

OWNER
St. Augustine Highschool
2600 AP Tureaud Avenue
New Orleans, LA 70119
504-949-3113

ARCHITECT
TRAPOLIN-PEER
850 TCHOUPITOULAS ST.
NEW ORLEANS, LA 70130
(504) 523-2772
www.trapolinpeer.com

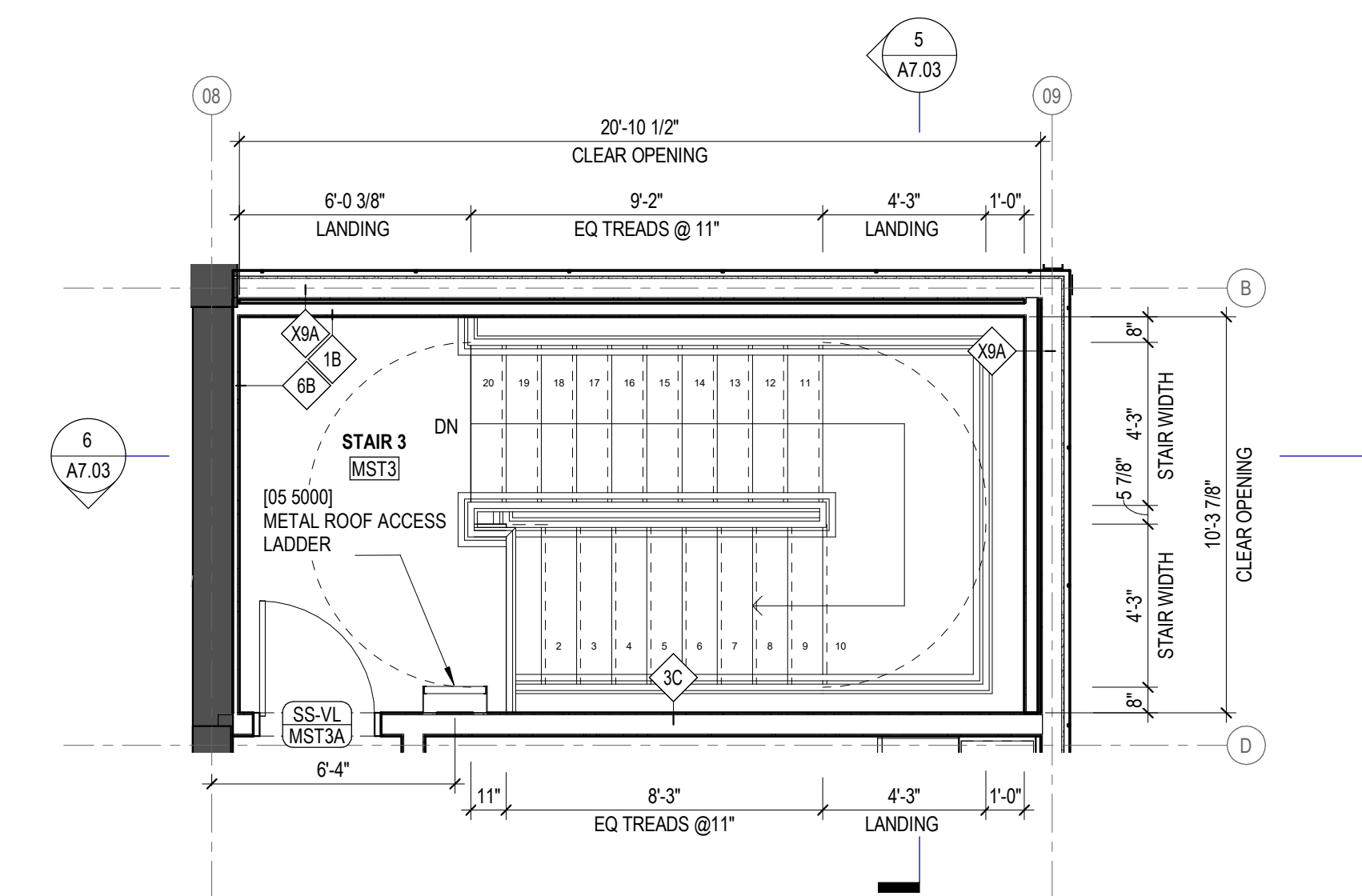
CONTRACTOR
Woodward Design+Build
1000 South Normand C. Francis Parkway
New Orleans, LA 70125
(504) 822-6443



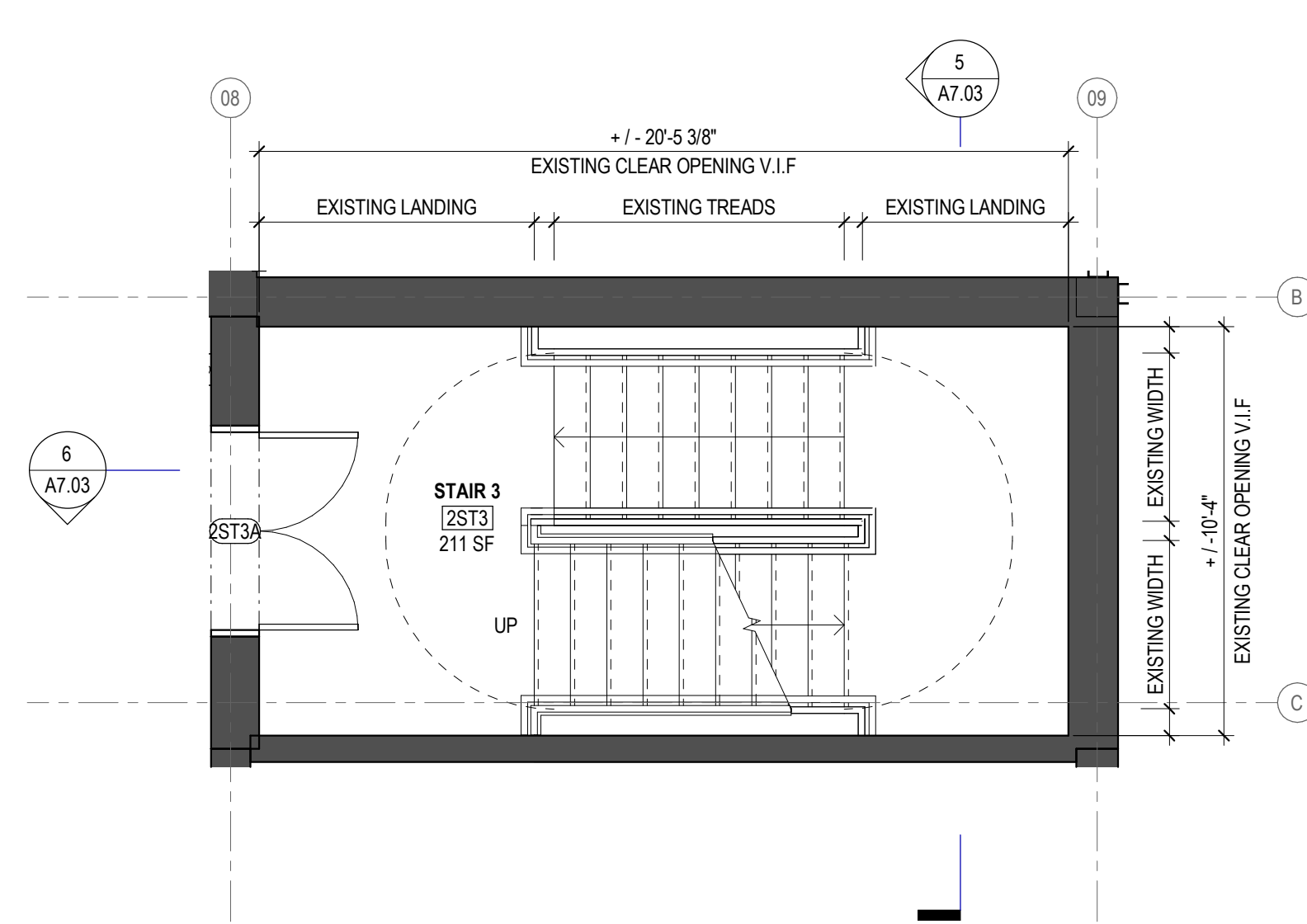
REVISION #	DESCRIPTION	DATE

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PROJECT NUMBER
CN21101-02
ISSUE DATE
05/26/23

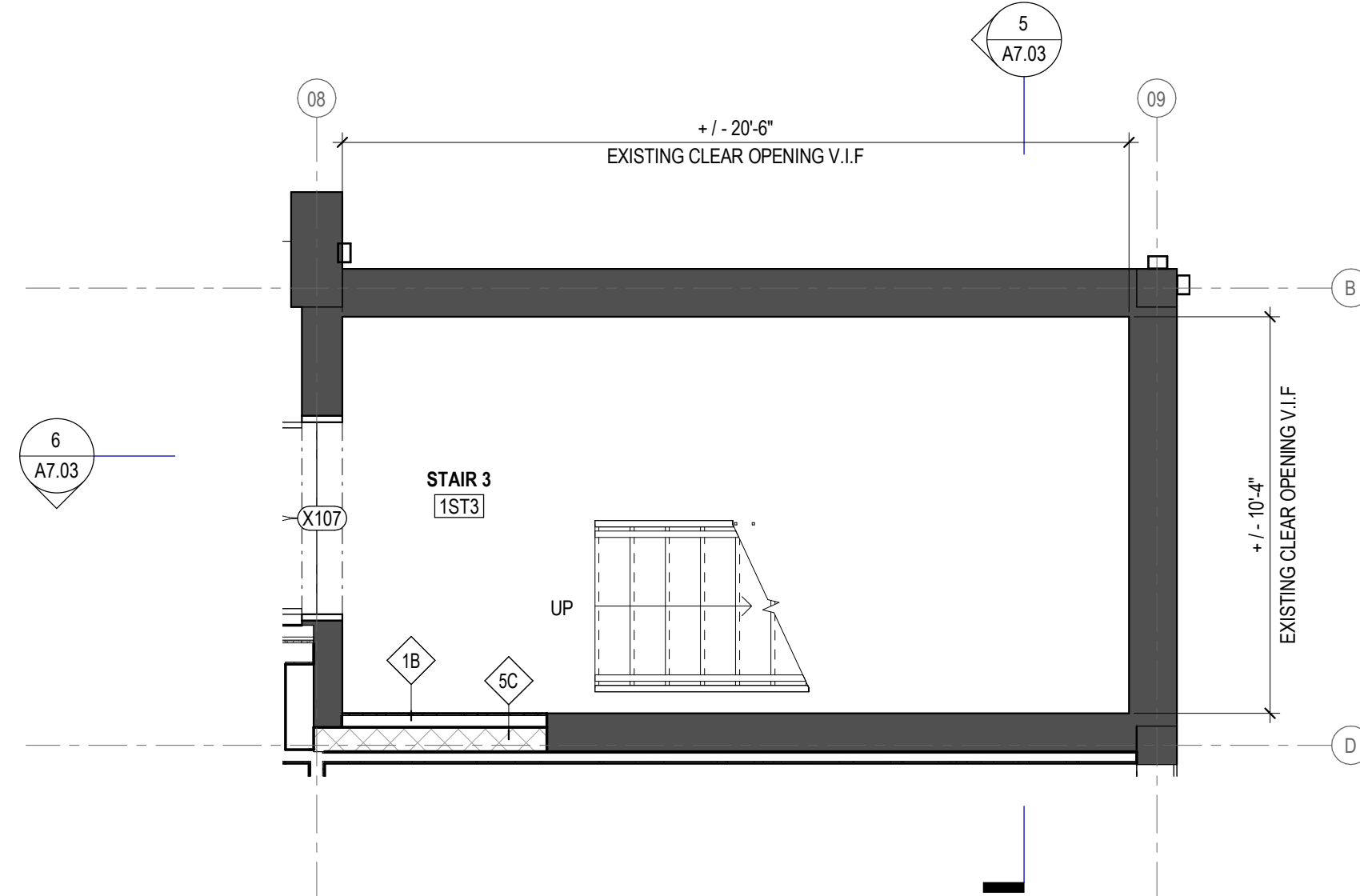
STAIR PLANS &
SECTIONS STAIR
3



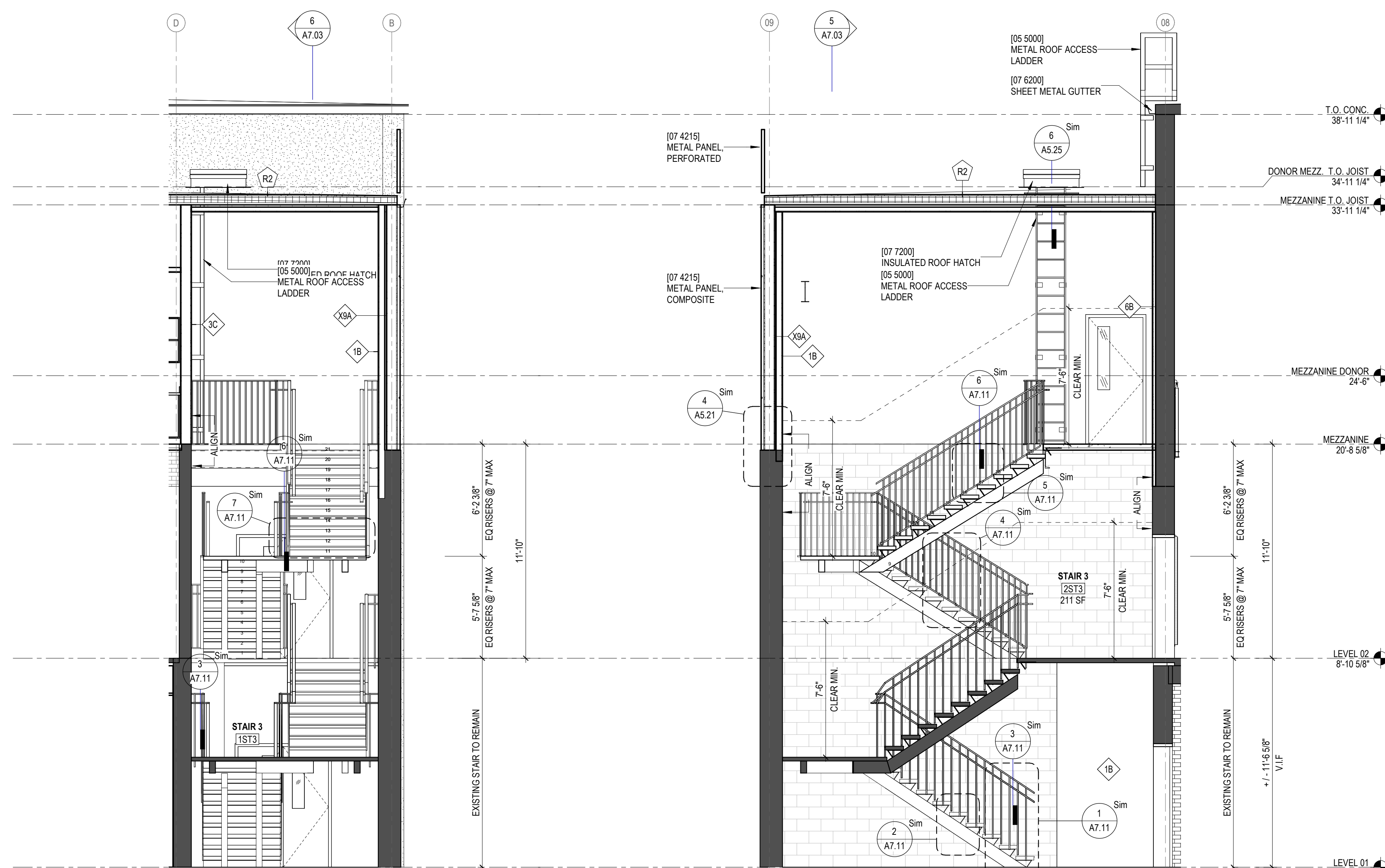
3 ENLARGED PLAN - LEVEL MEZZ - STAIR 3
A7.03 SCALE: 1/4" = 1'-0"



2 ENLARGED PLAN - LEVEL 02 - STAIR 3
A7.03 SCALE: 1/4" = 1'-0"



1 ENLARGED PLAN - LEVEL 01 - STAIR 3
A7.03 SCALE: 1/4" = 1'-0"



6 LONGITUDINAL SECTION - STAIR 3
A7.03 SCALE: 1/4" = 1'-0"



4 STAIR 3 AXON
A7.03 SCALE: 1/4" = 1'-0"

5 TRANSVERSE SECTION - STAIR 3
A7.03 SCALE: 1/4" = 1'-0"

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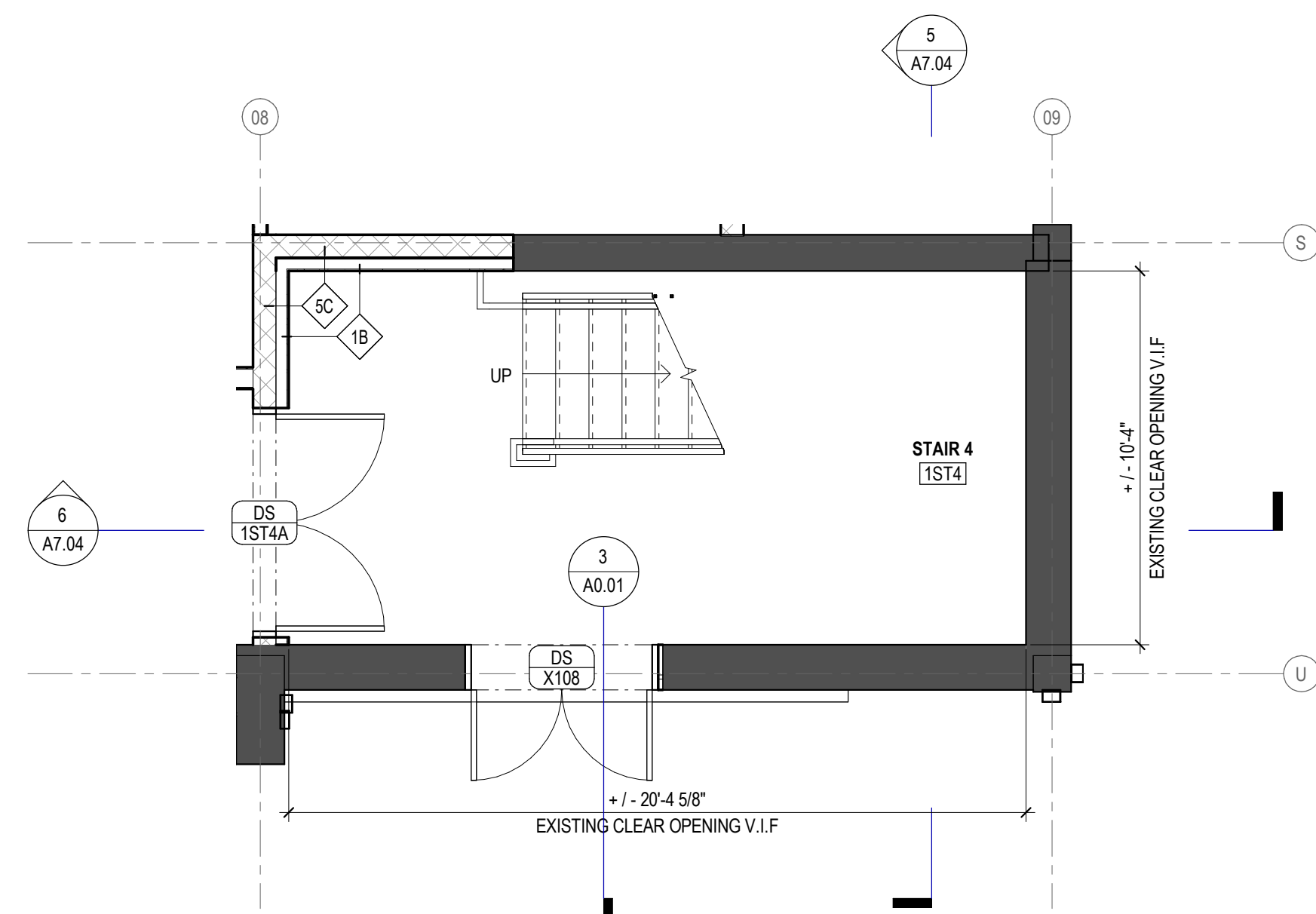
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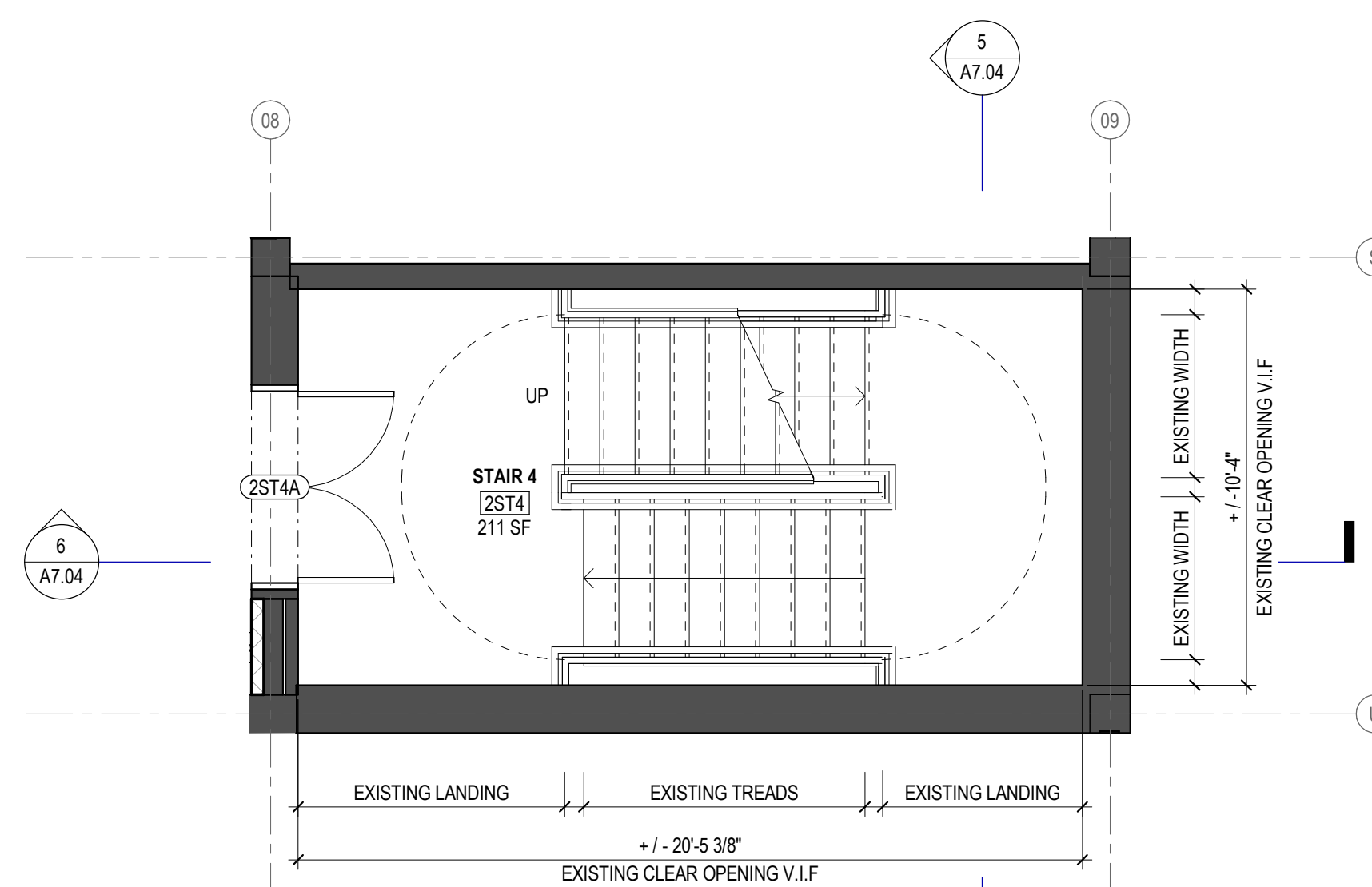
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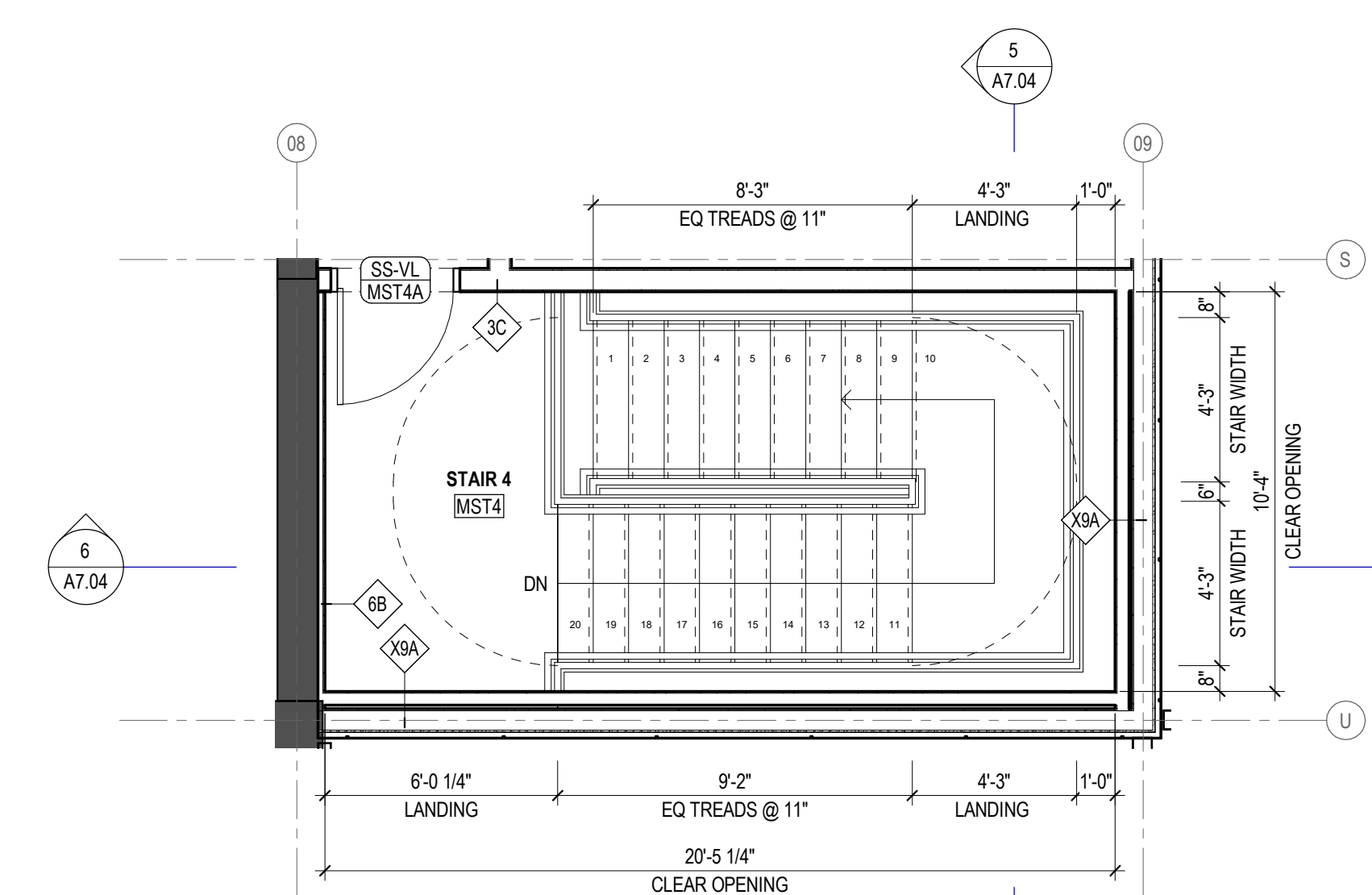
STAIR PLANS &
SECTIONS STAIR
4



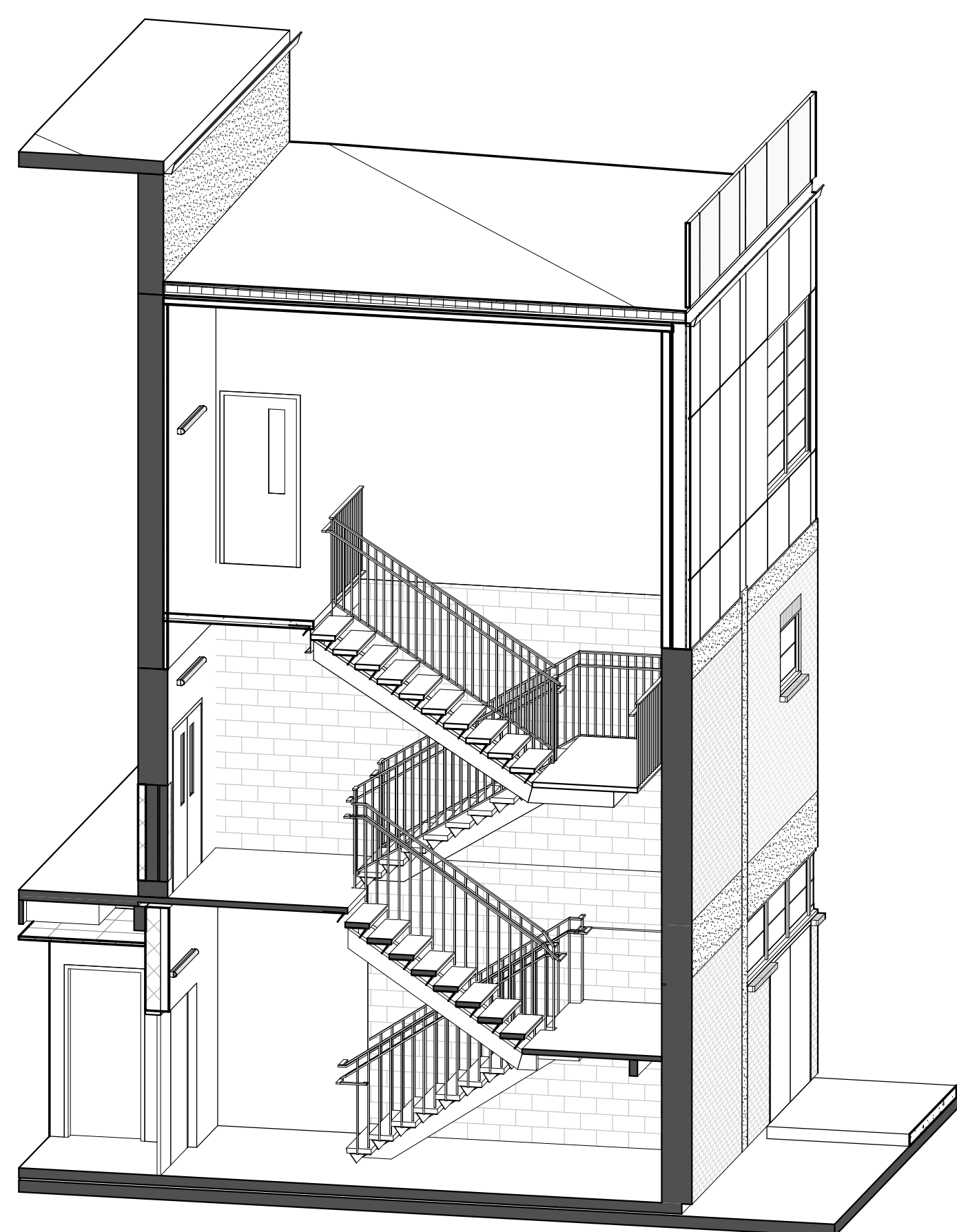
1 ENLARGED PLAN - LEVEL 01 - STAIR 4
A7.04 SCALE: 1/4" = 1'-0"



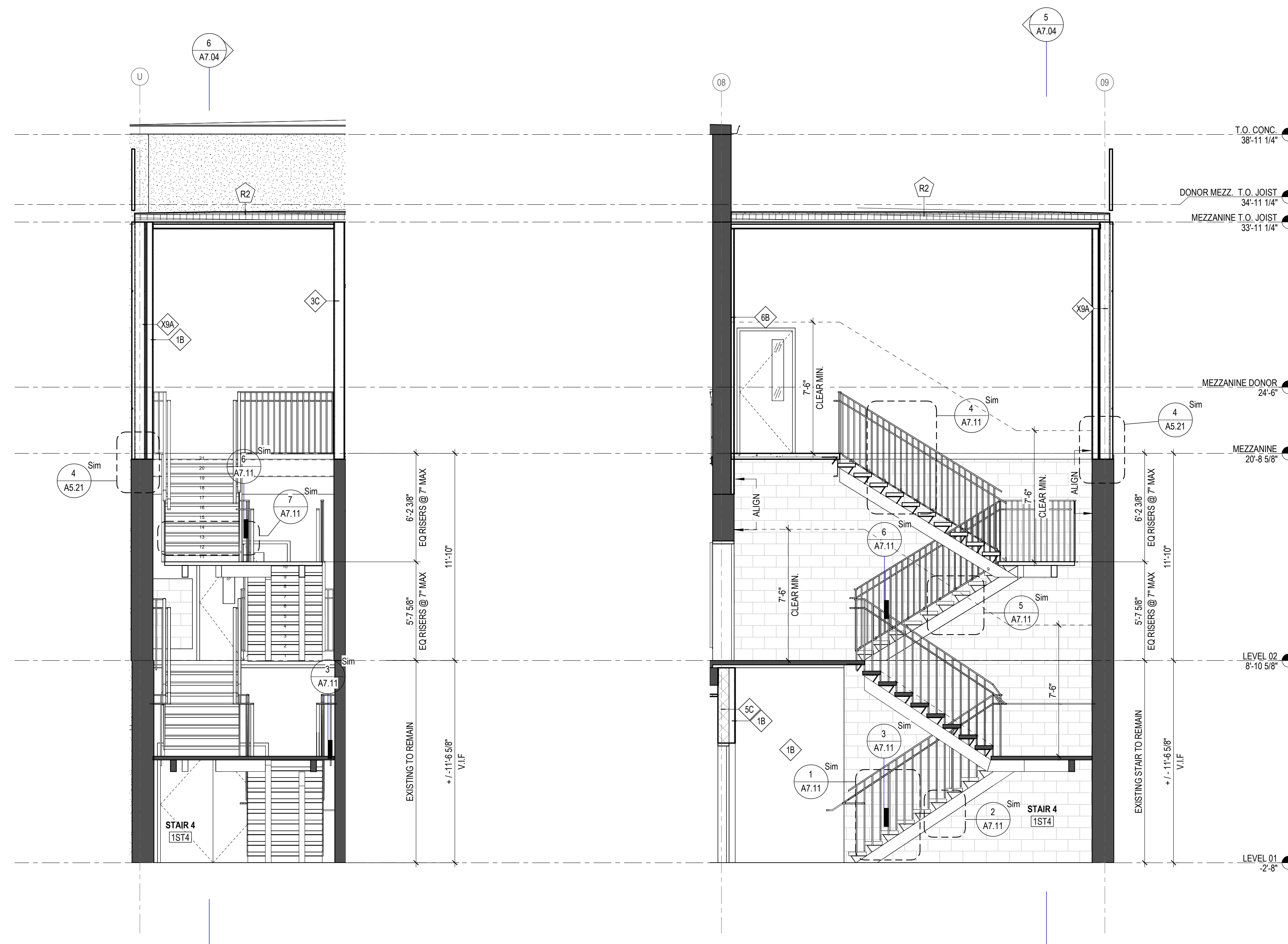
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A7.04 SCALE: 1/4" = 1'-0"



3 ENLARGED PLAN - LEVEL MEZZ - STAIR 4
A7.04 SCALE: 1/4" = 1'-0"



4 STAIR 4 AXON
A7.04 SCALE:



5 TRANSVERSE SECTION - STAIR 4
A7.04 SCALE: 1/4" = 1'-0"

6 LONGITUDINAL SECTION - STAIR 4
A7.04 SCALE: 1/4" = 1'-0"

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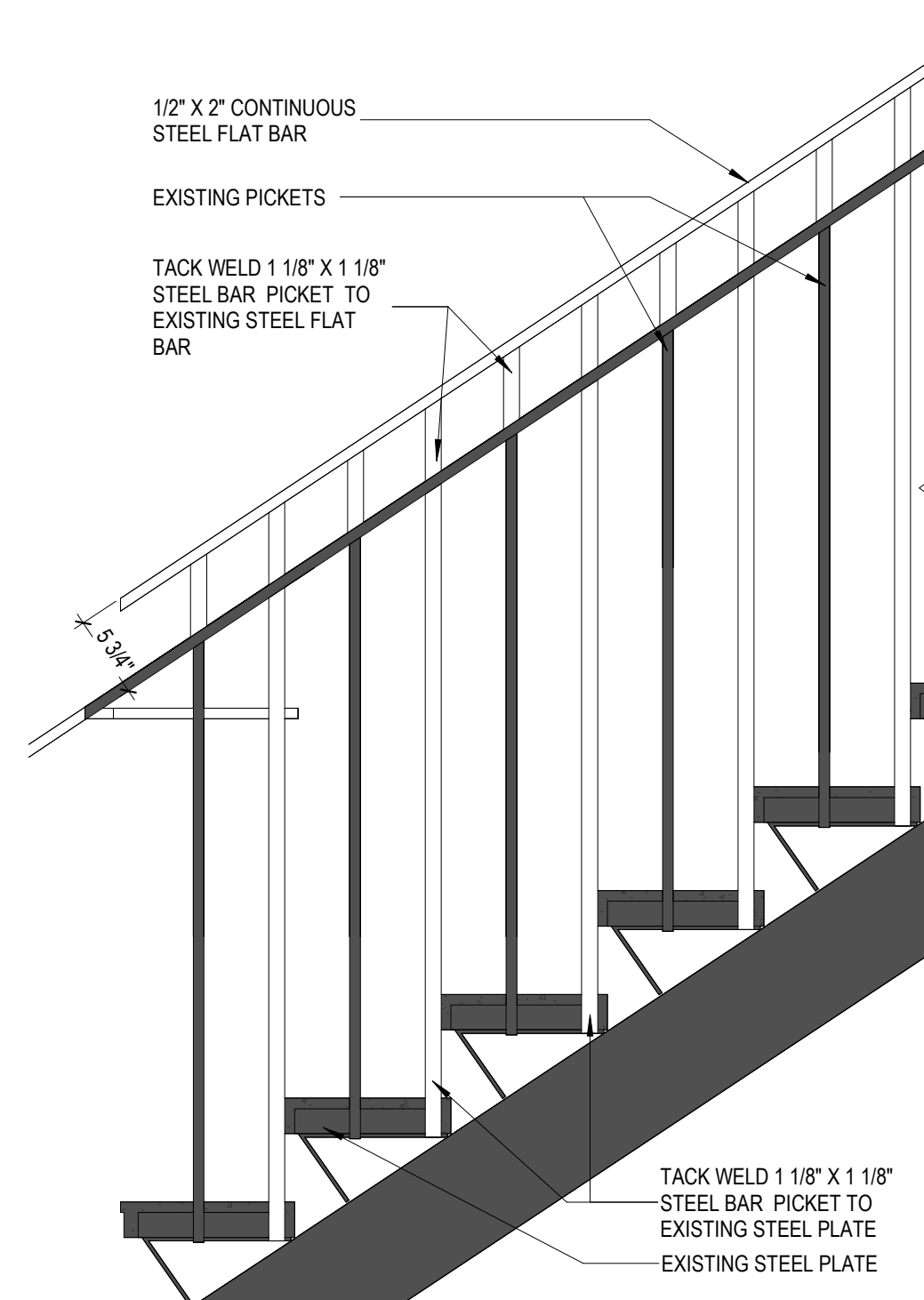
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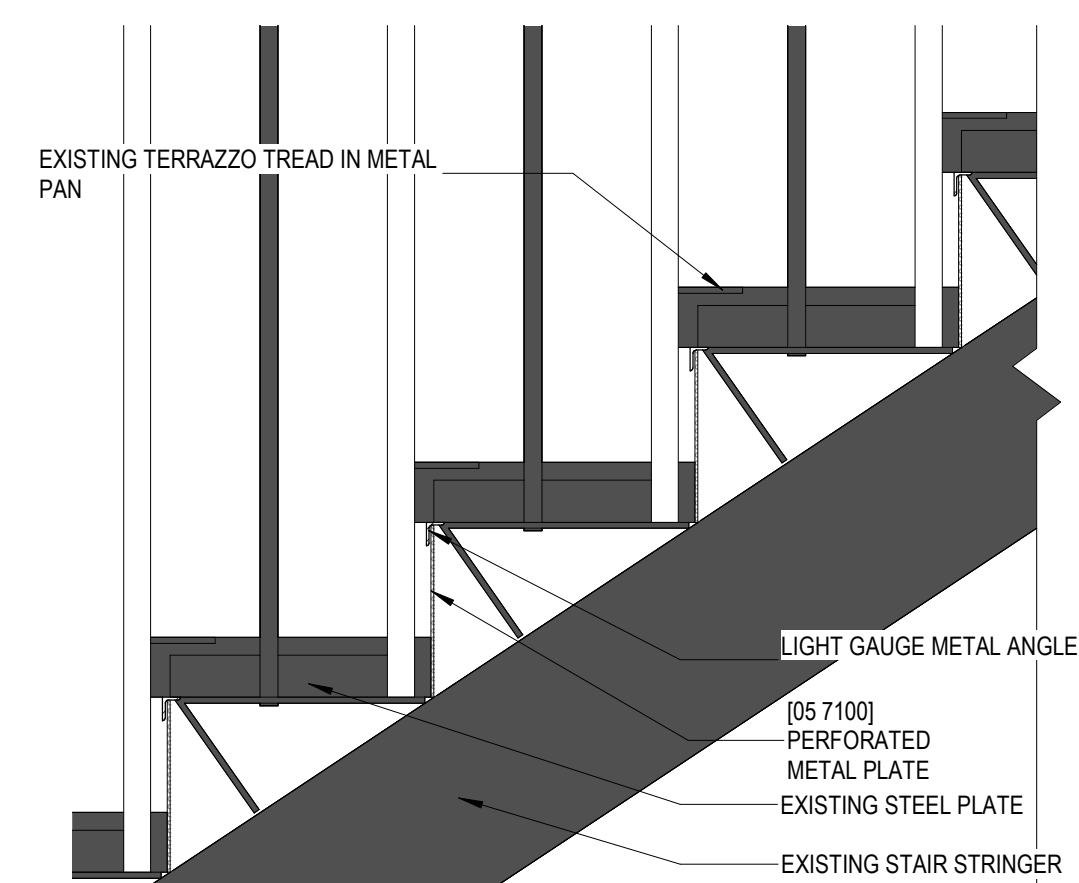
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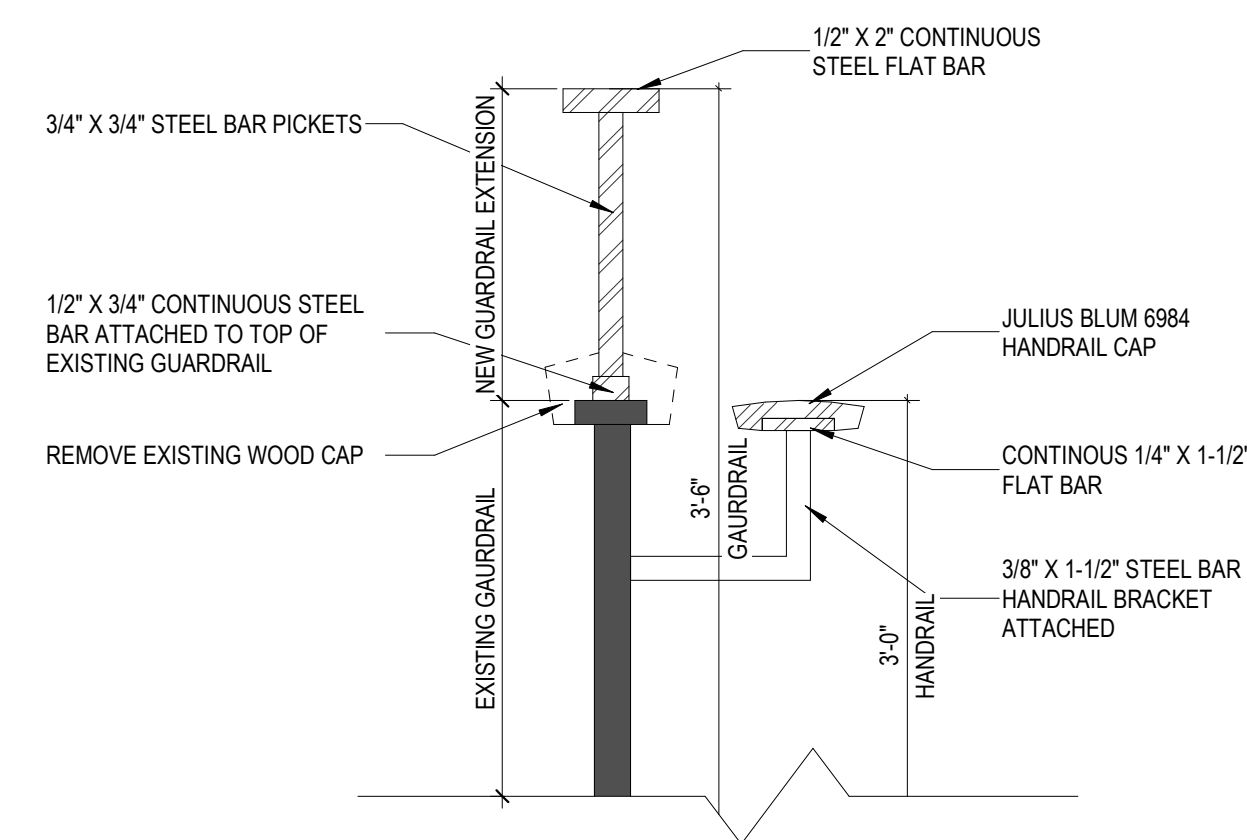
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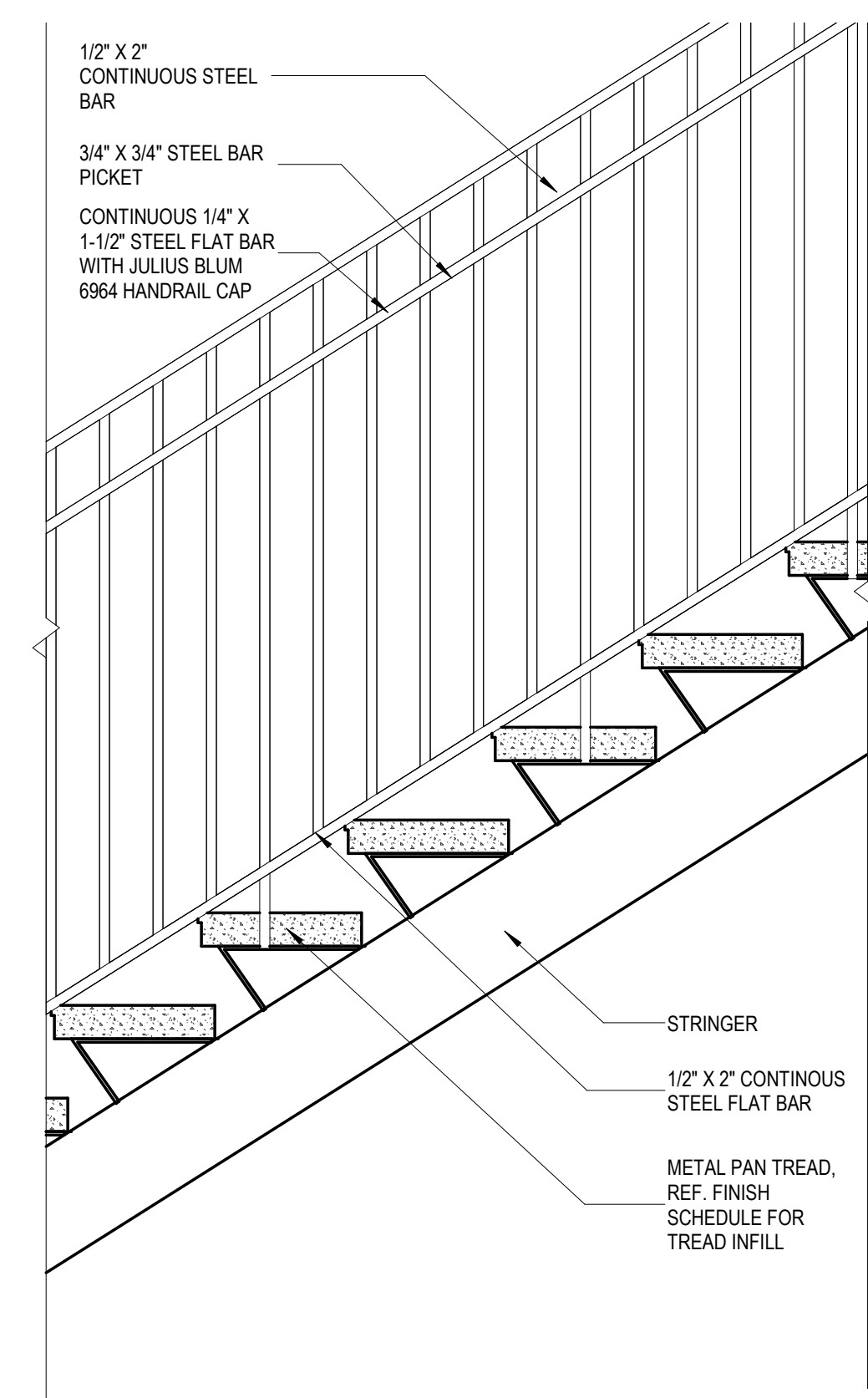
1 EXISTING STAIR RAILING
A7.11 SCALE: 1" = 1'-0"



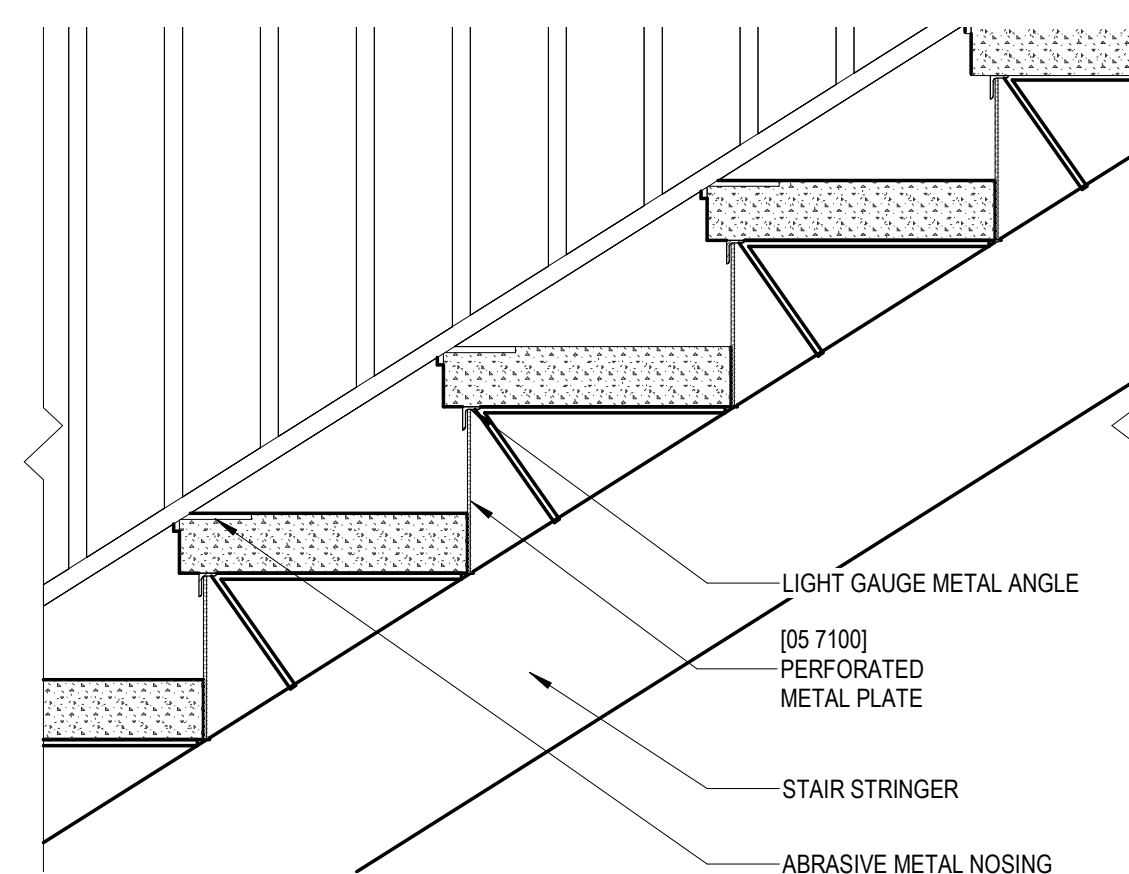
2 EXISTING STAIR TREAD DETAIL
A7.11 SCALE: 1 1/2" = 1'-0"



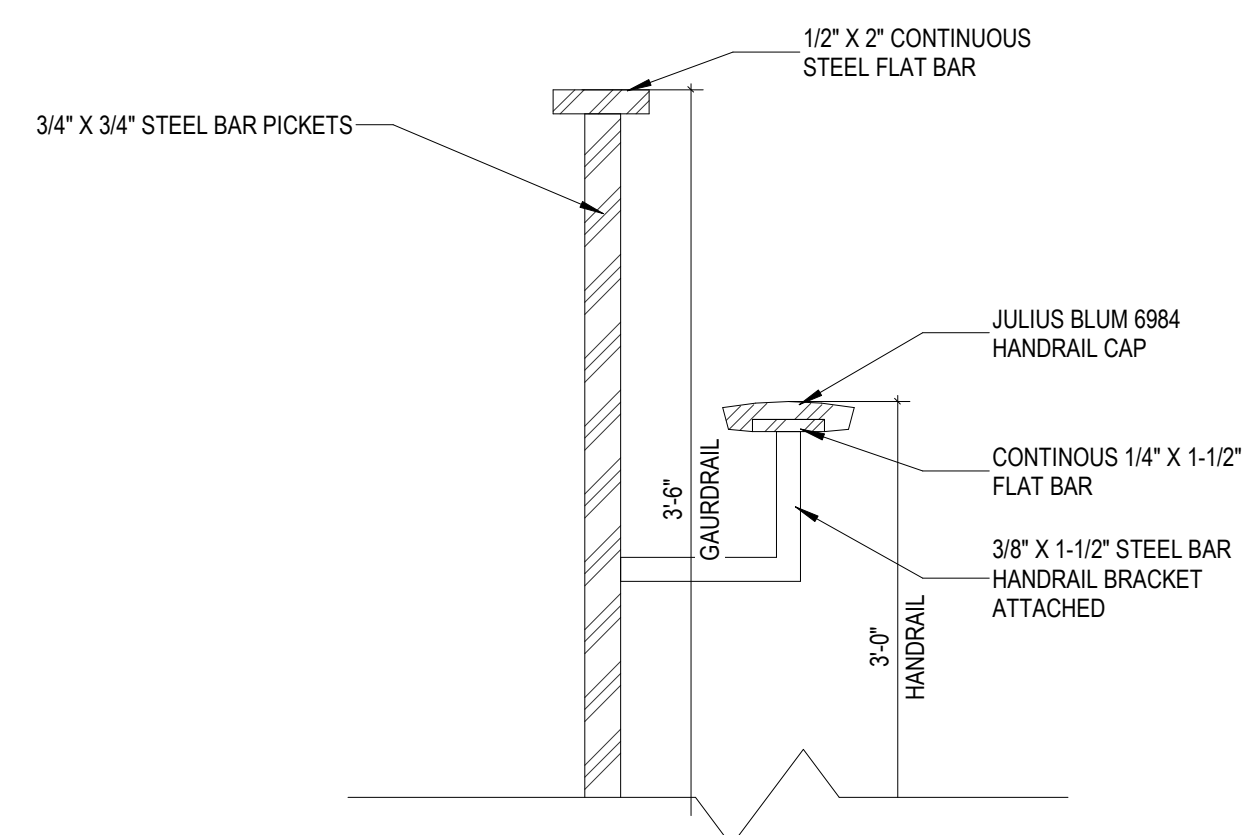
3 EXISTING HANDRAIL DETAIL
A7.11 SCALE: 3" = 1'-0"



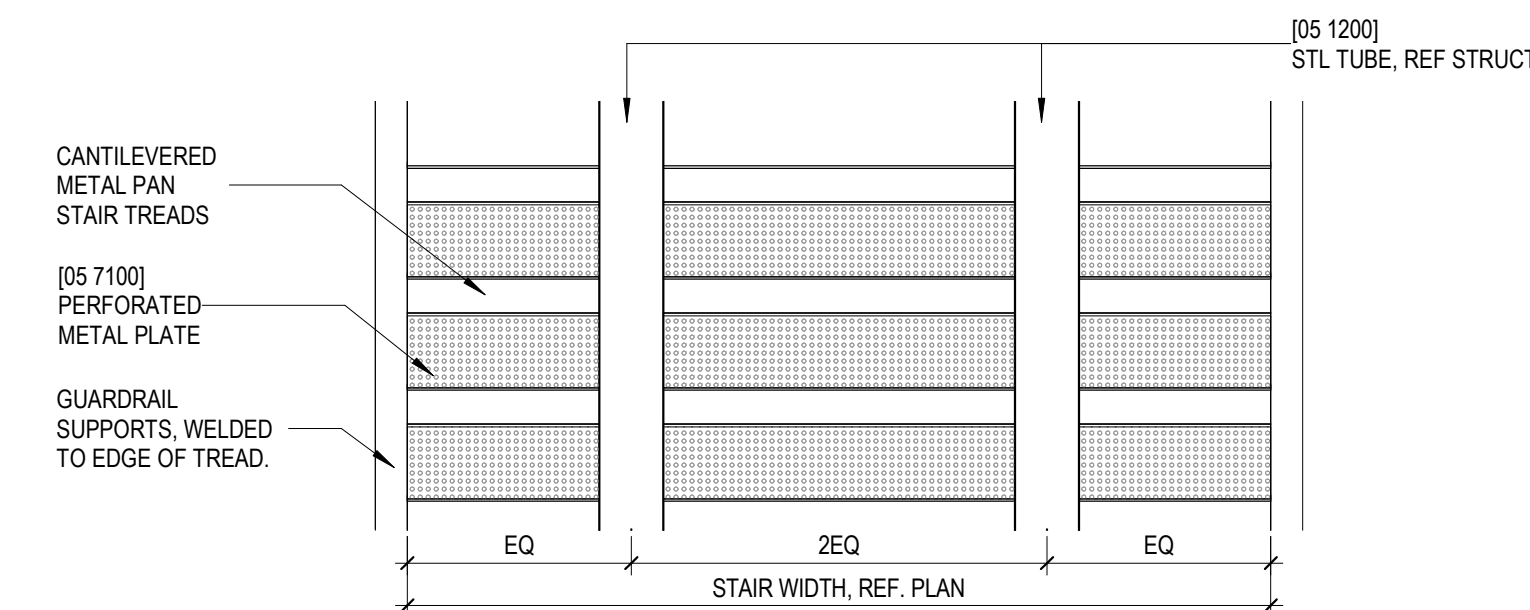
4 NEW STAIR RAILING
A7.11 SCALE: 1" = 1'-0"



5 NEW STAIR TREAD DETAIL
A7.11 SCALE: 1 1/2" = 1'-0"



6 NEW HANDRAIL DETAIL
A7.11 SCALE: 3" = 1'-0"



7 CANTILEVERED TREAD DETAIL
A7.11 SCALE: 1" = 1'-0"

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DETAILS -
TYPICAL STAIRS

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GENERAL DEMOLITION PLAN NOTES

- REMOVE ALL EXISTING PLUMBING FIXTURES AND ASSOCIATED ABOVE GROUND PLUMBING PIPING DOWN TO GRADE. REFER TO PLUMBING DRAWINGS FOR SCOPE OF EXISTING BELOW GRADE PLUMBING TO REMAIN. CAP ABANDONED PLUMBING TO REMAIN AS REQUIRED.
- OWNER TO IDENTIFY AND COORDINATE ITEMS TO BE REMOVED FROM BUILDING PRIOR TO CONSTRUCTION

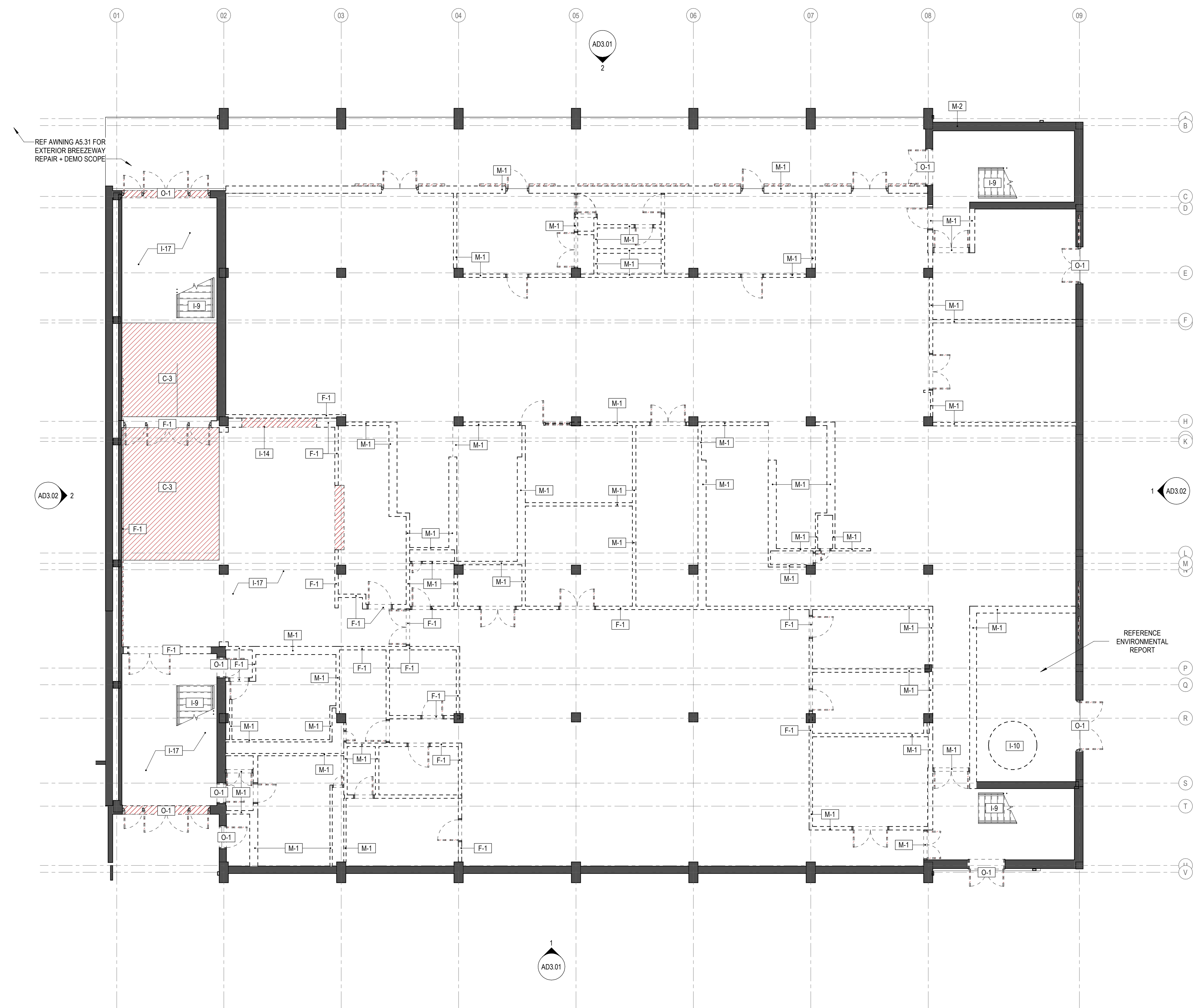
LEGEND - DEMOLITION

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- AREA TO BE INFILLED
- AREA TO BE DEMOLISHED

REFER TO LANDSCAPE FOR SITE DEMOLITION SCOPE

TPA DEMOLITION AND REPAIR NOTES (MASTER LIST)

TYPE MARK	REMARKS
C-3	SAWCUT EXISTING CONCRETE DECK JOIST OR SLAB AS REQUIRED FOR NEW CONSTRUCTION. SEE STRUCTURAL DRAWINGS FOR ANY NEW FRAMING
E-1	REMOVE EXISTING DOWNSPOUTS
E-2	REMOVE EXISTING GUTTERS
E-3	EXISTING ELECTRICAL SERVICE, REF ELECTRICAL DRAWINGS
E-4	REMOVE EXISTING CONCRETE ARCHED CANOPY
F-1	REMOVE EXISTING FRAMED WALL WHERE SHOWN AND ALL ASSOCIATED ELEMENTS IN ITS ENTIRETY
I-1	REMOVE SELECT AREA OF CMU WALL AS SHOWN IN ITS ENTIRETY AND ALL ASSOCIATED OPENINGS, EQUIPMENT, MECHANICAL, ELECTRICAL AND PLUMBING
I-2	REMOVE EXISTING STAGE IN ITS ENTIRETY
I-3	DEMOLISH PORTION OF WALL
I-4	REMOVE SCOREBOARD IN ITS ENTIRETY
I-5	REMOVE EXISTING WALL PADS
I-6	REMOVE EXISTING FIRE HOSE CABINET. SEE NEW FLOOR PLAN FOR SCHEDULED INFILL
I-8	REMOVE INDICATED PORTION OF EXISTING STAIR RAIL
I-9	PROTECT AND PRESERVE EXISTING STAIR AND LANDINGS
I-10	REMOVE EXISTING BOILER AND ALL ASSOCIATED EQUIPMENT
I-11	REMOVE ALL EXISTING BASKETBALL GOALS
I-12	REMOVE EXISTING BLEACHERS
I-13	REMOVE EXISTING GYM FLOORING DOWN TO EXISTING CONCRETE DECK
I-14	REMOVE DISPLAY CASE IN ITS ENTIRETY
I-15	REMOVE DAMAGE AREA OF STRUCTURAL GLAZED TILE AND REPLACE AS SCHEDULED IN NEW FLOOR PLAN
I-16	REMOVE EXISTING DRINKING FOUNTAIN AND ASSOCIATED BACK PLATE. SEE NEW FLOOR PLAN FOR SCHEDULED INFILL
I-17	RETAIN EXISTING TERRAZZO FLOORING. PROTECT IN PLACE.
M-1	CAREFULLY REMOVE AND SALVAGE EXISTING BRICK VENEER FOR RE-USE. COMPLETELY REMOVE BACK UP MASONRY WHERE SHOWN IN ITS ENTIRETY AND ALL ASSOCIATED OPENINGS, EQUIPMENT, MECHANICAL ELECTRICAL AND PLUMBING
M-2	REMOVE SELECT AREA OF MASONRY WALL AS SHOWN TO CREATE NEW ROUGH OPENING
M-3	REMOVE EXISTING MASONRY FLUE STACK IN ITS ENTIRETY
O-1	REMOVE EXISTING DOOR AND FRAME AND RETAIN ROUGH MASONRY OPENING. SEE NEW FLOOR PLAN FOR NEW OPENING OR SCHEDULED INFILL.
O-2	REMOVE EXISTING WINDOW SYSTEM AND RETAIN ROUGH MASONRY OPENING. SEE NEW DRAWINGS FOR SCHEDULED OPENINGS OR INFILL
R-2	REMOVE EXISTING ROOFING, DECK AND SUPPORTING STEEL JOISTS. EXISTING CONCRETE BEAMS AND COLUMNS TO REMAIN.
R-3	REMOVE EXISTING ROOFING & DECK. EXISTING SUPPORTING STEEL JOISTS & CONCRETE BEAMS & COLUMNS TO REMAIN.
R-4	REMOVE EXISTING ROOFING & CONCRETE ROOF DECK. EXISTING CONCRETE BEAMS AND COLUMNS TO REMAIN.



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GENERAL DEMOLITION PLAN NOTES

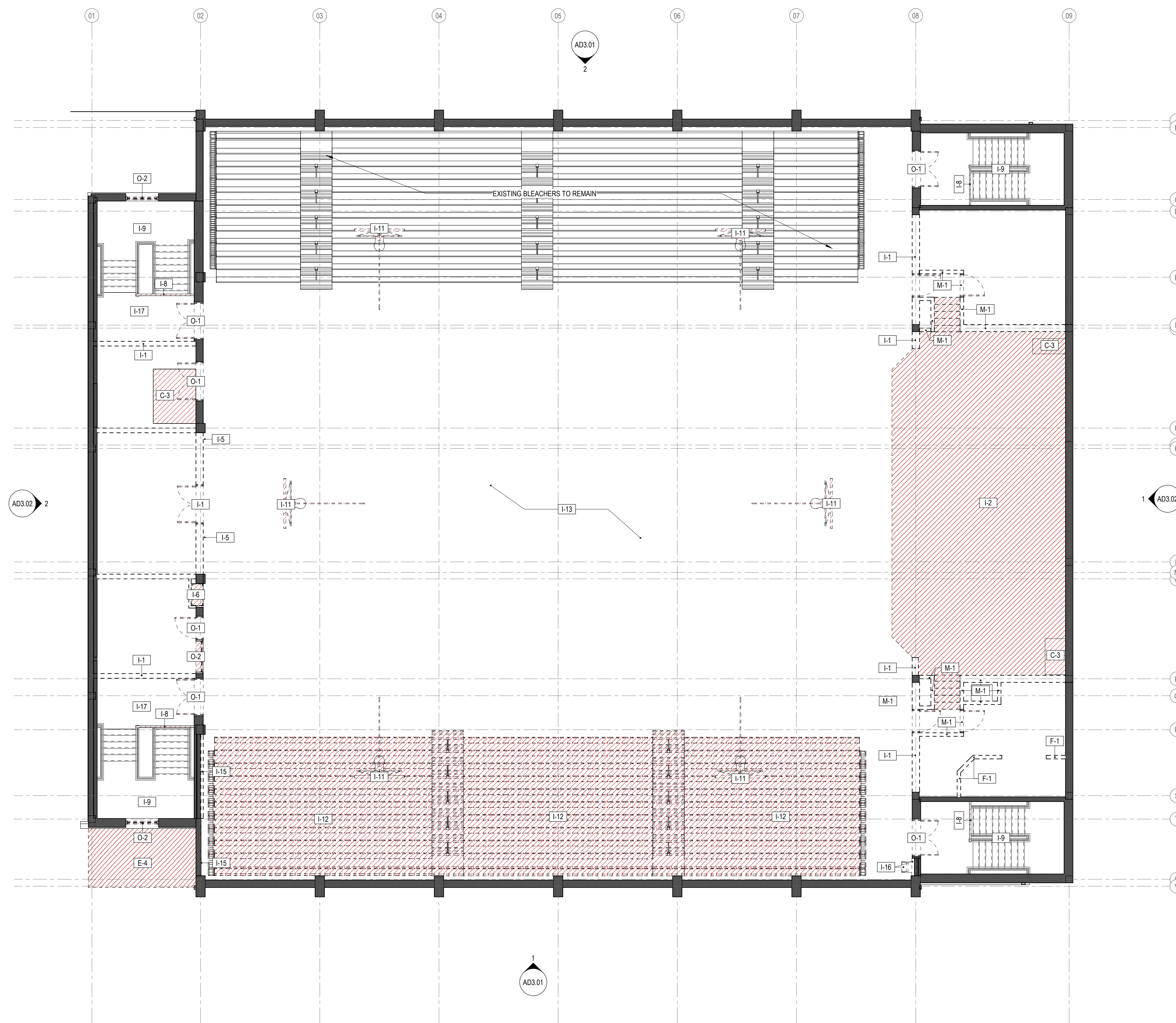
- REMOVE ALL EXISTING PLUMBING FIXTURES AND ASSOCIATED ABOVE GROUND PLUMBING PIPING DOWN TO GRADE. REFER TO PLUMBING DRAWINGS FOR SCOPE OF EXISTING BELOW GRADE PLUMBING TO REMAIN. CAP ABANDONED PLUMBING TO REMAIN AS REQUIRED.
- OWNER TO IDENTIFY AND COORDINATE ITEMS TO BE REMOVED FROM BUILDING PRIOR TO CONSTRUCTION

LEGEND - DEMOLITION

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- AREA TO BE INFILLED
- AREA TO BE DEMOLISHED

TPA DEMOLITION AND REPAIR NOTES (MASTER LIST)

TYPE MARK	REMARKS
C-3	SAWCUT EXISTING CONCRETE DECK JOIST OR SLAB AS REQUIRED FOR NEW CONSTRUCTION. SEE STRUCTURAL DRAWINGS FOR ANY NEW FRAMING
E-1	REMOVE EXISTING DOWNSPOUTS
E-2	REMOVE EXISTING GUTTERS
E-3	EXISTING ELECTRICAL SERVICE. REF ELECTRICAL DRAWINGS
E-4	REMOVE EXISTING CONCRETE ARCHED CANOPY
F-1	REMOVE EXISTING FRAMED WALL WHERE SHOWN AND ALL ASSOCIATED ELEMENTS IN ITS ENTIRETY
I-1	REMOVE SELECT AREA OF CMU WALL AS SHOWN IN ITS ENTIRETY AND ALL ASSOCIATED OPENINGS, EQUIPMENT, MECHANICAL, ELECTRICAL AND PLUMBING
I-2	REMOVE EXISTING STAGE IN ITS ENTIRETY
I-3	DEMOLISH PORTION OF WALL
I-4	REMOVE SCOREBOARD IN ITS ENTIRETY
I-5	REMOVE EXISTING WALL PADS
I-6	REMOVE EXISTING FIRE HOSE CABINET. SEE NEW FLOOR PLAN FOR SCHEDULED INFILL.
I-8	REMOVE INDICATED PORTION OF EXISTING STAIR RAIL
I-9	PROTECT AND PRESERVE EXISTING STAIR AND LANDINGS
I-10	REMOVE EXISTING BOILER AND ALL ASSOCIATED EQUIPMENT
I-11	REMOVE ALL EXISTING BASKETBALL GOALS
I-12	REMOVE EXISTING BLEACHERS
I-13	REMOVE EXISTING GYM FLOORING DOWN TO EXISTING CONCRETE DECK
I-14	REMOVE DISPLAY CASE IN ITS ENTIRETY
I-15	REMOVE DAMAGE AREA OF STRUCTURAL GLAZED TILE AND REPLACE AS SCHEDULED IN NEW FLOOR PLAN
I-16	REMOVE EXISTING DRINKING FOUNTAIN AND ASSOCIATED BACK PLATE. SEE NEW FLOOR PLAN FOR SCHEDULED INFILL
I-17	RETAIN EXISTING TERRAZZO FLOORING. PROTECT IN PLACE.
M-1	CAREFULLY REMOVE AND SALVAGE EXISTING BRICK VEENER FOR RE-USE. COMPLETELY REMOVE BACK UP MASONRY WHERE SHOWN IN ITS ENTIRETY AND ALL ASSOCIATED OPENINGS, EQUIPMENT, MECHANICAL, ELECTRICAL AND PLUMBING
M-2	REMOVE SELECT AREA OF MASONRY WALL AS SHOWN TO CREATE NEW ROUGH OPENING
M-3	REMOVE EXISTING MASONRY FLUE STACK IN ITS ENTIRETY
O-1	REMOVE EXISTING DOOR AND FRAME AND RETAIN ROUGH MASONRY OPENING. SEE NEW FLOOR PLAN FOR NEW OPENING OR SCHEDULED INFILL
O-2	REMOVE EXISTING WINDOW SYSTEM AND RETAIN ROUGH MASONRY OPENING. SEE NEW DRAWINGS FOR SCHEDULED OPENINGS OR INFILL
R-2	REMOVE EXISTING ROOFING, DECK AND SUPPORTING STEEL JOISTS. EXISTING CONCRETE BEAMS AND COLUMNS TO REMAIN.
R-3	REMOVE EXISTING ROOFING & DECK. EXISTING SUPPORTING STEEL JOISTS & CONCRETE BEAMS & COLUMNS TO REMAIN.
R-4	REMOVE EXISTING ROOFING & CONCRETE ROOF DECK. EXISTING CONCRETE BEAMS AND COLUMNS TO REMAIN.



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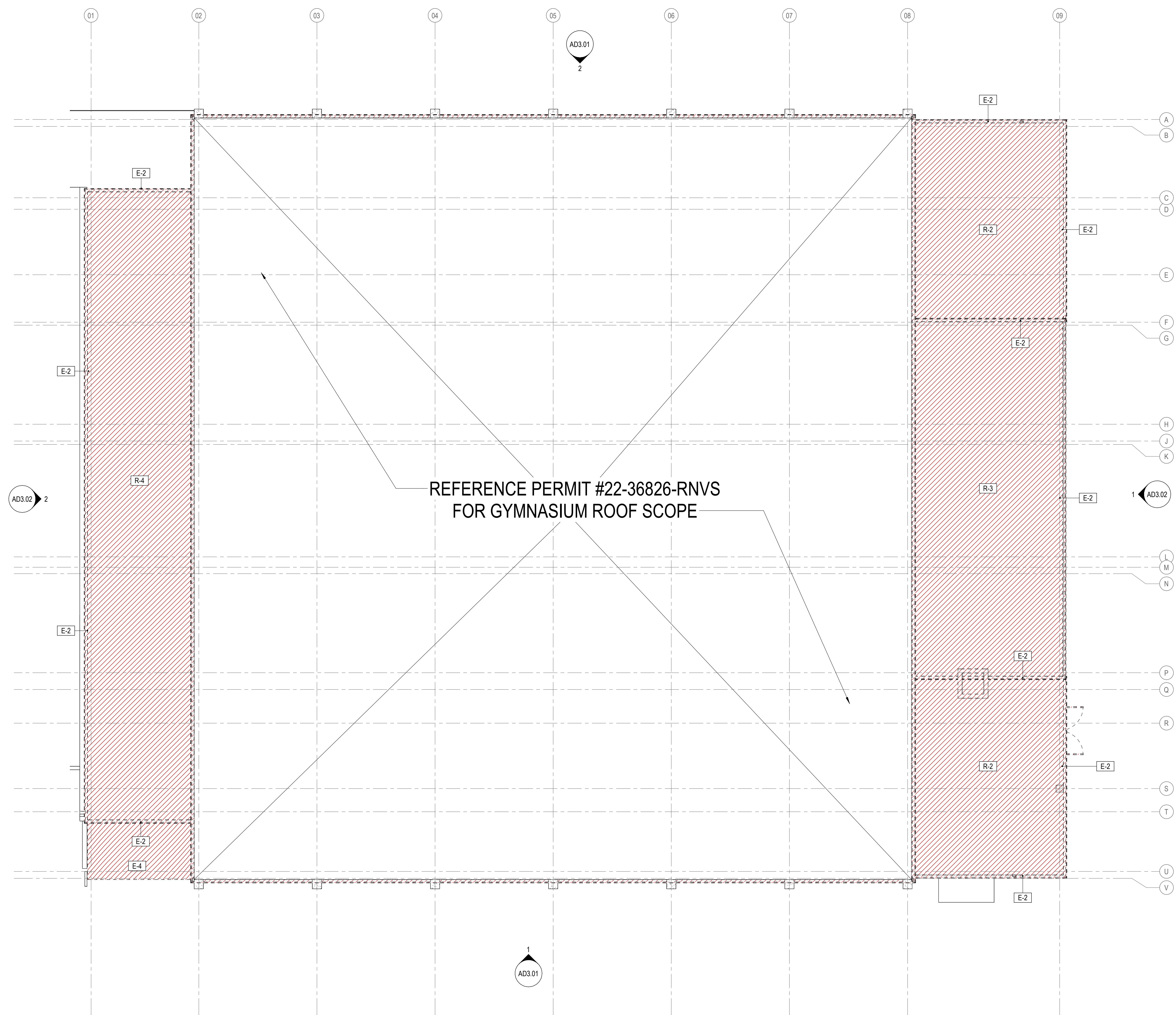
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LEGEND - DEMOLITION

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- AREA TO BE INFILLED
- AREA TO BE DEMOLISHED

TPA DEMOLITION AND REPAIR NOTES (MASTER LIST)

TYPE MARK	REMARKS
C-3	SAWCUT EXISTING CONCRETE DECK, JOIST OR SLAB AS REQUIRED FOR NEW CONSTRUCTION. SEE STRUCTURAL DRAWINGS FOR ANY NEW FRAMING
E-1	REMOVE EXISTING DOWNSPOUTS
E-2	REMOVE EXISTING GUTTERS
E-3	EXISTING ELECTRICAL SERVICE, REF ELECTRICAL DRAWINGS
E-4	REMOVE EXISTING CONCRETE ARCHED CANOPY
F-1	REMOVE EXISTING FRAMED WALL WHERE SHOWN AND ALL ASSOCIATED ELEMENTS IN ITS ENTIRETY
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I-8	REMOVE INDICATED PORTION OF EXISTING STAIR RAIL
I-9	PROTECT AND PRESERVE EXISTING STAIR AND LANDINGS
I-10	REMOVE EXISTING BOILER AND ALL ASSOCIATED EQUIPMENT
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I-17	RETAIN EXISTING TERRAZZO FLOORING. PROTECT IN PLACE.
M-1	CAREFULLY REMOVE AND SALVAGE EXISTING BRICK VENEER FOR RE-USE. COMPLETELY REMOVE BACK UP MASONRY WHERE SHOWN IN ITS ENTIRETY AND ALL ASSOCIATED OPENINGS, EQUIPMENT, MECHANICAL, ELECTRICAL AND PLUMBING
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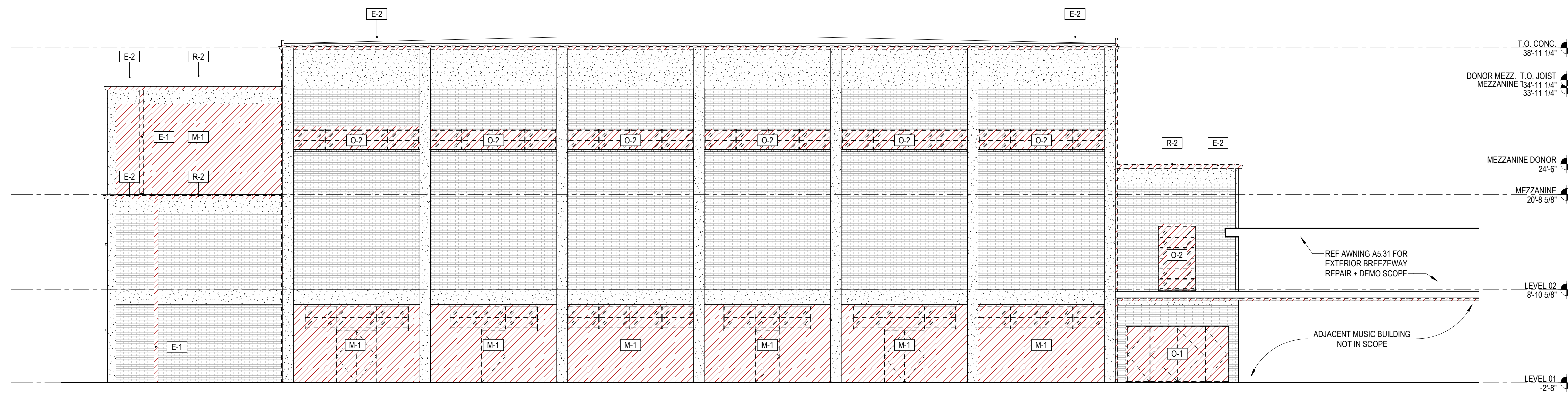
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LEGEND - DEMOLITION

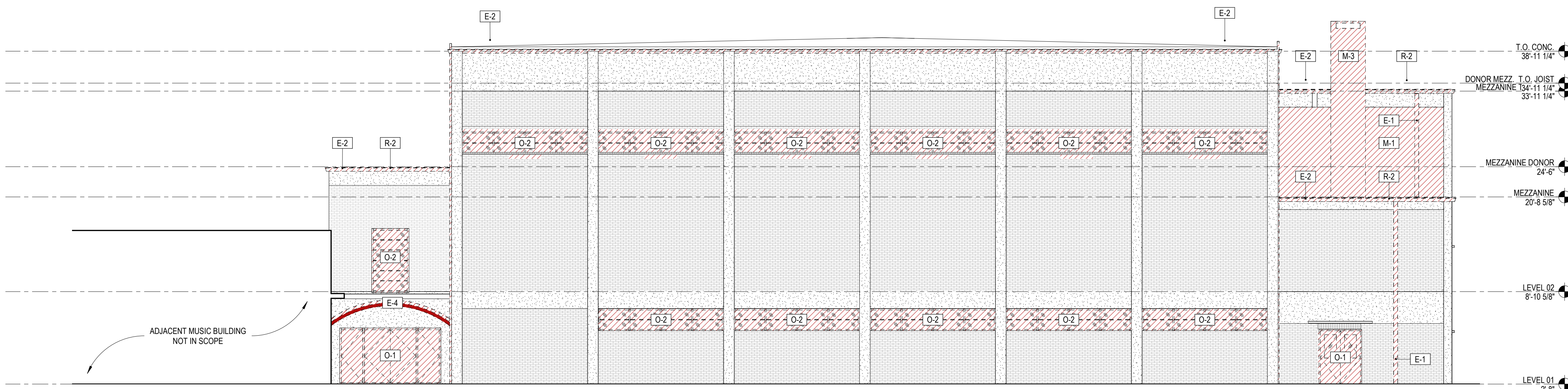
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- AREA TO BE INFILLED
- AREA TO BE DEMOLISHED

TPA DEMOLITION AND REPAIR NOTES (MASTER LIST)

TYPE MARK	REMARKS
C-3	SAWCUT EXISTING CONCRETE DECK JOIST OR SLAB AS REQUIRED FOR NEW CONSTRUCTION. SEE STRUCTURAL DRAWINGS FOR ANY NEW FRAMING
E-1	REMOVE EXISTING DOWNSPOUTS
E-2	REMOVE EXISTING GUTTERS
E-3	EXISTING ELECTRICAL SERVICE, REF ELECTRICAL DRAWINGS
E-4	REMOVE EXISTING CONCRETE ARCHED CANOPY
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I-3	DEMOLISH PORTION OF WALL
I-4	REMOVE SCOREBOARD IN ITS ENTIRETY
I-5	REMOVE EXISTING WALL PADS
I-6	REMOVE EXISTING FIRE HOSE CABINET, SEE NEW FLOOR PLAN FOR SCHEDULED INFILL
I-8	REMOVE INDICATED PORTION OF EXISTING STAIR RAIL
I-9	PROTECT AND PRESERVE EXISTING STAIR AND LANDINGS
I-10	REMOVE EXISTING BOILER AND ALL ASSOCIATED EQUIPMENT
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I-17	RETAIN EXISTING TERRAZZO FLOORING. PROTECT IN PLACE.
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R-3	REMOVE EXISTING ROOFING & DECK. EXISTING SUPPORTING STEEL JOISTS & CONCRETE BEAMS & COLUMNS TO REMAIN.
R-4	REMOVE EXISTING ROOFING & CONCRETE ROOF DECK. EXISTING CONCRETE BEAMS AND COLUMNS TO REMAIN.



2 ELEVATION - NORTH DEMO
AD3.01 SCALE: 1/8" = 1'-0"



1 ELEVATION - SOUTH DEMO
AD3.01 SCALE: 1/8" = 1'-0"

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EXTERIOR
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1000 South Normand C. Francis Parkway
New Orleans, LA 70125
(504) 822-6443



REVISION #	DESCRIPTION	DATE

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PROJECT NUMBER
CN21101-02
ISSUE DATE
05/26/23

EXTERIOR
ELEVATIONS -
DEMO

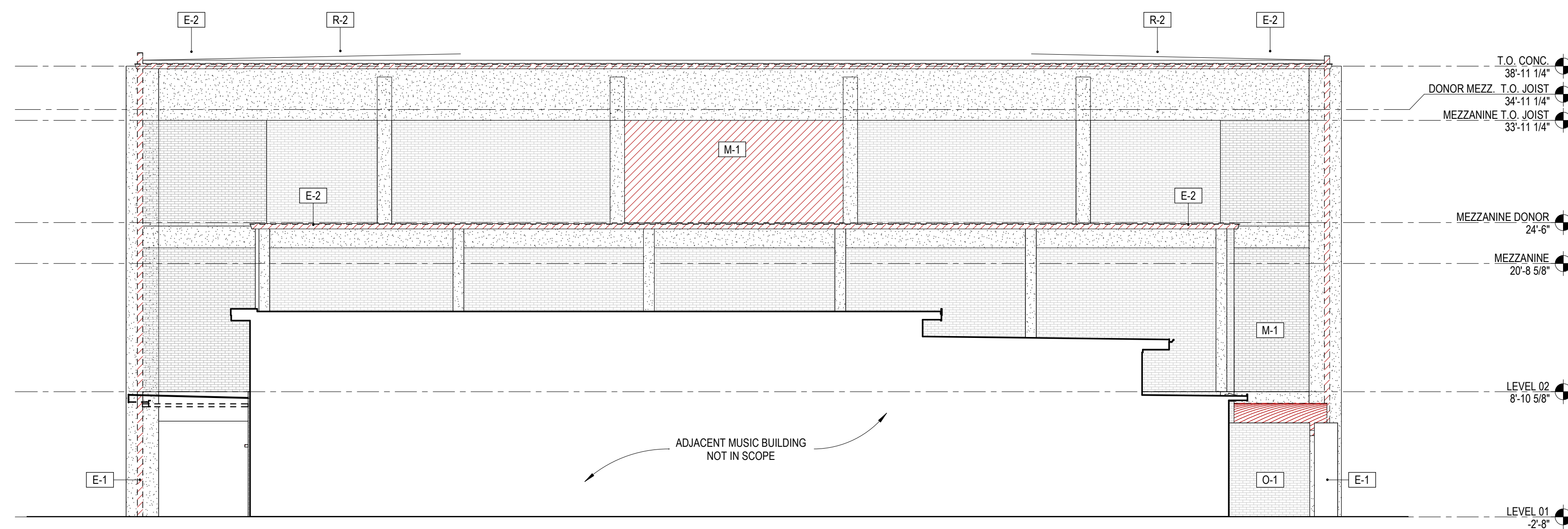
AD3.02

LEGEND - DEMOLITION

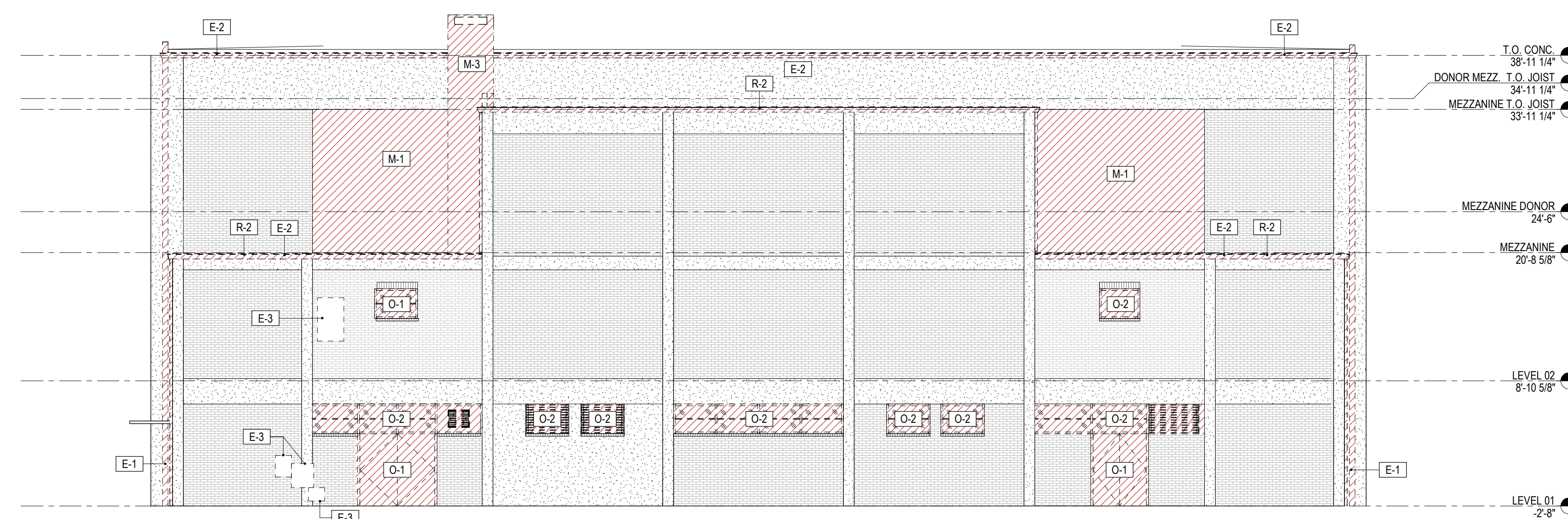
- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- AREA TO BE INFILLED
- AREA TO BE DEMOLISHED

TPA DEMOLITION AND REPAIR NOTES (MASTER LIST)

TYPE MARK	REMARKS
C-3	SAWCUT EXISTING CONCRETE DECK JOIST OR SLAB AS REQUIRED FOR NEW CONSTRUCTION. SEE STRUCTURAL DRAWINGS FOR ANY NEW FRAMING
E-1	REMOVE EXISTING DOWNSPOUTS
E-2	REMOVE EXISTING GUTTERS
E-3	EXISTING ELECTRICAL SERVICE, REF ELECTRICAL DRAWINGS
E-4	REMOVE EXISTING CONCRETE ARCHED CANOPY
F-1	REMOVE EXISTING FRAMED WALL WHERE SHOWN AND ALL ASSOCIATED ELEMENTS IN ITS ENTIRETY
I-1	REMOVE SELECT AREA OF CMU WALL AS SHOWN IN ITS ENTIRETY AND ALL ASSOCIATED OPENINGS, EQUIPMENT, MECHANICAL, ELECTRICAL AND PLUMBING
I-2	REMOVE EXISTING STAGE IN ITS ENTIRETY
I-3	DEMOLISH PORTION OF WALL
I-4	REMOVE SCOREBOARD IN ITS ENTIRETY
I-5	REMOVE EXISTING WALL PADS
I-6	REMOVE EXISTING FIRE HOSE CABINET, SEE NEW FLOOR PLAN FOR SCHEDULED INFILL
I-8	REMOVE INDICATED PORTION OF EXISTING STAIR RAIL
I-9	PROTECT AND PRESERVE EXISTING STAIR AND LANDINGS
I-10	REMOVE EXISTING BOILER AND ALL ASSOCIATED EQUIPMENT
I-11	REMOVE ALL EXISTING BASKETBALL GOALS
I-12	REMOVE EXISTING BLEACHERS
I-13	REMOVE EXISTING GYM FLOORING DOWN TO EXISTING CONCRETE DECK
I-14	REMOVE DISPLAY CASE IN ITS ENTIRETY
I-15	REMOVE DAMAGE AREA OF STRUCTURAL GLAZED TILE AND REPLACE AS SCHEDULED IN NEW FLOOR PLAN
I-16	REMOVE EXISTING DRINKING FOUNTAIN AND ASSOCIATED BACK PLATE, SEE NEW FLOOR PLAN FOR SCHEDULED INFILL
I-17	RETAIN EXISTING TERRAZZO FLOORING. PROTECT IN PLACE.
M-1	CAREFULLY REMOVE AND SALVAGE EXISTING BRICK VENEER FOR RE-USE. COMPLETELY REMOVE BACK UP MASONRY WHERE SHOWN IN ITS ENTIRETY AND ALL ASSOCIATED OPENINGS, EQUIPMENT, MECHANICAL, ELECTRICAL AND PLUMBING
M-2	REMOVE SELECT AREA OF MASONRY WALL AS SHOWN TO CREATE NEW ROUGH OPENING
M-3	REMOVE EXISTING MASONRY FLUE STACK IN ITS ENTIRETY
O-1	REMOVE EXISTING DOOR AND FRAME AND RETAIN ROUGH MASONRY OPENING, SEE NEW FLOOR PLAN FOR NEW OPENING OR SCHEDULED INFILL
O-2	REMOVE EXISTING WINDOW SYSTEM AND RETAIN ROUGH MASONRY OPENING, SEE NEW DRAWINGS FOR SCHEDULED OPENINGS OR INFILL
R-2	REMOVE EXISTING ROOFING, DECK AND SUPPORTING STEEL JOISTS. EXISTING CONCRETE BEAMS AND COLUMNS TO REMAIN.
R-3	REMOVE EXISTING ROOFING & DECK. EXISTING SUPPORTING STEEL JOISTS & CONCRETE BEAMS & COLUMNS TO REMAIN.
R-4	REMOVE EXISTING ROOFING & CONCRETE ROOF DECK. EXISTING CONCRETE BEAMS AND COLUMNS TO REMAIN.



2 ELEVATION - WEST DEMO
AD3.02 SCALE: 1/8" = 1'-0"



1 ELEVATION - EAST DEMO
AD3.02 SCALE: 1/8" = 1'-0"

ST. AUGUSTINE HS
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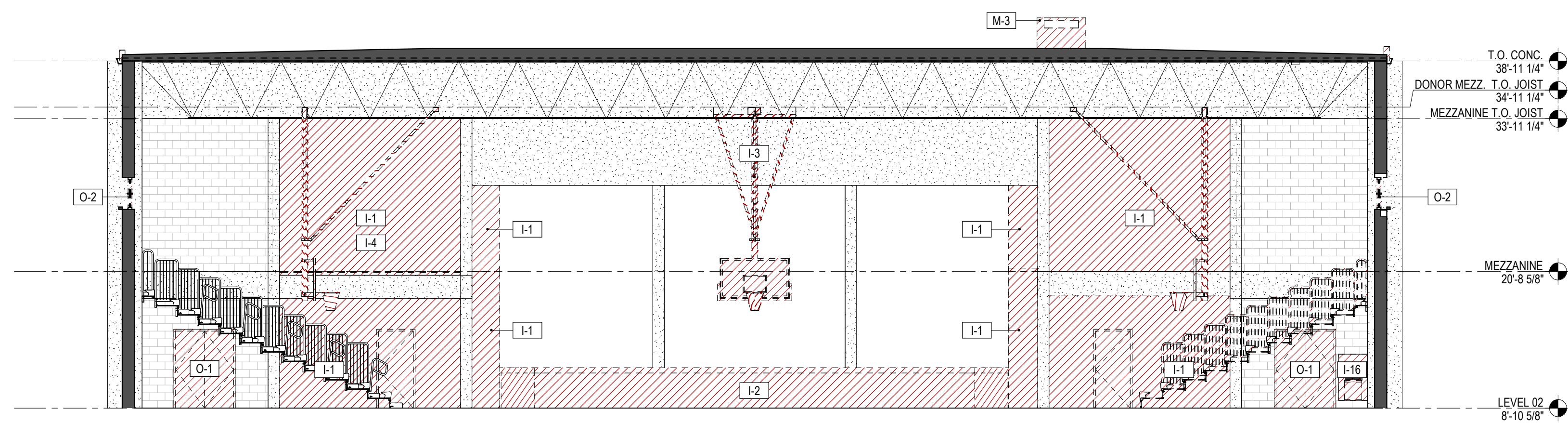


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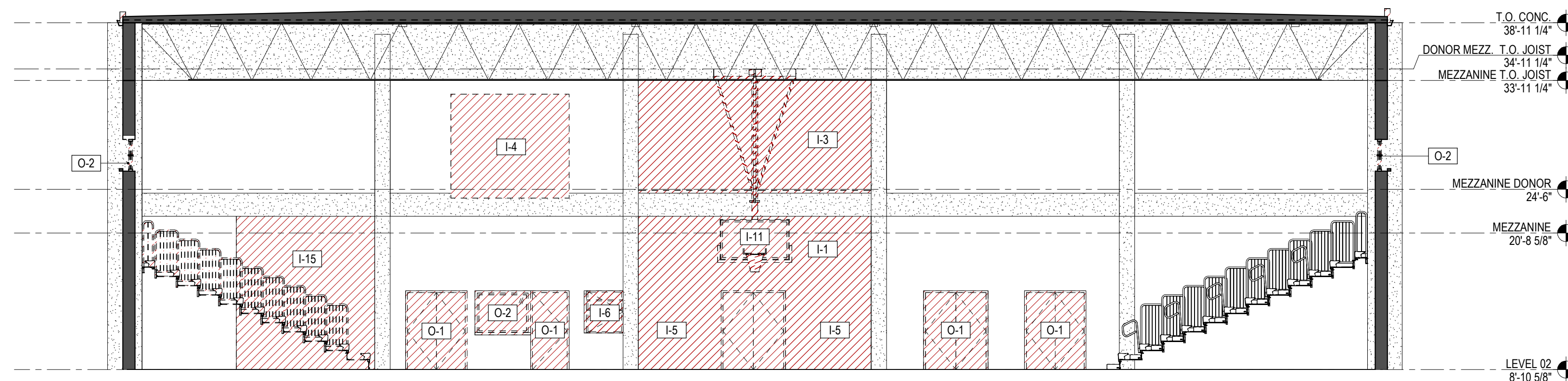
LEGEND - DEMOLITION

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1 INTERIOR ELEVATION DEMO - GYM STAGE
AD3.03 SCALE: 1/8" = 1'-0"



2 INTERIOR ELEVATION DEMO - GYM DONOR SIDE
AD3.03 SCALE: 1/8" = 1'-0"

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INTERIOR
ELEVATIONS
DEMO

GENERAL STRUCTURAL NOTES

I. GENERAL

- The contractor shall ensure that no construction load exceeds the design live loads indicated on the structural drawings and that these loads are not put on the structural members prior to the time that all framing members and their connections are in place.
- The contractor shall be responsible for the design, placement, maintenance, etc. of any and all shoring, bracing, tie backs, etc. needed to support any part of the new or existing construction during the entire construction process to ensure the safety and integrity of the structure until the necessary permanent elements are in place.
- See architectural and electrical drawings for exact location of all depressions, slopes, openings, penetrations, etc. Penetrations not shown on the structural drawings shall be brought to the attention of the structural engineer.
- Dimensions - Use written dimensions only. Do not scale from this drawing.
- The structural drawings shall govern the work for all structural features, unless noted otherwise. The architectural drawings shall govern the work for all dimensions.
- Structural drawings are intended to be used with architectural, mechanical, and electrical drawings. See these drawings for exact location of all depressions, slopes, openings, penetrations, etc. Penetrations not shown on the structural drawings shall be brought to the attention of the structural engineer. Contractor is responsible for coordinating such requirements into their shop drawings and work.
- No change in size or dimension of structural members shall be made without the written approval of the professional of record.
- Weights of mechanical equipment shown on the structural plans are for units specified by the Mechanical Engineer. Contractor shall verify weights and any substitutions that result in increased weight shall be approved by the Structural Engineer of Record.
- Omissions & Conflicts - Omissions or conflicts between various elements of the construction documents should be brought to the attention of the design team.
- Work not indicated on a part of the drawings but reasonably implied to be similar to that shown at corresponding places shall be repeated.
- In case of conflict between the General Notes and Specifications and details, the most stringent requirements shall govern.
- Existing Conditions - The Contractor shall verify the existing conditions and dimensions in the field prior to fabrication/erection. The Contractor shall report any discrepancies between the drawings and the actual existing conditions and dimensions to the Engineer.
 - If the existing field conditions do not permit the installation of the work in accordance with the details shown, the Contractor shall notify the Architect/Engineer immediately and provide a sketch of the condition with his proposed modification of the details given on the Contract Documents. Do not commence work until condition is resolved and modification is approved by the Architect.
 - Verify the location of all existing utilities before commencing any work. Any interference shall be brought to the attention of the Structural Engineer.
 - Where alterations involve the existing supporting structure, the Contractor shall provide shoring and protection required to ensure the structural integrity of the existing structure.
 - With the exception of defects discovered by us or pointed out to us by others to date, our design and the work shown here assumes that the existing structural elements are sound and capable of supporting loads to their full, theoretical, code-allowed capacities. EOR is not responsible for any additional costs, damages, or injuries resulting from discovery or failure of any element that is found to be damaged, deteriorated, or otherwise structurally impaired.
- If any items herein are not understandable or clear as to intent, the contractor must notify the Engineer of Record for clarification and/or supplemental information prior to actual installation.
- The contractor shall inform the professional of record in writing of any deviation from the contract documents. The contractor shall not be relieved of the responsibility of such deviation by the professional of record review of shop drawings, product data, etc., unless the contractor has specifically informed the professional of record of such deviation at the time of submission, and the professional of record has given written approval to the specific deviation.
- All columns shall be centered on grid lines unless noted otherwise.

