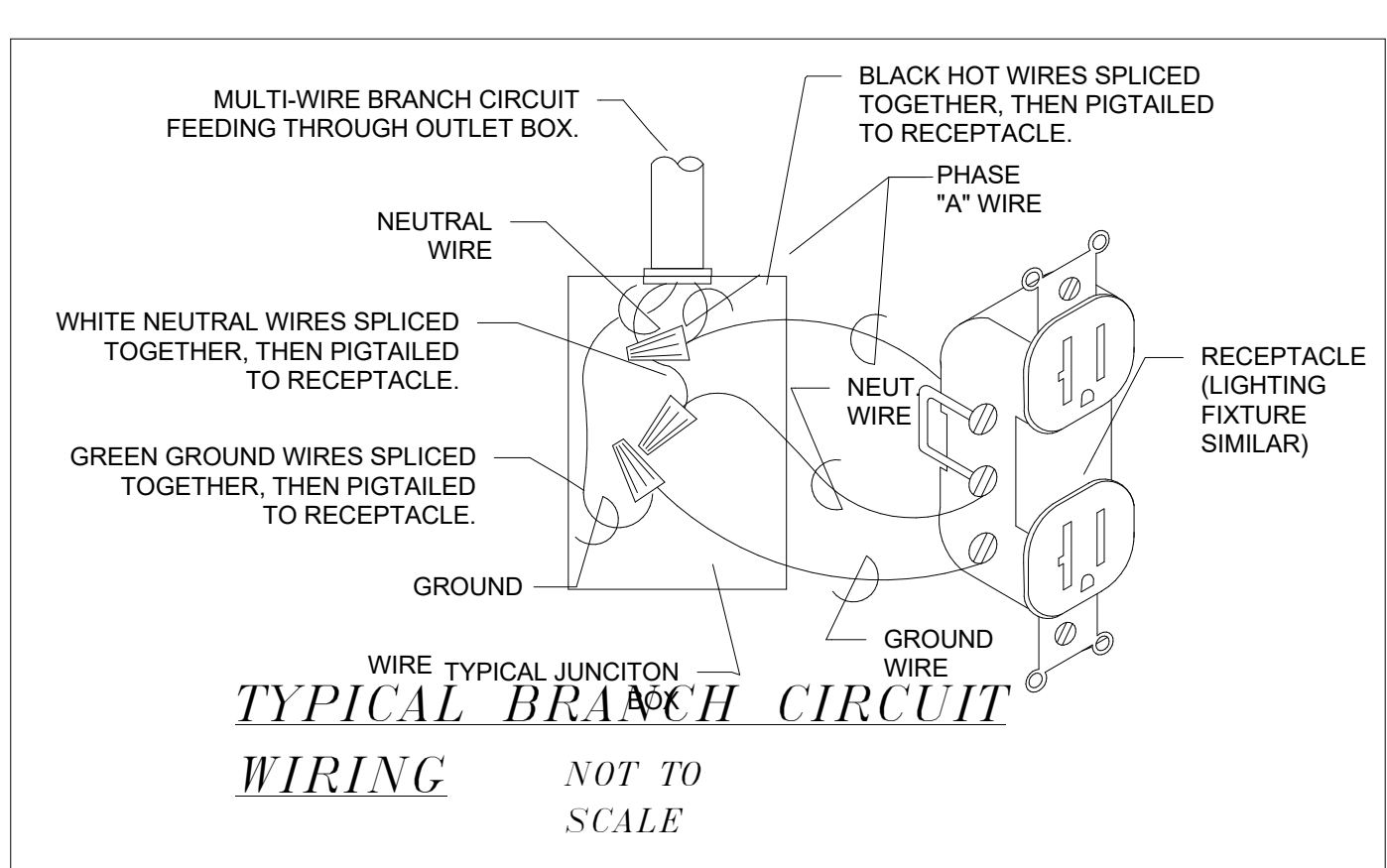
LEGEND

- GROUND-FAULT INTERRUPTER RECEPTACLE
- SWITCH FOR PIT LIGHTING
- PITS LIGHTING: MODEL: APPLETON CAT.#08VW10G-A
- DISCONNECT SWITCH W/FUSE

ELEVATOR POWER REQUIREMENTS

SCALE

- NOTES:
- ALL POWER REQUIREMENT DATA IS BASED ON A SINGLE CAR ELEVATOR OPERATING AT RATED SPEED AND CAPACITY. VERIFY WITH EQUIPMENT ACTUALLY SUPPLIED.
 - THE BRANCH CIRCUIT PROTECTION DEVICE AND SIZE MUST COMPLY WITH THE LOCAL ELECTRICAL CODE. THE NATIONAL ELECTRICAL CODE ARTICLE 620 AND 430, PART D, MAY BE USED FOR REFERENCE IN SIZING THE BRANCH CIRCUIT PROTECTION DEVICE. BRANCH CIRCUIT PROTECTION DEVICE MUST HAVE SHUNT TRIP.
 - THE BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED TO PRODUCE NO MORE THAN 10% VOLTAGE DROP BASED ON THE MOTOR NAMEPLATE VOLTAGE DURING MOTOR STARTING AND NO MORE THAN 5% VOLTAGE DROP FOR FULL LOAD OPERATION OF THE MOTOR. THE BRANCH CIRCUIT CONDUCTOR SHALL BE COPPER AND THE INSULATION TYPE MUST COMPLY WITH THE LOCAL ELECTRICAL CODE. THE NATIONAL ELECTRICAL CODE ARTICLE 620, PART B, MAY BE USED FOR REFERENCE TO DETERMINE THE BRANCH CIRCUIT CONDUCTOR SIZE AND INSULATION TYPE. A FOURTH WIRE IS REQUIRED FOR GROUNDING PURPOSES TO MINIMIZE ELECTRICAL NOISE INTERFERENCE. THE CONDUIT CONTAINING THE POWER CABLE MUST NOT BE USED AS THE GROUND TO THE SYSTEM. THE GROUND CONDUCTOR SHALL BE COPPER. THE GROUND CONDUCTOR SIZE AND INSULATION TYPE MUST COMPLY WITH THE LOCAL ELECTRICAL CODE.
 - MAXIMUM VOLTAGE VARIATION +/-10% OF HYDRAULIC MOTOR NAMEPLATE VOLTAGE.
 - MAXIMUM VOLTAGE VARIATION +/-5% OF HYDRAULIC MOTOR NAMEPLATE VOLTAGE.
 - MAXIMUM SPECIFIED MOTOR DUTY CYCLE: 30% TIME-ON FOR ONE HOUR.
 - MAXIMUM SPECIFIED MOTOR STARTS/HOURS:
 - FOR DRY HYDRAULIC ELEVATOR MOTORS, 120 STARTS/HOUR.
 - FOR SUBMERSIBLE HYDRAULIC ELEVATOR MOTORS, 80 STARTS/HOUR.
 - AUXILIARY AND CONTROL POWER REQUIREMENTS. NOTE: ALL 120V 1 PHASE, 15A AND 20A RECEPTACLES INSTALLED IN MACHINE ROOMS, MACHINERY SPACES, PITS AND ELEVATOR CAR TOPS SHALL HAVE GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION PER NEC ARTICLE 620-85.
 - LIGHTING AND ACCESSORY POWER SUPPLY REQUIREMENTS: DEDICATED 120V, 15A, 1Ø SERVICE WITH GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION. IF STAND-BY POWER IS SUPPLIED TO THE ELEVATOR LIGHTING AND ACCESSORIES.
 - GROUP CONTROL POWER SUPPLY REQUIREMENTS: DEDICATED 120V, 15A 1Ø SERVICE. IF STANDBY POWER IS SUPPLIED TO THE ELEVATOR STANDBY POWER MUST ALSO BE SUPPLIED TO THE ELEVATOR GROUP CONTROLLED.
 - THE STANDBY CONTROL TRANSFORMER CURRENT IS APPROXIMATELY 50% OF THE CURRENT INDICATED IN THE TABLES UNDER CONTROL TRANSFORMER AC AMPS.



