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208 Pirkle Ferry Road | Suite C  
Cumming, GA 30040



**ROCKDALE COUNTY JAIL  
RENOVATIONS -  
MENTAL HEALTH WARD**  
ROCKDALE COUNTY  
911 CHAMBERS DR., NW  
CONVERS, GA

**PRINT RECORD**

No.	DATE	DESCRIPTION

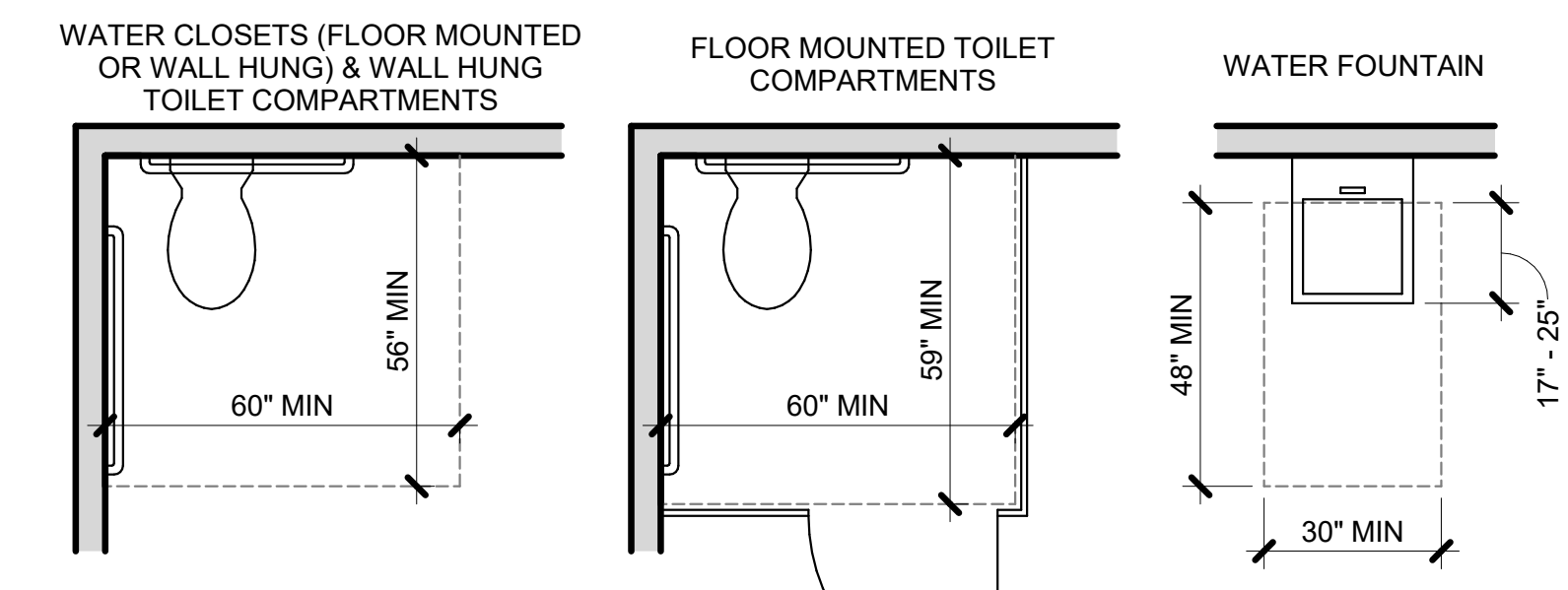
**Drawn By** CSB **Checked By** WR  
**Date** 07.08.22 **Job No.** 21074

**Sheet Title**  
**ADA REGULATORY  
DETAILS &  
DIAGRAMS**

**Sheet No.**

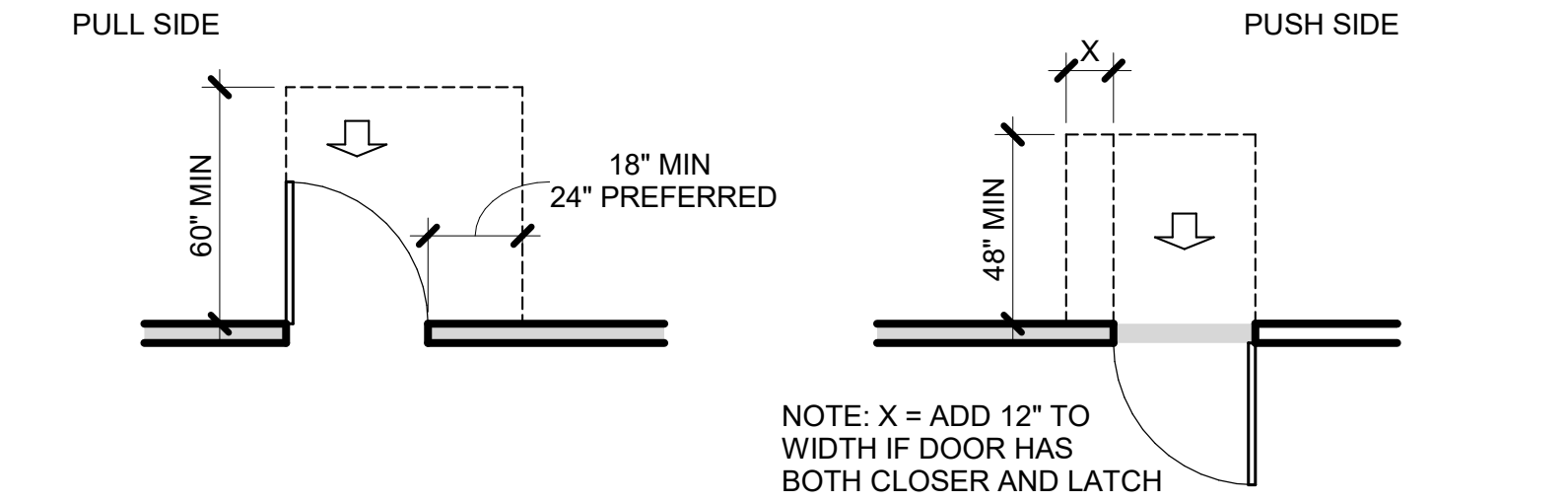
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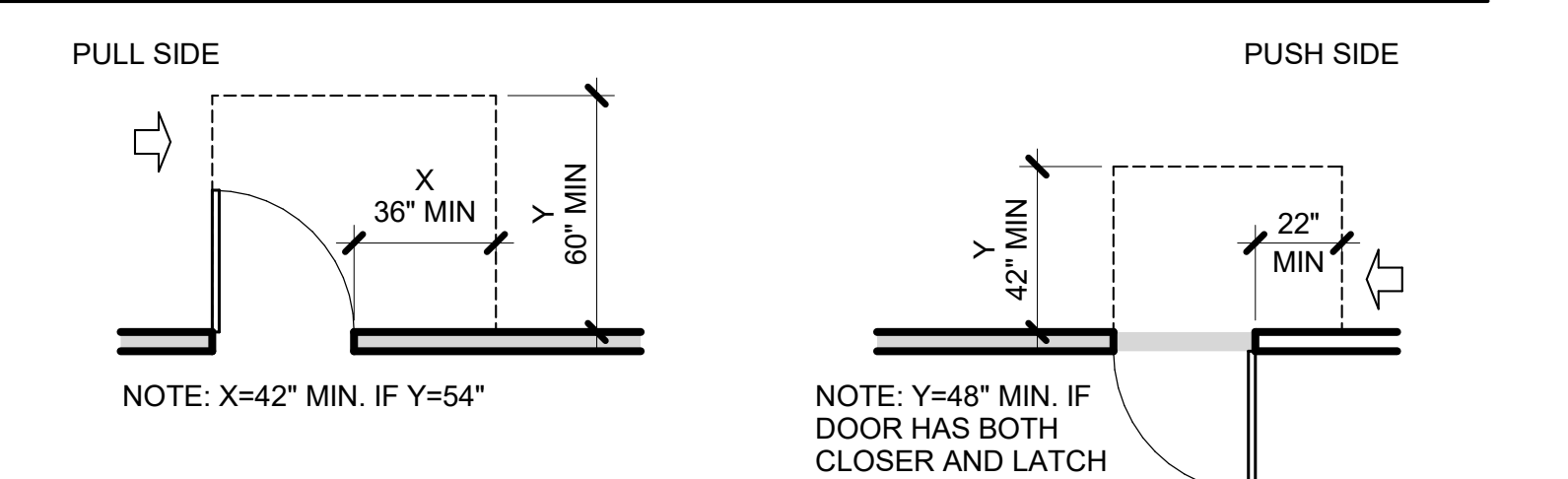


**E5 ADA CLEARANCES**  
SCALE: 3/8" = 1'-0"

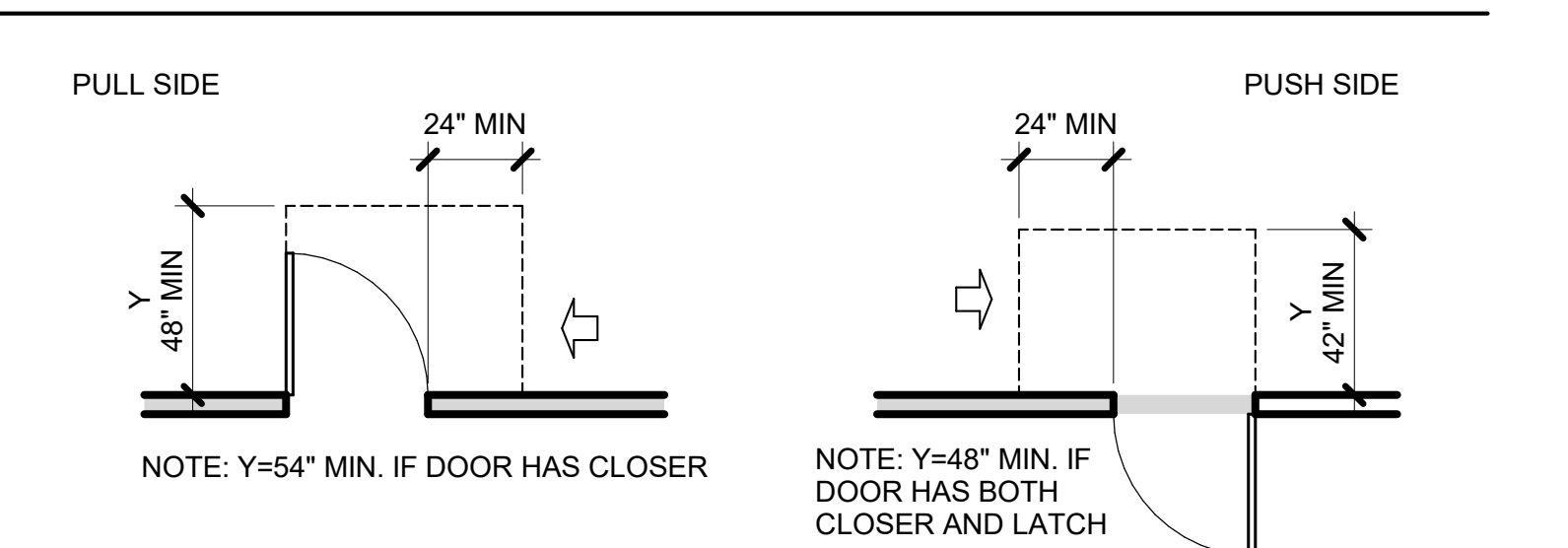
**FRONT APPROACH**



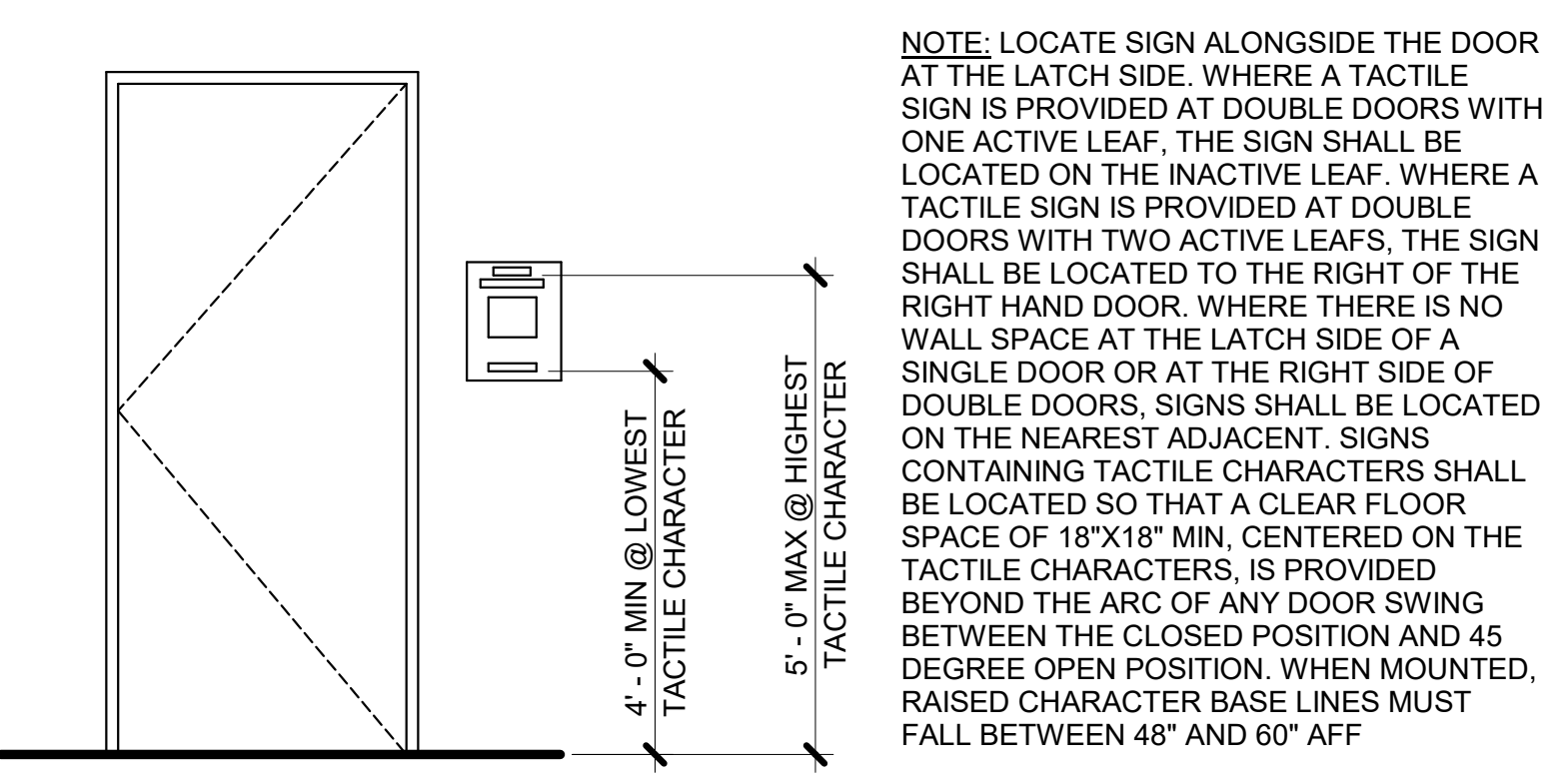
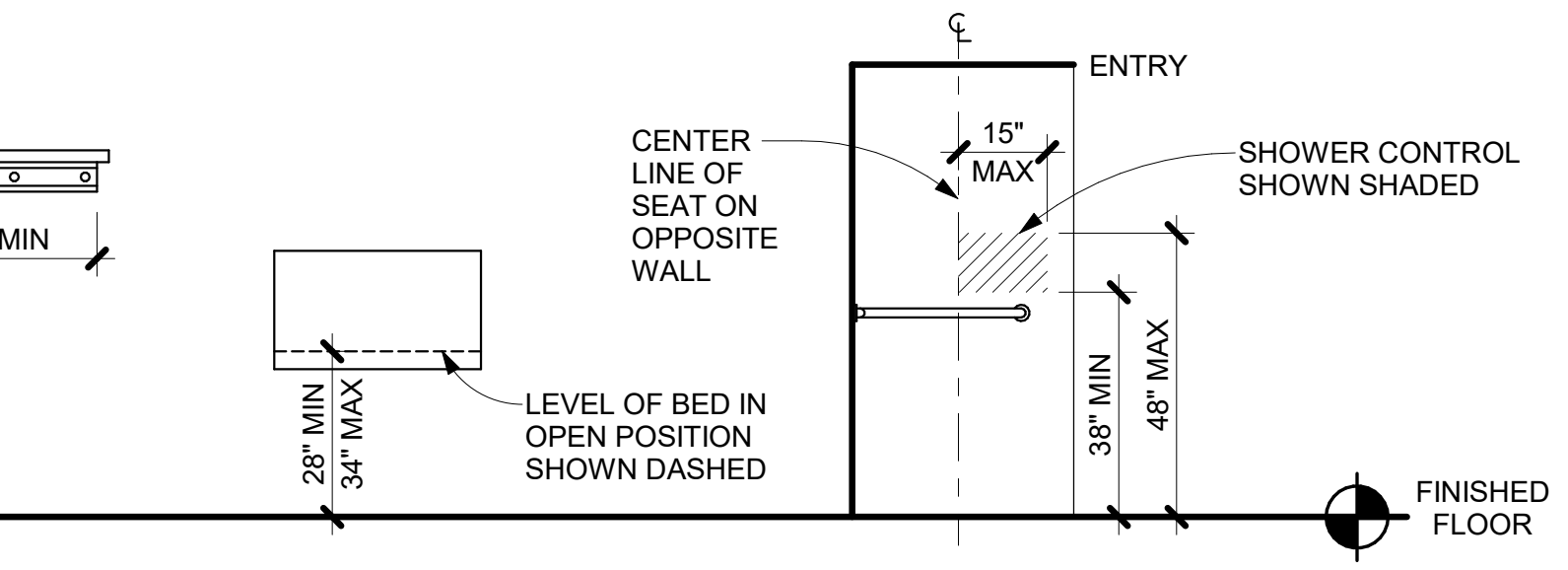
**HINGE-SIDE APPROACH**



**LATCH-SIDE APPROACH**

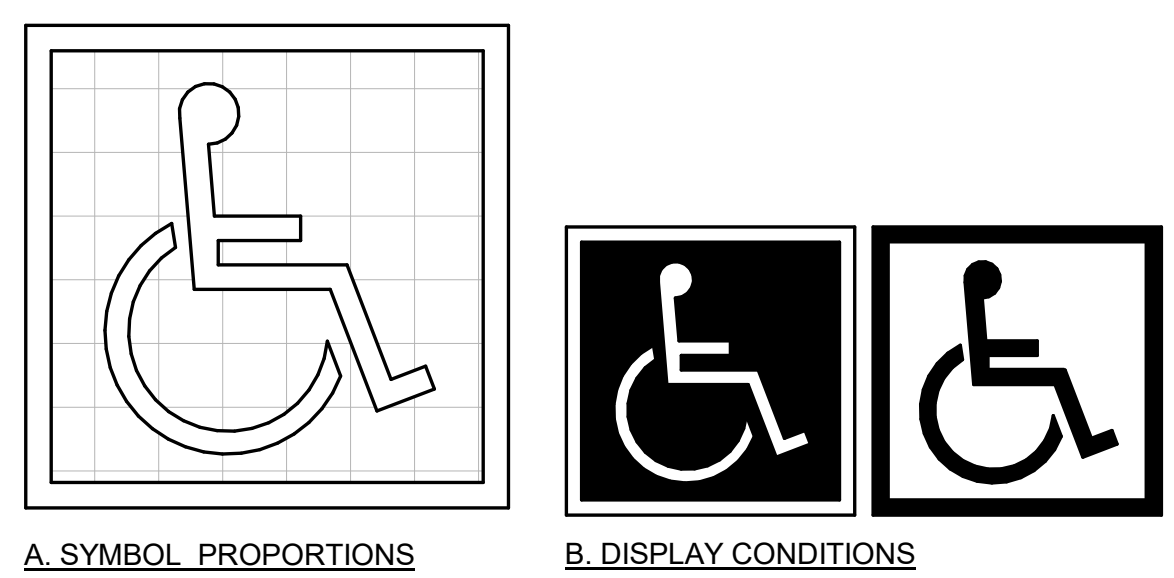


**B5 DOOR CLEARANCES**  
SCALE: 1/4" = 1'-0"



**D3 SIGNAGE MOUNTING REQMTS**  
SCALE: 1/2" = 1'-0"

NOTE: LOCATE SIGN ALONGSIDE THE DOOR AT THE LATCH SIDE, WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF, WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR, WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALLS. CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18"x18" MIN, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION. WHEN MOUNTED, RAISED CHARACTER BASE LINES MUST FALL BETWEEN 48" AND 60" AFF

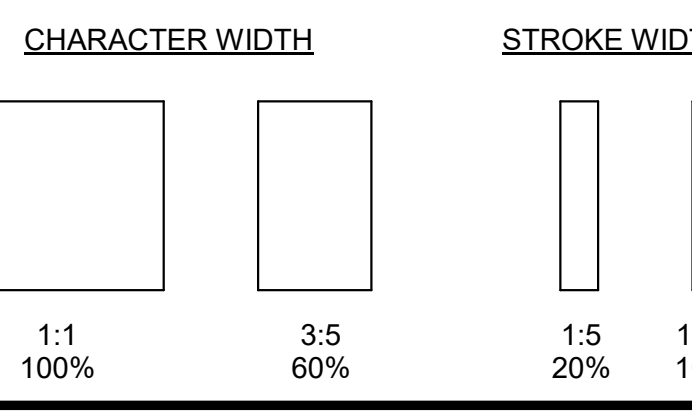


**A. SYMBOL PROPORTIONS**  
**B. DISPLAY CONDITIONS**

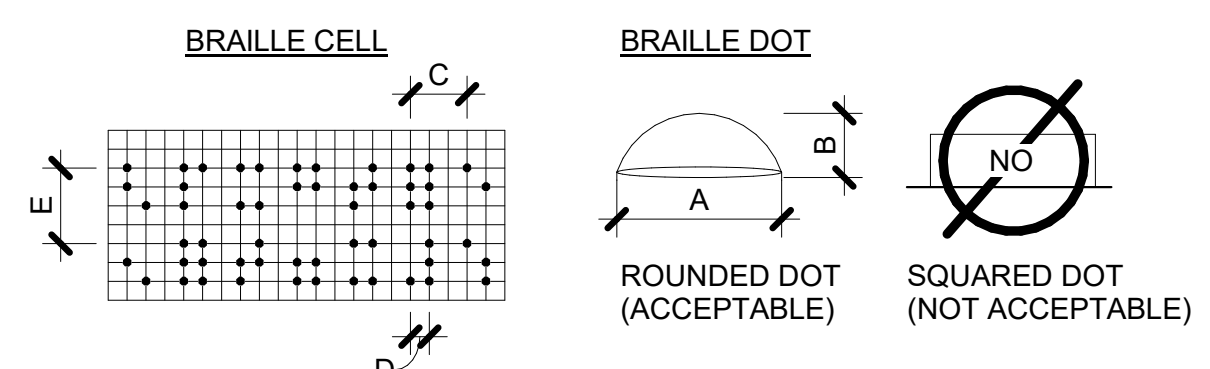
NOTE:  
SYMBOL SIZE SHALL BE AS SCHEDULED IN SIGN LAYOUT DIAGRAMS. STROKE WIDTH TO HEIGHT RATIO SHALL BE BETWEEN 1:5 & 1:10.  
SIGN LETTERS/ NUMBERS WIDTH TO HEIGHT RATIO SHALL BE BETWEEN 1:5 & 1:10.

**INTERNATIONAL ACCESSIBILITY SYMBOL**  
SCALE: 12" = 1'-0"

**TEMPLATE FOR CHECKING CHARACTER AND STROKE WIDTH TO HEIGHT PROPORTIONS**



MEASUREMENT RANGE	MIN - MAX
A: DOT BASE DIAMETER	0.059" - 0.063"
B: DOT HEIGHT	0.025" - 0.037"
C: DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS	0.241" - 0.300"
D: DISTANCE BETWEEN DOTS IN THE SAME CELL	0.090" - 0.100"
E: DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW	0.395" - 0.400"



**D1 DIRECTIONAL WALL SYMBOLS**  
NOT TO SCALE

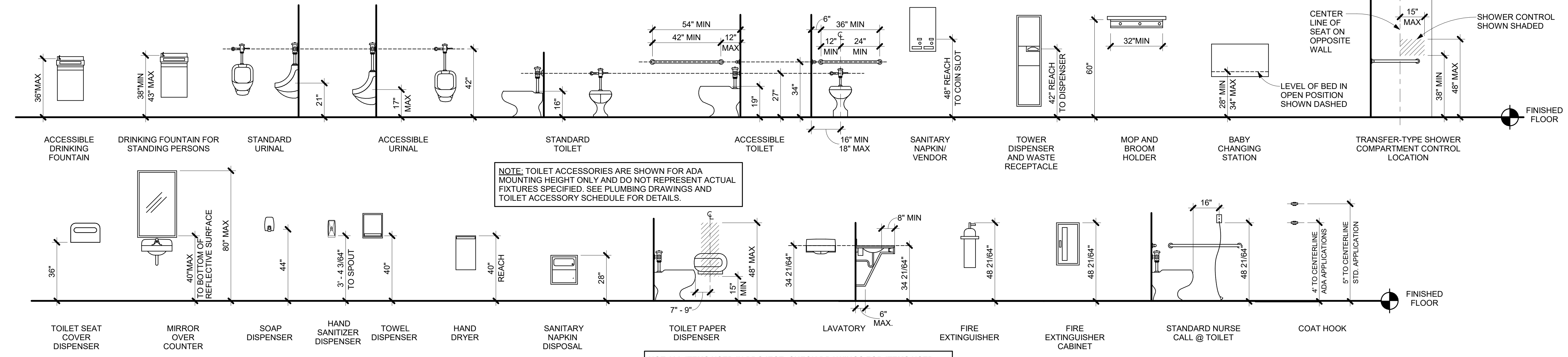
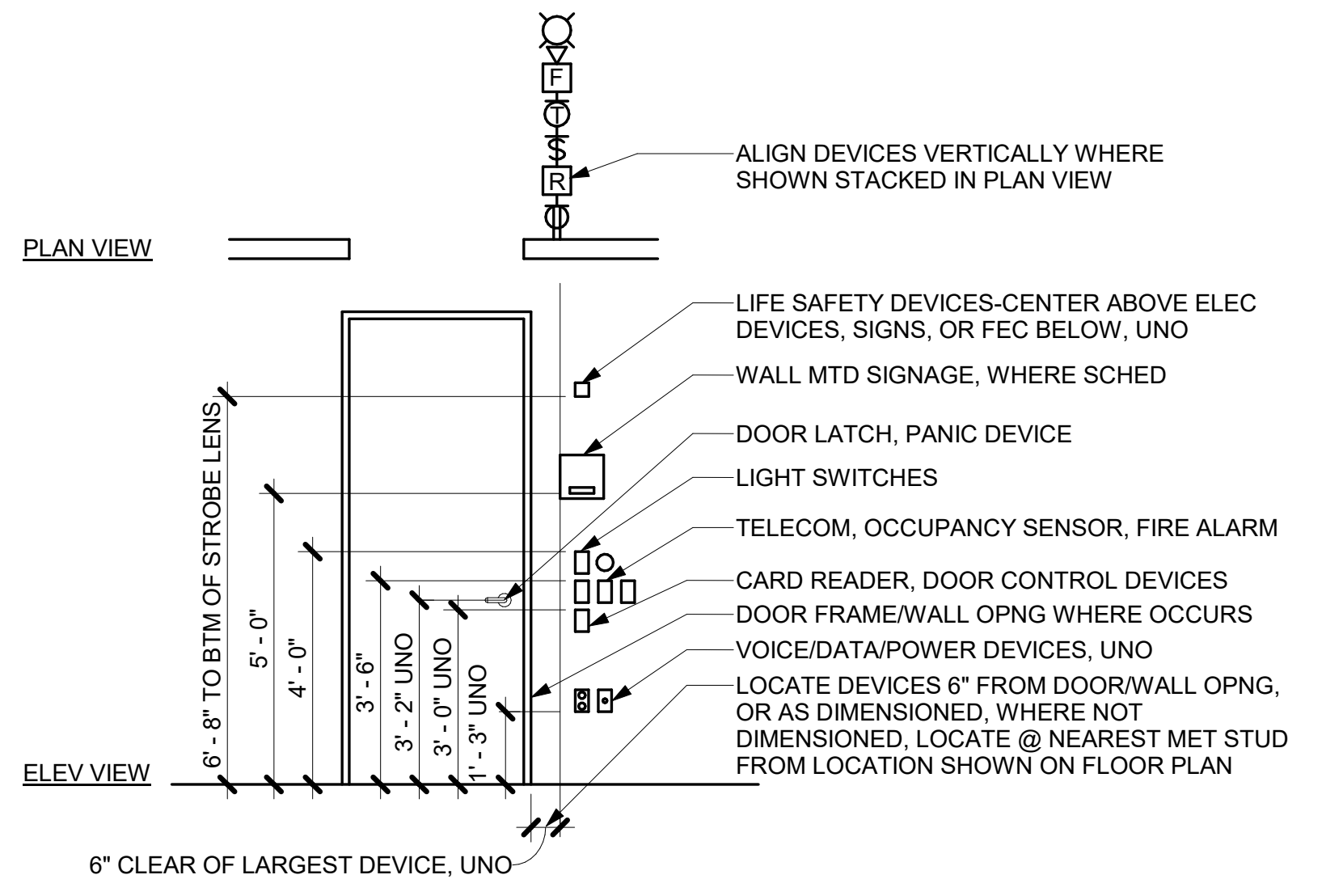
- CHARACTER TYPE: CHARACTERS ON SIGNS SHALL BE RAISED 1/32" MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE II BRAILLE.
- CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8" (15.9mm) AND A MAXIMUM OF 2" (51mm) HIGH.
- FINISH AND CONTRAST: CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND MUST BE 70% MINIMUM AND HAVE A NON-GLARE FINISH.
- PROPORTIONS: CHARACTERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO OF BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO OF BETWEEN 1:5 AND 1:10.

ALL LETTERS MEASURED MUST BE UPPERCASE. AFTER CHOOSING A TYPESTYLE TO TEST, BEGIN BY PRINTING THE LETTERS I, X AND O AT 1 INCH HIGH. PLACE THE TEMPLATE'S 1:1 SQUARE OVER THE X OR O WHICHEVER IS NARROWER. IF THE CHARACTER IS NOT SMALLER THAN 1 INCH, NOR NARROWER THAN THE 3:5 RECTANGLE TO DETERMINE IF THE STROKE OF THE I IS TOO BROAD, AND THE 1:10 RECTANGLE TO SEE IF IT IS TOO NARROW. IF ALL THE TESTS ARE PASSED, THE TYPESTYLE IS COMPLIANT WITH PROPORTION CODE.

5. BRAILLE: GRADE II BRAILLE SHALL BE USED WHENEVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. SEE CHART FOR DIMENSIONS.

**B1 BRAILLE REQUIREMENTS**  
SCALE: 12" = 1'-0"

**B3 DEVICE ALIGNMENT DIAGRAM**  
SCALE: 3/8" = 1'-0"



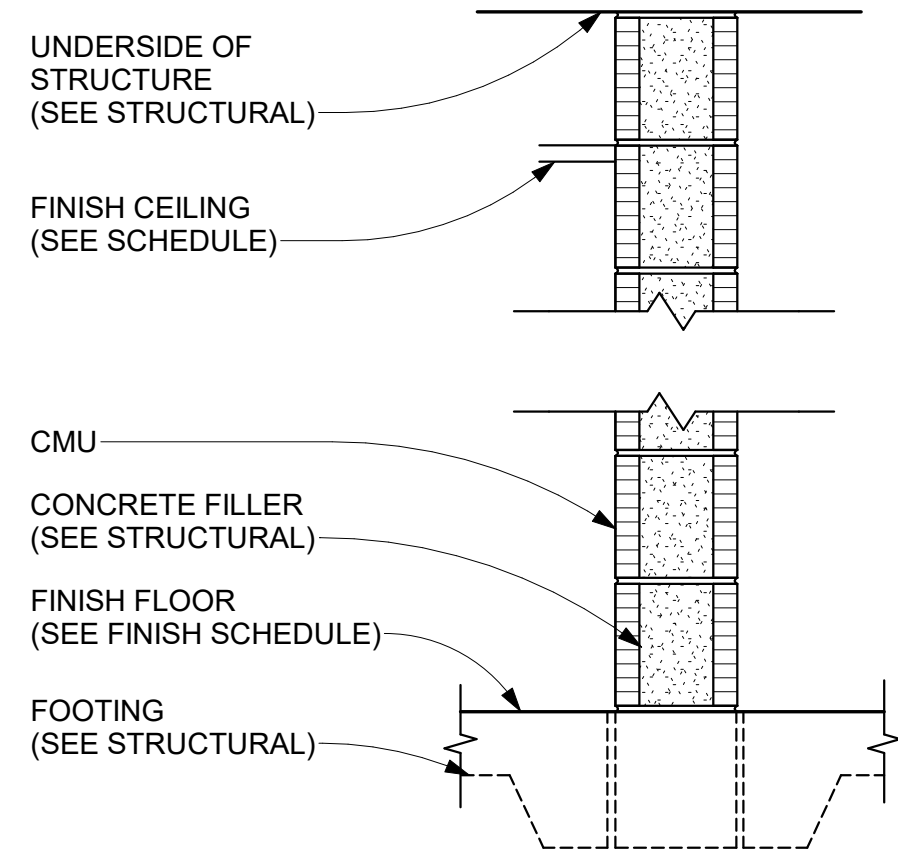
**A1 MOUNTING HEIGHTS**  
SCALE: 3/8" = 1'-0"

NOT ALL ITEMS USED IN PROJECT - CHECK DRAWINGS FOR ITEMS USED

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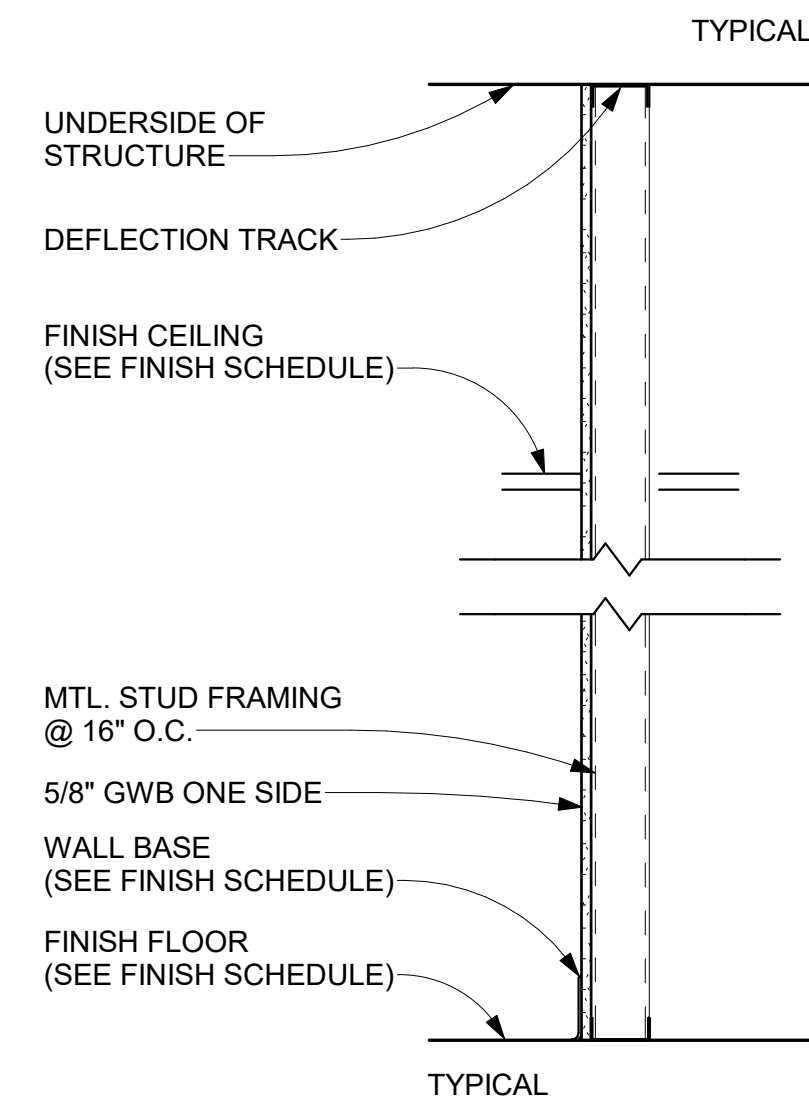
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BIM 360://21074 ROCO Mental Health Unit/21074 ROCO\_CENTRAL\_21\_M



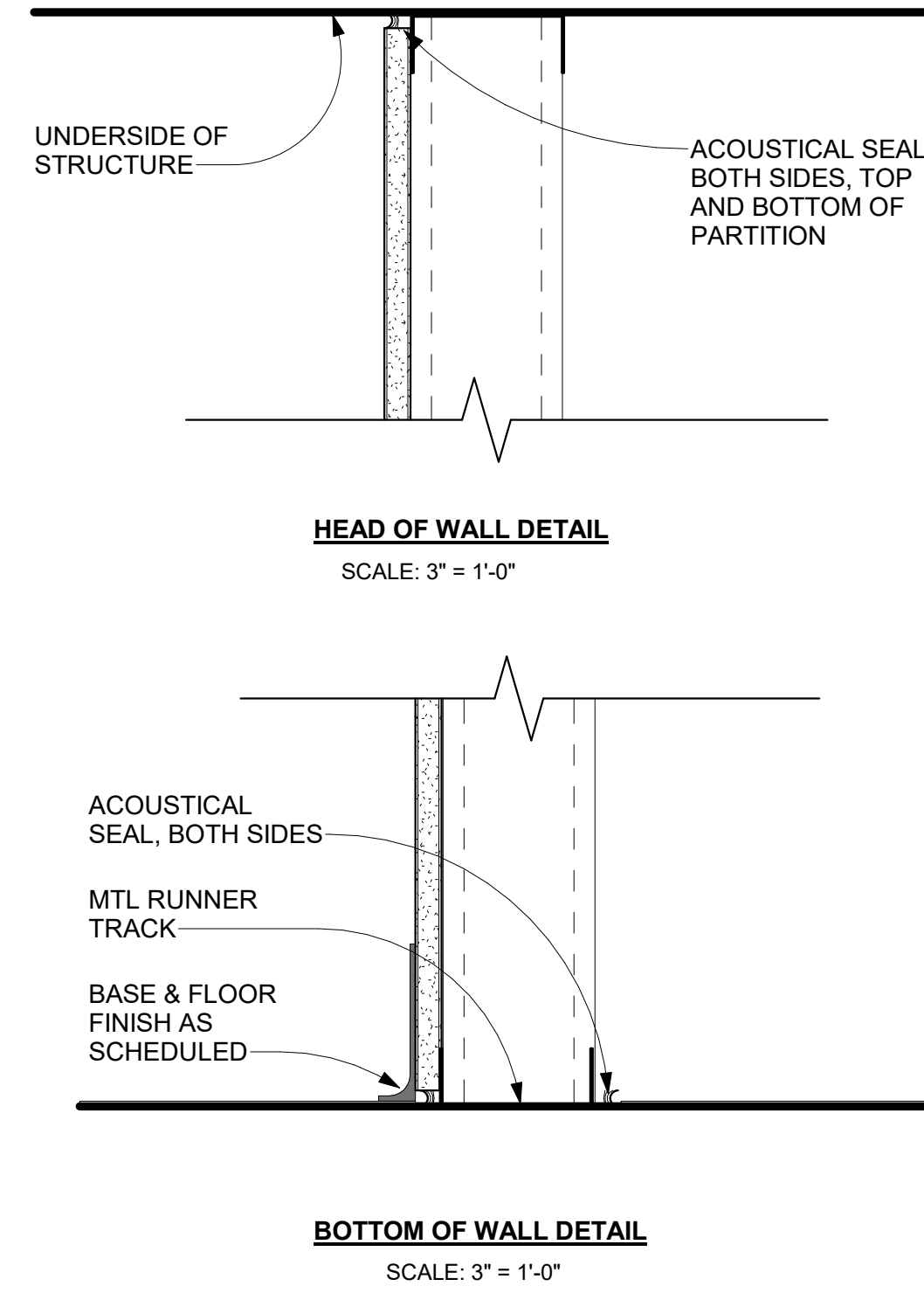
CMU TO UNDERSIDE OF STRUCTURE				
WALL TYPE	DESCRIPTION	FIRE RATING	U.L. #	STC
M0	8" CMU	N/A	N/A	N/A
M1	8" CMU	1 HR	U905	N/A
M2	8" CMU	2 HR	U905	N/A
M4	4" SOLID CMU	N/A	N/A	N/A

2 WALL TYPE- M  
1" = 1'-0"



MTL. STUD PARTITION - TO UNDESIDE OF STRUCTURE					
WALL TYPE	DESCRIPTION	FIRE RATING	U.L. #	STC	
C3	3 5/8" MTL. STUD	N/A	N/A	N/A	N/A
C6	6" MTL. STUD	N/A	N/A	N/A	N/A

3 WALL TYPE C6  
1" = 1'-0"



4 WALL DETAILS  
3" = 1'-0"

**GENERAL PARTITION NOTES**

- STUD DESIGN CRITERIA: ALL INTERIOR, NON-LOAD BEARING METAL STUDS SHALL BE 20 GAUGE (MIN.) UNLESS OTHERWISE NOTED. PROVIDE 5 PSF MIN. APPLIED LATERAL LOAD, L/240 MAX. DEFLECTION.
- ALL FIRE RATED PARTITIONS MUST EXTEND AND SEAL TO STRUCTURE ABOVE.
- INSTALLATION OF GYPSUM BOARD, BACKER BOARD AND BASE BOARD SHALL CONFORM TO REQUIREMENTS FOR FIRE RATINGS AND ACOUSTICAL RATINGS.
- PROVIDE WATER RESISTANT TYPE GYPSUM BOARD AT AREAS THAT ARE NOTED IN ROOM FINISH SCHEDULE TO RECEIVE CERAMIC OR PORCELAIN TILE FINISH INCLUDING RESTROOMS.
- PROVIDE 5/8" GYPSUM BOARD UNLESS OTHERWISE NOTED.
- PROVIDE 5/8" TYPE X GYPSUM BOARD AT FIRE RATED PARTITIONS.
- METAL STUD GAUGE (IF NOTED) AND UL TEST NUMBERS WILL VARY DEPENDING ON THE MANUFACTURER OF COMPONENTS ACTUALLY USED.
- PENETRATIONS IN RATED PARTITIONS AND CONNECTIONS OF THE PARTITIONS TO OTHER PORTIONS OF THE WORK SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED DETAILS AND IN COMPLIANCE WITH APPLICABLE TESTING AGENCY REQUIREMENTS.
- INSTALL BLOCKING OR BACKER MATERIAL FOR ATTACHMENT / MOUNTING OF WALL HUNG ITEMS, ACCESSORIES, FIXTURES, FURNITURE OR EQUIPMENT DESCRIBED IN THE DOCUMENTS. PROVIDE BLOCKING TO MATCH THE OVERALL HEIGHT AND WIDTH OF ALL WALL MOUNTED MONITORS AND TVs.
- WHEN INSTALLING GYPSUM BOARD, CONTRACTOR SHALL COMPLY WITH REQUIREMENTS OF THE MOST CURRENT EDITION OF THE GYPSUM ASSOCIATION "GA-600" FIRE RESISTANCE DESIGN MANUAL AND THE MOST CURRENT EDITION OF THE UL FIRE RESISTANCE DIRECTORY.
- PARTITIONS THAT ARE REQUIRED TO EXTEND TO THE DECK ABOVE SHALL HAVE THE GYPSUM BOARD CUT TO FIT WITHIN A 1/4" MAXIMUM TOLERANCE TO THE SHAPE OF THE DECK ABOVE. GYPSUM BOARD SHALL BE CONTINUOUSLY SEALED FOR THE FULL DEPTH OF THE GYPSUM BOARD WITH FLEXIBLE SEALANT.
- GYPSUM BOARD SHALL BE CUT SO THAT THE CLEARANCE BETWEEN METALLIC ELECTRICAL OUTLET BOXES AND THE GYPSUM BOARD DOES NOT EXCEED 1/8".
- THE BOTTOM OF THE GYPSUM BOARD AT INTERIOR PARTITIONS SHALL BE 1/4" MINIMUM AND 1/2" MAXIMUM ABOVE THE CONCRETE FLOOR SLAB AND SHALL BE SEALED FOR THE FULL DEPTH OF THE GYPSUM BOARD WITH FLEXIBLE SEALANT.
- REFER TO THE LIFE SAFETY FLOOR PLANS FOR EXTENT OF FIRE WALL RATINGS.
- ALL ELEMENTS OF ACOUSTIC RATED PARTITIONS SHALL EXTEND TO ROOF STRUCTURE OR FLOOR DECK ABOVE.
- PARTITION TYPES DESCRIBE GENERAL REQUIREMENTS FOR PARTITIONS. REFER TO THE MANUFACTURER'S SPECIFICATIONS AND REQUIREMENTS OF APPLICABLE TESTING AGENCIES FOR SPECIFICS OF PARTITION CONSTRUCTION.
- WHERE A CLEAR DIMENSION OR OPENING IS REQUIRED OR NOTED, MEASURE DIMENSION TO FACE OF PARTITION FINISH.
- REFER TO INTERIOR FINISH SCHEDULE FOR ALL WALL FINISHES.
- ALL FIRE AND/OR SMOKE BARRIERS OR WALLS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING ABOVE A DECORATIVE CEILING AND OR IN CONCEALED SPACES WITH LETTERS A MINIMUM OF TWO (2) INCHES HIGH ON A CONTRASTING BACKGROUND SPACED A MAXIMUM OF TWELVE (12) FEET ON CENTER WITH A MINIMUM OF ONE PER WALL OR BARRIER IN ACCORDANCE WITH MODIFICATIONS OF THE 2018 STANDARD FIRE PREVENTION CODE, 120-3-3, CHAPTER 5 OF THE RULES AND REGULATIONS OF THE FIRE SAFETY COMMISSIONER. THE HOURLY RATING SHALL BE INCLUDED ON ALL RATED BARRIERS AND WALLS. SUGGESTED WORDING '(--) HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS.



102 Mary Alice Park Road, Suite 103  
Cumming, GA 30040

**ROCKDALE COUNTY JAIL  
RENOVATIONS -  
MENTAL HEALTH WARD**  
ROCKDALE COUNTY

911 CHAMBERS DR., NW  
CONVERS, GA

**PRINT RECORD**

No.	DATE	DESCRIPTION

**Drawn By**  
CSB

**Checked By**  
WR

**Date**  
07.08.22

**Job No.**  
21074

**Sheet Title**  
**PARTITION TYPES  
AND DETAILS**

Sheet No.

**G-2.01**

NOT RELEASED FOR CONSTRUCTION

# PROJECT SPECIFICATIONS

## PROJECT SPECIFICATIONS

### 00 50 00 GENERAL CONDITIONS

"The General Conditions of the Contract for Construction", AIA Document A201, 2007 edition, of the American Institute of Architects, is made a part of these Contract Documents in its entirety.

### 01 20 00 PRICE AND PAYMENT PROCEDURES

A. Applications for Payment shall utilize AIA G702, "Application and Certificate for Payment" including required continuation sheets. Approved Schedule of Values shall be used in the same format and values.

B. Submit three copies of each application.

C. When Architect or Owner's Representative requests substantiating information, submit data justifying dollar amounts in question.

D. Submit to the Architect or Owner's Representative for review and approval a Schedule of Values, at least ten consecutive business days prior to submitting first Application for Payment, utilizing AIA Document G703, "Continuation Sheet".

E. Use Project Specification headings as basis for format for listing costs of work under Divisions 02 - 49. Additional breakdown of work in certain sections may also be provided or required if needed or requested by the Architect or Owner's Representative.

### 01 30 00 ADMINISTRATIVE REQUIREMENTS

A. Contractor shall schedule and administer pre-construction meeting, periodic progress meetings, and specially called meetings throughout the work progress.

B. In order to provide for a regular review and evaluation of the Work and a systematic discussion of problems, the Owner's representative, Architect (if included in CA scope) and General Contractor shall meet at a mutually agreed schedule during the construction period. Representatives of contractor, subcontractors, and suppliers shall attend on an as needed basis. Contractor shall prepare agenda for meetings, make physical arrangements, preside, record minutes, and distribute copies of minutes within three days to those in attendance, those affected by decisions, the Owner's Representative, and the Architect, if he is involved during the construction.

C. Owner and Architect may attend meetings to ascertain work is expedited consistent with Contract Documents and construction schedules.

D. The Contractor's relations with his subcontractors and materials suppliers and discussions relative thereto, are the Contractor's responsibility and will not be part of the project meeting content.

E. To the maximum extent practicable, meetings will be held at the job site.

F. Contractor shall apply Contractor's stamp, signed or initialed in blue ink, certifying that review, approval, verification of products required, field dimensions, adjacent construction work, and coordination of information is in accordance with the requirements of the work and contract documents.

G. Submit sufficient quantities of project data and shop drawings for Architect or Owner's Representative to retain two copies and for one copy to be retained by Contractor and turned over to the Owner at the completion of the Project.

H. Submit sufficient quantities of samples for Architect or Owner's Representative to retain one copy. Review of submittals is only for conformance with design concept of Project and information in Contract Documents.

I. Maintain an orderly file of submittals bearing the Architect's or Owner's Representative's review stamp for the Project duration at Project site and deliver to Owner as part of Project closeout documents.

J. Maintain at the site for the Owner, one record copy of drawings and specifications, addenda, change orders, construction change directives, approved shop drawings, product data, and samples, field test reports, and RFI documents.

K. Store in Contractor's field office in file cabinets or racks for storage of documents. Using record documents for construction purposes is prohibited. Label each document "PROJECT RECORD" in large printed and legible letters.

L. If applicable, on drawings legibly mark to record actual construction including depth of foundations, vertical and horizontal locations of underground utilities, field changes of dimension or detail, and any other changes including change orders.

M. It is the responsibility of the General Contractor to maintain the "as built" set of contract documents. These will serve as the as-built record recording all field built conditions and made part of the closeout package.

### 01 32 16 CONSTRUCTION PROGRESS SCHEDULE

A. Promptly after award of Contract, Contractor shall prepare and submit to Architect or Owner's Representative estimated construction progress schedules for construction activities.

B. A formal "Notice to Proceed" will be issued to mark commencement of project.

C. Progress schedules shall include complete sequence of activity, dates for beginning and completion of each element; show accumulated percentage of each item's completion and total percentage of work completed.

D. Submit initial schedule with 15 days of Contract award. Submit revisions as needed to show major changes in scope or other identifiable changes.

E. Contractor shall submit samples, shop drawings, and product data to Architect or Owner's Representative as required by the specification sections below.

### 01 40 00 TESTING LABORATORY SERVICES

A. If required for the project, the Owner shall employ and pay for services of independent testing laboratory acceptable to Architect or Owner's Representative to perform specified services and testing.

### 01 43 30 SPECIAL INSPECTIONS

A. If required for the project, the Owner will retain the services of a qualified licensed Architect or Engineer to serve as "Special Inspector(s)" to perform inspections pursuant to the Statement of Special Inspections scheduled on the drawings. Approved Special Inspector(s) shall provide testing and verification reports to Owner, architect, building official, and structural engineer of record which indicate the inspected work was done in conformance with approved construction documents.

### 01 50 00 TEMPORARY FACILITIES, CONTROLS, AND UTILITIES

A. Temporary construction office - provide all temporary facilities as required to build this project with sufficient space for Contractor's personnel, telephone/fax, and office space complete with desk and layout board.

B. Temporary storage facilities - If required, provide with weathertight, secure storage sheds or trailers, type and size required for storage. Locate where directed by Owner. Owner is not responsible for securing the temporary storage facility and any theft or loss that may occur.

C. Electrical service - Terms to be discussed prior to execution of contact between Owner and General Contractor. Electrical for construction purposes may be obtained from Owner's present facility, coordinate with Owner's Representative. Provide temporary lighting for construction purposes as required by OSHA or local code.

D. Telephone/Wi-Fi/Fax - provide telephone, telephone message service, Wi-Fi and fax service to the temporary construction office.

E. Temporary heat and ventilation - Maintain spaces in range of 60o F to 80o F, unless product manufacturer for a particular product calls for more stringent requirements. Interior renovation within an existing building, maintain spaces in range of 60o F to 80o F, unless product manufacturer for a particular product calls for more stringent requirements.

F. Water service - Terms to be discussed prior to execution of contact between Owner and General Contractor. Water for construction purposes may be obtained from Owner's present facility, coordinate with Owner's Representative.

G. Sanitary toilet facilities - Provide and maintain temporary toilet facilities and enclosures for construction personnel. Using permanent new or existing facilities in the building is prohibited by construction personnel.

H. Project sign - order and erect or position sign as requested by Owner's Representative, or as indicated in the Construction Documents. Coordinate location with Owner's Representative.

### 01 60 00 PRODUCT REQUIREMENTS

A. Provide new products unless specifically required or permitted by Contract Documents.

### 01 70 00 EXECUTION AND CLOSEOUT REQUIREMENTS

A. Clean-up during construction - execute cleaning procedures to ensure building interior, project site, and adjacent properties are maintained free from construction debris and rubbish. Maintain site, both exterior and interior, in clean and orderly condition. Provide covered, on-site containers for waste collection.

B. Final cleaning - clean finish surfaces in accord with manufacturer's product data and requirements specified in sections not more than 48 hours prior to Date of Substantial Completion. Remove dust, debris, oils, stains, fingerprints, manufacturer's product labels and temporary labels from exposed interior and exterior finish surfaces. Include washing and polishing interior and exterior glazing materials, vacuum carpeted and soft surfaces. Broom clean paved surfaces. Protect, maintain and clean inside of all HVAC supply and return ductwork free from dust and debris, and install new clean set of HVAC system filters not more than 48 hours prior to Date of Substantial Completion. Clean plumbing fixtures. Replace spent lamps and bulbs and clean lighting fixtures to "like-new" condition.

C. Submit operation and maintenance manuals - submit at issuance of Date of Substantial Completion or 15 days prior to final inspection whichever date is earlier. Submit in duplicate, in 8 1/2" x 11-inch format in D size ring binders with plastic Covers including an electronic version of all documents in PDF format on a CD. Internally divide with permanent page dividers logically organized. Include:

1. Part 1 - Directory: list names, addresses, telephone numbers of Architect, Contractor, subcontractors, major equipment suppliers, and local service for major equipment.

2. Part 2 - Operation and Maintenance Instructions: arrange by system further subdivided by specification section and include significant design criteria, equipment list, component parts list, operating instructions and maintenance instructions.

3. Part 3 - Project Documents and Certificates: include shop drawings and product data, air balance reports, certificates, and photocopies of warranties and bonds.

D. Certificates from governing code authorities/AHJ indicating construction has been inspected as required by laws or ordinances and building is approved for occupancy.

E. Warranties - Provide executed warranty in writing, indicate Date of Substantial Completion and warranty expiration date. Warranty period begins on Date of Substantial Completion and continues for one year unless otherwise indicated in individual specification sections or otherwise provided by individual manufacturers' warranties.

F. Record Documents - Provide set of Record Documents with final Application for Payment. This includes a scanned copy of the as-built set of contract documents identifying, including but not limited to, all Bulletins, RFIs Change Orders and field conditions.

G. Tools, equipment, spare parts, extra material, attic stock and related items as required in specification sections at final Application for Payment.

H. Fire extinguishers - Verify extinguishers are charged and ready for use, provide attached tag indicating date tested and by whom.

I. Keys - Construction keying shall be voided or change out cylinders that utilize construction keying. Deliver at Date of Substantial Completion to Owner's Representative keys with each tagged indicating lock which key operates. The Owner shall provide the General Contractor with Keying schedule unless directed otherwise by the Owner.

J. Maintenance training - provide a training class for each of the primary systems. Training class shall include Owner and/or Owner's designated representative. General Contractor shall video tape training class for archiving and reference by the Owner and/or Owner's designated representative.

FOR THE FOLLOWING MATERIAL SPECIFICATIONS, REFERENCE AND COMPLY WITH THE MANUFACTURER'S PRODUCT LITERATURE, SPECIFICATIONS, AND WRITTEN INSTRUCTIONS ON INSTALLATION UNLESS OTHERWISE NOTED.

### 02 41 00 BUILDING DEMOLITION

A. Comply with the most recent applicable codes for demolition of structures, safety of adjacent structures, noise control, and dust control. Obtain required permits, notify affected utility companies and comply with their requirements, conform to regulatory procedures when hazardous or contaminated materials are discovered, and do not close or obstruct roadways without permits.

B. Suspend operations immediately if hazardous or contaminated materials such as asbestos or polychlorinated biphenyl, not previously rendered harmless, are encountered, contact Architect and Owner in writing. Do not resume operations until directed, hazardous or contaminated materials have been rendered harmless, and conditions are agreed to by Owner and Contractor in writing.

C. Provide and maintain temporary barriers and security procedures as required to protect property and people and to meet the requirements of the General Conditions. Protect existing landscaping, appurtenances and structures that are not to be demolished. Prevent movement or settlement of adjacent structures. Provide bracing and shoring. Mark location of all utilities prior to proceeding with scope of work.

D. Minimize interference with adjacent structures and public or private access. Maintain protected egress and access at all times. Obtain written permission from adjacent property Owners when demolition equipment will traverse or infringe upon their property. Suspend operations immediately if adjacent structures appear to be in danger, contact Architect and authority having jurisdiction, do not resume operations until directed. Provide hoses and water connection to sprinkle demolition area with water to minimize dust. It is the sole responsibility of the General Contractor to confine dust and odors to construction area and quickly remediate any breeches in containment.

### 06 10 00 ROUGH CARPENTRY

A. Lumber shall be #2 Southern Pine or Western Lumber. Miscellaneous furring and nailers shall be utility grade Southern Pine. Nailers and blocking associated with roofing and flashing systems shall be preservative and fire-retardant treated. Exterior plywood shall be CC-EXT-APA, Group I. Interior plywood shall be A-D, INT-APA, Group 1. Fire-retardant-treated wood.

B. Provide concealed blocking, nailers, and supports for securing applied fixtures and fittings; specific items to be indicated on the drawings.

C. Provide concealed blocking, nailers, and supports for securing base cabinets and wall mounted cabinets to partitions. Reference drawings for locations of base and wall mounted cabinets.

D. Provide concealed blocking, nailers, and supports for securing video/t.v./monitors to partitions. Reference drawings for locations of wall mounted video/t.v./monitor locations.

E. Backboards at phone equipment shall be 3/4" fire treated plywood, painted face and all exposed edges. Sand, prime and ease all edges prior to painting.

F. Nailing schedule shall be in accord with current edition of International Building Code.

G. Install rough carpentry work cut square on bearings, closely fitted, accurately set to required lines and levels and secured in place. Brush apply preservative treatment to cut ends of treated lumber. Coordinate location of blocking and nailers with locations of finishing materials, fixtures, specialty items and trim. Install plywood with face grain perpendicular to supports. Terminate panels over supports, allowing 1/8" between end joints and 1/4" between edge joints for expansion and contraction.

### 06 20 00 FINISH CARPENTRY

A. Coordinate and install millwork provided by Tenant, and as indicated on drawings.

B. Installer must have a minimum of five years' experience in the same field and be able to demonstrate successful projects that meet the specified AWI grade.

C. Source Quality Control: Obtain materials for each type, including veneer doors, from a single manufacturer or source so as to ensure matching of quality, color, grain, and finish.

D. Quality standards for the following types of architectural woodwork, "Premium Grade" except as modified, as follows:

1. Standing trim, running trim, and rails: AWI Section 300, Custom Grade.
2. Architectural cabinets, laminate clad: AWI Sections 400 for Flush Overlay and 400B, Premium Grade.
3. Architectural cabinet tops: AWI Sections 400 for High Pressure Decorative Laminate tops and 400C, Custom Grade.
4. Shelving: AWI Section 600, Custom Grade.
5. Paneling: AWI Section 700.
6. Miscellaneous ornamental items: AWI Section 700.
7. Stile and rail doors: AWI Section 1400.
8. Factory Finishing: AWI Section 1500.

E. Wood Treatment: Where fire-retardant treated woodwork is indicated, use approved fire-retardant treatment that will not adversely affect the desired finish and appearance.

F. Project Conditions: Stabilize humidity and temperature at normal operating Conditions at least seven (7) calendar days prior to installation and thereafter.

G. Installation: Meet AWI standards for quality standards and premium construction for tolerances. Scribe and cut work to fit adjoining work, refinish cut surfaces and repair damaged finish at cuts. Anchor casework to anchors or blocking built-in or directly attached to substrate. Secure to grounds, stripping, and blocking with countersunk concealed fasteners and blind nailing as required for a complete installation.

H. Lumber (Verify all species selections with drawings):

1. Exposed and semi-exposed painted millwork and trim: Custom Grade Poplar or Custom Grade White Pine, kiln dried.

2. Interior standing and running trim: Custom Grade Poplar or Custom Grade White Pine, kiln dried. Install in single, unjointed lengths for openings and runs less than 16'-0". Stagger joints in adjacent members. Cope at returns, miter at corners.

I. Hardware

1. Door and drawer pulls to be 4" matt nickel stainless steel.
2. Concealed hinges to be Grade 2 (Institutional duty), 170 degrees opening
3. Door and drawer locks: provide elbow catches on un-keyed leaf of pair of doors. If electronic push button, provide battery operated with low battery indicator.
4. Drawer Slides to be full extensions slides; 100lb per slide per standard drawer, 150lb per slide per standard file drawer and 250lb per lateral file drawer.
5. Shelf standards to be same color as cabinet interior.

J. Countertops shall have 1-1/2" radiused corners as indicated on drawings, U.N.O.

### 07 21 00 THERMAL INSULATION

A. Batt insulation shall be fiberglass batts width equal to framing spacing, kraft face, ASTM C665, Type II, Class C, 1.0 perm rating, R-13 in walls.

B. Rigid extruded polystyrene insulation shall be extruded, closed cell, CFC-12 free, polystyrene boards meeting ASTM C578, Type IV for use in perimeter and other applications, thickness 2" or as scheduled on drawings.

C. Safing Insulation - shall be unfaced, semi-rigid, 4 pcf minimum. Install in cavities of all floor-to-floor penetrations; include spaces around piping and duct penetrations. Foam safing may be used in lieu of safing insulation.

D. Sound insulation - refer to Section 09 21 16 Gypsum Board Assemblies.

E. Provide continuous 1/4" foam tape filler where walls meet window mullions. Provide double foam tape fill at demising wall between tenants, intersecting partitions and demising walls.

### 07 84 00 FIRE STOPPING

Fire stopping shall be single component self-adhering, flexible, water-tight, non-sag, elastomeric silicon or endothermic latex compound. Provide firestopping as required to maintain ratings at all penetrations through rated walls, partitions, floors and floor-ceiling assemblies. Fire-stopping to comply with Underwriters Lavatory testing numbers where applicable.

### 07 90 05 SEALANTS AND CAULKS

Exterior joints and all other openings in the building shall be caulked, gasketed, weather-stripped, or sealed in an approved manner (ref. Georgia State Energy Code, Section 502.4). Seal all sound partitions with acoustical sealant at base, head, perimeter and all openings.

A. Silicone sanitary sealant, SSS-1, one-part silicone rubber, mildew and stain resistant, ASTM C920, Type S, Grade NS, Class 25. Use at plumbing fixture perimeters mounted on walls and top and edges of backslashes at countertops.

B. Two-part non-sag polyurethane sealant, PSV2-1, two-part polyurethane based sealant with separate prepackaged color agent to achieve colors, ASTM C920, Type M, Grade NS, Class 25. Use at exterior and interior door and window frames perimeter.

C. Caulking compound for setting thresholds and for other interior caulking shall be an oleo-resinous, gun grade, non-staining plastic compound meeting Federal Specification TT-T-598. Material shall have shrinkage factor not exceeding 15%.

D. Acrylic-latex caulk, ALC-1, flexible paintable, non-staining, non-bleeding acrylic emulsion, ASTM C834. Use at interior non-working cosmetic joints between similar and dissimilar adjacent materials.

E. Butyl caulk, BC-1, one part butyl rubber caulk, ASTM C1085, black. Use continuous double bead at sill or threshold of exterior swinging doors.

F. Backer rod, compressible rod stock closed cell foam, open cell foam, soft cell foam, or neoprene foam, type recommended by sealant manufacturer for material compatibility and conditions encountered.

### 08 11 00 STEEL DOORS AND FRAMES

A. Exterior steel doors and frames to be Building Standard.

B. Materials include steel, ASTM A366, cold rolled steel sheet free of scale, pitting, or surface defects; exterior frames and doors, ASTM A525, zinc coated, coating designation G60; and primer, one coat manufacturer's standard baked-on enamel rust-inhibitive primer to pin hole free.

C. Frame construction shall be factory primed, pressed steel, frames for doors and other indicated openings. Exterior door frames shall be 16-gauge, face welded, seamless with joints filled and weather-stripping per Section 08710. Interior frames shall be knock down "KD" type frames, and 16-gauge. All frames shall have labels for labeled openings as required, with standard rubber, neoprene, or silicone silencers.

D. Provide manufacturer's standard frame anchors for attachment to studs at 20" o.c. max or fraction thereof on each jamb.

E. Door construction for exterior units shall be Grade II, Heavy Duty, seamless composite construction, 16-gauge material, with 20 PSI compressive strength foamed-in-place polyurethane core.

F. Submit manufacturer's product data and shop drawings indicating door and frame elevations, sections, materials, gauges, finishes, fabrication and erection details, location of finish hardware by dimension, and details of openings and louvers.

G. Provide metal drip at exterior door frames which have no alternative cover.

### 08 14 16 FLUSH WOOD DOORS

A. Industry standards are those of the National Wood Window and Door Association (NWWDA) and the Architectural Woodwork Institute (AWI). Fire-rated wood doors shall bear label of testing and approval by independent testing agency, having been tested in accord with UBC 7-2-1997 or UL 10-C for ratings indicated.

B. Wood doors shall be solid, particle board core, 1-3/4" thickness, meeting NWMA I.S.-1. minimum five-ply, 1-3/4" thickness. Core shall have min. 28 pcf density. Premium Grade, with "Plain-Sawn" White Oak" face veneers and edges; veneers book matched across door face; full length. Plastic laminate veneer doors shall consist of .050" high pressure decorative laminate. Conform to NEMA Standard LD-3-1980, Grade GP 50. Fire rated doors shall be rated as shown on the drawings, with factory installed labels. Fire rated doors shall have reinforced edges to accept full mortise hinges.

C. Execution: install doors in respective frames using specified hardware. Doors shall operate without binding or sticking at frames or floor. Maintain NWWDA and NFPA No. 80 standard tolerances.

D. Submit shop drawings indicating door species, finish, sizes, construction, and hardware locations.



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ROCKDALE COUNTY JAIL  
RENOVATIONS -  
MENTAL HEALTH WARD  
ROCKDALE COUNTY  
911 CHAMBERS DR., NW  
CONOVERS, GA

## PRINT RECORD

No.	DATE	DESCRIPTION

Drawn By CSB Checked By WR

Date 07.08.22 Job No. 21074

Sheet Title SPECIFICATIONS

Sheet No.