II. DESIGN BASIS

- Applicable Codes and Standards
 - International Building Code 2021
- Design Live Loads
 - Roof - 20 psf
 - Office Areas - 50 psf
 - Assembly Areas - 100 psf
- Wind Load based on ASCE 7-16 Minimum Design Loads for Buildings and Other Structures
 - Basic Wind Velocity 144 mph
 - Risk Category III
 - Exposure B
 - Design Method
 - MWFRS - Chapter 27, Directional Procedure
 - C&C - Chapter 30 Part 1, Envelope Procedure
 - Mean Roof Height = 37 ft
 - Roof Slope = 2°
 - Enclosure Classification = Enclosed
- Service Components and Cladding Pressures per Code

0.6 Factor is already included in reported pressure

Effective Wind Area = 10 sf (+) (-)

	(+)	(-)	(-)
a. <u>Roof</u>			<u>Overhang</u>
Zone 1	14.7 psf	-22.7 psf	
Zone 2	14.7 psf	-33.2 psf	-42.2 psf
Zone 3	14.7 psf	-44.4 psf	-66.9 psf
b. <u>Wall</u>			
Zone 4	26.6 psf	-28.7 psf	
Zone 5	25.5 psf	-35.5 psf	

- See Figure 1 for C&C Zone Designations
- Distance "a" = 9 ft
- *Engineer of Record can furnish C&C load for larger effective wind areas upon request*

- Deflection Limitations
 - Floor Members
 - Live L/360
 - Dead + Live L/240
 - Roof Member
 - Roof Live L/240
 - D + Roof Live L/180

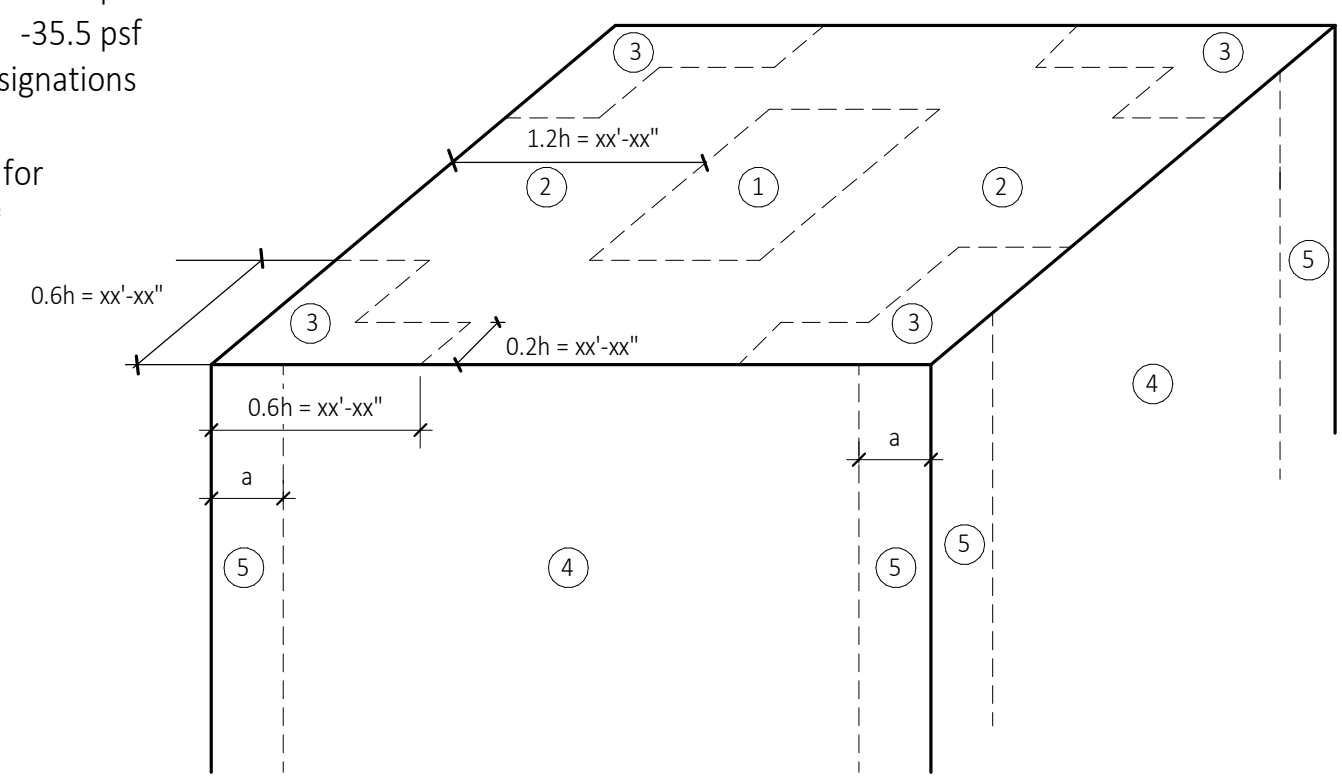


Figure 1. C&C Zone Designations

III. MATERIALS

A. CONCRETE

- Concrete shall be designed and detailed in accordance with the Building Code Requirements for Structural Concrete (ACI 318 latest edition), and constructed in accordance with the CRSI Manual of Standard Practice and ACI 301.
- All concrete shall be normal weight and have a minimum 28-day compressive strength of 4,000 psi unless noted otherwise on the drawings.
- Submit to Architect/Engineer reinforcing steel shop drawings for approval and mix designs for review prior to placing any concrete.
- Unless noted otherwise, bar laps shall be Class B tension laps and shall be lapped with minimum lengths as listed in the schedule, where splices are required in reinforcing.
- Corner bars shall be provided for all horizontal reinforcing bars at the intersections and corners of all strip footings, beams, and walls unless noted otherwise. Corner bars shall be of the same size and grade as the horizontal reinforcing they connect. See Typical Details for more information.
- Typical minimum concrete protective covering for reinforcement shall be 1-1/2"; minimum cover shall be 2" on surfaces in contact with the earth and 3" at earth-formed surfaces.
- All welded wire fabric shall conform to ASTM A-185 and shall be lapped a minimum of (2) wire spaces.
- Provide minimum mil vapor barrier per Specifications below all concrete at grade level. Vapor barrier shall be continuous with 12" lap to accommodate pouring direction. Barrier shall only be cut at pile locations.
- Bonding agent shall be used where new concrete is placed against existing concrete.
- Chamfer all exposed concrete corners unless noted otherwise on Architectural Drawings.
- Where existing concrete at the first floor level is removed to install new utilities, etc., the contractor shall notify the structural engineer of the location and extent of any such removal prior to performing the work. Where possible, existing reinforcement shall not be cut, bent, or damaged. Whenever reinforcement is cut, damaged or bent, it shall be brought to the attention of the structural engineer and repaired or replaced as directed.
- EOR may perform periodic, visual inspection of the concrete reinforcement placement prior to pouring.
- Visual inspection by the EOR does not guarantee the Contractor's work or alleviate the Contractor from final responsibility to place reinforcement and concrete in accordance with the Contract Drawings and Specifications.
- As part of the submittal process, the Electrical and Mechanical Contractor(s) shall submit a proposed routing plan for all pipes, conduits, or other devices to be embedded in the concrete. The submittal shall show specific sizes and locations of all proposed embed items referencing proximity to beam, column, and slab edges.
- See Specifications for additional information.

B. PILE FOUNDATIONS

- New Piling shall be helical screw piles to be designed by a qualified manufacturer. Minimum length shall be 60 ft to match existing foundation embedment depth.
- Provided loads are service loads.
- Pile supplier shall provide shop drawings for review.
- Pile supplier shall provide report of installed capacity within 1 day of driving.
- See Specifications for additional information.

C. STRUCTURAL STEEL FRAMING

- Fabrication and erection of structural steel shall conform to "The Manual of Steel Construction", Fourteenth Edition, American Institute of Steel Construction (AISC) including Specifications for Structural Steel Buildings, Specification for Structural Joints Using ASTM A325 or A490 Bolts, and AISC Code of Standard Practice.
- All welding shall be performed by certified welders and shall conform to "AWS D1.1/D1.1M Structural Welding Code – Steel", American Welding Society (AWS), latest edition.
- All high-strength bolts shall be manufactured, installed, and field tested in accordance with the "Specification for Structural Joints using High Strength Bolts", RSCS, latest edition.
- All steel in contact with weather or exterior masonry shall be galvanized unless noted otherwise. The includes steel angle, plates, and lintels along with their respective bolts and washers:
 - Structural shapes and rods ASTM A123
 - Bolts, fasteners and hardware ASTM A153
- All column base plates and anchor rods shall be hot-dipped galvanized per ASTM A123 and A153.
- Anchor rods shall conform to ASTM F1554, unless noted otherwise.
- Anchor bolts shall be headed with a nut and washer at the lower end.
- Steel members shown on plan shall be equally spaced unless noted otherwise.
- Moment connection requirements shown on plans are reported as service loads.
- Unless noted otherwise, all cap and base plates shall be welded to the columns continuously all around with a 1/4" fillet weld.
- All exterior framing (beams & columns) shall be painted per Architectural specification.
- All floor decks over steel framing shall be attached to steel supports, including the edge support parallel to the deck span, with powder actuated fasteners equal to HILTI X-ENP19 at 12 inches o.c. interior (36/4 pattern) and 6" o.c. at edge of deck sheet. Fasten side laps with #10 self-tapping screws @ 32" o.c. maximum spacing.
- All roof decks over steel framing shall be attached to steel supports, including the edge support parallel to the deck span, with powder actuated fasteners equal to HILTI X-ENP19 at 12 inches o.c. interior (36/4 pattern) and 6" o.c. at edge of deck sheet. Fasten side laps with #10 self-tapping screws @ 36" o.c. maximum spacing.
- All powder actuated fasteners shall have a minimum shank diameter of 0.157" unless noted otherwise.
- See Specifications for additional information.

D. CONCRETE MASONRY

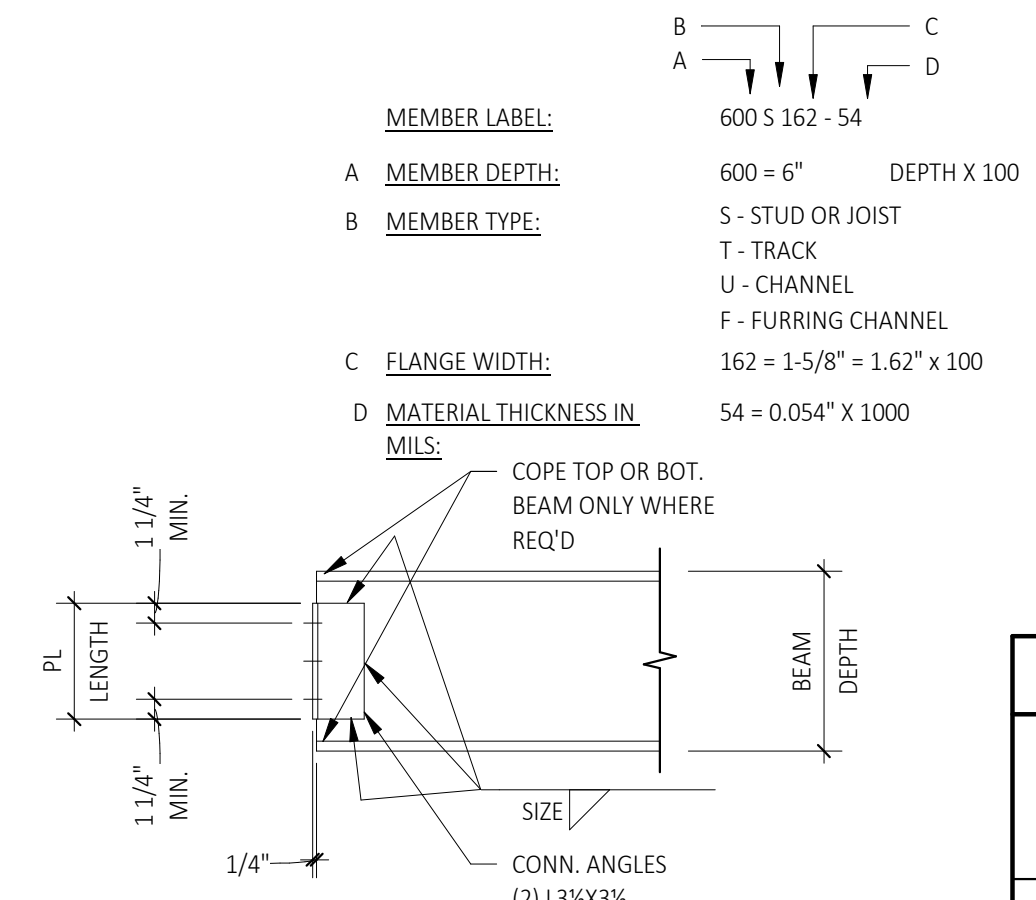
- Masonry has been designed in accordance with the Building Code Requirements for Masonry Structures (TMS 402-11/ACI 530-11/ASCE 5-11) and shall be constructed in accordance with the Specifications for Masonry Structures (TMS602-11/ACI 530.1-11/ASCE 6-11), commonly referred to as the MSJC Code, except where otherwise modified by these General Notes and Specifications.
- Minimum 28-day compressive strength of masonry, f'm, shall be 2,000 psi, unless noted otherwise.
- Lap splices for deformed reinforcing bars used in masonry construction shall be per provided lap splice schedule for concrete masonry reinforcement.
- Provide bond beams with a minimum of two (2) #5 continuous horizontal reinforcing bars in all masonry walls at each framing level.
- All cells containing vertical reinforcing steel, lintel beams and bond beams are to be solid grouted.
- See CMU lintel schedule located in the Typical Details for lintels.

E. ADHESIVE ANCHORS AND DOWELS

- Substitution of expansion or adhesive anchors for embedded anchors shall not be permitted unless specifically approved in writing by the Structural Engineer of Record prior to pouring the concrete containing the anchors.
- Unless noted otherwise, Hilti HIT-HY 270 epoxy system shall be used for an adhesive anchor in brick and concrete masonry.
- Unless noted otherwise, Hilti HIT-HY 200 V3 epoxy system shall be used for an adhesive anchors or dowels in concrete.
- Where base material is hollow block brick or other material containing pockets or voids, a screen tube, per manufacturer's recommendations, shall be employed in the system.
- The spacing, minimum embedment, and installation of the anchors shall be in accordance with the manufacturer's recommended procedures and in accordance with the plans.
- Anchor rods used in adhesive anchorage systems shall conform to ASTM F1554 steel.
- Use of diamond core bit with roughening tool for anchor holes requires approval from engineer of record prior to drilling. Unless otherwise shown in the drawings, all holes shall be drilled perpendicular to the concrete surface.
- Install anchors per the manufacturer's printed installation instructions, as included in the anchor packaging.
- Overhead adhesive anchors must be installed using the Hilti Profi piston plug system.
- For projects meeting IBC 2012 or later, ACI/CRSI adhesive anchor installer certification is required for all installers of adhesive anchors in horizontal or upwardly inclined orientation. The Hilti adhesive anchor installer certification program (HAAICP) is an approved equivalent.
- The contractor shall arrange an anchor manufacturer's representative to provide onsite installation training for all anchor products specified. The structural engineer of record must receive documented confirmation that all personnel who install anchors are trained prior to the commencement of anchor installation.
- Anchor capacity is dependent upon spacing between adjacent anchors and proximity of anchors to edge of concrete. install anchors in accordance with spacing and edge clearances indicated on the drawings.
- Existing reinforcing bars in the concrete structure may conflict with specific anchor locations. Unless noted on the drawings that the bars can be cut, the contractor shall review the existing structural drawings and shall undertake to locate the position of the reinforcing bars at the locations of the concrete anchors by Hilti PS 1000 or other gpr, x-ray, chipping or other approved means.

F. COLD FORMED FRAMING

- Light gage metal framing shall be designed and detailed according with the "Specification for the Design of Cold-Formed Steel Structural Members", American Iron and Steel Institute, latest edition.
- All stud and/or joist framing members shall be of the type, size, and gage as required by design. Size and gage shall not be less than shown on drawings.
- Temporary bracing shall be provided until erection is complete and all attached adjacent framing is complete.
- Unless noted otherwise, all cold-rolled elements shall be connected with #10 AISI-1022 steel screws having a minimum diameters out to out of threads = 0.190".
- All powder actuated fasteners shall have a minimum shank diameter of 0.157" unless noted otherwise.
- Joist and beam hangers, hurricane clips, and other ties, anchors, or connectors shall be galvanized and as manufactured by Simpson Strong-Tie Co., Inc. and shall be attached with fasteners of the size and type recommended by the manufacturer. All holes shall be filled. Roofing nails may not be used. All such units that will be exposed to weather, in contact with earth or water, or below the first floor level shall be stainless or meet G-185 rating.
- Wall stud bridging shall be attached in a manner to prevent stud rotation and shall be installed prior to loading. Bridging spacing shall be maximum 5'-0" OC unless noted otherwise.
- Framed wall openings shall include headers and supporting studs as shown on the plans and shop drawings. Reference Typical Cold-Formed Details.
- See Specifications for additional information.
- Standard cold-rolled number designations are as follows per AISA/SSMA:



GAGE	THICKNESS (MILS)
10 GA.	118
12 GA.	97
14 GA.	68
16 GA.	54
18 GA.	43
20 GA.	33

BEAM SIZE	3/4" A325N BOLTS		CONN. ANGLES 3/8" X 3/8"		WELD SIZE (E70XX)
	NO.	LENGTH	THICK.		
W6	2	3 1/2"	1/4"		3/16"
W8	2	3 1/2"	1/4"		3/16"
W10	4	5 1/2"	1/4"		3/16"
W12	4	5 1/2"	3/8"		3/16"
W14	6	8 1/2"	3/8"		3/16"
W16	6	8 1/2"	3/8"		3/16"
W18	8	11 1/2"	3/8"		5/16"
W21	10	14 1/2"	3/8"		5/16"
W24	12	17 1/2"	3/8"		5/16"
W27	14	20 1/2"	3/8"		5/16"
W30	16	23 1/2"	1/2"		3/8"
W33	18	26 1/2"	1/2"		3/8"
W36	20	29 1/2"	1/2"		3/8"

CONCRETE REINFORCING STEEL LAP SPLICES		
BAR SIZE	MIN LAP SPLICE LENGTH (IN.)	
	TOP BARS	OTHER BARS
3	15	12
4	24	18
5	35	27
6	40	32
7	48	37
8	60	46
9	74	57
10	88	68
11	104	80

NOTES:

- Table based on ACI 318-14
- f'c = 4000 psi min, fy = 60000 psi
- 3/4" min. concrete clear cover for #3 to #5 sizes; 1-1/2" min. concrete clear cover for #6 and larger. Top bars are considered to be horizontal bars with more than 12" depth of concrete cast below the reinforcement.
- Horizontal wall reinforcement is considered a top bar.

2 DOUBLE ANGLE CONNECTION SCHEDULE



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GENERAL NOTES

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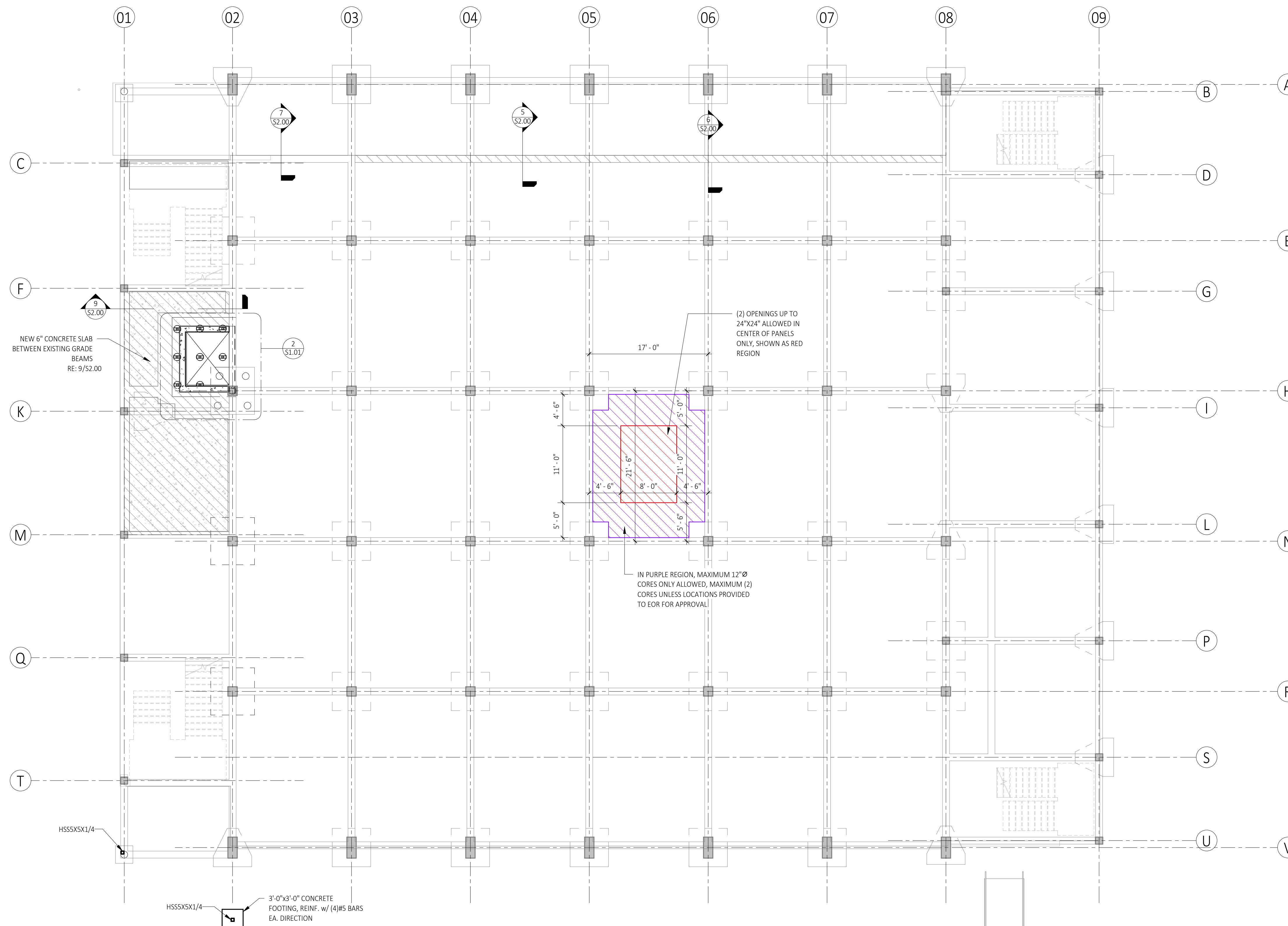
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halb@batture-eng.com

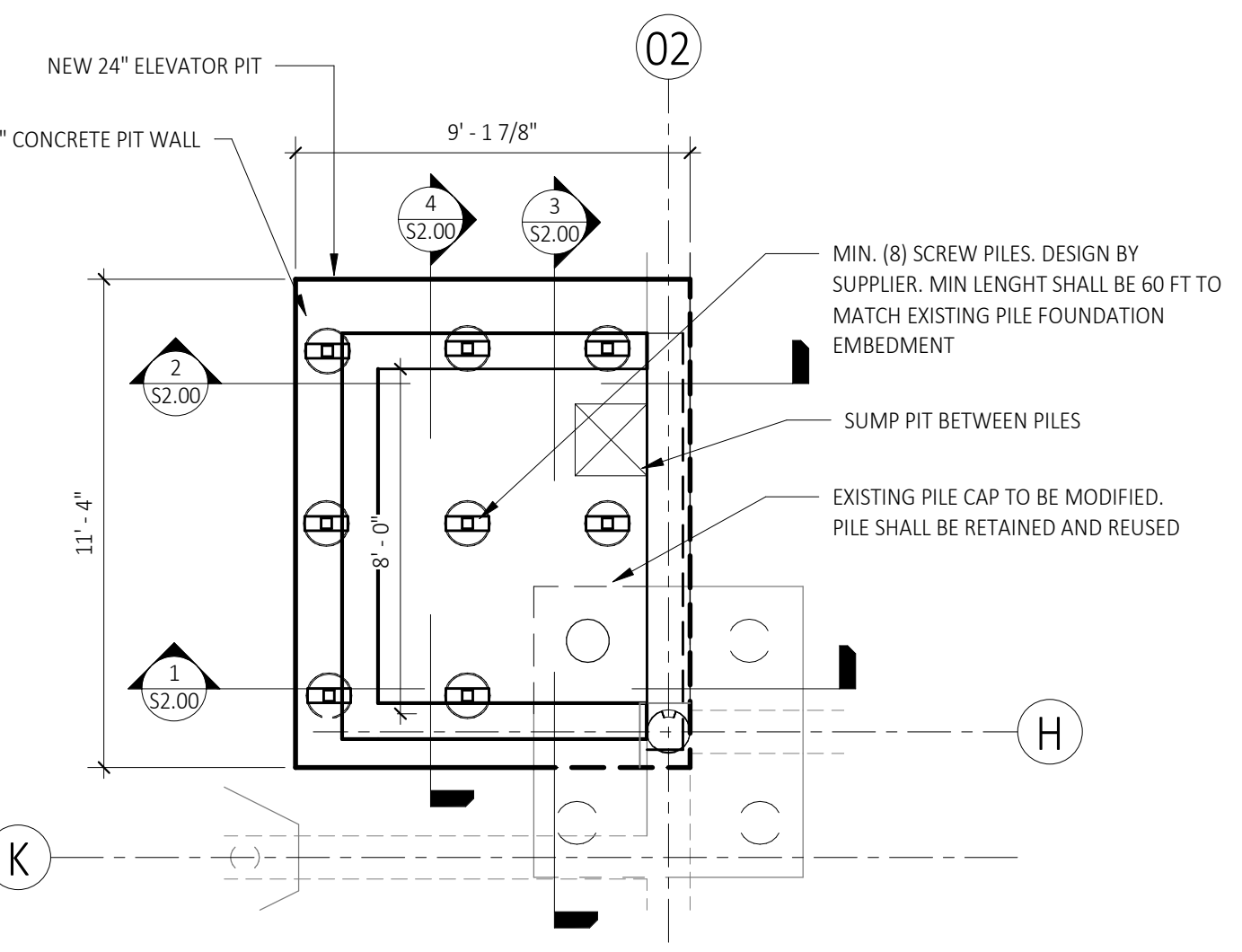


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PLAN NOTES:
1. EXISTING FIRST FLOOR SLAB IS A 6" THICK, TWO-WAY CONCRETE SLAB. NO TRENCHING IS ALLOWED. ALLOWABLE CORES AND OPENINGS ARE SHOWN ON THE PLAN FOR A TYPICAL PANEL.



1 1ST FLOOR FRAMING PLAN
S1.01 1/8" = 1'-0"



2 NEW ELEVATOR PIT PLAN
S1.01 | S1.01 1/4" = 1'-0"

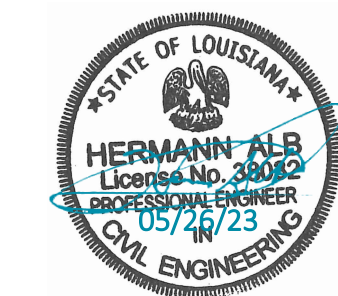
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1ST FLOOR
FRAMING PLAN

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NEW ORLEANS, LA 70119
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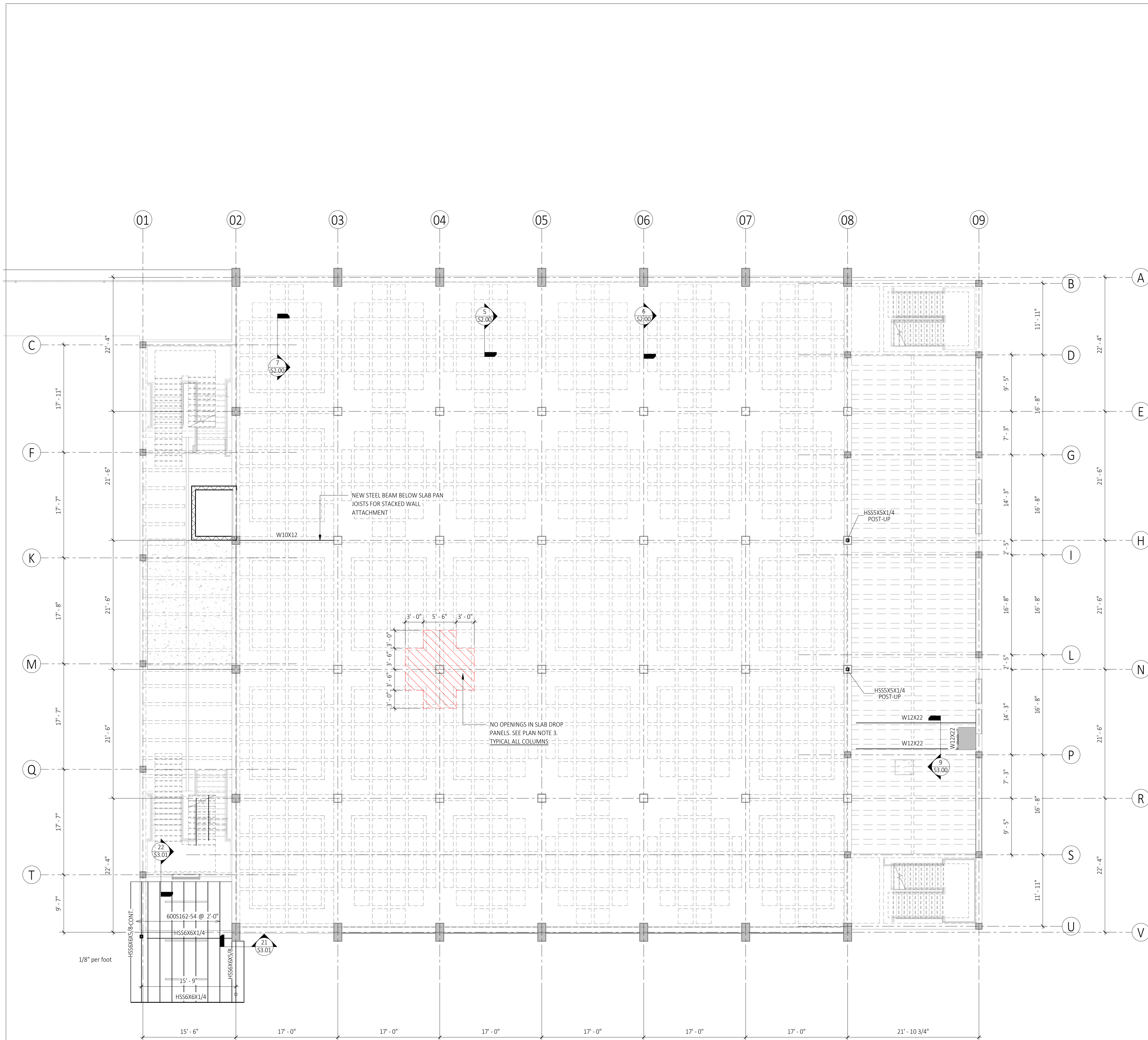
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- PLAN NOTES:
- ENGINEER OF RECORD HAS PERFORMED MULTIPLE WALKTHROUGHS OF THE STRUCTURE. AREAS OF REPAIR THAT WERE EXPOSED HAVE BEEN NOTED ON THE REPAIR PLANS.
 - OPENINGS UP TO 2'-6" ARE ALLOWED BETWEEN WAFFLE SLAB RIBS AT THE 2ND FLOOR FRAMING LEVEL (GYM FLOOR).
 - NO OPENINGS ARE ALLOWED WITH COLUMN DROP PANEL ZONE. SEE MINIMUM TYPICAL CLEARANCES SHOWN ON PLAN. TYPICAL ALL COLUMNS.



1 GYM FLOOR FRAMING PLAN
S1.02 1/8" = 1'-0"

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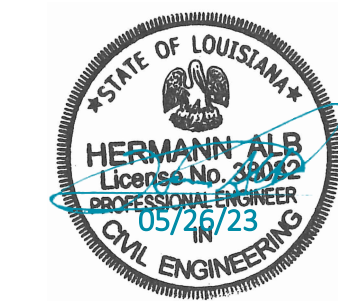
GYM FLOOR
FRAMING PLAN

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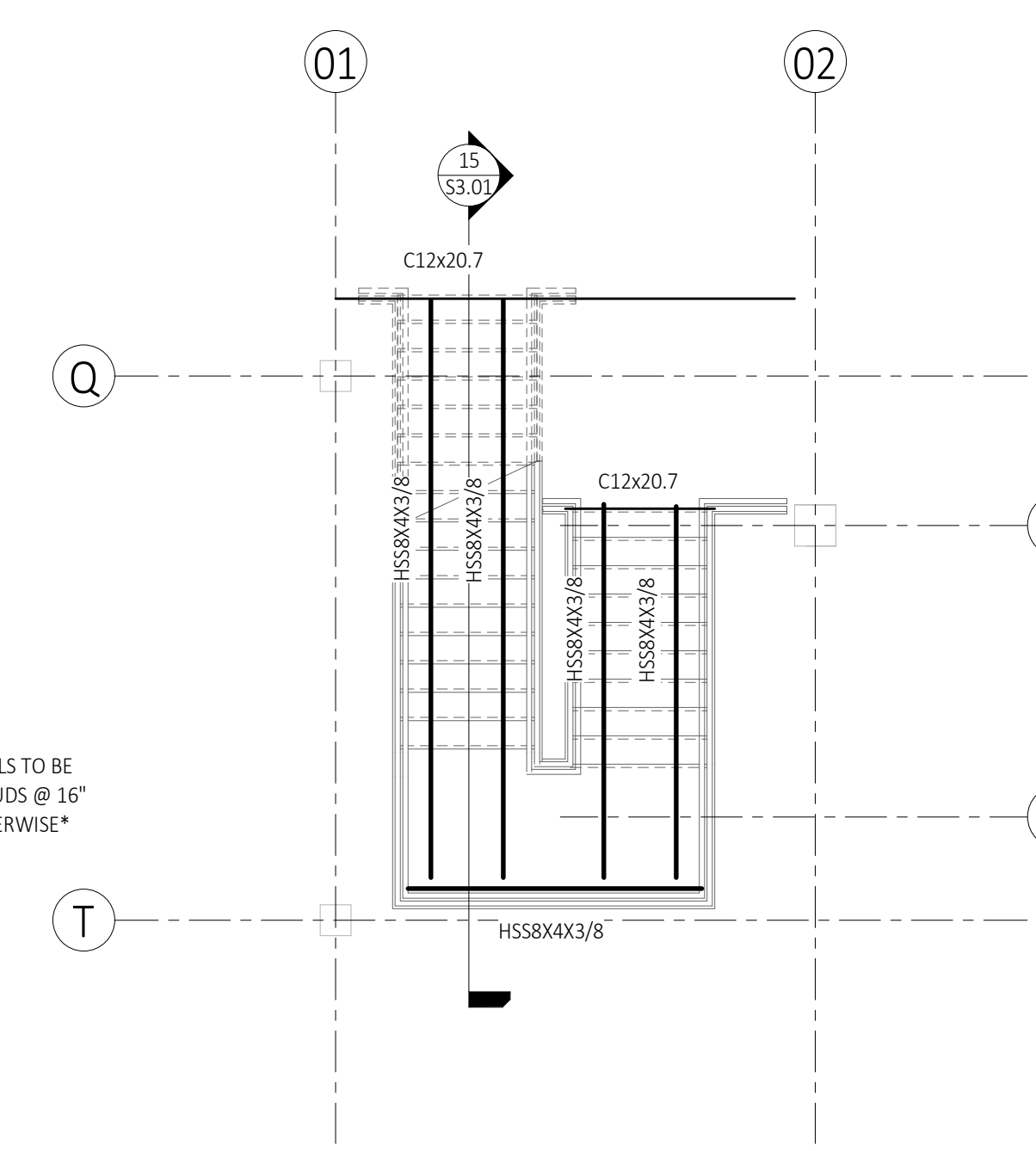
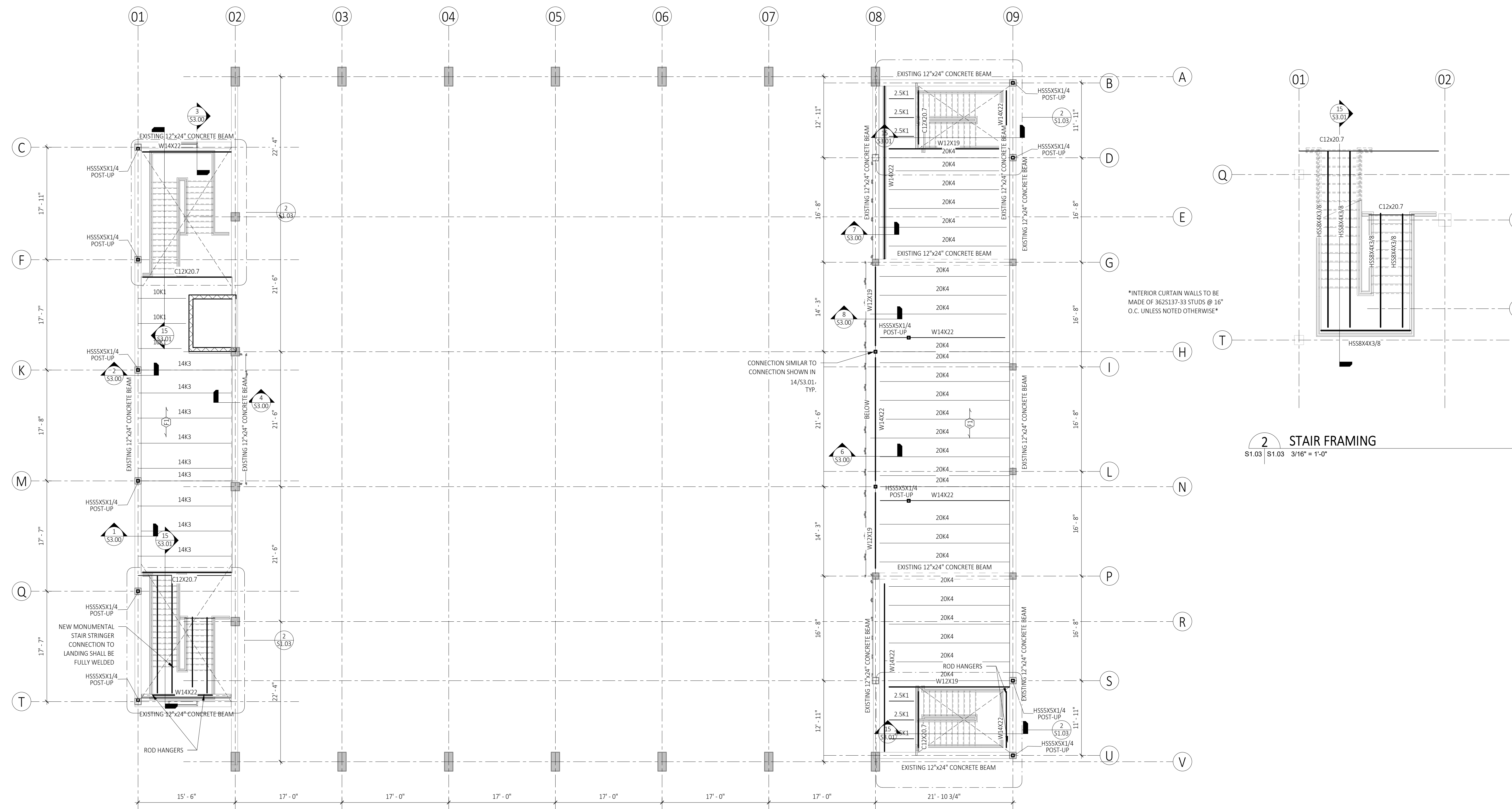
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MEZZANINE FRAMING PLAN

FRAMING PLAN NOTES:

1. (F) DENOTES SPAN OF 3" LIGHTWEIGHT CONCRETE OVER VULCRAFT 1.0C24 GA GALVANIZED STEEL FLOOR DECK. REINFORCE WITH 6x6-W4.0xW4.0 WWF. TOTAL SLAB DEPTH IS 4"
2. ALL FLOOR DECKS OVER STEEL FRAMING NOT DESIGNATED AS ECOSPAN SHALL BE ATTACHED TO STEEL SUPPORTS, INCLUDING THE EDGE SUPPORT PARALLEL TO THE DECK SPAN, WITH POWDER ACTUATED FASTENERS EQUAL TO HILTI X-HSN 24 FOR ATTACHMENT TO BAR JOIST AND HILTI X-EN19 FOR ATTACHMENT TO OTHER STEEL ELEMENTS AT 12 INCHES OC INTERIOR (3/4" PATTERN) AND 6 INCHES OC AT EDGE OF DECK SHEET. FASTEN SIDE LAPS WITH #10 SELF-TAPPING SCREWS AT 36INCHES OC MAXIMUM SPACING.

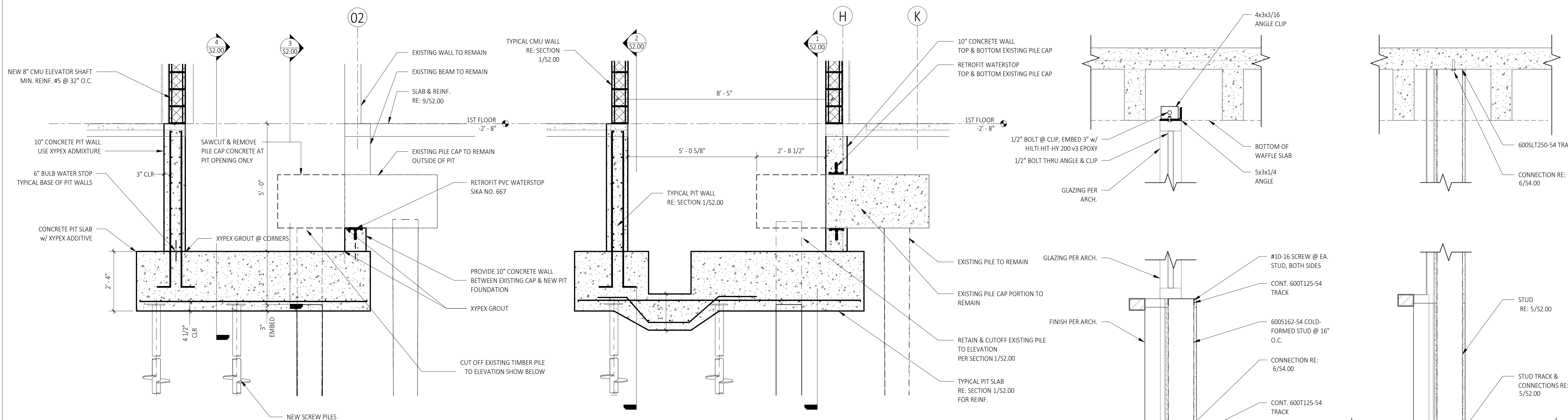


2 STAIR FRAMING
S1.03 | S1.03 3/16" = 1'-0"

1 MEZZANINE FRAMING PLAN
S1.03 1/8" = 1'-0"

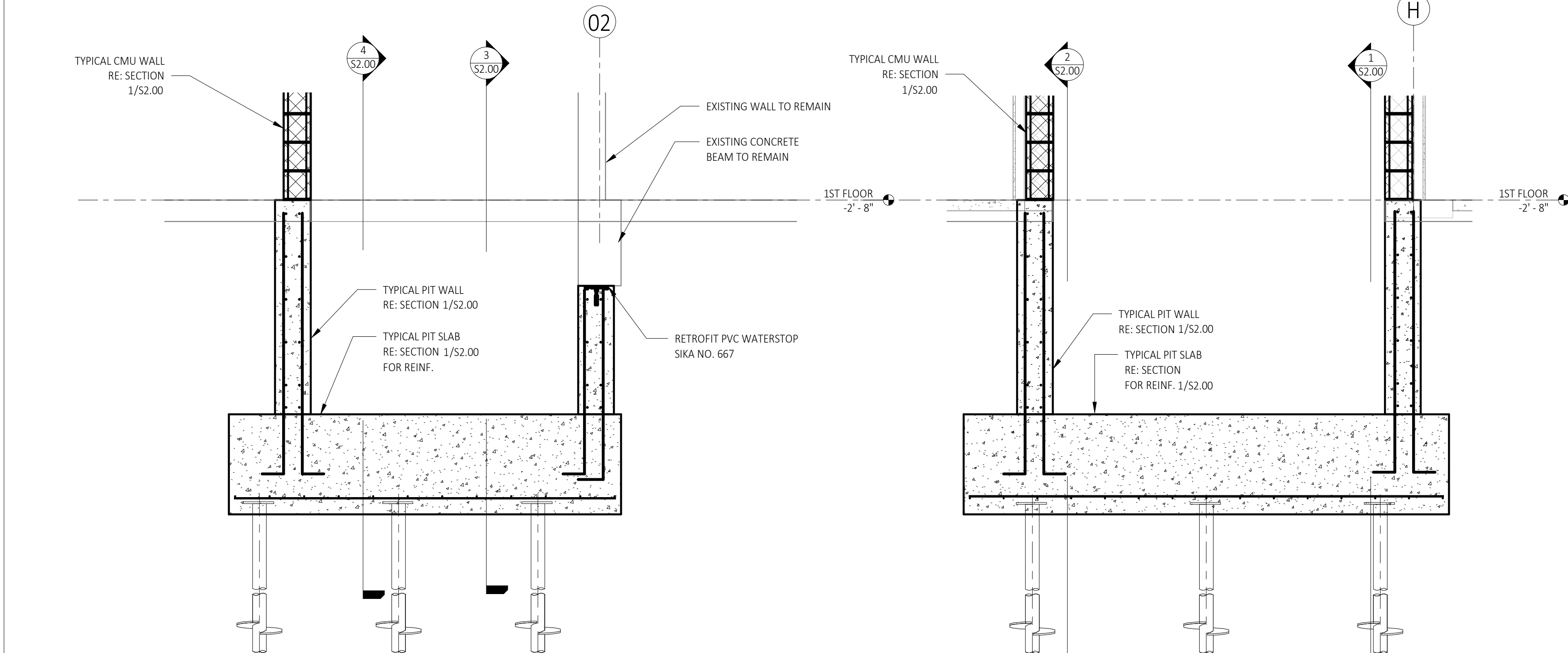


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1 SECTION
S1.01 | S2.00 | 1/2" = 1'-0"

3 SECTION
S1.01 | S2.00 | 1/2" = 1'-0"



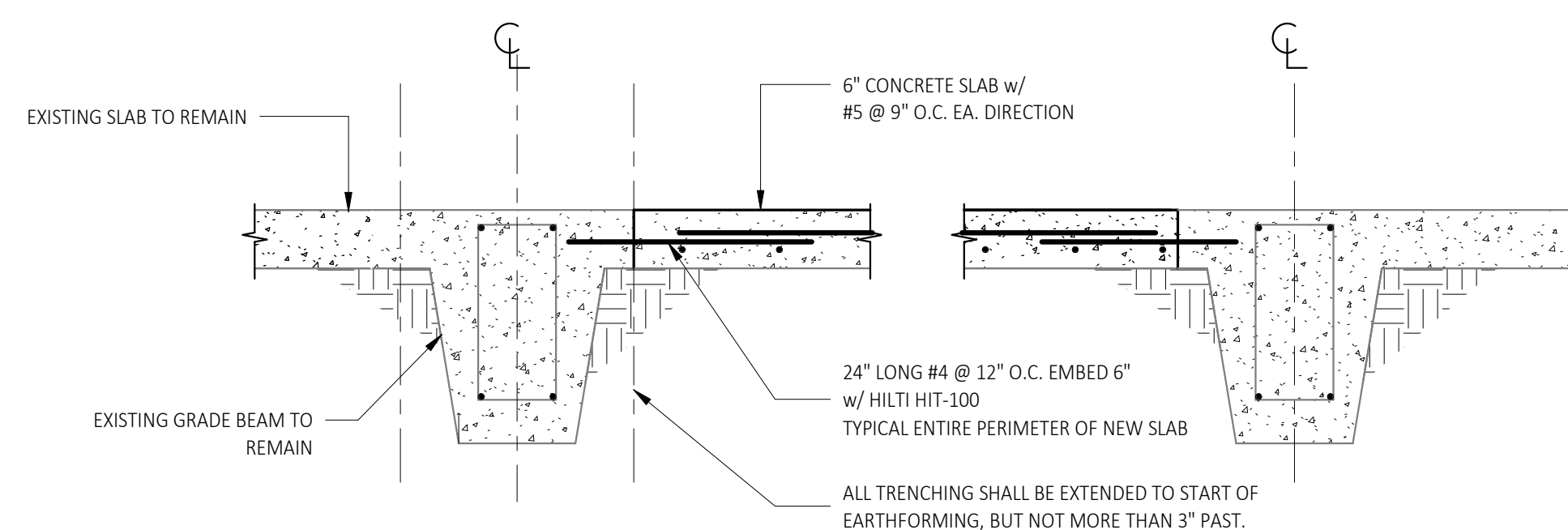
2 SECTION
S1.01 | S2.00 | 1/2" = 1'-0"

4 SECTION
S1.01 | S2.00 | 1/2" = 1'-0"

5 SECTION
S1.01 | S2.00 | 1" = 1'-0"

6 SECTION
S1.01 | S2.00 | 1" = 1'-0"

7 SECTION
S1.01 | S2.00 | 1/2" = 1'-0"



9 SLAB TRENCHING REPAIR
S1.01 | S2.00 | 3/4" = 1'-0"

- NOTES
1. NOTIFY EOR IMMEDIATELY OF ANY REINFORCEMENT IN THE FIELD. STOP TRENCHING IF ANY GRADE BEAM REINFORCEMENT, INCLUDING STIRRUPS, ARE ENCOUNTERED.
 2. ALL EDGES OF NEW CONCRETE SHALL BE DOWELED AS DESCRIBED ABOVE WHEREVER ADJACENT TO EXISTING CONCRETE, INCLUDING SIDES OF PANEL NOT SHOWN IN THIS DETAIL.

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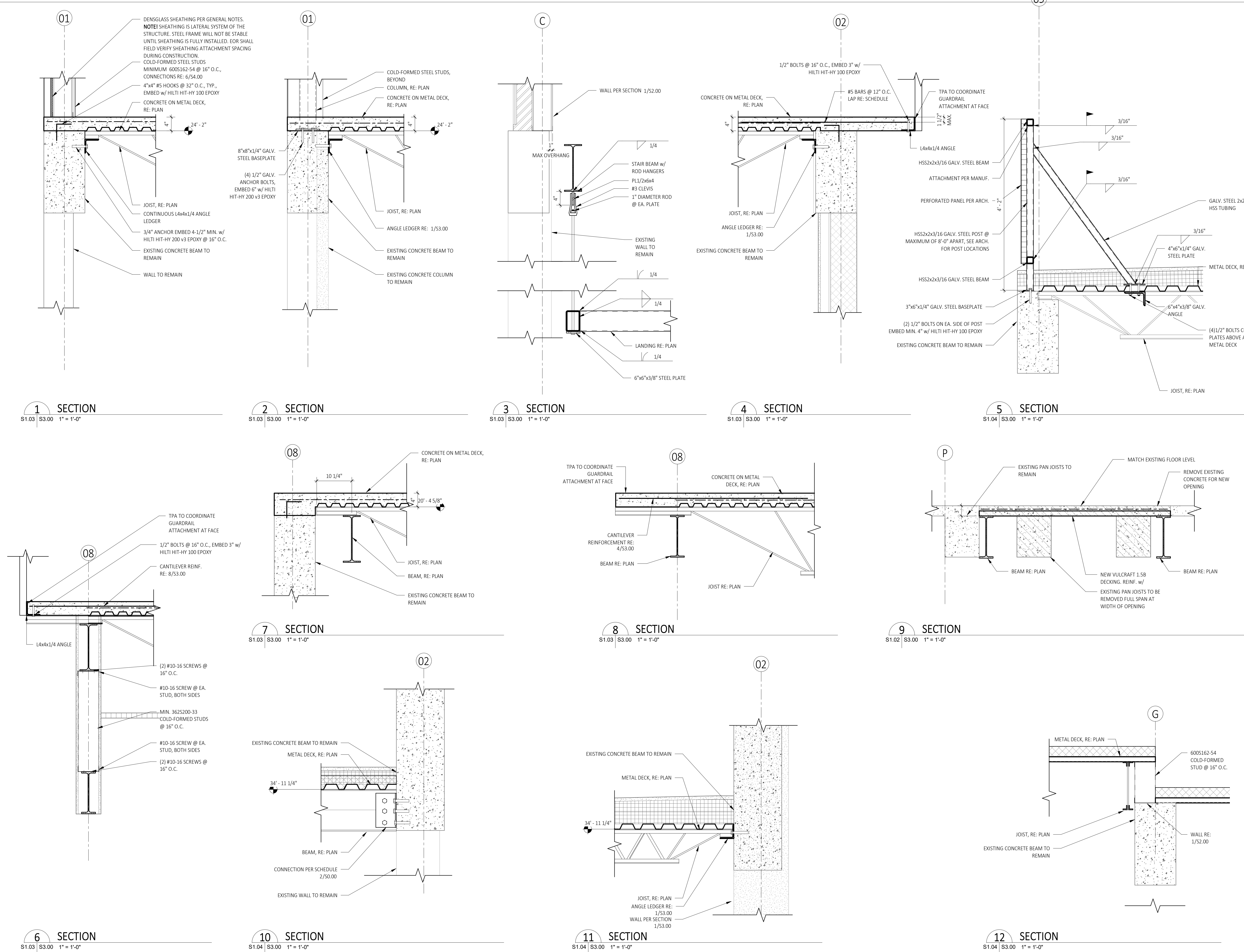


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SECTIONS & DETAILS

S3.00



1 SECTION
S1.03 | S3.00 1" = 1'-0"

2 SECTION
S1.03 | S3.00 1" = 1'-0"

3 SECTION
S1.03 | S3.00 1" = 1'-0"

4 SECTION
S1.03 | S3.00 1" = 1'-0"

5 SECTION
S1.04 | S3.00 1" = 1'-0"

6 SECTION
S1.03 | S3.00 1" = 1'-0"

7 SECTION
S1.03 | S3.00 1" = 1'-0"

8 SECTION
S1.03 | S3.00 1" = 1'-0"

9 SECTION
S1.02 | S3.00 1" = 1'-0"

6 SECTION
S1.03 | S3.00 1" = 1'-0"

10 SECTION
S1.04 | S3.00 1" = 1'-0"

11 SECTION
S1.04 | S3.00 1" = 1'-0"

12 SECTION
S1.04 | S3.00 1" = 1'-0"

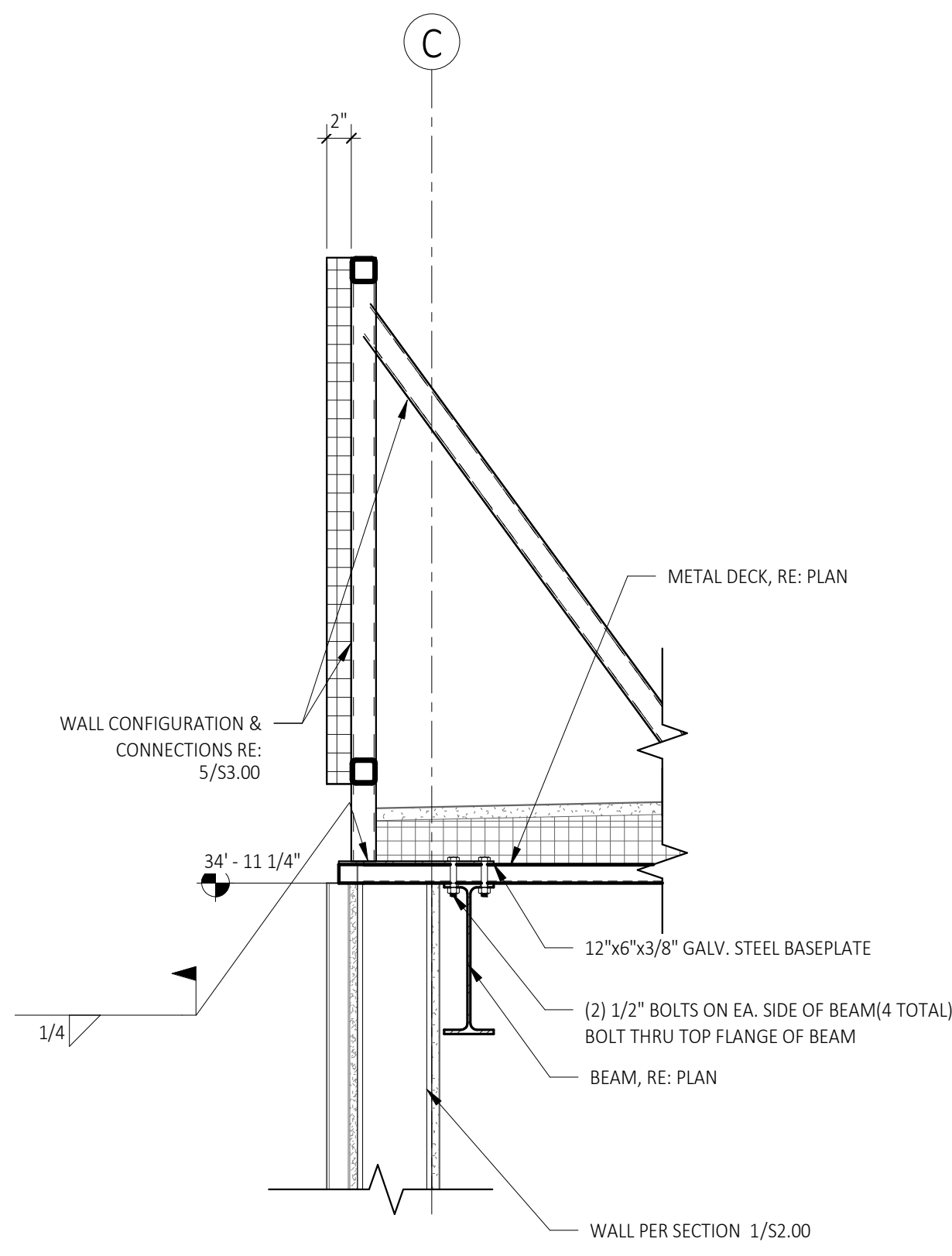
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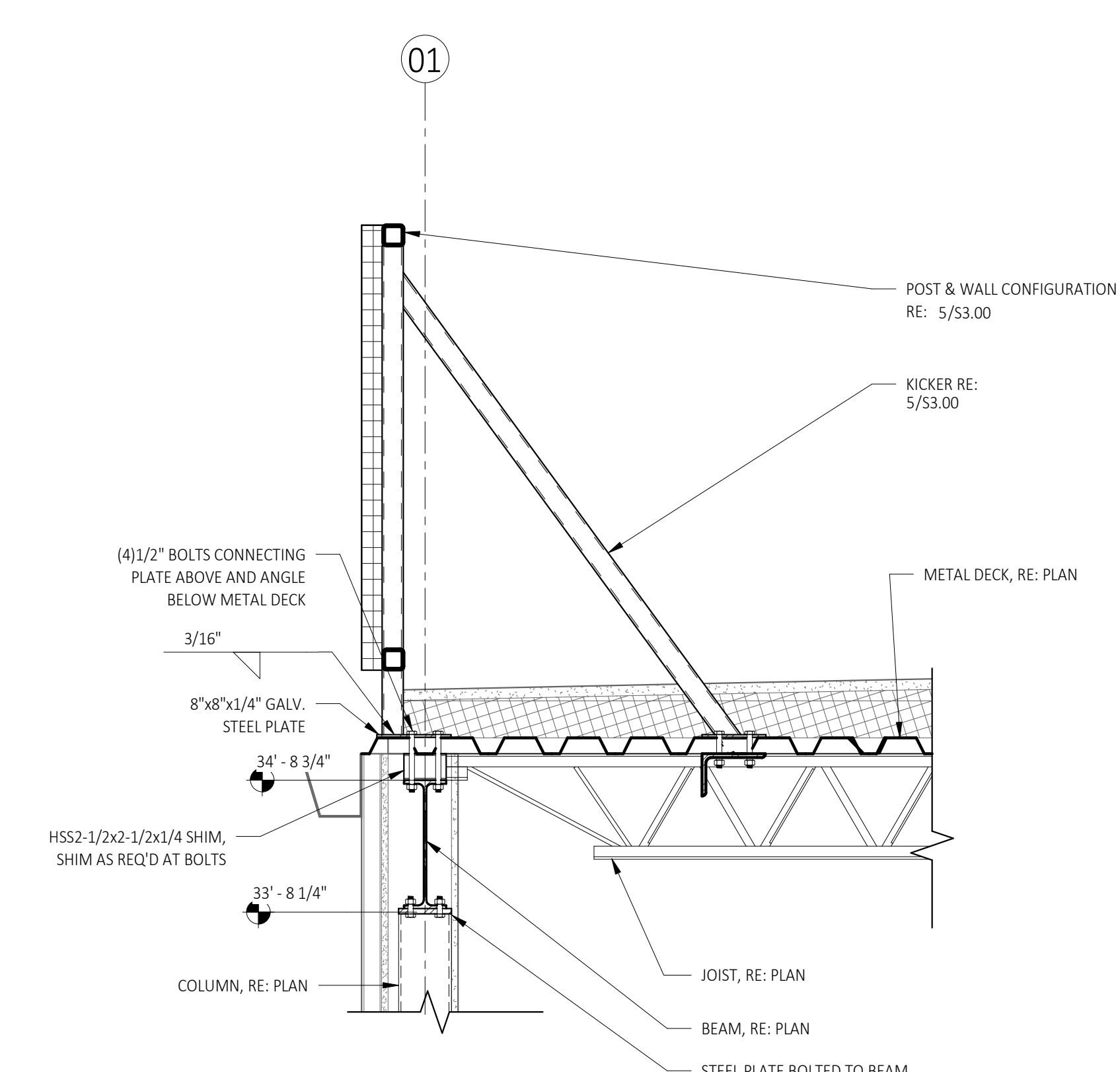
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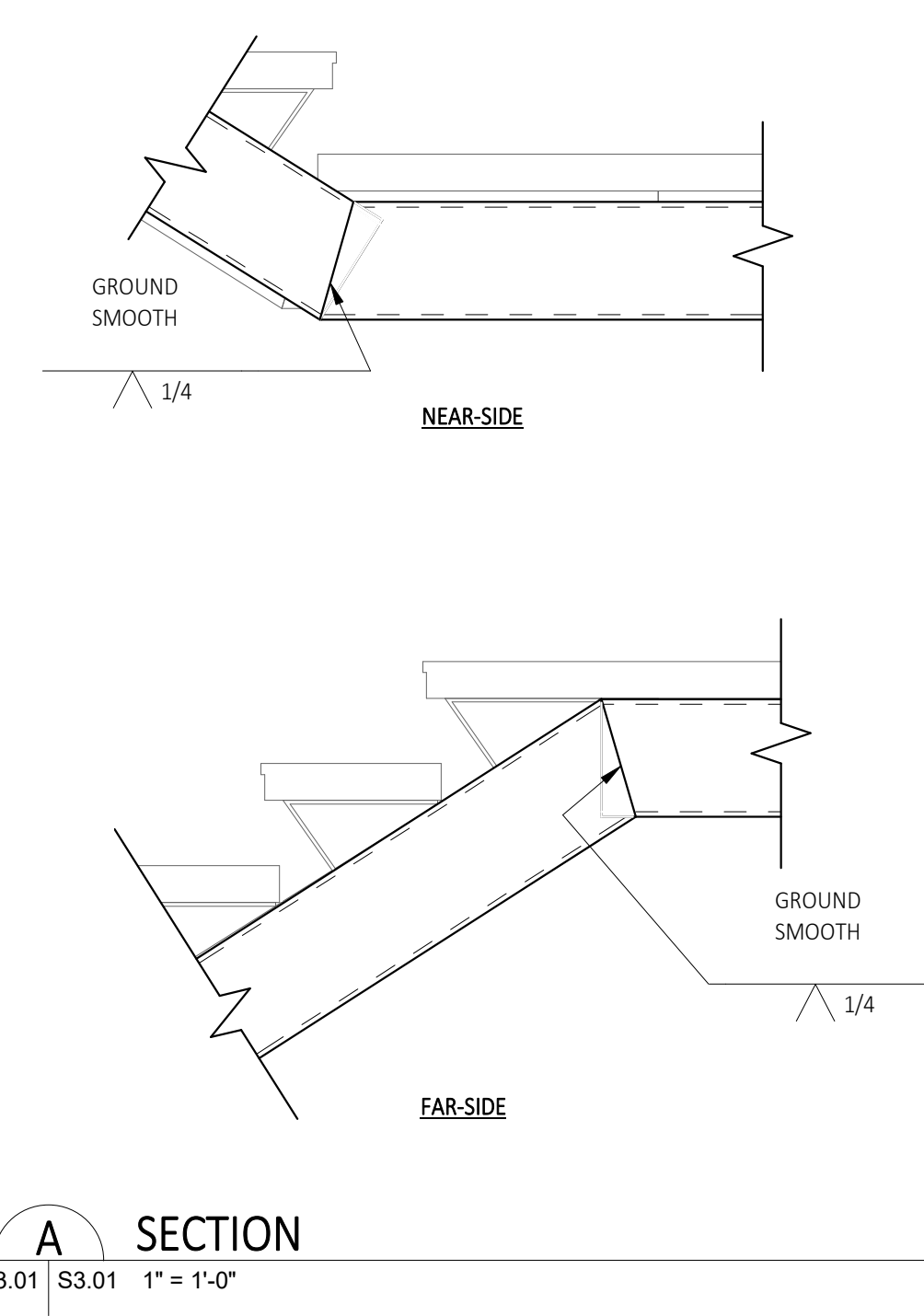
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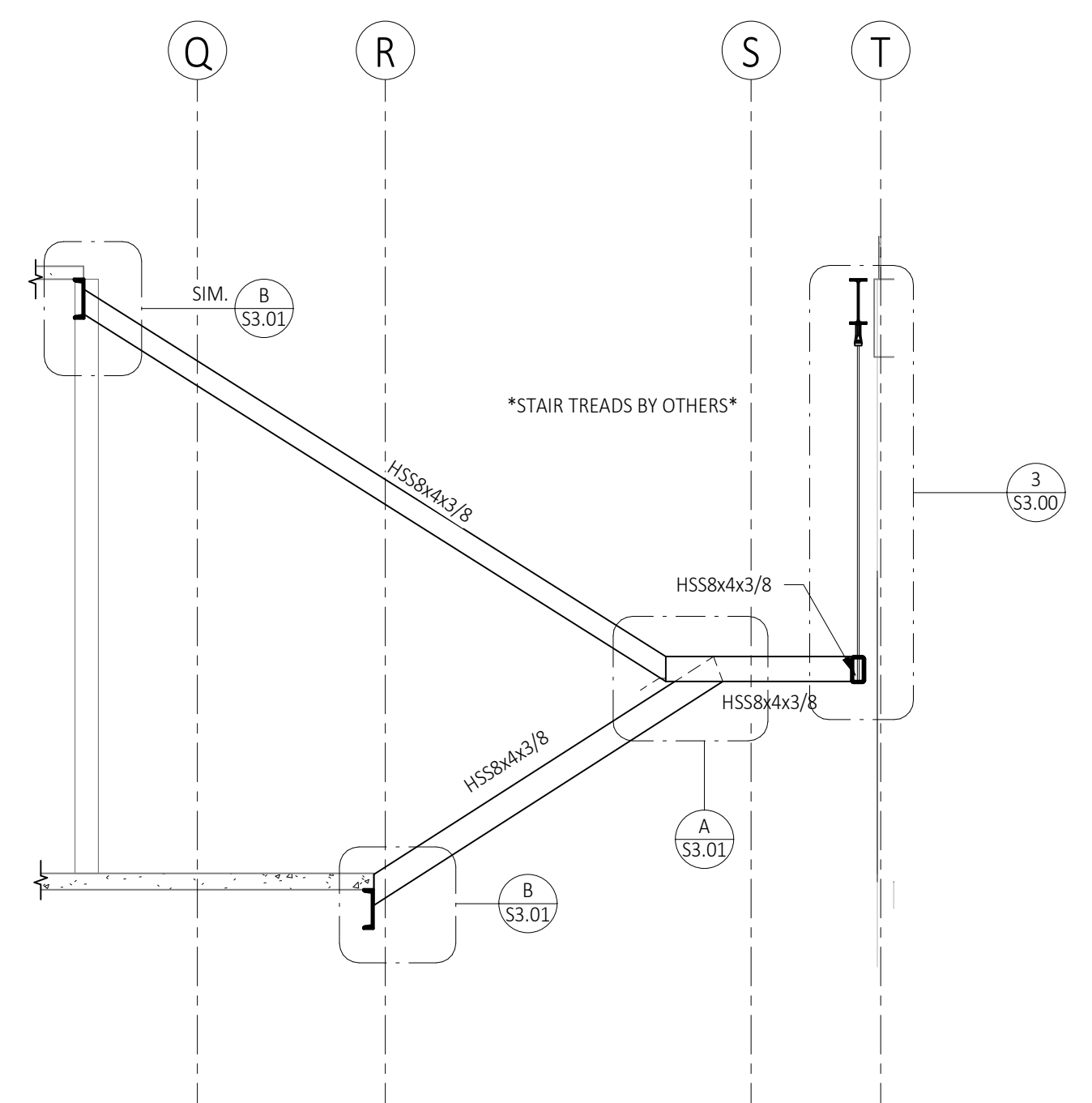
13 SECTION
S1.04 | S3.01 1" = 1'-0"



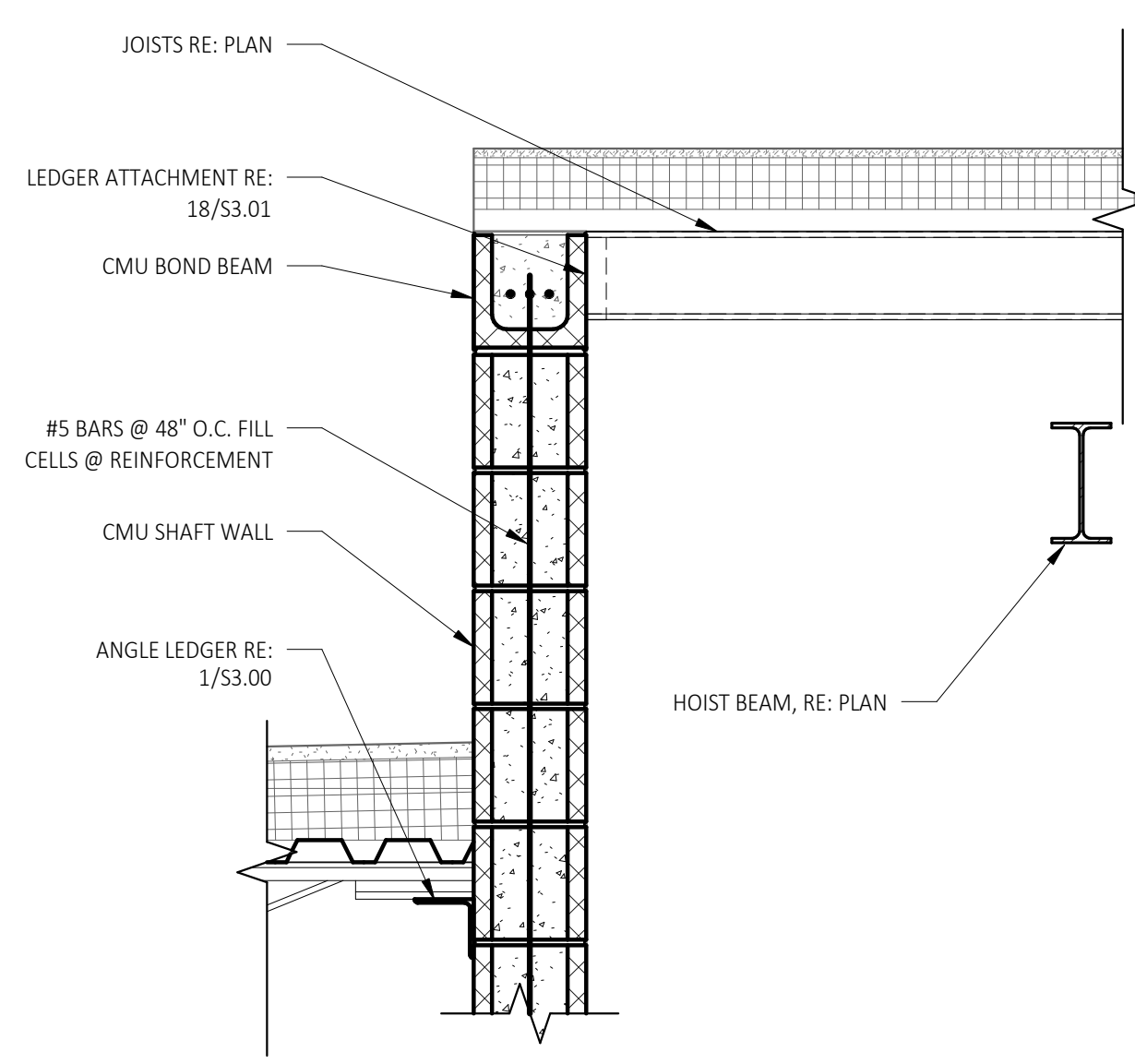
14 SECTION
S1.04 | S3.01 1" = 1'-0"



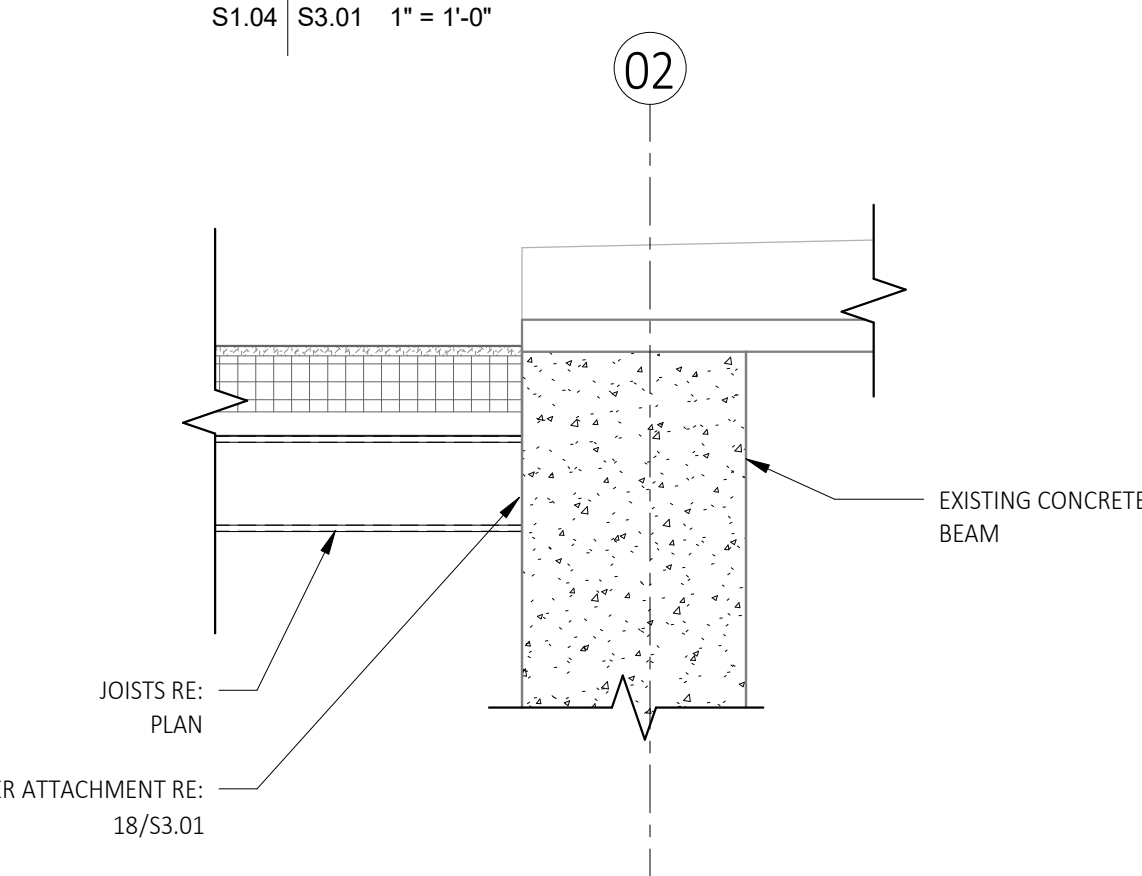
A SECTION
S3.01 | S3.01 1" = 1'-0"



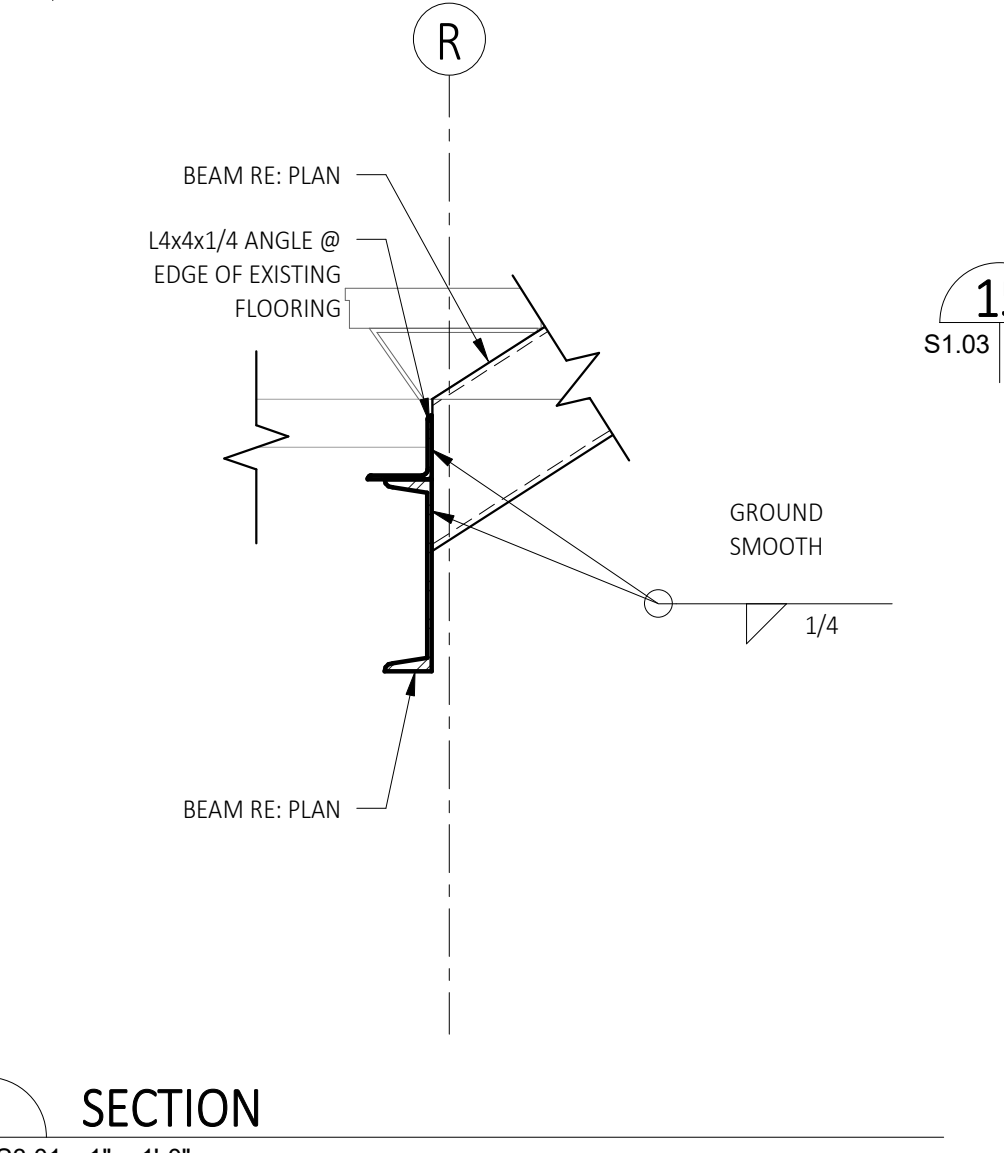
15 STAIR ELEVATION
S1.03 | S3.01 1/4" = 1'-0"



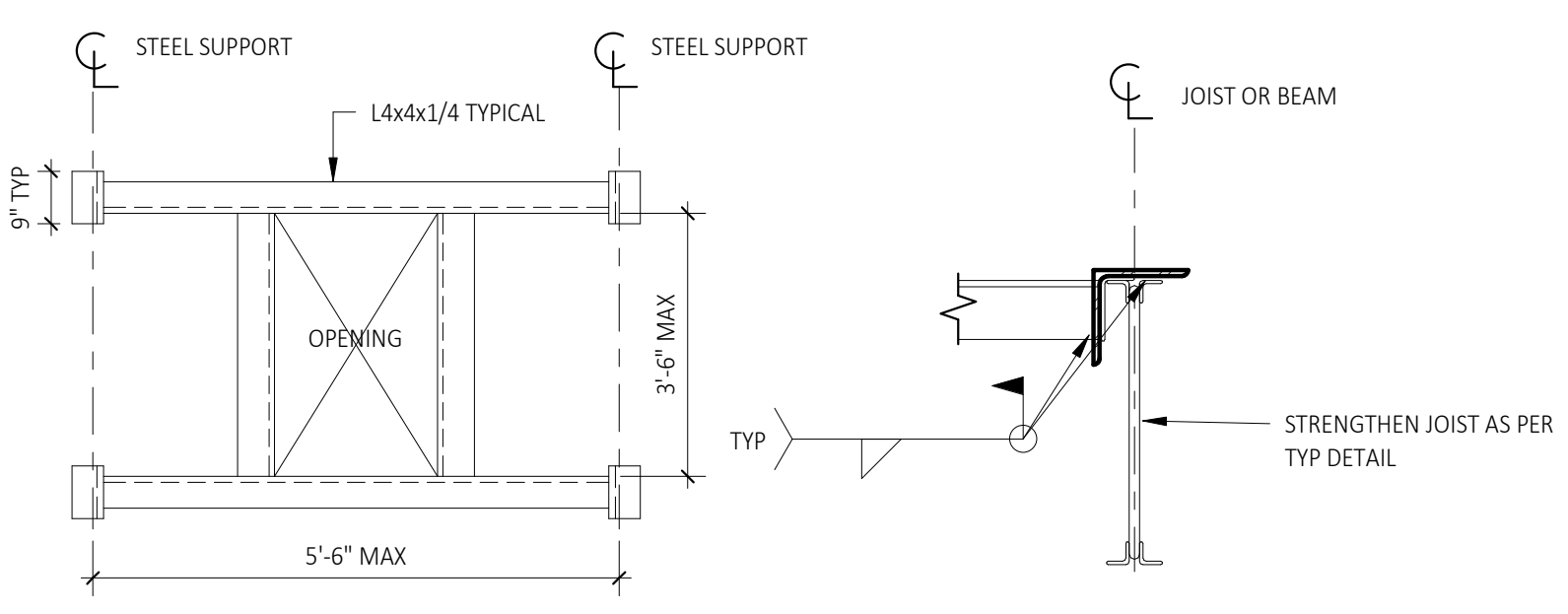
16 SECTION
S1.04 | S3.01 1" = 1'-0"



17 SECTION
S1.04 | S3.01 1" = 1'-0"

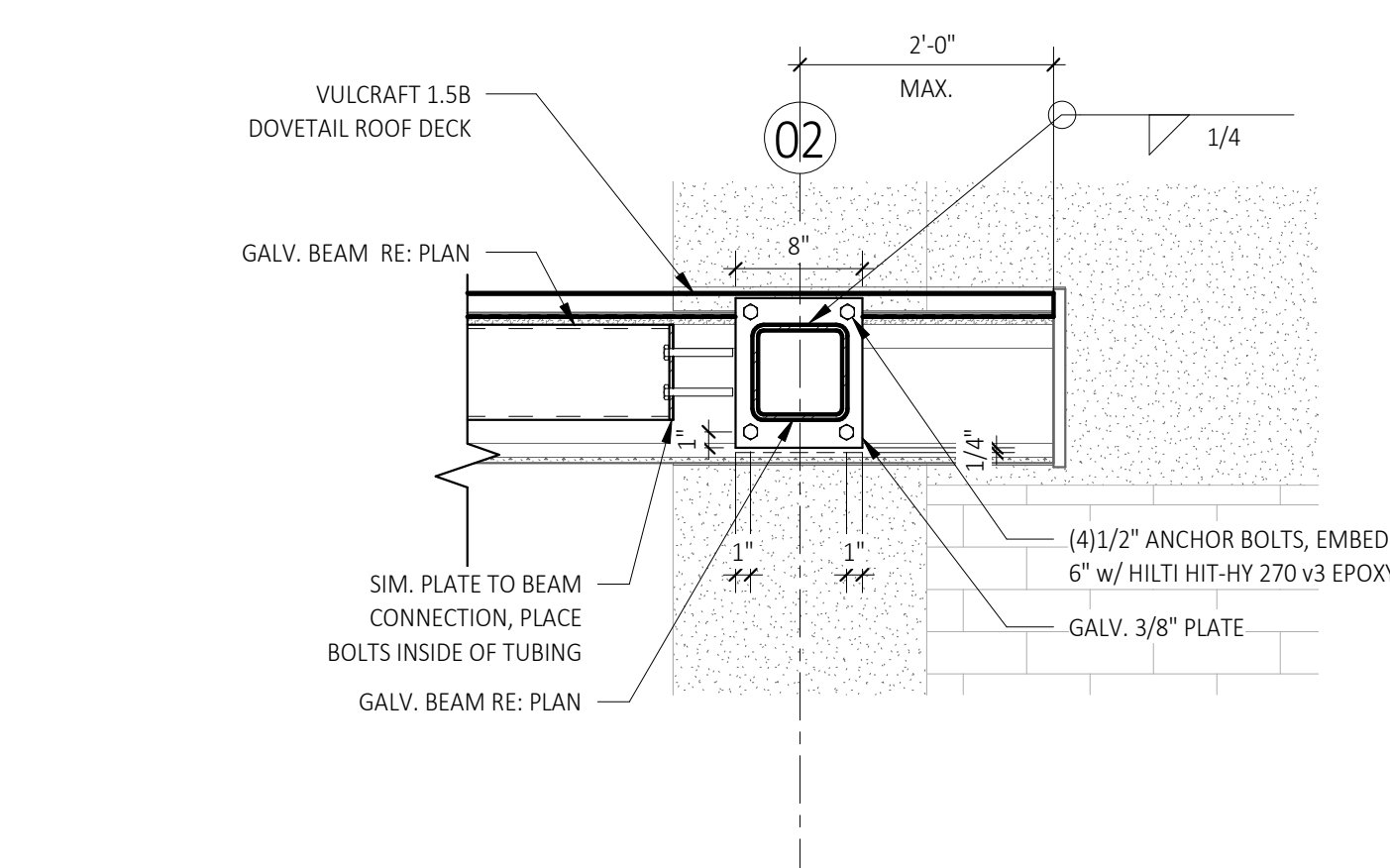


B SECTION
S3.01 | S3.01 1" = 1'-0"

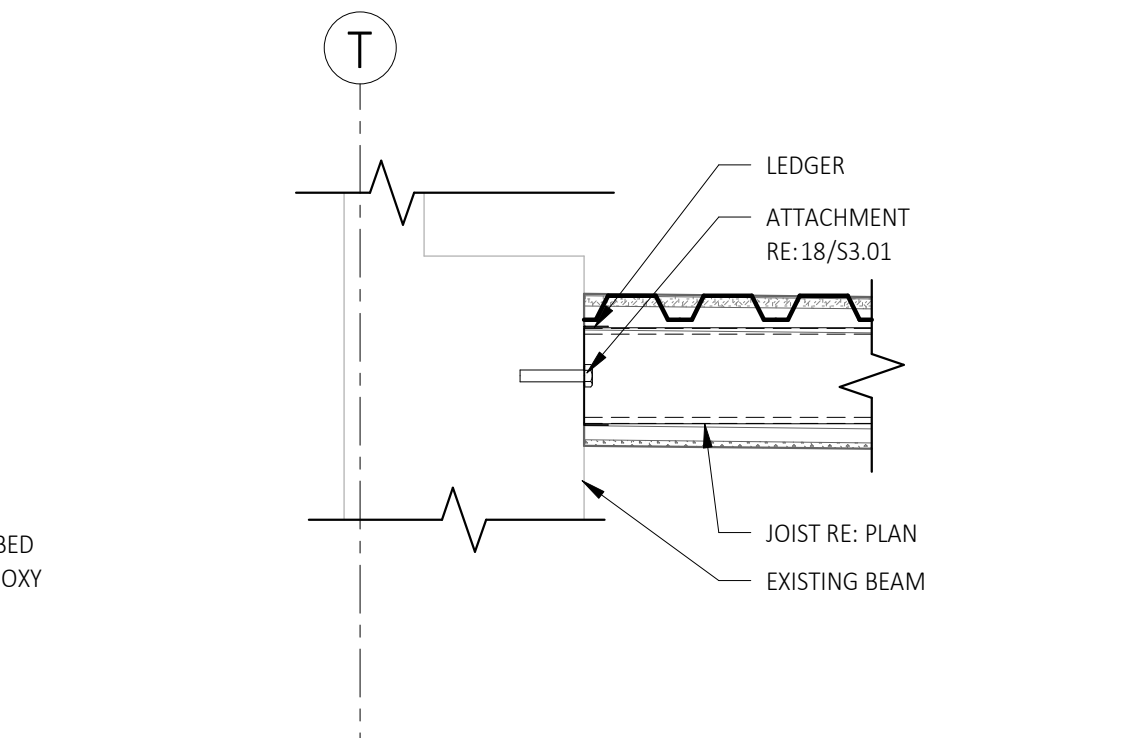


- NOTES:
- FOR SIZE AND LOCATION OF OPENINGS SEE ARCHITECTURAL AND MECH DWGS
 - STEEL CONTRACTOR SHALL VERIFY ALL OPENING AND EXACT LOCATIONS WITH THE TRADE CONTRACTOR REQUIRING OPENINGS
 - PROVIDE STEEL FRAMINGS AS SHOWN AROUND ALL OPENINGS LARGER THAN 8" AT THE ROOF
 - WHEN JOIST OR BEAM SPACING EXCEEDS 5'-6", VERIFY ALL ANGLE SIZES w/ ENGINEER
 - WHERE ROOF STEEL SLOPES, CURB HEIGHTS MUST VARY TO PROVIDE A LEVEL SURFACE
 - PROVIDE BRIDGING FOR ONE BAY ON BOTH SIDES OF OPENINGS WHEN BRIDGING IS INTERRUPTED
 - PROVIDE STEEL ANGLES ON ALL SIDES OF OPENINGS UNLESS BEAM IS SHOWN ON PLAN.

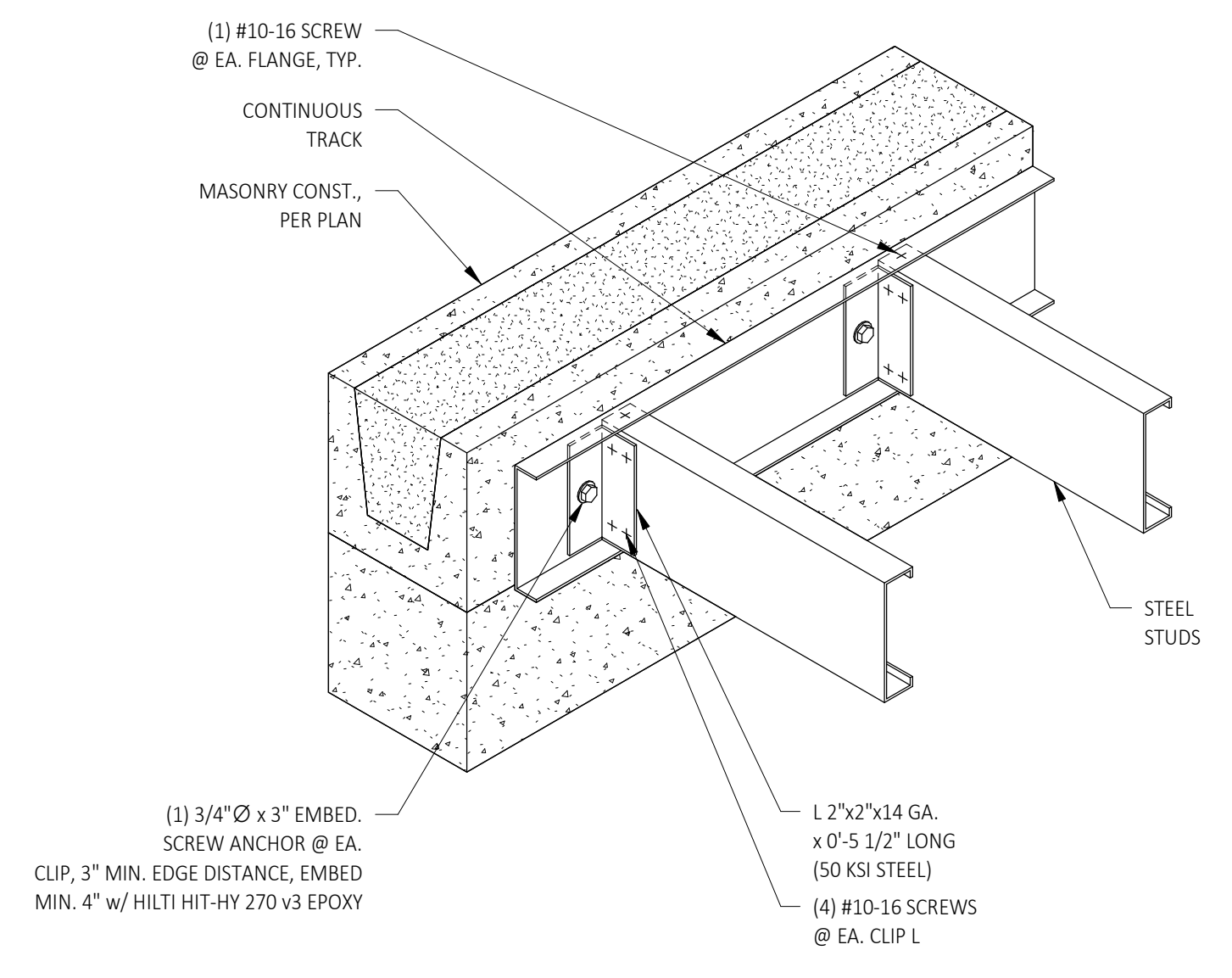
19 Framed Roof Opening
S3.01 1 1/2" = 1'-0"



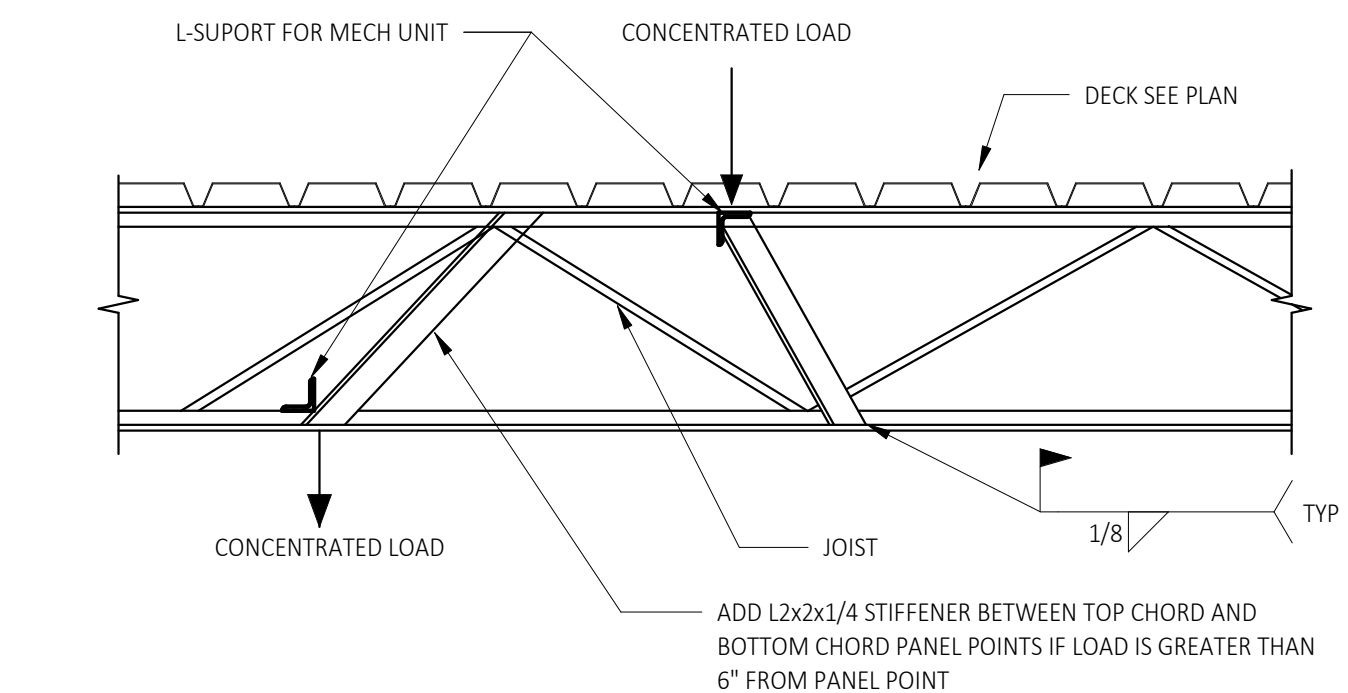
21 SECTION
S1.02 | S3.01 1" = 1'-0"



22 SECTION
S1.02 | S3.01 1" = 1'-0"



18 COLD-FORMED STEEL JOIST LEDGER DETAIL
S3.01 1" = 1'-0"



- NOTES:
- SUPPORTING LOAD AT CONDENSERS, MECH UNITS, AND ALL CONCENTRATED LOADS GREATER THAN 150 LBS AND NOT EXCEEDING 500 LBS

20 Joist Reinforcement at Concentrated Load
S3.01 1" = 1'-0"

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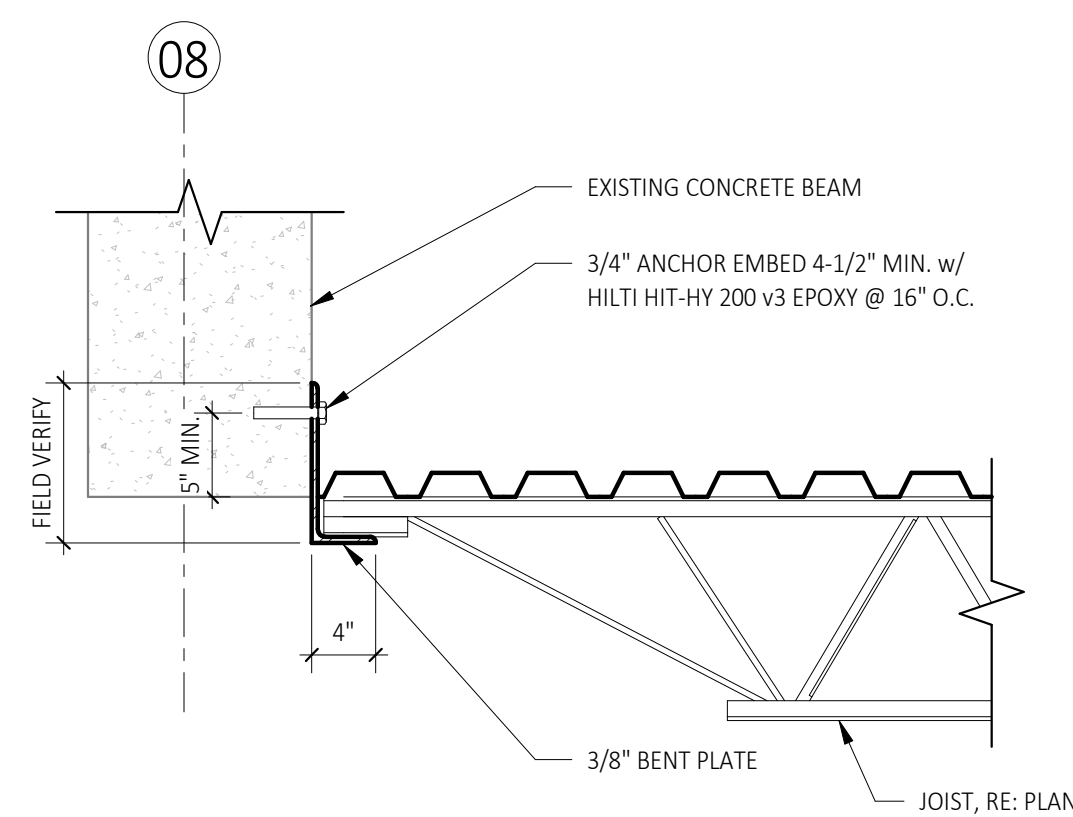
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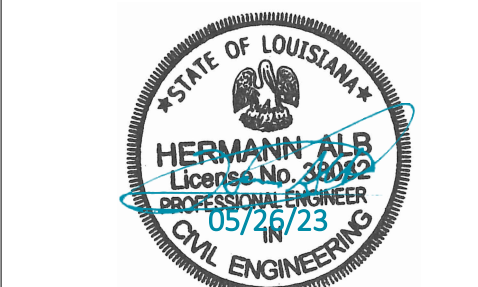


21 SECTION
S1.04 | S3.02 1" = 1'-0"

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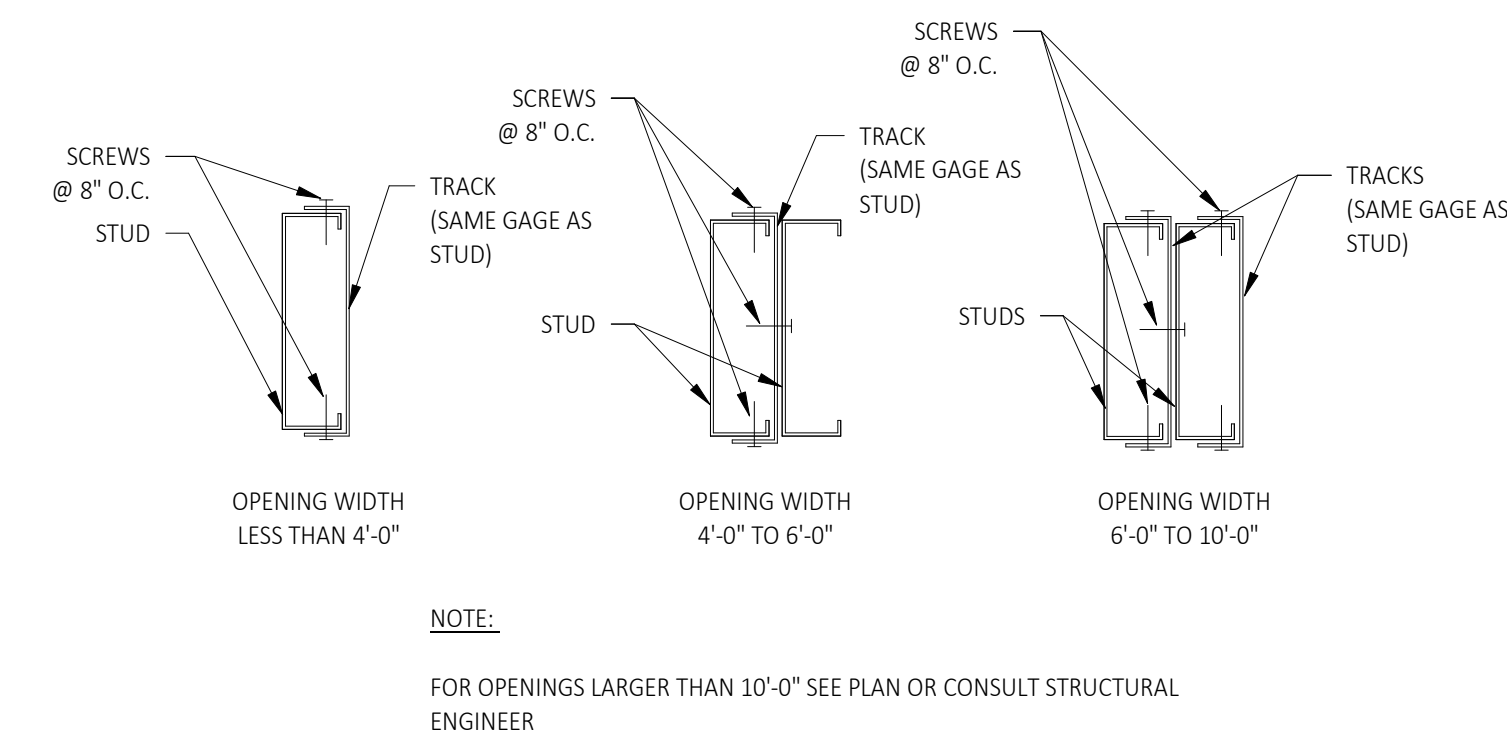
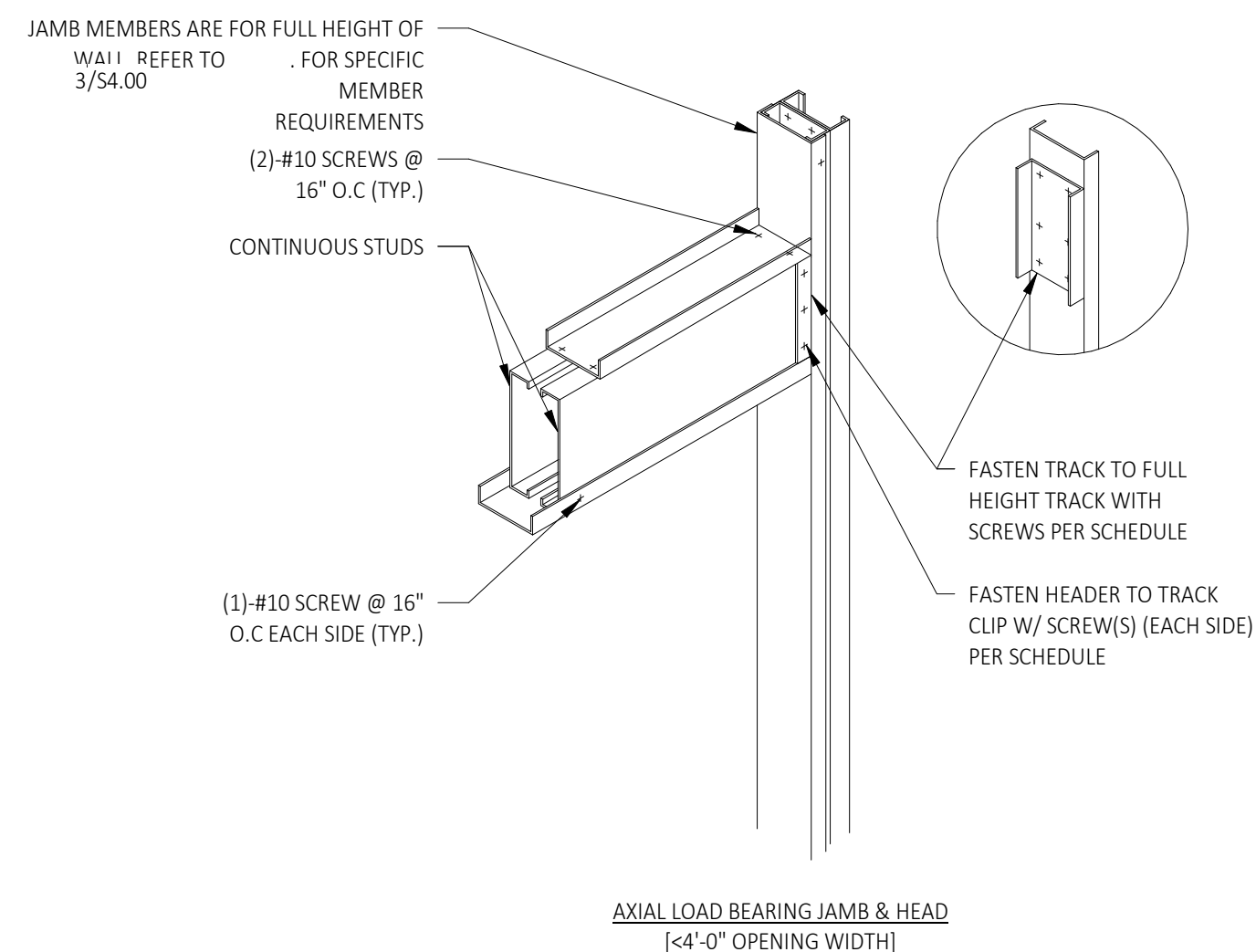
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TYPICAL COLD-FORMED DETAILS

S4.00

COLD-FORMED STEEL (CFS) METAL STUD FRAMING OPENING SCHEDULE				
MAX CLEAR OPENING SPAN	HEADER BOX BEAM	JAMB	HEADER TO JAMB CONNECTION	
			SCREWS PER TRACK CLIP FACE	SCREWS EA. FLANGE TRACK
4'-0"	(2) 600S162-54 + (2) 600T150-54 T&B	(1) 600S162-54 (1) 600T150-54	6	3
6'-0"	(2) 1000S162-54 + (2) 600T150-54 T&B	(2) 600S162-54 (1) 600T150-54	8	4
10'-0"	(2) 1200S162-54 + (2) 600T150-54 T&B	(2) 600S162-54 (2) 600T150-54	10	5

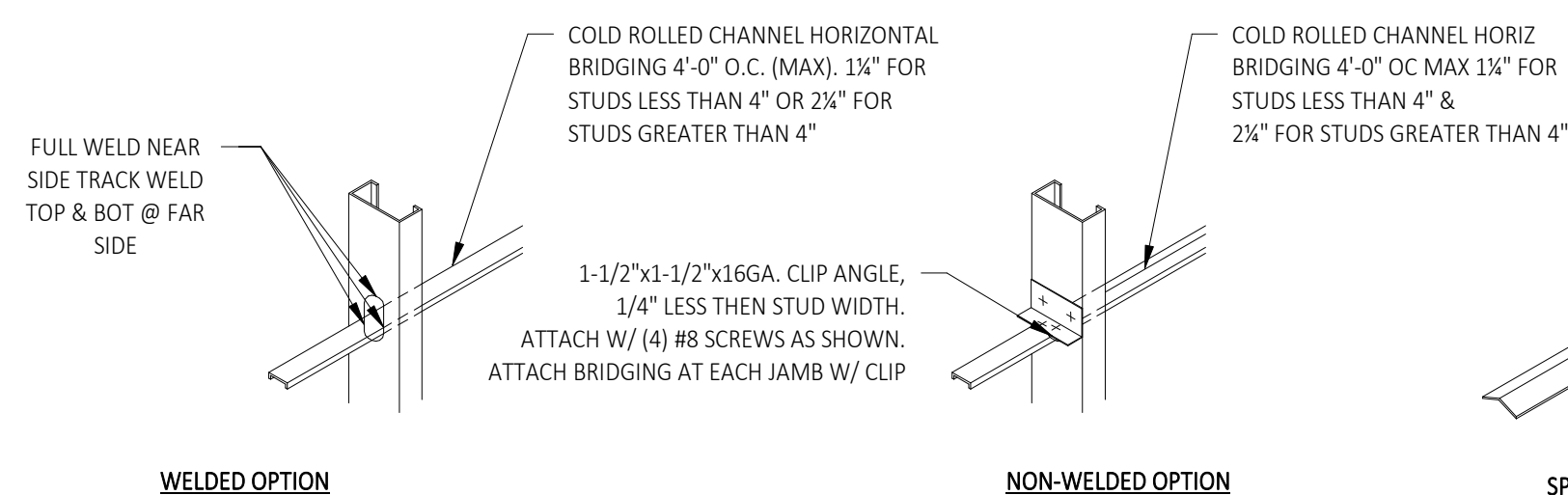
- NOTES:
- PROVIDE LINTELS OVER ALL OPENINGS, INCLUDING BUT NOT LIMITED TO: DOORS, WINDOWS, LOUVERS, RECESSES UNLESS SHOWN OR NOTED OTHERWISE.
 - FOR DIMENSIONS AND CONNECTION OF OPENINGS SEE ARCHITECTURAL
 - REFER TO DETAIL FOR HEADER TO JAMB CONNECTION & BOX BEAM FASTENING PATTERN.