ICT

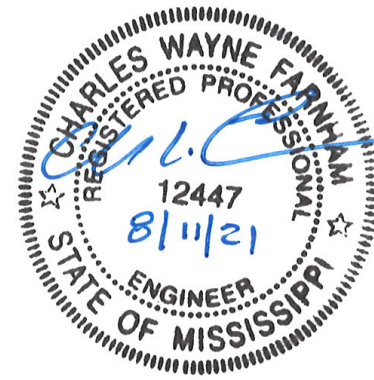
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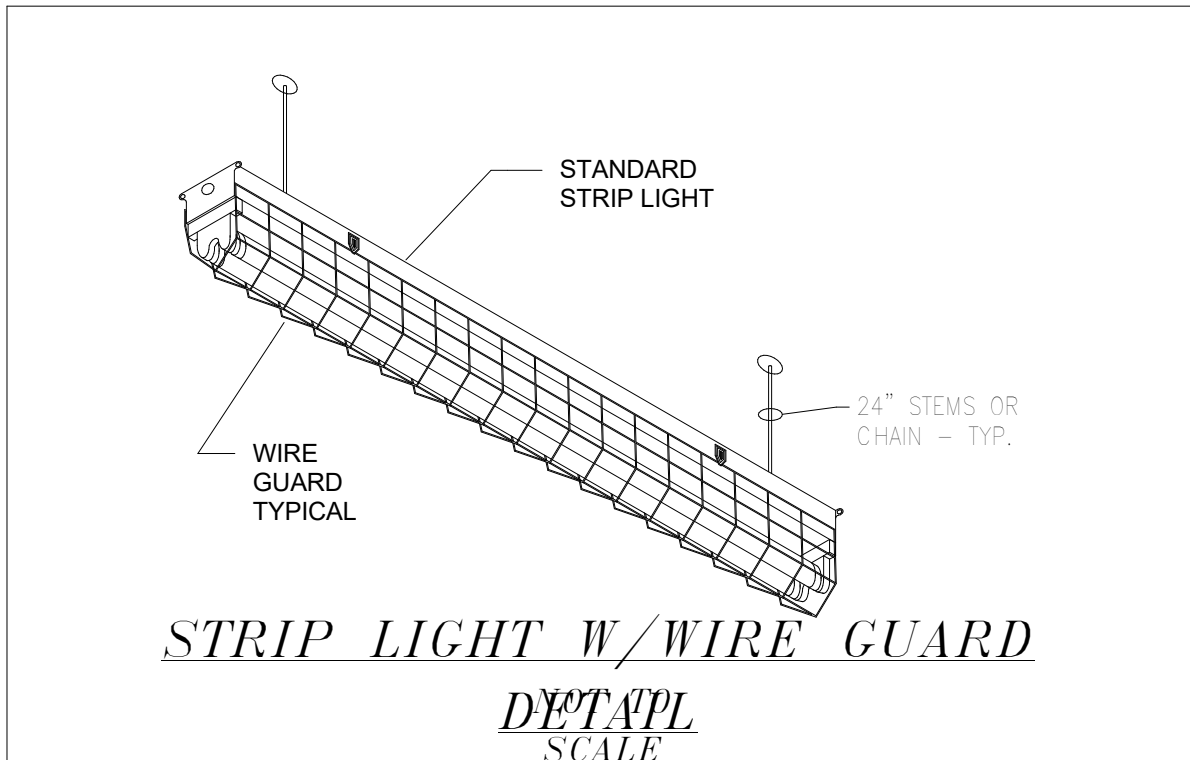
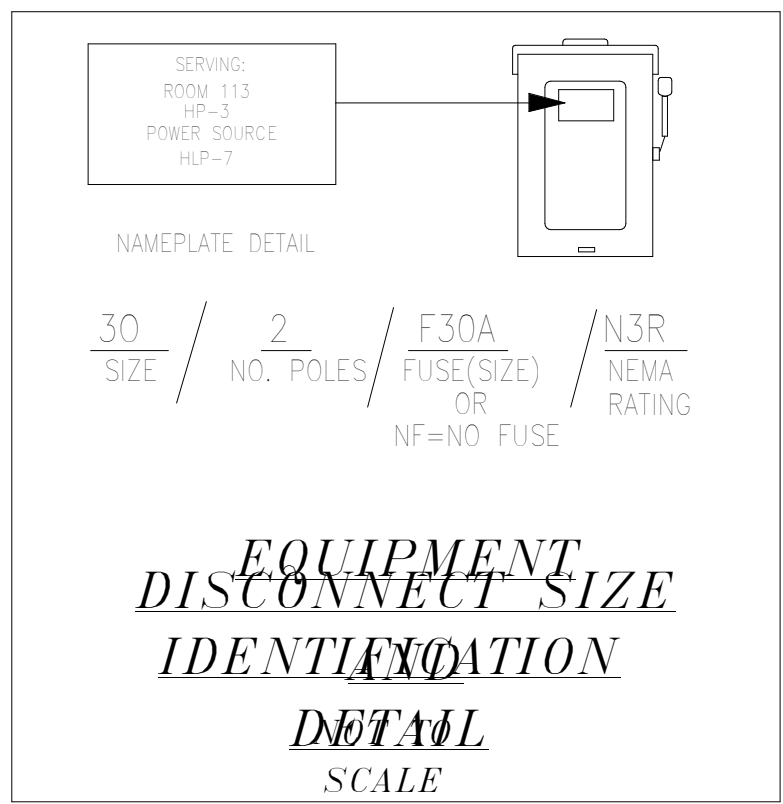
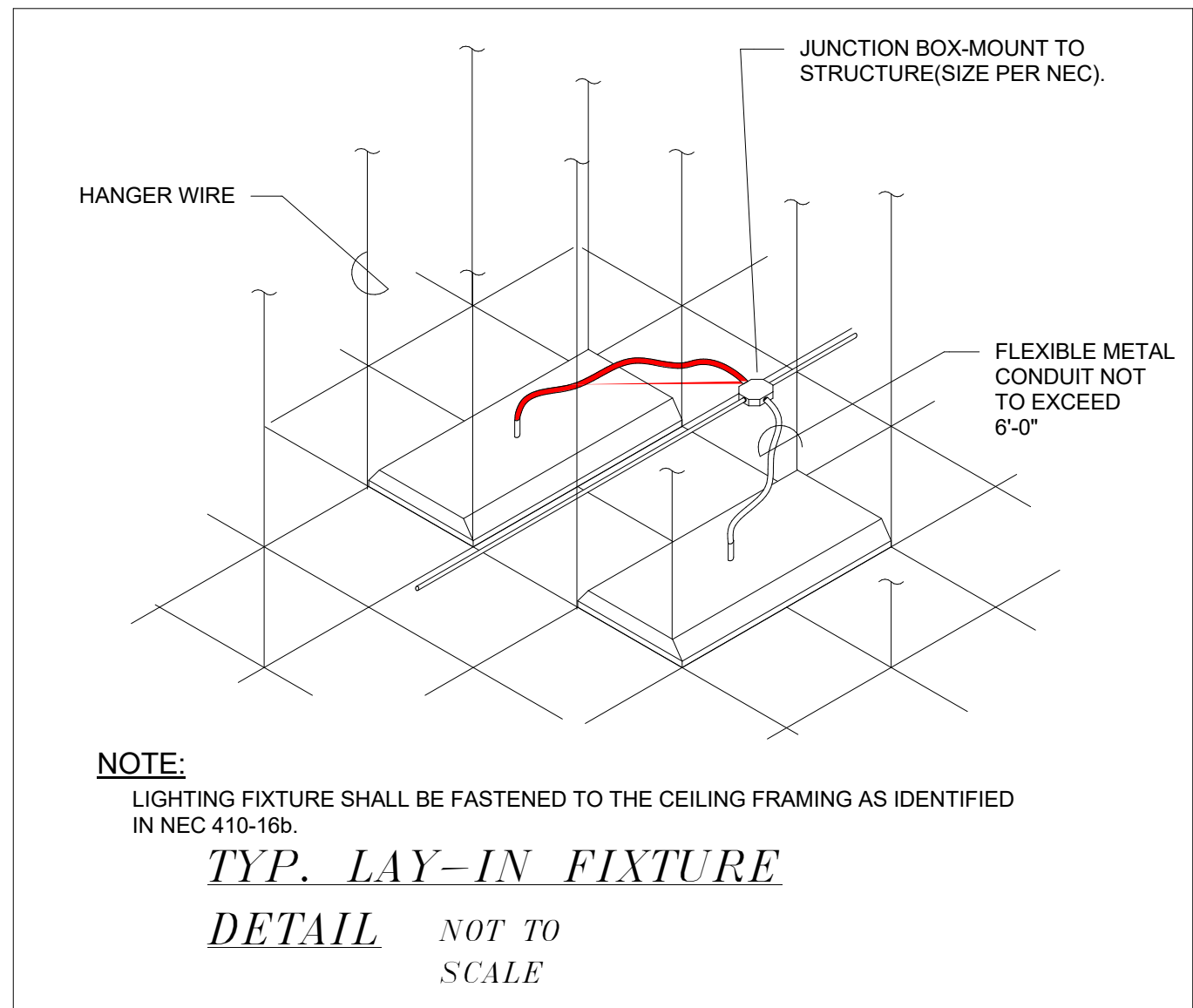
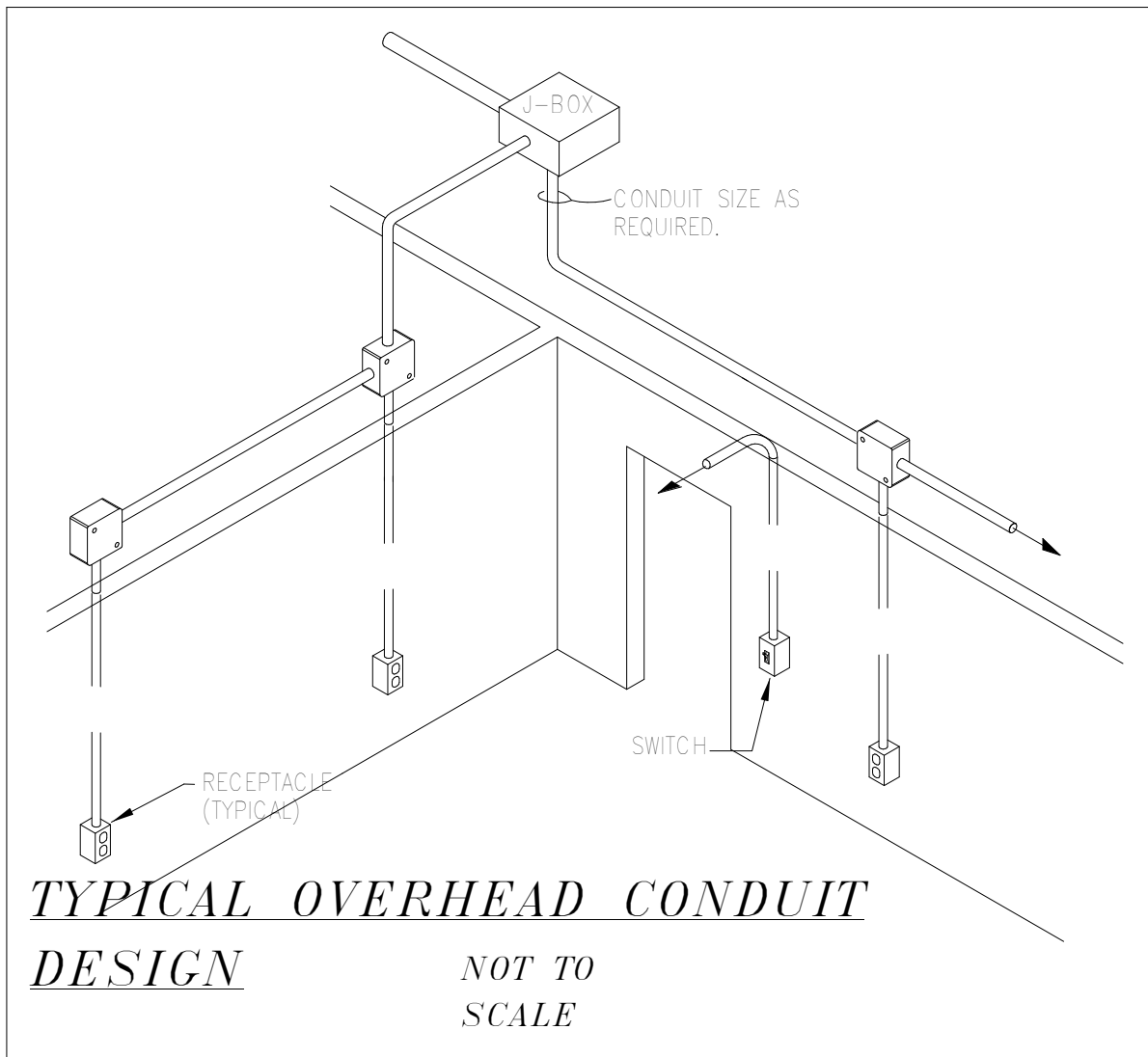
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No: 01 SET: CD SET DATE: 08/11/21