# G-3.01

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**GENERAL**

1. NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF OWNER, CONTRACTOR, DESIGN PROFESSIONAL, SUPPLIER, OR ANY OF THEIR CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS. NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE DESIGN PROFESSIONAL OF RECORD OR ANY OF THE DESIGN PROFESSIONAL OF RECORD'S CONSULTANTS, AGENTS, OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.
2. CONTRACT DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE STRUCTURAL DOCUMENTS (DRAWINGS AND SPECIFICATIONS), BUT DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR MATERIAL PREPARED AND SUBMITTED BY THE CONTRACTOR.
3. REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD, CODE, SPECIFICATION OR TENTATIVE SPECIFICATION ADOPTED AT THE DATE OF TAKING BIDS, UNLESS SPECIFICALLY STATED OTHERWISE.
4. CONTRACT DOCUMENTS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE CODE OF PRACTICE OR SPECIFICATIONS OF ACI, PCI, AISC, SJI OR OTHER STANDARDS, WHERE A CONFLICT OCCURS WITHIN THE CONTRACT DOCUMENTS, THE STRICTEST REQUIREMENT SHALL GOVERN.
5. MATERIAL, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE REFERENCED BUILDING CODE.
6. CONTRACTOR SHALL COORDINATE THE STRUCTURAL DOCUMENTS WITH THE ARCHITECTURAL DOCUMENTS. DESIGN PROFESSIONAL SHALL BE NOTIFIED OF ANY DISCREPANCY OR OMISSION, FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS, SEE THE ARCHITECTURAL DRAWINGS.
7. CONTRACTOR SHALL VERIFY EXISTING DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK. DESIGN PROFESSIONAL SHALL BE NOTIFIED OF ANY DISCREPANCY.
8. CONTRACTOR SHALL VERIFY THAT MISCELLANEOUS FRAMING SHOWN ON THE STRUCTURAL DRAWINGS FOR MECHANICAL EQUIPMENT, OWNER-FURNISHED ITEMS, PARTITIONS, ETC. IS CONSISTENT WITH THE REQUIREMENTS OF SUCH ITEMS.
9. CONTRACTOR HAS SOLE RESPONSIBILITY FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.
10. THE STRUCTURE IS STABLE ONLY IN ITS COMPLETED FORM. TEMPORARY SUPPORTS REQUIRED FOR STABILITY DURING ALL INTERMEDIATE STAGES OF CONSTRUCTION SHALL BE DESIGNED, FURNISHED, AND INSTALLED BY THE CONTRACTOR.
11. CONTRACTOR HAS SOLE RESPONSIBILITY TO COMPLY WITH ALL OSHA REGULATIONS.
12. ELECTRONIC DRAWING FILES WILL NOT BE PROVIDED TO THE CONTRACTOR. REPRODUCTION OF STRUCTURAL DRAWINGS FOR SHOP DRAWINGS IS NOT PERMITTED.
13. REVIEW OF SUBMITTALS OR SHOP DRAWINGS BY THE DESIGN PROFESSIONAL DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK ALL SUBMITTALS AND SHOP DRAWINGS BEFORE SUBMITTING TO THE DESIGN PROFESSIONAL. CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS.
14. DETAILS LABELED "TYPICAL" ON THE STRUCTURAL DRAWINGS APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THE TYPICAL DETAILS UNLESS THOSE LOCATIONS ARE SPECIFICALLY DETAILED OTHERWISE.
15. STRUCTURAL DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR THE DESIGN OF CURTAIN WALL/WINDOW WALL SYSTEMS OR OTHER SYSTEMS NOT SHOWN IN THE STRUCTURAL DOCUMENTS. SUCH SYSTEMS SHALL BE DESIGNED, FURNISHED, AND INSTALLED AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS.
16. SUBMITTALS
  - 16.1 SUBMITTALS BY THE CONTRACTOR ARE NOT A PART OF THE CONTRACT DOCUMENTS. PRIOR TO THE INITIAL SUBMITTAL, CONTRACTOR SHALL SUBMIT TO THE DESIGN PROFESSIONAL A SCHEDULE OF SUBMITTED INFORMATION.
  - 16.2 SUBMITTALS SHALL BE ACCOMPANIED BY A TRANSMITTAL LETTER WITH THE FOLLOWING INFORMATION:
    - PROJECT NAME
    - CONTRACTOR'S NAME
    - DATE SUBMITTED
    - DESCRIPTION OF ITEMS SUBMITTED. IDENTIFY WORK AND PRODUCT BY SPECIFICATION SECTION
    - NUMBER OF DRAWINGS AND OTHER PERTINENT DATA.
  - 16.3 CONTRACTOR SHALL DIRECT SPECIFIC ATTENTION ON THE SUBMITTAL TO ANY DEVIATION FROM THE CONTRACT DOCUMENTS. CONTRACTOR SHALL STAMP AND SIGN EACH SHEET OF SHOP DRAWINGS AND PRODUCT DATA, AND SIGN OR INITIAL EACH SAMPLE TO CERTIFY COMPLIANCE WITH REQUIREMENTS OF CONTRACT DOCUMENTS. SUBMITTALS RECEIVED WITHOUT THE CONTRACTOR'S STAMP OF REVIEW WILL BE RETURNED TO THE CONTRACTOR FOR REVIEW AND RESUBMITTAL.
  - 16.4 WORK REQUIRING SHOP DRAWINGS, WHETHER CALLED FOR BY THE CONTRACT DOCUMENTS OR REQUESTED BY THE CONTRACTOR, SHALL NOT COMMENCE UNTIL THE SUBMISSION HAS BEEN REVIEWED BY THE DESIGN PROFESSIONAL. WORK MAY COMMENCE IF THE CONTRACTOR VERIFIES THE ACCURACY OF THE DESIGN PROFESSIONAL'S CORRECTIONS AND NOTATIONS AND COMPLIES WITH THEM WITHOUT EXCEPTION AND WITHOUT REQUESTING CHANGE IN CONTRACT SUM OR CONTRACT TIME AT COPY OF THE MARKED STRUCTURAL SHOP DRAWINGS WITH THE DESIGN PROFESSIONAL'S REVIEW STAMP IS TO BE MAINTAINED AT THE JOB SITE.

**CODE/DESIGN CRITERIA**

1. STRUCTURE MODIFICATIONS ARE DESIGNED IN ACCORDANCE WITH THE FOLLOWING:
  - INTERNATIONAL BUILDING CODE, 2018 EDITION WITH GEORGIA AMENDMENTS.
2. GRAVITY LOADS
  - 2.1 UNIFORM FLOOR LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):
    - OFFICES 50 PSF
    - PARTITIONS 15 PSF
  - 2.2 UNIFORM ROOF LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):
    - ROOF 20 PSF (EXISTING BUILDING)
  - 2.3 DEAD LOADS (IN ADDITION TO STRUCTURE SELF-WEIGHT):
 

FLOOR:	
• MISCELLANEOUS	10 PSF
• CEILING/MEP	10 PSF
3. WIND LOADS:
  - BASIC DESIGN WIND SPEED,  $V = 105$  MPH
  - ALLOWABLE DESIGN WIND SPEED,  $V_{ASD} = 82$  MPH
  - RISK CATEGORY: II
  - EXPOSURE B
  - INTERNAL PRESSURE COEFFICIENT = +/- 0.18
4. EARTHQUAKE LOADS:
  - RISK CATEGORY: II
  - SEISMIC IMPORTANCE FACTOR:  $I = 1.00$
  - SHORT PERIOD MAPPED SPECTRAL RESPONSE COEFFICIENT,  $S_s = 0.204$
  - 1 SECOND PERIOD MAPPED SPECTRAL RESPONSE COEFFICIENT,  $S_1 = 0.088$
  - SITE CLASS D (ASSUMED)
  - SHORT PERIOD DESIGN SPECTRAL RESPONSE COEFFICIENT,  $S_{DS} = 0.218$
  - 1 SECOND PERIOD DESIGN SPECTRAL RESPONSE COEFFICIENT,  $S_{D1} = 0.141$
  - SEISMIC DESIGN CATEGORY: C
5. THE EXISTING STRUCTURE, WITH PROPOSED MODIFICATIONS, HAS BEEN ANALYZED FOR GRAVITY AND LATERAL LOADS AND FOUND TO BE IN COMPLIANCE WITH IBC 2012 SECTION 3403 AND 3404 FOR ADDITIONS AND ALTERATIONS (LEVEL 2) TO AN EXISTING STRUCTURE.
6. UNLESS NOTED OTHERWISE CALCULATED INDIVIDUAL MEMBER DEFLECTIONS (IN INCHES) DO NOT EXCEED THE FOLLOWING:
 

FLOOR MEMBERS:	<u>DEAD LOAD</u>	<u>LIVE LOAD</u>	<u>DEAD + LIVE LOAD</u>
	L/360	L/360	L/240

  - WHERE,  $L$  = SPAN LENGTH (IN INCHES) BETWEEN SUPPORTS. (FOR CANTILEVERS,  $L$  IS TWICE THE LENGTH OF THE CANTILEVER.) NOTE THAT THE TOTAL MAXIMUM CALCULATED FLOOR SYSTEM DEFLECTION WILL BE THE SUM OF THE DEFLECTIONS OF THE SUPPORTED ELEMENTS IN A BAY.
7. NO PROVISIONS HAVE BEEN MADE FOR FUTURE HORIZONTAL OR VERTICAL EXPANSION.

**CONCRETE MASONRY**

1. MINIMUM 28-DAY COMPRESSIVE STRENGTH OF CONCRETE MASONRY SHALL BE  $F'_m = 1500$  PSI.
2. MORTAR SHALL COMPLY WITH THE BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY AND SHALL BE OF THE FOLLOWING TYPE:
  - WALLS BELOW GRADE TYPE M
  - BEARING WALLS TYPE M OR S
3. CONCRETE MASONRY UNITS SHALL BE GROUTED WITH 2500 PSI COARSE GROUT AS SHOWN IN THE STRUCTURAL DOCUMENTS. GROUT FOR REINFORCED AND NONREINFORCED MASONRY SHALL CONFORM TO ASTM C476.
4. PROVIDE HORIZONTAL JOINT REINFORCEMENT WITH NO. 9 GAGE LONGITUDINAL WIRES AT 16" C/C VERTICALLY, UNLESS NOTED OTHERWISE. PROVIDE SPECIAL ACCESSORIES FOR CORNERS, INTERSECTIONS, ETC.
5. PROVIDE OPEN BOTTOM BEAM BLOCK UNITS WITH 3" DEEP MINIMUM WEB OPENINGS AT HORIZONTAL REINFORCEMENT LOCATIONS. A MINIMUM CLEAR SPACE OF ONE BAR DIAMETER SHALL BE PROVIDED BETWEEN THE REINFORCING BARS AND THE FACE OF MASONRY UNITS.
6. PROVIDE CONTROL JOINTS IN ALL CONCRETE MASONRY WALLS AT LOCATIONS APPROVED BY THE DESIGN PROFESSIONAL AT A MAXIMUM SPACING OF 3 TIMES THE WALL HEIGHT OR 40'-0", WHICHEVER IS LESS.
7. PROVIDE DOVETAIL ANCHORS AT 16" C/C, UNLESS NOTED OTHERWISE, WHERE MASONRY WALLS ABUT CONCRETE SURFACES.
8. SUBMIT WRITTEN CONSTRUCTION PROCEDURES PRIOR TO THE START OF MASONRY CONSTRUCTION.
9. MINIMUM VERTICAL WALL REINFORCEMENT SHALL BE #4@16" C/C, UNLESS NOTED OTHERWISE.
10. SUBMIT SHOP DRAWINGS FOR MASONRY REINFORCEMENT IN ACCORDANCE WITH SPECIFICATION SECTION 032000.

**STRUCTURAL STEEL**

1. STRUCTURAL STEEL SHALL CONFORM TO ASTM A992, UNLESS NOTED OTHERWISE.
  - STRUCTURAL STEEL TUBING SHALL CONFORM TO ASTM A500, GRADE C.
  - STRUCTURAL STEEL PIPE SHALL CONFORM TO ASTM A53, GRADE C.
  - STRUCTURAL CHANNELS, MISCELLANEOUS PLATES AND CONNECTION MATERIAL SHALL CONFORM TO ASTM A36, UNLESS NOTED OTHERWISE.
3. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED ACCORDING TO BOTH THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".
4. SUBMIT SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE STRUCTURAL ELEMENTS AND CONNECTIONS SHOWN IN THE CONTRACT DOCUMENTS. CONNECTIONS SHALL BE DETAILED BASED ON THE DESIGN INFORMATION PROVIDED IN THE CONTRACT DOCUMENTS. CONNECTIONS SHALL BE DESIGNED FOR THE SERVICE LOAD REACTION VALUES SHOWN ON THE STRUCTURAL DRAWINGS. FOR STEEL MEMBERS WHOSE REACTIONS ARE NOT SHOWN, THE DESIGN REACTION SHALL BE DESIGNED FOR THE SERVICE LOAD REACTION OF 10 KIPS UNLESS SHOWN OTHERWISE ON THE STRUCTURAL DRAWINGS. DEVIATION FROM THE CONNECTION DETAILS DEPICTED IN THE CONTRACT DOCUMENTS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE DESIGN PROFESSIONAL. **DESIGN PROFESSIONAL SHALL BE COMPENSATED BY THE CONTRACTOR FOR THE COST INVOLVED IN THE REDESIGN OF CONNECTIONS FOR THE CONVENIENCE OF THE CONTRACTOR. STEEL CONNECTIONS NOT COMPLETELY DETAILED ON THE STRUCTURAL DRAWINGS SHALL BE DESIGNED BY THE CONTRACTOR. THIS DESIGN SERVICE SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF SERVICES. SHOP DRAWINGS AND CALCULATIONS FOR SUCH CONNECTIONS SHALL BE SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE. REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE FULL RESPONSIBILITY FOR THE DESIGN AND ADEQUACY OF SUCH CONNECTIONS. FOR CONNECTION DETAILS DEPICTING ARRANGEMENT CONCEPT OF THE CONNECTION WITHOUT COMPLETE DETAILS, THE CONNECTION DESIGN ENGINEER SHALL FOLLOW THAT ARRANGEMENT CONCEPT IN THE DESIGN. SINGLE ANGLE CONNECTIONS ARE NOT ACCEPTABLE.**
5. USE PRE-QUALIFIED WELDED JOINTS IN ACCORDANCE WITH AISC AND THE STRUCTURAL WELDING CODE OF THE AMERICAN WELDING SOCIETY D1.1-10. "NON-PRE-QUALIFIED JOINTS" SHALL BE QUALIFIED PRIOR TO FABRICATION. PROOF OF WELDER CERTIFICATION SHALL BE AVAILABLE AT THE JOB SITE DURING TIMES OF INSPECTION.

**COLD-FORMED STEEL**

1. DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS AND THEIR CONNECTIONS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. SUBMIT SHOP DRAWINGS SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE. REVIEW OF SHOP DRAWINGS SHALL BE FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS REGARDING ARRANGEMENT AND SIZES OF MEMBERS AND THE CONTRACTOR'S INTERPRETATION OF THE DESIGN LOADS AND CONTRACT DOCUMENT DETAILS. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR THE DESIGN OF THE COLD-FORMED STEEL STRUCTURAL MEMBERS AND THEIR CONNECTIONS.
2. COLD-FORMED STEEL DESIGN, FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH AISI "SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" OR "LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATION FOR COLD-FORMED STEEL STRUCTURAL MEMBERS".
3. COLD-FORMED STEEL STUDS, JOISTS AND ACCESSORIES SHALL BE AS SHOWN IN THE STRUCTURAL DOCUMENTS.
4. COLD-FORMED STEEL TRUSSES SHALL BE DESIGNED FOR THE DESIGN LOADS SHOWN IN THE CONTRACT DOCUMENTS. REFER TO THE SPECIFICATIONS.
5. COLD-FORMED STEEL STRUCTURAL MEMBERS MAY BE ATTACHED BY EITHER WELDS OR SCREWS SIZED BY THE MANUFACTURER FOR THE SPECIFIED DESIGN LOADS. SEE THE SPECIFICATIONS.
6. CONTRACTOR SHALL FURNISH COMPLETE FABRICATION AND ERECTION DRAWINGS FOR APPROVAL BY THE STRUCTURAL ENGINEER PRIOR TO THE COMMENCEMENT OF FABRICATION. INCLUDE PLACING DRAWINGS FOR FRAMING MEMBERS SHOWING SIZE AND GAGE DESIGNATIONS, NUMBER, TYPE, LOCATION AND SPACING. INDICATE SUPPLEMENTAL STRAPPING, BRACING, SPLICES, BRIDGING, ACCESSORIES AND DETAILS REQUIRED FOR PROPER INSTALLATION.
7. AXIALLY LOADED BEARING STUDS SHALL BE POSITIONED SUCH THAT STUD LOCATION IS DIRECTLY UNDER JOIST BEARING POINT UNLESS NOTED OTHERWISE IN THE STRUCTURAL DOCUMENTS.
8. SPLICES IN AXIALLY LOADED STUDS AND FLOOR OR ROOF JOISTS SHALL NOT BE PERMITTED.
9. WELDING OF COLD-FORMED STEEL SHALL BE IN ACCORDANCE WITH THE STANDARD CODE OF ARC AND GAS WELDING IN BUILDING CONSTRUCTION.



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931 MONROE DRIVE  
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**ROCKDALE COUNTY JAIL  
RENOVATIONS -  
MENTAL HEALTH WARD**  
**ROCKDALE COUNTY**  
 911 CHAMBERS DR., NW  
CONVERS, GA

**PRINT RECORD**

No.	DATE	DESCRIPTION

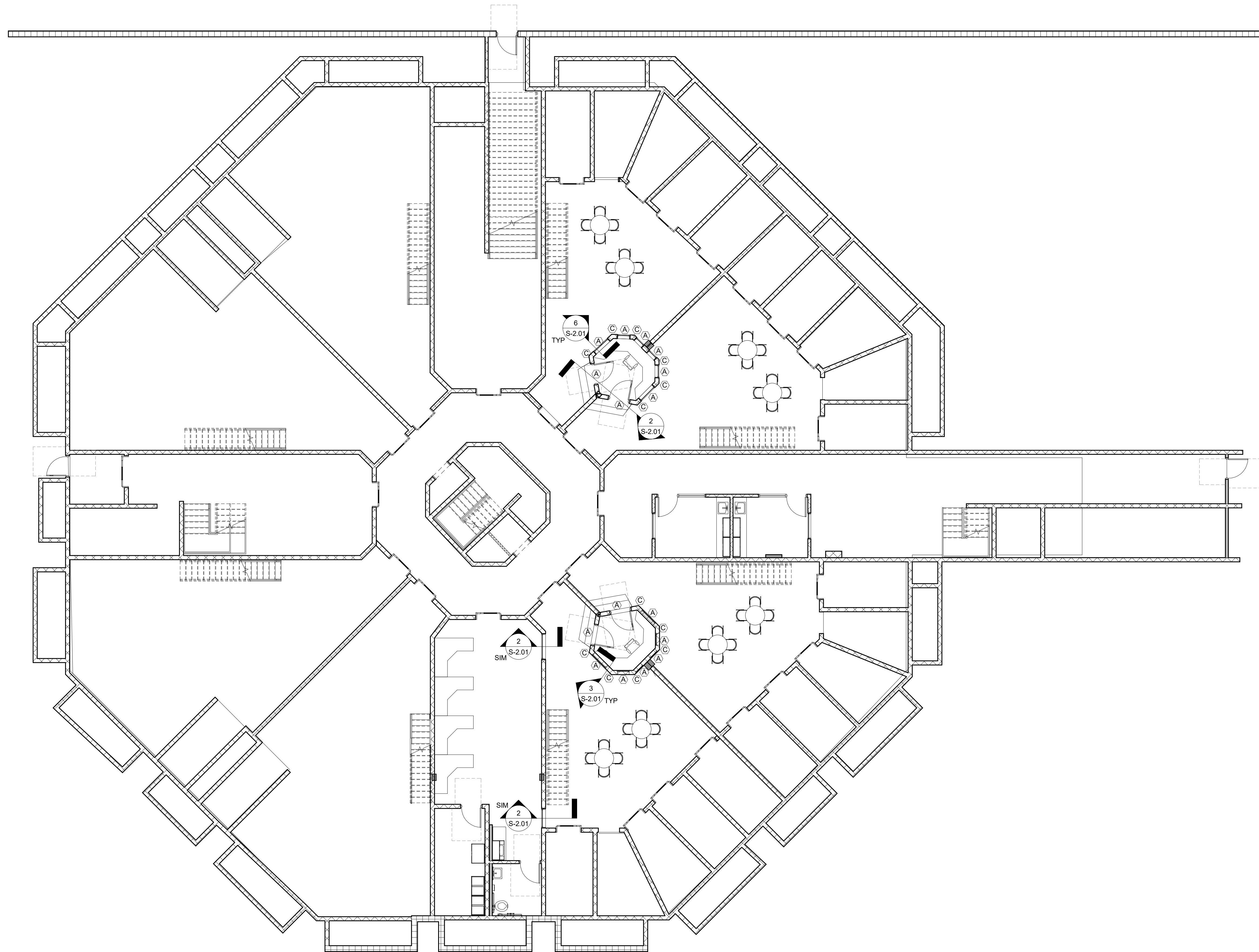
<b>Drawn By</b> DW	<b>Checked By</b> KMJ
<b>Date</b> 07/08/22	<b>Job No.</b> 002.22038

**Sheet Title**  
**GENERAL NOTES**

**Sheet No.**  
**S-0.01**

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1 OVERALL PLAN  
S-1.01 1/8" = 1'-0"



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**ROCKDALE COUNTY JAIL  
RENOVATIONS -  
MENTAL HEALTH**

ROCKDALE COUNTY

911 CHAMBERS DR., NW  
CONVERS, GA

**PRINT RECORD**

No.	DATE	DESCRIPTION

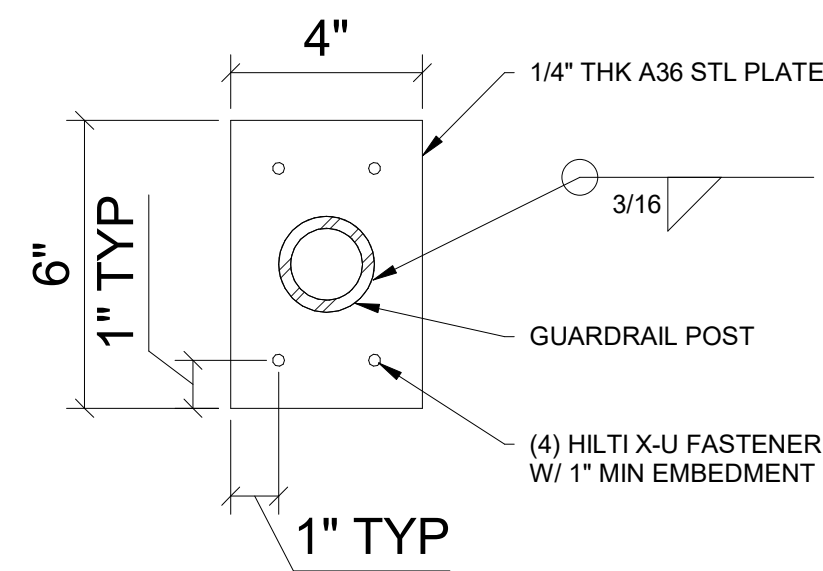
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**Checked By** KMJ  
**Date** 07/08/22  
**Job No.** 02.22038

**Sheet Title**  
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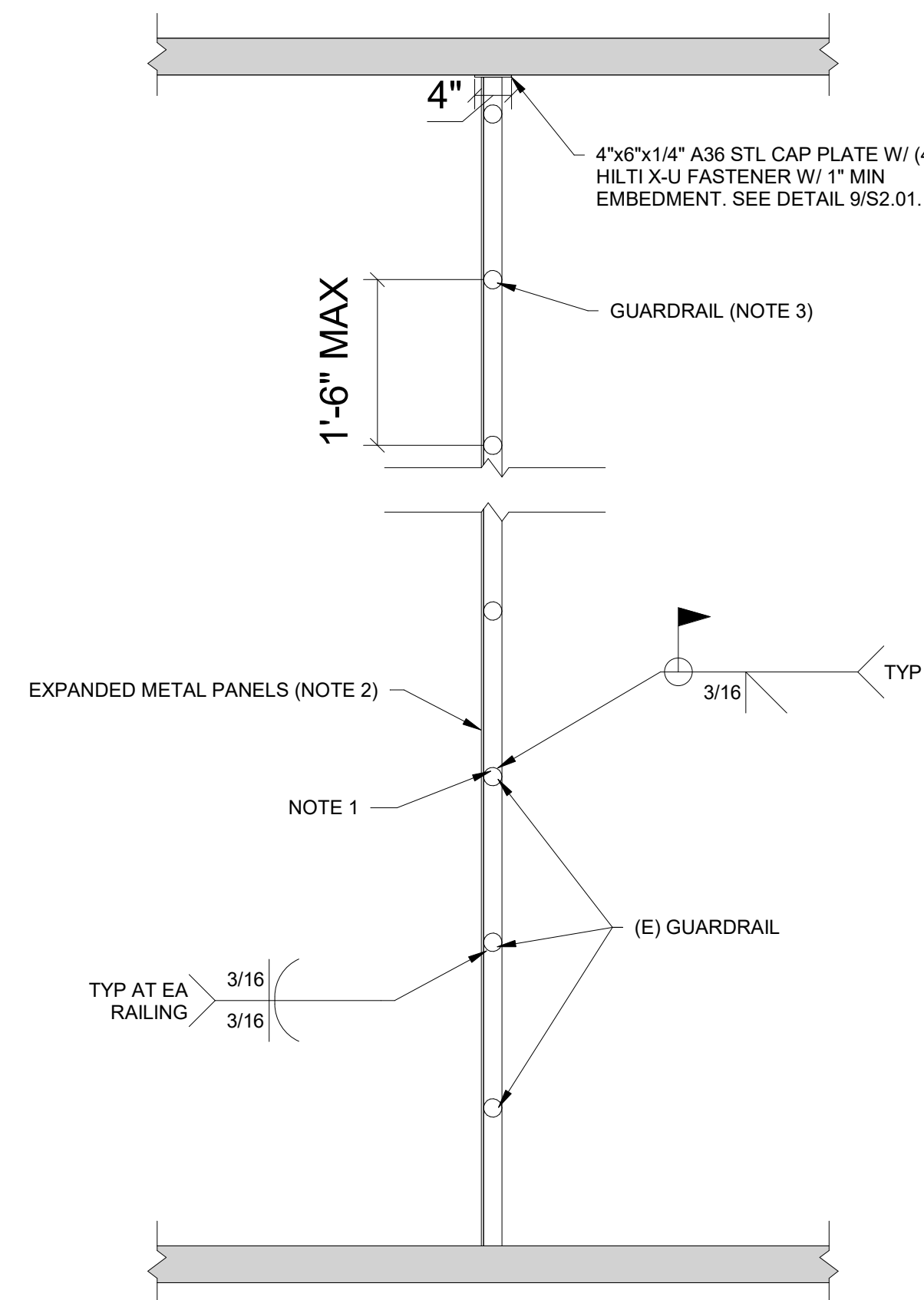
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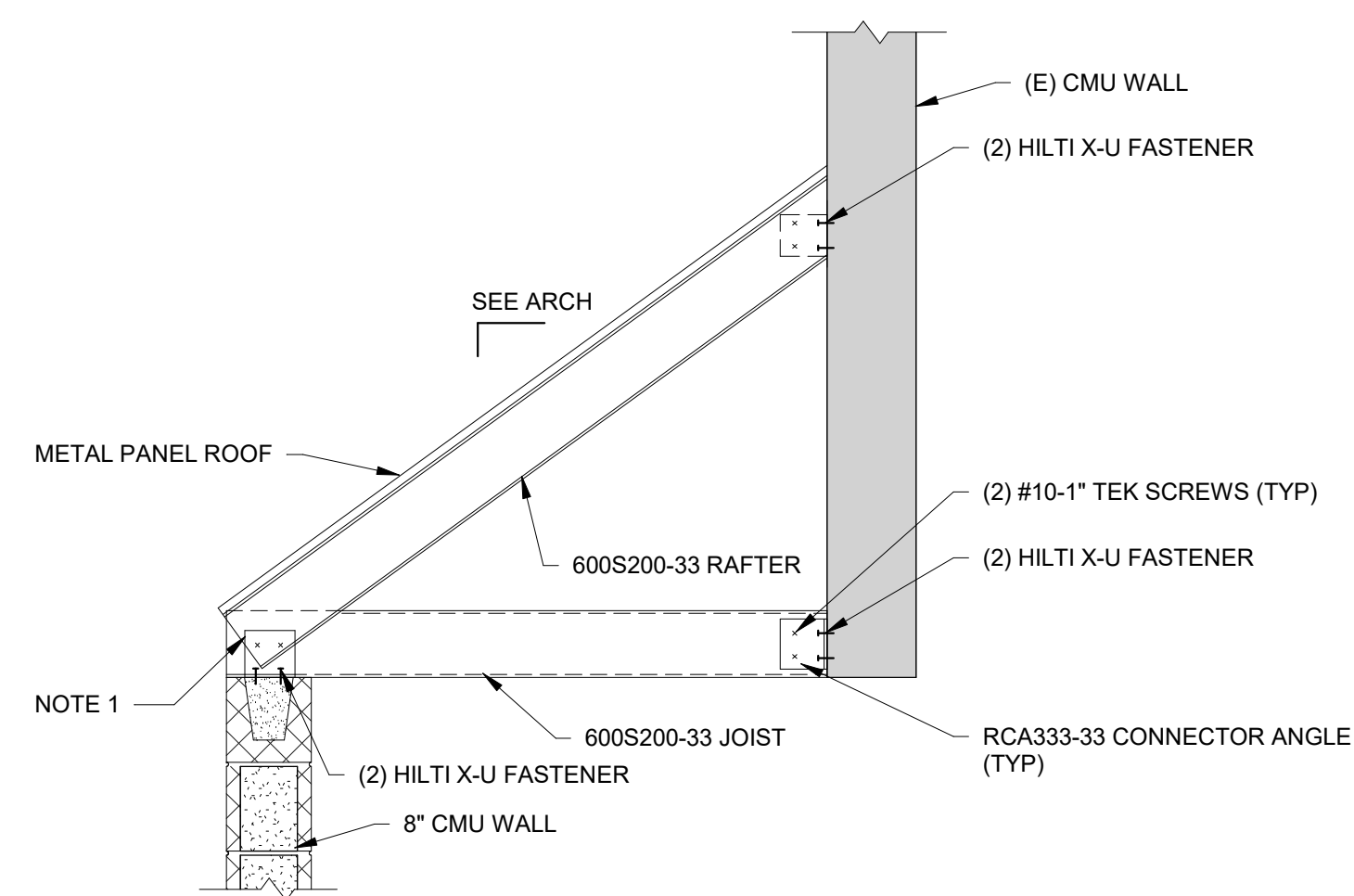
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**9** RAIL POST CAP PLATE DETAIL  
S-2.01/ 3/4" = 1'-0"



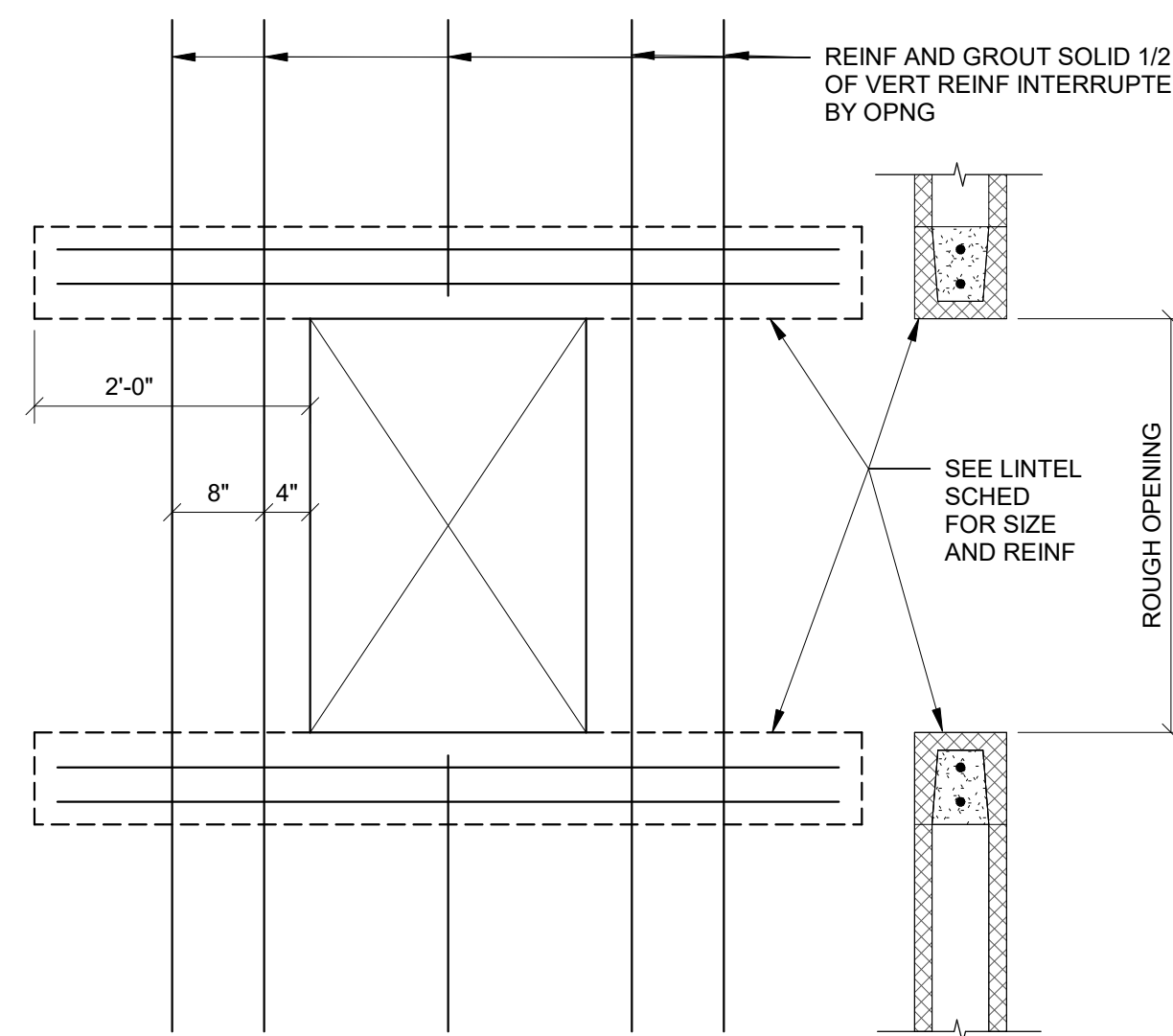
**8** GUARDRAIL WITH EXPANDED METAL SECTION  
S-2.01/ 3/4" = 1'-0"



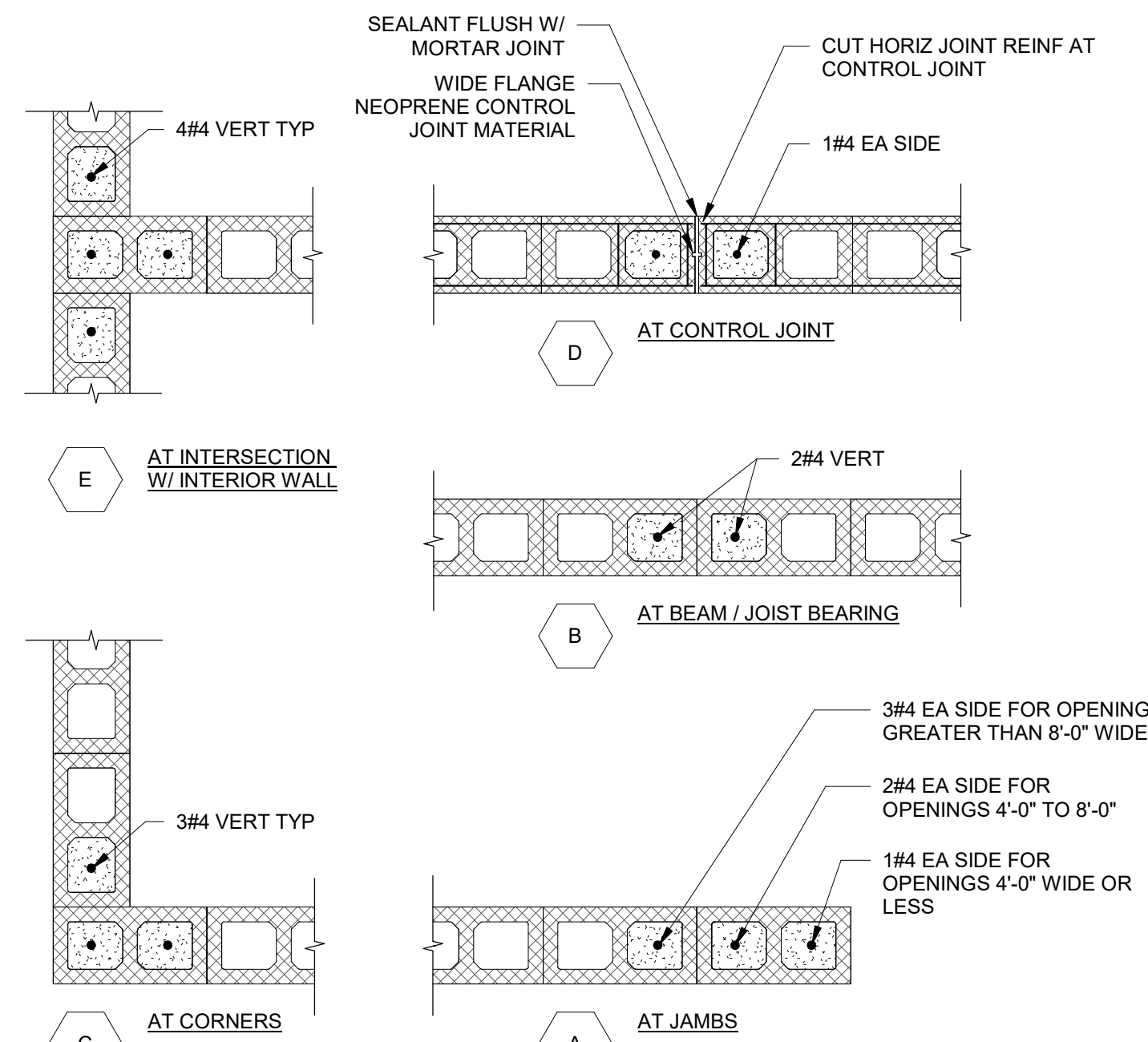
**7** TYPICAL CONTROL TOWER ROOF SECTION  
S-2.01/ 3/4" = 1'-0"

STANDARD LINTEL SCHEDULE		
WALL SIZE	LINTEL TYPE	REMARKS
OPENINGS UP TO 6'-0"		
8" BLOCK	8"x8" CONC W/ 2#4 T&B 8"x8" U-BLOCK W/ 1#4 T&B	ARCH TO PROVIDE HORZ DIM.
OPENINGS 6'-0" TO 8'-0"		
8" BLOCK	8"x8" CONC W/ 2#4 T&B 8"x16" U-BLOCK W/ 1#4 T&B	ARCH TO PROVIDE HORZ DIM.
OPENINGS 8'-0" TO 10'-0"		
8" BLOCK	8"x8" CONC W/ 2#4 T&B	#3 STIR @ 7" CONT

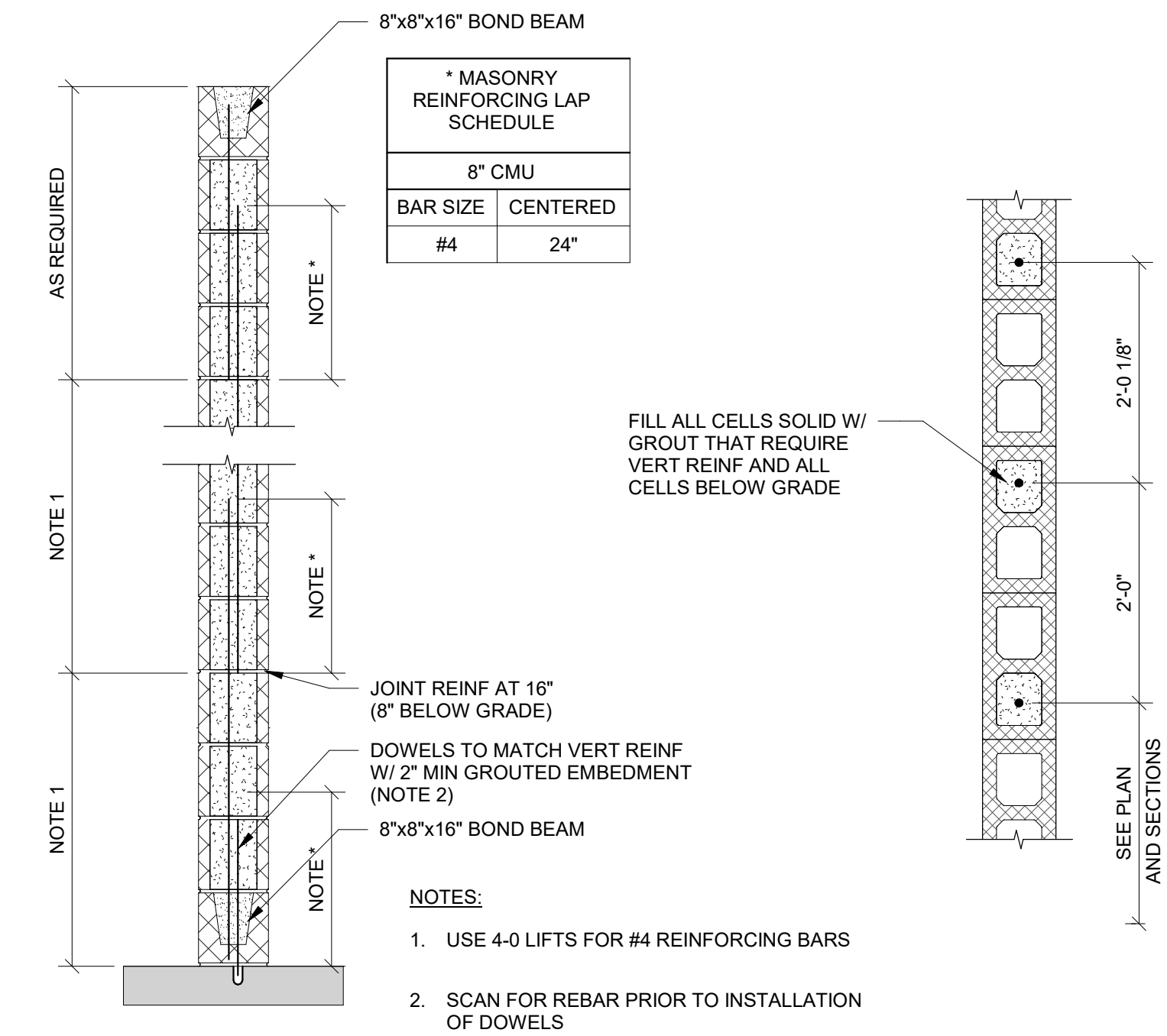
- NOTES:  
 1. ALL STEEL LINTELS TO BE GALVANIZED.  
 2. PROVIDE MINIMUM OF 6" BEARING FOR BRICK LINTELS.  
 3. ALL OPENINGS ARE TO BE SHORED UNTIL THE MASONRY HAS CURED FOR A MINIMUM OF 72 HOURS.



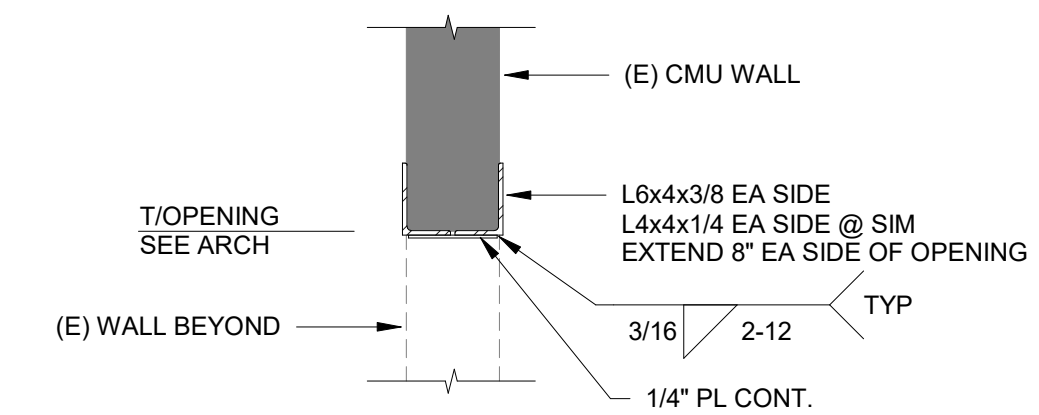
**5** TYPICAL REINFORCING AT CMU WALL OPENING  
S-2.01/ 3/4" = 1'-0"



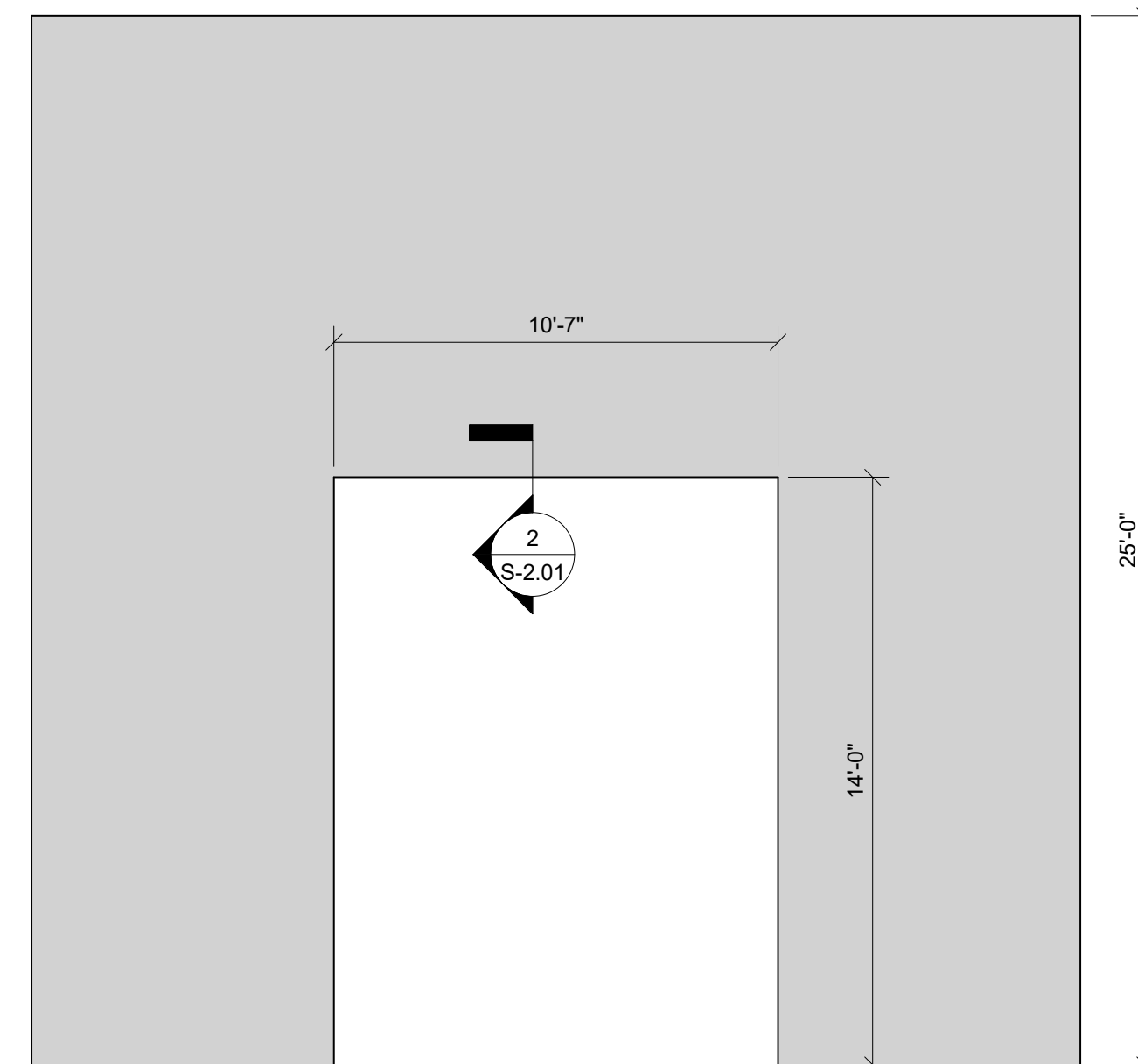
**4** TYPICAL REINFORCING AT 8" LOAD BEARING CMU WALL  
S-2.01/ 3/4" = 1'-0"



**3** TYPICAL REINFORCED CMU WALL  
S-2.01/ 3/4" = 1'-0"



**2** NEW 10'-7" MAX OPENING IN EXISTING CMU WALL  
S-2.01/ 3/4" = 1'-0"



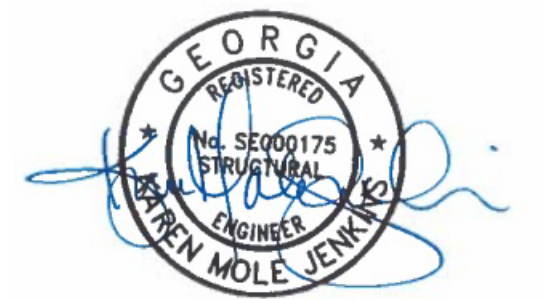
**1** MASONRY WALL ELEVATION  
S-2.01/ 1/4" = 1'-0"



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931 MONROE DRIVE  
SUITE A102-491  
ATLANTA, GA 30308  
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**ROCKDALE COUNTY JAIL  
RENOVATIONS -  
MENTAL HEALTH WARD**  
ROCKDALE COUNTY  
911 CHAMBERS DR., NW  
CONYERS, GA

**PRINT RECORD**

No.	DATE	DESCRIPTION

Drawn By: MMI  
Checked By: KMJ

Date: 07/08/22  
Job No.: 002.22038

Sheet Title: Details

Sheet No.:

**S-2.01**

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BUILDING DATA	
<b>PROJECT NAME:</b>	ROCKDALE COUNTY MENTAL HEALTH UNIT
<b>PROJECT ADDRESS:</b>	911 CHAMBERS ROAD CONYERS, GA 30094
<b>PROJECT DESCRIPTION:</b>	RENOVATION OF AN EXISTING JAIL FACILITY INTO A MENTAL HEALTH UNIT
<b>TOTAL BUILDING SQUARE FOOTAGE:</b>	14,545 SQ. FT
<b>TOTAL AREA BEING RENOVATED:</b>	8,974 SQ. FT
<b>OCCUPANCY CLASSIFICATION:</b>	I-3 OCCUPANCY
<b>TYPE OF CONSTRUCTION (IBC):</b>	TABLE 601
<b>TYPE II-A, PROTECTED, SPRINKLERED JAIL</b>	2 STORY
<b>HEIGHT AND AREA LIMITS (IBC):</b>	IBC TABLE 504.3
<b>I-3 OCCUPANCY:</b>	
<b>MAXIMUM NUMBER OF FEET ABOVE GRADE PLANE</b>	-85 FEET/
<b>-3 STORIES PER TABLE 504.4</b>	
<b>ALLOWABLE FLOOR AREA (TABLE 506.2)</b>	
<b>-FOR OCCUPANCY "I-3"=</b>	45,000 sq. ft
<b>BUILDING AREAS (IBC):</b>	TABLE 1004.5
<b>LEVEL 1 =</b>	8974 GSF /120 GROSS PER OCCUPANT
<b>TOTAL =</b>	74 PERSONS

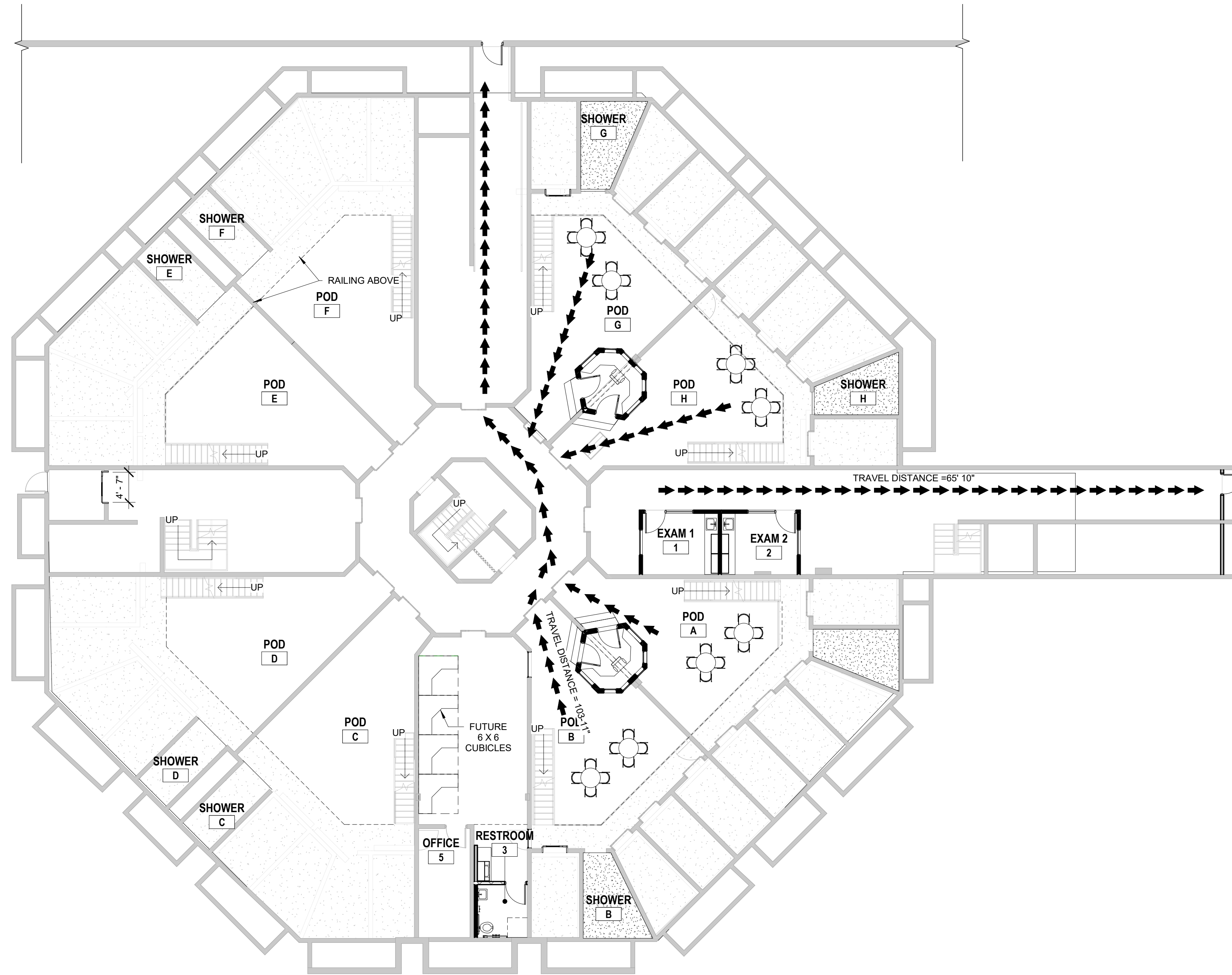
APPLICABLE CODES	
2018	INTERNATIONAL BUILDING CODE WITH GEORGIA AMENDMENTS (2020)
2018	INTERNATIONAL FIRE CODE WITH GEORGIA AMENDMENTS (2020)
2018	INTERNATIONAL PLUMBING CODE WITH GEORGIA AMENDMENTS (2020)
2018	INTERNATIONAL MECHANICAL CODE WITH GEORGIA AMENDMENTS (2020)
2018	INTERNATIONAL FUEL GAS CODE WITH GEORGIA AMENDMENTS (2020)
2020	NATIONAL ELECTRICAL CODE (NO GEORGIA AMENDMENTS)
2015	INTERNATIONAL ENERGY CONSERVATION CODE WITH GEORGIA SUPPLEMENTS AND AMENDMENTS (2020)
2018	NFPA 101, LIFE SAFETY CODE WITH GEORGIA AMENDMENTS (2020)
2019	NFPA 72, NATIONAL FIRE ALARM & SIGNALING CODE WITH GEORGIA AMENDMENTS (2020)
2019	NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS WITH GEORGIA AMENDMENTS (2020)
2010	ADA STANDARDS, PER RULES AND REGULATIONS OF THE SAFETY FIRE COMMISSIONER 120-3-20A

LIFE SAFETY PLAN LEGEND	
<b>SEPARATION PER IBC CHAPTER 5</b>	<b>OCCUPANCY PER LSC 7.3.1.2 PER GEORGIA AMENDMENTS TO THE IBC</b>
— NON-RATED PARTITION	AREA SF / OCCUPANT LOAD FACTOR = OCCUPANCY COUNT (REFER TO PLANS FOR ROOM OCCUPANCY CALCULATIONS)
<b>EXTINGUISHER LOCATION PER NFPA 10</b>	DETENTIONAL AND CORRECTIONAL USE = 120 GSF/PERSON
— FIRE EXTINGUISHER IN RECESSED CABINET	
● FE BRACKET MOUNTED FIRE EXTINGUISHER	
<b>CAPACITY PER LSC 7.3.3.1</b>	<b>ALLOWABLE DISTANCE PER IBC 1017.2</b>
STAIRS = 0.3"/PERSON	TRAVEL DISTANCE LIMIT = MAX. 200 FT.
DOORS = 0.2"/PERSON	COMMON PATH LIMIT = MAX. 100 FT. SPRINKLERED
32"W DOOR = 30" CLR. = 150 CAPACITY	PATH OF EGRESS WITHIN BUILDING
36"W DOOR = 34" CLR. = 170 CAPACITY	TRAVEL DISTANCE & COMMON PATH (SEE NOTES ON PLANS)
42"W DOOR = 40" CLR. = 200 CAPACITY	
48"W DOOR = 46" CLR. = 230 CAPACITY	
68"W DOOR = 64" CLR. = 320 CAPACITY	
72"W DOOR = 68" CLR. = 340 CAPACITY	
96"W DOOR = 92" CLR. = 460 CAPACITY	
<b>EXIT SIGNS PER IBC 1011</b>	
EXIT SIGNAGE (SHADING INDICATES FACE OF SIGN; ARROW SHOWN INDICATES DIRECTION)	→ TRAVEL PATH
● NOT IN SCOPE	● P.O.C. = POINT OF CHOICE

PLUMBING FIXTURE REQUIREMENTS									
OCCUPANCY	WATER CLOSETS		LAVATORIES		SHOWERS		SERVICE SINK		
INSTITUTIONAL	1 PER CELL		1 PER CELL		1 PER 15		1		
PLUMBING FIXTURE COUNT: (TOTAL OCCUPANCY 72 PERSONS)									
OCCUPANCY	WATER CLOSETS		LAVATORIES		SHOWERS		SERVICE SINK		
INSTITUTIONAL	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	
	1	1 per cell	1	1 per cell	1	4	1	1	
<b>NUMBER OF EXITS PER LSC 7.4.1.2</b>									
○ ○ ○ ACTUAL EGRESS COUNT									
◇ ◇ ◇ ACTUAL EGRESS COUNT									
<b>EGRESS CAPACITY:</b>									
	EXITS REQUIRED			PROVIDED					
	2			3					
<b>EGRESS WIDTH:</b>									
	WIDTH REQUIRED		WIDTH PROVIDED						
DOORS:	32"		34"						
CORRIDORS:	44"		60"						



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

7/6/2022 1:54:14 PM

**ROCKDALE COUNTY JAIL**  
**RENOVATIONS -**  
**MENTAL HEALTH WARD**  
 ROCKDALE COUNTY  
 911 CHAMBERS DR., NW  
 CONYERS, GA

**PRINT RECORD**

No.	DATE	DESCRIPTION

**Drawn By:** CSB      **Checked By:** WR

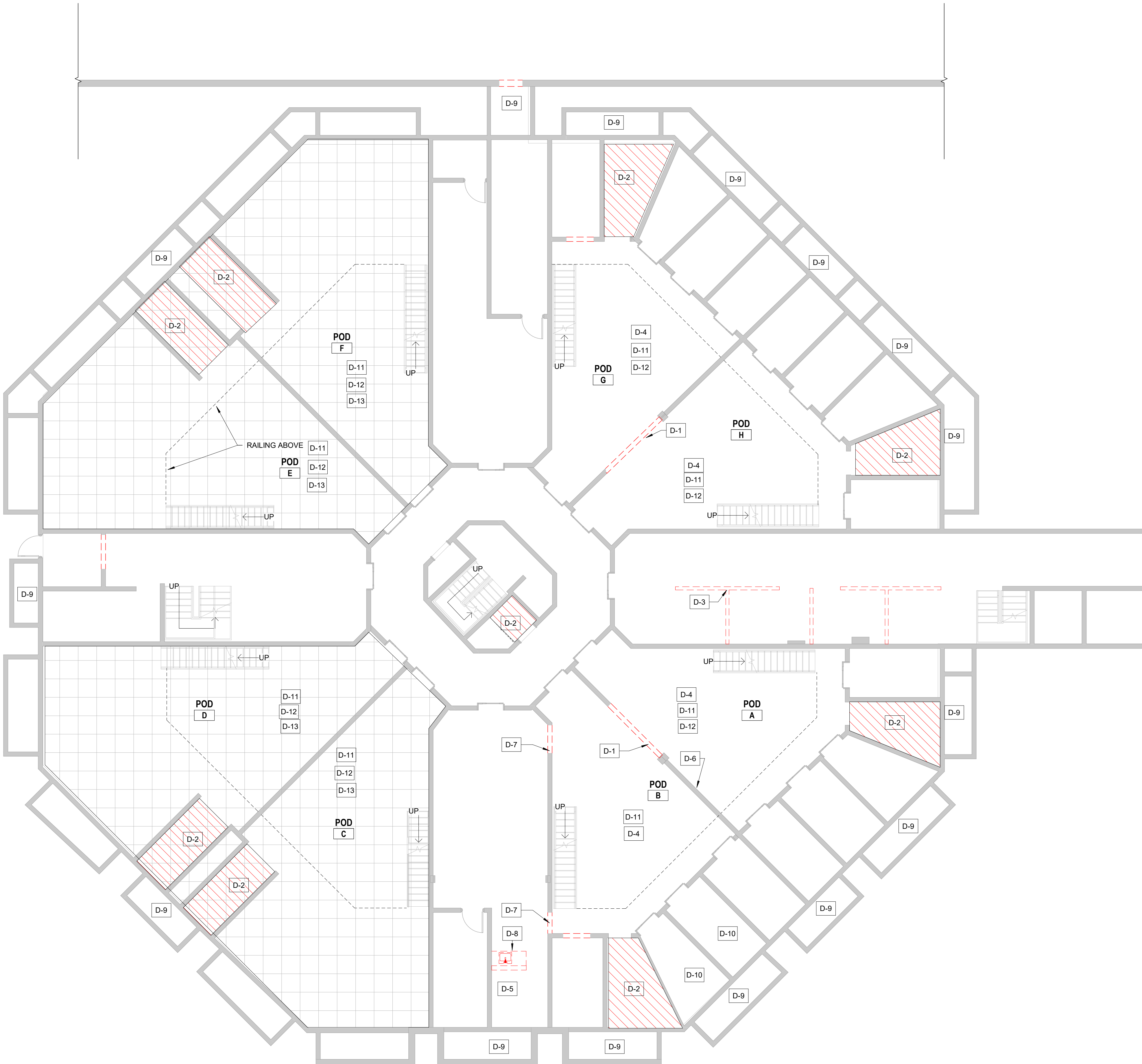
**Date:** 07.08.22      **Job No.:** 21074

**Sheet Title:** LIFE SAFETY PLAN

**Sheet No.:**

**LSP-1.01**

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### GENERAL DEMO NOTES

- CONTRACTOR TO TAKE CARE IN REMOVAL OF ANY ITEMS SCHEDULED OR NOT SCHEDULED FOR REUSE, SUCH AS FIXTURES, CEILING TILES, DOORS, DOOR FRAMES, HARDWARE, ETC. ITEMS TO BE OFFERED TO BUILDING OWNER FOR STOCK.
- DEMOLITION SHALL BE COMPLETED DURING THE HOURS OUTLINED IN CONTRACT.
- DUST FREE BARRIERS MUST BE MAINTAINED AND SECURED @ CEILING TO FLOOR BETWEEN OCCUPIED AREAS AND AREAS OF DEMOLITION EXCEPT @ ENTRANCE AND EXIT TO SPACE.
- ALL EXISTING SECURITY CAMERAS TO REMAIN. PROTECT DURING DEMOLITION.
- AREAS/WALLS DAMAGED BY CONSTRUCTION EFFORTS DUE TO DEMOLITION OF ADJACENT PARTITIONS SHALL BE PATCHED AND PREPARED FOR NEW FINISHES.
- SEE MECHANICAL, ELECTRICAL & PLUMBING DRAWINGS FOR FULL EXTENT OF DEMOLITION.
- GENERAL CONTRACTOR SHALL COORDINATE ANY HAZARDOUS ABATEMENT W/ OWNERS CONSULTANTS.
- GENERAL CONTRACTOR SHALL COORDINATE ALL PARTITION PENETRATIONS REQUIRED FOR INSTALLATION OF RENOVATION/NEW CONSTRUCTION. DEMOLITION PLANS ARE REPRESENTATIVE OF DEMOLITION PARAMETERS & ADDITIONAL WORK REQUIRED FOR PREPARATION OF EXISTING BUILDING SHALL BE COORDINATED W/ STRUCTURAL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, & PLUMBING/FIRE PROTECTION DOCUMENTS.
- GENERAL CONTRACTOR SHALL COORDINATE "ALL DEMOLITION" W/ EXISTING MECHANICAL, ELECTRICAL, PLUMBING, STRUCTURAL & CIVIL.
- GENERAL CONTRACTOR SHALL COORDINATE EXACT EXTENTS OF DEMOLITION W/ RENOVATION & NEW CONSTRUCTION. SEE ARCHITECTURAL, FOOD SERVICE, MECHANICAL, PLUMBING & ELECTRICAL DRAWINGS, NARRATIVES & SPECIFICATIONS FOR ADDITIONAL DEMOLITION W/ RESPECT TO RENOVATION/NEW CONSTRUCTION.
- IF DOCUMENTS/SPECIFICATIONS DO NOT ADDRESS RENOVATION/NEW CONSTRUCTION WHERE DEMOLITION HAS OCCURRED, IT'S THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PATCH/MATCH &/OR REPAIR ADJACENT AREAS \*AFFECTED BY DEMOLITION) TO PRE-EXISTING CONDITION PRIOR TO DEMOLITION.
- GENERAL CONTRACTOR SHALL CONSULT W/ OWNER TO DETERMINE IF OWNER WISHES TO SALVAGE & RETAIN OWNERSHIP OF ITEM/S BEING DEMOLISHED. IT'S THE GENERAL CONTRACTOR'S RESPONSIBILITY TO MAKE EVERY EFFORT TO SALVAGE ITEM/S IN AREAS TO BE DEMOLISHED AT THE REQUEST OF THE OWNER.

