



2400 5th Avenue S, Suite 200 | Birmingham, Alabama 35233
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TRANSMITTAL COVER SHEET

DATE: June 14, 2024
TO: ALL PLAN HOLDERS OF RECORD
FROM: HUNTER SWATEK, AIA, PROJECT MANAGER
PROJECT: RAINBOW CITY RECREATION CENTER
GMC PROJECT NO. ABHM230021
RE: ADDENDUM NO. 2 AND
ACKNOWLEDGEMENT OF RECEIPT OF ADDENDUM NO. 2

ACKNOWLEDGEMENT OF RECEIPT:

PLEASE PRINT RECIPIENT'S NAME, FIRM, AND DATE RECEIVED.

THEN E-MAIL BACK TO alyssa.martin@gmcnetwork.com FOR OUR RECORDS AND
TO ACKNOWLEDGE YOUR RECEIPT OF THIS ADDENDUM.

NAME (PLEASE PRINT)

FIRM (PLEASE PRINT)

DATE RECEIVED (PLEASE PRINT)

If there are any problems with this transmittal, please contact sender, at the number listed above.

ADDENDUM NUMBER 02

June 14, 2024

**PROJECT: RAINBOW CITY RECREATION CENTER
GM&C PROJECT NO. ABHM230021**

AD2-1 GENERAL:

- A. The following revisions and/or additions to the Drawings and Project Manual are hereby made a part of same, and shall be incorporated in the Work of the Contract the same as if originally included in the Bid and Construction Documents.
- B. Bidders shall acknowledge receipt of this Addendum in writing, as provided on the Proposal Form.
- C. When a revision and/or addition is called for to the Drawings or Project Manual, they shall be fully coordinated with and carried through all applicable Drawings and portions of the Project Manual, including in part, all related Civil, Landscaping, Architectural, Structural, Plumbing, Mechanical, Electrical, and other Documents.

AD2-2 PROJECT MANUAL AND SPECIFICATIONS:

- A. **Section 01 3000** Administrative Requirements:
 - a. Paragraph 3.01, A
 - i. REVISED item 4 to "Subcontractors, Suppliers, the Architect, all of the Architect's Consultants and Engineers, the Owner shall all have individual access to the service at no extra charge. Include licensed access for the Owner, Architect, and all of the Architect's Consultants and Engineers of not less than one license for each discipline or trade."
 - b. Paragraph 3.01, C
 - i. REVISED as follows: "C. Submittal Service:
 - 1. Submittal Exchange (tel: 1-800-714-0024): www.submittlexchange.com
 - 2. Procure | Construction Management (tel: 1-866-477-6267): www.procure.com
 - 3. Newforma (tel: 1-877-875-8252): www.newforma.com
 - 4. Substitutions: See Section 01 6000 - Product Requirements."
- B. **Section 01 4000** Quality Requirements
 - a. Paragraph 1.03, A
 - i. DELETE item 2
 - b. Paragraph 3.02
 - i. DELETE item J
- C. **Section 07 6200** Sheet Metal Flashing and Trim
 - a. Paragraph 2.01, A
 - i. REVISED item 1 to include "Color: Standard or Custom to match 07 4291 2.03 & 2.04"
- D. **Section 07 7100** Roof Specialties
 - a. Paragraph 1.01, A
 - i. REVISE to also include gutters and downspouts
 - b. Paragraph 1.02, D
 - i. DELETE item D. Referring to Section 07 7123
 - c. Paragraph 2.01, A
 - i. ADD to include, "Downspouts, and Gutters"
 - ii. REVISED item 2.a.1. to "Color: Standard or Custom to match 07 4291 2.03 & 2.04"

- E. **Section 08 7100** Door Hardware
 - a. Page 16 of 26
 - i. ADD to Hardware Set: 05, Door Numbers 131 and 206
- F. **Section 22 0440** Plumbing fixtures
 - a. Paragraph 2.6, K
 - i. REVISED LAV-3 to LAV-2
 - ii. ADDED SH-3 Outdoor Shower

AD2-3 DRAWINGS:

- A. **G1.01** Drawing Index Sheet
- B. **A2.02** RCP – Level 2
 - a. REVISED Baffle Height from Bottom of Baffle
- C. **A3.01** Roof Plan
 - a. ADDED Roof Overflow Drains
- D. **A3.03** Roof Details
 - a. REVISED Blocking
- E. **A4.01** Exterior Elevations
 - a. REVISED Fiber Cement Panel Pattern / Placement
 - b. REVISED Parapet Overflow Nozzles
- F. **A6.01** Door Schedule, Legend, and Notes
 - a. REVISED Hardware Set No.
- G. **A6.02** Door Details
 - a. REVISED Detail Notes
- H. **A6.13** Curtain Wall and Storefront Details
 - a. REVISED Detail Notes
- I. **A7.03** Interior Elevations
 - a. LABELED Elec Panel in C3
- J. **A8.01** Finish Legend
 - a. REVISED Walk Off Mat
- K. **A8.02** Finish Schedule
 - a. REVISED Room Finish Schedule - 102B TLT
- L. **A8.51** Signage
 - a. REMOVED A1, A8, A10 Signage Types
- M. **M0.01** Schedules and Legend – HVAC
 - a. REVISED RTU Schedule
 - b. REVISED Fan Schedule
 - c. REVISED ERU Heat Pump Schedule
 - d. REVISED VRF Outdoor Unit Schedule
 - e. REVISED Louver Schedule
- N. **M0.02** Schedules & OSA Schedules – HVAC
 - a. REVISED ERU Schedule
 - b. REVISED Mini Split Schedule
- O. **M1.01** Floor Plan L1 – HVAC Ductwork
 - a. DELETED CO2 Detector for AHU 1, 2, 3 & 4
 - b. ADDED CO2 Detector for ERU-1
 - c. REVISED Return airflow to grille in Lobby
 - d. ADDED Keyed Note #3
- P. **M1.03** Roof Plan – HVAC
 - a. ADDED Keyed Note #3
- Q. **M2.02** Floor Plan L2 – HVAC Piping
 - a. REVISED Refrigerant piping from AC-4 to BC-1

- b. ADDED Condensate drain piping to BC-1 & BC-2
- R. **M5.02** Details – HVAC
 - a. DELETED Pipe hanger detail
- S. **P0.01** Legends Notes and Schedules – Plumbing
 - a. ADDED SH-3 to Schedule
- T. **P1.03** Floor Plan L2 – Plumbing
 - a. REMOVED ROFs from Level 2 due to no parapet
- U. **P1.04** Roof Plan – Plumbing
 - a. REMOVED ROFs from Roof due to no parapet
- V. **P3.01** Partial Floor Plans – Plumbing
 - a. ADDED two new SH-3's and their cold water connections located outside, near the pool equipment and services room 130
- W. **E2.04** Level 2 HVAC Electrical Plan
 - a. REVISED HP-2
- X. **E5.01** Panelboard Schedules
 - a. REVISED HP-2 Circuits
- Y. **E6.04** Lighting Fixture Schedule
 - a. REVISED L17 & L17E Lighting Fixtures

AD2-4 MISCELLANEOUS:

- A. Not Applicable

AD2-5 ATTACHMENTS:

- A. RFI Log Addendum 02
- B. Revised Specification Section 22 0440
- C. Drawings Listed Above

END OF ADDENDUM NUMBER 02

PREPARED BY

GMC

2400 5th Avenue S, Suite 200 | Birmingham, Alabama 35233
Tel 205.879.4462 | GMCNETWORK.COM
Goodwyn Mills Cawood, LLC.

| Question | ADD # | Response |
|--|-------|---|
| Per the prebid, clarify the city will furnish and deliver dirt to the job site | 1 | Yes, city will furnish and deliver select fill to the project site |
| Provide civil CAD file | 1 | We will not provide CAD file |
| Per the prebid, clarify who is responsible for tap, meter, impact fees | 1 | Sheet C-001 - General Note 15, Section 33 3000 Paragraph 1.2, and Section 33 3000 Paragraph 1.2 indicate that all utility costs shall be paid by the Contractor and included in the bid. NOTE: The Owner/Utility will waive the impact and tap fees ONLY. All other work and materials associated with the sewer and water services shall be provided by the Contractor in the base bid. The Contractor shall coordinate with the Utility regarding an acceptable meter and any required installation details. |
| Per the prebid, clarify if the city will waive the building permit/plan review fees | 1 | Yes, city will waive building permit / plan review fees |
| Per the prebid, clarify that although the project is tax exempt, bidders are to include an occupational tax of 2% | 1 | Yes |
| Please provide the total R value of the roof insulation | 1 | Provide minimum R-25 c.i |
| Please provide the basis of design or brand type for the cement fiber board. | 2 | Please refer to section 07 4300 in the IFB Specs |
| Reference Specification Section 28 78 00, Part 1.01 A: Is the Fire Alarm Contractor the only contractor allowed to conduct the radio signal survey for the Emergency Responder Radio Coverage System? There are other companies that specialize in this scope of work. | 2 | The company testing the emergency responder radio coverage does not have to be the fire alarm contractor, but the testing company needs to have the proper FCC licenses to allow them to test emergency radio systems. |
| A2.02 shows height to baffles to be 26"-4". Is this meant to be 26'-4"? | 2 | 25'- 6" to Bottom of Baffle, see revised A2.02 |
| A6.02 - detail H4 shows honeycomb material above door header. What is this supposed to represent? | 2 | Closed Cell Foam Insulation |
| Please confirm if windows (SF9, 10, 13 & 17) on A6.12 are actually curtainwall? | 2 | SF 9, 10, 13 & 17 are all Storefront |
| Please clarify the square drawn to the left of the concession window with no label shown in detail C3/A7.03 | 2 | See ELEC. |

| Question | ADD # | Response |
|---|-------|--|
| There is no tag for E11 on A7.03 in any of the enlarged drawings on the page. Please indicate where the detail for the on-wall watercooler/drinking fountain is located. | 2 | Refer to Floor Plan - Level 1 on sheet A1.01 |
| The Finish plans show a WOC-1 condition at entry/exits, while the finish legend shows a WOM-1 condition. Is this the same condition? | 2 | Yes, it is same condition. Finish legend has been updated to match |
| Is the WDF-1 condition the same as spec section 096466 Wood Athletic Flooring Assemblies? WDF-1 is not included in Finish Legend. | 2 | WDF - 1 is meant to be WFS - 1, WFS - 1 is referenced in the finish legend |
| On signage type details on A8.51, it shows types A1, A8, & A10. However, there are none of these shown on signage schedule on A8.52. Please clarify if these are included & their quantities & locations. | 2 | Correct, A1, A8, and A10 are not included in the project |
| Detail H3, A7.03 shows full height wall tile, & is also indicated on A8.03 via the red line indicating full height wall tile. Please indicate what finish the other 3 walls are for this restroom. | 2 | The other 3 walls to receive PNT-1 |
| Please indicate what the wall finish is on CMU walls at men's & women's locker rooms 103,105,107, & 109 that are not full height wall tile as indicated by the red lines on A8.03. | 2 | Walls that do not receive tile are to receive PNT-1 |
| Please confirm the Substitution Request deadline for the project is June 22nd & that the Substitution Request Form has to be provided for the consideration to be considered. Spec 000800 states substitution requests can be submitted up to 5 calendars days prior to the bid; AIA A701 Instruction to Bidders states substitutions are to be submitted 10 days prior to the bid. | 2 | Correct, substitution requests can be submitted until 5 days prior |
| Please clarify the RFI deadline for the project. AIA A701 Instructions to Bidders states RFIs are to be submitted 7 days prior to the bid. | 2 | RFI Deadline is 48 hours prior to Bidding - refer to 01 3000, 3.02 A |
| Please confirm if the GC is to pay the Alabama CICT Fee. | 2 | Yes, GC must pay Alabama CICT Fee |
| Please confirm if the owner is to pay for all final & temporary power usage costs. | 2 | Temporary Utilities are Contractor's responsibilities - refer to 01 5000, 1.03 |
| Please confirm if the owner is to pay for all final & temporary power company fees. | 2 | Temporary Utilities are Contractor's responsibilities - refer to 01 5000, 1.04 |
| Please confirm if the owner will pay for the ADEM permit. | 2 | Refer to 31 2500 1.3 B |

| Question | ADD # | Response |
|---|-------|---|
| Please clarify all the staffing requirements for the project. 001700 Supplementary Conditions 3-f states the only requirement is a superintendent with 5 years' experience, Spec 010150 Special Conditions 1.17-B states the only requirement is a superintendent with 7 years' experience, so based on this, no other qualifications are required for any additional staff on the project. We recommend additional staffing requirement be provided for Project Managers & QA/QC Staff Member & any other personnel that the owner & architect deem needed for this project. | 2 | Refer to 01 0150 1.17 for the applicable requirements of all contractor personnel |
| Please confirm if BIM modeling & coordination will be required for the project. | 2 | BIM Modeling and Coordination is not required |
| Please confirm that the substantial completion date will be 425 days from the Owner's official Notice to Proceed. Spec 010150 - 1.02 C doesn't provide a date, but at the pre-bid 425 days was stated on the meeting agenda. Also, please clarify when the notice to proceed will be issued to the awarded GC. | 2 | Correct. Notice to Proceed will be issued approximately 1 week after bidding. Refer to Addendum 01. |
| Please confirm that the liquidated damages are 6% per annum of the total contract amount plus \$250 per day for delay in completion & \$250 after 10 additional days beyond the contract completion date for the reimbursement of architect. | 2 | Refer to Section 01 0150 1.02, section is correct and applicable |
| Please confirm that Procore is the required software for construction management & that all cost associated with this software. | 2 | Procore is not the only possible software, see revised Section 01 3000 |
| Please clarify location of interior mock-up referenced in Spec 014000. The spec references both an exterior & interior mock-up, & to see the drawings for additional information. G1.03 provided information on the exterior mock-up, but no information can be found regarding location of an interior mock-up. | 2 | Interior Mock-Up not required, see revised Spec 01 4000 |
| Please clarify if the owner is to pay for all material & laboratory testing for the project. | 2 | Contractor is responsible for the cost of all required testing except Divisions 3-5 and 31-32 |
| Doors 131 & 203 are missing on the hardware set. Is it understood to apply to opening 131 to "2" and opening 203 to "1" | 2 | See Revised Door Schedule A6.01 |
| On drawing G1.02, division 5. states edge angles, embed plates, and similar to be hot-dipped galvanized. Is this to apply to the slab edge material at composite slabs? | 2 | Yes, apply to edge slab material at composite slab |

| Question | ADD # | Response |
|---|-------|---------------------------------------|
| <p>The following plans listed on the drawings index were not included in the set. Please provide the drawings. If not applicable, please remove from the table of contents.</p> <ul style="list-style-type: none"> L4.02 - HARDSCAPE DETAILS – ALTERNATE L5.02 - LANDSCAPE PLAN – ALTERNATE L7.02 - IRRIGATION PLAN – ALTERNATE M0.05 - OSA SCHEDULES – HVAC M0.06 - OSA SCHEDULES – HVAC M0.07 - OSA SCHEDULES – HVAC M1.00 - SITE PLAN – HVAC M4.01 - PIPING DIAGRAMS – HVAC M4.02 - PIPING DIAGRAMS – HVAC M6.02 - CONTROLS - HVAC | 2 | <p>Refer to revised Drawing Index</p> |
| <p>Please confirm the following drawings not included on the drawings index are applicable to the project.</p> <ul style="list-style-type: none"> C102 - ALTERNATE SITE LAYOUT PLAN C202 - ALTERNATE GRADING PLAN C602 - ALTERNATE EROSION AND SEDIMENT CONTROL PLAN A1.21 - PLAN DETAILS A1.22 - PLAN DETAILS A2.04 - RCP PLAN DETAILS A3.02 - ROOF DETAILS E2.05 - UPPER ROOF HVAC ELECTRICAL PLAN | 2 | <p>Refer to revised Drawing Index</p> |

SECTION 22 0440
PLUMBING FIXTURES

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Plumbing fixtures.
- B. Plumbing miscellaneous equipment.

1.2 RELATED SECTIONS

- A. Section 220401 – Basic Plumbing Requirements.
- B. Section 220403 – Basic Plumbing Materials and Methods.
- C. Section 220405 – Identification for Plumbing Piping and Equipment.
- D. Section 220407 – Plumbing Systems Insulation.
- E. Section 220410 – Plumbing Piping.

1.3 SUBMITTALS FOR REVIEW

- A. See Section 220401, Submittal for Review.
- B. Plumbing Product Data: Provide catalog illustrations of fixtures, sizes, rough-in dimensions, trim and finishes.

1.4 SUBMITTALS AT PROJECT CLOSEOUT

- A. Refer to Division 01 and Section 220401 – Submittals for Project Closeout.
- B. Maintenance Data: Provide 3 sets of manufacturer's maintenance and parts listing including the manufacturers nearest sales and service representative. Include the sales representative's address and telephone number. Provide with the listing, a suggested maintenance schedule for all equipment along with warranty dates. Items are to be provided in three ring binders with tabs identifying different equipment types.
- C. Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with minimum three years' experience.

1.6 REGULATORY REQUIREMENTS

- A. Products Requiring Electrical Connection: Listed and classified by Underwriters Laboratories Inc., as suitable for the purpose specified and indicated.

1.7 DELIVERY, STORAGE AND PROTECTION

- A. Accept fixtures on site in factory packaging, inspect for damage and store.
- B. Protect installed fixtures from damage by securing areas and by leaving factory packaging in place to protect fixtures and prevent use.

1.8 WARRANTY

- A. See other sections of the specification for additional warranty information.
- B. The Contractor shall warrant all materials, workmanship and equipment for a period of one year from the date of substantial completion. Any defect in equipment or workmanship shall be made known to the Contractor within 1 year. Such deficiencies shall be corrected by the Contractor at no cost to the Owner.

1.9 EXTRA MATERIALS

- A. See other sections of the specification for additional extra material requirements.
- B. Provide two sets of cartridges or washers for all faucet types, two flush valve repair kits for all flush valve type and one loose key for each hose bibb or wall hydrant.

PART 2 - PRODUCTS

2.1 DRAINS

- A. Mechanical Room Floor Drains (MFD): Mifab #1340-5 with sediment bucket. Provide deep seal trap, trap guard and coordinate exact location with HVAC equipment. Insulate suspended drain body and all horizontal piping serving mechanical floor drain until piping turns vertical.
- B. Roof Drain (RD): Zurn Z100, complete with underdeck clamp and cast iron or aluminum dome. Provide 4" high, 1/16" thick perforated stainless steel gravel stop around dome.
- C. Roof Overflow (ROF): Terminate open pipe 3" above finish roof. Flashing same as V.S.T.R.
- D. Downspout Nozzle (DS): Zurn Z199-DC complete with wall flange and bird screen in opening. Securely anchor flange to wall and caulk water tight.
- E. Floor Drain (FD) and Shower Drain (SD): Mifab 1100-C-1 with 6" nickel bronze reinforced grate. Provide trap guard on floor drains and deep seal trap.
- F. Floor Sink (FS): Mifab FS1750-175, 8" diameter, 6" deep porcelain enameled cast iron interior with three (3) quarter cast iron porcelain enameled grate and dome bottom strainer.
- G. Hub Drain (HD): Open pipe with Jay R. Smith 3951 or 3955 fixed air gap fitting.
- H. Trap Guard (TG): J.R. Smith #2692 quad close "stink stopper" trap seal device.

2.2 WALL HYDRANT

- A. J.R. Smith #5519 ASSE 1052 listed wall hydrant, with integral backflow preventer, latching cover, freeze-proof and all bronze box. Provide casing of sufficient length in order that valve seat be on building side of exterior wall insulation. Install with center line 24" above finish grade and provide Owner with one (1) loose key for each wall hydrant.

2.3 HOSE BIBB

- A. HB-1 Finished areas (in wall): J.R. Smith #5618 narrow wall hydrant, all bronze with integral vacuum breaker, and loose key.

2.4 ROOF HYDRANT

- A. Woodford Model RHY2-MS freezeproof roof hydrant with dual check back flow preventer, hydrant support and boot cover, under deck flange with mounting bolts and water connection with no drain required.

2.5 CLEANOUTS

- A. Furnish and install cleanouts where indicated on drawings and at all 90-degree bends, angle, upper terminals and not over 75 feet apart on straight runs. All cleanouts on cast iron piping to have bronze countersunk tapered slotted plugs, except PVC waste piping cleanouts, which shall be standard of piping system used. Flush-with-floor cleanout access covers shall have non-skid covers. All wall cleanout access covers shall have polished satin finish. All cleanouts shall be full size of pipe, piping larger than 6" shall have minimum 6" cleanout covers.
- B. Exposed Cleanouts: Cast brass plug type, J.R. Smith #4470.
- C. Wall type cleanout plug and access covers, J.R. Smith #4472. Cleanout plug must be within 1" of finish wall and must be tapped for access cover.
- D. Install wall cleanouts on stacks at flush valve fixtures 12" above top of flush valve, 12" above top of flush tanks, 12" above finish floor on sinks, lavatories and water coolers and 12" above grab bars at fixtures with grab bars. Locate cleanouts to clear baseboard at floor.
- E. Floor type cleanout access covers: J.R. Smith #4248-NB. Plug must be within 3" of finished floor. Provide J.R. Smith #4188 where installed in terrazzo floors and J.R. Smith #4168 where located in floor with asphalt or vinyl tile covering. Grout cleanout below access cover to seal watertight. Provide option "Y" cleanout carpet markers where installed in carpeted floors.
- F. Floor type cleanout covers for acid waste piping: J.R. Smith #4940.
- G. Outside Cleanouts: J.R. Smith #4258 cleanout access encased in a 18" X 18" X 6" deep concrete pad. See Detail on Drawings.