- NOTE:
FOR OPENINGS LARGER THAN 10'-0" SEE PLAN OR CONSULT STRUCTURAL ENGINEER

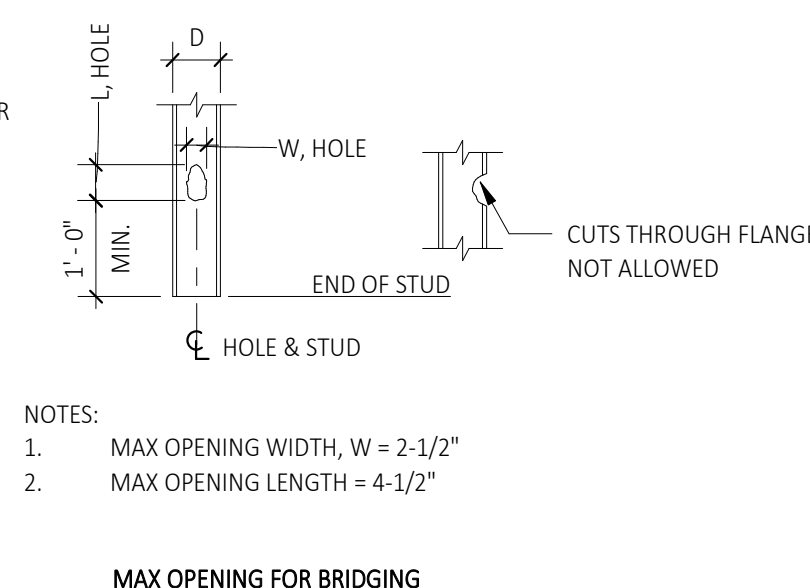
1 CFS METAL STUD FRAMING - OPENING SCHEDULE

S4.00 3/4" = 1'-0"



2 TYPICAL EXTERIOR HEADER TO JAMB

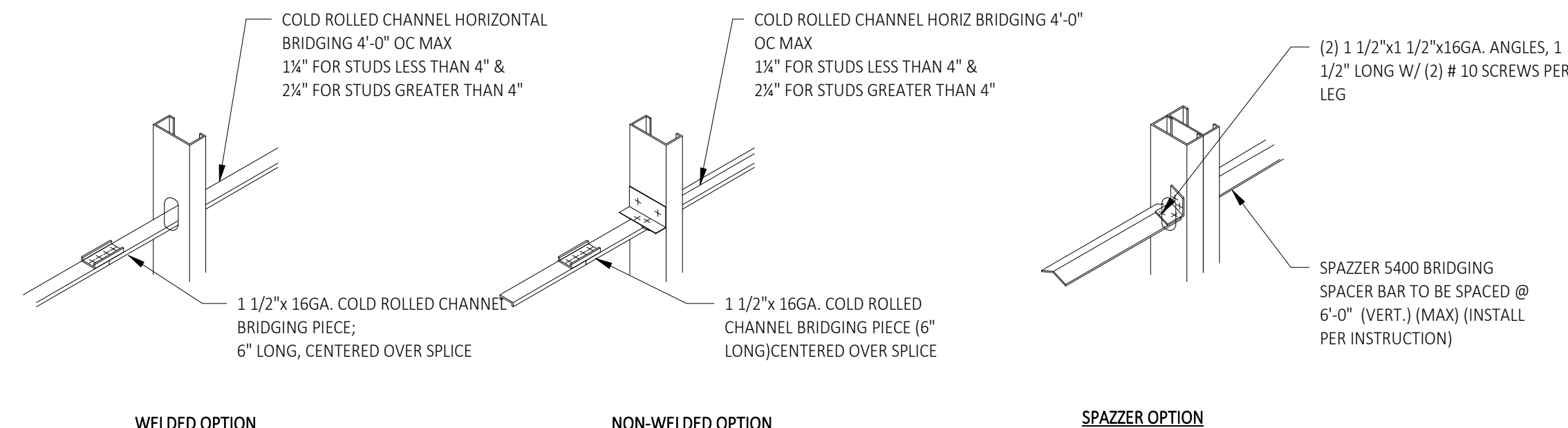
S4.00 N.T.S



- NOTES:
- MAX OPENING WIDTH, W = 2-1/2"
 - MAX OPENING LENGTH = 4-1/2"

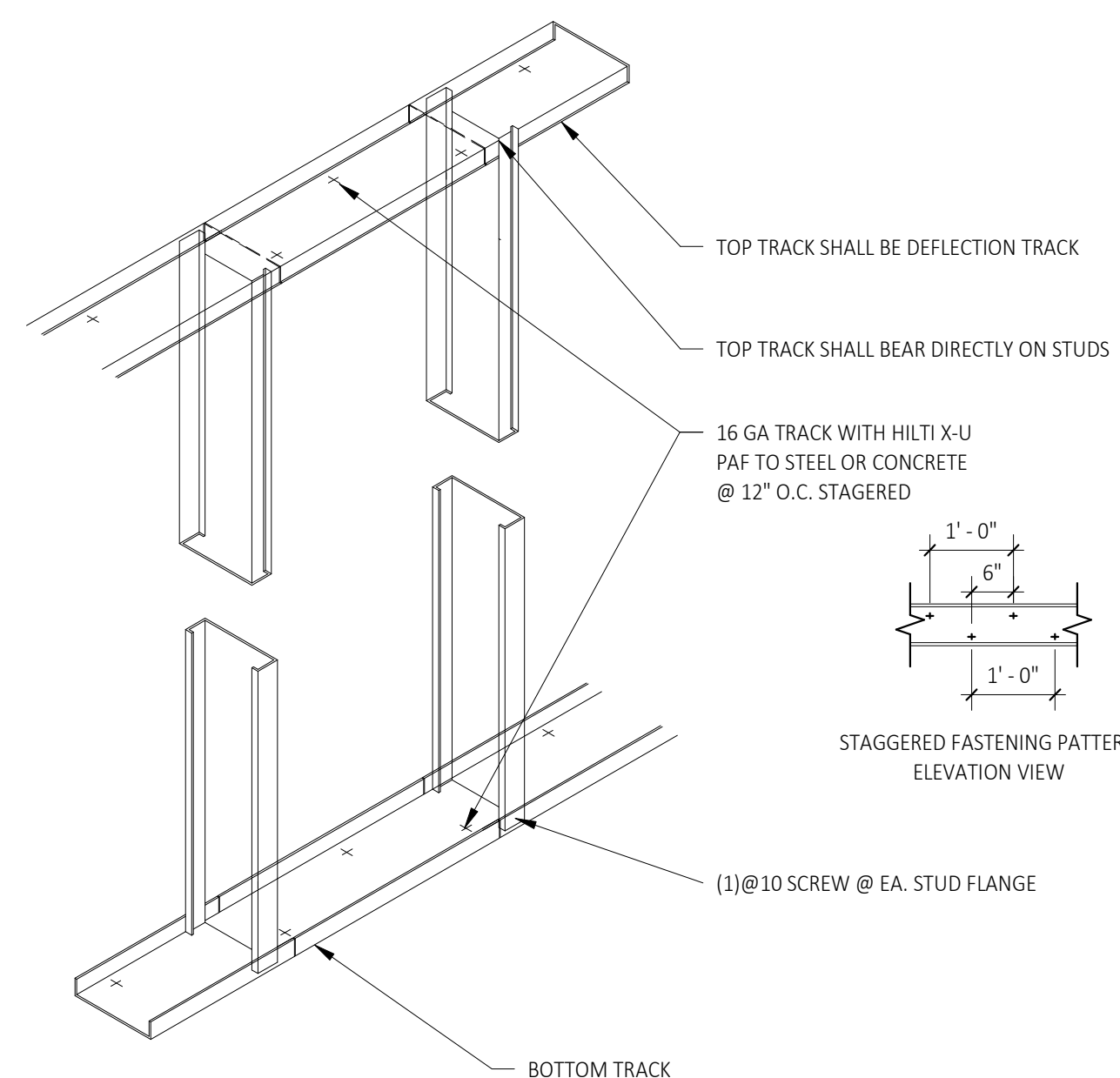
3 CFS METAL FRAMING - JAMB FASTENEING PATTERN

S4.00 1" = 1'-0"



4 CFS METAL FRAMING - BRIDGING CONNECTION OPTIONS

S4.00 N.T.S



6 CFS TRACK TO CONCRETE CONNECTION

S4.00 N.T.S

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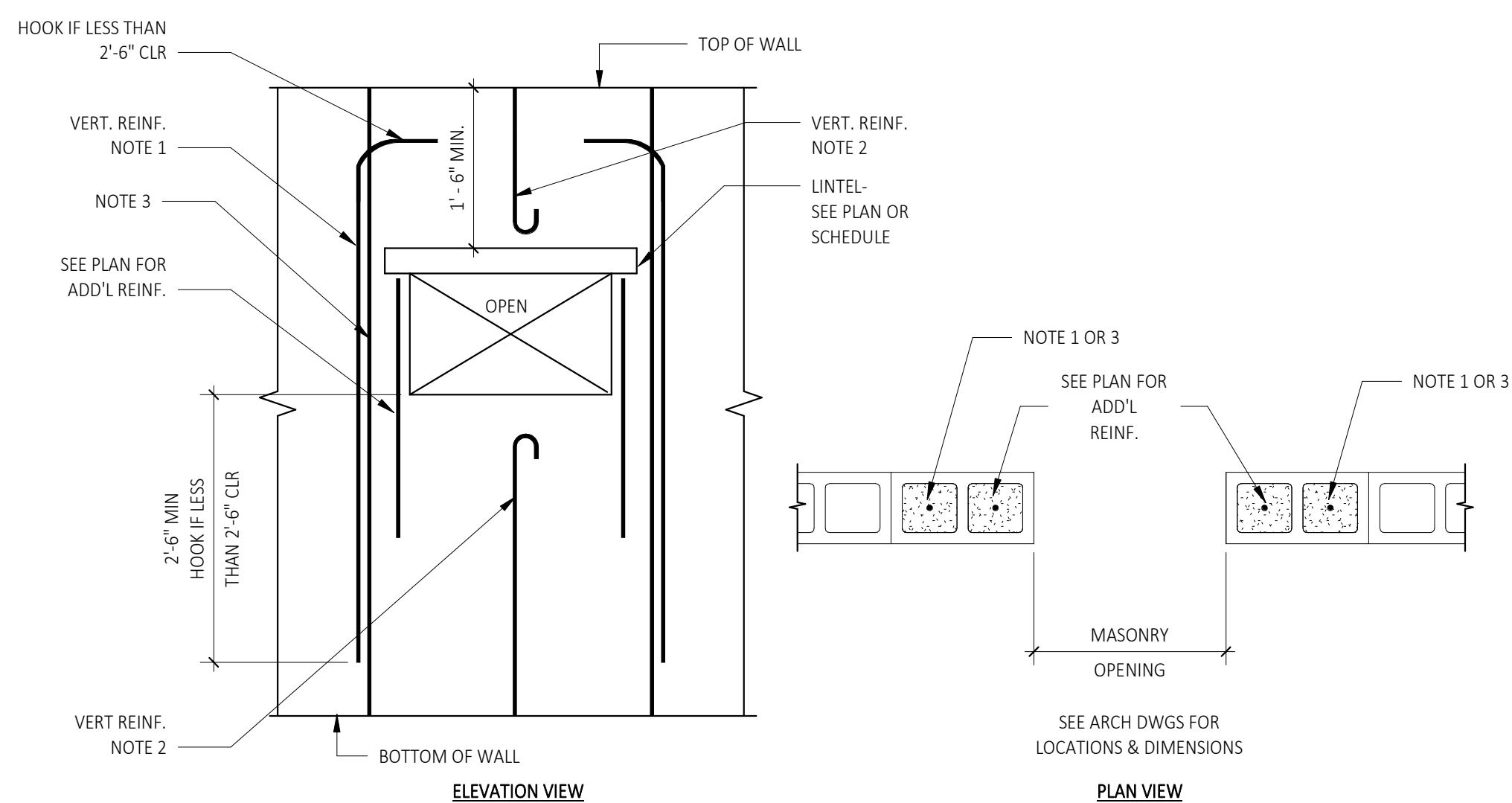
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CMU LINTEL SCHEDULE			
ALL OPENINGS AND RECESSES IN CONCRETE MASONRY WALLS (UNLESS NOTED OTHERWISE ON DWGS) SHALL HAVE BOND BEAM AS FOLLOWS.			
OPENING SIZE (UP TO & INCLUDING)	DEPTH	REINFORCEMENT	JAMBS (EA. SIDE)
5'-0"	16"	(2) #6 CONT.	MIN. (2) CELLS
10'-0"	16"	(2) #6 CONT. EA. COURSE	MIN. (3) CELLS
15'-0"	24"	(2) #6 CONT. EA. COURSE	MIN. (3) CELLS

- NOTES:
- BOTTOM OF LINTELS SHALL OCCUR AT TOP OF MASONRY OPENING
 - REINFORCEMENT NOTED SHALL BE CONTINUOUS PLACED AS SHOWN.
 - KNOCK-OUT BLOCKS ARE PERMITTED TO BE USED IN PLACE OF U-BLOCK
 - SEE TYPICAL DETAILS FOR MORE INFORMATION.
 - SEE TYPICAL MASONRY BOND BEAM DETAIL FOR CONT. REINF. SPACING.



- NOTES:
- ALL INTERRUPTED VERT BARS SHALL BE COMPENSATED FOR BY ADDITIONAL BARS ON EA. SIDE OF OPENING FULL HEIGHT OF WALL. TOTAL AREA OF ADDITIONAL BARS SHALL EQUAL AREA OF INTERRUPTED BARS. PROVIDE MIN. (2) #5 EA. SIDE OF OPENING.
 - SIZE & SPACING OF REINF. INDICATED ON PLAN. PROVIDE HOOKED ENDS ON ALL DISCONTINUOUS BARS.
 - PROVIDE MIN (2) #5 EA. SIDE OF OPENING FOR UNREINFORCED WALL

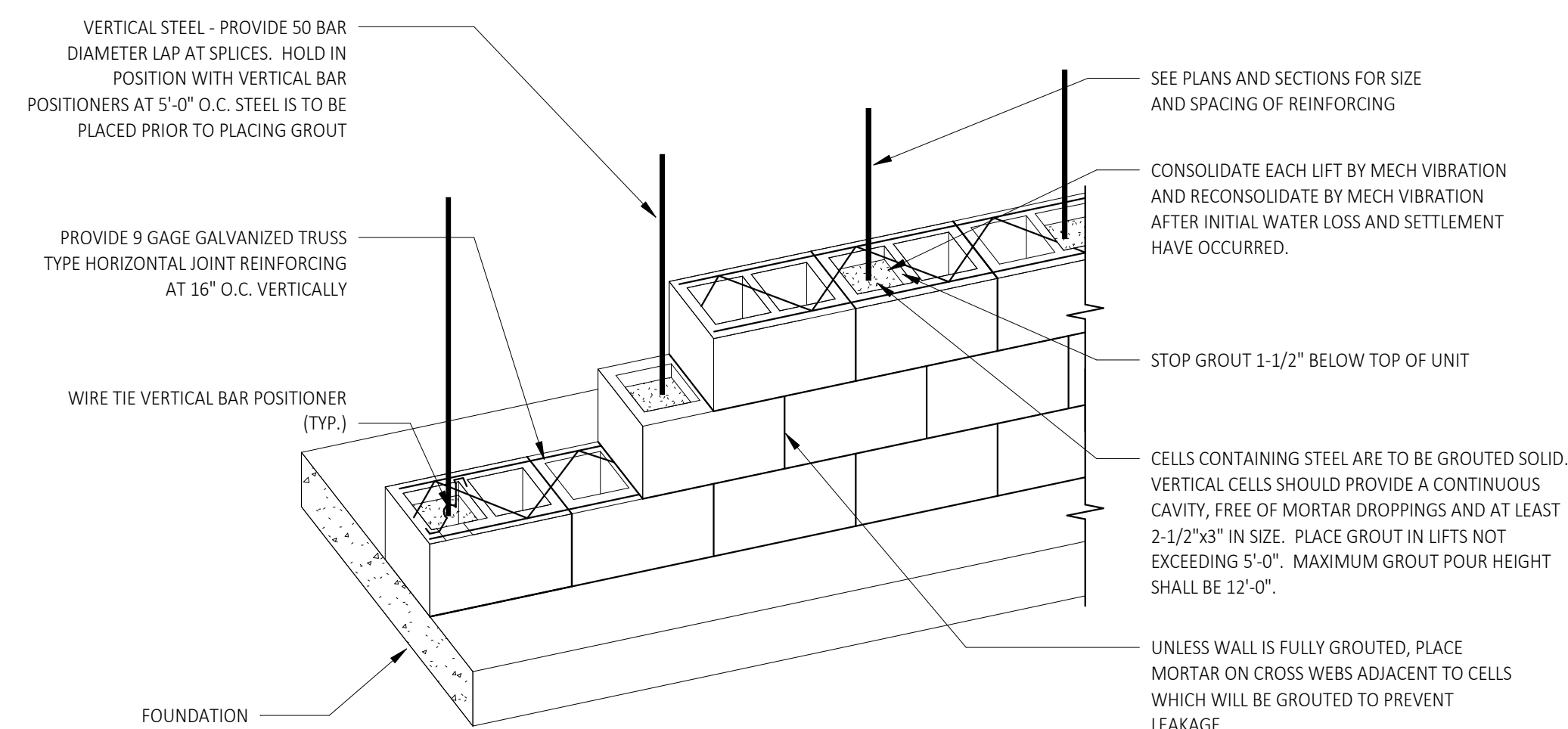
2 Masonry Wall Opening Reinforcing

S4.01 N.T.S

BAR SIZE	MASONRY REINFORCING STEEL LAP SPLICES	
	MIN LAP SPLICE LENGTH (IN.)	
	6" CMU	8" CMU
3	12	12
4	18	15
5	28	20
6	40	30
7	-	40
8	-	53

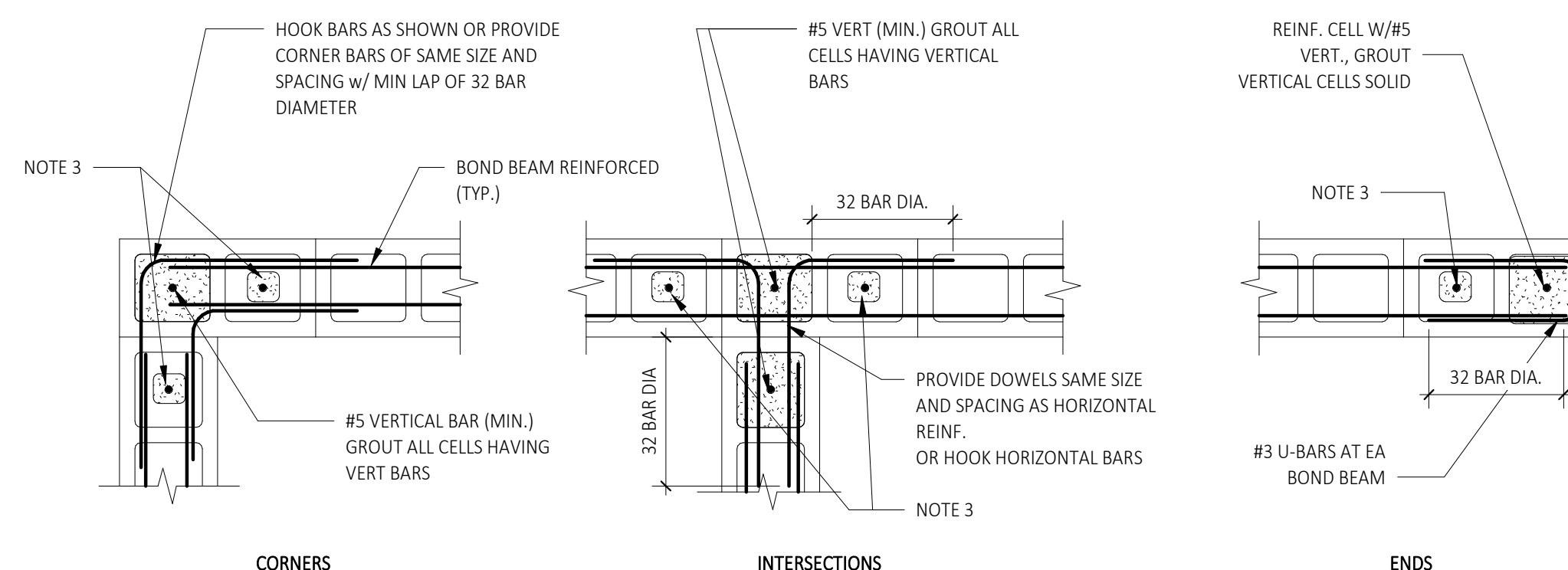
NOTES:

- Table based on IBC ACI 530-11
- f'm = 2000 psi min.
- f'y = 60000 psi and reinforcement in center of wall
- For horizontal bond beam, a masonry clear cover of 1 1/2" is required.



1 REINFORCED MASONRY CONSTRUCTION

S4.01 3/4" = 1'-0"



- NOTES:
- UNLESS OTHERWISE NOTED OR SPECIFIED, AT POINTS WHERE CONCRETE MASONRY WALLS MEET OR INTERSECT. LAY 50% OF UNITS IN MASONRY BOND WITH ALTERNATE UNITS HAVING A BEARING ON NOT LESS THAN 4" ON THE UNIT BELOW.
 - UNLESS OTHERWISE NOTED, PROVIDE DOWELS FROM CONCRETE FOOTING OR WALL BELOW WITH SAME SIZE AND SPACING AS VERTICAL BARS AT LEVEL BELOW. LAP 50 BAR DIAMETER MINIMUM UNO.
 - PROVIDE ADD'L REINFORCED GROUTED CELLS IN WALLS WHICH EXCEED 8" NOMINAL WIDTH.

3 VERTICAL REINFORCEMENT AT INTERSECTIONS

S4.01 N.T.S

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TYPICAL CMU DETAILS

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CONTRACTOR
Woodward Design+Build
1000 South Norman C. Francis Parkway
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(504)

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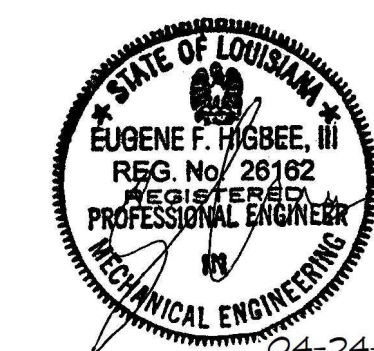
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MECHANICAL LEGEND AND NOTES

MECHANICAL GENERAL NOTES:

- HVAC SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE 2021 EDITIONS OF THE INTERNATIONAL BUILDING CODE, INTERNATIONAL MECHANICAL CODE AND INTERNATIONAL FUEL GAS CODE, THE 2007 EDITION OF THE ASHRAE GUIDELINES AND THE CURRENT EDITIONS OF THE APPLICABLE NFPA STANDARDS.
- DUCT SIZES REFLECT FREE AREA DIMENSIONS. INSTALL DUCT WORK TIGHT TO AND SUSPENDED FROM STRUCTURE ABOVE. TRANSITION DOWN TO CROSS BENEATH BEAMS. CONTRACTOR SHALL COORDINATE WITH ENGINEER ALL TRANSITIONS AND ROUTING THROUGH JOISTS IN THE FIELD AND CONFIRM WITH FIELD SKETCHES FOR RECORD PURPOSES.
- COORDINATE EXACT DUCT ROUTE AND DROPS WITH STRUCTURE, PLUMBING LINES, ELECTRICAL SYSTEMS, AND SPECIAL SYSTEMS. COORDINATE AIR DEVICE LOCATIONS WITH OTHER TRADES AND UTILIZE ARCHITECTURAL REFLECTED CEILING PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF CEILING AND WALL MOUNTED MECHANICAL DEVICES.
- MOUNT THERMOSTATS & HUMIDISTATS 48" A.F.F., COORDINATE EXACT LOCATION WITH OTHER TRADES AND ARCHITECT. THERMOSTATS SHALL NOT BE MOUNTED ON EXTERIOR WALLS OR WHERE DIRECT SUNLIGHT OR SUPPLY AIR FLOW WILL AFFECT CONTROL.
- REFER TO ARCHITECTURAL PLANS FOR, FLOOR, ROOF & WALL PENETRATION DETAILS.
- PROVIDE FLEX CONNECTIONS FOR ALL DUCT CONNECTIONS TO FAN POWERED EQUIPMENT UNLESS SPECIFICALLY NOTED OTHERWISE. FLEX CONNECTIONS OR FLEX DUCTS NOT ALLOWED ON EXHAUST EQUIPMENT.
- DUCT MOUNTED SMOKE DETECTORS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR AND INSTALLED BY MECHANICAL CONTRACTOR IN SUPPLY AND RETURN AIR DUCTS AS INDICATED ON PLANS. DETECTORS SHALL BE MONITORED BY FIRE ALARM SYSTEM AND DE-ENERGIZE AIR HANDLING UNIT, ROOFTOP UNIT UPON ACTIVATION. CONTROLS CONTRACTOR SHALL BE RESPONSIBLE FOR WIRING FROM INTERFACE MODULE TO MOTOR STARTER. COORDINATE WITH FIRE ALARM CONTRACTOR FOR LOCATION OF INTERFACE.
- UNLESS SPECIFICALLY NOTED OTHERWISE, ALL MECHANICAL SYSTEMS SHALL BE CONCEALED IN FINISHED SPACES.
- NO MECHANICAL EQUIPMENT, DUCT OR PIPING SHALL EXTEND INTO PLANE ABOVE ELECTRICAL PANELS UNLESS OTHERWISE NOTED.
- INSTALL MANUAL VOLUME DAMPERS IN ALL SUPPLY, RETURN, AND EXHAUST BRANCH DUCTS TO AIR DEVICES. BRANCH DUCT DAMPERS NOT SHOWN FOR CLARITY. DOES NOT APPLY TO MEDIUM PRESSURE DUCTS SERVING AIR TERMINAL DEVICES.
- ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND SHALL BE LOCATED TO ALLOW PROPER ACCESS FOR MAINTENANCE AND SERVICING.
- ANCHOR ALL ROOF MOUNTED EQUIPMENT THROUGH ROOF TO ROOF STRUCTURE. PROVIDE 3/8" STAINLESS STEEL THROUGH BOLTS TO ANCHOR EQUIPMENT SUPPORTS MOUNTS. PROVIDE ANGLE BACKER AND DOUBLE NYLON LOCK NUTS BELOW. EQUIPMENT MOUNTED ON STRUCTURE ABOVE ROOF SHALL BE STRAPPED OR CLAMPED TO STRUCTURE. ANCHORS SHALL BE MINIMUM 1 PER SIDE AND 36" ON CENTER.
- OUTSIDE AIR INTAKES TO MECHANICAL EQUIPMENT SHALL BE NO LESS THAN 10' FROM EXHAUST OUTLETS & PLUMBING VENTS.
- PROVIDE 22X30 (MINIMUM) ACCESS PANELS IN HARD CEILINGS WHERE MECHANICAL ACCESS IS REQUIRED. COORDINATE LOCATIONS WITH OTHER TRADES AND ARCHITECT.
- ALL ABOVE CEILING RETURN AIR TRANSFER DUCTS SHALL BE LINED WITH 1" THICK FIBERGLASS INSULATION. TRANSFER DUCTS SHALL HAVE AT LEAST ONE ELBOW AND DUCT LENGTHS BEFORE AND AFTER ELBOW SHALL NOT BE LESS THAN 2' IN LENGTH. TRANSFER DUCT SHALL EXTEND PAST WALL ABOVE SPACE AT LEAST 9". REFER TO ARCHITECTURAL PLANS FOR WALL PENETRATION SPECIFICATIONS & DETAILS.
- CONTRACTOR SHALL PROVIDE RETURN AIR SOUND TRAPS ABOVE ALL NON-DUCTED RETURN AIR GRILLES. SEE RETURN AIR SOUND TRAP DETAIL FOR MORE INFORMATION.
- ALL RETURN AIR DUCTS DOWN FROM ROOFTOP UNITS SHALL BE AT LEAST 3' IN LENGTH AFTER THE ELBOW. CONTRACTOR SHALL INSTALL DUCT LENGTHS AS INDICATED ON PLANS. CONTRACTOR SHALL COORDINATE WITH ENGINEER WHEN NOT POSSIBLE.
- CONTRACTOR SHALL PROVIDE A THERMOSTAT LOCK BOX FOR ALL THERMOSTATS AND HUMIDISTAT. COORDINATE LOCK BOX SIZE WITH APPROVED SUBMITTALS BEFORE ORDERING.
- TO THE EXTENT POSSIBLE AVOID ROUTING DUCTS ABOVE CAN LIGHTS THROUGHOUT. COORDINATE WITH ELECTRICAL AS REQUIRED.

These plans and specifications have been prepared by or under our supervision and, to the best of our knowledge and belief, they comply with all City requirements.
Engineer: *[Signature]*
License Number: 26162
Periodic site visits will (will not) be made by our firm



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STANDARD ABBREVIATION LEGEND

MARK	DESCRIPTION
U.N.O.	UNLESS NOTED OTHERWISE
A.F.F.	ABOVE FINISHED FLOOR
N.I.C.	NOT IN CONTRACT
A.F.G.	ABOVE FINISHED GRADE
V.F.D.	VARIABLE FREQUENCY DRIVE
M.V.D.	MANUAL VOLUME DAMPER

STANDARD NOTE SYMBOL LEGEND

MARK	DESCRIPTION
	FLOOR PLAN AND DETAIL: "X" DENOTES PLAN AND DETAIL NUMBER
	SECTION: "X" DENOTES SECTION ALPHA "Y" DENOTES SHEET SECTION IS DRAWN ON
	DETAIL: "X" DENOTES DETAIL NUMBER "Y" DENOTES SHEET DETAIL IS DRAWN ON
	DETAIL/SECTION REFERENCE: "X" DENOTES DETAIL/SECTION NUMBER OR ALPHA "Y" DENOTES SHEET DETAIL/SECTION IS REFERENCED FROM "Z" DENOTES SHEET DETAIL/SECTION IS DRAWN ON
	ENLARGED REFERENCE: "X" DENOTES DETAIL NUMBER "Y" DENOTES SHEET DETAIL IS DRAWN ON

STANDARD HVAC SYMBOL LEGEND

NOTE: SYMBOL LEGEND IS FOR IDENTIFICATION PURPOSES ONLY. REFER TO PLANS, SCHEDULES, DETAILS AND SPECIFICATIONS FOR SPECIFIC REQUIREMENTS.

MARK	DESCRIPTION
	RECT. DUCT SIZE (CLEAR DIMENSIONS)
	DUCT SECTION (FIRST FIGURE IS TOP)
	CONCENTRIC TRANSITION
	ECCENTRIC TRANSITION
	DUCT (TURNED UP)
	DUCT (TURNED DOWN)
	FLEXIBLE CONNECTION
	MANUAL VOLUME DAMPER (MVD) WITH ACCESS PANEL
	MOTORIZED DAMPER
	ACCESS PANEL
	FIRE DAMPER WITH ACCESS PANEL
	SMOKE DAMPER WITH ACCESS PANEL
	COMBINATION FIRE/SMOKE DAMPER WITH ACCESS PANEL
	CEILING DIFFUSER ASSEMBLY, ARROWS INDICATE AIR PATTERN NO ARROWS INDICATE 4-WAY. PROVIDE MVD AT RUNOUT CONNECTION TO DUCT.
	DUCTED CEILING RETURN AIR REGISTER/GRILLE. PROVIDE MVD AT RUNOUT CONNECTION TO DUCT.
	PLENUM RETURN REGISTER/GRILLE WITH SOUND TRAP
	EXHAUST REGISTER/GRILLE. PROVIDE MVD AT RUNOUT CONNECTION TO DUCT.
	SIDEWALL RETURN REGISTER/GRILLE
	SIDEWALL TRANSFER WITH (2) GRILLES/REGISTERS
	AIR DISTRIBUTION DEVICE, CFM ON TOP, NECK SIZE ON BOTTOM, SEE AIR DEVICE SCHEDULE.- DENOTES NO SPECIFIC AIRFLOW REQUIREMENT.
	VAV (MAX.CFM/ MIN.CFM) AIR TERMINAL DEVICE. TYPE AND SIZE ON TOP, MAXIMUM AND MINIMUM AIR FLOW ON BOTTOM. REFER TO AIR TERMINAL DEVICE SCHEDULE(S).
	CONDENSATE DRAIN
	SMOKE DETECTOR
	THERMOSTAT
	HUMIDISTAT
	TEMPERATURE SENSOR
	CARBON DIOXIDE SENSOR
	NEW MECHANICAL UNIT

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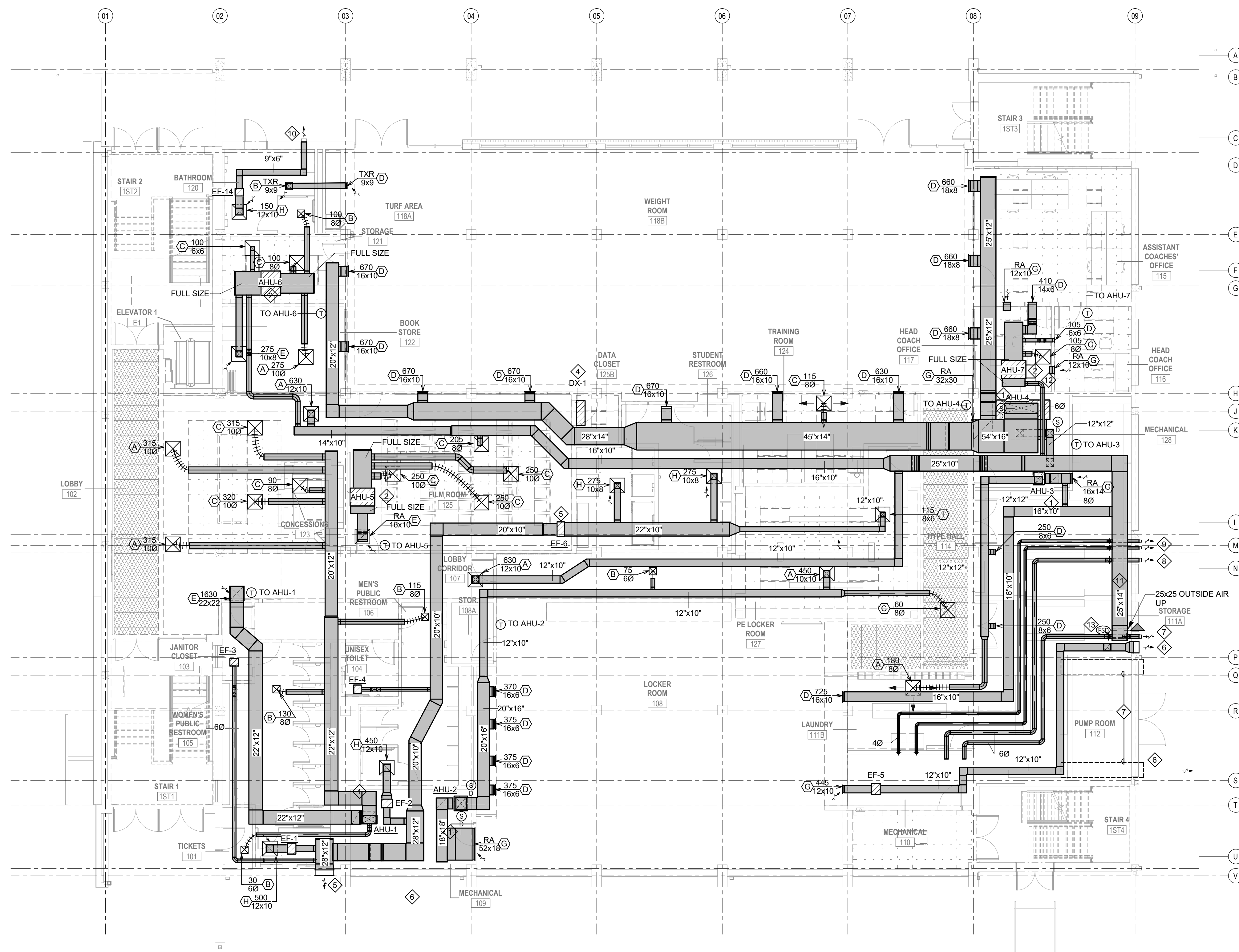
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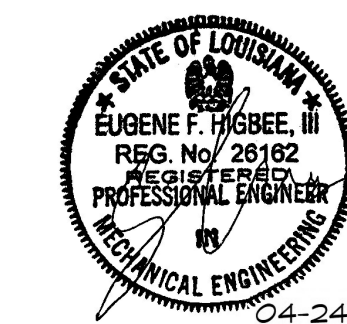
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MECHANICAL SPECIFIC NOTES

- 1 LOCATE UNIT IN PAN ON 4" HOUSEKEEPING PAD AS PER DETAIL. ROUTE FULL SIZED CONDENSATE DRAIN TO HUB DRAIN. PROVIDE MANUAL DAMPERS FOR BALANCING.
- 2 INSTALL UNIT SUSPENDED FROM STRUCTURE ABOVE. PROVIDE VIBRATION ISOLATION SUPPORTS AT ALL POINTS OF CONTACT. ROUTE INSULATED FULL SIZE CONDENSATE DRAIN TO NEAREST HUB DRAIN, COORDINATE WITH PLUMBING. REFER TO DETAILS FOR FURTHER INFORMATION.
- 3 PROVIDE WALL MOUNTED DUCTLESS MINISPLIT WITH HARD WIRED WALL MOUNTED THERMOSTAT. REMOTE CONTROL NOT ALLOWED. LOCATED CENTERED ABOVE DOOR. ROUTE INSULATED FULL SIZED CONDENSATE DRAIN TO NEAREST HUB DRAIN. HARD CONNECT TO HUB DRAIN ABOVE CEILING. PROVIDE CLEANOUT TEE WITH CAP CLOSE TO UNIT.
- 4 INSTALL EXHAUST FAN SUSPENDED FROM STRUCTURE ABOVE WITH VIBRATION ISOLATORS AND SPRING LOADED BACK-DRAFT DAMPERS WITH NEOPRENE SEALS, ADLES SERIES 99 OR EQUAL. TYPICAL ALL FANS. SPEED CONTROLLER SHALL BE ACCESSIBLE.
- 5 EXHAUST LOUVER, GREENHECK MODEL EVH-501D-30X20 OR EQUAL. SIZED FOR 1,695 CFM AT MAX 1,000 FPM. LOUVER SHALL BE MIAMI-DADE RATED AND CERTIFIED UNDER AMCA 540 & 550. CONFIRM FINISH WITH ARCHITECT.
- 6 EXHAUST LOUVER, GREENHECK MODEL EVH-901D-18X14 OR EQUAL. SIZED FOR 445 CFM AT MAX 1,000 FPM. LOUVER SHALL BE MIAMI-DADE RATED AND CERTIFIED UNDER AMCA 540 & 550. CONFIRM FINISH WITH ARCHITECT.
- 7 60 GAS INSTANTANEOUS WATER HEATER COMBUSTION AIR INTAKE INSTALL 2" ABOVE GRADE.
- 8 60 GAS INSTANTANEOUS WATER HEATER DIRECT VENT. INSTALL AS HIGH POSSIBLE WITH MANUFACTURER'S APPROVED TERMINATION ASSEMBLY.
- 9 PROVIDE ALUMINUM WALL CAP WITHOUT BIRDSCREEN FOR DRYER EXHAUST. GREENHECK MODEL WC-4 OR EQUAL. MOUNT AS HIGH AS POSSIBLE.
- 10 9X6 ALUMINUM WALL WITH BIRDSCREEN
- 11 ROUTE OUTSIDE AIR DUCT AS HIGH AS POSSIBLE. COORDINATE WITH ARCHITECT FOR MOUNTING SUPPLY AIR GRILLE.
- 12 ROUTE AHU-7 FULL SIZED CONDENSATE PIPING, INSULATED AS SPECIFIED, TO 3RD WITH MECHANICAL 128. TERMINATE WITH 90 DEGREE ELBOW TURNED DOWN WITH AIR GAP. SUPPORT PIPING OFF FINISHED FLOOR WITH UNISTRUT.
- 13 PROVIDE FIRE/SMOKE DAMPER AT BOTTOM OF SHAFT THAT TERMINATES AT 2ND FLOOR DECK. ACCESS SHALL BE PROVIDED TO DAMPER FROM 2ND FLOOR. COORDINATE WITH ARCHITECTURAL DETAILS FOR FURTHER INFORMATION.



1 MECHANICAL PLAN - FIRST FLOOR
M1.11 SCALE: 1/8" = 1'-0"



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MECH PLAN
FIRST FLOOR

M1.11

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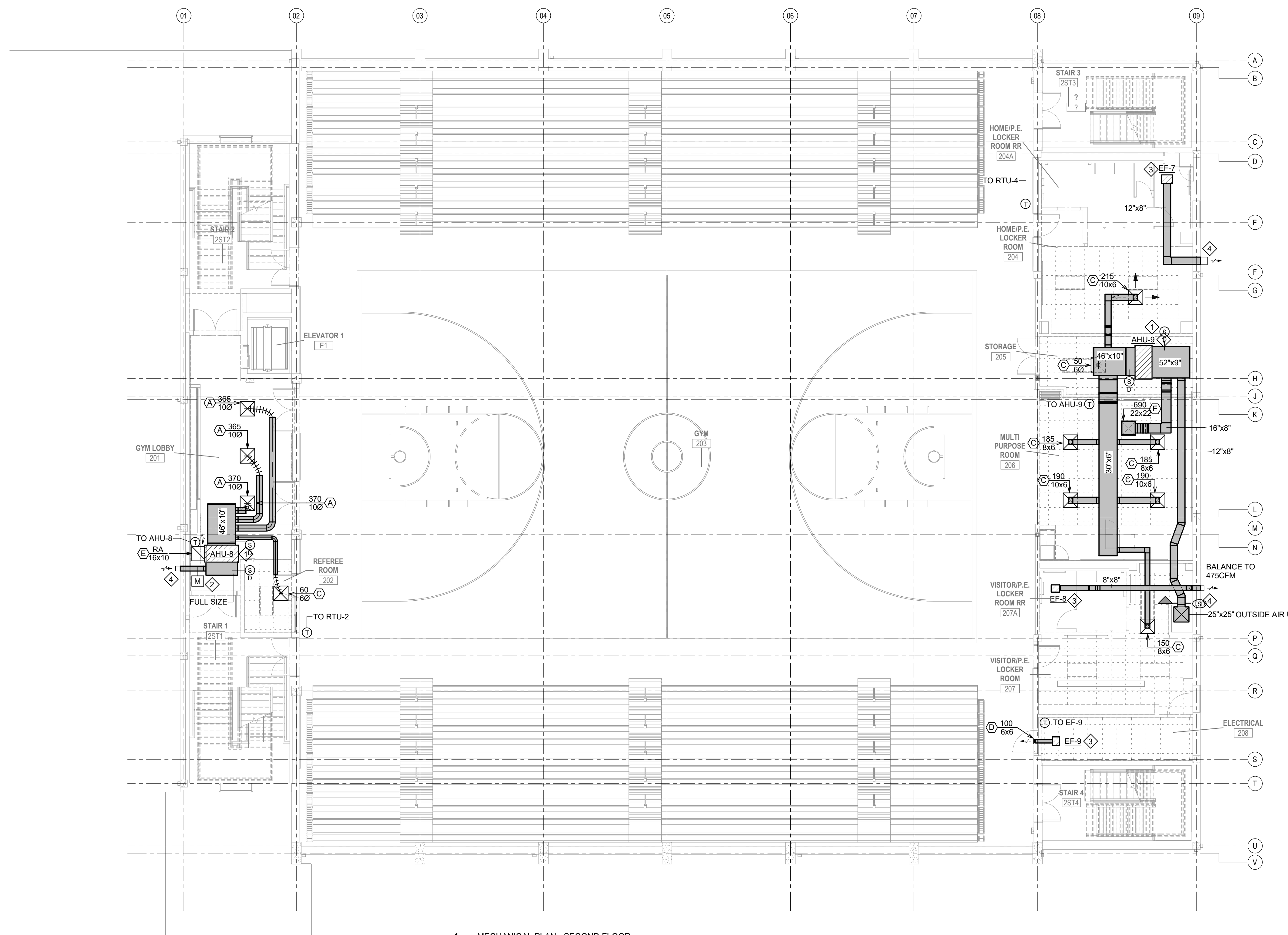
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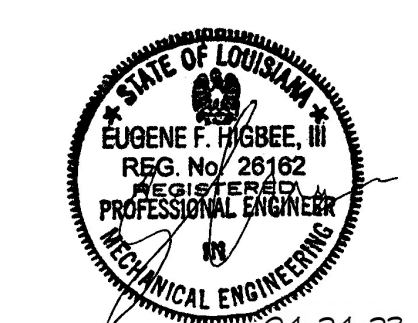
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MECHANICAL SPECIFIC NOTES

- 1 INSTALL UNIT SUSPENDED FROM STRUCTURE ABOVE. PROVIDE VIBRATION ISOLATION SUPPORTS AT ALL POINTS OF CONTACT. ROUTE INSULATED FULL SIZE CONDENSATE DRAIN TO NEAREST HUB DRAIN. COORDINATE WITH PLUMBING. REFER TO DETAILS FOR FURTHER INFORMATION.
- 2 PROVIDE MOTORIZED DAMPER INTERLOCKED TO FAN. PROVIDE MANUAL DAMPERS IN SA/RA FOR BALANCING.
- 3 INSTALL EXHAUST FAN SUSPENDED FROM STRUCTURE ABOVE WITH VIBRATION ISOLATORS AND SPRING LOADED BACK-DRAFT DAMPERS WITH NEOPRENE SEALS. ADLES SERIES 99 OR EQUAL. TYPICAL ALL FANS. SPEED CONTROLLER SHALL BE ACCESSIBLE.
- 4 PROVIDE WALL CAP. WALL CAP SIZE SHALL BE PER DUCT SIZE INDICATED. WALL CAP SHALL BE ALL ALUMINUM WITH BIRD SCREEN.



1 MECHANICAL PLAN - SECOND FLOOR
M1.21 SCALE: 1/8" = 1'-0"



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MECH PLAN
SECOND FLOOR

M1.21

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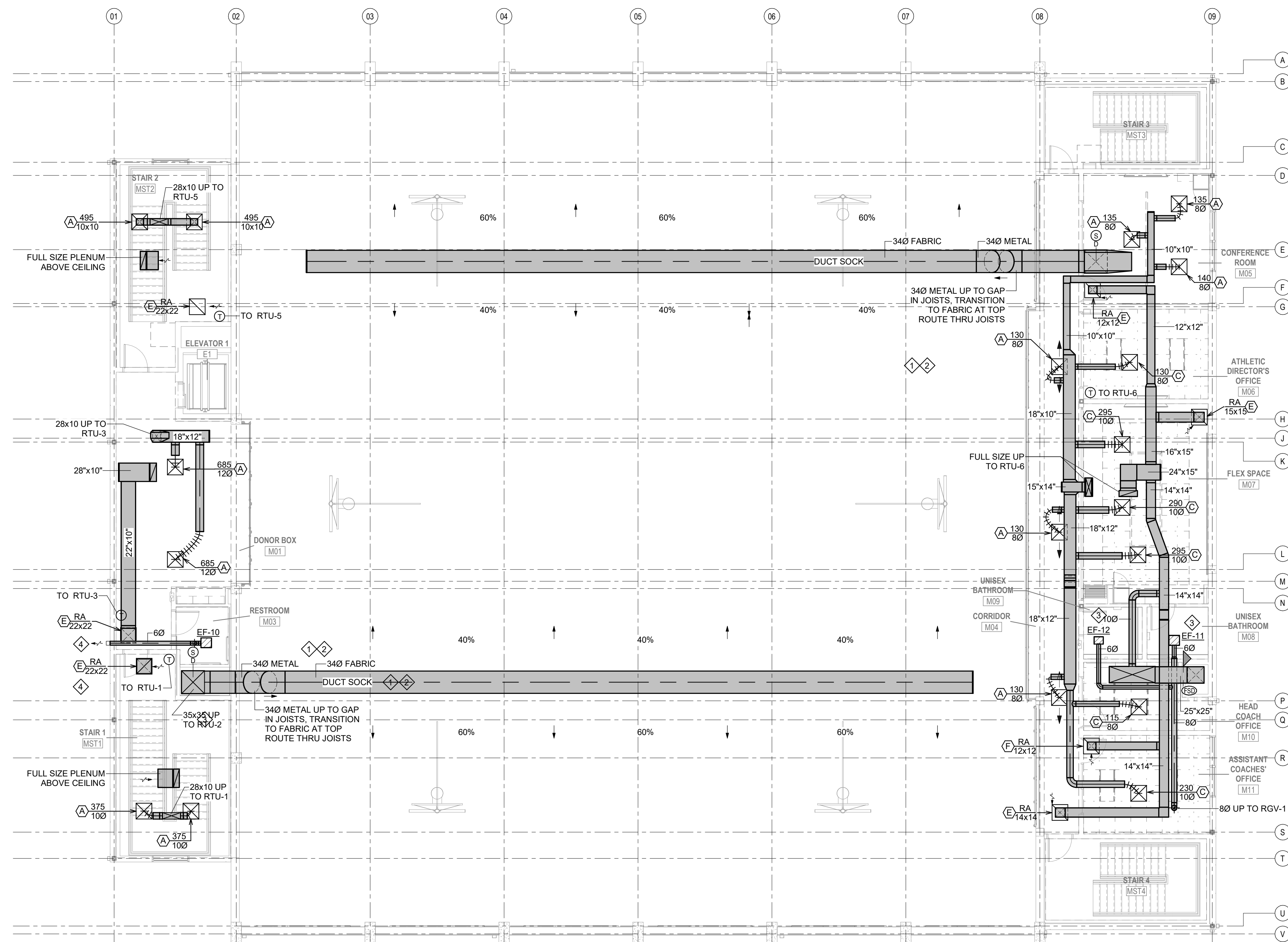
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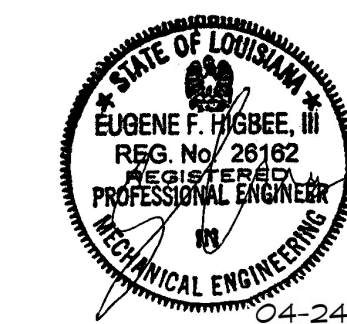
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MECHANICAL SPECIFIC NOTES

- 1 FULL ROUND FABRIC DUCT. PROVIDE AT LEAST 1'-6" OF RIGID ROUND METAL DUCT BEFORE TRANSITION TO FABRIC DUCT. PROVIDE ZIP-IN BAFFLE AT TRANSITION FROM HARD TO FABRIC DUCT TO REDUCE AIRFLOW TURBULENCE. FABRIC DUCT SHALL BE DUCTSOX WITH VERONA FABRIC AND 2-ROW CABLE SUPPORTS OR EQUAL. DUCT TO BE SIZED FOR 10,000 CFM. DUCT MANUFACTURER TO DESIGN AIR DISPERSION CONFIGURATION AND CONFIRM DUCT SIZE TO MEET AIRFLOW REQUIREMENTS PRIOR TO ORDERING. COORDINATE DUCT COLOR WITH ARCHITECT
- 2 DUCT SHALL THROW 60% OF ITS AIRFLOW TOWARDS THE EXTERIOR AND 40% TOWARDS INTERIOR.
- 3 INSTALL EXHAUST FAN SUSPENDED FROM STRUCTURE ABOVE WITH VIBRATION ISOLATORS AND SPRING LOADED BACK-DRAFT DAMPERS WITH NEOPRENE SEALS, ADLES SERIES 99 OR EQUAL. TYPICAL ALL FANS. SPEED CONTROLLER SHALL BE ACCESSIBLE.
- 4 PROVIDE WALL CAP. WALL CAP SIZE SHALL BE PER DUCT SIZE INDICATED. WALL CAP SHALL BE ALL ALUMINUM WITH BIRD SCREEN.



1 MECHANICAL PLAN - MEZZANINE
M1.31 SCALE: 1/8" = 1'-0"



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MECH PLAN
MEZZANINE

M1.31

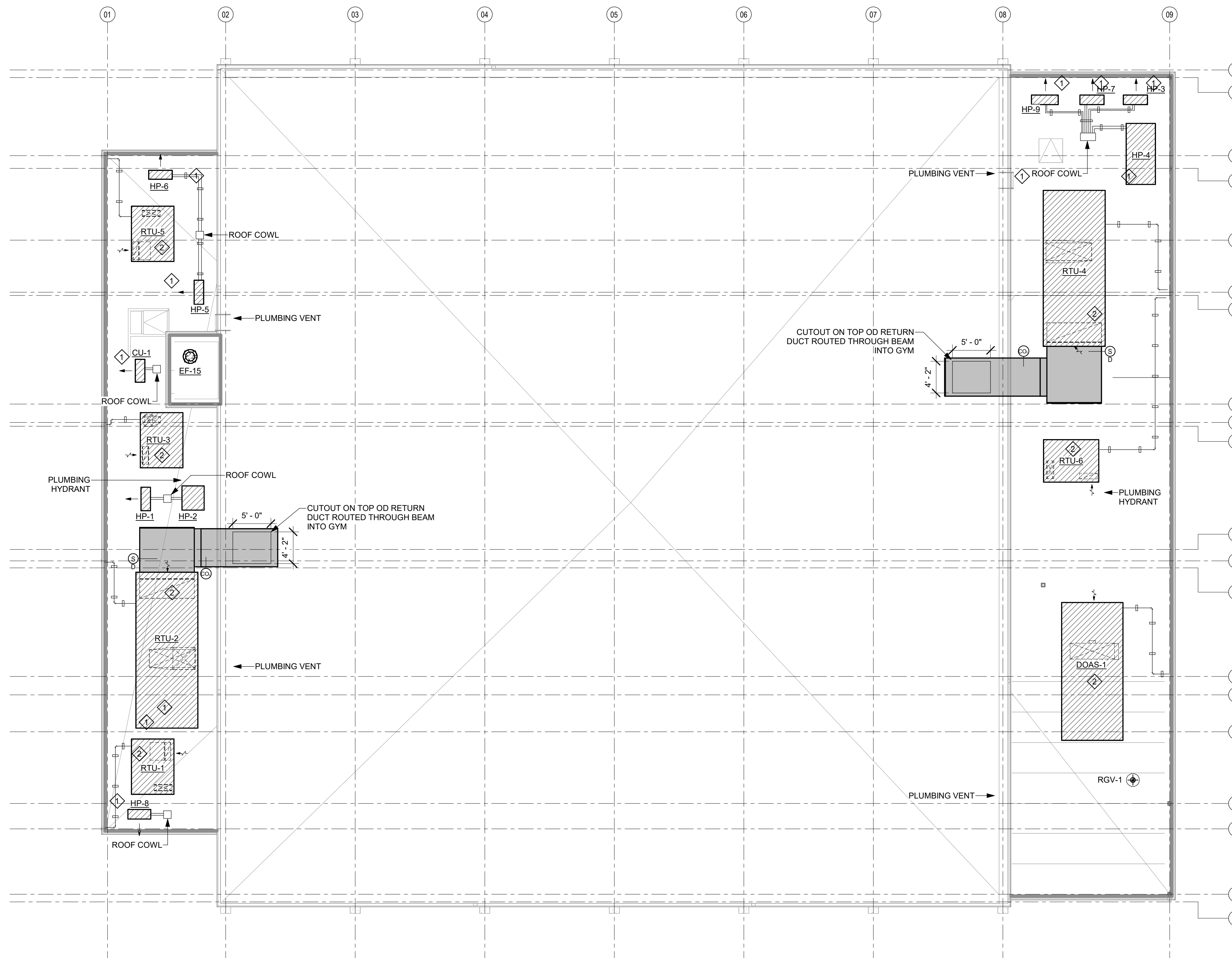
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- MECHANICAL SPECIFIC NOTES**
- 1. INSTALL UNIT ON RAISED EQUIPMENT SUPPORTS. PROVIDE AS REQUIRED PIPE SUPPORTS AT 4' O.C. DURABLOCK OR EQUAL. WOODEN BLOCKS NOT ALLOWED. ROUTE REFRIGERANT LINES AND ELECTRICAL FEEDER THROUGH ROOF COWL. COORDINATE ROOF COWL SIZE AND LOCATION WITH ELECTRICAL. ANCHOR UNIT IN ACCORDANCE WITH MANUFACTURER'S 150MPH WIND LOADING. PIPE INSULATION EXPOSED TO SUNLIGHT SHALL BE COATED WITH MANUFACTURER'S APPROVED UV RESISTANT PAINT.
 - 2. MOUNT UNIT ON FACTORY INSULATED CURB. ANCHOR EQUIPMENT & CURB TO STRUCTURE IN ACCORDANCE WITH MANUFACTURER'S 150MPH WIND LOADING. COORDINATE WITH LOCATION OF DUCTS BELOW AND CONFIRM LOCATION IS ACCEPTABLE WITH STRUCTURAL. PROVIDE FLEX CONNECTION AND TRANSITION TO SIZES INDICATED AS REQUIRED WITHIN CURB. EXTEND FULL SIZED CONDENSATE PIPING ON ROOF TO SCUPPERS. SUPPORT PIPING WITH DURABLOCK OR EQUAL AT 4' O.C. WOODEN BLOCKS NOT ALLOWED. TERMINATE AT SCUPPER/GUTTER WITH 90 DEGREE ELBOW TURNED DOWN WITH 1" AIR GAP.

1 MECHANICAL PLAN - ROOF
M1.41 SCALE: 1/8" = 1'-0"



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MECH PLAN
ROOF

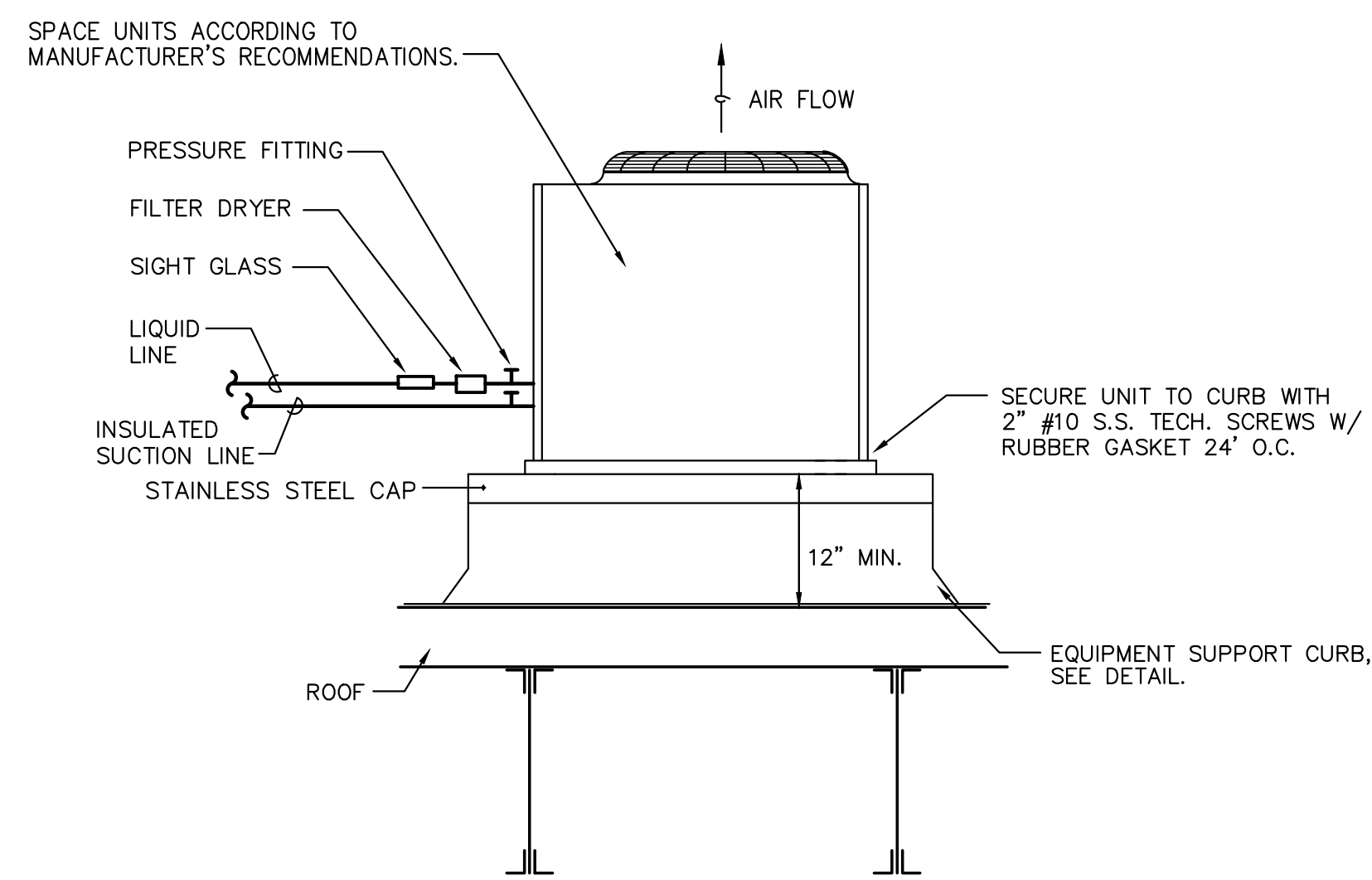
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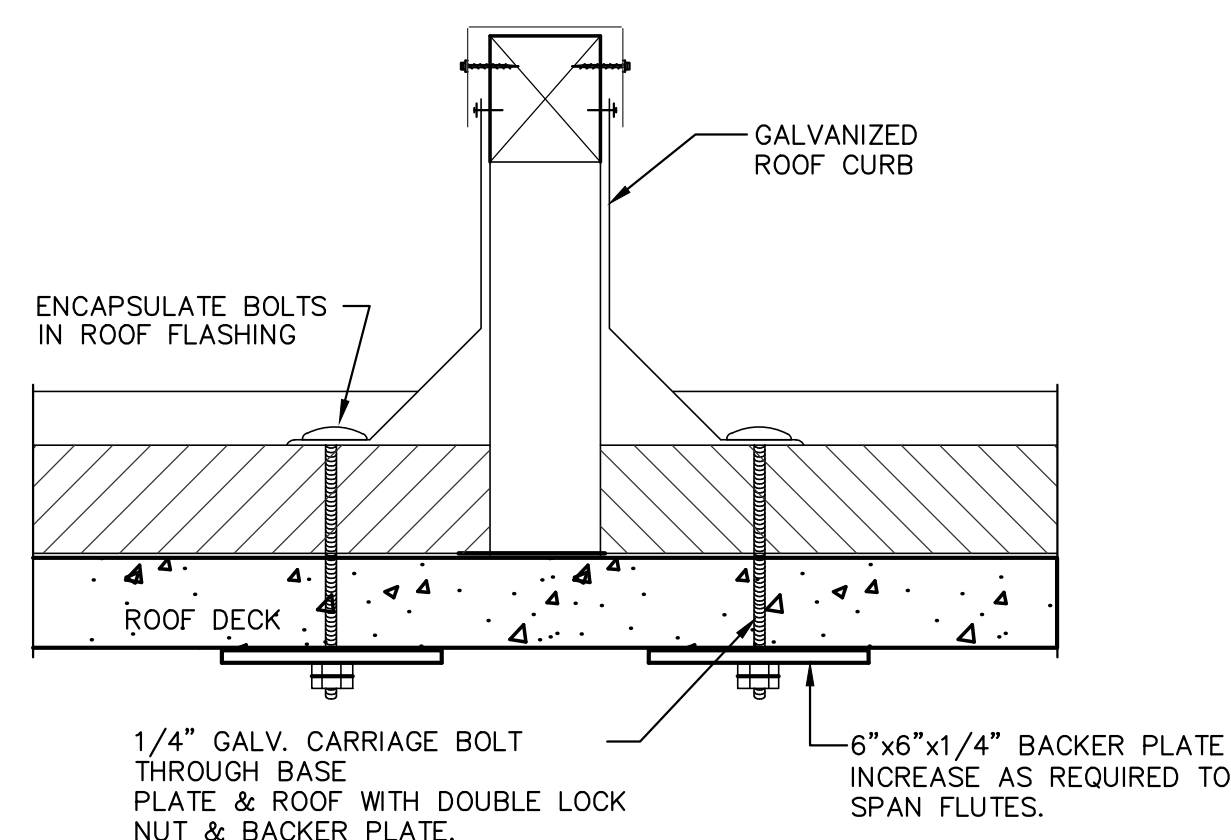
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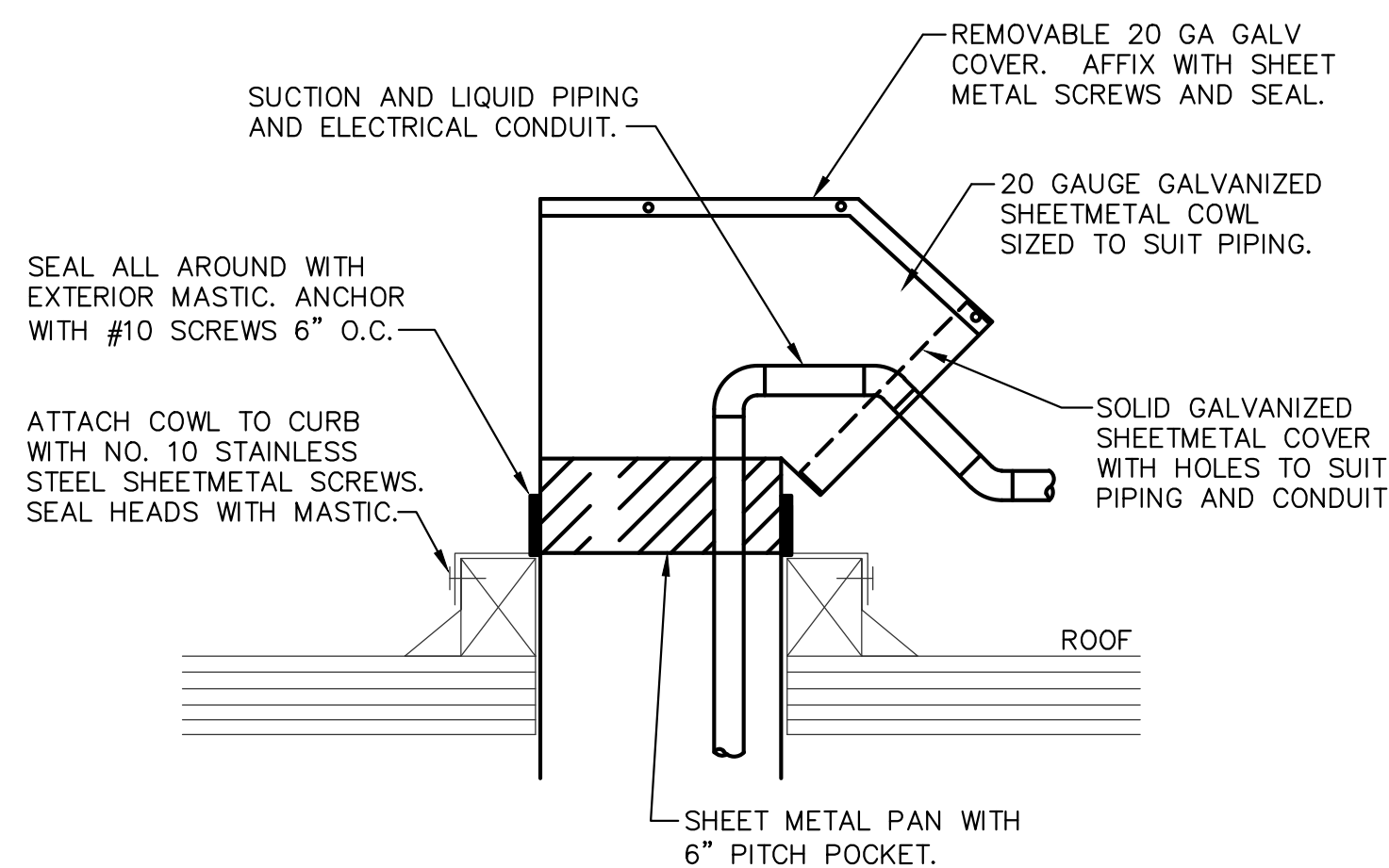
1 CONDENSING UNIT DETAIL
SCALE: N.T.S.



LENGTH	MIN. QTY.	MAX. SPACING
$L \leq 24"$	1	CENTER
$24" < L \leq 72"$	2	36" O.C.
$L > 72"$	3	36" O.C.

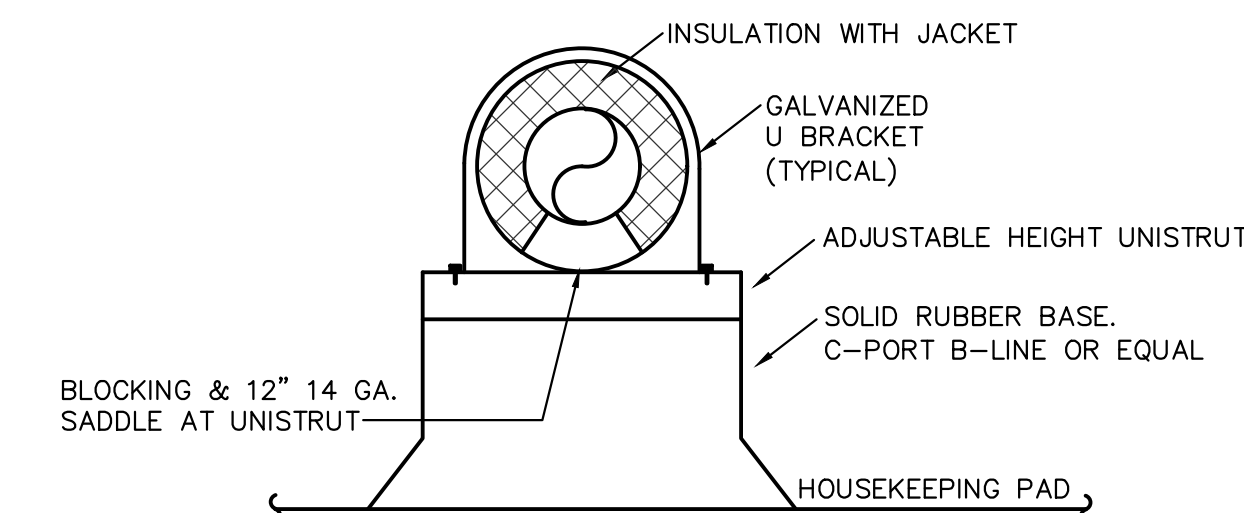
2 ROOF EQUIPMENT SUPPORT/CURB ANCHOR DETAIL
SCALE: N.T.S.

NOTE: ROOF CURB SIMILAR WITH CARRIAGE BOLT ONLY ON EXTERIOR SIDES OF CURB.

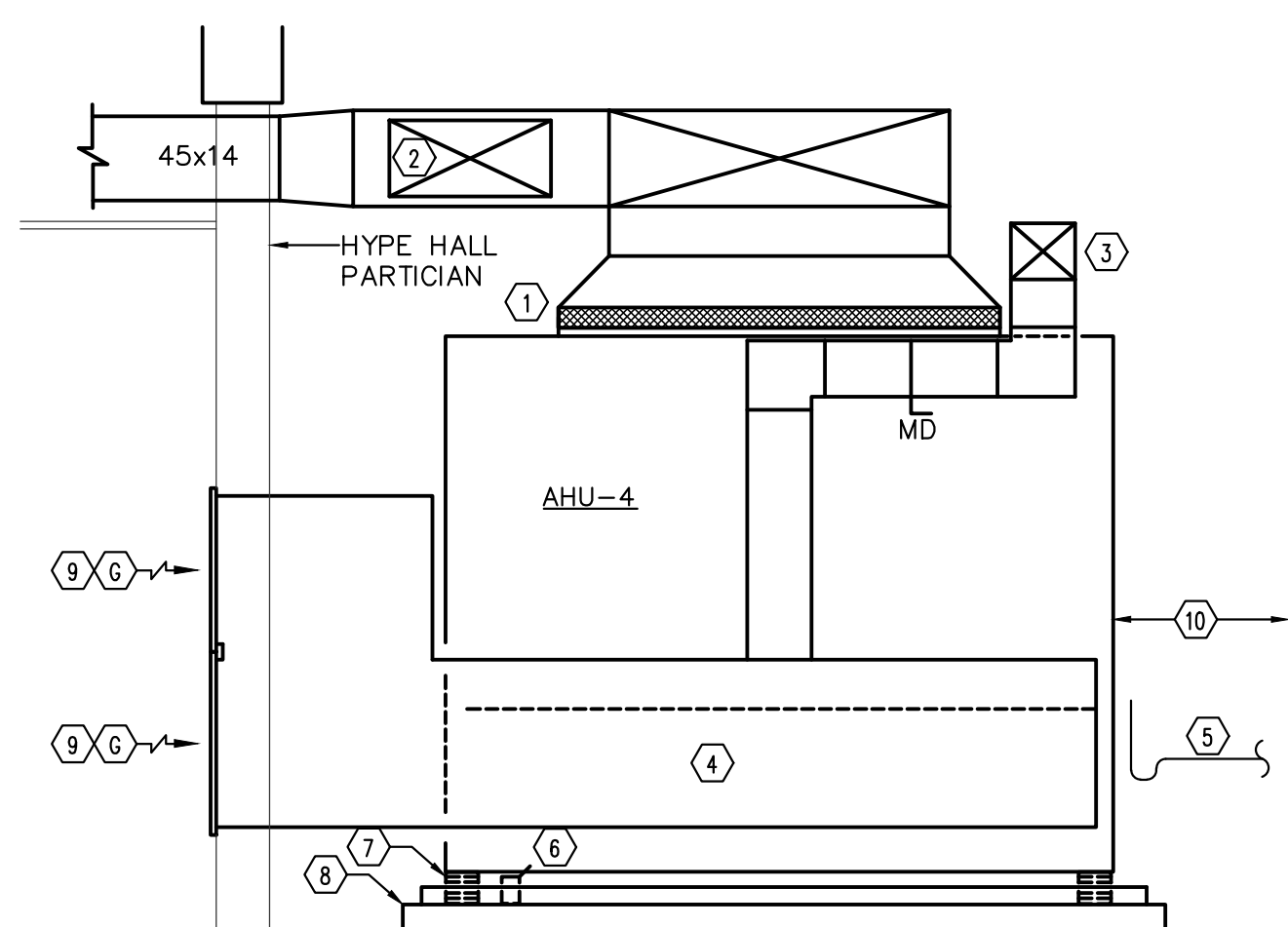


3 ROOF PIPING PENETRATION DETAIL
SCALE: N.T.S.

REFER TO ARCH PLANS FOR FLASHING DETAILS

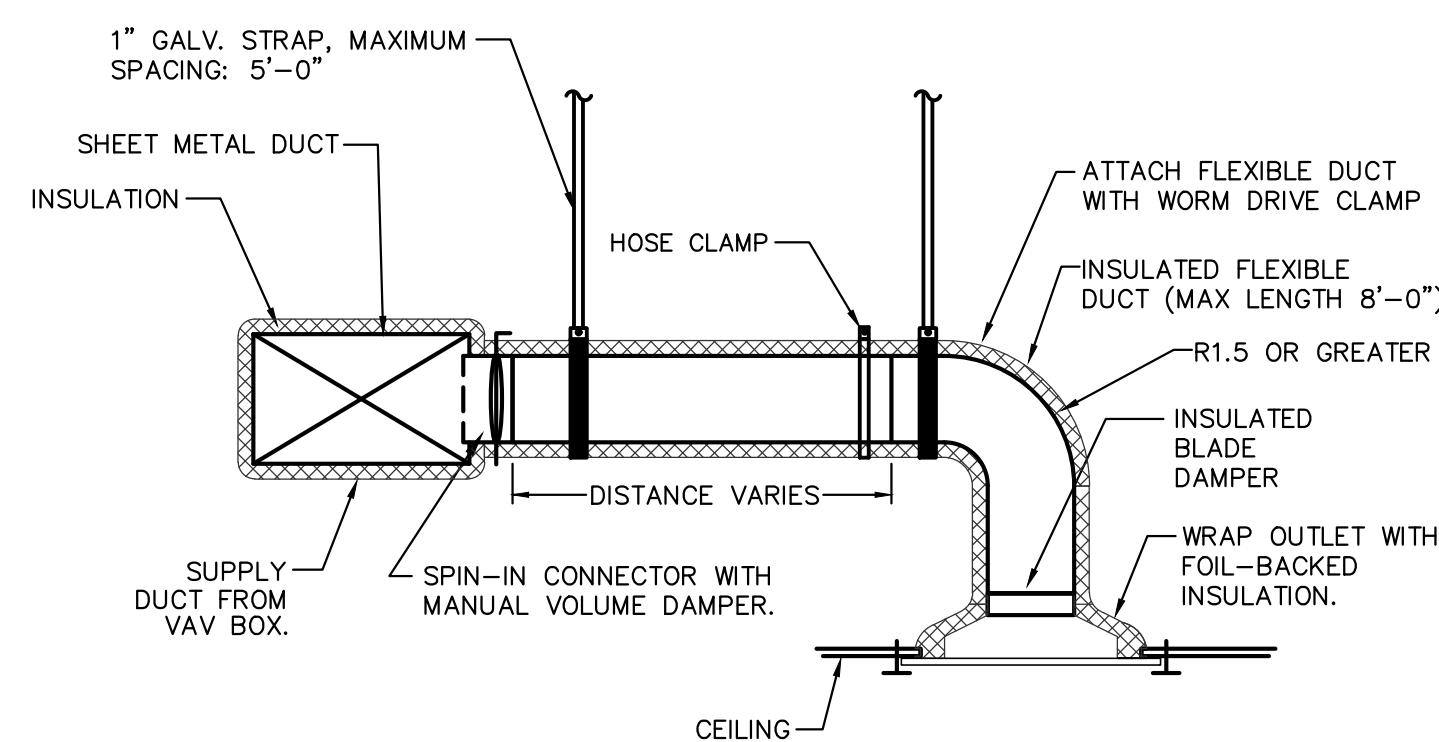


4 EXTERIOR PIPE SUPPORT DETAIL
SCALE: N.T.S.

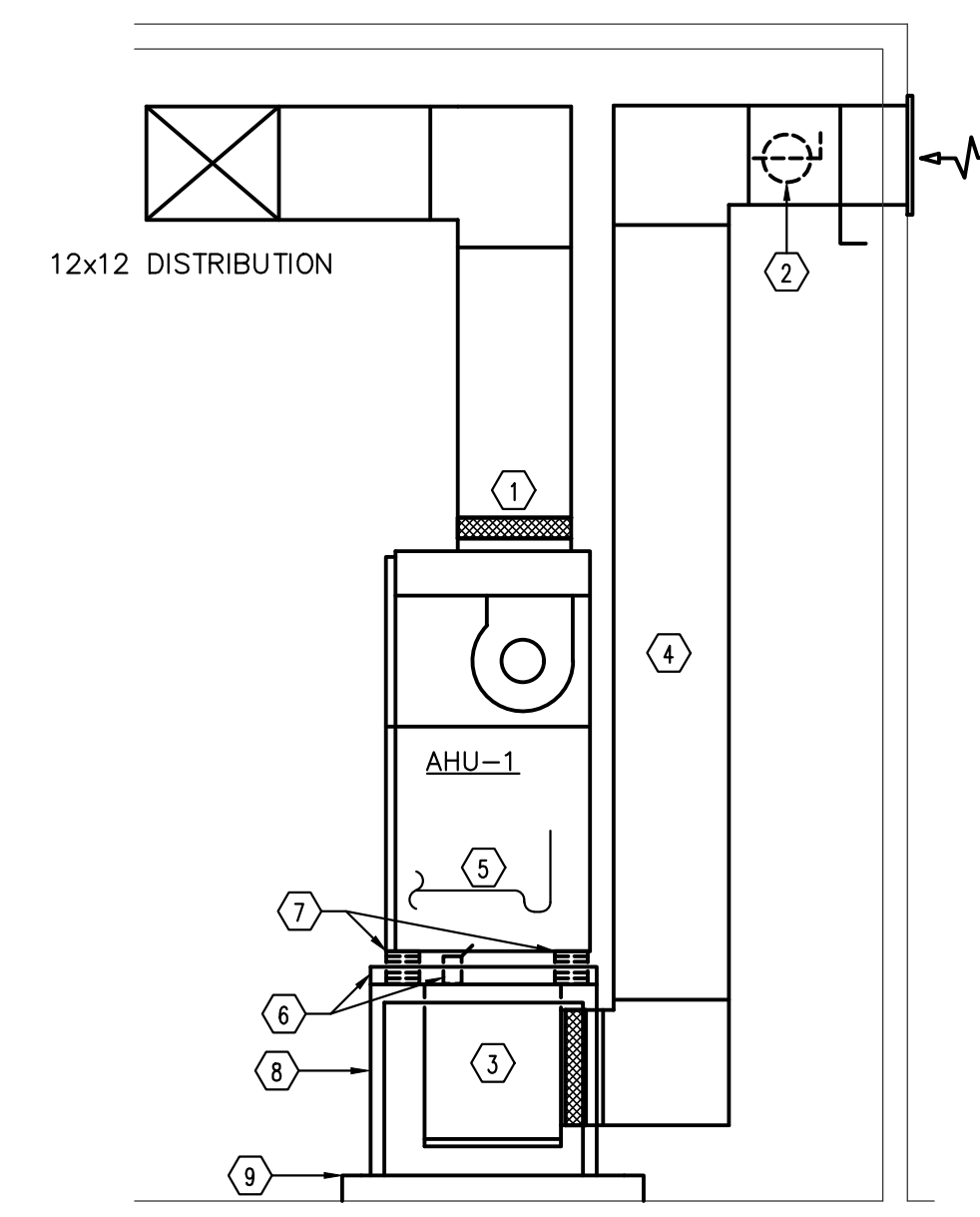


5 TYPICAL AHU-4 DETAIL
SCALE: N.T.S.

- 1 FULL SIZED SUPPLY AIR DUCT UP WITH FLEX CONNECTION AT CONNECTION TO UNIT, TRANSITION TO 54x16.
- 2 25x12 SUPPLY AIR DUCT & TAPS TO SIDEWALL SUPPLY DIFFUSERS SERVING WEIGHT ROOM.
- 3 12x12 OUTSIDE AIR SUPPLY WITH MANUAL DAMPER. TIE OA DUCT INTO VERTICAL RETURN AIR DUCT. MANUAL BALANCING DAMPER IN RA & OA DUCTS TO BALANCE OA/RA RELATIONSHIP TO EQUIPMENT SCHEDULES.
- 4 FULL SIZE RETURN AIR DUCT OUT OF UNIT. 34x12 RETURN AIR DUCT WITH FLEX CONNECTION AT TAP. UP TO RETURN AIR GRILLE. BOTTOM OF RETURN AIR GRILLE SHALL MATCH BOTTOM HEIGHT OF SUPPLY AIR DIFFUSERS.
- 5 FULL SIZE CONDENSATE PIPE TO HUB DRAIN PROVIDED BY PLUMBING WITHIN MECH ROOM. INSULATE ALL HORIZONTAL RUNS AS SPECIFIED. SUPPORT PIPING OFF FLOOR AS SPECIFIED.
- 6 3" EMERGENCY DRAIN PAN WITH FLOAT SWITCH INTERLOCKED TO UNIT.
- 7 6" TALL BLOCKS WITH VIBRATION ISOLATORS. WOOD BLOCKS NOT ALLOWED.
- 8 4" HOUSEKEEPING PAD.
- 9 STACKED 32x30 PRICE 630DAL RETURN GRILLES. TAG 6
- 10 32" MINIMUM CLEAR FOR FILTER REPLACEMENT.

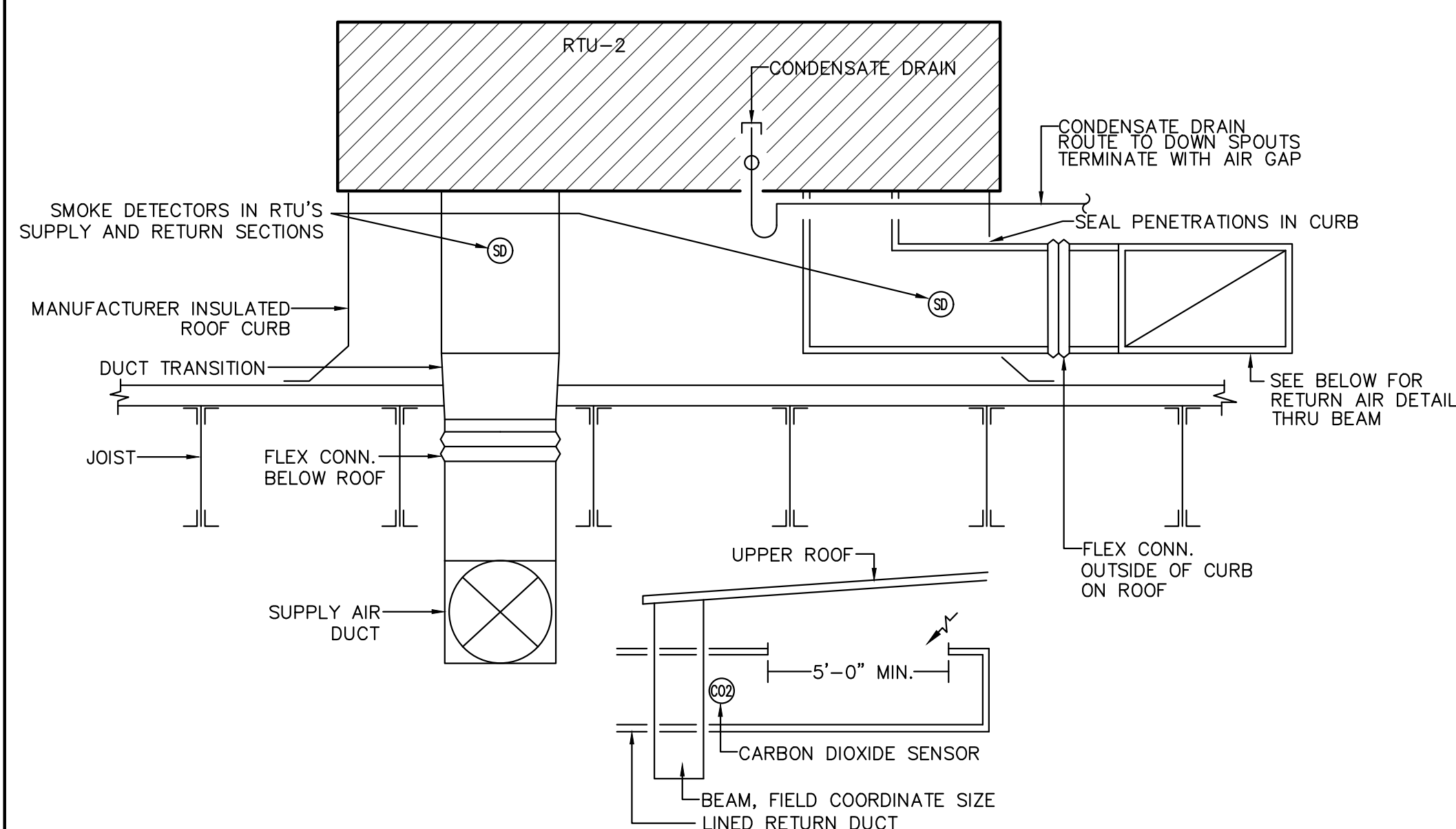


6 CEILING OUTLET DETAIL
SCALE: N.T.S.



7 TYPICAL AHU-1, 2 & 3 DETAIL
SCALE: N.T.S.

- 1 FULL SIZED SUPPLY AIR DUCT UP WITH FLEX CONNECTION AT CONNECTION TO UNIT, TRANSITION TO 12x12 AS REQUIRED.
- 2 80 OUTSIDE AIR SUPPLY WITH MANUAL DAMPER. TIE OA DUCT INTO RETURN AIR DUCT AS CLOSE TO THE RA GRILLE AS POSSIBLE. MANUAL BALANCING DAMPER IN RA & OA DUCTS TO BALANCE OA/RA RELATIONSHIP TO EQUIPMENT SCHEDULES. MANUAL BALANCING DAMPER SHALL BE UPSTREAM OF OA TAP IN RETURN DUCT.
- 3 FULL SIZE RETURN AIR PLENUM OUT OF UNIT.
- 4 16x14 RA UP TO RA GRILLE. PROVIDE FLEX CONNECTION AT TIE-IN OF FULL SIZED PLENUM OUT OF UNIT.
- 5 FULL SIZE CONDENSATE PIPE TO HUB DRAIN PROVIDED BY PLUMBING WITHIN MECH. ROOM. INSULATE ALL HORIZONTAL RUNS AS SPECIFIED. TERMINATE AT HUB DRAIN WITH 90 DEGREE ELBOW TURNED DOWN, PROVIDE INCH AIR GAP.
- 6 3" EMERGENCY DRAIN PAN WITH FLOAT SWITCH INTERLOCKED TO UNIT.
- 7 VIBRATION ISOLATORS WITHIN EMERGENCY PAN. COORDINATE WITH MANUFACTURER BEFORE ORDERING.
- 8 EQUIPMENT STAND.
- 9 4" HOUSEKEEPING PAD.

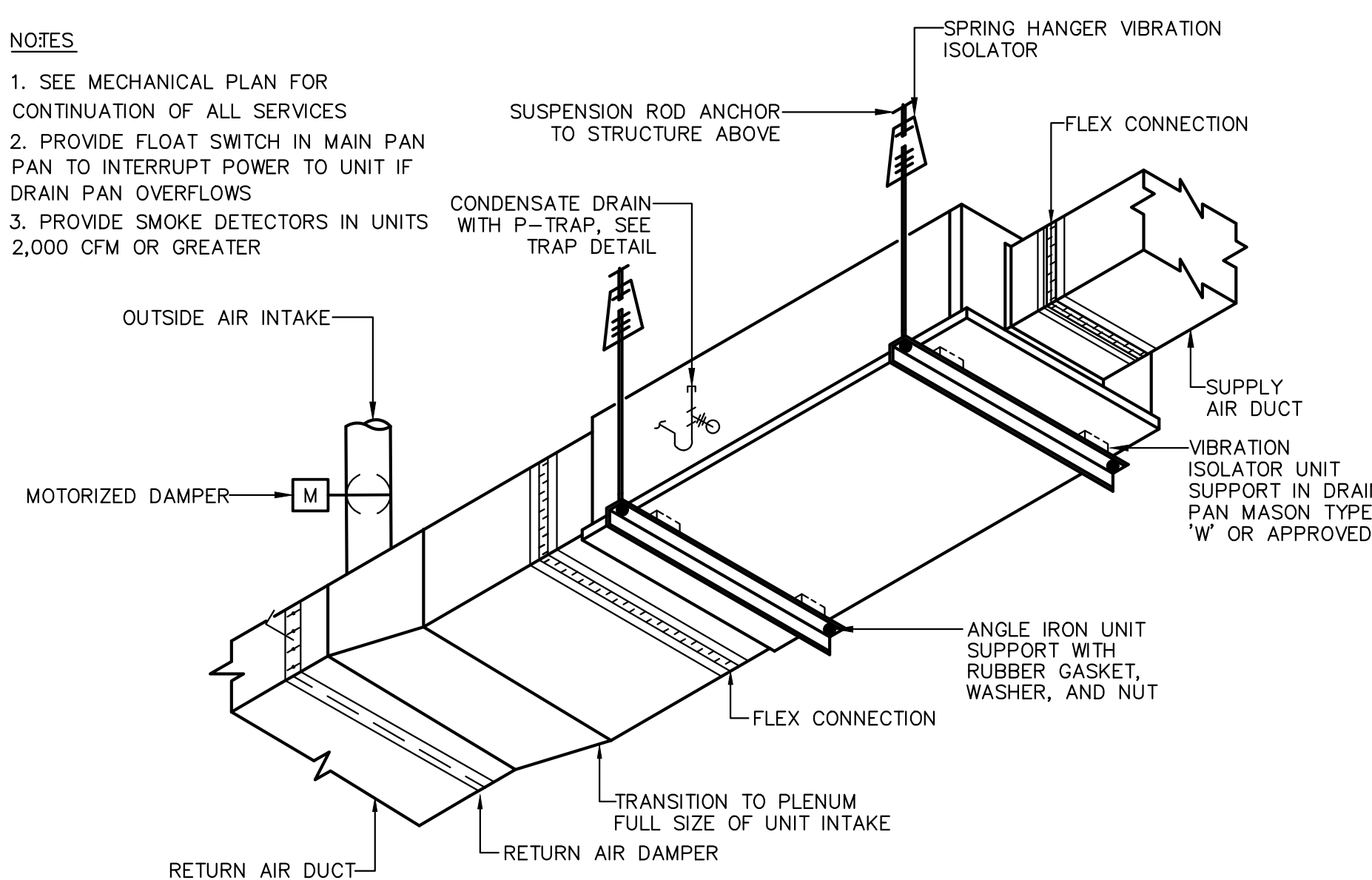


8 ROOFTOP UNIT DETAIL
SCALE: N.T.S.

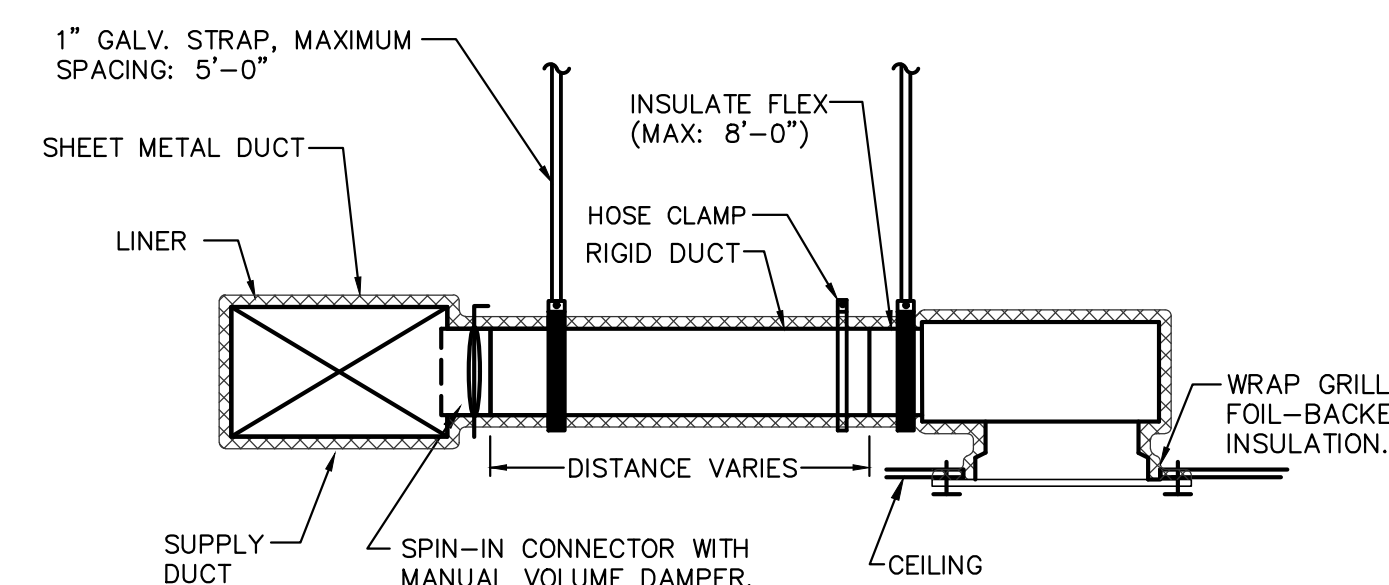
- NOTES:
1. COORDINATE WITH STRUCTURAL PLANS FOR OTHER DEPTHS.
 2. ALL ROOFTOP UNITS CONDENSATE IS ROUTED ON ROOF.