### DEMO PLAN KEY NOTES

KEY NO	KEYNOTE
D-1	REMOVE ENOUGH ROWS OF CMU SECTION IN WALL TO ACCOMMODATE NEW CONTROL ROOM. COORDINATE WITH STRUCTURAL ENGINEER DRAWINGS
D-2	REMOVE 2 X 2 TILES, ON FLOOR AND WALL. PREPARE FLOOR TO RECEIVE NEW EPOXY FLOOR, NEW DRAIN, AND NEW INTEGRAL BASE AND WALL PAINT. THIS INCLUDES SHOWERS ON FIRST FLOOR AND MEZZANINE LEVEL
D-3	REMOVE LOW WALLS. PREP FLOOR AND WALLS RECEIVE NEW PLUMBING AND TREATMENT ROOMS
D-4	REMOVE TWO(2) FIXED TABLE/CHAIR COMBINATION UNITS
D-5	PREPARE SLAB FOR ADDITION OF TOILET AND SINK
D-6	RELOCATE EXISTING (3) PHONES AND KIOSKS
D-7	REMOVE CMU BLOCKS FOR NEW WINDOWS. COORDINATE WITH STRUCTURAL ENGINEERS
D-8	REMOVE EXISTING SINK AND MILLWORK. PREP AREA FOR NEW WORK
D-9	SEE PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR EXTENT OF DEMOLITION WORK REQUIRED IN THIS AREA
D-10	REMOVE EXISTING MATERIALS IN THIS AREA IN PREPARATION FOR NEW PADDED CELL MATERIAL
D-11	REMOVE EXISTING CEILING TILES IN THIS AREA. GRID TO REMAIN.
D-12	REMOVE LIGHT FIXTURES IN CELLS AND OVER HEAD FIXTURES IN PODS A/B & G/H. PREPARE FOR NEW LIGHT FIXTURES.
D-13	ALL WORK IN PODS C,D,E,F TO BE PRICED AS AN ADD ALTERNATIVE

NOTE: REFERENCE MECHANICAL, ELECTRICAL & PLUMBING DRAWINGS & SPECIFICATIONS FOR ADDITIONAL DEMOLITION NOTES

### DEMO PLAN LEGEND

	EXISTING WALL TO REMAIN
	WORK TO BE DEMOLISHED/REMOVED
	SHOWER LOCATIONS
	KEY NOTES
	AREA TO BE PRICED AS ADD ALTERNATIVE



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**ROCKDALE COUNTY JAIL  
RENOVATIONS -  
MENTAL HEALTH WARD**  
 ROCKDALE COUNTY  
 911 CHAMBERS DR., NW  
 CONVERS, GA

### PRINT RECORD

No.	DATE	DESCRIPTION

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Date: 07.08.22      Job No.: 21074

Sheet Title:  
**DEMO PLAN - FIRST FLOOR**

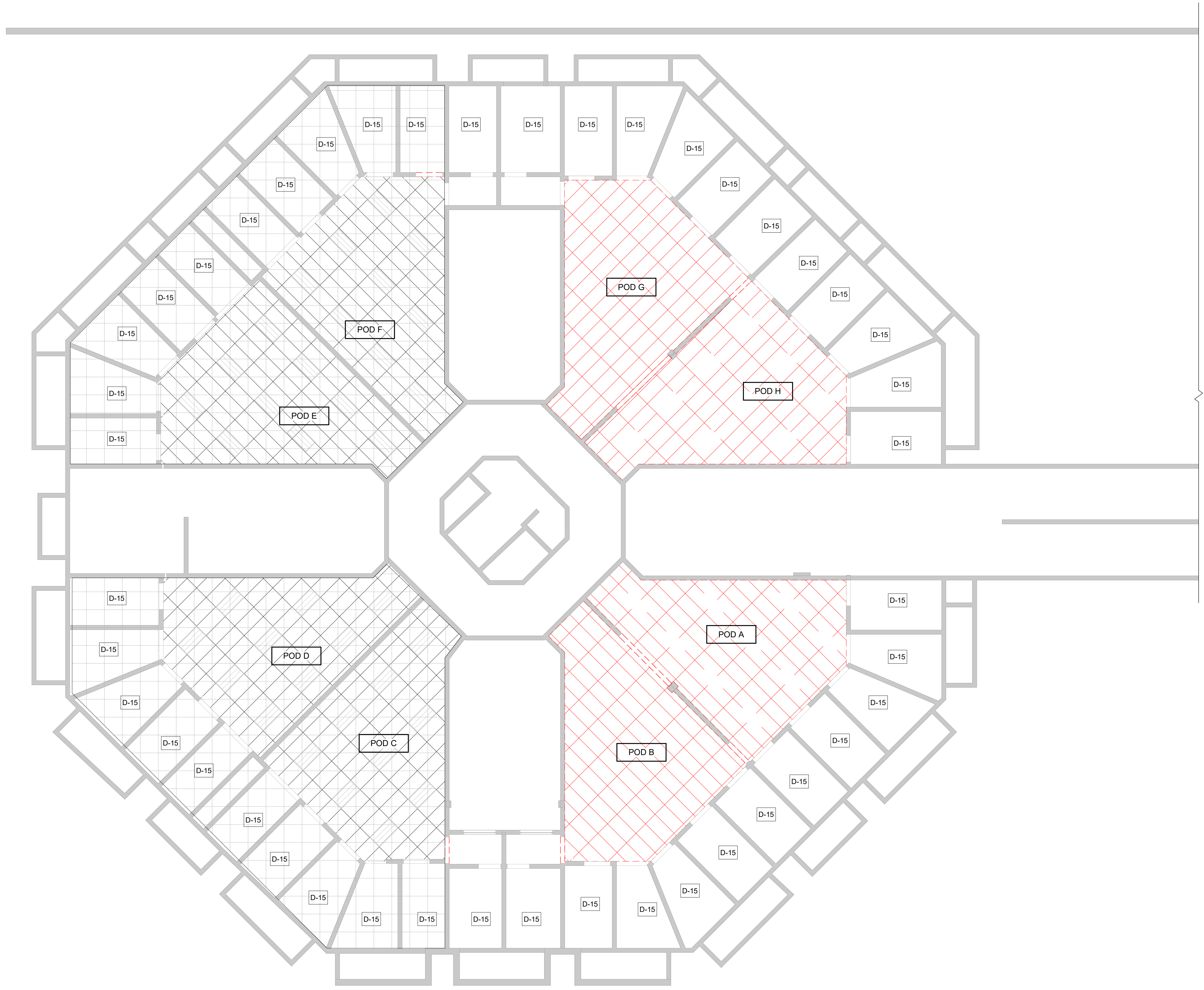
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BIM 360://21074 ROCO Mental Health Unit/21074 ROCO\_CENTRAL\_21.rvt



① RCP- DEMO-MEZZANINE LEVEL  
1/8" = 1'-0"

**LEGEND**

- EXISTING BUILDING WALLS AND CEILING
- NOT IN SCOPE
- REMOVE CEILING TILES. CEILING NOT TO BE DEMOLISHED.
- AREAS WHERE WORK IS TO BE PRICED AS ADD ALTERNATIVE

**DEMO PLAN KEY NOTES**

KEY NO	KEYNOTE
D-13	ALL WORK IN PODS C,D,E,F TO BE PRICED AS AN ADD ALTERNATIVE
D-15	ALL SHOWERS AND CELLS TO RECEIVED NEW LIGHTS. REMOVE EXISTING LIGHTS AND PREPARE FOR NEW ANTI-LIGITURE LIGHT



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**ROCKDALE COUNTY JAIL  
RENOVATIONS -  
MENTAL HEALTH WARD**

**ROCKDALE COUNTY**

911 CHAMBERS DR., NW  
CONVERS, GA

**PRINT RECORD**

No.	DATE	DESCRIPTION

**Drawn By**  
CSB

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WR

**Date**  
07.08.22

**Job No.**  
21074

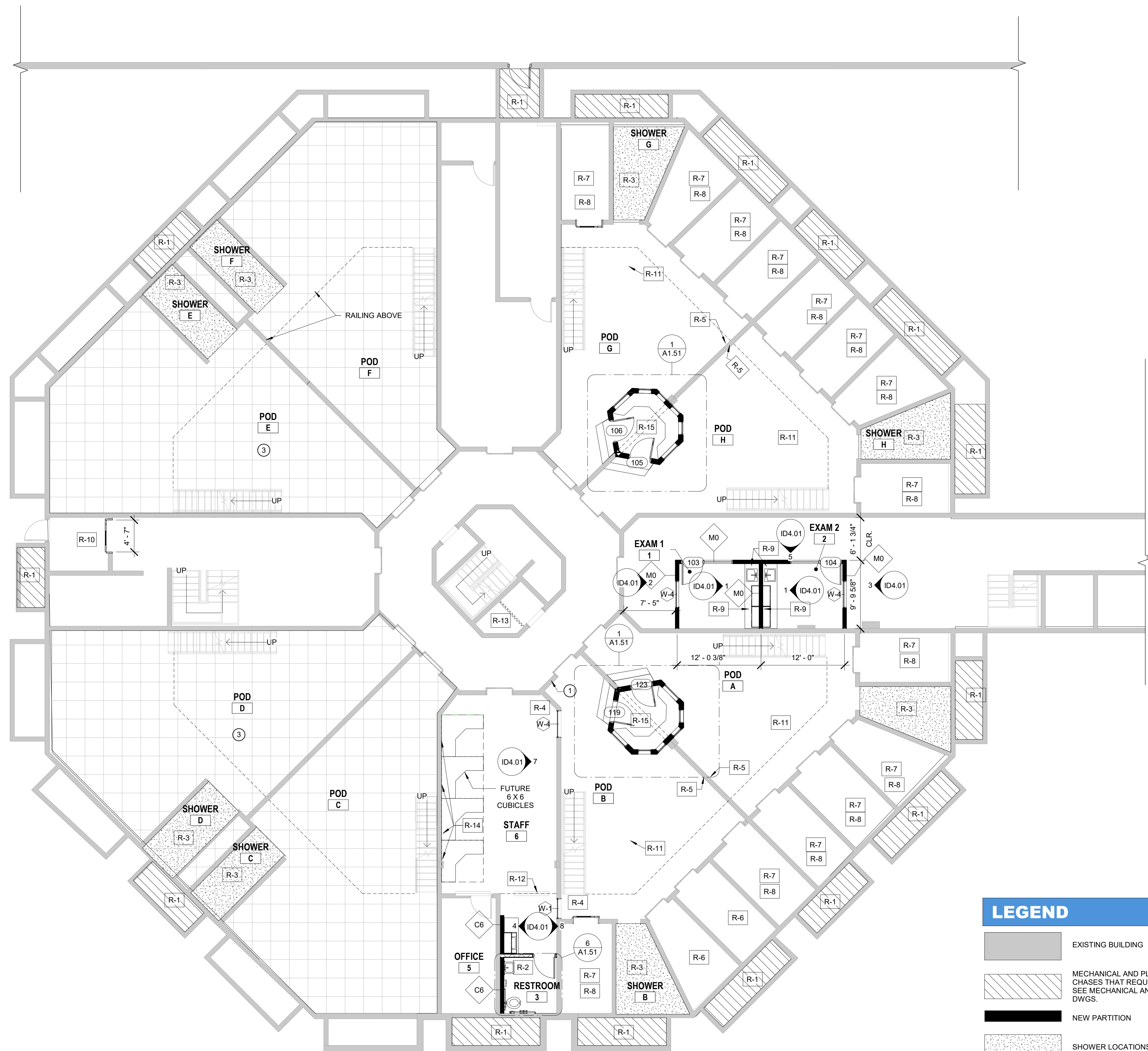
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**DEMO REFLECTED  
CEILING PLAN**

**Sheet No.**  
**D-2.01**

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FLOOR PLAN KEY NOTES	
KEY NO	KEYNOTE
R-1	PLUMBING AND MECHANICAL CHASE- CLEAN UP MECHANICAL AND ELECTRICAL. GET PLUMBING IN WORKING ORDER. SEE MECHANICAL AND ELECTRICAL DRAWINGS
R-2	ADD DOOR AND WALL TO CREATE A PRIVATE BATHROOM. ADD WALL HUNG SINK AND TOILET
R-3	SHOWERS- ADD NEW SHOWER FIXTURES, SHOWER DRAIN, NEW EPOXY FLOOR WITH INTEGRAL 8" BASE. ADD EPOXY PAINT TO WALLS- SEE FINISH SCHEDULE FOR COLOR
R-4	ADD (2) 4' X 4' CORRECTIONAL RATED WINDOW ASSEMBLY
R-5	RELOCATE PHONES HERE
R-6	NEW PADDED CELLS; REMOVE BUNKS AND COMBINATION UNIT. ADD FLUSHING FLOOR DRAIN, INTERCOM, AND DRINKING WATER ACCESS. COORDINATE WITH "MARATHON ENGINEERING" FOR PADDED CELL CONSTRUCTION. SEE EXISTING PADDED CELLS FOR REFERENCE.
R-7	PROVIDE RECESSED INTERCOM JUNCTION BOX. PROVIDE 1/2" CONDUIT FROM CELL JUNCTION BOX TO TOWER. SEE ADDENDUM FOR INTERCOM LOCATIONS
R-8	PROVIDE 1/2" CONDUIT FROM CELL CAMERA LOCATION TO TOWER. SEE ADDENDUM FOR CAMERA LOCATIONS.
R-9	EXAM ROOMS TO HAVE PANIC BUTTON AND DOUBLE DATA OUTLET
R-10	REPAIR 48" DOOR
R-11	(2) 4 TOP TABLES IN EACH POD
R-12	ADD ONE WAY GLASS TO ISOLATION CELLS ABOVE STAFF WORK AREA
R-13	DECONTAMINATION SHOWER- ADD 4" CURB AT DOORWAY TO HALL- NO SHOWER CURTAIN. ADD NEW EPOXY FLOOR AND EPOXY WALL PAINT. ADD ANTLIGHTURE TOWEL HOOKS
R-14	ADD 1 DUPLEX OUTLET & 1 DOUBLE DATA OUTLET PER CUBICLE. MOUNTED AT STD. HT.
R-15	NEW CONTROL ROOMS WILL NEED (2) QUAD OUTLETS, 1 DOUBLE DATA OUTLET, AND INTERCOM

- ADD ALTERNATIVES**
- ① ADD TV OVER DOOR AND BELOW "TOWER" WINDOWS
  - ② PRICE OPTION OF REPLACING ROOF
  - ③ PRICE ALL WORK IN PODS C,D,E,F AS ADD ALTERNATIVE

LEGEND	
	EXISTING BUILDING
	MECHANICAL AND PLUMBING CHASES THAT REQUIRE UPDATING. SEE MECHANICAL AND PLUMBING DWGS.
	NEW PARTITION
	SHOWER LOCATIONS
	KEYNOTES
	WORK IN THESE AREAS NEED TO BE PRICED AS AN ADD ALTERNATIVE

① FIRST FLOOR - REFERENCE PLAN  
1/8" = 1'-0"

**ROCKDALE COUNTY JAIL  
RENOVATIONS -  
MENTAL HEALTH WARD**  
 ROCKDALE COUNTY  
 911 CHAMBERS DR., NW  
 CONYERS, GA

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No.	DATE	DESCRIPTION

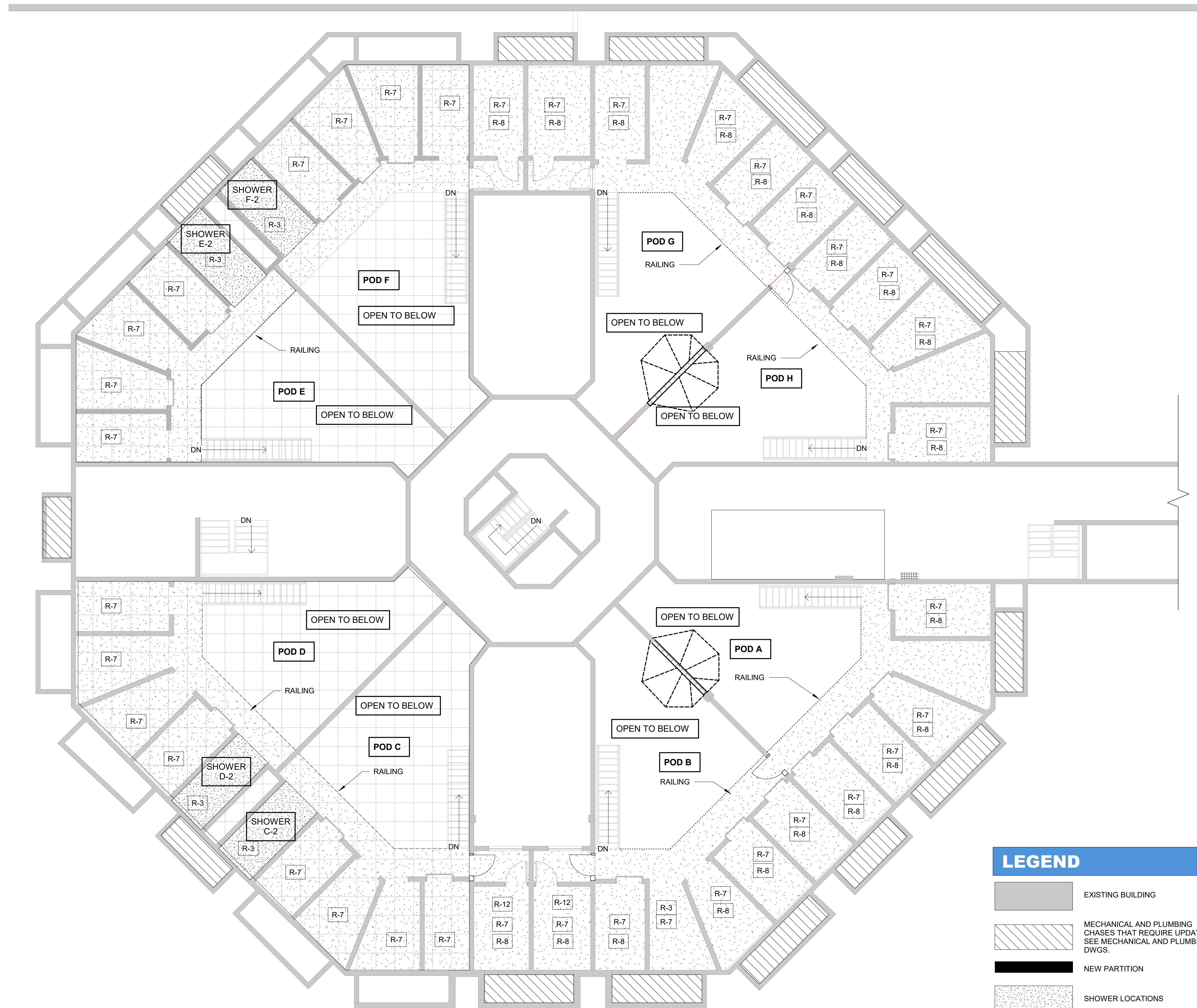
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### FLOOR PLAN KEY NOTES

KEY NO	KEYNOTE
R-1	PLUMBING AND MECHANICAL CHASE- CLEAN UP MECHANICAL AND ELECTRICAL. GET PLUMBING IN WORKING ORDER. SEE MECHANICAL AND ELECTRICAL DRAWINGS
R-2	ADD DOOR AND WALL TO CREATE A PRIVATE BATHROOM. ADD WALL HUNG SINK AND TOILET
R-3	SHOWERS- ADD NEW SHOWER FIXTURES, SHOWER DRAIN, NEW EPOXY FLOOR WITH INTEGRAL 8" BASE. ADD EPOXY PAINT TO WALLS- SEE FINISH SCHEDULE FOR COLOR
R-4	ADD (2) 4' X 4' CORRECTIONAL RATED WINDOW ASSEMBLY
R-5	RELOCATE PHONES HERE
R-6	NEW PADDED CELLS; REMOVE BUNKS AND COMBINATION UNIT. ADD FLUSHING FLOOR DRAIN, DRINKING WATER ACCESS. COORDINATE WITH "MARATHON ENGINEERING" FOR PADDED CELL CONSTRUCTION. SEE EXISTING PADDED CELLS FOR REFERENCE.
R-7	PROVIDE RECESSED INTERCOM JUNCTION BOX. PROVIDE 1/2 CONDUIT FROM CELL JUNCTION BOX TO TOWER. SEE ADDENDUM FOR INTERCOM LOCATIONS
R-8	PROVIDE 1/2" CONDUIT FROM CELL CAMERA LOCATION TO TOWER. SEE ADDENDUM FOR CAMERA LOCATIONS.
R-9	EXAM ROOMS TO HAVE PANIC BUTTON AND DOUBLE DATA OUTLET
R-10	REPAIR 48" DOOR
R-11	(2) 4 TOP TABLES IN EACH POD
R-12	ADD ONE WAY GLASS TO ISOLATION CELLS ABOVE STAFF WORK AREA
R-13	DECONTAMINATION SHOWER- ADD 4" CURB AT DOORWAY TO HALL- NO SHOWER CURTAIN. ADD NEW EPOXY FLOOR AND EPOXY WALL PAINT. ADD ANTLIGHTURE TOWEL HOOKS
R-14	ADD 1 DUPLEX OUTLET & 1 DOUBLE DATA OUTLET PER CUBICLE. MOUNTED AT STD. HT.
R-15	NEW CONTROL ROOMS WILL NEED (2) QUAD OUTLETS, 1 DOUBLE DATA OUTLET, AND INTERCOM

**ALL WORK IN PODS C,D,E,F IS TO BE PRICED AS ADD ALTERNATE**

### LEGEND

- EXISTING BUILDING
- MECHANICAL AND PLUMBING CHASES THAT REQUIRE UPDATING. SEE MECHANICAL AND PLUMBING DWGS.
- NEW PARTITION
- SHOWER LOCATIONS
- AREA OF WORK TO BE PRICED AS AN ADD ALTERNATIVE
- XX-X KEYNOTES

① MEZZANINE- SECOND FLOOR  
1/8" = 1'-0"



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## ROCKDALE COUNTY JAIL RENOVATIONS - MENTAL HEALTH WARD

ROCKDALE COUNTY  
911 CHAMBERS DR., NW  
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### PRINT RECORD

No.	DATE	DESCRIPTION

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Date: 07.08.22      Job No.: 21074

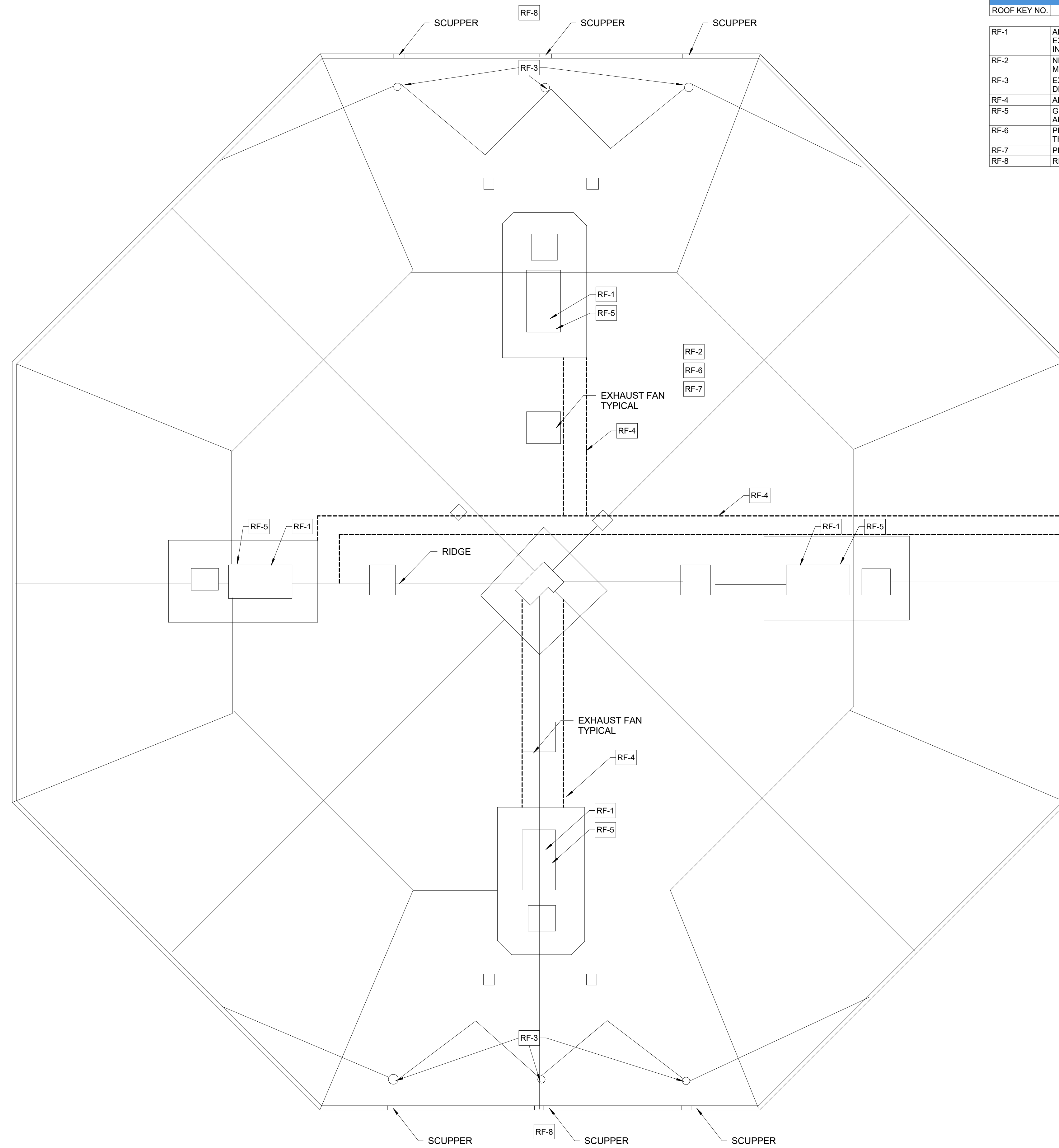
Sheet Title  
**MEZZANINE**

Sheet No.

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ROOF PLAN KEY NOTES	
ROOF KEY NO.	ROOF KEYNOTE
RF-1	ALL EXISTING RTU'S TO REMAIN. RE-USE EXISTING CURBS AND USE CURB EXTENSIONS SHOULD ADDITIONAL HEIGHT BE REQUIRED WITH THE NEW INSULATION.
RF-2	NEW TPO ROOF PER ROCKDALE COUNTY STANDARD SPECIFICATIONS. ROOFING MATERIALS TO MEET OR EXCEED FM 4477, UL 580, UL 1897.
RF-3	EXISTING ROOF DRAINS. SEE PLUMBING DRAWINGS FOR SCUPPER SIZE AND DRAIN SIZE.
RF-4	ADD NEW WALK PADS IN THE CURRENT WALK PAD LOCATIONS.
RF-5	GC TO RECONNECT ELECTRICAL/GAS TO RTU'S IF THEY ARE DISCONNECTED TO ADD NEW ROOF.
RF-6	PROVIDE NEW INSULATION PRODUCT THAT MEETS R-25 ENERGY REQUIREMENTS. THICKNESS TO MATCH EXISTING INSULATION.
RF-7	PROVIDE NEW COPING.
RF-8	REPLACE EXISTING SCUPPERS WITH NEW SCUPPERS OF SAME SIZE.

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



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**ROCKDALE COUNTY JAIL  
RENOVATIONS -  
MENTAL HEALTH WARD**  
ROCKDALE COUNTY  
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Sheet Title  
**ROOF PLAN**

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**A1.3**  
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TOILET ACCESSORIES							
SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	TYPICAL MOUNTING HEIGHT	FURNISHED BY	INSTALLED BY	QUANTITY
1	TOILET TISSUE DISPENSER	BOBRICK WASHROOM EQUIPMENT, INC.	B-6867		GC	GC	1
2	Bobrick B-270 Contura Series Surface Mounted Sanitary Napkin Disposal	Bobrick Washroom Equipment, Inc.	B-270		GC	GC	1
3	PAPER TOWEL DISPENSER, SURFACE MOUNTED	BOBRICK WASHROOM EQUIPMENT, INC.	B-262		GC	GC	1
4	1 1/2" DIA. GRAB BARS	BOBRICK WASHROOM EQUIPMENT, INC.	8122-00142; 8122-00136	2'-9" A.F.F. TO CENTERLINE	GC	GC	1



**ROCKDALE COUNTY JAIL**  
**RENOVATIONS -**  
**MENTAL HEALTH WARD**  
 ROCKDALE COUNTY  
 911 CHAMBERS DR., NW  
 CONYERS, GA

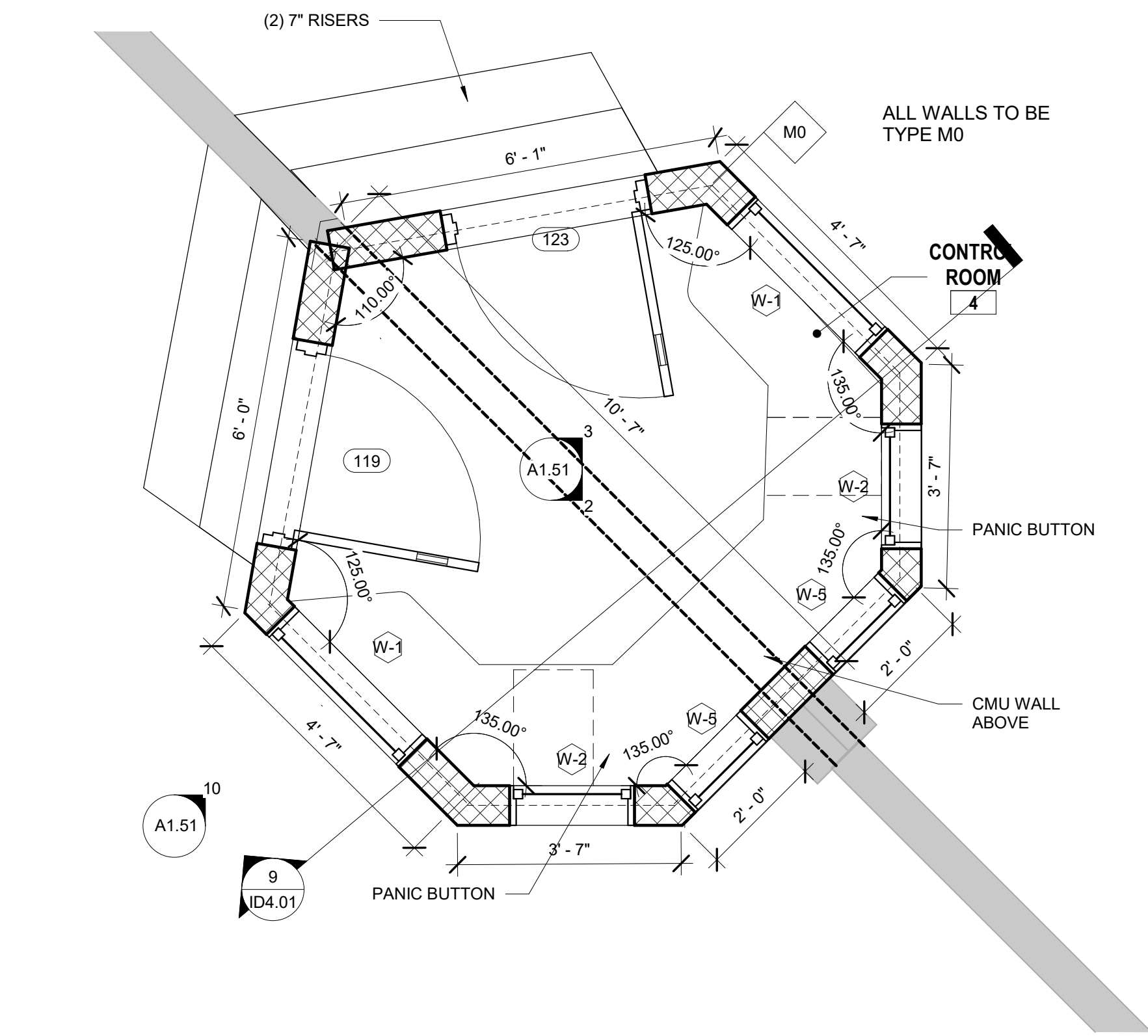
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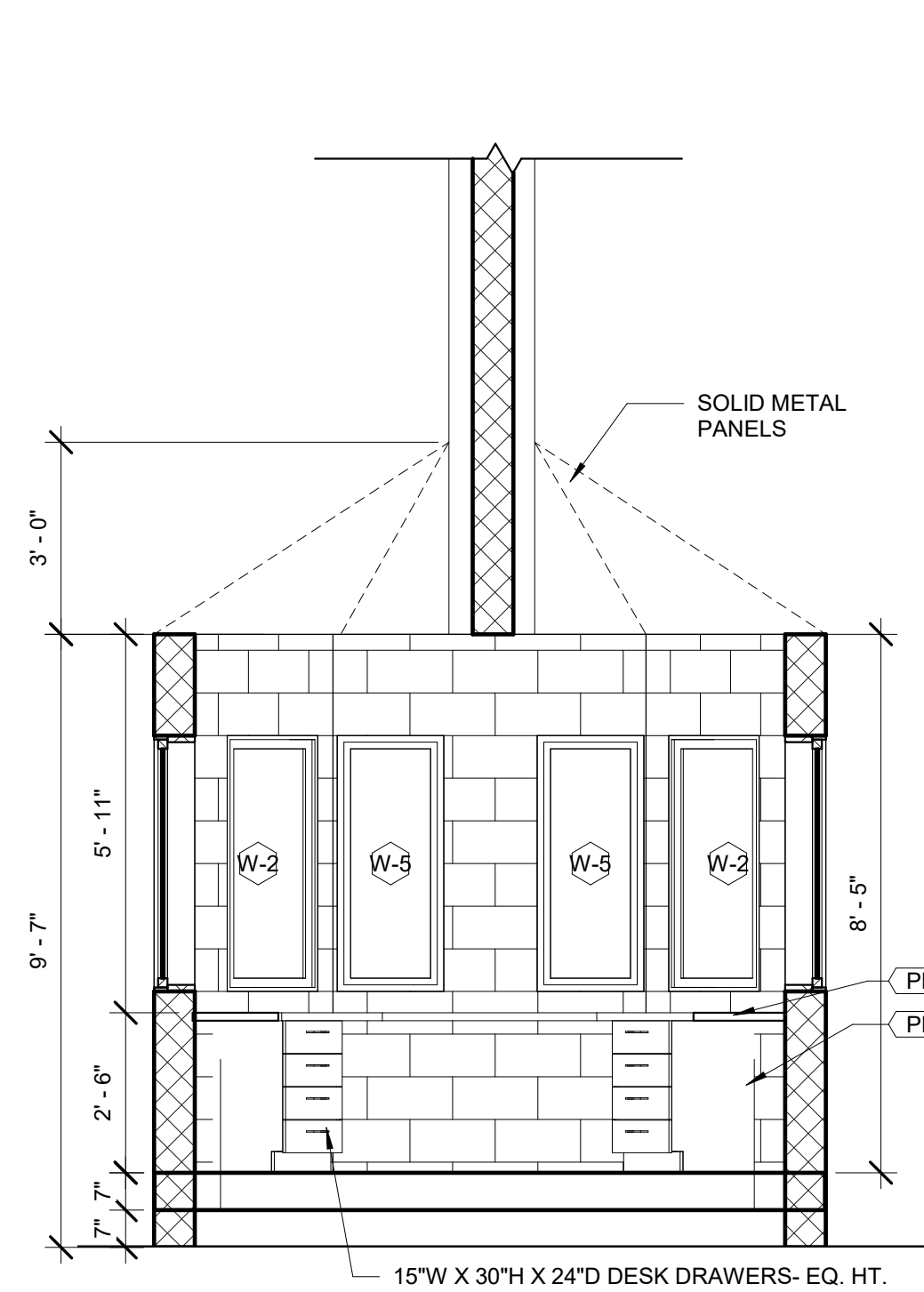
Drawn By: CSB  
 Checked By: WR  
 Date: 07.08.22  
 Job No.: 21074

Sheet Title:  
**ENLARGED PLAN AND DETAILS**

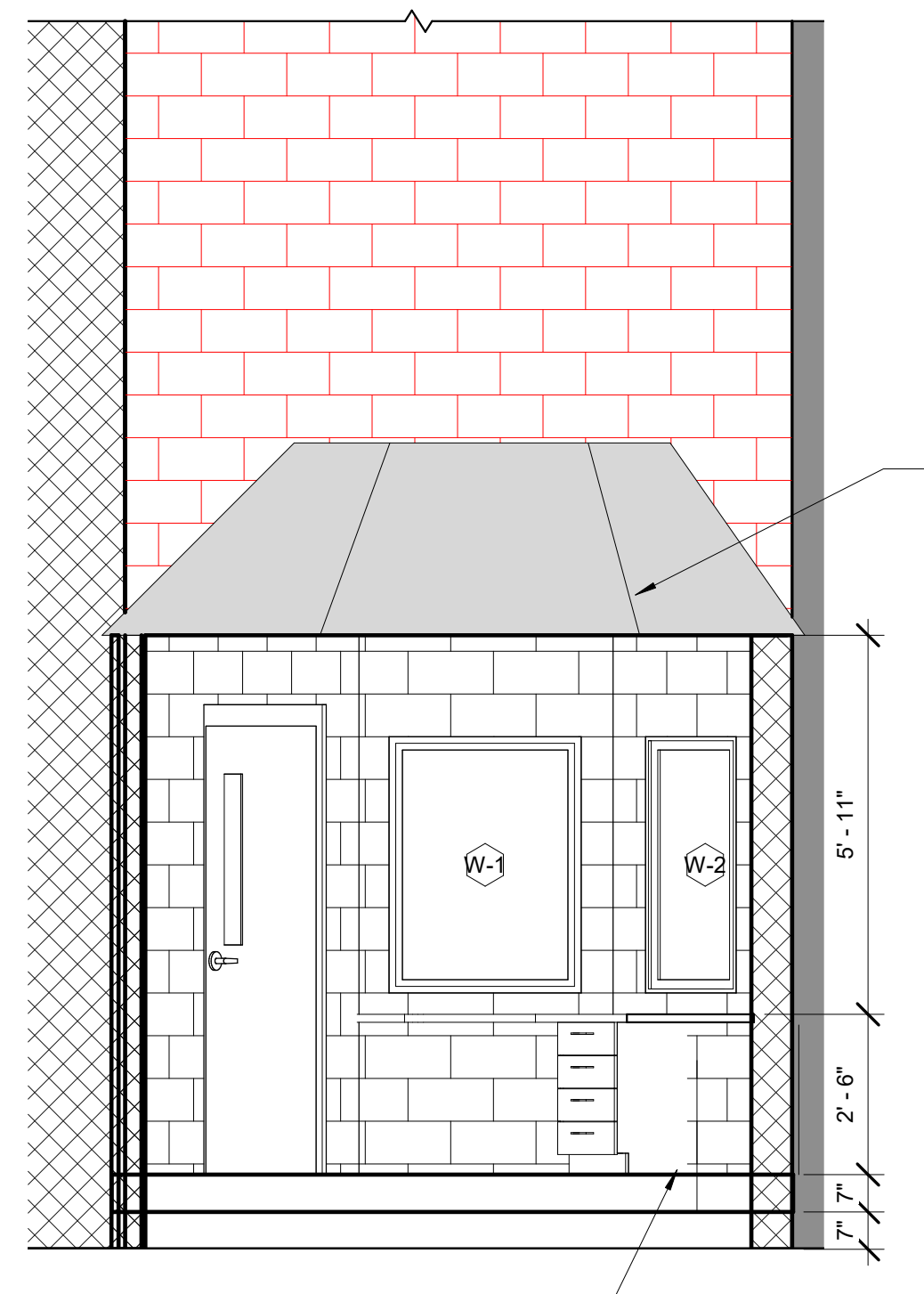
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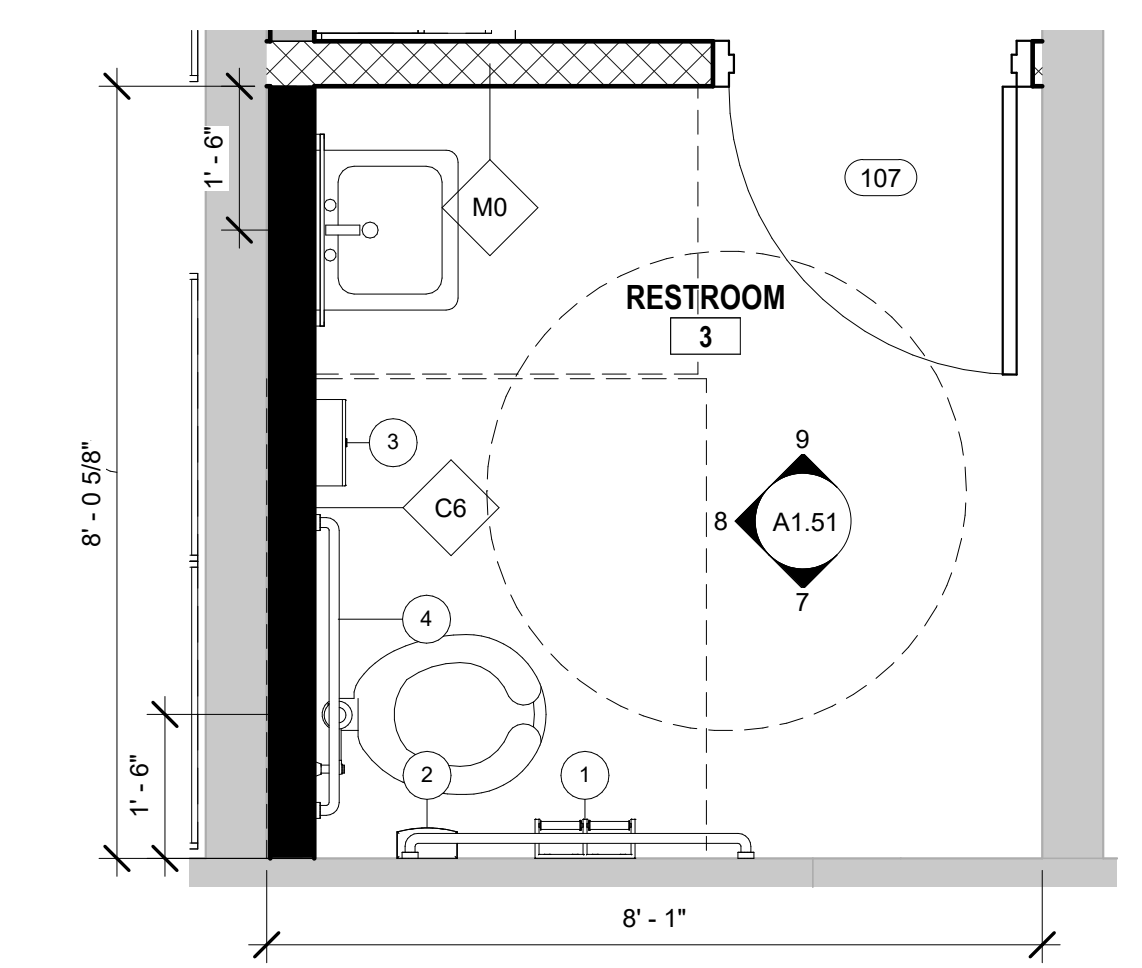
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1/2" = 1'-0"



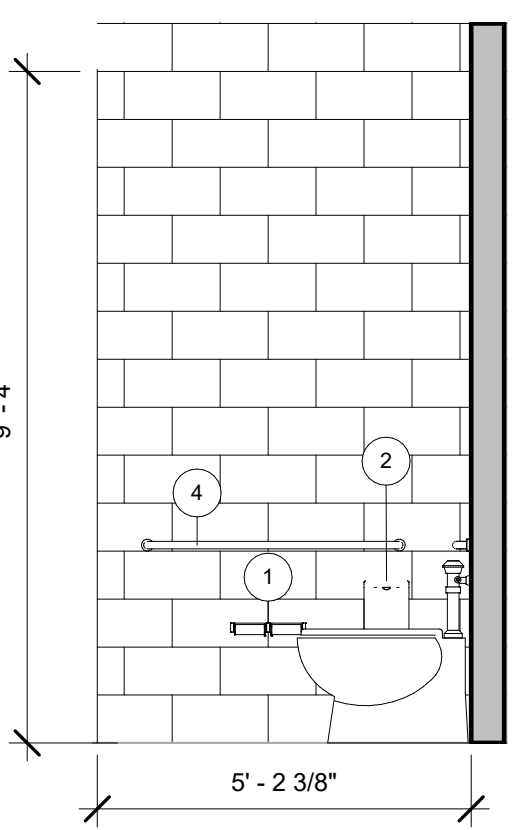
2 CONTROL ROOM DESK  
3/8" = 1'-0"



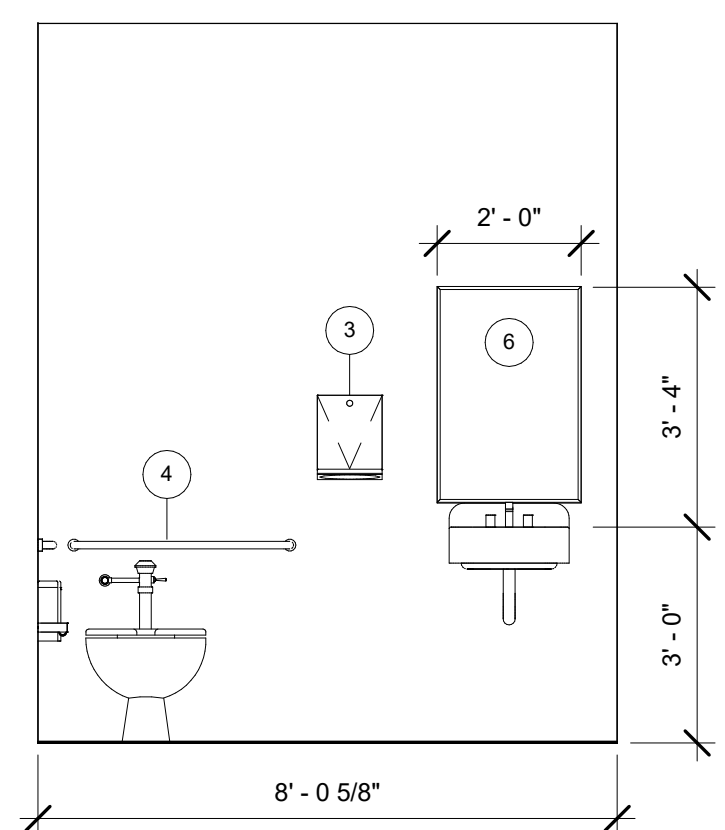
3 CONTROL ROOM DESK - NORTH  
3/8" = 1'-0"



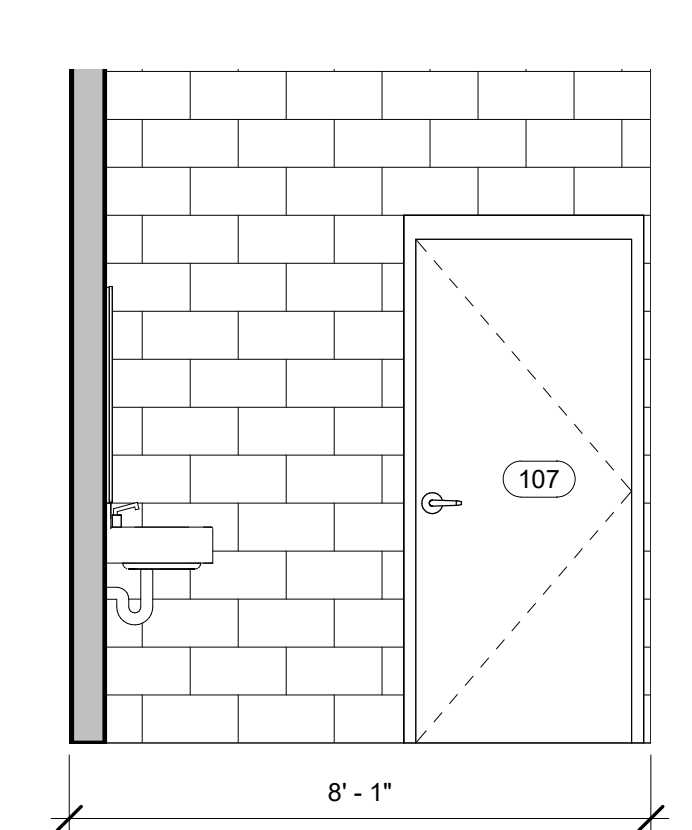
6 FLOOR PLAN - ENLARGED PLAN - RESTROOM  
1/2" = 1'-0"



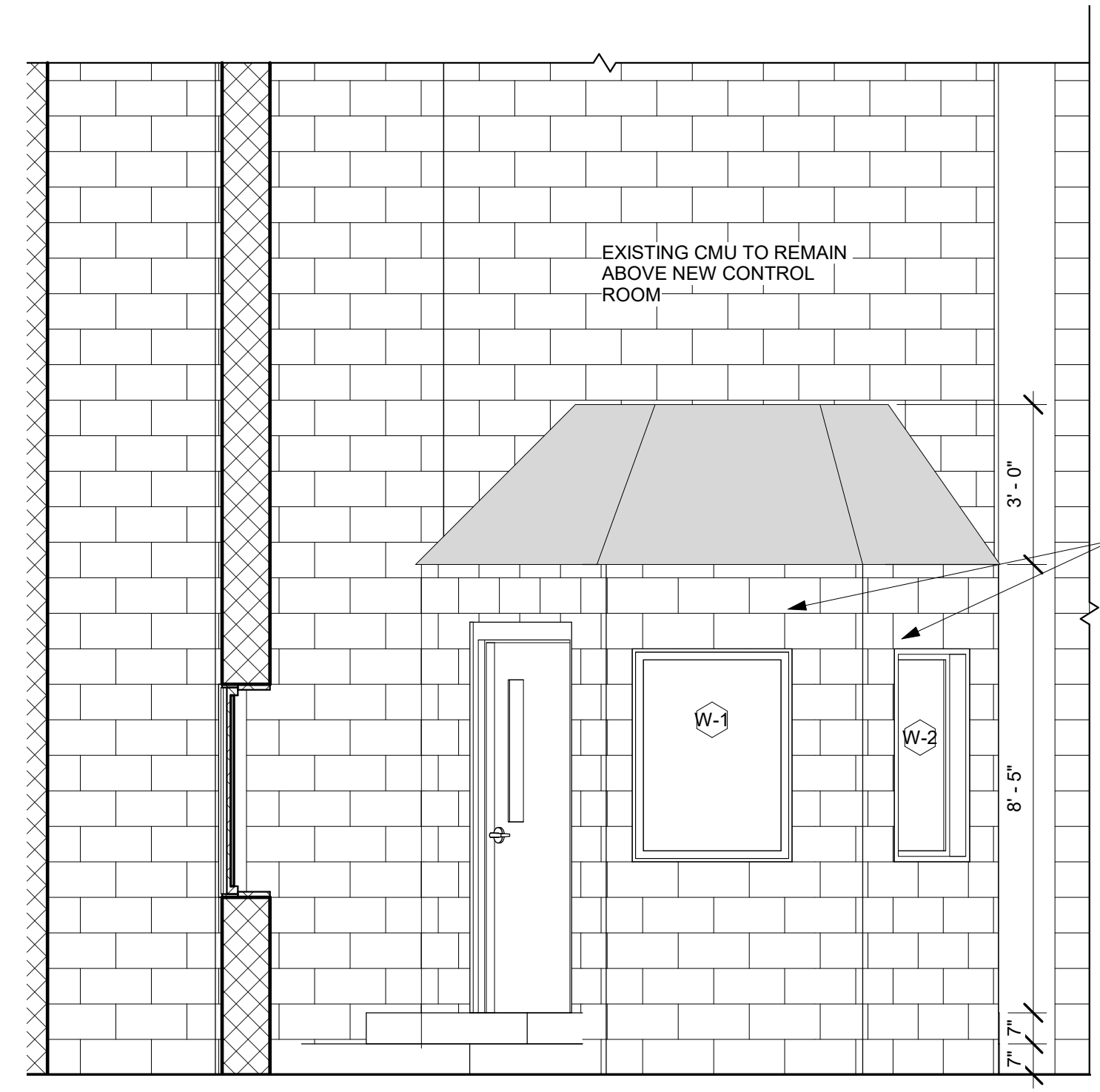
7 RESTROOM - SOUTH  
3/8" = 1'-0"



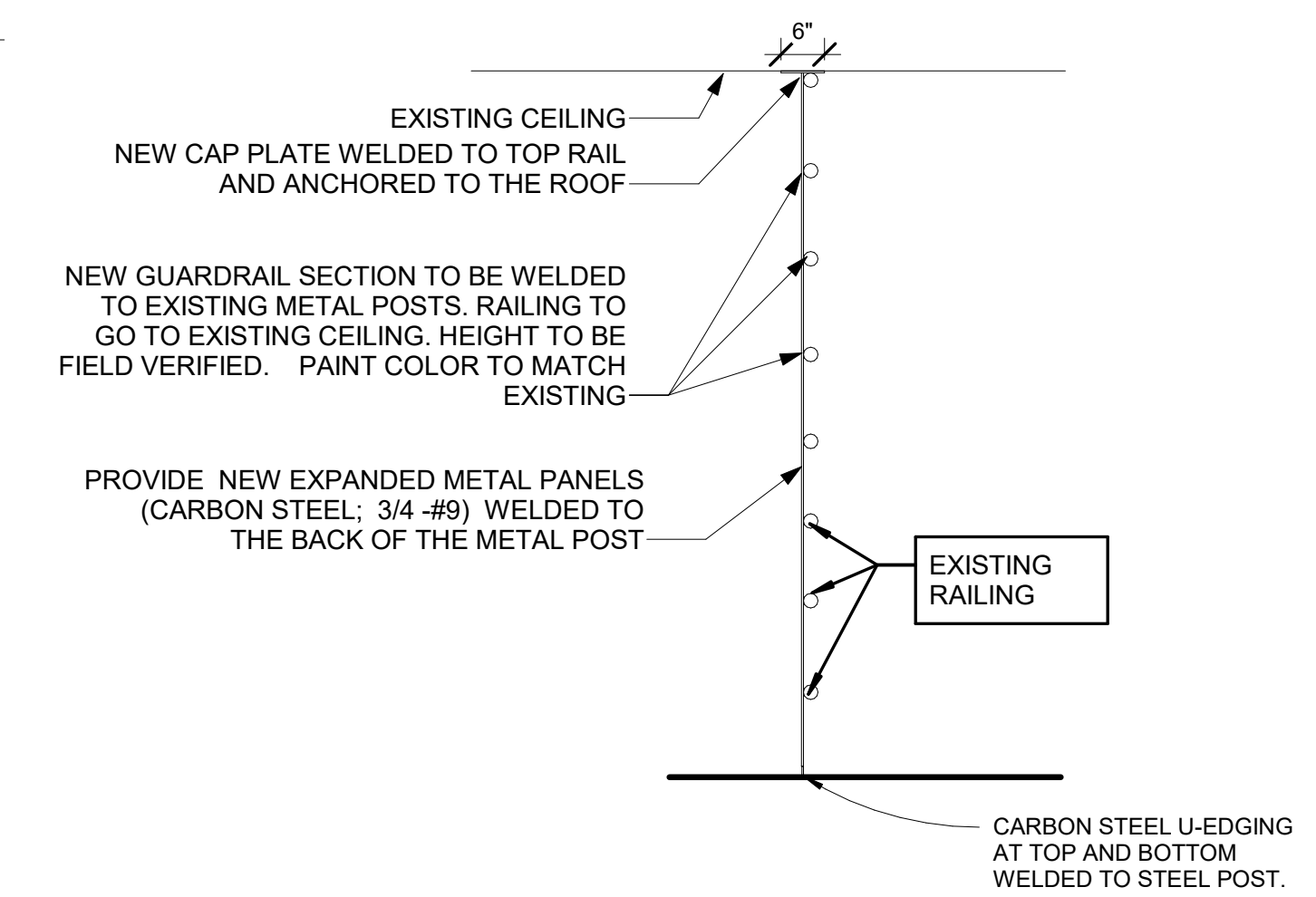
8 RESTROOM - WEST  
3/8" = 1'-0"



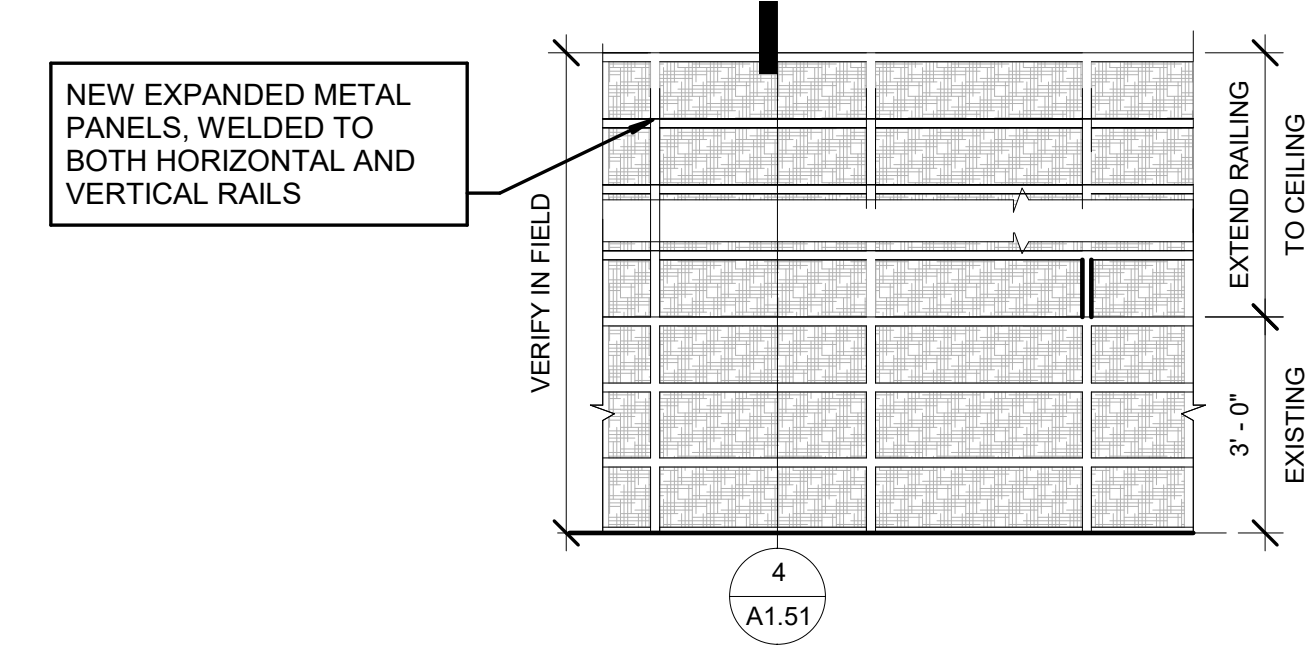
9 RESTROOM - NORTH  
3/8" = 1'-0"



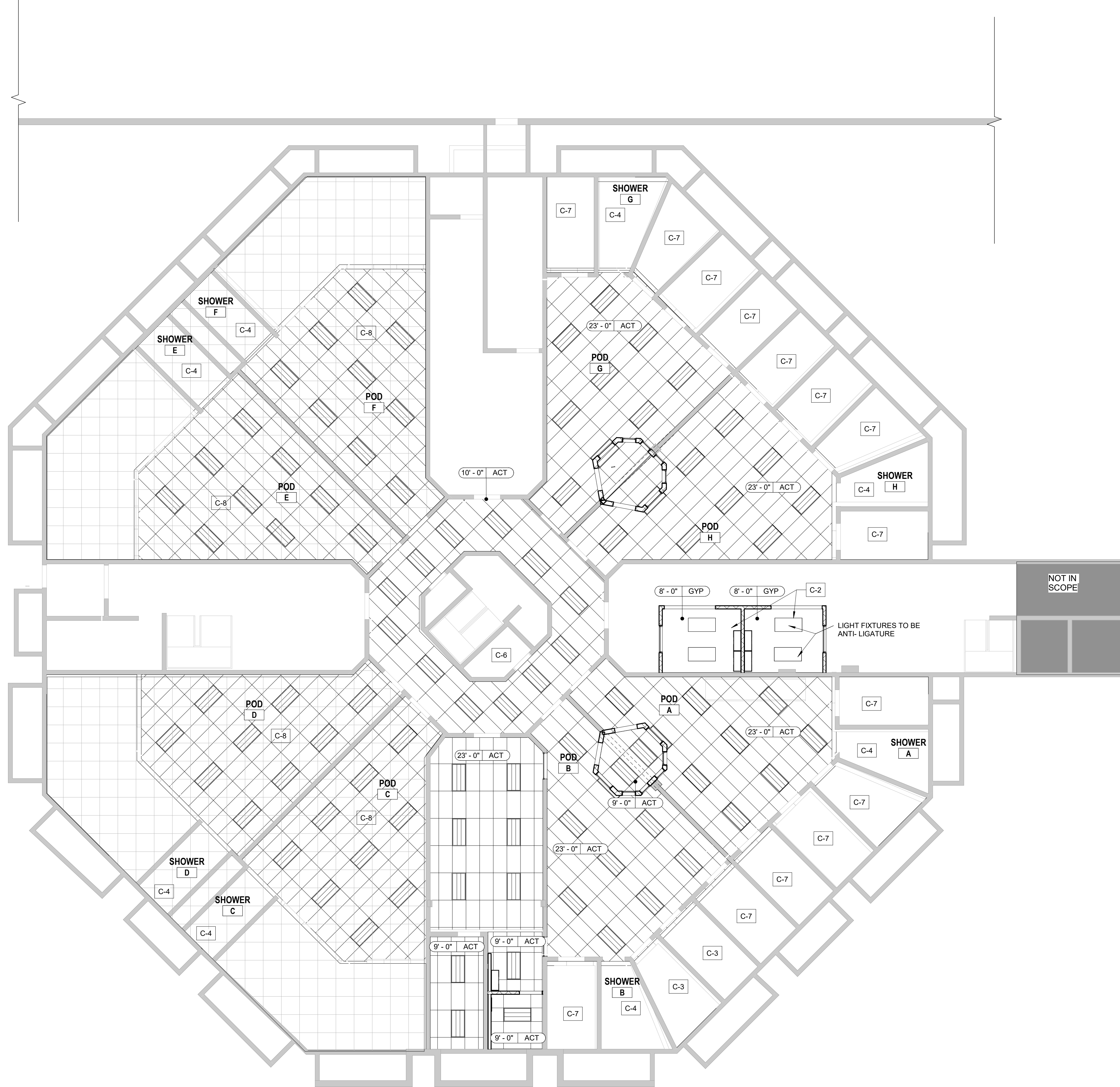
10 CONTROL ROOM NORTH  
3/8" = 1'-0"



4 GUARDRAIL WITH EXPANDED METAL SECTION  
1/2" = 1'-0"



5 GUARDRAIL WITH EXPANDED METAL  
3/8" = 1'-0"



### RCP KEY NOTES

KEY NO	KEY NOTE
C-1	NOT USED
C-2	GYP. CEILING WITH SLOPED ROOF.
C-3	PADDED CELLS TO HAVE TAMPER- RESISTANT SPRINKLER HEADS AND ANTI-LIGATURE LIGHT FIXTURE. SEE EXISTING PADDED CELLS FOR REFERENCE.
C-4	ADD NEW TAMPER RESISTANT ANTI LIGATURE LIGHTS IN EXISTING SHOWERS. CEILINGS TO GET NEW EPOXY PAINT
C-5	NOT USED
C-6	DECONTAMINATION SHOWER TO GET NEW TAMPER RESISTANT ANTI LIGATURE LIGHT FOR WET LOCATIONS AND EPOXY PAINTED CEILING
C-7	CELLS TO GET NEW TAMPER RESISTANT AND ANTI LIGATURE LIGHT
C-8	EXISTING CEILING TILES AND LIGHTS TO REMAIN

### LEGEND

	EXISTING BUILDING WALLS AND CEILING
	NOT IN SCOPE
	AREA WHERE ALL WORK IS TO BE PRICED AS ADD ALTERNATIVE

### RCP LEGEND

	DOWN LIGHT		EXIT SIGNAGE (SHADING INDICATES FACE OF SIGN; ARROW SHOWN INDICATES DIRECTION)
	WET LABEL DOWN LIGHT		
	2X2 LAY-IN LIGHT		ACCESS PANEL
	2X4 LAY-IN LIGHT		CEILING TAG
	2X4 FLAT PANEL LIGHT		GYPSUM BOARD CEILING
			LAY-IN CEILING GRID

ACT-1: ACOUSTICAL CEILING TILE  
MFR: ARMSTRONG, BASIS OF DESIGN  
STYLE: CORTEGA ANGLED TEGULAR  
MODEL NO: 704  
EDGE: ANGLED TEGULAR  
SIZE: 2' X 2' X 3/4"  
COLOR: WHITE  
GRID: 15/16" PRELUDE  
COLOR: WHITE

### RCP GENERAL NOTES

- CONSTRUCTION PROFESSIONAL SHALL FIELD VERIFY ALL FIXTURE LOCATIONS. ANY CONFLICT WITH FIELD CONDITIONS, DRAWINGS AND/OR OTHER TRADES SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY UPON DISCOVERY FOR CLARIFICATION PRIOR TO PROCEEDING WITH ASSOCIATED WORK.
- PROVIDE AND INSTALL CEILING TILE, MAIN TEES, CROSS TEES, WALL MOULDINGS AND OTHER ACCESSORIES NECESSARY TO COMPLETE THE SCOPE OF WORK.
- ALL ADJACENT LIGHT SWITCHES SHALL BE GANGED WITH A SINGLE FACE PLATE.
- UNLESS APPROVED BY THE ARCHITECT, ALL THERMOSTATS SHALL BE LOCATED DIRECTLY ADJACENT TO THE LIGHT SWITCH IN THE ROOM IN WHICH IT OCCURS.
- CENTER ALL SPRINKLER HEADS IN CEILING TILES WHERE POSSIBLE. ALL SPRINKLER HEADS IN GYPSUM BOARD TO BE RECESSED & CONCEALED.
- CENTER ALL LIGHT FIXTURES IN SPACE, U.N.O. ALL RECESSED LIGHT FIXTURES SHALL BE CENTERED IN CEILING TILES WHERE POSSIBLE, U.N.O.
- CONSTRUCTION PROFESSIONAL WILL ENSURE THAT LENSES IN LIGHTING FIXTURES ARE CLEAN AND FREE OF DUST, DIRT AND SMUDGES. PLASTIC AND LABELS SHALL BE REMOVED FROM ALL LIGHT FIXTURES AT PROJECT COMPLETION.
- NO SUBSTITUTES WILL BE ACCEPTED FOR ANY LIGHT FIXTURES UNLESS APPROVED BY ARCHITECT IN WRITING.
- ALL EXPOSED CEILINGS PAINTED WITH DRYFALL, U.N.O.