2.6 PLUMBING FIXTURES AND EQUIPMENT

- A. Unless otherwise specified, all fixtures complete as catalogued, commercial grade, white color, exposed metal trim chromium plated.
- B. Fixtures and brass shall be securely anchored. Carriers shall be securely anchored to floor with lug bolts in all holes as recommended by the manufacturer.
- C. Flush valve "YJ" supports shall be installed 1 inch below vacuum breaker on all water closet flush valves and around vacuum breaker on urinal flush valves. Handles on A.D.A. water closets to be installed on wide side of room or stall.
- D. Seal wall hung fixtures at wall with white silicone sealant. Seal countertop fixtures with clear silicone sealant.
- E. Seal floor mounted water closets to floor with white silicone sealant.
- F. Mount all fixtures at standard mounting height unless otherwise noted.
- G. All faucets to be furnished with ceramic discs.
- H. Furnish sinks and lavatories with correct number of drillings required for the faucet and accessories. Hole covers are not acceptable.
- I. All similar products shall be by the same manufacturer.
- J. All fixtures noted to be A.D.A. approved must be set with great care to assure proper mounting height and proper distance from wall.
- K. All items complete as catalogued as follows:

| | |
|----------------------------------|---|
| WC-1 Water Closet: | Wall Hung - Kohler K-84325 complete, Sloan Regal #111-1.6 SFSM flush valve with YJ bracket, Church "Dura Guard" model #2155SSCT seat and J.R. Smith Series 100 or 200 carrier and fitting. |
| WC-2 Water Closet: | Wall Hung - Kohler K-84325 complete, Sloan Regal #111-1.6 SFSM flush valve with YJ bracket, Church "Dura Guard" Model #2155SSCT seat, and J.R. Smith Series 100 or 200 carrier and fitting. Mount with rim at 17" above finish floor. Must meet A.D.A. |
| WC-3 Water Closet: | Floor Mounted - Kohler K-96057 complete, Sloan Regal #111-1.6 SFSM flush valve with YJ bracket and Church "Dura Guard" Model #2155SSCT seat. Must meet A.D.A. |
| UR-1 Urinal: | Wall Hung – Kohler K-5016-ET complete, Sloan ECOS 8186-0.5 Sensor flush valve with YJ bracket, J.R. Smith #637 fixture support. |
| UR-2 Urinal: | Wall Hung - Kohler K-5016-ET complete, Sloan ECOS 8186-0.5 Sensor flush valve with YJ bracket, J.R. Smith #637 fixture support with lip 17" above finish floor. Must meet A.D.A. |
| LAV-1 Lavatory: | Countertop - Kohler K-2196 complete Sloan SF-2150 battery sensor faucet w/ 0.5 gpm aerator faucet, McGuire 155A outlet with tailpiece, McGuire 165 stops with supplies and McGuire 8872C P-Trap. Insulate P-trap, stops and supplies with McGuire ProWrap insulator kit. Provide TMV-1 with wall bracket installed below bowl. Must meet A.D.A. |
| LAV-3 LAV-2 Lavatory: | Wall Hung - Kohler K-2030 (20" X 18") complete, Sloan SF-2150 battery sensor faucet w/ 0.5 gpm aerator faucet, McGuire 155A outlet with tailpiece, |

| | |
|------------------------------------|---|
| | Zurn Z1231EZ-WL fixture support, McGuire 165 stops with supplies and McGuire 8872C P-Trap. Insulate P-trap, stops and supplies with McGuire ProWrap insulator kit and install with rim at 31" above finish floor. Provide TMV-1 with wall bracket installed below bowl. Set hot water temperature at 109 deg F. |
| EWC-1 Electric Water Cooler: | Elkay #EZSTL8WSLK bi-level water cooler with sensor activated bottle filling station with all stainless steel cabinet and waterways that are manufactured of 100% lead free material, J.R. Smith #834 fixture support, McGuire 8912C P-Trap and McGuire 165 stop with supply. Fully insulate P-Trap with McGuire ProWrap insulator. Install with lower spout outlet maximum 36" AFF. Must meet A.D.A. |
| JC-1 Janitors Receptor: | Stern Williams #HL-1800 (24" X 24") complete, T-35 hose with wall hook, stainless steel backsplash and T&S Brass B-0665-BSTR faucet with integral stops and spring checks. |
| SK-1 Sink: | Elkay LR2219, LK-35 strainer, T&S Brass B-2865: Gooseneck, separate faucet, and handles faucet, McGuire 8912C P-Trap and McGuire 165 stops with supplies. |
| SK-2 Sink: | Elkay LR3319, LK-35 strainers T&S Brass B-2865: Gooseneck, separate faucet, and handles faucet with, McGuire 111 waste, McGuire 8912C P-Trap and McGuire 165 stops with supplies. |
| SH-1 Shower Valve | Delta Model T13291 pressure balanced mixing valve with integral checks, field adjustable handle rotation handle, #RP38357 Shower Head, arm over and flange. |
| SH-2 Shower Valve | Delta Model T13H332 pressure balanced mixing valve with, integral checks, field adjustable handle rotation, #3 Shower head, arm over and flange, Hand shower with 24" stainless steel bar with slide for hand shower. Delta model R10700-UNWS forged brass diverted valve |
| <i>SH-3 Outdoor Shower:</i> | <i>Stern Williams 6300 outdoor body and foot shower complete with access plates and valve box with valve and plugged tee for drain down. Provide with SMP-6 surface mounting plate. Color of body to be selected by architect.</i> |
| TMV-1 Thermostatic Mixing Valve: | Leonard Model 170D-LF Thermostatic mixing valve, installed in the "H" position with bracket secured to wall under all public and ADA lavatories. Valve must meet the minimum flow rate of .25 gpm. Set hot water temperature at 109 deg F and pipe as detailed on drawings. Must meet ASSE 1070. |
| CM-1 Coffee Maker: | Furnished and installed under another Section. Provide in wall above the countertop a Brasscraft KTCR19 1/4 turn angle ball stop, escutcheon plate |

| | |
|------------------------------|---|
| | and 10 feet of 1/4" soft copper for connection to coffee maker. |
| IM-1 Ice Maker: | Furnished and installed under another Section, rough and connect complete. Provide ball valve stop on supply and pipe waste(s) to floor sink. Provide Watts 9D on cold water supply if required by Local Codes. Pipe relief full size to floor sink. |
| WMB-1 Washing Machine Box: | Sioux Chief Ox Box 6962313MF with water hammer arrestors. |
| EWB-1 Electric Water Heater: | Lochinvar JER-20 SCF with a storage capacity of 20 gallons. Set with outlet temperature of 125 deg F. Provide P & T relieve valve and install as detailed on Drawings. 2.5KW, 120/1/60. Verify voltage with Electrical Section. Provide with Holdrite Quick Stand floor stand 40-S-22-A or Quick Stand wall mounted platform 50-SWHP-W on platform. |
| GWH-1 Gas Water Heater: | Lochinvar Shield SWR200N, complete with all standard accessories plus vent kit, condensate neutralization kit, and P&T relief valve. Heater shall be capable of raising 232 gallons of hot water from 40 deg F to 140 deg F per hour. 199,000 BTU/hr input. Install as detailed on Drawings. |
| ET-1 Expansion Tank: | Amtrol Therm - X-Trol #ST-5 expansion tank. Pre-charged, with all wetted internal parts being FDS approved. Isolation between water and air shall be by a Butyl Diaphragm. Provide with 5-year warranty. |
| RCP-1 Circulator Pump: | Grundfos Model Alpha HWR 15-55 SF. All Bronze. Provide with internal digital timer. |

2.7 ELEVATOR SUMP PUMP

- A. ESP-1 Elevator Sump Pump (Traction Elevator Pit, Single Shaft): Liberty Model # ELV280 system complete submersible 0.5 hp pump, control panel and leads of sufficient length to reach from pump to control box unbroken. Provide a 4" PVC conduit through wall between elevator and control panel. Install wiring through conduit and seal providing a 2-hour water tight closure. 115/1/60. See detail on Drawings.

2.8 ACCEPTABLE MANUFACTURERS

- A. Where Kohler is listed above, Toto, Zurn, Mansfield, or American Standard may be substituted.
- B. Where Sloan is listed above, Delaney, Toto and Zurn may be substituted.
- C. Where J. R. Smith is listed above, Josam, Zurn, Mifab, Watts, Jones Stephens or Wade may be substituted.
- D. Where Elkay water coolers are mentioned above, Halsey Taylor, Oasis, Acorn, or Aqua may be substituted, only if water ways are constructed of totally lead free materials.
- E. Where Grundfos is listed above, the equal of B & G, Hyfab, ITT-Bell & Gossett, Taco, Armstrong, or Thrush may be substituted.
- F. Where Elkay or Franke sink(s) are listed above, Just or Advance Tabco may be substituted.
- G. Where Church is listed above, Bemis, Beneke, Centoco, Olsonite or Comfort Seats may be substituted.
- H. Where Leonard is listed above for shower control valves, Delta, Speakman, Symmons, Powers, Acorn, Moen Commercial, or Zurn may be substituted.
- I. Where T&S Brass is listed above, Chicago, Speakman, Kohler, Royal, Cambridge, Moen Commercial, or Zurn may be substituted, provided manufacturer can furnish all fixture brass specified.

- J. Where Lochinvar Shield water heaters are listed above, A.O. Smith “Cyclone”, Rheem “Spider Fire”, or HTP “The Phoenix” may be substituted.
- K. Where Stern Williams is listed above, Acorn, Fiat, Mustee, or Florestone may be substituted.
- L. Where McGuire is listed above for traps, supplies and stops, Kohler, Crane, Eljer, Zurn, Dearborn, or American Standard may be substituted.
- M. Where J.R. Smith trap guards are listed above, ProSet and Sureseal may be substituted.
- N. Where Chicago is listed above for T&P shower valves, Leonard, Powers, Acorn or Lawler may be substituted.
- O. Where McGuire ProWrap is listed above, "Handi Lav-Guard" by Truebro, "Trap-Wrap" by Brocar Industries, Inc., Dearborn, or Plumberex may be substituted.
- P. Where Amtrol is listed for expansion tanks, John Wood, Watts, ITT-Bell & Gossett, Elbi, or Armstrong may be substituted.
- Q. Where Liberty is listed above, Stancor, Bell & Gossett or See Water may be substituted.
- R. Where J.R. Smith is listed for wall hydrants; Woodford, Zurn, Josam, Watts, or Mifab may be substituted.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Verify all electrical characteristics of electrical motors, starters and equipment with Electrical Drawings. Should the Contractor change the characteristics of the electrical equipment, it shall be the responsibility of the Contractor to coordinate all changes with the other trades and bear all costs of such changes.
- B. Coordinate all cutouts in millwork and casework with supplier for proper cutout dimensions.
- C. Install all fixtures and equipment in accordance with manufacturer's recommendations.
- D. All wall hung fixtures are to be installed on floor mounted fixture supports. Fixture supports are to be anchored to floor with anchors in all mounting holes. Anchors to be sized as per the manufacturer’s recommendations. Seal all fixtures to walls and floor with white silicone sealant. Seal all sinks to counter tops with clear silicone sealant.
- E. Adjust all stops, flush valves, and valves for intended water flow rate.
- F. Clean plumbing fixtures and equipment and remove tags.
- G. Install all electric water heaters with clearance for removal of heating elements.
- H. Provide backing in wall for flush valve YJ brackets, faucet supports, etc. Anchor to the backing with anchoring screws of sufficient length to penetrate backing. See Section 220410, Part 3.
- I. Provide stops with chrome-plated nipples penetrating wall and cover penetrations with chrome-plated escutcheons. Note: Compression type stops and plastic stems are not acceptable.

END OF SECTION

DRAWING INDEX

Table with columns: DWG. NO., DRAWING NAME, ORIG. DATE, ORIGINAL ISSUE NAME, REV. DATE, CURRENT REVISION NAME. Rows include categories like 0.0 GENERAL, 1.0 CIVIL, 2.0 LANDSCAPE, 3.0 ARCHITECTURE, 4.0 STRUCTURAL.

DRAWING INDEX

Table with columns: DWG. NO., DRAWING NAME, ORIG. DATE, ORIGINAL ISSUE NAME, REV. DATE, CURRENT REVISION NAME. Rows include categories like 5.0 MECHANICAL, 6.0 PLUMBING, 6.5 FIRE PROTECTION, 7.0 ELECTRICAL, 8.0 POOL SERVICES.

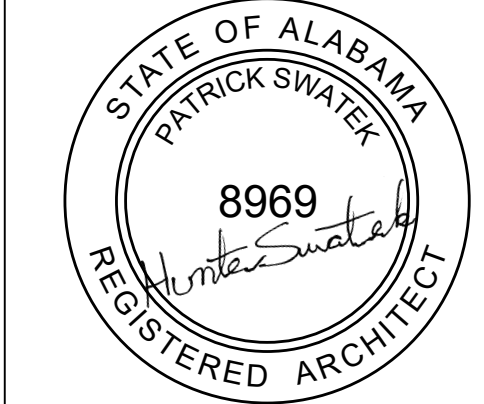
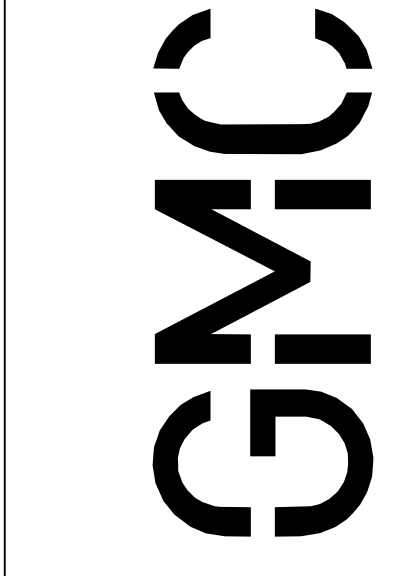
151

DRAWING INDEX

RAINBOW CITY RECREATION CENTER
RAINBOW CITY, ALABAMA

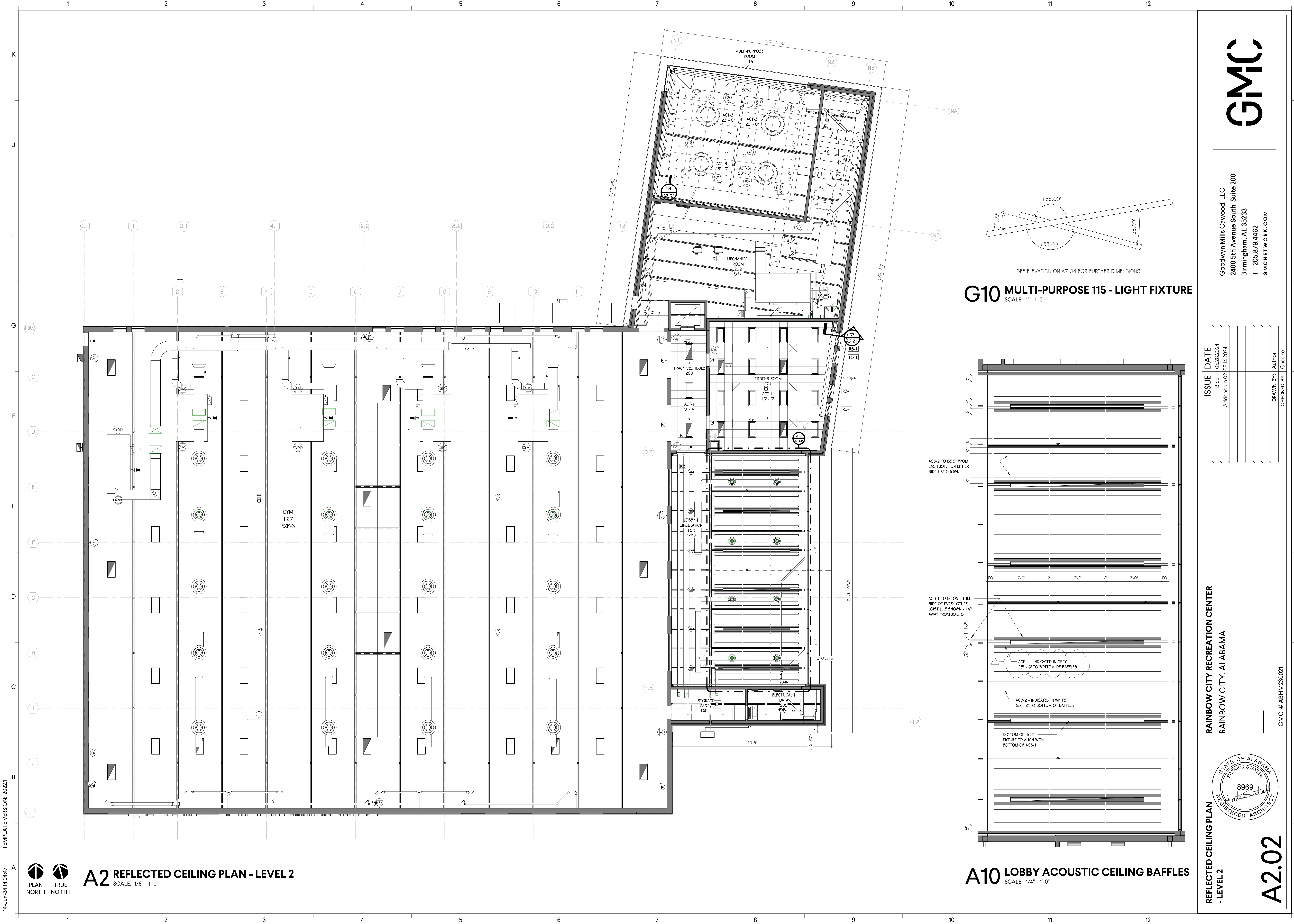
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Goodwyn Mills Caswood, LLC
2400 5th Avenue South, Suite 200
Birmingham, AL 35233
T 205.879.4462
GMCNETWORK.COM

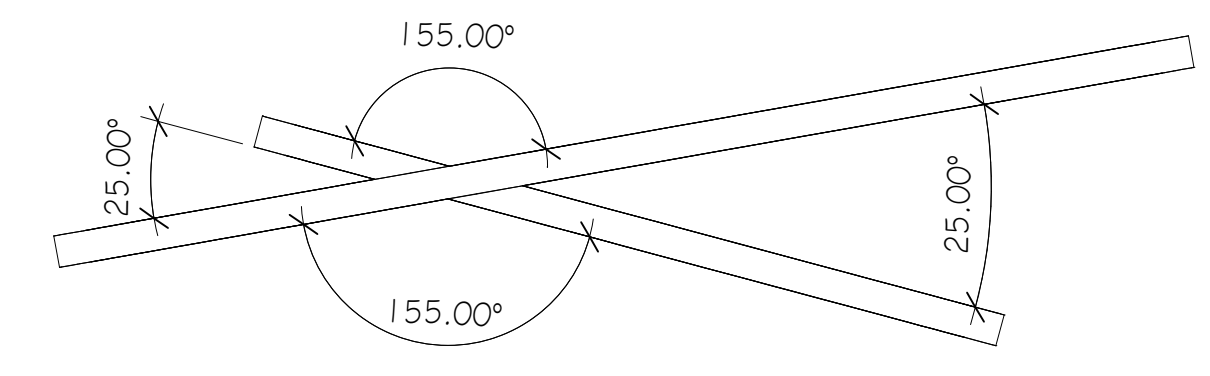


G1.01

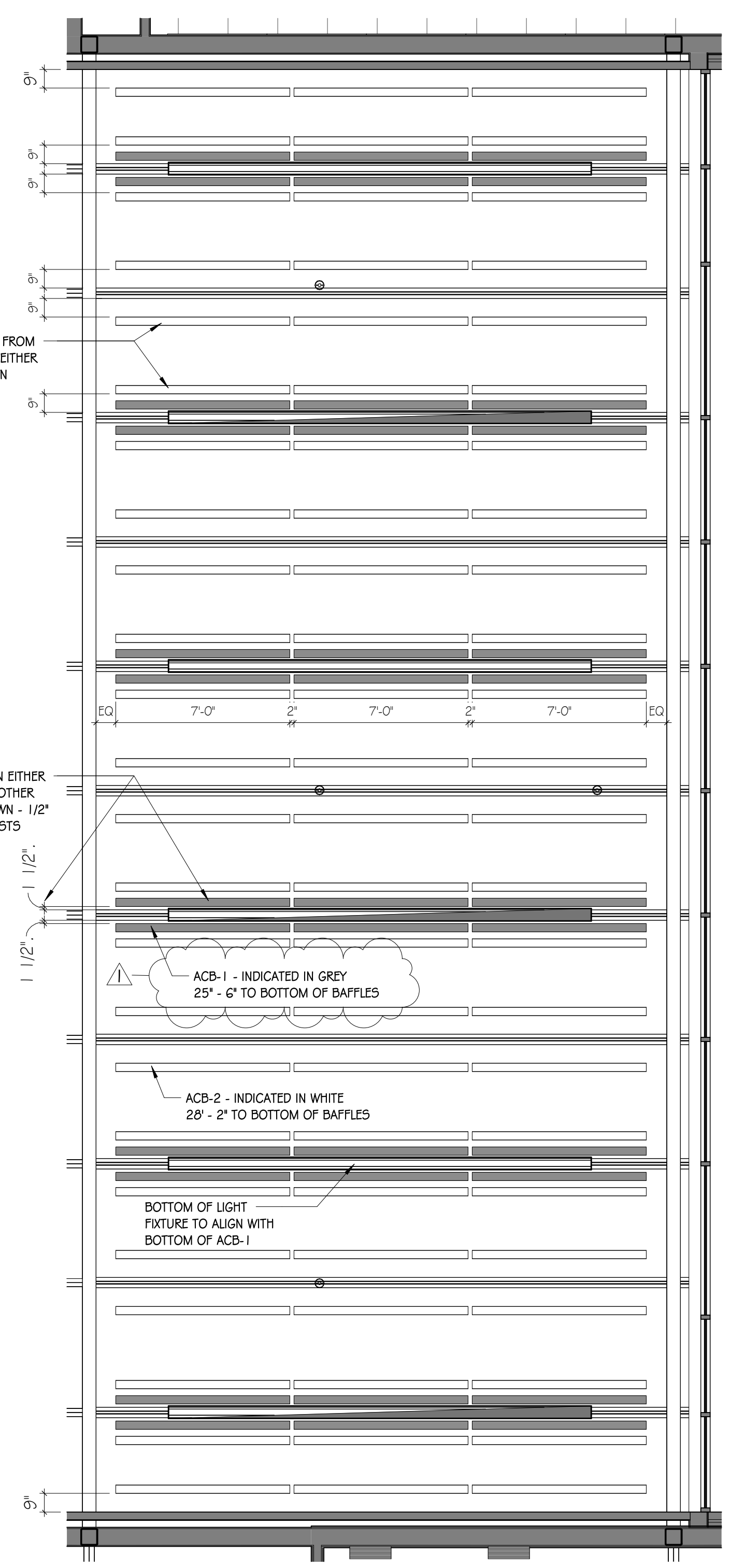
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G10 MULTI-PURPOSE 115 - LIGHT FIXTURE
SCALE: 1" = 1'-0"

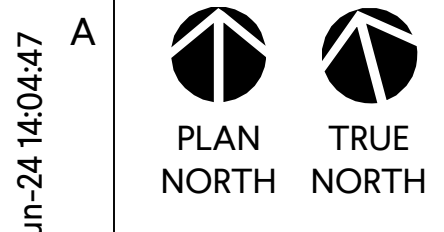


SEE ELEVATION ON A7.04 FOR FURTHER DIMENSIONS



A10 LOBBY ACOUSTIC CEILING BAFFLES
SCALE: 1/4" = 1'-0"

A2 REFLECTED CEILING PLAN - LEVEL 2
SCALE: 1/8" = 1'-0"



14-Jun-24 14:04:47 TEMPLATE VERSION: 2023.1

GMC

Goodwyn Mills Cawood, LLC
2400 5th Avenue South, Suite 200
Birmingham, AL 35233
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| ISSUE | DATE |
|-------------|------------|
| IFB SET | 05/28/2024 |
| Addendum 02 | 06/14/2024 |