NOTES

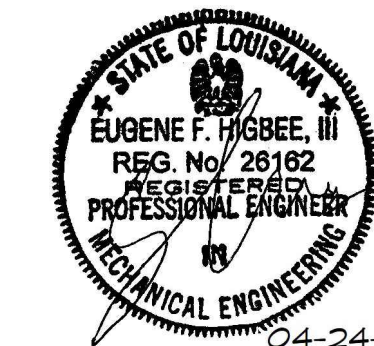
1. SEE MECHANICAL PLAN FOR CONTINUATION OF ALL SERVICES
2. PROVIDE FLOAT SWITCH IN MAIN PAN PAN TO INTERRUPT POWER TO UNIT IF DRAIN PAN OVERFLOWS
3. PROVIDE SMOKE DETECTORS IN UNITS 2,000 CFM OR GREATER



9 SUSPENDED HORIZONTAL AIR HANDLING UNIT DETAIL
SCALE: N.T.S.



10 LOW PROFILE CEILING OUTLET DETAIL
SCALE: N.T.S.



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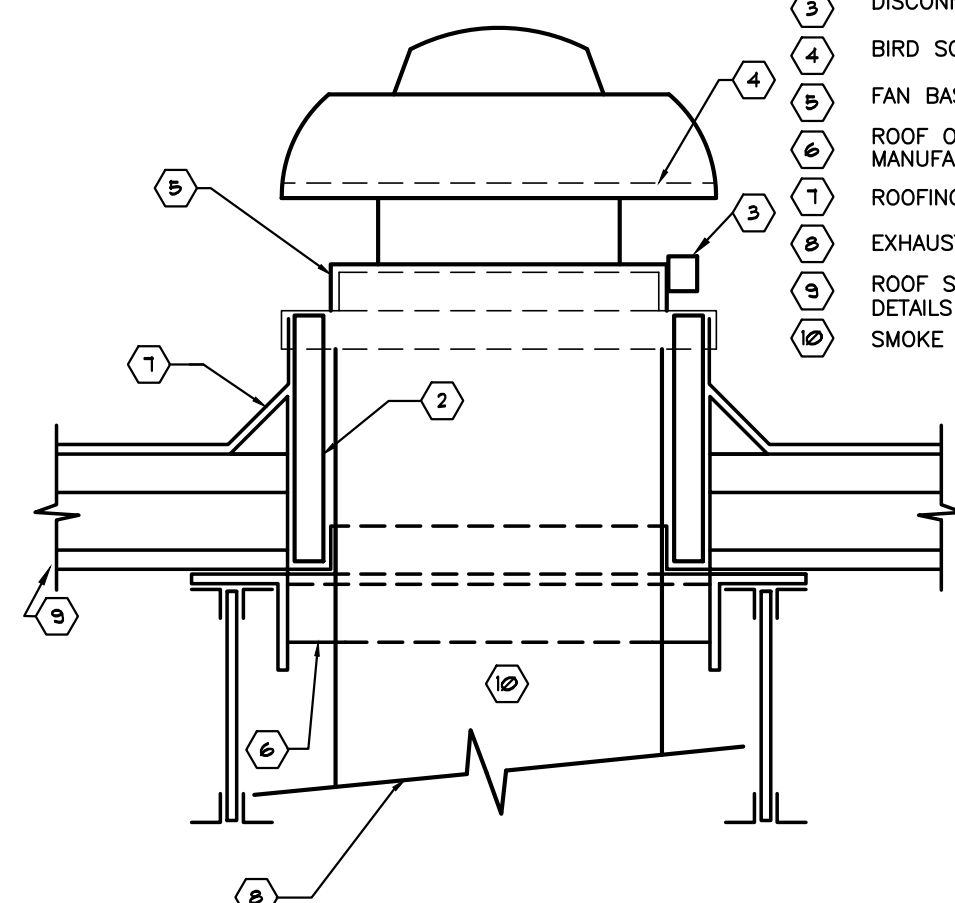
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M2.01

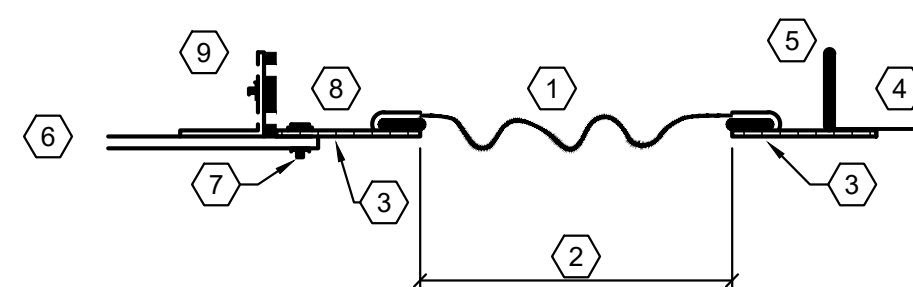
NOTES FOR EXHAUST FAN DETAIL

- 1 MOTOR DOME - ALUMINUM, REMOVABLE
- 2 CURB - STEEL, WELDED BY EQUIPMENT MANUFACTURER
- 3 DISCONNECT - WEATHER PROOF
- 4 BIRD SCREEN - ALUMINUM
- 5 FAN BASE - HEAVY GAUGE STEEL, ONE PIECE CONSTRUCTION, HINGED
- 6 ROOF OPENING - VERIFY WITH GENERAL CONTRACTOR AND MANUFACTURER'S SUBMITTALS FOR STRUCTURAL SUPPORTS.
- 7 ROOFING TO EXTEND UP TO TOP OF CURB AS SHOWN
- 8 EXHAUST DUCT
- 9 ROOF STRUCTURE - SEE ARCHITECTURAL AND STRUCTURAL PLANS FOR DETAILS
- 10 SMOKE DETECTOR WITHIN DUCT

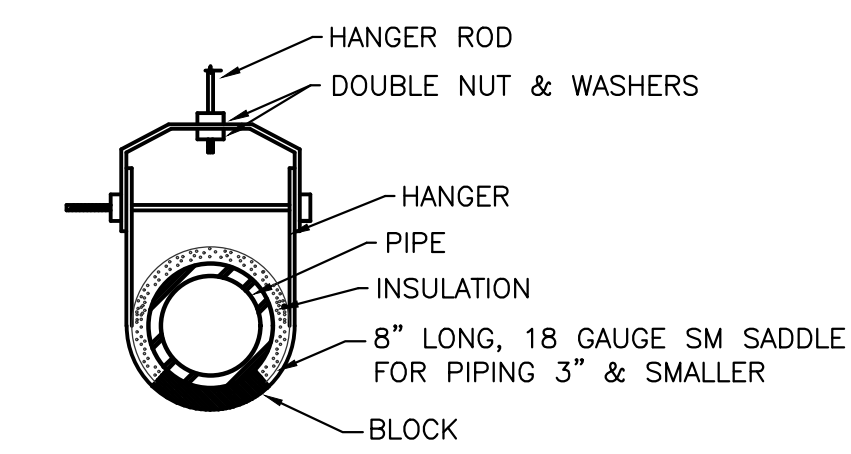


2 EXHAUST FAN DETAIL
SCALE: N.T.S.

- FLEXIBLE MATERIAL AS SPECIFIED
- 1 1-1/2" MIN. TO 3" MAX. INSTALLED, 6" NOMINAL
 - 2 SHEET METAL AS SPECIFIED FOR DUCTWORK
 - 3 DUCT
 - 4 1-1/2" POCKET SLIP
 - 5 FLANGED CONNECTION ON FAN SIDE
 - 6 WASHER
 - 7 BOLT ON 4" CENTERS
 - 8 ALTERNATE POSITION OF BOLT



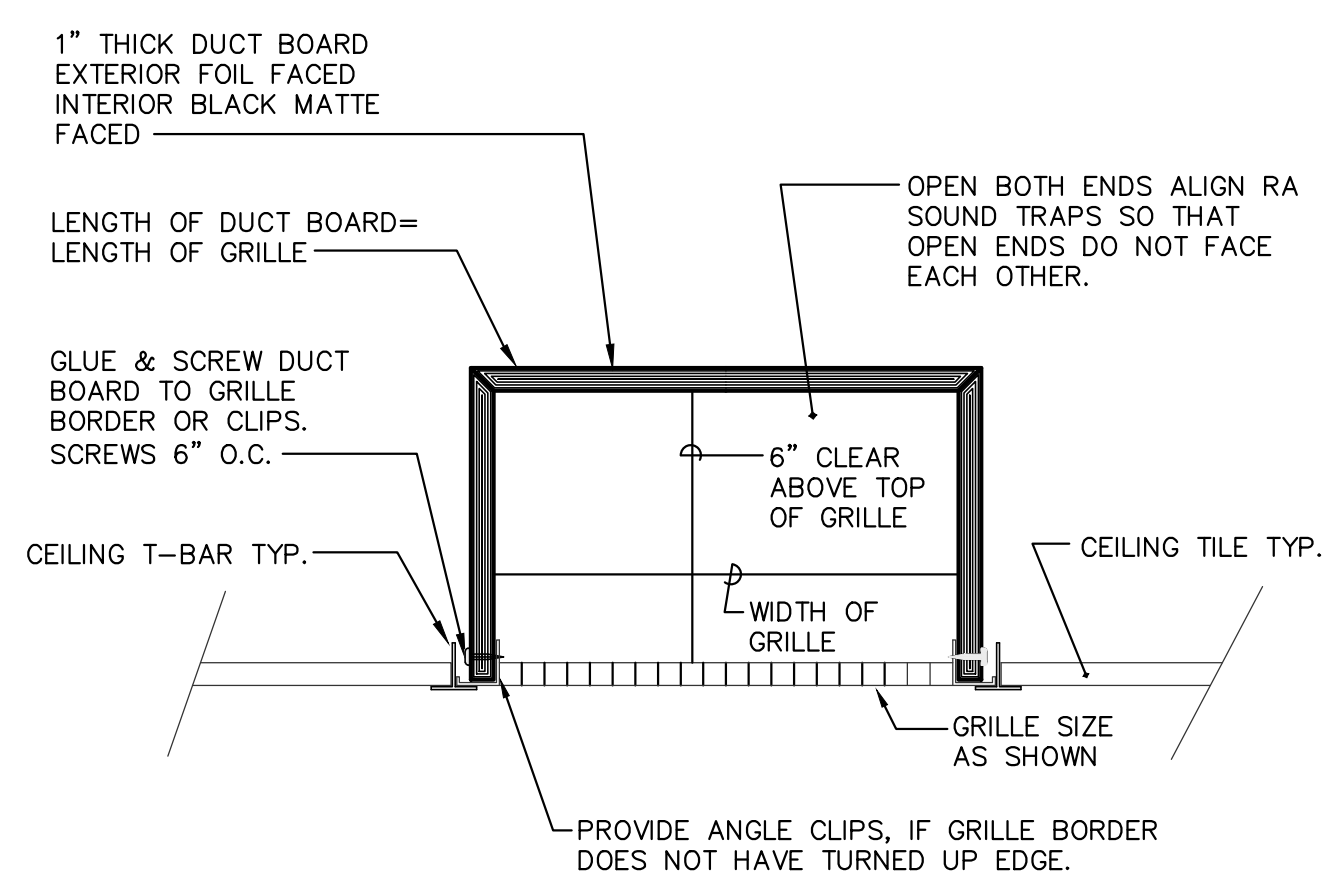
3 RECTANGULAR FLEX CONNECTION
SCALE: N.T.S.



FOR INSULATED PIPE

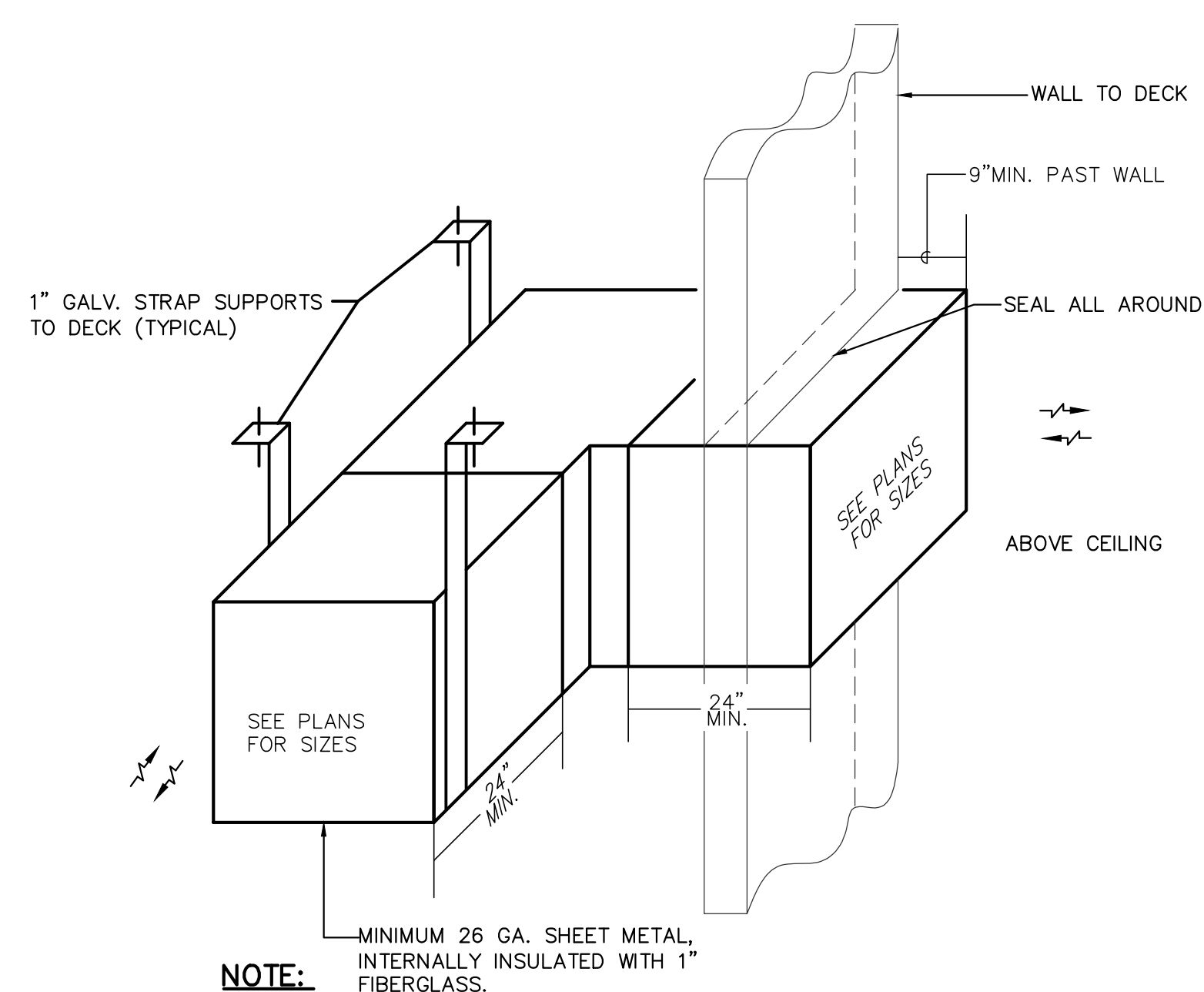
NOTE: TRAPEZE HANGERS ACCEPTABLE FOR MULTIPLE PIPE SUPPORTS.

4 PIPE HANGER DETAIL
SCALE: N.T.S.



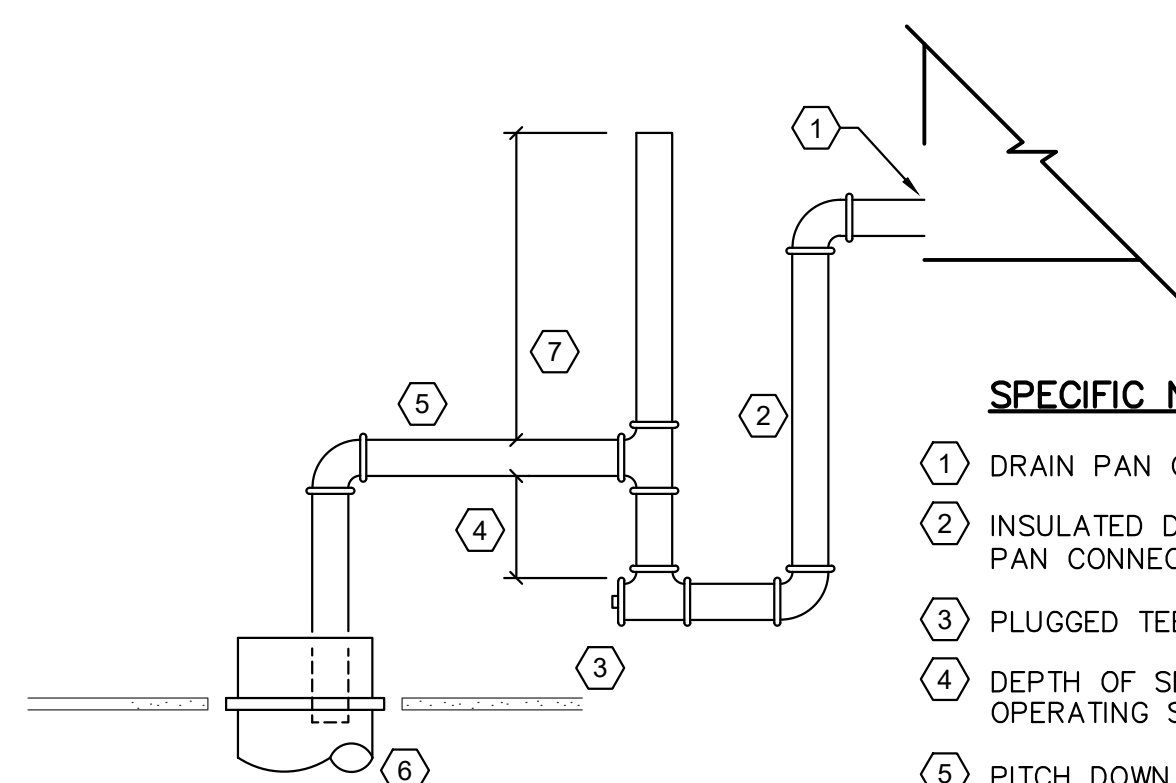
NOTE: APPLIES TO ALL R.A. GRILLES UNLESS NOTED OTHERWISE.

1 RETURN AIR SOUND TRAP DETAIL
SCALE: N.T.S.



NOTE:
1. COORDINATE EXACT LOCATION WITH OTHER TRADES.

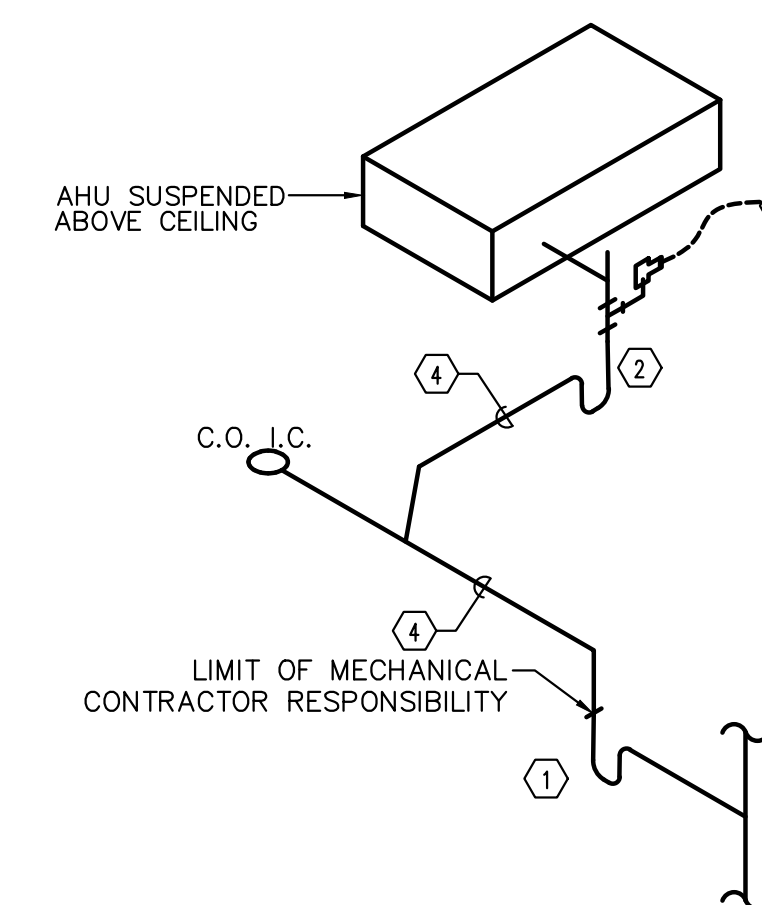
5 RETURN AIR SOUND TRAP TRANSFER DETAIL
SCALE: N.T.S.



SPECIFIC NOTES:

- 1 DRAIN PAN CONNECTION ON AHU.
- 2 INSULATED DRAIN LINE SAME SIZE AS DRAIN PAN CONNECTION BUT NOT LESS THAN 3/4".
- 3 PLUGGED TEE FOR CLEANOUT.
- 4 DEPTH OF SEAL AS REQUIRED TO OVERCOME OPERATING S.P. COORDINATE WITH MFR.
- 5 PITCH DOWN TOWARDS DRAIN.
- 6 HUB DRAIN, SEE PLUMBING.
- 7 2" ABOVE HIGHEST DRAIN CONNECTION.

6 RTU & AHU COOLING COIL CONDENSATE TRAP DETAIL
SCALE: N.T.S.



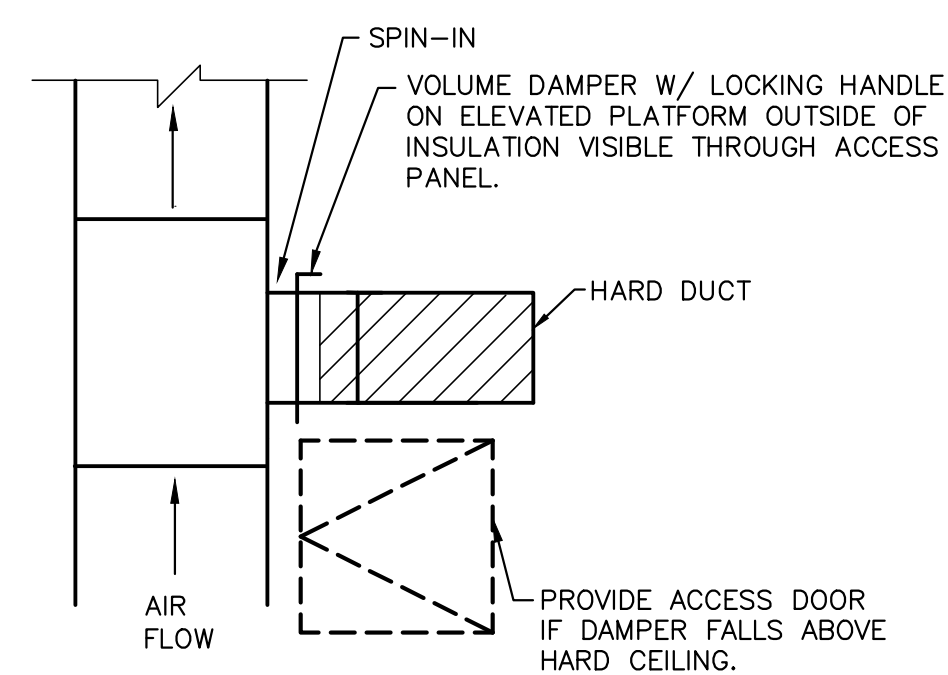
AHU CONDENSATE ABOVE CEILING

- 1 HUB DRAIN. HARD CONNECTION. INSULATE TRAP AND HORIZONTAL WASTE PIPING.
- 2 RUNNING TRAP. HARD CONNECTION WITH FULL SIZE RTU CONDENSATE DRAIN.
- 3 FLOW SWITCH SENSOR LOCATED IN CEILING, WITH CLEAN OUT TEE WITH REMOVABLE CAP.
- 4 FULL SIZE CONDENSATE PIPE. INSULATE WITH PLENUM RATED, ASTM E84 FIRE/SMOKE 25/50, AS SPECIFIED.

NOTES:

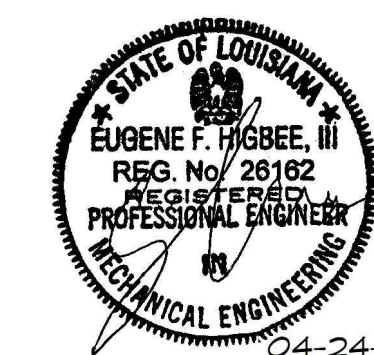
- 1. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING & ROUTING CONDENSATE PIPING TO HUB DRAINS.
- 2. PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL OTHER PIPING TO INCLUDE PROVIDING HUB DRAINS.
- 3. COORDINATE MECHANICAL CONDENSATE PIPING WITH PLUMBING CONTRACTOR.
- 4. ALL CONDENSATE PIPING IN HORIZONTAL SHALL BE INSULATED AS SPECIFIED.

7 CONDENSATE PIPING DETAIL
SCALE: N.T.S.



NOTE:
DETAIL APPLIES TO ALL SUPPLY, RETURN, EXHAUST AND OUTSIDE AIR DUCTS.

8 SPIN IN DETAIL
SCALE: N.T.S.



REVISION #	DESCRIPTION	DATE

TAG	SERVICE	AIRFLOW		UNIT COOLING CAPACITY				HOT GAS REHEAT			HEATING CAPACITY					IONIZER		ELECTRICAL		INSTALLLED WEIGHT (LBS)	CONDENSATE DRAIN SIZE (IN)	NOTES:					
		TOTAL CFM	O.A. CFM	HP	ESP (INWG)	EAT DB/WB (°F)	LAT DB/WB (°F)	NO. COMPRESSORS	NO. STAGES	EAT/LAT DEG F	MIN. CAPACITY (MBTUH)	NO. STAGES	HEAT PUMP		SUPPLEMENTARY ELECTRIC HEAT			V/PHHZ	MCA				MOP				
													EAT / LAT (°F)	AMBIENT (°F)	CAPACITY (MBTUH)	AT (°F)	NO. STAGES	CAPACITY (KW)	AIR MODEL				QT.			MODEL:	
RTU-1	STAIR 1	750	45	4	1/2	76.2/63.6	49.1/49.1	1	MOD	49.1/75	21.1	MOD	67.6/105	30	30.8	25.2	SCR	6.0	GPS	-	208/3/60	40.6	45	DAIKIN DPS003A	1,800	3/4	1-5, 8, 10
RTU-3	EAST MEZZANINE	1,370	115	4	1	76.7/64.1	50.4/50.4	1	MOD	50.4/75	36.57	MOD	62.9/98.8	30	53.9	13.8	SCR	6.0	GPS	-	208/3/60	47.4	50	DAIKIN DPS005A	1,800	3/4	1-6, 8, 10
RTU-5	STAIR 2	990	45	4	1/2	75.9/63.3	52/52	1	MOD	52/75	24.7	MOD	68.2/197.7	30	31.9	19.1	SCR	6.0	GPS	-	208/3/60	40.6	45	DAIKIN DPS003A	1,800	3/4	1-5, 8, 10
RTU-6	WEST MEZZANINE	2,155	255	4	1	74.6/62	51.8/51.7	1	MOD	51.8/75	54.2	MOD	70.6/94	30	55.0	8.8	SCR	6.0	GPS	-	208/3/60	47.4	50	DAIKIN DPS005A	1,800	3/4	1-5, 7, 8, 11

- NOTES:
1. PROVIDE SINGLE SOURCE POWER CONNECTION. LOW AMBIENT CONTROL FOR CONDENSER MOTOR, THROUGH THE BASE ELECTRICAL. MANUFACTURER PROVIDED VFD FOR BALANCING WITHIN THE UNIT AND TOOL-LESS HAIL GUARDS, EVAPORATOR ACCESS PANEL, CONTROL BOX ACCESS PANEL, COMPRESSOR ACCESS PANEL, FACTORY INSULATED 14" CURB (MINIMUM), 2" MERV 8 FILTERS, PHASE MONITORING AND STAINLESS STEEL DRAIN PAN.
 2. UNIT COOLING REFLECTS COIL DISCHARGE TEMPERATURE. EXTERNAL STATIC PRESSURE DOES NOT INCLUDE ANY INTERNAL PRESSURE LOSSES OR FILTER PRESSURE LOSSES. INTERNAL PRESSURE LOSSES SHALL INCLUDE LOADED-DIRTY FILTERS.
 3. PROVIDE UNIT WITH BI-POLAR IONIZATION AT QUANTITY SPECIFIED FOR UNIT. POWER SUPPLY VOLTAGE 120. PULL FEED FROM DOWN STREAM OF UNIT DISCONNECT SWITCH. COORDINATE VOLTAGE WITH ELECTRICAL BEFORE ORDERING.
 4. PROVIDE MOTORIZED OUTSIDE AIR DAMPERS.
 5. BELT DRIVEN FAN WITH ADJUSTABLE MOTOR SHEAVES AND IDLER-ARM ACCEPTABLE IN LIEU OF DIRECT DRIVE. VFD ACCESSORY REQUIRED FOR BALANCING.
 6. PROVIDE CO2 SENSOR. LOCATE WITHIN RETURN AIR DUCT & INTERLOCK TO MOTORIZED OUTSIDE AIR DAMPER. DAMPER TO MODULATE OPEN/CLOSED IN PROPORTION TO CO2 SENSOR. DAMPER SHALL CLOSE TO SEALED POSITION WHEN UNIT IS DEENERGIZED. CO2 SENSOR ACTIVATION LIMIT SHALL BE CALIBRATED BY TAKING OUTDOOR CO2 READINGS AVERAGE AND ADDING 400PPM.
 7. SMOKE DETECTORS SHALL BE PROVIDED & MOUNTED IN DUCT BY MECHANICAL CONTRACTOR.
 8. PROVIDE PROGRAMMABLE THERMOSTAT & HUMIDISTAT. FIELD COORDINATE THERMOSTAT & HUMIDISTAT LOCATIONS. THERMOSTATS & HUMIDISTATS SHALL NOT BE MOUNTED LESS THAN 48" A.F.F. & IN DIRECT SUNLIGHT.
 9. UNIT SHALL HAVE A SIDE DISCHARGE CONNECTION.
 10. UNIT SHALL HAVE A OUTSIDE AIR WEATHER HOOD.
 11. UNIT PROVIDED NEUTRAL OUTSIDE AIR FROM DOAS-1. SUMMER NEUTRAL AIR: 72°F D.B. / 52°F DEW POINT. WINTER NEUTRAL AIR: 75°F DB.

TAG	SERVICE	TOTAL AIRFLOW (CFM)	FAN W	UNIT COOLING CAPACITY				ELECTRICAL		MITSUBISHI MODEL	NOTES
				EAT DB/WB (DEG F)	LAT DB/WB (DEG F)	RATED (MBTUH)	NO. STAGES	V/PHHZ	MCA		
DX-1	118C DATA CLOSET	350	30	75/62.6	55/54	18.00	1	208/1/60	1	PKA-A18GAL	1-3

- NOTES:
1. UNIT COOLING CAPACITY LEAVING AIR TEMPERATURE (LAT) REFLECTS DX COIL DISCHARGE TEMPERATURE.
 2. POWER TO BE PROVIDED VIA CORRESPONDING CU. REFER TO CU SCHEDULE FOR REQUIREMENTS.
 3. UNIT TO BE WALL MOUNTED COOLING ONLY DX SPLIT SYSTEM WITH CONDENSING UNIT. PROVIDE ALL REQUIRED HANGING BRACKETS, VIBRATION ISOLATORS, ETC FOR WALL MOUNT INSTALLATION. T-STAT TO BE HARDWIRED.

TAG	SERVICE	CAPACITY (BTUH)	REFRIG.	AMBIENT AIR TEMP (DEG F)	ELECTRICAL			MITSUBISHI MODEL	NOTES
					V/PHHZ	MCA	MOP		
CU-1	DX-1	18,000	R-410A	95	208/1/60	13	20	FLY-A18NH3-BS	1-3

- NOTES:
1. PROVIDE LOW AMBIENT COOLING KIT FOR OPERATION DOWN TO 30°F AND FACTORY INSTALLED HAIL GUARD.
 2. REFRIGERANT PIPING SHALL BE SIZED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
 3. OUTDOOR UNIT (CU) POWER REQUIREMENTS INCLUDE POWER FOR INDOOR UNIT (AHU). ELECTRICAL TO ROUTE CONDUIT FROM TERMINAL BLOCKS AT CU TO ELECTRICAL PROVIDED DISCONNECT SWITCH AT AHU.

TAG	SERVICE	AIRFLOW		DISCHARGE ORIENTATION	RETURN AIR ORIENTATION	FAN		COOLING			HEATING			ELECTRICAL					UNIT WEIGHT (LBS)	CONDENSATE DRAIN SIZE (IN)	NOTES			
		TOTAL CFM	O.A. CFM			HP	ESP (IN.W.G.)	EAT (DB/WB) (°F)	LAT (DB/WB) (°F)	NO. STAGES	EAT / LAT (°F)	AMBIENT (°F)	CAPACITY (BTUH)	MODEL	QT.	V/PHHZ	MCA	MOP				FLA	DAIKIN MODEL	
AHU-1	1ST FLOOR	1,630	1,260	VERTICAL	TOP	BOTTOM	1	1/2	75/62.4	55/54	-	73.87/85	30	20.472	-	-	208/1/60	8.6	15	6.9	DAIKIN DMV/E90	220	3/4	1-5, 8, 10
AHU-2	1ST FLOOR	2,080	725	VERTICAL	TOP	BOTTOM	3/4	1/2	75/62.4	55/54	-	71.74/85	30	30.708	-	-	208/1/60	9	15	6.8	DAIKIN TEB50C090	220	3/4	1-5, 8, 10
AHU-3	1ST FLOOR	680	120	VERTICAL	TOP	BOTTOM	1/2	1/2	75/62.4	55/54	-	70.88/85	30	11.942	GPS	-	208/1/60	4.9	15	3.9	DAIKIN DPVE24	150	3/4	1-3, 5, 6, 8, 10
AHU-4	1ST FLOOR	6,735	770	VERTICAL	TOP	BOTTOM	5	1	74.6/62	53.63/52.84	2	70.5/85	30	112.596	PLASMA AIR	-	208/3/60	19	30	15.1	TRANE TWE190	1,100	1	1-6, 8, 10
AHU-5	1ST FLOOR	750	205	HORIZONTAL	FRONT	REAR	-	4/5	74.2/61.7	55/54	-	71.4/85	30	11.942	GPS	-	208/1/60	2.3	15	1.84	DAIKIN FBQ30	120	1	1-3, 5, 6, 9, 10
AHU-6	1ST FLOOR	475	100	HORIZONTAL	FRONT	REAR	-	4/5	74.6/62	55/54	-	70.48/85	30	10.236	GPS	-	208/1/60	-	-	1.22	DAIKIN FDMQ18	120	1	1-3, 5, 6, 9, 10
AHU-7	1ST FLOOR	620	45	HORIZONTAL	FRONT	REAR	-	4/5	74.8/62.2	55/54	-	70.3/85	30	10.236	GPS	-	230/1/60	1.8	15	1.44	DAIKIN FBQ24	120	1	1-3, 5, 6, 9, 10
AHU-8	2ND FLOOR	1,165	115	HORIZONTAL	FRONT	REAR	-	4/5	77/64.4	55/54	-	66.5/85	30	23.884	GPS	-	208/1/60	3.4	15	2.72	DAIKIN FBQ48	150	1	1-3, 5, 6, 7, 9, 10
AHU-9	2ND FLOOR	1,165	475	HORIZONTAL	FRONT	REAR	-	4/5	73.8/61.4	55/54	-	72/85	30	17.060	-	-	208/1/60	3.4	15	2.72	DAIKIN FBQ48	150	1	1-3, 5, 8, 9, 10

- NOTES:
1. UNIT COOLING REFLECTS UNIT DISCHARGE TEMPERATURE. ADJUST COIL CAPACITY AS REQUIRED TO ACCOUNT FOR INTERNAL GAIN.
 2. EXTERNAL STATIC PRESSURE DOES NOT INCLUDE ANY INTERNAL PRESSURE LOSSES OR FILTER PRESSURE LOSSES. INTERNAL PRESSURE DROPS SHALL INCLUDE LOADED FILTERS.
 3. PROVIDE FLOAT SWITCH IN PRIMARY PAN. INTERLOCK TO FAN.
 4. SMOKE DETECTORS SHALL BE MOUNTED IN DUCT BY MECHANICAL & PROVIDED/INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE INSTALLATION OF DETECTORS. DETECTORS SHALL BE LOCATED WITHIN DUCT AT UNIT INLET & OUTLET.
 5. PROVIDE SINGLE POINT POWER CONNECTION.
 6. PROVIDE BI-POLAR IONIZATION AT QUANTITY SPECIFIED FOR EACH UNIT. POWER SUPPLY VOLTAGE 120. PULL FEED FROM DOWN STREAM OF EACH AHU DISCONNECT SWITCH. O.A. CFM INDICATED IS WITH IONIZER. INSTALL IONIZER IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 7. PROVIDE CO2 SENSOR. LOCATE WITHIN RETURN AIR DUCT & INTERLOCK TO MOTORIZED OUTSIDE AIR DAMPER. DAMPER TO MODULATE OPEN/CLOSED IN PROPORTION TO CO2 SENSOR. DAMPER SHALL CLOSE TO SEALED POSITION WHEN UNIT IS DEENERGIZED. CO2 SENSOR ACTIVATION LIMIT SHALL BE CALIBRATED BY TAKING OUTDOOR CO2 READINGS AVERAGE AND ADDING 400PPM.
 8. UNIT PROVIDED NEUTRAL OUTSIDE AIR FROM DOAS-1. SUMMER NEUTRAL AIR: 72°F D.B. / 52°F DEW POINT. WINTER NEUTRAL AIR: 75°F DB.
 9. HORIZONTAL UNIT MOUNTED ABOVE CEILING SHALL NOT BE TALLER THAN 14".
 10. UNIT SHALL BE BACNH READER CAPABLE.

TAG	SERVICE	COOLING		HEATING		ELECTRICAL					UNIT WEIGHT (LBS)	CONDENSATE DRAIN SIZE (IN)	NOTES
		CAPACITY (MBTUH)	AMBIENT AIR TEMP (°F)	CAPACITY (MBTUH)	AMBIENT AIR TEMP (°F)	REFRIG.	V / PH / HZ	MCA	MOP	DAIKIN MODEL			
HP-1	AHU-1	53	95	54.5	30	R-410A	208/1/60	36.2	40	DAIKIN DZ6V/S46010	220	3/4	1-4
HP-2	AHU-2	52.7	95	54.5	30	R-410A	208/3/60	22	35	TRANE 4TWA706	350	1-4	1-4
HP-3	AHU-3	22.2	95	23.2	30	R-410A	208/1/60	18.8	20	DAIKIN DZ6V/S42410	175	1-4	1-4
HP-4	AHU-4	240	95	112.596	30	R-410A	208/3/60	65	80	TRANE TWA180	950	1-4	1-4
HP-5	AHU-5	30	95	34	30	R-410A	208/1/60	29.1	35	DAIKIN RZ030	250	1-4	1-4
HP-6	AHU-6	17.6	95	14.6	17	R-410A	208/1/60	19.5	20	DAIKIN RXL18	150	1-5	1-5
HP-7	AHU-7	24	95	27	30	R-410A	230/1/60	16.5	20	DAIKIN RZ024	200	1-4	1-4
HP-8	AHU-8	48	95	54	30	R-410A	208/1/60	29.1	35	DAIKIN RZ048	250	1-4	1-4
HP-9	AHU-9	48	95	54	30	R-410A	208/1/60	29.1	35	DAIKIN RZ048	250	1-4	1-4

- NOTES:
1. PROVIDE LOW AMBIENT CONTROL DOWN TO 0 DEGREES F.
 2. PROVIDE HAIL GUARDS & ANTI SHORT CYCLE TIMERS.
 3. UNIT IS COOLING ONLY. PROVIDE COOLING STAGES AS INDICATED WITH FIRST CIRCUIT DIGITAL SCROLL COMPRESSOR.
 4. REFRIGERANT PIPING SHALL BE SIZED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
 5. MCA & MOP INDICATED IS FOR SYSTEM.

TAG	SERVICE	AIRFLOW		DISCHARGE TYPE	UNIT COOLING CAPACITY				HEATING			ELECTRICAL					CONDENSATE DRAIN SIZE (IN)	NOTES:					
		TOTAL CFM	HP		ESP (IN.W.G.)	EAT DB/WB (°F)	LAT DB/WB (°F)	COMPRESSOR NO. STAGES	CAPACITY (MBTUH)	EAT / LAT (°F)	NO. STAGES	CAPACITY (MBTUH)	EAT / LAT (°F)	NO. STAGES	V/PHHZ	MCA			MOP	FLA	MODEL:		
DOAS-1	AHU: 1, 2, 3, 4, 5, 6, 7, 9, RTU-6	THRU CURB	3,955	4.3	1/12	391.86	95/80	51.7/51.7	DIGITAL SCROLL	60	30	78	SCR	86.9	51.7/75	MOD	208/3/60	176	200	DAIKIN DPSA034	6,350	3/4	1-7

- NOTES:
1. EXTERNAL STATIC PRESSURE DOES NOT INCLUDE ANY INTERNAL PRESSURE LOSSES OR FILTER PRESSURE LOSSES. INTERNAL PRESSURE DROPS SHALL INCLUDE LOADED FILTERS.
 2. PROVIDE SINGLE POINT POWER CONNECTION AND INTEGRAL DISCONNECT. MCA & MOP INDICATED REPRESENTS TOTAL FOR PACKAGE UNIT. UNIT SHALL PROVIDE CONSTANT AIR VOLUME. PROVIDE INTEGRAL 2-POSITION MOTORIZED DAMPER AT O.A. INTAKE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 3. SMOKE DETECTORS SHALL BE MOUNTED IN SUPPLY AIR DUCTS BY MECHANICAL AND PROVIDED BY ELECTRICAL. COORDINATE INSTALLATION OF DETECTORS. DETECTORS SHALL BE LOCATED AS SHOWN ON THE PLANS.
 4. UNIT COOLING CAPACITY LEAVING AIR TEMPERATURE (LAT) REFLECTS COOLING COIL DISCHARGE AIR TEMPERATURE. ADJUST COIL CAPACITY AS REQUIRED FOR INTERNAL GAINS. USING DX REHEAT, UNIT SHALL CONTROL TO DELIVER NEUTRAL AIR (UNIT LAT OF 72°F DB / 52°F DEW POINT SUMMER; 75°F WINTER).
 5. UNIT SHALL HAVE SS COIL CASINGS, SS COIL SUPPORTS, SS PRIMARY AND SECONDARY DRAIN PANS.
 6. AMBIENT CONDITIONS, 95.
 7. PROVIDE THROUGH THE BASE ELECTRICAL CONNECTIONS.

TAG	SERVICE	AIRFLOW		UNIT COOLING CAPACITY				HOT GAS REHEAT			HEATING CAPACITY					IONIZER		ELECTRICAL		INSTALLLED WEIGHT (LBS)	CONDENSATE DRAIN SIZE (IN)	NOTES:		
		TOTAL CFM	O.A. CFM	HP	ESP (INWG)	EAT DB/WB (°F)	LAT DB/WB (°F)	NO. COMPRESSORS	NO. STAGES	EAT/LAT DEG F	MIN. CAPACITY (MBTUH)	NO. STAGES	ELECTRIC HEAT		SUPPLEMENTARY ELECTRIC HEAT			V/PHHZ	MCA				MOP	
													EAT / LAT (°F)	AMBIENT (°F)	CAPACITY (MBTUH)	AT (°F)	NO. STAGES	CAPACITY (KW)	AIR MODEL				QT.	
RTU-2	GYM	10,000	1770	5	1	78.5/65.9	51.2/50.5	4	-	51.2/75	275.5	MOD	62.9/85	30	72.0	GPS	-	208/3/60	220.3	250	DAIKIN MFS040F	5,012	1	1-10
RTU-4	GYM	10,000	1770	5	1	78.5/65.9	51.2/50.5	4	-	51.2/75	275.5	MOD	62.9/85	30	72.0	GPS	-	208/3/60	220.3	250	DAIKIN MFS040F	5,012	1	1-10

- NOTES:
1. PROVIDE SINGLE SOURCE POWER CONNECTION. LOW AMBIENT CONTROL FOR CONDENSER MOTOR, THROUGH THE BASE ELECTRICAL. MANUFACTURER PROVIDED VFD FOR BALANCING WITHIN THE UNIT AND TOOL-LESS HAIL GUARDS, EVAPORATOR ACCESS PANEL, CONTROL BOX ACCESS PANEL, COMPRESSOR ACCESS PANEL, FACTORY INSULATED 14" CURB (MINIMUM), 2" MERV 8 FILTERS, PHASE MONITORING AND STAINLESS STEEL DRAIN PAN.
 2. UNIT COOLING REFLECTS COIL DISCHARGE TEMPERATURE. EXTERNAL STATIC PRESSURE DOES NOT INCLUDE ANY INTERNAL PRESSURE LOSSES OR FILTER PRESSURE LOSSES. INTERNAL PRESSURE LOSSES SHALL INCLUDE LOADED-DIRTY FILTERS.
 3. PROVIDE UNIT WITH BI-POLAR IONIZATION AT QUANTITY SPECIFIED FOR UNIT. POWER SUPPLY VOLTAGE 120. PULL FEED FROM DOWN STREAM OF UNIT DISCONNECT SWITCH. COORDINATE VOLTAGE WITH ELECTRICAL BEFORE ORDERING.
 4. PROVIDE MOTORIZED OUTSIDE AIR DAMPERS.
 5. BELT DRIVEN FAN WITH ADJUSTABLE MOTOR SHEAVES AND IDLER-ARM ACCEPTABLE IN LIEU OF DIRECT DRIVE. VFD ACCESSORY REQUIRED FOR BALANCING.
 6. PROVIDE CO2 SENSOR. LOCATE WITHIN RETURN AIR DUCT & INTERLOCK TO MOTORIZED OUTSIDE AIR DAMPER. DAMPER TO MODULATE OPEN/CLOSED IN PROPORTION TO CO2 SENSOR. DAMPER SHALL CLOSE TO SEALED POSITION WHEN UNIT IS DEENERGIZED. CO2 SENSOR ACTIVATION LIMIT SHALL BE CALIBRATED BY TAKING OUTDOOR CO2 READINGS AVERAGE AND ADDING 400PPM.
 7. SMOKE DETECTORS SHALL BE PROVIDED & MOUNTED IN DUCT BY MECHANICAL CONTRACTOR.
 8. PROVIDE PROGRAMMABLE THERMOSTAT & HUMIDISTAT. FIELD COORDINATE THERMOSTAT & HUMIDISTAT LOCATIONS. THERMOSTATS & HUMIDISTATS SHALL NOT BE MOUNTED LESS THAN 48" A.F.F. & IN DIRECT SUNLIGHT.
 9. UNIT SHALL HAVE A SIDE DISCHARGE CONNECTION.
 10. UNIT SHALL HAVE A OUTSIDE AIR WEATHER HOOD.
 11. UNIT PROVIDED NEUTRAL OUTSIDE AIR FROM DOAS-1. SUMMER NEUTRAL AIR: 72°F D.B. / 52°F DEW POINT. WINTER NEUTRAL AIR: 75°F DB.

TAG	SERVICE	LEVEL	MOUNTING TYPE	FAN				MAX ONS	CONTROL	ELECTRICAL			MODEL:	NOTES:
				TOTAL CFM	HP / W	ESP (INWG)	MAX RPM			V / PH / HZ	NEC FLA	NEC FCA		
EF-1	105 WOMEN'S RR	1ST FLOOR	INLINE	450	162W	0.375	1,600	0.8	CONTINUOUS - BMS	120/1/60	3.3	GREENHECK CSP-A780	1	
EF-2	106 MEN'S RR	1ST FLOOR	INLINE	500	162W	0.375	1,600	0.8	CONTINUOUS - BMS	120/1/60	3.3	GREENHECK CSP-A780	1	
EF-3	103 JANITOR CLOSET	1ST FLOOR	CEILING											

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(504) 523-2772
www.trapolinpeer.com

CONTRACTOR: Woodward Design+Build
1100 South Norman C. Francis Parkway
New Orleans, LA 70125
(504)

REVISION #	DESCRIPTION	DATE
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PROJECT NUMBER: CN21101
ISSUE DATE: 05/26/23

PLUMBING LEGEND AND NOTES

P0.01

PLUMBING SYMBOL LEGEND	
MARK	DESCRIPTION
	SOIL AND WASTE
	STORM DRAIN
	SANITARY VENT
	DOMESTIC COLD WATER (CW)
	DOMESTIC HOT WATER (HW)
	DOMESTIC HOT WATER RECIRC (HWR)
	EXISTING PIPING
	EXISTING PIPING TO BE REMOVED
	LIMIT OF DEMOLITION
	POINT OF CONNECTION (NEW TO OLD)
	FLOOR DRAIN (F.D.)
	CLEANOUT (C.O.)
	IN OR ABOVE FINISHED CEILING (IC)
	UNDERGROUND (U/G)
	WALL CLEAN OUT
	BALL VALVE
	BALANCING VALVE
	SOLENOID/CONTROL VALVE

STANDARD FIRE PROTECTION LEGEND	
MARK	DESCRIPTION
	CONCEALED, RECESSED, PENDANT SPRINKLER HEAD
	SIDEWALL SPRINKLER HEAD, EXTENDED COVERAGE
	UPRIGHT SPRINKLER HEAD, EXPOSED
	SPRINKLER PIPING
	ORDINARY HAZARD, GROUP 1
	ORDINARY HAZARD, GROUP 2

STANDARD NOTE SYMBOL LEGEND	
MARK	DESCRIPTION
	FLOOR PLAN AND DETAIL: "X" DENOTES PLAN AND DETAIL NUMBER
	SECTION: "X" DENOTES SECTION ALPHA "Y" DENOTES SHEET SECTION IS DRAWN ON
	DETAIL: "X" DENOTES DETAIL NUMBER "Y" DENOTES SHEET DETAIL IS DRAWN ON
	DETAIL/SECTION REFERENCE: "X" DENOTES DETAIL/SECTION NUMBER OR ALPHA "Y" DENOTES SHEET DETAIL/SECTION IS REFERENCED FROM "Z" DENOTES SHEET DETAIL/SECTION IS DRAWN ON
	ENLARGED REFERENCE: "X" DENOTES DETAIL NUMBER "Y" DENOTES SHEET DETAIL IS DRAWN ON

WALL, ROOF HYDRANT SCHEDULE				
TAG	LOCATION	TYPE	MODEL	NOTES
WH-1	EXTERIOR	COLD	ZURN Z1330XL - CL - 34EL	1
WH-2	EXTERIOR	COLD	ZURN Z1330XL - CL - 34EL	1
WH-3	EXTERIOR	COLD	ZURN Z1330XL - CL - 34EL	1
RH-1	ROOF	FREEZELESS	WOODFORD SRH-MS	1, 2
RH-2	ROOF	FREEZELESS	WOODFORD SRH-MS	1, 2

- NOTES:
- CONTRACTOR SHALL PROVIDE THE MODEL INDICATED OR EQUIVALENT. MEETINGS ALL REQUIREMENTS LISTED TO INCLUDE ACCESSORIES ON MODEL NUMBER PROVIDED. ALL WALL HYDRANTS SHALL HAVE LOCKING HINGED COVERS.
 - FREEZELESS ROOF HYDRANT SHALL NOT REQUIRE A DRAIN LINE. ORDER MOUNTING SYSTEM AS REQUIRED.

PLUMBING FIXTURE SCHEDULE					
TAG	DESCRIPTION	ROUGH IN REQUIREMENTS (INCHES NOMINAL PIPE SIZE)			
		WASTE	VENT	CW	HW/ NOTES
P1	WATER CLOSET - WALL CARRIER MOUNTED, FLUSH VALVE, 15" RIM HEIGHT FIXTURE: "AMERICAN STANDARD" MODEL 2257 101, AFWALL, MILLENIUM FLOWISE, ELONGATED BOWL, 1.28 GPF, VITREOUS CHINA, WHITE SEAT: PROFLO MODEL PF250P2000WH, ELONGATED, OPEN FRONT, LESS COVER, SSC HINGE, WHITE FLUSH VALVE: "AMERICAN STANDARD" MODEL 6047 121 002, MANUAL, PISTON TYPE CARRIER: 500 LBS MAXIMUM STATIC LOAD, FLOOR MOUNTED COMPACT FIXTURE SUPPORTS, ADJUSTABLE HEIGHT, SEE PLUMBING PLANS FOR VERTICAL/HORIZONTAL OUTLET CONFIGURATION. SEE ARCHITECTURAL FOR FIXTURE HEIGHT AFF. ZURN MODEL OR EQUIVALENT.	4	4		6
PA	WATER CLOSET - WALL CARRIER MOUNTED, FLUSH VALVE, 15" RIM HEIGHT, ADA COMPLIANT FIXTURE: "AMERICAN STANDARD" MODEL 2257 101, AFWALL, MILLENIUM FLOWISE, ELONGATED BOWL, 1.28 GPF, VITREOUS CHINA, WHITE SEAT: PROFLO MODEL PF250P2000WH, ELONGATED, OPEN FRONT, LESS COVER, SSC HINGE, WHITE FLUSH VALVE: "AMERICAN STANDARD" MODEL 6047 121 002, MANUAL, PISTON TYPE CARRIER: 500 LBS MAXIMUM STATIC LOAD, FLOOR MOUNTED COMPACT FIXTURE SUPPORTS, ADJUSTABLE HEIGHT, SEE PLUMBING PLANS FOR VERTICAL/HORIZONTAL OUTLET CONFIGURATION. SEE ARCHITECTURAL FOR FIXTURE HEIGHT AFF. ZURN MODEL OR EQUIVALENT.	4	4		6
P1B	WATER CLOSET - FLOOR MOUNTED ADA COMPLIANT FIXTURE: "KOHLER" MODEL K-3493-SS, TWO-PIECE ANTIMICROBIAL, ELONGATED BOWL, 1.6 GPF, VITREOUS CHINA, WHITE SEAT: PROFLO MODEL PF250P2000WH, ELONGATED, OPEN FRONT, LESS COVER, SSC HINGE, WHITE FLUSH VALVE: AMERICAN STANDARD MODEL 6047 121 002, MANUAL, FLUSH VALVE 1.6 GPF	4	4		1, NA
P2A	WASH BASIN FIXTURE: BRADLEY LVAD1 SUPPLIES: BRADLEY S53-3700, BRUSHED BRONZE FINISH DRAIN: MCGUIRE MODEL 155A CHROME PLATED BRASS, OPEN GRD STRAINER STOPS: "MCGUIRE" MODEL BV09, QUARTER TURN, CHROME PLATED BRASS WITH "MAINLINE" MODEL MLB112AF BRAIDED STAINLESS STEEL HOSE CONNECTOR AND WALL ESCUTCHEON PLATE TRAP: MCGUIRE MODEL 8902 CHROME PLATED BRASS, 1-1/2" X 2" CARRIER: MANUFACTURER RECOMMENDED INSULATION KIT: PROFLO MODEL PF202WH			1/2	1/2
P2B	WASH BASIN FIXTURE: BRADLEY LVAD2 SUPPLIES: BRADLEY S53-3700, BRUSHED BRONZE FINISH DRAIN: MCGUIRE MODEL 155A CHROME PLATED BRASS, OPEN GRD STRAINER STOPS: "MCGUIRE" MODEL BV09, QUARTER TURN, CHROME PLATED BRASS WITH "MAINLINE" MODEL MLB112AF BRAIDED STAINLESS STEEL HOSE CONNECTOR AND WALL ESCUTCHEON PLATE TRAP: MCGUIRE MODEL 8902 CHROME PLATED BRASS, 1-1/2" X 2" CARRIER: MANUFACTURER RECOMMENDED INSULATION KIT: PROFLO MODEL PF202WH			1/2	1/2
P2C	WASH BASIN FIXTURE: BRADLEY LVAD3 SUPPLIES: BRADLEY S53-3700, BRUSHED BRONZE FINISH DRAIN: MCGUIRE MODEL 155A CHROME PLATED BRASS, OPEN GRD STRAINER STOPS: "MCGUIRE" MODEL BV09, QUARTER TURN, CHROME PLATED BRASS WITH "MAINLINE" MODEL MLB112AF BRAIDED STAINLESS STEEL HOSE CONNECTOR AND WALL ESCUTCHEON PLATE TRAP: MCGUIRE MODEL 8902 CHROME PLATED BRASS, 1-1/2" X 2" CARRIER: MANUFACTURER RECOMMENDED INSULATION KIT: PROFLO MODEL PF202WH			1/2	1/2
P3	URINAL - ADA COMPLIANT FIXTURE: ZURN Z5755-U FLUSH VALVE: ZURN Z6203 CARRIER: WATTS CA-311	2	2	3/4	NA
P4	SHOWER - PRE-FABRICATED ROLL-IN SHOWER BASE FIXTURE: "BEST BATH" MODEL P636B5T, 36"X36" WHITE BARRIER FREE SHOWER PAN, CENTER DRAIN SHOWER HEAD: 2.5 GPM HEAVY DUTY, HAND HELD SHOWER HEAD ASSEMBLY WITH 24" SLIDE BAR AND 60" FLEX HOSE MIXING VALVE: A CORN 410B SERIES DRAIN: SELF-CALLING, BRASS DRAIN WITH CHROME PLATED STRAINER, 2" OUTLET TRAP: 2" P-TRAP			1/2	1/2
PA	SHOWER - PRE-FABRICATED ROLL-IN SHOWER BASE - ADA COMPLIANT FIXTURE: "BEST BATH" MODEL P636B75B, 60"X36" WHITE BARRIER FREE SHOWER PAN, CENTER DRAIN SHOWER HEAD: 2.5 GPM HEAVY DUTY, HAND HELD SHOWER HEAD ASSEMBLY WITH 24" SLIDE BAR AND 60" FLEX HOSE MIXING VALVE: A CORN 410BADAWH DRAIN: SELF-CALLING, BRASS DRAIN WITH CHROME PLATED STRAINER, 2" OUTLET TRAP: 2" P-TRAP			1/2	1/2
P5	TUB FIXTURE: 75 GAL LOBOY WHIRLPOOL MOBILE UNIT SUPPLIES: WHITEHALL MANUFACTURING M67LWHM DRAIN: "ELKAY" MODEL LK18B, INCLUDED WITH FIXTURE STOPS: QUARTER TURN, COMPRESSION, POLISHED BRASS, 1/2" X 1/2" STAINLESS STEEL FLEX HOSE TRAP: 2" P-TRAP			1/2	1/2
P6	MOP SINK OPTIONS: PROVIDE WALL GUARDS, MODEL TNC-32 FIXTURE: 32"X32"X12" TERRAZZO, SQUARE WITH STAINLESS STEEL RIM CAPS SUPPLIES: CHICAGO MODEL 897-CP, WALL MOUNTED, 8" CENTERS, CHROME BRASS, WITH INTEGRAL STOPS, VACUUM BREAKER SPOUT, PAIL HOOK, AND WALL BRACE DRAIN: SUPPLIED WITH FIXTURE TRAP: 2" P-TRAP			1/2	1/2
P7	DRINKING FOUNTAIN - BOTTLE FILLING STATION - ADA COMPLIANT FIXTURE: "ELKAY" MODEL LZ5TLBWSLK CARRIER: "ELKAY" MODEL MLP200 B-LEVEL WALL CARRIER MOUNTING SYSTEM STOP: 1/2" BALL VALVE TRAP: PLASTIC 1-1/2"X2"			1/2	NA
P8	LAVATORY - WALL MOUNTED, ADA COMPLIANT FIXTURE: "ADVANCE TABCO" MODEL 7-FS-68 SUPPLIES: K-59 4"O.C. SPLASH MOUNTED GOOSENECK FAUCET WITH WRIST HANDLES DRAIN: MCGUIRE MODEL 155A CHROME PLATED BRASS, OPEN GRD STRAINER STOPS: "MCGUIRE" MODEL BV09, QUARTER TURN, CHROME PLATED BRASS WITH "MAINLINE" MODEL MLB112AF BRAIDED STAINLESS STEEL HOSE CONNECTOR AND WALL ESCUTCHEON PLATE TRAP: MCGUIRE MODEL 8902 CHROME PLATED BRASS, 1-1/2" X 2" ENCLOSURE: TRUEBRO MODEL 82226, WHITE CARRIER: SINGLE WATTS TCA-411, DOUBLE WATTS TCA-411-D INSULATION KIT: PROFLO MODEL PF202WH			1/2	1/2
P9	UTILITY SINK FIXTURE: ELKAY S581302 SUPPLIES: ELKAY LK940GN05T4H DRAIN: MCGUIRE MODEL 155A CHROME PLATED BRASS, OPEN GRD STRAINER STOPS: "MCGUIRE" MODEL BV09, QUARTER TURN, CHROME PLATED BRASS WITH "MAINLINE" MODEL MLB112AF BRAIDED STAINLESS STEEL HOSE CONNECTOR AND WALL ESCUTCHEON PLATE TRAP: MCGUIRE MODEL 8902 CHROME PLATED BRASS, 1-1/2" X 2" ENCLOSURE: TRUEBRO MODEL 82226, WHITE CARRIER: SINGLE WATTS TCA-411, DOUBLE WATTS TCA-411-D INSULATION KIT: PROFLO MODEL PF202WH			1/2	1/2
	MIXING VALVE: "LEONARD" MODEL 270-LF-CP-BRKT, POINT OF USE, ASSE 1070 LISTED, CHROME PLATED, WITH MOUNTING BRACKET, RATED FOR 3.5 GPM AT 5 PSIG PRESSURE DROP, SET IN FIELD FOR 105°F OUTLET TEMPERATURE TO FAUCET, LOCATE CONCEALED BEHIND P-TRAP.				

- NOTES:
- REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT.
 - FLUSH TUBE TRAP PRIMER ONLY REQUIRED ON ONE FIXTURE PER FLOOR DRAIN.
 - VERIFY DRAINS FIT FIXTURE PRIOR TO PURCHASE/SING.
 - REFER TO PLANS, COORDINATE WITH TENENT FOR TRAP REQUIREMENTS.
 - VERIFY FIXTURE FITS COUNTER DEPTH PRIOR TO PURCHASE/SING. REFER TO ARCHITECTURAL PLANS.
 - PROVIDE 2"x6" WOOD BLOCKING A TITACHED TO BRACE CARRIER FAUCET SUPPORT. SEE ARCHITECTURAL FOR MOUNTING HEIGHT.

PLUMBING GENERAL NOTES:

- PLUMBING SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE 2021 EDITION OF THE INTERNATIONAL BUILDING CODE, INTERNATIONAL PLUMBING CODE WITH STATE AMENDMENTS, INTERNATIONAL FUEL GAS CODE AND THE CURRENT EDITIONS OF THE NEW ORLEANS SEWERAGE AND WATER BOARD REQUIREMENTS.
- PROVIDE A 22 GAUGE GALVANIZED IRON SAFETY PAN UNDER EACH WATER HEATER STORAGE TANK. PIPE PAN DRAINS TO FLOOR DRAIN OR HUB DRAIN, UNLESS NOTED OTHERWISE. REFER TO THE SCHEDULE, DETAIL AND SPECIFICATION FOR FURTHER REQUIREMENTS.
- FIRE SAFE ALL PENETRATIONS THRU RATED FLOORS AND WALLS TO PREVENT SMOKE AND FIRE PASSAGE USING STANDARD U.L. LISTED ASSEMBLIES TO MAINTAIN THE RATING OF THE BARRIER BEING PENETRATED. MATERIALS SHALL MEET ASTM E-814 REQUIREMENTS.
- NO PLUMBING EQUIPMENT OR PIPING SHALL EXTEND INTO THE PLANE ABOVE ELECTRICAL PANELS. COORDINATE INSTALLATION AND ROUTING WITH ELECTRICAL.
- ALL FLOOR DRAINS LOCATED WITHIN RESTROOMS SHALL BE PROVIDED WITH ASSE 1018 TRAP PRIMING DEVICES. TRAP PRIMERS SHALL BE INSTALLED IN THE WALL AND AN ACCESS PANEL SHALL BE PROVIDED TO ALLOW FOR INSPECTION AND MAINTENANCE OF THE PRIMING DEVICE. ALL OTHER FLOOR DRAINS SHALL BE PROVIDED TRAP SEALS.
- FURNISH AND INSTALL ASSE 1070 CERTIFIED "POINT OF USE" TEMPERING VALVES TO SERVE ALL HAND WASH LAVATORIES IN THE TOILET ROOMS.
- REFER TO ARCHITECTURAL PLANS FOR A DESCRIPTION OF ALTERNATES.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL FLOOR DRAINS.
- SET RIM OF ALL HUB DRAINS (LOCATED IN THE FLOOR) 1" ABOVE THE FINISHED FLOOR.
- REFER TO ARCHITECTURAL PLANS, ELEVATIONS, FOR EXACT LOCATION OF WALL HYDRANTS.
- PLUMBING CONTRACTOR IS RESPONSIBLE FOR PROVIDING HUB DRAINS DESIGNATED FOR MECHANICAL EQUIPMENT CONDENSATE DRAINAGE, MECHANICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND ROUTING INSULATED CONDENSATE PIPING TO HUB DRAINS IF WITHIN BUILDING. PLUMBING CONTRACTOR SHALL COORDINATE EXACT LOCATION OF HUB DRAINS WITH MECHANICAL CONTRACTOR.
- ACCESS PANELS SHALL BE PROVIDED IN HARD CEILINGS WHERE ACCESS IS REQUIRED FOR ISOLATION VALVES AND OR OTHER PLUMBING EQUIPMENT. PANELS SHALL BE LARGE ENOUGH TO SERVICE AND REMOVE PLUMBING EQUIPMENT.

SPRINKLER GENERAL NOTES:

- THE BUILDING SHALL BE PROTECTED THROUGHOUT BY AN AUTOMATIC WET PIPE SPRINKLER SYSTEM.
- THE SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 13, 2016 EDITION REQUIREMENTS.
- THE SPRINKLER SYSTEM SHALL BE DESIGNED AS A LIGHT HAZARD SYSTEM FOR ALL ASSEMBLY AREAS, OFFICE AREAS, PUBLIC AND SIMILAR SPACES. THE DESIGN DENSITY SHALL BE 0.10 GPM PER SQUARE FOOT APPLIED OVER THE MOST HYDRAULICALLY DEMANDING 1500 SQUARE FOOT AREA.
- THE SPRINKLER SYSTEM SHALL BE DESIGNED AS AN ORDINARY HAZARD, GROUP 1 SYSTEM FOR MECHANICAL ROOMS, ELECTRICAL ROOMS, CLOSETS AND STORAGE ROOMS. THE DESIGN DENSITY SHALL BE 0.15 GPM PER SQUARE FOOT APPLIED OVER THE MOST HYDRAULICALLY DEMANDING 1500 SQUARE FOOT AREA.
- FIRE SAFE ALL PENETRATIONS THRU RATED FLOORS AND WALLS TO PREVENT SMOKE AND FIRE PASSAGE USING STANDARD U.L. LISTED ASSEMBLIES TO MAINTAIN THE RATING OF THE BARRIER BEING PENETRATED. MATERIALS SHALL MEET ASTM E-814 REQUIREMENTS.
- NO FIRE PROTECTION EQUIPMENT OR PIPING SHALL EXTEND INTO THE PLANE ABOVE ELECTRICAL PANELS. COORDINATE INSTALLATION AND ROUTING WITH ELECTRICAL.
- REFER TO ARCHITECTURAL PLANS FOR A DESCRIPTION OF ALTERNATES

PUMP SCHEDULE								
TAG	TYPE	PUMP DATA			CONTROL	ELECTRICAL		NOTES
		FLOW (GPM)	HP	TDH (FT)		V / PH / HZ	MODEL	
FP-1	IN-LINE	450	20	90	FP CONTROLLER	208 / 3 / 60	AURORA MODEL 911 4-383-7C	2
JP-1	IN-LINE	5	1.5	90	JP CONTROLLER	208 / 3 / 60	AURORA MODEL 110 SIZE F4	3
SP-1	SUMP	50	1/2	5	FLOAT SWITCH	120/1/60	LIBERTY PUMP MODEL 281	1, 4
DWP-1	IN-LINE	140	5	80	PRESSURE SENSOR	208 / 3 / 60		

- NOTES:
- PUMP SHALL BE CAST-IRON. PROVIDE FLOAT SWITCH, 6' PLUG CORD, AND QUICK DISCONNECT. EXTEND PUMP OUTLET TO BUILDING EXTERIOR AND TERMINATE IN VISIBLE LOCATION OPEN SITE ABOVE GRADE.
 - PROVIDE SERVICE ENTRANCE RATED, FULL SERVICE FIRE PUMP CONTROLLER.
 - PROVIDE WALL MOUNTED JOCKEY PUMP CONTROLLER.
 - PROVIDE A 150V CONTROL PANEL, ALARM AND OIL SENSOR.

DOMESTIC HOT WATER PUMP SCHEDULE								
TAG	TYPE	SERVICE	PUMP DATA		CONTROL	ELECTRICAL		NOTES
			FLOW (GPM)	TDH (FT)		V/PH/HZ	MODEL	
MHP-1	INLINE	TEVANT 1	5	10	AQUASTAT	115 / 1 / 60	GRUNDFOS MODEL UPS 15-35 SFC	1

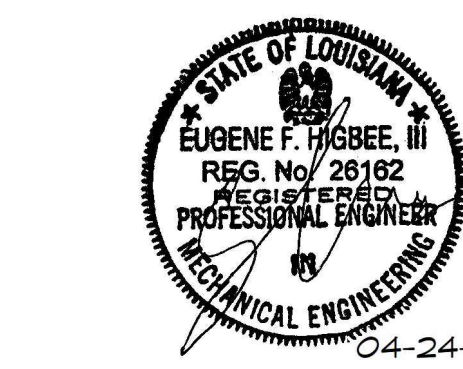
- NOTES:
- PUMP SHALL BE SS CONSTRUCTION, NSF/ANSI 372 RATED LEAD FREE, SUITABLE FOR POTABLE WATER USE. PROVIDE AQUA-PX TO FLANGE PIPE CONNECTION & AQUASTAT THERMOSTAT CONTROL WITH 7 DAY PROGRAMMABLE TIMERS.

GAS WATER HEATER SCHEDULE								
TAG	FUEL TYPE	CAPACITY	GAS INPUT (CFH)	RECOVERY		ELECTRICAL	MODEL	NOTES
				RATE (GPM)	TEMP RISE (F)			
KWH-1	NAT GAS	TANKLESS	199	20	100	120 / 1 / 60		1-6
KWH-2	NAT GAS	TANKLESS	199	20	100	120 / 1 / 60		1-6
KWH-3	NAT GAS	TANKLESS	199	20	100	120 / 1 / 60	"RINNAI" MODEL CU199, GAS FIRED, CONDENSING TYPE WATER HEATER, WALL MOUNTED, THREE HEATER RACK (TRW03CLIN) AND TWO HEATER RACK (TRW02CLIN), 0.95 THERMAL EFFICIENCY, INDOOR	1-6
KWH-4	NAT GAS	TANKLESS	199	20	100	120 / 1 / 60		1-6
KWH-5	NAT GAS	TANKLESS	199	20	100	120 / 1 / 60		1-6
KWH-6	NAT GAS	TANKLESS	199	20	100	120 / 1 / 60		1-6

- NOTES:
- PROVIDE HEATERS WITH MODEL 103000067 CONDENSATE ACID NEUTRALIZING KIT (1 PER HEATER).
 - PROVIDE HEATERS WITH MODEL REL-C5A-C1 MULTI-UNIT CASCAING HARNESS
 - PROVIDE WATTS MODEL DETA-60 ASME RATED THERMAL EXPANSION TANK
 - REFER TO ELECTRICAL DRAWINGS FOR 120 VOLT POWER THAT IS REQUIRED FOR THE GAS FIRED WATER HEATER CONTROLS AND HOT WATER RETURN PUMP.
 - TERMINATE EXHAUST FLEECOMBUSTION AIR INTAKE THRU EXTERIOR WALL WITH WATER HEATER MANUFACTURERS APPROVED DUCT, ELBOWS, AND WALL CAP. PROVIDE MODEL PVC ADAPTER (1 PER HEATER) AND NON-RETURN VALVE (1 PER HEATER). MATERIALS AND PIPING SHALL BE PER THE MANUFACTURERS REQUIREMENTS.
 - CONTRACTOR SHALL DIRECT VENT GAS WATER HEATERS TO SEPARATE, COMMON EXHAUST AIR VENT & COMBUSTION AIR HEADER. ASSEMBLE AND ROUTE VENTING & INTAKE DUCTS IN STRICT ACCORDANCE TO MANUFACTURERS RECOMMENDATIONS.

These plans and specifications have been prepared by or under our supervision and to the best of our knowledge and belief, they comply with all City requirements.

Engineer:
License Number: 26162
Periodic site visits will (will not) be made by our firm.



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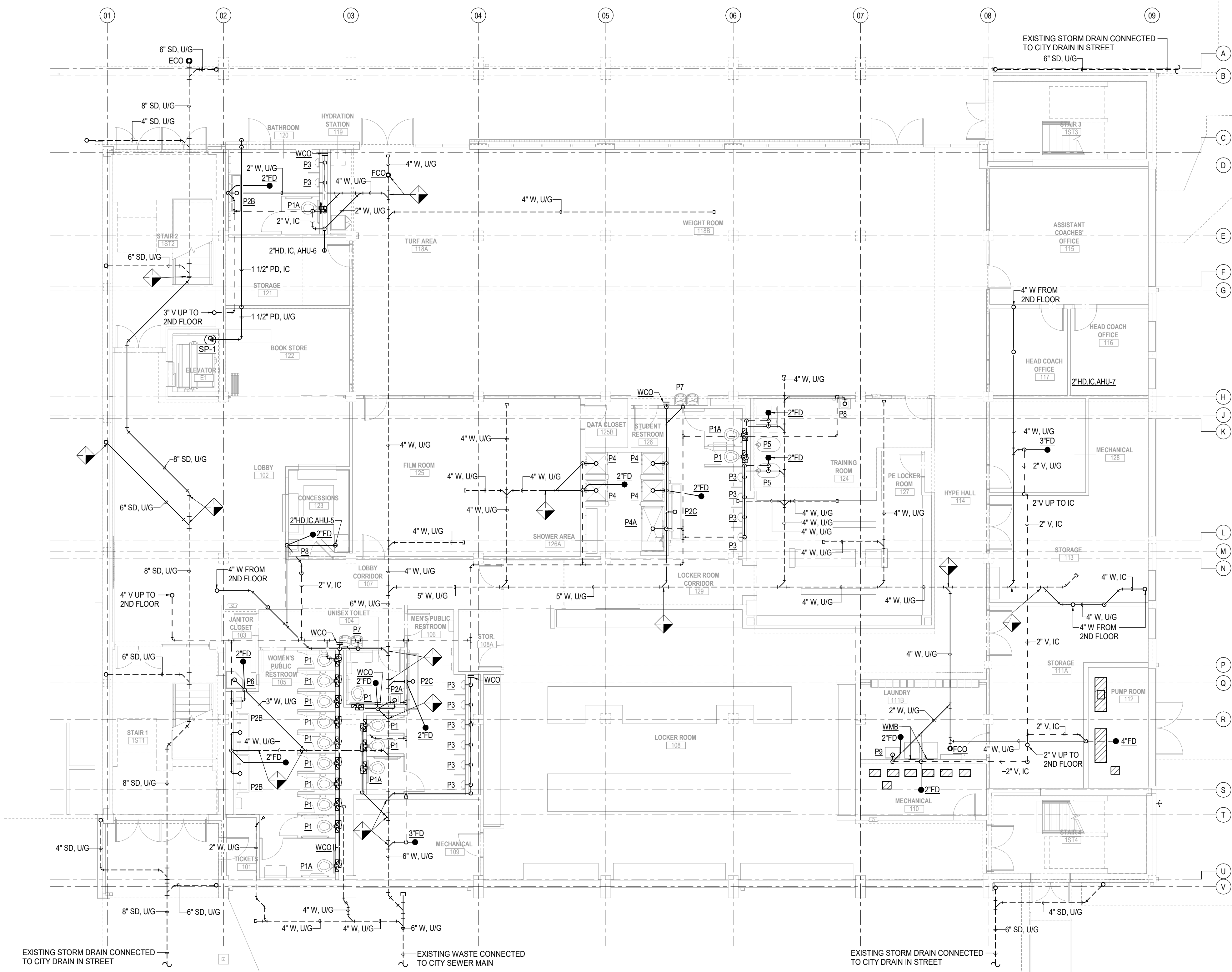
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RENOVATION
2600 A.P. TUREAUD AVE
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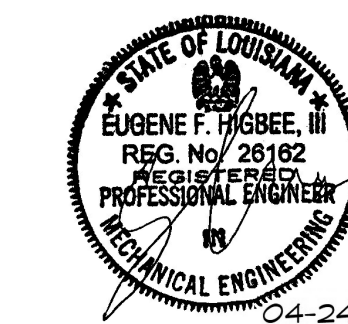
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CONTRACTOR
Woodward Design+Build
1000 South Norman C. Francis Parkway
New Orleans, LA 70125
(504)

REVISION #	DESCRIPTION	DATE



1 PLUMBING PLAN - WASTE & VENT - FIRST FLOOR
P1.11 SCALE: 1/8" = 1'-0"



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PLUMBING PLAN
WASTE & VENT
FIRST FLOOR

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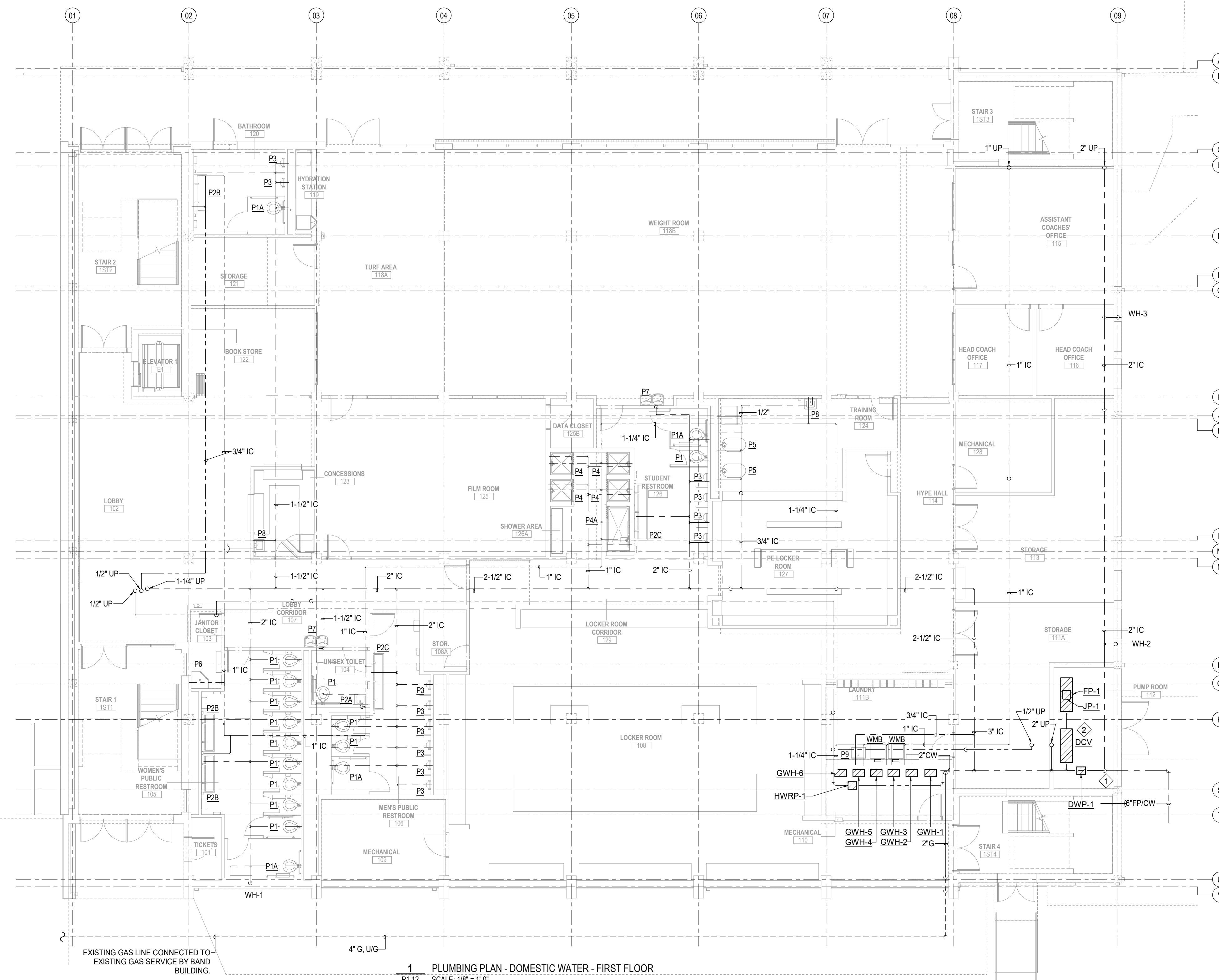
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PLUMBING SPECIFIC NOTES

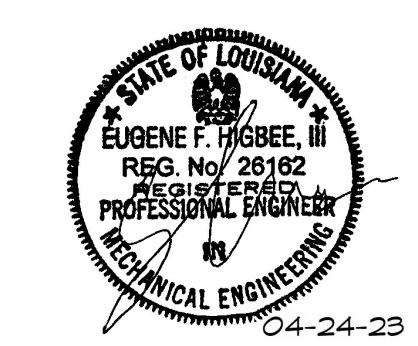
- 1 6"FS/CW COMBO UP WITHIN PUMP ROOM. 3" DOMESTIC WATER.
- 2 6"FS TO 6" FIRE PROTECTION DOUBLE CHECK VALVE WITH BYPASS METER. ASSEMBLY IN HORIZONTAL ORIENTATION. COORDINATION WITH N.O.S. & W.B. ON REPLACEMENT OF METER. CONTRACTOR SHALL PAY ALL ASSOCIATED COSTS.



EXISTING GAS LINE CONNECTED TO EXISTING GAS SERVICE BY BAND BUILDING.

4" G. UIG

1 PLUMBING PLAN - DOMESTIC WATER - FIRST FLOOR
P1.12 SCALE: 1/8" = 1'-0"



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PLUMBING PLAN
DOM. WATER
FIRST FLOOR

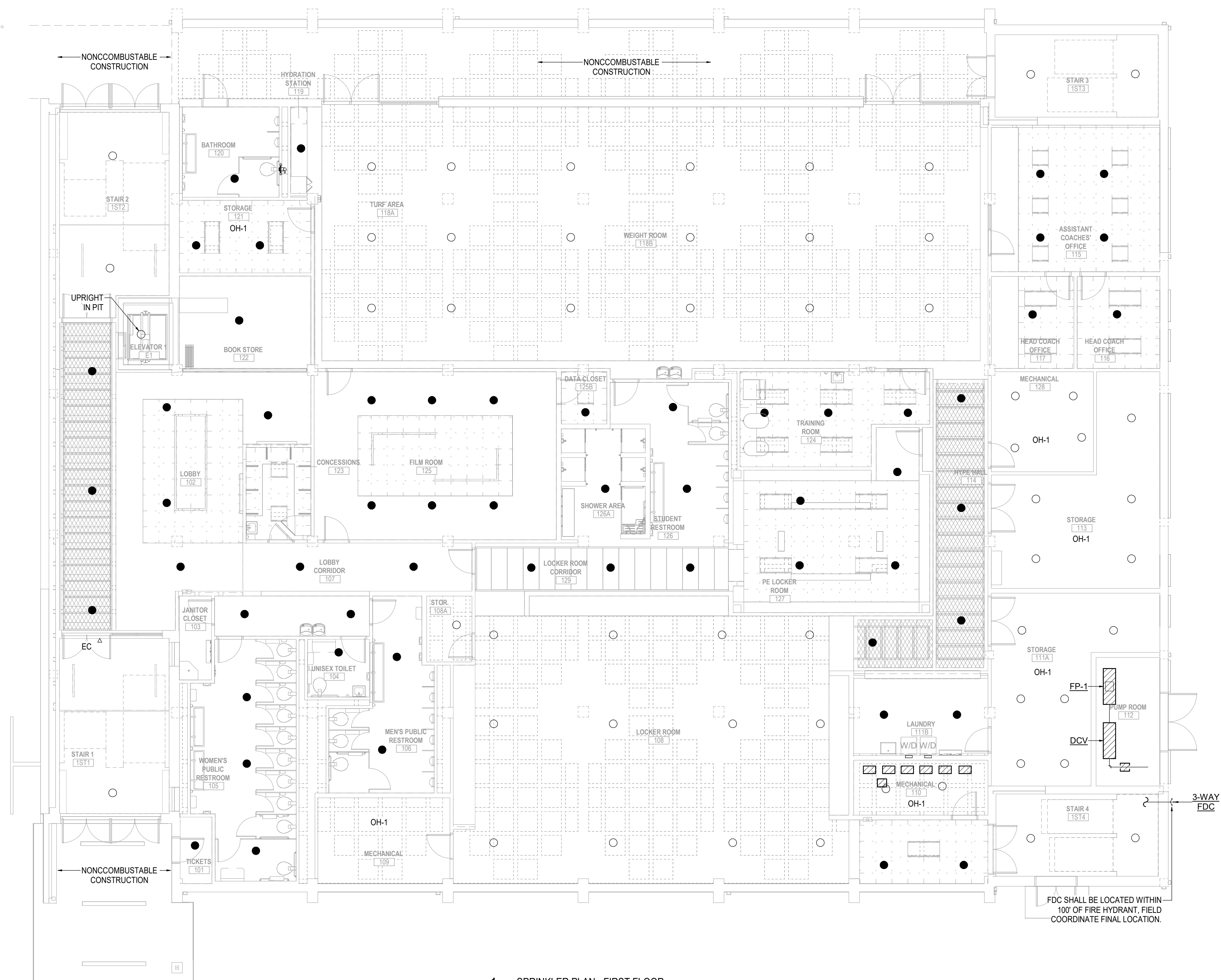
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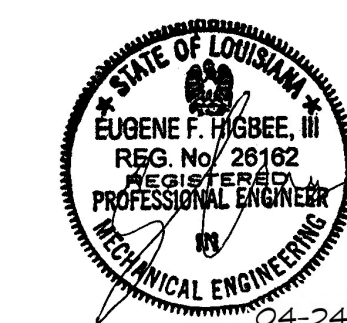
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1 SPRINKLER PLAN - FIRST FLOOR
P1.13 SCALE: 1/8" = 1'-0"



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SPRINKLER PLAN
FIRST FLOOR

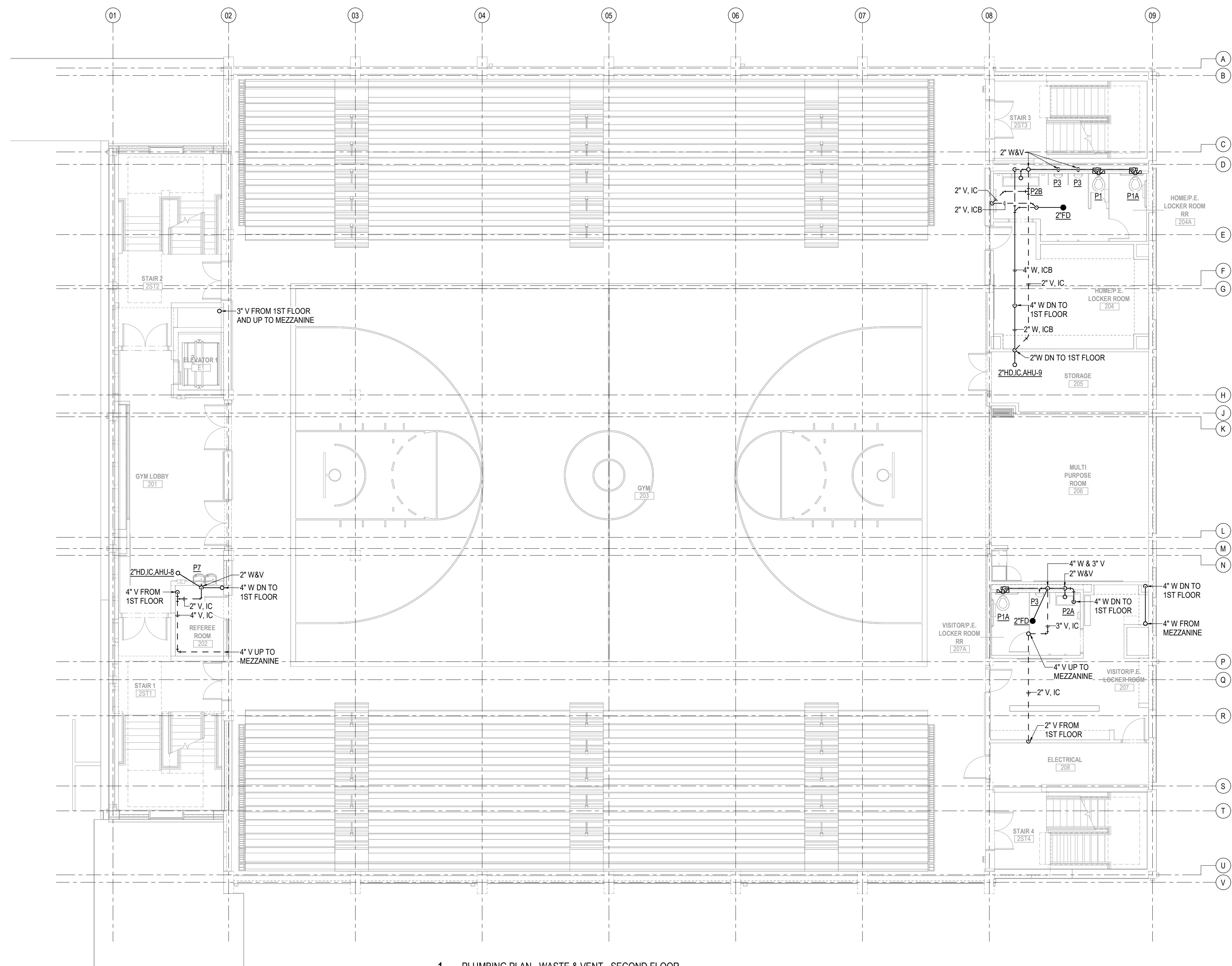
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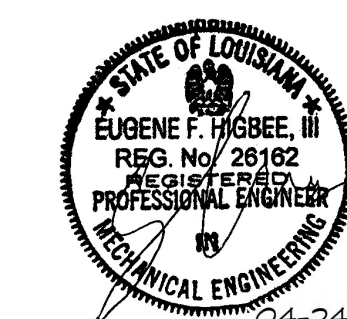
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1 PLUMBING PLAN - WASTE & VENT - SECOND FLOOR
P1.21 SCALE: 1/8" = 1'-0"



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PROJECT NUMBER
CN21101-02
ISSUE DATE
05/26/23

PLUMBING PLAN
WASTE & VENT
SECOND FLOOR

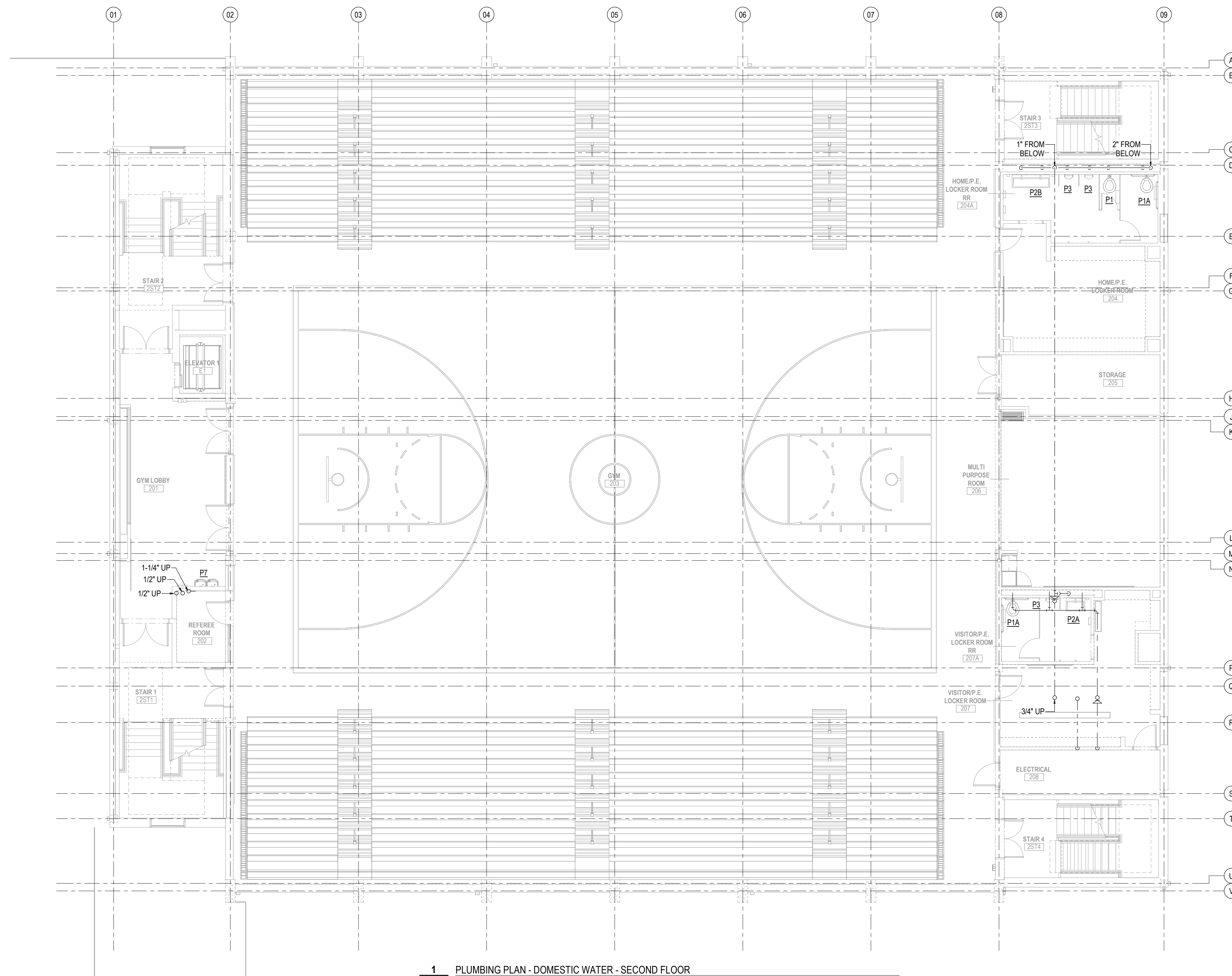
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NEW ORLEANS, LA 70119

OWNER
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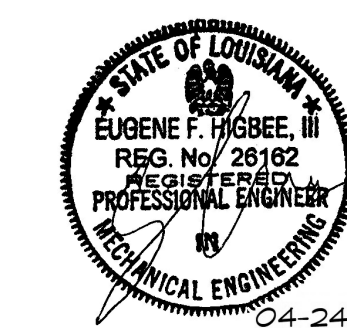
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(504) 523-2772
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1 PLUMBING PLAN - DOMESTIC WATER - SECOND FLOOR
P1.22 SCALE: 1/8" = 1'-0"



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PLUMBING PLAN
DOM. WATER
SECOND FLOOR

P1.22

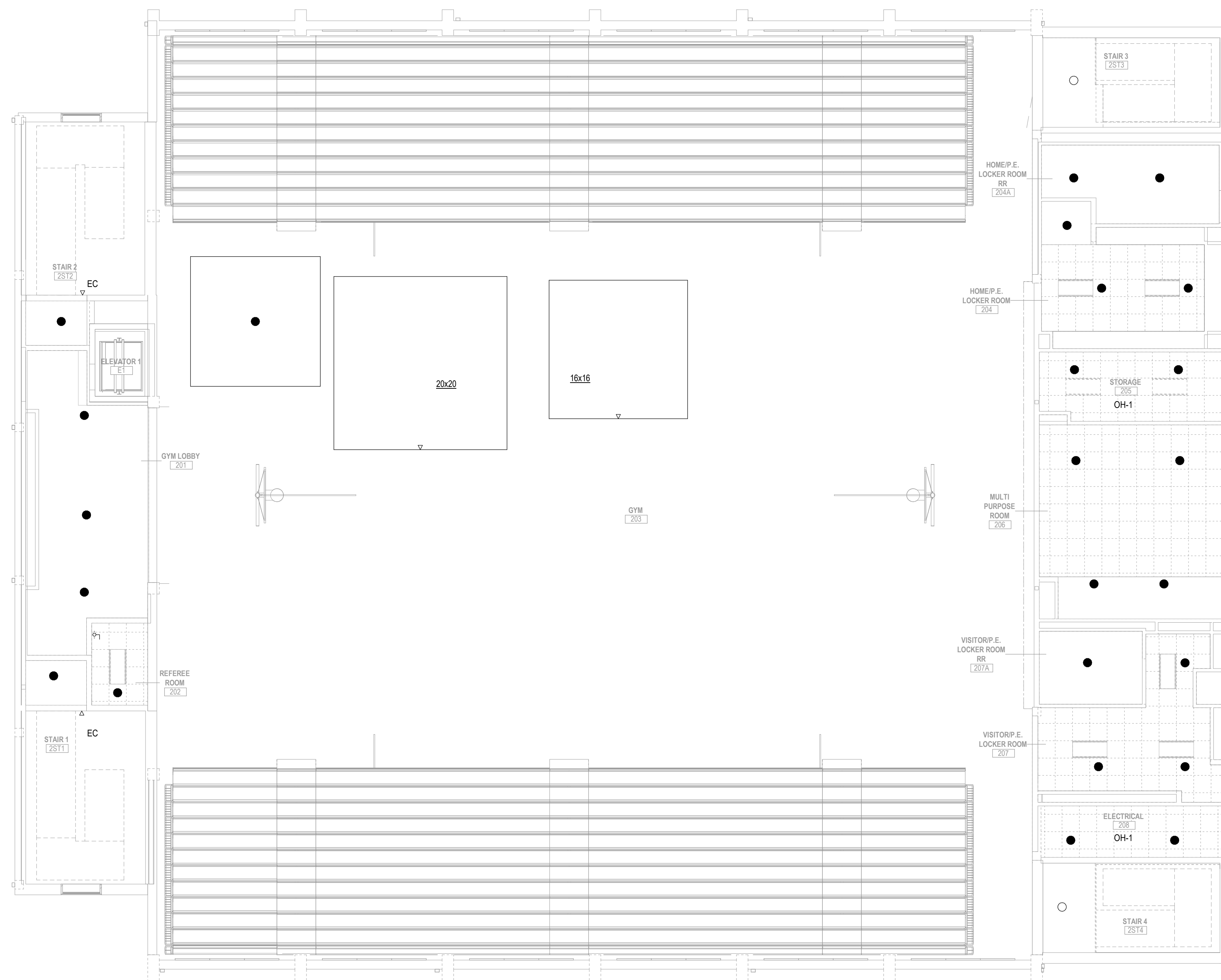
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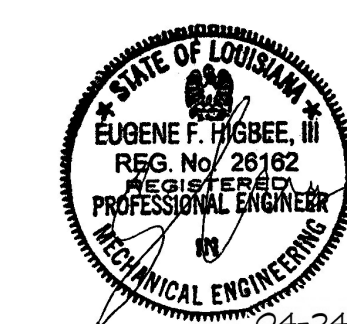
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1 SPRINKLER PLAN - SECOND FLOOR
P1.23 SCALE: 1/8" = 1'-0"



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SPRINKLER PLAN
SECOND FLOOR

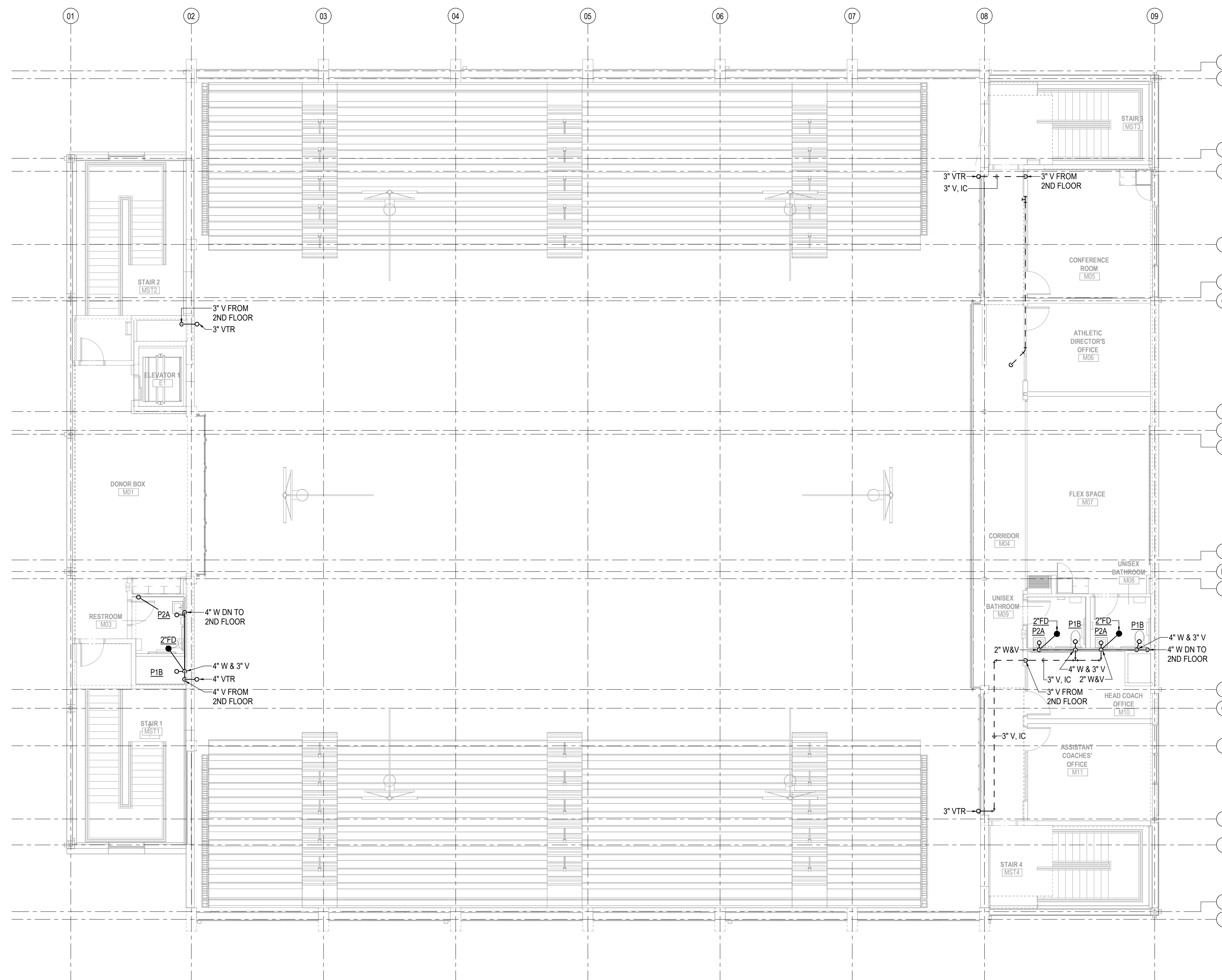
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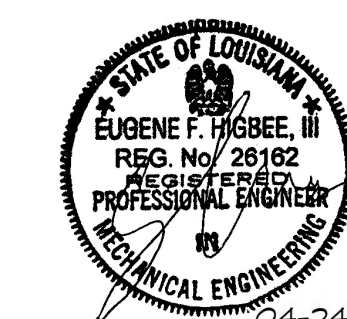
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1 PLUMBING PLAN - WASTE & VENT - MEZZANINE
P1.31 SCALE: 1/8" = 1'-0"



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PLUMBING PLAN
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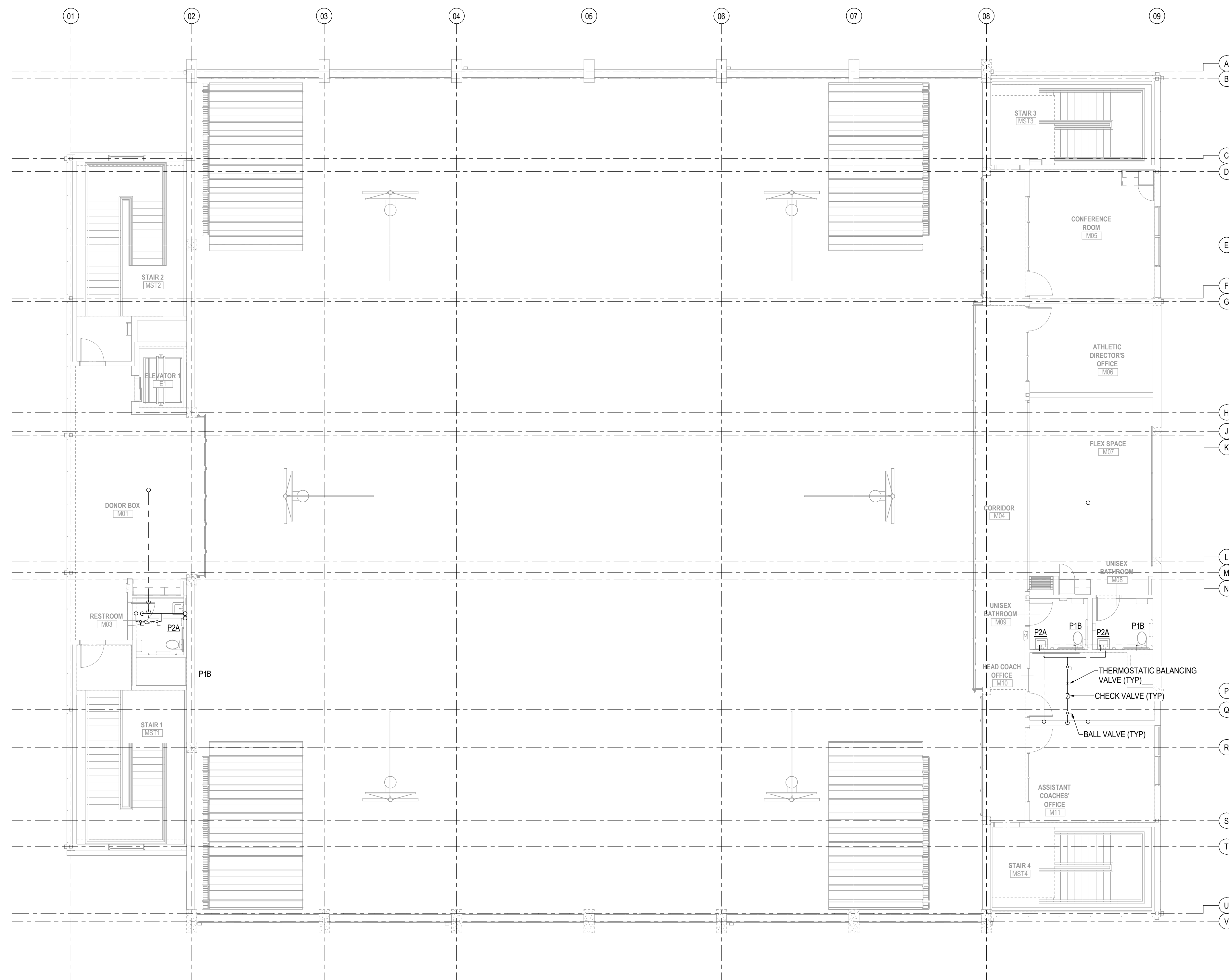
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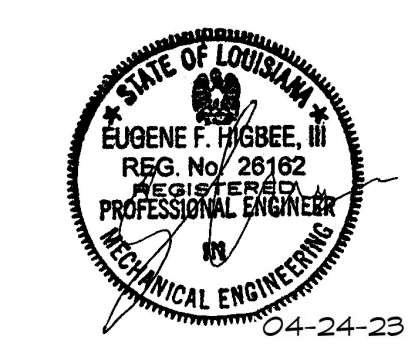
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1 PLUMBING PLAN - DOMESTIC WATER - MEZZANINE
P1.32 SCALE: 1/8" = 1'-0"