Drawing:

DETAILS - ELECTRICAL

E401





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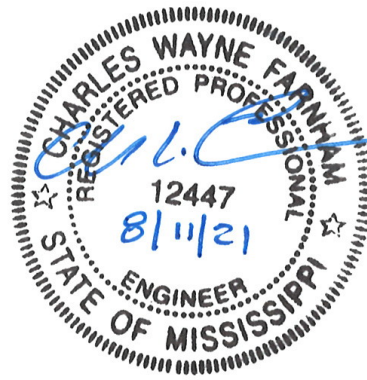
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Lighting Fixture Schedule					
TYPE	MANUFACTURER	MODEL	WATTAGE	MOUNTING	REMARKS
1C	COOPER LIGHTING SOLUTIONS - IO LED (FORMERLY EATON)	LM-05L-927-120-UNV-S-STD-1F	51 VA	TRACK	LED INTERIOR ARCHITECTURAL COVE
1P	BARBICAN	4D-SM-BA-72H-1200LM/LF-120V-4000K-90CRI-DB(0-10V)	95 VA	PENDANT	HIGH PERFORMANCE LED CYLINDER
1R	METALUX	24FP3140C	29 VA	RECESSED	2'x4' LED FLAT PANEL
1T	WAC LIGHTING	H-2042-940-BK	42 VA	TRACK	ADJUSTABLE TRACK LUMINAIRE
1X	SURE-LITES	CX71	1 VA	WALL	EXIT LIGHT
2C	COOPER LIGHTING SOLUTIONS - IO LED (FORMERLY EATON)	LM-05L-927-120-UNV-S-STD-2F	10 VA	COVE	LED INTERIOR ARCHITECTURAL COVE
2R	METALUX	24FP4740C	41 VA	RECESSED	2'x4' LED FLAT PANEL
2S	CALI	AIL1800-4INCH-A-SLC-2'-0INCH	42 VA	FLOOR	aisle AND PATH LIGHTING
3R	METALUX	24FP6440C	62 VA	RECESSED	2'x4' EDGE LIT PANEL
4C	COOPER LIGHTING SOLUTIONS - IO LED (FORMERLY EATON)	LM-05L-927-120-UNV-S-STD-4F	95 VA	TRACK	LED INTERIOR ARCHITECTURAL COVE
4R	METALUX	22FP4240C	39 VA	RECESSED	2'x2' LED FLAT PANEL
4S	CALI	AIL1800-4INCH-A-SLC-3'-6INCH	63 VA	FLOOR	aisle AND PATH LIGHTING
5R	SPECTRUM LIGHTING	SR3MO-XT10L-DO101-1-H12-RD3F-40K-MD-PT-NL	11 VA	RECESSED	3" ROUND DOWNLIGHT
5S	CALI	ALS210T-ASM-4.0K-8W-HO-EF-WET-IP67-UNV-8FT0IN	64 VA	TRACK	ACCENT LIGHTING
6R	SPECTRUM LIGHTING	SR3MO-XT10L-DO101-1-H12-RD3F-40K-WD-PT-NL	11 VA	RECESSED	3" ROUND DOWNLIGHT
6S	METALUX	4NLW4040C	38 VA	SURFACE	LW WRAP
7R	SPECTRUM	SR3MO-XT10L-DO101-1-H12-R13F-40K-WD-PT-NL	11 VA	RECESSED	3" ROUND DOWNLIGHT
7S	CALI	AIL1800-4INCH-A-SLC-6'-0INCH	126 VA	FLOOR	aisle AND PATH LIGHTING
8R	SPECTRUM LIGHTING	RDF06XT-50L-27K-XW-DO10-RD6FXT-SG-PF	35 VA	RECESSED	6" ROUND DOWNLIGHT
8S	CALI	AIL1800-4INCH-A-SLC-8'-0INCH	168 VA	FLOOR	aisle AND PATH LIGHTING
9R	SPECTRUM LIGHTING	SR3MO-XT30L-DO10-1-H12-RD3F-40K-MD-PT-NL	35 VA	RECESSED	3" ROUND DOWNLIGHT
9S	METALUX	4SNLED-LD5-64SL-SLW-UNV-L840-CD1-U	70 VA	CHAIN HUNG	LED STRIP LIGHT
38S	CALI	AIL1800-4INCH-A-SLC-38'-5INCH	798 VA	FLOOR	aisle AND PATH LIGHTING
39S	CALI	AIL1800-4INCH-A-SLC-39'-10INCH	798 VA	FLOOR	aisle AND PATH LIGHTING
42S	CALI	AIL1800-4INCH-A-SLC-42'-0INCH	861 VA	FLOOR	aisle AND PATH LIGHTING
SL1	ACCLAIM	FLEXPE27 / ALD-800-24 AS REQUIRED (DPW-111-FA)	24 VA	ALUMINUM CHANNEL TRACK	LED COVE LIGHTING - SEE NOTE 1
W1	WAC LIGHTING	WL-LED130-AM-BK	5 VA	WALL	STEP LIGHT
W2	SPECTRUM LIGHTING	AR1214LW-27L-40K-EX-TF1-CP104-PA23-MB	5 VA	WALL	DECORATIVE EXTERIOR WALL LIGHT - BY OTHERS
W3	BEGA	12 209.3	5 VA	2-60W	LED UNSHIELDED WALL LUMINAIRE - ROUNDED

NOTES:

1. ACCLAIM FLEXPE27 / ALD-800-24 AS REQUIRED (DPW-111-FA CAN BE USED WHERE LOADS ARE UNDER 150w)/FLX444 + FLX LP OL4 AS REQUIRED.
CONTRACTOR TO PROVIDE LENGTHS, FEEDS, FITTINGS, AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM. PROVIDE DMX CONTROL WIRING FROM CONTROL INTERFACE RACK TO DRIVER.