DRAWN BY: Author
CHECKED BY: Checker

RAINBOW CITY RECREATION CENTER
RAINBOW CITY, ALABAMA

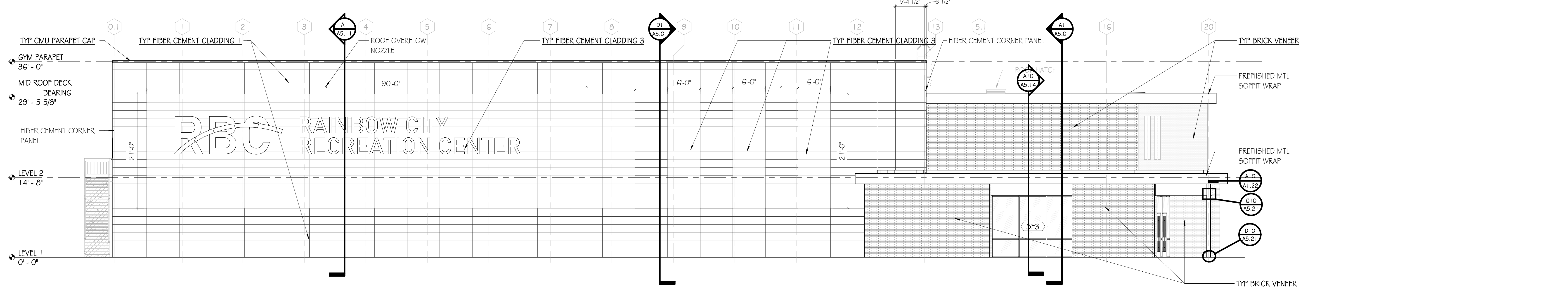
STATE OF ALABAMA
PATRICK SWATER
8969
REGISTERED ARCHITECT

GMC # ABHM230021

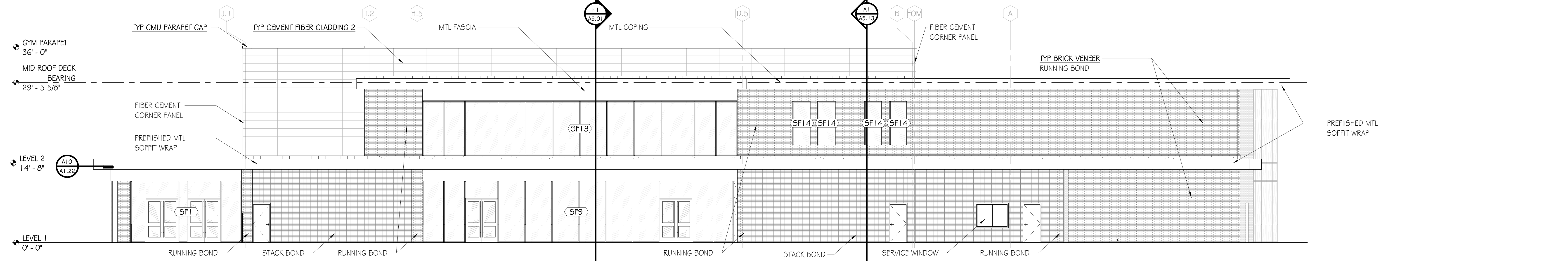
A2.02

REFLECTED CEILING PLAN
- LEVEL 2

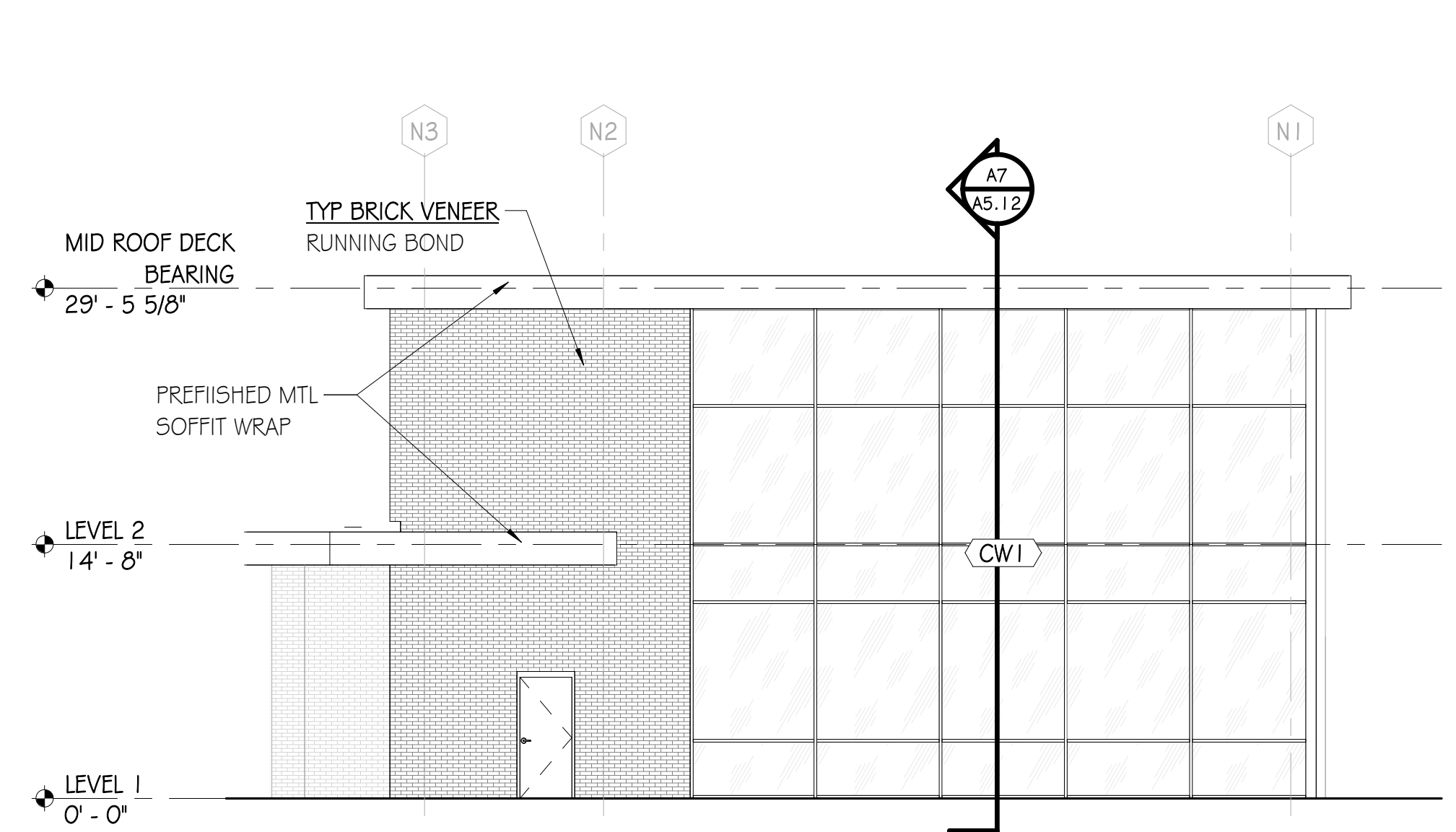
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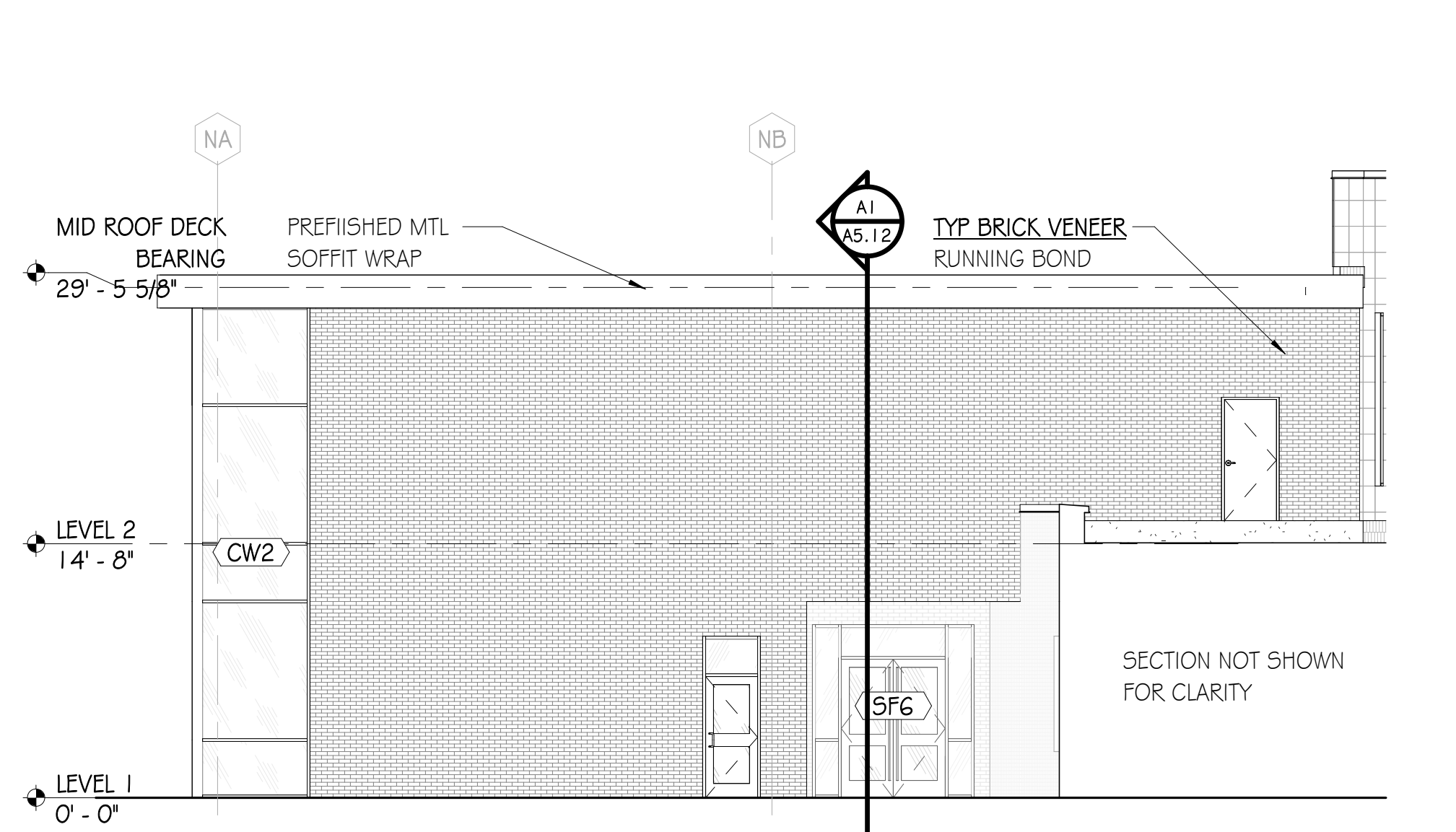
J1 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



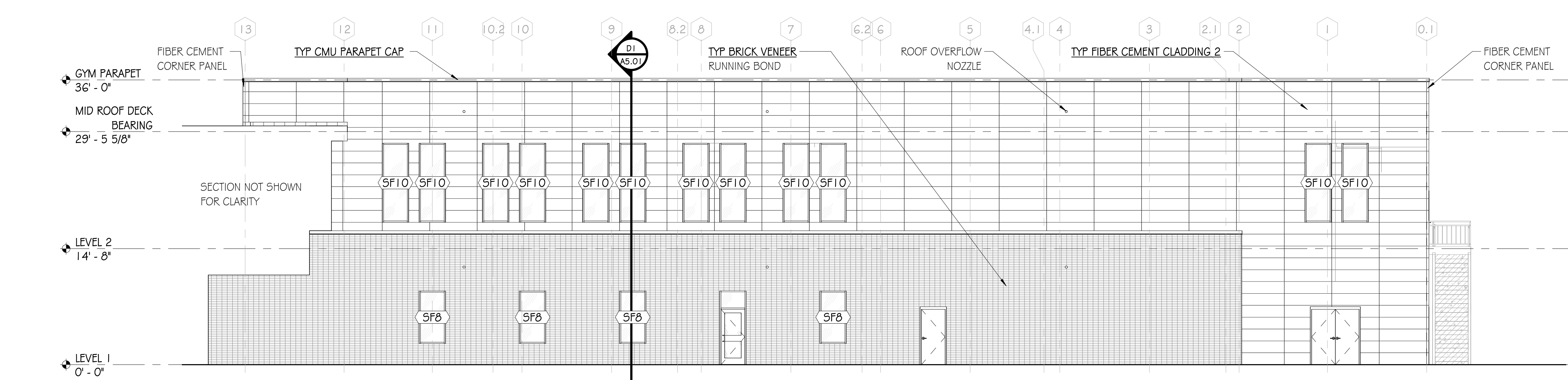
F1 EAST ELEVATION
SCALE: 1/8" = 1'-0"



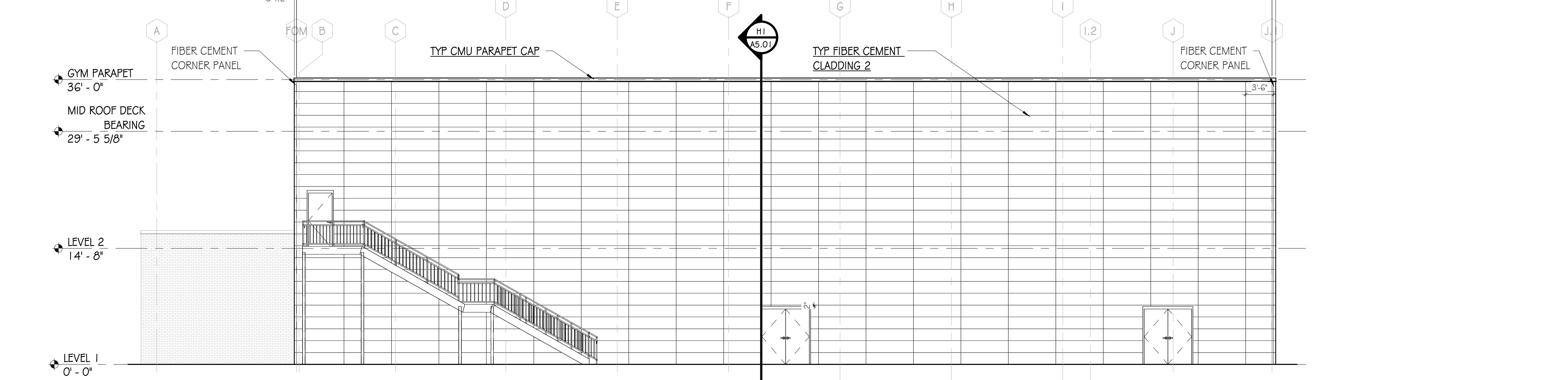
D1 NORTH ELEVATION - MULTI-PURPOSE
SCALE: 1/8" = 1'-0"



A1 WEST ELEVATION - MULTI-PURPOSE
SCALE: 1/8" = 1'-0"



D5 NORTH ELEVATION
SCALE: 1/8" = 1'-0"



A5 WEST ELEVATION
SCALE: 1/8" = 1'-0"

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CHECKED BY: Checker

RAINBOW CITY RECREATION CENTER
RAINBOW CITY, ALABAMA

GMC # ABHM230021

EXTERIOR ELEVATIONS

STATE OF ALABAMA
PATRICK SWATER
8969
Home Swater
REGISTERED ARCHITECT

A4.01

DOOR SCHEDULE

| DOOR NUMBER | LOCATION | SIZE | | | DOOR | | FRAME | | HARDWARE | | | | DETAILS | | | NUMBERED NOTES | | | |
|-------------|---------------------------|-------|-------|--------|-----------|-------|----------------------|------------|----------|------------|------------------|-----------|---------------------|----------------|-----------|----------------|--------|------|-------------|
| | | WIDTH | HT | THK | DOOR TYPE | MATL | GLASS OR LOUVER TYPE | FRAME TYPE | MATL | GLASS TYPE | HARDWARE SET NO. | HOLD OPEN | ERE ALARM INTERFACE | ACCESS CONTROL | HEAD | | JAMB | SILL | FIRE RATING |
| 100A | VESTIBULE | 6'-0" | 8'-0" | 1 3/4" | FG2 | AL/GL | IG1 | SF | AL | AL-08 | | | | A1/A6.03 | A1/A6.03 | A1/A6.02 | | | 04:07;10 |
| 100B | VESTIBULE | 6'-0" | 8'-0" | 1 3/4" | FG2 | AL/GL | IG1 | SF | AL | AL-09 | | Y | | A1/A6.03 | A1/A6.02 | A1/A6.02 | | | 03:04;07;10 |
| 101A | RECEPTION | 6'-0" | 8'-0" | 1 3/4" | FG2 | AL/GL | G1 | SF | AL | AL-01 | | | | H1/A6.03 | E1/A6.03 | | | | 04:06;10 |
| 101B | RECEPTION | 6'-0" | 8'-0" | 1 3/4" | FG2 | AL/GL | G1 | SF | AL | AL-01 | | | | H1/A6.03 | E1/A6.03 | | | | 04:06;10 |
| 102A | OFFICE | 3'-0" | 7'-0" | 1 3/4" | FG | WD | G1 | F1 | HM | 15 | | | | J6/A6.03 | F6/A6.03 | | | | |
| 102B | TLT | 3'-0" | 7'-0" | 1 3/4" | F | WD | | F1 | HM | 19 | | | | J6/A6.03 | F6/A6.03 | | | | |
| 103A | CORRIDOR | 3'-0" | 7'-0" | 1 3/4" | F | WD | | F13 | HM | 17 | | | | J8/A6.03 | F8/A6.03 | | | | |
| 103B | WOMENS LOCKER ROOM | 3'-0" | 7'-0" | 1 3/4" | F | WD | | F13 | HM | 17 | | | | J10/A6.03 | F10/A6.03 | | | | |
| 105A | CORRIDOR | 3'-0" | 7'-0" | 1 3/4" | F | WD | | F13 | HM | 17 | | | | J8/A6.03 | F8/A6.03 | | | | |
| 105B | WOMENS LOCKER ROOM | 3'-0" | 7'-0" | 1 3/4" | F | HM | | F13 | HM | 08 | | | | H1/A6.02 | F1/A6.02 | A4/A6.02 | | | 07 |
| 106A | LOBBY & CIRCULATION | 6'-0" | 8'-0" | 1 3/4" | FG2 | AL/GL | IG1 | SF | AL | AL-06 | | | | A1/A6.03 | A1/A6.03 | A1/A6.02 | | | 04:07;10 |
| 106B | LOBBY & CIRCULATION | 6'-0" | 8'-0" | 1 3/4" | FG2 | AL/GL | IG1 | SF | AL | AL-06 | | | | A1/A6.03 | A1/A6.03 | A1/A6.02 | | | 04:07;10 |
| 107A | CORRIDOR | 3'-0" | 7'-0" | 1 3/4" | F | WD | | F13 | HM | 17 | | | | J8/A6.03 | F8/A6.03 | | | | |
| 107B | MENS LOCKER ROOM | 3'-0" | 7'-0" | 1 3/4" | F | WD | | F13 | HM | 17 | | | | J10/A6.03 | F10/A6.03 | | | | |
| 109A | CORRIDOR | 3'-0" | 7'-0" | 1 3/4" | F | WD | | F13 | HM | 17 | | | | J8/A6.03 | F8/A6.03 | | | | |
| 109B | MENS LOCKER ROOM | 3'-0" | 7'-0" | 1 3/4" | F | HM | | F13 | HM | 08 | | | | H1/A6.02 | F1/A6.02 | A4/A6.02 | | | 07 |
| 111A | CONCESSION | 3'-0" | 7'-0" | 1 3/4" | F | WD | | F1 | HM | 12 | | | | J6/A6.03 | F6/A6.03 | | | | |
| 111B | CONCESSION | 3'-0" | 7'-0" | 1 3/4" | F | HM | | F1 | HM | 04 | | | | H4/A6.02 | E4/A6.02 | A4/A6.02 | | | |
| 111C | CONCESSION | 8'-0" | 4'-4" | 5/8" | RC | | | | | 27 | | | | D10/A6.03 | A10/A6.03 | A7/A6.03 | | | 01; |
| 112A | CONCESSION | 4'-0" | 7'-0" | 0" | | | | F5 | HM | 26 | | | | J4/A6.03 | F4/A6.03 | | | | 02; |
| 112B | CATERING KITCHEN | 3'-0" | 7'-0" | 1 3/4" | F | WD | | F1 | HM | 16 | | | | J6/A6.03 | F6/A6.03 | | | | |
| 113 | STORAGE | 3'-0" | 7'-0" | 1 3/4" | F | WD | | F1 | HM | 10 | | | | J6/A6.03 | F6/A6.03 | | | | |
| 114 | RISER ROOM | 3'-0" | 7'-0" | 1 3/4" | F | HM | | F1 | HM | 05 | | | | H4/A6.02 | E4/A6.02 | A4/A6.02 | | | |
| 115A | MULTI-PURPOSE ROOM | 6'-0" | 8'-0" | 1 3/4" | FG | AL/GL | G1 | SF | AL | AL-02 | | | | H1/A6.03 | E1/A6.03 | | | | 04:07;10 |
| 115B | MULTI-PURPOSE ROOM | 3'-0" | 7'-0" | 1 3/4" | FG2 | AL/GL | IG1 | SF | AL | AL-05 | | | | A1/A6.03 | A1/A6.03 | A8/A6.02 | | | 05;07; |
| 116A | CORRIDOR | 6'-0" | 8'-0" | 1 3/4" | FG2 | AL/GL | G1 | SF | AL | AL-01 | | | | H1/A6.03 | E1/A6.03 | | | | 04:06;10 |
| 116B | VESTIBULE | 6'-0" | 8'-0" | 1 3/4" | FG2 | AL/GL | IG1 | SF | AL | AL-09 | | Y | | A1/A6.03 | A1/A6.03 | A1/A6.02 | | | 03:04;07;10 |
| 117 | TLT | 3'-0" | 7'-0" | 1 3/4" | F | WD | | F1 | HM | 19 | | | | J6/A6.03 | F6/A6.03 | | | | |
| 118 | CONF | 3'-0" | 7'-0" | 1 3/4" | FG | WD | G1 | F1 | HM | 09 | | | | J6/A6.03 | F6/A6.03 | | | | |
| 119A | CORRIDOR | 3'-0" | 7'-0" | 1 3/4" | FG | WD | G1 | F1 | HM | 25 | | Y | | J6/A6.03 | F6/A6.03 | | | | 03:04;06 |
| 119B | CORRIDOR | 3'-0" | 7'-0" | 1 3/4" | FG2 | AL/GL | IG1 | SF | AL | AL-07 | | Y | | A1/A6.03 | A1/A6.03 | A8/A6.02 | | | 03:05;07; |
| 121 | BREAK | 3'-0" | 7'-0" | 1 3/4" | FG | AL/GL | G1 | SF/CW | AL | AL-03 | | | | H1/A6.03 | E1/A6.03 | | | | 04:06 |
| 122 | JAN/LAUNDRY | 3'-0" | 7'-0" | 1 3/4" | F | WD | | F1 | HM | 11 | | | | J6/A6.03 | F6/A6.03 | | | | |
| 123 | OFFICE | 3'-0" | 7'-0" | 1 3/4" | FG | WD | G1 | F1 | HM | 14 | | | | J6/A6.03 | F6/A6.03 | | | | |
| 124 | DATA | 3'-0" | 7'-0" | 1 3/4" | F | HM | | F1 | HM | 20 | | | | J6/A6.03 | F6/A6.03 | | | | |
| 125A | MAIN ELEC | 3'-0" | 7'-0" | 1 3/4" | F | HM | | F13 | HM | 211 | | | | J10/A6.03 | F10/A6.03 | | | | |
| 125B | MAIN ELEC | 3'-0" | 7'-0" | 1 3/4" | F | HM | | F1 | HM | 02 | | | | H4/A6.02 | E4/A6.02 | A4/A6.02 | | | |
| 126 | STORAGE | 6'-0" | 7'-0" | 1 3/4" | F | HM | | F13 | HM | 13 | | | | J10/A6.03 | F10/A6.03 | | | | |
| 127A | GYM | 6'-0" | 8'-0" | 1 3/4" | FG | AL/GL | G1 | SF | AL | AL-02 | Y | | | H1/A6.03 | E1/A6.03 | | | | 04:06;09 |
| 127B | GYM | 6'-0" | 8'-0" | 1 3/4" | FG | AL/GL | G1 | SF | AL | AL-02 | Y | | | H1/A6.03 | E1/A6.03 | | | | 04:06;09 |
| 127C | GYM | 6'-0" | 7'-0" | 1 3/4" | F | HM | | F13 | HM | 23 | | | | H10/A6.03 | F10/A6.03 | | | | |
| 127D | GYM | 6'-0" | 7'-0" | 1 3/4" | F | HM | | F13 | HM | 03 | | | | C1/A6.02 | A1/A6.02 | A4/A6.02 | | | 07;09;11 |
| 127E | GYM | 6'-0" | 7'-0" | 1 3/4" | F | HM | | F13 | HM | 03 | | | | C1/A6.02 | A1/A6.02 | A4/A6.02 | | | 07;09;11 |
| 127F | GYM | 6'-0" | 7'-0" | 1 3/4" | F | HM | | F13 | HM | 03 | | | | C1/A6.02 | A1/A6.02 | A4/A6.02 | | | 07;10 |
| 128 | MENS POOL RESTROOM | 3'-0" | 7'-0" | 1 3/4" | F | HM | | F13 | HM | 07 | | | | C1/A6.02 | A1/A6.02 | A4/A6.02 | | | |
| 129 | WOMENS POOL RESTROOM | 3'-0" | 7'-0" | 1 3/4" | F | HM | | F13 | HM | 07 | | | | C1/A6.02 | A1/A6.02 | A4/A6.02 | | | |
| 130 | POOL EQUIPMENT & SERVICES | 6'-0" | 7'-0" | 1 3/4" | F | HM | | F13 | HM | 06 | | | | C1/A6.02 | A1/A6.02 | A4/A6.02 | | | 09;11 |
| 131 | POOL ELECTRICAL | 3'-0" | 7'-0" | 1 3/4" | F | HM | | F13 | HM | 05 | | | | C1/A6.02 | A1/A6.02 | A4/A6.02 | | | |
| 200A | TRACK VESTIBULE | 7'-0" | 8'-0" | 1 3/4" | FG | AL/GL | G1 | SF | AL | AL-02 | | | | H1/A6.03 | E1/A6.03 | | | | 04:06;08;09 |
| 201A | FITNESS ROOM | 3'-0" | 7'-0" | 1 3/4" | FG | WD | G1 | F1 | HM | 18 | | | | J6/A6.03 | F6/A6.03 | | | | |
| 201B | FITNESS ROOM | 3'-0" | 7'-0" | 1 3/4" | FG | WD | G1 | F1 | HM | 18 | | | | J6/A6.03 | F6/A6.03 | | | | |
| 202 | MECHANICAL ROOM | 6'-0" | 7'-0" | 1 3/4" | F | HM | | F13 | HM | 24 | | | | J10/A6.03 | F10/A6.03 | | | | |
| 203 | TRACK VESTIBULE | 3'-0" | 7'-0" | 1 3/4" | F | HM | | F13 | HM | 01 | | | | C1/A6.02 | A1/A6.02 | A4/A6.02 | | | 07 |
| 204 | STORAGE | 3'-0" | 7'-0" | 1 3/4" | F | HM | | F13 | HM | 21 | | | | J10/A6.03 | F10/A6.03 | | | | |
| 205 | STORAGE | 3'-0" | 7'-0" | 1 3/4" | F | HM | | F1 | HM | 22 | | | | J6/A6.03 | F6/A6.03 | | 90 MIN | | |
| 206 | MECHANICAL ROOM | 3'-0" | 7'-0" | 1 3/4" | F | HM | | F1 | HM | 05 | | | | H4/A6.02 | E4/A6.02 | | | | |