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**PLUMBING PLAN
DOM. WATER
MEZZANINE**

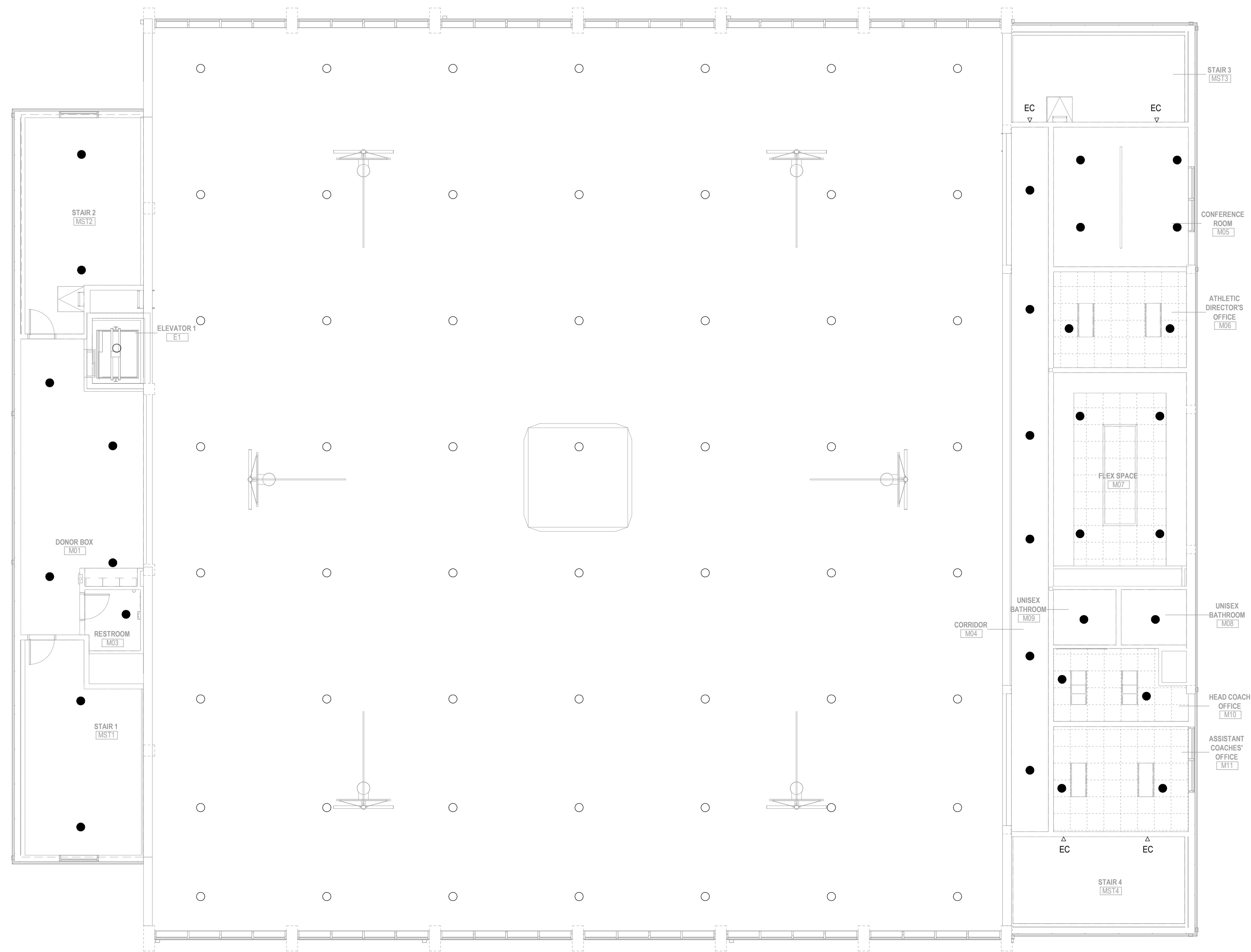
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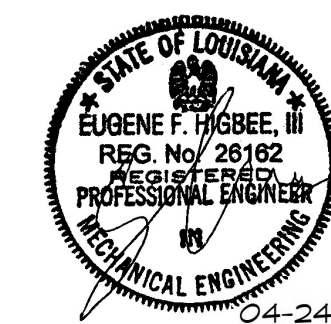
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1 SPRINKLER PLAN - MEZZANINE
P1.33 SCALE: 1/8" = 1'-0"



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SPRINKLER PLAN
MEZZANINE

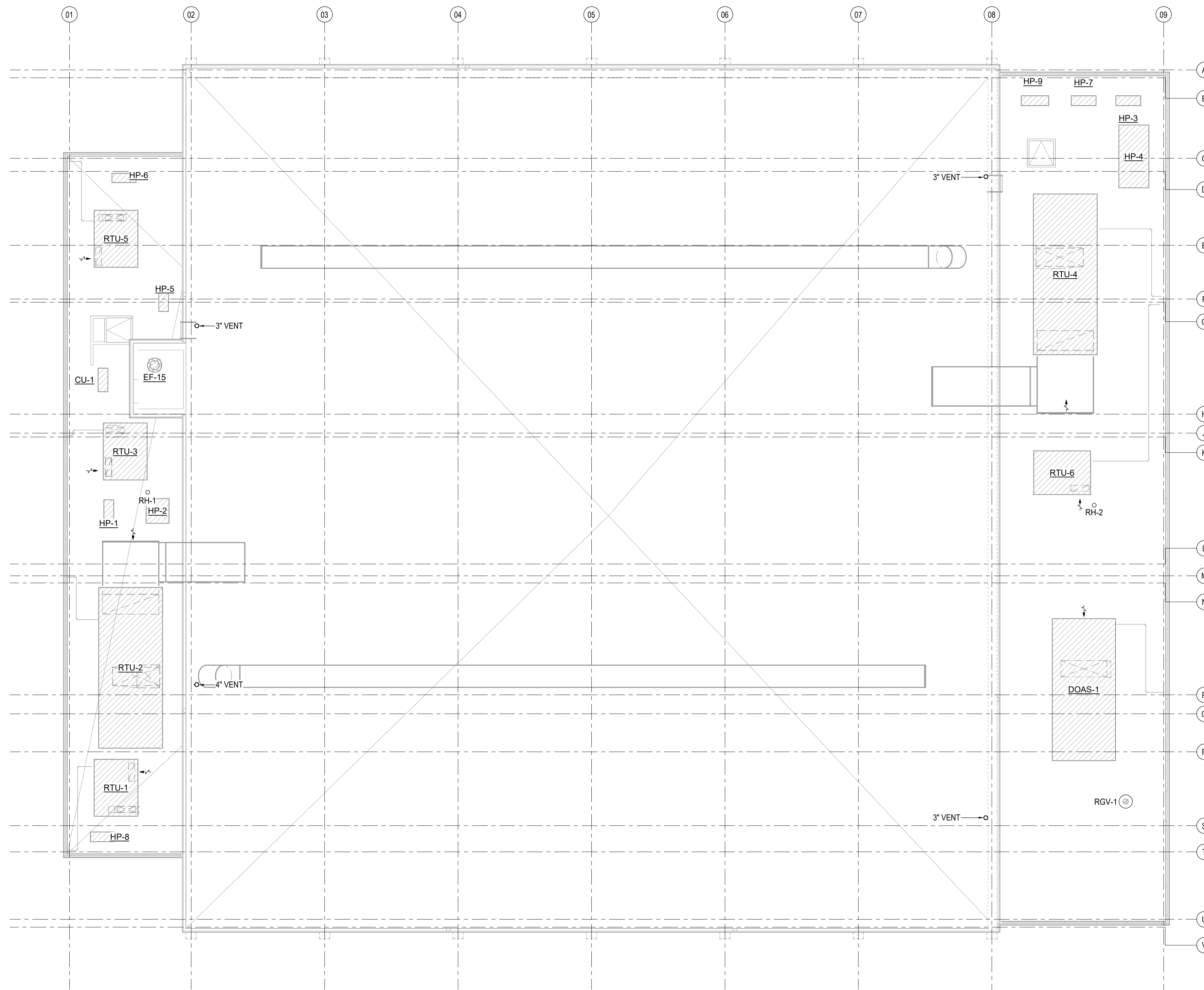
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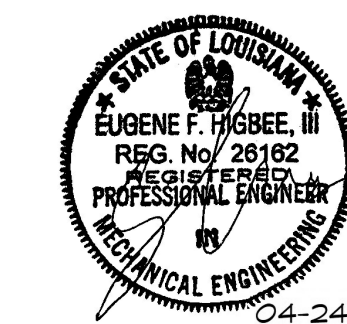
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1 PLUMBING PLAN - ROOF
P1.41 SCALE: 1/8" = 1'-0"



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PLUMBING PLAN
ROOF

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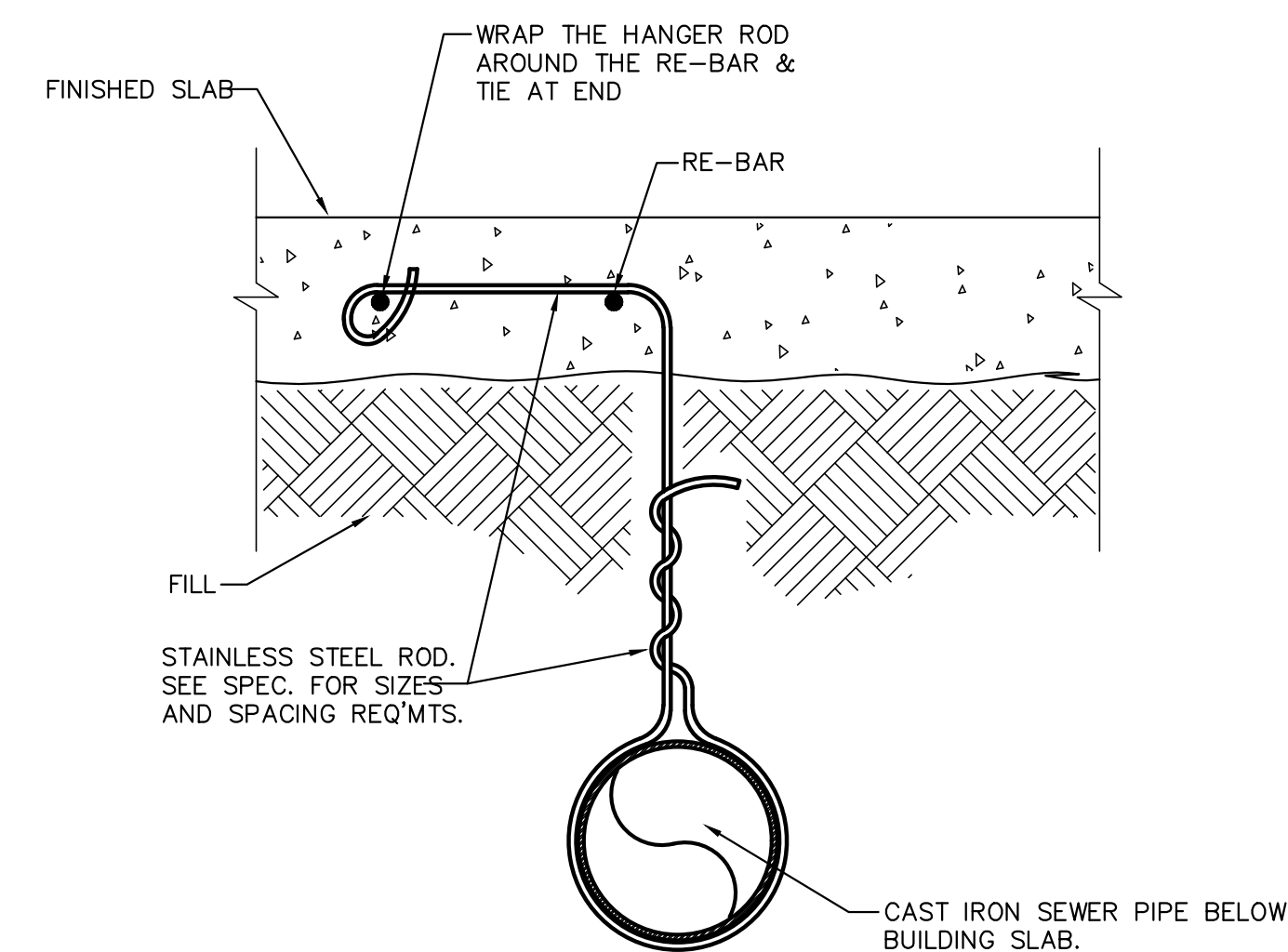
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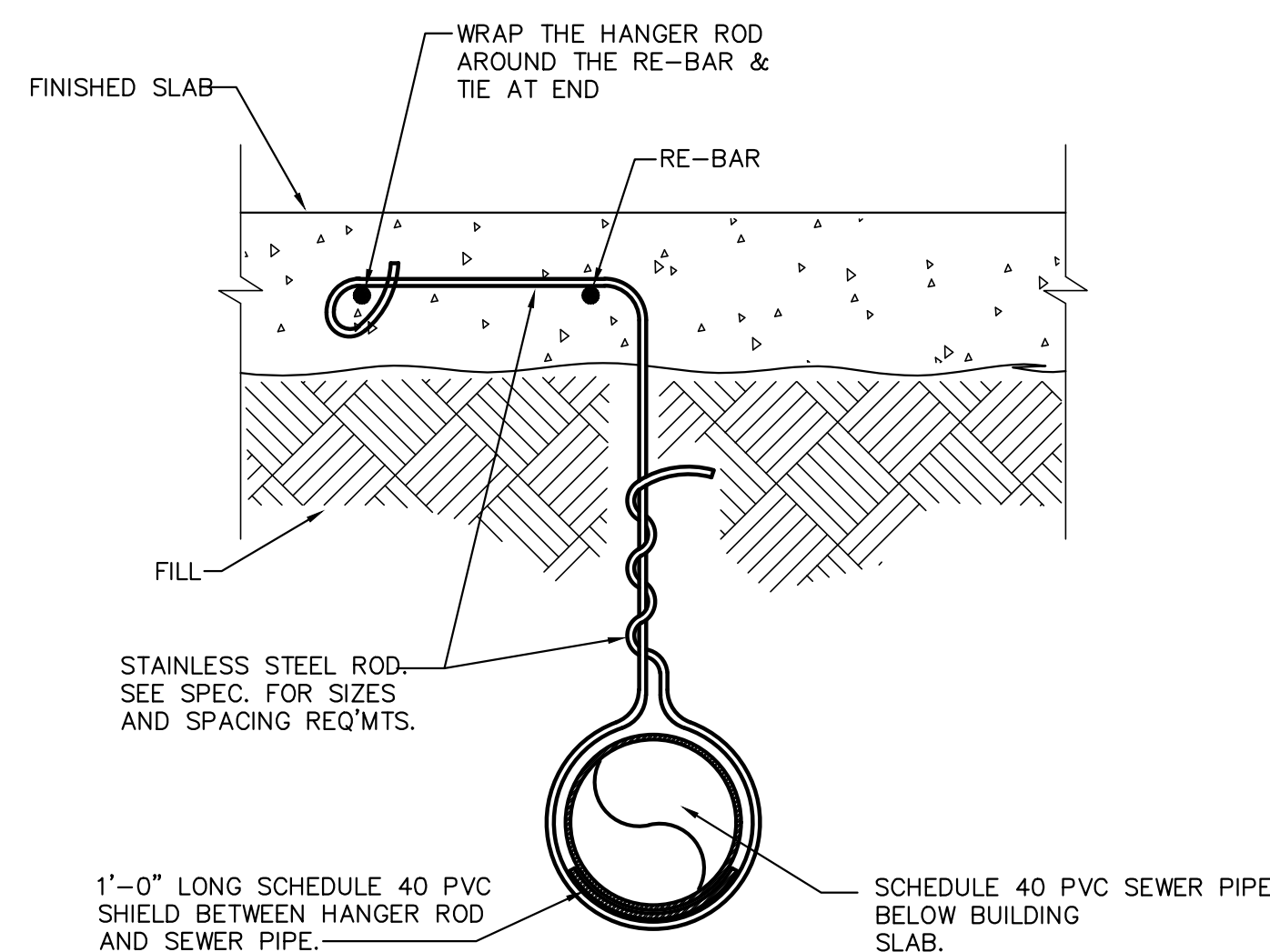
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PLUMBING
DETAILS

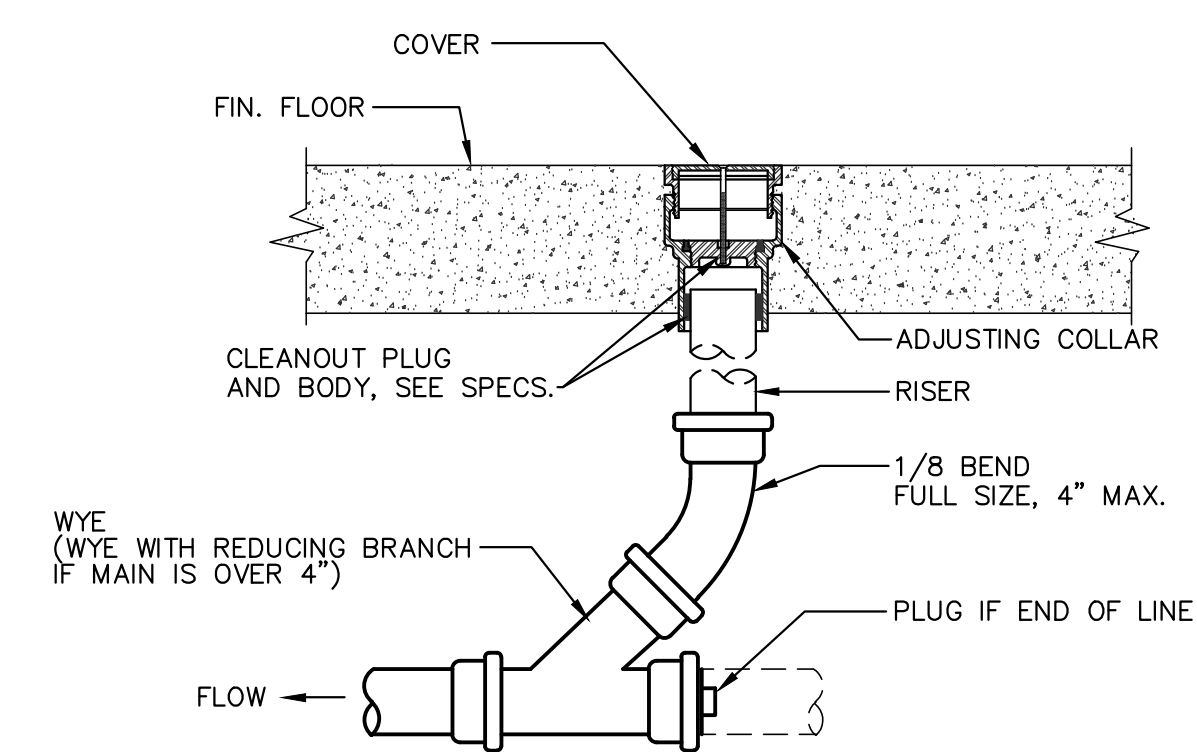
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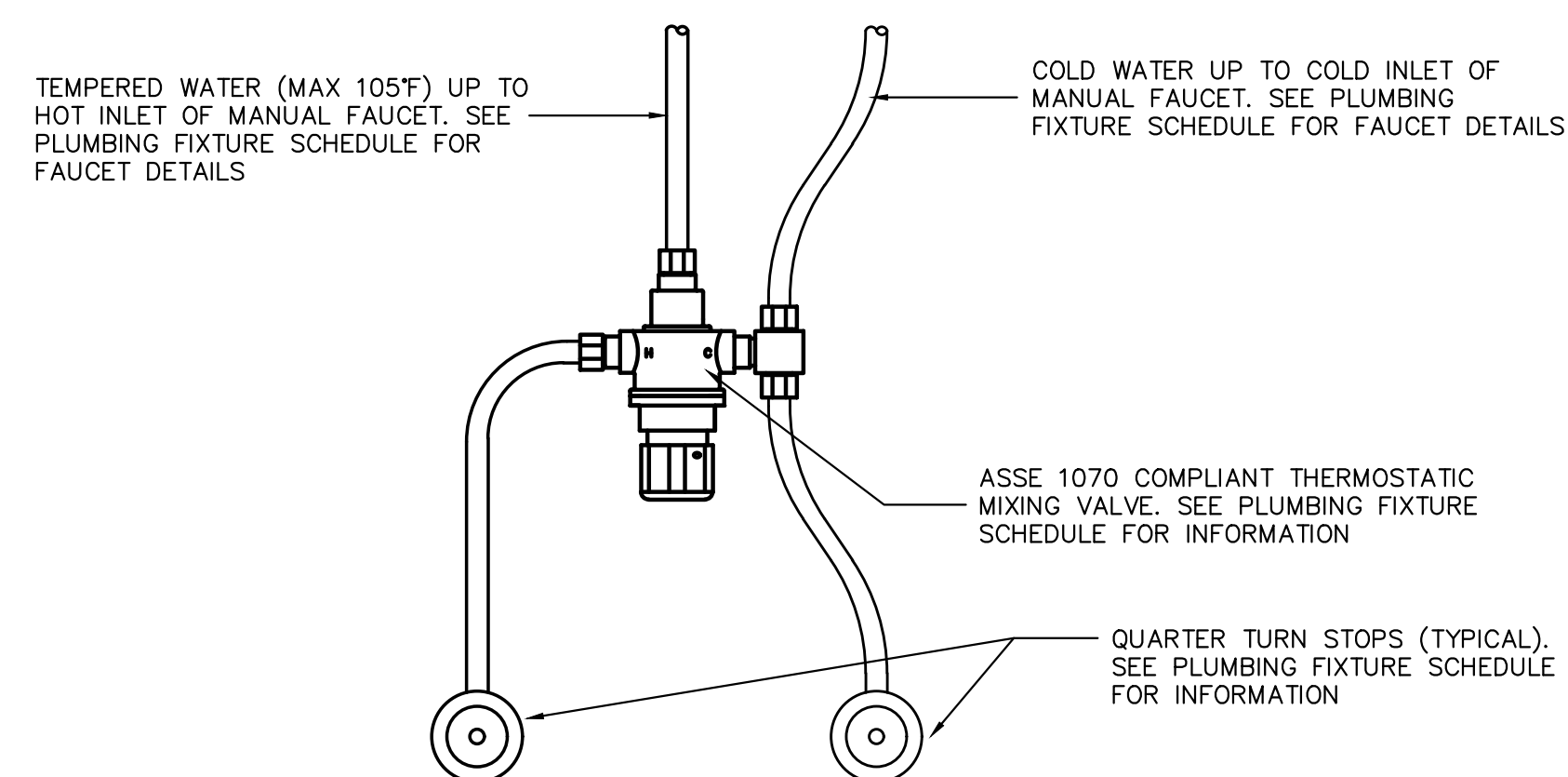
1 UNDERGROUND PIPE HANGER DETAIL
SCALE: NONE (CAST IRON PIPE)



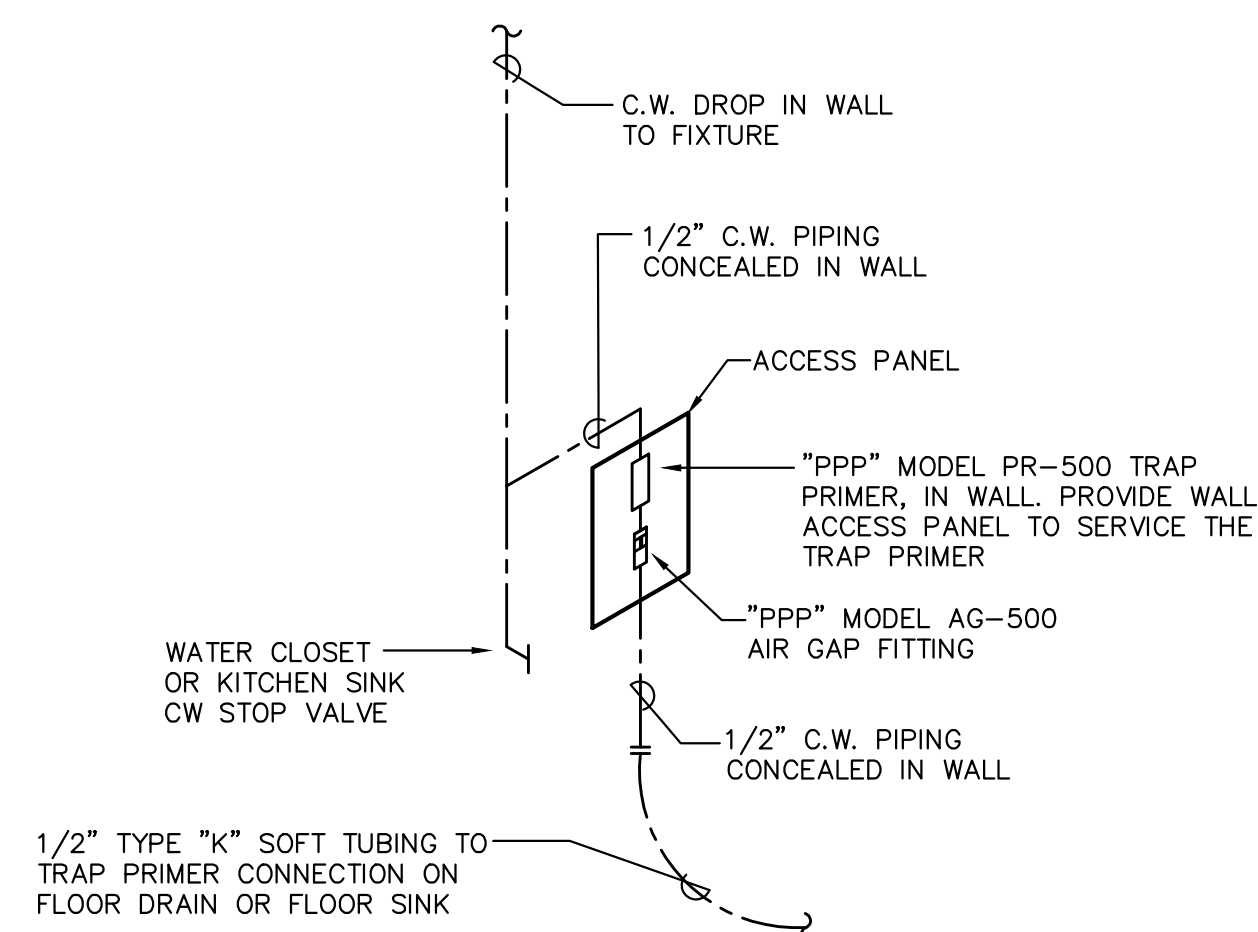
2 UNDERGROUND PIPE HANGER DETAIL
SCALE: NONE (PVC PIPE)



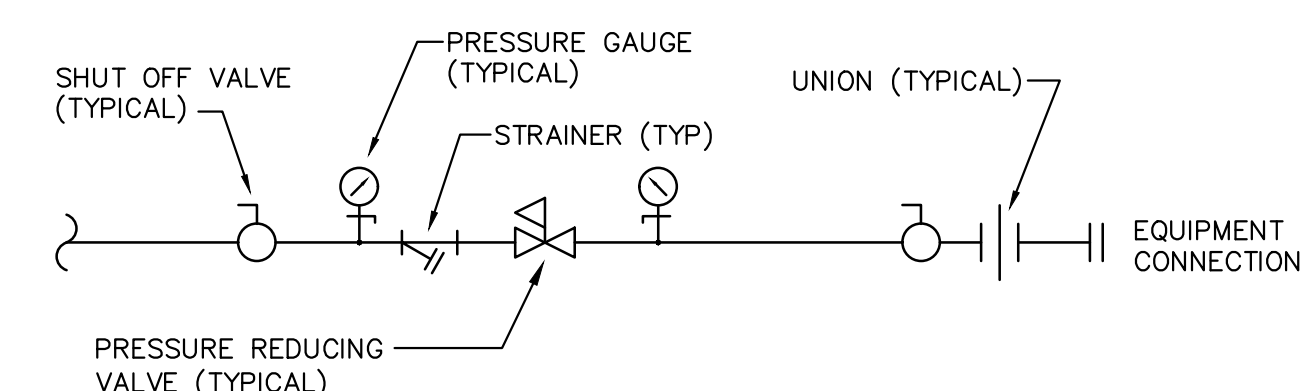
3 FLOOR CLEANOUT DETAIL
SCALE: NONE



4 POINT-OF-USE THERMOSTATIC MIXING VALVE DETAIL
SCALE: NONE
NOTE: CONTRACTOR SHALL INSTALL MIXING VALVE BELOW LAVATORIES/SINKS SO AS TO CONCEAL THE INSTALLATION AS MUCH AS PRACTICAL. CONTRACTOR SHALL PROVIDE A "MOCK-UP" OF A POINT OF USE MIXING VALVE INSTALLATION FOR APPROVAL PRIOR TO INSTALLING ALL MIXING VALVES

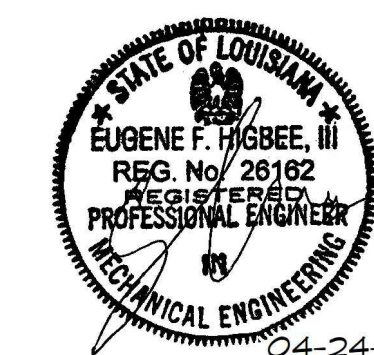


5 FLOOR DRAIN TRAP PRIMER DETAIL
SCALE: NONE



6 TYPICAL GAS PRV SCHEMATIC DIAGRAM
SCALE: NONE NOTE: NOT REQUIRED AT GAS METER

SHEET SIZE 24" x 36"
M:\3000 SERIES\3029\3029-PLUMB\WC\3029_P2.01_P2.02-PLUMB DETAILS
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sandy



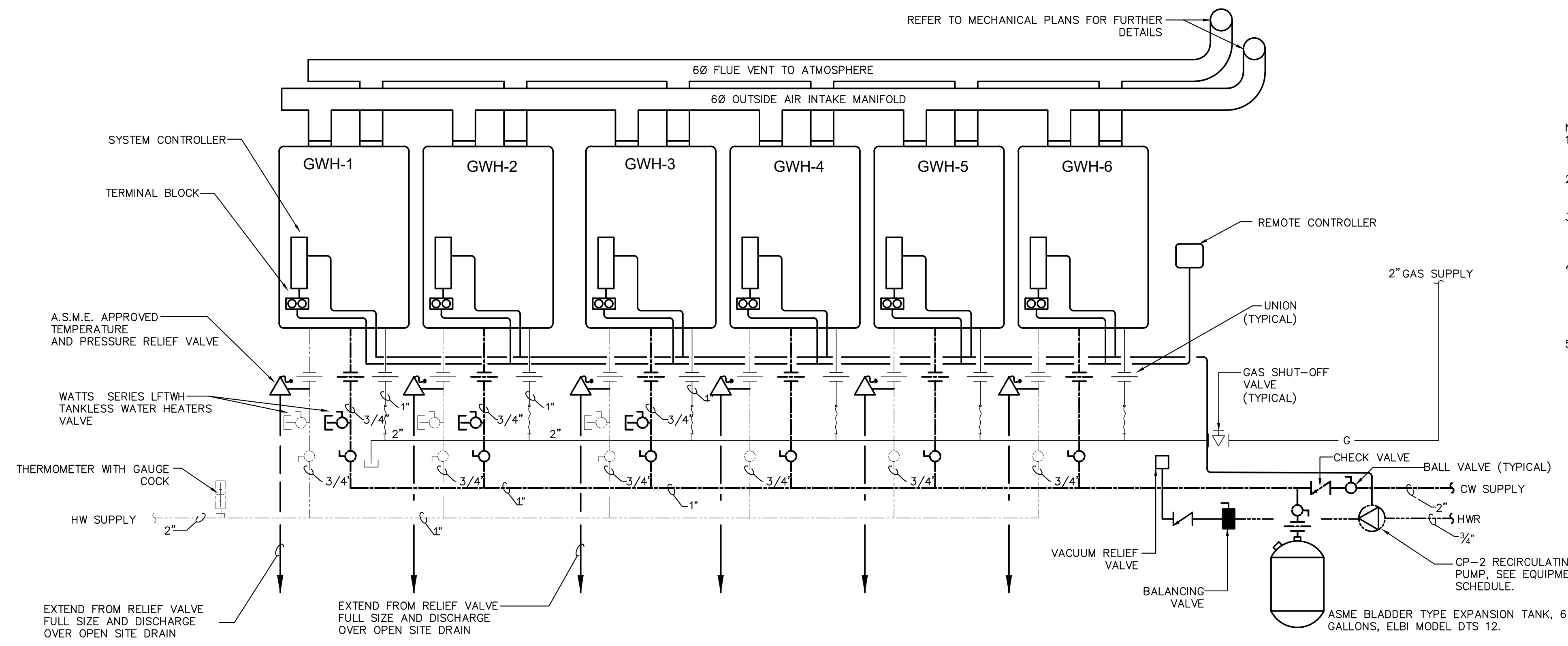
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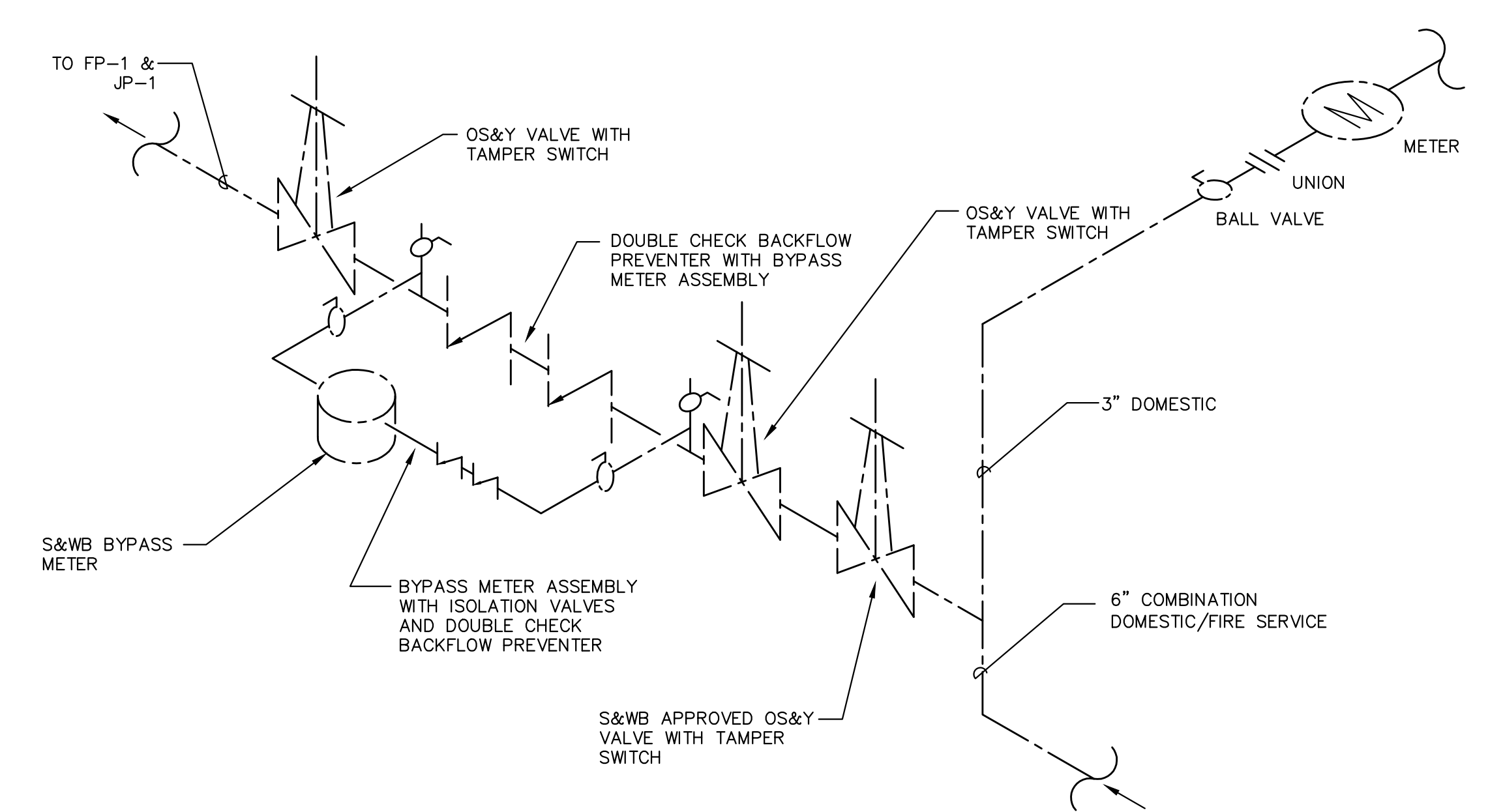
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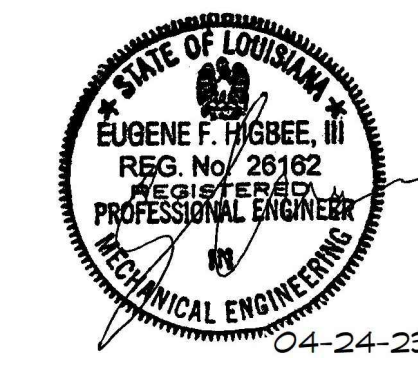


- NOTES:
1. ALL DRAIN PIPING SHALL TERMINATE A MINIMUM OF 2" ABOVE INDIRECT WASTE RECEPTOR.
 2. SEE MANUFACTURE'S RECOMMENDATION FOR THE DISTANCE FROM EACH OTHER.
 3. PROVIDE MINIMUM OF 8" ON EITHER SIDE OF THE WATER HEATER AND PROVIDE MINIMUM OF 24" IN FRONT OF THE WATER HEATER.
 4. PVC CANNOT BE USED FOR VENTING. PROVIDE CATEGORY III (5" STAINLESS STEEL VENTING). SEE MANUFACTURE'S RECOMMENDATION FOR THE TYPE OF VENTING PIPE TO BE USE.
 5. CONTRACTOR TO INSTALL THE WATER HEATER TO THE WALL AS RECOMMENDED BY MANUFACTURERS DOCUMENTS AND COORDINATE INSTALLATION WITH ELECTRICAL.

1 TANKLESS WATER HEATERS PIPING DETAIL
SCALE: NONE



2 DOUBLE CHECK BACKFLOW PREVENTER DETAIL (ABOVE GROUND)
SCALE: NONE



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PLUMBING
DETAILS

SHEET SIZE 24"x 36"
M:\3000 SERIES\3029\3029-PLUMB\WC\2023_P2.01_P2.02-PLUMB DETAILS
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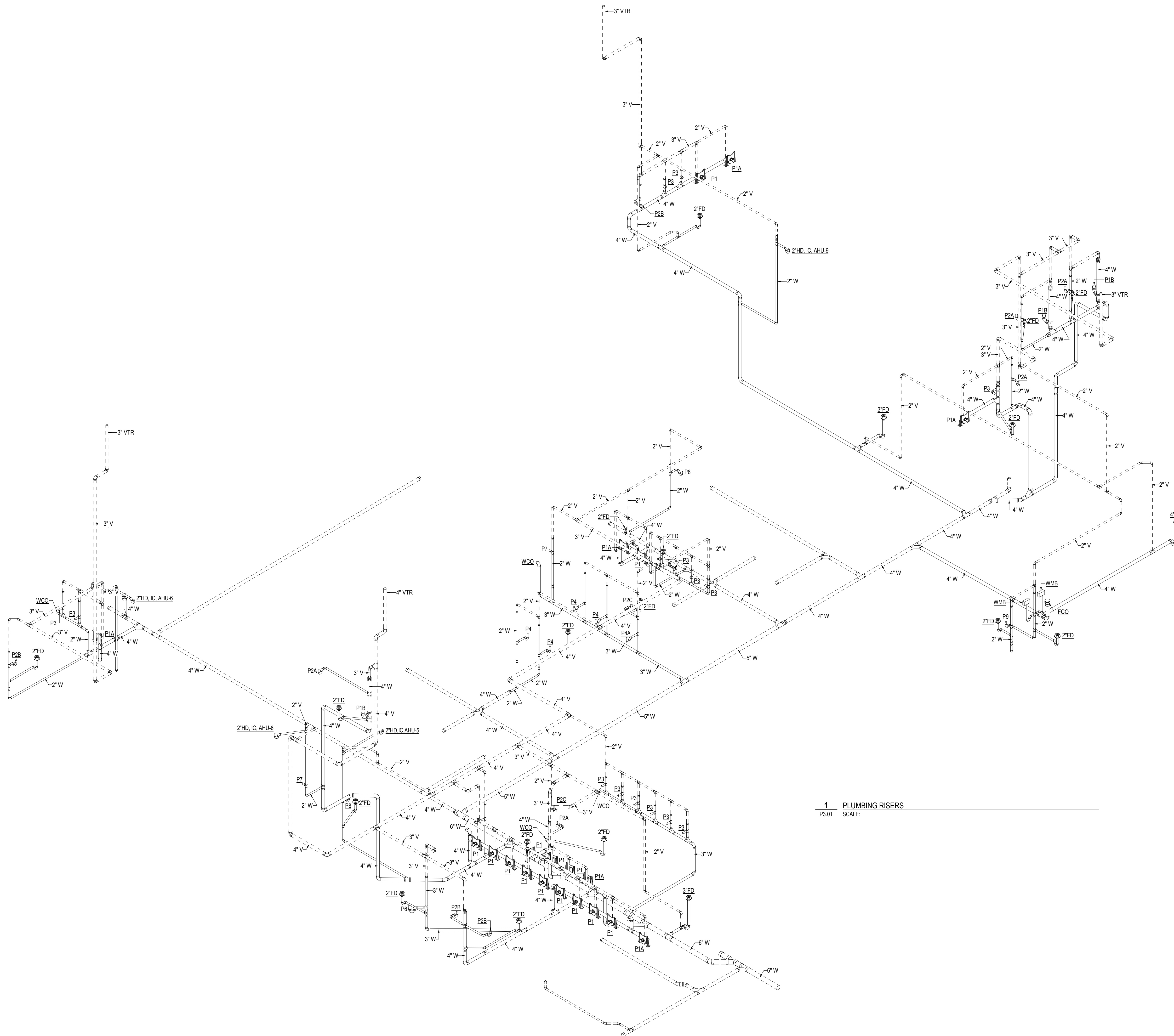
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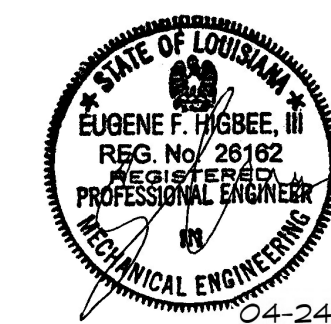
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1 PLUMBING RISERS
P3.01 SCALE:



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**PLUMBING
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- GENERAL NOTES:**
1. ALL ELECTRICAL WORK SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE - NFPA 70-2020.
 2. ALL EQUIPMENT INDICATED SHALL BE FOR USE INDOORS (NEMA 1); UNLESS NOTED OTHERWISE.
 3. ALL FUSED DISCONNECT SWITCHES SERVING EQUIPMENT SUPPLIED UNDER OTHER DIVISIONS OF THE WORK SHALL BE PROVIDED WITH FUSES AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER; UNLESS NOTED OTHERWISE.
 4. SEPARATE GREEN GROUND CONDUCTORS ARE REQUIRED FOR ALL RECEPTACLE AND FEEDER CIRCUITS; SEE SPECIFICATIONS.
 5. CONTRACTOR SHALL UTILIZE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF LIGHTING FIXTURES AND MECHANICAL EQUIPMENT.
 6. SEE ARCHITECTURAL DRAWINGS FOR AREAS BEING DEMOLISHED AND SPECIFICATIONS FOR REQUIREMENTS OF DIVISION 26000.
 7. FIRESTOP MATERIALS (U.L. LISTED) AND ARE REQUIRED AT ALL PENETRATIONS THROUGH RATED FLOORS, WALLS, CEILING AND PARTITIONS.
 8. CONDUCTORS SHALL BE COLOR CODED PER N.E.C. AS DESCRIBED IN SECTION 260553. UTILIZE ONLY THE COLORS SPECIFIED AND IDENTIFY ALL CONDUCTORS AND BOXES AS NOTED IN SECTION 260533.
 9. WRITTEN SPECIFICATIONS DESCRIBING MATERIALS AND METHODS ARE PART OF DIVISION 26000 AND SHALL BE UTILIZED THROUGHOUT THE CONSTRUCTION OF THE PROJECT.
 10. RECEPTACLES AT FIRST FLOOR TO BE MOUNTED ABOVE BASE FLOOR ELEVATION.

SYMBOL SCHEDULE – ELECTRICAL AND DIVISION 26 DOCUMENTS

SYMBOL		DESCRIPTION	SYMBOL		DESCRIPTION
CEILING	WALL		CEILING	WALL	
		LED LIGHT FIXTURE (LETTER DENOTES FIXTURE). SEE FIXTURE SCHEDULE			JUNCTION BOX WITH FIXTURE WHIP
		LED LIGHT FIXTURE ON EMERGENCY CIRCUIT			JUNCTION BOX
		LED DOWNLIGHT AND WALL SCONCE LIGHT FIXTURE. SEE FIXTURE SCHEDULE			PULLBOX OR TROUGH
		"EXIT" LIGHT FIXTURE (WITH OR WITHOUT DIRECTIONAL ARROWS)			MOTOR – SINGLE-PHASE (NUMERAL DENOTES HORSEPOWER)
		EMERGENCY BATTERY PACK FIXTURE			MOTOR – THREE PHASE (NUMERAL DENOTES HORSEPOWER)
S		SINGLE-POLE TOGGLE SWITCH			CIRCUIT BREAKER DEVICE
S _e		SINGLE POLE TOGGLE SWITCH (LETTER DENOTES FIXTURE CONTROLLED)			SWITCH DEVICE
S ₂		TWO-POLE TOGGLE SWITCH			FUSE
S ₃		THREE-WAY TOGGLE SWITCH			NORMALLY OPEN CONTACT
S ₄		FOUR-WAY TOGGLE SWITCH			NORMALLY CLOSED CONTACT
S _p		TOGGLE SWITCH WITH PILOT LIGHT			GROUND CONNECTION
S _k		KEY OPERATED TOGGLE SWITCH			WIRING (IN CONDUIT) CONCEALED IN CEILING OR WALL
S _l		SINGLE-POLE DOUBLE-THROW SWITCH FOR LOW VOLTAGE SWITCHING SYSTEM			WIRING (IN CONDUIT) CONCEALED IN OR UNDER SLAB
S _{sw}		MASTER SWITCH STATION LOW VOLTAGE SWITCHING SYSTEM			EMERGENCY WIRING (IN CONDUIT) CONCEALED IN CEILING OR WALL
S _{os}		PASSIVE INFRARED OCCUPANCY SENSOR – WALL MOUNTED			WIRING (IN CONDUIT) RUN EXPOSED
		PASSIVE INFRARED OCCUPANCY SENSOR – CEILING MOUNTED			EXISTING
		ULTRA SONIC OCCUPANCY SENSOR – CEILING MOUNTED			EXISTING TO BE REMOVED
D		SINGLE-POLE DIMMER SWITCH			WIRING (IN CONDUIT) RUN UNDER GROUND
D ₃		THREE-WAY DIMMER SWITCH			EXTEND EXISTING CONDUIT WITH NEW CONDUIT
		PUSHBUTTON STATION			CIRCUIT TURNED UP
		SPECIAL OUTLET – SEE PLAN FOR TYPE			CIRCUIT TURNED DOWN
		CLOCK OUTLET – WALL MOUNTED			OUTDOOR AERIAL CONDUCTORS
	(FLOOR)	DUPLEX OUTLET (15 AMP, 125 VOLT, NEMA 5-15R)	A		AMP
		DUPLEX OUTLET (20AMP, 120 VOLT, NEMA 5-20R)	AC		AIR CONDITION
		WEATHER-RESISTANT DUPLEX OUTLET WITH WEATHERPROOF COVER	AFF		ABOVE FINISHED FLOOR
		GROUND FAULT CIRCUIT INTERRUPTER DUPLEX OUTLET	ANN		ANNUNCIATOR PANEL
	(FLR)	QUADRUPLEX OUTLET (2-15 AMP, 125-VOLT, NEMA 5-15R MOUNTED IN ONE BOX)	C		CONDUIT
	(FLR)	TELEPHONE OUTLET – FLUSH WALL MOUNTED	C/B		CIRCUIT BREAKER
	(FLR)	DATA OUTLET – FLUSH WALL MOUNTED	EOLR		END OF LINE RESISTOR
		TELEPHONE/DATA OUTLET – FLUSH WALL MOUNTED	GFI		GROUND FAULT INTERRUPTER
		BRANCH CIRCUIT PANELBOARD	GND		GROUND
		DISTRIBUTION PANELBOARD	P		POLE
		MANUAL MOTOR STARTING SWITCH	UON		UNLESS OTHERWISE NOTED
		DISCONNECT SWITCH – FUSED UNLESS OTHERWISE NOTED	V		VOLT
		MAGNETIC MOTOR STARTER (SUPPLIED UNDER DIVISION 23000)	WH		WATER HEATER
		COMBINATION STARTER/DISCONNECT SWITCH – FUSED UNLESS OTHERWISE NOTED	W		WIRE
		CCTV CAMERA			TELEPHONE BACKBOARD
		TELEVISION ANTENNA OUTLET			NOTE REFERENCE
		MICROPHONE OUTLET			HOMERUN TO PANELBOARD WITH NOMENCLATURE (LETTERS), CIRCUIT NUMBERS (NUMBERS), NUMBER OF PHASE AND NEUTRAL CONDUCTORS WHEN MORE THAN TWO (HASH MARKS), OPPOSITE SLANT DENOTES GROUND, NUMBER OF CIRCUITS (NUMBER OF ARROWS)
		DOOR HOLDER/RELEASE MECHANISM			FLOOR PLAN AND DETAIL: "X" DENOTES PLAN AND DETAIL NUMBER
		SPEAKER			SECTION: "X" DENOTES SECTION ALPHA "Y" DENOTES SHEET SECTION IS DRAWN ON
		SECURITY SYSTEM COMPONENT (SUBSCRIPT AS REQUIRED)			DETAIL: "X" DENOTES DETAIL NUMBER "Y" DENOTES SHEET DETAIL IS DRAWN ON
	F.A.C.P.	FIRE ALARM CONTROL PANEL			DETAIL/SECTION REFERENCE: "X" DENOTES DETAIL/SECTION NUMBER OR ALPHA "Y" DENOTES SHEET DETAIL/SECTION IS REFERENCED FROM "Z" DENOTES SHEET DETAIL/SECTION IS DRAWN ON
		SMOKE DETECTOR – MOUNTED ON CEILING			ENLARGED REFERENCE: "X" DENOTES DETAIL NUMBER "Y" DENOTES SHEET DETAIL IS DRAWN ON
		SMOKE DETECTOR WITH SAMPLING TUBE (A/H UNITS)			
		FIRE ALARM FLOW SWITCH			
		FIRE ALARM TAMPERS SWITCH			
		FIRE ALARM PULL STATION			
		FIRE ALARM COMBINATION AUDIO/VISUAL ANNUNCIATION UNIT			
		FIRE ALARM STROBE			
		CEILING MOUNTED FIRE ALARM STROBE			
		HEAT DETECTOR			
		FIRE ALARM RELAY			

FIXTURE SCHEDULE

F1	2' x 2' EDGE LIT FLAT PANEL, LED; GRID LAY-IN; WHITE FROSTED ACRYLIC LENS; WHITE FINISH. DRIVER: UNIVERSAL 120-277 VOLT ELECTRONIC DIMMING DRIVER; 0-10 VOLT DIMMING TO 10-PERCENT. LEDS: 3500K; 80 CRI; 4300 LUMENS, 38.3 WATTS. BASIS OF DESIGN: METALUX 22FP SERIES.
F1E	SAME AS F1, BUT WITH 10-WATT EMERGENCY BATTERY.
F2	2'x4' EDGE LIT PANEL, FPS LED; GRID LAY-IN; WHITE FROSTED ACRYLIC LENS; WHITE FINISH. DRIVER: UNIVERSAL 120-277 VOLT ELECTRONIC DIMMING DRIVER; 0-10 VOLT DIMMING TO 10-PERCENT. LEDS: 3500K; 80 CRI; 3500 LUMENS, 29 WATTS. BASIS OF DESIGN: METALUX 24FP SERIES.
F2E	SAME AS F2 EXCEPT INCLUDE 10-WATT EMERGENCY BATTERY PACK. BASIS OF DESIGN: METALUX 24FP SERIES.
F2A	2'x4' EDGE LIT PANEL, FPS LED; GRID LAY-IN; WHITE FROSTED ACRYLIC LENS; WHITE FINISH. DRIVER: UNIVERSAL 120-277 VOLT ELECTRONIC DIMMING DRIVER; 0-10 VOLT DIMMING TO 10-PERCENT. LEDS: 3500K; 80 CRI; 4700 LUMENS, 41 WATTS. BASIS OF DESIGN: METALUX 24FP SERIES.
F2AE	SAME AS F2A EXCEPT INCLUDE 10-WATT EMERGENCY BATTERY PACK. BASIS OF DESIGN: METALUX 24FP SERIES.
F2B	2'x4' EDGE LIT PANEL, FPS LED; GRID LAY-IN; WHITE FROSTED ACRYLIC LENS; WHITE FINISH. DRIVER: UNIVERSAL 120-277 VOLT ELECTRONIC DIMMING DRIVER; 0-10 VOLT DIMMING TO 10-PERCENT. LEDS: 3500K; 80 CRI; 6000 LUMENS, 60 WATTS. BASIS OF DESIGN: METALUX 24FP SERIES.
F3	6" ROUND OPEN DOWNLIGHT; WIDE DISTRIBUTION; SELF-FLANGED; SEMI-SPECULAR, CLEAR ALUMINUM REFLECTOR; POLISHED FLANGE; UNIVERSAL MOUNTING BRACKET. DRIVER: UNIVERSAL 120-277 VOLT ELECTRONIC DIMMING DRIVER; 0-10 VOLT DIMMING TO 1-PERCENT. LEDS: 3500K CCT, 80 CRI, 1185 LUMENS, 10 WATTS. BASIS OF DESIGN: HALO COMMERCIAL HC-6 SERIES.
F3E	SAME AS F3, BUT WITH 7-WATT EMERGENCY BATTERY.
F3A	6" ROUND OPEN DOWNLIGHT; WIDE DISTRIBUTION; SELF-FLANGED; SEMI-SPECULAR, CLEAR ALUMINUM REFLECTOR; POLISHED FLANGE; UNIVERSAL MOUNTING BRACKET. DRIVER: UNIVERSAL 120-277 VOLT ELECTRONIC DIMMING DRIVER; 0-10 VOLT DIMMING TO 1-PERCENT. LEDS: 3500K CCT, 80 CRI, 1500 LUMENS, 16.1 WATTS. BASIS OF DESIGN: HALO COMMERCIAL HC-6 SERIES.
F3AE	SAME AS F3A, BUT WITH 7-WATT EMERGENCY BATTERY.
F4	4" ROUND OPEN DOWNLIGHT; WIDE DISTRIBUTION; SELF-FLANGED; SEMI-SPECULAR, CLEAR ALUMINUM REFLECTOR; POLISHED FLANGE; UNIVERSAL MOUNTING BRACKET. DRIVER: UNIVERSAL 120-277 VOLT ELECTRONIC DIMMING DRIVER; 0-10 VOLT DIMMING TO 1-PERCENT. LEDS: 3500K CCT, 80 CRI, 2100 LUMENS, 20 WATTS. BASIS OF DESIGN: HALO COMMERCIAL HC-4 SERIES.
F4E	SAME AS F4, BUT WITH 7-WATT EMERGENCY BATTERY.
F5	NOT USED.
F6	ROUND HIGHBAY LED, INCLUDE CLEAR POLYCARBONATE REFLECTOR AND WIREGUARD. DRIVER: UNIVERSAL 120-277 VOLT ELECTRONIC DIMMING DRIVER; 0-10 VOLT DIMMING TO 1-PERCENT. LEDS: 4000K CCT, 80 CRI, 26,000 LUMENS, 197 WATTS. BASIS OF DESIGN: METALUX UHBS SERIES.
F7	48" VANITY LED; AGED BRASS FINISH; MATTE WHITE ACRYLIC DIFFUSER; WALL MOUNT; UL DRY/DAMP LISTED; ADA COMPLIANT. DRIVER: UNIVERSAL 120-277 VOLT ELECTRONIC DIMMING DRIVER; TRIAC DIMMING. LEDS: 3000K CCT, 90 CRI, 2240 LUMENS, 32 WATTS. BASIS OF DESIGN: MAXIM LIGHTING MODEL 52008.
F7A	30" VANITY LED; AGED BRASS FINISH; MATTE WHITE ACRYLIC DIFFUSER; WALL MOUNT; UL DRY/DAMP LISTED; ADA COMPLIANT. DRIVER: UNIVERSAL 120-277 VOLT ELECTRONIC DIMMING DRIVER; TRIAC DIMMING. LEDS: 3000K CCT, 90 CRI, 1400 LUMENS, 20 WATTS. BASIS OF DESIGN: MAXIM LIGHTING MODEL 52004.
F8	NOT USED.
F9	4' SQUARE-LENSED LED STRIP; SURFACE MOUNT; WIDE DISTRIBUTION; FROSTED CONTINUOUS LENS; BLACK FINISH, PAF. DRIVER: UNIVERSAL 120-277 VOLT ELECTRONIC DIMMING DRIVER; 0-10 VOLT DIMMING TO 10-PERCENT. LEDS: 3500K CCT, 80 CRI, 5400 LUMENS, 55 WATTS. BASIS OF DESIGN: METALUX SNLED LENSED SERIES.
F9E	SAME AS F9 EXCEPT INCLUDE 10-WATT EMERGENCY BATTERY PACK.
F9A	SAME AS F9 EXCEPT PROVIDE 1500 LUMENS, 13 WATTS.
F9AE	SAME AS F9A EXCEPT INCLUDE 10-WATT EMERGENCY BATTERY PACK.
F9B	SAME AS F9 EXCEPT PROVIDE 3200 LUMENS, 28 WATTS.
F9BE	SAME AS F9B EXCEPT INCLUDE 10-WATT EMERGENCY BATTERY PACK.
F9C	SAME AS F9 EXCEPT PROVIDE 6400 LUMENS, 70 WATTS.
F9CE	SAME AS F9C EXCEPT INCLUDE 10-WATT EMERGENCY BATTERY PACK.
F10	4' LED LENSED STRIPLIGHT DRIVER: UNIVERSAL 120-277 VOLT ELECTRONIC DIMMING DRIVER; 0-10 VOLT DIMMING TO 10-PERCENT. LEDS: 3500K CCT, 80 CRI, 4695 LUMENS, 41-WATTS BASIS OF DESIGN: METALUX CAT# 4SLSTP4035DD-UNV
F11	2" LINEAR RECESSED LED, 20' LONG, 750 LUMEN/FT (7W/FT), 80 CRI, 3500K, WALL WASHER, WHITE FINISH. DRIVER: UNIVERSAL 120-277 VOLT ELECTRONIC DIMMING DRIVER; 0-10 VOLT DIMMING TO 1-PERCENT. DRYWALL FLANGE. BASIS OF DESIGN: AXIS LIGHTING BEAM 2 SQUARE
F12	4' LINEAR, NON-DIRECTIONAL, RECESSED LED LIGHT; WIDE DIFFUSE, DISTRIBUTION; WHITE LENS; WHITE FINISH. INCLUDE 10 W EMERGENCY BATTERY. DRIVER: UNIVERSAL 120-277 VOLT ELECTRONIC DIMMING DRIVER; 0-10 VOLT DIMMING TO 1-PERCENT. LEDS: 3500K CCT, 80 CRI, 350 LUMENS/FT, 3.5 WATTS/FT. BASIS OF DESIGN: STARTEK SLIM BEAM
F12A	12' LINEAR, NON-DIRECTIONAL, RECESSED LED LIGHT; WIDE DIFFUSE, DISTRIBUTION; WHITE LENS; WHITE FINISH. DRIVER: UNIVERSAL 120-277 VOLT ELECTRONIC DIMMING DRIVER; 0-10 VOLT DIMMING TO 1-PERCENT. LEDS: 3500K CCT, 80 CRI, 350 LUMENS/FT, 3.5 WATTS/FT. BASIS OF DESIGN: STARTEK SLIM BEAM
F12B	2" LINEAR, RECESSED LED LIGHT, DRYWALL CEILING, SYMMETRIC DISTRIBUTION; WHITE LENS; WHITE FINISH, RECTANGULAR SHAPE 4' ON SHORT SIDES AND 12' ON LONG SIDE. DRIVER: UNIVERSAL 120-277 VOLT ELECTRONIC DIMMING DRIVER; 0-10 VOLT DIMMING TO 1-PERCENT. LEDS: 3500K CCT, 80 CRI, 350 LUMENS/FT, 3.5 WATTS/FT. BASIS OF DESIGN: STARTEK SLIM BEAM
F12C	2" LINEAR, RECESSED LED LIGHT, DRYWALL CEILING, SYMMETRIC DISTRIBUTION; WHITE LENS; WHITE FINISH, RECTANGULAR SHAPE 6' ON SHORT SIDES AND 12' ON LONG SIDE. DRIVER: UNIVERSAL 120-277 VOLT ELECTRONIC DIMMING DRIVER; 0-10 VOLT DIMMING TO 1-PERCENT. LEDS: 3500K CCT, 80 CRI, 500 LUMENS/FT, 5.0 WATTS/FT. BASIS OF DESIGN: STARTEK SLIM BEAM
F12D	2" LINEAR, RECESSED LED LIGHT, T-BAR CEILING, SYMMETRIC DISTRIBUTION; WHITE LENS; WHITE FINISH, RECTANGULAR SHAPE 4' ON SHORT SIDES AND 12' ON LONG SIDE. DRIVER: UNIVERSAL 120-277 VOLT ELECTRONIC DIMMING DRIVER; 0-10 VOLT DIMMING TO 1-PERCENT. LEDS: 3500K CCT, 80 CRI, 350 LUMENS/FT, 3.5 WATTS/FT. BASIS OF DESIGN: STARTEK SLIM BEAM
F13	2" LINEAR RECESSED LED, 6' LONG, 750 LUMEN/FT (7W/FT), 80 CRI, 3500K, WALL WASHER, WHITE FINISH. DRIVER: UNIVERSAL 120-277 VOLT ELECTRONIC DIMMING DRIVER; 0-10 VOLT DIMMING TO 1-PERCENT. DRYWALL FLANGE. BASIS OF DESIGN: AXIS LIGHTING BEAM 2 SQUARE
F13A	2" LINEAR RECESSED LED, 20' LONG, 750 LUMEN/FT (7W/FT), 80 CRI, 3500K, WALL WASHER, WHITE FINISH. DRIVER: UNIVERSAL 120-277 VOLT ELECTRONIC DIMMING DRIVER; 0-10 VOLT DIMMING TO 1-PERCENT. DRYWALL FLANGE. BASIS OF DESIGN: CORELITE DIVIDE-DM1 SERIES
F14	4' SURFACE AND WALL LED, 4400 LUMENS, FULL FROST LENS WIDE OPTIC, UNIVERSAL VOLTAGE, 14 W EMERGENCY BATTERY PACK, 3500K, 0-10 VOLT DIMMING (1-100% DIMMING), 1 DRIVER, 0-10 VOLT STAND ALONE, INTEGRATED OCCUPANCY AND DAYLIGHT SENSOR 500 SQ-FT. THE FIXTURE SHALL BE SET TO DIM TO 10% LIGHT LEVEL WHEN THE OCCUPANCY SENSOR DETECTS NO OCCUPANCY. BASIS OF DESIGN: METALUX 4SWLED SERIES
F15E	4' STAIR LIGHT, WALL MOUNT, LED FIXTURE; 14-WATT EMERGENCY BATTERY; DIFFUSE LENS; FORMED 20 GAUGE STEEL; SILVER FINISH DRIVER: UNIVERSAL 120-277 VOLT ELECTRONIC DIMMING DRIVER; 0-10 VOLT DIMMING TO 1-PERCENT. LEADS: 3500K CCT, 80 CRI, 2500 LUMENS, 20 WATTS. INCLUDE WAVELINX LITE WIRELESS INTEGRATED SENSOR, THE FIXTURE SHALL BE SET TO DIM TO 10% LIGHT LEVEL WHEN THE OCCUPANCY SENSOR DETECTS NO OCCUPANCY. BASIS OF DESIGN: CORELITE DIVIDE-DM1 SERIES
F16	EXTERIOR, CURVED 2 METER ALUMINUM LED CHANNEL BASIS OF DESIGN: KELVIX CH-602
F17	LINEAR LED LIGHTBAR, 46"; 33.2 WATTS, 2836 LUMENS, 4100K, 13 X17 DEGREE OPTICS, 120/277 VAC, 0-10 VOLT DIMMING, WHITE FINISH (CONFIRM WITH ARCHITECT), INCLUDE POWER COAT HOUSING AND 12" EXTENSION ARM AND MOUNTING BRACKET (2). SMART LIGHTING CAT# HB40HP-46"-41K-AC-D-HB40EXT-BK-12"-AL-HB40 FLAT-BRACKET.
F18	CANLESS LED 6" DOWNLIGHT, SELECTABLE COLOR TEMPERATURE (SET AT 3500K), MATTE WHITE REFLECTOR, WET LOCATION LISTED FOR SHOWERS. DRIVER: UNIVERSAL 120-277 VOLT ELECTRONIC DIMMING DRIVER; 0-10 VOLT DIMMING TO 10-PERCENT. LEDS: 3500K CCT, 90 CRI, 900 LUMENS, 12 WATTS. BASIS OF DESIGN HALO HLBSL6 SERIES
F19	4' LED VAPORTITE FIXTURE, STAINLESS STEEL LATCHES WITH TAMPERS-PROOF SCREWS. DRIVER: UNIVERSAL 120-277 VOLT, 1 DIMMING DRIVER, LEDS: 4000K CCT, 80 CRI, 4000 LUMENS, 31 WATTS BASIS OF DESIGN: METALUX VT3
F19E	SAME AS F19 EXCEPT INCLUDE 10-W EMERGENCY BATTERY PACK.
F20	TWO CIRCUIT TRACK, BLACK, 12' LONG, WITH FIVE LED TRACK HEADS, EACH WITH 1100 LUMENS, AND FLOOD DISTRIBUTION, INCLUDE PRISMATIC SPREAD LENS. DRIVER: 5%-100 DIMMING WITH LEADING EDGE AND TRAILING

EDGE PHASE CONTROL DIMMERS.

LEDS: 3500 K CCT, 80 CRI, 1100 LUMENS EA HEAD, 5500 LUMENS TOTAL, 15-WATTS EA HEAD, 75 WATTS TOTAL

BASIS OF DESIGN JUNO TU SERIES (TRACK)

BASIS OF DESIGN JUNO 605L (TRACK HEAD)

BASIS OF DESIGN JUNO PRISM 200 (SPREAD LENS)

F21 TWO CIRCUIT TRACK, BLACK, U SHAPED AS SHOWN ON THE DRAWINGS WITH THE BOTTOM OF THE U 10' LONG AND EACH SIDE OF THE U APPROXIMATELY 7' LONG, INCLUDE 12-10.5-WATT LED TRACK HEADS, EACH WITH 919 LUMENS, AND WIDE FLOOD DISTRIBUTION.

DRIVER: 5%-100 DIMMING WITH LEADING EDGE AND TRAILING EDGE PHASE CONTROL DIMMERS.

BASIS OF DESIGN JUNO TU SERIES (TRACK)

BASIS OF DESIGN JUNO 605L (TRACK HEAD)

F22 7' LED RECESSED LED LINEAR, WET LOCATION, 4000K, STANDARD OUTPUT (4.7 WATTS/FT (33 W) 457 LUMENS/FT), INDIVIDUAL FIXTURE, RECESS MOUNT, UNIVERSAL VOLTAGE, 1% 0-10 VOLT DIMMING DRIVER, SINGLE CIRCUIT, WHITE FINISH (CONFIRM).

BASIS OF DESIGN: PINNACLE ARCHITECTURAL LIGHTING EV3-WET-N SERIES

F22E SAME AS F22 EXCEPT INCLUDE 10-W EMERGENCY BATTERY PACK.

BASIS OF DESIGN: PINNACLE ARCHITECTURAL LIGHTING EV3-WET-N SERIES

F23 4' LINEAR LED WALL MOUNT. FROSTED CONTINUOUS LENS, 2,000 LUMENS, 80 CRI, 3500K, 1 SINGLE CIRCUIT, UNIVERSAL VOLTAGE (120-277V), SENSOR READY (1%-100%), WAVE LINX LITE WIRELESS INTEGRATED SENSOR, 6-WATT EMERGENCY BATTERY PACK, WHITE FINISH, WALL MOUNT, 4' LENGTH.

BASIS OF DESIGN CORELITE CONTINUE WALL LED.

F24 4' LINEAR LED RECESS MOUNT. FROSTED CONTINUOUS LENS, 500 LUMENS/FT, 80 CRI, 3500K, 1 SINGLE CIRCUIT, UNIVERSAL VOLTAGE (120-277V), 0-10 VOLT DIMMING (1%-100%), WAVE LINX LITE WIRELESS INTEGRATED SENSOR, 6-WATT EMERGENCY BATTERY PACK, WHITE FINISH, FLANGED (GYP BOARD), 4' LENGTH.

BASIS OF DESIGN CORELITE CONTINUE SQ4R RECESSED SERIES

EX DIE CAST ALUMINUM LED EXIT SIGN, SELF POWERED, SINGLE OR DOUBLE FACE, RED LETTER, 120/277 DUAL VOLTAGE.

BASIS OF DESIGN: SURELITES CAT# CX7W

EX1 SAME AS EX EXCEPT INCLUDE WALL MOUNTED WIRE GUARD.

EX2 EDGE LIT LED EXIT SIGN, ANODIZED ALUMINUM HOUSING, SINGLE FACE, RED LETTER, 120/277 DUAL VOLTAGE, MAINTENANCE-FREE NICKEL CADMIUM BATTERY.
BASIS OF DESIGN: SURELITES CAT# EUR-7-0-R

EM EMERGENCY LIGHT, NICKEL CADMIUM BATTERY, 3.6V LED HEADS-WHITE HOUSING COLOR.

BASIS OF DESIGN: SURELITES CAT# APFL

SHEET SIZE 24"x 36"
M:\3000 SERIES\3029A\3029A-ELEC\MISC\3029-ED-01-ELEC LEGEND AND NOTES
5/25/2023 11:10 AM
sandy

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PROJECT NUMBER: CN21101
ISSUE DATE: 05/26/23

These plans and specifications have been prepared by or under our supervision and, to the best of our knowledge and belief, they comply with all City requirements.

Engineer: Richard E. Nichols
License Number: 25599

Periodic site visits will (will not) be made by our firm

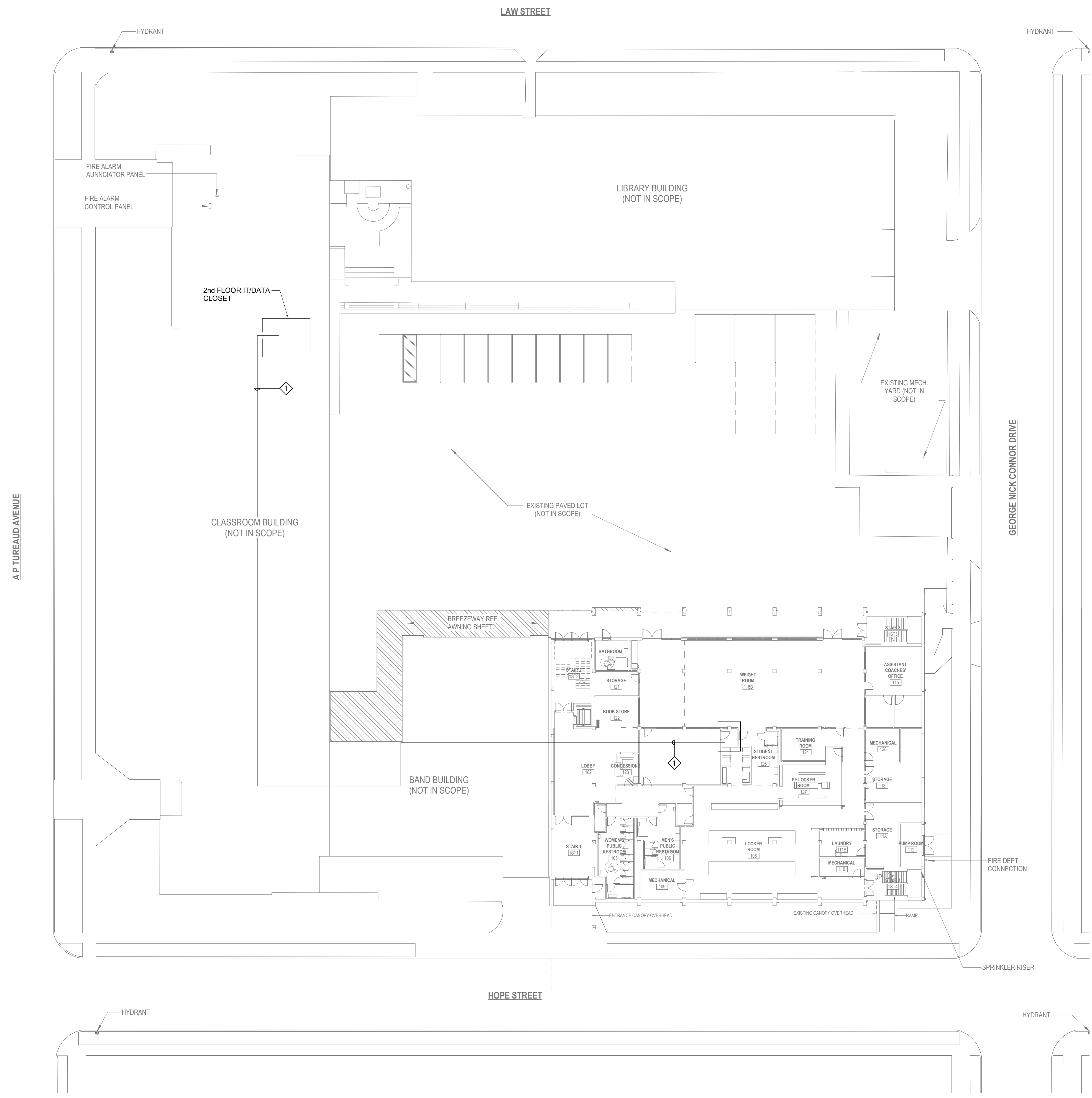
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WELLNESS CENTER
RENOVATION
2600 A.P. TUREAUD AVE
NEW ORLEANS, LA 70119

SPECIFIC NOTES



ROUTE NEW 12 STAND SINGLE MODE OS2 FIBER (SIX PAIR) 9 MICRONS IN DIAMETER IN A 2" CONDUIT FROM IDF ROOM SHOWN IN MAIN SCHOOL BUILDING TO NEW IDF WALL RACK IN RENOVATED GYM BUILDING. ROUTE CONDUIT ABOVE CEILING IN BOTH BUILDING. PROVIDE PULL BOXES AS REQUIRED. TERMINATE ALL FIBERS ON THE I.T. RACKS IN EACH AREA.

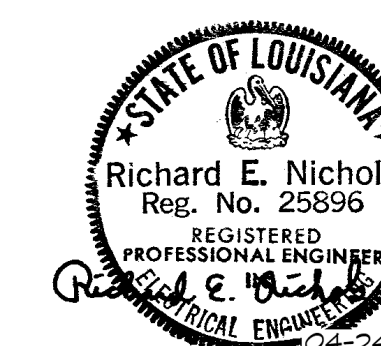


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REVISION #	DESCRIPTION	DATE



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ELECTRICAL
PLAN - SITE

E1.00

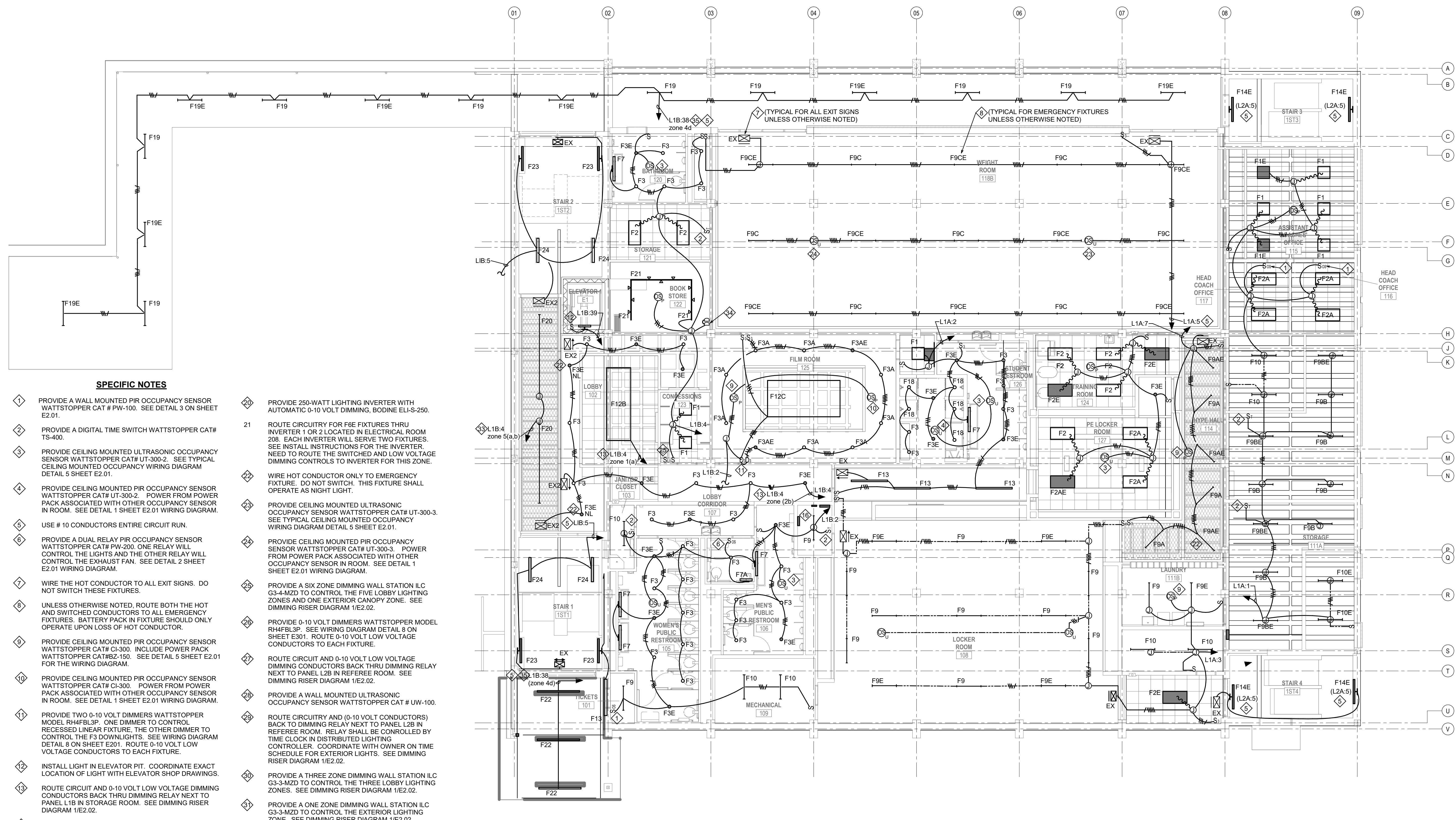
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REVISION #	DESCRIPTION	DATE



SPECIFIC NOTES

- 1 PROVIDE A WALL MOUNTED PIR OCCUPANCY SENSOR WATTSTOPPER CAT # PW-100. SEE DETAIL 3 ON SHEET E2.01.
- 2 PROVIDE A DIGITAL TIME SWITCH WATTSTOPPER CAT# TS-400.
- 3 PROVIDE CEILING MOUNTED ULTRASONIC OCCUPANCY SENSOR WATTSTOPPER CAT# UT-300-2. SEE TYPICAL CEILING MOUNTED OCCUPANCY WIRING DIAGRAM DETAIL 5 SHEET E2.01.
- 4 PROVIDE CEILING MOUNTED PIR OCCUPANCY SENSOR WATTSTOPPER CAT# UT-300-2. POWER FROM POWER PACK ASSOCIATED WITH OTHER OCCUPANCY SENSOR IN ROOM. SEE DETAIL 1 SHEET E2.01 WIRING DIAGRAM.
- 5 USE # 10 CONDUCTORS ENTIRE CIRCUIT RUN.
- 6 PROVIDE A DUAL RELAY PIR OCCUPANCY SENSOR WATTSTOPPER CAT# PW-200. ONE RELAY WILL CONTROL THE LIGHTS AND THE OTHER RELAY WILL CONTROL THE EXHAUST FAN. SEE DETAIL 2 SHEET E2.01 WIRING DIAGRAM.
- 7 WIRE THE HOT CONDUCTOR TO ALL EXIT SIGNS. DO NOT SWITCH THESE FIXTURES.
- 8 UNLESS OTHERWISE NOTED, ROUTE BOTH THE HOT AND SWITCHED CONDUCTORS TO ALL EMERGENCY FIXTURES. BATTERY PACK IN FIXTURE SHOULD ONLY OPERATE UPON LOSS OF HOT CONDUCTOR.
- 9 PROVIDE CEILING MOUNTED PIR OCCUPANCY SENSOR WATTSTOPPER CAT# CI-300. INCLUDE POWER PACK WATTSTOPPER CAT# W-150. SEE DETAIL 5 SHEET E2.01 FOR THE WIRING DIAGRAM.
- 10 PROVIDE CEILING MOUNTED PIR OCCUPANCY SENSOR WATTSTOPPER CAT# CI-300. POWER FROM POWER PACK ASSOCIATED WITH OTHER OCCUPANCY SENSOR IN ROOM. SEE DETAIL 1 SHEET E2.01 WIRING DIAGRAM.
- 11 PROVIDE TWO 0-10 VOLT DIMMERS WATTSTOPPER MODEL RH4FB3P. ONE DIMMER TO CONTROL RECESSED LINEAR FIXTURE, THE OTHER DIMMER TO CONTROL THE F3 DOWNLIGHTS. SEE WIRING DIAGRAM DETAIL 8 ON SHEET E2.01. ROUTE 0-10 VOLT LOW VOLTAGE CONDUCTORS TO EACH FIXTURE.
- 12 INSTALL LIGHT IN ELEVATOR PIT. COORDINATE EXACT LOCATION OF LIGHT WITH ELEVATOR SHOP DRAWINGS.
- 13 ROUTE CIRCUIT AND 0-10 VOLT LOW VOLTAGE DIMMING CONDUCTORS BACK THRU DIMMING RELAY NEXT TO PANEL L1B IN STORAGE ROOM. SEE DIMMING RISER DIAGRAM 1/E2.02.
- 14 WALL MOUNTED EXTERIOR FIXTURE AT 28'-5". SEE EXTERIOR ELEVATIONS SHEET A301 AND CONFIRM HEIGHT WITH ARCHITECT.
- 15 ROUTE CIRCUIT AND 0-10 VOLT LOW VOLTAGE DIMMING CONDUCTORS BACK THRU DIMMING RELAY IN ELECTRICAL ROOM 208. SEE DIMMING RISER DIAGRAM 1/E2.02.
- 16 PROVIDE DISTRIBUTED LIGHTING CONTROLLER ILC MODEL #LLEV0-TC. ALSO PROVIDE REMOTE DIMMING RELAYS ILC MODEL R200 ABOVE PANEL. SEE DIMMING RISER DIAGRAM 1/E2.02.
- 17 PROVIDE DISTRIBUTED LIGHTING CONTROLLER ILC MODEL #LLEV0-4X. SEE DIMMING RISER DIAGRAM 1/E2.02.
- 18 PROVIDE 0-10 VOLT DIMMING RELAY TO CONTROL GYM FIXTURES. SEE DIMMING RISER DIAGRAM 1/E2.02.
- 19 PROVIDE A 3-SCENE WALL STATION ILC LSG3-XX-3-S AND ONE SIX ZONE DIMMING WALL STATION. COORDINATE THE EXACT SCENES WITH SCHOOL AT TIME OF INSTALL. SUGGESTED SCENES: BASKETBALL HOME GAME WITH LIGHTS OVER THE COURT AT 100% AND THE LIGHTS OVER THE STANDS AT 20%. SCENE 2 - NORMAL EVERYDAY PE CLASS LEVELS ALL LIGHTS IN GYM AT 60-80% DIM. SCENE 3 - USER SELECTED FOR SPECIAL EVENTS.
- 20 PROVIDE 250-WATT LIGHTING INVERTER WITH AUTOMATIC 0-10 VOLT DIMMING. BODINE ELI-S-250.
- 21 ROUTE CIRCUITRY FOR F0E FIXTURES THRU INVERTER 1 OR 2 LOCATED IN ELECTRICAL ROOM 208. EACH INVERTER WILL SERVE TWO FIXTURES. SEE INSTALL INSTRUCTIONS FOR THE INVERTER. NEED TO ROUTE THE SWITCHED AND LOW VOLTAGE DIMMING CONTROLS TO INVERTER FOR THIS ZONE.
- 22 WIRE HOT CONDUCTOR ONLY TO EMERGENCY FIXTURE. DO NOT SWITCH. THIS FIXTURE SHALL OPERATE AS NIGHT LIGHT.
- 23 PROVIDE CEILING MOUNTED ULTRASONIC OCCUPANCY SENSOR WATTSTOPPER CAT# UT-300-3. SEE TYPICAL CEILING MOUNTED OCCUPANCY WIRING DIAGRAM DETAIL 5 SHEET E2.01.
- 24 PROVIDE CEILING MOUNTED PIR OCCUPANCY SENSOR WATTSTOPPER CAT# UT-300-3. POWER FROM POWER PACK ASSOCIATED WITH OTHER OCCUPANCY SENSOR IN ROOM. SEE DETAIL 1 SHEET E2.01 WIRING DIAGRAM.
- 25 PROVIDE A SIX ZONE DIMMING WALL STATION ILC G3-4-MZD TO CONTROL THE FIVE LOBBY LIGHTING ZONES AND ONE EXTERIOR CANOPY ZONE. SEE DIMMING RISER DIAGRAM 1/E2.02.
- 26 PROVIDE 0-10 VOLT DIMMERS WATTSTOPPER MODEL RH4FB3P. SEE WIRING DIAGRAM DETAIL 8 ON SHEET E3.01. ROUTE 0-10 VOLT LOW VOLTAGE CONDUCTORS TO EACH FIXTURE.
- 27 ROUTE CIRCUIT AND 0-10 VOLT LOW VOLTAGE DIMMING CONDUCTORS BACK THRU DIMMING RELAY NEXT TO PANEL L2B IN REFEREE ROOM. SEE DIMMING RISER DIAGRAM 1/E2.02.
- 28 PROVIDE A WALL MOUNTED ULTRASONIC OCCUPANCY SENSOR WATTSTOPPER CAT # UW-100.
- 29 ROUTE CIRCUITRY AND (0-10 VOLT CONDUCTORS) BACK TO DIMMING RELAY NEXT TO PANEL L2B IN REFEREE ROOM. RELAY SHALL BE CONTROLLED BY TIME CLOCK IN DISTRIBUTED LIGHTING CONTROLLER. COORDINATE WITH OWNER ON TIME SCHEDULE FOR EXTERIOR LIGHTS. SEE DIMMING RISER DIAGRAM 1/E2.02.
- 30 PROVIDE A THREE ZONE DIMMING WALL STATION ILC G3-3-MZD TO CONTROL THE THREE LOBBY LIGHTING ZONES. SEE DIMMING RISER DIAGRAM 1/E2.02.
- 31 PROVIDE A ONE ZONE DIMMING WALL STATION ILC G3-3-MZD TO CONTROL THE EXTERIOR LIGHTING ZONE. SEE DIMMING RISER DIAGRAM 1/E2.02.
- 32 PROVIDE A LINE VOLTAGE DIMMING PANEL (4 OUTPUTS) ILC MODEL LSLVD-4-500 TO CONTROL THE PUBLIC AREA DIMMING ZONES INDICATED. SEE LIGHTING CONTROL DIMMING RISER DIAGRAM ON SHEET 1/E2.02 FOR MORE INFORMATION.
- 33 ROUTE THE TWO DIMMING ZONES FOR THE TWO CIRCUIT TRACK BACK TO THE LINE VOLTAGE DIMMING PANEL DP-1. SEE LIGHTING CONTROL DIMMING RISER DIAGRAM ON SHEET 1/E2.02 FOR MORE INFORMATION.
- 34 PROVIDE TWO UNIVERSAL DIMMERS WATTSTOPPER MODEL RH703PTUW. EACH DIMMER CONTROLS HALF OF THE TWO CIRCUIT TRACK.
- 35 ROUTE CIRCUITRY BACK TO DIMMING RELAY NEXT TO PANEL L1B IN STORAGE ROOM 108A. RELAY SHALL BE CONTROLLED BY TIME CLOCK IN DISTRIBUTED LIGHTING CONTROLLER. NOTE ROUTE 0-10 VOLT DIMMING CONDUCTORS TO F22 FIXTURES AT HOPE STREET CANOPY. COORDINATE WITH OWNER ON TIME SCHEDULE FOR EXTERIOR LIGHTS. SEE DIMMING RISER DIAGRAM 1/E2.02.

1 LIGHTING PLAN - FIRST FLOOR
E1.11 SCALE: 1/8" = 1'-0"



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LIGHTING PLAN - FIRST FLOOR

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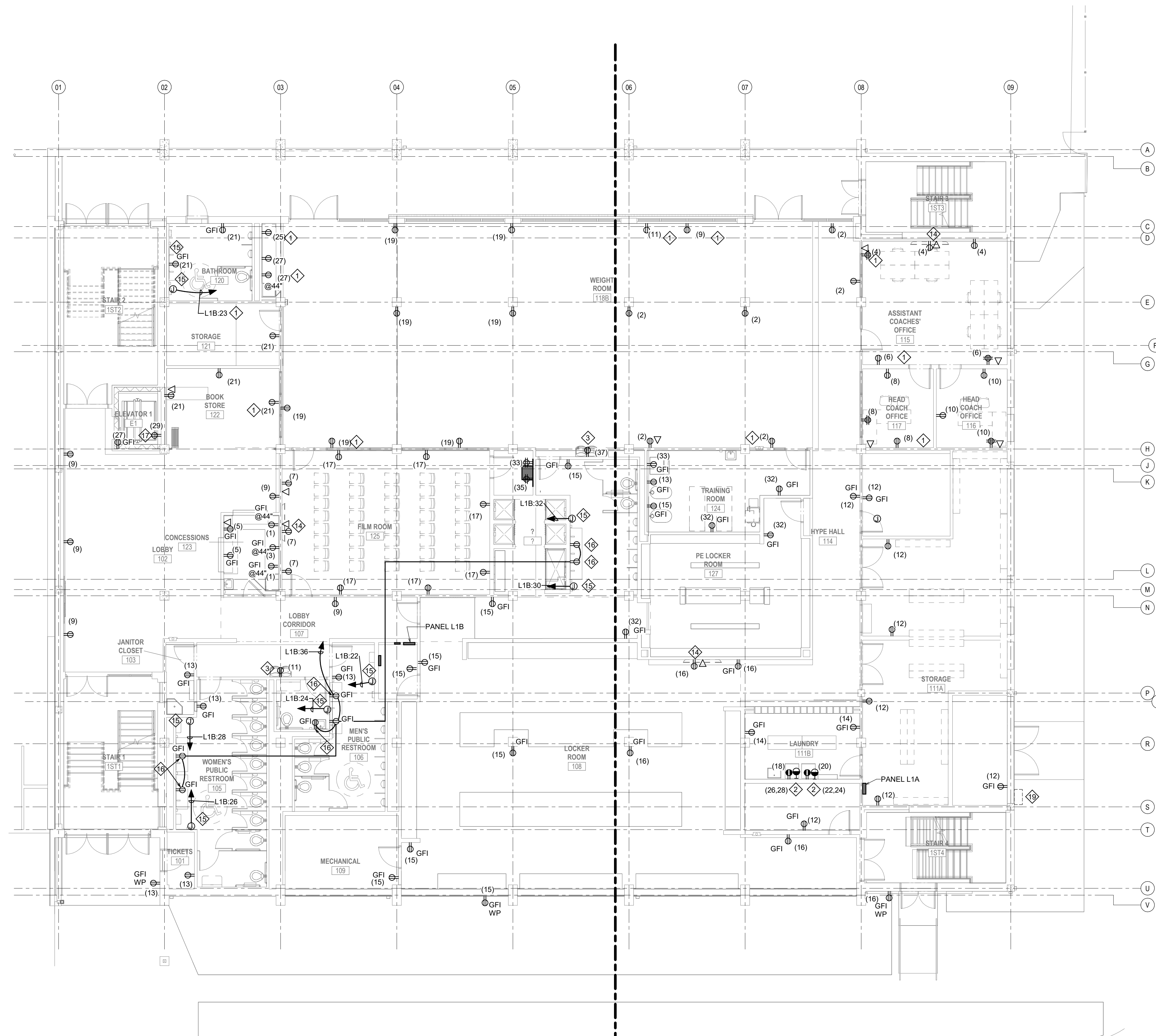
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CONTRACTOR
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REVISION # DESCRIPTION DATE

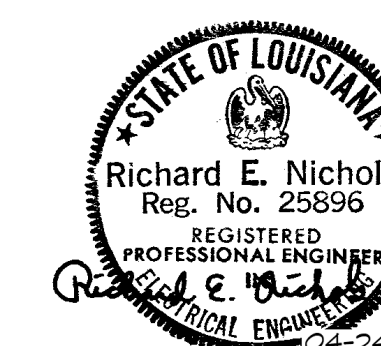
SPECIFIC NOTES

- 1 USE #10 CONDUCTORS THE ENTIRE CIRCUIT RUN.
- 2 PROVIDE NEMA 14-30R RECEPTACLE FOR DRYER AND ROUTE 2#10, 1#10 NEUTRAL AND 1#10 GND IN 1" BACK TO 30 AMP, 2 POLE C/B IN DESIGNATED PANEL.
- 3 PROVIDE 120 VOLTS FOR DRINKING FOUNTAIN. COORDINATE WITH DRINKING FOUNTAIN SUPPLIER FOR EXACT MOUNTING HEIGHT AND LOCATION OF RECEPTACLE.
- 4 ROUTE CIRCUIT THROUGH KEY SWITCH FOR BASKETBALL GOALS WINCH MOTOR. PROVIDE THREE CONDUCTORS (UP AND DOWN SWITCH LEGS AND NEUTRAL) PLUS GROUND IN 3/4" CONDUIT TO KEY SWITCH, AND TWO CONDUCTORS (HOT AND NEUTRAL) PLUS GROUND IN 3/4" CONDUIT FROM KEY SWITCH TO PANEL.
- 5 PROVIDE A 30 AMP, 3 POLE, 240 VOLT, DISCONNECT SWITCH FOR POWERED BLEACHERS NEXT TO THE BLEACHER CONTROLLER AND ROUTE 3#12, 1#12 GND IN 3/4" CONDUIT BACK TO 20 AMP, 3 POLE CIRCUIT BREAKER IN DESIGNATED PANEL. FUSE DISCONNECT SWITCH AS RECOMMENDED BY MANUFACTURER AND MAKE CONNECTION TO CONTROLLER PROVIDED BY BLEACHER MANUFACTURER. CONFIRM LOCATION OF CONTROLLER BEFORE ROUGH-IN.
- 6 PROVIDE 3-GANG GYM EQUIPMENT KEY SWITCH DRAPER CATALOG # C112.137. KEY SWITCHES 1 THROUGH 3 SHALL CONTROL BASKETBALL GOAL MOTOR WINCHES FOR WEST SIDE GOALS. PROVIDE ENGRAVED PLATE TO LABEL EACH SWITCH. COORDINATE EXACT MOUNTING LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- 7 PROVIDE 3-GANG GYM EQUIPMENT KEY SWITCH DRAPER CATALOG # C112.137. KEY SWITCHES 1 THROUGH 3 SHALL CONTROL BASKETBALL GOAL MOTOR WINCHES FOR EAST SIDE GOALS. PROVIDE ENGRAVED PLATE TO LABEL EACH SWITCH. COORDINATE EXACT MOUNTING LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- 8 SEE ELECTRICAL RISER DIAGRAM SHEET E4.01 FOR MORE INFORMATION ON SERVICE DISCONNECT SIZES AND WIRING.
- 9 COORDINATE ALL POWER LOCATIONS IN IT ROOMS WITH COMMUNICATIONS EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
- 10 TWO-GANG RECESSED BOX WITH COVERPLATE FOR BLEACHER CONTROLS. COORDINATE THE EXACT LOCATION(S) WITH ARCHITECT PRIOR TO ROUGH-IN.
- 11 PROVIDE POWER FOR SUSPENDED SCOREBOARD.
- 12 ROUTE 3#8, 1#10 GND IN 1" CONDUIT FROM ELEVATOR CONTROLLER IN ELEVATOR DOOR JAMB BACK TO 50 AMP, 3 POLE, SHUNT TRIP C/B WITH AUX CONTACTS IN DESIGNATED PANEL. CONFIRM WITH ELEVATOR SHOP DRAWINGS THE EXACT LOCATION OF ELEVATOR CONTROLLER. IF REQUIRED PROVIDE A NON-FUSED 60 AMP, 3 POLE DISCONNECT SWITCH WITH AUX CONTACTS.
- 13 ROUTE DEDICATED 120 VOLT CIRCUIT FOR ELEVATOR CAB LIGHTS FROM CONTROLLER BACK TO 20 AMP, 1 POLE C/B IN DESIGNATED PANEL. PROVIDE A 20 AMP, 1 POLE, 120 VOLT LOCKABLE SWITCH NEXT TO THE ELEVATOR CONTROLLER FOR CAB LIGHTS. MAKE CONNECTION TO CONTROLLER. CONFIRM EXACT REQUIREMENTS WITH ELEVATOR SHOP DRAWINGS.
- 14 MOUNT RECEPTACLE AND DATA OUTLET AT 60" FOR INTERACTIVE DISPLAY BOARD. CONFIRM WITH THE OWNER/ARCHITECT EXACT MOUNTING HEIGHT BEFORE ROUGH-IN.
- 15 PROVIDE 120 VOLT POWER TO ELECTRIC HAND DRYER.
- 16 PROVIDE 120 VOLT POWER TO AUTOMATIC FAUCETS. COORDINATE WITH THE PLUMBING CONTRACTOR FOR EXACT REQUIREMENTS.
- 17 PROVIDE A RECEPTACLE FOR THE SUMP PUMP IN THE PIT. CONFIRM EXACT CONNECTION REQUIREMENTS FOR PUMP BEFORE ROUGH-IN.
- 18 PROVIDE RECESSED POKE THR FLUSH-MOUNTED FLOOR BOX WITH COVER. BOX TO INCLUDE DUPLEX POWER RECEPTACLE AND TWO CAT 6 DATA PORTS. POWER AND DATA CABLES SHALL BE RUN IN SEPARATE CONDUITS. COORDINATE THE EXACT FLOORBOX LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. CONSULT OWNER OR ARCHITECT FOR BOX COVER FINISH SELECTION. PROVIDE HUBBELL SYSTEM ONE SERIES OR EQUAL.
- 19 EXISTING JUNCTION BOX WITH CIRCUITRY TO STEM CLASSROOM TO REMAIN. EXISTING FEEDER UP TO EXISTING SWITCHBOARD TO BE REMOVED WHEN THE SWITCHBOARD IS DEMOLISHED. SPLICE EXISTING CONDUCTORS (2-SET OF 4#500 MCM (AL), 1#1 GND IN 3.5" CONDUIT) AND ROUTE EXPOSED FROM JUNCTION BOX TO NEW SERVICE DISCONNECT SWITCH FOR STEM CLASSROOM. COORDINATE THIS WORK SO THAT IT IS DONE DURING THE SUMMER OR A SCHOOL HOLIDAY TO AVOID INTERRUPTING SCHOOL ACTIVITIES.



UNLESS OTHERWISE NOTED, ALL CIRCUIT NUMBERS INDICATED ARE ASSOCIATED WITH PANEL L1B.

UNLESS OTHERWISE NOTED, ALL CIRCUIT NUMBERS INDICATED ARE ASSOCIATED WITH PANEL L1A.