A New Construction Project:

MSCCM -
Ellis Theater
Renovation

Project Site Address:
311 Byrd Ave,
Philadelphia, MS
39350

DAAD Project Number:
197852

No: 01 SET: CD SET DATE: 08/11/21

Drawing:

LIGHTING FIXTURE &
POWER CONNECTION
SCHEDULES

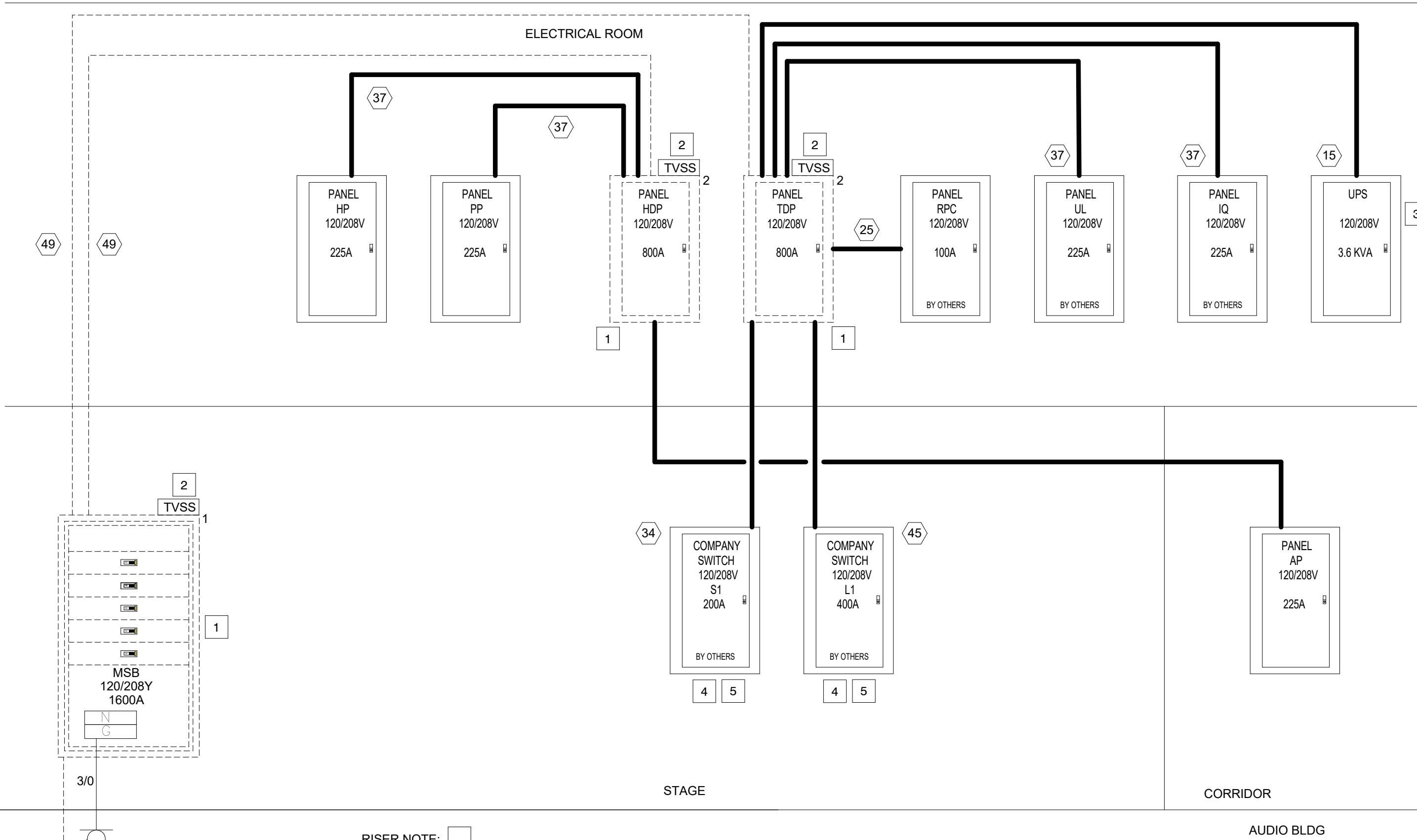
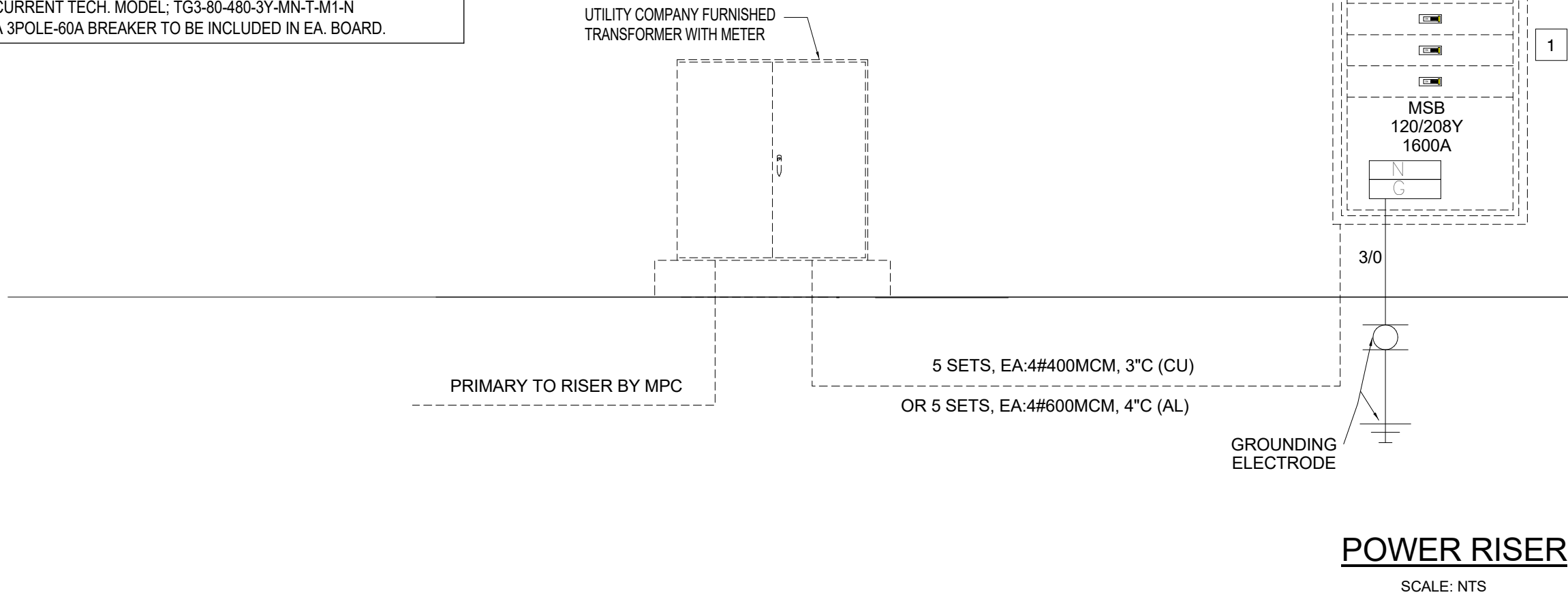
E501

POWER CONNECTION SCHEDULE								
MARK	EQUIPMENT	VOLTS/ PHASE	LOAD			BRANCH CIRCUIT	DISC. SW/FUSE	REMARKS
			KW	HP	FLA			
1	RTU-1, RTU-2	208/3			94.0	3#1, 1#6, 1-1/4"C	200/3/F150A/3R	1,3-11
2	RTU-3, RTU-6	208/3			42.0	3#6, 1#10, 3/4"C	60/3/F60A/3R	1,3-11
3	RTU-4	208/3			24.8	3#10, 1#10G, 3/4"C	60/3/F35A/3R	1,3-11
4	RTU-7	208/3			27.9	3#10, 1#10G, 3/4"C	60/3/F45A/3R	1,3-11
5	ACU-1	208/1	10		48.1	2#6, 1#10G, 3/4"C	70/1/F60A	1-11
6	DS-1	208/1			0.4	2#12, 1#12G, 3/4"C	CONTROLLER	1,3-7
7	DSCU-1	208/1			17.0	2#12, 1#12G, 3/4"C	30/1/F20A	9-11
8	CU-1	208/3			15.0	3#12, 1#12G, 3/4"C	30/3/30A/3R	1,3-11
9	WH-1, WH-2, WH-3	208/1	6		28.8	2#10, 1#10G, 3/4"C	30/1/F30A	1-5,9
10	WH-4, WH-5	120/1			12.5	2#12, 1#12G, 3/4"C	THERMOSTAT	6-10
11	EF-1	120/1			7.2	2#12, 1#12G, 3/4"C	SWITCH	1,2,5-11
12	EF-2	120/1			2.0	2#12, 1#12G, 3/4"C	SWITCH	1,3,4-9,10,11
13	EF-3	120/1			0.5	2#12, 1#12G, 3/4"C	SWITCH	1,3,4-9,10,11
14	EF-4	120/1			1.0	2#12, 1#12G, 3/4"C	SWITCH	1,3,4-9,10,11,12