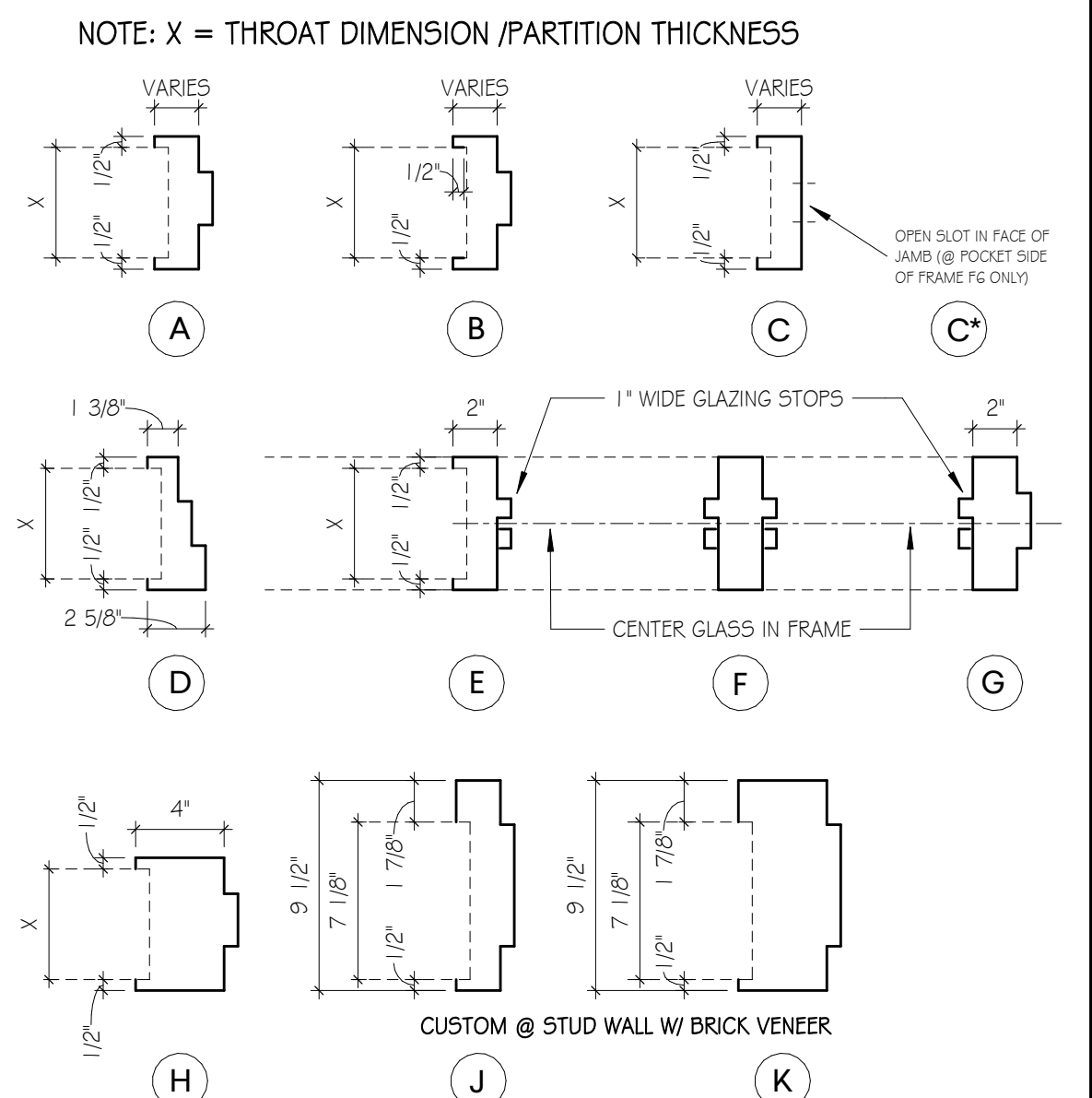
DOOR NUMBERED NOTES

- 01 ROLLING COUNTER DOOR
- 02 CASED OPENING
- 03 CARD READER ACCESS
- 04 FULL HEIGHT VERTICAL PULL BAR
- 05 EXTERIOR PULL HANDLE
- 06 FULL WIDTH HORIZONTAL PUSH BAR
- 07 EXIT DEVICE - PUSH BAR
- 08 90° DOOR SWING LIMITER
- 09 CLOSER ARM HOLD OPEN - PUSH SIDE
- 10 CENTER MULLION
- 11 REMOVABLE CENTER MULLION

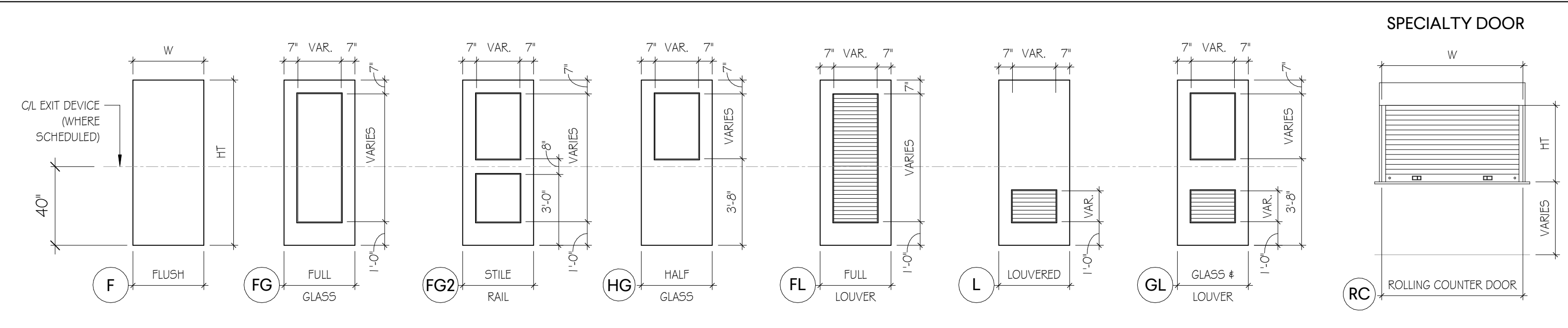
DOOR GENERAL NOTES

- 1) GENERAL:
 A. DOOR AND/OR FRAME CONSTRUCTION SHALL BE AS SPECIFIED UNLESS NOTED OTHERWISE.
 B. ALL TYPES OF DOORS ARE REPRESENTED IN THIS SCHEDULE FOR CONVENIENCE. WHERE MORE DESCRIPTIVE INFORMATION MAY BE LOCATED ELSEWHERE, NOTATION IS MADE IN THE NUMBERED NOTES COLUMN, (E.G. ALUMINUM FRAMED ENTRANCE DOORS. SEE SPECIFICATIONS)
- 2) MATERIAL AND FINISH:
 A. MATERIALS AND FINISHES INDICATED ON THE SCHEDULE ARE AS FOLLOWS:
 HM HOLLOW METAL
 ST STEEL
 ST/S STEEL / STAINLESS OR STAINLESS CLAD
 WD SOLID CORE WOOD
 WD/PL WOOD / PLASTIC LAMINATE FACED
 WD/IR WOOD / IMPACT-RESISTANT VINYL-FACED
 AL ALUMINUM
 GL GLAZING GLASS
 PREFIN PREFINISHED (OR FACTORY FINISHED)
 PNT PAINTED
 STN STAINED
- 3) GLASS:
 A. GLASS TYPES INDICATED ON THE SCHEDULE ARE AS FOLLOWS (SEE SPECIFICATION SECTIONS 08 0000 "GLAZING" & 13 4900 "RADIATION PROTECTION"):
 MONOLITIC:
 G1 6.0mm CLEAR, TEMPERED
 G2 7.5mm CLEAR, LAMINATED, INTERLAYER COLOR: CLEAR
 G3 7.5mm CLEAR, LAMINATED, INTERLAYER COLOR: ARCTIC SNOW
 G4 8.0mm CLEAR, FIRE-RATED CERAMIC GLAZING, MATCH RATING OF OPNG.
 G5 4.0mm(2) ULTRACLEAR, TEMPERED, 2 LITES + INTEGRAL BLINDS
 G6 12.5mm SAFETY, LEAD BORATE GLASS, SEE SPECIFICATIONS
 G7 12.5mm SAFETY, LASER RATED, SEE SPECIFICATIONS
- INSULATING:
 IG1 1/2 INCH INSULATING, VISION LITE
 IG2 1 INCH INSULATING, SPANDREL LITE
- 4) LOUVERS:
 A. DOOR LOUVER TYPES INDICATION ON THE SCHEDULE ARE AS FOLLOWS:
 L1 A' X B' X H, SIGHT PROOF, WEATHER RESISTANT, WITH INSECT SCREEN
 L2 A' X B' X H, LIGHT PROOF
- 5) DOOR HARDWARE:
 A. "HARDWARE SET NUMBER" REFERS TO HARDWARE SETS SPECIFIED IN SPECIFICATION SECTION 08 7100 "DOOR HARDWARE".

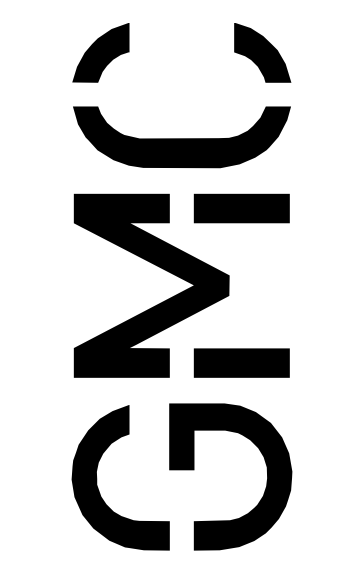
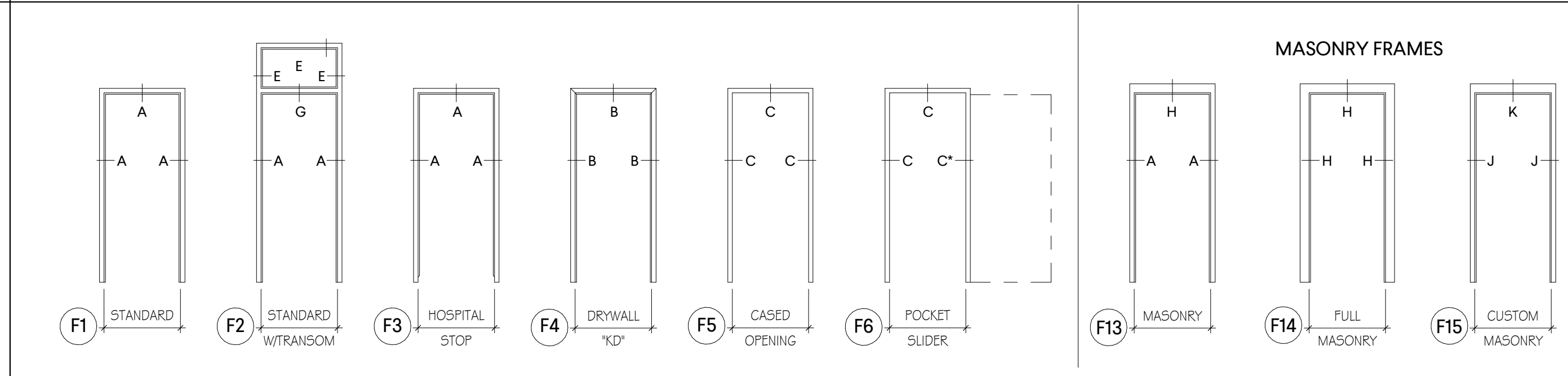
FRAME PROFILES



DOOR TYPES - WOOD + HOLLOW METAL SWING DOORS



FRAME TYPES - HOLLOW METAL



Goodwyn Mills Caswood, LLC
 2400 5th Avenue South, Suite 200
 Birmingham, AL 35233
 T 205.879.4462
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| ISSUE DATE | DATE | BY | DESCRIPTION |
|------------|------------|----|-------------|
| IFB SET | 05/28/2024 | | |
| Addendum | 06/14/2024 | | |

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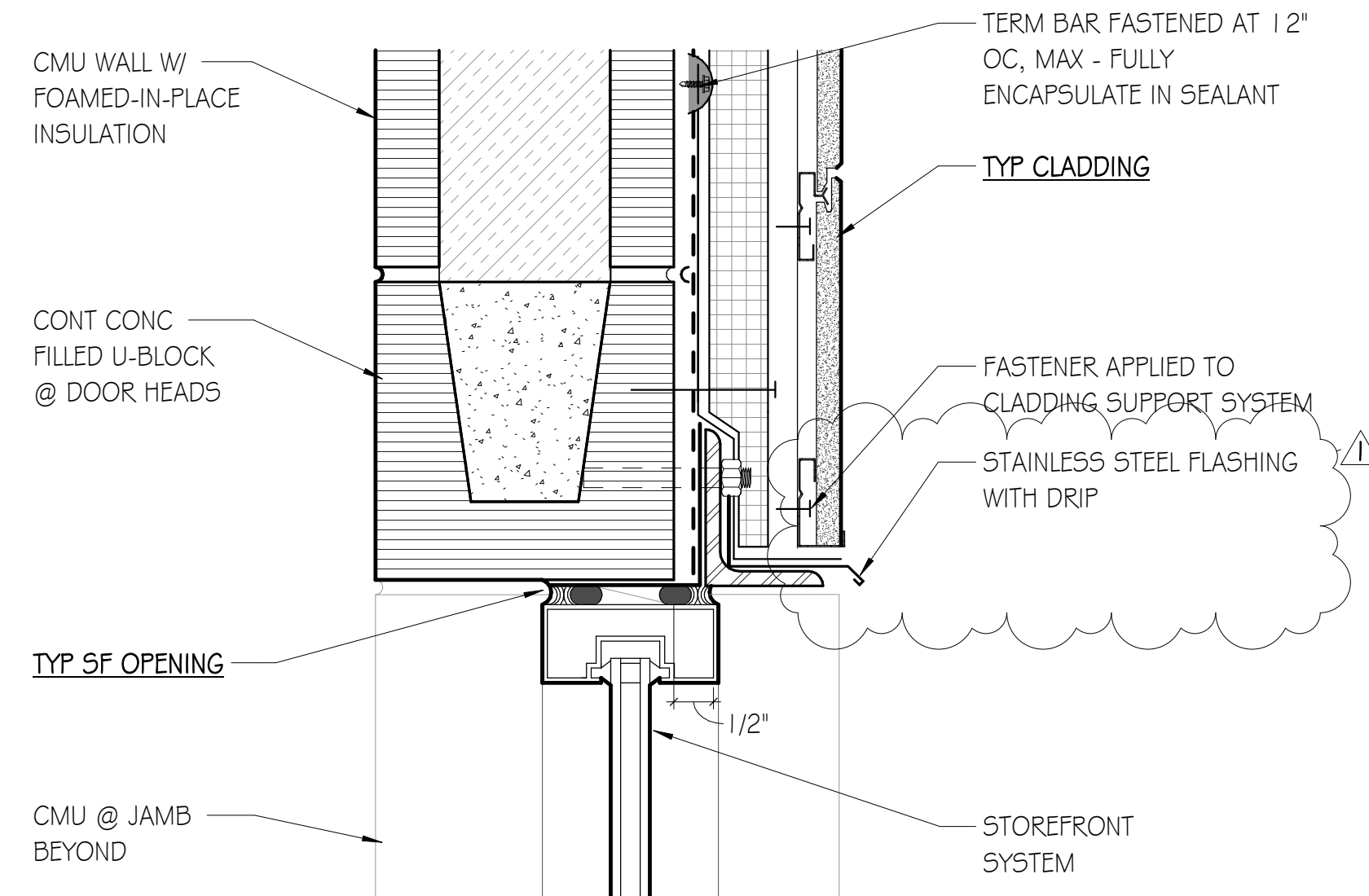
RAINBOW CITY RECREATION CENTER
 RAINBOW CITY, ALABAMA