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**ROCKDALE COUNTY JAIL  
RENOVATIONS -  
MENTAL HEALTH WARD**  
ROCKDALE COUNTY  
911 CHAMBERS DR., NW  
CONYERS, GA

### PRINT RECORD

No.	DATE	DESCRIPTION

**Drawn By** CSB      **Checked By** WR  
**Date** 07.08.22      **Job No.** 21074  
**Sheet Title**  
**RCP**

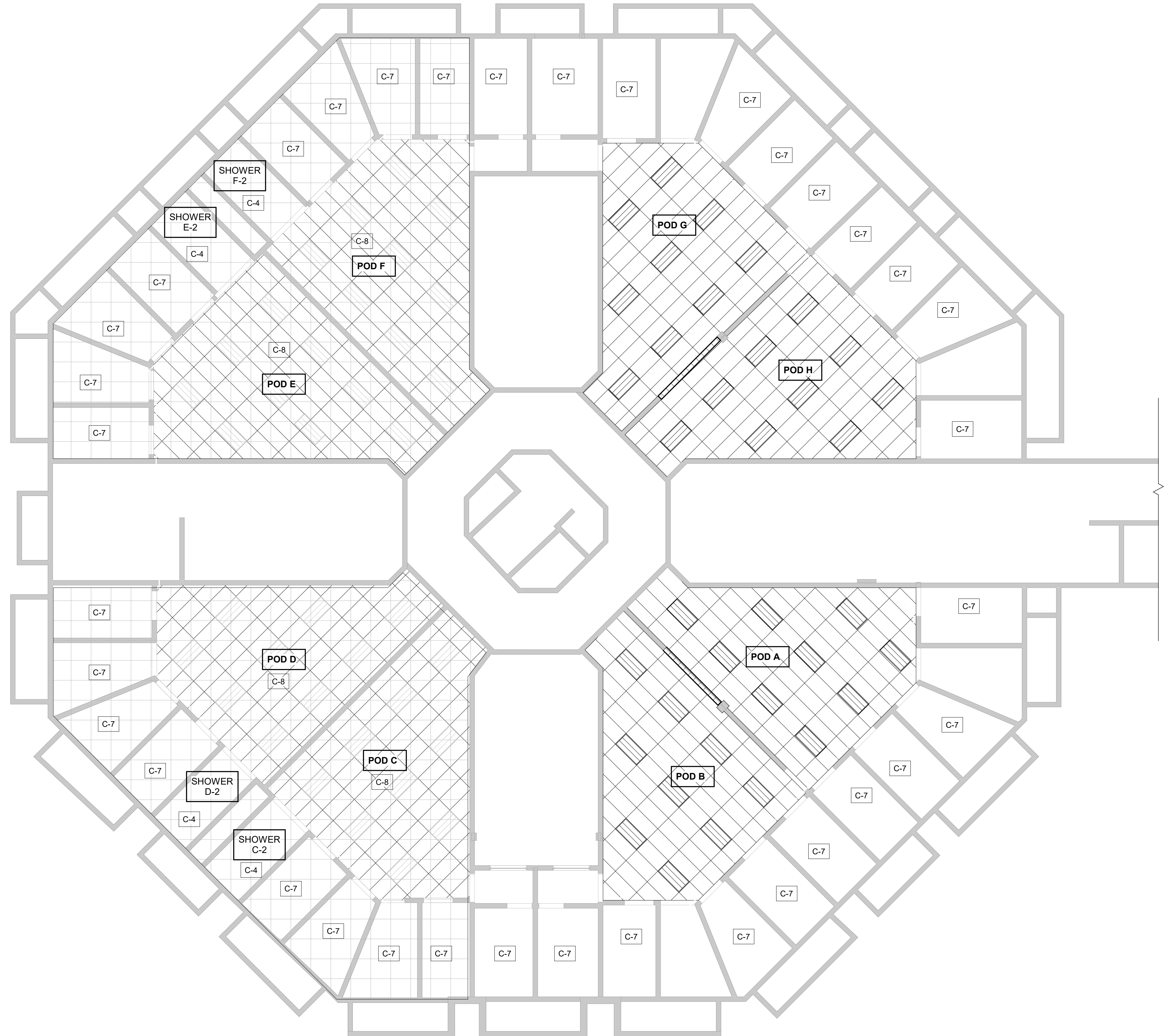
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1 RCP- 1ST FLOOR  
1/8" = 1'-0"



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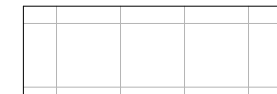


1 NEW RCP -2ND FL  
1/8" = 1'-0"

### RCP KEY NOTES

KEY NO	KEY NOTE
C-1	NOT USED
C-2	GYP. CEILING WITH SLOPED ROOF.
C-3	PADDED CELLS TO HAVE TAMPER- RESISTANT SPRINKLER HEADS AND ANTI-LIGATURE LIGHT FIXTURE. SEE EXISTING PADDED CELLS FOR REFERENCE.
C-4	ADD NEW TAMPER RESISTANT ANTI LIGATURE LIGHTS IN EXISTING SHOWERS. CEILINGS TO GET NEW EPOXY PAINT
C-5	NOT USED
C-6	DECONTAMINATION SHOWER TO GET NEW TAMPER RESISTANT ANTI LIGATURE LIGHT FOR WET LOCATIONS AND EPOXY PAINTED CEILING
C-7	CELLS TO GET NEW TAMPER RESISTANT AND ANTI LIGATURE LIGHT
C-8	EXISTING CEILING TILES AND LIGHTS TO REMAIN

### LEGEND

-  EXISTING BUILDING WALLS AND CEILING
-  NOT IN SCOPE
-  AREA WHERE ALL WORK IS TO BE PRICED AS ADD ALTERNATIVE



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**ROCKDALE COUNTY JAIL  
RENOVATIONS -  
MENTAL HEALTH WARD**

**ROCKDALE COUNTY**  
911 CHAMBERS DR., NW  
CONVERS, GA

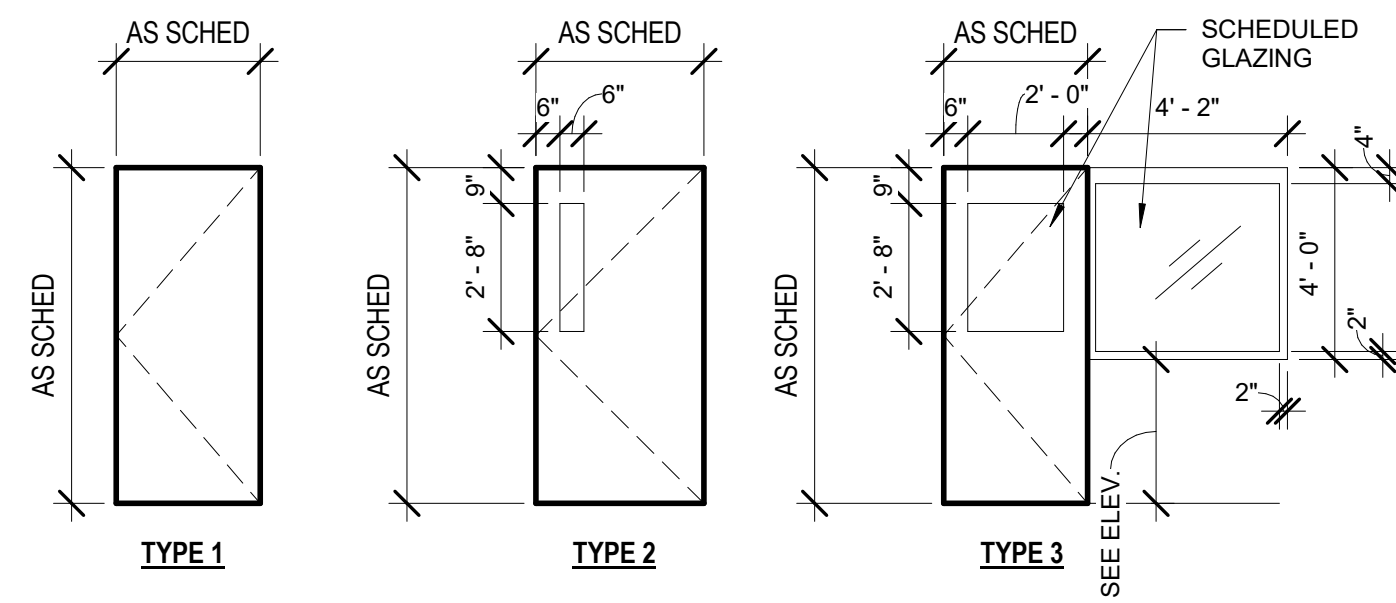
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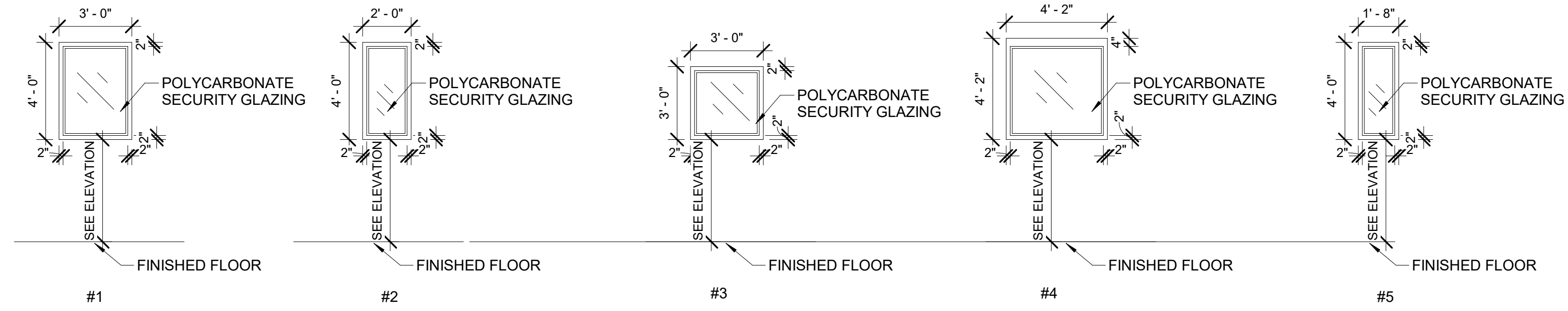
**Drawn By** CSB      **Checked By** WR  
**Date** 07.08.22      **Job No.** 21074

**Sheet Title**  
**RCP - MEZZANINE**

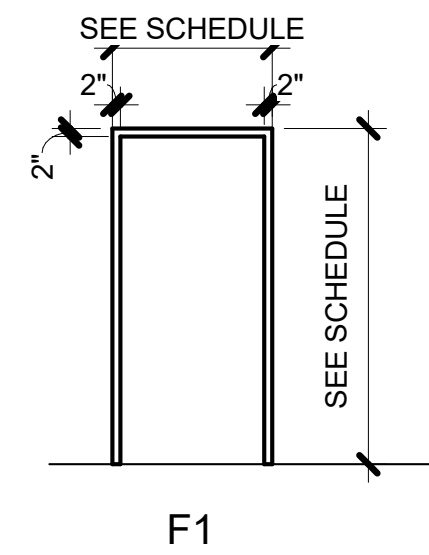
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1 DOOR ELEVATIONS  
1/4" = 1'-0"



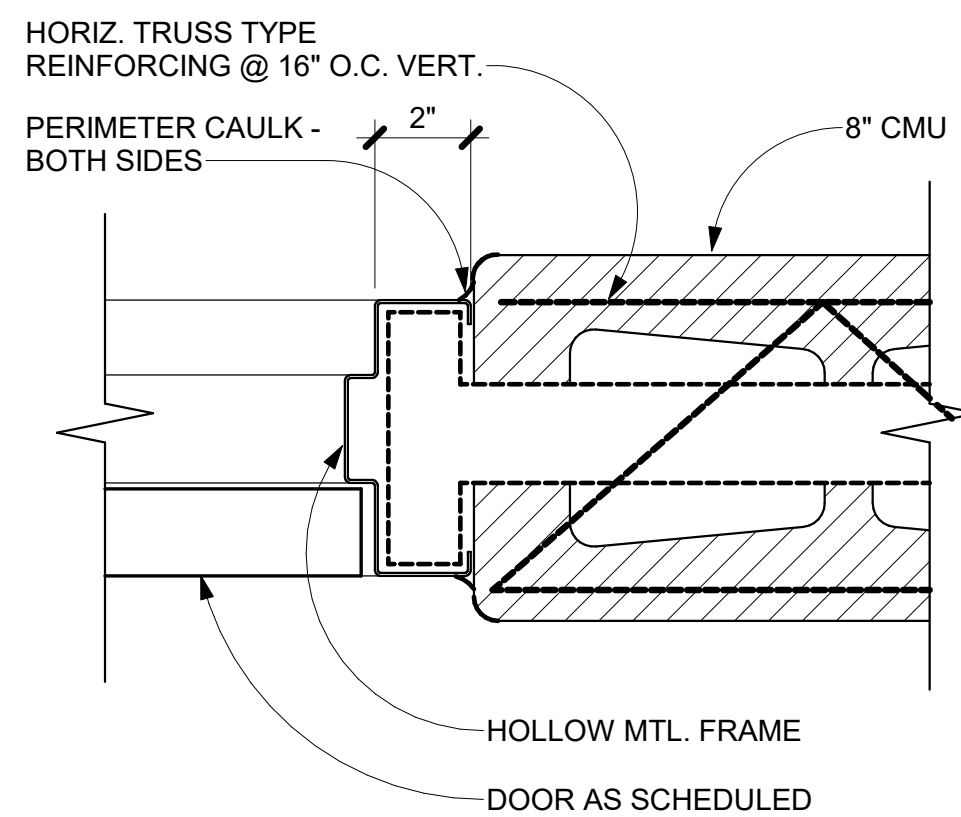
2 WINDOW ELEVATIONS  
1/4" = 1'-0"



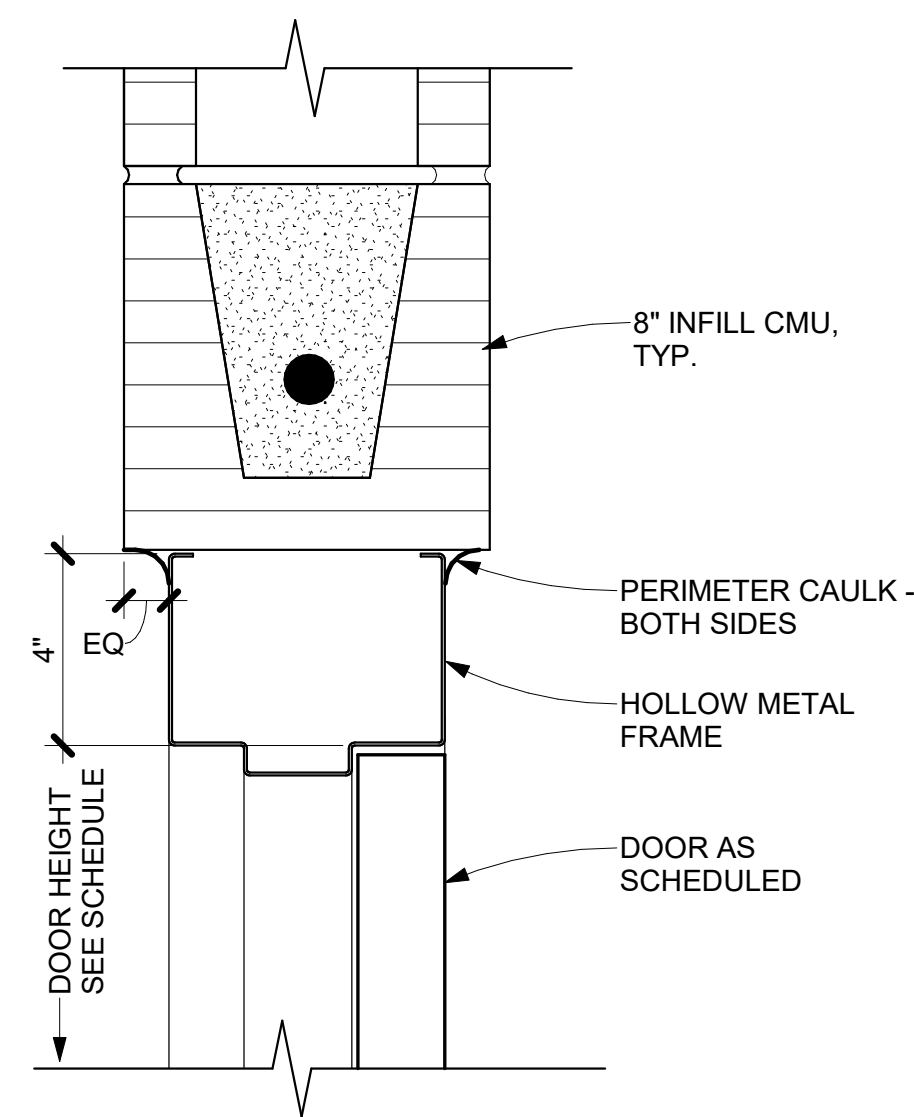
FRAME ELEVATION  
SCALE : 1/4"=1'-0"

### DOOR SCHEDULE

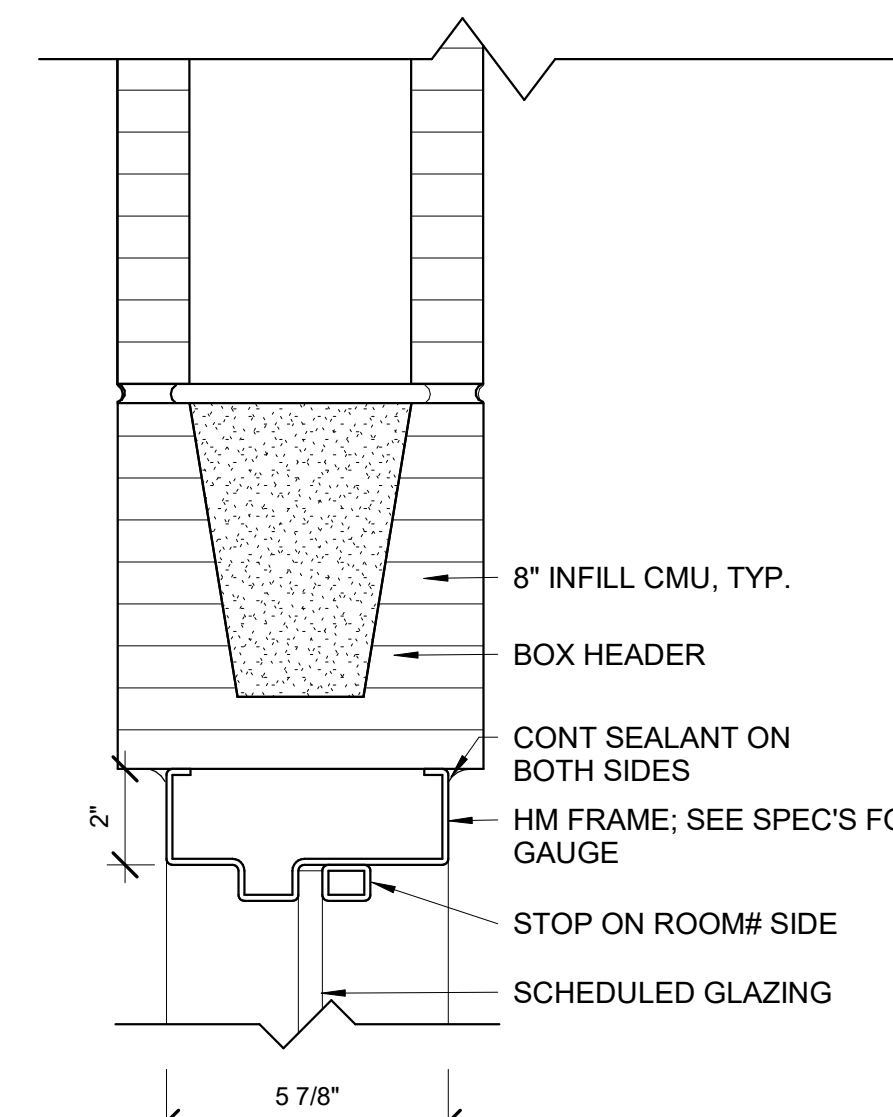
MARK	HEIGHT	WIDTH	DOOR ELEVATION	DOOR FINISH	DOOR TYPE	FIRE RATING	FRAME TYPE	HEAD DETAIL	JAMB DETAIL	HARDWARE	COMMENTS
103	7' - 0"	3' - 0"	3	STD	HM		HM	4/A7.0	3/A7.0	MATCH EXISTING	
104	7' - 0"	3' - 0"	3	STD	HM		HM	4/A7.0	3/A7.0	MATCH EXISTING	
105	7' - 0"	3' - 0"	2	PTD	HM	--	HM	4/A7.0	3/A7.0	MATCH EXISTING	
106	7' - 0"	3' - 0"	2	PTD	HM	--	HM	4/A7.0	3/A7.0	MATCH EXISTING	
107	7' - 0"	3' - 0"	1	PTD	HM	--	HM	4/A7.0	3/A7.0	MATCH EXISTING	



3 DOOR JAMB DETAIL  
3" = 1'-0"



4 DOOR HEAD DETAIL  
3" = 1'-0"



5 INT WINDOW HEADER  
3" = 1'-0"



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RENOVATIONS -  
MENTAL HEALTH WARD**  
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**PRINT RECORD**

No.	DATE	DESCRIPTION

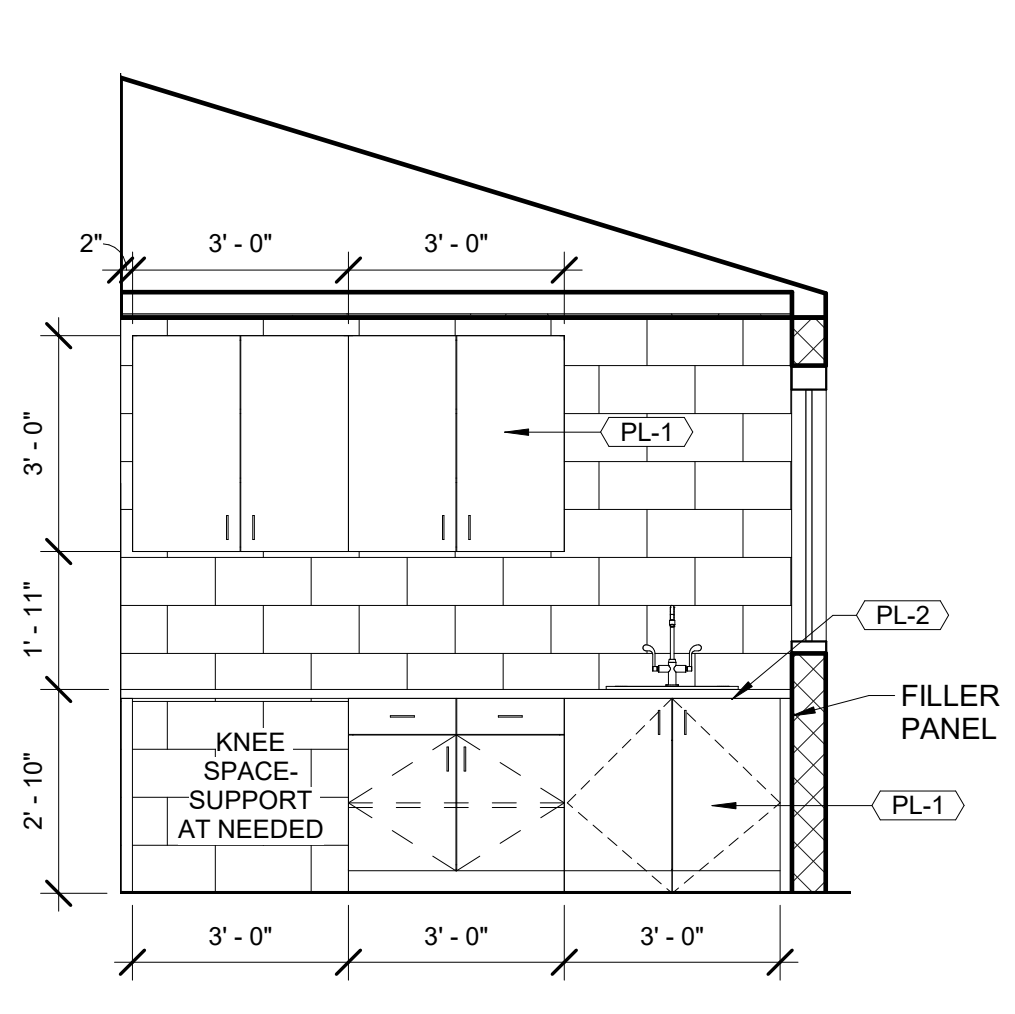
**Drawn By** CSB      **Checked By** WR  
**Date** 07.08.22      **Job No.** 21074

**Sheet Title**  
**DOORS AND  
WINDOWS  
ELEVATIONS**

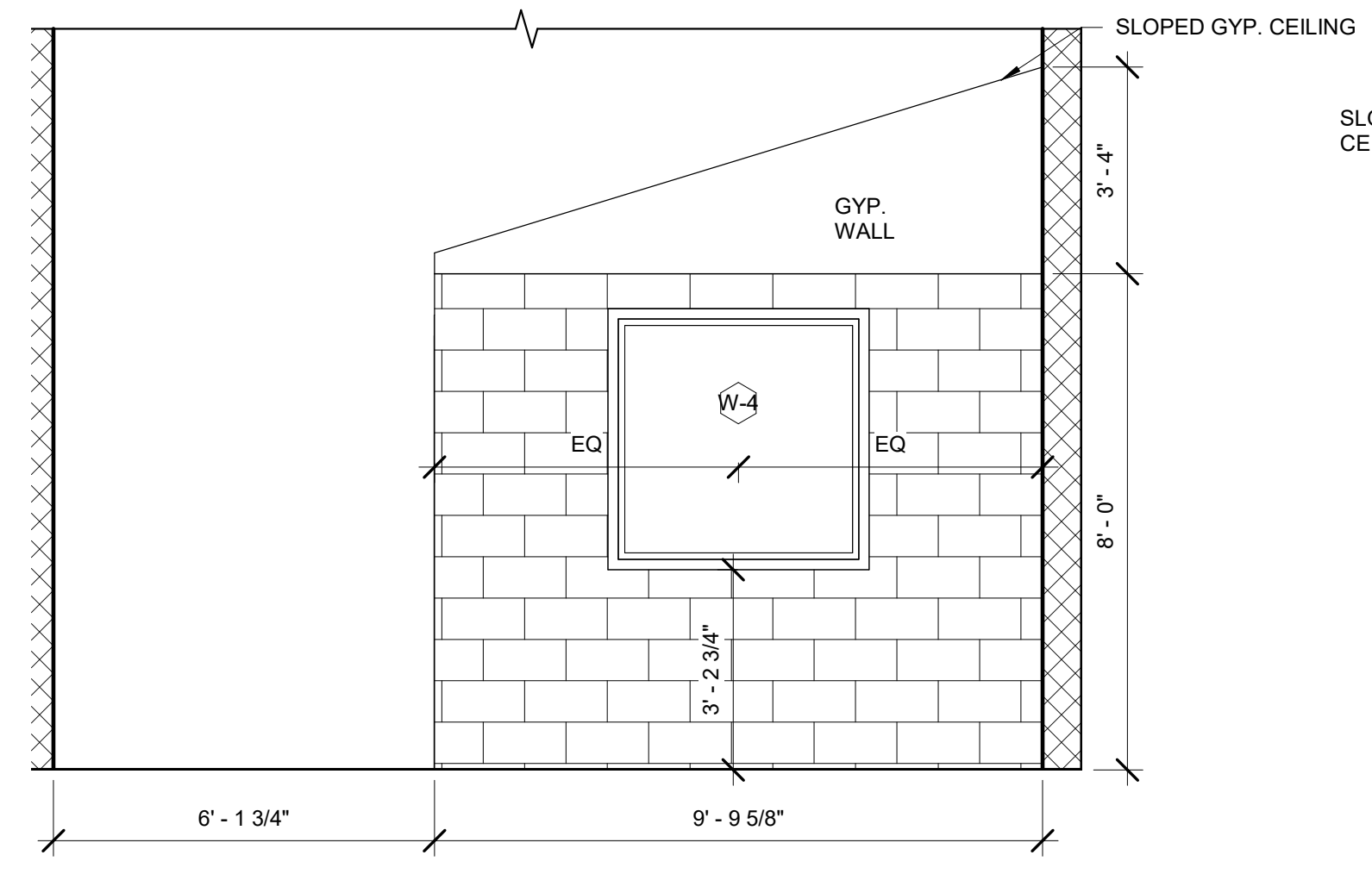
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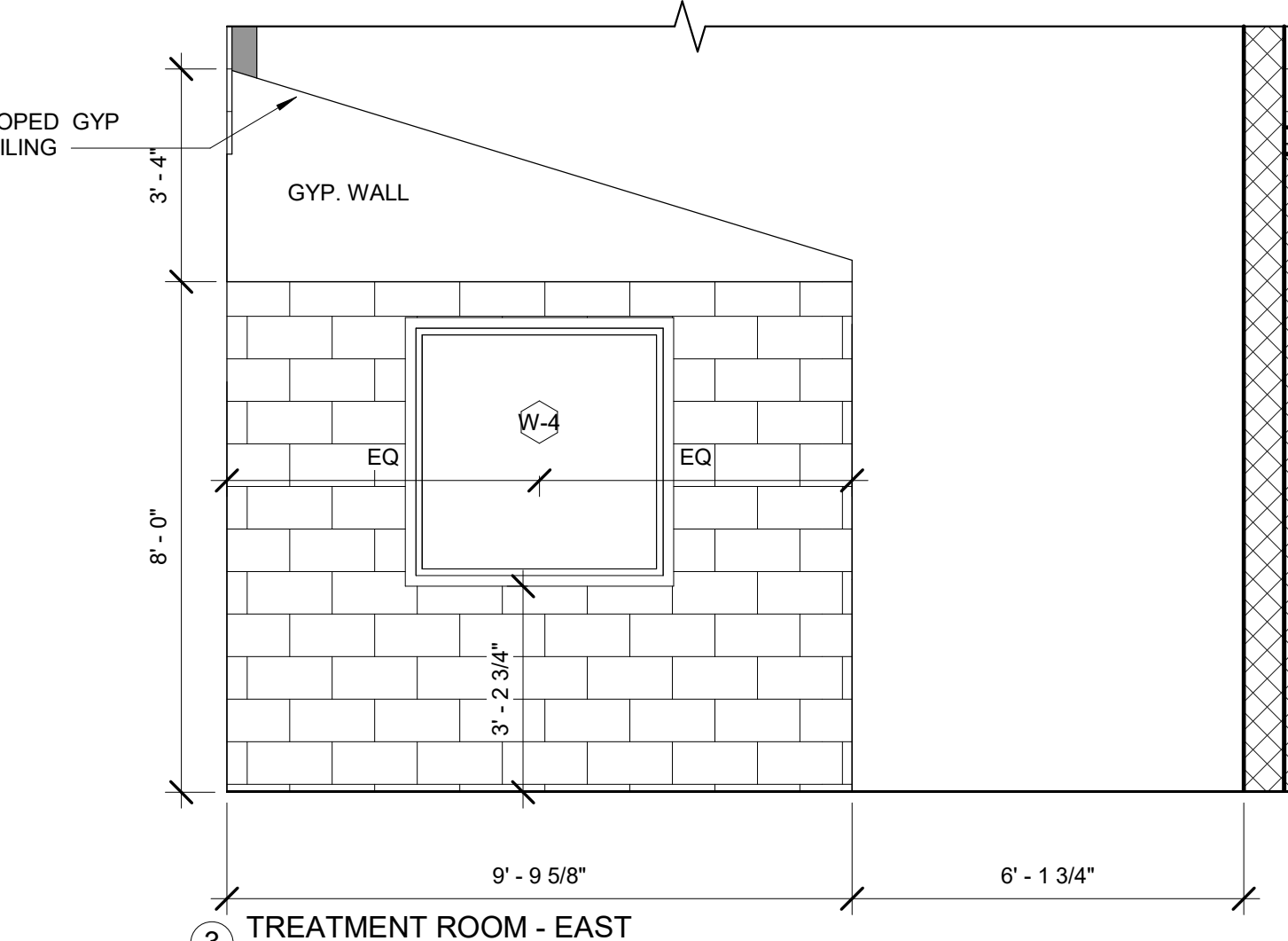
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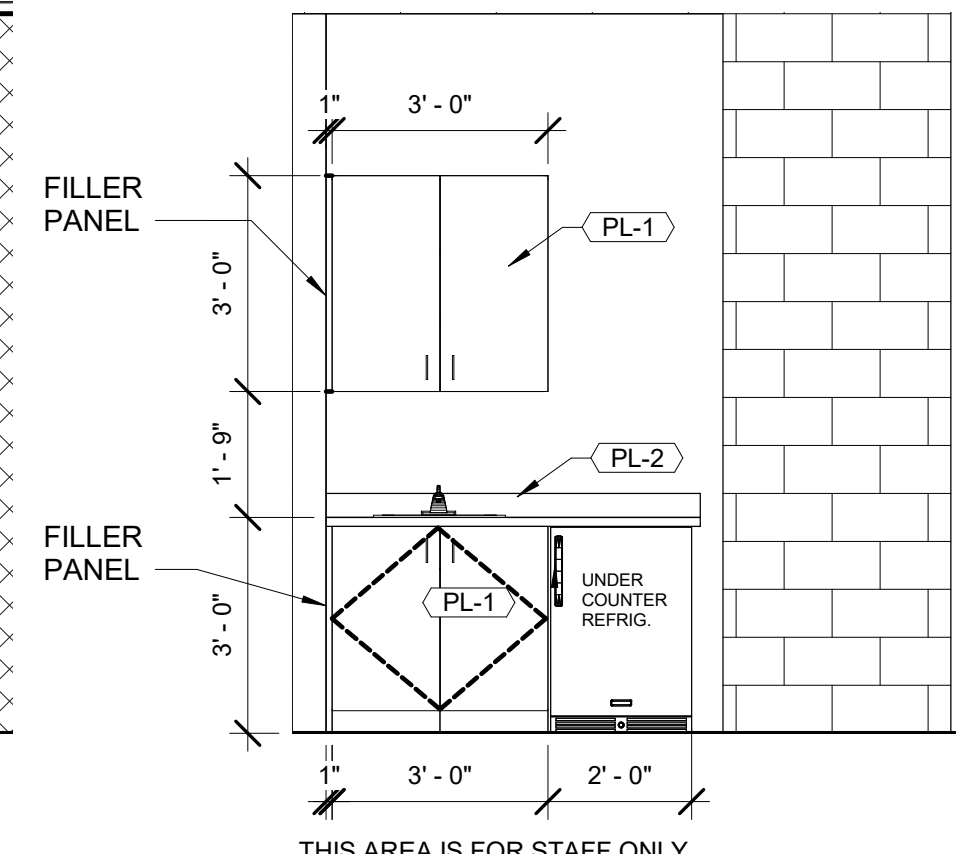
1 EXAM ROOM MILLWORK-TYPICAL  
3/8" = 1'-0"



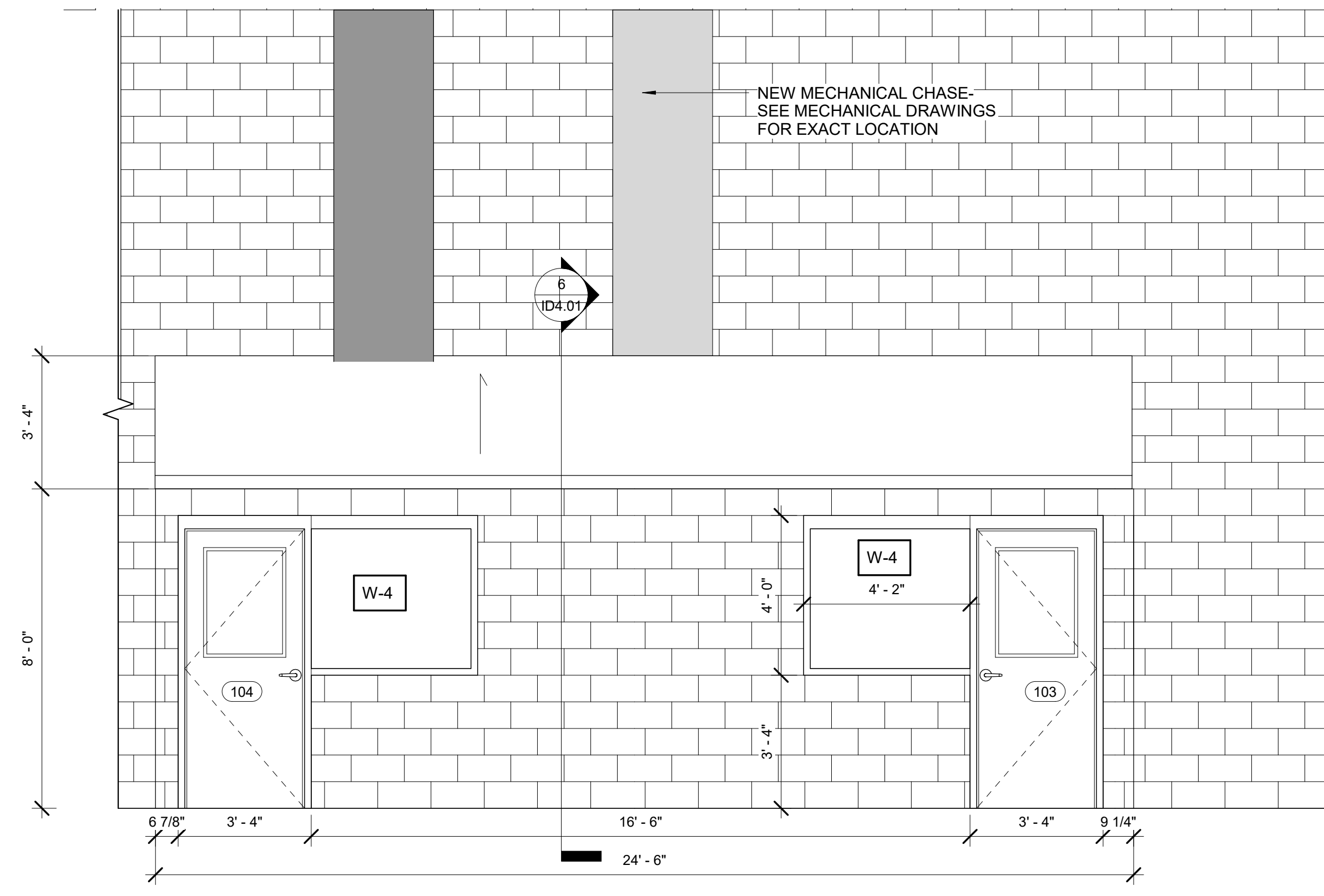
2 TREATMENT ROOM - WEST  
3/8" = 1'-0"



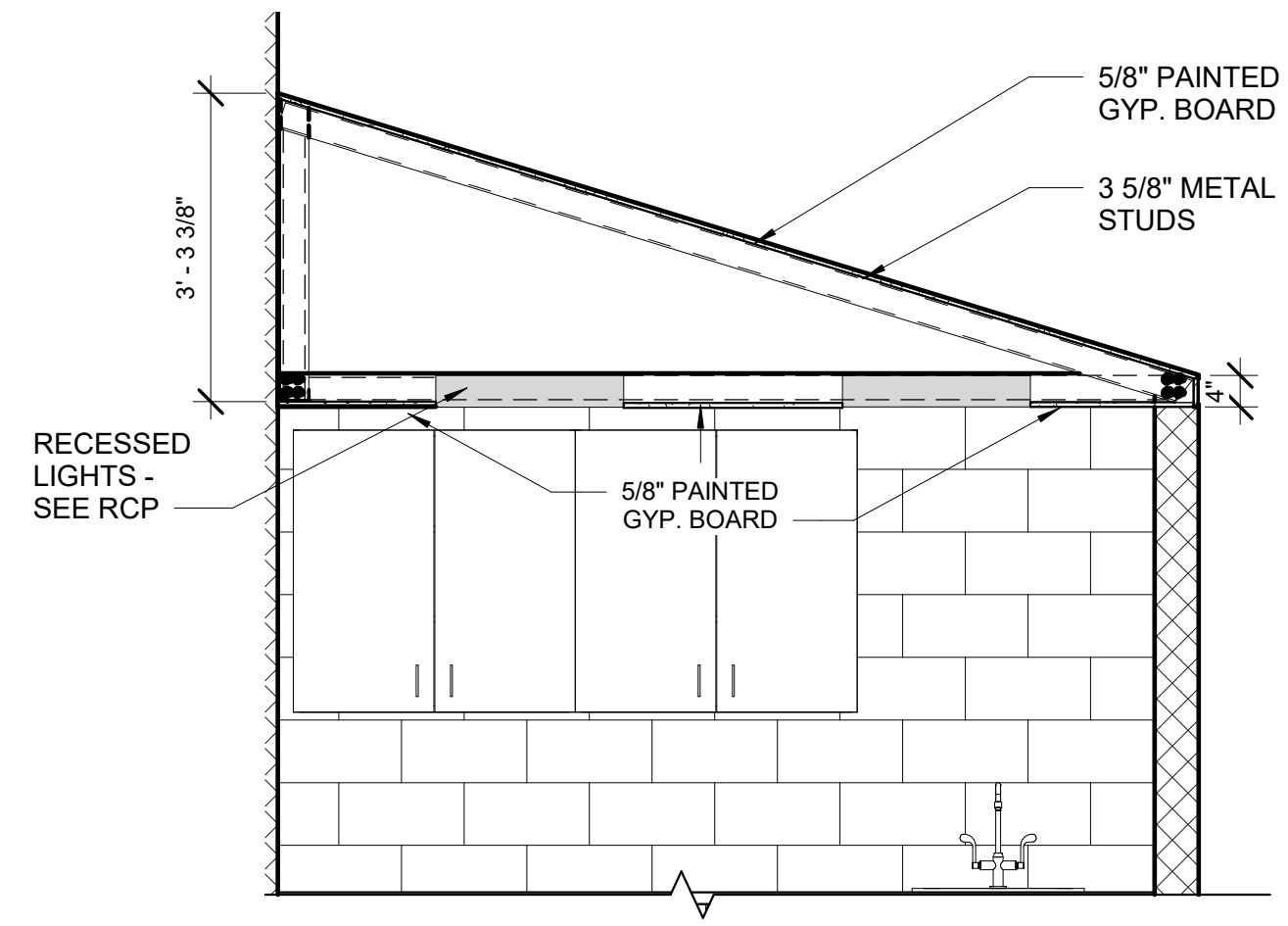
3 TREATMENT ROOM - EAST  
3/8" = 1'-0"



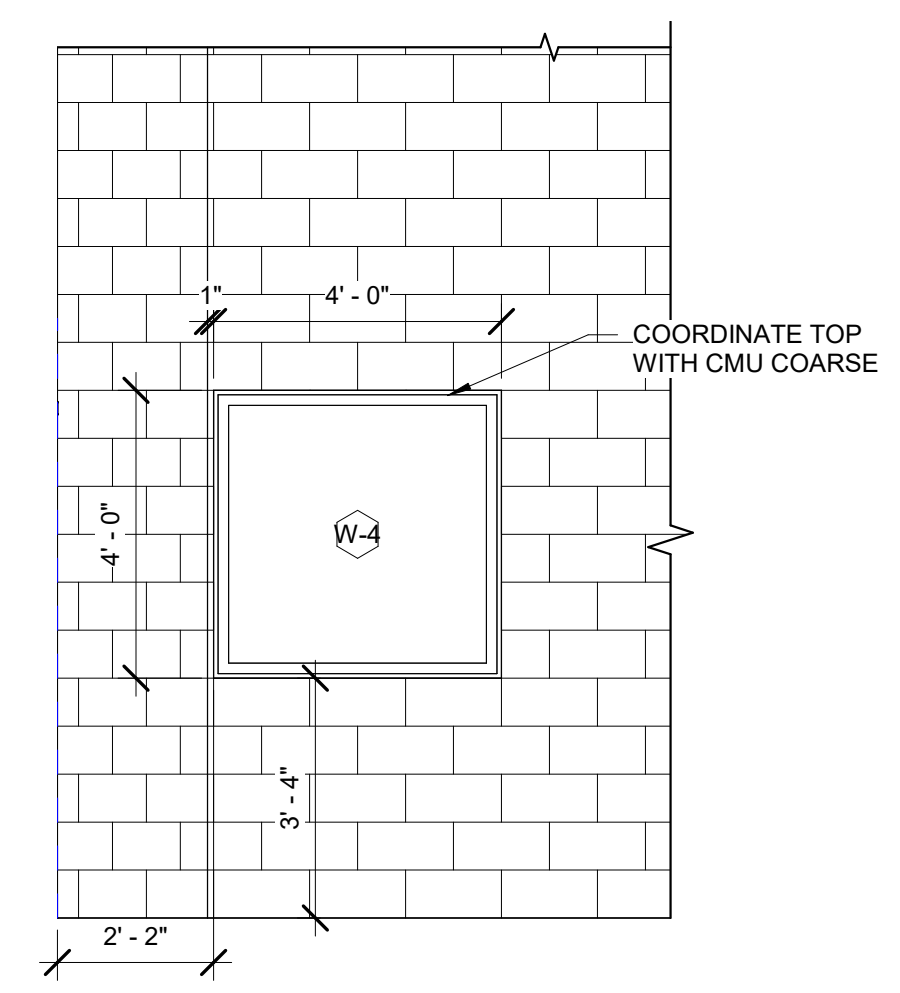
4 THIS AREA IS FOR STAFF ONLY  
RESTROOM WALL  
3/8" = 1'-0"



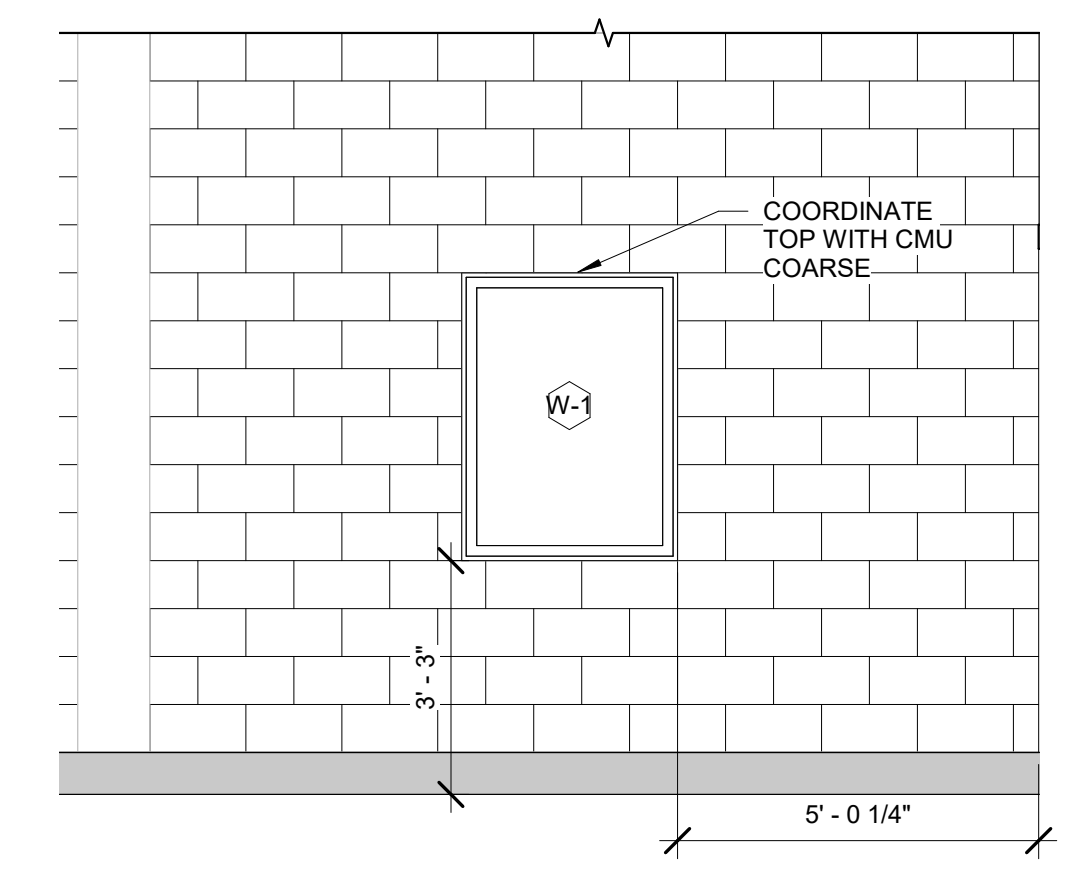
5 TREATMENT ROOMS  
3/8" = 1'-0"



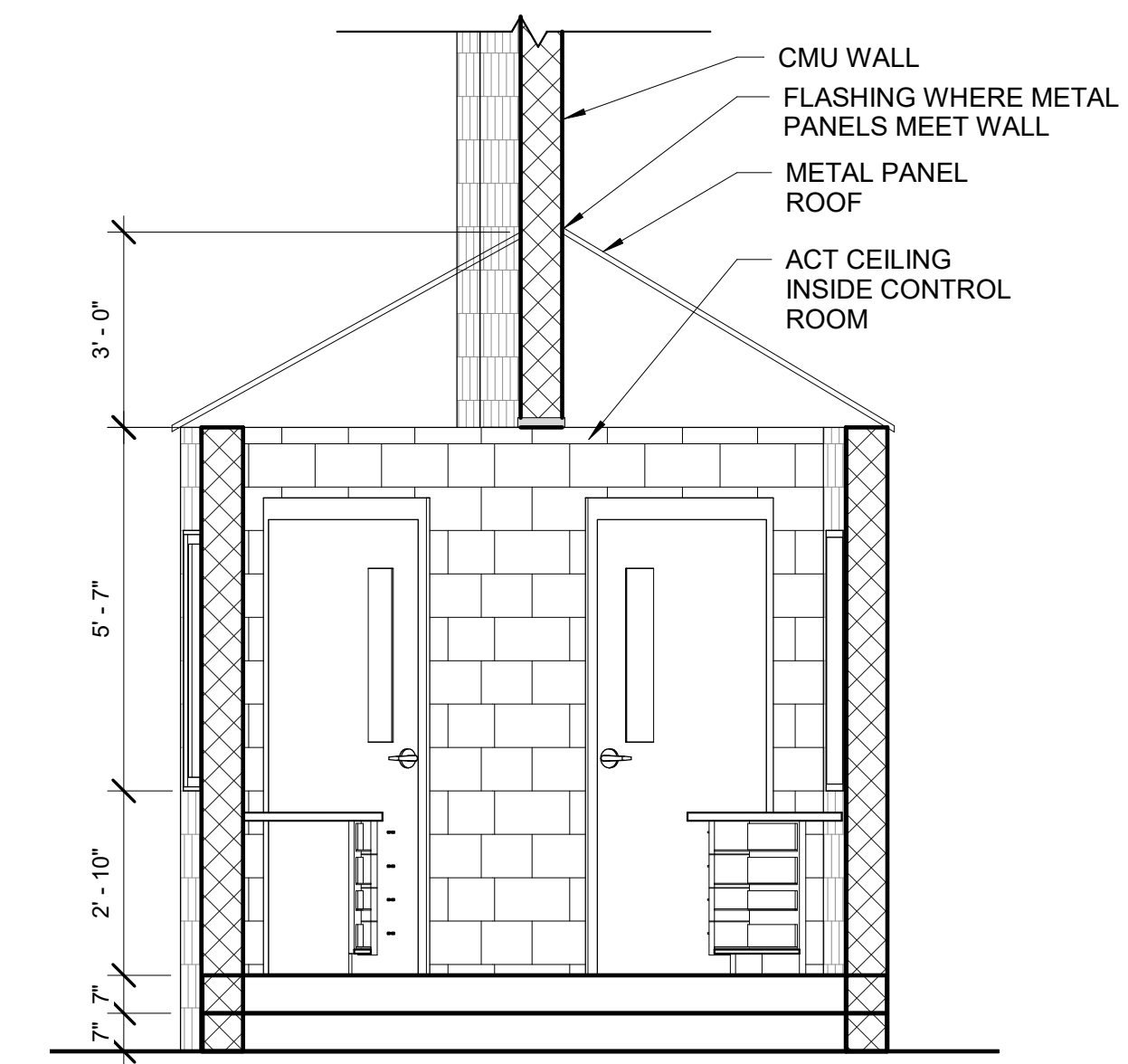
6 SECTION - TREATMENT ROOM SLOPED  
CEILING  
1/2" = 1'-0"



7 STAFF WINDOW 1  
3/8" = 1'-0"



8 STAFF WINDOW 2  
3/8" = 1'-0"



9 CONTROL ROOM SECTION  
3/8" = 1'-0"

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MENTAL HEALTH WARD**  
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CONYERS, GA

**PRINT RECORD**

No.	DATE	DESCRIPTION

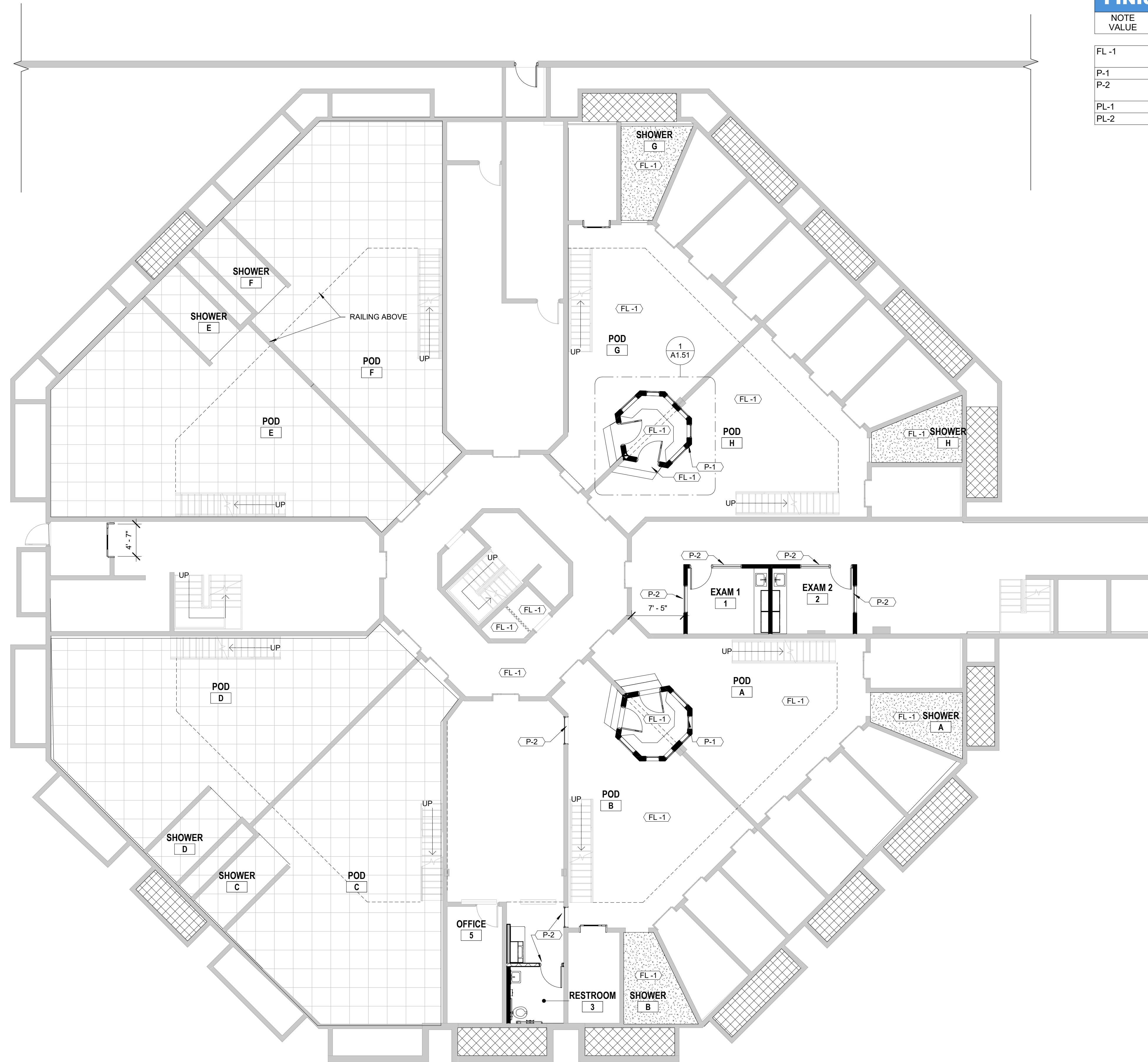
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Date: 07.08.22  
Job No.: 21074

Sheet Title  
**INTERIOR  
ELEVATIONS**

Sheet No.  
**ID4.01**

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### FINISH SCHEDULE

NOTE VALUE	DESCRIPTION
FL-1	EPOXY FLOOR: SHERWIN WILLIAMS RESUFLO DECOR QUARTZ #BC23; COLOR: STARRY EVENING. WITH 4" INTEGRAL BASE
P-1	PAINT - MATCH EXISTING WALL PAINT TYPE AND COLOR
P-2	PAINT - ALL NEW WINDOWS FRAMES AND NEW DOOR FRAMES TO BE PAINTED TO MATCH EXISTING
PL-1	WILSONART HIGH PRESSURE LAMINATE DOVE GREY D92-60
PL-2	ARBORITE P-344-RM INUKSHUK GRIS

### LEGEND

- EXISTING BUILDING WALLS AND CEILING
- NOT IN SCOPE
- AREA WHERE ALL WORK IS TO BE PRICED AS ADD ALTERNATIVE



**ROCKDALE COUNTY JAIL  
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 MENTAL HEALTH WARD**  
 ROCKDALE COUNTY  
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#### PRINT RECORD

No.	DATE	DESCRIPTION

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Date: 07.08.22      Job No.: 21074

Sheet Title: **INTERIOR FINISHES**

Sheet No.: **ID4.02**

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1 FINISH PLAN  
1/8" = 1'-0"



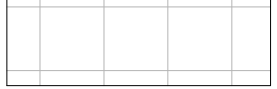
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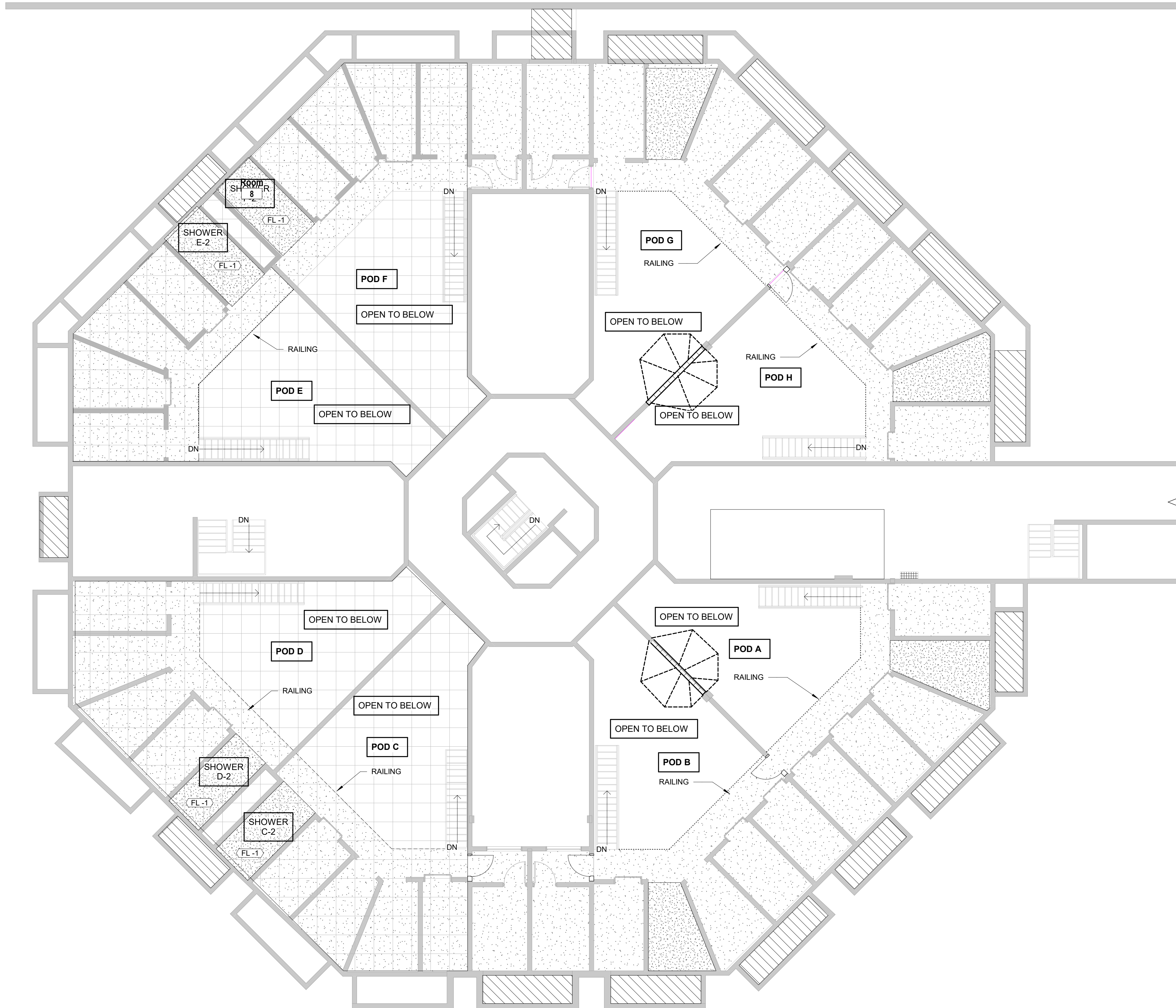
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### FINISH SCHEDULE

NOTE VALUE	DESCRIPTION
FL-1	EPOXY FLOOR: SHERWIN WILLIAMS RESUFLOL DECO QUARTZ #BC23; COLOR: STARRY EVENING. WITH 4" INTEGRAL BASE
P-1	PAINT - MATCH EXISTING WALL PAINT TYPE AND COLOR
P-2	PAINT - ALL NEW WINDOWS FRAMES AND NEW DOOR FRAMES TO BE PAINTED TO MATCH EXISTING
PL-1	WILSONART HIGH PRESSURE LAMINATE DOVE GREY D92-60
PL-2	ARBORITE P-344-RM INUKSHUK GRIS

### LEGEND

-  EXISTING BUILDING WALLS AND CEILING
-  NOT IN SCOPE
-  AREA WHERE ALL WORK IS TO BE PRICED AS ADD ALTERNATIVE



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 CONYERS, GA

#### PRINT RECORD

No.	DATE	DESCRIPTION

Drawn By: CSB      Checked By: WR

Date: 07.08.22      Job No.: 21074

Sheet Title:  
**INTERIOR FINISHES -  
MEZZANINE**

Sheet No.:  
**ID4.03**

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MEZZANINE- SECOND FLOOR FINISH  
PLAN  
1/8" = 1'-0"

8/4/2022 8:26:58 PM

FIRE PROTECTION GENERAL NOTES

- 1. FINAL INSPECTION AND APPROVAL BY LOCAL FIRE MARSHAL AND ARCHITECT/ENGINEER.
2. SPRINKLER SHOP DRAWINGS AND MATERIAL SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER AND STATE FIRE MARSHAL AND SHALL BE APPROVED PRIOR TO ANY INSTALLATION.
3. PIPE ROUTING SHOWN IS SCHEMATIC ONLY. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO PROVIDE ANY ADDITIONAL OFFSETS REQUIRED FOR PROPER INSTALLATION AND COORDINATION WITH OTHER TRADES.
4. PIPING IN AREAS WITH EXPOSED STRUCTURE SHALL BE INSTALLED AS HIGH AS POSSIBLE TO ALLOW THE OWNER MAXIMUM USE OF THE SPACE.
5. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING DESCRIPTIONS AND HEIGHTS.
6. SPRINKLERS ARE TO BE COORDINATED WITH ALL DIFFUSERS, SPEAKERS, LIGHTING FIXTURES AND CEILING SYSTEMS. ALL OTHER TRADES TAKE PRECEDENCE OVER SPRINKLER HEAD LOCATION UNLESS INDICATED OTHERWISE ON DRAWINGS.
7. SPRINKLER HEADS SHALL BE SYMMETRICALLY LOCATED IN ROOM OR AREA BEING PROTECTED. SPRINKLER LOCATIONS SHALL BE CENTERED IN THE TILE. PROVIDE ARM OVER OR SWING JOINT AS REQUIRED.
8. SPRINKLERS IN AREAS WITH EXPOSED STRUCTURE (OBSTRUCTED CONSTRUCTION) SHALL BE INSTALLED WITH DEFLECTOR 1" BELOW THE BOTTOM OF THE BEAM (MAXIMUM 22" BELOW ROOF DECK). EXPOSED BAR JOISTS THAT HAVE SPRAY-ON FIRE PROOFING THAT MAKES THE JOIST SOLID SHALL BE TREATED LIKE A BEAM WITH THE SPRINKLERS 1" BELOW THE BOTTOM OF THE FIRE PROOFING.
9. SLEEVE AND/OR FIRESTOP ALL PENETRATIONS THROUGH RATED WALLS, CEILINGS, AND FLOORS WITH UL LISTED ASSEMBLIES. FIRESTOP ASSEMBLIES SHALL BE EQUAL OR EXCEED THE RATING OF THE WALL, CEILING OR FLOOR.
10. PROVIDE SPRINKLER GUARDS ON ALL HEADS IN ELECTRIC ROOMS, TELEPHONE ROOMS, MECHANICAL ROOMS, ELEVATOR ROOMS, ELEVATOR SHAFTS AND ON ANY HEADS LESS THAN 7'-0" ABOVE THE FLOOR.
11. PROVIDE ACCESS PANELS TO ALL VALVES ABOVE NON-ACCESSIBLE CEILINGS AND CHASES.
12. PROVIDE A PERMANENTLY ATTACHED NAME TAG TO THE RISER STATING THE REQUIRED DESIGN CRITERIA FOR EACH HYDRAULICALLY-DESIGNED SYSTEM.
13. PROVIDE SPRINKLERS UNDERNEATH ALL EXPOSED OBSTRUCTIONS INCLUDING DUCTWORK WHICH IS OVER 48" WIDE AND SPACE HEADS AROUND ALL OBSTRUCTIONS IN ACCORDANCE WITH NFPA 13. HEADS UNDER OBSTRUCTIONS ARE NOT INDICATED ON THE DRAWINGS BUT ARE REQUIRED AND SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 13. SPRINKLER LOCATIONS UNDER AND AROUND OBSTRUCTIONS SHALL BE GOVERNED BY FINAL INSTALLED LOCATIONS.
14. IF SYSTEM PRESSURE EXCEEDS 100 PSI, ALL HANGERS ON END HEADS IN PENDANT POSITION SHALL BE WITHIN 12" OF END OF LINE IN ACCORDANCE WITH NFPA 13.
15. COORDINATE PIPING WITH ALL ELECTRICAL EQUIPMENT (PANELS, TRANSFORMERS, ETC.) PRIOR TO ANY INSTALLATION. DO NOT ROUTE ANY PIPING OVER ANY ELECTRICAL PANELS UNDER ANY CIRCUMSTANCES. ANY PIPING RUN OVER ELECTRICAL SHALL BE REROUTED AT NO ADDITIONAL COST. PIPING ENTERING ELECTRICAL AND COMMUNICATION ROOMS SHALL BE PROVIDED WITH INDICATING TYPE CONTROL VALVE WITH TAMPER SWITCH AND ENTER OVER ENTRY DOOR. SPRINKLER HEADS IN ELECTRICAL AND COMMUNICATION SHALL BE INTERMEDIATE TEMPERATURE.
16. PROVIDE AUXILIARY DRAINS TO DRAIN ALL SECTIONS OF PIPING AS REQUIRED BY NFPA 13.
17. PAINT ALL PIPING EXPOSED TO THE PUBLIC. COORDINATE COLOR WITH ARCHITECT AND FACILITY STANDARDS.
18. THE FIRE PROTECTION SYSTEMS AND INFORMATION SHOWN WITHIN THESE DRAWINGS AND THE SPECIFICATIONS, REPRESENT THE DESIGN INTENT OF THE ENGINEER OF RECORD. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SUBMIT LAYOUT DRAWINGS TO THE AUTHORITY HAVING JURISDICTION FOR PERMITTING AND REVIEW. THE LAYOUT DRAWINGS SHALL BE IN COMPLIANCE WITH NFPA 13, WORKING PLANS.
19. ALL VALVES SHALL BE PROVIDED WITH TAMPER SWITCHES AND ALL ZONES SHALL BE PROVIDED WITH FLOW SWITCHES WIRED TO THE FIRE ALARM SYSTEM.
20. SPRINKLER HEADS LOCATED IN ELEVATOR SHAFTS AND ELEVATOR MACHINE ROOMS MUST BE INSTALLED WITHIN 2 FEET OF HEAT DETECTOR. COORDINATE CLOSELY WITH FIRE ALARM CONTRACTOR. SPRINKLER HEADS SHALL BE INTERMEDIATE TEMPERATURE (212 DEGREE F).
21. REFER TO PROJECT SPECIFICATIONS FOR FIRE SPRINKLER HYDRAULIC CALCULATIONS.
22. NOTIFY OWNER AT LEAST 48 HOURS PRIOR TO INTERRUPTING EXISTING SERVICES. SCHEDULE DISCONNECTING AND TIE-INS TO MINIMIZE DISRUPTION OF SERVICE. SERVICES ARE NOT TO BE LEFT DISRUPTED DURING NON-NORMAL CONTRACTOR WORKING HOURS. IF DISRUPTION IS EXCEEDED 4 HOURS CONTRACTOR SHALL PROVIDE A FIRE WATCH FOR UNTIL ALL SERVICES ARE RESTORED. CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM OWNER FOR INTERRUPTION OF SERVICE.
23. FLEXIBLE SPRINKLER PIPING SHALL ONLY BE ALLOWED IN ROOMS APPROVED BY THE ENGINEER AND OWNER.
24. SPRINKLER HEADS LOCATED WITHIN 8'-0" OF HIGH HEAT PRODUCING EQUIPMENT SHALL BE HIGH TEMPERATURE SPRINKLER HEADS.
25. SPRINKLER HEADS LOCATED WITHIN ROOMS WITH HIGH HUMIDITY, DISHWASHERS, STERILIZERS, POOL EQUIPMENT ROOMS AND ALL OTHER WET ROOMS SHALL BE PROVIDED WITH CORROSION RESISTANT, STAINLESS STEEL SPRINKLER HEADS AND ESCUTCHEONS.
26. A MINIMUM CLEARANCE OF 4 INCHES BETWEEN ALL CONDUITS, PIPING AND DUCT WORK THAT ARE PARALLEL OR ADJACENT TO ALL FIRE AND FIRE/SMOKE-RATED WALLS TO FACILITATE THE INSPECTION OF THESE WALL.
27. THIS RENOVATION SHALL BE PROVIDED WITH SPRINKLER SYSTEMS DESIGNED PER THE CURRENT ACCEPTED EDITIONS OF NFPA 13, & 24, THE INTERNATIONAL BUILDING CODE, THE INTERNATIONAL FIRE CODE, GEORGIA 120-3-3, THE LOCAL AUTHORITY HAVING JURISDICTION, THE OWNERS INSURANCE UNDERWRITER, AND THESE DOCUMENTS.