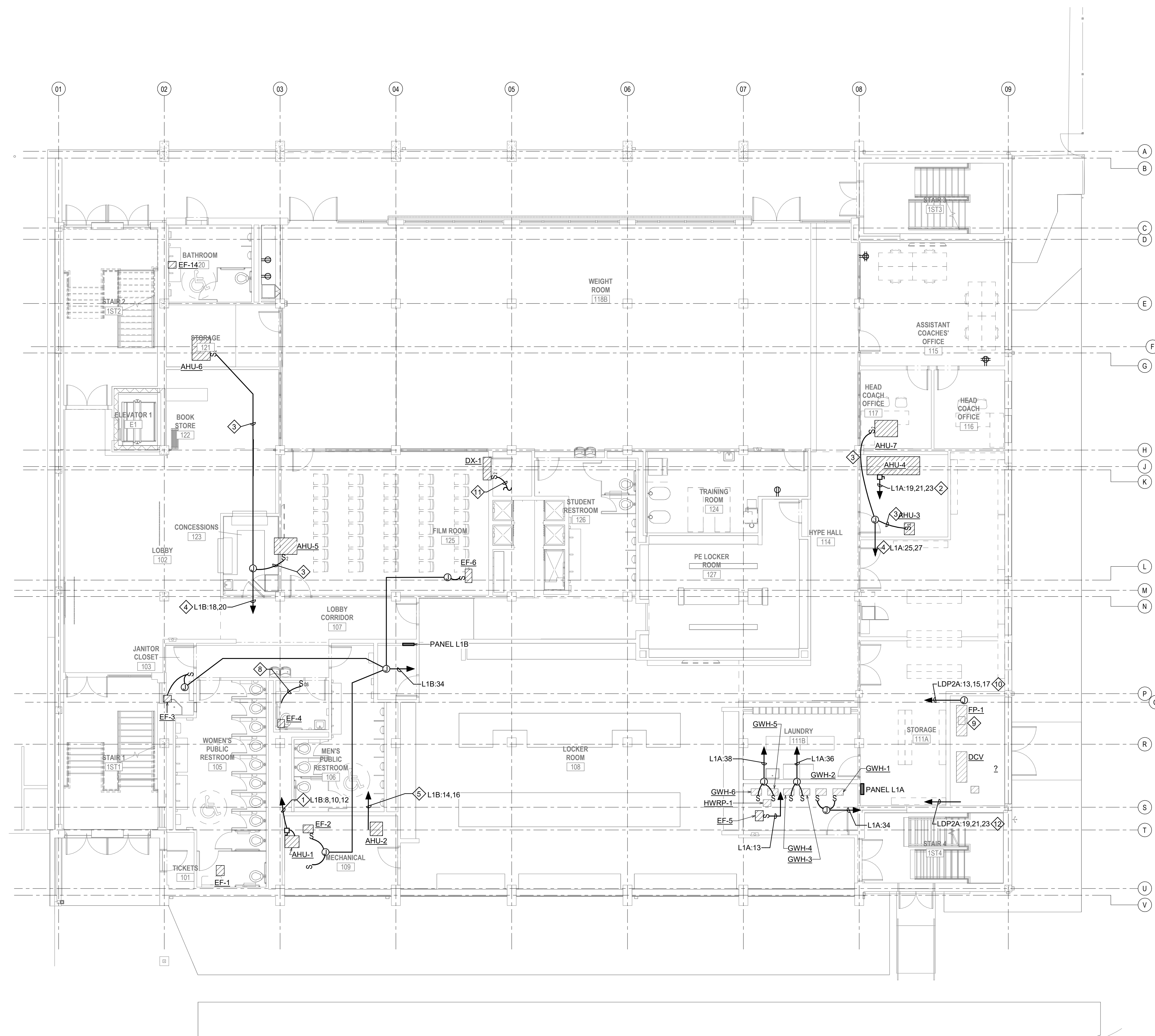
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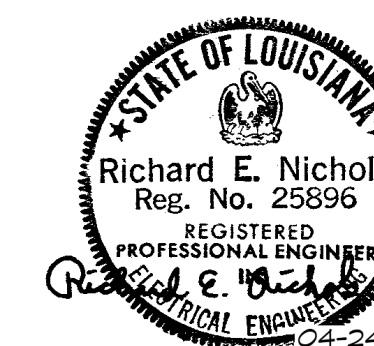
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- SPECIFIC NOTES**
- 1 PROVIDE A 30 AMP, 3 POLE, 240 VOLT, DISCONNECT SWITCH AT AHU AND ROUTE 3#12, 1#12 GND IN 3/4" CONDUIT BACK TO 15 AMP, 3 POLE C/B IN DESIGNATED PANEL. FUSE DISCONNECT SWITCH AS RECOMMENDED BY MANUFACTURER AND MAKE CONNECTION TO UNIT.
 - 2 PROVIDE A 30 AMP, 3 POLE, 240 VOLT, DISCONNECT SWITCH AT AHU AND ROUTE 3#10, 1#10 GND IN 1" CONDUIT BACK TO 30 AMP, 3 POLE C/B IN DESIGNATED PANEL. FUSE DISCONNECT SWITCH AS RECOMMENDED BY MANUFACTURER AND MAKE CONNECTION TO UNIT.
 - 3 PROVIDE 20 AMP, 2 POLE MOTOR RATED TOGGLE SWITCH AT AHU AND ROUTE 2#12, 1#12 GND IN 3/4" CONDUIT BACK TO JUNCTION BOX.
 - 4 FROM JUNCTION BOX ROUTE 2#12, 1#12 GND IN 3/4" BACK 15 AMP, 2 POLE C/B IN DESIGNATED PANEL.
 - 5 PROVIDE 20 AMP, 2 POLE MOTOR RATED TOGGLE SWITCH AT AHU AND ROUTE 2#12, 1#12 GND IN 3/4" CONDUIT BACK TO 15 AMP, 2 POLE C/B IN DESIGNATED PANEL.
 - 6 PROVIDE 120V CONTROL POWER FOR MECHANICAL EQUIPMENT.
 - 7 ROUTE 120 VOLT CIRCUIT FOR EXHAUST FAN THRU LINE VOLTAGE THERMOSTAT PROVIDED BY DIV 23.
 - 8 CONNECT EXHAUST FAN TO DUAL RELAY OCCUPANCY SENSOR SLOWDOWN ON LIGHTING PLAN AND CONNECT TO LIGHTING CIRCUIT.
 - 9 SEE ELECTRICAL RISER DIAGRAM FOR WIRING TO FIRE PUMP.
 - 10 ROUTE 3#12, 1#12 GND IN 1" CONDUIT FROM JOCKEY PUMP CONTROLLER TO 20 AMP, 3 POLE C/B IN DESIGNATED PANEL. ROUTE CIRCUITRY FROM CONTROLLER TO PUMP.
 - 11 PROVIDE 20 AMP, 2 POLE MOTOR RATED TOGGLE SWITCH AT UNIT AND ROUTE 2#12, 1#12 GND IN 3/4" CONDUIT TO OUTDOOR UNIT. OUTDOOR UNIT POWERS INDOOR UNIT. VERIFY EXACT REQUIREMENTS WITH MECHANICAL SHOP DRAWINGS BEFORE ROUGH-IN.
 - 12 ROUTE 3#8, 1#10 GND IN 1" CONDUIT FROM DOMESTIC WATER PUMP CONTROLLER BACK TO 35 AMP, 3 POLE C/B IN DESIGNATED PANEL. ROUTE CIRCUITRY FROM CONTROLLER TO PUMP.

1 MECHANICAL POWER - FIRST FLOOR
E1.13 SCALE: 1/8" = 1'-0"



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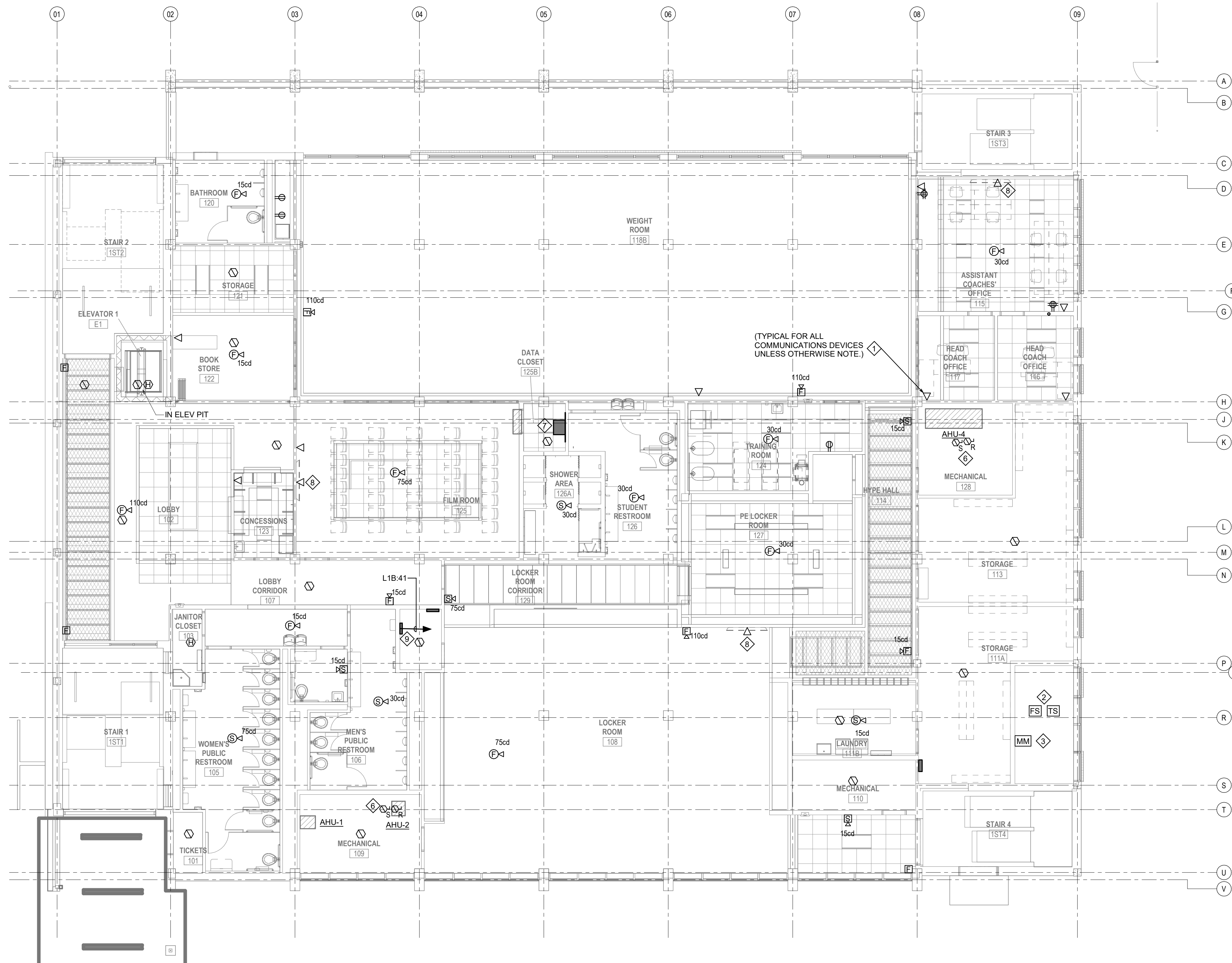
MECHANICAL
POWER PLAN -
FIRST FLOOR

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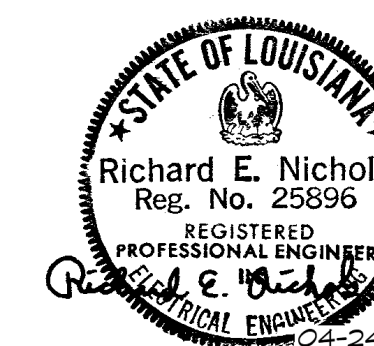
GENERAL NOTES

- 1 ALL COMMUNICATION CABLES SHALL BE ROUTED ABOVE CEILING AND SUPPORTED BY J-HOOKS EVERY 5' BACK TO IDF RACK IN DATA RM 125B. WHERE EXPOSED THESE CABLES SHALL BE ROUTED IN CONDUIT.
- 2 PROVIDE A 4"x4" X 2-1/8" BOX WITH TWO CAT 6 RATED FOR COMMUNICATIONS AND ROUTE TWO CAT 6 CABLES IN ONE 3/4" CONDUIT FROM BOX TO THE ABOVE CEILING. ONCE ABOVE CEILING, NEATLY SUPPORT COMMUNICATION CABLES WITH J-HOOK EVERY 5' BACK TO IDF RACK IN DATA RM 125B.
- 3 FOR COMMUNICATIONS DEVICES ON 2ND FLOOR AND MEZZANINE ROUTE CABLES IN CONDUIT CONCEALED IN WALLS DOWN TO ABOVE FIRST FLOOR CEILING AND THEN AND SUPPORTED BY J-HOOKS EVERY 5' BACK TO IDF RACK. WHERE EXPOSED THESE CABLES SHALL BE ROUTED IN CONDUIT.

SPECIFIC NOTES

- 1 SEE GENERAL NOTE 2 FOR ALL COMMUNICATION DEVICES AND SEE DETAIL 6 ON SHEET E2.01.
- 2 FLOW AND TAMPER SWITCHES WILL BE PROVIDED BY THE SPRINKLER SYSTEM INSTALLER. PROVIDE MONITORING MODULES OR OTHER DEVICES, AS REQUIRED, TO MONITOR THE STATE OF THESE SWITCHES. COORDINATE THE QUANTITY AND LOCATION OF SWITCHES WITH SPRINKLER SYSTEM INSTALLER.
- 3 PROVIDE MONITOR MODULES TO MONITOR THE STATUS OF THE FIRE PUMP.
- 4 ROUTE FOUR CAT 6 CABLES IN 1.25" CONDUIT FOR COMMUNICATIONS FROM FLOOR RECEPTACLE TO WALL SHOWN AND THEN ROUTE CONDUIT UP WALL TO ABOVE ACCESSIBLE CEILING. ONCE ABOVE ACCESSIBLE CEILING, NEATLY SUPPORT COMMUNICATION CABLES WITH J-HOOK EVERY 5' TO IDF CABINET. NOTE FLOOR BOXES ARE SPECIFIED ON POWER SHEET.
- 5 ROUTE A 1" CONDUIT WITH TWO CAT 6 CABLE FOR COMMUNICATIONS BETWEEN FLOOR RECEPTACLES.
- 6 PROVIDE TWO DUCT MOUNTED SMOKE DETECTORS ONE SHALL BE INSTALLED IN THE SUPPLY AND ONE IN THE RETURN DUCT OF THIS AIR HANDLER. ACTIVATION OF EITHER SMOKE DETECTOR SHALL CAUSE A SHUTDOWN OF THE ASSOCIATED MECHANICAL UNIT. COORDINATE THE INTERLOCK REQUIRED FOR THIS OPERATION WITH MECHANICAL CONTROLS INSTALLER. DUCT DETECTORS SHALL BE MOUNTED BY THE DUCT WORK INSTALLER. COORDINATE THE INSTALLATION WITH THIS CONTRACTOR.
- 7 MOUNT 4' X 8' PLYWOOD BACKBOARD AT LOCATION SHOWN FOR COMMUNICATION EQUIPMENT. PAINT PLYWOOD BACKBOARD WITH TWO COATS OF FIRE RETARDANT PAINT. PROVIDE A WALL MOUNT COMMUNICATION CABINET CHATSWORTH MODEL 15320724 OR EQUAL. THE CABINET SHALL BE 19" WIDE AND 24" DEPTH. INCLUDE TWO 48 PORT CAT 6 RATED PATCH PANELS. USING #6 GROUND BOND TELECOMMUNICATION RACK TO SERVICE ENTRANCE GROUND POINT NEAR METER CENTER. ROUTE GROUND IN 1" PVC CONDUIT FOR PROTECTION.
- 8 FOR DATA OUTLET ASSOCIATED WITH DIGITAL SCREEN, ROUTE ONE CAT 6 CABLE IN 3/4" IN CONDUIT TO ABOVE CEILING.
- 9 PROVIDE A FIRE ALARM VOICE EVACUATION PANEL TO DELIVER EVACUATION MESSAGE TO ALL SPEAKER/STROBES THROUGHOUT THE GYM AREA. CONNECT PANEL TO FIRE ALARM SYSTEM IN MAIN SCHOOL BUILDING.
- 10 ROUTE A 1.5" CONDUIT TO NEW FLOOR BOX AND UP TO TV LOCATION FOR HDMI CABLES TO BE ROUTED BETWEEN FLOOR BOX AND TV. CONFIRM REQUIREMENT WITH THE OWNER BEFORE ROUGH-IN.
- 11 ROUTE TWO CAT 6 CABLES IN 1" CONDUIT FOR COMMUNICATIONS FROM FLOOR RECEPTACLE TO ABOVE FIRST FLOOR CEILING. ONCE ABOVE CEILING ON FIRST FLOOR, NEATLY SUPPORT COMMUNICATION CABLES WITH J-HOOK EVERY 5' TO IDF CABINET IN ROOM 125B. NOTE FLOOR BOXES ARE SPECIFIED ON POWER SHEET.

1 SPECIAL SYSTEM PLAN - FIRST FLOOR
E1.14 SCALE: 1/8" = 1'-0"



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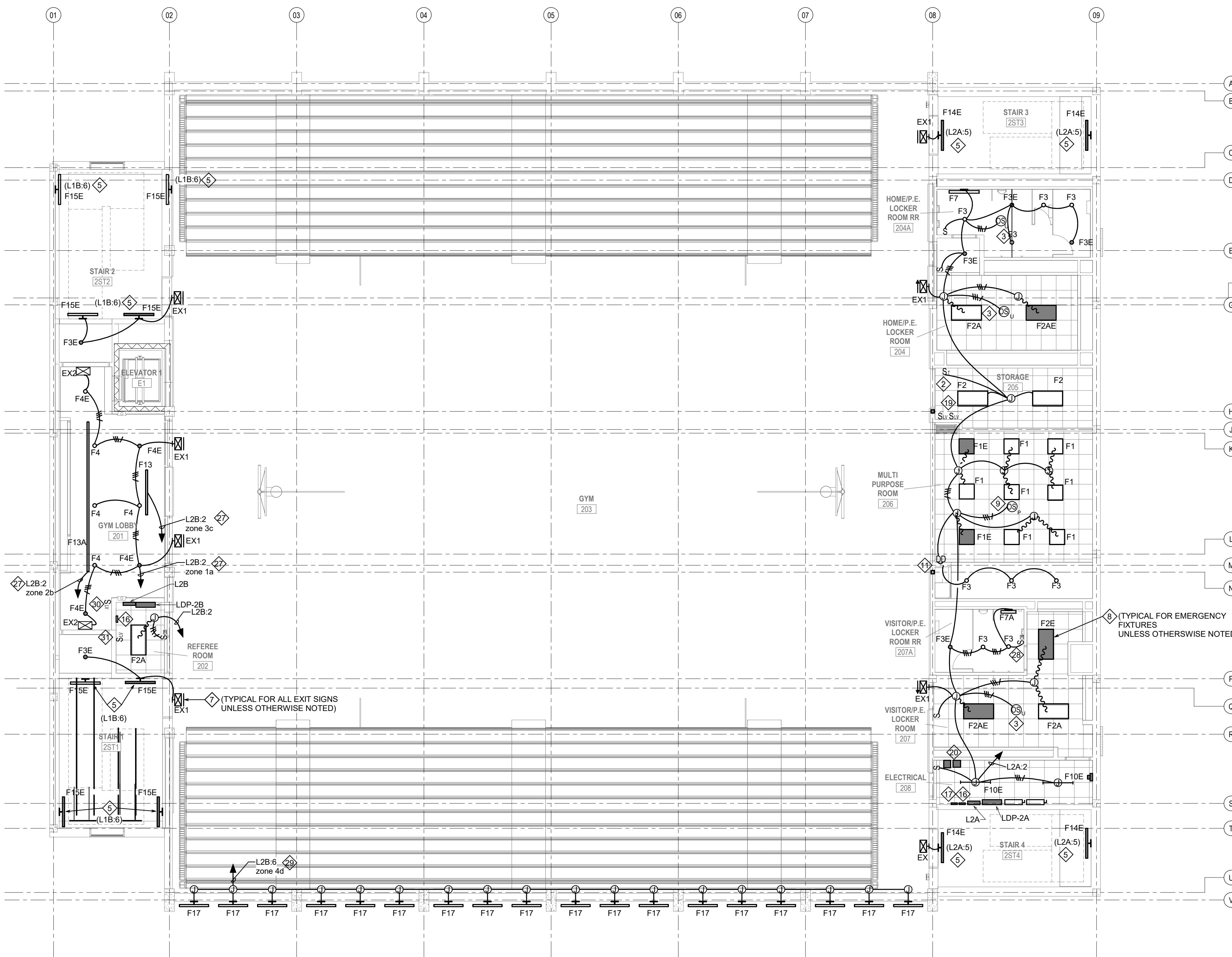
SPECIAL SYSTEM
PLAN - FIRST
FLOOR

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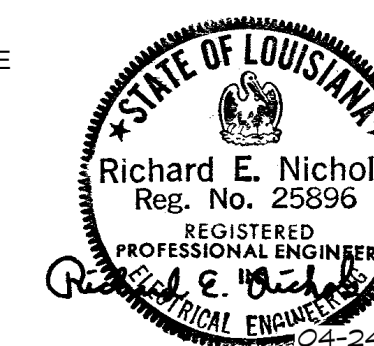
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1 LIGHTING PLAN - SECOND FLOOR
E1.21 SCALE: 1/8" = 1'-0"

- SPECIFIC NOTES**
- 1 PROVIDE A WALL MOUNTED PIR OCCUPANCY SENSOR WATTSTOPPER CAT # PW-100. SEE DETAIL 3 ON SHEET E2.01.
 - 2 PROVIDE A DIGITAL TIME SWITCH WATTSTOPPER CAT# TS-400.
 - 3 PROVIDE CEILING MOUNTED ULTRASONIC OCCUPANCY SENSOR WATTSTOPPER CAT# UT-300-2. SEE TYPICAL CEILING MOUNTED OCCUPANCY WIRING DIAGRAM DETAIL 5 SHEET E2.01.
 - 4 PROVIDE CEILING MOUNTED PIR OCCUPANCY SENSOR WATTSTOPPER CAT# UT-300-2. POWER FROM POWER PACK ASSOCIATED WITH OTHER OCCUPANCY SENSOR IN ROOM. SEE DETAIL 1 SHEET E2.01 WIRING DIAGRAM.
 - 5 USE # 10 CONDUCTORS ENTIRE CIRCUIT RUN.
 - 6 PROVIDE A DUAL RELAY PIR OCCUPANCY SENSOR WATTSTOPPER CAT# PW-200. ONE RELAY WILL CONTROL THE LIGHTS AND THE OTHER RELAY WILL CONTROL THE EXHAUST FAN. SEE DETAIL 2 SHEET E2.01 WIRING DIAGRAM.
 - 7 WIRE THE HOT CONDUCTOR TO ALL EXIT SIGNS. DO NOT SWITCH THESE FIXTURES.
 - 8 UNLESS OTHERWISE NOTED, ROUTE BOTH THE HOT AND SWITCHED CONDUCTORS TO ALL EMERGENCY FIXTURES. BATTERY PACK IN FIXTURE SHOULD ONLY OPERATE UPON LOSS OF HOT CONDUCTOR.
 - 9 PROVIDE CEILING MOUNTED PIR OCCUPANCY SENSOR WATTSTOPPER CAT# CI-300. INCLUDE POWER PACK WATTSTOPPER CAT#BZ-150. SEE DETAIL 5 SHEET E2.01 FOR THE WIRING DIAGRAM.
 - 10 PROVIDE CEILING MOUNTED PIR OCCUPANCY SENSOR WATTSTOPPER CAT# CI-300. POWER FROM POWER PACK ASSOCIATED WITH OTHER OCCUPANCY SENSOR IN ROOM. SEE DETAIL 1 SHEET E2.01 WIRING DIAGRAM.
 - 11 PROVIDE TWO 0-10 VOLT DIMMERS WATTSTOPPER MODEL RH4FBL3P. ONE DIMMER TO CONTROL RECESSED LINEAR FIXTURE. THE OTHER DIMMER TO CONTROL THE F3 DOWNLIGHTS. SEE WIRING DIAGRAM DETAIL 8 ON SHEET E2.01. ROUTE 0-10 VOLT LOW VOLTAGE CONDUCTORS TO EACH FIXTURE.
 - 12 INSTALL LIGHT IN ELEVATOR PIT. COORDINATE EXACT LOCATION OF LIGHT WITH ELEVATOR SHOP DRAWINGS.
 - 13 ROUTE CIRCUIT AND 0-10 VOLT LOW VOLTAGE DIMMING CONDUCTORS BACK THRU DIMMING RELAY NEXT TO PANEL L1B IN STORAGE ROOM. SEE DIMMING RISER DIAGRAM 1/E2.02.
 - 14 WALL MOUNTED EXTERIOR FIXTURE AT 28'-5". SEE EXTERIOR ELEVATIONS SHEET A301 AND CONFIRM HEIGHT WITH ARCHITECT.
 - 15 ROUTE CIRCUIT AND 0-10 VOLT LOW VOLTAGE DIMMING CONDUCTORS BACK THRU DIMMING RELAY IN ELECTRICAL ROOM 208. SEE DIMMING RISER DIAGRAM 1/E2.02.
 - 16 PROVIDE DISTRIBUTED LIGHTING CONTROLLER ILC MODEL #LLEV0-TC. ALSO PROVIDE REMOTE DIMMING RELAYS ILC MODEL R20D ABOVE PANEL. SEE DIMMING RISER DIAGRAM 1/E2.02.
 - 17 PROVIDE DISTRIBUTED LIGHTING CONTROLLER ILC MODEL #LLEV0-4X. SEE DIMMING RISER DIAGRAM 1/E2.02.
 - 18 PROVIDE 0-10 VOLT DIMMING RELAY TO CONTROL GYM FIXTURES. SEE DIMMING RISER DIAGRAM 1/E2.02.
 - 19 PROVIDE A 3-SCENE WALL STATION ILC LSG3-XX-3-S AND ONE SIX ZONE DIMMING WALL STATION. COORDINATE THE EXACT SCENES WITH SCHOOL AT TIME OF INSTALL. SUGGESTED SCENES - BASKETBALL HOME GAME WITH LIGHTS OVER THE COURT AT 100% AND THE LIGHTS OVER THE STANDS AT 20%. SCENE 2 - NORMAL EVERYDAY PE CLASS LEVELS ALL LIGHTS IN GYM AT 60-80% DIM. SCENE 3 - USER SELECTED FOR SPECIAL EVENTS.
 - 20 PROVIDE 250-WATT LIGHTING INVERTER WITH AUTOMATIC 0-10 VOLT DIMMING. BODINE ELI-S-250.
 - 21 ROUTE CIRCUITRY FOR F6E FIXTURES THRU INVERTER 1 OR 2 LOCATED IN ELECTRICAL ROOM 208. EACH INVERTER WILL SERVE TWO FIXTURES. SEE INSTALL INSTRUCTIONS FOR THE INVERTER. NEED TO ROUTE THE SWITCHED AND LOW VOLTAGE DIMMING CONTROLS TO INVERTER FOR THIS ZONE.
 - 22 WIRE HOT CONDUCTOR ONLY TO EMERGENCY FIXTURE. DO NOT SWITCH. THIS FIXTURE SHALL OPERATE AS NIGHT LIGHT.
 - 23 PROVIDE CEILING MOUNTED ULTRASONIC OCCUPANCY SENSOR WATTSTOPPER CAT# UT-300-3. SEE TYPICAL CEILING MOUNTED OCCUPANCY WIRING DIAGRAM DETAIL 5 SHEET E2.01.
 - 24 PROVIDE CEILING MOUNTED PIR OCCUPANCY SENSOR WATTSTOPPER CAT# UT-300-3. POWER FROM POWER PACK ASSOCIATED WITH OTHER OCCUPANCY SENSOR IN ROOM. SEE DETAIL 1 SHEET E2.01 WIRING DIAGRAM.
 - 25 PROVIDE A SIX ZONE DIMMING WALL STATION ILC G3-4-MZD TO CONTROL THE FIVE LOBBY LIGHTING ZONES AND ONE EXTERIOR CANOPY ZONE. SEE DIMMING RISER DIAGRAM 1/E2.02.
 - 26 PROVIDE 0-10 VOLT DIMMERS WATTSTOPPER MODEL RH4FBL3P. SEE WIRING DIAGRAM DETAIL 8 ON SHEET E301. ROUTE 0-10 VOLT LOW VOLTAGE CONDUCTORS TO EACH FIXTURE.
 - 27 ROUTE CIRCUIT AND 0-10 VOLT LOW VOLTAGE DIMMING CONDUCTORS BACK THRU DIMMING RELAY NEXT TO PANEL L2B IN REFEREE ROOM. SEE DIMMING RISER DIAGRAM 1/E2.02.
 - 28 PROVIDE A WALL MOUNTED ULTRASONIC OCCUPANCY SENSOR WATTSTOPPER CAT # UW-100.
 - 29 ROUTE CIRCUITRY AND (0-10 VOLT CONDUCTORS) BACK TO DIMMING RELAY NEXT TO PANEL L2B IN REFEREE ROOM. RELAY SHALL BE CONTROLLED BY TIME CLOCK IN DISTRIBUTED LIGHTING CONTROLLER. COORDINATE WITH OWNER ON TIME SCHEDULE FOR EXTERIOR LIGHTS. SEE DIMMING RISER DIAGRAM 1/E2.02.
 - 30 PROVIDE A THREE ZONE DIMMING WALL STATION ILC G3-3-MZD TO CONTROL THE THREE LOBBY LIGHTING ZONES. SEE DIMMING RISER DIAGRAM 1/E2.02.
 - 31 PROVIDE A ONE ZONE DIMMING WALL STATION ILC G3-3-MZD TO CONTROL THE EXTERIOR LIGHTING ZONE. SEE DIMMING RISER DIAGRAM 1/E2.02.
 - 32 PROVIDE A LINE VOLTAGE DIMMING PANEL (4 OUTPUTS) ILC MODEL LS-LVD-4-500 TO CONTROL THE PUBLIC AREA DIMMING ZONES INDICATED. SEE LIGHTING CONTROL DIMMING RISER DIAGRAM ON SHEET 1/E2.02 FOR MORE INFORMATION.
 - 33 ROUTE THE TWO DIMMING ZONES FOR THE TWO CIRCUIT TRACK BACK TO THE LINE VOLTAGE DIMMING PANEL DP-1. SEE LIGHTING CONTROL DIMMING RISER DIAGRAM ON SHEET 1/E2.02 FOR MORE INFORMATION.
 - 34 PROVIDE TWO UNIVERSAL DIMMERS WATTSTOPPER MODEL RH703PTUW. EACH DIMMER CONTROLS HALF OF THE TWO CIRCUIT TRACK.
 - 35 ROUTE CIRCUITRY BACK TO DIMMING RELAY NEXT TO PANEL L1B IN STORAGE ROOM 108A. RELAY SHALL BE CONTROLLED BY TIME CLOCK IN DISTRIBUTED LIGHTING CONTROLLER. NOTE ROUTE 0-10 VOLT DIMMING CONDUCTORS TO F22 FIXTURES AT HOPE STREET CANOPY. COORDINATE WITH OWNER ON TIME SCHEDULE FOR EXTERIOR LIGHTS. SEE DIMMING RISER DIAGRAM 1/E2.02.



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LIGHTING PLAN - SECOND FLOOR

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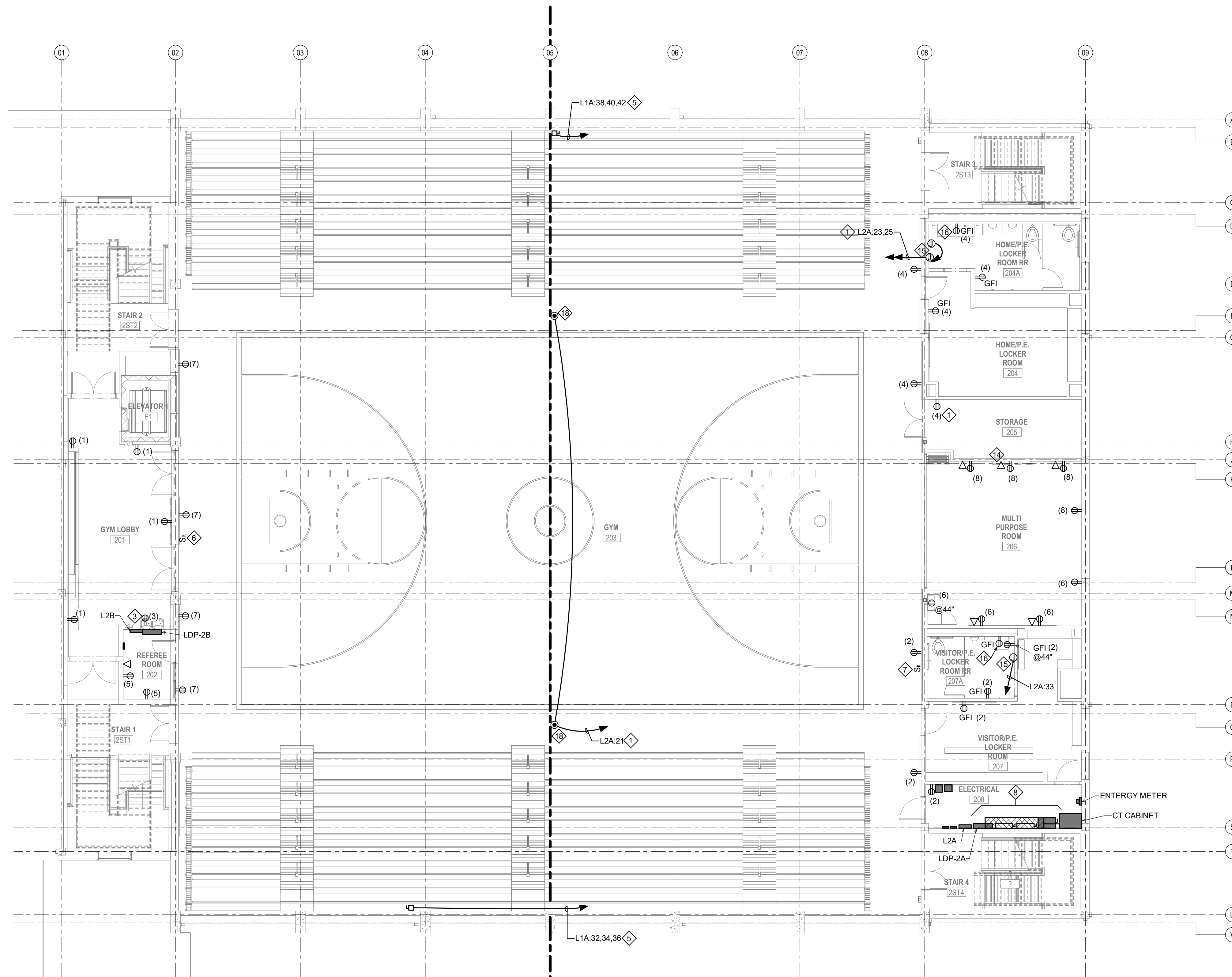
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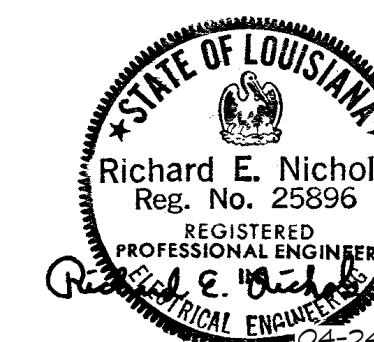
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- 3 PROVIDE 120 VOLTS FOR DRINKING FOUNTAIN. COORDINATE WITH DRINKING FOUNTAIN SUPPLIER FOR EXACT MOUNTING HEIGHT AND LOCATION OF RECEPTACLE.
- 4 ROUTE CIRCUIT THROUGH KEY SWITCH FOR BASKETBALL GOALS WINCH MOTOR. PROVIDE THREE CONDUCTORS (UP AND DOWN SWITCH LEGS AND NEUTRAL) PLUS GROUND IN 3/4" CONDUIT TO KEY SWITCH, AND TWO CONDUCTORS (HOT AND NEUTRAL) PLUS GROUND IN 3/4" CONDUIT FROM KEY SWITCH TO PANEL.
- 5 PROVIDE A 30 AMP, 3 POLE, 240 VOLT, DISCONNECT SWITCH FOR POWERED BLEACHERS NEXT TO THE BLEACHER CONTROLLER AND ROUTE 2#12, 1#12 GND IN 3/4" CONDUIT BACK TO 20 AMP, 3 POLE CIRCUIT BREAKER IN DESIGNATED PANEL. FUSE DISCONNECT SWITCH AS RECOMMENDED BY MANUFACTURER AND MAKE CONNECTION TO CONTROLLER PROVIDED BY BLEACHER MANUFACTURER. CONFIRM LOCATION OF CONTROLLER BEFORE ROUGH-IN.
- 6 PROVIDE 3-GANG GYM EQUIPMENT KEY SWITCH DRAPER CATALOG # C112.137. KEY SWITCHES 1 THROUGH 3 SHALL CONTROL BASKETBALL GOAL MOTOR WINCHES FOR WEST SIDE GOALS. PROVIDE ENGRAVED PLATE TO LABEL EACH SWITCH. COORDINATE EXACT MOUNTING LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- 7 PROVIDE 3-GANG GYM EQUIPMENT KEY SWITCH DRAPER CATALOG # C112.137. KEY SWITCHES 1 THROUGH 3 SHALL CONTROL BASKETBALL GOAL MOTOR WINCHES FOR EAST SIDE GOALS. PROVIDE ENGRAVED PLATE TO LABEL EACH SWITCH. COORDINATE EXACT MOUNTING LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- 8 SEE ELECTRICAL RISER DIAGRAM SHEET E4.01 FOR MORE INFORMATION ON SERVICE DISCONNECT SIZES AND WIRING.
- 9 COORDINATE ALL POWER LOCATIONS IN IT ROOMS WITH COMMUNICATIONS EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
- 10 TWO-GANG RECESSED BOX WITH COVERPLATE FOR BLEACHER CONTROLS. COORDINATE THE EXACT LOCATION(S) WITH ARCHITECT PRIOR TO ROUGH-IN.
- 11 PROVIDE POWER FOR SUSPENDED SCOREBOARD.
- 12 ROUTE 3#8, 1#10 GND IN 1" CONDUIT FROM ELEVATOR CONTROLLER IN ELEVATOR DOOR JAMB BACK TO 20 AMP, 3 POLE, SHUNT TRIP C/B WITH AUX CONTACTS IN DESIGNATED PANEL. CONFIRM WITH ELEVATOR SHOP DRAWINGS THE EXACT LOCATION OF ELEVATOR CONTROLLER. IF REQUIRED PROVIDE A NON-FUSED 60 AMP, 3 POLE DISCONNECT SWITCH WITH AUX CONTACTS.
- 13 ROUTE DEDICATED 120 VOLT CIRCUIT FOR ELEVATOR CAB LIGHTS FROM CONTROLLER BACK TO 20 AMP, 1 POLE C/B IN DESIGNATED PANEL. PROVIDE A 20 AMP, 1 POLE, 120 VOLT LOCKABLE SWITCH NEXT TO THE ELEVATOR CONTROLLER FOR CAB LIGHTS. MAKE CONNECTION TO CONTROLLER. CONFIRM EXACT REQUIREMENTS WITH ELEVATOR SHOP DRAWINGS.
- 14 MOUNT RECEPTACLE AND DATA OUTLET AT 60" FOR INTERACTIVE DISPLAY BOARD. CONFIRM WITH THE OWNER/ARCHITECT EXACT MOUNTING HEIGHT BEFORE ROUGH-IN.
- 15 PROVIDE 120 VOLT POWER TO ELECTRIC HAND DRYER.
- 16 PROVIDE 120 VOLT POWER TO AUTOMATIC FAUCETS. COORDINATE WITH THE PLUMBING CONTRACTOR FOR EXACT REQUIREMENTS.
- 17 PROVIDE A RECEPTACLE FOR THE SUMP PUMP IN THE PIT. CONFIRM EXACT CONNECTION REQUIREMENTS FOR PUMP BEFORE ROUGH-IN.
- 18 PROVIDE RECESSED POKE THR FLUSH-MOUNTED FLOOR BOX WITH COVER. BOX TO INCLUDE DUPLEX POWER RECEPTACLE AND TWO CAT 6 DATA PORTS. POWER AND DATA CABLES SHALL BE RUN IN SEPARATE CONDUITS. COORDINATE THE EXACT FLOORBOX LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. CONSULT OWNER OR ARCHITECT FOR BOX COVER FINISH SELECTION. PROVIDE HUBBELL SYSTEM ONE SERIES OR EQUAL.
- 19 EXISTING JUNCTION BOX WITH CIRCUITRY TO STEM CLASSROOM TO REMAIN. EXISTING FEEDER UP TO EXISTING SWITCHBOARD TO BE REMOVED WHEN THE SWITCHBOARD IS DEMOLISHED. SPLICE EXISTING CONDUCTORS (2-SET OF 4#600 MCM (AL), 1#1 GND IN 3.5" CONDUIT) AND ROUTE EXPOSED FROM JUNCTION BOX TO NEW SERVICE DISCONNECT SWITCH FOR STEM CLASSROOM. COORDINATE THIS WORK SO THAT IT IS DONE DURING THE SUMMER OR A SCHOOL HOLIDAY TO AVOID INTERRUPTING SCHOOL ACTIVITIES.



1 POWER PLAN - SECOND FLOOR
E1.22 SCALE: 1/8" = 1'-0"

UNLESS OTHERWISE NOTED, ALL CIRCUIT NUMBERS INDICATED ARE ASSOCIATED WITH PANEL L2B.

UNLESS OTHERWISE NOTED, ALL CIRCUIT NUMBERS INDICATED ARE ASSOCIATED WITH PANEL L2A.



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POWER PLAN -
SECOND FLOOR

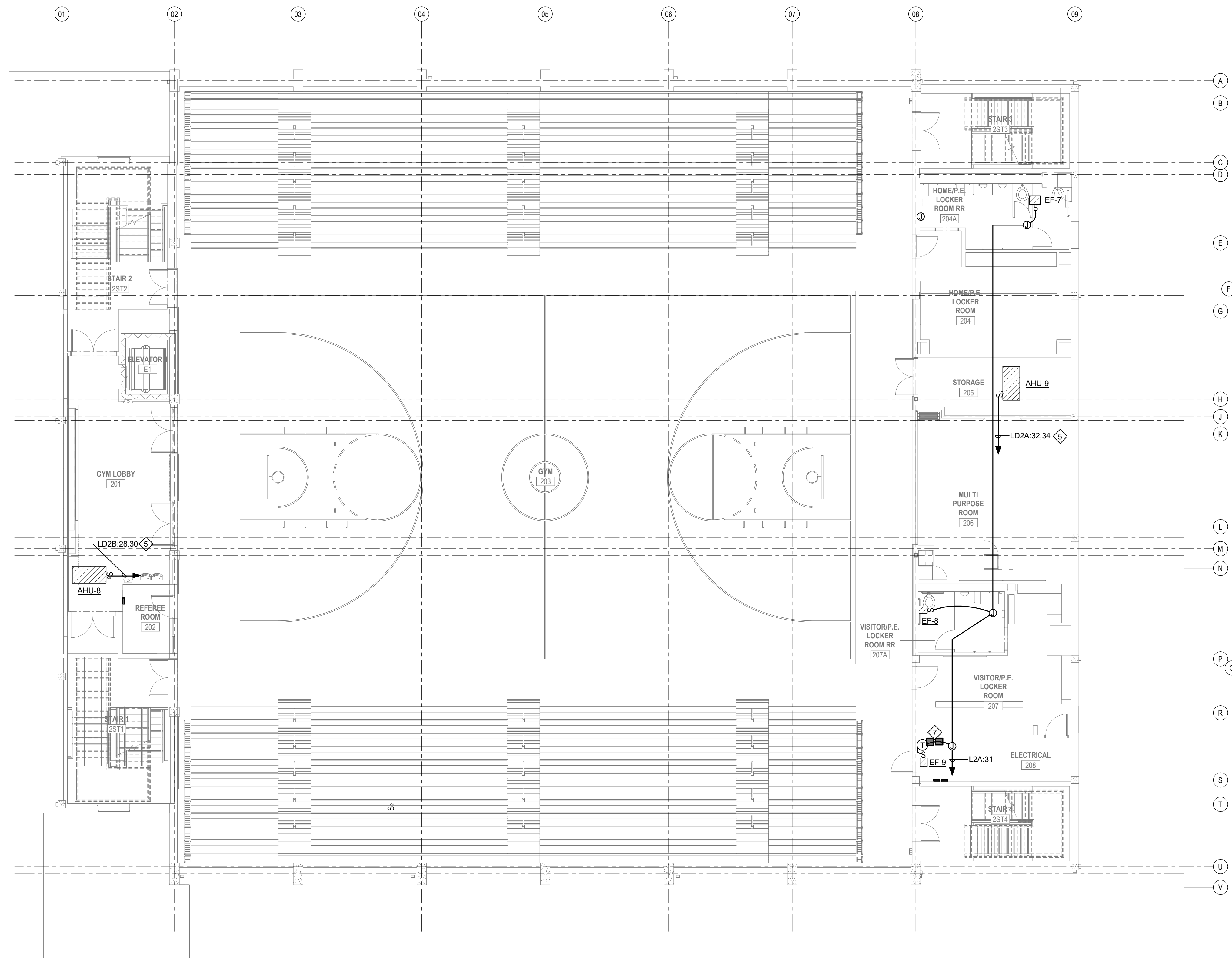
E1.22

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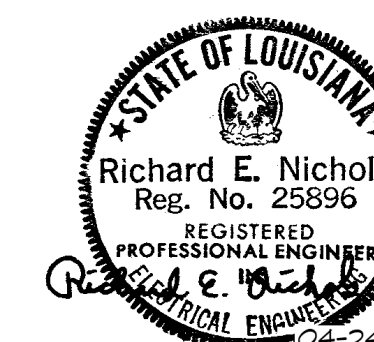
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- SPECIFIC NOTES**
- 1 PROVIDE A 30 AMP, 3 POLE, 240 VOLT, DISCONNECT SWITCH AT AHU AND ROUTE 3#12, 1#12 GND IN 3/4" CONDUIT BACK TO 15 AMP, 3 POLE C/B IN DESIGNATED PANEL. FUSE DISCONNECT SWITCH AS RECOMMENDED BY MANUFACTURER AND MAKE CONNECTION TO UNIT.
 - 2 PROVIDE A 30 AMP, 3 POLE, 240 VOLT, DISCONNECT SWITCH AT AHU AND ROUTE 3#10, 1#10 GND IN 1" CONDUIT BACK TO 30 AMP, 3 POLE C/B IN DESIGNATED PANEL. FUSE DISCONNECT SWITCH AS RECOMMENDED BY MANUFACTURER AND MAKE CONNECTION TO UNIT.
 - 3 PROVIDE 20 AMP, 2 POLE MOTOR RATED TOGGLE SWITCH AT AHU AND ROUTE 2#12, 1#12 GND IN 3/4" CONDUIT BACK TO JUNCTION BOX.
 - 4 FROM JUNCTION BOX ROUTE 2#12, 1#12 GND IN 3/4" BACK 15 AMP, 2 POLE C/B IN DESIGNATED PANEL.
 - 5 PROVIDE 20 AMP, 2 POLE MOTOR RATED TOGGLE SWITCH AT AHU AND ROUTE 2#12, 1#12 GND IN 3/4" CONDUIT BACK TO 15 AMP, 2 POLE C/B IN DESIGNATED PANEL.
 - 6 PROVIDE 120V CONTROL POWER FOR MECHANICAL EQUIPMENT.
 - 7 ROUTE 120 VOLT CIRCUIT FOR EXHAUST FAN THRU LINE VOLTAGE THERMOSTAT PROVIDED BY DIV 23.
 - 8 CONNECT EXHAUST FAN TO DUAL RELAY OCCUPANCY SENSOR SWOWN ON LIGHTING PLAN AND CONNECT TO LIGHTING CIRCUIT.
 - 9 SEE ELECTRICAL RISER DIAGRAM FOR WIRING TO FIRE PUMP.
 - 10 ROUTE 3#12, 1#12 GND IN 1" CONDUIT FROM JOCKEY PUMP CONTROLLER TO 20 AMP, 3 POLE C/B IN DESIGNATED PANEL. ROUTE CIRCUITRY FROM CONTROLLER TO PUMP.
 - 11 PROVIDE 20 AMP, 2 POLE MOTOR RATED TOGGLE SWITCH AT UNIT AND ROUTE 2#12, 1#12 GND IN 3/4" CONDUIT TO OUTDOOR UNIT. OUTDOOR UNIT POWERS INDOOR UNIT. VERIFY EXACT REQUIREMENTS WITH MECHANICAL SHOP DRAWINGS BEFORE ROUGH-IN.
 - 12 ROUTE 3#8, 1#10 GND IN 1" CONDUIT FROM DOMESTIC WATER PUMP CONTROLLER BACK TO 35 AMP, 3 POLE C/B IN DESIGNATED PANEL. ROUTE CIRCUITRY FROM CONTROLLER TO PUMP.

1 MECHANICAL POWER - SECOND FLOOR
E1.23 SCALE: 1/8" = 1'-0"



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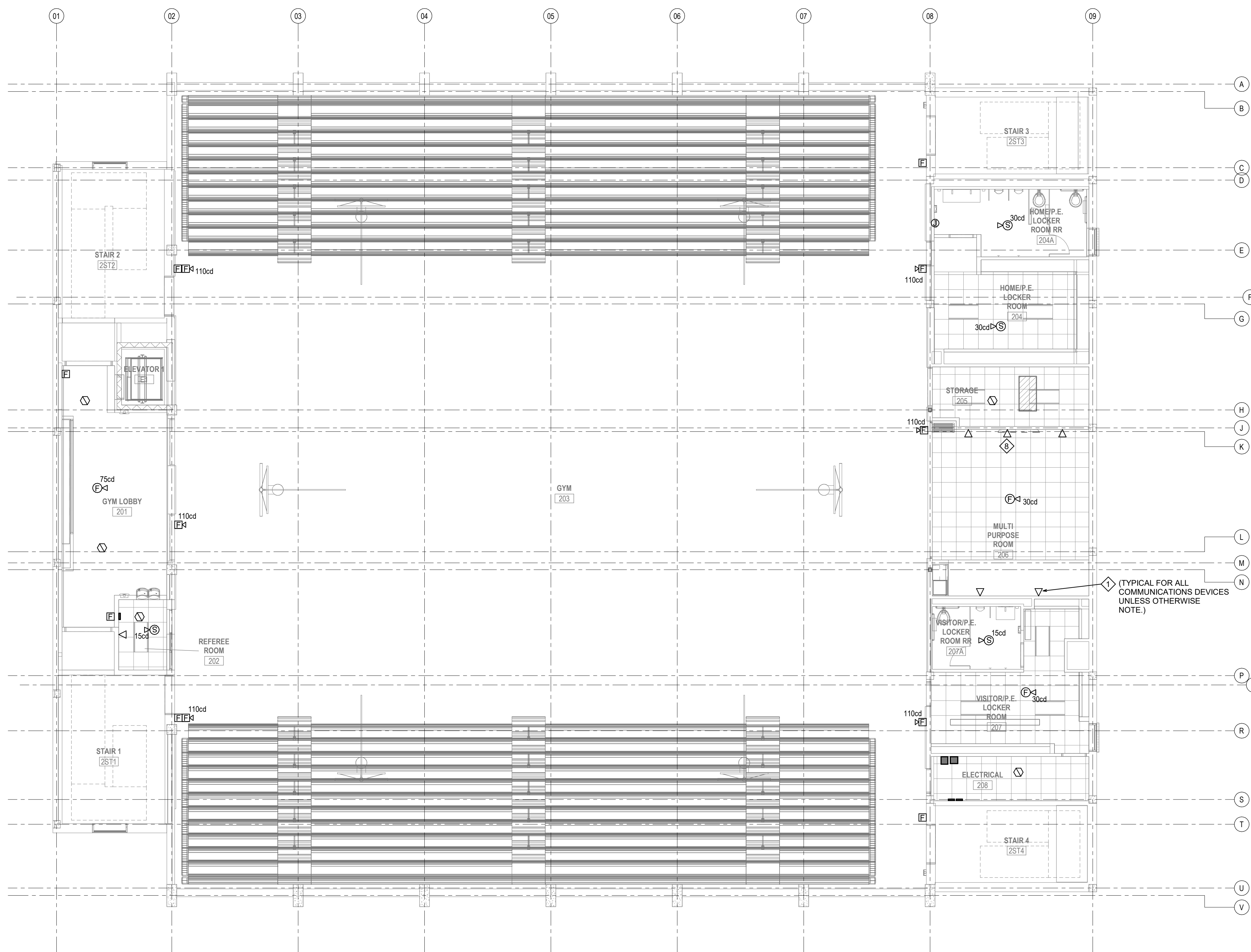
MECHANICAL
POWER -
SECOND FLOOR

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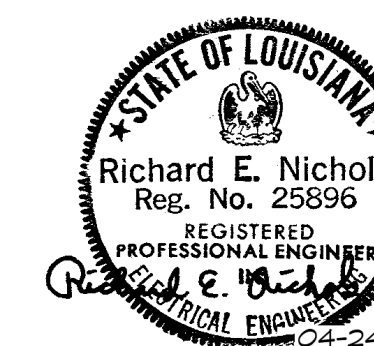
1 SPECIAL SYSTEM PLAN - SECOND FLOOR
E1.24 SCALE: 1/8" = 1'-0"

GENERAL NOTES

- ALL COMMUNICATION CABLES SHALL BE ROUTED ABOVE CEILING AND SUPPORTED BY J-HOOKS EVERY 5' BACK TO IDF RACK IN DATA RM 125B. WHERE EXPOSED THESE CABLES SHALL BE ROUTED IN CONDUIT.
- PROVIDE A 4"x4" X 2-1/8" BOX WITH TWO CAT 6 RATED FOR COMMUNICATIONS AND ROUTE TWO CAT 6 CABLES IN ONE 3/4" CONDUIT FROM BOX TO THE ABOVE CEILING. ONCE ABOVE CEILING, NEATLY SUPPORT COMMUNICATION CABLES WITH J-HOOK EVERY 5' BACK TO IDF RACK IN DATA RM 125B.
- FOR COMMUNICATIONS DEVICES ON 2ND FLOOR AND MEZZANINE ROUTE CABLES IN CONDUIT CONCEALED IN WALLS DOWN TO ABOVE FIRST FLOOR CEILING AND THEN AND SUPPORTED BY J-HOOKS EVERY 5' BACK TO IDF RACK. WHERE EXPOSED THESE CABLES SHALL BE ROUTED IN CONDUIT.

SPECIFIC NOTES

- SEE GENERAL NOTE 2 FOR ALL COMMUNICATION DEVICES AND SEE DETAIL 6 ON SHEET E2.01.
- FLOW AND TAMPER SWITCHES WILL BE PROVIDED BY THE SPRINKLER SYSTEM INSTALLER. PROVIDE MONITORING MODULES OR OTHER DEVICES, AS REQUIRED, TO MONITOR THE STATE OF THESE SWITCHES. COORDINATE THE QUANTITY AND LOCATION OF SWITCHES WITH SPRINKLER SYSTEM INSTALLER.
- PROVIDE MONITOR MODULES TO MONITOR THE STATUS OF THE FIRE PUMP.
- ROUTE FOUR CAT 6 CABLES IN 1.25" CONDUIT FOR COMMUNICATIONS FROM FLOOR RECEPTACLE TO WALL SHOWN AND THEN ROUTE CONDUIT UP WALL TO ABOVE ACCESSIBLE CEILING. ONCE ABOVE ACCESSIBLE CEILING, NEATLY SUPPORT COMMUNICATION CABLES WITH J-HOOK EVERY 5' TO IDF CABINET. NOTE FLOOR BOXES ARE SPECIFIED ON POWER SHEET.
- ROUTE A 1" CONDUIT WITH TWO CAT 6 CABLE FOR COMMUNICATIONS BETWEEN FLOOR RECEPTACLES.
- PROVIDE TWO DUCT MOUNTED SMOKE DETECTORS ONE SHALL BE INSTALLED IN THE SUPPLY AND ONE IN THE RETURN DUCT OF THIS AIR HANDLER. ACTIVATION OF EITHER SMOKE DETECTOR SHALL CAUSE A SHUTDOWN OF THE ASSOCIATED MECHANICAL UNIT. COORDINATE THE INTERLOCK REQUIRED FOR THIS OPERATION WITH MECHANICAL CONTROLS INSTALLER. DUCT DETECTORS SHALL BE MOUNTED BY THE DUCT WORK INSTALLER. COORDINATE THE INSTALLATION WITH THIS CONTRACTOR.
- MOUNT 4' X 8' PLYWOOD BACKBOARD AT LOCATION SHOWN FOR COMMUNICATION EQUIPMENT. PAINT PLYWOOD BACKBOARD WITH TWO COATS OF FIRE RETARDANT PAINT. PROVIDE A WALL MOUNT COMMUNICATION CABINET CHATSWORTH MODEL 15320724 OR EQUAL. THE CABINET SHALL BE 19" WIDE AND 24" DEPTH. INCLUDE TWO 48 PORT CAT 6 RATED PATCH PANELS. USING #6 GROUND BOND TELECOMMUNICATION RACK TO SERVICE ENTRANCE GROUND POINT NEAR METER CENTER. ROUTE GROUND IN 1" PVC CONDUIT FOR PROTECTION.
- FOR DATA OUTLET ASSOCIATED WITH DIGITAL SCREEN, ROUTE ONE CAT 6 CABLE IN 3/4" IN CONDUIT TO ABOVE CEILING.
- PROVIDE A FIRE ALARM VOICE EVACUATION PANEL TO DELIVER EVACUATION MESSAGE TO ALL SPEAKER/STROBES THROUGHOUT THE GYM AREA. CONNECT PANEL TO FIRE ALARM SYSTEM IN MAIN SCHOOL BUILDING.
- ROUTE A 1.5" CONDUIT TO NEW FLOOR BOX AND UP TO TV LOCATION FOR HDMI CABLES TO BE ROUTED BETWEEN FLOOR BOX AND TV. CONFIRM REQUIREMENT WITH THE OWNER BEFORE ROUGH-IN.
- ROUTE TWO CAT 6 CABLES IN 1" CONDUIT FOR COMMUNICATIONS FROM FLOOR RECEPTACLE TO ABOVE FIRST FLOOR CEILING. ONCE ABOVE CEILING ON FIRST FLOOR, NEATLY SUPPORT COMMUNICATION CABLES WITH J-HOOK EVERY 5' TO IDF CABINET IN ROOM 125B. NOTE FLOOR BOXES ARE SPECIFIED ON POWER SHEET.



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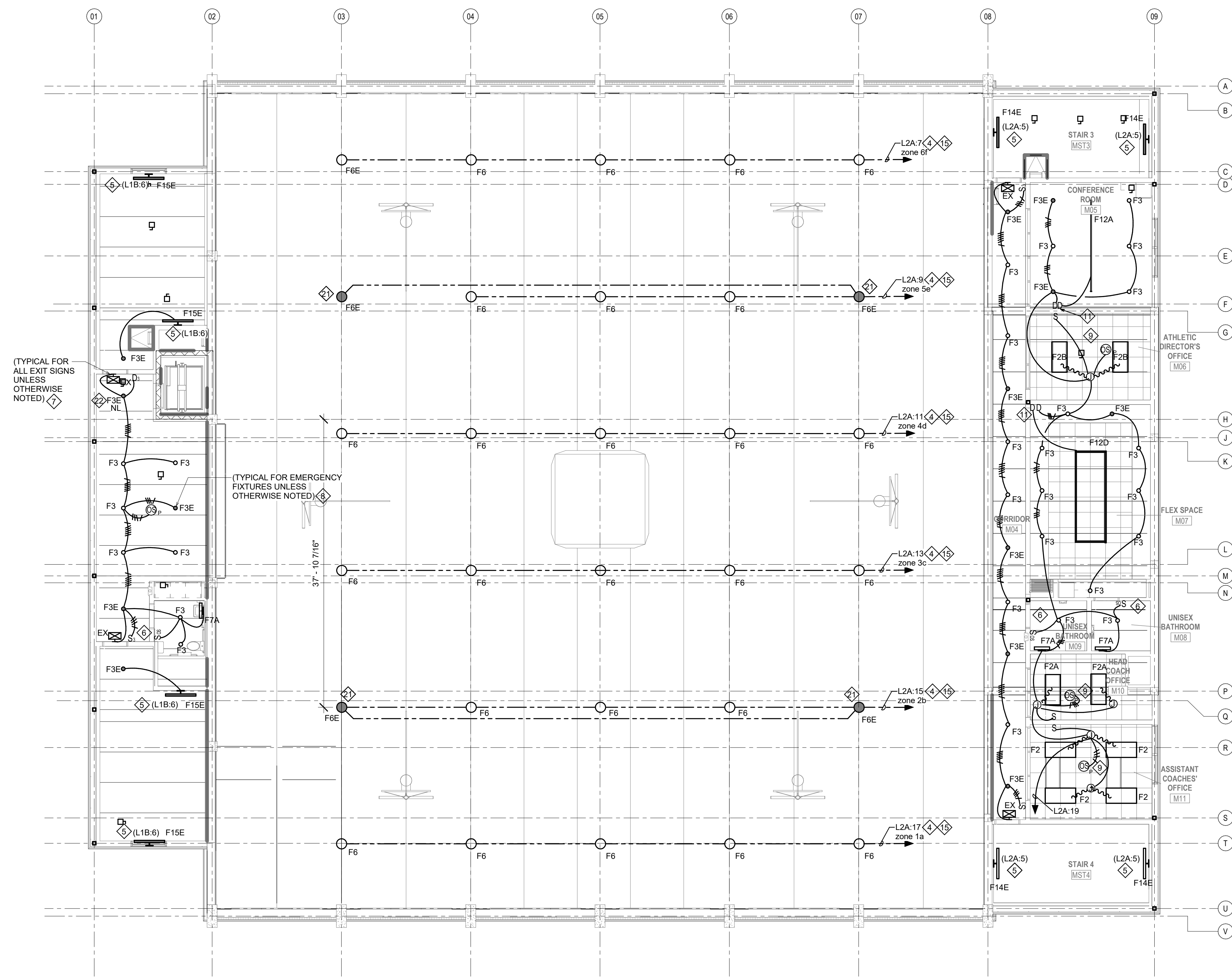
SPECIAL SYSTEM
PLAN - SECOND
FLOOR

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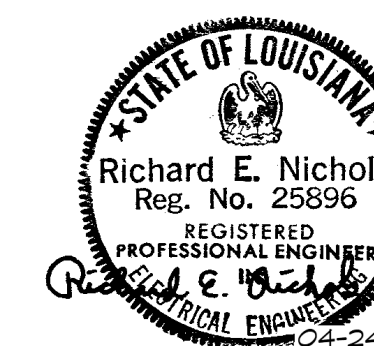
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1 LIGHTING PLAN - MEZZANINE
E1.31 SCALE: 1/8" = 1'-0"

- SPECIFIC NOTES**
- 1 PROVIDE A WALL MOUNTED PIR OCCUPANCY SENSOR WATTSTOPPER CAT # PW-100. SEE DETAIL 3 ON SHEET E2.01.
 - 2 PROVIDE A DIGITAL TIME SWITCH WATTSTOPPER CAT# TS-400.
 - 3 PROVIDE CEILING MOUNTED ULTRASONIC OCCUPANCY SENSOR WATTSTOPPER CAT# UT-300-2. SEE TYPICAL CEILING MOUNTED OCCUPANCY WIRING DIAGRAM DETAIL 5 SHEET E2.01.
 - 4 PROVIDE CEILING MOUNTED PIR OCCUPANCY SENSOR WATTSTOPPER CAT# UT-300-2. POWER FROM POWER PACK ASSOCIATED WITH OTHER OCCUPANCY SENSOR IN ROOM. SEE DETAIL 1 SHEET E2.01 WIRING DIAGRAM.
 - 5 USE # 10 CONDUCTORS ENTIRE CIRCUIT RUN.
 - 6 PROVIDE A DUAL RELAY PIR OCCUPANCY SENSOR WATTSTOPPER CAT# PW-200. ONE RELAY WILL CONTROL THE LIGHTS AND THE OTHER RELAY WILL CONTROL THE EXHAUST FAN. SEE DETAIL 2 SHEET E2.01 WIRING DIAGRAM.
 - 7 WIRE THE HOT CONDUCTOR TO ALL EXIT SIGNS. DO NOT SWITCH THESE FIXTURES.
 - 8 UNLESS OTHERWISE NOTED, ROUTE BOTH THE HOT AND SWITCHED CONDUCTORS TO ALL EMERGENCY FIXTURES. BATTERY PACK IN FIXTURE SHOULD ONLY OPERATE UPON LOSS OF HOT CONDUCTOR.
 - 9 PROVIDE CEILING MOUNTED PIR OCCUPANCY SENSOR WATTSTOPPER CAT# CI-300. INCLUDE POWER PACK WATTSTOPPER CAT#Z-150. SEE DETAIL 5 SHEET E2.01 FOR THE WIRING DIAGRAM.
 - 10 PROVIDE CEILING MOUNTED PIR OCCUPANCY SENSOR WATTSTOPPER CAT# CI-300. POWER FROM POWER PACK ASSOCIATED WITH OTHER OCCUPANCY SENSOR IN ROOM. SEE DETAIL 1 SHEET E2.01 WIRING DIAGRAM.
 - 11 PROVIDE TWO 0-10 VOLT DIMMERS WATTSTOPPER MODEL RH4FBL3P. ONE DIMMER TO CONTROL RECESSED LINEAR FIXTURE, THE OTHER DIMMER TO CONTROL THE F3 DOWNLIGHTS. SEE WIRING DIAGRAM DETAIL 8 ON SHEET E2.01. ROUTE 0-10 VOLT LOW VOLTAGE CONDUCTORS TO EACH FIXTURE.
 - 12 INSTALL LIGHT IN ELEVATOR PIT. COORDINATE EXACT LOCATION OF LIGHT WITH ELEVATOR SHOP DRAWINGS.
 - 13 ROUTE CIRCUIT AND 0-10 VOLT LOW VOLTAGE DIMMING CONDUCTORS BACK THRU DIMMING RELAY NEXT TO PANEL L1B IN STORAGE ROOM. SEE DIMMING RISER DIAGRAM 1/E2.02.
 - 14 WALL MOUNTED EXTERIOR FIXTURE AT 28'-5". SEE EXTERIOR ELEVATIONS SHEET A301 AND CONFIRM HEIGHT WITH ARCHITECT.
 - 15 ROUTE CIRCUIT AND 0-10 VOLT LOW VOLTAGE DIMMING CONDUCTORS BACK THRU DIMMING RELAY IN ELECTRICAL ROOM 208. SEE DIMMING RISER DIAGRAM 1/E2.02.
 - 16 PROVIDE DISTRIBUTED LIGHTING CONTROLLER ILC MODEL #LLEVO-TC. ALSO PROVIDE REMOTE DIMMING RELAYS ILC MODEL R20D ABOVE PANEL. SEE DIMMING RISER DIAGRAM 1/E2.02.
 - 17 PROVIDE DISTRIBUTED LIGHTING CONTROLLER ILC MODEL #LLEVO-4X. SEE DIMMING RISER DIAGRAM 1/E2.02.
 - 18 PROVIDE 0-10 VOLT DIMMING RELAY TO CONTROL GYM FIXTURES. SEE DIMMING RISER DIAGRAM 1/E2.02.
 - 19 PROVIDE A 3-SCENE WALL STATION ILC LSG3-XX-3-S AND ONE SIX ZONE DIMMING WALL STATION. COORDINATE THE EXACT SCENES WITH SCHOOL AT TIME OF INSTALL. SUGGESTED SCENES - BASKETBALL HOME GAME WITH LIGHTS OVER THE COURT AT 100% AND THE LIGHTS OVER THE STANDS AT 20%. SCENE 2 - NORMAL EVERYDAY PE CLASS LEVELS ALL LIGHTS IN GYM AT 60-80% DIM. SCENE 3 - USER SELECTED FOR SPECIAL EVENTS.
 - 20 PROVIDE 250-WATT LIGHTING INVERTER WITH AUTOMATIC 0-10 VOLT DIMMING, BODINE ELI-S-250.
 - 21 ROUTE CIRCUITRY FOR F6E FIXTURES THRU INVERTER 1 OR 2 LOCATED IN ELECTRICAL ROOM 208. EACH INVERTER WILL SERVE TWO FIXTURES. SEE INSTALL INSTRUCTIONS FOR THE INVERTER. NEED TO ROUTE THE SWITCHED AND LOW VOLTAGE DIMMING CONTROLS TO INVERTER FOR THIS ZONE.
 - 22 WIRE HOT CONDUCTOR ONLY TO EMERGENCY FIXTURE. DO NOT SWITCH. THIS FIXTURE SHALL OPERATE AS NIGHT LIGHT.
 - 23 PROVIDE CEILING MOUNTED ULTRASONIC OCCUPANCY SENSOR WATTSTOPPER CAT# UT-300-3. SEE TYPICAL CEILING MOUNTED OCCUPANCY WIRING DIAGRAM DETAIL 5 SHEET E2.01.
 - 24 PROVIDE CEILING MOUNTED PIR OCCUPANCY SENSOR WATTSTOPPER CAT# UT-300-3. POWER FROM POWER PACK ASSOCIATED WITH OTHER OCCUPANCY SENSOR IN ROOM. SEE DETAIL 1 SHEET E2.01 WIRING DIAGRAM.
 - 25 PROVIDE A SIX ZONE DIMMING WALL STATION ILC G3-4-MZD TO CONTROL THE FIVE LOBBY LIGHTING ZONES AND ONE EXTERIOR CANOPY ZONE. SEE DIMMING RISER DIAGRAM 1/E2.02.
 - 26 PROVIDE 0-10 VOLT DIMMERS WATTSTOPPER MODEL RH4FBL3P. SEE WIRING DIAGRAM DETAIL 8 ON SHEET E301. ROUTE 0-10 VOLT LOW VOLTAGE CONDUCTORS TO EACH FIXTURE.
 - 27 ROUTE CIRCUIT AND 0-10 VOLT LOW VOLTAGE DIMMING CONDUCTORS BACK THRU DIMMING RELAY NEXT TO PANEL L2B IN REFEREE ROOM. SEE DIMMING RISER DIAGRAM 1/E2.02.
 - 28 PROVIDE A WALL MOUNTED ULTRASONIC OCCUPANCY SENSOR WATTSTOPPER CAT # UW-100.
 - 29 ROUTE CIRCUITRY AND (0-10 VOLT CONDUCTORS) BACK TO DIMMING RELAY NEXT TO PANEL L2B IN REFEREE ROOM. RELAY SHALL BE CONTROLLED BY TIME CLOCK IN DISTRIBUTED LIGHTING CONTROLLER. COORDINATE WITH OWNER ON TIME SCHEDULE FOR EXTERIOR LIGHTS. SEE DIMMING RISER DIAGRAM 1/E2.02.
 - 30 PROVIDE A THREE ZONE DIMMING WALL STATION ILC G3-3-MZD TO CONTROL THE THREE LOBBY LIGHTING ZONES. SEE DIMMING RISER DIAGRAM 1/E2.02.
 - 31 PROVIDE A ONE ZONE DIMMING WALL STATION ILC G3-3-MZD TO CONTROL THE EXTERIOR LIGHTING ZONE. SEE DIMMING RISER DIAGRAM 1/E2.02.
 - 32 PROVIDE A LINE VOLTAGE DIMMING PANEL (4 OUTPUTS) ILC MODEL LS-LVD-4-500 TO CONTROL THE PUBLIC AREA DIMMING ZONES INDICATED. SEE LIGHTING CONTROL DIMMING RISER DIAGRAM ON SHEET 1/E2.02 FOR MORE INFORMATION.
 - 33 ROUTE THE TWO DIMMING ZONES FOR THE TWO CIRCUIT TRACK BACK TO THE LINE VOLTAGE DIMMING PANEL DP-1. SEE LIGHTING CONTROL DIMMING RISER DIAGRAM ON SHEET 1/E2.02 FOR MORE INFORMATION.
 - 34 PROVIDE TWO UNIVERSAL DIMMERS WATTSTOPPER MODEL RH703PTUV. EACH DIMMER CONTROLS HALF OF THE TWO CIRCUIT TRACK.
 - 35 ROUTE CIRCUITRY BACK TO DIMMING RELAY NEXT TO PANEL L1B IN STORAGE ROOM 108A. RELAY SHALL BE CONTROLLED BY TIME CLOCK IN DISTRIBUTED LIGHTING CONTROLLER. NOTE ROUTE 0-10 VOLT DIMMING CONDUCTORS TO F22 FIXTURES AT HOPE STREET CANOPY. COORDINATE WITH OWNER ON TIME SCHEDULE FOR EXTERIOR LIGHTS. SEE DIMMING RISER DIAGRAM 1/E2.02.



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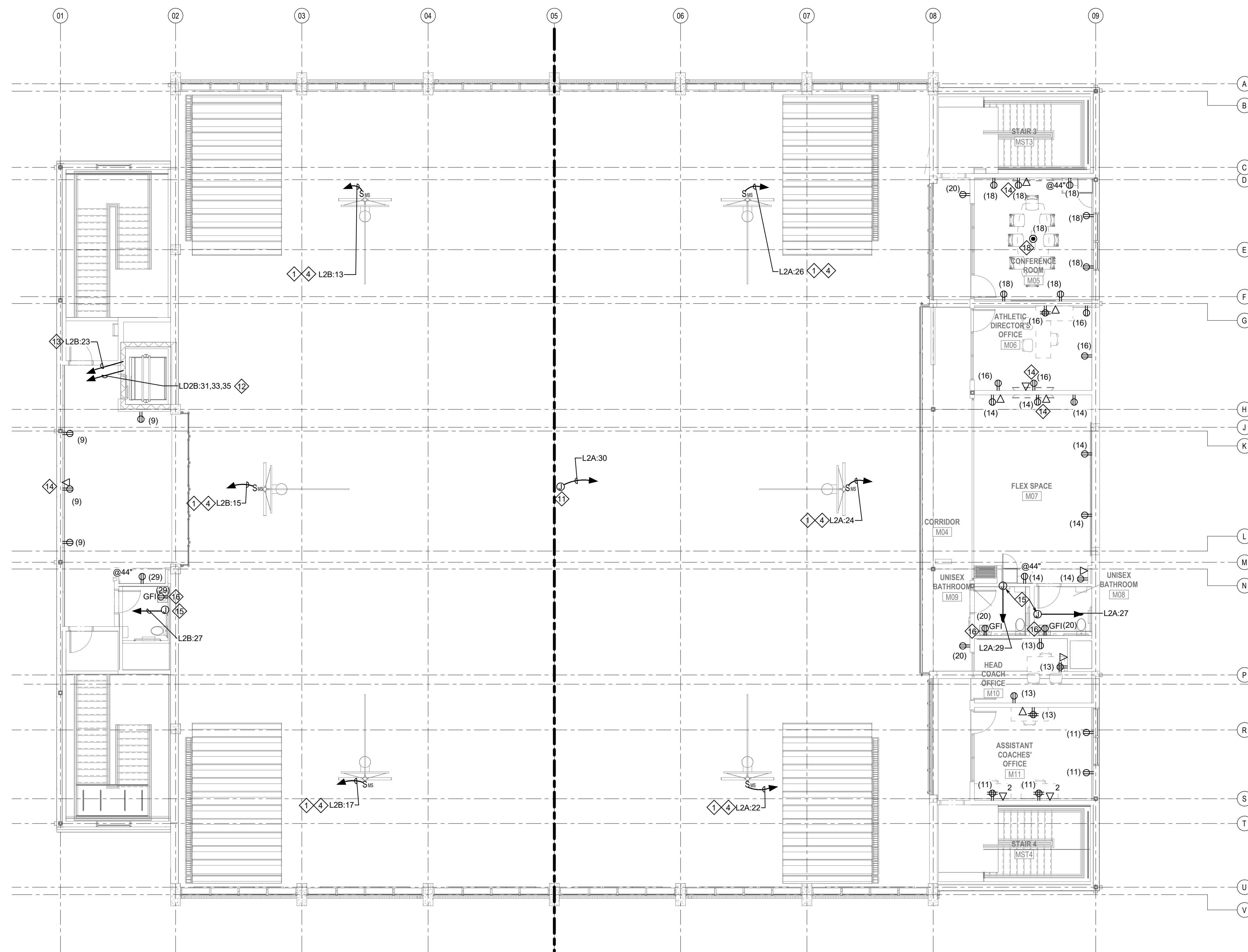
LIGHTING PLAN - MEZZANINE

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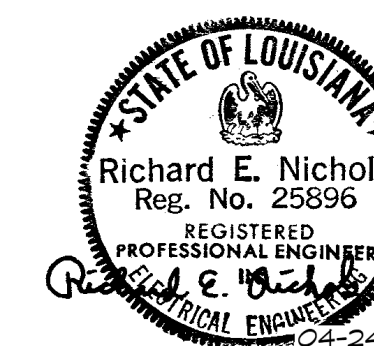
1 POWER PLAN - MEZZANINE
E1.32 SCALE: 1/8" = 1'-0"

UNLESS OTHERWISE NOTED,
ALL CIRCUIT NUMBERS
INDICATED ARE ASSOCIATED
WITH PANEL L2B.

UNLESS OTHERWISE NOTED,
ALL CIRCUIT NUMBERS
INDICATED ARE ASSOCIATED
WITH PANEL L2A.

SPECIFIC NOTES

- 1 USE #10 CONDUCTORS THE ENTIRE CIRCUIT RUN.
- 2 PROVIDE NEMA 14-30R RECEPTACLE FOR DRYER AND ROUTE 2#10, 1#10 NEUTRAL AND 1#10 GND IN 1" BACK TO 30 AMP, 2 POLE C/B IN DESIGNATED PANEL.
- 3 PROVIDE 120 VOLTS FOR DRINKING FOUNTAIN. COORDINATE WITH DRINKING FOUNTAIN SUPPLIER FOR EXACT MOUNTING HEIGHT AND LOCATION OF RECEPTACLE.
- 4 ROUTE CIRCUIT THROUGH KEY SWITCH FOR BASKETBALL GOALS WINCH MOTOR. PROVIDE THREE CONDUCTORS (UP AND DOWN SWITCH LEGS AND NEUTRAL) PLUS GROUND IN 3/4" CONDUIT TO KEY SWITCH, AND TWO CONDUCTORS (HOT AND NEUTRAL) PLUS GROUND IN 3/4" CONDUIT FROM KEY SWITCH TO PANEL.
- 5 PROVIDE A 30 AMP, 3 POLE, 240 VOLT, DISCONNECT SWITCH FOR POWERED BLEACHERS NEXT TO THE BLEACHER CONTROLLER AND ROUTE 3#12, 1#12 GND IN 3/4" CONDUIT BACK TO 20 AMP, 3 POLE CIRCUIT BREAKER IN DESIGNATED PANEL. FUSE DISCONNECT SWITCH AS RECOMMENDED BY MANUFACTURER AND MAKE CONNECTION TO CONTROLLER PROVIDED BY BLEACHER MANUFACTURER. CONFIRM LOCATION OF CONTROLLER BEFORE ROUGH-IN.
- 6 PROVIDE 3-GANG GYM EQUIPMENT KEY SWITCH DRAPER CATALOG # C112.137. KEY SWITCHES 1 THROUGH 3 SHALL CONTROL BASKETBALL GOAL MOTOR WINCHES FOR WEST SIDE GOALS. PROVIDE ENGRAVED PLATE TO LABEL EACH SWITCH. COORDINATE EXACT MOUNTING LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- 7 PROVIDE 3-GANG GYM EQUIPMENT KEY SWITCH DRAPER CATALOG # C112.137. KEY SWITCHES 1 THROUGH 3 SHALL CONTROL BASKETBALL GOAL MOTOR WINCHES FOR EAST SIDE GOALS. PROVIDE ENGRAVED PLATE TO LABEL EACH SWITCH. COORDINATE EXACT MOUNTING LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- 8 SEE ELECTRICAL RISER DIAGRAM SHEET E4.01 FOR MORE INFORMATION ON SERVICE DISCONNECT SIZES AND WIRING.
- 9 COORDINATE ALL POWER LOCATIONS IN IT ROOMS WITH COMMUNICATIONS EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
- 10 TWO-GANG RECESSED BOX WITH COVERPLATE FOR BLEACHER CONTROLS. COORDINATE THE EXACT LOCATION(S) WITH ARCHITECT PRIOR TO ROUGH-IN.
- 11 PROVIDE POWER FOR SUSPENDED SCOREBOARD.
- 12 ROUTE 3#8, 1#10 GND IN 1" CONDUIT FROM ELEVATOR CONTROLLER IN ELEVATOR DOOR JAMB BACK TO 50 AMP, 3 POLE, SHUNT TRIP C/B WITH AUX CONTACTS IN DESIGNATED PANEL. CONFIRM WITH ELEVATOR SHOP DRAWINGS THE EXACT LOCATION OF ELEVATOR CONTROLLER. IF REQUIRED PROVIDE A NON-FUSED 60 AMP, 3 POLE DISCONNECT SWITCH WITH AUX CONTACTS.
- 13 ROUTE DEDICATED 120 VOLT CIRCUIT FOR ELEVATOR CAB LIGHTS FROM CONTROLLER BACK TO 20 AMP, 1 POLE C/B IN DESIGNATED PANEL. PROVIDE A 20 AMP, 1 POLE, 120 VOLT LOCKABLE SWITCH NEXT TO THE ELEVATOR CONTROLLER FOR CAB LIGHTS. MAKE CONNECTION TO CONTROLLER. CONFIRM EXACT REQUIREMENTS WITH ELEVATOR SHOP DRAWINGS.
- 14 MOUNT RECEPTACLE AND DATA OUTLET AT 60" FOR INTERACTIVE DISPLAY BOARD. CONFIRM WITH THE OWNER/ARCHITECT EXACT MOUNTING HEIGHT BEFORE ROUGH-IN.
- 15 PROVIDE 120 VOLT POWER TO ELECTRIC HAND DRYER.
- 16 PROVIDE 120 VOLT POWER TO AUTOMATIC FAUCETS. COORDINATE WITH THE PLUMBING CONTRACTOR FOR EXACT REQUIREMENTS.
- 17 PROVIDE A RECEPTACLE FOR THE SUMP PUMP IN THE PIT. CONFIRM EXACT CONNECTION REQUIREMENTS FOR PUMP BEFORE ROUGH-IN.
- 18 PROVIDE RECESSED POKE THR FLUSH-MOUNTED FLOOR BOX WITH COVER. BOX TO INCLUDE DUPLEX POWER RECEPTACLE AND TWO CAT 6 DATA PORTS. POWER AND DATA CABLES SHALL BE RUN IN SEPARATE CONDUITS. COORDINATE THE EXACT FLOORBOX LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. CONSULT OWNER OR ARCHITECT FOR BOX COVER FINISH SELECTION. PROVIDE HUBBELL SYSTEM ONE SERIES OR EQUAL.
- 19 EXISTING JUNCTION BOX WITH CIRCUITRY TO STEM CLASSROOM TO REMAIN. EXISTING FEEDER UP TO EXISTING SWITCHBOARD TO BE REMOVED WHEN THE SWITCHBOARD IS DEMOLISHED. SPLICE EXISTING CONDUCTORS (2-SET OF #500 MCM (AL), 1#1 GND IN 3.5" CONDUIT) AND ROUTE EXPOSED FROM JUNCTION BOX TO NEW SERVICE DISCONNECT SWITCH FOR STEM CLASSROOM. COORDINATE THIS WORK SO THAT IT IS DONE DURING THE SUMMER OR A SCHOOL HOLIDAY TO AVOID INTERRUPTING SCHOOL ACTIVITIES.



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POWER PLAN -
MEZZANINE

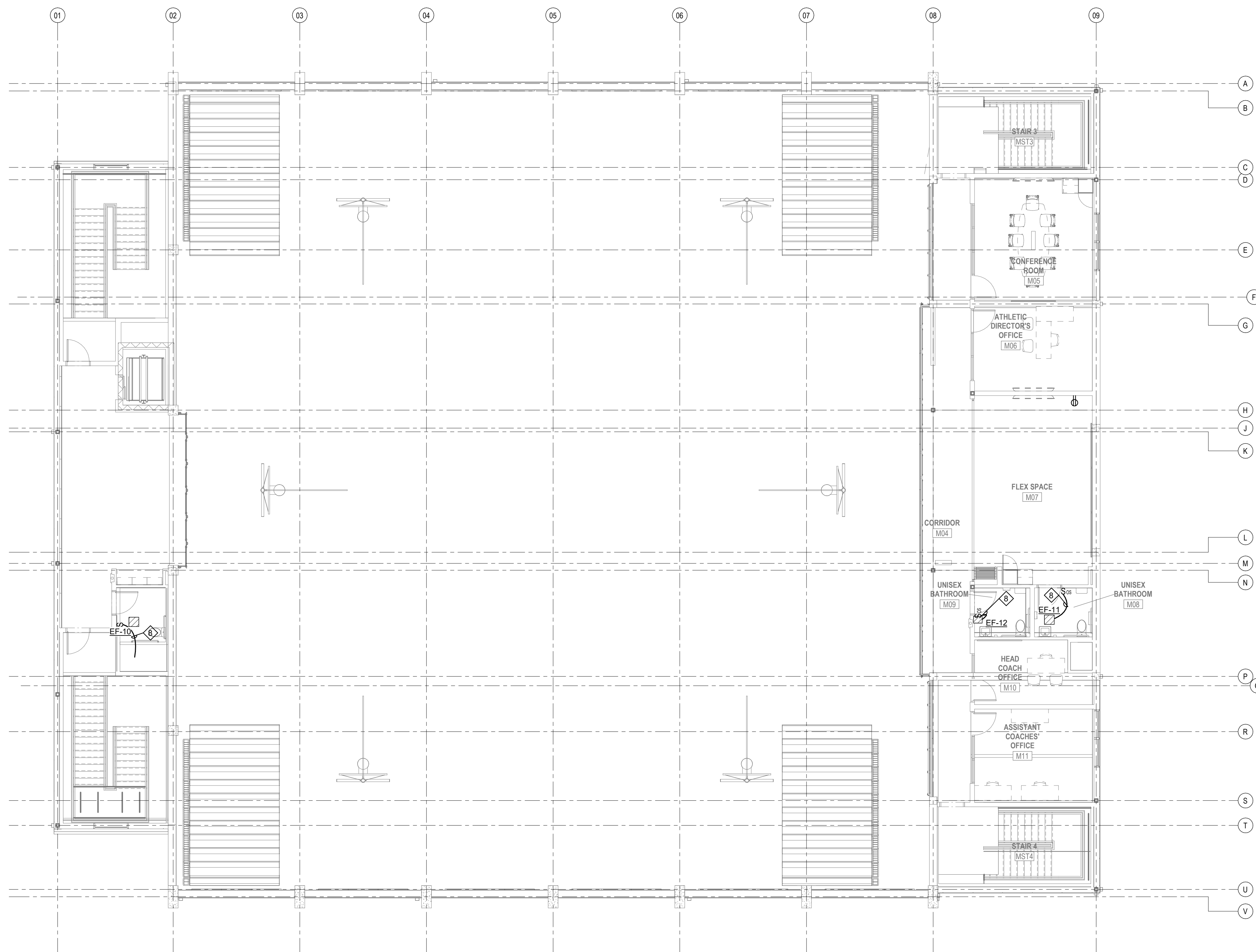
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RENOVATION
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OWNER
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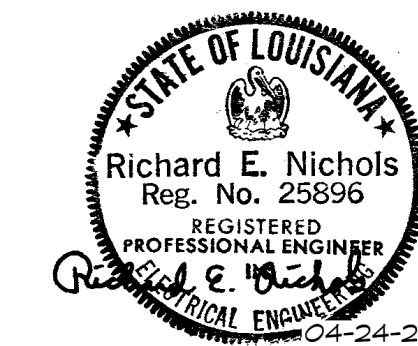
CONTRACTOR
Woodward Design+Build
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- SPECIFIC NOTES**
- 1 PROVIDE A 30 AMP, 3 POLE, 240 VOLT, DISCONNECT SWITCH AT AHU AND ROUTE 3#12, 1#12 GD IN 3/4" CONDUIT BACK TO 15 AMP, 3 POLE C/B IN DESIGNATED PANEL. FUSE DISCONNECT SWITCH AS RECOMMENDED BY MANUFACTURER AND MAKE CONNECTION TO UNIT.
 - 2 PROVIDE A 30 AMP, 3 POLE, 240 VOLT, DISCONNECT SWITCH AT AHU AND ROUTE 3#10, 1#10 GD IN 1" CONDUIT BACK TO 30 AMP, 3 POLE C/B IN DESIGNATED PANEL. FUSE DISCONNECT SWITCH AS RECOMMENDED BY MANUFACTURER AND MAKE CONNECTION TO UNIT.
 - 3 PROVIDE 20 AMP, 2 POLE MOTOR RATED TOGGLE SWITCH AT AHU AND ROUTE 2#12, 1#12 GND IN 3/4" CONDUIT BACK TO JUNCTION BOX.
 - 4 FROM JUNCTION BOX ROUTE 2#12, 1#12 GND IN 3/4" BACK 15 AMP, 2 POLE C/B IN DESIGNATED PANEL.
 - 5 PROVIDE 20 AMP, 2 POLE MOTOR RATED TOGGLE SWITCH AT AHU AND ROUTE 2#12, 1#12 GND IN 3/4" CONDUIT BACK TO 15 AMP, 2 POLE C/B IN DESIGNATED PANEL.
 - 6 PROVIDE 120V CONTROL POWER FOR MECHANICAL EQUIPMENT.
 - 7 ROUTE 120 VOLT CIRCUIT FOR EXHAUST FAN THRU LINE VOLTAGE THERMOSTAT PROVIDED BY DIV 23.
 - 8 CONNECT EXHAUST FAN TO DUAL RELAY OCCUPANCY SENSOR SWOWN ON LIGHTING PLAN AND CONNECT TO LIGHTING CIRCUIT.
 - 9 SEE ELECTRICAL RISER DIAGRAM FOR WIRING TO FIRE PUMP.
 - 10 ROUTE 3#12, 1#12 GND IN 1" CONDUIT FROM JOCKEY PUMP CONTROLLER TO 20 AMP, 3 POLE C/B IN DESIGNATED PANEL. ROUTE CIRCUITRY FROM CONTROLLER TO PUMP.
 - 11 PROVIDE 20 AMP, 2 POLE MOTOR RATED TOGGLE SWITCH AT UNIT AND ROUTE 2#12, 1#12 GND IN 3/4" CONDUIT TO OUTDOOR UNIT. OUTDOOR UNIT POWERS INDOOR UNIT. VERIFY EXACT REQUIREMENTS WITH MECHANICAL SHOP DRAWINGS BEFORE ROUGH-IN.
 - 12 ROUTE 3#8, 1#10 GND IN 1" CONDUIT FROM DOMESTIC WATER PUMP CONTROLLER BACK TO 35 AMP, 3 POLE C/B IN DESIGNATED PANEL. ROUTE CIRCUITRY FROM CONTROLLER TO PUMP.

1 MECHANICAL POWER - MEZZANINE
E1.33 SCALE: 1/8" = 1'-0"



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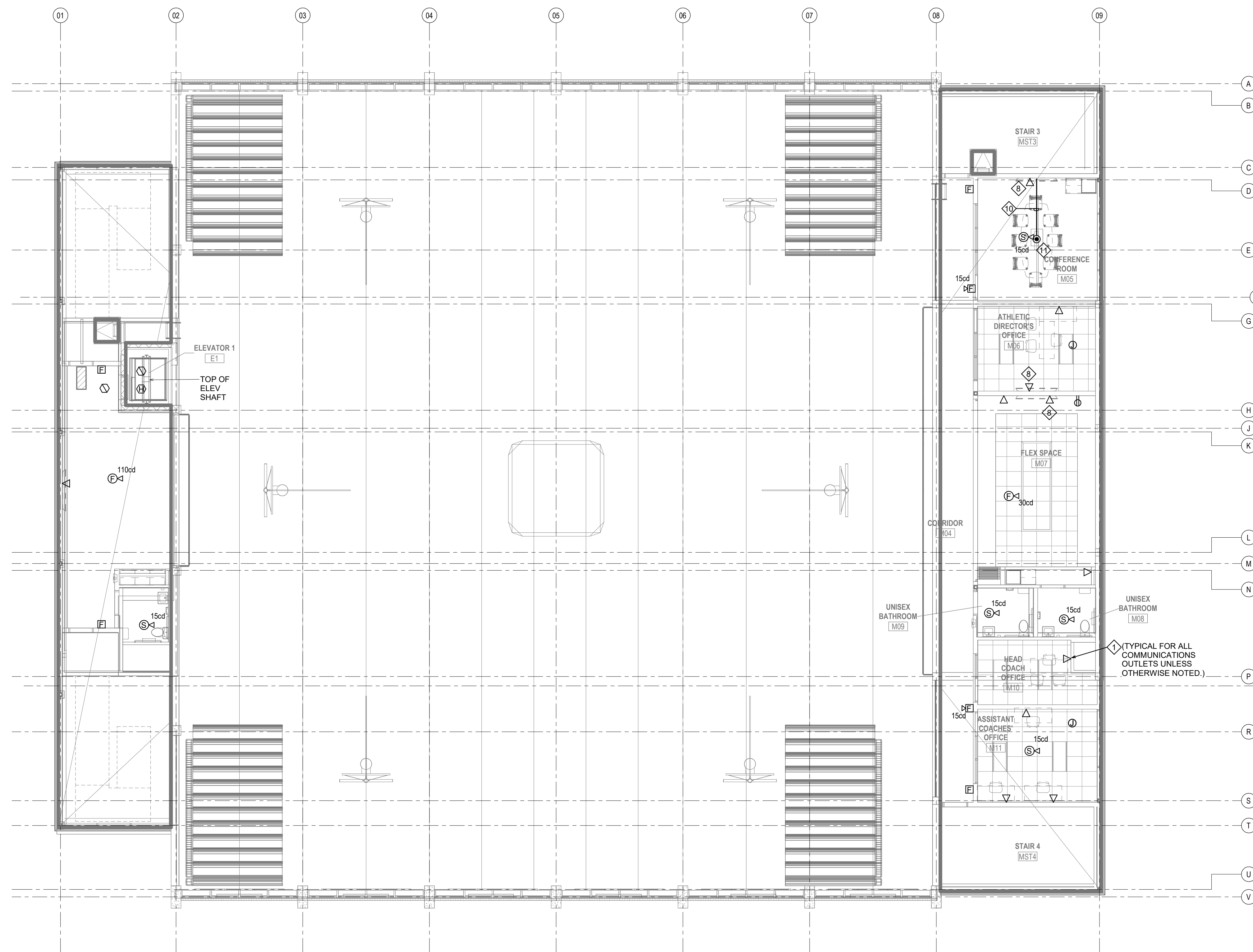
MECHANICAL
POWER -
MEZZANINE

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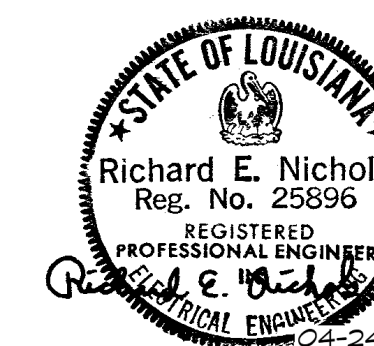
GENERAL NOTES

- 1 ALL COMMUNICATION CABLES SHALL BE ROUTED ABOVE CEILING AND SUPPORTED BY J-HOOKS EVERY 5' BACK TO IDF RACK IN DATA RM 125B. WHERE EXPOSED THESE CABLES SHALL BE ROUTED IN CONDUIT.
- 2 PROVIDE A 4"x4" X 2-1/8" BOX WITH TWO CAT 6 RATED FOR COMMUNICATIONS AND ROUTE TWO CAT 6 CABLES IN ONE 3/4" CONDUIT FROM BOX TO THE ABOVE CEILING. ONCE ABOVE CEILING, NEATLY SUPPORT COMMUNICATION CABLES WITH J-HOOK EVERY 5' BACK TO IDF RACK IN DATA RM 125B.
- 3 FOR COMMUNICATIONS DEVICES ON 2ND FLOOR AND MEZZANINE ROUTE CABLES IN CONDUIT CONCEALED IN WALLS DOWN TO ABOVE FIRST FLOOR CEILING AND THEN AND SUPPORTED BY J-HOOKS EVERY 5' BACK TO IDF RACK. WHERE EXPOSED THESE CABLES SHALL BE ROUTED IN CONDUIT.

SPECIFIC NOTES

- 1 SEE GENERAL NOTE 2 FOR ALL COMMUNICATION DEVICES AND SEE DETAIL 6 ON SHEET E2.01.
- 2 FLOW AND TAMPER SWITCHES WILL BE PROVIDED BY THE SPRINKLER SYSTEM INSTALLER. PROVIDE MONITORING MODULES OR OTHER DEVICES, AS REQUIRED, TO MONITOR THE STATE OF THESE SWITCHES. COORDINATE THE QUANTITY AND LOCATION OF SWITCHES WITH SPRINKLER SYSTEM INSTALLER.
- 3 PROVIDE MONITOR MODULES TO MONITOR THE STATUS OF THE FIRE PUMP.
- 4 ROUTE FOUR CAT 6 CABLES IN 1.25" CONDUIT FOR COMMUNICATIONS FROM FLOOR RECEPTACLE TO WALL SHOWN AND THEN ROUTE CONDUIT UP WALL TO ABOVE ACCESSIBLE CEILING. ONCE ABOVE ACCESSIBLE CEILING, NEATLY SUPPORT COMMUNICATION CABLES WITH J-HOOK EVERY 5' TO IDF CABINET. NOTE FLOOR BOXES ARE SPECIFIED ON POWER SHEET.
- 5 ROUTE A 1" CONDUIT WITH TWO CAT 6 CABLE FOR COMMUNICATIONS BETWEEN FLOOR RECEPTACLES.
- 6 PROVIDE TWO DUCT MOUNTED SMOKE DETECTORS ONE SHALL BE INSTALLED IN THE SUPPLY AND ONE IN THE RETURN DUCT OF THIS AIR HANDLER. ACTIVATION OF EITHER SMOKE DETECTOR SHALL CAUSE A SHUTDOWN OF THE ASSOCIATED MECHANICAL UNIT. COORDINATE THE INTERLOCK REQUIRED FOR THIS OPERATION WITH MECHANICAL CONTROLS INSTALLER. DUCT DETECTORS SHALL BE MOUNTED BY THE DUCT WORK INSTALLER. COORDINATE THE INSTALLATION WITH THIS CONTRACTOR.
- 7 MOUNT 4' X 8' PLYWOOD BACKBOARD AT LOCATION SHOWN FOR COMMUNICATION EQUIPMENT. PAINT PLYWOOD BACKBOARD WITH TWO COATS OF FIRE RETARDANT PAINT. PROVIDE A WALL MOUNT COMMUNICATION CABINET CHATSWORTH MODEL 15320724 OR EQUAL. THE CABINET SHALL BE 19" WIDE AND 24" DEPTH. INCLUDE TWO 48 PORT CAT 6 RATED PATCH PANELS. USING #6 GROUND BOND TELECOMMUNICATION RACK TO SERVICE ENTRANCE GROUND POINT NEAR METER CENTER. ROUTE GROUND IN 1" PVC CONDUIT FOR PROTECTION.
- 8 FOR DATA OUTLET ASSOCIATED WITH DIGITAL SCREEN, ROUTE ONE CAT 6 CABLE IN 3/4" IN CONDUIT TO ABOVE CEILING.
- 9 PROVIDE A FIRE ALARM VOICE EVACUATION PANEL TO DELIVER EVACUATION MESSAGE TO ALL SPEAKER/STROBES THROUGHOUT THE GYM AREA. CONNECT PANEL TO FIRE ALARM SYSTEM IN MAIN SCHOOL BUILDING.
- 10 ROUTE A 1.5" CONDUIT TO NEW FLOOR BOX AND UP TO TV LOCATION FOR HDMI CABLES TO BE ROUTED BETWEEN FLOOR BOX AND TV. CONFIRM REQUIREMENT WITH THE OWNER BEFORE ROUGH-IN.
- 11 ROUTE TWO CAT 6 CABLES IN 1" CONDUIT FOR COMMUNICATIONS FROM FLOOR RECEPTACLE TO ABOVE FIRST FLOOR CEILING. ONCE ABOVE CEILING ON FIRST FLOOR, NEATLY SUPPORT COMMUNICATION CABLES WITH J-HOOK EVERY 5' TO IDF CABINET IN ROOM 125B. NOTE FLOOR BOXES ARE SPECIFIED ON POWER SHEET.

1 SPECIAL SYSTEM PLAN - MEZZANINE
E1.34 SCALE: 1/8" = 1'-0"



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SPECIAL SYSTEM
PLAN -
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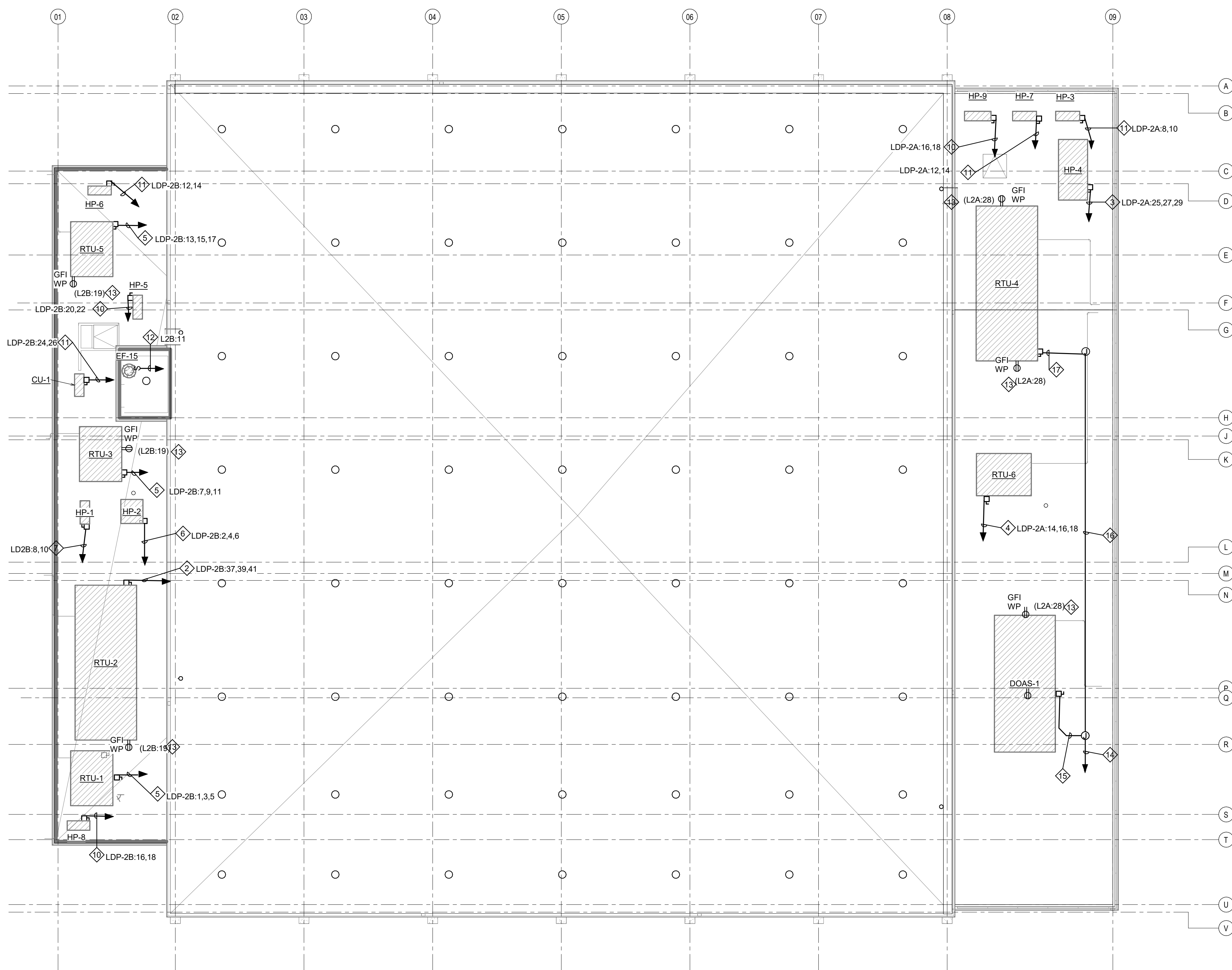
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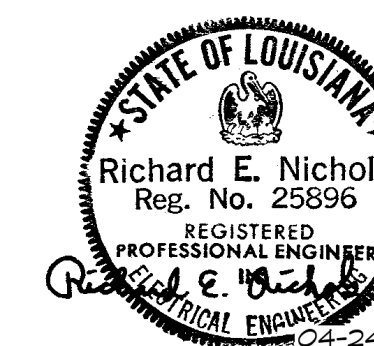
1 ELECTRICAL PLAN - ROOF
E1.41 SCALE: 1/8" = 1'-0"

GENERAL NOTES

- ANY CIRCUITRY ROUTED ABOVE THE ROOF WILL NEED TO BE SUPPORTED AT AND BE ROUTED AT LEAST 12" ABOVE THE ROOF SURFACE.