REMARKS:
1. CIRCUIT TO INCLUDE ONE (1) GREEN GROUNDING CONDUCTOR SIZED PER BRANCH CIRCUIT SIZE UNLESS SHOWN TO BE SIZED DIFFERENTLY. ALL CONDUCTORS TYPE THW.
2. DUAL ELEMENT TYPE FUSE AND SWITCH OF PROPER VOLTAGE. IF FUSE SIZE NOT SHOWN, UNIT TO BE UNFUSED.
3. FINAL CONNECTION USING LIQUID TIGHT FLEXIBLE CONDUIT.
4. FINAL CONNECTION USING FLEXIBLE CONDUIT.
5. MOUNT ABOVE CEILING.
6. WALL MOUNTED.
7. VERIFY ALL ELECTRICAL REQUIREMENTS WITH MANUFACTURER'S SHOP DRAWINGS
8. DISCONNECT SWITCH INTEGRAL WITH UNIT.
9. EACH FAN TO BE PROTECTED SEPARATELY.
10. USE RECEPTACLE IN ACCORDANCE WITH NEC TO INSTALL THIS DEVICE.
11. MOUNT DISCONNECT ON SIDE OF UNIT.
12. REFER TO WIRING DEVICES SECTION OF DIVISION 16 SPECS FOR SWITCHING REQUIREMENTS
13. COMBINE CIRCUITS AS SHOWN ON SMALLER VAV BOXES.

CONDUIT AND WIRE DESIGNATION SCHEDULE											
COPPER					ALUMINUM ALLOY						
WIRE/BKR MAX AMPS	DESIG #	DESCRIPTION	WIRE/BKR MAX AMPS	DESIG #	DESCRIPTION	WIRE/BKR MAX AMPS	DESIG #	DESCRIPTION			
20	1	2#12, 1/2"	200	32	2#3/0, 1#6G, 2"	205	32	2#250MCM, 1#2G, 2-1/2"			
20	2	2#12, 1#12G, 1/2"	200	33	3#3/0, 1#6G, 2"	205	33	3#250MCM, 1#2G, 2-1/2"			
20	3	3#12,1#12G, 1/2"	200	34	4#3/0, 1#6G, 2"	205	34	4#250MCM 1#1G, 2-1/2"			
20	4	4#12, 1#12G, 1/2"	230	35	2#4/0, 1#4G, 2"	230	35	2#300MCM, 1#2G, 2-1/2"			
30	5	2#10, 1#10G, 3/4"	230	36	3#4/0, 1#4G, 2"	230	36	3#300MCM, 1#2G, 2-1/2"			
30	6	3#10, 1#10G, 3/4"	230	37	4#4/0, 1#4G,2-1/2"	230	37	4#300MCM 1#2G, 3"			
30	7	4#10, 1#10G, 3/4"	255	38	3#250MCM,1#4G, 2-1/2"	250	38	3#350MCM, 1#2G, 2-1/2"			
40	8	2#8, 1#10G, 3/4"	255	39	4#250MCM, 1#4G, 2-1/2"	250	39	4#350MCM, 1#2G, 3"			
40	9	3#8, 1#10G, 3/4"	285	40	3#300MCM, 1#4G, 2-1/2"	270	40	3#400MCM, 1#1G, 3"			
40	10	4#8, 1#10G, 3/4"	285	41	4#300MCM,1#4G,3"	270	41	4#400MCM, 1#1G, 3".			
55	11	2#6, 1#10G, 3/4"	310	42	3#350MCM,1#3G, 2-1/2"	310	42	3#500MCM, 1#1G, 3"			
55	12	3#6, 1#10G, 3/4"	310	43	4#350MCM, 1#3G, 3"	310	43	4#500MCM, 1#1G, 3-1/2"			
55	13	4#6, 1#10G, 1"	380	44	3#500MCM, 1#3G, 3"	385	44	3#750MCM, 1#1G, 3-1/2"			
70	14	2#4, 1#8G, 1"	380	45	4#500MCM,1#3G, 3-1/2"	385	45	4#750MCM, 1#1G, 3-1/2"			
70	15	3#4, 1#8G, 1"	460	46	2 SETS,EA:4#4/0,1#2G, 2-1/2"	460	46	2 SETS, EA: 4#300MCM, 1#1/0G, 3".			
70	16	4#4, 1#8G, 1-1/4"	510	47	2 SETS,EA:4#250MCM,1#1G,2-1/2"	540	47	2 SETS, EA: 4#400MCM, 1#2/0G, 3"			
85	17	2#3, 1#8G, 1-1/4"	620	48	2 SETS,EA: 4#350MCM,1#1/0G,3"	620	48	2 SETS, EA: 4#500MCM, 1#3/0G, 3-1/2"			
85	18	3#3, 1#8G, 1-1/4"	760	49	2 SETS,EA: 4#500MCM, 1#1/0G,3-1/2"	770	49	2 SETS, EA: 4#750MCM, 1#3/0G, 4"			
85	19	4#3, 1#8G, 1-1/4"	855	50	3 SETS, EA: 4#300MCM,1#2/0G,3"	930	50	3 SETS, EA: 4#500MCM, 1#4/0G, 3-1/2"			
95	20	2#2, 1#8G, 1-1/4"	930	51	3 SETS, EA: 4#350MCM,1#2/0G,3"	930	51	3 SETS, EA: 4#500MCM, 1#4/0G, 3-1/2"			
95	21	3#2, 1#8G, 1-1/4"	1005	52	3 SETS, EA: 4#400MCM,1#3/0G,3"	1000	52	4 SETS, EA: 4#350MCM, 1#4/0G, 3".			
95	22	4#2, 1#8G, 1-1/4"	1140	53	3 SETS,EA:4#500MCM,1#3/0G,3-1/2"	1240	53	4 SETS, EA: 4#500MCM, 1#250MCMG, 3-1/2"			
130	23	2#1, 1#6G, 1-1/4"	1240	54	4 SETS, EA: 4#350MCM,1#4/0G,3"	1240	54	4 SETS, EA: 4#500MCM, 1#250MCMG, 3-1/2"			
130	24	3#1, 1#6G, 1-1/4"	1675	55	5 SETS,EA:4#400MCM,1#250MCMG,3"	1700	55	5 SETS, EA: 4#600MCM, 1#400MCMG, 3-1/2"			
130	25	4#1, 1#6G, 1-1/2"	1900	56	5 SETS,EA:4#500MCM,1#250MCMG,3-1/2"	1860	56	6 SETS, EA: 4#500MCM, 1#400MCMG, 3-1/2"			
150	26	2#1/0, 1#6G, 1-1/2"	2010	57	6 SETS,EA:4#400MCM,1#350MCMG,3-1/2"	2040	57	6 SETS, EA: 4#600MCM, 1#600MCMG, 3-1/2"			
150	27	3#1/0, 1#6G, 1-1/2"	2280	58	6 SETS,EA:4#500MCM,1#350MCMG,3-1/2"	2310	58	6 SETS, EA: 4#750MCM, 1#600MCMG, 4"			
150	28	4#1/0, 1#6G, 2"	2660	59	7 SETS,EA:4#500MCM,1#400MCMG,3-1/2"	2695	59	7 SETS, EA: 4#750MCM, 1#600MCMG, 4"			
175	29	2#2/0, 1#6G, 1-1/2"	3040	60	8 SETS,EA:4#500MCM,1#500MCMG,3-1/2"	3080	60	8 SETS, EA: 4#750MCM, 1#750MCMG, 4"			
175	30	3#2/0, 1#6G, 1-1/2"	4180	61	11 SETS,EA: 4#500MCM,1#600MCMG,3 1/2"	4235	61	11 SETS, EA: 4#750MCM, 1#750MCMG, 4"			
175	31	4#2/0, 1#6G, 2"									
CONDUIT SIZE BASED ON THHN/THWN 40% FILL CALCULATION						CONDUIT SIZE BASED ON 40% FILL CALCULATION FOR TYPE					
WIRE SIZE BASED ON NEC 110-14C WITH 60°C AMPACITY TABLES FOR 20A THRU 100 AMPS						XHHW INSULATION					
AND 75°C AMPACITY TABLES FOR VALUES > 100 AMPS.											
NOTE!											
IN GENERAL, THE ACTUAL BREAKER AMPERAGE SHALL BE EQUAL TO OR NEXT STANDARD SIZE SMALLER THAN THE MAXIMUM WIRE AMPS. EXCEPTIONS SHALL BE MOTOR AND SPECIAL EQUIPMENT BREAKERS WHICH SHALL BE SIZED PER N.E.C. AND VENDOR REQUIREMENTS. OMIT GROUND CONDUCTORS ON SERVICE ENTRANCE FEEDERS (TYPICAL). USE # 12 WIRE U.O.N. PRIOR TO ROUGH-IN. CONTRACTOR SHALL COORDINATE BREAKER AND WIRING WITH ACTUAL REQUIREMENTS OF EQUIPMENT BEING FURNISHED FOR THIS SPECIFIC PROJECT.											
UNLESS NOTED OTHERWISE ALL 20A, 1P, BREAKERS TO UTILIZE #12 CONDUCTORS. EXCEPT WHERE BRANCH CIRCUIT IS IN EXCESS OF 90 LINEAR FEET CONDUCTORS TO BE #10 AND OVER 175 FEET LINEAR FEET CONDUCTORS TO BE #8.											