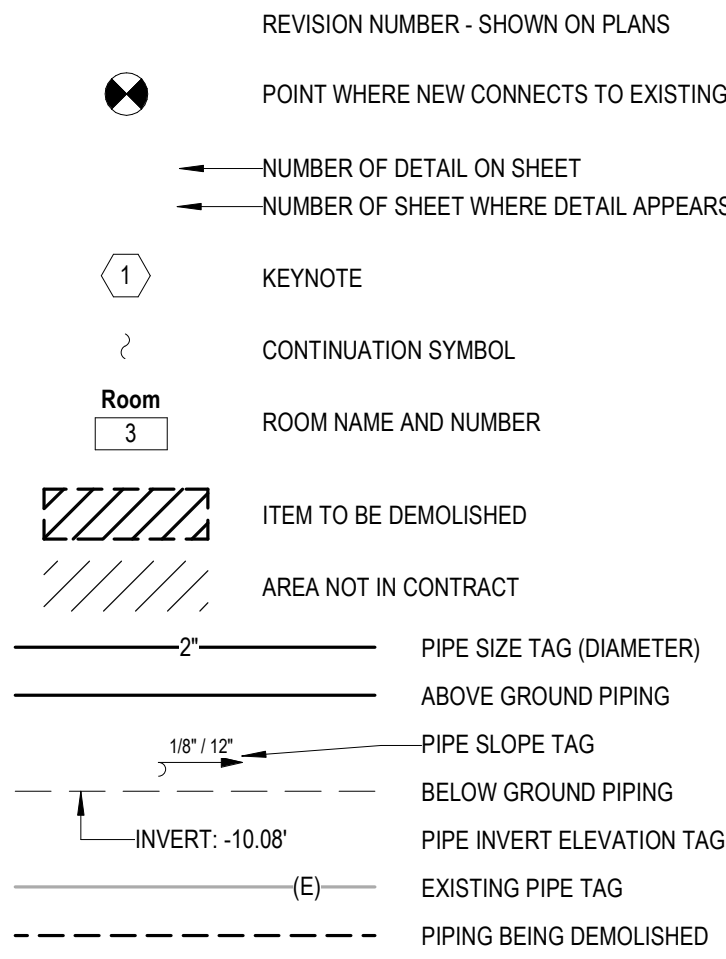
PLUMBING GENERAL NOTES

- 1. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIALS, AND LABOR TO SATISFY A COMPLETE WORKING SYSTEM WHETHER SPECIFIED OR IMPLIED.
ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES GOVERNING WORK OF THIS NATURE.
THE CONTRACTOR SHALL, BEFORE SUBMITTING ANY PROPOSAL, EXAMINE THE PROPOSED SITE AND SHALL DETERMINE FOR HIMSELF THE CONDITIONS THAT MAY EFFECT THE WORK.
3. NO ALLOWANCE SHALL BE MADE IF THE CONTRACTOR FAILS TO MAKE SUCH EXAMINATIONS.
ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY ENGINEER OR ARCHITECT.
4. WASTE AND VENT PIPING
A. ABOVE GROUND
SERVICE WT. CAST IRON WITH NO-HUB OR BELL AND SPIGOT JOINTS; OR SCH. 40 PVC WITH SOLVENT JOINTS.
B. BELOW GRADE:
SERVICE WT. CAST IRON WITH BELL AND SPIGOT JOINTS OR SCH. 40 PVC WITH SOLVENT JOINTS.
NOTE: PVC PIPING SHALL NOT BE USED IN THE AIR PLENUM CEILINGS AND SHALL NOT CROSS FIRE RATED WALLS, CEILINGS, OR FLOORS.
6. DOMESTIC WATER PIPING
A. UNDERGROUND: PROVIDE TYPE "K" SOFT DRAWN COPPER TUBING WITH BRAZED CONNECTIONS
B. ABOVE GROUND: PROVIDE TYPE "L" HARD DRAWN TUBING WITH 125 PSI SOLDER JOINTS, COPPER OR BRASS FITTINGS
7. DRAINAGE PIPING SHALL RUN STRAIGHT AS POSSIBLE AND SHALL HAVE LONG TURN FITTINGS.
8. DRAINAGE PIPING 3" DIAMETER AND SMALLER SHALL BE RUN AT UNIFORM SLOPE OF AT LEAST 1/4" PER FOOT, AND PIPING LARGER THAN 3" SHALL BE RUN AT A SLOPE OF NO LESS THAN 1/8" PER FOOT.
9. ALL VENT PIPING SHALL BE SLOPED TO DRAIN BACK TO FIXTURES.
10. ALL STUB-INS AND/OR SLAB OR WALL PENETRATIONS TO BE PER NFPA 20 SECTION 2-11.1 AND 1-2-11.1. ALL PIPING PENETRATIONS OF BUILDING FOUNDATIONS OR FOOTINGS SHALL BE SLEEVED.
11. PLUMBING SYSTEM SHALL BE FLOW AND PRESSURE TESTED IN ACCORDANCE WITH STANDARD PRACTICE AND THE 2012 IPC.
12. PIPING SUPPORTS (ABOVE GRADE) ALL PIPE SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE IN A NEAT AND WORKMANLIKE MANNER. THE USE OF WIRE AND PREFORMED METAL TO SUPPORT PIPES WILL NOT BE PERMITTED. SPACING OF PIPE SUPPORTS SHALL BE AS SPECIFIED IN MSS SP-89.
13. PIPING SUPPORTS (BELOW GRADE) EARTH SHALL BE EXCAVATED TO A MINIMUM DEPTH WITH AN EVEN SURFACE TO INSURE SOLID BEARING OF PIPE FOR ITS ENTIRE LENGTH.
A. INTERIOR: PIPE SHALL BE INSTALLED (UNLESS SPECIFIED OTHERWISE) A MINIMUM OF 4 INCHES BELOW THE BOTTOM OF THE SLAB AND SHALL NOT BE IN ANY DIRECT CONTACT WITH THE CONCRETE AT ANY POINT.
B. EXTERIOR: THE WATER PIPE SHALL HAVE A MINIMUM OF 3 FEET OF COVER AND SHALL COMPLY WITH LOCAL CODES.
14. NEW HOT WATER PIPING TO BE INSULATED WITH 1" FIBERGLASS INSULATION. NEW COLD WATER PIPING TO BE INSULATED WITH 1/2" FOAM INSULATION.

PLUMBING FIXTURE SCHEDULE

Table with columns: MARK, DESCRIPTION, MANUFACTURER & MODEL BASE OF DESIGN, WASTE CONNECTION, CW CONNECTION, HW CONNECTION, VENT CONNECTION, COMMENTS.

GENERAL PLUMBING SYMBOLS



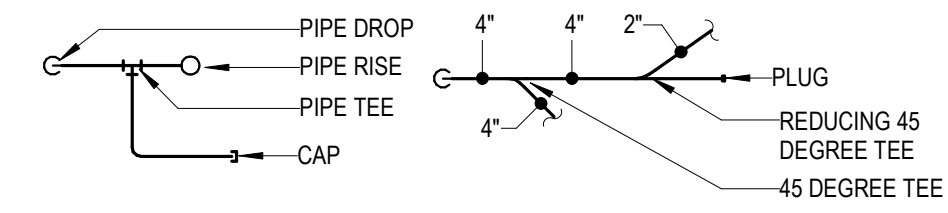
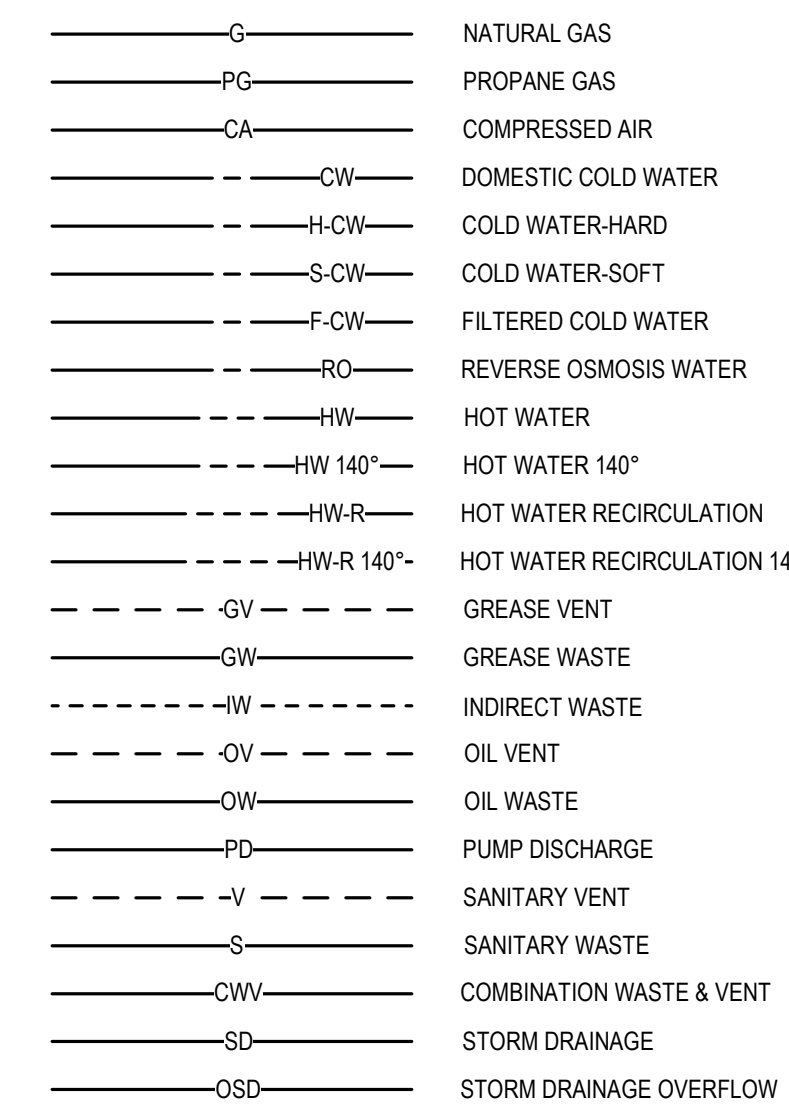
ABBREVIATIONS

Table listing abbreviations for plumbing components such as Round, Above, Air Conditioning, Area Drain, Addendum, Above Finished Floor, Annual Fuel Utilization Efficiency, Alternate, Access Panel, Architectural, Below Finished Floor, Below, British Thermal Units, British Thermal Units per Hour, Capacity, Catch Basin, Cubic Feet per Minute, Ceiling, Clean Out, Cold Water, Degree, Dry Bulb, Diameter, Down, Distilled Water, Each, Entering Air Temperature, Electrical Equipment, Electric Water Cooler, Entering Water Temperature, Exhaust Air, Existing, Degrees Fahrenheit, Floor Clean Out, Floor Drain, Fire Damper, Fire Department Valve, Floor, Fuel Oil, Fuel Oil Vent, Fuel Oil Return, Fuel Oil Supply, Feet per Minute, Floor Sink, Foot/feet, Fin Tube Radiation, Gallon, General Contractor, Gallons per Minute, Grease Waste, Hose Bib, Horse Power, Heating, Heater, Hot Water, Hydrant, Indirect, Inch, Invert, Pound, Pounds per Hour, Leaving Air Temperature, Low Pressure, Liquefied Petroleum Gas, Louver, Leaving Water Temperature, Mixed Air, Maximum, One Thousand BTU per Hour, One Thousand Cubic Feet, Motorized Damper, Mechanical, Manufacturer, Minimum, Miscellaneous, Motor, Make-Up/Air, Noise Criteria, Normally Closed, Not in Contract, Number, Normally Open, Not to Scale, Oxygen, Outside Air, Overflow Roof Drain, Pressure Drop, Post Indicator Valve, Plumbing, Pressure Reducing Valve, Pounds per Square Inch, Pounds per Square Inch Gauge, Power, Duct Riser, Return Air, Radiant Ceiling Panel, Roof Drain, Recessed, Reducer, Relative Humidity, Relief Air, Room, Revolutions per Minute, Rain Water, Square Foot, Supply Air, Sanitary, Square Foot, Smoke Damper, Surface Mount, Standpipe, Static Pressure, Steam, Thermostat, Temperature Drop, Trench Drain, Temperature, Typical, Underground, Vacuum, Vent, Variable Air Volume, Vent Through Roof, Waste, Wet Bulb, Wall Clean Out, Wall Hydrant.

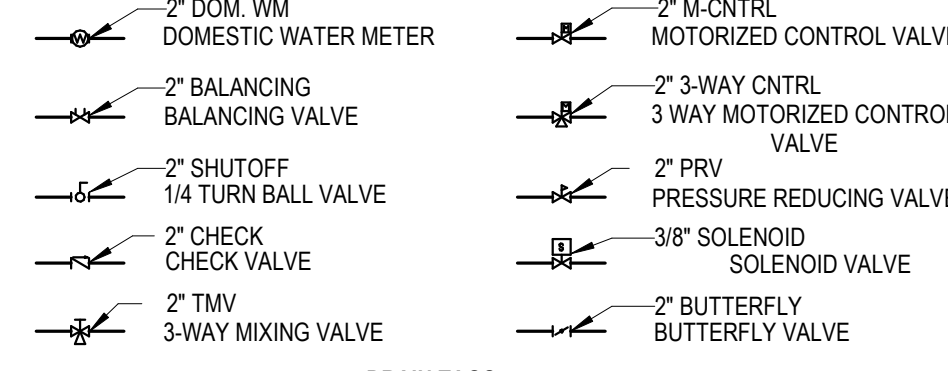
EQUIPMENT ABBREVIATIONS

Table listing equipment abbreviations such as Air Conditioning Unit, Air Cooled Condenser, Air Cooling Condensing Unit, Air Handling Unit, Air Separator, Boiler, Chiller, Cooling Tower, Cabinet Unit Heater, Condenser Water Pump, Chilled Water Pump, Domestic Water Booster Pump, Duct Mounted Coil, Domestic Water Circulating Pump, Exhaust Fan, Electric Duct Coil, Expansion Tank, Electric Water Heater, Fan Coil Unit, Fire Pump, Grease Interceptor, Gravity Roof Ventilator, Hot Water Recirc Pump, Heat Exchanger, Heat Recovery Unit, Power Roof Ventilator, Return Exhaust Fan, Rooftop Unit, Sewage Ejector Pump, Supply Fan, Sump Pump, Unit Heater, Water Heater.

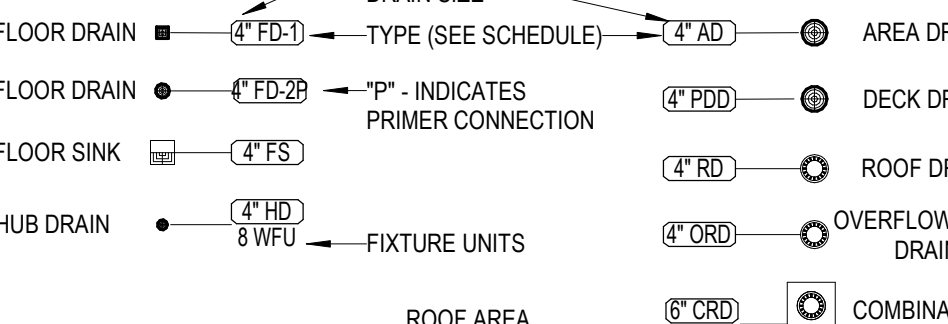
PLUMBING AND PIPING SYMBOLS



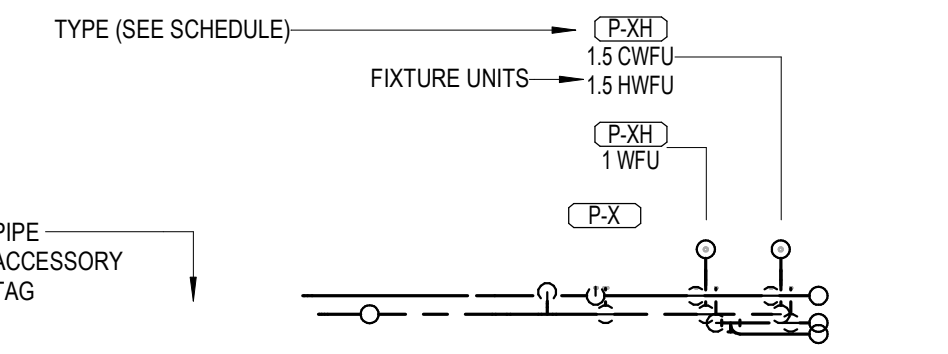
PIPE ACCESSORY TAGS



DRAIN TAGS



PLUMBING FIXTURE TAGS



\*NOTE\*

ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

PLUMBING SHEET INDEX

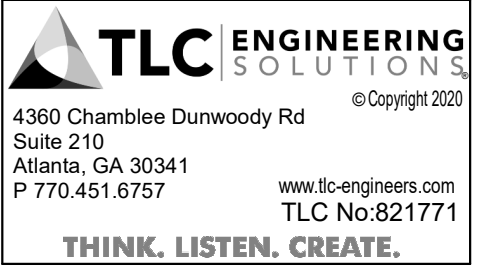
Table listing sheet index items: P-0.01 PLUMBING NOTES, LEGEND, & SCHEDULES; P-0.02 PLUMBING DETAILS; P-1.01 LEVEL 1 PLAN - PLUMBING - DOMESTIC; P-1.02 LEVEL 2 PLAN - PLUMBING - DOMESTIC; P-2.01 LEVEL 1 PLAN - PLUMBING - SANITARY; P-2.02 LEVEL 2 PLAN - PLUMBING - SANITARY; P-2.03 ROOF PLAN - PLUMBING; P-4.01 PLUMBING RISERS; P-4.02 PLUMBING RISERS; PD-1.01 DEMOLITION PLAN - PLUMBING.



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ROCKDALE COUNTY JAIL RENOVATIONS - MENTAL HEALTH WARD, ROCKDALE COUNTY, 911 CHAMBERS DR., NW, CONVERS, GA

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Table with columns: No., DATE, DESCRIPTION. Includes entries for 5/10/2022 and 7/15/2022.

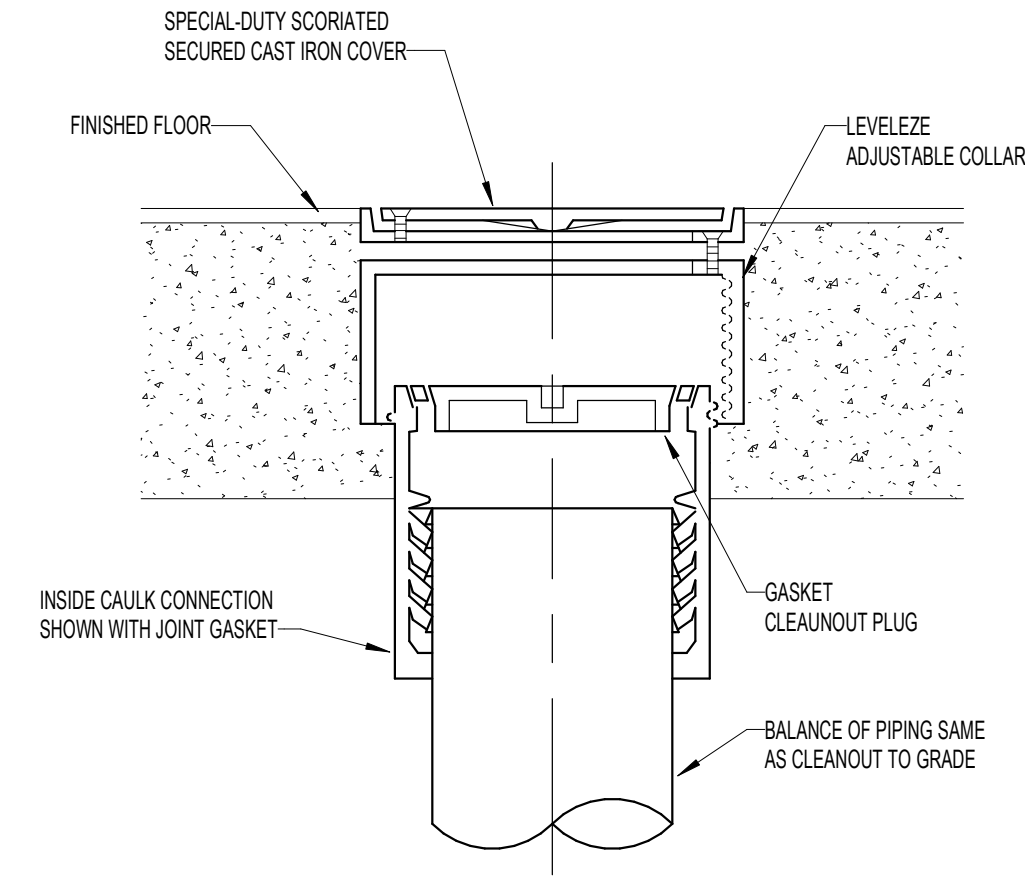
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Sheet Title: PLUMBING NOTES, LEGEND, & SCHEDULES

Sheet No.: P-0.01, RELEASED FOR CONSTRUCTION

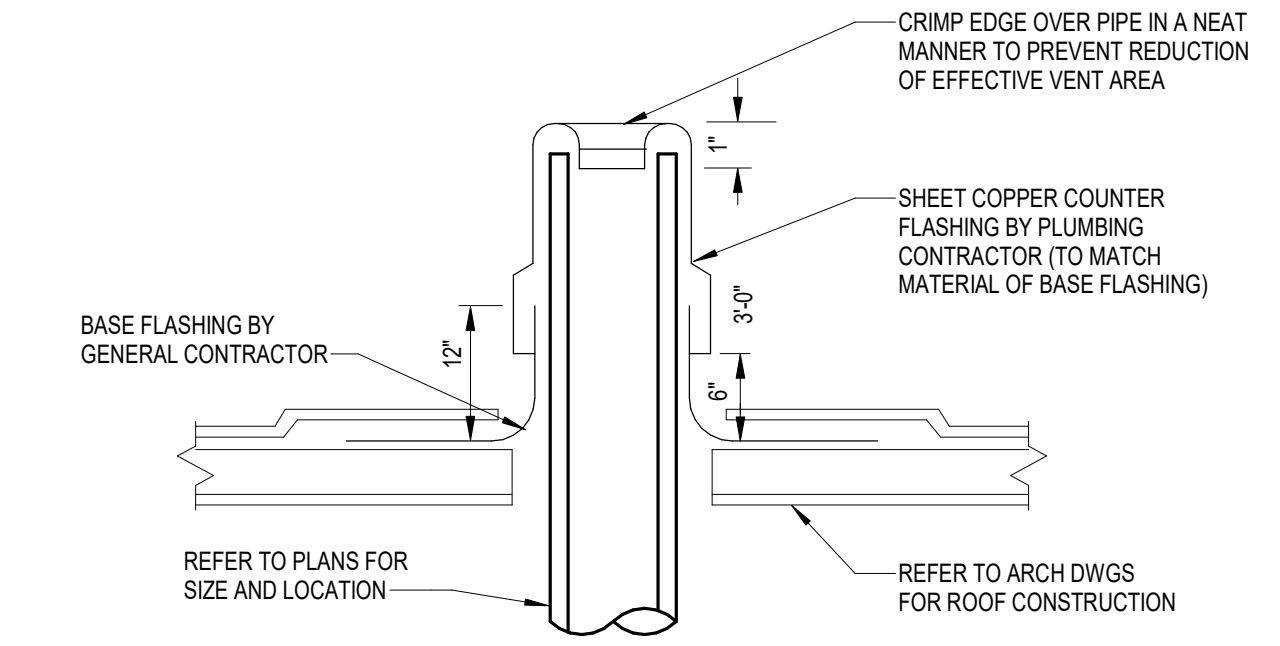
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NOTES:  
1. BASIS OF DESIGN IS JOSAM 55000 SERIES KLEENATRON II CLEANOUT WITH LEVELEZE ADJUSTABLE COLLAR OR APPROVED EQUAL  
2. CLEANOUT SHALL BE DESIGNED FOR HEAVY WHEEL TRAFFIC.

**3 FLOOR CLEANOUT DETAIL**  
SCALE: NOT TO SCALE



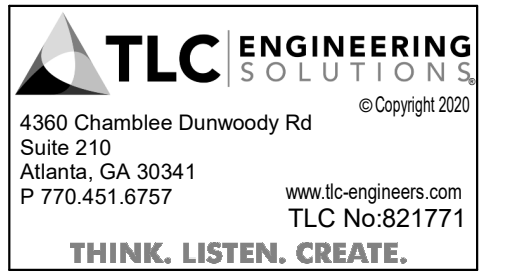
**2 VENT THROUGH ROOF DETAIL**  
SCALE: NOT TO SCALE



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**ROCKDALE COUNTY JAIL  
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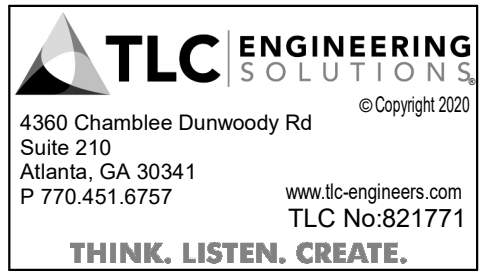
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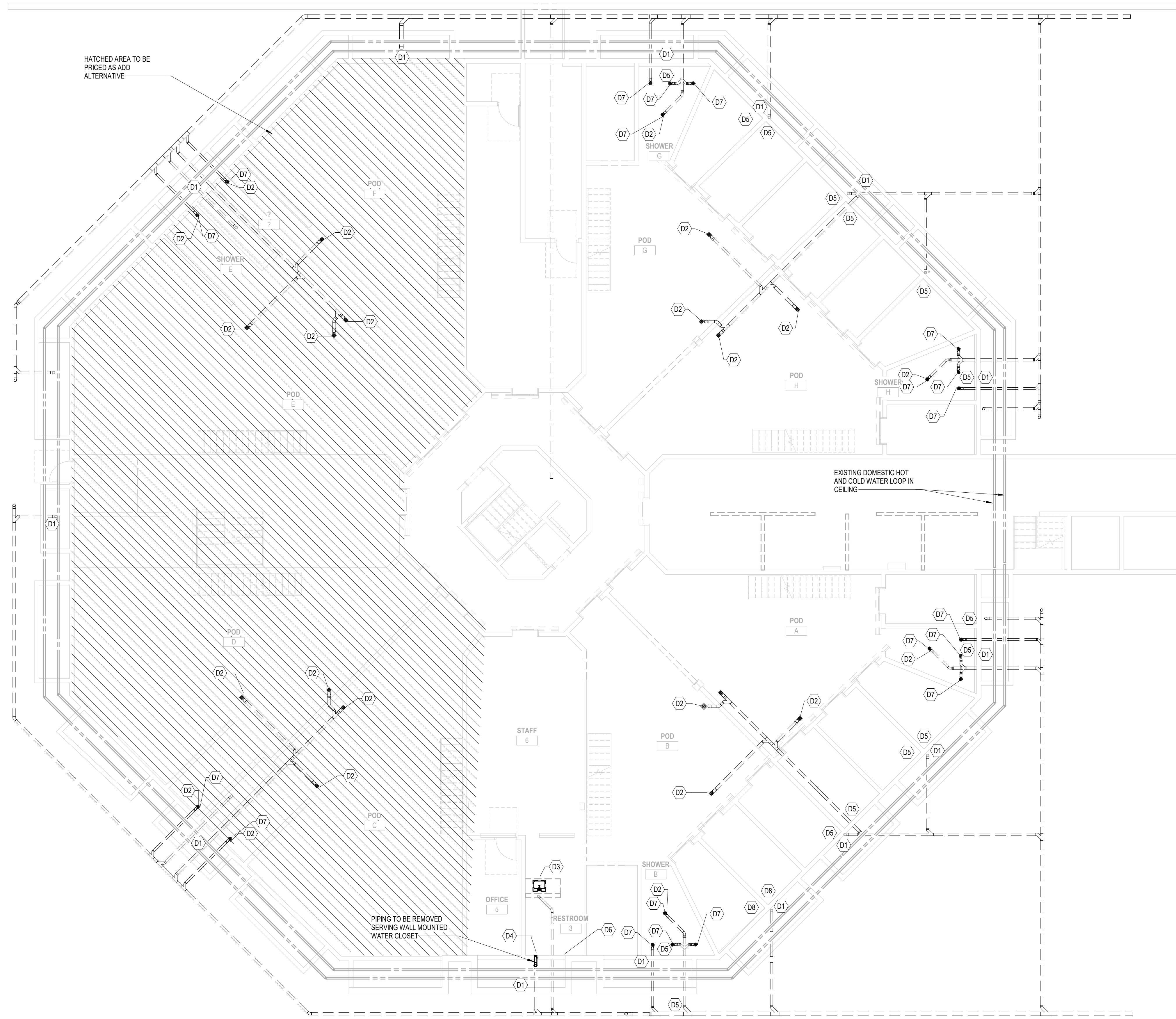
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**Job No.** 21074

**Sheet Title**  
**DEMOLITION PLAN - PLUMBING**

**Sheet No.**  
**PD-1.01**  
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- GENERAL NOTES:**
1. PLANS OF EXISTING CONDITIONS ARE BASED ON ORIGINAL BUILDING DESIGN DRAWINGS. CONTRACTOR TO FIELD VERIFY CONDITION OF EXISTING WATER AND SANITARY AND VENT LINES. VERIFY LOCATIONS AND SIZES OF PIPING AND DIRECTION OF FLOW.
  2. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL NOTIFY ARCHITECT OF POTENTIAL CONFLICTS OR DEFICIENCIES IN THE EXISTING SYSTEM THAT MAY REQUIRE ADDITIONAL COST TO MAKE THE SYSTEM OPERATIONAL.
  3. DRAWINGS DEPICT THE GENERAL INTENT OF THE SCOPE OF THE DEMOLITION WORK. NOT ALL ITEMS OF PLUMBING DEMOLITION ARE NECESSARILY SHOWN. THE CONTRACTOR SHALL BE REQUIRED TO FIELD VERIFY AND FIELD DETERMINE THE SCOPE OF THE DEMOLITION WORK. REFER TO THE ARCHITECT FOR CLARIFICATION.
  4. CONTRACTOR SHALL PATCH AND REPAIR ALL LOCATIONS WHERE PENETRATIONS ARE ABANDONED TO MATCH EXISTING FINISHES AND MATERIALS UNLESS OTHERWISE NOTED ON ARCHITECTURAL SHEETS.
  5. CONTRACTOR TO SNAKE OUT EXISTING SANITARY LINES BACK TO NEAREST MAIN BEFORE INSTALLING NEW FIXTURES.

- KEYNOTES**
- D1 REMOVE AND REPLACE DOMESTIC HOT AND COLD WATER SUPPLY LINES IN SECURE PLUMBING CHASE BACK TO MAIN. REMOVE AND REPLACE EXISTING ISOLATION VALVES IN DOMESTIC HOT AND COLD WATER SUPPLY LINES AT MAIN IN SECURE PLUMBING CHASE. REMOVE AND REPLACE TEMPERED MIXING VALVES AND FLUSH VALVES.
  - D2 REPLACE ALL EXISTING DRAIN GRATES WITH VANDAL RESISTANT DRAIN GRATES. IN THE DESIGNATED SECURE PLUMBING CHASE IDENTIFIED IN THE SANITARY SEWER LINE JETTING REPORT ADDENDUM. REMOVE AND REPLACE SANITARY SEWER LINES BACK TO THE FLOOR.
  - D3 EXISTING SINK TO BE REMOVED. PREPARE WASTE, VENT AND WATER FOR CONNECTION TO NEW SINK IN SIMILAR LOCATION.
  - D4 EXISTING TOILET TO BE REMOVED. PREPARE WASTE AND WATER TO BE ROUTED TO NEW TOILET LOCATION.
  - D5 REMOVE AND REPLACE COMBINATION UNIT INTERNAL PIPING CONNECTIONS, OUTLETS, NOZZLES AND VALVES. ENSURE COMBINATION UNIT IS IN PROPER WORKING CONDITION.
  - D6 LAVATORY TO BE REMOVED. COLD WATER, HOT WATER AND CAPPED AT NEAREST MAIN. SANITARY AND VENT TO BE CAPPED IN CHASE.
  - D8 EXISTING FIXTURES TO BE REMOVED. CAP PIPING IN PLUMBING CHASE.



**1 DEMOLITION PLAN - PLUMBING**  
SCALE: 1/8" = 1'-0"

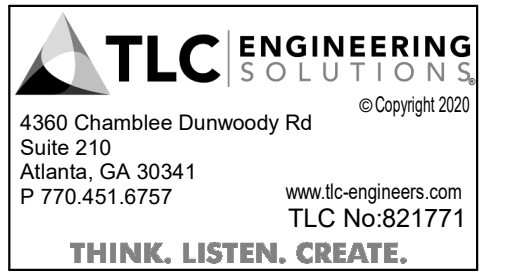




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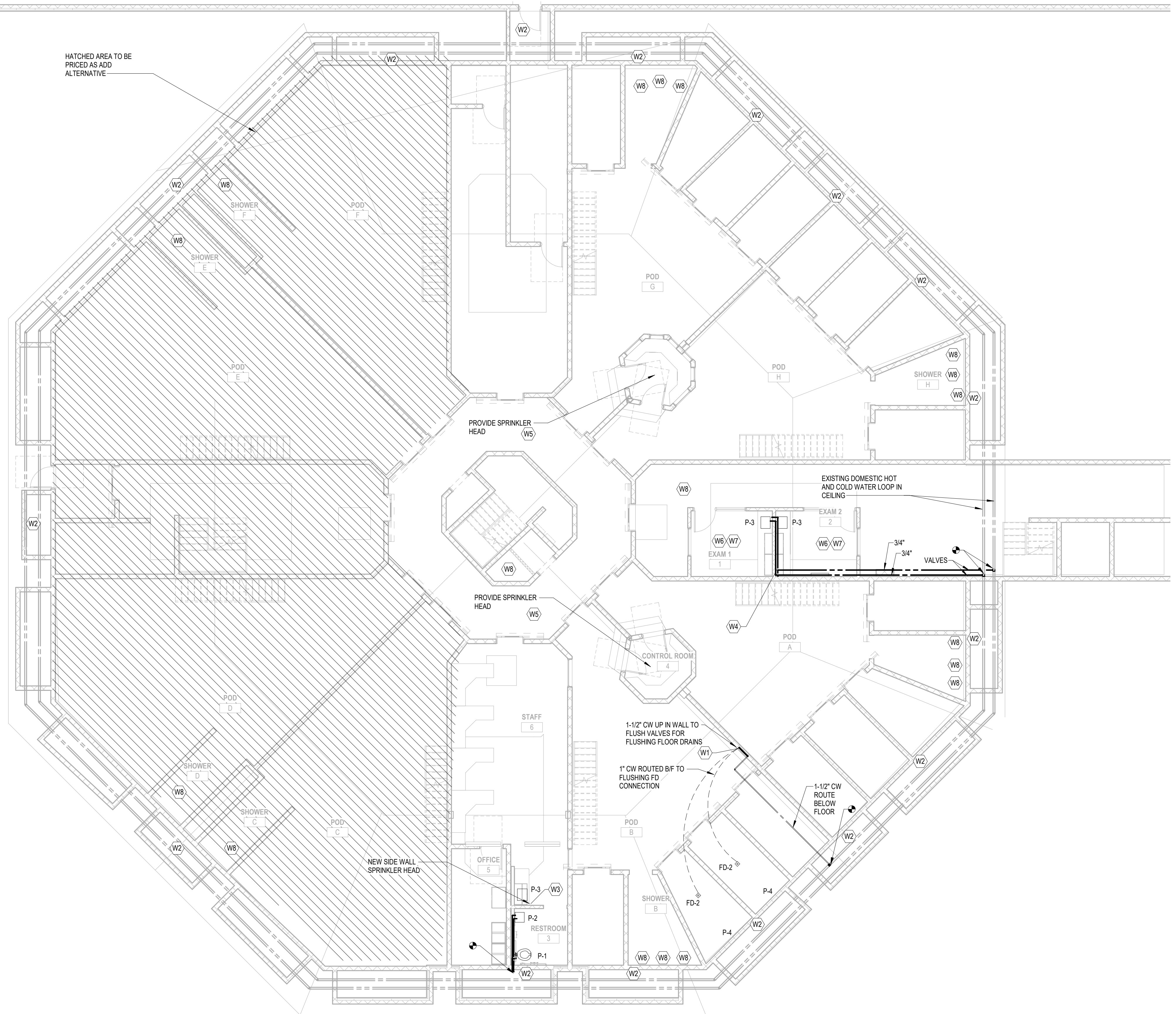
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**Sheet Title**  
**LEVEL 1 PLAN -  
PLUMBING -  
DOMESTIC**

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- GENERAL NOTES:**
1. PLANS OF EXISTING CONDITIONS ARE BASED ON ORIGINAL BUILDING DESIGN DRAWINGS. CONTRACTOR TO FIELD VERIFY CONDITION OF EXISTING WATER AND SANITARY AND VENT LINES. VERIFY LOCATIONS AND SIZES OF PIPING AND DIRECTION OF FLOW.
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  5. REPLACEMENT OF PIPING IN PLUMBING CHASE SHALL BE PRICED AS AN ADD-ALTERNATE.
  6. PLUMBING FOR SINKS IN THE EXAM ROOM SHALL BE PRICED AS AN ADD-ALTERNATE.
  7. REPLACE ALL SHOWER FIXTURES.

**KEYNOTES**

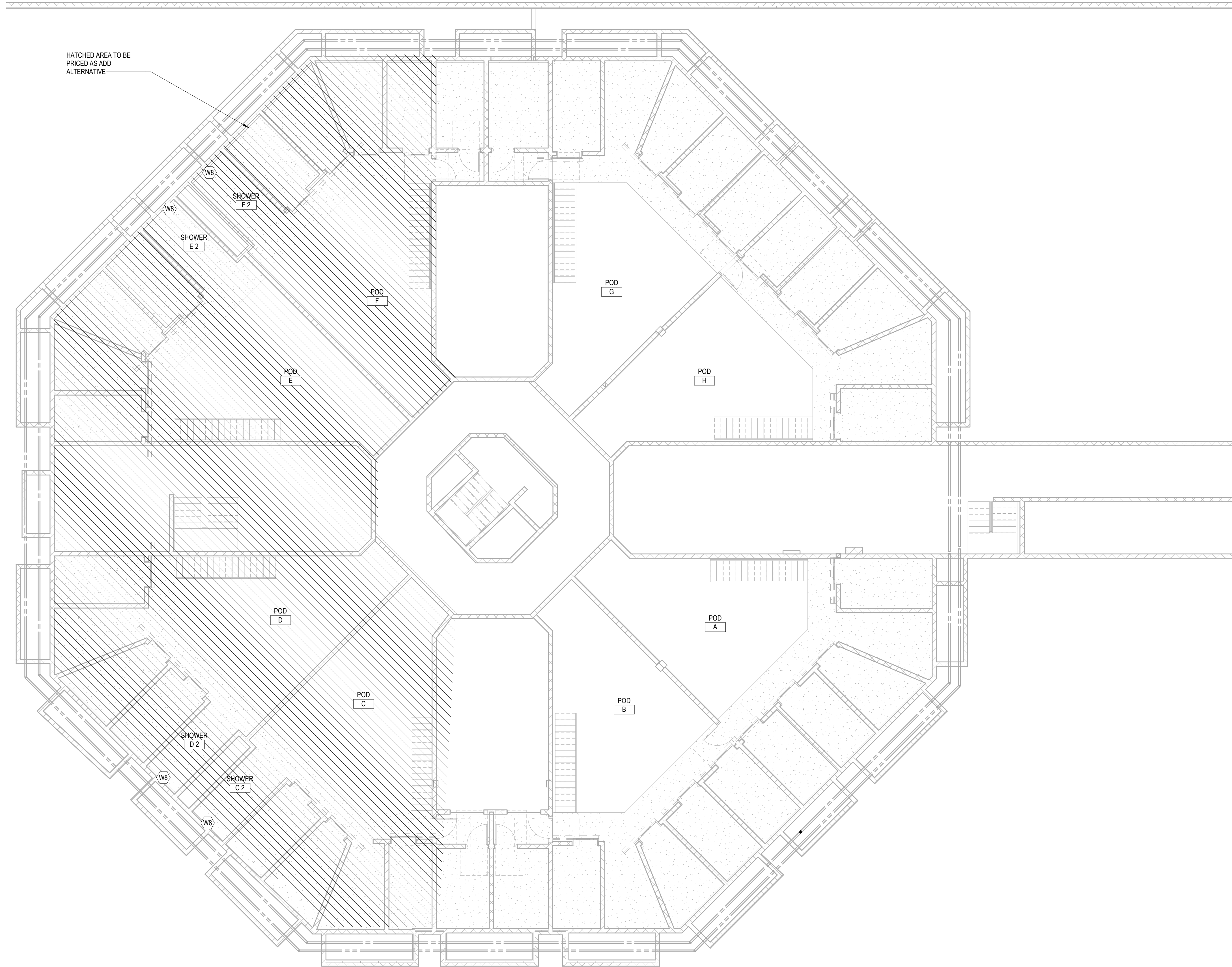
W1	PROVIDE PUSH BUTTON FLUSH VALVE RECESSED IN WALL FOR FLUSHING FLOOR DRAIN.
W2	PROVIDE NEW DOMESTIC WATER PIPING IN PLUMBING CHASE. SEE TYPICAL WATER RISER ON 1/P-4.02 AND 2/P-4.02 FOR SIZES, ISOLATION VALVE LOCATIONS, NEW BASE OF DESIGN RETRO FIT FLUSH VALVES, MIXING VALVE, LAVATORY MANIFOLD, AND CONTROLLERS.
W3	PROVIDE NEW SIDE WALL SPRINKLER HEAD WITH COVERAGE CONFORMING TO NFPA 13 - LIGHT HAZARD OCCUPANCY. CONNECT TO EXISTING SPRINKLER LINE IN CHASE AND ROUTE NEW SPRINKLER PIPING EXPOSED ALONG CEILING OF RESTROOM TO NEW SPRINKLER HEAD LOCATION. MAINTAIN ESTABLISHED HYDRAULIC PIPE SIZING FOR NEW SPRINKLER HEAD.
W4	3/4" HOT AND COLD WATER TO DROP IN NEW CHASE ALONG WALL AND ROUTE IN WALL TO NEW EXAM ROOM SINKS.
W5	PROVIDE NEW SPRINKLER HEAD IN CEILING WITH COVERAGE CONFORMING TO NFPA 13 - LIGHT HAZARD OCCUPANCY. CONNECT TO EXISTING SPRINKLER LINE IN ABOVE CEILING AND ROUTE DOWN NEW CHASE TO NEW SPRINKLER HEAD IN CEILING. MAINTAIN ESTABLISHED HYDRAULIC PIPE SIZING FOR NEW SPRINKLER HEAD.
W6	PROVIDE SPRINKLER COVERAGE PER NFPA 13 36" LIGHT HAZARD OCCUPANCY.
W7	CONNECT TO EXISTING SPRINKLER LINES AND MAINTAIN ESTABLISHED HYDRAULIC PIPE SIZING FOR NEW SPRINKLER HEADS.
W8	PROVIDE NEW SHOWER FIXTURE.

**1 FLOOR PLAN - PLUMBING - DOMESTIC**  
SCALE: 1/8" = 1'-0"

**ADD ALTERNATIVE:**  
**1. ALL WORK IN PODS C, D, E, F TO BE PRICED AS ADD ALTERNATIVE.**

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**GENERAL NOTES:**

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6. REPLACE ALL SHOWER FIXTURES.

KEYNOTES	
WB	PROVIDE NEW SHOWER FIXTURE.

**ADD ALTERNATIVE:**  
**1. ALL WORK IN PODS C,D, E, F TO BE PRICED AS ADD ALTERNATIVE.**

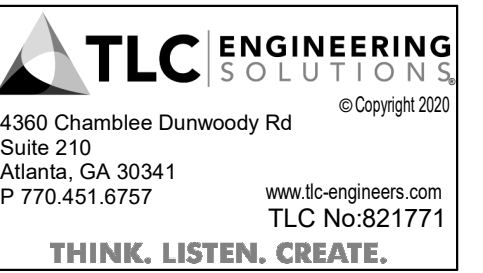
**1**  
**MEZZANINE**  
**LEVEL 2 PLAN - PLUMBING - DOMESTIC**  
 SCALE: 1/8" = 1'-0"



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7/15/2022



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**LEVEL 2 PLAN - PLUMBING -DOMESTIC**

**Sheet No.**

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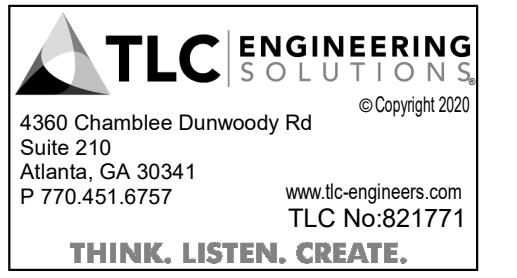
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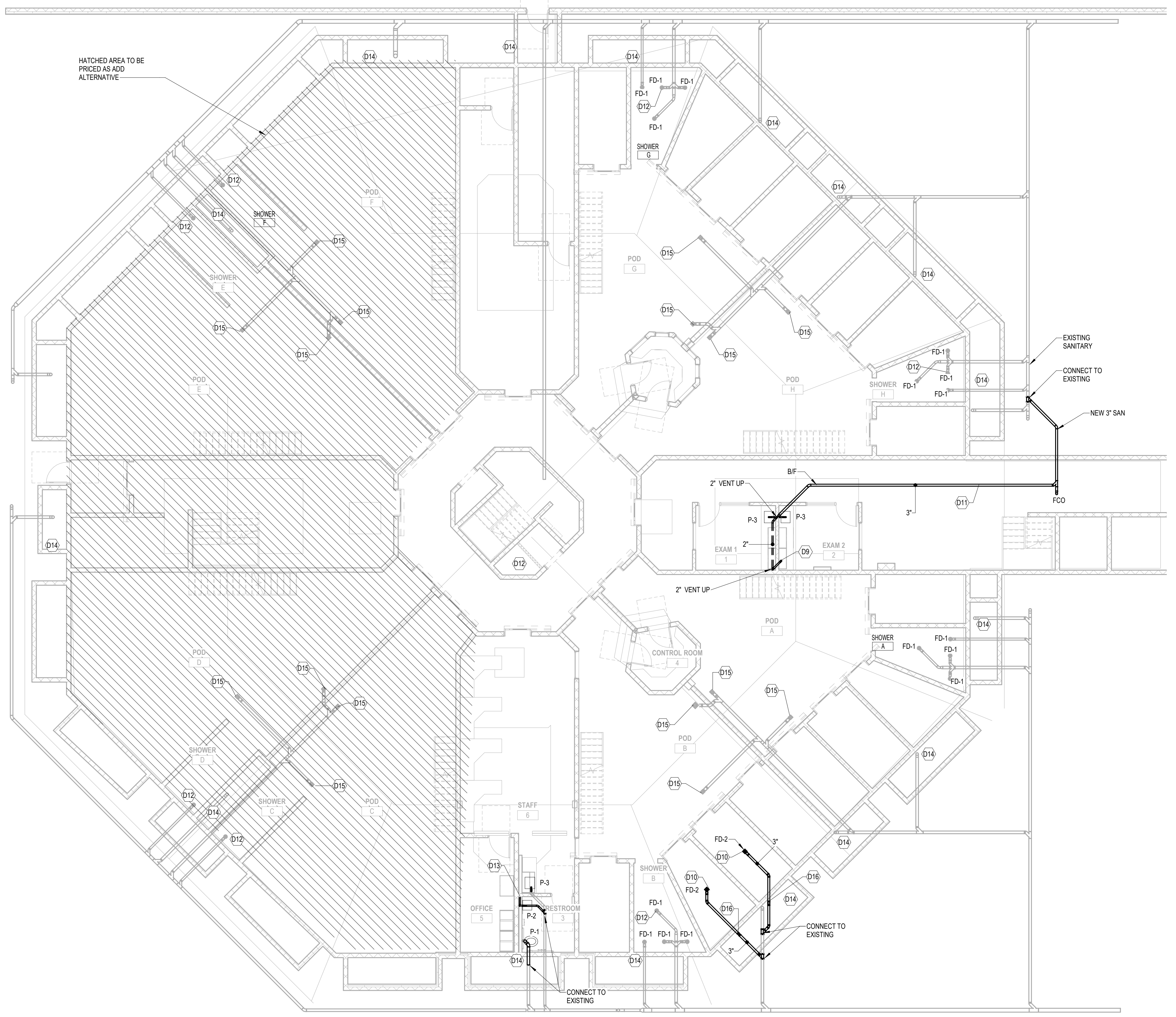
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**GENERAL NOTES:**

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7. PLUMBING FOR SINKS IN THE EXAM ROOM SHALL BE PRICED AS AN ADD-ALTERNATE.
8. PLUMBING RELATE MODIFICATION REQUIRED TO REPLACE THE ROOF SUCH AS REPLACEMENT OF EXISTING ROOF DRAINS SHALL BE PRICED AS AN ADD-ALTERNATE.
9. EVERY CELL TO HAVE NEW FLOOR DRAIN COVER.

**KEYNOTES**

- D9 2" VENT UP TO 3" VENT THROUGH ROOF.
- D10 PROVIDE FLUSHING FLOOR DRAIN IN CELL WITH 3" OUTLET.
- D11 PRIOR TO CUTTING FLOOR FOR SANITARY WASTE LINE, AREA SHALL BE SCANNED WITH GROUND PENETRATING RADAR FOR EXISTING ELECTRICAL SERVICE LOCATED BELOW SLAB IN THIS AREA. VERIFY FLOOR IS CLEAR PRIOR TO MAKING ANY CUTS.
- D12 PROVIDE NEW SHOWER DRAINS, CONNECT TO EXISTING DRAIN LINE.
- D13 CONNECT TO EXISTING VENT SERVING EXISTING SINK.
- D14 WASTE AND VENT REPLACEMENT IN PLUMBING CHASE SHALL BE A 1 FOR 1 REPLACEMENT, PROVIDE NO-HUB CAST IRON WITH HEAVY DUTY BAND CLAMPS, SIZED TO MATCH EXISTING PIPING IN SAME LOCATION AND PIPING CONFIGURATION. PROVIDE NEW SANITARY WASTE AND VENT SERVING EACH COMBINATION UNIT. CONNECT TO EXISTING VENT AT ROOF CUT UNDER DEMOLITION WITH NEW VENT SERVING UNITS. ROUTE SANITARY WASTE FROM COMBINATION UNITS TO EXISTING SANITARY CUT AT FLOOR UNDER DEMOLITION.
- D15 REPLACE OR PROVIDE DRAIN GRATE AS NEEDED ON EXISTING FLOOR DRAINS.
- D16 ROUTE 2" VENT UP AND CONNECT TO EXISTING VENT.

HATCHED AREA TO BE PRICED AS ADD ALTERNATIVE

**1 FLOOR PLAN - PLUMBING - SANITARY**  
SCALE: 1/8" = 1'-0"

**ADD ALTERNATIVE:**  
1. ALL WORK IN PODS C,D, E, F TO BE PRICED AS ADD ALTERNATIVE.

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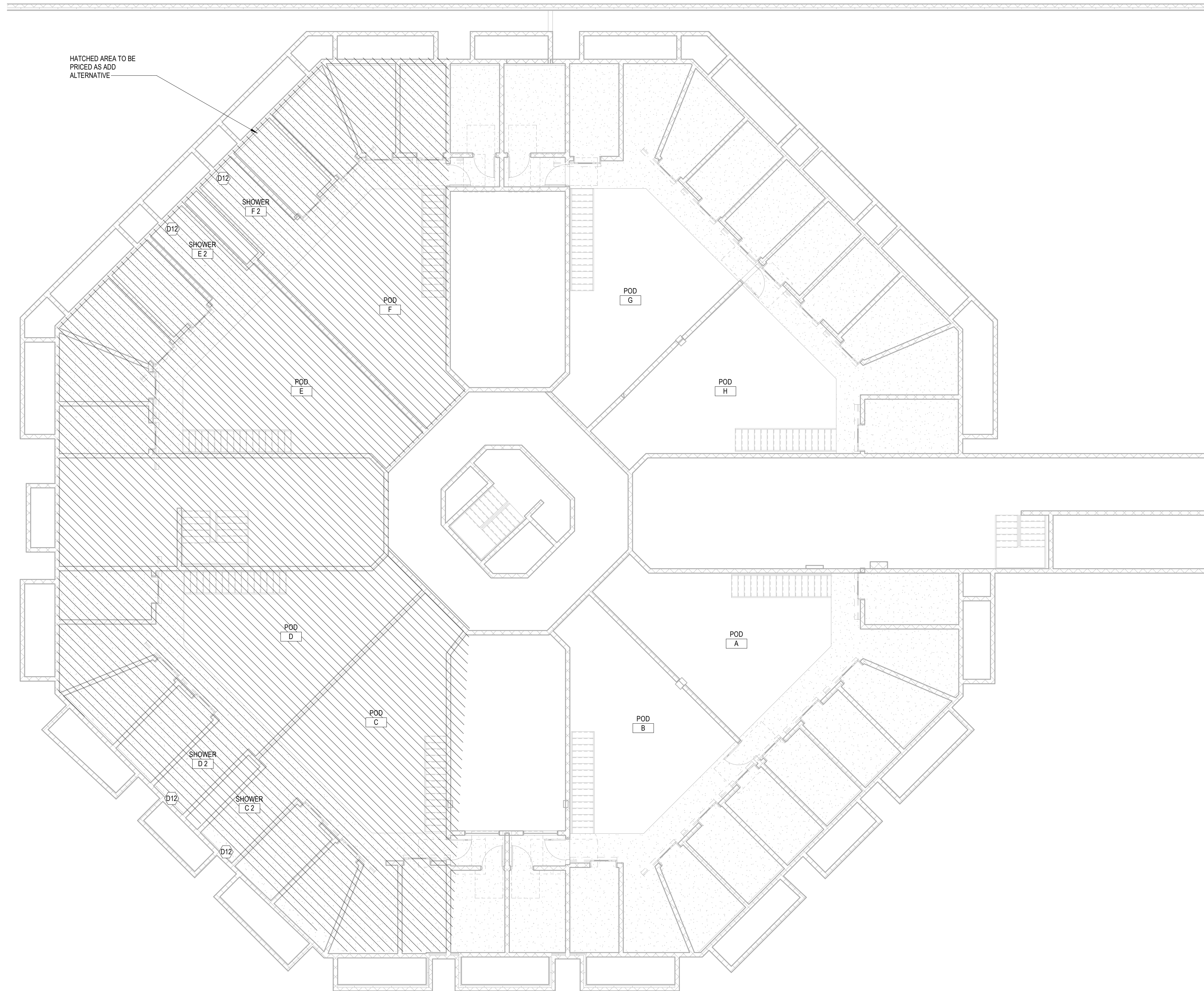
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**Sheet Title**  
**LEVEL 1 PLAN -  
PLUMBING -  
SANITARY**

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HATCHED AREA TO BE PRICED AS ADD ALTERNATIVE

**GENERAL NOTES:**

1. PLANS OF EXISTING CONDITIONS ARE BASED ON ORIGINAL BUILDING DESIGN DRAWINGS. CONTRACTOR TO FIELD VERIFY CONDITION OF EXISTING WATER AND SANITARY AND VENT LINES. VERIFY LOCATIONS AND SIZES OF PIPING AND DIRECTION OF FLOW.
2. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL NOTIFY ARCHITECT OF POTENTIAL CONFLICTS OR DEFICIENCIES IN THE EXISTING SYSTEM THAT MAY REQUIRE ADDITIONAL COST TO MAKE THE SYSTEM OPERATIONAL.
3. DRAWINGS DEPICT THE GENERAL INTENT OF THE SCOPE OF THE DEMOLITION WORK. NOT ALL ITEMS OF PLUMBING DEMOLITION ARE NECESSARILY SHOWN. THE CONTRACTOR SHALL BE REQUIRED TO FIELD VERIFY AND FIELD DETERMINE THE SCOPE OF THE DEMOLITION WORK. REFER TO THE ARCHITECT FOR CLARIFICATION.
4. CONTRACTOR SHALL PATCH AND REPAIR ALL LOCATIONS WHERE PENETRATIONS ARE ABANDONED TO MATCH EXISTING FINISHES AND MATERIALS UNLESS OTHERWISE NOTED ON ARCHITECTURAL SHEETS.
5. CONTRACTOR TO SNAKE OUT EXISTING SANITARY LINES BACK TO NEAREST MAIN BEFORE INSTALLING NEW FIXTURES.
6. REPLACEMENT OF PIPING IN PLUMBING CHASE SHALL BE PRICED AS AN ADD-ALTERNATE.
7. PLUMBING FOR SINKS IN THE EXAM ROOM SHALL BE PRICED AS AN ADD-ALTERNATE.
8. PLUMBING RELATE MODIFICATION REQUIRED TO REPLACE THE ROOF SUCH AS REPLACEMENT OF EXISTING ROOF DRAINS SHALL BE PRICED AS AN ADD-ALTERNATE.
9. EVERY CELL TO HAVE NEW FLOOR DRAIN COVER.

**KEYNOTES**

- D12 PROVIDE NEW SHOWER DRAINS, CONNECT TO EXISTING DRAIN LINE.

1

**MEZZANINE  
LEVEL 2 PLAN - PLUMBING - SANITARY**

SCALE: 1/8" = 1'-0"

**ADD ALTERNATIVE:**

1. ALL WORK IN PODS C,D, E, F TO BE PRICED AS ADD ALTERNATIVE.



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**LEVEL 2 PLAN -  
PLUMBING -  
SANITARY**

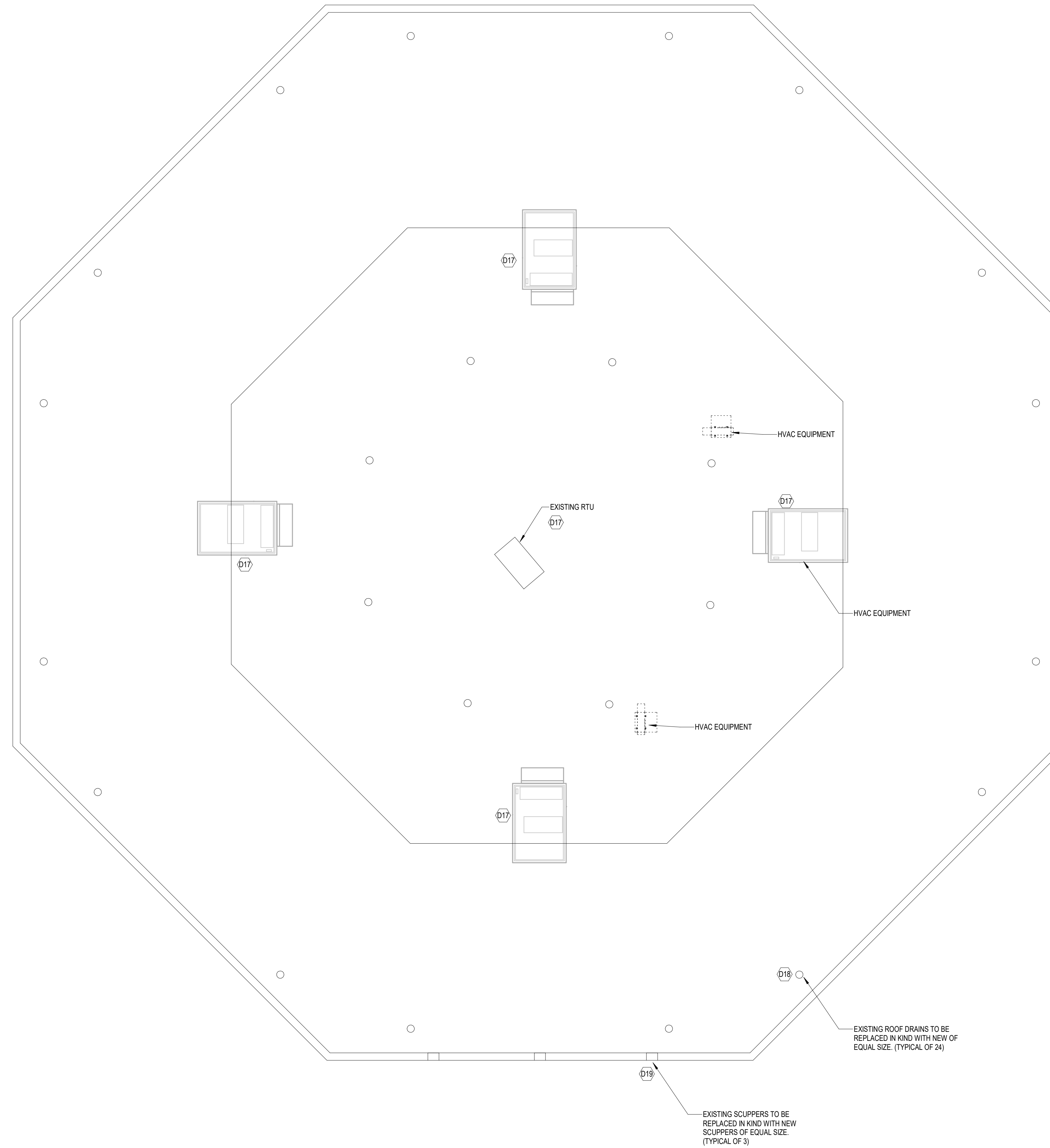
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**GENERAL NOTES:**

1. PLANS OF EXISTING CONDITIONS ARE BASED ON ORIGINAL BUILDING DESIGN DRAWINGS WITH EXISTING SCUPPER SIZES MEETING CURRENT BUILDING CODE FOR EMERGENCY RAINWATER OVERFLOW. CONTRACTOR TO FIELD VERIFY LOCATIONS, QUANTITIES, AND SIZES OF ROOF DRAINS AND SCUPPERS. SHOULD ADDITIONAL EMERGENCY RAINWATER OVERFLOW BE REQUIRED, NEW SECONDARY DRAINS, PIPING, AND OUTLETS MAY BE REQUIRED.
2. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL NOTIFY ARCHITECT OF POTENTIAL CONFLICTS OR DEFICIENCIES IN THE EXISTING SYSTEM THAT MAY REQUIRE ADDITIONAL COST TO MAKE THE SYSTEM OPERATIONAL.
3. DRAWINGS DEPICT THE GENERAL INTENT OF THE SCOPE OF THE DEMOLITION WORK. NOT ALL ITEMS OF PLUMBING DEMOLITION ARE NECESSARILY SHOWN. THE CONTRACTOR SHALL BE REQUIRED TO FIELD VERIFY AND FIELD DETERMINE THE SCOPE OF THE DEMOLITION WORK. REFER TO THE ARCHITECT FOR CLARIFICATION.
4. CONTRACTOR SHALL PATCH AND REPAIR ALL LOCATIONS WHERE PENETRATIONS ARE ABANDONED TO MATCH EXISTING FINISHES AND MATERIALS UNLESS OTHERWISE NOTED ON ARCHITECTURAL SHEETS.

**KEYNOTES**

- D17 DISCONNECT GAS CONNECTION TO EXISTING RTU. AFTER INSTALLATION OF NEW ROOF AND RTU IS SET ON NEW CURB HEIGHT, ADJUST LENGTH OF GAS PIPING AS REQUIRED TO RECONNECT GAS PIPING TO RTU.
- D18 REMOVE EXISTING ROOF DRAIN AND REPLACE IN KIND WITH NEW IRON BODY ROOF DRAINS WITH ALUMINUM DOME STRAINER, NEW DRAINS TO MATCH OUTLET SIZE OF EXISTING ROOF DRAINS AND SHALL BE EQUAL TO JR SMITH 1310 SERIES.
- D19 REMOVE EXISTING SCUPPERS AND REPLACE IN KIND WITH NEW SCUPPERS OF EQUAL SIZE.