SPECIFIC NOTES

- PROVIDE A 200 AMP, 3 POLE, 240 VOLT, NEMA 3R FUSED DISCONNECT SWITCH FOR DOAS-1. ROUTE 3 #250 MCM AL, 1#16 CU GND IN 2.5" CONDUIT BACK TO 200 AMP C/B IN PANEL INDICATED. FUSE DISCONNECT SWITCH AS RECOMMENDED BY MANUFACTURER AND MAKE CONNECTION TO UNIT.
- PROVIDE A 400 AMP, 3 POLE, 240 VOLT, NEMA 3R DISCONNECT SWITCH FOR RTU AND ROUTE 3#350 (AL), 1#4 (CU) GND IN 3" CONDUIT BACK TO 250 AMP, 3 POLE CIRCUIT BREAKER IN DESIGNATED PANEL. FUSE DISCONNECT SWITCH AS RECOMMENDED BY MANUFACTURER AND MAKE CONNECTION TO UNIT.
- PROVIDE A 100 AMP, 3 POLE, 240 VOLT, NEMA 3R DISCONNECT SWITCH FOR HP AND ROUTE 3#4 (CU), 1 #8 (CU) GND IN 1.25" CONDUIT BACK TO 80 AMP, 3 POLE CIRCUIT BREAKER IN DESIGNATED PANEL. FUSE DISCONNECT SWITCH AS RECOMMENDED BY MANUFACTURER AND MAKE CONNECTION TO UNIT.
- PROVIDE A 60 AMP, 3 POLE, 240 VOLT, NEMA 3R DISCONNECT SWITCH FOR RTU AND ROUTE 3#8, 1#10 GND IN 1" CONDUIT BACK TO 50 AMP, 3 POLE CIRCUIT BREAKER IN DESIGNATED PANEL. FUSE DISCONNECT SWITCH AT 50 AMP OR AS RECOMMENDED BY MANUFACTURER AND MAKE CONNECTION TO UNIT.
- PROVIDE A 60 AMP, 3 POLE, 240 VOLT, NEMA 3R DISCONNECT SWITCH FOR HP AND ROUTE 3#8, 1#10 GND IN 1" CONDUIT BACK TO 45 AMP, 3 POLE CIRCUIT BREAKER IN DESIGNATED PANEL. FUSE DISCONNECT SWITCH AT 45 AMP OR AS RECOMMENDED BY MANUFACTURER AND MAKE CONNECTION TO UNIT.
- PROVIDE A 60 AMP, 3 POLE, 240 VOLT, NEMA 3R DISCONNECT SWITCH FOR HP AND ROUTE 3#8, 1#10 GND IN 1" CONDUIT BACK TO 35 AMP, 3 POLE CIRCUIT BREAKER IN DESIGNATED PANEL. FUSE DISCONNECT SWITCH AT 35 AMP OR AS RECOMMENDED BY MANUFACTURER AND MAKE CONNECTION TO UNIT.
- PROVIDE A 60 AMP, 3 POLE, 240 VOLT, NEMA 3R DISCONNECT SWITCH FOR HP AND ROUTE 2#8, 1#10 GND IN 1" CONDUIT BACK TO 40 AMP, 2 POLE CIRCUIT BREAKER IN DESIGNATED PANEL. FUSE DISCONNECT SWITCH AT 30 AMP OR AS RECOMMENDED BY MANUFACTURER AND MAKE CONNECTION TO UNIT.
- PROVIDE A 30 AMP, 3 POLE, 240 VOLT, NEMA 3R DISCONNECT SWITCH FOR HP AND ROUTE 3#10, 1#10 GND IN 1" CONDUIT BACK TO 25 AMP, 3 POLE CIRCUIT BREAKER IN DESIGNATED PANEL. FUSE DISCONNECT SWITCH AT 25 AMP OR AS RECOMMENDED BY MANUFACTURER AND MAKE CONNECTION TO UNIT.
- PROVIDE A 30 AMP, 3 POLE, 240 VOLT, NEMA 3R DISCONNECT SWITCH FOR HP AND ROUTE 2#10, 1#10 GND IN 1" CONDUIT BACK TO 30 AMP, 2 POLE CIRCUIT BREAKER IN DESIGNATED PANEL. FUSE DISCONNECT SWITCH AT 30 AMP OR AS RECOMMENDED BY MANUFACTURER AND MAKE CONNECTION TO UNIT.
- PROVIDE A 60 AMP, 3 POLE, 240 VOLT, NEMA 3R DISCONNECT SWITCH FOR HP AND ROUTE 2#8, 1#10 GND IN 1" CONDUIT BACK TO 35 AMP, 2 POLE CIRCUIT BREAKER IN DESIGNATED PANEL. FUSE DISCONNECT SWITCH AT 35 AMP OR AS RECOMMENDED BY MANUFACTURER AND MAKE CONNECTION TO UNIT.
- PROVIDE A 30 AMP, 2 POLE, 240 VOLT, NEMA 3R DISCONNECT SWITCH FOR HP AND ROUTE 2#12, 1#12 GND IN 3/4" CONDUIT BACK TO 20 AMP, 2 POLE CIRCUIT BREAKER IN DESIGNATED PANEL. FUSE DISCONNECT SWITCH AS RECOMMENDED BY MANUFACTURER AND MAKE CONNECTION TO UNIT.
- PROVIDE A 120 VOLT, MOTOR RATED SWITCH IN A WEATHERPROOF BOX AND COVER AT EXHAUST FAN AND ROUTE CIRCUITRY THRU LINE VOLTAGE THERMOSTAT IN ELEVATOR SHAFT AND THEN BACK TO 20 AMP, 1 POLE C/B IN DESIGNATED PANEL.
- USE #10 ENTIRE CIRCUIT RUN.
- ROUTE 2 SETS OF 3# 250 MCM (AL), 1#4 GND (CU) IN 2.5" CONDUIT FROM JUNCTION BOX DOWN TO 400 AMP SERVICE DISCONNECT SWITCH IN MAIN ELECTRICAL ROOM ON 2ND FLOOR. SEE THE ELECTRICAL RISER DIAGRAM.
- FROM JUNCTION BOX TAP FEEDER AND ROUTE 3#250 MCM, 1#6GND IN 2.5" CONDUIT TO 200 AMP, 3 POLE, 240 VOLT, NEMA 3R DISCONNECT SWITCH FOR DOAS UNIT. FUSE DISCONNECT SWITCH AT 200 AMPS AND MAKE CONNECTION TO UNIT.
- ROUTE 2 SETS OF 3# 250 MCM (AL), 1#4 GND (CU) IN 2.5" CONDUIT BETWEEN JUNCTION BOXES.
- FROM JUNCTION BOX TAP FEEDER AND ROUTE 3#350 MCM, 1#4GND IN 3" CONDUIT TO 400 AMP, 3 POLE, 240 VOLT, NEMA 3R FUSED DISCONNECT SWITCH FOR RTU. FUSE DISCONNECT SWITCH AT 250 AMPS AND MAKE CONNECTION TO UNIT.



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ELECTRICAL
PLAN - ROOF

E1.41

OWNER
St. Augustine Highschool
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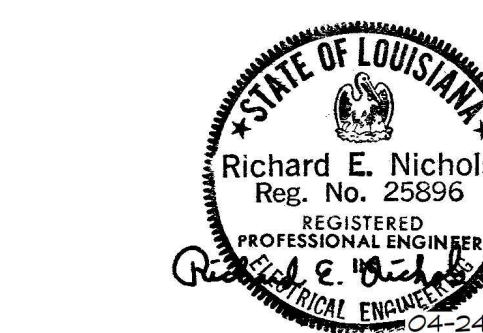
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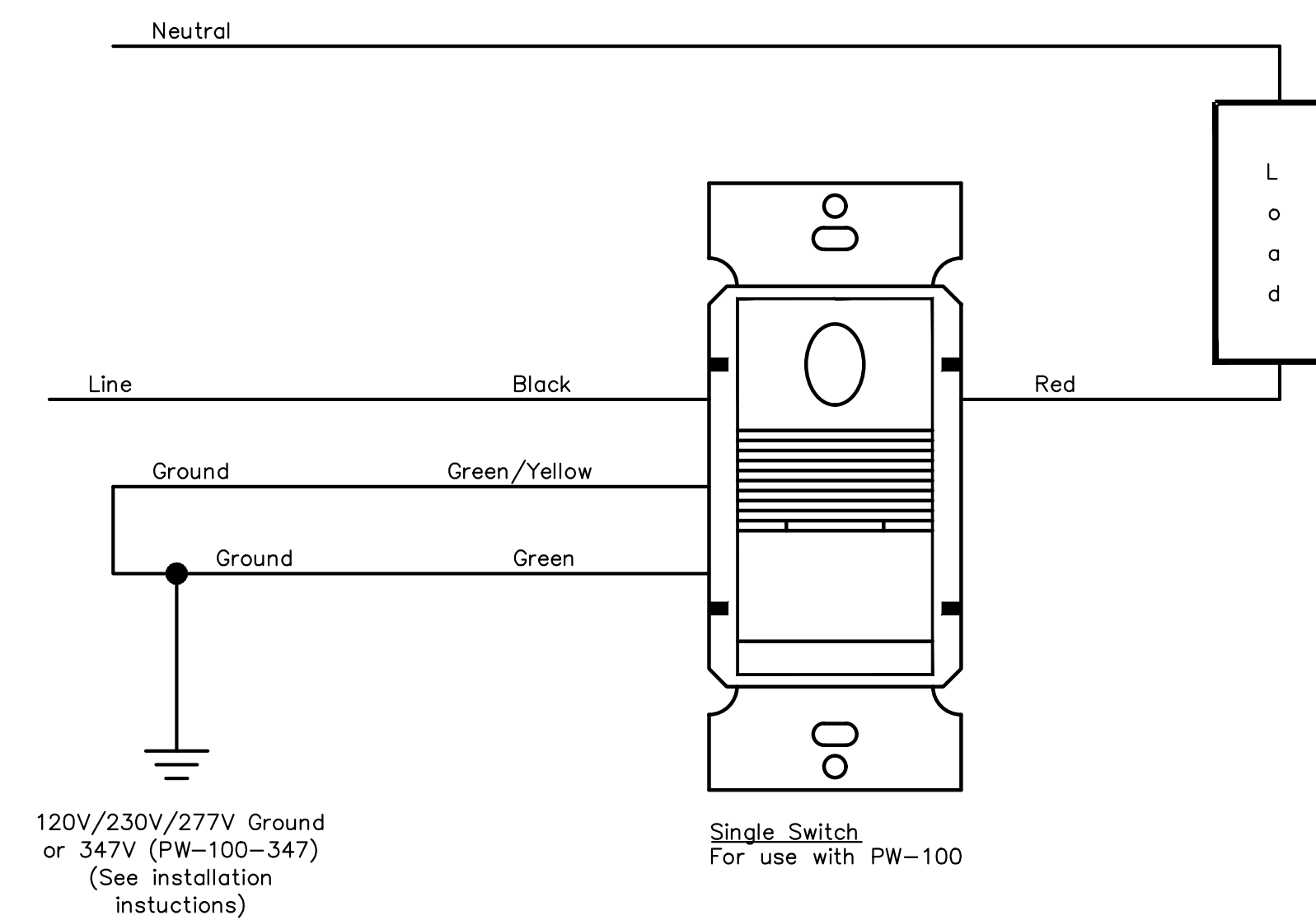
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ELECTRICAL DETAILS

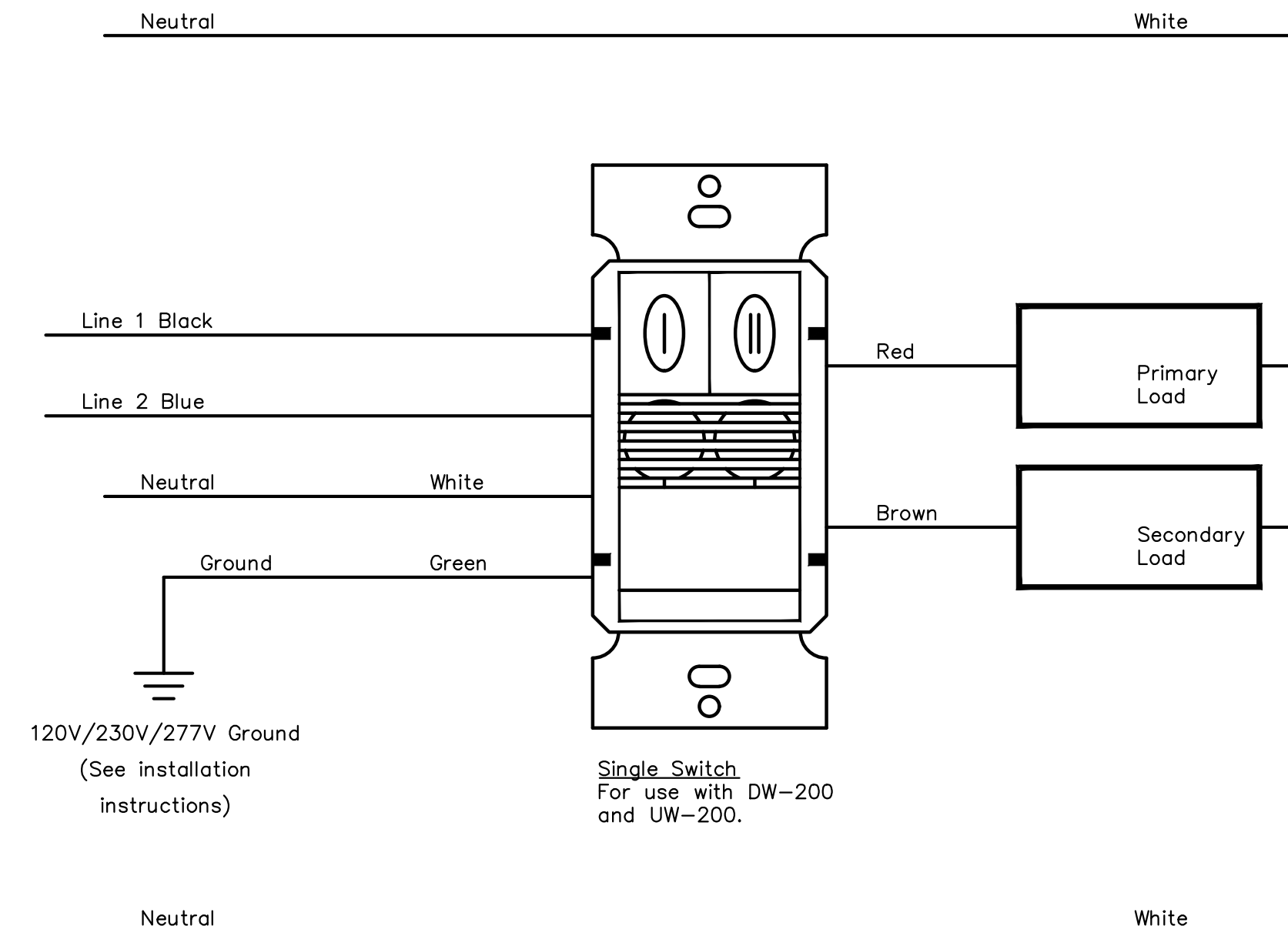
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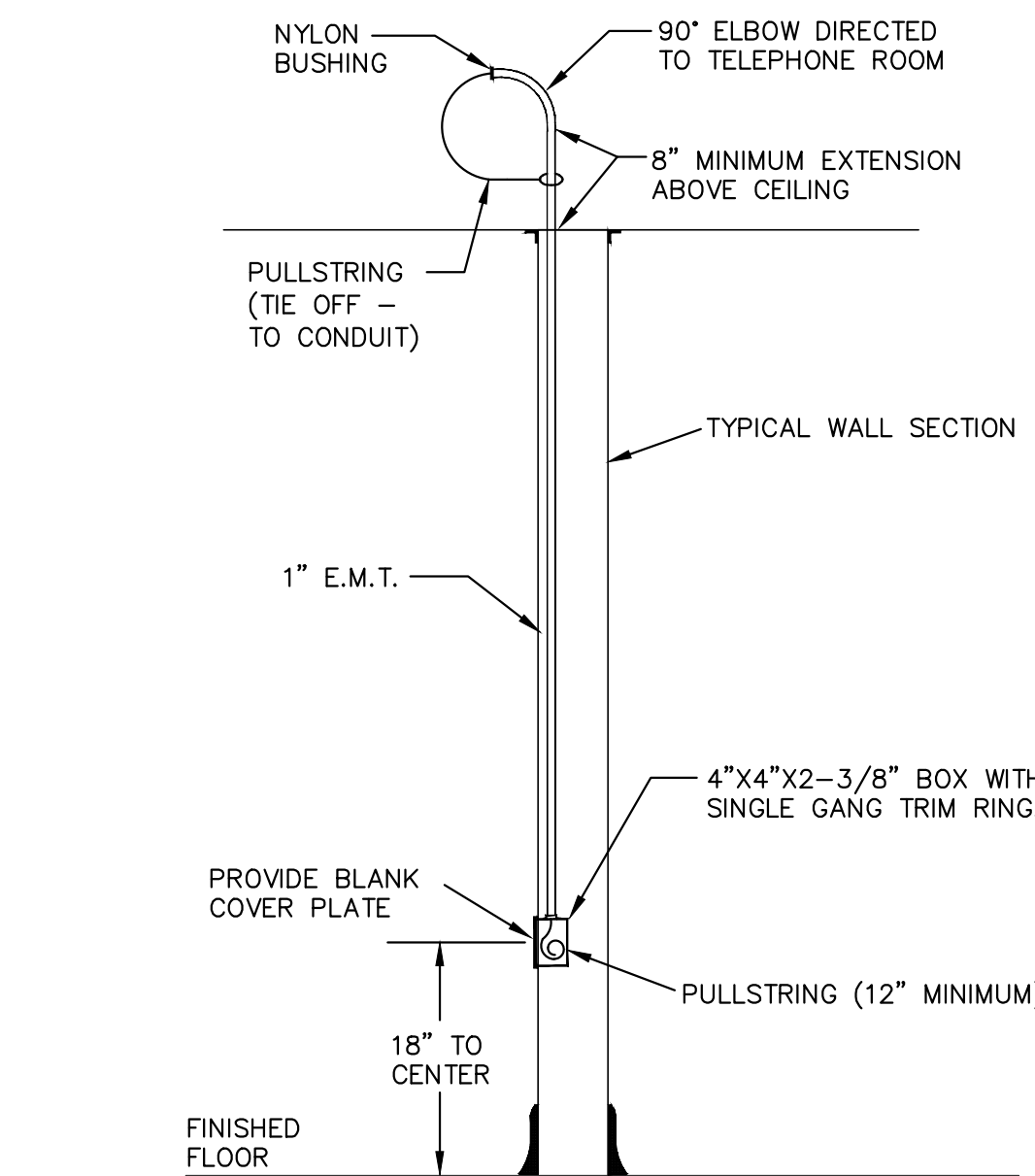
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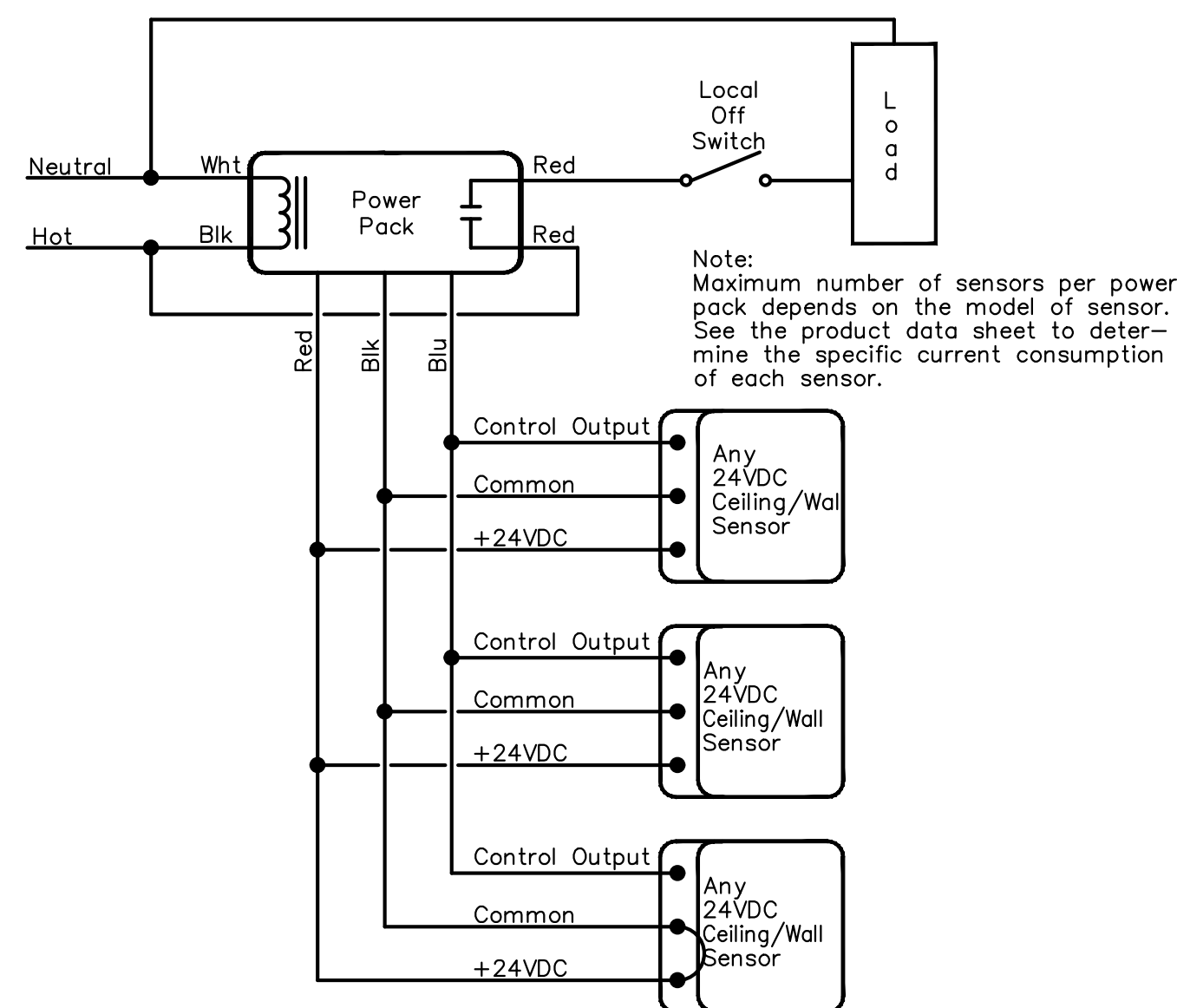
3 WALL BOX SENSOR WIRING DIAGRAM
SCALE: NONE



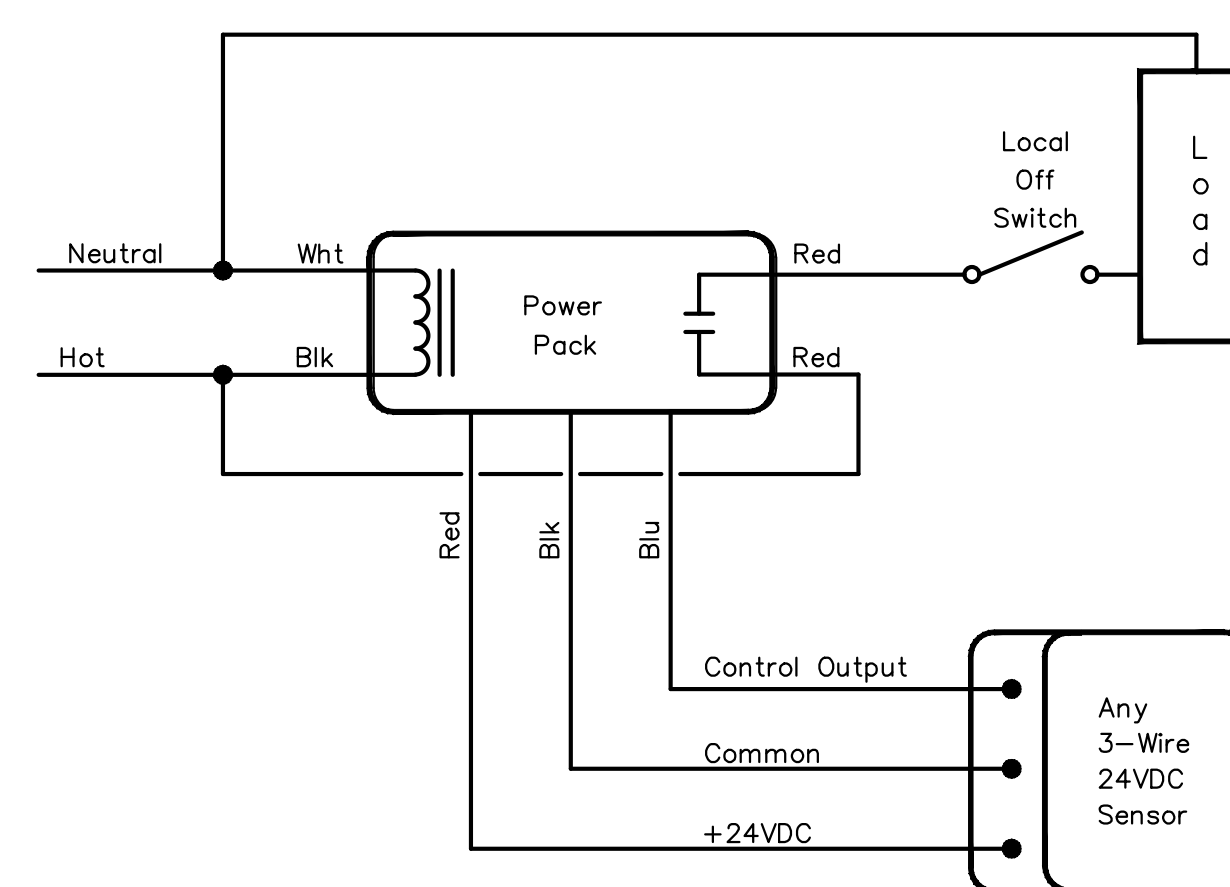
2 TWO CIRCUIT WIRING FOR SWITCHES DW-200 AND PW-200
SCALE: NONE



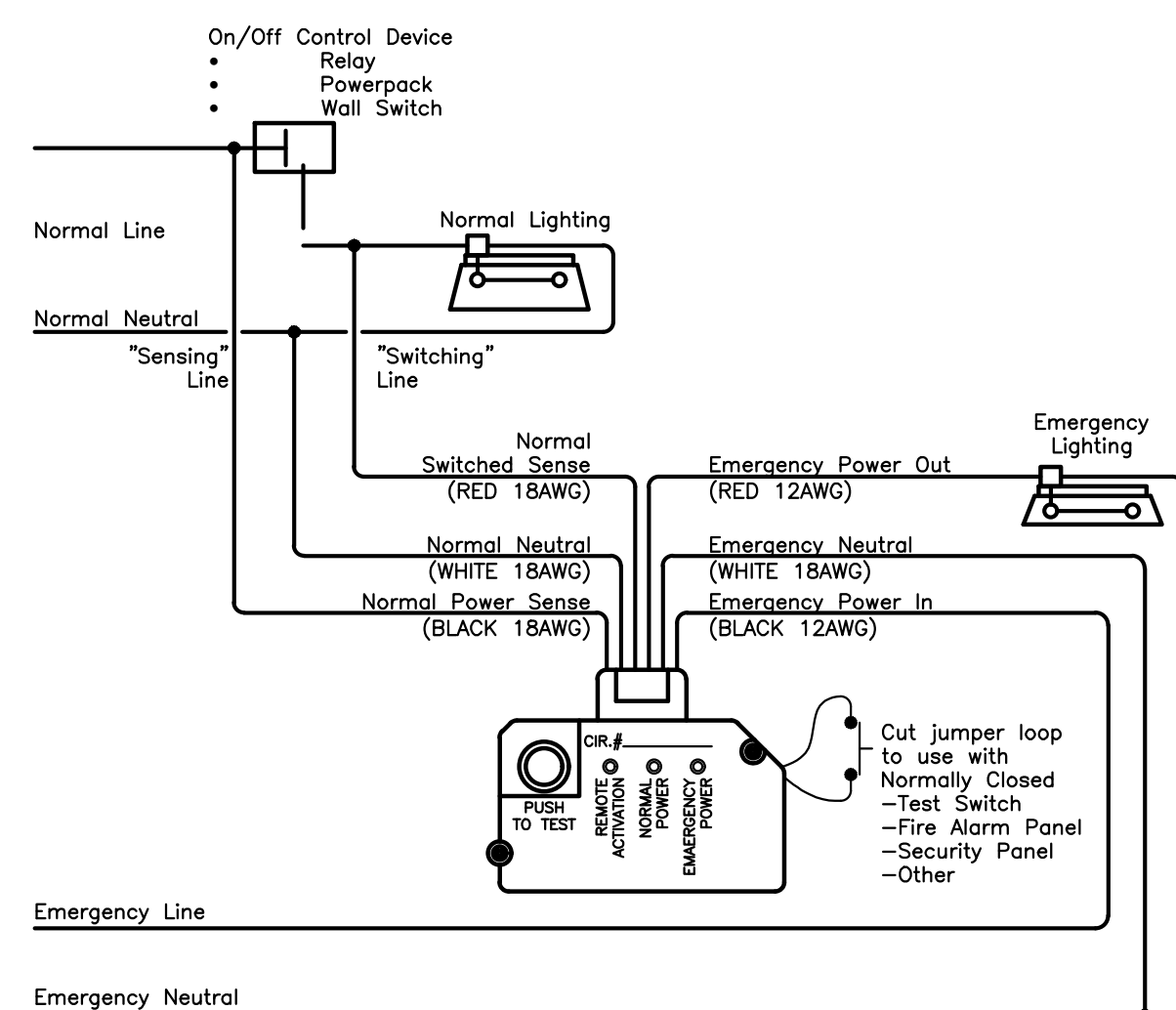
6 TELEPHONE AND DATA OUTLET
SCALE: NONE



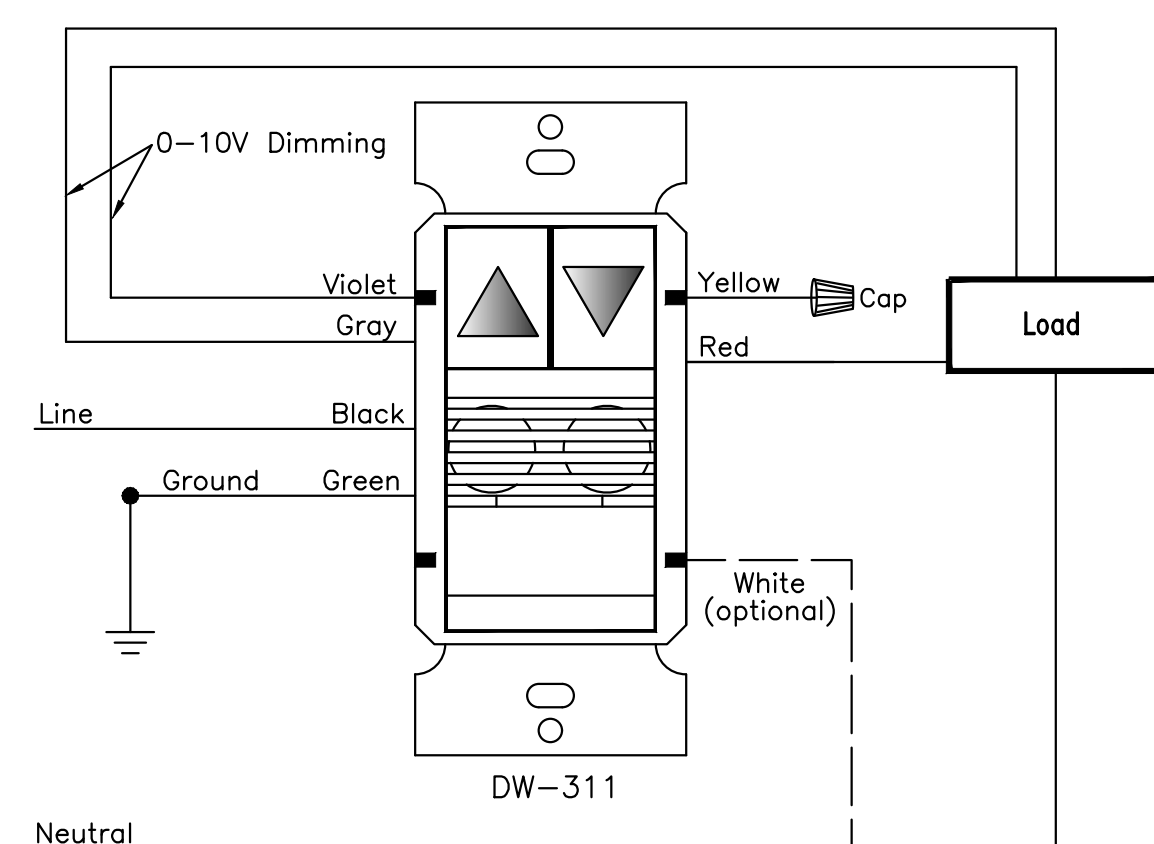
1 MULTIPLE OCCUPANCY SENSORS WITH ONE POWER PACK
SCALE: NONE



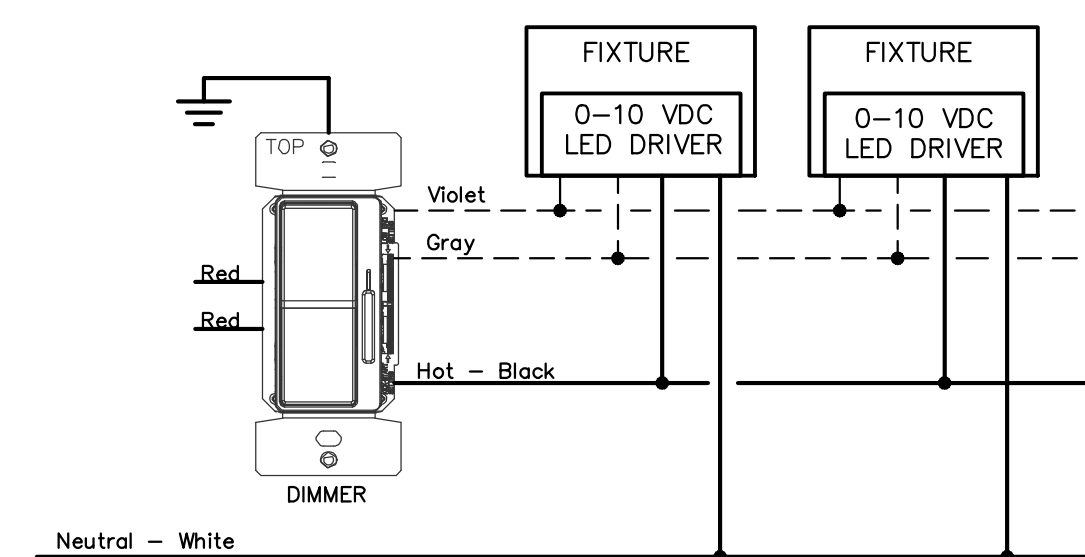
5 STANDARD 3-WIRE 24VDC SENSOR SCHEMATIC
SCALE: NONE



4 EMERGENCY LIGHTING CONTROL UNIT ELCU-200
SCALE: NONE



7 TYPICAL DW-311 WIRING
SCALE: NONE



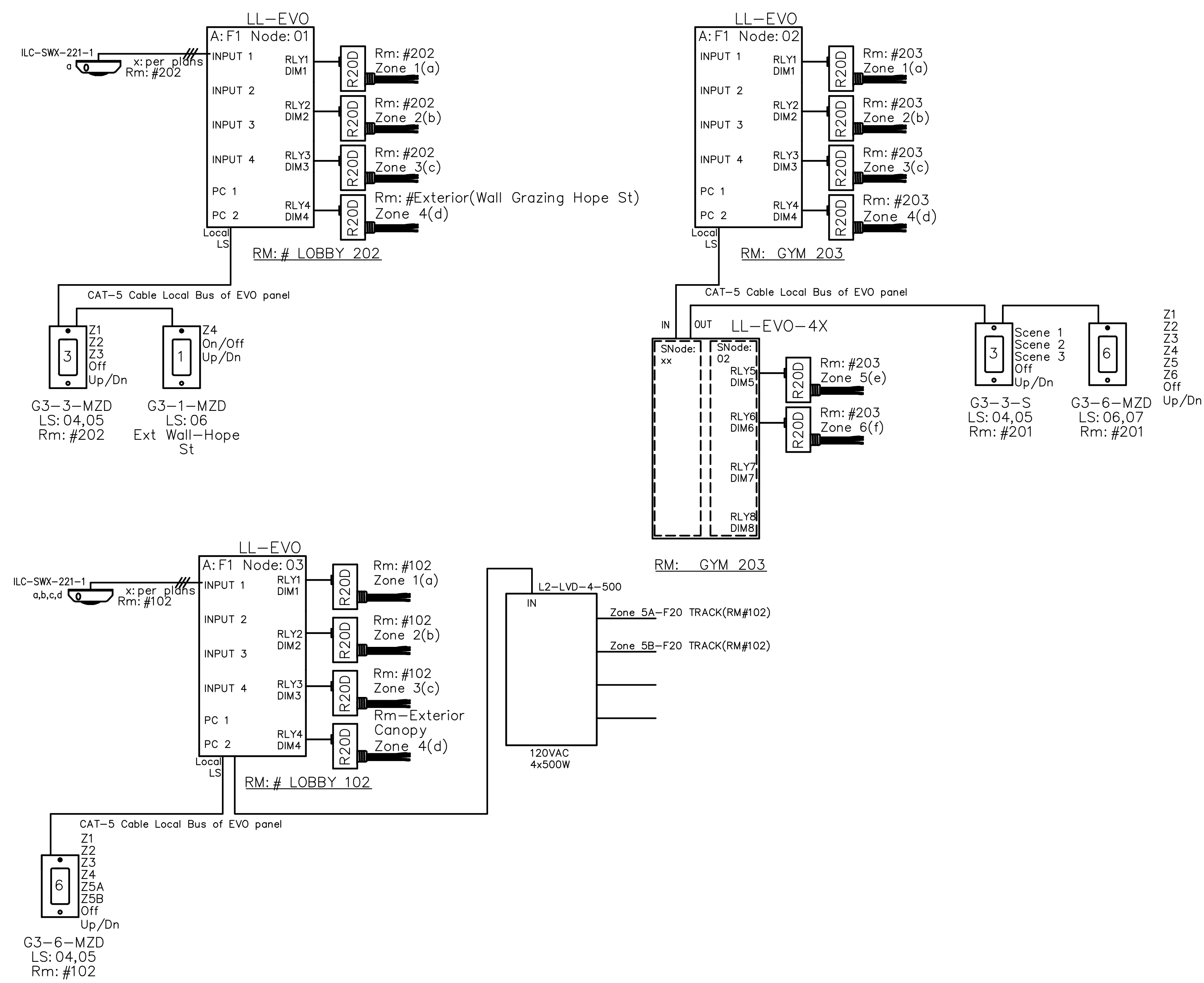
8 0-10V WALL BOX DIMMERS
SCALE: NONE

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1 DIMMING RISER DIAGRAM
SCALE: NONE

SHEET SIZE 24"x 36"
M:\3000 SERIES\3029\3029-ELEC\MCC3029-E2-02-ELEC DETAILS
5/25/2023 11:06 AM
sandy



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ELECTRICAL PANEL SCHEDULES

E3.01

PANEL NAME:		L2A		NUMBER OF PHASES:			3			PROJECT NAME: ST AUGUSTINE HS WELLNESS CENTER				
VOLTAGE:		208Y/120		NEUTRAL BUS?			Y			PROJECT NUMBER: 3029				
BUS SIZE (AMPS):		125		GROUND BARY?			Y			DATE: 5/25/2023				
MAIN CIRCUIT BREAKER SIZE:		MLO		MOUNTING:			SURFACE							
SHORT CIRCUIT CURRENT RATING (KAIC):		65		FEED-THRU LUGS?			N							
AVAILABLE SHORT CIRCUIT CURRENT (KAIC):		50.67		OTHER OPTIONS:			0							
												SECTION 2		
ITEM	AMP RATING	# POLES	#	LEFT LOADINGS	RIGHT LOADINGS	CTKT #	# POLES	AMP RATING	ITEM	AMP RATING	# POLES	#		
43	PROVISION	20	1	43				44	PROVISION	44	1	20		
45	PROVISION	20	1	45				46	PROVISION	46	1	20		
47	PROVISION	20	1	47				48	PROVISION	48	1	20		
49	PROVISION	20	1	49				50	PROVISION	50	1	20		
51	PROVISION	20	1	51				52	PROVISION	52	1	20		
53	PROVISION	20	1	53				54	PROVISION	54	1	20		
55	PROVISION	20	1	55				56	PROVISION	56	1	20		
57	PROVISION	20	1	57				58	PROVISION	58	1	20		
59	PROVISION	20	1	59				60	PROVISION	60	1	20		

PANEL NAME:		L2B		NUMBER OF PHASES:			3			PROJECT NAME: ST AUGUSTINE HS WELLNESS CENTER				
VOLTAGE:		208Y/120		NEUTRAL BUS?			Y			PROJECT NUMBER: 3029				
BUS SIZE (AMPS):		125		GROUND BARY?			Y			DATE: 5/25/2023				
MAIN CIRCUIT BREAKER SIZE:		MLO		MOUNTING:			SURFACE							
SHORT CIRCUIT CURRENT RATING (KAIC):		10		FEED-THRU LUGS?			N							
AVAILABLE SHORT CIRCUIT CURRENT (KAIC):		12.03		OTHER OPTIONS:			0							
												SECTION 1		
ITEM	AMP RATING	# POLES	#	LEFT LOADINGS	RIGHT LOADINGS	CTKT #	# POLES	AMP RATING	ITEM	AMP RATING	# POLES	#		
1	RECEPT(4)-2ND LOBBY	20	1	1	720			2	LTS 2ND LOBBY REFEREE RM	2	1	20		
3	WATER FOUNTAIN-2ND LOBBY	20(1)	1	3	400			4	LTS-MEZZ DONOR BOX, RESTRM	4	1	20		
5	RECEPT(3)-2ND REFEREE RM	20	1	5	540			6	LTS-EXTERIOR WALL GRAZER	6	1	20		
7	RECEPT(4)-2ND GYM	20	1	7	720			8	RECEPT(4)-MEZZ DONOR BOX	8	1	20		
9	RECEPT(4)-MEZZ DONOR BOX	20	1	9	720			10	SPARE	10	1	20		
11	EF-13 (1/4)	20	1	11				12	SPARE	12	1	20		
13	BACKBOARD WINCH GYM	20	1	13	1,556			14	SPARE	14	1	20		
15	BACKBOARD WINCH GYM	20	1	15	1,556			16	SPARE	16	1	20		
17	BACKBOARD WINCH GYM	20	1	17	1,556			18	SPARE	18	1	20		
19	ROOF RECEPT(3)	20	1	19	1,200			20	SPARE	20	1	20		
21	RECEPT IN ELEV EQUIP RM	20	1	21	180			22	PROVISION	22	1	20		
23	ELEVATOR GAS LIGHTS	20	1	23	100			24	PROVISION	24	1	20		
25	HVAC CONTROL POWER	20	1	25	100			26	PROVISION	26	1	20		
27	HAND DRYER RRM M09	20	1	27	1,500			28	PROVISION	28	1	20		
29	RECEPT(4)-MEZZ DONOR BOX, FAUCET CONTR	20	1	29	360			30	PROVISION	30	1	20		
31	PROVISION	20	1	31				32	PROVISION	32	1	20		
33	PROVISION	20	1	33				34	PROVISION	34	1	20		
35	PROVISION	20	1	35				36	PROVISION	36	1	20		
37	PROVISION	20	1	37				38	PROVISION	38	1	20		
39	PROVISION	20	1	39				40	PROVISION	40	1	20		
41	PROVISION	20	1	41				42	PROVISION	42	1	20		

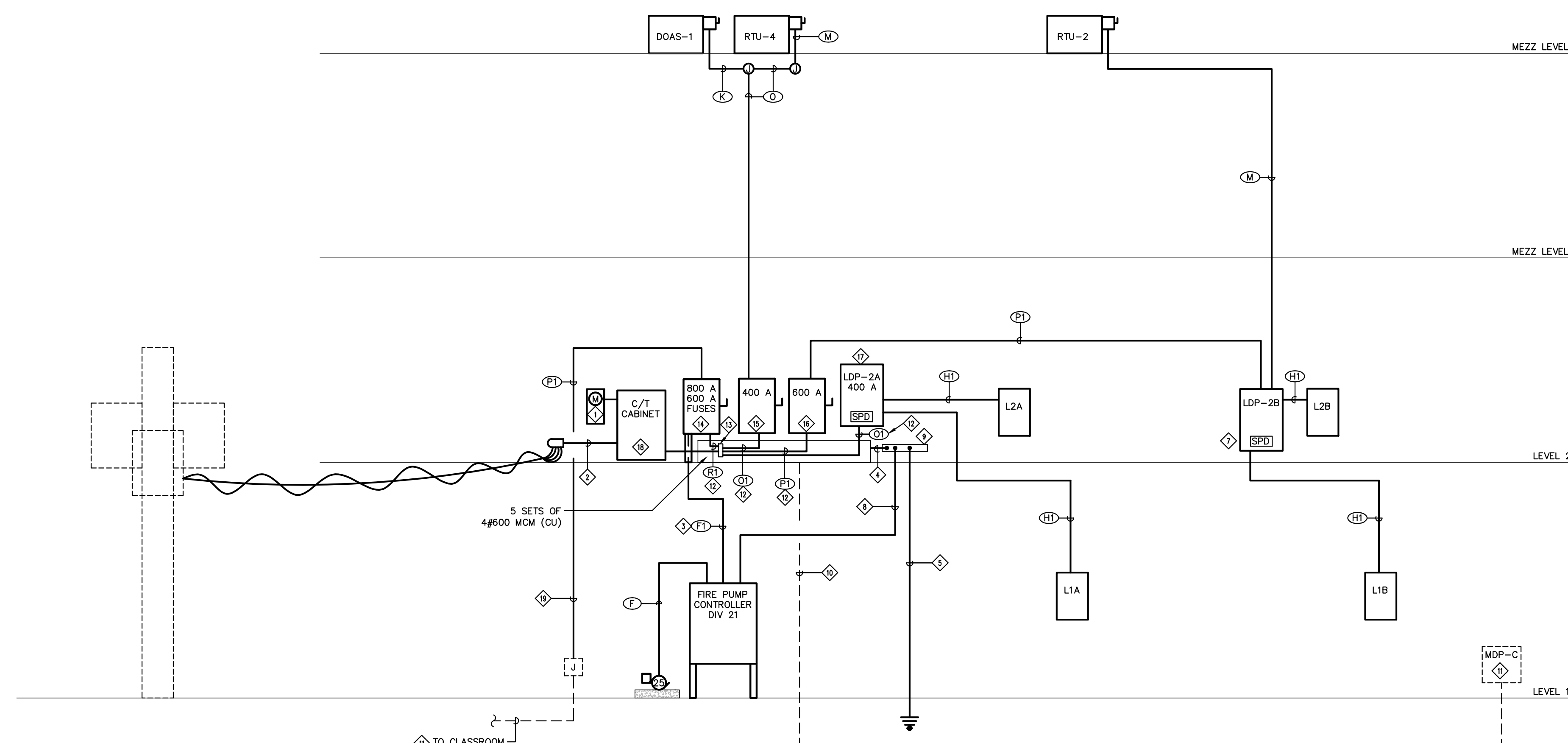
TOTAL CONNECTED LOAD (VA):	13355	1 LIGHTS	1580	1.00	0	0		1580	1.00	0	0	
PHASE A LOADING (VA):	4686	2 RECEPT <= 10KVA	4840	1.00	0	0		4840	1.00	0	0	
PHASE B LOADING (VA):	4836	RECEPT > 10KVA	0	0.50	0	0		0	0.50	0	0	
PHASE C LOADING (VA):	3823	3 A/C	0	1.00	0	0		0	1.00	0	0	
TOTAL CALCULATED LOAD (VA):	10616	4 AHU	0	1.00	0	0		0	1.00	0	0	
		5 EXHAUST FANS	667	1.00	0	667		667	1.00	0	667	
		6 PUMPS	0	1.00	0	0		0	1.00	0	0	
		7 MSC	628	0.50	314			628	0.50	314		
		8	0	1.00	0	0		0	1.00	0	0	
		9	0	1.00	0	0		0	1.00	0	0	
		10	0	1.00	0	0		0	1.00	0	0	

PANEL NAME:		L2A		NUMBER OF PHASES:			3			PROJECT NAME: ST AUGUSTINE HS WELLNESS CENTER				
VOLTAGE:		208Y/120		NEUTRAL BUS?			Y			PROJECT NUMBER: 3029				
BUS SIZE (AMPS):		125		GROUND BARY?			Y			DATE: 5/25/2023				
MAIN CIRCUIT BREAKER SIZE:		MLO		MOUNTING:			SURFACE							
SHORT CIRCUIT CURRENT RATING (KAIC):		65		FEED-THRU LUGS?			N							
AVAILABLE SHORT CIRCUIT CURRENT (KAIC):		32.11		OTHER OPTIONS:			0							
												SECTION 1		
ITEM	AMP RATING	# POLES	#	LEFT LOADINGS	RIGHT LOADINGS	CTKT #	# POLES	AMP RATING	ITEM	AMP RATING	# POLES	#		
1	LTS 2ND-BLEC LOCKER MULTI	20	1	1	750			2	R(6)-GYM 203, BLEC, VISITOR LOCKER	2	1	20		
3	LTS-MEZZ-OFFICE CORRDR	20	1	3	850			4	R(6)-GYM 203, STOR HOME LOCKER	4	1	20		
5	LTS-RRS 3.4	20	1	5	540			6	RECEPT(4)-MULTI PURPOSE RM 206	6	1	20		
7	LTS-GYM	20	1	7	1,000			8	RECEPT(4)-MULTI PURPOSE RM 206	8	1	20		
9	LTS-GYM	20	1	9	1,000			10	RECEPT(6)-ASST COACHS OFF-M11	10	1	20		
11	LTS-GYM	20	1	11	1,000			12	RECEPT(6)-HEAD ASST COACH OFF	12	1	20		
13	LTS-GYM	20	1	13	1,000			14	RECEPT(6)-FLEX SPACE M07	14	1	20		
15	LTS-GYM	20	1	15	1,000			16	RECEPT(6)-ATHLETIC DIRECTOR M06	16	1	20		
17	LTS-GYM	20	1	17	1,000			18	RECEPT(7)-CONFERENCE	18	1	20		
19	SPARE	20	1	19				20	RECEPT(4) CORR M04, BATH M08,M09	20	1	20		
21	FLOOR RECEPT(2)-GYM	20	1	21				22	BACKBOARD WINCH-GYM	22	1	20		
23	HAND DRYER HOME LOCKER 204A	20	1	23	360			24	BACKBOARD WINCH-GYM	24	1	20		
25	HAND DRYER HOME LOCKER 204A	20	1	25	1,200			26	BACKBOARD WINCH-GYM	26	1	20		
27	HAND DRYER UNISEX M08	20	1	27	1,200			28	ROOF RECEPT(4)	28	1	20		
29	HAND DRYER UNISEX M09	20	1	29	1,200			30	SCOREBOARD (4.8 AMPS)	30	1	20		
31	EF-7.8.9	20	1	31	175			32	SCOREBOARD (4.8 AMPS)	32	1	20		
33	HAND DRYER VISITORS RRR 207A	20	1	33	1,200			34	MOTORIZED BLEACHERS (1/2 HP) GYM 34	34	3	20		
35	SPARE	20	1	35				36	SPARE	36	1	20		
37	SPARE	20	1	37				38	SPARE	38	1	20		
39	SPARE	20	1	39				40	MOTORIZED BLEACHERS (1/2 HP) GYM 40	40	3	20		
41	SPARE	20	1	41				42	SPARE	42	1	20		

PANEL NAME:		L2B		NUMBER OF PHASES:			3			PROJECT NAME: ST AUGUSTINE HS WELLNESS CENTER				
VOLTAGE:		208Y/120		NEUTRAL BUS?			Y			PROJECT NUMBER: 3029				
BUS SIZE (AMPS):		125		GROUND BARY?			Y			DATE: 5/25/2023				
MAIN CIRCUIT BREAKER SIZE:		MLO		MOUNTING:			SURFACE							
SHORT CIRCUIT CURRENT RATING (KAIC):		22		FEED-THRU LUGS?			N							
AVAILABLE SHORT CIRCUIT CURRENT (KAIC):		13.95		OTHER OPTIONS:			0							
												SECTION 1		
ITEM	AMP RATING	# POLES	#	LEFT LOADINGS	RIGHT LOADINGS	CTKT #	# POLES	AMP RATING	ITEM	AMP RATING	# POLES	#		
1	RTU-1	45	3	1	4,104			2	HP-2	2	3	35		
3	RTU-3	50	3	3	4,836			4	HP-1	4	2	40		
5	RTU-5	45	3	5	4,104			6	HP-6	6	2	30		
7	RTU-7	50	3	7	4,836			8	HP-8	8	2	35		
9	PANEL L2B	125	3	9	3,539			10	HP-3	10	2	35		
11	PANEL L1B	125	3	11	7,994			12	CU-1	12	2	20		
13	SPARE	20	1	13	7,994			14	CU-1	14	2	20		
15	SPARE	20	1	15	7,994			16	CU-1	16	2	20		
17	SPARE	20	1	17	7,994			18	CU-1	18	2	20		
19	SPARE	20	1	19	7,994			20	CU-1	20	2	20		
21	SPARE	20	1	21	7,994			22	CU-1	22	2	20		
23	SPARE	20	1	23	7,994			24	CU-1	24	2	20		
25	SPARE	20	1	25	7,994			26	CU-1	26	2	20		
27	SPARE	20	1	27	7,994			28	CU-1	28	2	20		
29	SPARE	20	1	29	7,994			30	CU-1	30	2	20		
31	SPARE	20	1	31	7,994			32	CU-1	32	2	20		
33	SPARE	20	1	33	7,994			34	CU-1	34	2	20		
35	SPARE	20	1	35	7,994			36	CU-1	36	2	20		
37	SPARE	20	1	37	7,994			38	CU-1	38	2	20		
39	SPARE	20	1	39	7,994			40	CU-1	40	2	20		
41	SPARE	20	1	41	7,994			42	CU-1	42	2	20		

TOTAL CONNECTED LOAD (VA):	189743	1 LIGHTS	0	1.00	0	0		0	1.00	0	0	

FEEDER SCHEDULE (TYPICAL SCHEDULE - NOT ALL LABELS ARE NECESSARILY USED)					FEEDER SCHEDULE (TYPICAL SCHEDULE - NOT ALL LABELS ARE NECESSARILY USED)				
LABEL	NO.	PHASE & NEUTRAL COPPER CONDUCTORS	GND.	CONDUIT	NO.	PHASE & NEUTRAL ALUMINUM CONDUCTORS	GND.	CONDUIT	
A	3	#12	#12	1/2"					
AI	4	#12	#12	1/2"					
B	3	#10	#10	3/4"					
BI	4	#10	#10	3/4"					
C	3	#8	#10	1"					
CI	4	#8	#10	1"					
D	3	#6	#8	1"					
DI	4	#6	#8	1"					
E	3	#4	#8	1-1/4"					
EI	4	#4	#8	1-1/4"					
F	3	#3	#8	1-1/4"					
FI	4	#3	#8	1-1/4"					
G	3	#2	#6	1-1/4"					
GI	4	#2	#6	1-1/4"					
H	3	#1	#6	1-1/2"					
HI	4	#1	#6	1-1/2"					
I	3	#1/0	#6	1-1/2"	3	#3/0 (AL)	#6 (C.U.)	2"C	
II	4	#1/0	#6	1-1/2"	4	#3/0 (AL)	#6 (C.U.)	2"C	
J	3	#2/0	#6	2"	3	#4/0 (AL)	#6 (C.U.)	2"C	
JI	4	#2/0	#6	2"	4	#4/0 (AL)	#6 (C.U.)	2 1/2"C	
K	3	#3/0	#6	2"	3	#250 MCM (AL)	#6 (C.U.)	2 1/2"C	
KI	4	#3/0	#6	2"	4	#250 MCM (AL)	#6 (C.U.)	2 1/2"C	
L	3	#4/0	#4	2"	3	#300 MCM (AL)	#4 (C.U.)	3"	
LI	4	#4/0	#4	2-1/2"	4	#300 MCM (AL)	#4 (C.U.)	3"	
M	3	#250 MCM	#4	2-1/2"	3	#350 MCM (AL)	#4 (C.U.)	3"	
MI	4	#250 MCM	#4	2-1/2"	4	#350 MCM (AL)	#4 (C.U.)	3"	
N	3	#350 MCM	#3	3"	3	#500 MCM (AL)	#3 (C.U.)	3 1/2"	
NI	4	#350 MCM	#3	3"	4	#500 MCM (AL)	#3 (C.U.)	3 1/2"	
O	3	#600 MCM	#3	4"	(2)3	(2) 250 MCM (AL)	#3 (C.U.)	2 1/2" (2 SETS)	
OI	4	#600 MCM	#3	4"	(2)4	(2) 250 MCM (AL)	#3 (C.U.)	2 1/2" (2 SETS)	
P	(2)3	#350 MCM	#1	3"(2 SETS)	(2)3	(2) 500 MCM (AL)	#1 (C.U.)	4" (2 SETS)	
PI	(2)4	#350 MCM	#1	3"(2 SETS)	(2)4	(2) 500 MCM (AL)	#1 (C.U.)	4" (2 SETS)	
R	(2)3	#600 MCM	#1/0	4"(2 SETS)	(3)3	(3) 400 MCM (AL)	#1/0 (C.U.)	3 1/2" (3 SETS)	
RI	(2)4	#600 MCM	#1/0	4"(2 SETS)	(3)4	(3) 400 MCM (AL)	#1/0 (C.U.)	3 1/2" (3 SETS)	
S	(4)3	#250 MCM	#2/0	3"(4 SETS)	(4)3	350 MCM (AL)	#4/0 (A.L.)	3" (4 SETS)	
SI	(4)4	#250 MCM	#2/0	3"(4 SETS)	(4)4	350 MCM (AL)	#4/0 (A.L.)	3" (4 SETS)	
T	(3)3	#600 MCM	#3/0	4"(3 SETS)	(4)3	500 MCM (AL)	250 MCM (A.L.)	4" (4 SETS)	
TI	(3)4	#600 MCM	#3/0	4"(3 SETS)	(4)4	500 MCM (AL)	250 MCM (A.L.)	4" (4 SETS)	
XX	SEE DRY TRANSFORMER SCHEDULE				SEE DRY TRANSFORMER SCHEDULE				
U	(4)4	600 MCM	#4/0	3 1/2"(4 SETS)	(4)4	#900 MCM (AL)	300 MCM (A.L.)	5"(4 SETS)	
UI	(5)4	600 MCM	250 MCM	4"(5 SETS)	(5)4	#950 MCM (AL)	350 MCM (A.L.)	5"(5 SETS)	
Z	(4)4	#600 MCM	#3/0	4"(4 SETS)	(5)4	600 MCM (AL)	250 MCM (A.L.)	4" (5 SETS)	



1 ELECTRICAL RISER DIAGRAM
SCALE: N.T.S.

SPECIFIC NOTES

- PROVIDE NEW 208/120 VOLT, THREE PHASE, 4 WIRE METER PAN FOR BUILDING. COORDINATE WITH ENTRY TO PROVIDE METER FOR BUILDING.
- ROUTE 5 SETS OF 4#600 MCM IN 4" CONDUIT FROM SWITCHBOARD THRU EXTERIOR WALL AND THEN UP EXTERIOR WALL SO THAT OVERHEAD CONDUCTORS MAINTAIN THE PROPER HIGH CLEARANCES. PROVIDE WEATHERHEAD AND EXTEND CONDUCTOR THRU WEATHERHEAD TO A LENGTH ACCEPTABLE BY ENTRY IN ORDER TO CONNECT TO OVERHEAD SERVICE CONDUCTORS BY ENTRY.
- PROVIDE A FIRE PUMP TAP SECTION AHEAD OF MAIN SWITCHBOARD TO SERVICE ENTRANCE GROUND BUS.
- USING A 3/0 (CU) BOND GROUND AND NEUTRAL OF MAIN SWITCHBOARD TO SERVICE ENTRANCE GROUND BUS.
- USING A 3/0 (CU) BOND GROUND SERVICE ENTRANCE GROUND BUS TO 5/8" X 10' LONG GROUND ROD, COLD WATER PIPE AND BUILDING STEEL. ROUTE GROUND CONDUCTOR IN 1" PVC CONDUIT FOR PROTECTION.
- PROVIDE INTEGRAL SURGE PROTECTIVE DEVICE (SPD) INSIDE SWITCHBOARD. SPD SHALL HAVE SURGE CURRENT RATING OF 240 KA PER PHASE AND HAVE INTERRUPT RATING OF 200 KAIR. THE SPD SHALL BE MODULAR IN DESIGN, AND BE MOUNTED ON THE LINE SIDE OF THE EQUIPMENT. IT SHALL HAVE AN AUDIBLE ALARM (AND SILENCE SWITCH) THAT IS ACTIVATED ON FAILURE OF A MODULE. IT SHALL ALSO COME WITH A NO/NC CONTACT TO INDICATE THE FAILURE OF A MODULE. FINALLY, THE SPD SHALL COME WITH A TEN-YEAR WARRANTY.
- PROVIDE INTEGRAL SURGE PROTECTIVE DEVICE (SPD) INSIDE PANELBOARD. SPD SHALL HAVE SURGE CURRENT RATING OF 120 KA PER PHASE AND HAVE INTERRUPT RATING OF 200 KAIR. THE SPD SHALL BE MODULAR IN DESIGN, AND BE MOUNTED ON THE LINE SIDE OF THE EQUIPMENT. IT SHALL HAVE AN AUDIBLE ALARM (AND SILENCE SWITCH) THAT IS ACTIVATED ON FAILURE OF A MODULE. IT SHALL ALSO COME WITH A NO/NC CONTACT TO INDICATE THE FAILURE OF A MODULE. FINALLY, THE SPD SHALL COME WITH A TEN-YEAR WARRANTY.
- USING A #6 GROUND CONDUCTOR BOND NEUTRAL AND GROUND IN FIRE PUMP SERVICE ENTRANCE RATED CONTROLLER.
- PROVIDE GROUNDING BUS. SEE DETAIL ON SHEET E2.01
- CAPTURE EXISTING FEEDER ROUTED TO CLASSROOM BUILDING AND SPLICE AND EXTEND TO NEW MDP-G. THIS WORK WILL NEED TO BE DONE WHEN SCHOOL IS NOT IN SESSION. COORDINATE WITH OWNER WHEN OUTAGE TO EXISTING CLASSROOM CAN OCCUR.
- PROVIDE A PLAQUE AT THE DISTRIBUTION PANEL IN CLASSROOM BUILDING WHICH IDENTIFIES THE SOURCE AS THE MDP-G LOCATED ON 2ND FLOOR OF GYM.



SHEET SIZE 24" x 36"
M:\3000 SERIES\3029-029-ELEC\MCO3029-E4-01-ELEC ONE-LINE DIAGRAM
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standy

ST. AUGUSTINE HS
WELLNESS CENTER
RENOVATION
2600 A.P. TUREAUD AVE
NEW ORLEANS, LA 70119

OWNER
ST. AUGUSTINE HS
2600 AP Tureaud Avenue
New Orleans, LA 70119
504-949-3113

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LANDSCAPE ARCHITECT
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1824 Sophie Wright Place
New Orleans, LA 70130
(504) 218-8991

CONTRACTOR
Woodward Design + Build
1000 South Norman C. Francis Parkway
New Orleans, LA 70125
(504)



05/26/2023

REVISION #	DESCRIPTION	DATE

© TRAPOLIN PEER ARCHITECTS, APC
PROJECT NUMBER
CN21101-02
ISSUE DATE
05/26/23

MATERIALS
PLAN

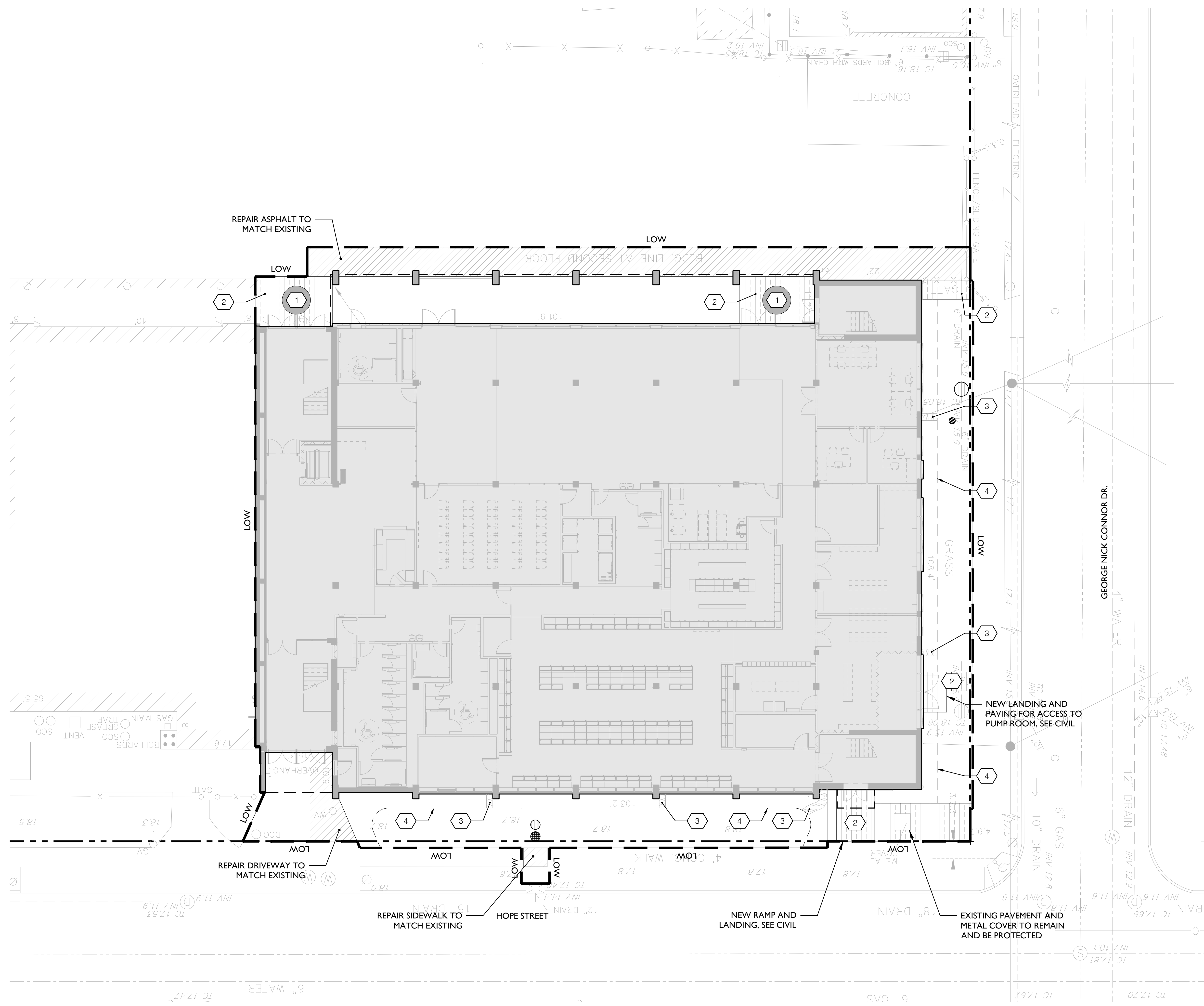
L2.01

LEGEND

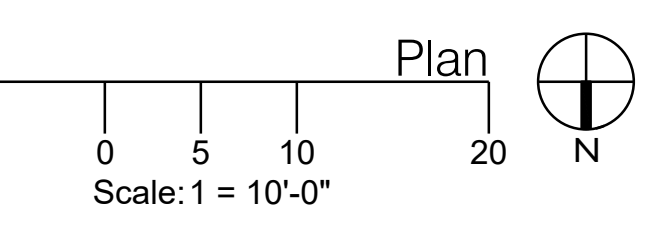
- PROPERTY LINE
- LIMIT OF WORK
- EXISTING CATCH BASINS
- EXISTING DRAIN INLETS
- EXISTING DRAIN STRUCTURES
- REPAIR AND MATCH EXISTING PAVEMENT
- SCHOOL EMBLEM WITH COLORED CONCRETE PAVERS, SEE 4/L9.00
- CONCRETE WALK, SEE 1/L9.00
- TWO LAYERS OF ROUND RIVER ROCK (329300)
- LANDSCAPE EDGING (329300)

NOTES

1. MAINTAIN MAX 5% SLOPE AND 2% CROSS SLOPE ACROSS ALL SIDEWALKS AND PLAZAS.
2. IN ORDER TO ENCOURAGE INFILTRATION OF STORMWATER AND TO MINIMIZE THE MITIGATION OF SEDIMENTS, THE FINISHED GRADE FOR ALL LANDSCAPED AREAS SHALL BE SET 3" MINIMUM BELOW SURROUNDING HARDSCAPE CONTAINMENTS (CURBING, SIDEWALKS, FOUNDATIONS, ETC.) THIS STANDARD MAY BE WAIVED IF NECESSARY TO PROMOTE THE PRESERVATION OF TREES SHOWN AS SUCH.



1 MATERIALS PLAN
Scale: 1 = 10'-0"



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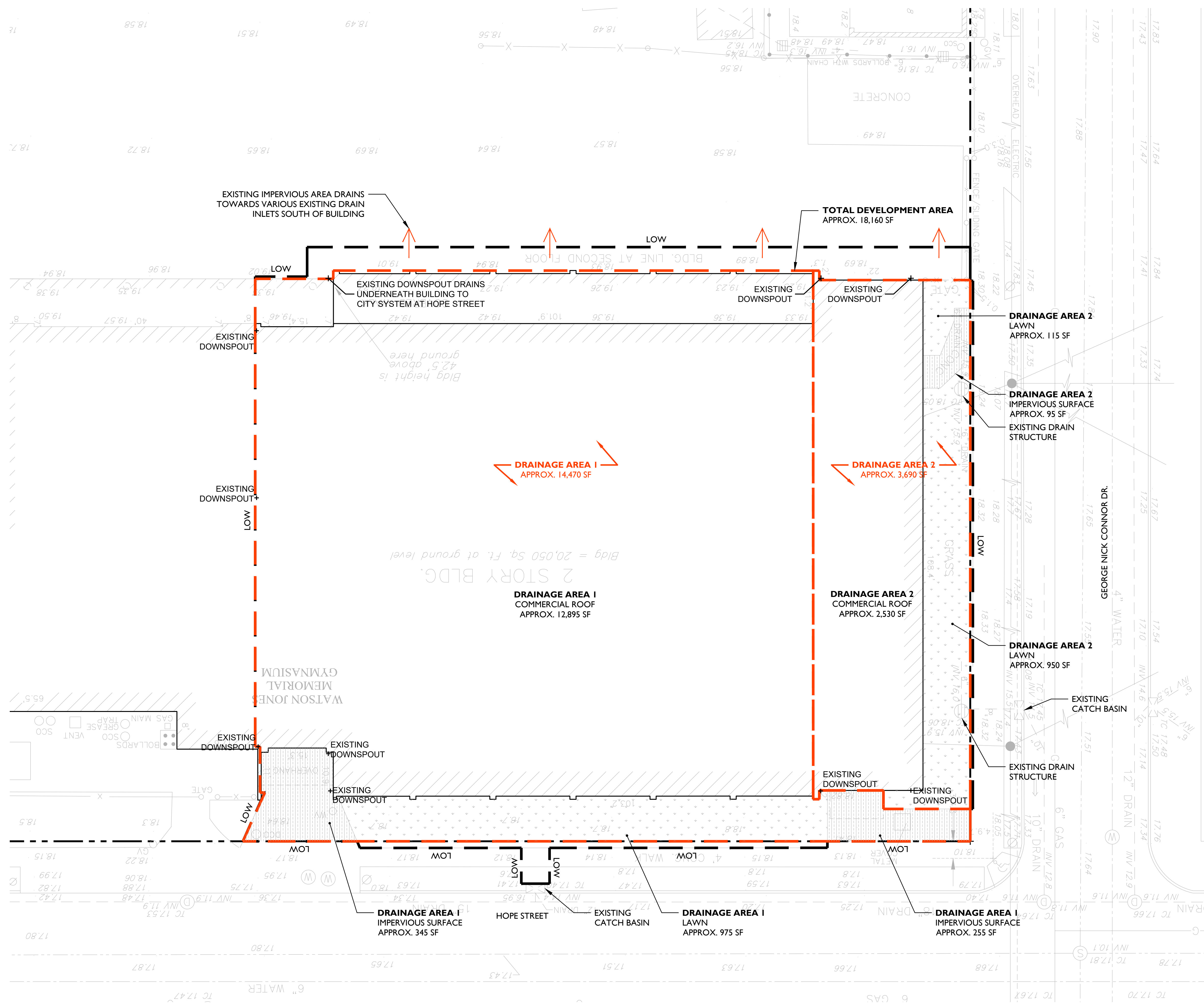
REVISION #	DESCRIPTION	DATE

LEGEND

- PROPERTY LINE
- LIMIT OF WORK
- EXISTING CATCH BASINS
- EXISTING DRAIN INLETS
- EXISTING DRAIN STRUCTURES
- EXISTING ELEVATIONS
- DRAINAGE AREA
- SURFACE FLOW DIRECTION
- DRAINAGE AREA 1**
- IMPERVIOUS SURFACE (APPROX. 600 SF)
- LAWN (APPROX. 975 SF)
- COMMERCIAL ROOF (APPROX. 12,895 SF)
- DRAINAGE AREA 2**
- IMPERVIOUS SURFACE (APPROX. 95 SF)
- LAWN (APPROX. 1,065 SF)
- COMMERCIAL ROOF (APPROX. 2,530 SF)

NOTES

1. FOR STORMWATER CALCULATIONS, SEE CITY STANDARD NOLA-GI-TOOLKIT STORMWATER CALCULATOR.
2. TOTAL PRE-DEVELOPMENT PEAK RUNOFF RATE DURING A 10-YR STORM EVENT = 3.19 CFS
3. TOTAL PRE-DEVELOPMENT PEAK RUNOFF RATE DURING A 100-YR STORM EVENT = 4.61 CFS
4. DRAINAGE AREA 1 CURRENTLY DRAINS OUT INTO CITY SYSTEM AT AN EXISTING CATCH BASIN ON HOPE ST, WHILE DRAINAGE AREA 2 CURRENTLY DRAINS INTO THE CITY SYSTEM AT AN EXISTING CATCH BASIN ON GEORGE NICK CONNOR DR.



1 DIAGRAM OF EXISTING DRAINAGE AREA
Scale: 1" = 10'-0"

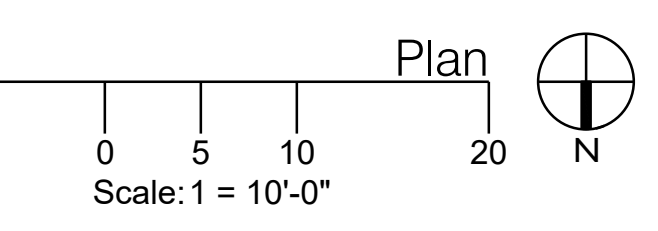


DIAGRAM OF EXISTING DRAINAGE AREA

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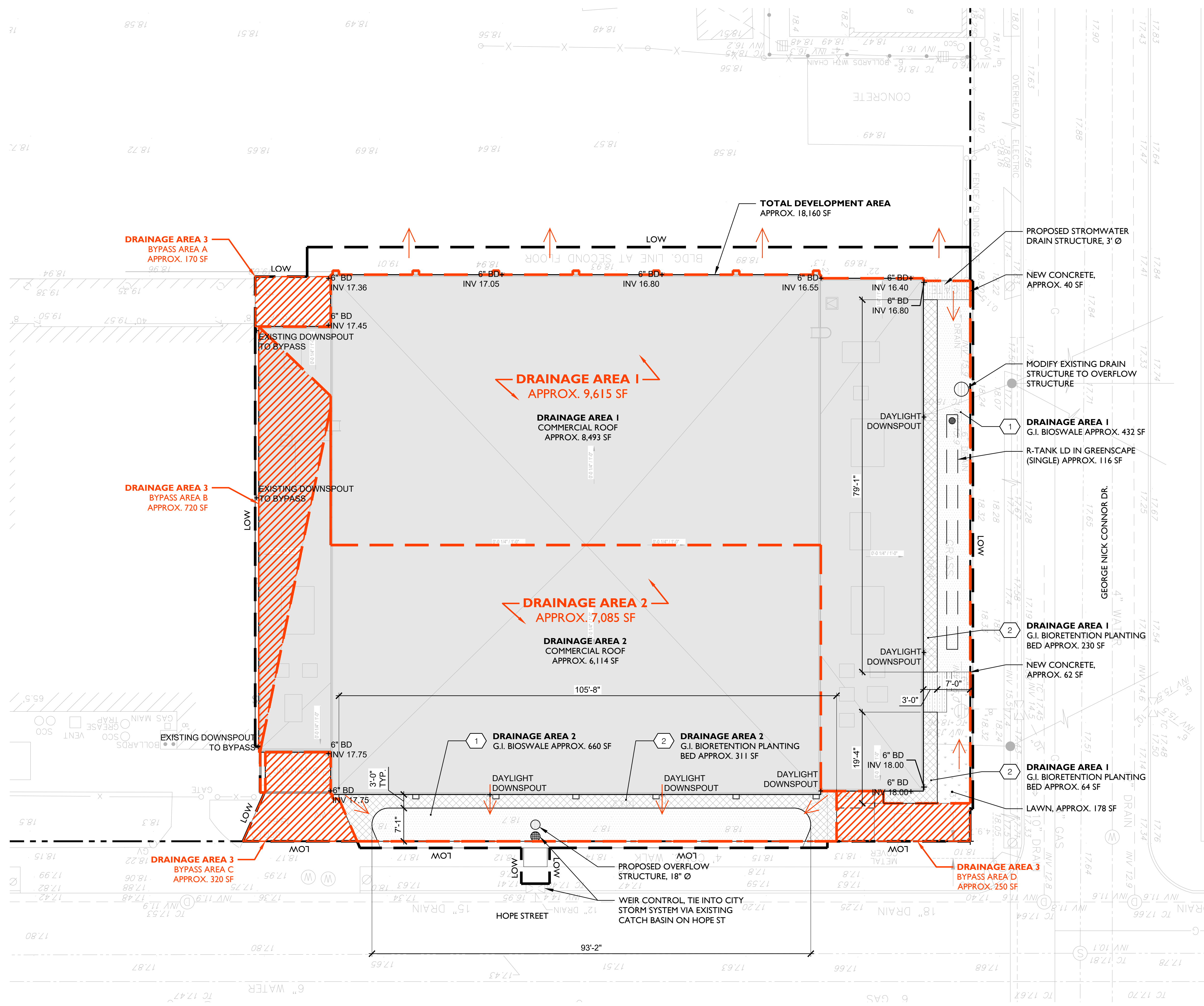
REVISION # DESCRIPTION DATE

LEGEND

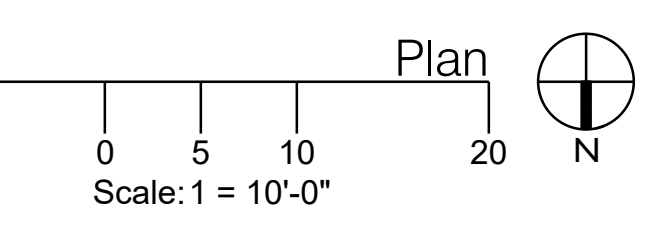
- PROPERTY LINE
- LOW LIMIT OF WORK
- ⊗ EXISTING CATCH BASINS
- ⊙ EXISTING DRAIN INLETS
- ⊕ EXISTING DRAIN STRUCTURES
- 18.69 EXISTING ELEVATIONS
- [x] DRAINAGE AREA
- SURFACE FLOW DIRECTION
- BD BOOTED DOWNSPOUT, SEE 2/L9.00
- DRAINAGE AREA 1
- IMPERVIOUS SURFACE (APPROX. 102 SF)
- LAWN (APPROX. 178 SF)
- 1 GREEN INFRASTRUCTURE, BIOSWALE (APPROX. 432 SF)
- 2 GREEN INFRASTRUCTURE, BIORETENTION PLANTING BED (APPROX. 294 SF)
- R-TANK LD IN GREENSPACE, SINGLE (APPROX. 116 SF)
- DRAINAGE AREA 2
- 1 GREEN INFRASTRUCTURE, BIOSWALE (APPROX. 660 SF)
- 2 GREEN INFRASTRUCTURE, BIORETENTION PLANTING BED (APPROX. 311 SF)
- DRAINAGE AREA 3
- BYPASS AREA (APPROX. 1,460 SF)

NOTES

1. FOR STORMWATER CALCULATIONS, SEE CITY STANDARD NOLA-GI-TOOLKIT STORMWATER CALCULATOR.
2. TOTAL DEVELOPMENT AREA = APPROX. 18,160 SF.
 - 2.1. ALLOWABLE 10% BYPASS AREA = APPROX. 1,816 SF
 - 2.2. TOTAL BYPASS AREA PROPOSED = APPROX. 1,460 SF (8.0%)
3. DRAINAGE AREA 1 = APPROX. 9,615 SF
 - 3.1. TOTAL STORAGE REQUIRED = 785 CF
 - 3.2. TOTAL STORAGE PROVIDED = 853 CF
 - 3.3. TOTAL AREA OF PROPOSED GREEN INFRASTRUCTURE = APPROX. 842 SF
 - 3.4. DRAINAGE AREA 1 SHALL CONNECT TO CITY DRAIN LINE AT EXISTING DRAINAGE STRUCTURE ON SITE.
4. DRAINAGE AREA 2 = APPROX. 7,085 SF
 - 4.1. TOTAL STORAGE REQUIRED = 611 CF
 - 4.2. TOTAL STORAGE PROVIDED = 924 CF
 - 4.3. TOTAL AREA OF PROPOSED GREEN INFRASTRUCTURE = APPROX. 971 SF
 - 4.4. DRAINAGE AREA 2 SHALL CONNECT TO CITY DRAIN LINE AT EXISTING CATCH BASIN ON HOPE ST.
5. DRAINAGE AREA 3 (BYPASS AREAS) = APPROX. 1,460 SF
6. TOTAL POST-DEVELOPMENT PEAK RUNOFF RATE DURING A 10-YR STORM EVENT = 3.09 CFS
7. TOTAL POST-DEVELOPMENT PEAK RUNOFF RATE DURING A 100-YR STORM EVENT = 4.45



1 PROPOSED STORMWATER MANAGEMENT PLAN
Scale: 1 = 10'-0"



PROPOSED STORMWATER MANAGEMENT PLAN

ST. AUGUSTINE HS WELLNESS CENTER RENOVATION
2600 A.P. TUREAUD AVE
NEW ORLEANS, LA 70119

OWNER: ST. AUGUSTINE HS
2600 AP Tureaud Avenue
New Orleans, LA 70119
504-949-3113

ARCHITECT: TRAPOLIN-PEER
850 TCHOUPITOULAS ST.
NEW ORLEANS, LA 70130
(504) 523-2772
www.trapolinpeer.com

LANDSCAPE ARCHITECT: SPACKMAN MOSSOP MICHAELS
1824 Sophie Wright Place
New Orleans, LA 70130
(504) 218-8991

CONTRACTOR: Woodward Design + Build
1000 South Norman C. Francis Parkway
New Orleans, LA 70125
(504)



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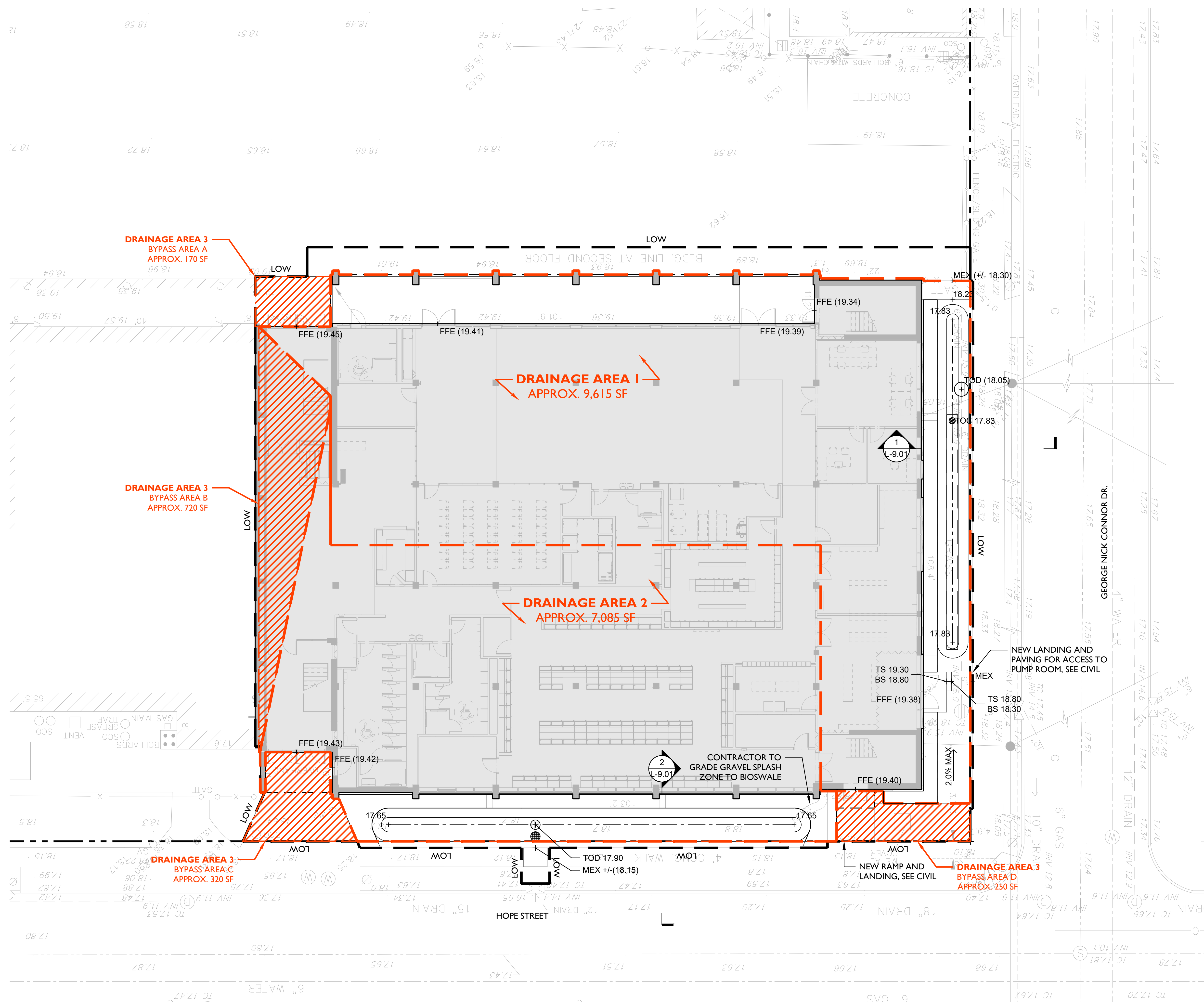
GRADING PLAN

LEGEND

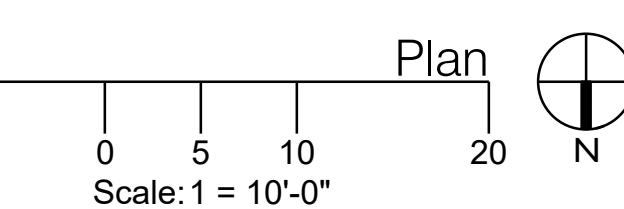
- PROPERTY LINE
- LOW LIMIT OF WORK
- ⊗ EXISTING CATCH BASINS
- ⊕ EXISTING DRAIN INLETS
- ⊙ EXISTING DRAIN STRUCTURES
- 18.69 EXISTING ELEVATIONS
- SWALE CENTERLINE
- MEX MATCH EXISTING
- FFE FINISHED FLOOR ELEVATION
- TS TOP OF STEPS
- BS BOTTOM OF STEPS
- LP TOP OF RAMP
- HP HIGH POINT
- TOC TOP OF COVER
- TOD TOP OF DRAIN
- HP HIGH POINT
- LP LOW POINT
- + (0.00) EXISTING ELEVATION
- + 0.00 PROPOSED ELEVATION
- 0.0% PROPOSED SLOPE
- [x] PROPOSED DRAINAGE AREA
- [Hatched] BYPASS AREA (APPROX. 1,460 SF)

NOTES

- SEE L3.20 FOR DRAINAGE PLAN AND DRAIN AND INVERT ELEVATIONS. THE CONTRACTOR SHALL FIELD VERIFY GRADES AND NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES FOR RESOLUTION PRIOR TO STARTING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL NOT PROCEED UNDER UNCERTAINTY AND SHALL ASSUME FULL RESPONSIBILITY OF ALL COSTS FOR REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATIONS.
- IN ORDER TO ENCOURAGE INFILTRATION OF STORMWATER AND TO MINIMIZE THE MIGRATION OF SEDIMENTS, THE FINISHED GRADE FOR ALL LANDSCAPED AREAS WITHIN THE PROJECT PROPERTY LINES SHALL BE SET 3" BELOW SURROUNDING HARDSCAPE CONTAINMENTS (CURBING, SIDEWALKS, FOUNDATIONS ETC.)
- ALL SWALES SHALL HAVE A SIDE SLOPE OF 1:4 MAX.
- PATHS LONGITUDINAL SLOPE NOT TO EXCEED 4.8% VALUES OTHERWISE NOTED ON PLANS.
- PATHS CROSS SLOPE NOT TO EXCEED 1.8% VALUES OTHERWISE NOTED ON PLANS.
- CONTRACTOR SHALL LAYOUT AND DETERMINE THE ELEVATIONS OF ALL SITE ELEMENTS FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES IN WRITING TO THE CONSTRUCTION MANAGER. THE CONTRACTOR SHALL PROVIDE ELEVATIONS SIMULTANEOUSLY WITH LAYOUT.



1 GRADING PLAN
Scale: 1 = 10'-0"



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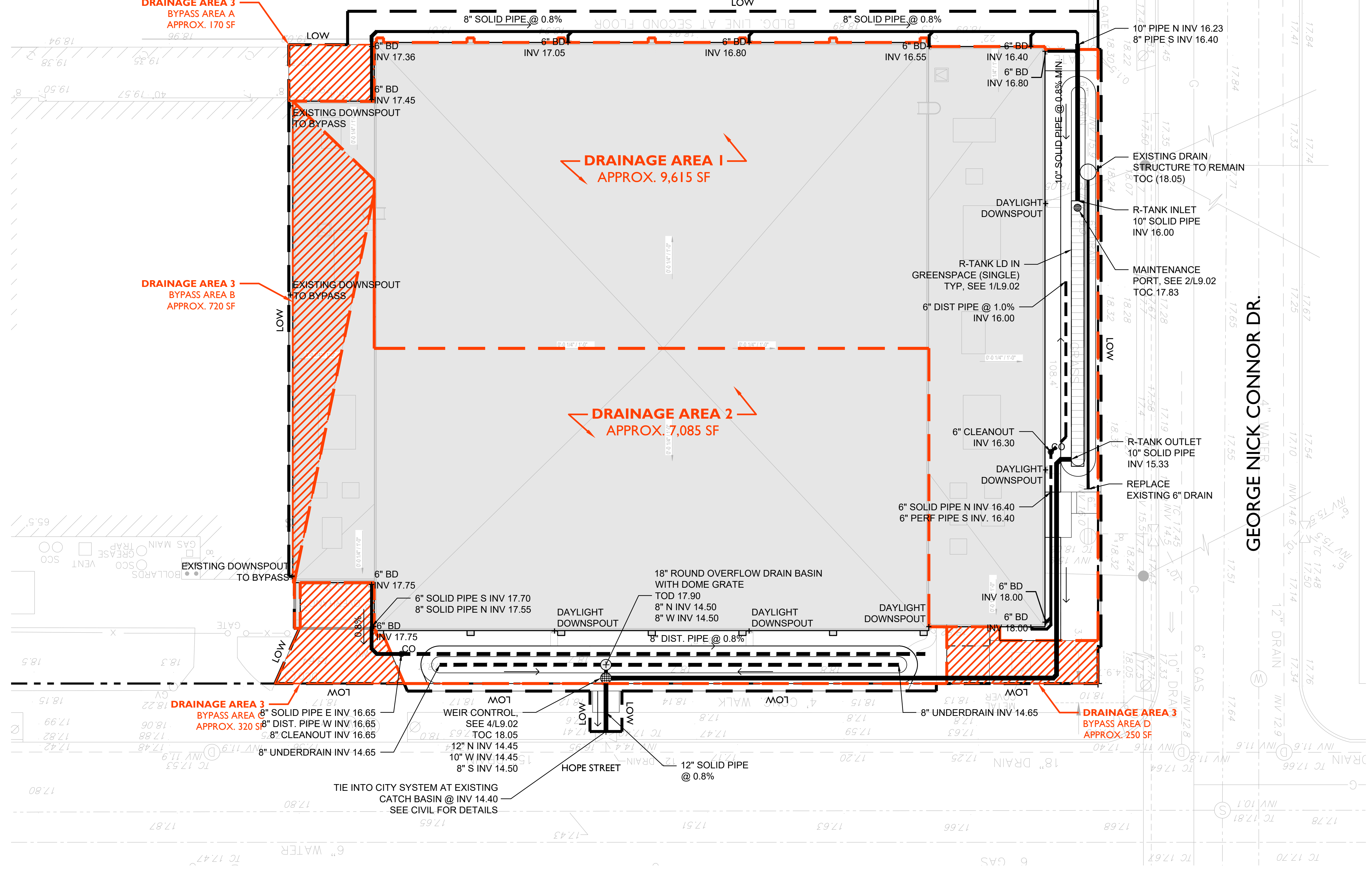
DRAINAGE PLAN

LEGEND	
	PROPERTY LINE
	LIMIT OF WORK
	EXISTING CATCH BASINS
	EXISTING DRAIN INLETS
	EXISTING DRAIN STRUCTURES
	EXISTING ELEVATIONS
	SOLID PIPE (334100), SIZE VARIES SEE PLAN
	PERFORATED PIPE (334100), SIZE VARIES, SEE 3/L9.00
	PIPE FLOW DIRECTION
	18" ROUND OVERFLOW DRAIN BASIN WITH DOMED GRATE (334100)
	MAINTENANCE PORT (331600), SEE 2/L9.02
	WEIR CONTROL, SEE 4/L9.02
	DRAIN CLEANOUT W/ LID (334100)
	BOOTED DOWNSPOUT, SEE 2/L9.00
	TOP OF DRAIN
	TOP OF COVER
	MATCH EXISTING
	DISTRIBUTION PIPE, SEE NOTE 7
	PROPOSED DRAINAGE AREA
	BYPASS AREA (APPROX. 1,460 SF)

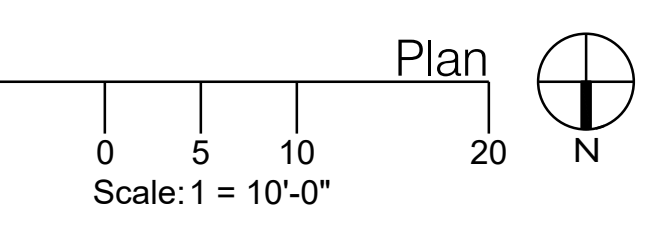
- NOTES
- ALL BOOTED DOWNSPOUTS SHALL HAVE A DOWNSPOUT LEAF CATCHER WHICH SHALL ACT AS AN EMERGENCY OVERFLOW. SEE 3/L9.00.
 - CONTRACTOR SHALL VERIFY INVERT OF EXISTING CITY DRAINLINE AT PROPOSED TIE-IN LOCATION(S) PRIOR TO PROCUREMENT OF BMPs.
 - ALL PIPES AND STRUCTURES SHALL BE HDPE, HEAVY DUTY. REF PLAN FOR SIZES.
 - SUBGRADE SHALL SLOPE AT 0.5% MIN. TO UNDERDRAINS.
 - ALL BMPs COMPONENTS SHALL BE PROTECTED FROM SEDIMENT INTRUSION DURING CONSTRUCTION. SEE EROSION CONTROL PLAN, TO BE EXECUTED PRIOR TO START OF CONSTRUCTION.
 - BMPs, PIPES, AND ENTIRE STORMWATER SYSTEM SHALL BE INSPECTED, FULLY CLEANED, AND FLUSHED OUT OF ALL DEBRIS AND SEDIMENT PRIOR TO OBTAINING A CERTIFICATE OF OCCUPANCY.
 - CONTRACTOR SHALL CAP ENDS OF ALL DISTRIBUTION PIPES.
 - PURSUANT TO BUILDING CODE SECTION 121.17; PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY, POST-CONSTRUCTION CERTIFICATION INCLUDING AS-BUILT DRAWINGS, AFFIDAVIT FROM DESIGNER/S, AND PERFORMANCE BOND BASED UPON THE ACTUAL COST OF CONSTRUCTION MUST BE SUBMITTED FOR APPROVAL AFTER FINAL INSPECTION. THESE DOCUMENTS MUST BE RECORDED WITH THE CIVIL DISTRICT CLERK COURT.
 - PERFORATED PIPES SHALL CONFORM TO ASTM C2729 AND HAVE 3 PERFORATION ROWS WITH 60°-60° CIRCUMFERENTIAL HOLE SPACING, 5.000 IN. LONGITUDINAL HOLE SPACING, AND 0.5000 IN. HOLE DIAMETER.

SEWERAGE AND WATER BOARD NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH W&WB GENERAL SPECIFICATIONS, S&WB STANDARD DWGS, AND S&WB DWG NO.7260.
- CONTRACTOR SHALL CONTACT HADI AMINI (865-0445) OF THE S&WB CONSTRUCTION ADMINISTRATION AND INSPECTION DEPARTMENT A MINIMUM OF 48 HOURS PRIOR TO BEGINNING CONSTRUCTION TO ARRANGE FOR INSPECTION.
- CONTRACTOR SHALL PROVIDE THE FOLLOWING TO THE S&WB CONSTRUCTION ADMINISTRATION DEPARTMENT BEFORE BEGINNING CONSTRUCTION.
 - PROOF OF LOUISIANA MUNICIPAL AND PUBLIC WORKS CONTRACTORS LICENSE.
 - DEPARTMENT OF PUBLIC WORKS STREET CUT PERMIT.
 - PROOF OF INSURANCE INDEMNIFYING THE S&WB OF NEW ORLEANS IN THE AMOUNT OF AT LEAST \$5,000,000.00. ANY WORK OUTSIDE OF THE PUBLIC RIGHT OF WAY MUST BE REVIEWED AND APPROVED BY THE SEWERAGE AND WATER BOARD OF NEW ORLEANS PLUMBING DEPARTMENT IN ADVANCE OF CONSTRUCTION. A LICENSED MASTER PLUMBER MUST CONTACT THE PLUMBING DEPARTMENT AT 585-2160 TO VERIFY COMPLIANCE WITH ALL APPLICABLE GOVERNING REGULATIONS. OBTAINING THE SIGNATURE OF A REPRESENTATIVE OF S&WB ENGINEERING DOES NOT RELIEVE THE PLUMBER OF THIS OBLIGATION.
- THE METER SHALL BE INSTALLED AS RECEIVED FOR THE S&WB METER DEPARTMENT AND MAY NOT BE MODIFIED IN ANY MANNER. ANY MODIFICATIONS WILL VOID THE UL WARRANTY AND, AS SUCH, MAY SUBJECT THE OWNER TO FINANCIAL PENALTY AND LOSS OF SERVICE.
- ALL BRONZE/BRASS FITTINGS, CONNECTORS CORPORATION STOPS AND APPURTENANCES USED IN CONJUNCTION WITH PE TUBING SHALL BE OF DOMESTIC MANUFACTURE, SHALL BE MADE OF LEAD FREE BRONZE/BRASS, AND MEET ALL REQUIREMENTS OF AWWA, ASTM, ANSI FOR USE IN THE POTABLE WATER DISTRIBUTION SYSTEMS.



1 DRAINAGE PLAN
Scale: 1 = 10'-0"



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PLANTING PLAN

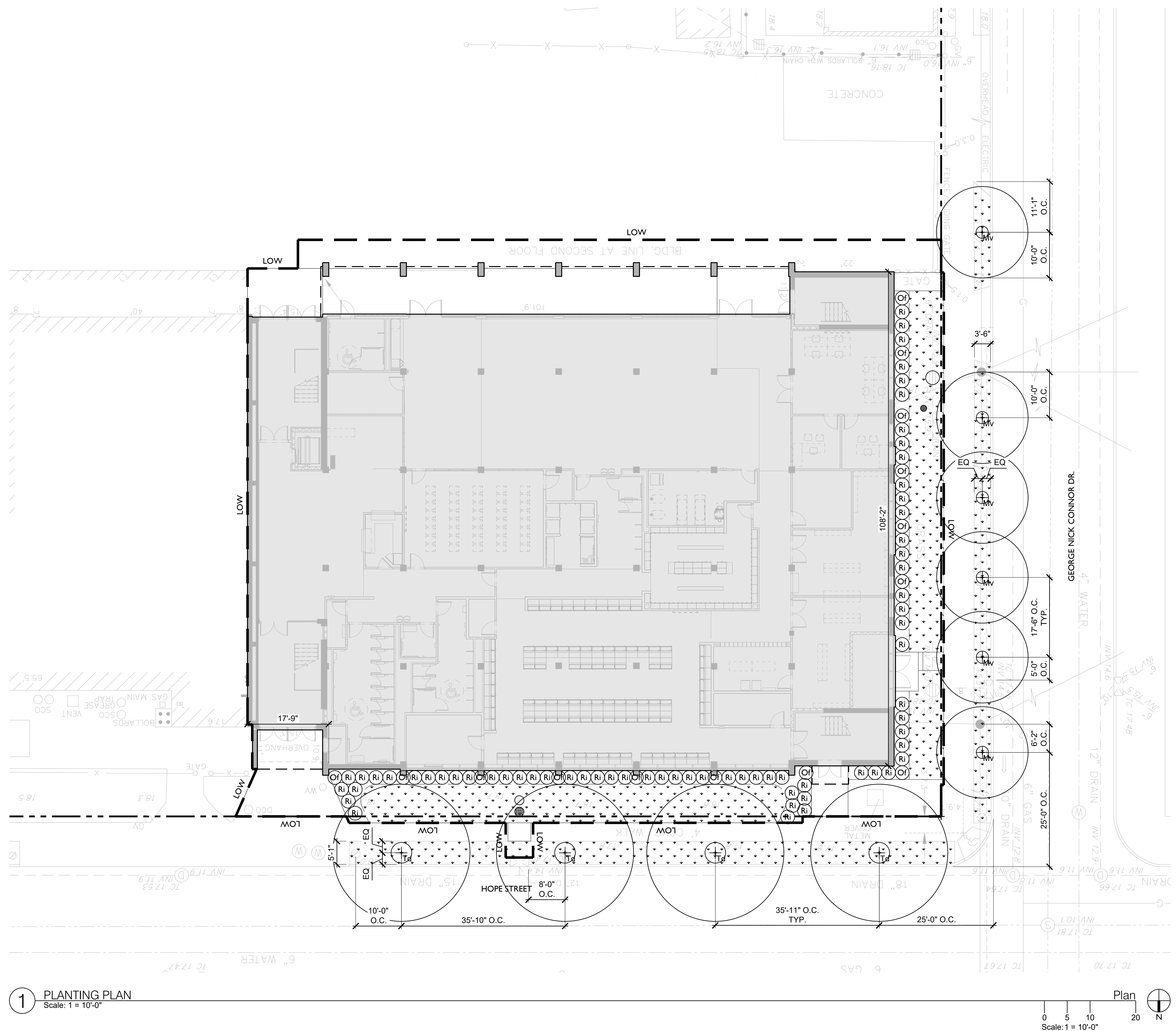
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LEGEND

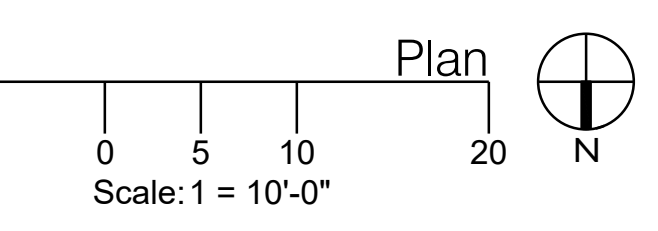
- PROPERTY LINE
- LIMIT OF WORK
- EXISTING CATCH BASINS
- EXISTING DRAIN INLETS
- EXISTING DRAIN STRUCTURES
- TREE PLANTING, TYP. SEE 1/L5.90
- SHRUB PLANTING, TYP. SEE 2/L5.90
- LAWN, TYP. SEE 3/L5.90
- EQUAL DISTANCE, TYP.

NOTES

1. LANDSCAPE ARCHITECT TO APPROVE ALL PROPOSED PLANT LOCATIONS PRIOR TO INSTALLATION.
2. CONTRACTOR SHALL MINIMIZE DISTURBANCE OF SOIL ADJACENT TO EXISTING PLANTS TO REMAIN.
3. SEE L5.50 FOR PLANT SCHEDULE.