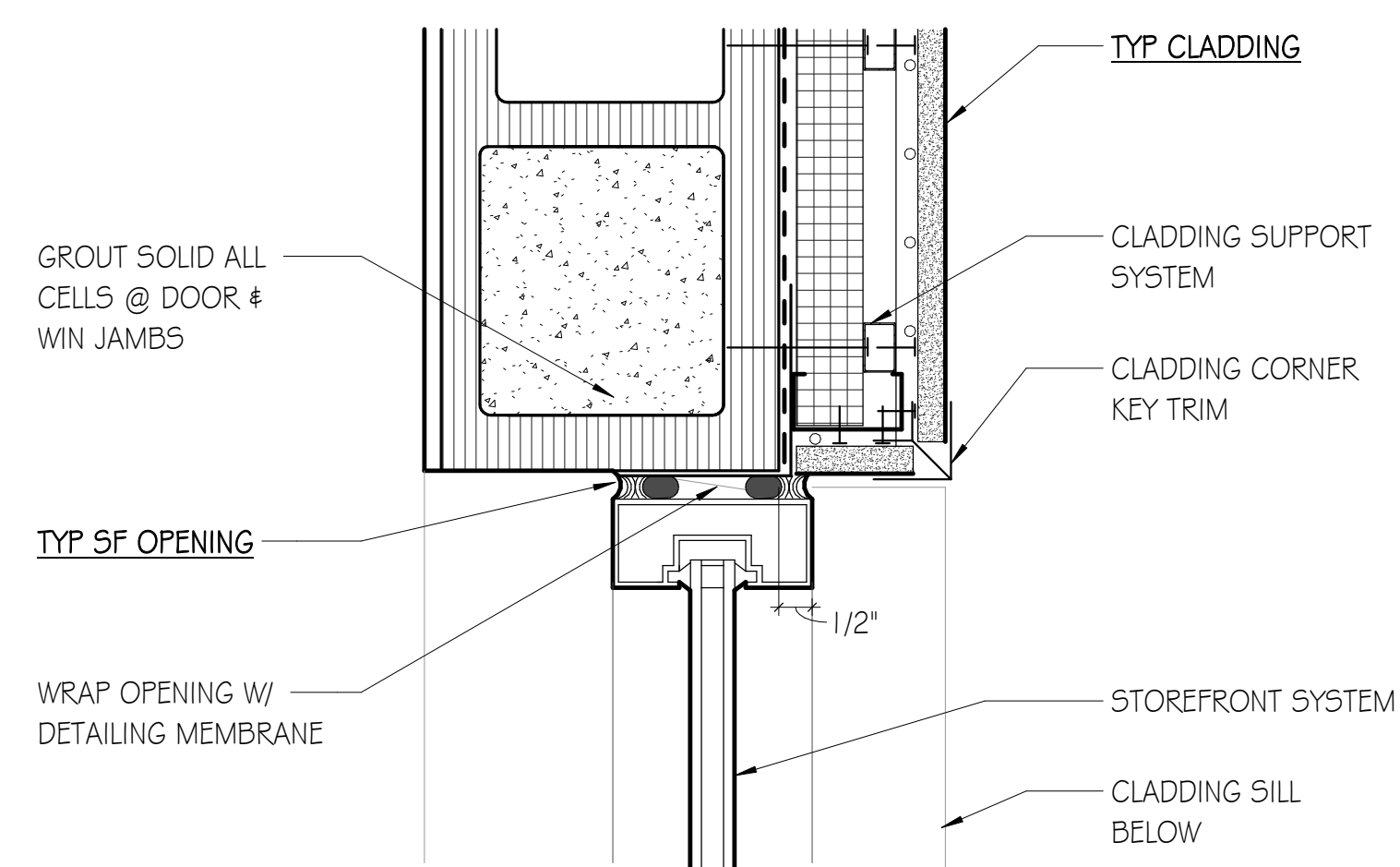
DOOR SCHEDULE,
 LEGEND, & NOTES

A6.01

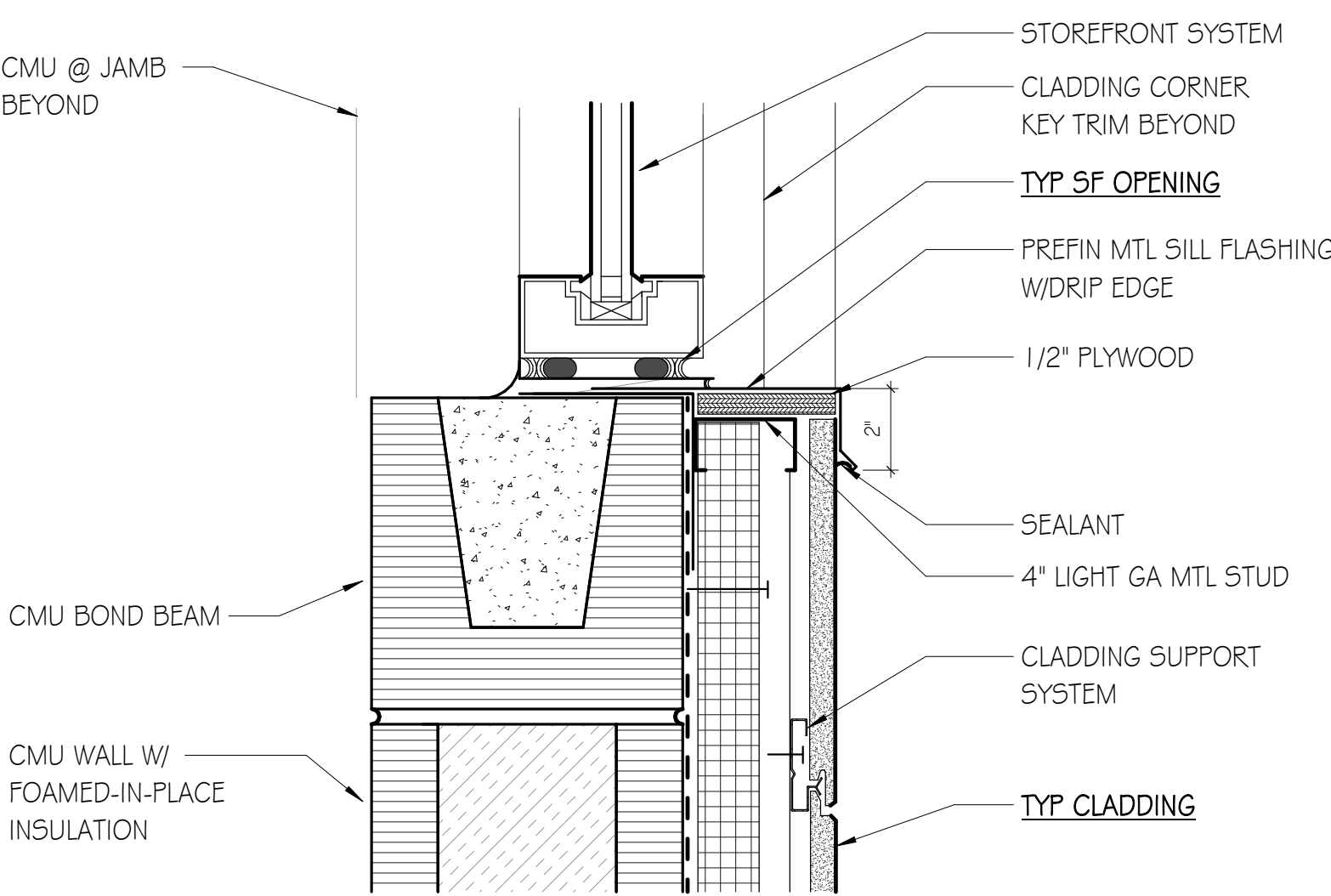
GENERAL NOTE:
ALL INTERIOR GYP OPENINGS TO BE LINED WITH CORNER BEAD



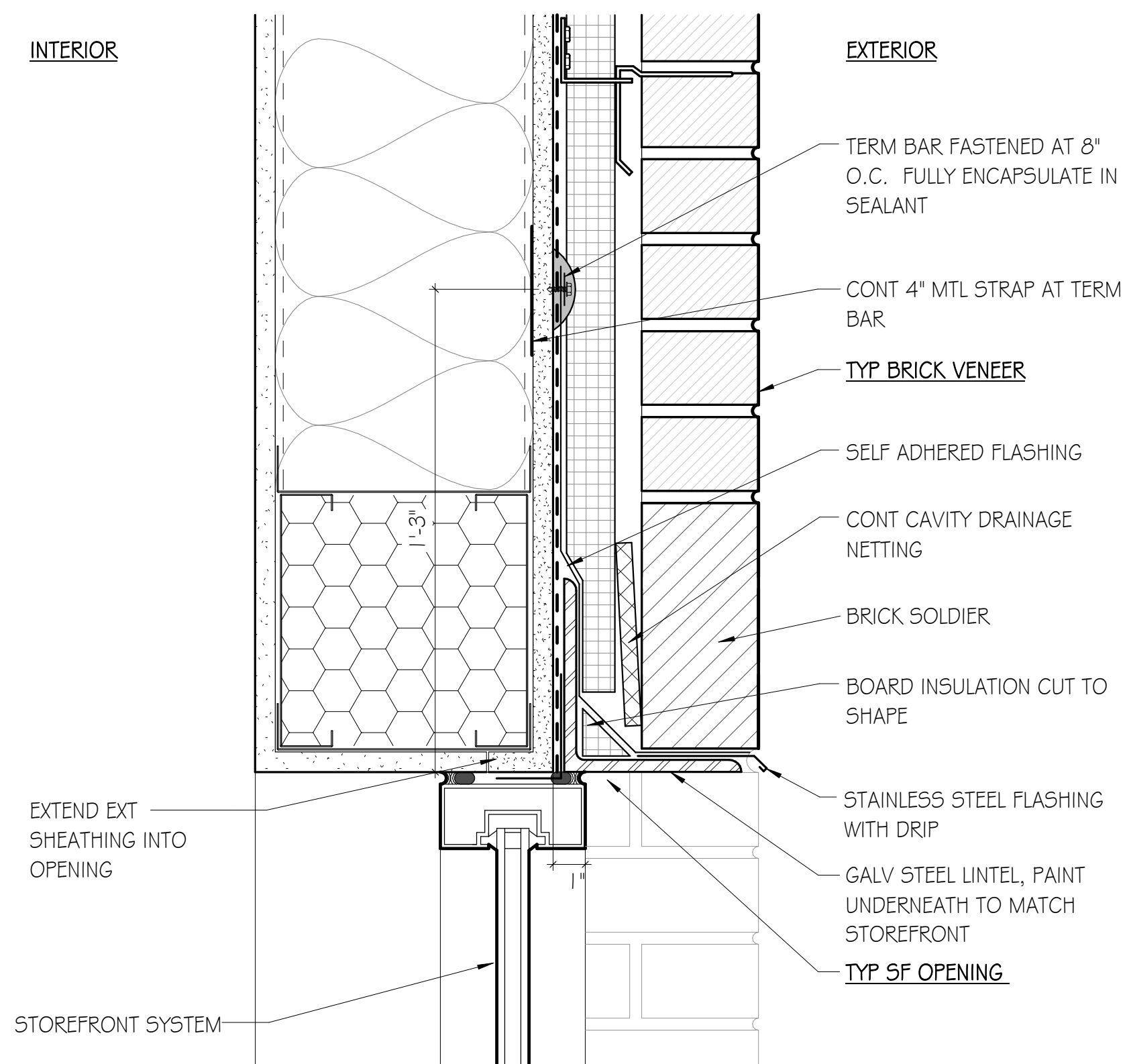
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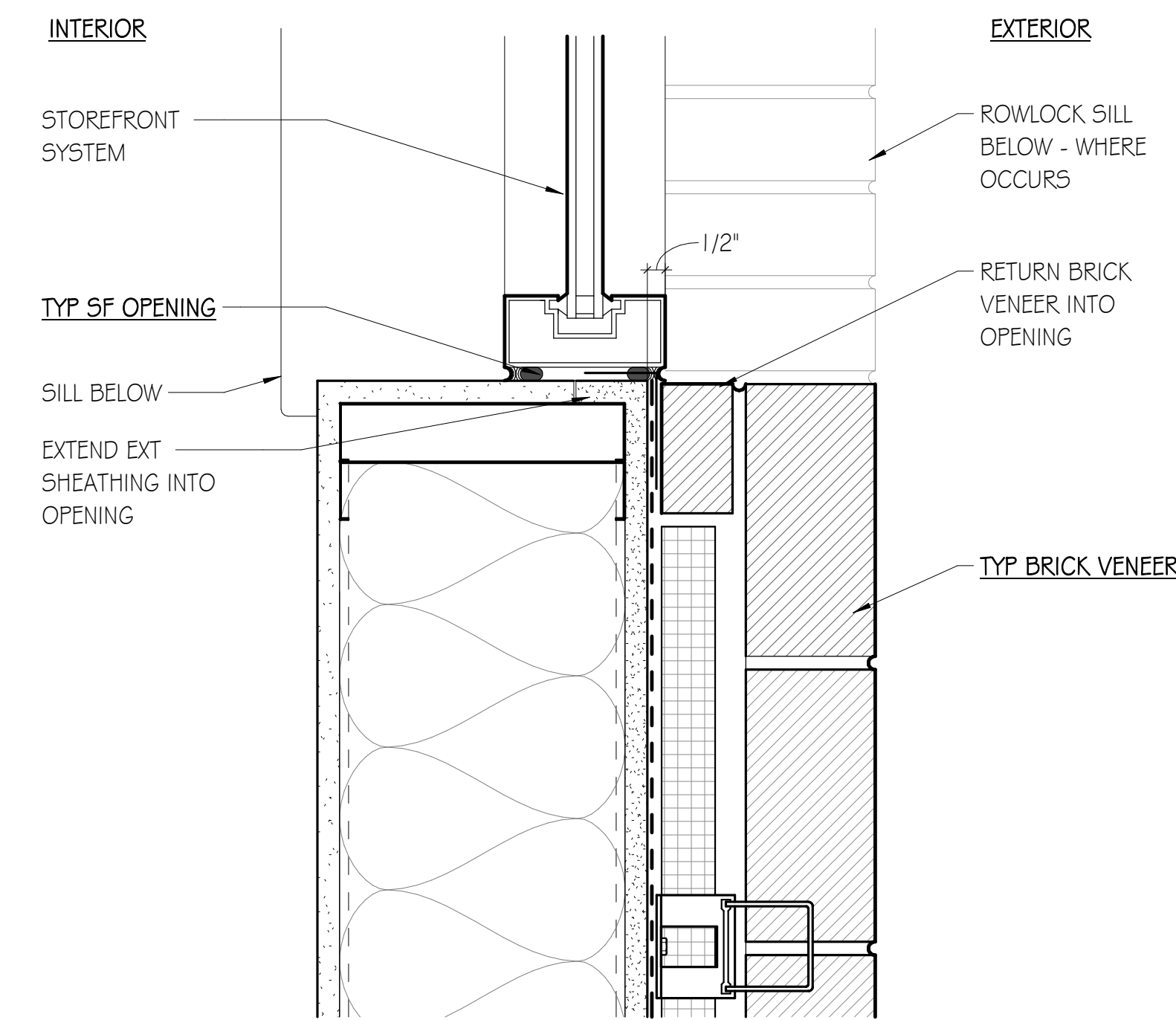
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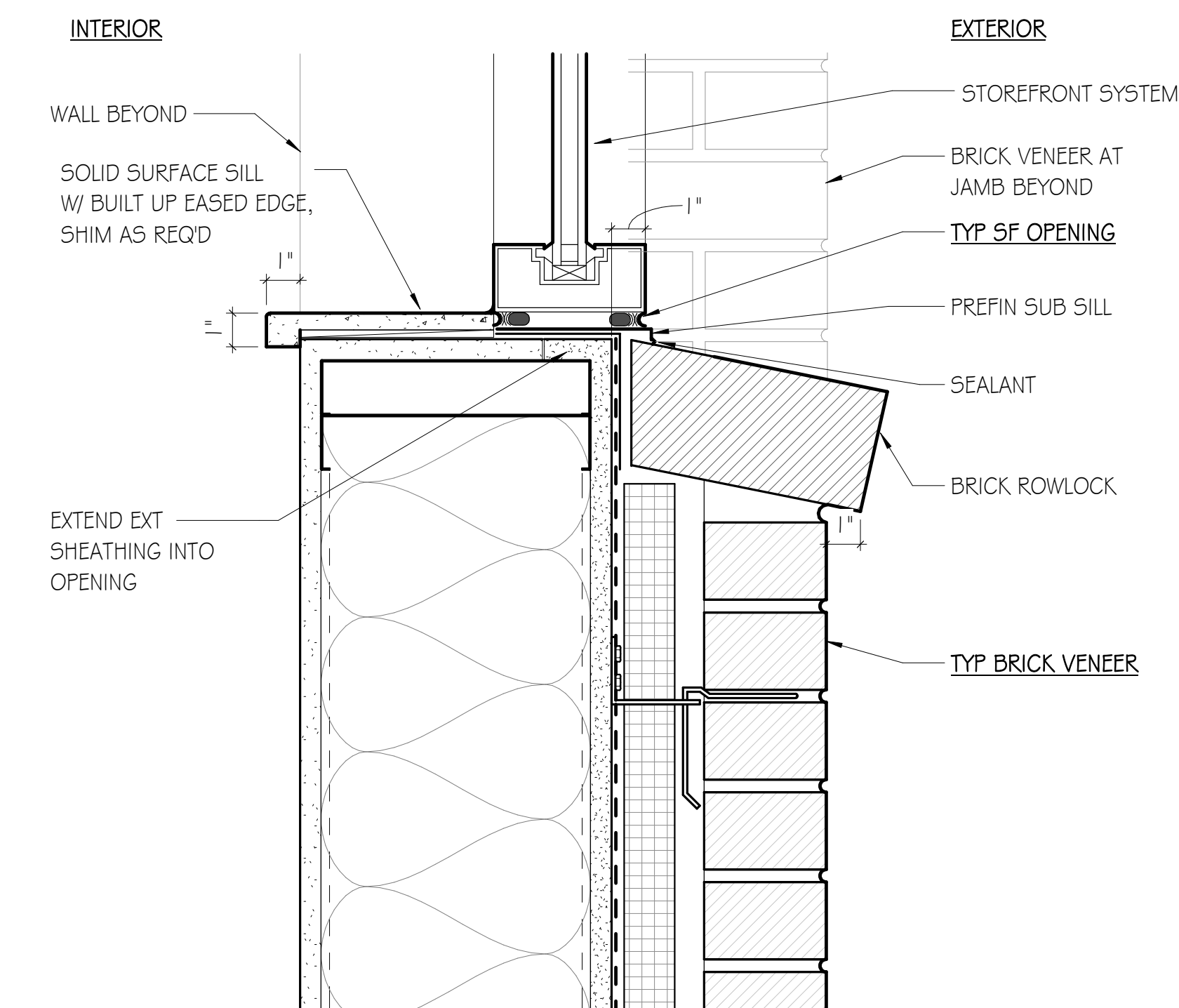
C1 EXT SF SILL - CMU/CLADDING
SCALE: 3"=1'-0"



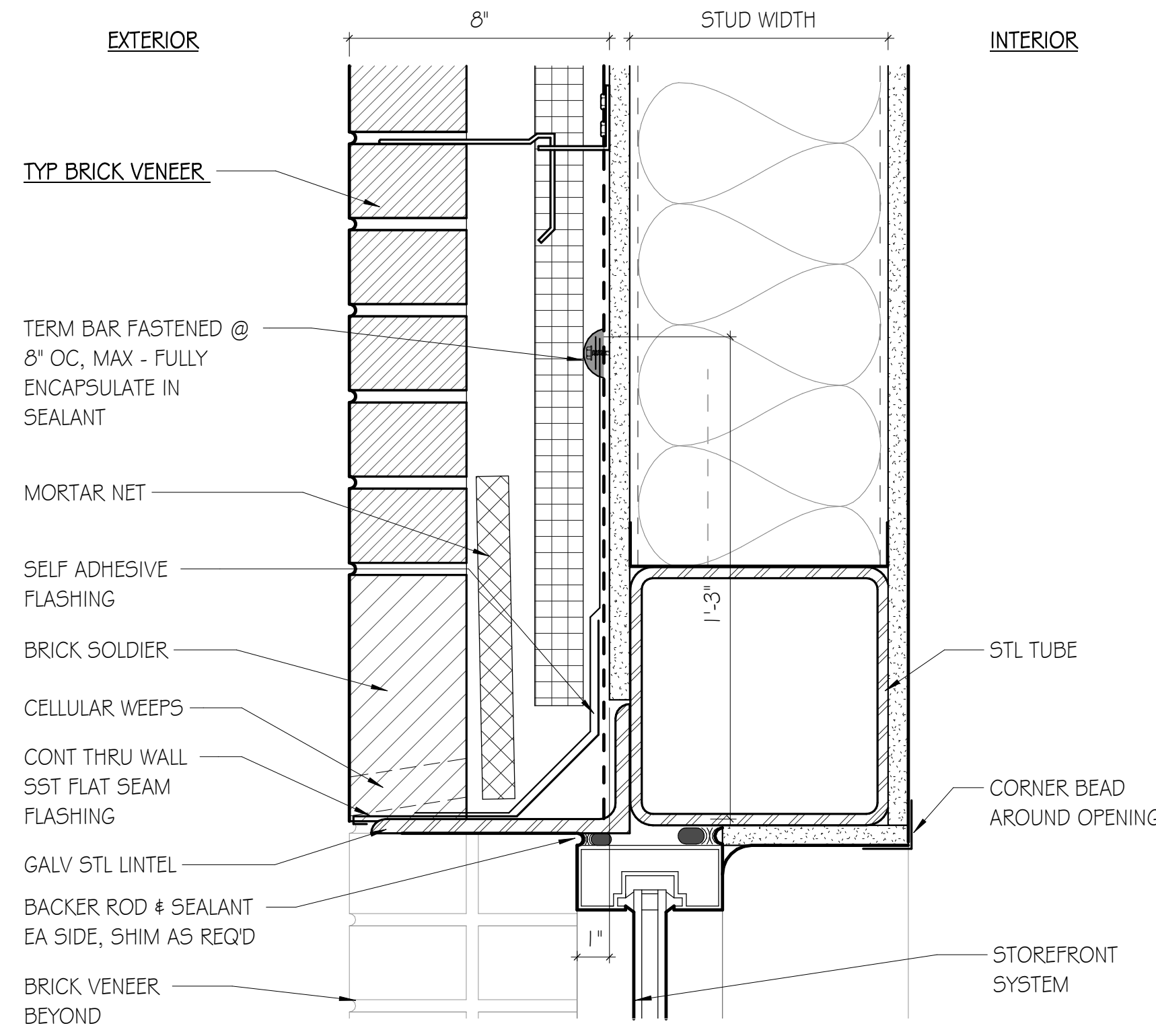
G4 EXT SF HEAD - BRICK
SCALE: 3"=1'-0"



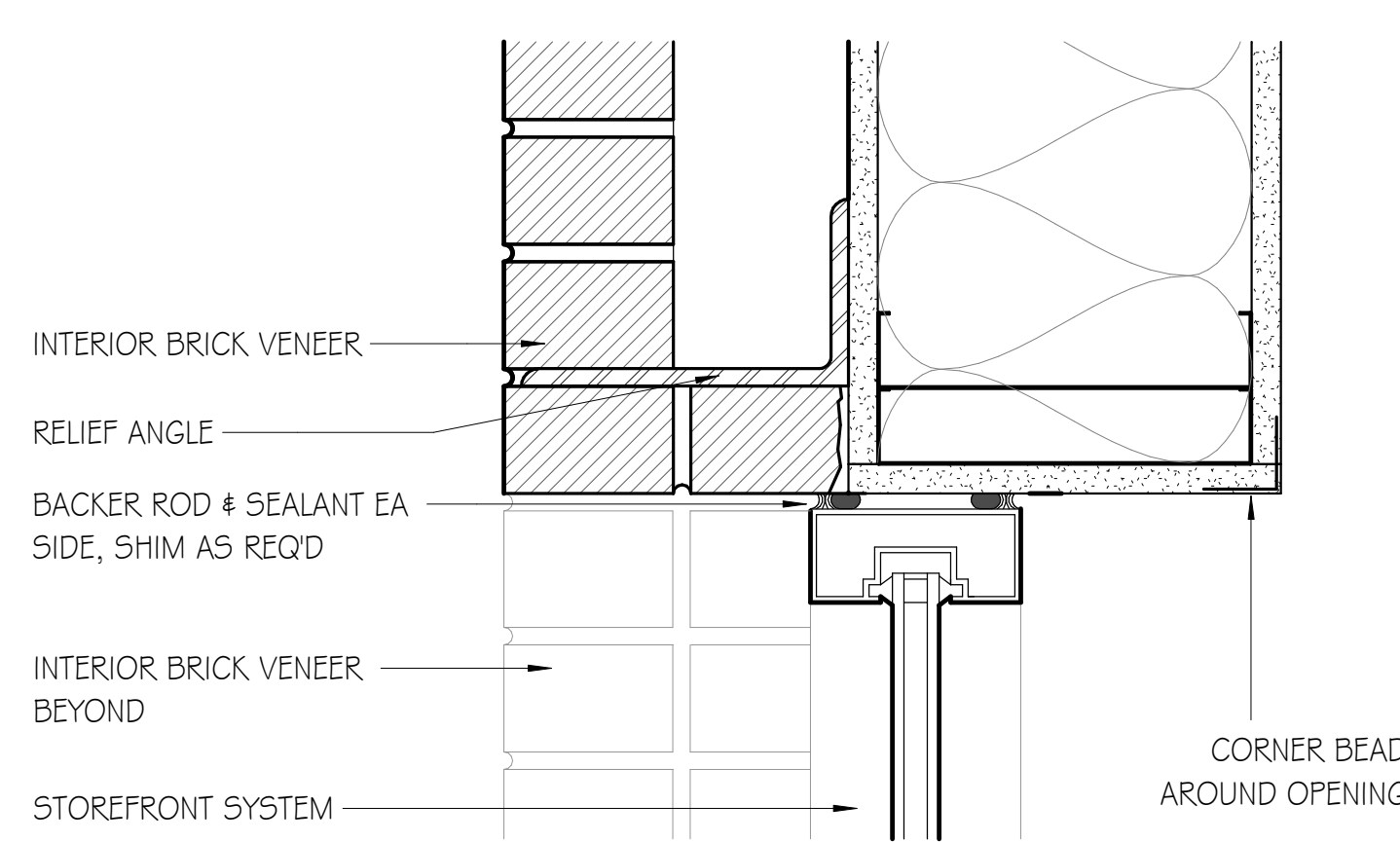
D4 EXT SF JAMB - BRICK
SCALE: 3"=1'-0"



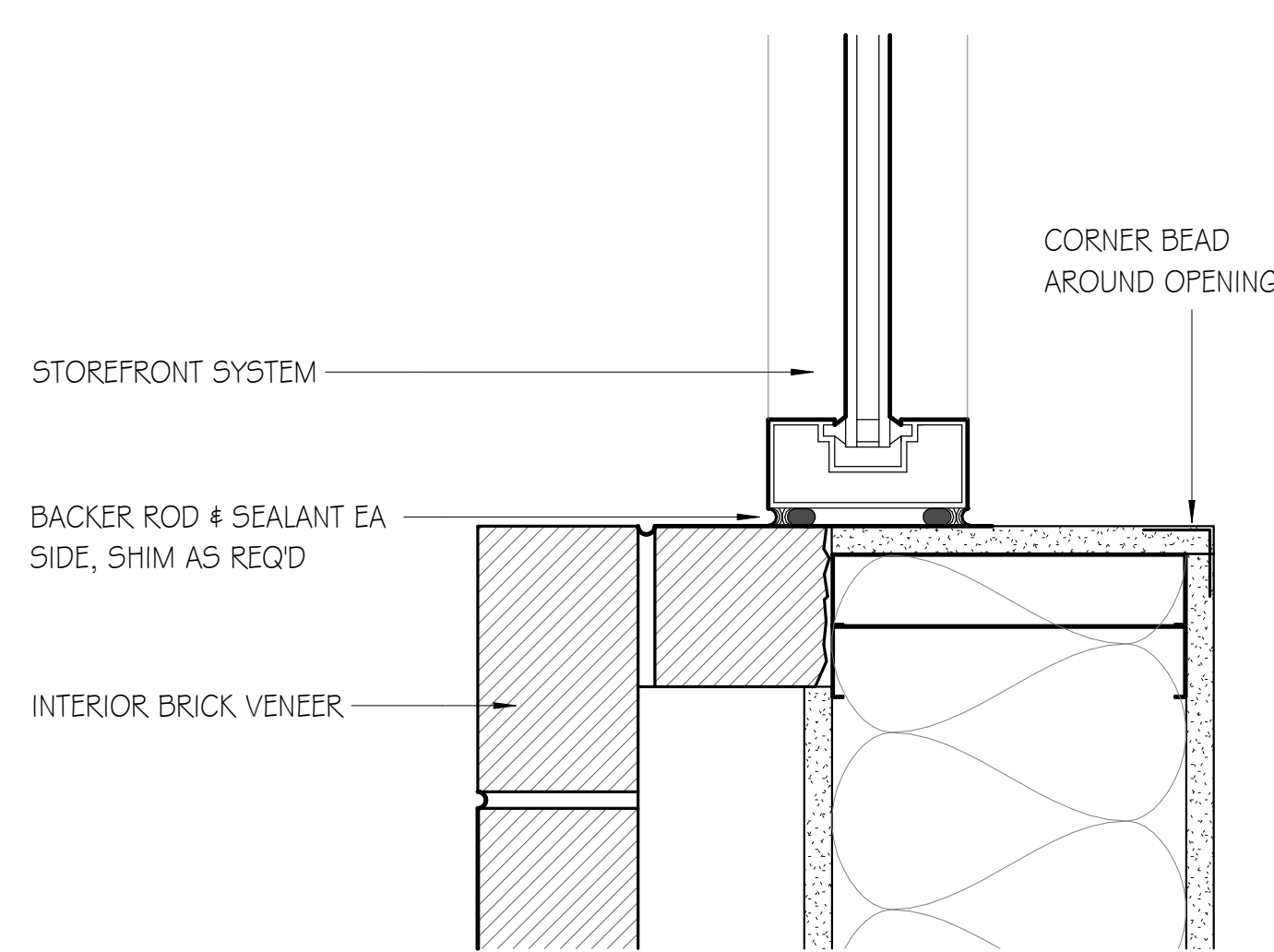
A4 EXT SF SILL - BRICK
SCALE: 3"=1'-0"



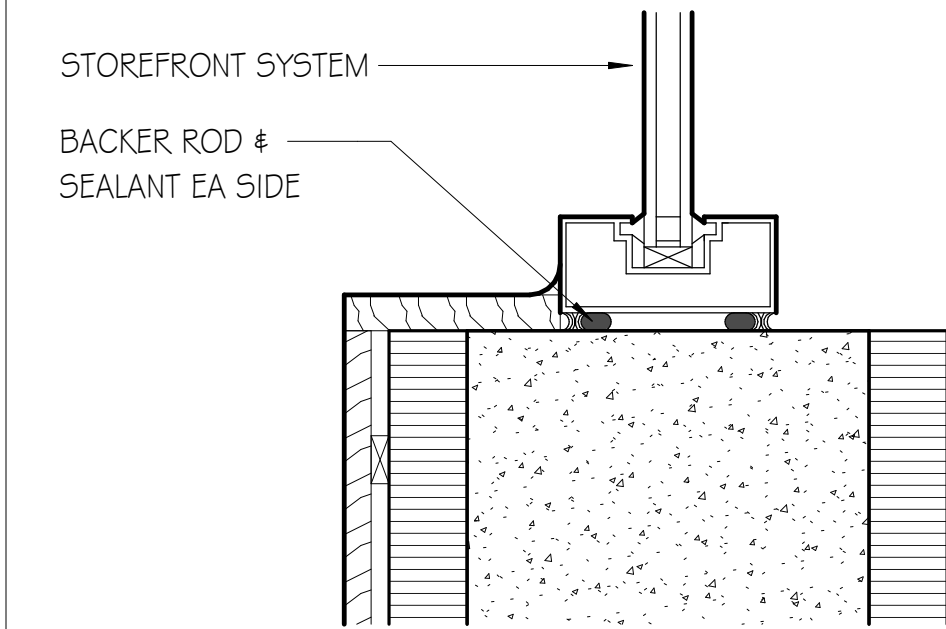
G7 EXT SF HEAD - SF RIBBON
SCALE: 3"=1'-0"