**1 ROOF PLAN - PLUMBING**  
SCALE: 1/8" = 1'-0"



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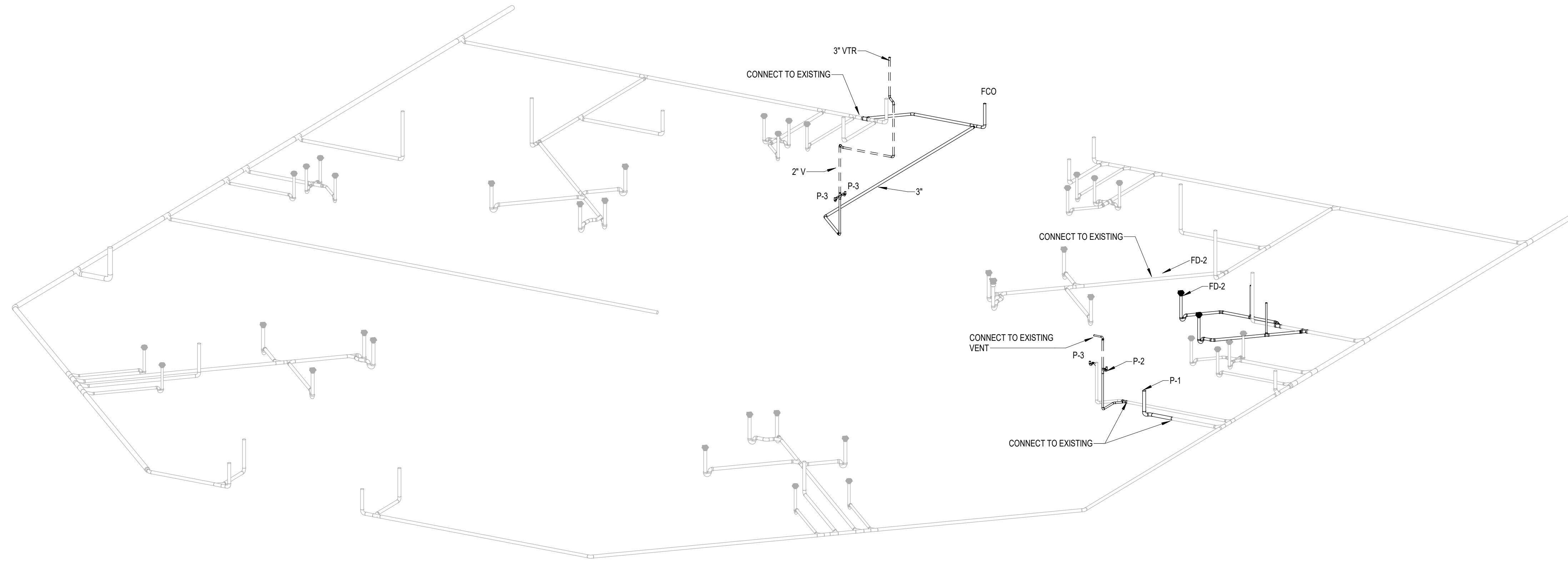
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**ROOF PLAN -  
PLUMBING**

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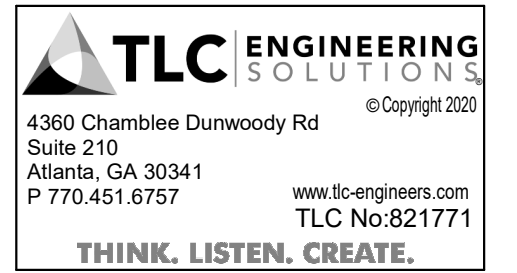
**1** BUILDING B WASTE AND VENT RISER  
**DIAGRAM**  
NOT TO SCALE



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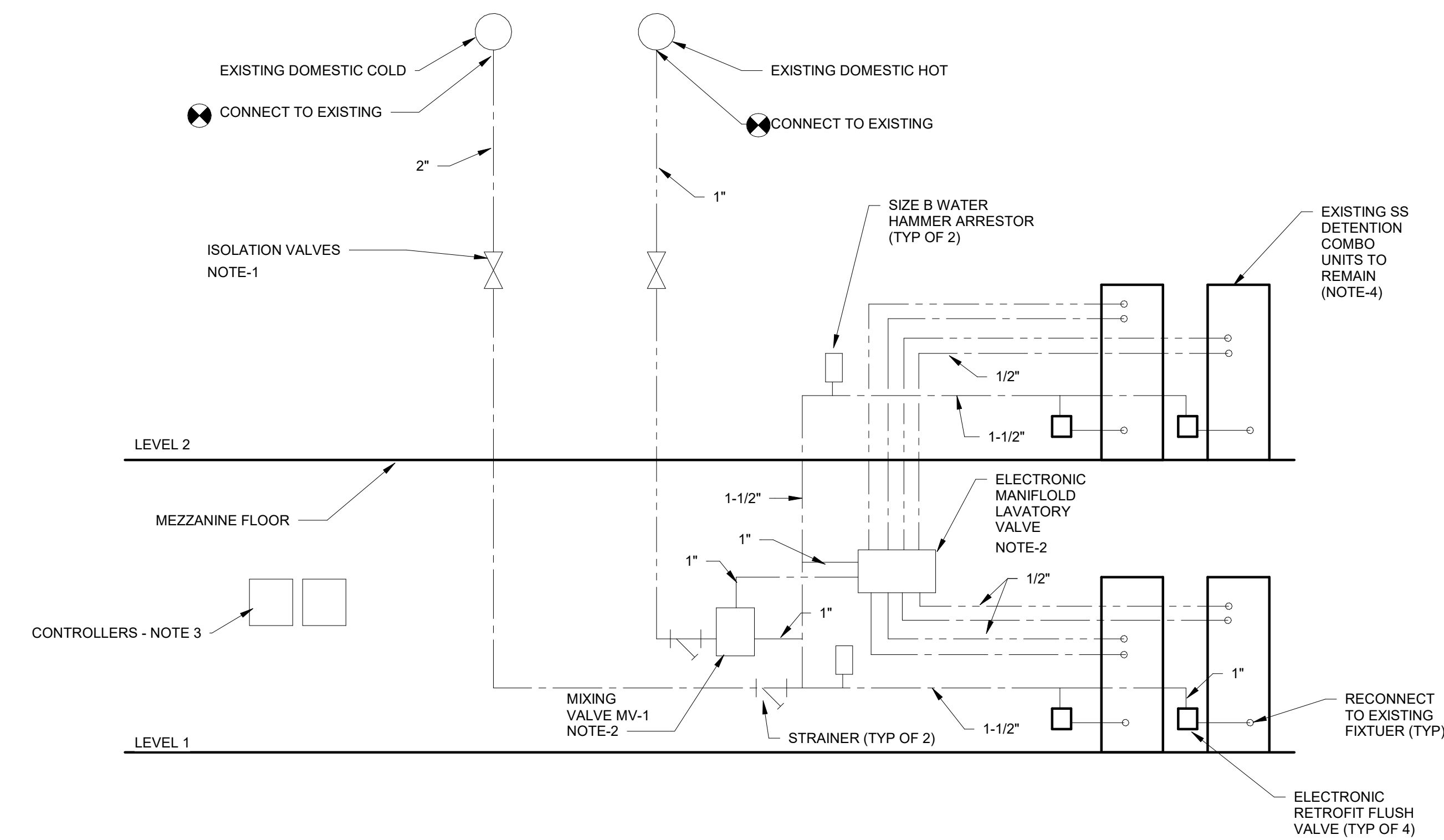
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**Sheet Title**  
**PLUMBING RISERS**

**Sheet No.**

**P-4.01**

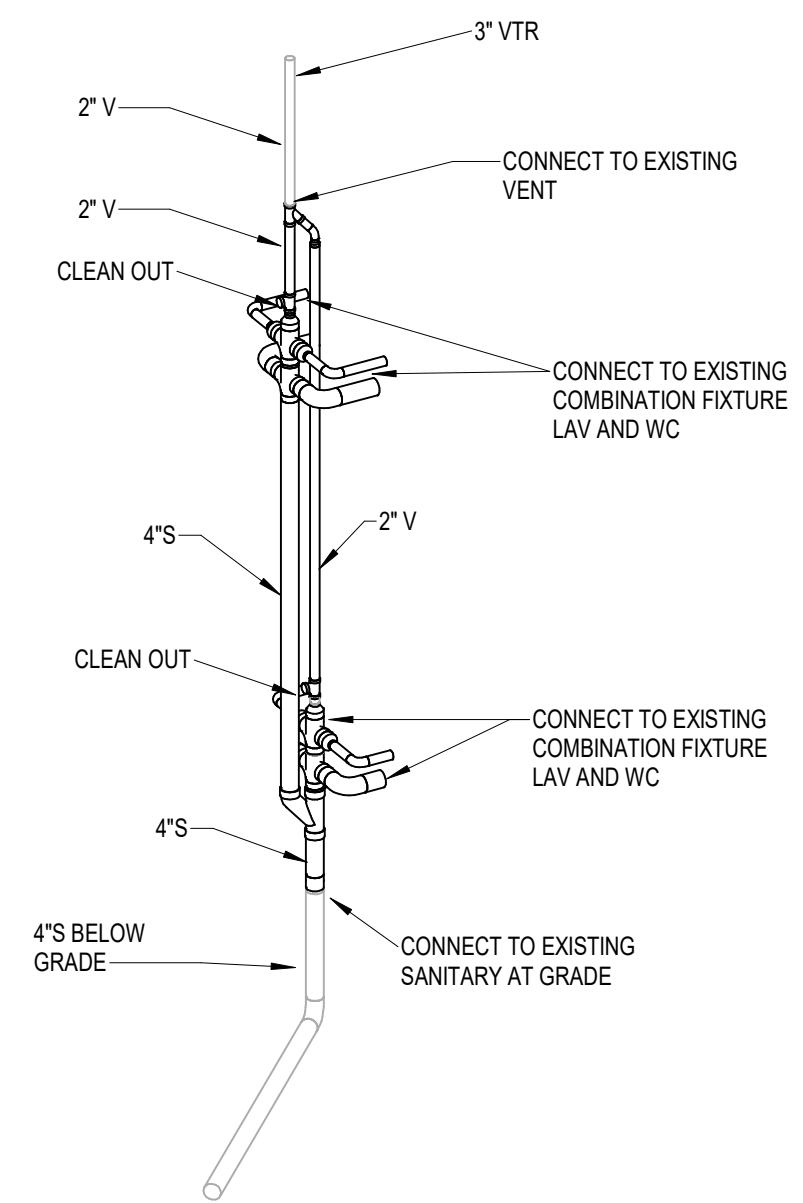
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**NOTES THIS RISER:**

- LOCATE NEW ISOLATION VALVES NO MORE THAN 5' ABOVE LEVEL 2 FLOOR.
- LOCATE MIXING VALVE, LAVATORY VALVE MANIFOLD, AND CONTROLLER ON LEVEL 1, NO MORE THAN 5' ABOVE GRADE.
- CONTROLLER SHALL BE 24 VAC POWER, WITH 8 INPUT / 8 OUTPUT. PROVIDE ONE CONTROLLER SERVING TWO COMBINATION UNITS. PROVIDE UNIT EQUAL TO ICON NEXUS MODEL CTR-X12-AC-08 SERIES.
- PROVIDE FORCE ACTIVATED TOUCH SENSOR EQUAL TO ICON TRU TOUCH MODEL SEN-1501 SERIES IN EXISTING COMBINATION UNITS.
- RETRO FIT FLUSH VALVE SHALL BE EQUAL TO ICON MOMENTUM MODEL VLV-FVL-3801 SERIES.
- PROVIDE MANIFOLD LAVATORY VALVE EQUAL TO ICON ELEMENT MODEL VLV-LAV-4830 SERIES.
- PROVIDE WIRELESS COMMUNICATION DAUGHTERBOARD TO PLUG INTO CONTROLLER TO ALLOW WIRELESS COMMUNICATION WITH CONTROL TOWER AND FIXTURE VALVES. PRODUCT SHALL BE EQUAL TO ICON NTC-CAM-X12 RFC.
- PROVIDE NETWORK INTERFACE EQUAL TO ICON'S ENVISAGE USB NETWORK INTERFACE FOR WIRELESS CONNECTION TO ICON NEXUS CONTROLLER.
- PROVIDE WATER MANAGEMENT CONSOLE IN CONTROL TOWER EQUAL TO ICON ENVISAGE NTC-CCS-2000 SERIES.
- EXISTING COMBINATION UNIT TO BE EVALUATED FOR FUNCTIONALITY. IF INTERNAL PIPING CONNECTIONS, OUTLETS, OR NOSSELS IS CLOGGED, OR DEGERATED THEN FIXTURE SHALL BE REPAVED, IF EXISTING FIXTUER IS IN WORKING ORDER THEN EXISTING COMBINATION UNIT TO BE REUSED.

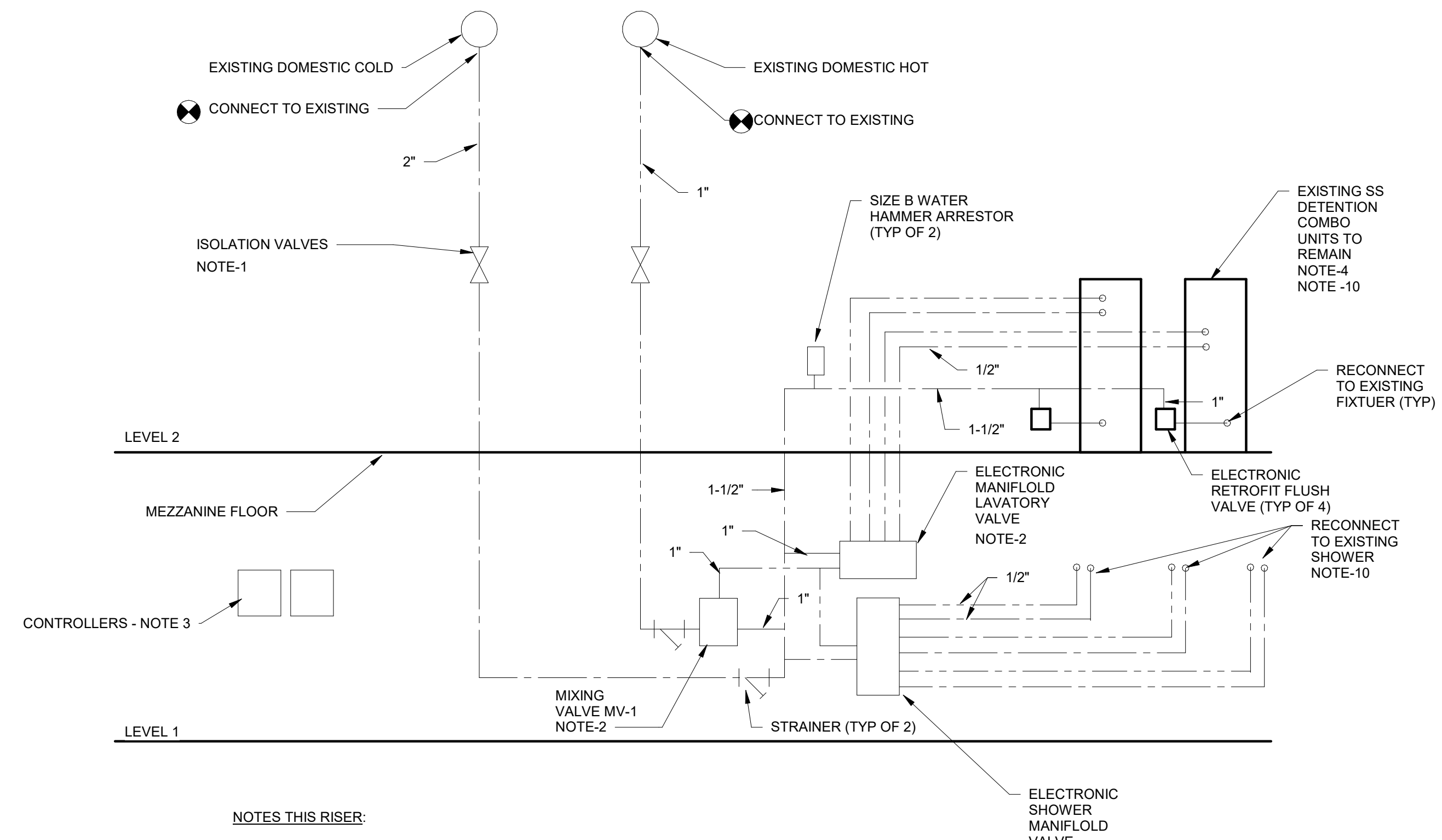
2 P.4.02 TYPICAL DOMESTIC WATER PLUMBING CHASE RISER N.T.S.



**NOTES THIS RISER:**

- WASTE AND VENT REPLACEMENT IN PLUMBING CHASE SHALL BE A 1 FOR 1 REPLACEMENT. PROVIDE NO-HUB CAST IRON WITH HEAVY DUTY BAND CLAMPS, SIZED TO MATCH EXISTING PIPING IN SAME LOCATION AND PIPING CONFIGURATION. PROVIDE NEW SANITARY WASTE AND VENT SERVING EACH COMBINATION UNIT. CONNECT TO EXISTING VENT AT ROOF CUT UNDER DEMOLITION WITH NEW VENT SERVING UNITS. ROUTE SANITARY WASTE FROM COMBINATION UNITS TO EXISTING SANITARY CUT AT FLOOR UNDER DEMOLITION.
- MODIFY RISER TO MATCH EXISTING CONDITIONS FOR CHASES WITH FIXTUERS ON SECOND FLOOR ONLY.

3 P.4.02 TYPICAL PLUMBING CHASE WASTE AND VENT



**NOTES THIS RISER:**

- LOCATE NEW ISOLATION VALVES NO MORE THAN 5' ABOVE LEVEL 2 FLOOR.
- LOCATE MIXING VALVE, LAVATORY VALVE MANIFOLD, AND CONTROLLER ON LEVEL 1, NO MORE THAN 5' ABOVE GRADE.
- CONTROLLER SHALL BE 24 VAC POWER, WITH 8 INPUT / 8 OUTPUT. PROVIDE ONE CONTROLLER SERVING TWO COMBINATION UNITS. PROVIDE UNIT EQUAL TO ICON NEXUS MODEL CTR-X12-AC-08 SERIES.
- PROVIDE FORCE ACTIVATED TOUCH SENSOR EQUAL TO ICON TRU TOUCH MODEL SEN-1501 SERIES IN EXISTING COMBINATION UNITS.
- RETRO FIT FLUSH VALVE SHALL BE EQUAL TO ICON MOMENTUM MODEL VLV-FVL-3801 SERIES.
- PROVIDE MANIFOLD LAVATORY VALVE EQUAL TO ICON ELEMENT MODEL VLV-LAV-4830 SERIES.
- PROVIDE WIRELESS COMMUNICATION DAUGHTERBOARD TO PLUG INTO CONTROLLER TO ALLOW WIRELESS COMMUNICATION WITH CONTROL TOWER AND FIXTURE VALVES. PRODUCT SHALL BE EQUAL TO ICON NTC-CAM-X12 RFC.
- PROVIDE NETWORK INTERFACE EQUAL TO ICON'S ENVISAGE USB NETWORK INTERFACE FOR WIRELESS CONNECTION TO ICON NEXUS CONTROLLER.
- PROVIDE WATER MANAGEMENT CONSOLE IN CONTROL TOWER EQUAL TO ICON ENVISAGE NTC-CCS-2000 SERIES.
- EXISTING COMBINATION UNIT TO BE EVALUATED FOR FUNCTIONALITY. IF INTERNAL PIPING CONNECTIONS, OUTLETS, OR NOSSELS IS CLOGGED, OR DEGERATED THEN FIXTURE SHALL BE REPAVED, IF EXISTING FIXTUER IS IN WORKING ORDER THEN EXISTING COMBINATION UNIT TO BE REUSED.
- PROVIDE 24V AC SHOWER MANIFOLD VALVE FOR USE WITH PRE-TEMPERED WATER, SERVING THREES SHOWERS. PRODUCT SHALL BE EQUAL TO ICON VLV-SHW-H61X SERIES.

1 P.4.02 DOMESTIC WATER PLUMBING CHASE WITH SHOWER RISER N.T.S.



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**PLUMBING RISERS**

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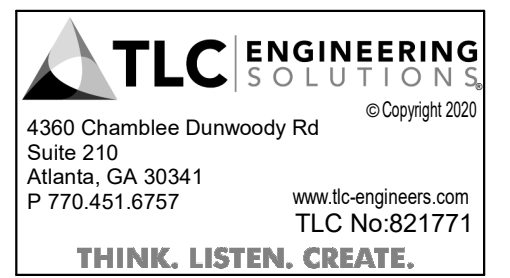
GENERAL MECHANICAL SYMBOLS		HVAC SYMBOLS		MECHANICAL GENERAL NOTES			
	POINT WHERE NEW CONNECTS TO EXISTING		SQUARE DUCT SIZE TAG (WIDTH x HEIGHT)	<b>HVAC GENERAL NOTES</b> 1 THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING, PRIOR TO FINAL BID, ALL EXISTING CONDITIONS FOR MECHANICAL SYSTEMS WITHIN TENANT SPACE AND WITHIN CLOSE PROXIMITY OF TENANT SPACE. 2 COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, AND EQUIPMENT TO PREVENT CONFLICTS. 3 THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE ILLUSTRATED BY THESE DOCUMENTS AS WELL AS THOSE WHICH CAN BE REASONABLY ANTICIPATED INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT. 4 FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL MECHANICAL CODE. 5 FIRE SEAL AROUND DUCT AND PIPING PENETRATIONS OF FIRE RATED WALLS. REFER TO SPECIFICATION. 6 PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF. 7 ADJUST PIPING AND DUCTWORK SIZES TO PROPERLY CONNECT TO MECHANICAL EQUIPMENT. 8 FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS, REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS. 9 INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS. 10 LOCATIONS OF PIPING, DUCTWORK, AND EQUIPMENT AS INDICATED ON THE DRAWING, ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN THE FIELD. 11 ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE RATED FOR PRESSURE CLASS OF 2" W.G. UNLESS NOTED OTHERWISE. 12 THE CONTRACTOR SHALL BE REQUIRED TO REPLACE FILTERS ON HVAC EQUIPMENT AFTER ALL DUST PRODUCING CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO THE FINAL PUNCH.			
	KEYNOTE		ROUND DUCT SIZE TAG (DIAMETER)				
	CONTINUATION SYMBOL		EXISTING DUCT TAG				
	ROOM NAME AND NUMBER		DUCT BEING DEMOLISHED				
	ITEM TO BE DEMOLISHED		SUPPLY AIR				
<b>ABBREVIATIONS</b> Ø ROUND ABV ABOVE AC AIR CONDITIONING AD AREA DRAIN ADD ADDENDUM AFF ABOVE FINISHED FLOOR AFUE ANNUAL FUEL UTILIZATION EFFICIENCY ALT ALTERNATE AP ACCESS PANEL ARCH ARCHITECT/ARCHITECTURAL BFF BELOW FINISHED FLOOR BLW BELOW BTU BRITISH THERMAL UNITS BTUH BRITISH THERMAL UNITS PER HOUR CAP CAPACITY CB CATCH BASIN CFM CUBIC FEET PER MINUTE CLG CEILING CO CLEAN OUT CW COLD WATER D DEGREE DB DRY BULB DIA DIAMETER DN DOWN DW DISTILLED WATER EA EACH EAT ENTERING AIR TEMPERATURE ELEC ELECTRICAL EQUIP EQUIPMENT EWC ELECTRIC WATER COOLER EWT ENTERING WATER TEMPERATURE EIA EXHAUST AIR EXIST EXISTING °F DEGREES FAHRENHEIT FCO FLOOR CLEAN OUT FD FLOOR DRAIN FD FIRE DAMPER FDV FIRE DEPARTMENT VALVE FL FLOOR FO FUEL OIL FOW FUEL OIL VENT FOR FUEL OIL RETURN FOS FUEL OIL SUPPLY FPM FEET PER MINUTE FS FLOOR SINK FT FOOT/FEET FTR FIN TUBE RADIATION GAL GALLON GC GENERAL CONTRACTOR GPM GALLONS PER MINUTE GW GREASE WASTE HB HOSE BIBB HP HORSE POWER HTG HEATING HTR HEATER HW HOT WATER HYD HYDRANT ID INDIRECT IN INCH INV INVERT LB POUND LB/HR POUNDS PER HOUR LAT LEAVING AIR TEMPERATURE LP LOW PRESSURE LPG LIQUEFIED PETROLEUM GAS LVR LOUVER LWT LEAVING WATER TEMPERATURE MA MIXED AIR MAX MAXIMUM MBH ONE THOUSAND BTU PER HOUR MCF ONE THOUSAND CUBIC FEET MD MOTORIZED DAMPER MECH MECHANICAL MFR MANUFACTURER MIN MINIMUM MISC MISCELLANEOUS MTR MOTOR MUA MAKE-UP AIR NC NOISE CRITERIA NC NORMALLY CLOSED NFS NON-FUSED SWITCH NIC NOT IN CONTRACT NO NUMBER NO NORMALLY OPEN NTS NOT TO SCALE OA OUTSIDE AIR ORD OVERFLOW ROOF DRAIN PD PRESSURE DROP PIV POST INDICATOR VALVE PLBG PLUMBING PRESS PRESSURE PRV PRESSURE REDUCING VALVE PSI POUNDS PER SQUARE INCH PSIG POUNDS PER SQUARE INCH GAUGE PWR POWER R DUCT RISER RA RETURN AIR RCP RADIANT CEILING PANEL RD ROOF DRAIN REC RECESSED RED REDUCER RH RELATIVE HUMIDITY RLVA RELIEF AIR RM ROOM RPM REVOLUTIONS PER MINUTE RW RAIN WATER SF SQUARE FOOT SA SUPPLY AIR SAN SANITARY SF SQUARE FOOT SD SMOKE DAMPER SM SURFACE MOUNT SP STANDPIPE SP STATIC PRESSURE STM STEAM T THERMOSTAT TD TEMPERATURE DROP TOR TRENCH DRAIN TEMP TEMPERATURE TYP TYPICAL UG UNDERGROUND VAC VACUUM V VENT VAV VARIABLE AIR VOLUME VENT VENTILATION VTR VENT THROUGH ROOF W WASTE WB WET BULB WCO WALL CLEAN OUT WH WALL HYDRANT		<b>GRILLES, REGISTERS &amp; DIFFUSERS TAG</b> TYPE (SEE SCHEDULE) SUPPLY DIFFUSER				CFM MAKE-UP AIR NECK SIZE / MODULE SIZE THROW-150FFPM 100FFPM 50FFPM THROW PATTERN MAX NC RATING EGGRATE RETURN GRILLE LOUVERED GRILLE	
		<b>EQUIPMENT ABBREVIATIONS</b> AC AIR CONDITIONING UNIT ACC AIR COOLED CONDENSER ACCU AIR COOLING CONDENSING UNIT AHU AIR HANDLING UNIT AS AIR SEPARATOR B BOILER CH CHILLER CT COOLING TOWER CU CONDENSING UNIT CUH CABINET UNIT HEATER CWP CONDENSER WATER PUMP CHWP CHILLED WATER PUMP DBP DOMESTIC WATER BOOSTER PUMP DC DUCT MOUNTED COIL DCU DOMESTIC WATER CIRCULATING PUMP DCU DUCTLESS CONDENSING UNIT DFC DUCTLESS FAN COIL UNIT DOAS DEDICATED OUTSIDE AIR SYSTEM EDC ELECTRIC DUCT COIL EF EXHAUST FAN EH ELECTRIC HEATER ET EXPANSION TANK EWH ELECTRIC WATER HEATER FCU FAN COIL UNIT FP FIRE PUMP GI GREASE INTERCEPTOR GRV GRAVITY ROOF VENTILATOR HWP HEATING WATER PUMP HX HEAT EXCHANGER HRU HEAT RECOVERY UNIT OAU OUTSIDE AIR UNIT PRV POWER ROOF VENTILATOR REF RETURN/EXHAUST FAN RH ROOF HOOD RTU ROOFTOP UNIT SEP SEWAGE EJECTOR PUMP SF SUPPLY FAN SP SUMP PUMP UH UNIT HEATER WH WATER HEATER				*NOTE* ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.	



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A. HVAC WORK ASSOCIATED WITH ROOF REPLACEMENT  
 1. CONTRACTOR SHALL COORDINATE WORK REQUIRED FOR EXISTING PACKAGED ROOFTOP UNITS AND ROOF MOUNTED EXHAUST FANS TO ACCOMPLISH ROOF REPLACEMENT. IF REPLACEMENT OF ROOF INCREASES THE FINISHED ELEVATION OF THE ROOF SURFACE (THROUGH ADDITION OF INSULATION OR OTHER MATERIAL), SUPPLY EXISTING PACKAGED ROOFTOP UNITS AND ROOF MOUNTED EXHAUST FANS WITH A NEW ROOF CURB TO REPLACE EXISTING OR PROVIDE EXISTING CURB WITH A CURB EXTENSION OR ADAPTER SO THAT THE PACKAGED ROOFTOP UNIT IS ELEVATED NO LESS THAN 14 INCHES ABOVE THE FINISHED SURFACE OF THE ROOF. IF THE ROOF REPLACEMENT RESULTS IN THE ELEVATION OF THE FINISHED ROOF SURFACE REMAINING UNCHANGED, THE EXISTING CURB MAY REMAIN WITH NEW ROOFING BEING FLASHED INTO EXISTING ROOF CURB.  
 2. WHERE EXISTING ROOFTOP UNITS OR ROOF MOUNTED EXHAUST FANS ARE LIFTED OFF EXISTING ROOF CURBS, CONTRACTOR SHALL DISCONNECT EXISTING DUCTWORK, ELECTRICAL SERVICE, GAS PIPING, AND ALL OTHER ATTACHED SERVICES PRIOR TO UNIT BEING LIFTED OFF OF CURB. ONCE UNIT IS LOWERED BACK ONTO CURB, PREVIOUSLY DISCONNECTED SERVICES, INCLUDING BUT NOT LIMITED TO DUCTWORK, ELECTRICAL SERVICE AND GAS PIPING, SHALL BE RECONNECTED TO ROOFTOP UNIT AND/OR ROOF MOUNTED EXHAUST FAN. WHERE ELEVATION OF UNIT OR FAN IS GREATER THAN THAT OF PREVIOUS INSTALLATION, EXTEND SERVICES AS NECESSARY TO CONNECT TO UNIT AT NEW ELEVATION.

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**MECHANICAL NOTES  
& LEGEND**

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DX SPLIT SYSTEM - INDOOR UNIT SCHEDULE														
TAG	MANUFACTURER	MODEL NO.	TYPE	SUPPLY AIRFLOW	COOLING COIL				HEAT PUMP			OUTDOOR UNIT		
					CAP		AIRSIDE		CAP	EAT(db)	VOLT	PH	TAG	NOTES
					TOTAL	SENSIBLE	EAT(db)	EAT(wb)						
FCU-1	DAIKIN	FTXB9AXVJU	WALL MTD DUCTLESS	330 CFM	6,000 Btu/h	4,500 Btu/h	80.0 °F	67.0 °F	4,500 Btu/h	70.0 °F	208 V	1	CU-1	ALL
FCU-2	DAIKIN	FTXB9AXVJU	WALL MTD DUCTLESS	330 CFM	6,000 Btu/h	4,500 Btu/h	80.0 °F	67.0 °F	4,500 Btu/h	70.0 °F	208 V	1	CU-2	ALL

- NOTES:  
 1. SINGLE POINT POWER CONNECTION.  
 2. R-410A REFRIGERANT.  
 3. DISCONNECT SWITCH FOR INDOOR UNIT BY DIVISION 26.  
 4. WALL-MOUNTED PROGRAMMABLE THERMOSTAT.

DX SPLIT SYSTEM - OUTDOOR UNIT SCHEDULE														
TAG	LOCATION	NAME	MANUFACTURER	MODEL NO.	COMPRESSOR		SUMMER AMBIENT DBT	WINTER AMBIENT DBT	SEER	HSPF	VOLT	PH	INDOOR UNIT	
					CAP	REFRIGERANT							TAG	NOTES
CU-1	ROOF	DAIKIN	RXB9AXVJU	0.75 ton	R-410A	95.0 °F	17.0 °F	17	9	208 V	1	FCU-1	ALL	
CU-2	ROOF	DAIKIN	RXB9AXVJU	0.75 ton	R-410A	95.0 °F	17.0 °F	17	9	208 V	1	FCU-2	ALL	

- NOTES:  
 1. SINGLE POINT POWER CONNECTION.  
 2. R-410A REFRIGERANT.  
 3. FACTORY-SUPPLIED AIR FILTER.  
 4. FACTORY-PROVIDED CONDENSATE PUMP (33 FEET OF HEAD, MINIMUM).  
 5. DISCONNECT SWITCH FOR OUTDOOR UNIT BY DIVISION 26.

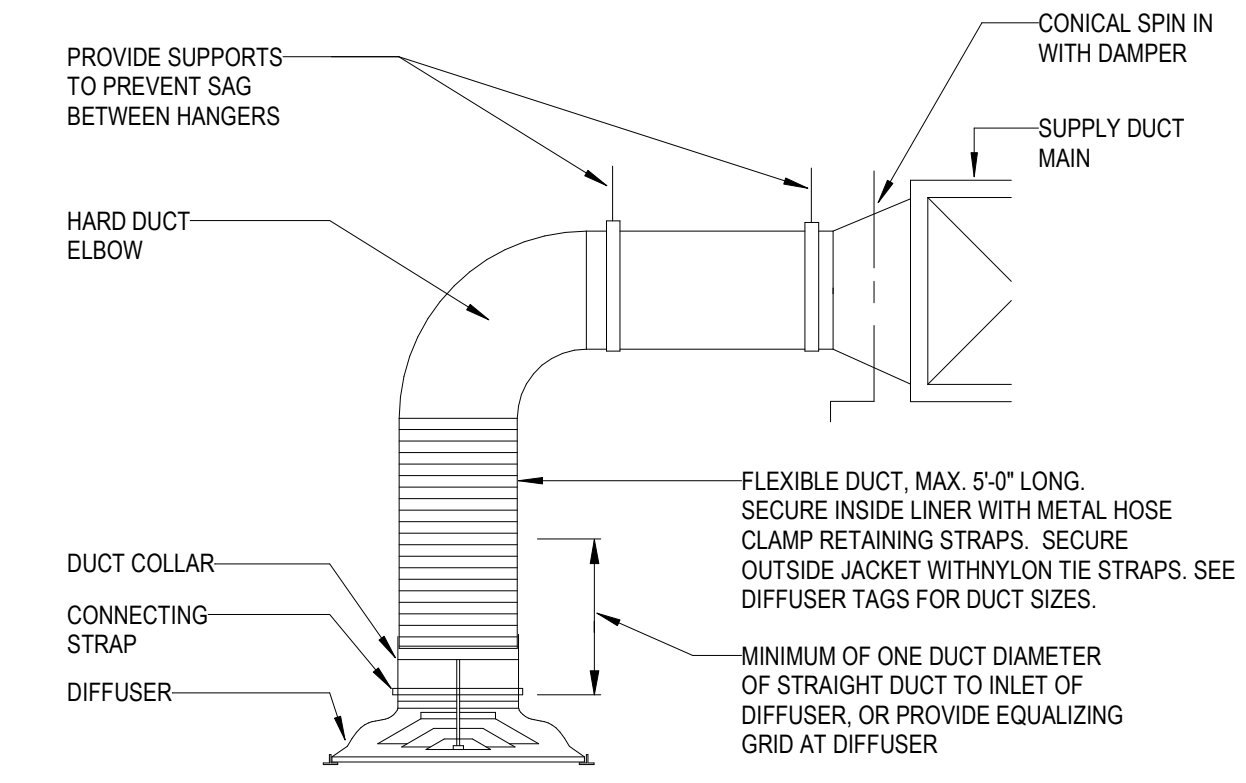
FAN SCHEDULE													
TAG	MANUFACTURER	MODEL	TYPE	FAN				UNIT WEIGHT	VOLT	PH	NOTES		
				AIRFLOW	ESP	RPM	DRIVE TYPE					MOTOR	
												POWER	ECM
EF-1	GREENHECK	SQ-60-VG	SINGLE DUCT	150 CFM	0.25 in-wg	1725	DIRECT	0.03 hp	No	26 lb	115 V	1	1 THRU 5

- NOTES:  
 1. GRAVITY BACKDRAFT DAMPER.  
 2. SPEED CONTROLLER.  
 3. VIBRATION ISOLATORS, NEOPRENE.  
 4. STANDARD PRE-WIRED FACTORY DISCONNECT. ALL FACTORY WIRING ENCLOSED IN FLEXIBLE CONDUIT.  
 5. FLEXIBLE DUCTWORK CONNECTIONS.

ACCEPTABLE ALTERNATE MANUFACTURERS: COOK, PENN-BARRY

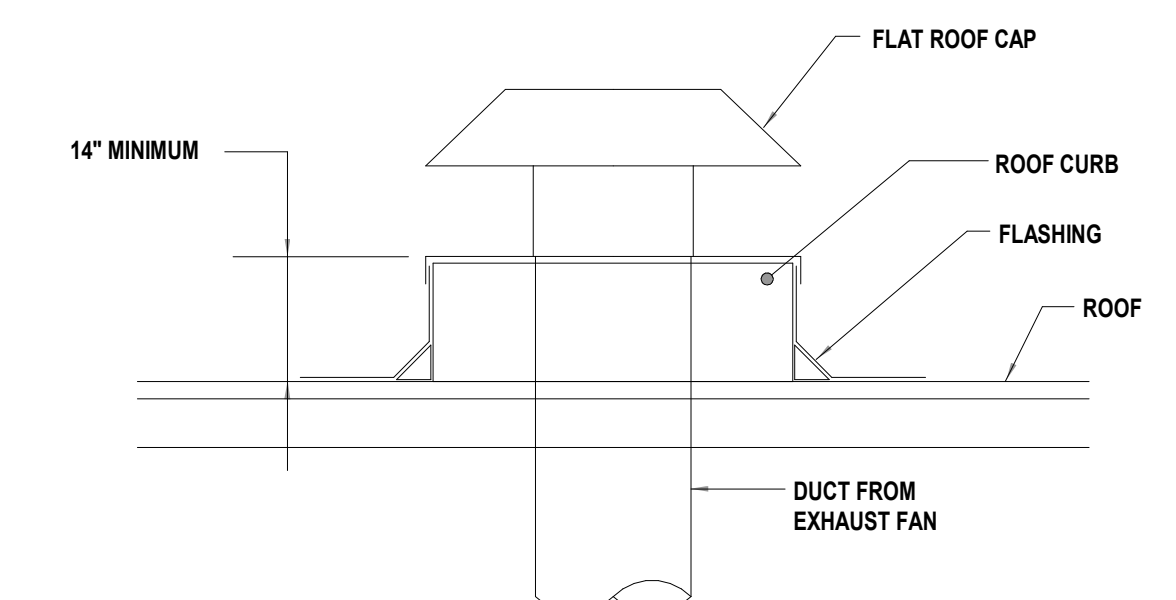
AIR DISTRIBUTION SCHEDULE					
TAG	MANUFACTURER	MODEL	FINISH	SPECIFICATION	
A	TITUS	SG-TDC	WHITE ENAMEL	PERFORATED GRILLE WITH 3/16" HOLES, ALL WELDED CONSTRUCTION, COMPLIES WITH NIC GUIDELINES FOR SUICIDE PREVENTION	
B	TITUS	SG-PRA	WHITE ENAMEL	PERFORATED GRILLE WITH 3/16" HOLES, ALL WELDED CONSTRUCTION, COMPLIES WITH NIC GUIDELINES FOR SUICIDE PREVENTION	
C	TITUS	SG-LFF	WHITE ENAMEL	PERFORATED GRILLE WITH 3/16" HOLES, ALL WELDED CONSTRUCTION, COMPLIES WITH NIC GUIDELINES FOR SUICIDE PREVENTION	

ACCEPTABLE ALTERNATE MANUFACTURERS: PRICE, KRUEGER



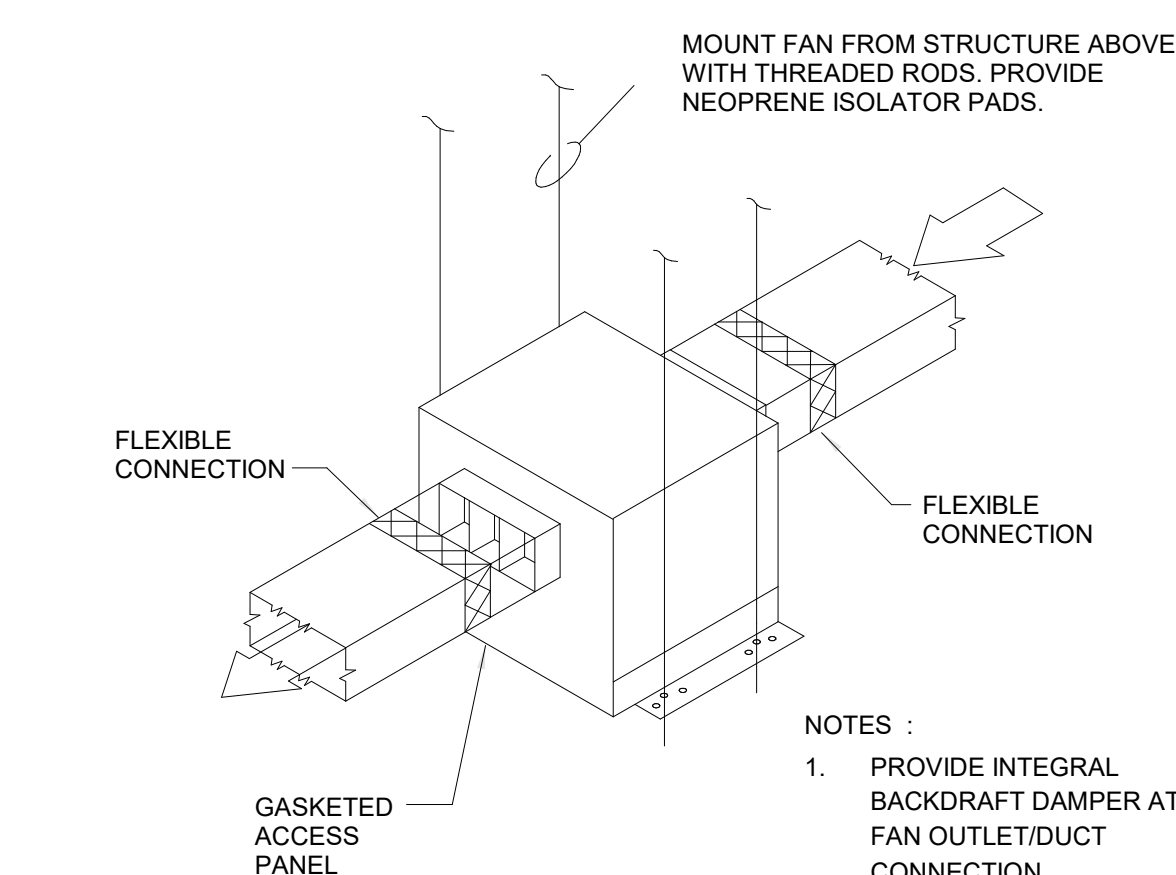
### 3 DIFFUSER FLEXIBLE DUCT CONNECTION

NOT TO SCALE



### 2 FLAT ROOF CAP DETAIL

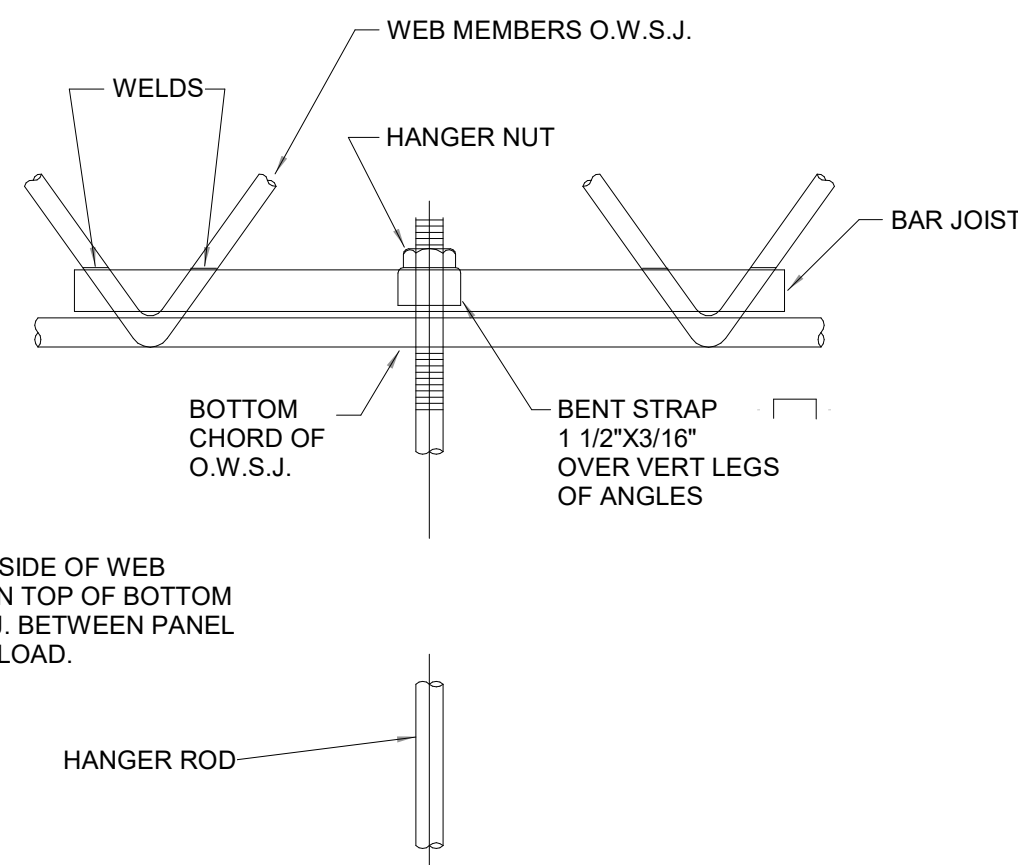
NOT TO SCALE



### 1 INLINE EXHAUST FAN DETAIL

NOT TO SCALE

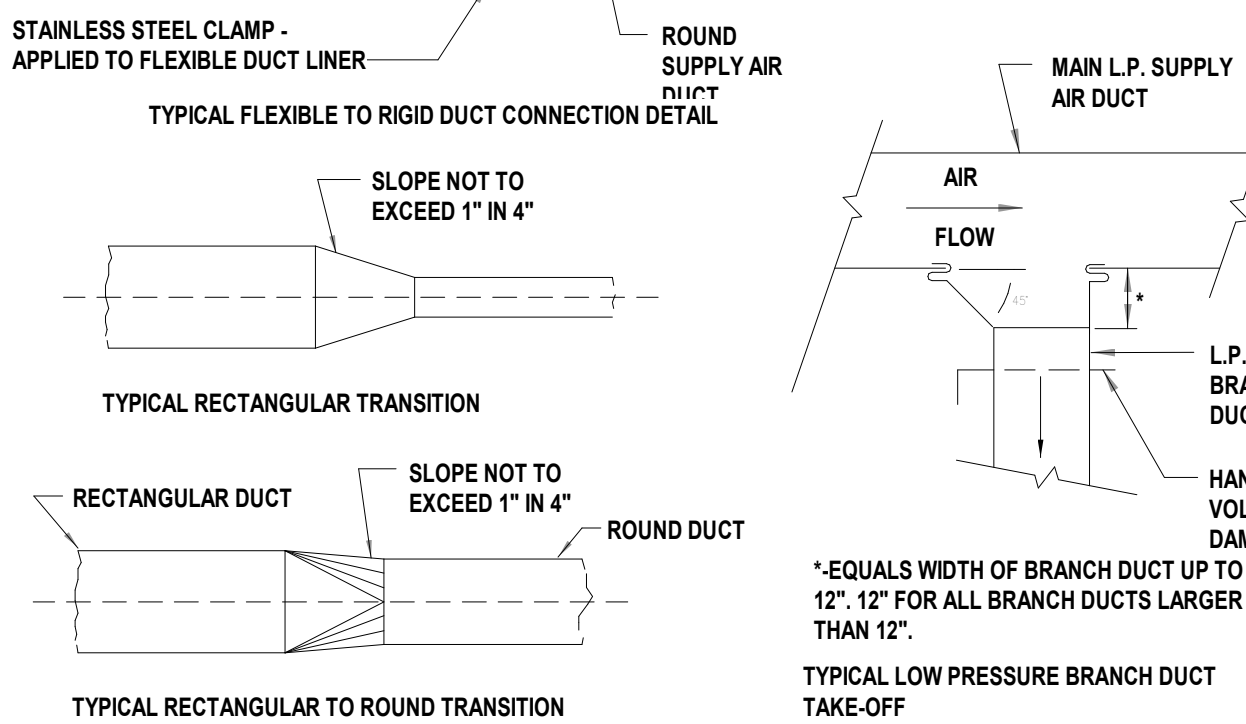
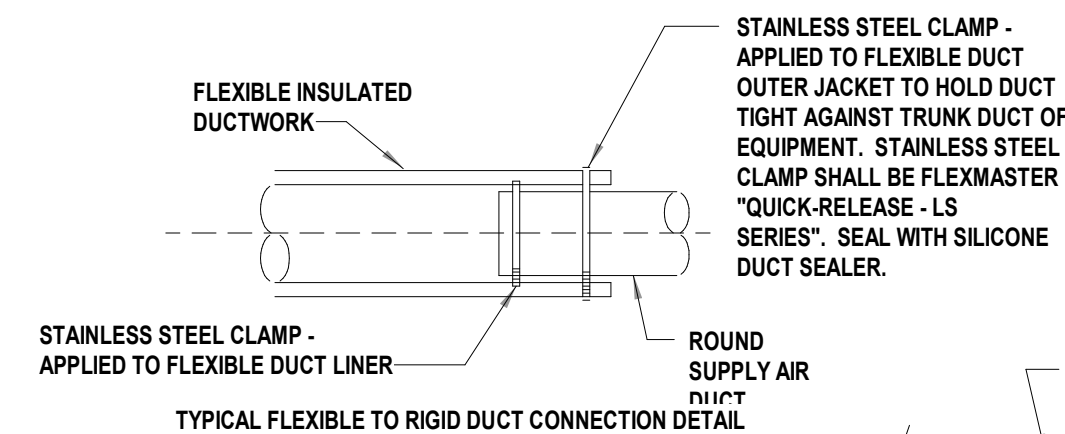
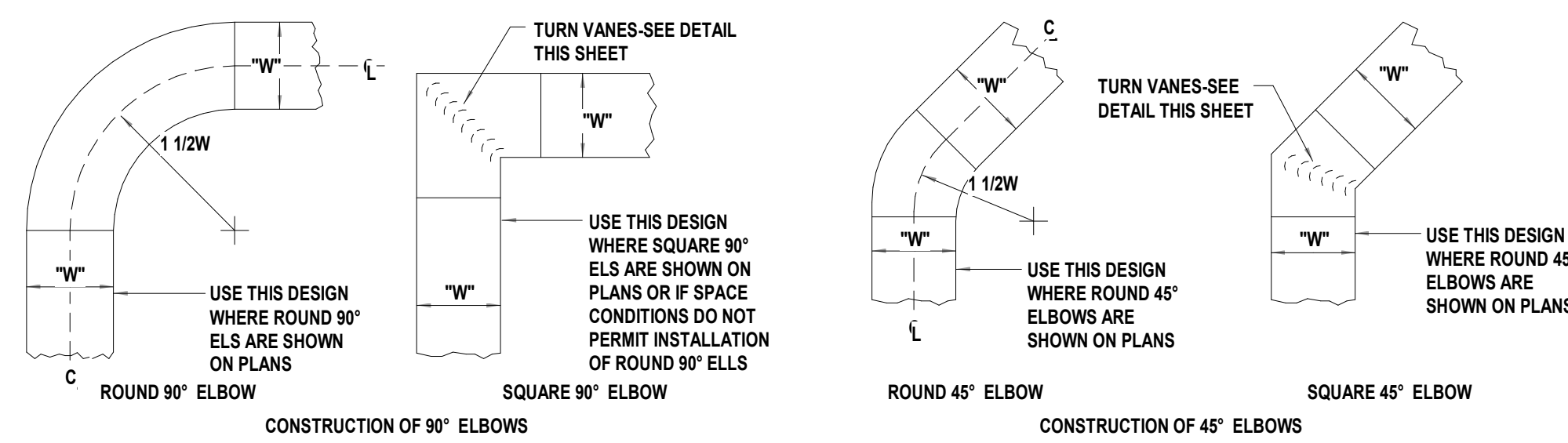
- NOTES:  
 1. PROVIDE INTEGRAL BACKDRAFT DAMPER AT FAN OUTLET/DUCT CONNECTION.



ONE ANGLE EACH SIDE OF WEB MEMBERS REST ON TOP OF BOTTOM CHORD OF O.W.S.J. BETWEEN PANEL POINTS. SIZE FOR LOAD.

### 6 STEEL BAR JOIST SUPPORT

NOT TO SCALE

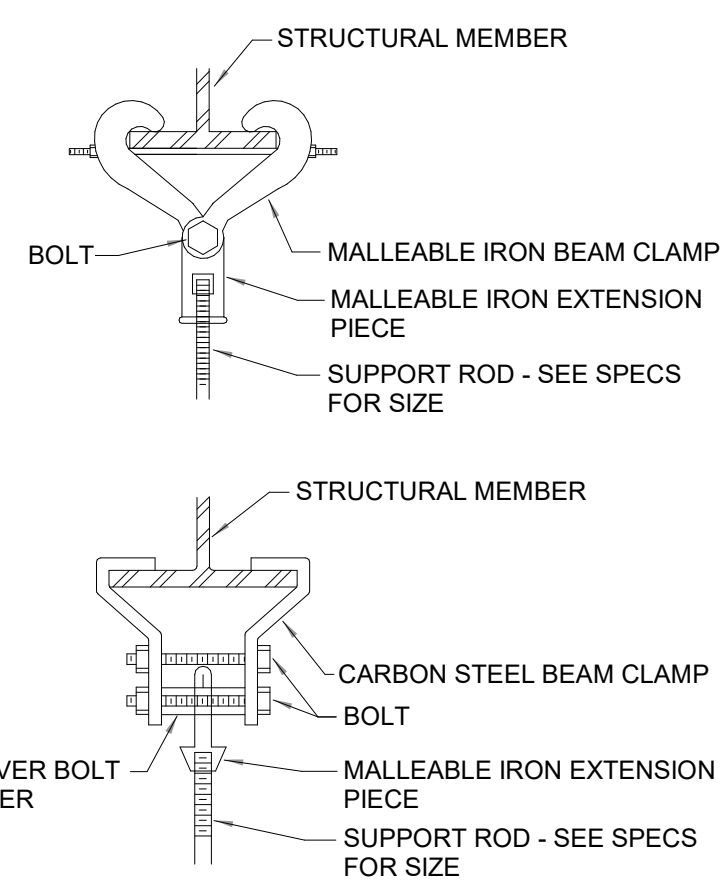


#### INSTALLATION NOTES

- ALL DUCTS SHALL BE CONSTRUCTED AND ERECTED IN A NEAT AND WORKMANLIKE MANNER.
- DUCTS SHALL BE CONSTRUCTED OF THE WEIGHTS, GAGES AND MATERIAL NOTED IN SPECIFICATIONS AND PER SMACNA.
- THE DIMENSION SHOWN FOR ALL DUCTS SHOWN IN PLAN GIVE THE WIDTH FIRST AND THEN THE HEIGHT.
- DUCT RISERS SHOULD BE SUPPORTED BY ANGLES AT EVERY FLOOR.
- DUCTS SHALL BE SECURELY ATTACHED TO THE BUILDING CONSTRUCTION IN AN APPROVED MANNER.
- DIVERGING TRANSITION PIECES SHALL BE MADE AS GRADUAL AS POSSIBLE.
- FLEXIBLE FABRIC CONNECTIONS (OR EQUAL) SHOULD BE USED ON BOTH INLETS AND OUTLETS OF ALL FANS AND AIR HANDLING UNITS.
- JOINTS AND SEAMS OF SUPPLY DUCTS SHALL BE FASTENED SECURELY AND MADE AIR TIGHT.

### 4 LOW VELOCITY DUCT DETAILS

NOT TO SCALE



### 5 BEAM CLAMPS FOR EQUIPMENT OR PIPE SUPPORTS

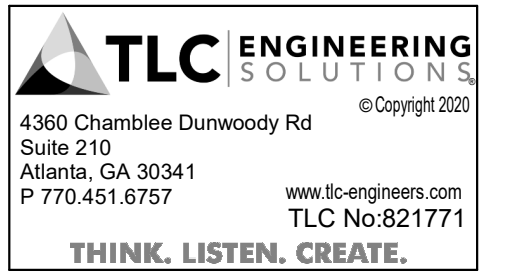
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208 Pirkle Ferry Road, Suite C  
Cumming, GA 30040



7/15/2022



ROCKDALE COUNTY JAIL  
 RENOVATIONS -  
 MENTAL HEALTH WARD  
 ROCKDALE COUNTY  
 911 CHAMBERS DR., NW  
 CONVERS, GA

#### PRINT RECORD

No.	DATE	DESCRIPTION
	5/10/2022	
	7/15/2022	ISSUED FOR PERMIT

Drawn By: WM  
 Checked By: RP  
 Date: 21074  
 Job No.: 21074

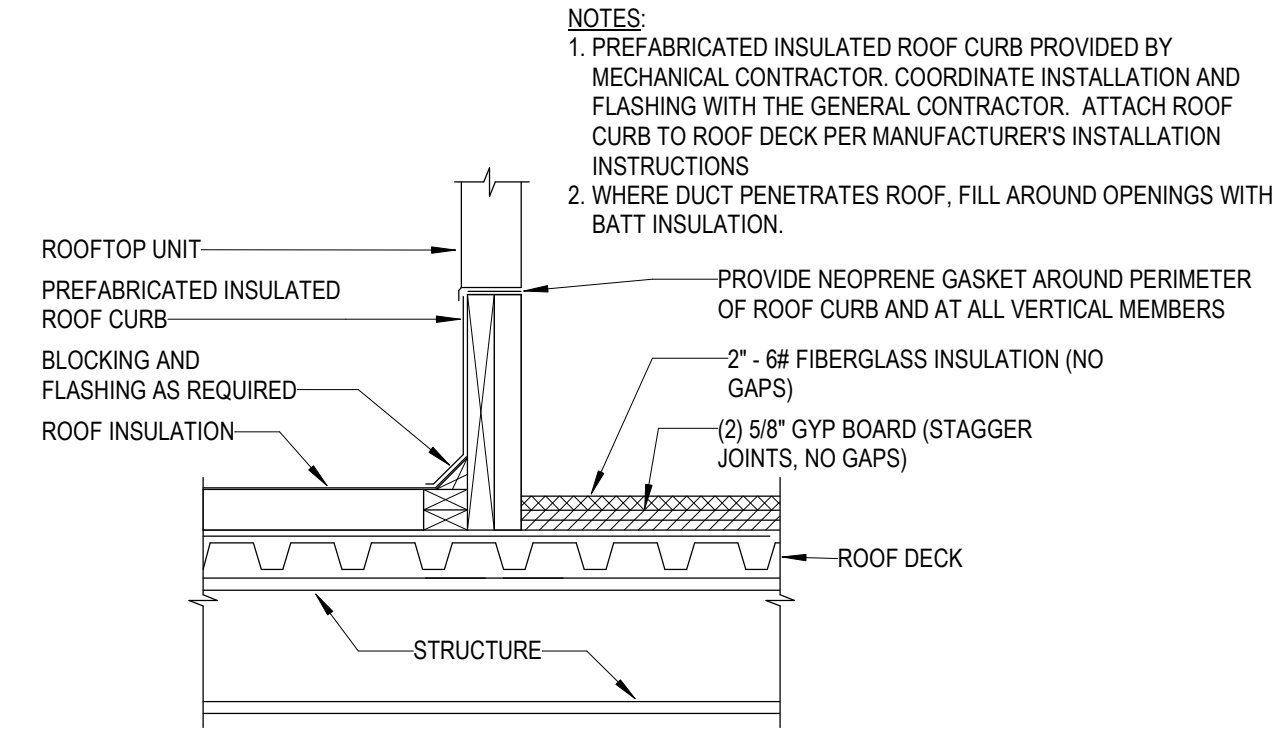
#### Sheet Title

### MECHANICAL SCHEDULES & DETAILS

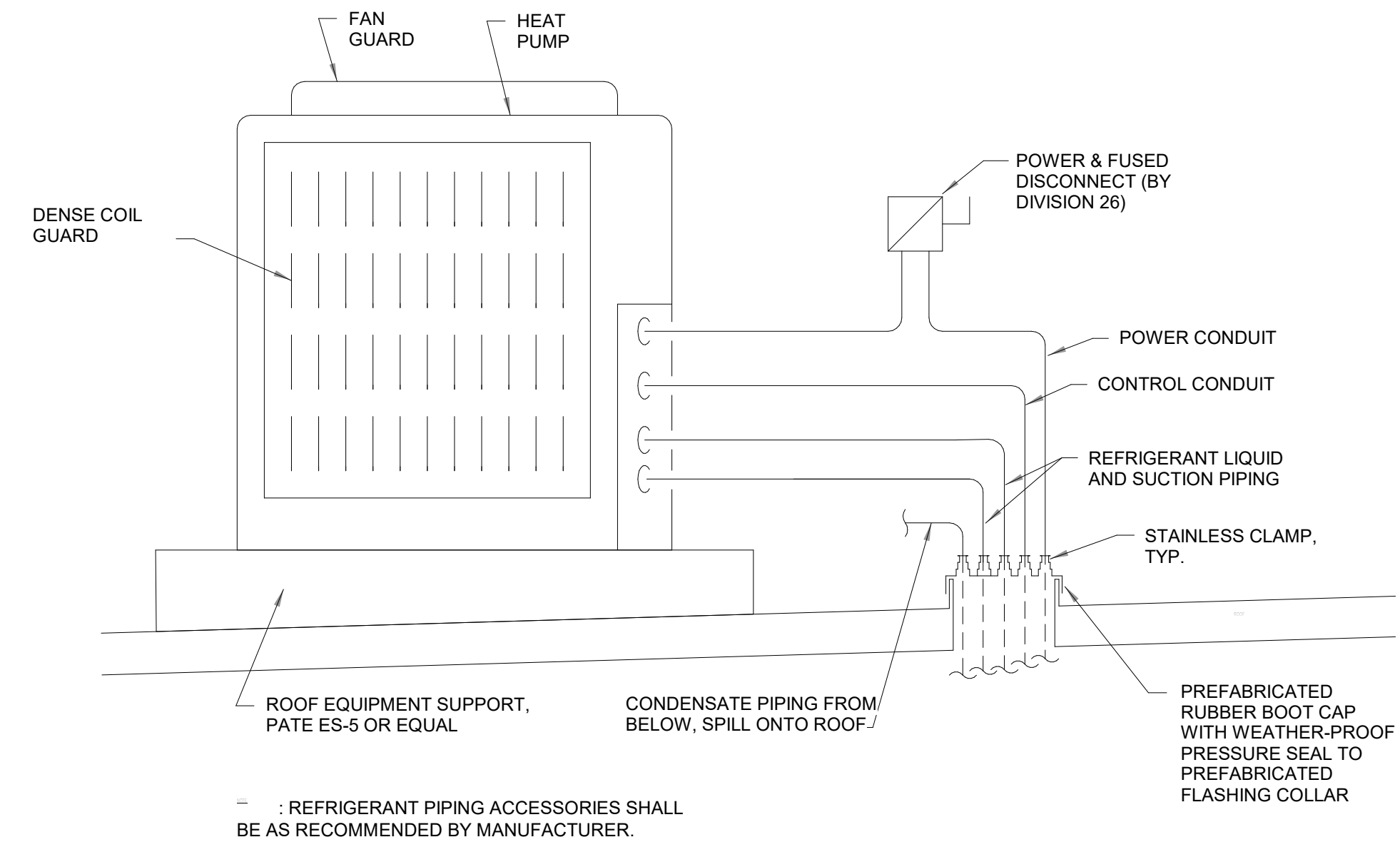
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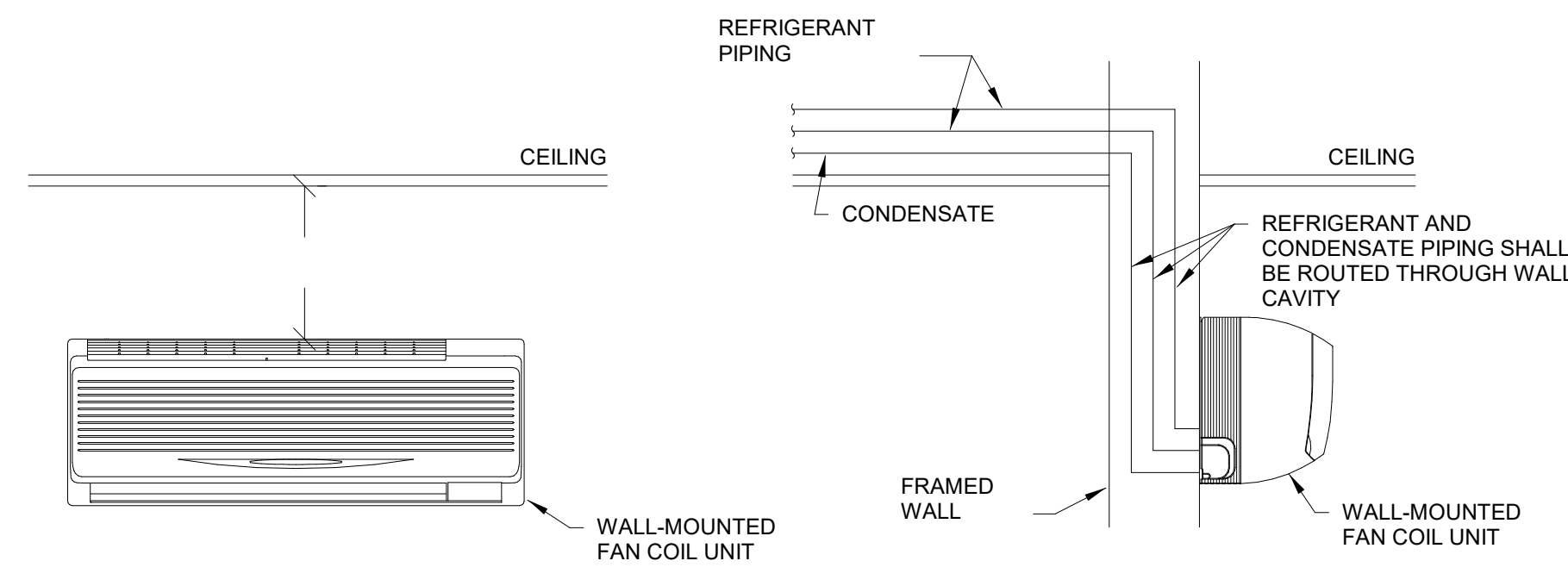
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**5 ROOFTOP UNIT CURB INSTALLATION DETAIL**  
NOT TO SCALE

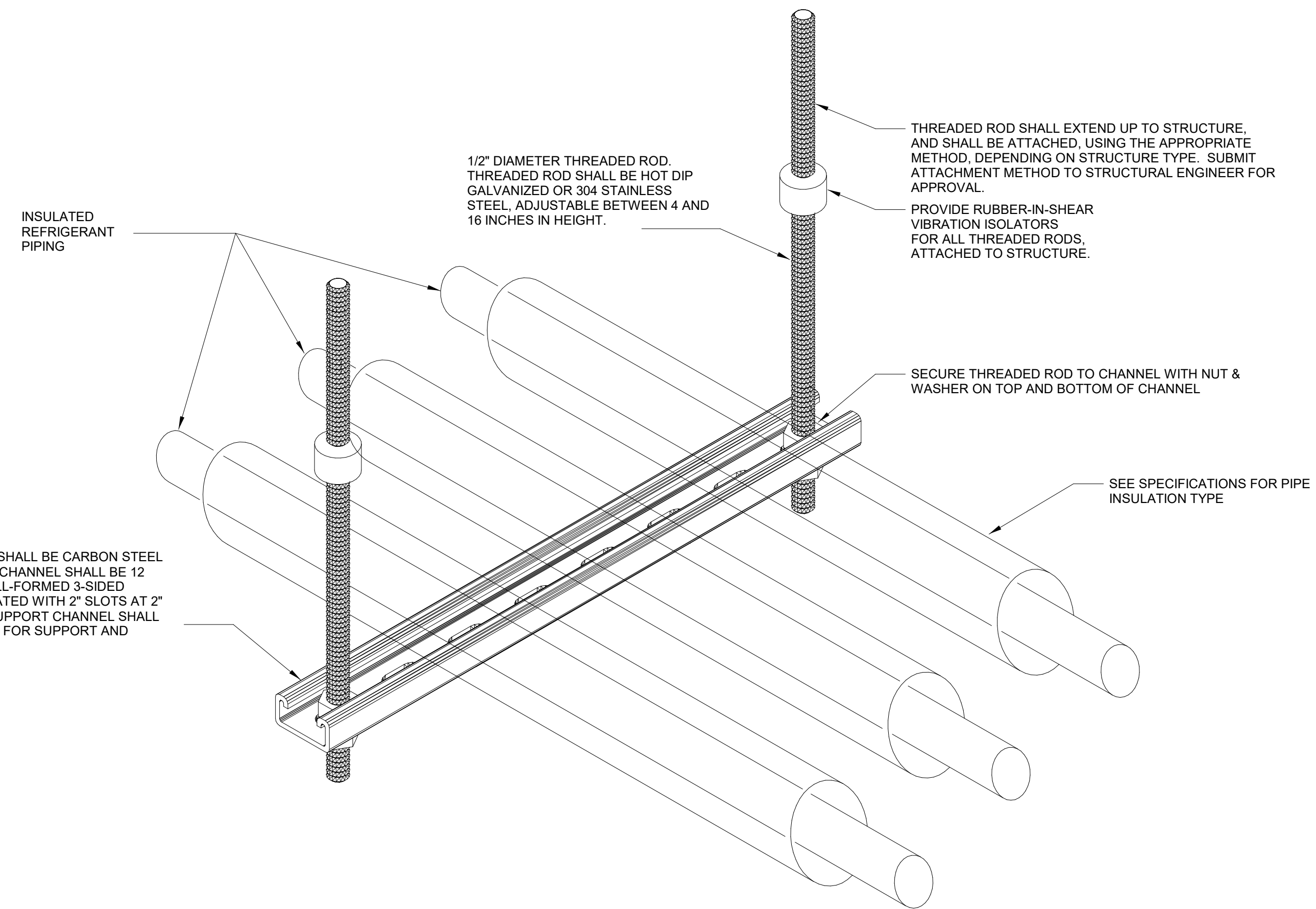


**2 CONDENSING UNIT MOUNTED ON ROOF**  
NOT TO SCALE



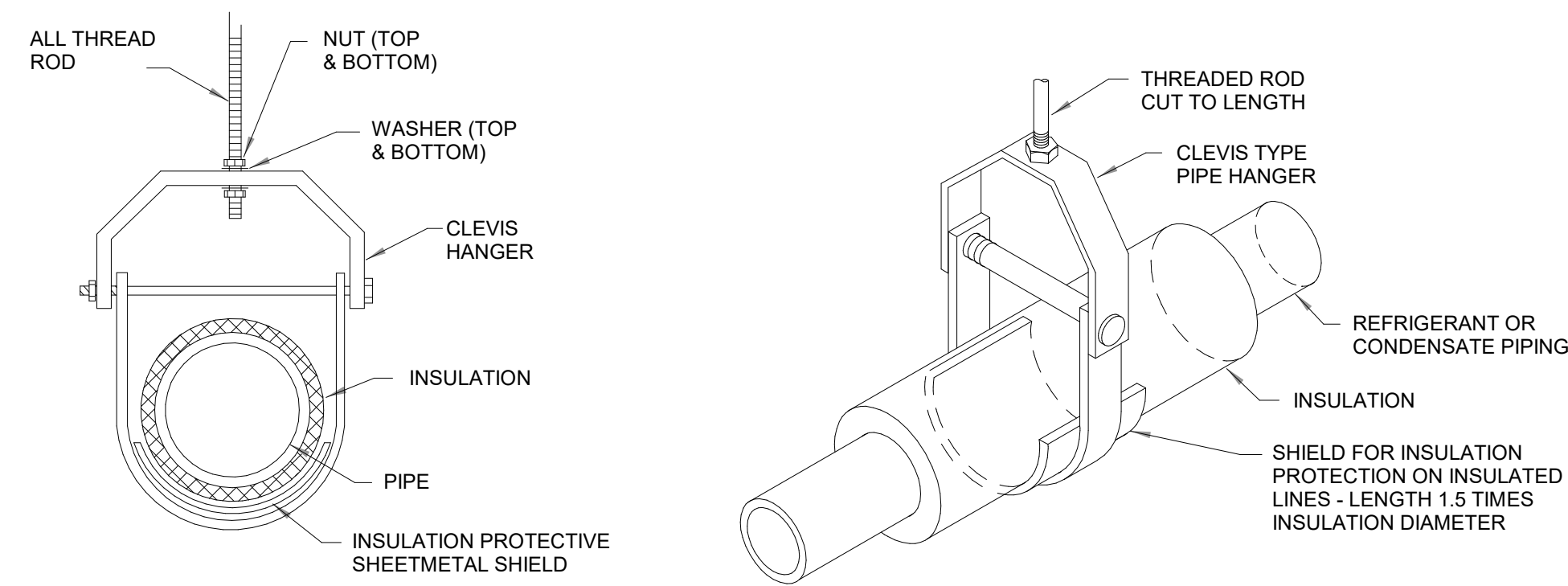
CONDENSATE PUMP SHALL BE PROVIDED BY MANUFACTURER (SHIPPED LOOSE) FOR FIELD INSTALLATION. CONDENSATE PUMP SHALL BE INSTALLED IN PRIMARY CONDENSATE DRAIN PAN WITHIN EQUIPMENT.