LEGEND	
SYMBOL	DESCRIPTION
TVSS 1	TRANSIENT VOLTAGE SUPPRESSOR CURRENT TECH. MODEL: TG3-200-480-3Y-MN-T-M1-N A 3POLE-80A BREAKER TO BE INCLUDED IN EA. BOARD.
TVSS 2	TRANSIENT VOLTAGE SUPPRESSOR CURRENT TECH. MODEL: TG3-125-480-3Y-MN-T-M1-N A 3POLE-80A BREAKER TO BE INCLUDED IN EA. BOARD.
TVSS 3	TRANSIENT VOLTAGE SUPPRESSOR CURRENT TECH. MODEL: TG3-80-480-3Y-MN-T-M1-N A 3POLE-60A BREAKER TO BE INCLUDED IN EA. BOARD.



RISER NOTE: ☐

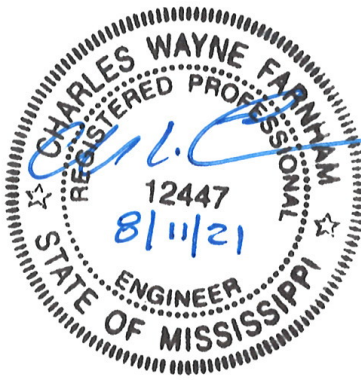
1. MSB, TDP, AND HDP ARE EXISTING SIEMENS PANELS. PANEL SCHEDULES INCLUDED FOR REFERENCE. ANY ADDITIONAL BREAKERS TO BE SUPPLIED IN THIS PROJECT.
2. ALL TVSS IS NEW AND INCLUDED WITH THIS PROJECT.
3. ELECTRICAL CONTRACTOR TO COORDINATE ALL UL924 DEVICE LOCATIONS WITH PLANS AND THEATRICAL/AUDIO CONTRACTOR.
4. COORDINATE FINAL LOCATIONS OF COMPANY SWITCHES WITH OWNER.
5. THESE PANELS ARE PROVIDED BY THEATRICAL CONTRACTOR.



Dryden

2520 White Avenue
Nashville, TN 37204

615.248.3223
dryden.studio



A New Construction Project:
**MSCCM -
Ellis Theater
Renovation**

Project Site Address:
311 Byrd Ave,
Philadelphia, MS
39350

DAAD Project Number:
197852

No: 01 SET: CD SET DATE: 08/11/21

Drawing:

RISER - ELECTRICAL

E502

Branch Panel: IQ															
Location: Room 197					Volts: 120/208 Wye					A.I.C. Rating: 35K					
Supply From: TDP					Phases: 3					Mains Type: MCB					
Mounting: Surface					Wires: 4					Mains Rating: 225 A					
Enclosure: Type 1															
Notes:															
CKT	Circuit Description	Demand Code	TRIP	P	A		B		C		P	TRIP	Demand Code	Circuit Description	CKT
IQ-1	HOUSE TRUSS 1	Power	20 A	1	300	300					1	20 A	Power	HOUSE TRUSS 2	IQ-2
IQ-3	HOUSE TRUSS 3	Power	20 A	1			300	300			1	20 A	Power	HOUSE TRUSS 4	IQ-4
IQ-5	HOUSE TRUSS 5	Power	20 A	1					300	300	1	20 A	Power	HOUSE TRUSS 6	IQ-6
IQ-7	HOUSE TRUSS 7	Power	20 A	1	300	300					1	20 A	Power	HOUSE TRUSS 8	IQ-8
IQ-9	STAGE TRUSS 1-1	Power	20 A	1			300	300			1	20 A	Power	STAGE TRUSS 1-2	IQ-10
IQ-11	STAGE TRUSS 1-3	Power	20 A	1					300	300	1	20 A	Power	STAGE TRUSS 1-4	IQ-12
IQ-13	STAGE TRUSS 1-5	Power	20 A	1	300	300					1	20 A	Power	STAGE TRUSS 1-6	IQ-14
IQ-15	STAGE TRUSS 1-7	Power	20 A	1			300	300			1	20 A	Power	STAGE TRUSS 1-8	IQ-16
IQ-17	STAGE TRUSS 2-1	Power	20 A	1					300	300	1	20 A	Power	STAGE TRUSS 2-2	IQ-18
IQ-19	STAGE TRUSS 2-3	Power	20 A	1	300	300					1	20 A	Power	STAGE TRUSS 2-4	IQ-20
IQ-21	STAGE TRUSS 2-5	Power	20 A	1			300	300			1	20 A	Power	STAGE TRUSS 2-6	IQ-22
IQ-23	STAGE TRUSS 2-7	Power	20 A	1					300	300	1	20 A	Power	STAGE TRUSS 2-8	IQ-24
IQ-25	STAGE TRUSS 3-1	Power	20 A	1	300	300					1	20 A	Power	STAGE TRUSS 3-2	IQ-26
IQ-27	STAGE TRUSS 3-5	Power	20 A	1			300	300			1	20 A	Power	STAGE TRUSS 3-4	IQ-28
IQ-29	STAGE TRUSS 3-7	Power	20 A	1					300	300	1	20 A	Power	STAGE TRUSS 3-6	IQ-30
IQ-31	STAGE TRUSS 3-7	Power	20 A	1	300	300					1	20 A	Power	STAGE TRUSS 3-8	IQ-32
IQ-33	STAGE TRUSS 4-1	Power	20 A	1			300	300			1	20 A	Power	STAGE TRUSS 4-2	IQ-34
IQ-35	STAGE TRUSS 4-3	Power	20 A	1					300	300	1	20 A	Power	STAGE TRUSS 4-4	IQ-36
IQ-37	STAGE TRUSS 4-5	Power	20 A	1	300	300					1	20 A	Power	STAGE TRUSS 4-6	IQ-38
IQ-39	STAGE TRUSS 4-7	Power	20 A	1			300	300			1	20 A	Power	STAGE TRUSS 4-8	IQ-40
IQ-41	STAGE FLOOR POCKET 1	Recept...	20 A	1					180	180	1	20 A	Recept...	STAGE FLOOR POCKET 2	IQ-42
IQ-43	STAGE FLOOR POCKETS 3 & 4	Recept...	20 A	1	360	360					1	20 A	Recept...	STAGE FLOOR POCKETS 5 & 6	IQ-44
IQ-45	STAGE LEFT WALL BOX 1	Recept...	20 A	1			180	180			1	20 A	Recept...	STAGE RIGHT WALL BOX 2	IQ-46
IQ-47	UPSTAGE WALL 1	Recept...	20 A	1					180	180	1	20 A	Recept...	UP STAGE WALL 2	IQ-48
IQ-49															IQ-50
IQ-51															IQ-52
IQ-53															IQ-54
IQ-55															IQ-56
IQ-57															IQ-58
IQ-59															IQ-60
Total Load:					4920 VA		4560 VA		4320 VA						
Total Amps:					41 A		38 A		36 A						
Legend:															
Load Classification					Connected Load		Demand Factor		Estimated Demand		Panel Totals				
Power					12000 VA		100.00%		12000 VA		Total Conn. Load: 13800 VA Total Est. Demand: 13800 VA Total Conn. Current: 38 A Total Est. Demand Current: 38 A				
Receptacle					1800 VA		100.00%		1800 VA						
Notes:															