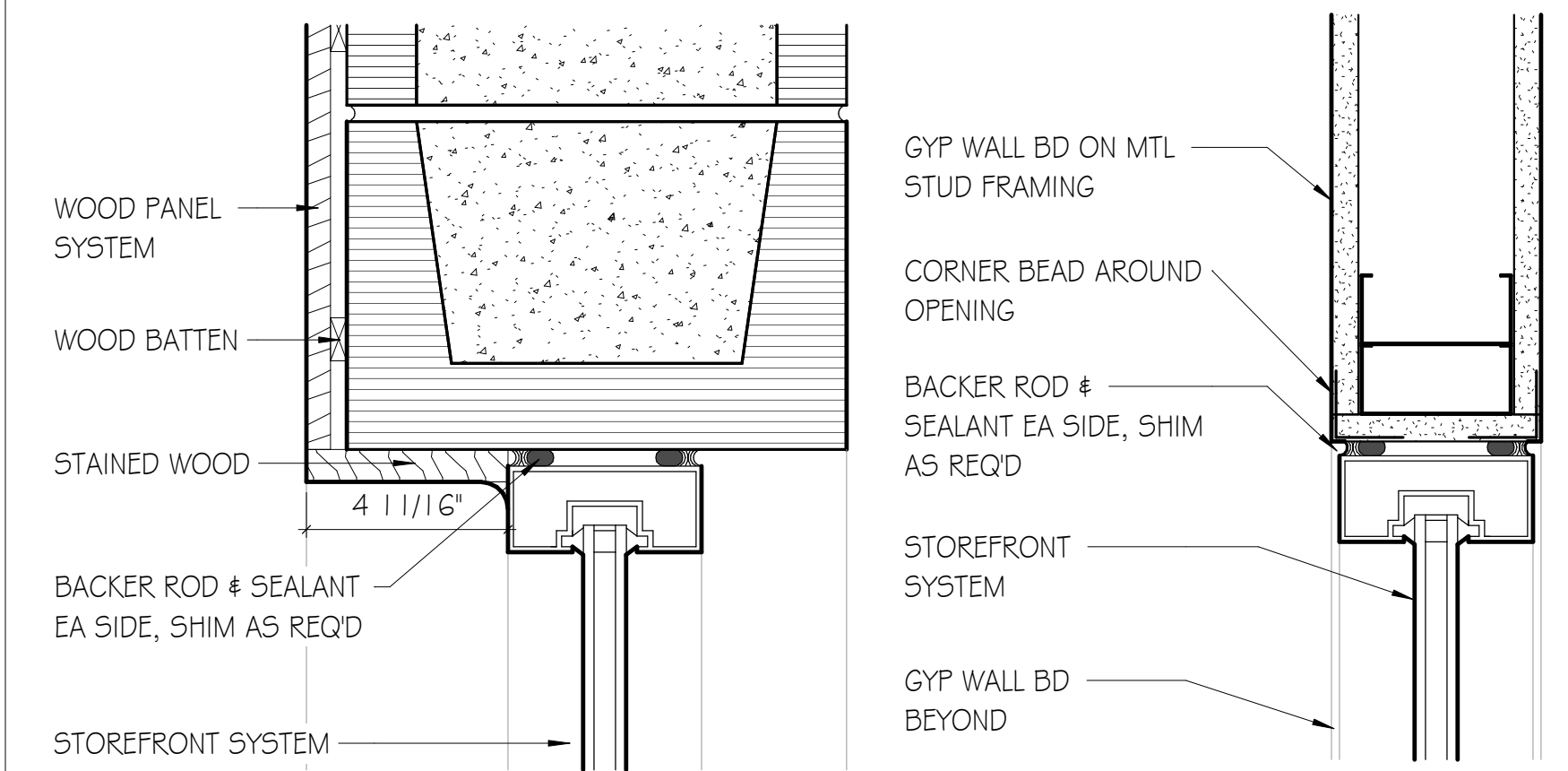
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SCALE: 3"=1'-0"



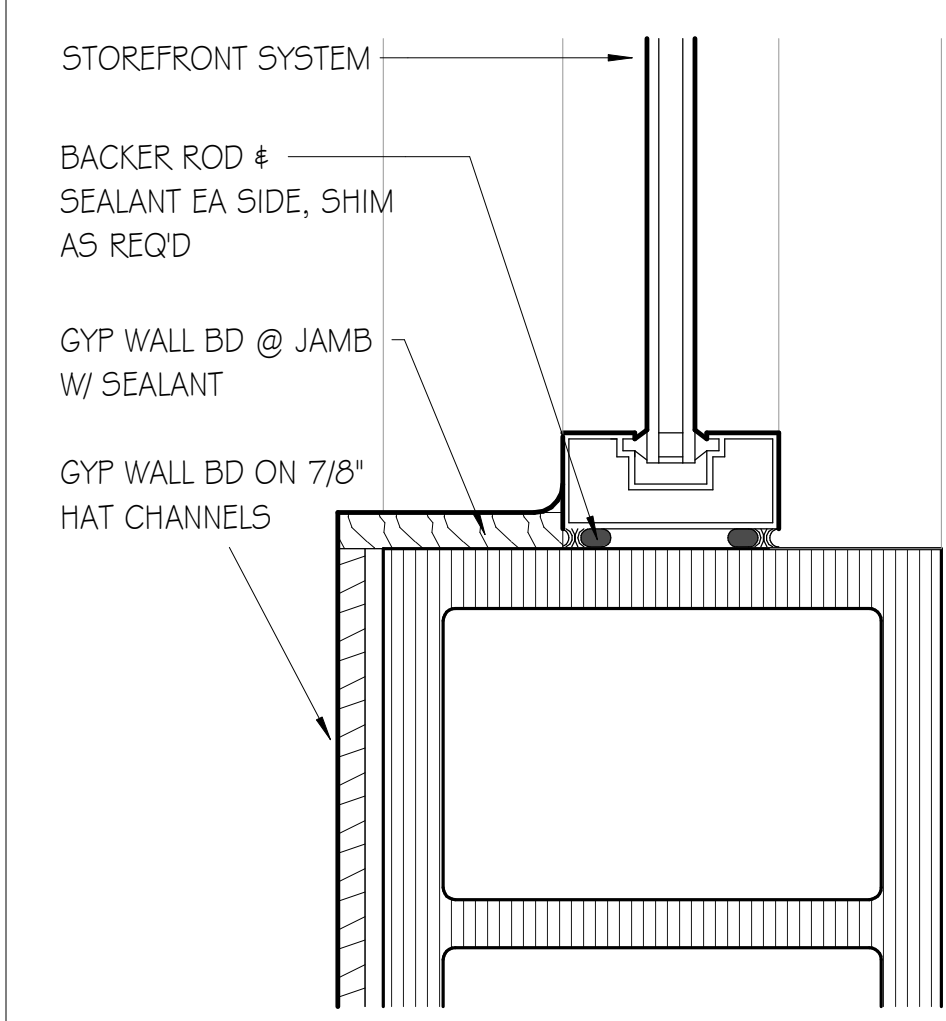
A7 INT SF JAMB - LOBBY BRICK
SCALE: 3"=1'-0"



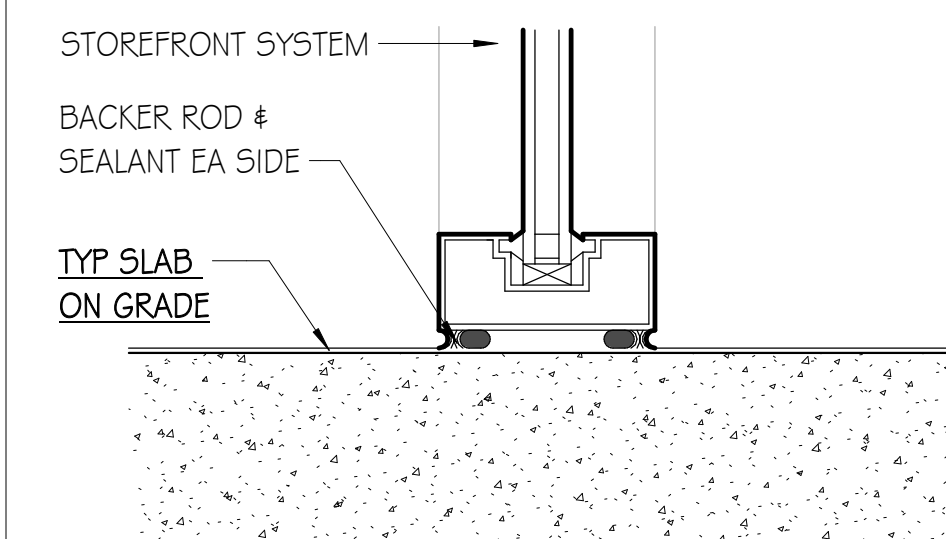
G9 INT SF SILL @ TRACK
SCALE: 3"=1'-0"



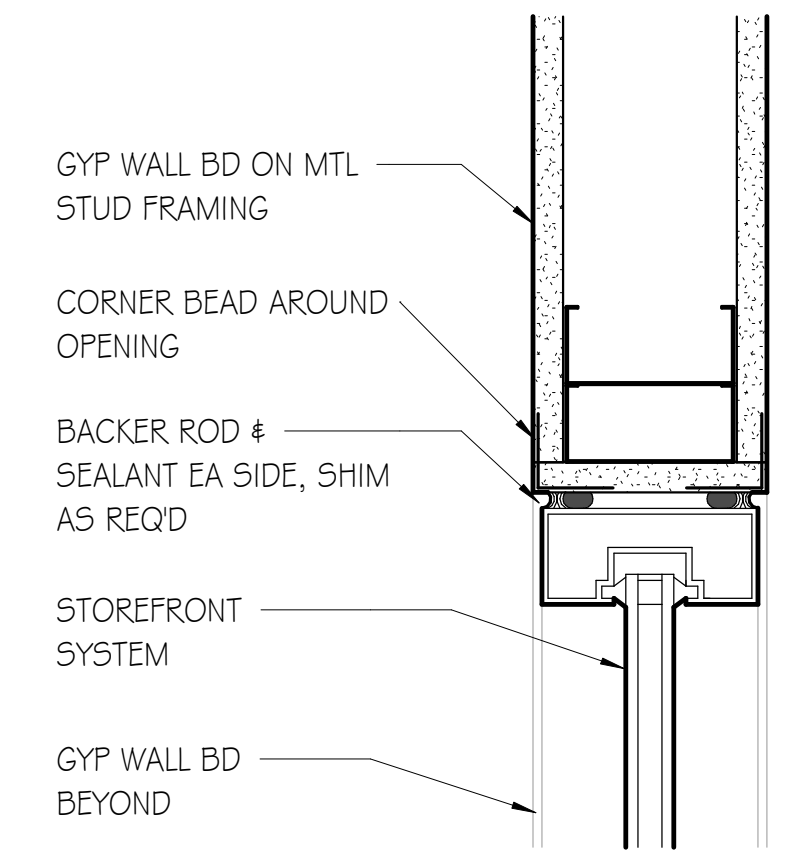
E9 INT SF HEAD - CMU
SCALE: 3"=1'-0"



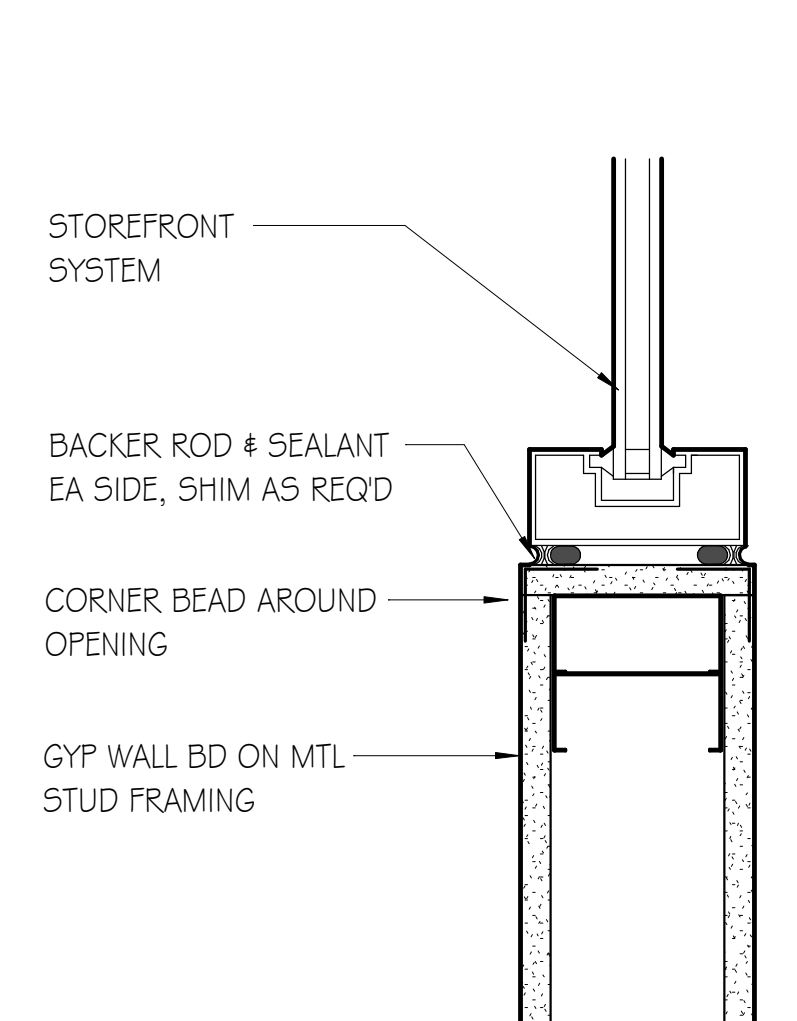
C9 INT SF JAMB - CMU
SCALE: 3"=1'-0"



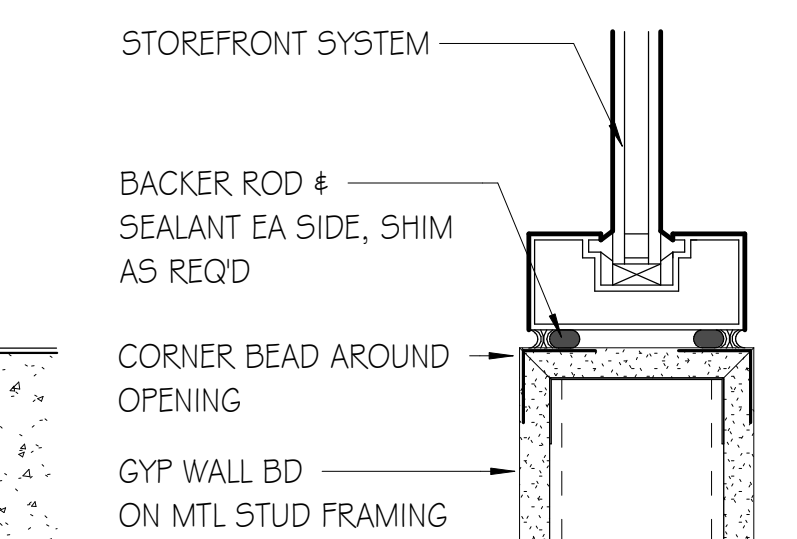
A10 INT SF SILL @ SLAB
SCALE: 3"=1'-0"



E11 INT SF HEAD - STUD
SCALE: 3"=1'-0"



C11 INT SF JAMB - STUD
SCALE: 3"=1'-0"



A11 INT SF SILL @ STUD
SCALE: 3"=1'-0"

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| IFB SET | 05/28/2024 | | |
| ADDENDUM | 02/06/14/2024 | | |

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RAINBOW CITY RECREATION CENTER
RAINBOW CITY, ALABAMA

STATE OF ALABAMA
FRANK SWATER
8969
REGISTERED ARCHITECT

CURTAIN WALL & STOREFRONT DETAILS

A6.13

GMC # ABHM230021

14-Jun-24 14:05:02 TEMPLATE VERSION: 2023.1

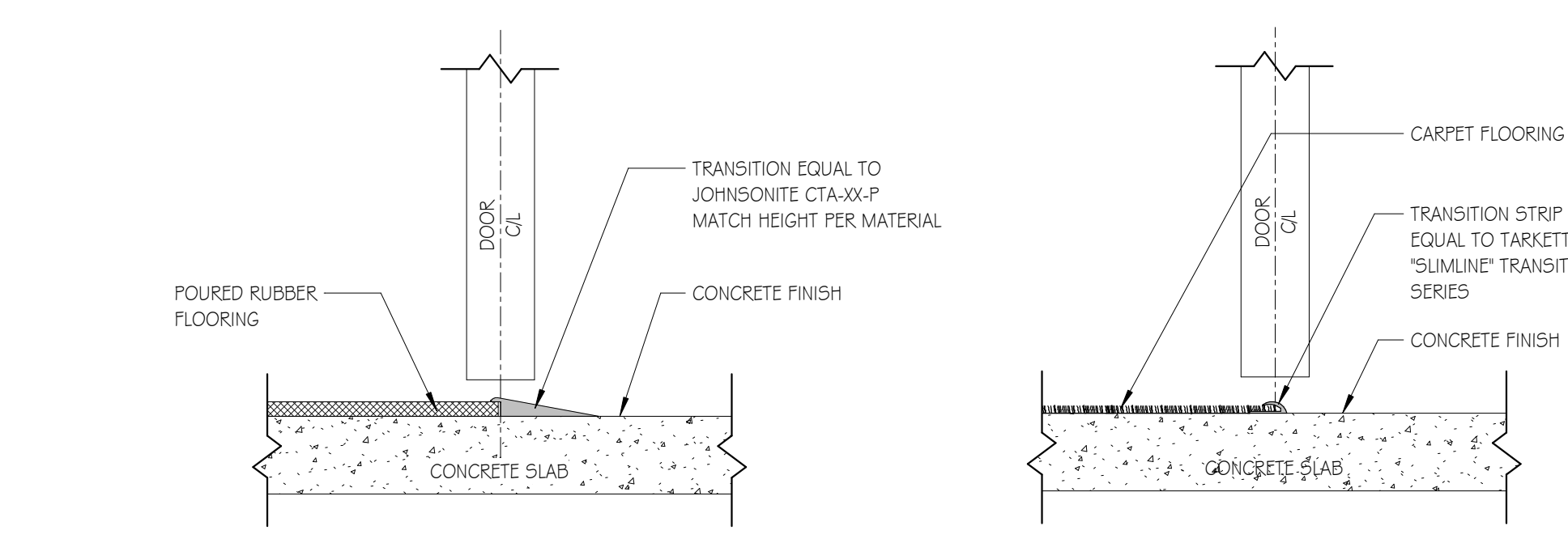
| FLOORS: | WALLS: | MISC: | RCP NOTES: |
|---|--|---|---|
| - REFER TO FLOOR FINISH PLANS FOR FLOOR PATTERN. CONTRACTOR MUST NOTIFY INTERIOR DESIGNER BEFORE INSTALLATION OF FLOORING TO REVIEW DESIGN INTENT OF FLOOR PATTERN PLAN - ALL FLOORING TRANSITIONS INCLUDING TRANSITIONS TO SIMILAR MATERIAL OR REDUCER STRIPS AND OTHER THRESHOLDS TO DISSIMILAR MATERIAL SHALL BE LOCATED AT THE CENTERLINE OF DOOR WHEN IN CLOSED POSITION. COLORS SHALL BE SELECTED DURING SUBMITTAL REVIEW. REFER TO DETAILS FOR TRANSITIONS BETWEEN FLOORING MATERIALS. CONTRACTOR TO PROVIDE TRANSITION SIZES APPROPRIATE FOR THICKNESS - AVOID ALL FLOORING MATERIAL SLIVER CUTS LESS THAN 4" WIDE @ WALL PERIMETERS & MATERIAL TRANSITIONS. CONTACT DESIGNER IF JOBSITE CONDITIONS DIFFER. - INSTALL FLOORING CONTINUOUS UNDER ALL CASEWORK, MILLWORK, EQUIPMENT, & FURNITURE - ALIGN VERTICAL GROUT JOINTS IN TILE BASE WITH THOSE IN THE FLOOR TILE UNLESS NOTED OTHERWISE | - REFER TO FINISH PLANS & ELEVATIONS FOR LOCATION OF ACCENT PAINT COLORS - ALL HOLLOW METAL DOOR & WINDOW FRAMES TO BE PAINTED (PNT-2) UNLESS OTHERWISE NOTED - ALL ACCESS PANELS AND MISCELLANEOUS METAL (RETURN AND AIR SUPPLY GRILLES, EXPANSION JOINTS, ETC.) LOCATED ON WALL SURFACES OR CEILING SURFACES TO BE PAINTED WALL OR CEILING COLOR U.N.O. - WALL BASE TO BE INSTALLED ON ALL WALLS, MILLWORK, AND CASEWORK U.N.O. - INSTALL FINISH STRIP EQUAL TO SCHLUTER "JOLLY" AT ALL EXPOSED TILE EDGES & CORNERS - MILLWORK / CASEWORK: - INSTALL 3MM EDGE BAND ON ALL PLASTIC LAMINATE COUNTERTOPS AND CABINETS. - ALL WINDOWS TO HAVE SOLID SURFACE (SS-2) SILL U.N.O. - GROMMET LOCATIONS TO BE COORDINATED WITH OWNER - FIELD VERIFY ALL DIMENSIONS FOR CASEWORK & MILLWORK PRIOR TO FABRICATION & INSTALLATION - ALL EXPOSED ENDS AND EXPOSED INTERIORS OF CASEWORK/MILLWORK TO RECEIVE MATCHING LAMINATES - ALL CABINETS TO BE LOCKABLE WITH THE EXCEPTION OF UPPER & LOWER TYPICAL CLASSROOM & BREAK ROOM CABINETS. ALL TALL CABINETS & FILE DRAWERS TO BE LOCKABLE. SEE ELEVATIONS FOR LOCKABLE CABINETS. | - DO NOT PAINT DOOR LABELS AT RATED DOORS OR FRAMES - PROVIDE BLOCKING AS REQUIRED AT ALL TELEVISION LOCATIONS - COORDINATE WITH OWNER'S EQUIPMENT - PROVIDE BLOCKING FOR ALL GRAB BARS AND TOILET ACCESSORIES - REFER TO RCP FOR ACCENT PAINT COLOR LOCATIONS IN CEILING - ROLLER SHADES AND BLINDS ARE TAGGED ON THE RCP - NON ADA TOILET FIXTURES SHALL BE CENTERED IN STALL - WALL TILE TO BE INSTALLED TO CEILING ON ALL WET WALLS - CAULK ALL DOOR FRAMES, MILLWORK, AND VIEW WINDOW FRAMES AFTER WALLCOVERING INSTALLATION IS COMPLETE. COLOR OF CAULK TO MATCH ADJACENT FINISH. - GC TO PROVIDE SPECIFIED EXPANSION JOINT COVER AT ALL EXPOSED FINISH FLOOR, CEILING, AND WALL LOCATIONS - ALL PARTS RESPONSIBLE FOR DELIVERING FINISHES TO THE SITE SHALL CHECK AVAILABILITY OF QUANTITIES AND DELIVERY DATES UPON NOTICE TO PROCEED. NO CONSIDERATION WILL BE GIVEN FOR FAILURE TO COMPLY WITH THIS REQUIREMENT. - GC TO PROVIDE SPECIFIED EXPANSION JOINT COVER AT ALL EXPOSED FINISH FLOOR, CEILING, AND WALL LOCATIONS | - ALL SPRINKLER HEADS IN FINISHED CEILINGS ALL SHALL BE CENTERED IN CEILING TILE. SPRINKLER HEADS SHALL NOT BE PAINTED. - INTERIOR CEILING HEIGHTS SHALL BE AS INDICATED ON THE REFLECTED CEILING PLANS. - ALL BULKHEADS TO BE 4" BELOW ADJACENT ACT CEILING UNLESS NOTED OTHERWISE - WHERE EXIT SIGNS ARE LOCATED ABOVE DOORWAYS, CENTER ABOUT DOOR, BUT MAINTAIN MINIMUM OVERHEAD CLEARANCE. - IN EXPOSED CEILINGS (EXP-2) ALL EXPOSED ELEMENTS NOT LIMITED TO TRUSS SYSTEM, DUCTWORK, CONDUIT, AND PIPING TO BE PAINTED - IN EXPOSED CEILINGS (EXP-3) ALL EXPOSED ELEMENTS NOT LIMITED TO TRUSS SYSTEM, DUCTWORK, CONDUIT, AND PIPING TO BE PAINTED - DO NOT PAINT ACOUSTICAL DECK - ALL GYM CEILINGS TO BE PAINTED (PNT-3) UNLESS OTHERWISE NOTED IN RCP. BOTH CEILING AND SOFFIT /BULKHEAD SURFACES ARE TO BE PAINTED THE SAME COLOR U.N.O. - DO NOT INSTALL CEILING TILE LESS THAN 6" IN ANY DIRECTION - WHEN POSSIBLE CENTER TILE IN ROOM. - COORDINATE WITH OWNER'S AV CONSULTANT FOR PROJECTION SCREEN AND PROJECTOR LOCATIONS - AREAS WITH EXPOSED CEILINGS (EXP-2) SHALL HAVE CEILING PAINT COLOR EXTEND DOWN VERTICAL WALL SURFACE (24") - CONTRACTOR SHALL FIELD VERIFY EACH EXPOSED LOCATION WITH ARCHITECT AND OWNER PRIOR TO PAINTING. |