**4 COMBINATION FIRE/SMOKE DAMPER INSTALLATION DETAIL**  
NOT TO SCALE



13/16\"/>

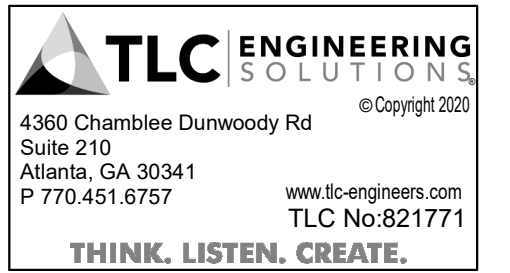
**1 COMBINATION FIRE/SMOKE DAMPER INSTALLATION DETAIL**  
NOT TO SCALE



**3 TYPICAL CLEVIS PIPE HANGER**  
NOT TO SCALE



7/15/2022



**ROCKDALE COUNTY JAIL  
RENOVATIONS -  
MENTAL HEALTH WARD**  
 ROCKDALE COUNTY  
 911 CHAMBERS DR., NW  
 CONVERS, GA

**PRINT RECORD**

No.	DATE	DESCRIPTION
	5/10/2022	
	7/15/2022	ISSUED FOR PERMIT

**Drawn By** WM  
**Checked By** RP  
**Date**  
**Job No.** 21074

**Sheet Title**  
**MECHANICAL  
DETAILS**

Sheet No.

**M-0.03**

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SECTION 230010 - MECHANICAL GENERAL PROVISIONS

PART 1 - GENERAL

- 1. PROJECT DESCRIPTION
A. THIS PROJECT INVOLVES THE INSTALLATION OF WORK WITHIN AN EXISTING BUILDING. THE CONTRACTOR SHALL PROVIDE THE WORK AND MATERIAL REQUIRED FOR A COMPLETE AND OPERABLE MECHANICAL SYSTEM.
2. DESIGN CONDITIONS
A. CONTRACTOR SHALL NOTE THAT THE BUILDING UTILIZES THE SPACE ABOVE THE CEILING AS A RETURN AIR PLENUM. ALL MATERIALS INSTALLED IN THE PLENUM SHALL BE PLENUM RATED.
3. COORDINATION
A. CONTRACTOR SHALL CAREFULLY COORDINATE WORK WITH ALL TRADES THROUGHOUT PROJECT.
B. IN THE EVENT OF A BLATANT OR PERCEIVED DISCREPANCY BETWEEN EQUIPMENT QUANTITIES, SIZES, OR SCOPE DEFINITION WHEN COMPARING SPECIFICATIONS, DRAWINGS, EXISTING CONDITIONS, AND/OR VERBAL COMMUNICATION RECEIVED, CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING.
C. CONTRACTOR SHALL COORDINATE TO ALLOW PROPER ACCESS AROUND ALL NEW EQUIPMENT ALLOWING FOR ADEQUATE CLEARANCE TO ALLOW FOR MANUFACTURER'S RECOMMENDED CLEARANCES AND CODE-REQUIRED CLEARANCES.
4. CODE COMPLIANCE
A. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL LAWS, CODES, ORDINANCES, REGULATIONS, ETC. OF ALL FEDERAL, STATE, AND LOCAL AUTHORITIES HAVING JURISDICTION.
5. FIRE-STOPS
A. A FIRE-STOP SHALL BE PROVIDED WHEREVER DUCTWORK, PIPING, CONDUIT, ETC. PENETRATES FIRE, SMOKE OR COMBINATION FIRE/SMOKE PARTITIONS OR WALLS TO MAINTAIN AN EFFECTIVE FIRE, SMOKE, OR COMBINATION FIRE/SMOKE BARRIER.
6. TESTING, ADJUSTING AND BALANCING
A. TESTING, ADJUSTING AND BALANCING WORK SHALL BE PERFORMED BY A CERTIFIED TESTING AND BALANCING CONTRACTOR.
7. MISCELLANEOUS
A. DO NOT SCALE DRAWINGS FOR EXACT DIMENSIONS. VERIFY ALL FIGURES, CONDITIONS, AND DIMENSIONS AT THE JOB SITE. THE MECHANICAL PLANS ARE INTENDED TO BE DIAGRAMMATIC AND ARE BASED ON ONE MANUFACTURER'S EQUIPMENT. THEY ARE NOT INTENDED TO SHOW EVERY ITEM IN ITS EXACT LOCATION, THE EXACT DIMENSIONS, OR ALL THE DETAILS OF THE EQUIPMENT. THE CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO ENSURE THAT THE EQUIPMENT WILL FIT IN THE AVAILABLE SPACE.

PART 2 - PRODUCTS

- 1. BID BASIS / SUBSTATION PROCEDURES
A. ENCLOSED DOCUMENTS LIST SPECIFIC MANUFACTURERS, MODEL NUMBERS, AND PERFORMANCE REQUIREMENTS FOR THE TYPE OF EQUIPMENT SPECIFIED. EQUIPMENT MUST MEET ALL SPECIFIED REQUIREMENTS. EQUIPMENT MUST BE OF THE SPECIFIED OR LISTED ALTERNATE MANUFACTURERS. ALTERNATE MANUFACTURERS SHALL MATCH SIZE, CAPACITY, AND APPEARANCE OR SPECIFIED EQUIPMENT. PROPOSED SUBSTITUTIONS WHICH REQUIRE A CHANGE IN DIMENSIONS, APPEARANCE, OR DESIGN SHALL BE SUBMITTED IN WRITING FOR APPROVAL. ALTERNATE MANUFACTURERS, OTHER THAN THOSE LISTED, SHALL BE SUBMITTED TO ENGINEER FOR PRIOR APPROVAL.

PART 3 - EXECUTION

- 1. SUBMITTALS
A. CONTRACTOR SHALL PROVIDE MANUFACTURER'S PRODUCT LITERATURE FOR ALL EQUIPMENT AND MATERIAL PROPOSED FOR INSTALLATION. SUBMITTALS SHALL INCLUDE CATALOG INFORMATION, INSTALLATION DRAWINGS, AND PERFORMANCE CRITERIA FOR EACH PIECE OF EQUIPMENT.
B. FOR ANY SUBSTITUTE EQUIPMENT WHICH IS APPROVED FOR INSTALLATION, CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL REQUIREMENTS INCLUDING ELECTRICAL, STRUCTURAL, SPACING, CLEARANCE, ETC. AS REQUIRED.
2. INSTALLATION REQUIREMENTS
A. ALL EQUIPMENT SHALL BE PROVIDED IN STRICT ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS. CONTRACTOR SHALL PROVIDE A COPY OF INSTALLATION, OPERATION, AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT PROVIDED.
C. CONTRACTOR SHALL PROVIDE AND INSTALL ALL REQUIRED MOUNTING HARDWARE, SUPPORT STRUCTURES, PADS, CURBS, ETC. AS REQUIRED.
3. CLEANING, LUBRICATION, AND ADJUSTMENT
A. ALL INSTALLED EQUIPMENT AND COMPONENTS SHALL BE CLEANED AND FREE OF DEBRIS PRIOR TO COMPLETION OF WORK.
B. NEW FILTERS SHALL BE PROVIDED AT THE END OF CONSTRUCTION FOR ALL NEW & EXISTING EQUIPMENT REQUIRING FILTERS.
4. TESTING AND BALANCING
A. HVAC TEST AND BALANCE SHALL BE PERFORMED ON ALL AIRSIDE EQUIPMENT AND SYSTEMS (INCLUDING AIR DISTRIBUTION DEVICES) AFFECTED BY THE WORK TO VERIFY REQUIRED AIRFLOWS. TEST AND BALANCE SHALL BE PERFORMED UNDER THE SUPERVISION OF A CERTIFIED TEST AND BALANCE ENGINEER.
B. CONTRACTOR SHALL PROVIDE TEST AND BALANCE REPORTS NOTING SUPPLY/RETURN AIR TEMPERATURES, AND AIRFLOW READINGS FOR SUPPLY AIR, RETURN AIR, AND OUTSIDE AIR.
5. WARRANTY
A. ALL WORK PERFORMED UNDER THIS SCOPE OF WORK SHALL BE SUBJECT TO A WARRANTY FOR A MINIMUM OF ONE YEAR. THE WARRANTY SHALL INCLUDE ALL REQUIRED PARTS AND LABOR.

END OF SECTION 230010

SECTION 233113 - DUCTWORK

PART 1 - GENERAL

- 1. SUMMARY
A. SECTION INCLUDES:
1. RECTANGULAR DUCTS AND FITTINGS.
2. ROUND DUCTS AND FITTINGS.
3. SHEETMETAL MATERIALS.
4. SEALANTS AND GASKETS.
5. HANGERS AND SUPPORTS.
2. SUBMITTALS
A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED.

PART 2 - PRODUCTS

- 1. PRESSURE CLASSIFICATIONS
A. DUCTWORK SHALL BE CONSTRUCTED AND REINFORCED FOR 2 IN. W.G. STATIC PRESSURE AND LOWER. THIS DUCTWORK SHALL BE CONSIDERED "LOW PRESSURE".
2. RECTANGULAR AND ROUND DUCTS AND FITTINGS
A. GENERAL FABRICATION REQUIREMENTS: COMPLY WITH SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE," INCLUDING CHAPTER 3 "ROUND, OVAL AND FLEXIBLE DUCT."
B. ROUND SNAP-LOCK DUCTWORK IS NOT ACCEPTABLE FOR ROUND DUCTWORK INSTALLATIONS. DUCTWORK CONSTRUCTION SHALL ALSO COMPLY WITH THE REQUIREMENTS OF NFPA 90A, SPIRAL SEAM ROUND DUCTWORK, SATISFYING THE APPLICABLE PRESSURE REQUIREMENTS, SHALL BE INSTALLED, WHERE RIGID SHEETMETAL ROUND DUCTWORK IS INDICATED.
3. SHEETMETAL MATERIALS
A. GENERAL MATERIAL REQUIREMENTS: COMPLY WITH SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE" FOR ACCEPTABLE MATERIALS, MATERIAL THICKNESSES, AND DUCT CONSTRUCTION METHODS UNLESS OTHERWISE INDICATED. SHEETMETAL MATERIALS SHALL BE FREE OF PITTING, SEAM MARKS, ROLLER MARKS, STAINS, DISCOLORATIONS, AND OTHER IMPERFECTIONS.
B. SHEETMETAL DUCTWORK SHALL COMPLY WITH ASTM A 653 / A 653M, AND SHALL BE CONSTRUCTED WITH G90 HOT-DIPPED GALVANIZED STEEL.
4. DUCTWORK SEALANTS AND GASKETS
A. GENERAL SEALANT AND GASKET REQUIREMENTS: SURFACE-BURNING CHARACTERISTICS FOR SEALANTS AND GASKETS SHALL BE A MAXIMUM FLAME-SPREAD INDEX OF 25 AND A MAXIMUM SMOKE-DEVELOPED INDEX OF 50 WHEN TESTED ACCORDING TO UL 723; CERTIFIED BY AN NRTL.
5. FLEXIBLE CONNECTORS
A. FLEXIBLE DUCTWORK CONNECTORS SHALL GLASS FABRIC, DOUBLE COATED WITH NEOPRENE.
1. BASE FABRIC: GLASS CLOTH.
2. COLOR: BLACK.
3. MINIMUM DENSITY: 28 OUNCES PER SQUARE YARD.
4. TENSILE STRENGTH:
• 475 LBS. IN THE WARP.
• 375 LBS. IN THE FILLING.
5. TEARING STRENGTH:
• 25 LBS. IN THE WARP.
• 20 LBS. IN THE FILLING.
6. TEMPERATURE RANGE: -40 DEG F TO 200 DEG F.
7. FLEXIBLE CONNECTORS SHALL BE MILDEW RESISTANT PER ASTM G-21.
8. FLEXIBLE CONNECTORS SHALL MEET NFPA 701.

PART 3 - EXECUTION

- 1. DUCT INSTALLATION
A. DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF DUCT SYSTEM, INDICATED DUCT LOCATIONS, CONFIGURATIONS, AND ARRANGEMENTS WERE USED TO SIZE DUCTS AND CALCULATE FRICTION LOSS FOR AIR-HANDLING EQUIPMENT SIZING AND FOR OTHER DESIGN CONSIDERATIONS. INSTALL DUCT SYSTEMS AS INDICATED UNLESS DEVIATIONS TO LAYOUT ARE APPROVED ON COORDINATION DRAWINGS.
B. INSTALL DUCTS ACCORDING TO SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE" UNLESS OTHERWISE INDICATED.
C. DUCTWORK SHALL BE INSTALLED VERTICALLY OR HORIZONTALLY, PARALLEL AND PERPENDICULAR TO BUILDING STRUCTURE.
D. ALL DUCTWORK SHALL BE INSTALLED WITH A MINIMUM OF 1 INCH CLEARANCE, PLUS ALLOWANCE FOR INSULATION THICKNESS. PROVIDE SHEETMETAL FLANGES WHERE DUCTWORK PASSES THROUGH UN-RATED INTERIOR PARTITIONS OR WALLS.
F. WHERE VISIBLE THROUGH AIR DISTRIBUTION DEVICES, DUCTWORK SHALL BE PAINTED FLAT BLACK.
G. CONTRACTOR SHALL PROVIDE AND INSTALL APPROVED FIRE, SMOKE AND COMBINATION FIRE/SMOKE DAMPERS AND ACCESS PANELS IN ANY AND ALL DUCTWORK WHICH PENETRATES A VERTICAL FIRE PARTITION, OR AS OTHERWISE SHOWN ON THE DRAWINGS.
H. ALL BRANCH DUCTS TO HAVE VOLUME DAMPERS.
I. SMOOTH TURN RADIUS DUCTWORK OR TURNING VANS SHALL BE USED THROUGHOUT WHERE FLOW EXCEEDS 150 CFM.

END OF SECTION 233113

SECTION 233400 - FANS

PART 1 - GENERAL

- 1. SUMMARY
A. SECTION INCLUDES:
1. CENTRIFUGAL SQUARE INLINE FANS.
2. SUBMITTALS
A. PROVIDE PRODUCT DATA FOR EACH FAN SPECIFIED AND SCHEDULED.
1. INCLUDE RATED CAPACITIES, FURNISHED SPECIALTIES, AND ACCESSORIES FOR EACH FAN.
2. CERTIFIED FAN PERFORMANCE CURVES WITH SYSTEM OPERATING CONDITIONS INDICATED.
3. CERTIFIED FAN SOUND-POWER RATINGS.
4. MOTOR RATINGS AND ELECTRICAL CHARACTERISTICS, PLUS MOTOR AND ELECTRICAL ACCESSORIES.
5. MATERIAL THICKNESS AND FINISHES, INCLUDING COLOR CHARTS.
6. DAMPERS, INCLUDING HOUSINGS, LINKAGES AND OPERATORS.
7. FAN SPEED CONTROLLERS
B. SHOP DRAWINGS
1. INCLUDE PLANS, ELEVATIONS, SECTIONS AND ATTACHMENT DETAILS.
2. INCLUDE DETAILS OF EQUIPMENT ASSEMBLIES. INDICATE DIMENSIONS, WEIGHTS, LOADS, REQUIRED CLEARANCES, METHOD OF FIELD ASSEMBLY, COMPONENTS, AND LOCATION AND SIZE OF EACH FIELD CONNECTION.
3. INCLUDE DIAGRAMS FOR POWER, SIGNAL, AND CONTROL WIRING.
4. METAL AND FLEXIBLE RATINGS AND ELECTRICAL CHARACTERISTICS, PLUS MOTOR AND ELECTRICAL ACCESSORIES.

PART 2 - PRODUCTS

- 1. CENTRIFUGAL SQUARE INLINE FANS
A. ACCEPTABLE MANUFACTURERS
1. GREENHECK
2. LOREN COOK CO.
3. PENNBARRY.
B. FAN WHEELS
1. NON-OVERLOADING, BACKWARD INCLINED CENTRIFUGAL WHEEL.
2. ALUMINUM CONSTRUCTION
3. STATICALLY AND DYNAMICALLY BALANCED IN ACCORDANCE WITH AMCA STANDARD 204-05.
4. THE WHEEL CONE AND FAN INLET WILL BE MATCHED AND SHALL HAVE PRECISE RUNNING TOLERANCES FOR MAXIMUM PERFORMANCE AND OPERATING EFFICIENCY.
5. SINGLE THICKNESS BLADES ARE SECURELY RIVETED OR WELDED TO A HEAVY GAUGE BACK PLATE AND WHEEL CONE.
C. MOTORS
1. ELECTRONICALLY COMMUNICATED MOTORS
a. MOTOR ENCLOSURE: OPEN TYPE.
b. MOTOR TO BE A DC ELECTRONIC COMMUTATION MOTOR (ECM) SPECIFICALLY DESIGNED FOR FAN APPLICATIONS. AC INDUCTION TYPE MOTORS ARE NOT ACCEPTABLE.
c. MOTOR SHALL BE PERMANENTLY LUBRICATED, HEAVY DUTY BALL BEARING TYPE TO MATCH WITH THE FAN LOAD AND PRE-WIRED TO THE SPECIFIC VOLTAGE AND PHASE.
d. INTERNAL MOTOR CIRCUITRY TO CONVERT AC POWER, SUPPLIED TO THE FAN, TO DC POWER TO OPERATE THE MOTOR.
e. MOTOR SHALL BE SPEED CONTROLLABLE DOWN TO 20% OF FULL SPEED (80% TURNDOWN). SPEED SHALL BE CONTROLLED BY EITHER A POTENTIOMETER DIAL MOUNTED AT THE MOTOR, OR BY A 0-10 VDC SIGNAL.
D. HOUSING/CABINET CONSTRUCTION
1. CONSTRUCTION MATERIAL SHALL BE GALVANIZED.
2. SHALL BE SQUARE DESIGN, CONSTRUCTED OF HEAVY GAUGE GALVANIZED STEEL AND SHALL INCLUDE SQUARE DUCT MOUNTING COLLARS.
3. HOUSING AND BEARING SUPPORTS SHALL BE CONSTRUCTED OF HEAVY GAUGE BOLTED AND WELDED STEEL CONSTRUCTION TO PREVENT VIBRATION AND TO RIGIDLY SUPPORT THE SHAFT AND BEARING ASSEMBLY.
E. HOUSING SUPPORTS AND DRIVE FRAME
1. HOUSING SUPPORTS SHALL BE CONSTRUCTED OF STRUCTURAL STEEL WITH FORMED FLANGES.
2. DRIVE FRAME SHALL BE WELDED STEEL, WHICH SUPPORTS THE MOTOR.
F. DISCONNECT SWITCHES SHALL BE NEMA 1, WITH POSITIVE ELECTRICAL SHUT-OFF, WIRED FROM FAN MOTOR TO JUNCTION BOX.
G. ACCESS PANEL(S)
1. ACCESS PANELS SHALL PERMIT EASY ACCESS TO ALL INTERNAL COMPONENTS, AND SHALL BE LOCATED PERPENDICULAR TO THE MOTOR MOUNTING PANEL.

PART 3 - EXECUTION

- A. INSTALLATION SHALL COMPLY WITH MANUFACTURER'S RECOMMENDED INSTALLATION INSTRUCTIONS, AND SHALL BE INSTALLED LEVEL.

END OF SECTION 233400

SECTION 233713 - DIFFUSERS, REGISTERS, AND GRILLES

PART 1 - GENERAL

- 1. SUMMARY
A. SECTION INCLUDES:
1. AIR DISTRIBUTION DEVICES.
2. SUBMITTALS
A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED, INCLUDE THE FOLLOWING:
1. DATA SHEET: INDICATE MATERIALS OF CONSTRUCTION, FINISH, AND MOUNTING DETAILS; AND PERFORMANCE DATA INCLUDING THROW AND DROP, STATIC-PRESSURE DROP, AND NOISE RATINGS.
2. DIFFUSER, REGISTER, AND GRILLE SCHEDULE: INDICATE DRAWING DESIGNATION, ROOM LOCATION, QUANTITY, MODEL NUMBER, SIZE, AND ACCESSORIES FURNISHED.
3. ALL AIR DISTRIBUTION DEVICES SHALL BE PROVIDED BY A SINGLE MANUFACTURER.
3. QUALITY ASSURANCE
A. ALL AIR DISTRIBUTION DEVICES SHALL BE COMMERCIAL IN NATURE. RESIDENTIAL STYLE AIR DISTRIBUTION DEVICES ARE NOT ACCEPTABLE, AND WILL BE REJECTED DURING THE SUBMITTAL REVIEW PROCESS.

PART 2 - PRODUCTS

- 1. ACCEPTABLE MANUFACTURERS
A. KRUEGER.
B. PRICE INDUSTRIES.
C. TITUS.
2. SELECTION CRITERIA
A. ALL AIR DISTRIBUTION DEVICES SHALL BE SELECTED IN ACCORDANCE WITH THE METHOD OF MOUNTING, CEILING FINISH, AND COLOR. THE MOUNTING METHOD SHALL BE COMPATIBLE WITH THE CEILING, WALL OR DUCT SURFACE IN WHICH IT MOUNTS. REFER TO THE ARCHITECTURAL DRAWINGS TO DETERMINE THE MOUNTING METHOD FOR EACH DEVICE. FINAL COLOR SELECTION SHALL BE BY ARCHITECT, UNLESS NOTED OTHERWISE ON THE PLANS.
B. DIFFUSERS, REGISTERS AND GRILLES SHALL BE PROVIDED TO MATCH THE SIZE, TYPE AND PERFORMANCE, AS INDICATED ON MECHANICAL SCHEDULES AND PLANS. EACH DEVICE SHALL BE PROVIDED WITH THE INDICATED ACCESSORIES.

PART 3 - EXECUTION

- A. AFTER INSTALLATION, ADJUST DIFFUSERS, REGISTERS, AND GRILLES TO AIR PATTERNS INDICATED, OR AS DIRECTED, BEFORE STARTING AIR BALANCING.

END OF SECTION 233713

SECTION 233713 - DIFFUSERS, REGISTERS, AND GRILLES

PART 1 - GENERAL

- 1. SUMMARY
A. SECTION INCLUDES:
1. AIR DISTRIBUTION DEVICES.
2. SUBMITTALS
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2. DIFFUSER, REGISTER, AND GRILLE SCHEDULE: INDICATE DRAWING DESIGNATION, ROOM LOCATION, QUANTITY, MODEL NUMBER, SIZE, AND ACCESSORIES FURNISHED.
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C. TITUS.
2. SELECTION CRITERIA
A. ALL AIR DISTRIBUTION DEVICES SHALL BE SELECTED IN ACCORDANCE WITH THE METHOD OF MOUNTING, CEILING FINISH, AND COLOR. THE MOUNTING METHOD SHALL BE COMPATIBLE WITH THE CEILING, WALL OR DUCT SURFACE IN WHICH IT MOUNTS. REFER TO THE ARCHITECTURAL DRAWINGS TO DETERMINE THE MOUNTING METHOD FOR EACH DEVICE. FINAL COLOR SELECTION SHALL BE BY ARCHITECT, UNLESS NOTED OTHERWISE ON THE PLANS.
B. DIFFUSERS, REGISTERS AND GRILLES SHALL BE PROVIDED TO MATCH THE SIZE, TYPE AND PERFORMANCE, AS INDICATED ON MECHANICAL SCHEDULES AND PLANS. EACH DEVICE SHALL BE PROVIDED WITH THE INDICATED ACCESSORIES.

PART 3 - EXECUTION

- 1. EXAMINATION
A. EXAMINE AREAS WHERE DIFFUSERS, REGISTERS, AND GRILLES ARE TO BE INSTALLED FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE OF EQUIPMENT.
B. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
2. INSTALLATION
A. INSTALL DIFFUSERS, REGISTERS, AND GRILLES LEVEL AND PLUMB, AND IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
B. CEILING-MOUNTED OUTLETS AND INLETS: DRAWINGS INDICATE GENERAL ARRANGEMENT OF DUCTS, FITTINGS, AND ACCESSORIES. AIR OUTLET AND INLET LOCATIONS HAVE BEEN INDICATED TO ACHIEVE DESIGN REQUIREMENTS FOR AIR VOLUME, NOISE CRITERIA, AIRFLOW PATTERN, THROW, AND PRESSURE DROP. MAKE FINAL LOCATIONS WHERE INDICATED, AS MUCH AS PRACTICAL, WHERE ARCHITECTURAL FEATURES OR OTHER ITEMS CONFLICT WITH INSTALLATION, NOTIFY ARCHITECT FOR A DETERMINATION OF FINAL LOCATION.
C. INSTALL DIFFUSERS, REGISTERS, AND GRILLES WITH AIRTIGHT CONNECTIONS TO DUCTS AND TO ALLOW SERVICE AND MAINTENANCE OF DAMPERS AND OTHER AIR DUCT ACCESSORIES.
3. ADJUSTING:
A. AFTER INSTALLATION, ADJUST DIFFUSERS, REGISTERS, AND GRILLES TO AIR PATTERNS INDICATED, OR AS DIRECTED, BEFORE STARTING AIR BALANCING.

END OF SECTION 233713



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ROCKDALE COUNTY JAIL RENOVATIONS - MENTAL HEALTH WARD, ROCKDALE COUNTY, 911 CHAMBERS DR., NW CONNERS, GA

PRINT RECORD

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Sheet Title: MECHANICAL SPECS

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SECTION 230713 - INSULATION

- PART 1 - GENERAL
1.1 SUMMARY
A. SECTION INCLUDES INSULATING MATERIALS FOR PIPING AND DUCTWORK REQUIRED FOR THE WORK.
PART 2 - PRODUCTS
2.1 INSULATION GENERAL:
A. DUCTWORK, PIPING, VALVES AND FITTINGS SHALL BE INSULATED IN ACCORDANCE WITH DRAWINGS AND THESE SPECIFICATIONS.
2.2 FLEXIBLE GLASS FIBER
A. MANUFACTURERS: CERTAINTED, KNAUF, OWENS CORNING OR JOHNS MANVILLE.
B. MATERIAL: INORGANIC GLASS FIBERS, BONDED WITH A THERMOSETTING RESIN.
C. JACKET: AS SPECIFIED FOR TYPES OF INSULATION.
D. BLANKET: ASTM C 533, TYPE II, CLASS F-1, JACKETED FLEXIBLE BLANKETS.
E. ADHESIVE: PRODUCED UNDER THE UL CLASSIFICATION AND FOLLOW-UP SERVICE.
2.3 FLEXIBLE ELASTOMERIC CELLULAR
A. MATERIAL FLEXIBLE EXPANDED CLOSED-CELL STRUCTURE WITH SMOOTH SKIN ON BOTH SIDES.
B. INSULATION SHALL BE UL 181 COMPLIANT, AND MEET ASTM G21 AND G22 FOR FUNGI AND BACTERIAL RESISTANCE.
C. THERMAL CONDUCTIVITY: 0.27 MAXIMUM AT 75°F.
D. DENSITY: 3.0 LBS. PER CUBIC FOOT.
E. WATER TRANSMISSION: NOT TO EXCEED 0.08 PERM-INCHES.
F. WHEN TESTED IN ACCORDANCE WITH ASTM E84:
G. MOISTURE ABSORPTION: NOT TO EXCEED 0.2% BY VOLUME, WHEN TESTED IN ACCORDANCE WITH ASTM C-240-01.
2.5 ADHESIVES
A. MATERIALS SHALL BE COMPATIBLE WITH INSULATION MATERIALS, JACKETS, AND SUBSTRATES AND FOR BONDING INSULATION TO ITSELF AND TO SURFACES TO BE INSULATED UNLESS OTHERWISE INDICATED.
B. CELLULAR GLASS ADHESIVE: TWO-COMPONENT, THERMOSETTING URETHANE ADHESIVE CONTAINING NO FLAMMABLE SOLVENTS, WITH A SERVICE TEMPERATURE RANGE OF MINUS 100 TO 200°F.
C. ELASTOMERIC INSULATION ADHESIVE:
2.6 MASTICS
A. MASTICS SHALL BE COMPATIBLE WITH INSULATION MATERIALS, JACKETS AND SUBSTRATES, COMPLY WITH MIL-PRF-19565C, TYPE II.
B. VAPOR-BARRIER MASTIC: WATER-BASED; SUITABLE FOR INDOOR USE ON BELOW-AMBIENT SERVICES.

SECTION 230713 - INSULATION (CONTD)

- 2.7 SEALANTS
A. MATERIALS SHALL BE COMPATIBLE WITH INSULATION MATERIALS, JACKETS, AND SUBSTRATES AND FOR BONDING INSULATION TO ITSELF AND TO SURFACES TO BE INSULATED UNLESS OTHERWISE INDICATED.
B. JOINT SEALANTS:
1. JOINT SEALANTS FOR CELLULAR-GLASS PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, AVAILABLE PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
C. METAL JACKET FLASHING SEALANTS:
2.8 FIELD-APPLIED JACKETS
A. ALUMINUM JACKET: ASTM B209, 3003 ALLOY, H-14 TEMPERED, ROLL STOCK READY FOR SHOP OR FIELD CUTTING.
2.9 SECUREMENTS
A. ALUMINUM BANDS: ASTM B 209, ALLOY 3003, 3005, 3105, OR 5005; TEMPER H-14, 0.020 INCH THICK, 3/4 INCH WIDE WITH WING SEAL OR CLOSED SEAL.
THE
A. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, AVAILABLE PRODUCTS THAT MAY BE INCORPORATED INTO WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
PART 3 - EXECUTION
3.1 PREPARATION
A. SURFACE PREPARATION: CLEAN AND DRY SURFACES TO RECEIVE INSULATION. REMOVE MATERIALS THAT WILL ADVERSELY AFFECT INSULATION APPLICATION.
3.2 GENERAL INSTALLATION REQUIREMENTS
A. INSTALL INSULATION MATERIALS, ACCESSORIES, AND FINISHES WITH SMOOTH, STRAIGHT, AND EVEN SURFACES FREE OF VOIDS THROUGHOUT THE LENGTH OF DUCTS AND FITTINGS.
B. INSTALL INSULATION MATERIALS, VAPOR BARRIERS OR RETARDERS, JACKETS, AND THICKNESSES REQUIRED FOR EACH ITEM OF DUCT SYSTEM AS SPECIFIED IN INSULATION SYSTEM SCHEDULES.
C. INSTALL ACCESSORIES COMPATIBLE WITH INSULATION MATERIALS AND SUITABLE FOR THE SERVICE. INSTALL ACCESSORIES THAT DO NOT CORRODE, SOFTEN, OR OTHERWISE ATTACK INSULATION OR JACKET IN EITHER WET OR DRY STATE.
D. KEEP INSULATION MATERIALS DRY DURING APPLICATION AND FINISHING.
E. INSTALL INSULATION WITH LEAST NUMBER OF JOINTS PRACTICAL.
F. APPLY ADHESIVES, MASTICS, AND SEALANTS AT MANUFACTURER'S RECOMMENDED COVERAGE RATE AND WET AND DRY FILM THICKNESSES.
G. FINISH INSTALLATION WITH SYSTEMS AT OPERATING CONDITIONS. REPAIR JOINT SEPARATIONS AND CRACKING DUE TO THERMAL MOVEMENT.
H. CELLULAR GLASS INSULATION INSTALLATION:
1. INSTALL INSULATION WITH LONGITUDINAL SEAMS AT TOP AND BOTTOM OF HORIZONTAL RUNS.
2. INSTALL INSULATION WITH TIGHT LONGITUDINAL SEAMS AND END JOINTS. BOND SEAMS AND JOINTS WITH ADHESIVE RECOMMENDED BY INSULATION MATERIAL MANUFACTURER.
3. INSULATION INSTALLATION ON STRAIGHT PIPES AND TUBES:
4. INSULATION INSTALLATION ON PIPE FITTINGS AND ELBOWS:
A. INSTALL PREFORMED SECTIONS OF SAME MATERIAL AS STRAIGHT SEGMENTS OF PIPE INSULATION WHEN AVAILABLE. SECURE ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.
B. WHEN PREFORMED SECTIONS OF INSULATION ARE NOT AVAILABLE, INSTALL MITERED SECTIONS OF CELLULAR-GLASS INSULATION. SECURE INSULATION MATERIALS WITH WIRE OR BANDS.

SECTION 230713 - INSULATION (CONTD)

- I. FLEXIBLE GLASS FIBER INSULATION INSTALLATION:
1. BLANKET INSULATION SHALL BE INSTALLED WITH NOT LESS THAN ONE INCH OF INSULATION CUT BACK FROM THE EDGE OF THE VAPOR BARRIER. VAPOR BARRIER AT EACH AND EVERY ABUTTING JOINT. OVERLAPS SHALL BE SEALED WITH ADHESIVE. IN ADDITION, ALL JOINTS IN THE VAPOR BARRIER, SUCH AS AT HANGERS AND SUPPORTS, SHALL BE SEALED WITH ALUMINUM FOIL TAPE.
2. ALL BLANKET INSULATION SHALL BE HELD IN PLACE WITH ADHESIVE, THREE INCHES WIDE AT NOT OVER 12-INCH INTERVALS.
J. ELASTOMERIC TUBE INSULATION INSTALLATION:
1. ELBOWS OR FITTINGS SHALL BE INSULATED IN THE SAME FASHION AS THE STRAIGHT PIPING RUNS.
2. SLIP PIPING INSULATION ON BEFORE JOINTS ARE MADE UP. BUTT JOINTS TOGETHER AND SEAL WITH MANUFACTURER'S ADHESIVE. SLITTING OF ELASTOMERIC TUBE INSULATION IS NOT ACCEPTABLE.
3. INSULATE PIPE FITTING AND VALVES WITH MITER CUT PIECES OF INSULATION THE SAME THICKNESS AS THE PIPING INSULATION.
K. FIELD-APPLIED JACKET INSTALLATION:
1. WHERE METAL JACKETS ARE INDICATED, INSTALL WITH 2-INCH OVERLAP AT LONGITUDINAL SEAMS AND END JOINTS. OVERLAP LONGITUDINAL SEAMS ARRANGED TO SHED WATER. SEAL END JOINTS WITH WEATHERPROOF SEALANT RECOMMENDED BY INSULATION MANUFACTURER. SECURE JACKET WITH STAINLESS STEEL BANDS, 12 INCHES ON CENTER, AND AT END JOINTS.
3.3 INSULATION SCHEDULE
A. REFRIGERANT PIPING (LIQUID & SUCTION), INTERIOR CONCEALED:
1. 3/4" ELASTOMERIC TUBE INSULATION.
B. REFRIGERANT PIPING (LIQUID & SUCTION), EXTERIOR JACKETING:
1. 3/4" ELASTOMERIC TUBE INSULATION WITH ALUMINUM JACKETING.
C. SUPPLY AIR DUCTWORK, INTERIOR CONCEALED:
1. 1-1/2" FIBERGLASS BLANKET.
D. SUPPLY AIR DUCTWORK, INTERIOR CONCEALED:
1. 1" FIBERGLASS BLANKET.
E. EXHAUST AIR DUCTWORK, INTERIOR CONCEALED:
1. NO INSULATION REQUIREMENT.
END OF SECTION 230713

SECTION 232113 - PIPING

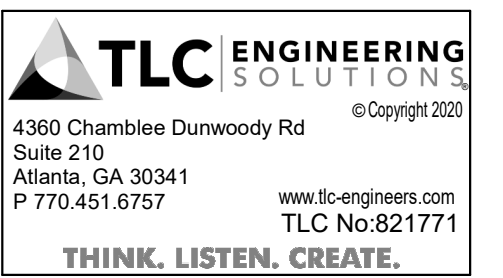
- PART 1 - GENERAL
1.1 SUMMARY
A. THIS SECTION INCLUDES PIPE AND FITTING MATERIALS FOR THE FOLLOWING:
1. EQUIPMENT AND COIL DRAIN PIPING.
2. REFRIGERANT PIPING.
1.2 QUALITY ASSURANCE
A. BRAZING QUALIFICATIONS
1. ALL BRAZING PROCEDURES, BRAZER QUALIFICATION, QUALITY, AND TESTING SHALL CONFORM TO THE REQUIREMENTS OF ANSI B31.1, AND TO THE ASME BOILER AND PRESSURE VESSEL CODE, SECTION IX, WELDING AND BRAZING QUALIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROCEDURES, QUALITY AND VISUAL TESTING OF ALL BRAZING PERFORMED BY HIM AND HIS EMPLOYEES.
PART 2 - PRODUCTS
2.1 PIPE AND FITTINGS
A. EQUIPMENT AND COIL DRAIN PIPING:
1. TYPE L COPPER.
2. JOINTS MAY BE SOLDERED. BRAZING MAY BE DONE, IN LIEU OF SOLDERING, AT CONTRACTOR'S OPTION.
B. REFRIGERANT:
1. HARD COPPER TUBE, ASTM B 280, TYPE L OR K, DRAWN TEMPER, WITH ASME B16.22 WROUGHT-COPPER STREAMLINE PATTERN FITTINGS AND AWS A5.8 BAg-1 SOLDER. JOINTS SHALL BE BRAZED. SOLDERING OF JOINTS IS NOT ACCEPTABLE.
C. SLEEVES: THE FOLLOWING MATERIALS ARE FOR WALL PENETRATIONS:
1. STEEL SHEET METAL: 24-GAUGE OR HEAVIER, GALVANIZED SHEET METAL, ROUND TUBE CLOSED WELDED LONGITUDINAL JOINT.
2. STEEL PIPE: ASTM A 53, TYPE E, GRADE B SCHEDULE 40, PLAIN ENDS.
D. TESTING:
1. TEST ALL NEW PIPING AT 1.5 TIMES DESIGN PRESSURE OR AT HIGHER PRESSURES THAN THOSE REQUIRED BY AUTHORITIES HAVING JURISDICTION.
PART 3 - EXECUTION
3.1 PIPING APPLICATIONS
A. LIQUID AND SUCTION REFRIGERANT LINES, FOR AIR CONDITIONING SYSTEMS SHALL BE SIZED ACCORDINGLY.
1. NPS 1-1/2 AND SMALLER: COPPER, TYPE L, HARD DRAWN-TEMPER TUBING AND WROUGHT-COPPER FITTINGS WITH BRAZED JOINTS.
3.2 PIPING INSTALLATIONS
A. DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF PIPING SYSTEMS. INSTALL PIPING AS INDICATED UNLESS DEVIATIONS TO LAYOUT ARE REQUIRED DUE TO FIELD CONDITIONS.
B. INSTALL PIPING PARALLEL OR PERPENDICULAR TO BUILDING WALLS, DIAGONAL RUNS ARE PROHIBITED UNLESS SPECIFICALLY INDICATED OTHERWISE.
C. INSTALL PIPING AS SHORT AND DIRECT AS POSSIBLE, WITH A MINIMUM NUMBER OF JOINTS, ELBOWS AND FITTINGS.
D. INSTALL SLEEVES FOR PIPING PENETRATIONS OF INTERIOR AND EXTERIOR WALLS. ESCUTCHEONS SHALL BE USED WHERE PIPING PENETRATIONS ARE VISIBLE.
3.3 REFRIGERANT PIPE JOINT CONSTRUCTION
A. ALL REFRIGERANT PIPE JOINTS SHALL BE BRAZED. SOLDERED OR MECHANICAL JOINTS ARE PROHIBITED.
B. BRAZED JOINTS: CONSTRUCT JOINTS ACCORDING TO AWS'S "BRAZING HANDBOOK", CHAPTER "PIPE AND TUBE".
1. USE TYPE CuP, COPPER-PHOSPHORUS ALLOW FOR JOINING COPPER SOCKET FITTINGS WITH COPPER PIPE.
2. US TYPE Bag, CADMIUM-FREE SILVER ALLOY FOR JOINING COPPER WITH BRONZE OR STEEL.
3.4 FIELD QUALITY CONTROL
A. ONCE REFRIGERANT PIPING SYSTEM IS COMPLETE, WITH ALL CONNECTIONS COMPLETE, THE SYSTEM SHALL BE PRESSURE TESTED TO 1.5 TIMES THE NORMAL OPERATING PRESSURE OF THE SYSTEM.
END OF SECTION 232113



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ROCKDALE COUNTY JAIL RENOVATIONS - MENTAL HEALTH WARD ROCKDALE COUNTY 911 CHAMBERS DR., NW CONNERS, GA

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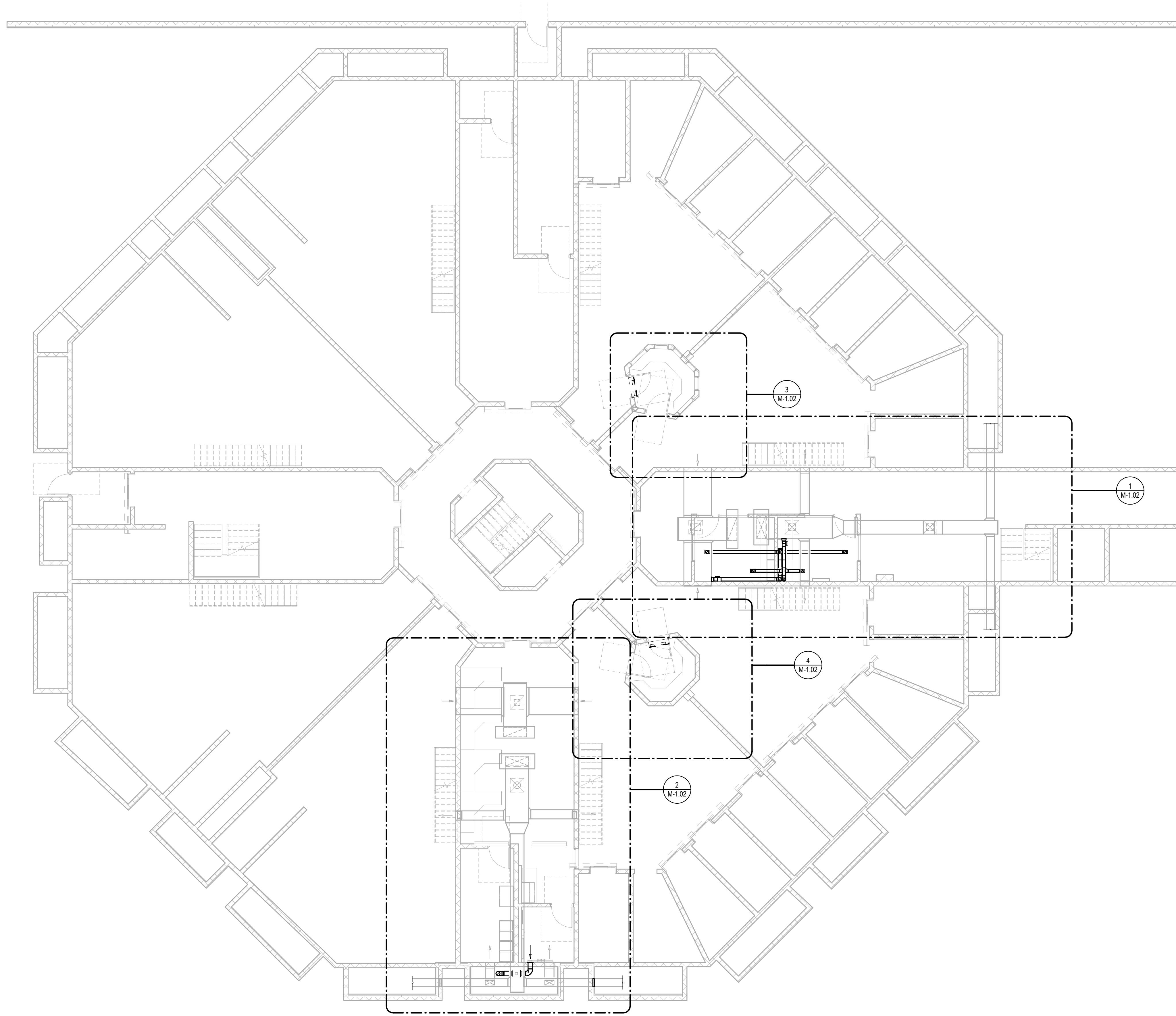
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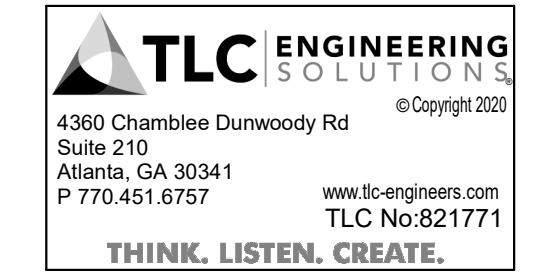
**1** FIRST FLOOR HVAC PLAN  
SCALE: 1/8" = 1'-0"



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**ROCKDALE COUNTY JAIL  
RENOVATIONS -  
MENTAL HEALTH WARD**  
ROCKDALE COUNTY  
911 CHAMBERS DR., NW  
CONVERS, GA

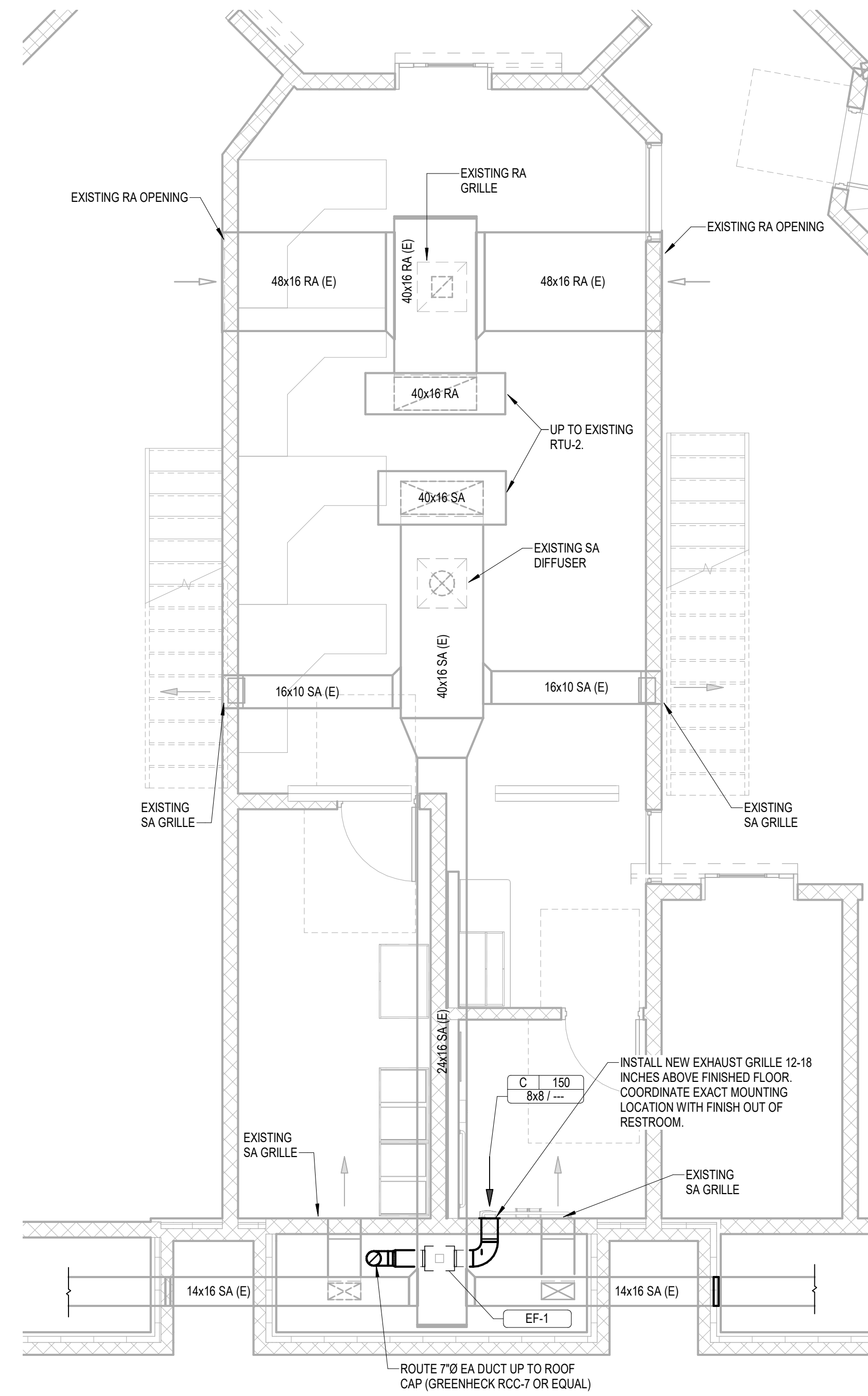
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**Sheet Title**  
LEVEL 1 PLAN -  
HVAC

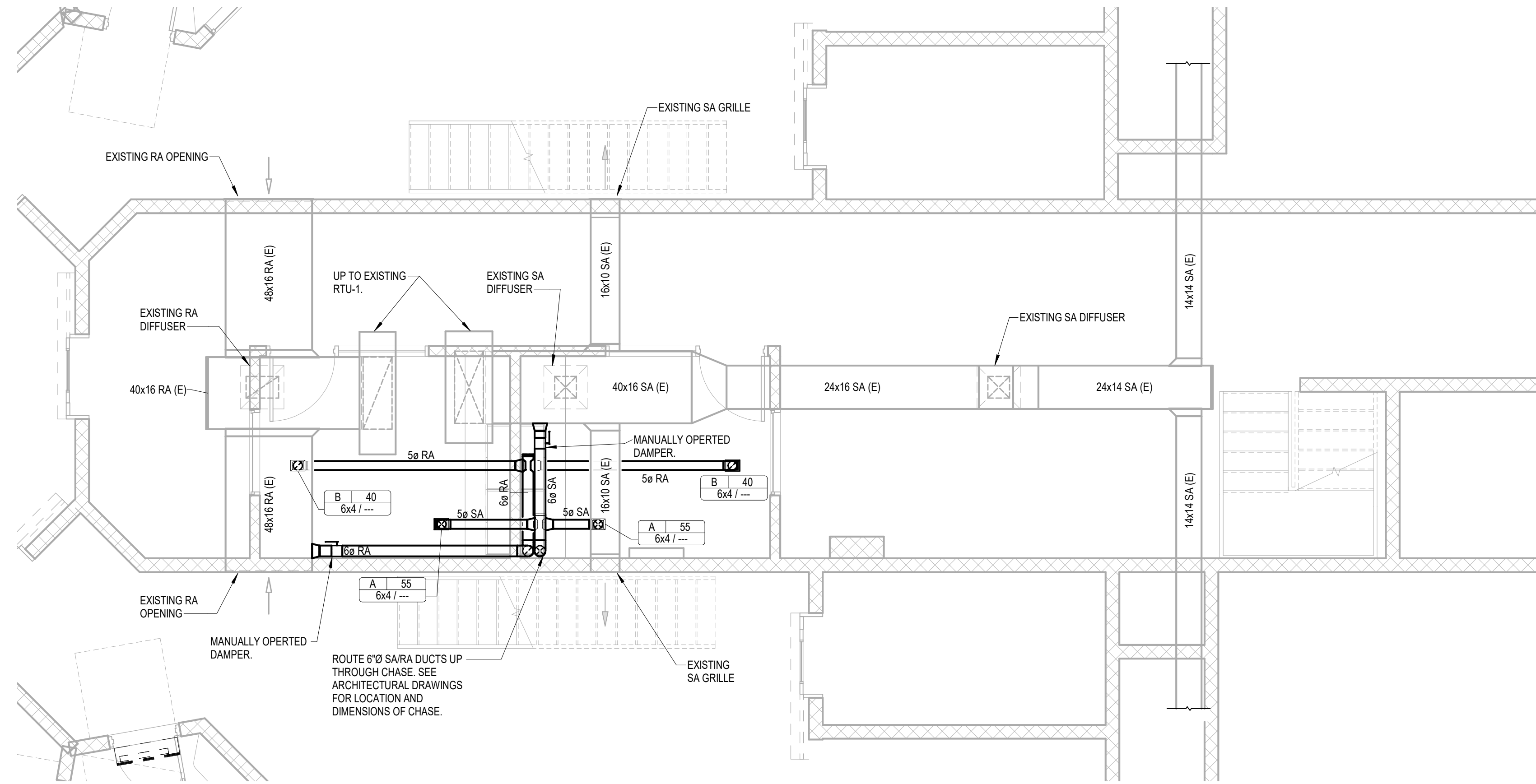
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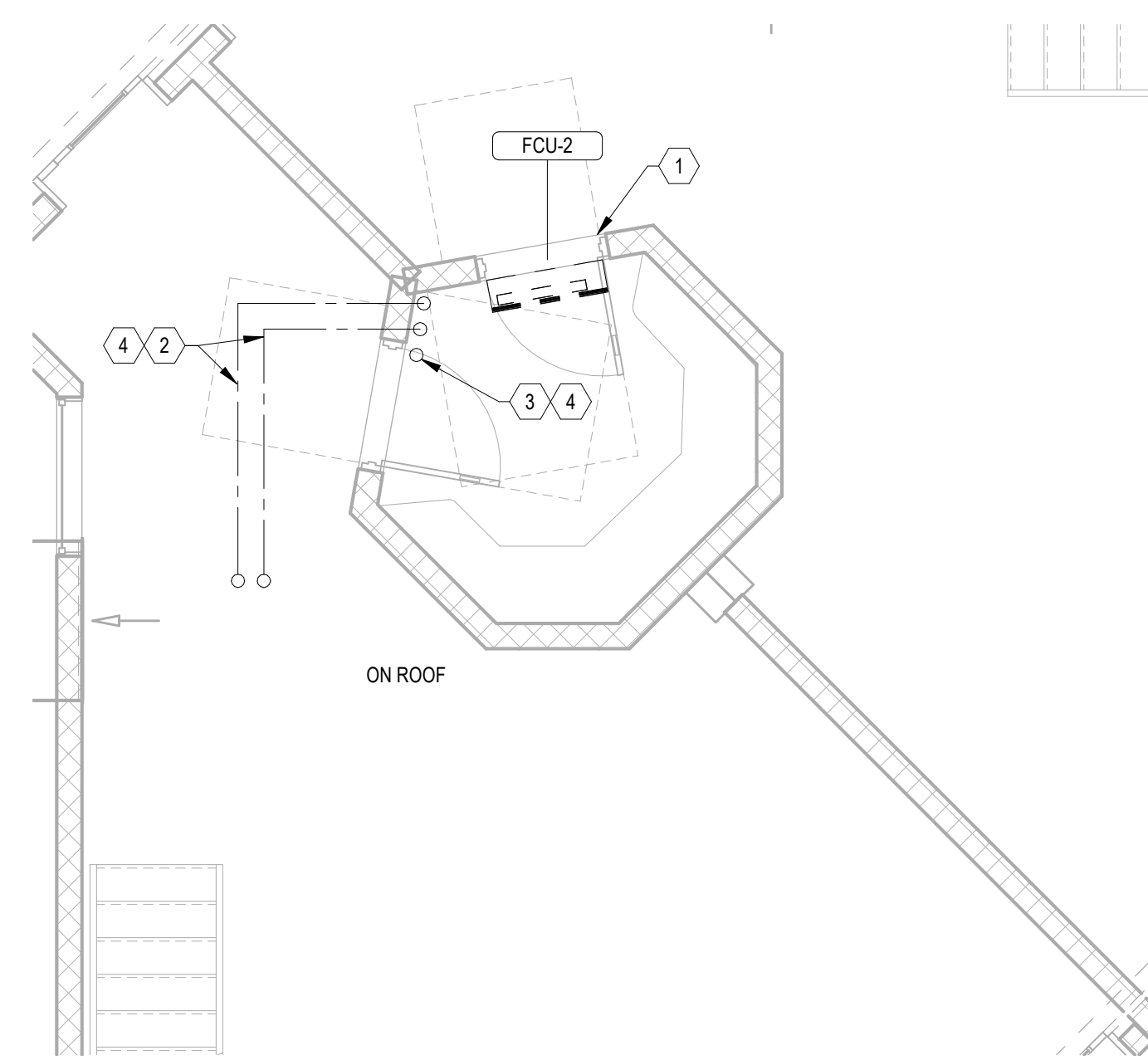
**2 ENLARGED LEVEL 1 PLAN - HVAC**  
SCALE: 1/4" = 1'-0"

**KEYNOTES:**

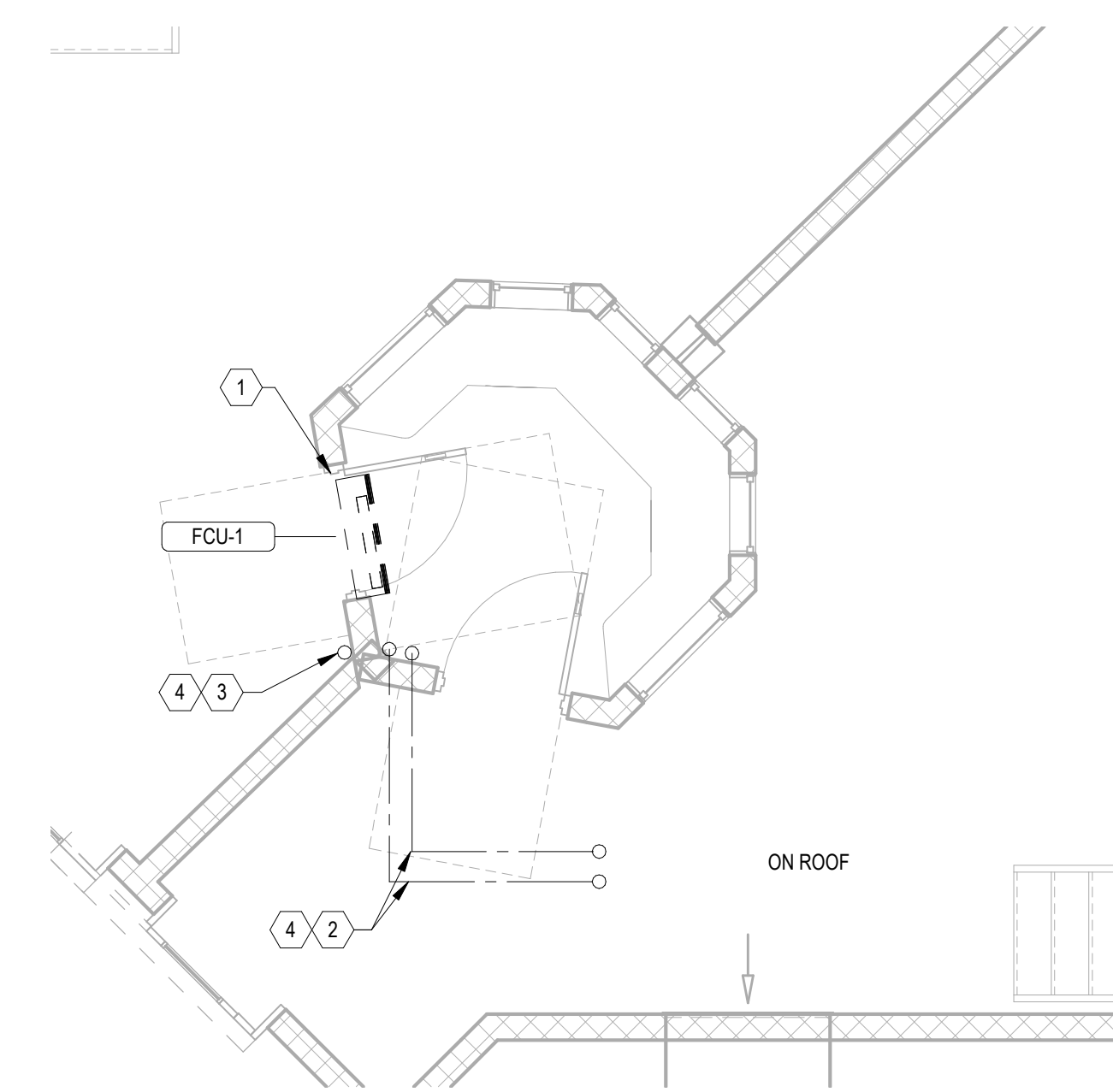
- 1 WALL-MOUNTED FAN COIL UNIT SHALL BE MOUNTED 7'-6" AFF.
- 2 ROUTE REFRIGERANT PIPING BETWEEN INDOOR FAN COIL UNIT AND OUTDOOR CONDENSING UNIT. ROUTE PIPING CONCEALED THROUGH CHASES AND ABOVE CEILINGS. SIZE OF PIPING SHALL BE AS INDICATED BY MANUFACTURER.
- 3 ROUTE CONDENSATE PIPING UP TO ROOF AND SPILL ONTO ROOF SURFACE. CONDENSATE PIPING SHALL BE 3/4" OR AS REQUIRED BY CONDENSATE PUMP MANUFACTURER. ROUTE CONDENSATE TO ROOF WITHIN SAME CHASE AS REFRIGERANT PIPING.
- 4 PIPING SHALL BE ROUTED VERTICALLY THROUGH ARCHITECTURAL CHASE. SEE ARCHITECTURAL PLANS FOR SIZE AND LOCATION.



**1 ENLARGED LEVEL 1 PLAN - HVAC**  
SCALE: 1/4" = 1'-0"



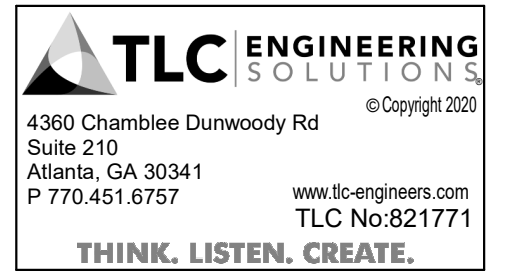
**3 ENLARGED LEVEL 1 PLAN - HVAC**  
SCALE: 1/4" = 1'-0"



**4 ENLARGED LEVEL 1 PLAN - HVAC**  
SCALE: 1/4" = 1'-0"



7/15/2022



**ROCKDALE COUNTY JAIL  
RENOVATIONS -  
MENTAL HEALTH WARD**  
ROCKDALE COUNTY  
911 CHAMBERS DR., NW  
CONVERS, GA

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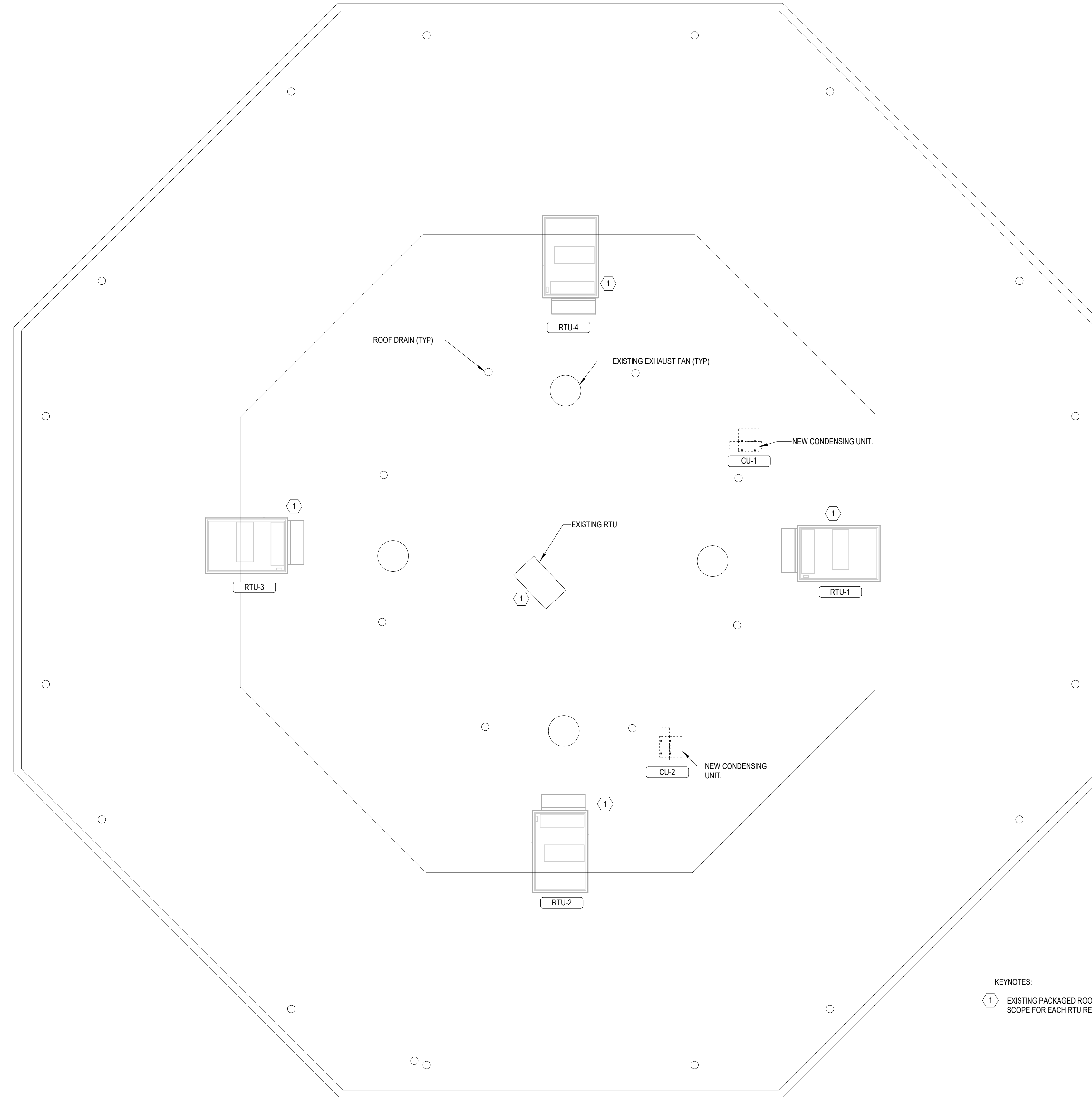
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**Job No.** 21074

**Sheet Title**  
**ENLARGED FLOOR  
PLAN - HVAC**

**Sheet No.**

**M-1.02**

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**KEYNOTES:**  
 ① EXISTING PACKAGED ROOFTOP UNIT TO REMAIN. SEE M-0.01 FOR SCOPE FOR EACH RTU RELATED TO ROOF REPLACEMENT.