1 PLANTING PLAN
Scale: 1 = 10'-0"



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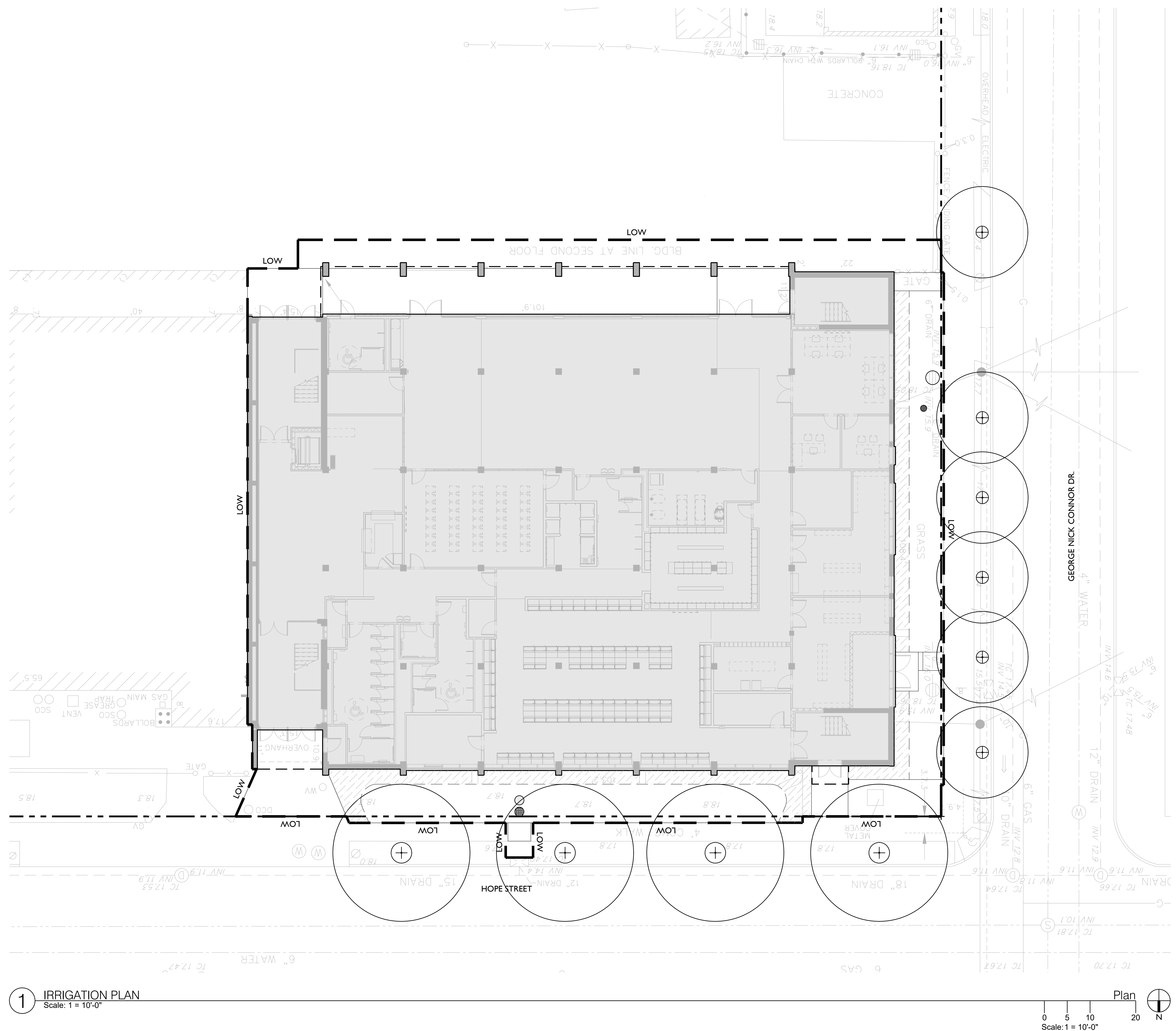
IRRIGATION PLAN

LEGEND

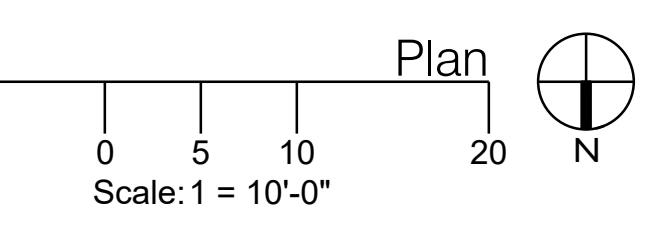
- PROPERTY LINE
- LIMIT OF WORK
- EXISTING CATCH BASINS
- EXISTING DRAIN INLETS
- EXISTING DRAIN STRUCTURES
- PROPOSED TREES
- AREA TO BE IRRIGATED APPROX. 750 SF

NOTES

1. ANY PLANTING AREA NOT SHOWN AS IRRIGATED SHALL BE HAND WATERED DURING ESTABLISHMENT.
2. ANY PROPOSED TREES NOT SHOWN AS IRRIGATED SHALL BE EQUIPPED WITH A SLOW RELEASE WATERING BAG (329300) AND SHALL BE HAND WATERED DURING ESTABLISHMENT.
3. CONTRACTOR SHALL PROVIDE 100% IRRIGATION COVERAGE USING HOSE BIBB WITH IRRIGATION CONTROL TIMER AND DRIP HOSES. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL.



1 IRRIGATION PLAN
Scale: 1" = 10'-0"



PLANT SCHEDULE (329300)						
TREES						
SYMBOL	COMMON NAME	BOTANICAL NAME	QTY	SIZE	SPACING	NOTES
	SWEETBAY MAGNOLIA	<i>Magnolia virginiana</i>	6	3" CAL	REF PLAN	SINGLE STEM, MUST HAVE STRONG CENTRAL LEADER, MIN. CROTCH HEIGHT 6'-0"
	BALD CYPRESS	<i>Taxodium distichum</i>	4	3" CAL	REF PLAN	MUST HAVE STRONG CENTRAL LEADER, MIN. CROTCH HEIGHT 6'-0"
SHRUBS, PERENNIALS, AND GROUNDCOVERS						
SYMBOL	COMMON NAME	BOTANICAL NAME	QTY	SIZE	SPACING	NOTES
	SWEET OLIVE	<i>Osmanthus fragrans</i>	14	7 GAL	36" O.C.	SHRUBS MUST MEASURE A MIN. 24" AT PLANTING, TRIANGULAR SPACING
	MRS. G.G. GERBING AZALEA	<i>Rhododendron indica</i> 'Mrs. G.G. Gerbing'	68	3 GAL	36" O.C.	SHRUBS MUST MEASURE A MIN. 24" AT PLANTING, TRIANGULAR SPACING
	LAWN	<i>Cynodon dactylon</i>	2,635 SF	SOD	REF PLAN	
	3" LAYER OF PINE STRAW MULCH		850 SF			ALL PLANTING BEDS AND 3' RADIUS AROUND ALL TREES

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PLANT
SCHEDULE

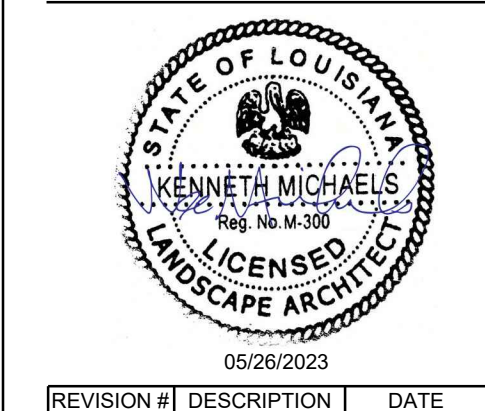
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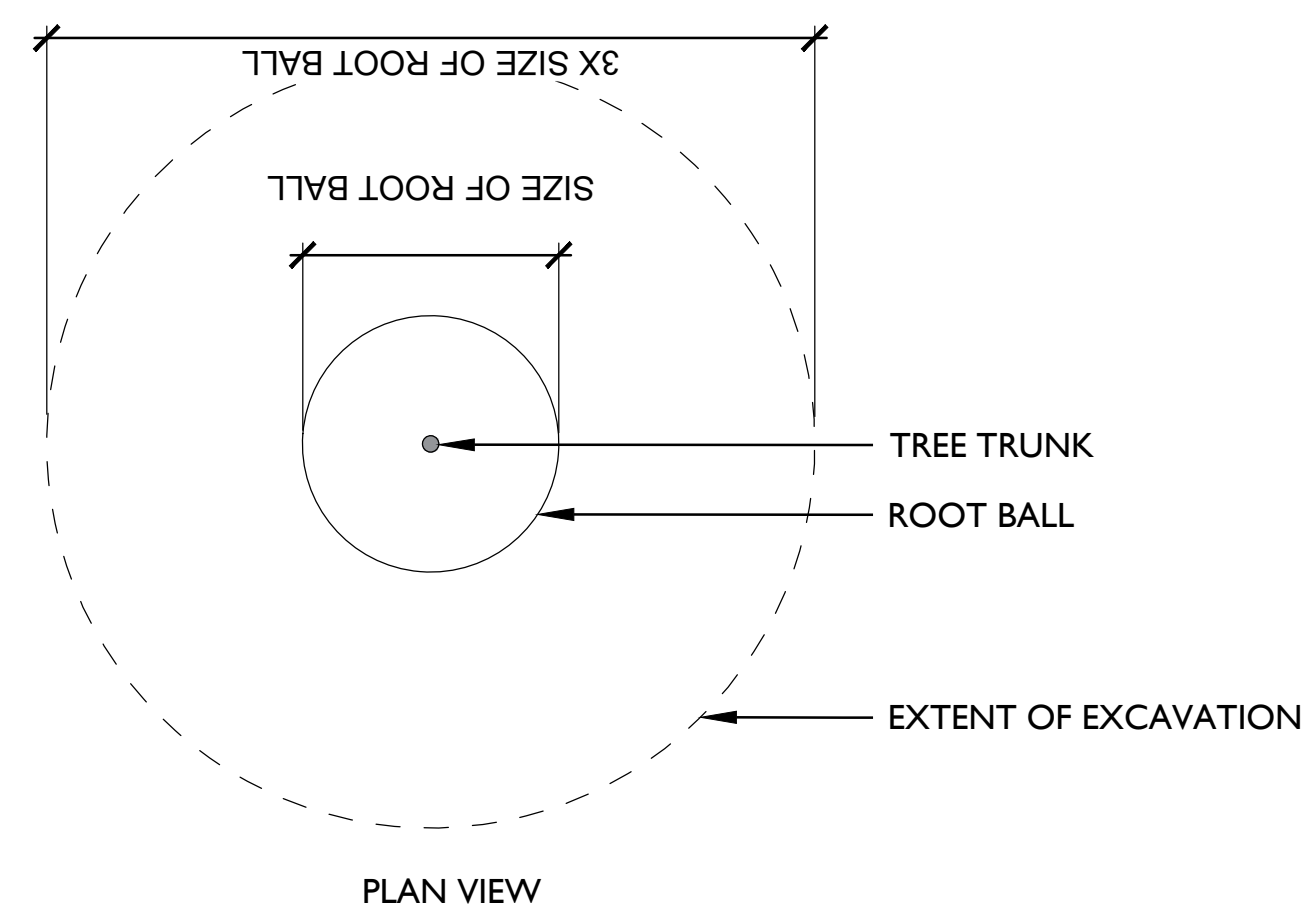
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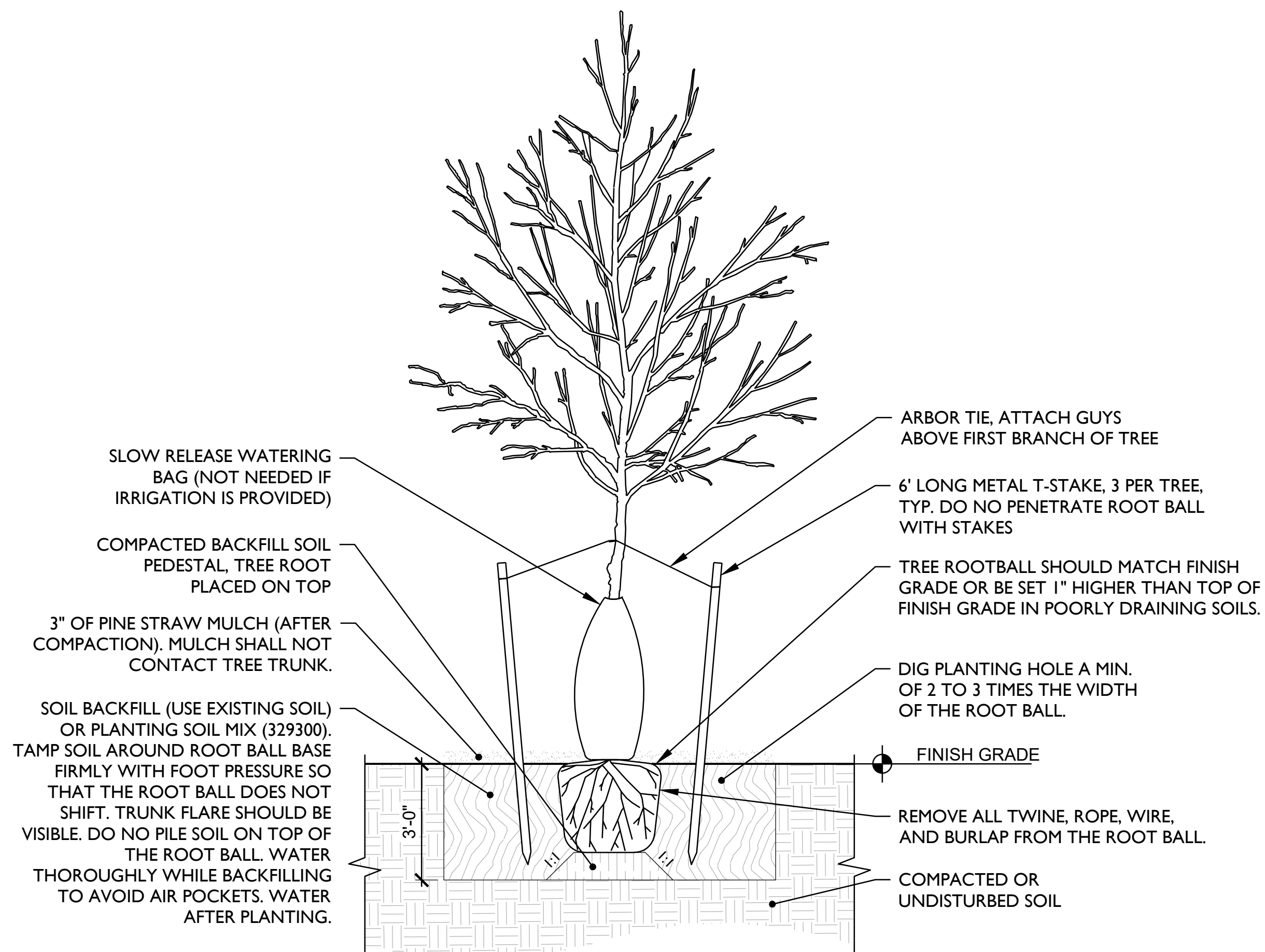


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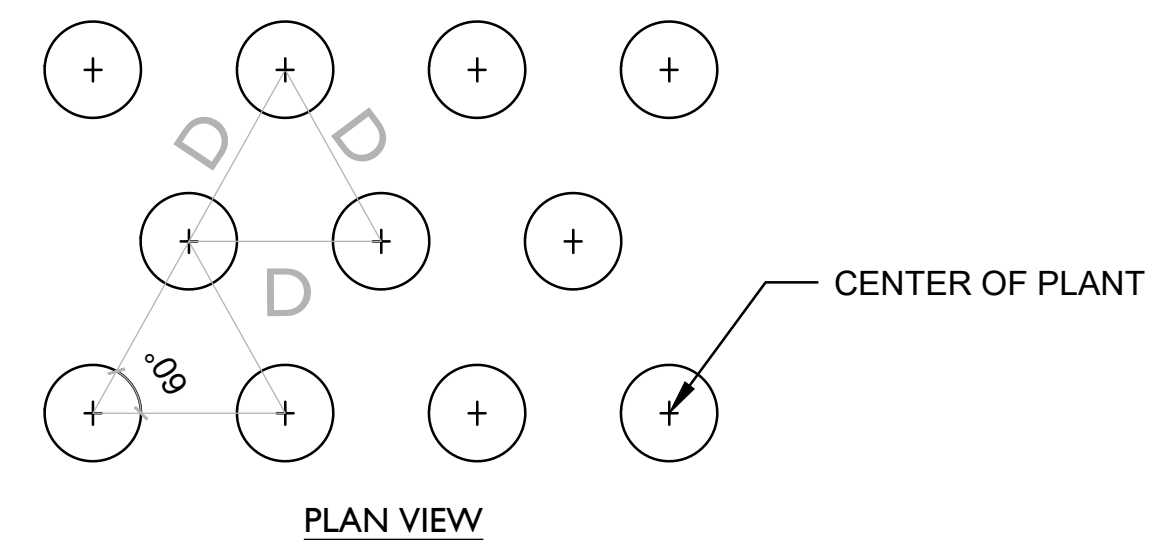
PLAN VIEW



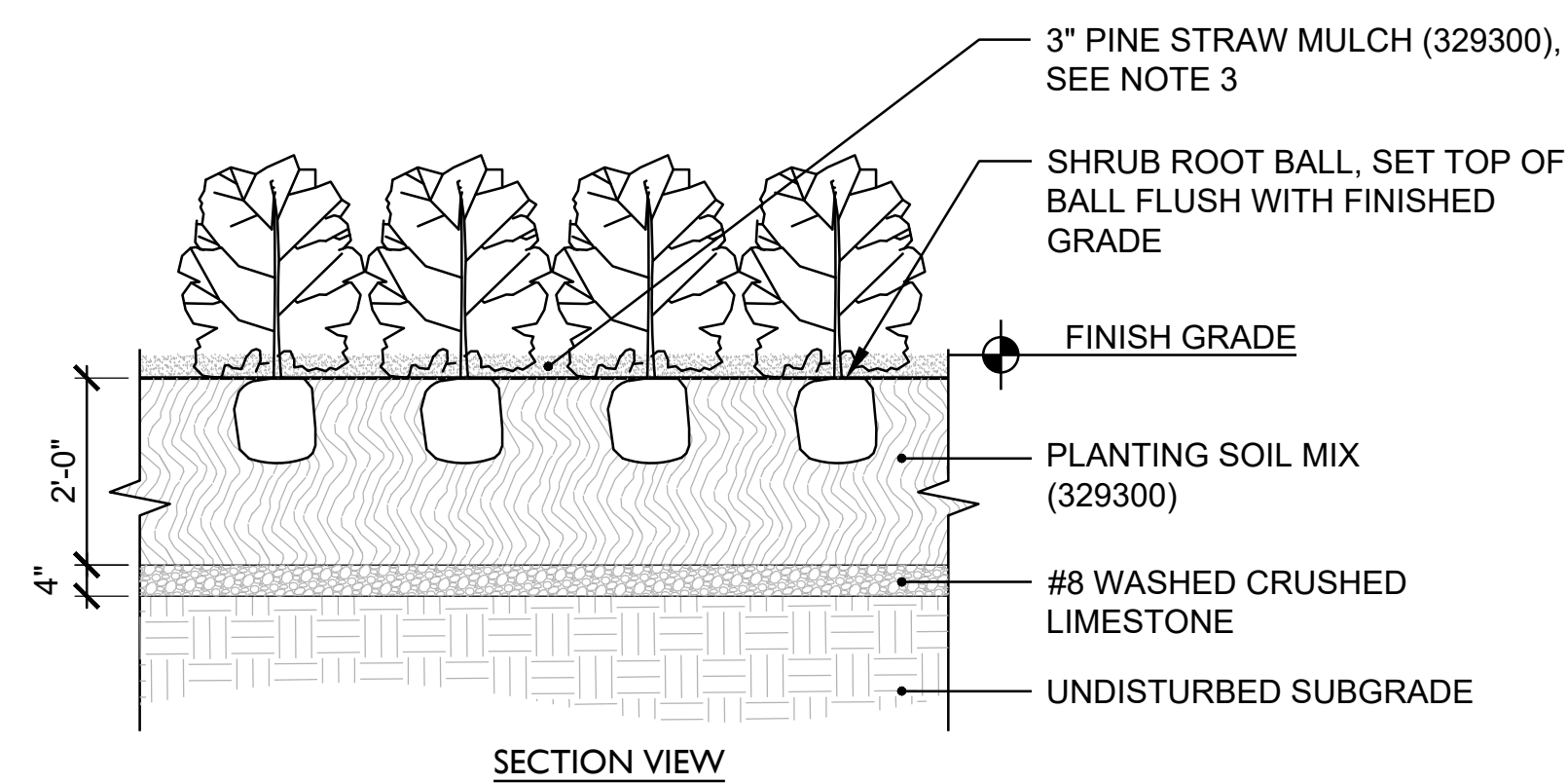
1 TREE PLANTING, TYP.
Scale: 1/2"=1'-0"

DETAIL

- NOTES:
1. REMOVE ALL WIRE, PLASTIC, TAGS, AND/OR SYNTHETIC MATERIAL FROM PLANTS PRIOR TO PLANTING.
 2. D=TYPICAL ON CENTER (O.C.) SPACE AS INDICATED BY THE PLANT SCHEDULE.
 3. 2" LAYER OF MULCH AT JOIN MODULAR PLANTERS.



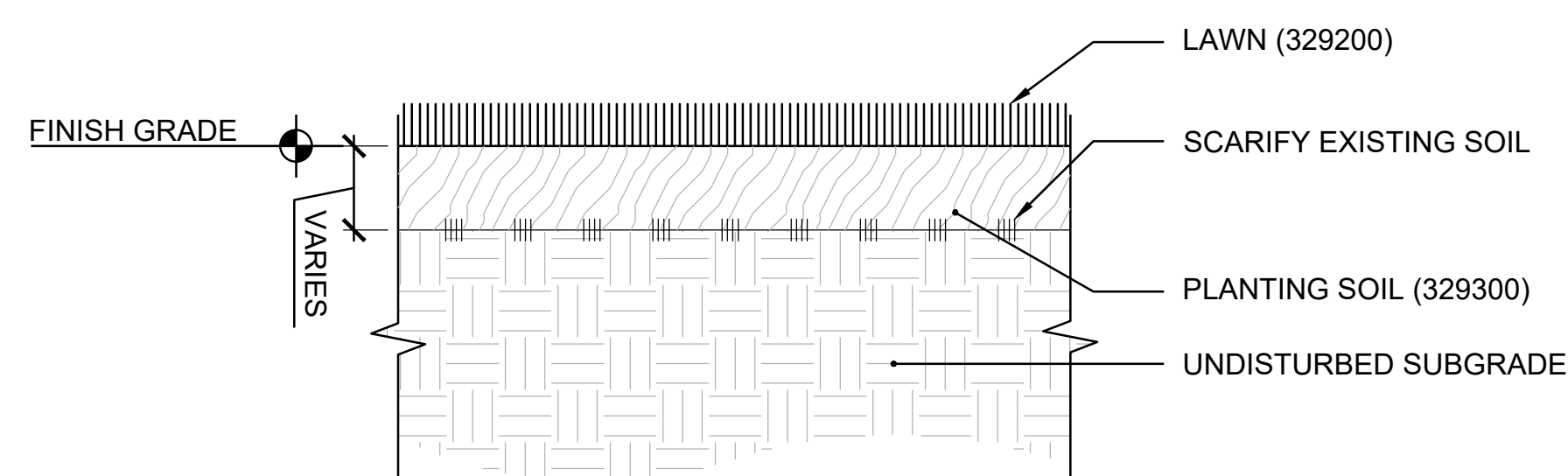
PLAN VIEW



SECTION VIEW

2 SHRUB PLANTING @ BIORETENTION PLANTING BED, TYP.
Scale: 1/2"=1'-0"

DETAIL



3 LAWN, TYP.
Scale: 1"=1'-0"

DETAIL

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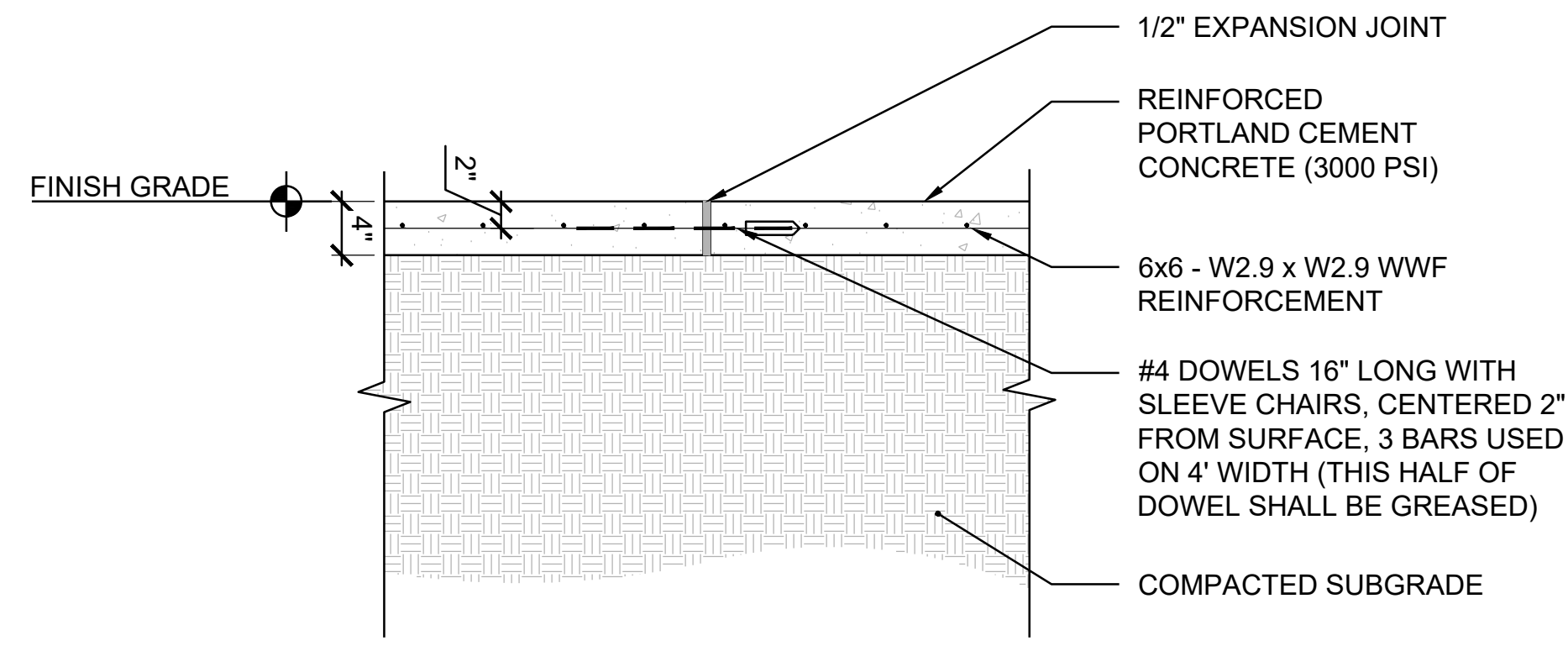
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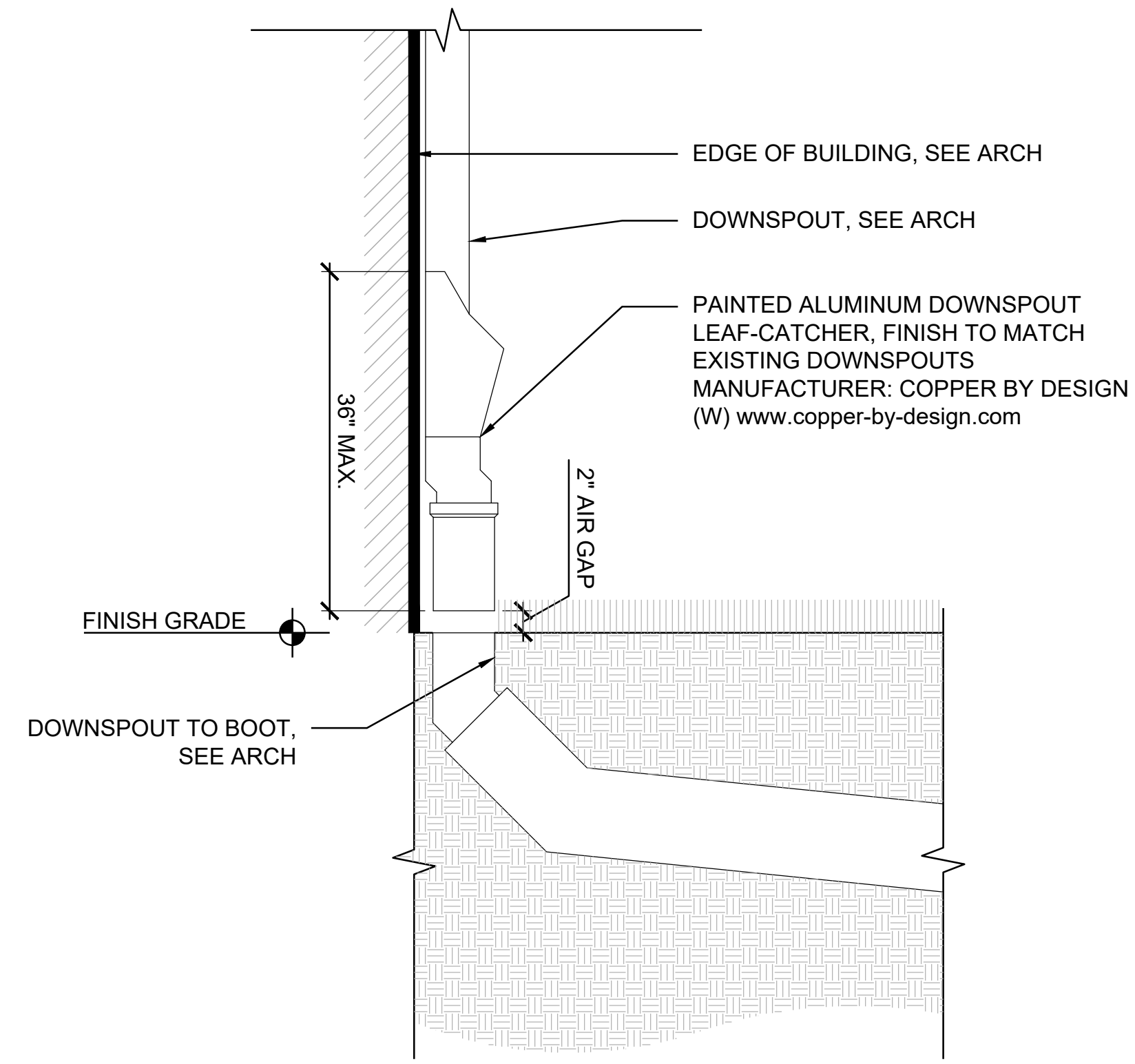
SITE DETAILS

L9.00

- NOTE:
- CROSS SLOPES SHALL NOT EXCEED 2%.
 - LONGITUDINAL SLOPES SHALL NOT EXCEED 5%.
 - 1/2" TOLLED JOINTS REQUIRED AT INTERVALS EQUAL TO WIDTH OF SIDEWALK.
 - 1/2" EXPANSION JOINTS REQUIRED AT 100' MAX. AND AT JUNCTIONS WITH CURBS, DRIVES, OR OTHER WALKS.

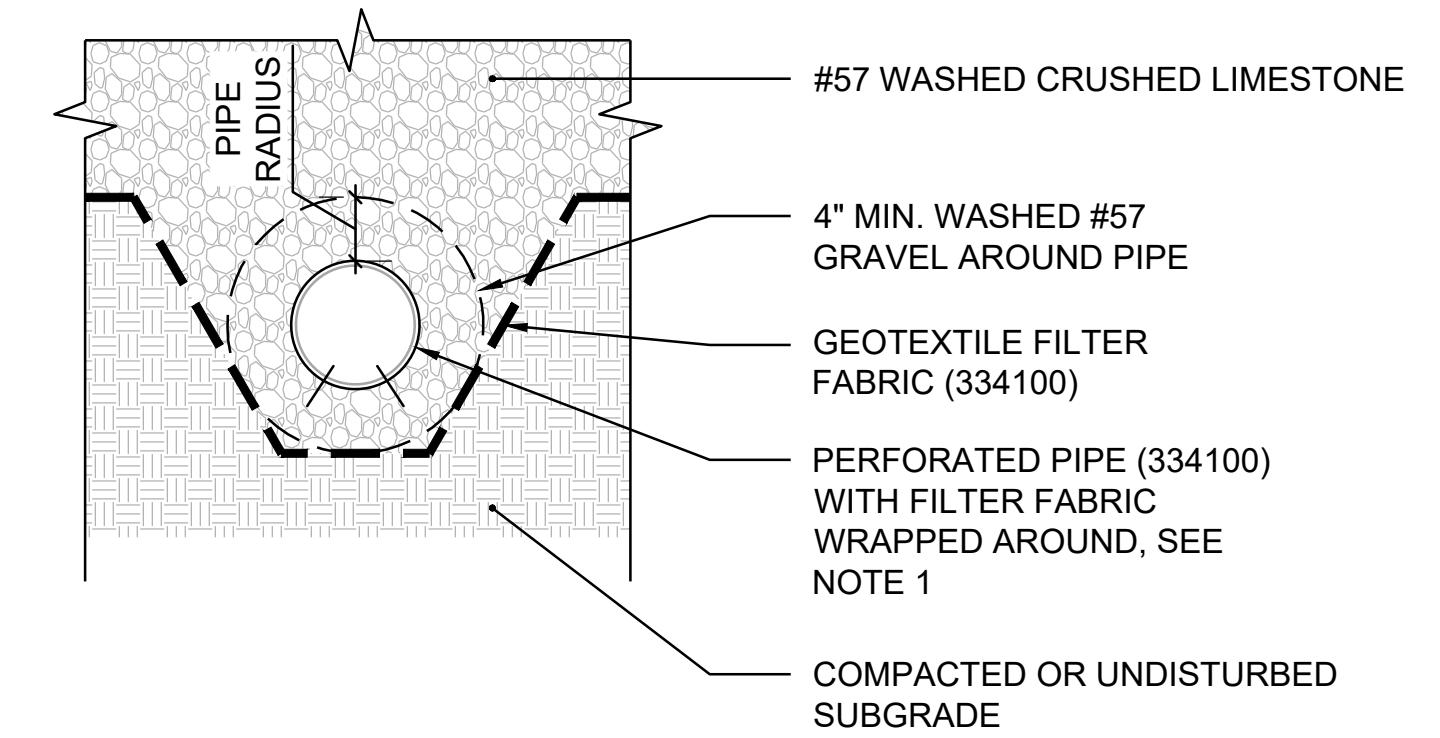


1 CONCRETE PAVEMENT, PEDESTRIAN, TYP. Detail
Scale: 1" = 1'-0"



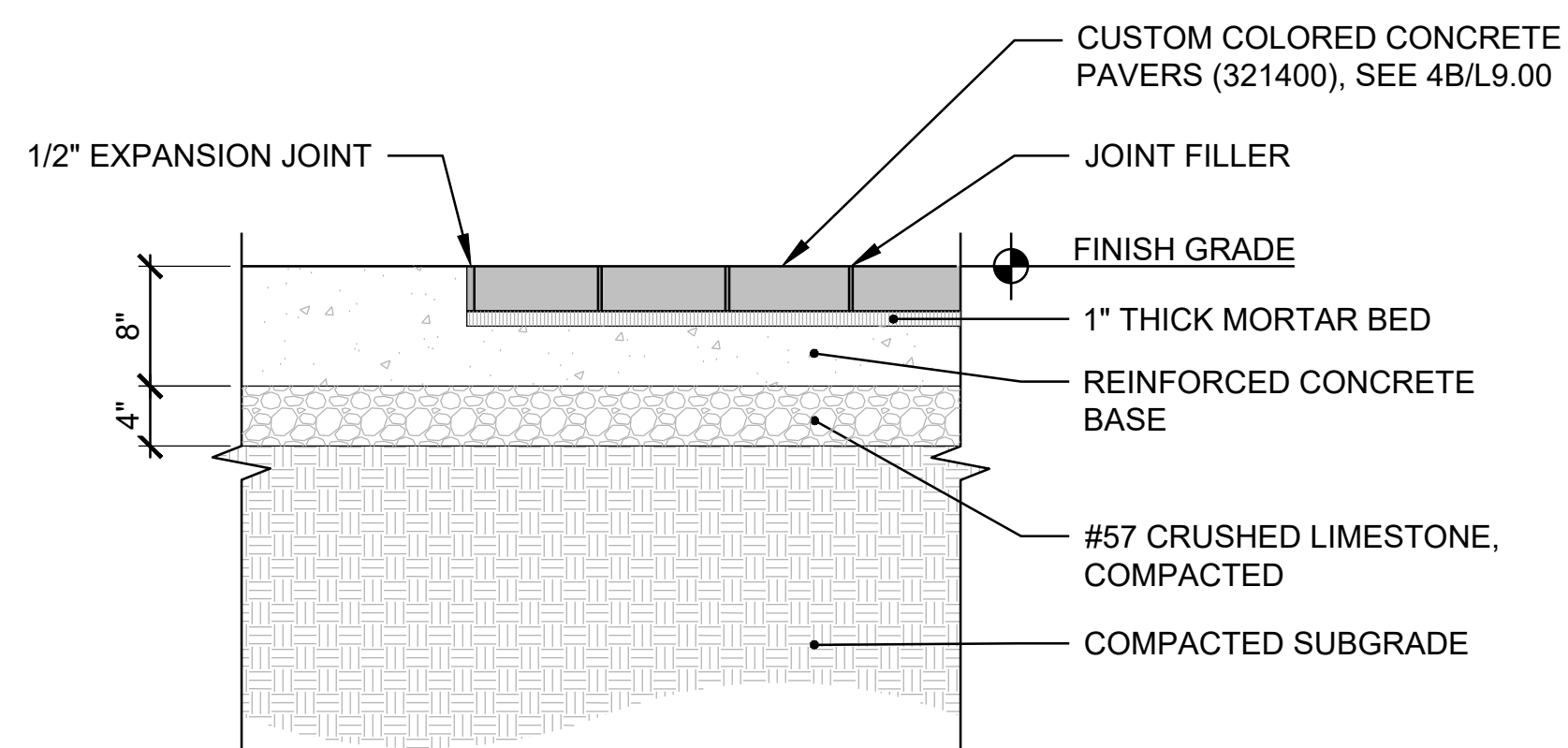
2 BOOTED DOWNSPOUT, TYP. Detail
Scale: 1" = 1'-0"

- NOTES:
- SUBGRADE SHALL SLOPE AT 0.5% MIN. TO UNDERDRAINS.
 - PERFORATED PIPES SHALL CONFORM TO ASTM C2729 AND HAVE 3 PERFORATION ROWS WITH 60°-60° CIRCUMFERENTIAL HOLE SPACING, 5.000 IN. LONGITUDINAL HOLE SPACING, AND 0.5000 IN. HOLE DIAMETER.

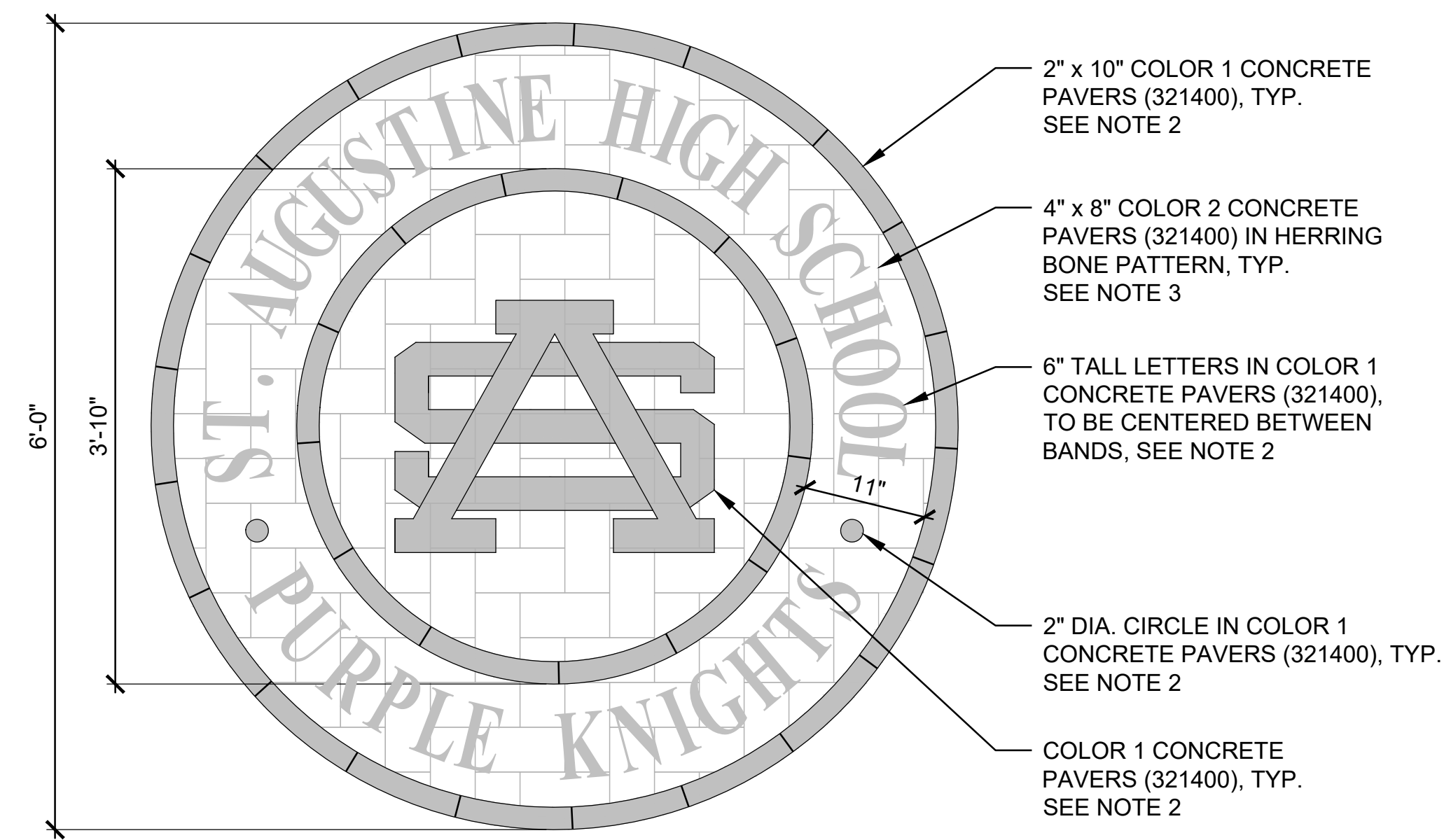


3 UNDERDRAIN, TYP. Detail
Scale: 1" = 1'-0"

- NOTE:
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL OF WATER JET SCHOOL EMBLEM PRIOR TO FABRICATION.
 - SHOP DRAWINGS SHALL INDICATE SIZE, LAYOUT, PATTERN, MATERIALS, AND QUANTITIES FOR EACH TYPE OF CONCRETE PAVERS.
 - SHOP DRAWINGS SHALL SHOW TRUE PROFILES, DIMENSIONS, JOINT MATERIAL, AND ALL NECESSARY INFORMATION.
 - COLOR 1 CONCRETE PAVERS = YELLOW, TO MATCH EXISTING, SEE REFERENCE IMAGE OF EXISTING EMBLEM TO MATCH, SEE 4C/L9.00
 - COLOR 2 CONCRETE PAVERS = PURPLE, TO MATCH EXISTING, SEE REFERENCE IMAGE OF EXISTING EMBLEM TO MATCH, SEE 4C/L9.00



A CONCRETE PAVERS ON CONCRETE BASE, TYP. SECTION
Scale: 1" = 1'-0"



B PLAN VIEW OF CUSTOM WATER JET SCHOOL EMBLEM PLAN
Scale: 1" = 1'-0"



C REFERENCE PHOTO OF EXISTING SCHOOL EMBLEM TO MATCH
Scale: NTS

4 SCHOOL EMBLEM WITH COLORED CONCRETE PAVERS, TYP. Detail
Scale: As Noted

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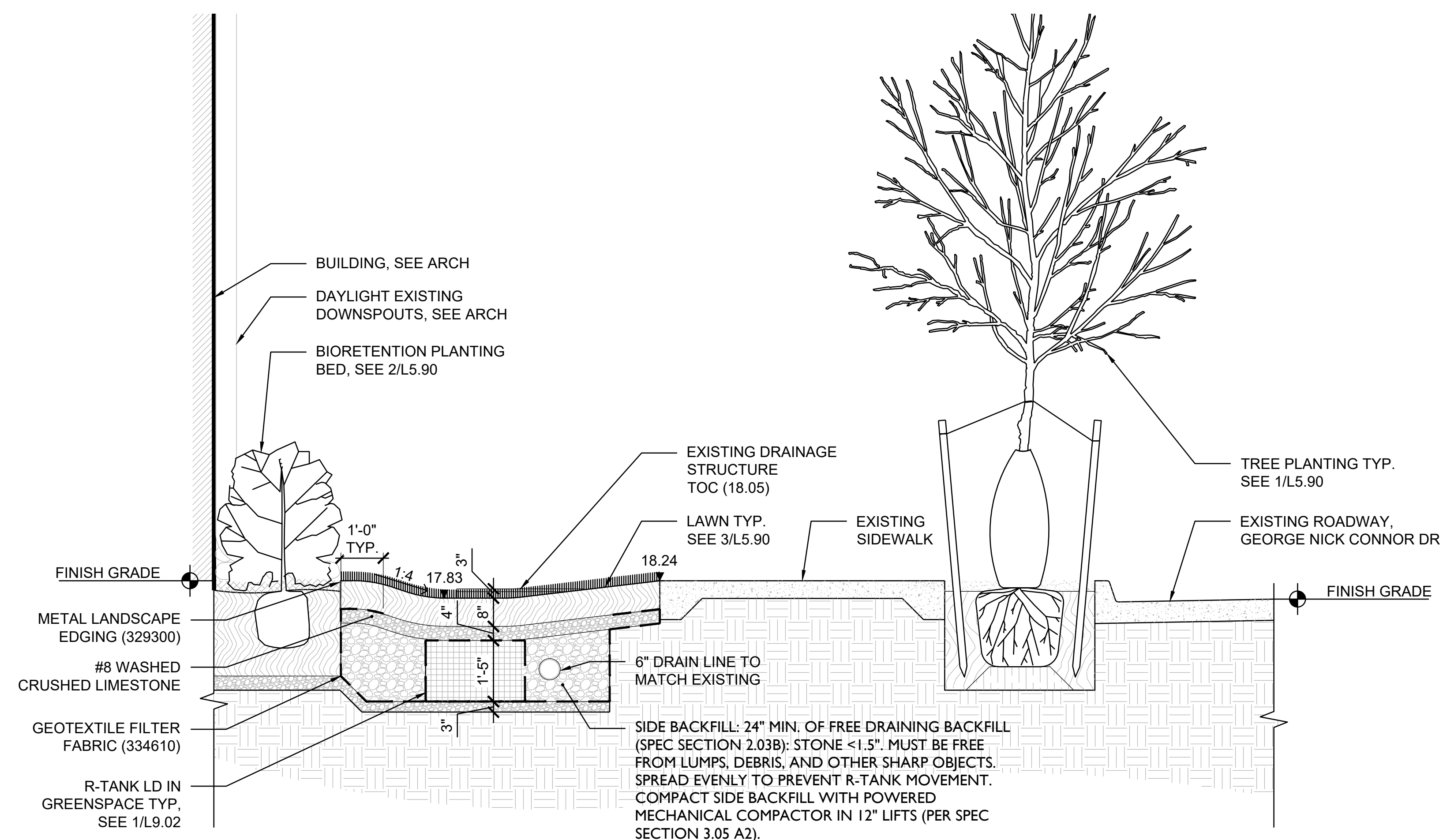
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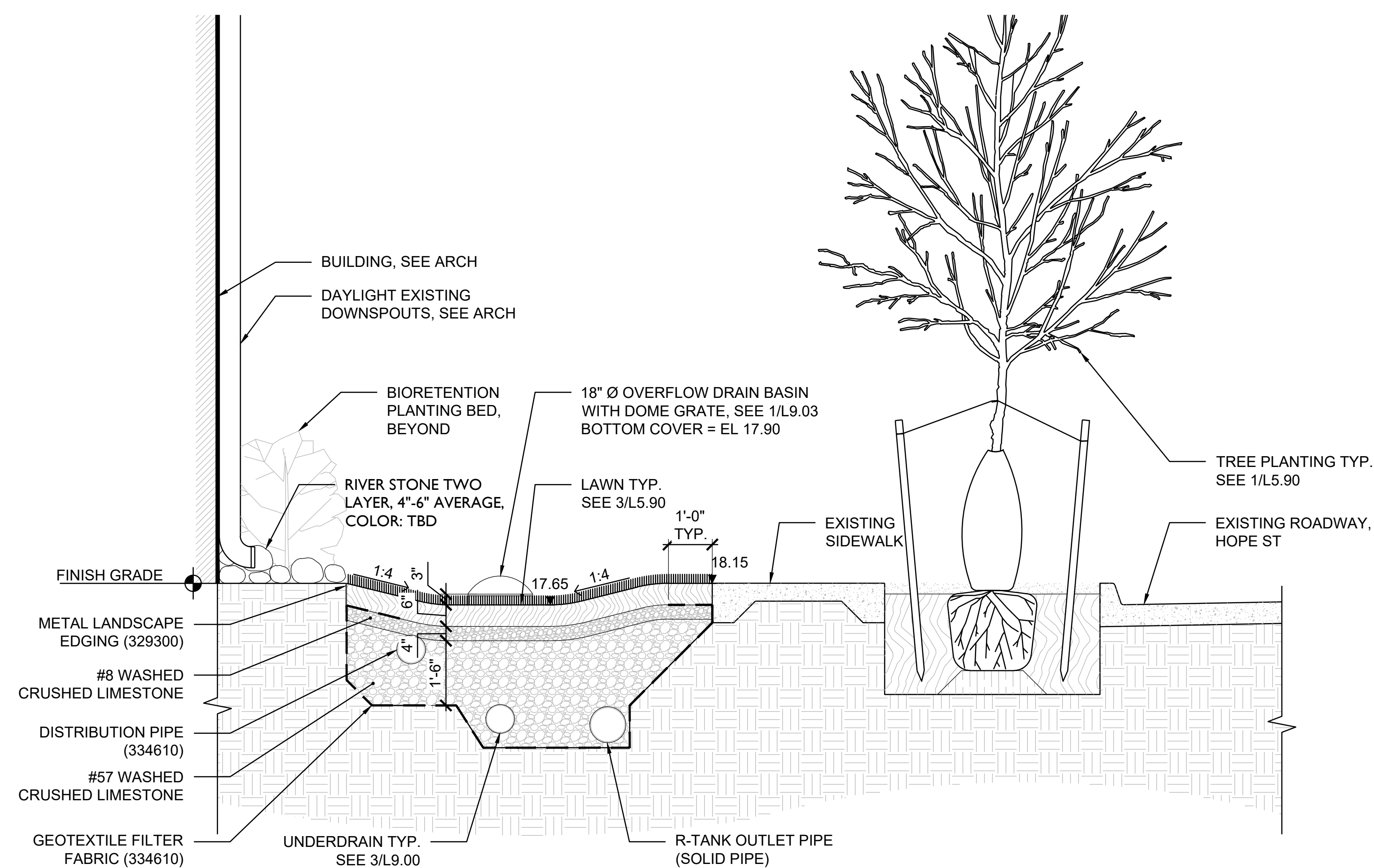
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SITE DETAILS



1 BIOSWALE AT GEORGE NICK CONNOR DR TYP.
Scale: 1/2" = 1'-0"

Detail

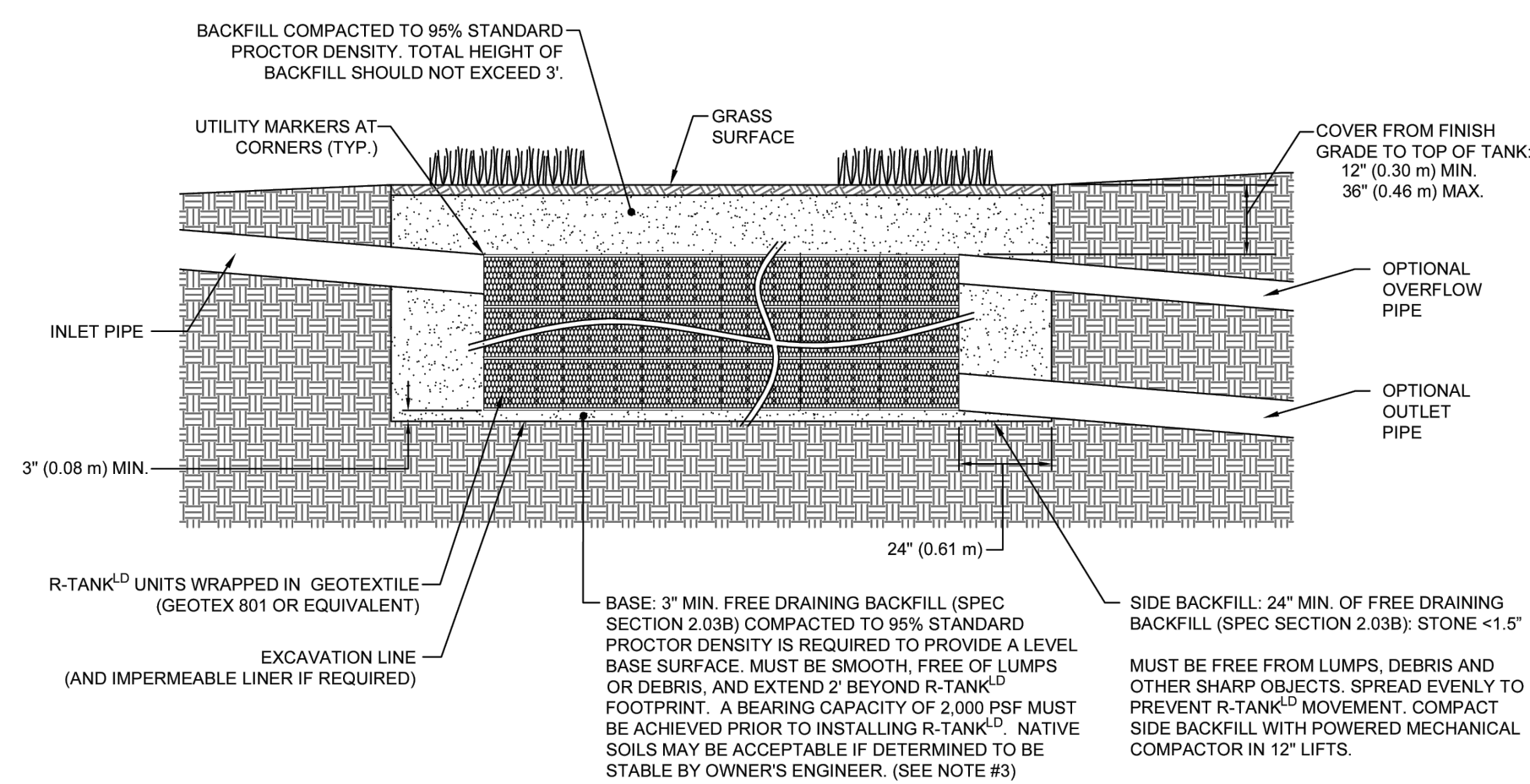


2 BIOSWALE AT HOPE ST TYP.
Scale: 1/2" = 1'-0"

Detail

NOTES:

1. FOR COMPLETE MODULE DATA, SEE APPROPRIATE R-TANK[®] SHEET (MINI MODULE, SINGLE MODULE, DOUBLE MODULE, TRIPLE MODULE, QUAD MODULE, OR PENTA MODULE).
2. PRE-TREATMENT STRUCTURES NOT SHOWN.
3. FOR INFILTRATION APPLICATIONS, GEOTEXTILE ENVELOPING R-TANK SHALL BE ACF M200 (PER SPEC SECTION 2.02A) AND BASE SHALL BE 4" MIN. UNCOMPACTED FREE DRAINING BACKFILL (SPEC SECTION 2.03A) TO PROVIDE A LEVEL BASE. SURFACE MUST BE SMOOTH, FREE OF LUMPS OR DEBRIS, AND EXTEND 2' BEYOND R-TANK[®] FOOTPRINT.

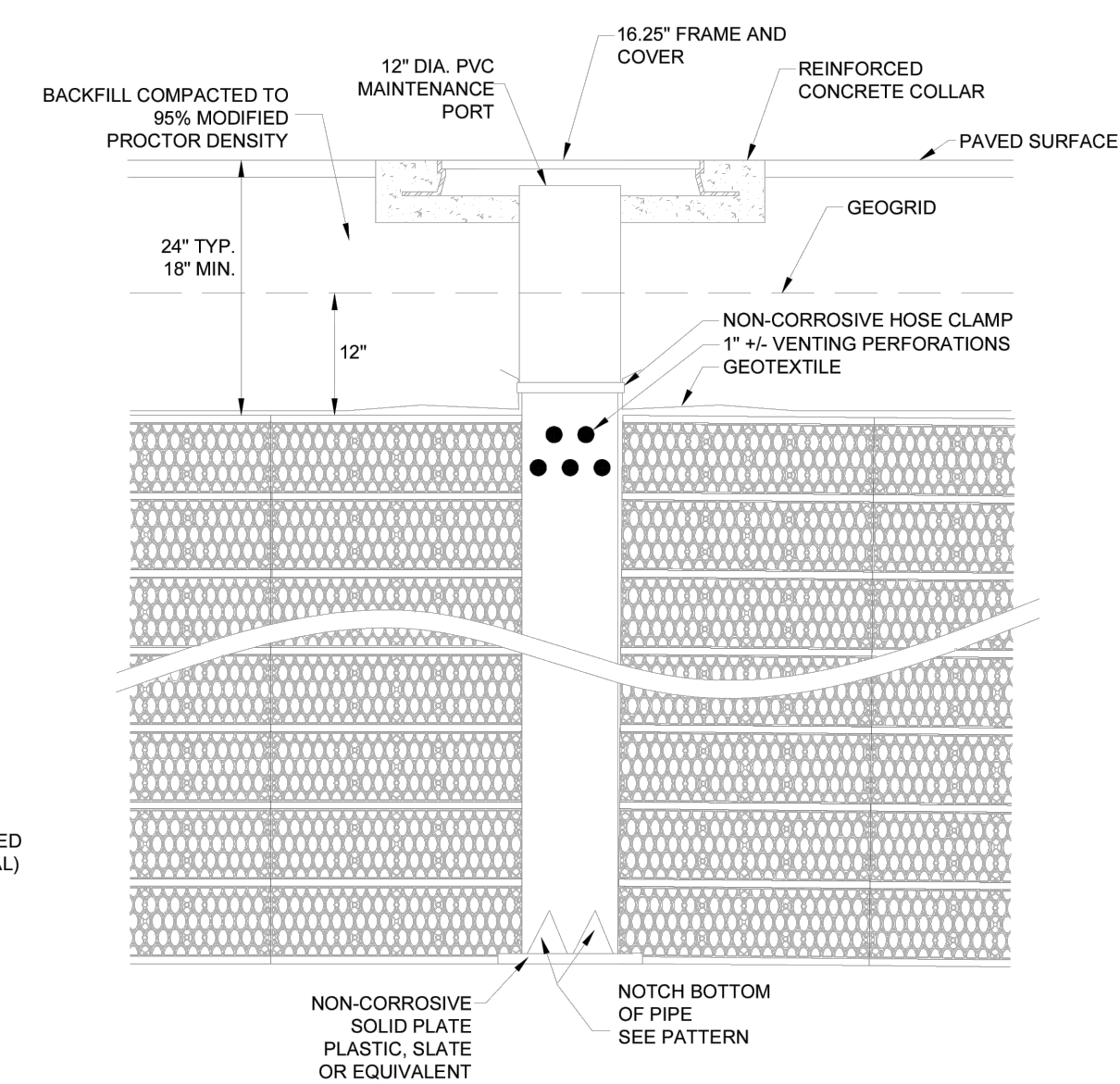
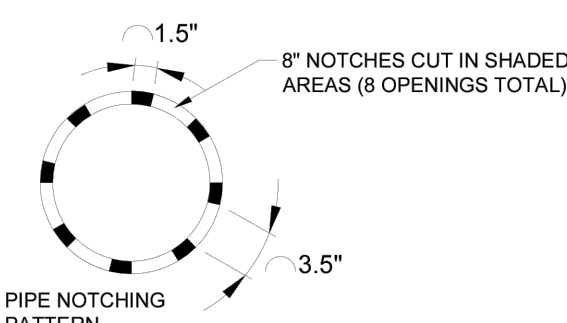


1 R-TANK LD IN GREENSPACE (SINGLE), TYP.
Scale: NTS

Detail

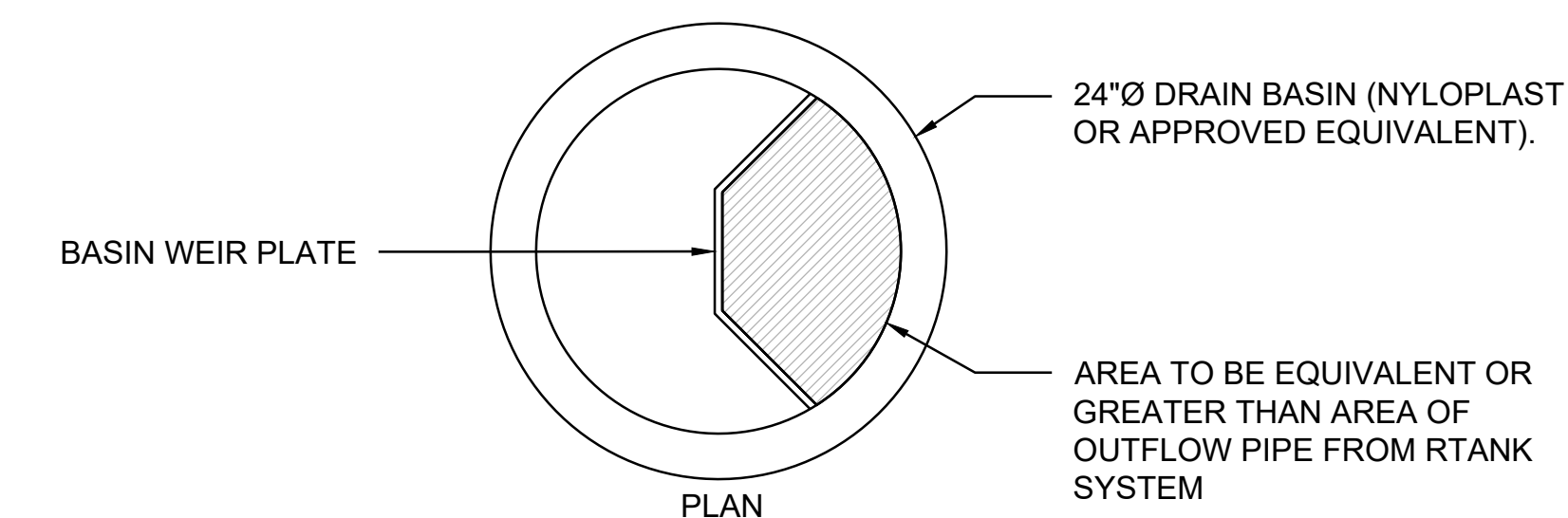
MAINTENANCE PORT

THIS PORT IS USED TO PUMP WATER INTO THE SYSTEM AND RE-SUSPEND ACCUMULATED SEDIMENT SO THAT IT MAY BE PUMPED OUT. MINIMUM REQUIRED MAINTENANCE INCLUDES A QUARTERLY INSPECTION DURING THE FIRST YEAR OF OPERATION AND A YEARLY INSPECTION THEREAFTER. FLUSH AS NEEDED.

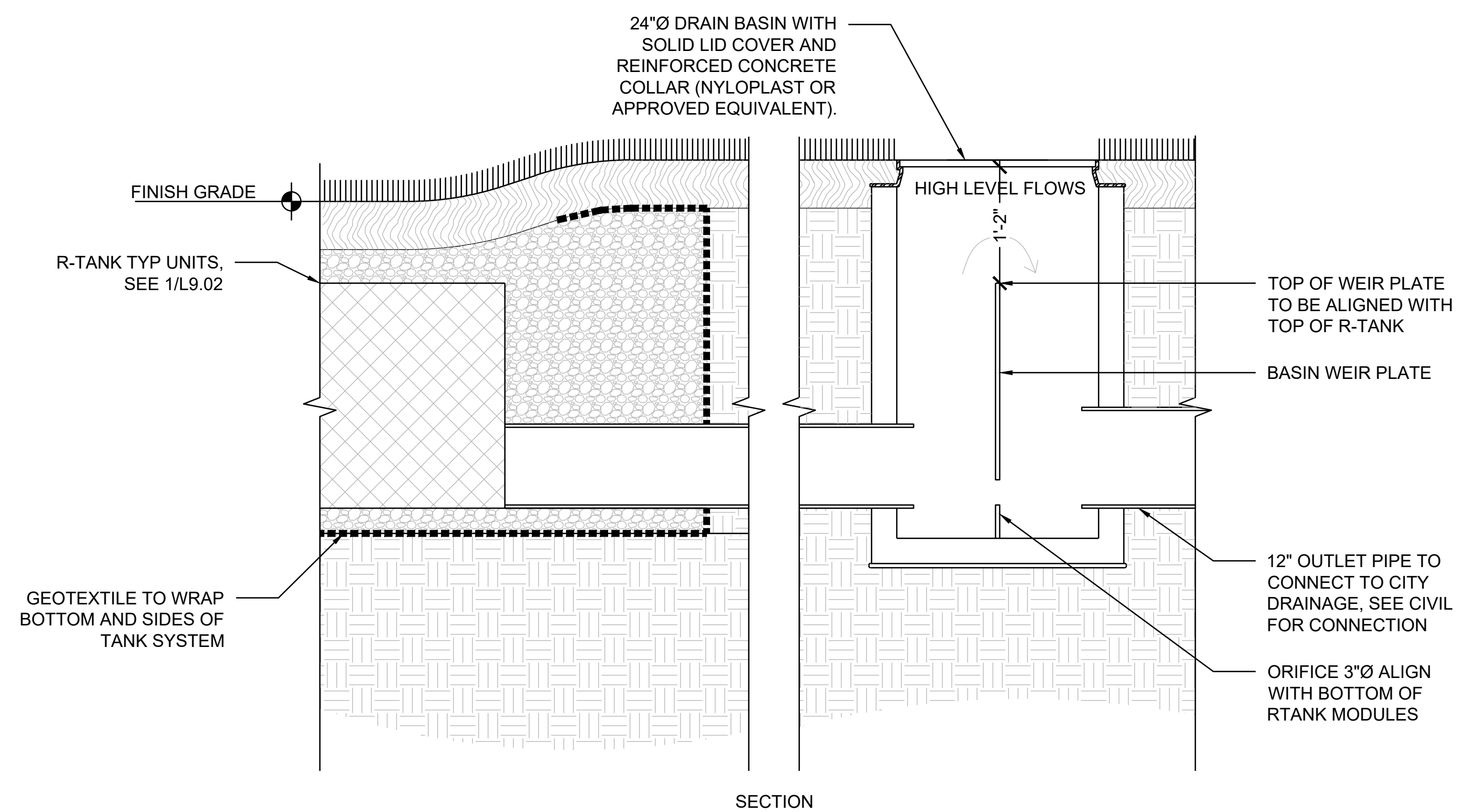


2 MAINTENANCE PORT, TYP.
Scale: NTS

Detail

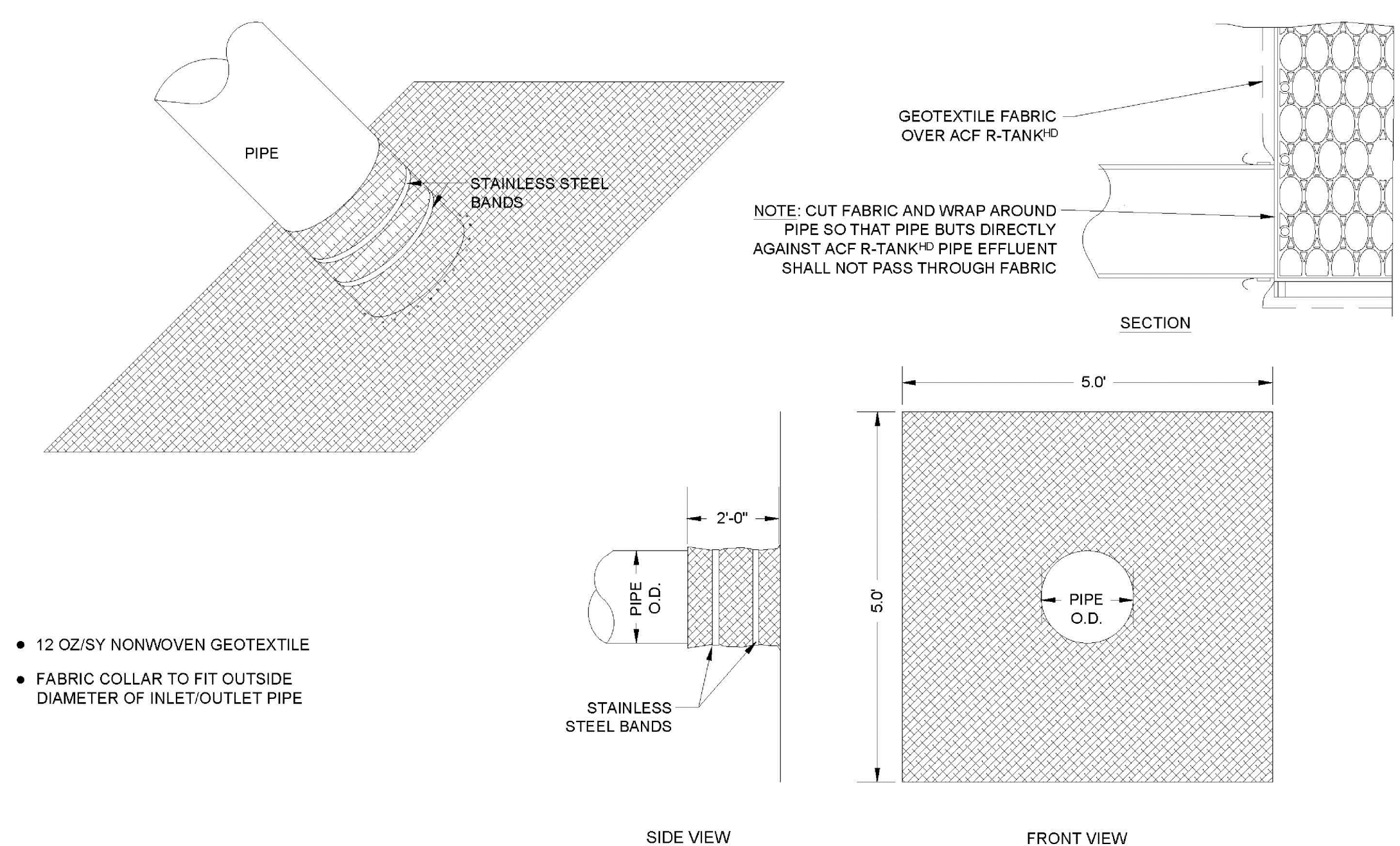


24"Ø DRAIN BASIN WITH SOLID LID COVER AND REINFORCED CONCRETE COLLAR (NYLOPLAST OR APPROVED EQUIVALENT).



4 WEIR CONTROL, TYP.
Scale: 1"=1'-0"

Detail



3 PIPE BOOT, TYP.
Scale: NTS

Detail

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WELLNESS CENTER
RENOVATION
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NEW ORLEANS, LA 70119

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CONTRACTOR
Woodward Design + Build
1000 South Norman C. Francis Parkway
New Orleans, LA 70125
(504)

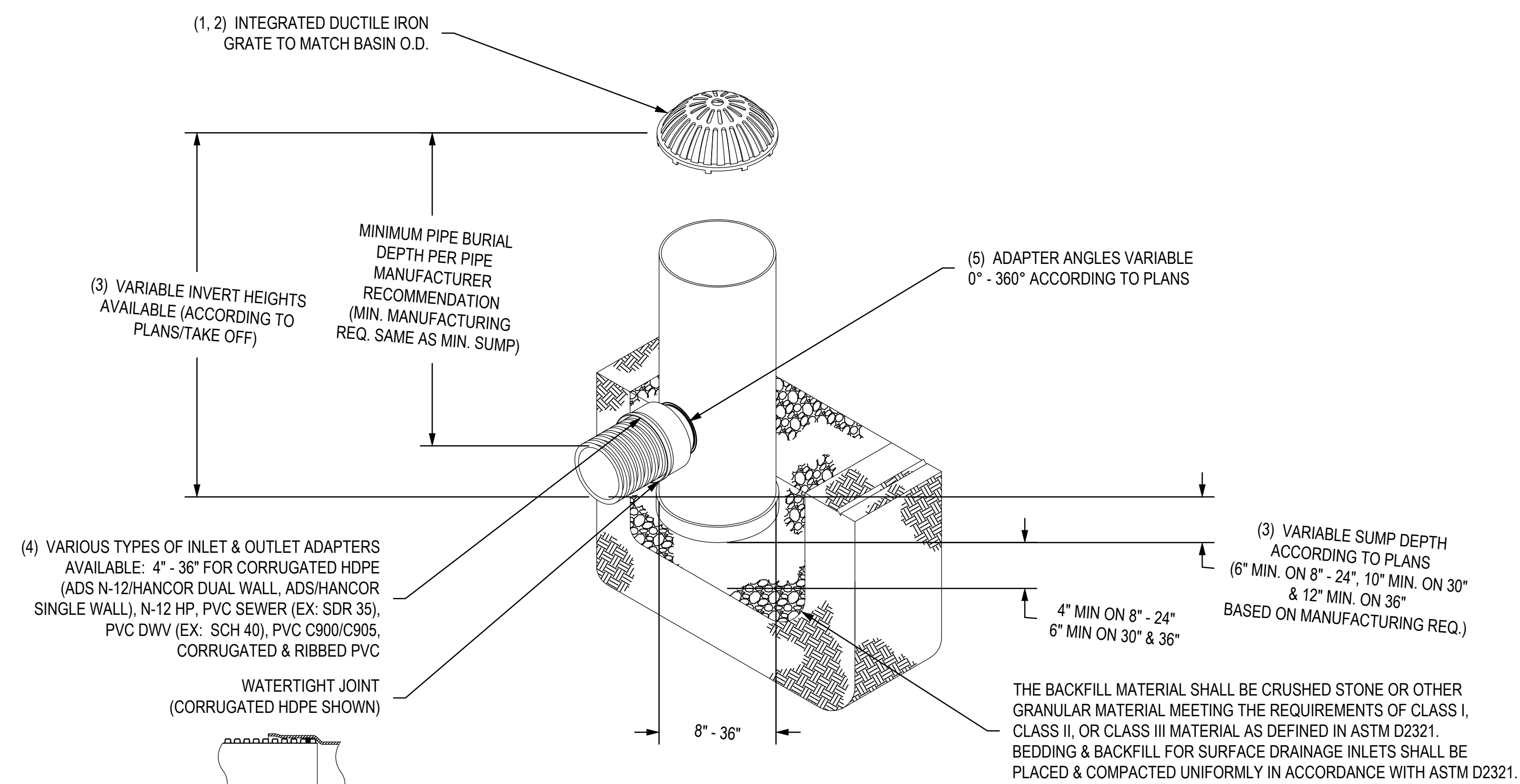


REVISION #	DESCRIPTION	DATE

© TRAPOLIN-PEER ARCHITECTS, APC
PROJECT NUMBER
CN21101-02
ISSUE DATE
05/26/23

SITE DETAILS

L9.03



- 1 - 8" - 30" DOME GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
- 2 - 8" & 10" DOME GRATES FIT ONTO THE DRAIN BASINS WITH THE USE OF A PVC BODY TOP.
- 3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS.
- 4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL, N-12 HP, & PVC SEWER (4" - 36").
- 5 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS.
- 6 - 8" - 30" DOME GRATES HAVE NO LOAD RATING.

1 OVERFLOW DRAIN BASIN WITH DOME GRATE, TYP.
Scale: Nts

Detail



MEANS OF EGRESS				
	CITATION	ALLOWED/REQUIRED	PROVIDED	COMMENTS
EGRESS WIDTH	IBC: CHAPTER 10 NFPA 101: 7.2.1.2.3.2	STAIRS: 3"/OCC, MINIMUM 44" DOORS: 2"/OCC, MINIMUM 32" CORRIDORS: 2"/OCC, MINIMUM 72"	REQUIREMENTS MET AT NEW CONSTRUCTION AREAS SEE PLANS: EXISTING EGRESS STAIR CAPACITY TO REMAIN.	IECC 804.2, EXCEPTION 2: MEANS OF EGRESS COMPLYING WITH THE REQUIREMENTS OF THE BUILDING CODE UNDER WHICH THE BUILDING WAS CONSTRUCTED SHALL BE CONSIDERED TO BE COMPLIANT MEANS OF EGRESS IF, IN THE OPINION OF THE CODE OFFICIAL, THEY DO NOT CONSTITUTE A DISTINCT HAZARD TO LIFE.
EXIT SEPARATION	IBC: 1007.1.1 NFPA 101: TABLE A.8.2.1.2	THE SEPARATION DISTANCE SHALL BE NOT LESS THAN 1/3 OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED.	REQUIREMENTS MET. SEE PLANS.	
TRAVEL DISTANCE	IBC: 1017.2 NFPA 101: TABLE A7.6	ASSEMBLY: IBC: 250' NFPA: 250'	REQUIREMENTS MET. SEE PLANS.	
COMMON PATH	IBC: 1006.2.1 NFPA 101: TABLE A7.6, 13.2	ASSEMBLY: IBC: 75' NFPA: 75' BLEACHER SEATING: ICC 300: 30'	REQUIREMENTS MET. SEE PLANS.	
DEAD END	IBC: 1020.4 NFPA 101: A7.6, 13.2.5 ICC 300: 405.6	ASSEMBLY: 20' BLEACHER AISLES: 16 ROWS	REQUIREMENTS MET. SEE PLANS.	
ACCESSIBLE MEANS OF EGRESS	IBC: 1009 NFPA: 7.5.4 NFPA: 13.2	NOT LESS THAN (2) ACCESSIBLE MEANS OF EGRESS REQUIRED NOT LESS THAN (2) ACCESSIBLE MEANS OF EGRESS REQUIRED	REQUIREMENTS MET. SEE PLANS.	
ASSEMBLY MAIN EXIT	IBC: 1029.2 NFPA: 13.2.3.6.2	MAIN EXIT TO ACCOMMODATE 1/2 OF OCCUPANT LOAD: 1569 OCC	MAIN EXIT CAN ACCOMMODATE: 680 OCC ASSEMBLY AREA IS SERVED BY (4) EQUALLY PROMINENT EXITS DIRECTLY INTO INTERIOR EXIT STAIRS DISTRIBUTED AROUND PERIMETER.	1029.2 Assembly main exit: A building, room or space used for assembly purposes that has an occupant load greater than 300 and is provided with a main exit, that main exit shall be of sufficient capacity to accommodate not less than one-half of the occupant load, but such capacity shall be not less than the total required capacity of all means of egress leading to the exit. Where the building is classified as a Group A occupancy, the main exit shall front on not less than one street or an unoccupied space of not less than 10 feet (3048 mm) in width that adjoins a street or public way. In a building, room or space used for assembly purposes where there is not a walk-in main exit or where multiple main exits are provided, each shall be permitted to be distributed around the perimeter of the building provided that the total capacity of egress is not less than 100 percent of the required capacity.

LIFE SAFETY - AREA & OCCUPANCY LEVEL 1				
NAME	AREA	FUNCTION OF SPACE	OCCUPANT LOAD FACTOR	OCCUPANTS
LEVEL 01				
ASSEMBLY, A-3				
BOOKSTORE	208 SF	MERCANTILE	60 SF	4
LOBBY	865 SF	ASSEMBLY, UNCONCENTRATED	15 SF	58
LOCKER ROOM	1923 SF	LOCKER ROOMS	50 SF	39
P.E LOCKER ROOM	469 SF	LOCKER ROOMS	50 SF	10
TICKET / CONCESSIONS	97 SF	MERCANTILE	60 SF	2
TICKETING	42 SF	MERCANTILE	60 SF	1
TRAINING ROOM	252 SF	EXERCISE ROOMS	50 SF	6
WEIGHT ROOM	2919 SF	EXERCISE ROOMS	50 SF	59
	6775 SF			179
BUSINESS, B				
OFFICES	693 SF	BUSINESS	100 SF	7
	693 SF			7
CIRCULATION / COMMON				
CIRCULATION	338 SF	(none)		
CIRCULATION	371 SF	(none)		
CIRCULATION	56 SF	(none)		
CIRCULATION	253 SF	(none)		
CIRCULATION	248 SF	(none)		
CORRIDOR	336 SF	(none)		
CORRIDOR	263 SF	(none)		
TOILETS	671 SF	(none)		
TOILETS	987 SF	(none)		
TOILETS	163 SF	(none)		
	3685 SF			0
EDUCATIONAL, E				
FILM ROOM	718 SF	EDUCATIONAL, CLASSROOM	20 SF	36
	718 SF			36
STORAGE, S-1				
FIRE PUMP	150 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	1
LAUNDRY	181 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	1
MECHANICAL	197 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	1
MECHANICAL	137 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	1
STORAGE	1016 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	4
STORAGE	165 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	1
	1846 SF			9
LEVEL 01	13718 SF			231

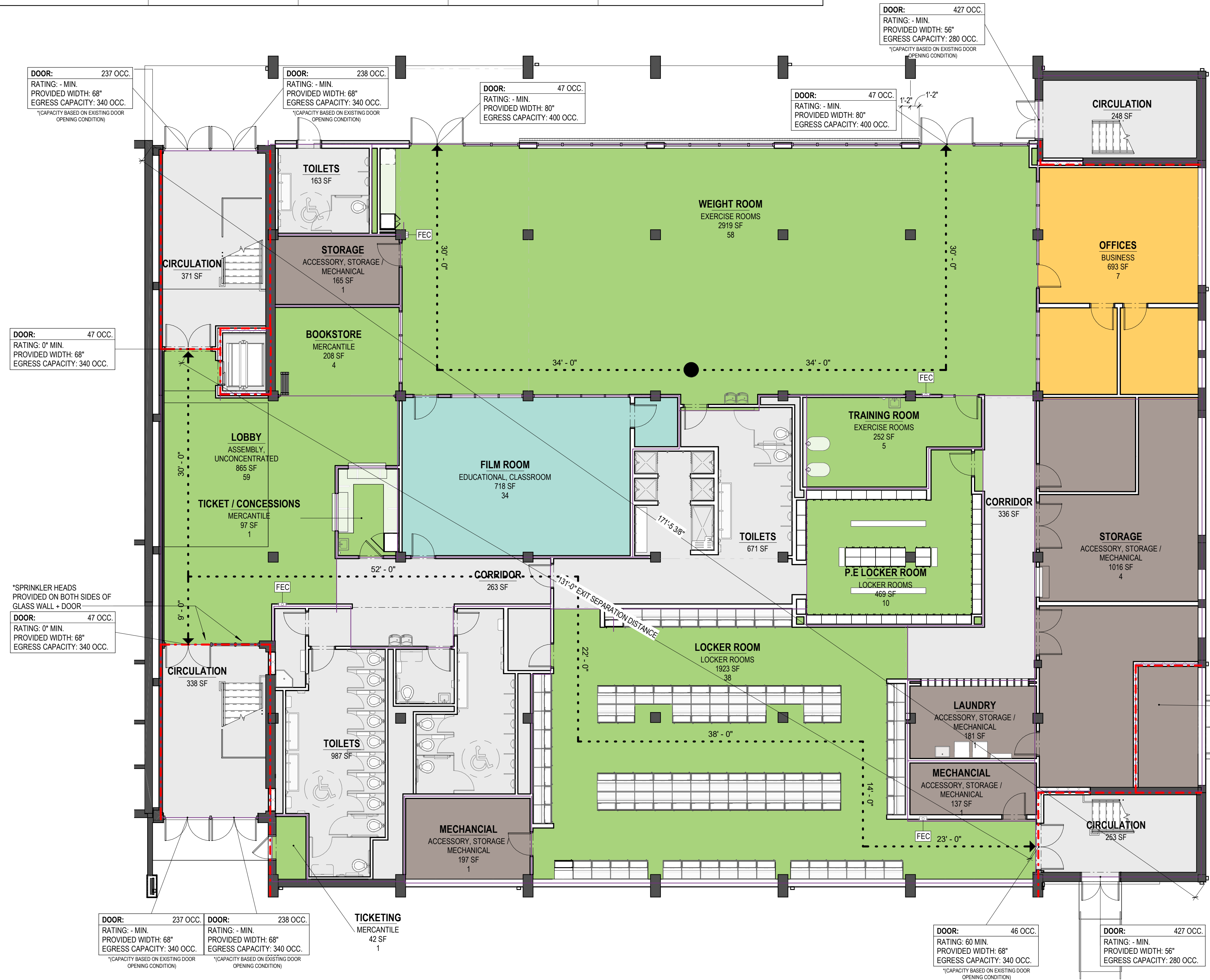
LIFE SAFETY - OCCUPANCY CLASSIFICATION LEGEND

- BUSINESS, B
- CIRCULATION / COMMON
- ASSEMBLY, A-3
- EDUCATIONAL, E
- STORAGE, S-1

NOTE:
AUTOMATIC FIRE SPRINKLER SYSTEM PROVIDED THROUGHOUT BUILDING

LIFE SAFETY SYMBOL LEGEND

- AREA TAG**
- Name
This is a sample comment FLOOR AREA
XXX OCCUPANTS
LS - Occupant Load
- STAIR TAG:**
OCCUPANT LOAD + CAPACITY
- STAIR: 0 OCC. NUMBER OF OCCUPANTS SERVED
CLEAR WIDTH: 3'-8" CLEAR WIDTH
LOAD FACTOR: 0.3 OCCUPANT LOAD FACTOR
EGRESS CAPACITY: 147 OCC. EGRESS CAPACITY
- MAJOR EGRESS DOOR TAG:**
- DOOR: XXX OCC. NUMBER OF OCCUPANTS SERVED
RATING: XX MIN. DOOR RATING
PROVIDED WIDTH: XX" CLEAR WIDTH
EGRESS CAPACITY: XXX OCC. EGRESS CAPACITY
- GENERAL EGRESS DOOR TAG:**
- XXX OCC. EGRESS CAPACITY
XX DOOR RATING
- 1HR RATED WALL
 - 2HR RATED WALL
 - 3HR RATED WALL
 - EGRESS DISTANCE
 - EGRESS PATH
 - FIRE EXTINGUISHER CABINET (SURFACE MOUNTED) W/ FIRE EXTINGUISHER
 - FIRE EXTINGUISHER CABINET (RECESSED) W/ FIRE EXTINGUISHER
 - FIRE EXTINGUISHER



1 LEVEL 01
LS1.01 SCALE: 1/8" = 1'-0"

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CONTRACTOR
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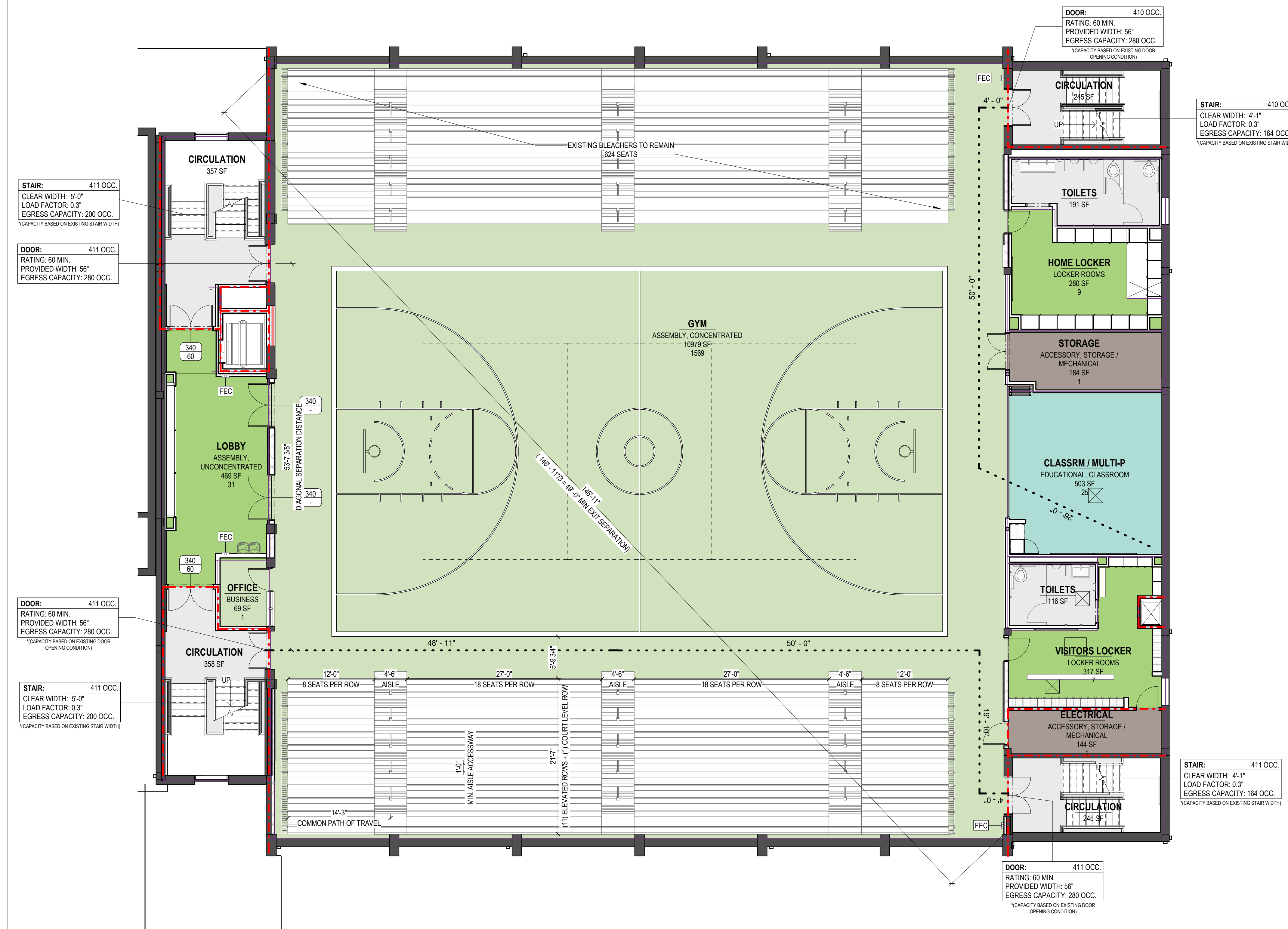
REVISION # DESCRIPTION DATE

MEANS OF EGRESS				
	CITATION	ALLOWED/REQUIRED	PROVIDED	COMMENTS
EGRESS WIDTH	IBC: CHAPTER 10 NFPA 101: 7.2.1.2.3.2	STAIRS: 3"/OCC, MINIMUM 44" DOORS: 2"/OCC, MINIMUM 32" CORRIDORS: 2"/OCC, MINIMUM 72"	REQUIREMENTS MET AT NEW CONSTRUCTION AREAS SEE PLANS: EXISTING EGRESS STAIR CAPACITY TO REMAIN.	IECC 804.2, EXCEPTION 2: MEANS OF EGRESS COMPLYING WITH THE REQUIREMENTS OF THE BUILDING CODE UNDER WHICH THE BUILDING WAS CONSTRUCTED SHALL BE CONSIDERED TO BE COMPLIANT MEANS OF EGRESS IF, IN THE OPINION OF THE CODE OFFICIAL, THEY DO NOT CONSTITUTE A DISTINCT HAZARD TO LIFE.
EXIT SEPARATION	IBC: 1007.1.1 NFPA 101: TABLE A.8.2.1.2	THE SEPARATION DISTANCE SHALL BE NOT LESS THAN 1/3 OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED.	REQUIREMENTS MET. SEE PLANS.	
TRAVEL DISTANCE	IBC: 1017.2 NFPA 101: TABLE A7.6	ASSEMBLY: IBC: 250' NFPA: 250'	REQUIREMENTS MET. SEE PLANS.	
COMMON PATH	IBC: 1006.2.1 NFPA 101: TABLE A7.6, 13.2	ASSEMBLY: IBC: 75' NFPA: 75' BLEACHER SEATING: ICC 300: 30'	REQUIREMENTS MET. SEE PLANS.	
DEAD END	IBC: 1020.4 NFPA 101: A7.6, 13.2.5 ICC 300: 405.6	ASSEMBLY: 20' BLEACHER AISLES: 16 ROWS	REQUIREMENTS MET. SEE PLANS.	
ACCESSIBLE MEANS OF EGRESS	IBC: 1009 NFPA: 7.5.4 NFPA: 13.2	NOT LESS THAN (2) ACCESSIBLE MEANS OF EGRESS REQUIRED NOT LESS THAN (2) ACCESSIBLE MEANS OF EGRESS REQUIRED	REQUIREMENTS MET. SEE PLANS.	
ASSEMBLY MAIN EXIT	IBC: 1029.2 NFPA: 13.2.3.6.2	MAIN EXIT TO ACCOMMODATE 1/2 OF OCCUPANT LOAD: 1569 OCC	MAIN EXIT CAN ACCOMMODATE: 680 OCC ASSEMBLY AREA IS SERVED BY (4) EQUALLY PROMINENT EXITS DIRECTLY INTO INTERIOR EXIT STAIRS DISTRIBUTED AROUND PERIMETER.	1029.2 Assembly main exit: A building, room or space used for assembly purposes that has an occupant load of greater than 300 and is provided with a main exit, that main exit shall be of sufficient capacity to accommodate not less than one-half of the occupant load, but such capacity shall be not less than the total required capacity of all means of egress leading to the exit. Where the building is classified as a Group A occupancy, the main exit shall front on not less than one street or an unoccupied space of not less than 10 feet (3048 mm) in width that adjoins a street or public way. In a building, room or space used for assembly purposes where there is not a well-defined main exit or where multiple main exits are provided, each shall be permitted to be distributed around the perimeter of the building provided that the total capacity of egress is not less than 100 percent of the required capacity.

LIFE SAFETY - AREA & OCCUPANCY LEVEL 2				
NAME	AREA	FUNCTION OF SPACE	OCCUPANT LOAD FACTOR	OCCUPANTS
LEVEL 02				
ASSEMBLY, A-3				
HOME LOCKER	280 SF	LOCKER ROOMS	50 SF	6
LOBBY	469 SF	ASSEMBLY, UNCONCENTRATED	15 SF	32
VISITORS LOCKER	317 SF	LOCKER ROOMS	50 SF	7
	1066 SF			45
ASSEMBLY, A-4				
GYM	10979 SF	ASSEMBLY, CONCENTRATED	7 SF	1569
OFFICE	69 SF	BUSINESS	100 SF	1
	11048 SF			1570
CIRCULATION / COMMON				
CIRCULATION	245 SF	(none)		
CIRCULATION	245 SF	(none)		
CIRCULATION	357 SF	(none)		
CIRCULATION	358 SF	(none)		
TOILETS	116 SF	(none)		
TOILETS	191 SF	(none)		
	1513 SF			0
EDUCATIONAL, E				
CLASSRM / MULTI-P	503 SF	EDUCATIONAL, CLASSROOM	20 SF	26
	503 SF			26
STORAGE, S-1				
ELECTRICAL	144 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	1
STORAGE	184 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	1
	328 SF			2
LEVEL 02	14458 SF			1643

LIFE SAFETY - OCCUPANCY CLASSIFICATION LEGEND

- CIRCULATION / COMMON
- ASSEMBLY, A-3
- ASSEMBLY, A-4
- EDUCATIONAL, E
- STORAGE, S-1



STAIR: 410 OCC.
CLEAR WIDTH: 4'-1"
LOAD FACTOR: 0.3"
EGRESS CAPACITY: 164 OCC.
*CAPACITY BASED ON EXISTING STAIR WIDTH

STAIR: 411 OCC.
CLEAR WIDTH: 4'-1"
LOAD FACTOR: 0.3"
EGRESS CAPACITY: 164 OCC.
*CAPACITY BASED ON EXISTING STAIR WIDTH

NOTE:
AUTOMATIC FIRE SPRINKLER SYSTEM PROVIDED THROUGHOUT BUILDING

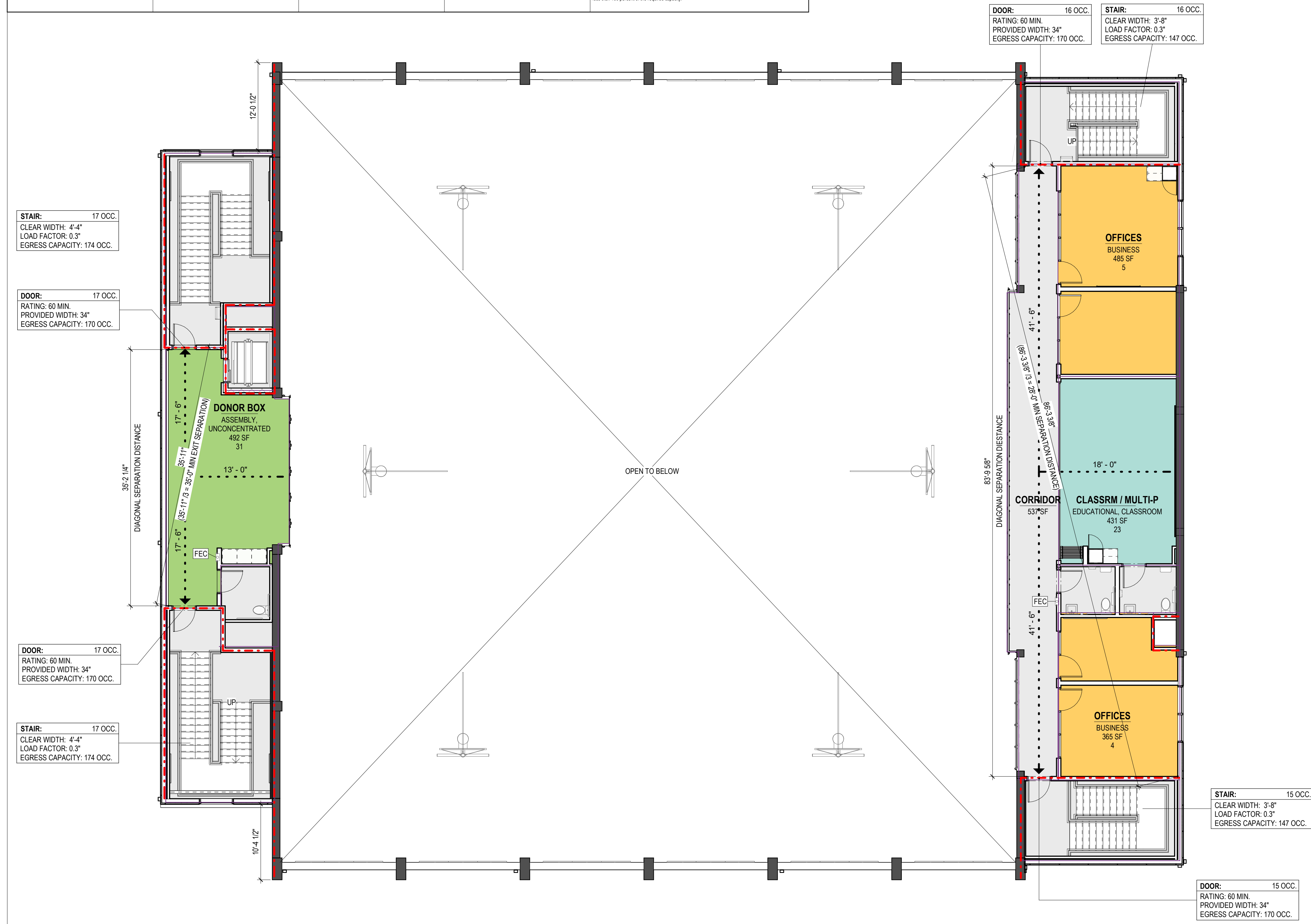
LIFE SAFETY SYMBOL LEGEND

- AREA TAG**
Name
This is a sample comment
XXX
LS - Occupant Load
- STAIR TAG:**
OCCUPANT LOAD + CAPACITY
STAIR: 0 OCC. NUMBER OF OCCUPANTS SERVED
CLEAR WIDTH: 3'-8" CLEAR WIDTH
LOAD FACTOR: 0.3" OCCUPANT LOAD FACTOR
EGRESS CAPACITY: 147 OCC. EGRESS CAPACITY
- MAJOR EGRESS DOOR TAG:**
DOOR: XXX OCC. NUMBER OF OCCUPANTS SERVED
RATING: XX MIN. DOOR RATING
PROVIDED WIDTH: XX" CLEAR WIDTH
EGRESS CAPACITY: XXX OCC. EGRESS CAPACITY
- GENERAL EGRESS DOOR TAG:**
XXX OCC. EGRESS CAPACITY
XX DOOR RATING
- 1HR RATED WALL
 - 2HR RATED WALL
 - 3HR RATED WALL
 - EGRESS DISTANCE
 - EGRESS PATH
 - FIRE EXTINGUISHER CABINET (SURFACE MOUNTED) W/ FIRE EXTINGUISHER
 - FIRE EXTINGUISHER CABINET (RECESSED) W/ FIRE EXTINGUISHER
 - FIRE EXTINGUISHER



MEANS OF EGRESS				
	CITATION	ALLOWED/REQUIRED	PROVIDED	COMMENTS
EGRESS WIDTH	IBC: CHAPTER 10 NFPA 101: 7.2.1.2.3.2	STAIRS: DOORS: CORRIDORS:	3"/OCC, MINIMUM 44" 2"/OCC, MINIMUM 32" 2"/OCC, MINIMUM 72"	REQUIREMENTS MET AT NEW CONSTRUCTION AREAS SEE PLANS: EXISTING EGRESS STAIR CAPACITY TO REMAIN.
EXIT SEPARATION	IBC: 1007.1.1 NFPA 101: TABLE A.8.2.1.2			THE SEPARATION DISTANCE SHALL BE NOT LESS THAN 1/3 OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED.
TRAVEL DISTANCE	IBC: 1017.2 NFPA 101: TABLE A7.6	ASSEMBLY: IBC: NFPA:	250' 250'	REQUIREMENTS MET. SEE PLANS.
COMMON PATH	IBC: 1006.2.1 NFPA 101: TABLE A7.6, 13.2	ASSEMBLY: BLEACHER SEATING:	IBC: 75' NFPA 75' ICC 300: 30'	REQUIREMENTS MET. SEE PLANS.
DEAD END	IBC: 1020.4 NFPA 101: A7.6, 13.2.5 ICC 300: 405.6	ASSEMBLY: BLEACHER AISLES:	20' 16 ROWS	REQUIREMENTS MET. SEE PLANS.
ACCESSIBLE MEANS OF EGRESS	IBC: 1009 NFPA: 7.5.4 NFPA: 13.2			NOT LESS THAN (2) ACCESSIBLE MEANS OF EGRESS REQUIRED NOT LESS THAN (2) ACCESSIBLE MEANS OF EGRESS REQUIRED
ASSEMBLY MAIN EXIT	IBC: 1029.2 NFPA: 13.2.3.6.2	MAIN EXIT TO ACCOMMODATE 1/2 OF OCCUPANT LOAD: 1569 OCC	MAIN EXIT CAN ACCOMMODATE: 680 OCC	1029.2 Assembly main exit: A building, room or space used for assembly purposes that has an occupant load greater than 300 and is provided with a main exit, that main exit shall be of sufficient capacity to accommodate not less than one-half of the occupant load, but such capacity shall be not less than the total required capacity of all means of egress leading to the exit. Where the building is classified as a Group A occupancy, the main exit shall front on not less than one street or an unoccupied space of not less than 10 feet (3048 mm) in width that adjoins a street or public way. In a building, room or space used for assembly purposes where there is not a walk-out main exit or where multiple main exits are provided, each shall be permitted to be distributed around the perimeter of the building provided that the total capacity of egress is not less than 100 percent of the required capacity.

LIFE SAFETY - AREA & OCCUPANCY MEZZ LEVEL				
NAME	AREA	FUNCTION OF SPACE	OCCUPANT LOAD FACTOR	OCCUPANTS
MEZZANINE				
ASSEMBLY, A-3	492 SF	ASSEMBLY, UNCONCENTRATED	15 SF	33
	492 SF			33
BUSINESS, B				
OFFICES	485 SF	BUSINESS	100 SF	5
OFFICES	365 SF	BUSINESS	100 SF	4
	851 SF			9
CIRCULATION / COMMON				
CIRCULATION	242 SF	(none)		
CIRCULATION	246 SF	(none)		
CIRCULATION	365 SF	(none)		
CIRCULATION	77 SF	(none)		
CIRCULATION	359 SF	(none)		
CORRIDOR	537 SF	(none)		
RESTROOM	88 SF	(none)		
RESTROOMS	108 SF	(none)		
	2024 SF			0
EDUCATIONAL, E				
CLASSRM / MULTI-P	431 SF	EDUCATIONAL, CLASSROOM	20 SF	22
	431 SF			22
MEZZANINE	3798 SF			64



LIFE SAFETY - OCCUPANCY CLASSIFICATION LEGEND

- BUSINESS, B
- CIRCULATION / COMMON
- ASSEMBLY, A-3
- EDUCATIONAL, E

NOTE:
AUTOMATIC FIRE SPRINKLER SYSTEM PROVIDED THROUGHOUT BUILDING

LIFE SAFETY SYMBOL LEGEND

AREA TAG
Name
This is a sample comment FLOOR AREA
XXX OCCUPANTS
LS - Occupant Load

STAIR TAG:
OCCUPANT LOAD + CAPACITY
STAIR: 0 OCC. NUMBER OF OCCUPANTS SERVED
CLEAR WIDTH: 3'-8" CLEAR WIDTH
LOAD FACTOR: 0.3" OCCUPANT LOAD FACTOR
EGRESS CAPACITY: 147 OCC. EGRESS CAPACITY

MAJOR EGRESS DOOR TAG:
DOOR: XXX OCC. NUMBER OF OCCUPANTS SERVED
RATING: XX MIN. DOOR RATING
PROVIDED WIDTH: XX" CLEAR WIDTH
EGRESS CAPACITY: XXX OCC. EGRESS CAPACITY

GENERAL EGRESS DOOR TAG:
XXX OCC. EGRESS CAPACITY
XX DOOR RATING

1HR RATED WALL
2HR RATED WALL
3HR RATED WALL

5'-4" EGRESS DISTANCE
EGRESS PATH
FIRE EXTINGUISHER CABINET (SURFACE MOUNTED) W/ FIRE EXTINGUISHER
FIRE EXTINGUISHER CABINET (RECESSED) W/ FIRE EXTINGUISHER
FIRE EXTINGUISHER