| FLOOR | | | BASE | | | MISC | | |
|--------|-------------------|---|--------|----------------|--|--------|-------------------------|--|
| NUMBER | TYPE | DETAIL DESCRIPTION | NUMBER | TYPE | DETAIL DESCRIPTION | NUMBER | TYPE | DETAIL DESCRIPTION |
| CFT-1 | CARPET | MANUFACTURER: J + J FLOORING STYLE NAME: METAMORPHIC 77 17/2960 COLOR: 2960 FELDSPAR SIZE: 24" X 24" INSTALLATION: ASHLAR LOCATION: ADMIN | RB-1 | RUBBER BASE | MANUFACTURER: TARKETT/JOHNSONITE STYLE NAME: BASEWORKS THERMOSET COLOR: GATEWAY SIZE: 4" H LOCATION: SEE SCHEDULE | PL-1 | PLASTIC LAMINATE | MANUFACTURER: WILSONART COLOR: CRISP LINEN 4942-38 FINISH: FINE VELVET LOCATION: SEE SCHEDULE |
| HTF-1 | HARD FLOOR TILE | MANUFACTURER: DALTILE STYLE NAME: SOCIETY COLOR: PARK LANE GRAY 5047 MATTE SIZE: 12" X 24" INSTALLATION: STAGGERED GROUT: TBD LOCATION: STAIR LANDING # TLT | HTB-1 | HARD TILE BASE | MANUFACTURER: DALTILE STYLE NAME: SOCIETY COLOR: PARK LANE GRAY 5047 MATTE SIZE: 6" X 12" COVE BASE GROUT: TBD LOCATION: SINGLE RESTROOMS | PL-2 | PLASTIC LAMINATE | MANUFACTURER: FORMICA COLOR: CAMEL ELM 5795-NG LOCATION: LOCKER ROOMS # RECEPTION |
| LVT-1 | LUXURY VINYL TILE | MANUFACTURER: MILLIKEN STYLE NAME: THE MAGIC HOUR COLOR: ATMOSPHERE - AMS 120 FOCUS SIZE: 50 CM X 50 CM INSTALLATION: ASHLAR LOCATION: MULTI-PURPOSE # BREAK | WB-1 | WOOD BASE | COLOR: TBD IN CA SIZE: 4" H SPECIES: POPLAR - PAINT GRADE PROFILE: SEE DETAIL LOCATION: SEE SCHEDULE | PL-3 | PLASTIC LAMINATE | MANUFACTURER: FORMICA COLOR: GRAPHITE 837 LOCATION: RECEPTION |
| SC-1 | SEALED CONCRETE | MANUFACTURER: EUCLID CHEMICAL PRODUCT: ELCO DIAMOND HARD LOCATION: SEE FINISH PLAN | EB-1 | EPOXY BASE | MANUFACTURER: STONEHARD STYLE NAME: STONTECH TRF COLOR: ROCKY RIDGE FB-801 SIZE: 4" H LOCATION: SEE SCHEDULE | SS-1 | SOLID SURFACE | MANUFACTURER: HI MACS COLOR: BRINA Z202 LOCATION: SEE SCHEDULE |
| EF-1 | EPOXY FLOORING | MANUFACTURER: STONEHARD STYLE NAME: STONTECH TRF COLOR: ROCKY RIDGE FB-801 SIZE: 1/8" LOCATION: SEE FINISH PLAN | MB-1 | METAL BASE | MANUFACTURER: FRY RECLT COLOR: TBD IN CA SIZE: 4" H & 3/4" D LOCATION: WOOD paneled wall in LOBBY | SS-2 | SOLID SURFACE | MANUFACTURER: DURASEIN COLOR: DM3015 ICEBERG LOCATION: LOCKER ROOMS |
| RF-1 | RUBBER FLOORING | MANUFACTURER: PULASTIC STYLE NAME: CLASSIC 90 COLOR: 309 PIGEON BLUE SIZE: 9 MM THK LOCATION: TRACK | | | | QS-1 | SOLID SURFACE | MANUFACTURER: CAMBRIA COLOR: WHITEHALL LOCATION: RECEPTION DESK |
| RF-2 | RUBBER FLOORING | MANUFACTURER: PULASTIC STYLE NAME: CLASSIC 90 COLOR: 306 STEEL BLUE SIZE: 9 MM THK LOCATION: TRACK PERIMETER | | | | AWP-1 | ACOUSTICAL WALL PANELS | MANUFACTURER: STYLE: SIZES: 1A - 4'-0" W X 4'-0" H 1B - 4'-0" W X 8'-8" H THICKNESS: 2" LOCATION: GYM REFER TO ELEVATIONS FOR ACOUSTICAL PANEL FABRIC (AFP) # DIMENSIONS |
| SF-3 | SHEET FLOORING | MANUFACTURER: MANNINGTON STYLE NAME: ATTUNE COLOR: SOUTHERN OAK ANTIQUE SIZE: 7MM THK HETEROGENEOUS SHEET LOCATION: FITNESS ROOM | | | | AWP-2 | ACOUSTICAL WALL PANELS | MANUFACTURER: FRASCH ACOUSTICS STYLE: PLANK COLOR: 11 STEEL # 34 PURE GRAY SIZES: 1A - 6" X 48" 1B - 7 1/2" X 48" INSTALLATION: SEE ELEVATION ON A7.07 LOCATION: MULTI-PURPOSE ROOM |
| PC-1 | POLISHED CONCRETE | MANUFACTURER: AMERIPOLISH COLOR: AP GRAY LOCATION: SEE FINISH PLAN | | | | APP-1 | ACOUSTIC PANEL FABRIC | MANUFACTURER: MAHARAM STYLE: TEK-WALL RIDGE 300048 COLOR: 003 SIESTA INSTALLATION: SEE G1 ON SHEET A7.05 LOCATION: GYM |
| TST-1 | TILE STAIR TREAD | MANUFACTURER: DALTILE STYLE NAME: SOCIETY COLOR: PARK LANE GRAY 5047 - MATTE SIZE: 12" X 24" INSTALLATION: MONUMENTAL STAIR NOTE: TREADS TO HAVE GROOVED CHANNELS FINISH TO BE TILE TREADS AND RISERS | | | | APP-2 | ACOUSTIC PANEL FABRIC | MANUFACTURER: MAHARAM STYLE: SPIRAL 901 & 82 COLOR: 005 PAVEMENT INSTALLATION: SEE G1 ON SHEET A7.05 LOCATION: GYM |
| WF5-1 | WOOD FLOORING | MANUFACTURER: ROBBINS STYLE NAME: BIO-CHANNEL-5B THICKNESS: 1 3/4" (W/ 25/32" THICK FLOORING) LOCATION: GYM COURT MARKINGS: REFER TO FINISH PLAN | | | | TS-1 | TACKABLE SURFACE FABRIC | MANUFACTURER: CARNEGIE STYLE NAME: XOREL METEOR COLOR: 2022 LOCATION: RECEPTION DESK |
| WOC-1 | WALK-OFF MAT | MANUFACTURER: MILLIKEN STYLE NAME: OBEY CUTX FIZZ COLOR: DARK GREY SIZE: 24" X 24" LOCATION: VESTIBULES | | | | TP-1 | TOILET PARTITIONS | MANUFACTURER: SCRANTON STYLE NAME: HINY HINDERS FINISH: ORANGE PEEL COLOR: CHARCOAL LOCATION: LOCKER ROOMS |
| | | | | | | WDP-1 | WOOD PANEL | MANUFACTURER: PARKLEX STYLE NAME: NATURPANEL W-F INSTALLATION: TONGUE & GROOVED SYSTEM W BATTENS COLOR: NATURAL BEECH SIZE: 14 MM THK LOCATION: LOBBY |
| | | | | | | RS-1 | ROLLER SHADES | MANUFACTURER: DRAPER TYPE: MANUAL OPENESS: 1% FABRIC: SHEERWEAVE COLOR: TBD IN CA LOCATION: REFER TO RCP |

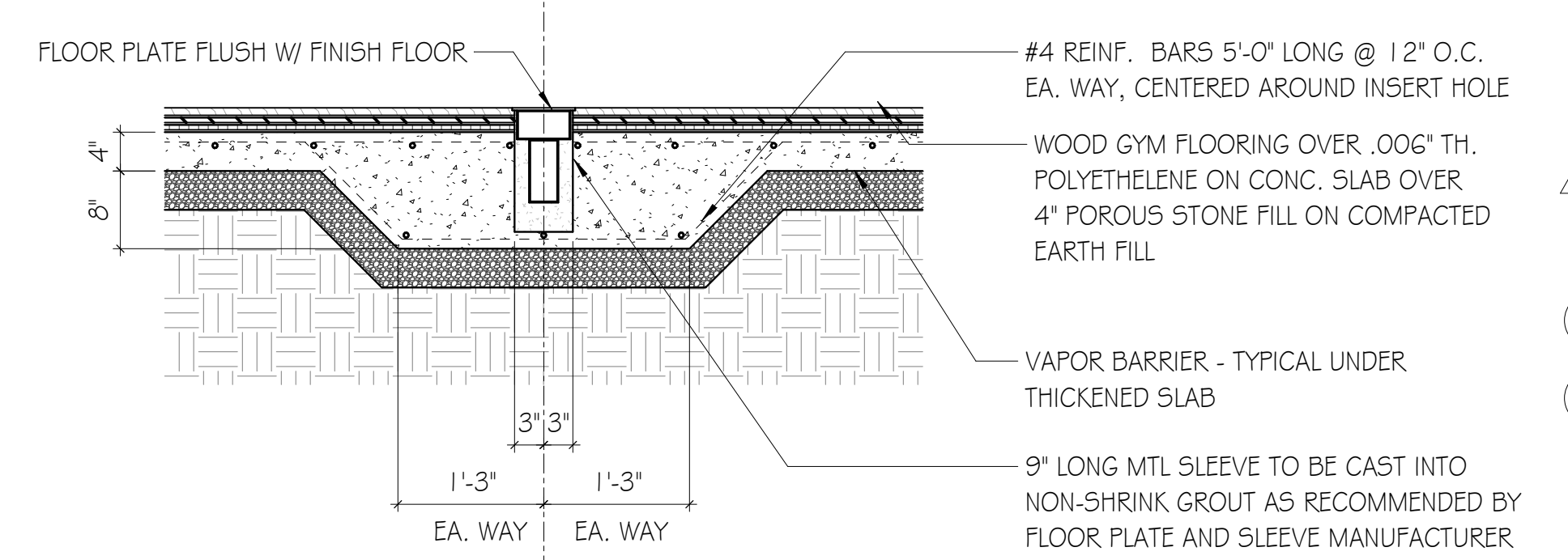
| TAG | DESCRIPTION | COMMENTS |
|-----|---|----------|
| S1 | RESIDENTIAL WASHER | OFOI |
| S2 | RESIDENTIAL DRYER | OFOI |
| S3 | KEURIG COFFEE MAKER | OFOI |
| S4 | SIDE BY SIDE REFRIGERATOR | OFOI |
| S6 | 2 TIER METAL LOCKER - 15" W x 18" D x 66" H | CFCI |
| S7 | 3 TIER PHENOLIC LOCKER - 15" W x 18" D x 56 1/2" H | CFCI |
| S8 | SUMMIT BIM44GADA UNDERCOUNTER ICE MACHINE | CFCI |
| S9 | MICROWAVE - UNDERCOUNTER CABINET INSTALL | OFOI |
| S10 | WALL MOUNTED PROJECTION SCREEN - MANUAL | CFCI |
| S11 | 3 TIER PHENOLIC LOCKER - 15" W x 18" D x 76" H | CFCI |
| S12 | ICE MACHINE - LARGE | OFOI |
| S13 | STAINLESS STEEL SHELF - ULINE H7500 - 60" W x 12" D x 10" H | CFCI |
| S21 | SQUARE ACOUSTICAL PANEL | CFCI |
| S23 | MIRROR - 4' W x 7' H | CFCI |
| S24 | MOUNTED BALLET BAR | CFCI |
| S25 | SCOREBOARD | CFCI |
| S32 | TV - 55" | OFOI |
| S33 | TV - 70" | CFCI |

| CDS # | CASEWORK TYPE | DESCRIPTION |
|-------|---------------|------------------------------------|
| 100 | BASE CAB | OPEN W/ ADJUSTABLE SHELVES |
| 102 | BASE CAB | DBL DOOR |
| 153 | BASE CAB | FALSE DRWR / REMOVABLE TOE FOR ADA |
| 211 | BASE CAB | SGL DOOR / SGL DRWR |
| 222 | BASE CAB | DBL DOORS / DBL DRWRS |
| 230 | BASE CAB | 3 FILES |
| 301 | WALL CAB | SGL DOOR |
| 302 | WALL CAB | DBL DOORS |
| 402 | TALL STG | DBL DOOR |
| ADA | BASE CAB | ADA SINK |
| MCWV | TALL STG | MICROWAVE CABINET |
| MWBC | BASE CAB | MICROWAVE CABINET |

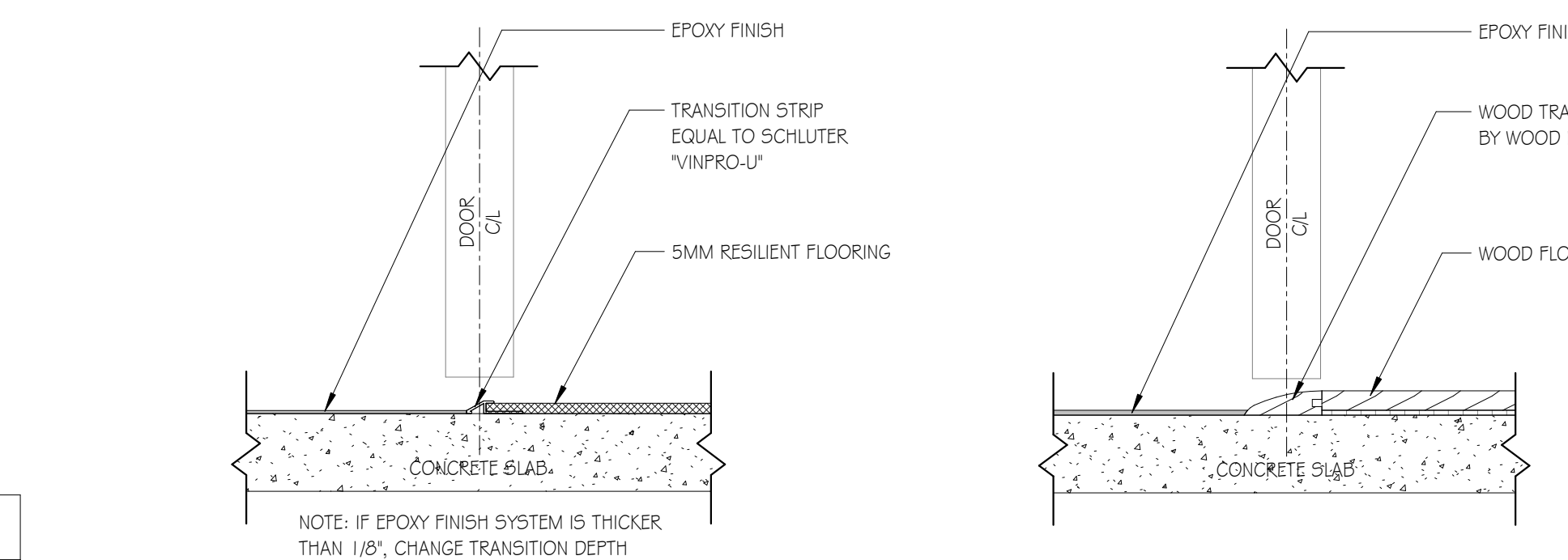
| TAG | DESCRIPTION | COMMENTS |
|------|---|----------|
| TA02 | TOILET TISSUE DISP - SGL JUMBO ROLL | OFCI |
| TA12 | WASTE RECEPTACLE, SURFACE MOUNT, SMALL | CFCI |
| TA18 | SOAP DISPENSER, SURFACE-MOUNT, MANUAL (LIQUID TYPE) | OFCI |
| TA23 | 18" VERTICAL GRAB BAR | CFCI |
| TA24 | 36" HORIZONTAL GRAB BAR | CFCI |
| TA25 | 42" HORIZONTAL GRAB BAR | CFCI |
| TA26 | 30" HORIZONTAL GRAB BAR | CFCI |
| TA27 | 48" HORIZONTAL GRAB BAR | CFCI |
| TA31 | MIRROR, CHANNEL FRAMED WITHOUT SHELF (24 x 36 INCHES) | CFCI |
| TA32 | MIRROR, CHANNEL FRAMED (24 x 60 INCHES) | CFCI |
| TA33 | ROBE HOOK | CFCI |
| TA36 | SANITARY NAPKIN DISPOSAL - SURF-MT, BOTTOM HINGED | CFCI |
| TA41 | HEAVY DUTY SHOWER ROD | CFCI |
| TA42 | SHOWER CURTAIN | CFCI |
| TA55 | DIAPER CHANGING STATION, SURFACE-MOUNT | CFCI |
| TA80 | WARM AIR HAND DRYER | CFCI |
| TA95 | MOP & BROOM HOLDER WITH UTILITY SHELF | CFCI |



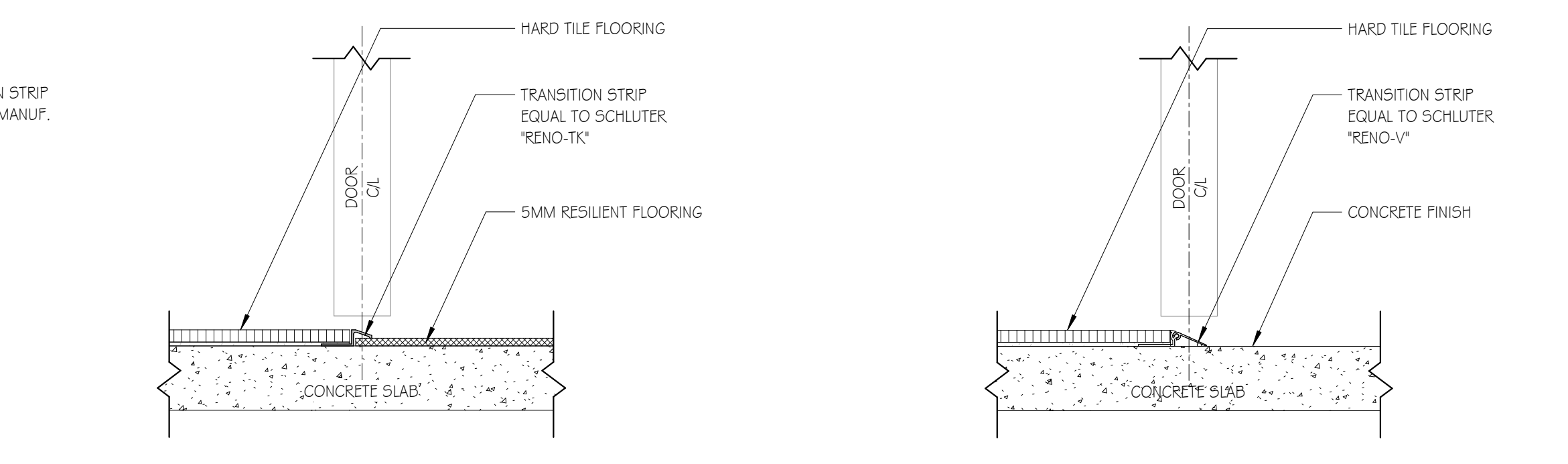
B11 RFS TO CONCRETE SCALE: 3" = 1'-0"
B7 CARPET TO CONCRETE SCALE: 3" = 1'-0"



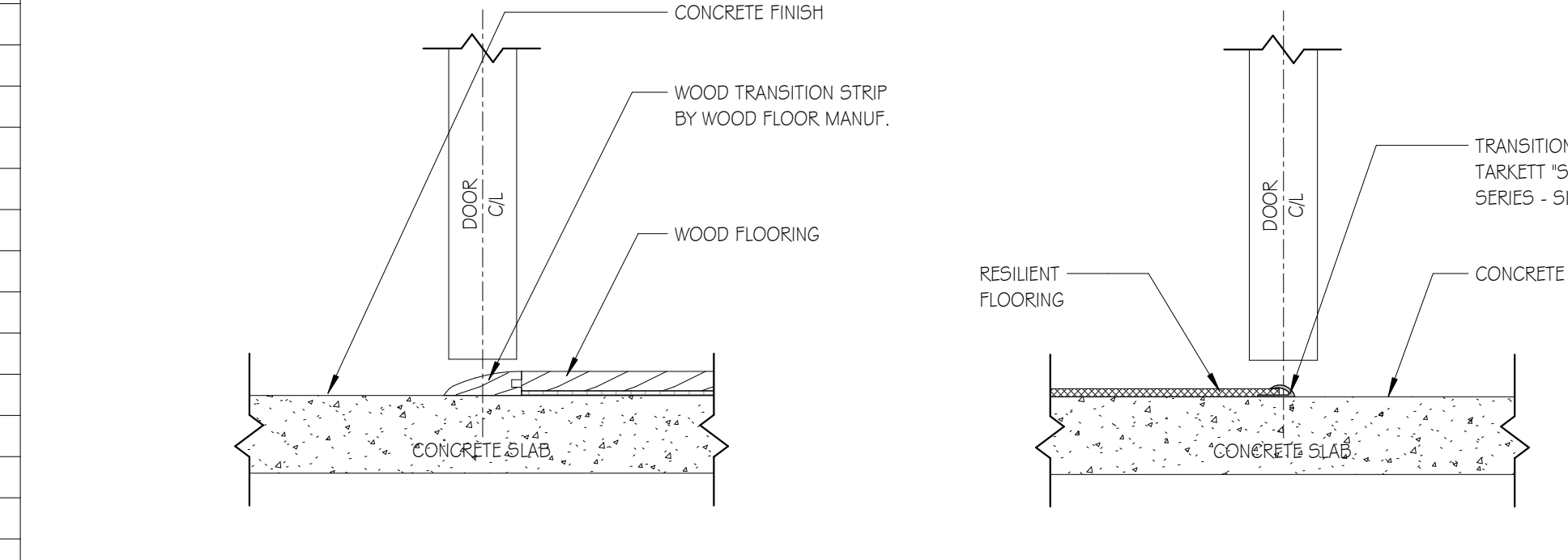
D3 VOLLEYBALL POST FLOOR DETAIL SCALE: 3/4" = 1'-0"



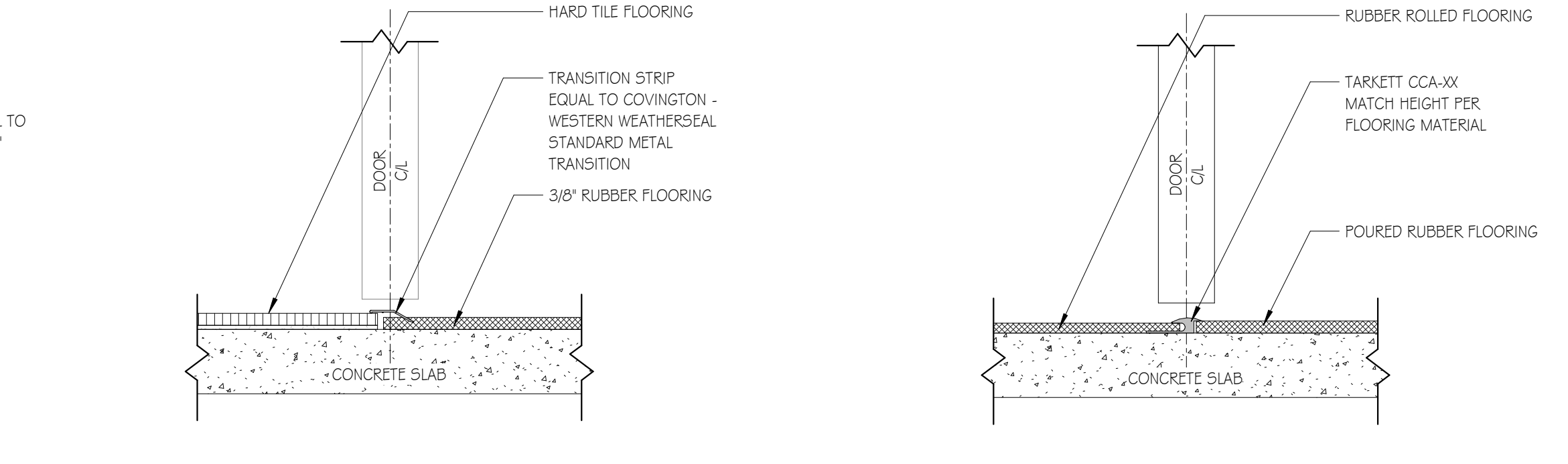
B3 EPOXY TO 5MM RESILIENT SCALE: 3" = 1'-0"
B5 EPOXY TO WOOD SCALE: 3" = 1'-0"



A11 HARD TILE TO 5MM RESILIENT SCALE: 3" = 1'-0"
B9 HARD TILE TO CONCRETE SCALE: 3" = 1'-0"



A3 CONCRETE TO WOOD SCALE: 3" = 1'-0"
A5 RESILIENT TO CONCRETE SCALE: 3" = 1'-0"



A7 HARD TILE TO RFS SCALE: 3" = 1'-0"
A9 Poured RFS TO ROLLED RFS SCALE: 3" = 1'-0"

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|-------------|------------|----|------------|
| IFB SET | 05/28/2024 | | |
| Addendum 02 | 06/14/2024 | | |

DRAWN BY: Author

CHECKED BY: Checker

FINISH LEGEND

A8.01

ROOFTOP AC UNIT SCHEDULE - GAS HEAT

Table with columns: MARK, SERVES, SUPPLY FAN (CFM, OSA, E.S.P. IN. W.G., HP), COOLING CAPACITY (SENSIBLE MBH, TOTAL MBH), HEATING CAPACITY (ENT. AIR, L.V.G. AIR, INPUT MBH, OUTPUT MBH, ENT. AIR F), REHEAT COIL (ENT. AIR, L.V.G. AIR), ACCESSORIES, MIN SEER/EEER, NOMINAL TONS, ELECTRICAL (VOLT V/Ø, MCA, RECOMMENDED FUSE), BASIS OF DESIGN (TRANE).