Branch Panel: UL															
Location: Room 197					Volts: 120/208 Wye					A.I.C. Rating: 35K					
Supply From: TDP					Phases: 3					Mains Type: MCB					
Mounting: Surface					Wires: 4					Mains Rating: 225 A					
Enclosure: Type 1															
Notes:															
CKT	Circuit Description	Demand Code	TRIP	P	A		B		C		P	TRIP	Demand Code	Circuit Description	CKT
UL-1	HOUSE TRUSS 1	Recept...	20 A	1	180	180					1	20 A	Recept...	HOUSE TRUSS 2	UL-2
UL-3	HOUSE TRUSS 3	Recept...	20 A	1			180	180			1	20 A	Recept...	HOUSE TRUSS 4	UL-4
UL-5	HOUSE TRUSS 5	Recept...	20 A	1					180	180	1	20 A	Recept...	HOUSE TRUSS 6	UL-6
UL-7	HOUSE TRUSS 7	Recept...	20 A	1	180	180					1	20 A	Recept...	HOUSE TRUSS 8	UL-8
UL-9	HOUSE TRUSS 9	Recept...	20 A	1			180	180			1	20 A	Recept...	HOUSE TRUSS 10	UL-10
UL-11	HOUSE TRUSS 11	Recept...	20 A	1					180	180	1	20 A	Recept...	HOUSE TRUSS 12	UL-12
UL-13	HOUSE TRUSS 13	Recept...	20 A	1	180	180					1	20 A	Recept...	HOUSE TRUSS 14	UL-14
UL-15	HOUSE TRUSS 15	Recept...	20 A	1			180	180			1	20 A	Recept...	HOUSE TRUSS 16	UL-16
UL-17	HOUSE TRUSS 17	Recept...	20 A	1					180	180	1	20 A	Recept...	HOUSE TRUSS 18	UL-18
UL-19	HOUSE TRUSS 19	Recept...	20 A	1	180	180					1	20 A	Recept...	HOUSE TRUSS 20	UL-20
UL-21	HOUSE TRUSS 21	Recept...	20 A	1			180	180			1	20 A	Recept...	HOUSE TRUSS 22	UL-22
UL-23	HOUSE TRUSS 23	Recept...	20 A	1					180	180	1	20 A	Recept...	HOUSE TRUSS 24	UL-24
UL-25															UL-26
UL-27															UL-28
UL-29															UL-30
UL-31															UL-32
UL-33															UL-34
UL-35															UL-36
UL-37															UL-38
UL-39															UL-40
UL-41															UL-42
Total Load:					1440 VA		1440 VA		1440 VA						
Total Amps:					12 A		12 A		12 A						
Legend:															
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals							
Receptacle		4320 VA		100.00%		4320 VA									
								Total Conn. Load: 4320 VA							
								Total Est. Demand: 4320 VA							
								Total Conn. Current: 12 A							
								Total Est. Demand Current: 12 A							
Notes:															

Branch Panel: RPC															
Location: Room 197					Volts: 120/208 Wye					A.I.C. Rating: 35K					
Supply From: TDP					Phases: 3					Mains Type: MCB					
Mounting: Surface					Wires: 4					Mains Rating: 100 A					
Enclosure: Type 1															
Notes:															
CKT	Circuit Description	Demand Code	TRIP	P	A		B		C		P	TRIP	Demand Code	Circuit Description	CKT
RPC-1	FOH 1	Recept...	20 A	1	180	180					1	20 A	Recept...	FOH 2	RPC-2
RPC-3	FOH 3	Recept...	20 A	1			180	180			1	20 A	Recept...	FOH 4	RPC-4
RPC-5	STAGE FLOOR POCKET 1	Equip...	20 A	1					300	300	1	20 A	Equip...	STAGE FLOOR POCKET 2	RPC-6
RPC-7	STAGE FLOOR POCKET 1	Equip...	20 A	1	600	800					1	20 A	Equip...	STAGE FLOOR POCKET 5 & 6	RPC-8
RPC-9	STAGE LEFT WALL BOX 1	Equip...	20 A	1			300	300			1	20 A	Equip...	STAGE LEFT WALL BOX 2	RPC-10
RPC-11	STAGE RIGHT WALL BOX 1	Equip...	20 A	1					300	300	1	20 A	Equip...	STAGE RIGHT WALL BOX 2	RPC-12
RPC-13	AMP RACK	Recept...	20 A	1	180	300					1	20 A	Recept...	AMP RACK	RPC-14
RPC-15	AMP RACK	Recept...	20 A	1			300	300			1	20 A	Recept...	AMP RACK	RPC-16
RPC-17	AMP RACK	Recept...	20 A	1					300	300	1	20 A	Recept...	AMP RACK	RPC-18
RPC-19	AMP RACK	Recept...	20 A	1	300	300					1	20 A	Recept...	AMP RACK	RPC-20
RPC-21	AMP RACK	Recept...	20 A	2			150	150			2	20 A	Recept...	AMP RACK	RPC-22
RPC-23	--	--	--	--					150	150	--	--	--	--	RPC-24
RPC-25	AMP RACK	Recept...	20 A	2	150	150					2	20 A	Recept...	AMP RACK	RPC-26
RPC-27	--	--	--	--			150	150			--	--	--	--	RPC-28
RPC-29	AMP RACK	Recept...	20 A	2					150	150	2	20 A	Recept...	AMP RACK	RPC-30
RPC-31	--	--	--	--	150	150					--	--	--	--	RPC-32
RPC-33	AMP RACK	Recept...	20 A	2			150	150			2	20 A	Recept...	AMP RACK	RPC-34
RPC-35	--	--	--	--					150	150	--	--	--	--	RPC-36
RPC-37	SL	Equip...	20 A	2	150	150					2	20 A	Equip...	SR	RPC-38
RPC-39	--	--	--	--			150	150			2	20 A	--	--	RPC-40
RPC-41	UP STAGE WALL 1	Recept...	20 A	1					180	180	1	20 A	Recept...	UP STAGE WALL 2	RPC-42
RPC-43															RPC-44
RPC-45															RPC-46
RPC-47															RPC-48
RPC-49															RPC-50
RPC-51															RPC-52
RPC-53															RPC-54
RPC-55															RPC-56
RPC-57															RPC-58
RPC-59															RPC-60
Total Load:					3740 VA		2760 VA		3060 VA						
Total Amps:					32 A		23 A		26 A						
Legend:															
Load Classification					Connected Load		Demand Factor		Estimated Demand		Panel Totals				
Equipment					3800 VA		90.00%		3420 VA						
Receptacle					5760 VA		100.00%		5760 VA		Total Conn. Load: 9560 VA				
											Total Est. Demand: 9180 VA				
											Total Conn. Current: 27 A				
											Total Est. Demand Current: 25 A				
Notes:															



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ICT Project No. 210195

Dryden

2520 White Avenue
Nashville, TN 37204

615.248.3223
dryden.studio

Branch Panel: AP																
Location: Room 193					Volts: 120/208 Wye					A.I.C. Rating: 35K						
Supply From: HDP					Phases: 3					Mains Type: MCB						
Mounting: Surface					Wires: 4					Mains Rating: 225 A						
Enclosure: Type 1																
Notes:																
CKT	Circuit Description	Demand Code	TRIP	P	A		B		C		P	TRIP	Demand Code	Circuit Description	CKT	
AP-1	COMMUNITY - TRACK LTS	Lighting	20 A	1	1351	1267					1	20 A	Lighting	RECEPTION LOBBY - TRACK LTS	AP-2	
AP-3	COMMUNITY - TRACK LTS	Lighting	20 A	1			1014	1267			1	20 A	Lighting	RECEPTION LOBBY - TRACK LTS	AP-4	
AP-5	AUDIO BLDG - LTS	Lighting	20 A	1					832	1267	1	20 A	Lighting	RECEPTION LOBBY - TRACK LTS	AP-6	
AP-7	CANOPY LTS	Lighting	20 A	1	100	540					1	20 A	Recept...	DRESSING - RECEPTS	AP-8	
AP-9	AUDIO BLDG - EXTERIOR LTS	Lighting	20 A	1			71	180			1	20 A	Recept...	JANITOR - RECEP	AP-10	
AP-11	COMMUNITY - RECEPTS	Recept...	20 A	1					900	180	1	20 A	Recept...	COAT - RECEP	AP-12	
AP-13	TICKET BOOTH - RECEPTS	Recept...	20 A	1	360	180					1	20 A	Recept...	CONCESSIONS - GFI RECEP	AP-14	
AP-15	CONCESSIONS - SALES RECEP	Recept...	20 A	1			180	1000			1	20 A	Equip...	CONCESSIONS - VENDING	AP-16	
AP-17	CONCESSIONS - SALES RECEP	Recept...	20 A	1					180	1000	1	20 A	Equip...	CONCESSIONS - VENDING	AP-18	
AP-19	RECEPTION LOBBY - RECEPTS	Recept...	20 A	1	540										AP-20	
AP-21	ROOF RECEP	Recept...	20 A	1			360								AP-22	
AP-23															AP-24	
AP-25															AP-26	
AP-27															AP-28	
AP-29															AP-30	
AP-31															AP-32	
AP-33															AP-34	
AP-35															AP-36	
AP-37															AP-38	
AP-39															AP-40	
AP-41															AP-42	
AP-43															AP-44	
AP-45															AP-46	
AP-47															AP-48	
AP-49															AP-50	
AP-51															AP-52	
AP-53															AP-54	
AP-55															AP-56	
AP-57															AP-58	
AP-59															AP-60	
AP-61															AP-62	
AP-63															AP-64	
AP-65															AP-66	
AP-67															AP-68	
AP-69															AP-70	
AP-71															AP-72	
AP-73															AP-74	
AP-75															AP-76	
AP-77															AP-78	
AP-79															AP-80	
AP-81															AP-82	
AP-83															AP-84	
Total Load:					4338 VA		4068 VA		4325 VA							
Total Amps:					36 A		34 A		36 A							
Legend:																
Load Classification			Connected Load		Demand Factor		Estimated Demand		Panel Totals							
Lighting			7129 VA		100.00%		7129 VA									
Equipment			2000 VA		90.00%		1800 VA		Total Conn. Load: 12727 VA							
Receptacle			3600 VA		100.00%		3600 VA		Total Est. Demand: 12527 VA							
									Total Conn. Current: 35 A							
									Total Est. Demand Current: 35 A							
Notes:																