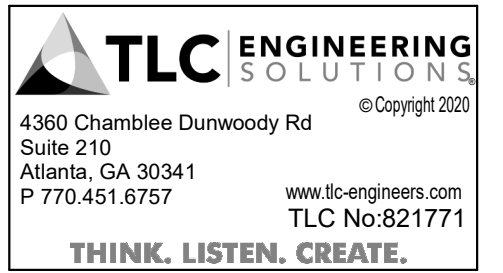
**1 ROOF PLAN - HVAC**  
 SCALE: 1/8" = 1'-0"



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7/15/2022



**ROCKDALE COUNTY JAIL  
 RENOVATIONS -  
 MENTAL HEALTH WARD**  
 ROCKDALE COUNTY  
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**Sheet Title**  
**ROOF PLAN - HVAC**

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LIGHTING FIXTURE SCHEDULE					
TYPE MARK	DESCRIPTION	MANUFACTURER / MODEL	LAMP SOURCE	FIXTURE WATTAGE W / LF	COMMENTS
A	2' x 4' LED TROFFER	COLUMBIA LIGHTING LCAT24-35MLG-EDD-U	LED 3500K	39.00 W	
C	1' x 4' ANTLIGATURE SURFACE MOUNTED FIXTURE	KENALL MIGHTY MAC SSA-4-XX-67T-2769K9-DMX-DV	LED	68.00 W	
P	2' x 4' VANDALL RESISTANT FIXTURE	KENALL MIGHTY MAC RMCD-4-TG-XX-90T-2765K9-DMX-DV	LED	92.00 W	
S	ANTLIGATURE WET RATED FIXTURE	KENALL MIGHTY MAC CD-4-XX-67T-2769K9-DMX-DV	LED	68.00 W	

### GENERAL ELECTRICAL NOTES

- FOR EXACT LOCATION OF EQUIPMENT MOUNTED IN SUSPENDED CEILINGS, SUCH AS LIGHTING FIXTURES, AND SMOKE DETECTORS, SEE ARCHITECTURAL REFLECTED CEILING PLANS. ARCHITECTURAL REFLECTED PLAN SHALL GOVERN FINAL LOCATION.
- PRIOR TO ROUGH-IN, CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL WIRING DEVICE WITH ARCHITECTURAL ELEVATION TO AVOID CONFLICTS WITH CASEWORK, COUNTER TOPS, DOOR SWINGS, ETC. WHERE CONFLICTS OCCURS, CONTRACTOR SHALL CONTACT THE ARCHITECT IN WRITING FOR RESOLUTION.
- ALL MOUNTING HEIGHT DIMENSIONS ARE TO THE CENTER OF THE OUTLET BOX UNLESS OTHERWISE NOTED.
- FOR EXACT LOCATION OF ALL EXTERIOR LIGHTING FIXTURES MOUNTED ON EXTERIOR OF BUILDING, ARCHITECTURAL ELEVATIONS SHALL GOVERN
- PRIOR TO ROUGH-IN FOR ALL LIGHTING SWITCHES, VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL PLANS.
- THE CONTRACTOR SHALL USE CARE WHEN CUTTING OPENINGS FOR OUTLET BOXES IN CMU WALLS. OUTLET BOXES SHALL BE INSTALLED IN CMU WALLS SECURELY WITH EPOXY.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING OUTLET BOX INSTALLATION WITH WALL FINISH (GYPSUM FURRING, TILE, ETC). THE CONTRACTOR SHALL PROVIDE AND INSTALL ANY EXTENSION RINGS NECESSARY TO ACCOMMODATE WALL FINISHES.
- ALIGN VERTICALLY AND HORIZONTALLY ALL LIGHT SWITCHES, THERMOSTATS, FIRE ALARM PULL STATIONS, ETC. ALL THESE ITEMS SHALL BE CLUSTERED WHERE POSSIBLE. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT.
- COORDINATE MOUNTING OF ALL EXTERIOR DISCONNECT WITH ARCHITECTURAL ELEVATIONS. IF NOT INDICATED ON ARCHITECTURAL ELEVATIONS, REQUEST ELEVATIONS OF DISCONNECT SWITCHES FROM ARCHITECT IN WRITING PRIOR TO ROUGH-IN.
- PROVIDE TAMPER PROOF RECEPTACLES IN BUSINESS OFFICES, CORRIDORS, WAITING ROOMS AND THE LIKE PER NEC 406.12.

### UTILITY NOTES

- PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL HAVE ALL EXISTING UNDERGROUND UTILITIES LOCATED.

### FIRE PROOFING NOTES

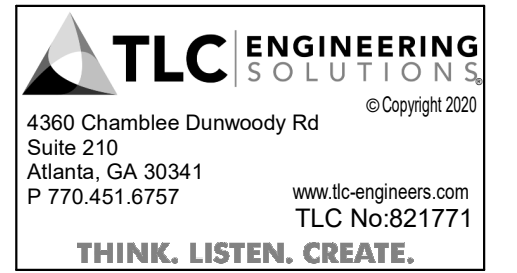
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FIRE STOPPING AT ALL WALL, FLOOR AND CEILING PENETRATIONS WHERE CONDUIT PENETRATIONS OCCUR.
- PROVIDE FIRE STOPPING AT CONDUIT PENETRATIONS PER UL.

### ABBREVIATIONS

A	- AMPERES	MCB	- MAIN CIRCUIT BREAKER
A.F.F.	- ABOVE FINISHED FLOOR	MLO	- MAIN LUG ONLY
A.F.G.	- ABOVE FINISHED GRADE	NTS	- NOT TO SCALE
B.F.G.	- BELOW FINISHED GRADE	P	- POLE
C	- CONDUIT	PNL	- PANEL
ETR	- EXISTING TO REMAIN	SN	- SOLID NEUTRAL
F	- FUSE	U.O.N.	- UNLESS OTHERWISE NOTED
GFI	- GROUND FAULT CIRCUIT INTERRUPTING	V	- VOLTS
G	- GROUND	W	- WIRE
KVA	- KILO VOLT AMP	WP	- WEATHERPROOF / GFI
KW	- KILOWATT		



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**ROCKDALE COUNTY JAIL  
RENOVATIONS -  
MENTAL HEALTH WARD**  
**ROCKDALE COUNTY**  
 911 CHAMBERS DR., NW  
CONVERS, GA

### PRINT RECORD

No.	DATE	DESCRIPTION
	5/10/2022	
	7/15/2022	ISSUED FOR PERMIT

**Drawn By**  
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**Checked By**  
JCS

**Date**  
21074

**Job No.**  
21074

**Sheet Title**  
**ELECTRICAL NOTES  
AND SCHEDULES**

**Sheet No.**

**E-0.02**

RELEASED FOR CONSTRUCTION

Panel: XB1														
Location:		Mounting: RECESSED				Dist. / Phase / Wires: 208Y/120 / 3 / 4				K.A.I.C. Rating: EXISTING BUS Rating: 100.0 A				
Supply From:		Enclosure: NEMA1		Max Height Busing:		Mains Type: MLO		MCB Rating: N/A						
KN	CKT	Circuit Description	Trip(A)	P	A (KVA)	B (KVA)	C (KVA)	P	Trip(A)	Circuit Description	CKT	KN		
	1	LTS DAYROOM NORTH	20	1	1.376	0.700			1	20	FIRE ALARM PANEL	2		
	3	LTS CONTROL RM HALL	20	1		0.700	0.700		1	20	OUTLET NW WALL	4		
	5	LTS DAYROOM NORTH	20	1			1.376	0.700	1	20	FA COMPRESSOR	6		
	7	DOOR POWER	20	1	0.700	0.700			1	20	OUTLET SW WALL	8		
	9	PLC COMP	20	1			0.700	0.700	1	20	OUTLET SE WALL	10		
	11	LTS MAIN HALLWAY	20	1			0.700	0.700	1	20	OUTLET NE WALL	12		
	13	HVAC CONTROL PANEL	20	1	0.700	0.700			1	20	RELOCATED LOAD (FROM BKR 23)	14		
	15	EXISTING LOAD	20	1			0.700	0.700	1	20	EXISTING LOAD	16		
	17	EXISTING LOAD	20	1			0.700	0.700	1	20	EXISTING LOAD	18		
	19	EXISTING LOAD	20	1	0.700	0.700			1	20	EXISTING LOAD	20		
	21	EXISTING LOAD	20	1			0.700	0.700	1	20	EXISTING LOAD	22		
	23	CUFCU-1	30	2	0.915	1.800			0.915	0.700	1	20	EXISTING LOAD	24
	25												26	
	27	CUFCU-2	30	2			0.915	1.800			3	20	EXISTING LOAD	28
	29												30	
Connected Phase Load (KVA)					8.825		8.151			8.908				
Connected Phase Amps (A)					74.409		67.922			75.100				
Load Classification			Connected Load	Demand Factor	Demand Load	Panel Totals								
Lighting			2752 VA	100.00%	2752 VA	Total Connected Load (KVA): 25.874 Total Demand Load (KVA): 25.874 Total Demand Current (A): 72								
Spare			20100 VA	100.00%	20100 VA									
HVAC			3661 VA	100.00%	3661 VA									

Panel Keynotes (KN):  
BOLD INDICATES NEW LOAD ON NEW BREAKER  
ITALICS INDICATES RELOCATED LOAD ON EXISTING...

Panel: B1														
Location:		Mounting: RECESSED				Dist. / Phase / Wires: 208Y/120 / 3 / 4				K.A.I.C. Rating: EXISTING BUS Rating: 100.0 A				
Supply From:		Enclosure: NEMA1		Max Height Busing:		Mains Type: MLO		MCB Rating: N/A						
KN	CKT	Circuit Description	Trip(A)	P	A (KVA)	B (KVA)	C (KVA)	P	Trip(A)	Circuit Description	CKT	KN		
	1	LTS DAYROOM G	20	1	0.552	0.552			1	20	LTS DAYROOM E	2		
	3	LTS DAYROOM H	20	1		0.552	0.552		1	20	LTS DAYROOM F	4		
	5	LTS DAYROOM H	20	1			0.552	0.544	1	20	LTS CELLS A & B UP	6		
	7	LTS DAYROOM B	20	1	0.542	0.700			1	20	LTS CELLS C & D DOWN	8		
	9	LTS DAYROOM C	20	1			0.552	0.408	1	20	LTS CELLS C & D UP	10		
	11	LTS DAYROOM D	20	1			0.552	0.700	1	20	LTS CELLS E & F DOWN	12		
	13	LTS CELLS G & H DOWN	20	1	0.544	0.544			1	20	47 CUT LIGHTS E & F UP	14		
	15	EXISTING LOAD	20	1			0.544	0.078	1	20	LTS CONTROL ROOM	16		
	17	LTS CELLS A & B DOWN	20	1			0.544	0.078	1	20	LTS CONTROL ROOM	18		
	19	EXISTING LOAD	20	1	0.700	0.700			1	20	LTS SICKCALL & PROG OFFICE	20		
	21	EXISTING LOAD	20	1			0.700	0.234	1	20	LTS LIBRARY	22		
	23	LTS PROGRAM AREA	20	1			0.700	0.700	1	20	LTS COUNSELING	24		
	25	LTS MAIN HALLWAY	20	1	0.700	0.700			1	20	LTS HALLWAY 1ST FLR	26		
	27	LTS VISITATION	20	1			0.700	0.700	1	20	EXISTING "DO NOT CUT OFF"	28		
	29	VISITATION SYSTEM	20	1			0.700	0.700	1	20	EXISTING "DO NOT CUT OFF"	30		
	31	OUTLETS IN DORMS	20	1	0.700	0.700			1	20	VIDEO VIS	32		
	33	OUTLETS IN DORMS	20	1			0.700	0.700	1	20	VIDEO VIS	34		
	35	CELL E & F, C & D/KIOSK	20	2	1.560	--			1	--	SPACE	36		
	37								1	--	SPACE	38		
	39	STAFF 6 SYSTEMS FURNITURE	20	1			1.000	0.328	1	20	EF-1	40		
	41	STAFF 6 SYSTEMS FURNITURE	20	1			1.000	0.720	1	20	CONTROL ROOM RECEPTACLES	42		
Connected Phase Load (KVA)					9.204		7.660			8.909				
Connected Phase Amps (A)					78.302		63.834			75.845				
Load Classification			Connected Load	Demand Factor	Demand Load	Panel Totals								
Lighting			7534 VA	100.00%	7534 VA	Total Connected Load (KVA): 25.757 Total Demand Load (KVA): 25.757 Total Demand Current (A): 71								
Other			328 VA	100.00%	328 VA									
Spare			15020 VA	100.00%	15020 VA									

Panel Keynotes (KN):  
BOLD INDICATES NEW LOAD ON NEW BREAKER  
ITALICS INDICATES MODIFIED LOAD ON EXISTING BREAKER

PANEL SCHEDULE NOTES:

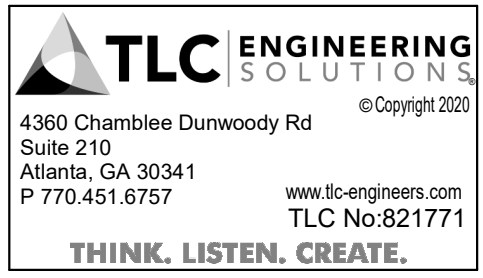
1. PANELBOARD LOADS ARE BASED ON EXISTING DRAWINGS. CONTRACTOR TO CONFIRM EXISTING CONDITIONS PRIOR TO WORK.

Panel: B2															
Location:		Mounting: SURFACE				Dist. / Phase / Wires: 208Y/120 / 3 / 4				K.A.I.C. Rating: EXISTING BUS Rating: 400.0 A					
Supply From:		Enclosure: NEMA1		Max Height Busing:		Mains Type: MLO		MCB Rating: N/A							
KN	CKT	Circuit Description	Trip(A)	P	A (KVA)	B (KVA)	C (KVA)	P	Trip(A)	Circuit Description	CKT	KN			
	1				7.680	7.680						2			
	3	HVAC B1 (H & A)	80	3		7.680	7.680				3	80	HVAC B2 (B & C)	4	
	5						7.680	7.680				6			
	7				5.760	7.680						8			
	9	HVAC B3 (D & E)	60	3		5.760	7.680				3	80	HVAC B4 (F & G)	10	
	11						5.760	7.680				12			
	13	RECEPT WEST CHASES	20	1	0.700	0.700			1	20	RECEPT WEST COUNSELING	14			
	15	RECEPT NORTH CHASES	20	1			0.700	0.700	1	20	RECEPT PROGRAM AREA	16			
	17	RECEPT SOUTH CHASES	20	1			0.700	0.700	1	20	RECEPT COMM STORE	18			
	19	RESTROOM 3 RECEPTACLES	20	1	0.360	0.700			1	20	RECEPT CONTROL TOWER	20			
	21	RECEPT EAST COUNSELING	20	1			0.700	0.700	1	20	EF B9 ISO 212	22			
	23	RECEPT MAIN HALLWAY	20	1			0.700	0.700	1	20	EF B10 ISO 221	24			
	25	EF B1 ISO 235	20	1	0.700	0.700			1	20	EF B11 E&F SHOWER	26			
	27	EF B8 ISO 236	20	1			0.700	0.700	1	20	EF B12 C&D SHOWER	28			
	29	VENDING MACHINE	20	1			0.700	0.720	1	20	OFFICE 5 RECEPTACLES	30			
	31	EF B6 TOWER RRR	20	1	0.700	0.700			1	20	EF A26 B-247	32			
	33	HVAC AC-1	20	2			0.700	1.560	2	20	HVAC LOBBY AC-2	34			
	35							0.700	1.560			36			
	37	VENDING MACHINE	20	1	0.700	0.700			1	20	1 BLOCK	38			
	39					2.340	0.540			1	20	EXAM 1 RECEPTACLES	40		
	41	WELDING REC AT PANEL	30	2			2.340	0.540	1	20	EXAM 2 RECEPTACLES	42			
Connected Phase Load (KVA)					35.424		38.087			38.038					
Connected Phase Amps (A)					295.203		320.740			320.334					
Load Classification			Connected Load	Demand Factor	Demand Load	Panel Totals									
Spare			109600 VA	100.00%	109600 VA	Total Connected Load (KVA): 111.548 Total Demand Load (KVA): 111.548 Total Demand Current (A): 310									

Panel Keynotes (KN):  
BOLD INDICATES NEW LOAD ON NEW BREAKER



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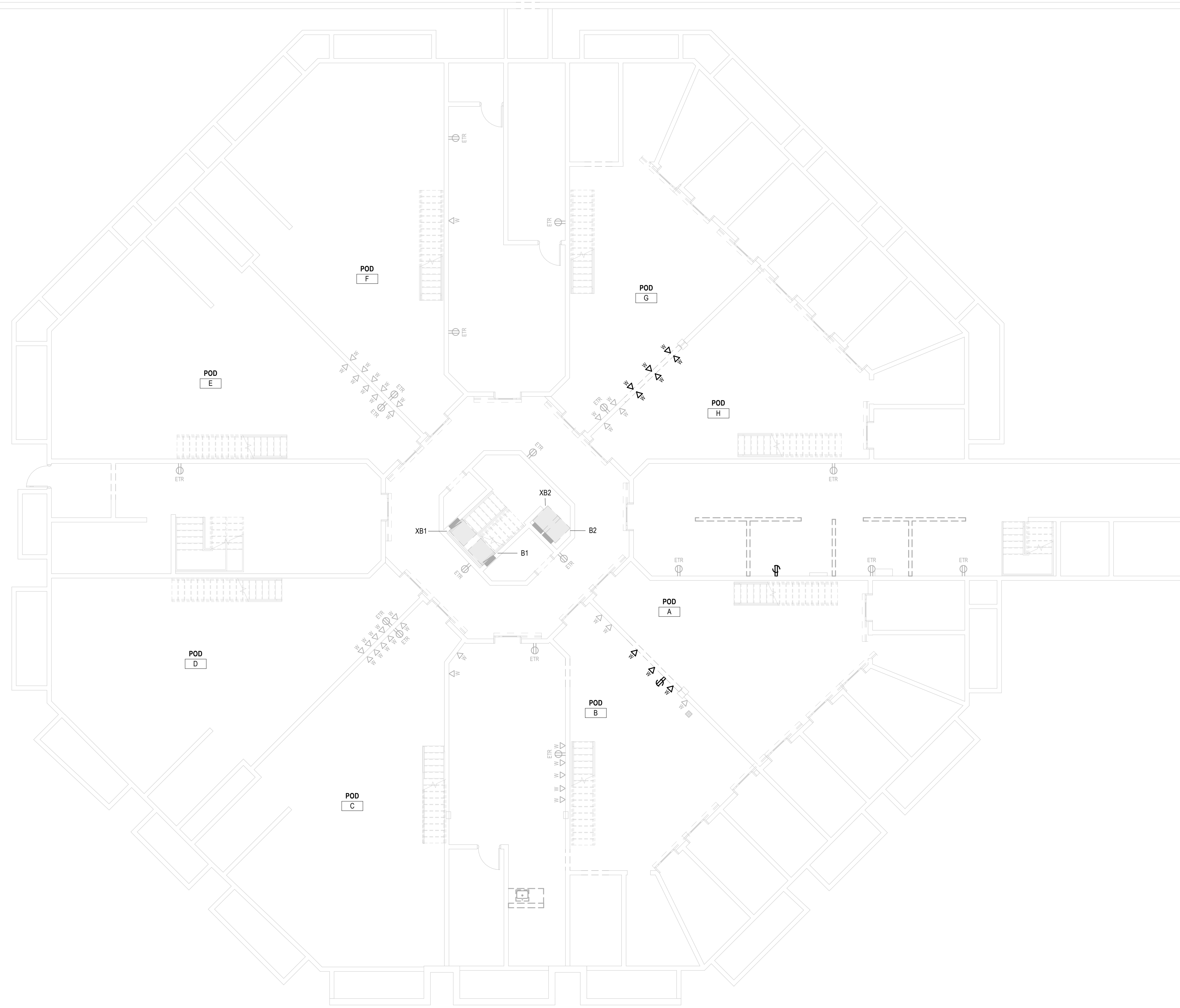
No.	DATE	DESCRIPTION
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Sheet Title  
PANEL SCHEDULES

Sheet No.  
E-0.03  
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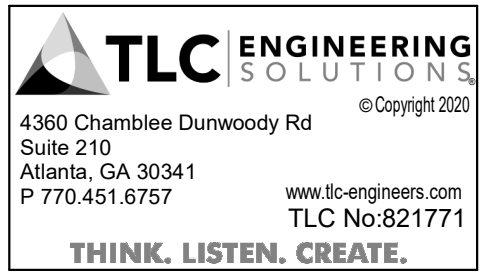
DEMOLITION GENERAL NOTES	
Key Name	General Notes Comment - Demolition
*	SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF DEMOLITION AND CONSTRUCTION. COORDINATE WITH GENERAL CONSTRUCTION.
*	DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES AND LIGHTING FIXTURES IN DEMOLITION AREAS UNLESS NOTED OTHERWISE.
*	DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES IN WALLS TO BE DEMOLISHED. WALLS TO BE DEMOLISHED ARE SHOWN DASHED. DISCONNECT AND REMOVE ASSOCIATED CONDUIT AND WIRE BACK TO LAST REMAINING DEVICE. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF CIRCUIT(S) TO ANY EXISTING DEVICES TO REMAIN. COORDINATE AND VERIFY REQUIREMENTS WITH NEW WORK IN AREA.
*	FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF ANY FEEDERS OR BRANCH CIRCUITS ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY ELECTRICAL EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.
*	FURNISH AND INSTALL CONDUIT AND/OR COMMUNICATIONS/DATA WIRING AS NECESSARY FOR CONTINUITY OF ANY WIRING ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY COMMUNICATIONS/DATA EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.
*	DISCONNECT AND REMOVE LIGHT SWITCHES IN DEMOLITION AREAS AS NECESSARY TO ACCOMMODATE NEW DOOR CONFIGURATIONS.
*	DISCONNECT AND REMOVE ANY EXISTING ELECTRICAL DEVICES AND BACK BOXES AS NECESSARY WHERE NEW WALL CONSTRUCTION WILL INTERSECT AN EXISTING WALL. FURNISH AND INSTALL CONDUIT AND WIRE AS REQUIRED FOR CONTINUITY OF CIRCUIT(S).
*	FURNISH AND INSTALL BLANK COVER PLATES OVER ALL EXISTING UNUSED OPENINGS.



**1 DEMOLITION PLAN - ELECTRICAL**  
SCALE: 1/8" = 1'-0"



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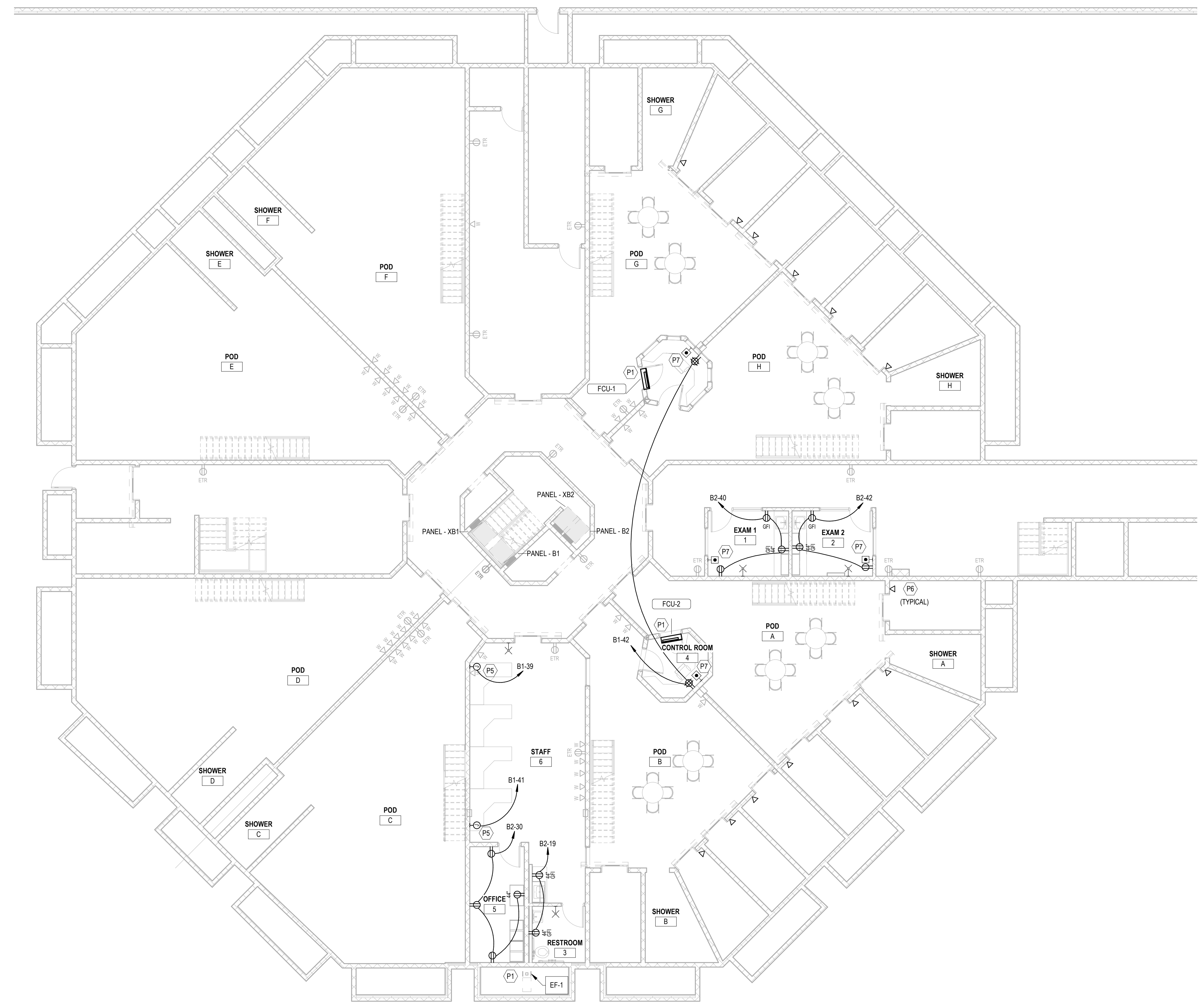
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**DEMOLITION PLAN -  
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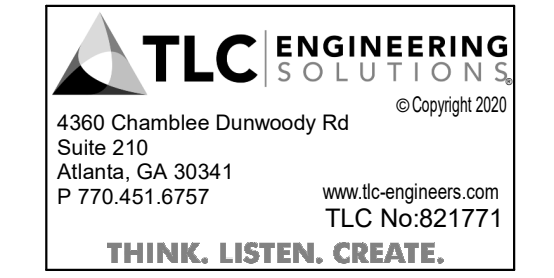
- KEYNOTES**
- P1 REFER TO MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE (SHEET E-0.02) FOR CONNECTION REQUIREMENTS.
  - P5 CONTRACTOR SHALL PROVIDE CONDUIT BOX(ES), WIRING AND COVER PLATE(S) FOR CONNECTION TO FURNITURE WORKSTATIONS. CONTRACTOR SHALL OBTAIN BASE FEED CONNECTORS REQUIRED FOR WORKSTATION PANEL SYSTEM FROM FURNITURE SUPPLIER AND PROVIDE CONNECTION TO BUILDING ELECTRICAL PANEL AS INDICATED ON DRAWINGS. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND BOX(ES) FOR DATA AND TELEPHONE SYSTEMS. CONTRACTOR TO PROVIDE POWER/DATA PROVISIONS TO FURNITURE WHIPS SUPPLIED BY OTHERS.
  - P6 PROVIDE INTERCOM CATV AND CONNECTION TO EXISTING EMERGENCY CALL BUTTON IN HOLDING CELL AS ADD ALTERNATE. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS IN FIELD.
  - P7 PROVIDE PANIC BUTTON IN LOCATION AS SHOWN. PROVIDE CONNECTIONS TO PANIC HARDWARE PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE EXACT LOCATION IN FIELD.



**1 FLOOR PLAN - ELECTRICAL**  
SCALE: 1/8" = 1'-0"



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**Sheet Title**  
**LEVEL 1 PLAN -  
ELECTRICAL**

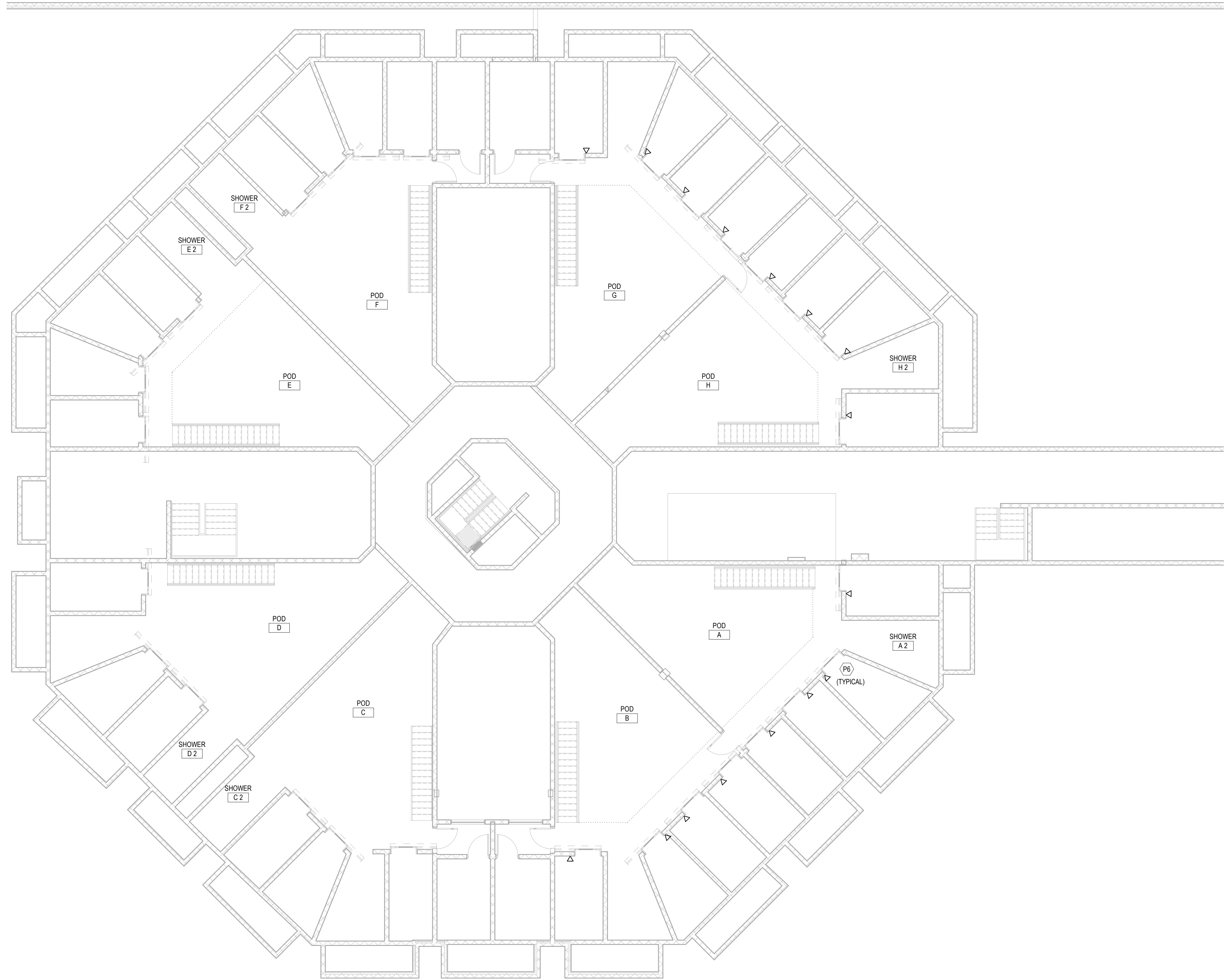
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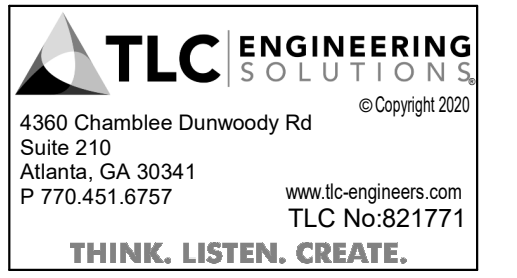
KEYNOTES	
P6	PROVIDE INTERCOM CATV AND CONNECTION TO EXISTING EMERGENCY CALL BUTTON IN HOLDING CELL AS ADD ALTERNATE COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS IN FIELD.



**1** LEVEL 2 PLAN - ELECTRICAL  
SCALE: 1/8" = 1'-0"



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**Sheet Title**  
LEVEL 2 PLAN -  
ELECTRICAL

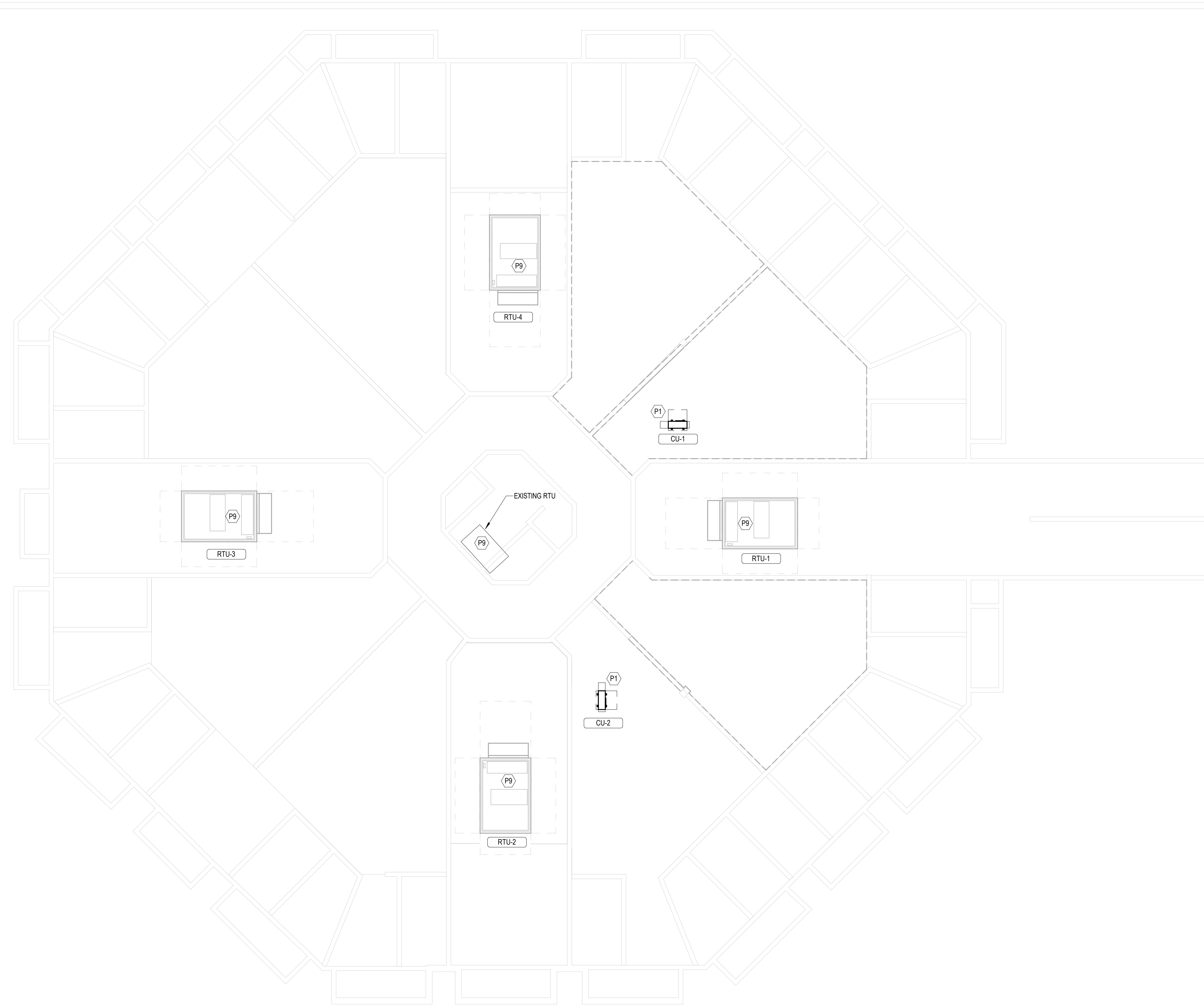
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KEYNOTES	
P1	REFER TO MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE (SHEET E-0.02) FOR CONNECTION REQUIREMENTS.
P9	DISCONNECT AND RETAIN EXISTING CIRCUITS SERVING MECHANICAL EQUIPMENT. RECONNECT CIRCUITS FOLLOWING ROOF RENOVATION.



**1 ROOF PLAN - ELECTRICAL**  
 SCALE: 1/8" = 1'-0"



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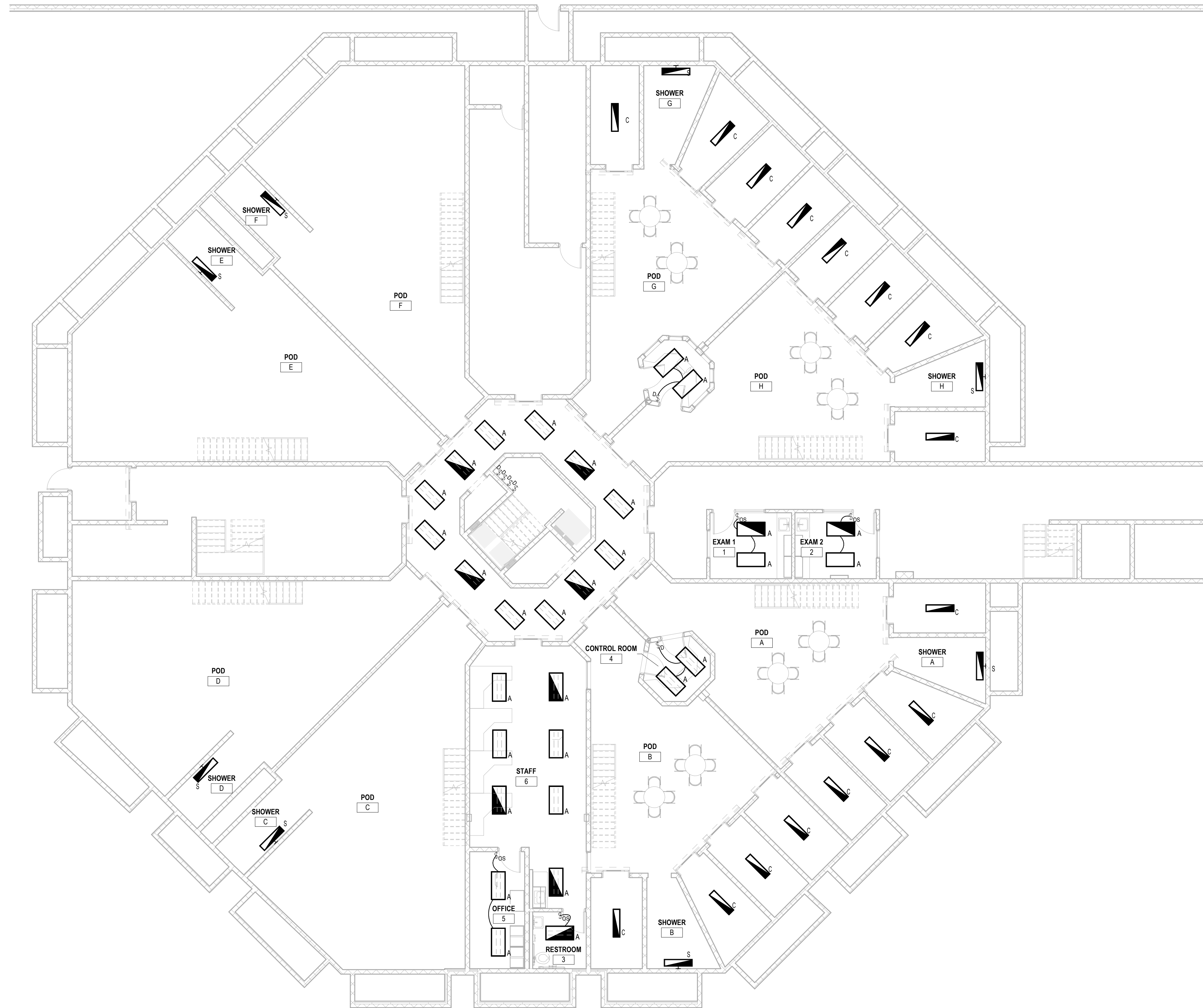
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**ROOF PLAN -  
 ELECTRICAL**

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**LIGHTING GENERAL NOTES:**

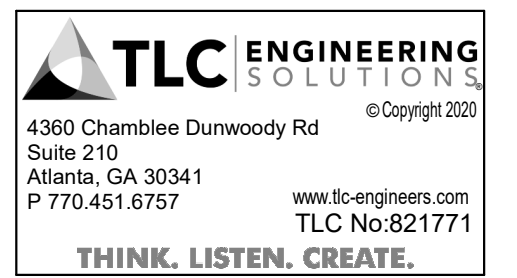
1. ALL NEW LIGHTING TO BE CONNECTED TO EXISTING LIGHTING CIRCUITS SERVING ROOM/AREA.
2. CONTRACTOR TO PROVIDE NEW ANTI-LIGATURE LED LIGHTING IN ALL RENOVATED CELLS AND DAYROOMS. LIGHTING RENOVATION TO FOLLOW ARCHITECTURAL DIRECTION.
3. ALL LIGHTING IN PODS/CELLS TO BE ROUTED TO CENTRAL LIGHTING CONTROL PANEL.



**1 LEVEL 1 PLAN - LIGHTING**  
SCALE: 1/8" = 1'-0"



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**LEVEL 1 PLAN -  
LIGHTING**

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**E-2.01**

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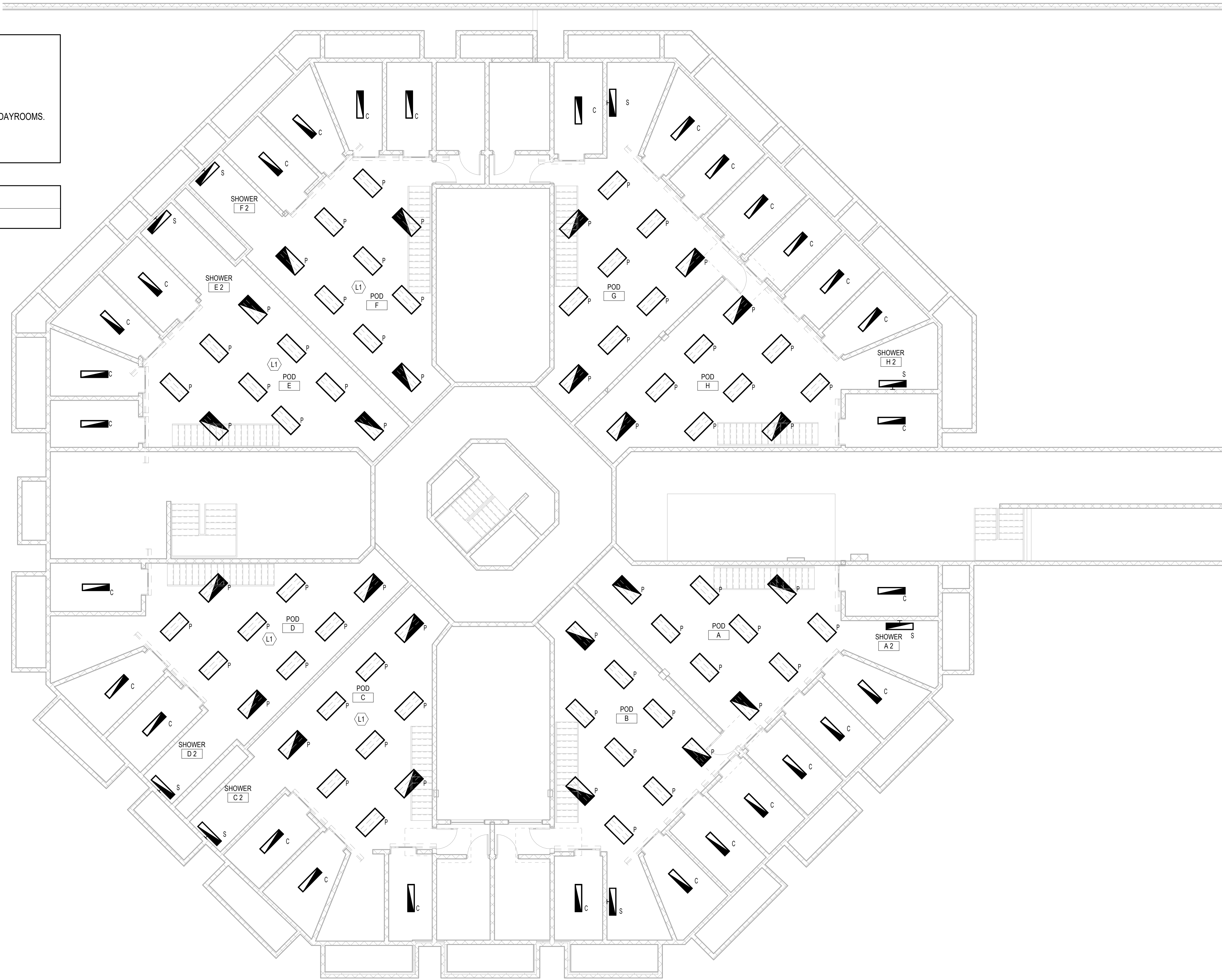
8/2/2022 5:23:33 PM BIM 360://21074 ROCO Mental Health Unit/821771 - Rockdale Mental Health Unit\_MEP\_R21.rvt

**LIGHTING GENERAL NOTES:**

1. ALL NEW LIGHTING TO BE CONNECTED TO EXISTING LIGHTING CIRCUITS SERVING ROOM/AREA.
2. CONTRACTOR TO PROVIDE NEW ANTI-LIGATURE LED LIGHTING IN ALL RENOVATED CELLS AND DAYROOMS. LIGHTING RENOVATION TO FOLLOW ARCHITECTURAL DIRECTION.
3. ALL LIGHTING IN PODS/CELLS TO BE ROUTED TO CENTRAL LIGHTING CONTROL PANEL.

**KEYNOTES**

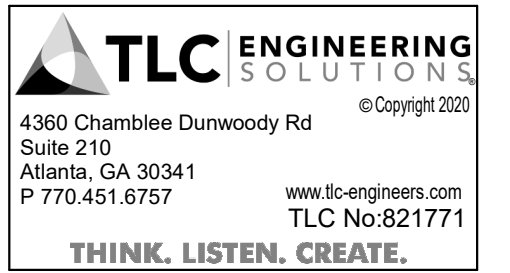
L1 NEW LIGHTING IN THIS AREA TO BE PRICED AS ADD-ALTERNATE.



**1 LEVEL 2 PLAN - LIGHTING**  
SCALE: 1/8" = 1'-0"



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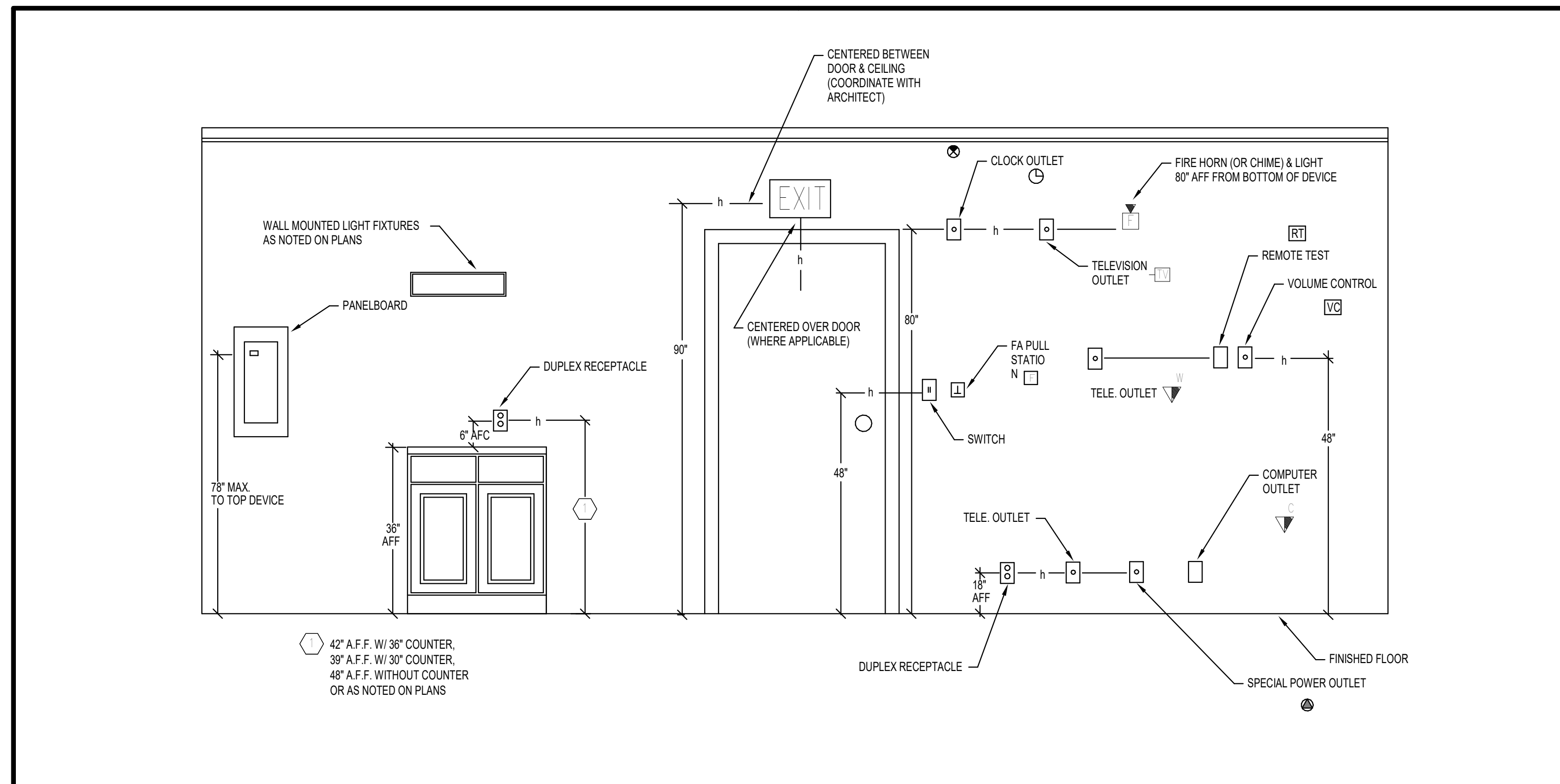
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**Sheet Title**  
**LEVEL 2 PLAN -  
LIGHTING**

**Sheet No.**  
**E-2.02**

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**MOUNTING HEIGHTS**

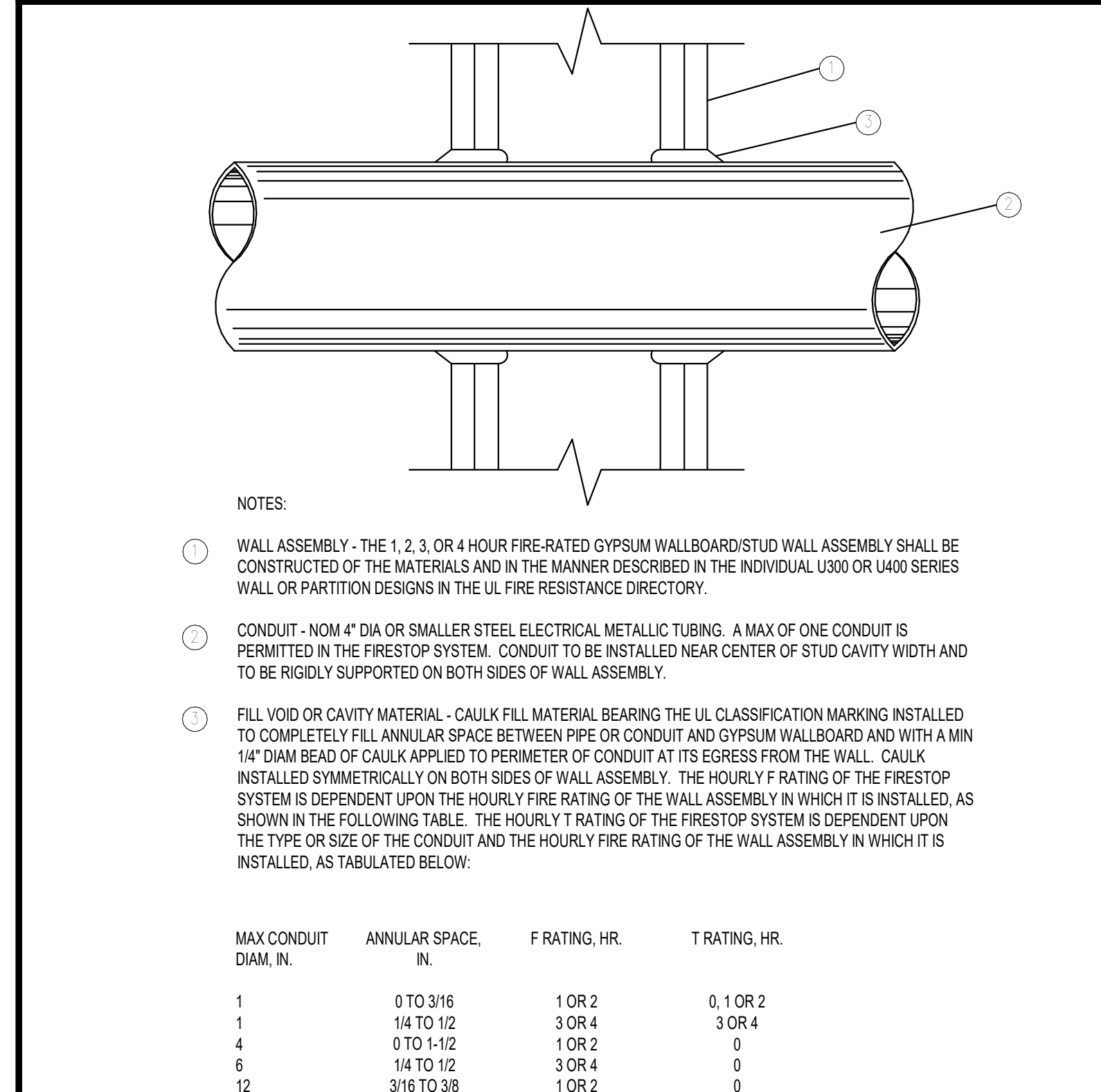
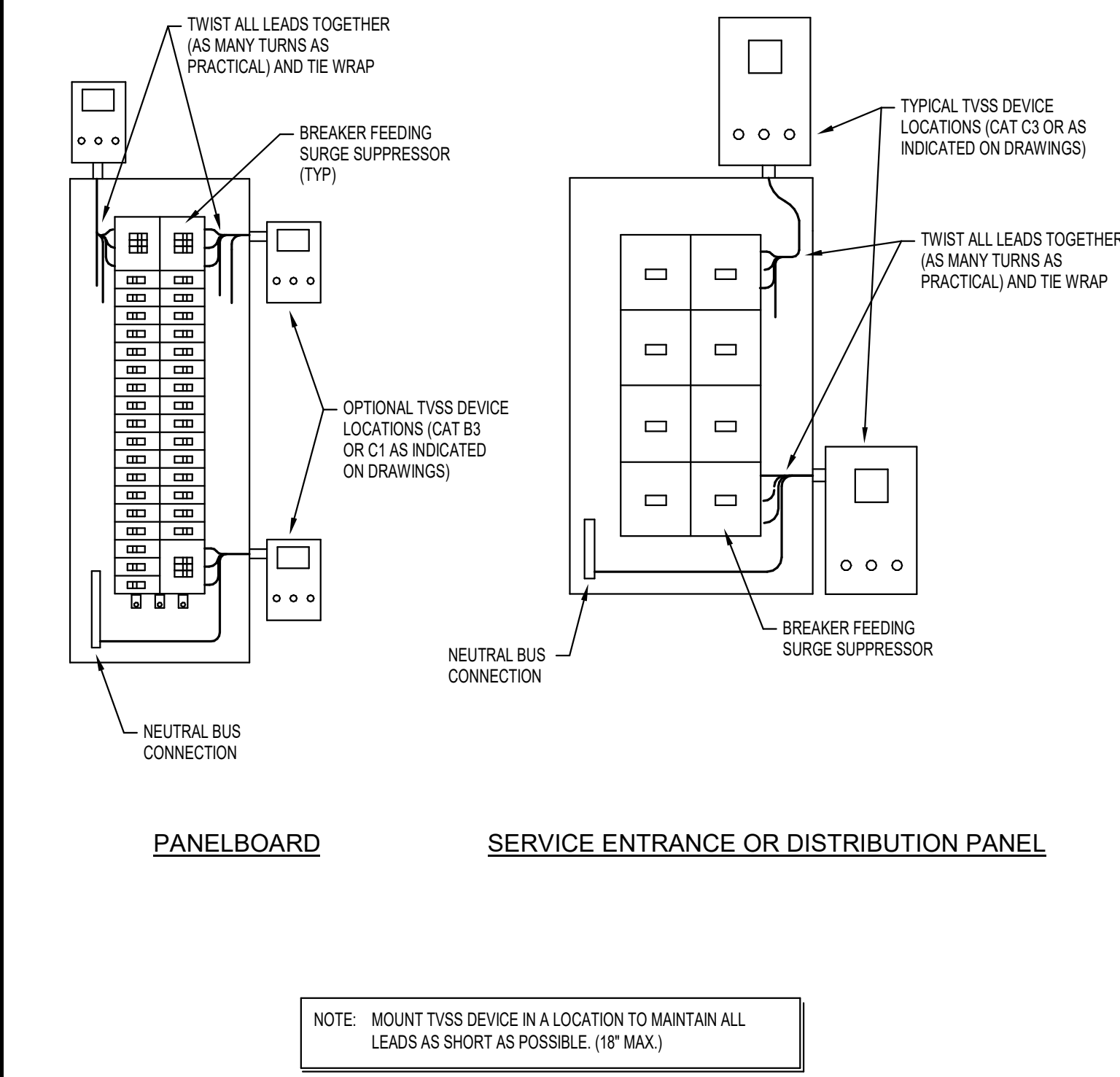
No Scale

3

**TVSS EXTERIOR MOUNT INSTALLATION**

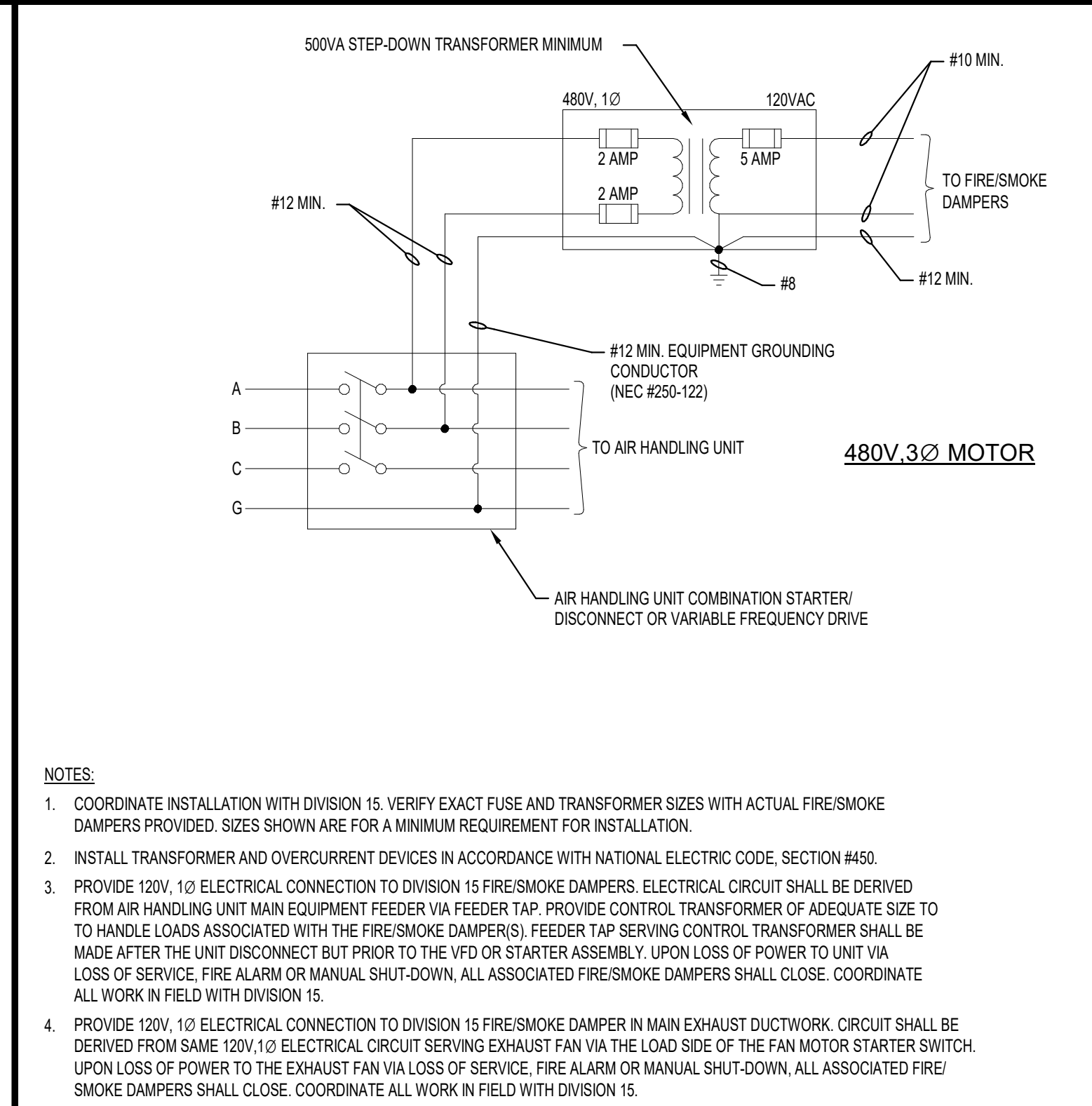
No Scale

1



**CONDUIT PENETRATION OF FIREWALL**  
UL SYSTEM NO. W-L-1001

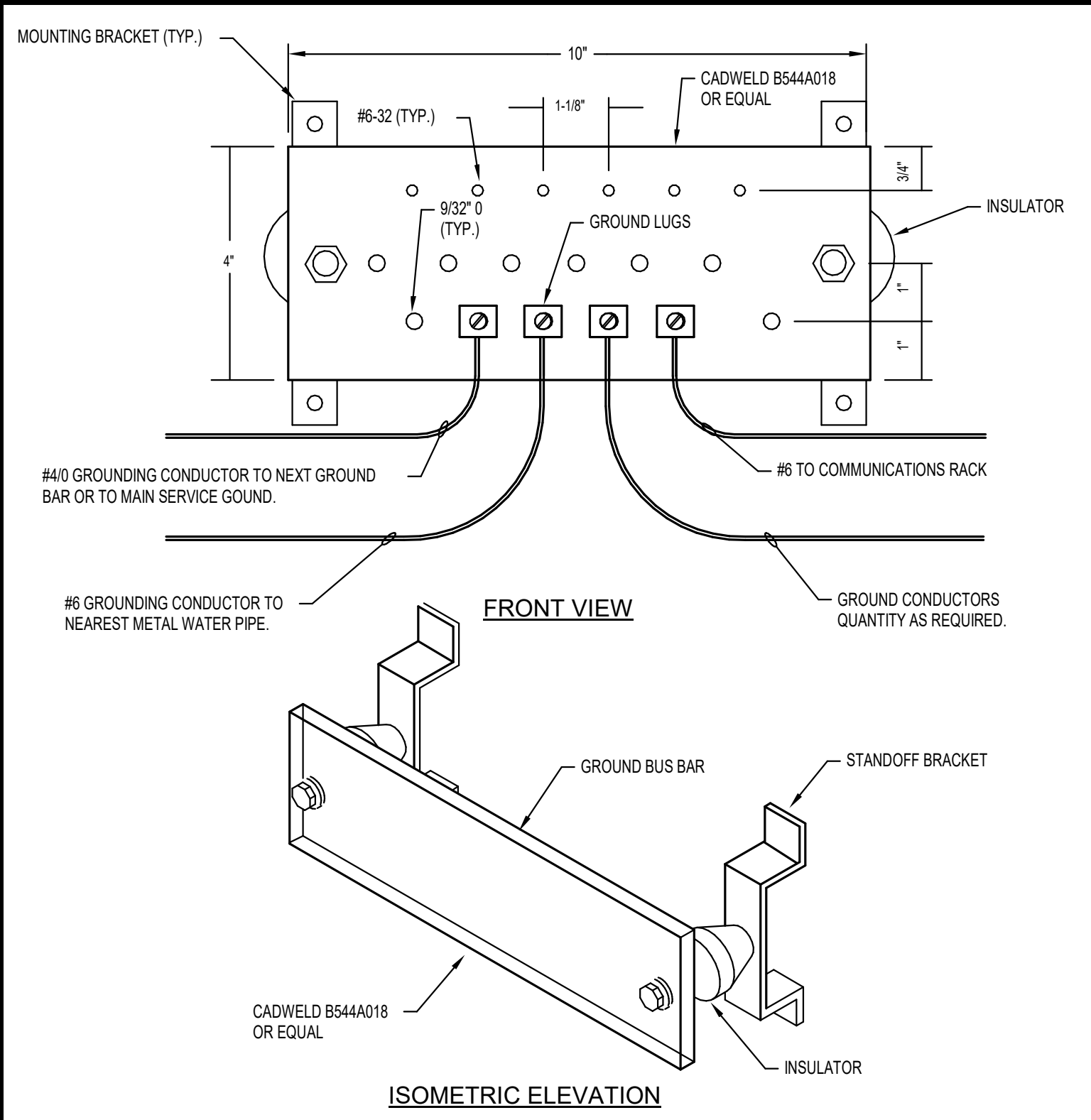
5



**FIRE/ SMOKE DAMPER WIRING DIAGRAM**

No Scale

4



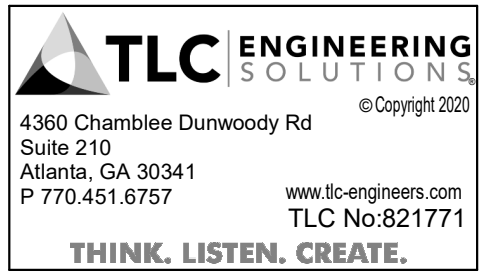
**GROUND BAR**

No Scale

2



208 Pirkle Ferry Road, Suite C  
Cumming, GA 30040



**ROCKDALE COUNTY JAIL  
RENOVATIONS -  
MENTAL HEALTH WARD**  
ROCKDALE COUNTY  
911 CHAMBERS DR., NW  
CONVERS, GA

**PRINT RECORD**

No.	DATE	DESCRIPTION
	5/10/2022	
	7/15/2022	ISSUED FOR PERMIT

**Drawn By** NC  
**Checked By** JCS  
**Date**  
**Job No.** 21074

**Sheet Title**  
**ELECTRICAL  
DETAILS**  
**Sheet No.**  
**E-5.00**  
RELEASED FOR CONSTRUCTION