Branch Panel: PP																
Location: Room 197					Volts: 120/208 Wye					A.I.C. Rating: 35K						
Supply From: HDP					Phases: 3					Mains Type: MCB						
Mounting: Surface					Wires: 4					Mains Rating: 225 A						
Enclosure: Type 1																
Notes:																
CKT	Circuit Description	Demand Code	TRIP	P	A		B		C		P	TRIP	Demand Code	Circuit Description	CKT	
PP-1	ELLIS LOBBY - LTS	Lighting	20 A	1	302	425					1	20 A	Lighting	STAGE WORK LTS / CORRIDOR LTS	PP-2	
PP-3	HALLWAY - PENDANT LTS	Lighting	20 A	1			757	399			1	20 A	Lighting	THEATER - AISLE AND PATH LIGHTING	PP-4	
PP-5	HALLWAY / RESTROOM - LTS	Lighting	20 A	1					402	1596	1	20 A	Lighting	THEATER - AISLE AND PATH LIGHTING	PP-6	
PP-7	THEATER - LTS	Other...	20 A	1	59	300					1	20 A	Lighting	MARQUEE LIGHTS	PP-8	
PP-9	THEATER - AISLE AND PATH LIGHTING	Lighting	20 A	1			1659	630			1	20 A	Lighting	THEATER - SECOND FLOOR LTS	PP-10	
PP-11	THEATER - CANOPY LTS	Lighting	20 A	1					100	1200	1	20 A	Power	COVE & TAPE LIGHTING	PP-12	
PP-13	COVE & TAPE LIGHTING	Power	20 A	1	1200	1200					1	20 A	Power	COVE & TAPE LIGHTING	PP-14	
PP-15	COVE & TAPE LIGHTING	Power	20 A	1			1200	1200			1	20 A	Power	COVE & TAPE LIGHTING	PP-16	
PP-17	COVE & TAPE LIGHTING	Power	20 A	1					1200	1200	1	20 A	Power	COVE & TAPE LIGHTING	PP-18	
PP-19	COVE & TAPE LIGHTING	Power	20 A	1	1200	360					1	20 A	Recept...	SECOND FLOOR - RECEPTS	PP-20	
PP-21	ELECTRICAL ROOM - RECEP	Recept...	20 A	1			180	540			1	20 A	Recept...	ELLIS LOBBY - RECEPTS	PP-22	
PP-23	MECHANICAL ROOM - RECEP	Recept...	20 A	1					180	360	1	20 A	Recept...	THEATER BACK OF HOUSE - RECEPTS	PP-24	
PP-25	EDF - GFI	Equip...	20 A	1	500	720					1	20 A	Recept...	ROOF RECEP	PP-26	
PP-27	EDF - GFI	Equip...	20 A	1			500								PP-28	
PP-29	HALLWAY - RECEP	Recept...	20 A	1					180						PP-30	
PP-31															PP-32	
PP-33															PP-34	
PP-35															PP-36	
PP-37															PP-38	
PP-39															PP-40	
PP-41															PP-42	
PP-43															PP-44	
PP-45															PP-46	
PP-47															PP-48	
PP-49															PP-50	
PP-51															PP-52	
PP-53															PP-54	
PP-55															PP-56	
PP-57															PP-58	
PP-59															PP-60	
PP-61															PP-62	
PP-63															PP-64	
PP-65															PP-66	
PP-67															PP-68	
PP-69															PP-70	
PP-71															PP-72	
PP-73															PP-74	
PP-75															PP-76	
PP-77															PP-78	
PP-79															PP-80	
PP-81															PP-82	
PP-83															PP-84	
Total Load:					6232 VA		7036 VA		6400 VA							
Total Amps:					52 A		59 A		54 A							
Legend:																
Load Classification					Connected Load		Demand Factor		Estimated Demand		Panel Totals					
Lighting					6539 VA		100.00%		6539 VA							
Other					26 VA		100.00%		26 VA		Total Conn. Load: 19667 VA					
Power					9600 VA		100.00%		9600 VA		Total Est. Demand: 19567 VA					
Equipment					1000 VA		90.00%		900 VA		Total Conn. Current: 55 A					
Receptacle					2520 VA		100.00%		2520 VA		Total Est. Demand Current: 54 A					
Notes:																

A New Construction Project:

MSCCM - Ellis Theater Renovation

Project Site Address:
311 Byrd Ave,
Philadelphia, MS
39350

DAAD Project Number:
197852

No: 01 SET: CD SET DATE: 08/

Distribution Panel: MSB

Location:
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 52K
Mains Type: MLO
Mains Rating: 1600 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	HDP	3	800 A	186164 VA	
2	TDP	3	800 A	27680 VA	
3	TVSS	3	80 A	0 VA	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
				213844 VA	
				594 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	13665 VA	100.00%	13665 VA	
Other	26 VA	100.00%	26 VA	Total Conn. Load: 213844 VA
Power	175379 VA	100.00%	175379 VA	Total Est. Demand: 209164 VA
Equipment	6800 VA	90.00%	6120 VA	Total Conn. Current: 594 A
Receptacle	18000 VA	77.78%	14000 VA	Total Est. Demand Current: 581 A

Notes:

Distribution Panel: HDP

Location:
Supply From: MSB
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35K
Mains Type: MCB
Mains Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
HDP-1	PANEL AP	3	225 A	12727 VA	
HDP-2	PANEL PP	3	225 A	19667 VA	
HDP-3	PANEL HP	3	225 A	36801 VA	
HDP-4	RTU-1	3	150 A	33865 VA	
HDP-5	RTU-2	3	150 A	33865 VA	
HDP-6	RTU-3	3	60 A	15131 VA	
HDP-7	RTU-4	3	35 A	8935 VA	
HDP-8	RTU-6	3	60 A	15131 VA	
HDP-9	TVSS	3	80 A	0 VA	
HDP-10	RTU-7	3	45 A	10051 VA	
HDP-11					
HDP-12					
HDP-13					
HDP-14					
HDP-15					
HDP-16					
HDP-17					
HDP-18					
HDP-19					
HDP-20					
				186164 VA	
				517 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	13665 VA	100.00%	13665 VA	
Other	26 VA	100.00%	26 VA	Total Conn. Load: 186164 VA
Power	163379 VA	100.00%	163379 VA	Total Est. Demand: 185864 VA
Equipment	3000 VA	90.00%	2700 VA	Total Conn. Current: 517 A
Receptacle	6120 VA	100.00%	6120 VA	Total Est. Demand Current: 516 A

Notes:

Distribution Panel: TDP

Location: Room 197
Supply From: MSB
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35K
Mains Type: MCB
Mains Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
TDP-1	PANEL RPC	3	100 A	9560 VA	
TDP-2	PANEL UL	3	225 A	4320 VA	
TDP-3	PANEL IQ	3	225 A	13800 VA	
TDP-4	COMPANY SWITCH S1	3	400 A	0 VA	
TDP-5	COMPANY SWITCH L1	3	400 A	0 VA	
TDP-6	UPS	3	50 A	0 VA	
TDP-7	TVSS	3	80 A	0 VA	
TDP-8					
TDP-9					
TDP-10					
TDP-11					
TDP-12					
TDP-13					
TDP-14					
TDP-15					
TDP-16					
TDP-17					
TDP-18					
TDP-19					
TDP-20					
				27680 VA	
				77 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Power	12000 VA	100.00%	12000 VA	
Equipment	3800 VA	90.00%	3420 VA	Total Conn. Load: 27680 VA
Receptacle	11880 VA	92.09%	10940 VA	Total Est. Demand: 26360 VA
				Total Conn. Current: 77 A
				Total Est. Demand Current: 73 A

Notes:



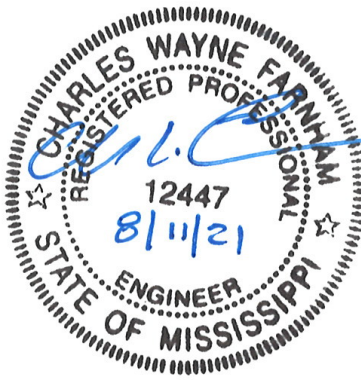
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A New Construction Project:

MSCCM -
Ellis Theater
Renovation

Project Site Address:
311 Byrd Ave,
Philadelphia, MS
39350

DAAD Project Number:
197852

No: 01 SET: CD SET DATE: 08/11/21

Drawing:

PANEL SCHEDULES

E505