FAN SCHEDULE

Table with columns: MARK, SERVES, LOCATION, TYPE, CFM, E.S.P. IN. W.G., LIMIT, MOTOR (WATTS, V/Ø), ACCESSORIES, INTERLOCK, BASIS OF DESIGN (GREENHECK). Includes notes on fan types and accessories.

GRAVITY VENT SCHEDULE

Table with columns: MARK, SERVICE, TYPE, AIR FLOW CFM, MAX. AP IN. W.G., ACCESSORIES, BASIS OF DESIGN (GREENHECK). Includes notes on vent type and accessories.

HEAT PUMP UNIT SCHEDULE - AIR COOLED (ERU)

Table with columns: MARK, SERVES, ACCESSORIES, NOMINAL TON, MIN. SEER/EEER, ELEC. (VOLT V/Ø, MCA, RECOMMENDED FUSE), BASIS OF DESIGN (TRANE). Includes notes on capacity and accessories.

VARIABLE REFRIGERANT FLOW ZONING SYSTEM BRANCH CONTROLLER SCHEDULE

Table with columns: MARK, SERVES, ELEC. V/Ø, NUMBER OF BRANCH CONNECTIONS, BASIS OF DESIGN (TRANE). Includes notes on equipment and connections.

VARIABLE REFRIGERANT FLOW ZONING SYSTEM INDOOR UNIT SCHEDULE

Table with columns: MARK, SERVES, TYPE, SUPPLY FAN (CFM, (kW), OSA), COOLING CAPACITY (TOTAL MBH, ENT. AIR *Fdb, *Fwb), HEATING CAPACITY (MBH, ENT. AIR *F), ACCESSORIES, ELECTRICAL V/Ø, NOMINAL TONS, MCA/MOP, BASIS OF DESIGN (MITSUBISHI).

VARIABLE REFRIGERANT FLOW ZONING SYSTEM OUTDOOR UNIT SCHEDULE

Table with columns: MARK, SERVES, ACCESSORIES, ELEC. V/Ø, MCA, MOCP, NOMINAL COOLING CAPACITY (MBH), NOMINAL HEATING CAPACITY (MBH), BASIS OF DESIGN (TRANE). Includes notes on capacity and accessories.

ELECTRIC HEATER SCHEDULE

Table with columns: MARK, SERVES, TYPE, CAPACITY, ELECTRICAL V/Ø, ACCESSORIES, BASIS OF DESIGN (MARKEL). Includes notes on heater types and accessories.

ONE LINE PIPE SYMBOLS

Table of pipe symbols including Elbow, Tee, Cap, Reducer, Direction of Pitch, Pipe to Floor Drain, Emergency Management System, Condensate Drain, Ball Valve, and Union.

DUCTWORK SYMBOLS

Table of ductwork symbols including Thermostat, Humidistat, Temperature Sensor, Supply/Return/Exhaust Air Duct, Cubic Feet per Minute, Energy Management System, Automatic Temp Controls, Carbon Dioxide, Parts per Million, Round Diameter, Elliptical Ducts, Streamline Taps, Straight/Lateral/Manual/Motorized Volume Dampers, Fire Dampers, Smoke Dampers, Rectangular/Round Ducts, Flexible Duct, Supply/Return/Exhaust Ducts, Ceiling Diffusers, Return Air Grilles, Exhaust Air Grilles, Access Panels, and Access Panels in Round/Oval Ducts.

LOUVER SCHEDULE

Table with columns: MARK, TYPE, WIDTH, HEIGHT, DEPTH, ACCESSORIES, FINISH, BASIS OF DESIGN (GREENHECK). Includes notes on louver types and finishes.



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ENERGY RECOVERY UNIT - WITH DX COOLING & GAS HEATING

| MARK | SERVES | TYPE | OUTSIDE AIR | | | | EXHAUST AIR | | | | TOTAL EFFECTIVENESS | | COOLING COIL CAPACITY | | | | | REHEAT CAPACITY | | HEATING CAPACITY | | | ELECTRICAL | | | ACCESSORIES | BASIS OF DESIGN | | | | | | | |
|-------|---------------------|------|-------------|------------|------------|------|-----------------|----------|------------|------------|---------------------|------|-----------------------|-----------------|----------|--------|--------|-----------------|----------|------------------|--------------------|----------------------|------------|-------------|------|-------------|-----------------|------------|------------|-------|-------|------|--|-------------------------------------|
| | | | SUMMER Fdb | SUMMER Fwb | WINTER Fdb | CFM | E.S.P. IN. W.G. | FAN H.P. | SUMMER Fdb | SUMMER Fwb | WINTER Fdb | % RH | CFM | E.S.P. IN. W.G. | FAN H.P. | SUMMER | WINTER | COIL CFM | AIR ENT. | | SUCTION TEMP. (°F) | MAX. FACE VEL. (FPM) | MBH | AIR LVG(°F) | CFM | | | OUTPUT MBH | ENT. AIR F | V/Ø | MCA | MOCP | | |
| | | | | | | | | | | | | | | | | | | | *Fdb | *Fwb | | | | | | | | | | | | | *Fdb | *Fwb |
| ERU-1 | GYM | A | 95.0 | 78.0 | 17.0 | 6000 | 1.00 | 4.0 | 90.8 | 75.1 | 27.8 | - | 6250 | 1.00 | 5 | 63.0 | 64.0 | 6000 | 81.8 | 69.0 | 49.0 | 49.0 | 48.7 | 345.0 | - | - | 6000 | 283.5 | 50.6 | 460/3 | 80 | 100 | [1] [2] [3] [4] [5] [6] [7] [8] [9] [10] [11] [12] [13] [14] [15] [16] [17] [18] [19] [20] [21] [22] [23] [24] [25] [26] | TRANE HORIZON (OAD/ REV6-GADG/OANG) |
| ERU-2 | 1ST FLOOR & FITNESS | B | 95.0 | 78.0 | 17.0 | 3500 | 1.00 | 2 @ 5.0 | 90.8 | 75.1 | 27.8 | - | 2800 | 1.00 | 2 @ 5.0 | 56.8 | 76.4 | 3500 | 82.4 | 71.6 | 53.0 | 53.0 | 42.4 | 276.0 | 89.7 | 118 | 3500 | 261.8 | 50.3 | 460/3 | 105.2 | 110 | [2] [3] [4] [5] [6] [7] [10] [11] [12] [13] [14] [16] [17] [19] [20] [21] [22] [23] [24] [25] [26] [27] [28] [29] | RENEWAIRE DN-5 |
| ERU-3 | MULTI-PURPOSE | B | 95.0 | 78.0 | 17.0 | 950 | 1.00 | 5.0 | 90.8 | 75.1 | 27.8 | - | 750 | 1.00 | 5.0 | 62.2 | 79.9 | 950 | 82.1 | 71.1 | 53.0 | 53.0 | 42.4 | 228.0 | 18.4 | 118 | 950 | 68.6 | 51.2 | 460/3 | 29.9 | 30 | [2] [3] [4] [5] [6] [7] [10] [11] [12] [13] [14] [16] [17] [19] [20] [21] [22] [23] [24] [25] [26] [27] [28] [29] | RENEWAIRE DN-2 |

TYPES:
A: PACKAGED ERU W/ TOTAL ENERGY RECOVERY WHEEL WITH GAS HEAT & DX COOLING (BOTTOM DISCHARGE/INTAKE)
B: ERU WITH FIXED CORE TOTAL ENERGY RECOVERY WITH ELECTRIC HEAT & DX COOLING WITH REMOTE HEAT PUMP UNIT

ACCESSORIES:
 [1] 12" HIGH ROOF CURB WITH SPRING VIBRATION ISOLATION RAIL
 [2] DOUBLE WALL CONSTRUCTION WITH 2" THICK FOAM INSULATION (R-13)
 [3] BAKED ENAMEL FINISH
 [4] ACCESS DOORS WITH HINGES & COMPRESSION LATCHES.
 [5] MOTORIZED LOW LEAK OSA DAMPER
 [6] MOTORIZED LOW LEAK EXHAUST DAMPER
 [7] 2" THICK PLEATED FILTER - OSA AND EXHAUST FACE VELOCITY NOT TO EXCEED 500 FPM. OSA: MERV-3; EXHAUST: MERV-8
 [8] TOTAL ENERGY WHEEL (SENSIBLE AND LATENT)
 [9] WHEEL ROTATION START-STOP RELAY
 [10] PURGE SECTION
 [11] WHEEL ROTATION SENSOR
 [12] DX COOLING COIL
 [13] STAINLESS STEEL DRAIN PAN
 [14] MODULATING HOT GAS REHEAT COIL W/REMOTE HUMIDITY SENSOR

[15] INTEGRAL CONDENSING UNIT
 [16] DIGITAL SCROLL COMPRESSORS
 [17] RECIRCULATION DAMPER
 [18] STAINLESS STEEL GAS COMBUSTION HEAT EXCHANGER WITH MODULATING GAS HEAT 4:1 TURNDOWN
 [19] SINGLE POINT POWER CONNECTION
 [20] 120V NEMA 3R OUTLET (FIELD WIRED)
 [21] FACTORY MOUNTED & PROGRAMMED DDC CONTROL WITH TIE-IN CAPABILITY TO VRF CONTROL SYSTEM
 [22] VFD FOR S/A FAN
 [23] VFD FOR E/A FAN
 [24] EQUIPMENT TO BE UL OR ETL LISTED AND LABELED AS A UNIT
 [25] DIRECT DRIVE PLENUM FANS (SUPPLY + EXHAUST)
 [26] FROST CONTROL
 [27] REMOTE CONDENSING UNIT
 [28] TOTAL ENERGY RECOVERY FIXED CORD (SENSIBLE AND LATENT)
 [29] ELECTRIC HEATER WITH SCR CONTROL

NOTES:
 1. EXHAUST FAN CAPACITY SHALL BE ADJUSTED FOR PURGE AIR AS REQUIRED TO LIMIT CROSS CONTAMINATION TO 2% OR LESS.
 2. PROVIDE STARTUP BY A FACTORY TRAINED TECHNICIAN.
 3. SEE SPECIFICATIONS & CONTROL DIAGRAM FOR MINIMUM INSTRUMENTATION POINTS, SEQUENCE & CONTROL INTERFACE REQUIREMENTS.
 4. UNIT SHALL BE CONSTRUCTED FOR OUTDOOR USE. (ERU-1 ONLY)
 5. VFD'S SHALL BE FACTORY MOUNTED AND WIRED.
 6. R-410A REFRIGERANT

| MARK | TYPE | LEGEND | RUNOUT | REMARKS | MFG / MODEL |
|-----------------|--|--|---|---|----------------------------|
| LD(X)Y(Z) CFMFD | LOUVER FACE LAY-IN CEILING DIFFUSER | X = SQUARE NECK SIZE Y = RECTANGULAR NECK SIZE Z = THROW, 4-WAY U.N.O. FD = WITH CEILING RADIATION DAMPER & BLANDET | NECK SIZE 6X6 8"Ø 9X9 8"Ø 12X12 10"Ø 15X15 12"Ø | OBQ - W/ ACCESSIBLE OPERATING LEVER (SEE NOTE 4 & 5 BELOW) EQUALIZING GRID FOR NECK SIZES 6X6 TO 9X9 PROVIDE SQUARE TO ROUND ADAPTOR FOR NECK SIZES 12X12 & LARGER PROVIDE EXTERNALLY INSULATED SIDE TAP SUPPLY PLENUM. | TITUS / TDC BORDER NO.3 |
| EX SR(X)Y CFM | EX SIDE WALL SUPPLY REGISTER | XY = RECTANGULAR NECK SIZE | SEE PLANS | OBQ, VERTICAL FRONT BLADES, HORIZONTAL REAR BLADES | TITUS / 300F |
| SR(X)Y CFM | SIDE WALL SUPPLY REGISTER | XY = RECTANGULAR NECK SIZE | SEE PLANS | OBQ, VERTICAL FRONT BLADES, HORIZONTAL REAR BLADES | TITUS / 300F |
| EX WRG(X)Y CFM | EX WALL RETURN GRILLE | XY=RECTANGULAR NECK SIZE | SEE PLANS | HORIZONTAL BARS SET AT 0 DEGREE AT 1/2" SPACING, HEAVY DUTY CONSTRUCTION | TITUS / 33RL PLASTER FRAME |
| WRG(X)Y CFM | WALL RETURN GRILLE | XY=RECTANGULAR NECK SIZE | SEE PLANS | HORIZONTAL BARS SET AT 0 DEGREE AT 1/2" SPACING, HEAVY DUTY CONSTRUCTION | TITUS / 33RL PLASTER FRAME |
| RD(X) CFM | ROUND CEILING DIFFUSER-ADJUSTABLE HEAVY DUTY | X = ROUND NECK SIZE | ROUND RUNOUT = NECK SIZE | OBQ | TITUS / XC-310 |

AIR DEVICE SCHEDULE NOTES:
 1. CFM = AIR FLOW (TYPICAL ALL AIR DEVICES)
 2. COORDINATE BORDER/FRAME TYPE WITH ARCH REFLECTED CEILING PLAN.
 3. DIRECTION ARROWS ON DRAWINGS SHOW FLOW PATTERN.
 4. USE SUPPLY DIFFUSERS WITH O.B.D. IN DRYWALL OR INACCESSIBLE CEILINGS.
 5. USE SUPPLY DIFFUSERS WITHOUT O.B.D. IN LAY-IN OR ACCESSIBLE CEILINGS.

MINI SPLIT SYSTEM UNIT SCHEDULE - HEAT PUMP

| INDOOR UNIT MARK | OUTDOOR UNIT MARK | SERVES | TYPE | SUPPLY FAN CFM | COOLING CAPACITY | | | | MAX REFRIG PIPING LENGTH (FT) | HEATING CAPACITY TOTAL MBH | ACCESSORIES | NOMINAL TONS | ELECTRICAL | | | | | BASIS OF DESIGN (MITSUBISHI) (INDOOR/OUTDOOR) |
|------------------|-------------------|----------------|------|----------------|------------------|-----------|----------|------|-------------------------------|----------------------------|-------------------------|--------------|-------------|--------------|----------|-----|-------|---|
| | | | | | SENSIBLE MBH | TOTAL MBH | ENT. AIR | | | | | | INDOOR UNIT | OUTDOOR UNIT | | | | |
| | | | | | | | *Fdb | *Fwb | | | | | | FLA | VOLT V/Ø | MCA | MOCP | |
| DS-1 | DSHP-1 | STORAGE | [B] | 500 | 5.8 | 12.0 | 80.0 | 67.0 | 165.0 | 12.0 | [1] [2] [3] [4] [5] [6] | 1 | 0.28 | 208/1 | 11 | 15 | 208/1 | PLA-A12EA8 / PUZ-A12NKA7 |
| DS-2 | DSHP-2 | MAIN ELEC. 125 | [A] | 455 | 13.1 | 18.0 | 80.0 | 67.0 | 165.0 | 18.0 | [1] [2] [3] [4] [5] | 1.5 | 0.19 | 208/1 | 11 | 15 | 208/1 | PKA-A18LA / PUZ-A18NKA7 |
| DS-3 | DSHP-3 | DATA 124 | [A] | 325 | 10.5 | 12.0 | 80.0 | 67.0 | 165.0 | - | [1] [2] [3] [4] [5] | 1.0 | 0.19 | 208/1 | 11 | 15 | 208/1 | PKA-A12LA / PUZ-A12NKA7 |
| DS-4 | DSHP-4 | DATA 205 | [A] | 325 | 10.5 | 12.0 | 80.0 | 67.0 | 165.0 | 12.0 | [1] [2] [3] [4] [5] | 1.0 | 0.19 | 208/1 | 11 | 15 | 208/1 | PKA-A18LA / PUZ-A18NKA7 |

TYPE:
 [A] WALL MOUNTED (PKA TYPE)
 [B] CEILING CASSETTE (PLA TYPE)

NOTES:
 A. CAPACITIES ARE MINIMUM NET CAPACITIES
 B. COOLING: CAPACITY RATED AT 95°F AMBIENT.
 C. INDOOR UNITS RECEIVE POWER FROM OUTDOOR UNITS THROUGH FIELD SUPPLIED INTERCONNECTING WIRING.
 D. MINIMUM SEER = 13.0 AT AHRI 210/240 CONDITIONS

ACCESSORIES:
 [1] MICROPROCESSOR BASED CONTROLS W/ HARDWIRED REMOTE CONTROLLER
 [2] CONDENSATE PUMP TO RAISE DRAIN WATER 20 INCHES ABOVE CEILING WITH SAFETY SWITCH TO SHUTDOWN UNIT ON HIGH LEVEL.
 [3] WASHABLE FILTER
 [4] WIND BAFFLE FOR LOW AMBIENT COOLING TO 0 DEGREE F.
 [5] EQUIPMENT TO BE UL OR ETL LISTED AND LABELED
 [6] 4-WAY AIRFLOW CONTROL

OSA CALCULATIONS PER IMC 2021 & ASHRAE 62.1- 2022 (ERU-3)

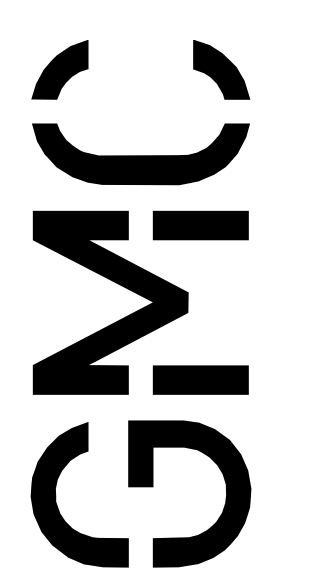
| ZONE IDENTIFICATION | | ASHRAE STANDARD 62.1-2022 VENTILATION RATE PROCEDURE | | | | | | | DESIGN CASE | | | | |
|---------------------|------------------------|--|-------------------------------------|--------------------------------|-------------|----------------|---------|--|--|-------------------------|--------------------------------|--------------------------------|--------------------------------------|
| ROOM NAME/ NUMBER | OCCUPANCY CATEGORY | AREA [ft2] | PEOPLE OUTDOOR RATE Rp [CFM/Person] | AREA OUTDOOR RATE Ra [CFM/ft2] | # OCCUPANTS | Rp* OCCUPANT S | AREA*Ra | BREATHING ZONE OUTDOOR AIRFLOW Vbz [CFM] | Table 6-2 Zone Air Distribution Effectiveness Ez | ZONE EFFECTIVENESS S Ez | ZONE OUTDOOR AIRFLOW Voz [CFM] | ZONE PRIMARY AIRFLOW Vpz [CFM] | ZONE PRIMARY OUTDOOR AIR FRACTION Zp |
| CATERING 112 | Dining Room | 185 | 7.5 | 0.18 | 5 | 38 | 33 | 71 | Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return | 0.8 | 89 | 500 | 0.18 |
| MULTI-PURPOSE 115 | Multi-purpose assembly | 1315 | 5 | 0.06 | 144 | 720 | 79 | 799 | Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return | 0.8 | 999 | 4500 | 0.22 |

Total Population ΣPz 149
 System Population Ps 149
 Diversity Ps/ΣPz 1

UNCORRECTED OUTDOOR AIR INTAKE 870
 MAXIMUM Zp 0.22
 Ev* 0.93

TOTAL OSA REQUIRED Vol 935
 TOTAL S/A BY UNIT AT CONDITION ANALYZED 5000

| | |
|----------------------------|---------|
| OSA DESIGN CONDITION | HEATING |
| TOTAL OSA REQUIRED | 935 |
| TOTAL OSA PROVIDED BY UNIT | 950 |



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| CHECKED BY: | J. DEERMAN |

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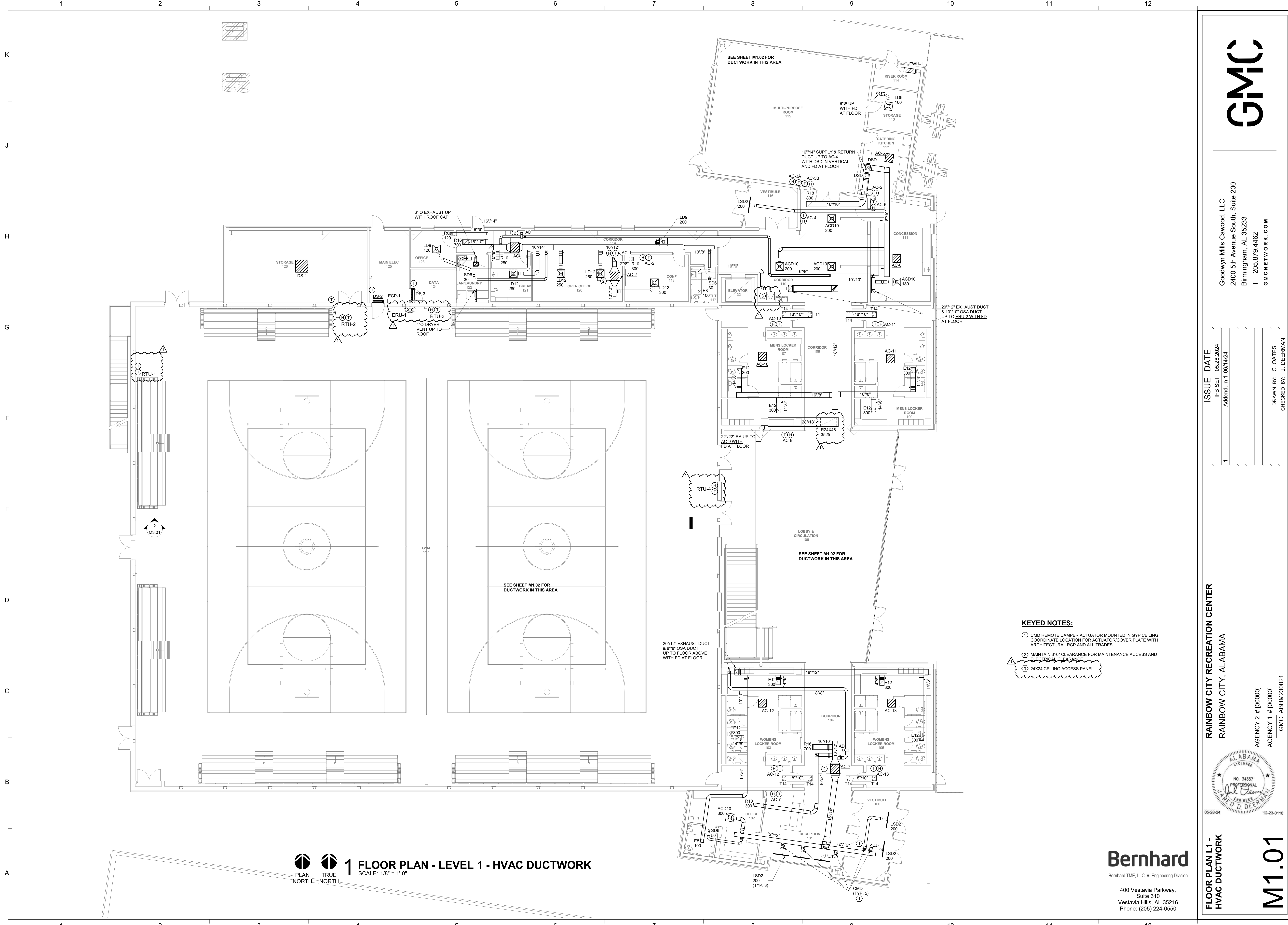
SCHEDULES & OSA SCHEDULE - HVAC

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1 FLOOR PLAN - LEVEL 1 - HVAC DUCTWORK
SCALE: 1/8" = 1'-0"
PLAN TRUE NORTH

KEYED NOTES:
① CMD REMOTE DAMPER ACTUATOR MOUNTED IN GYP CEILING. COORDINATE LOCATION FOR ACTUATOR/COVER PLATE WITH ARCHITECTURAL RCP AND ALL TRADES.
② MAINTAIN 3'-0" CLEARANCE FOR MAINTENANCE ACCESS AND ELECTRICAL CLEARANCE.
③ 24X24 CEILING ACCESS PANEL.

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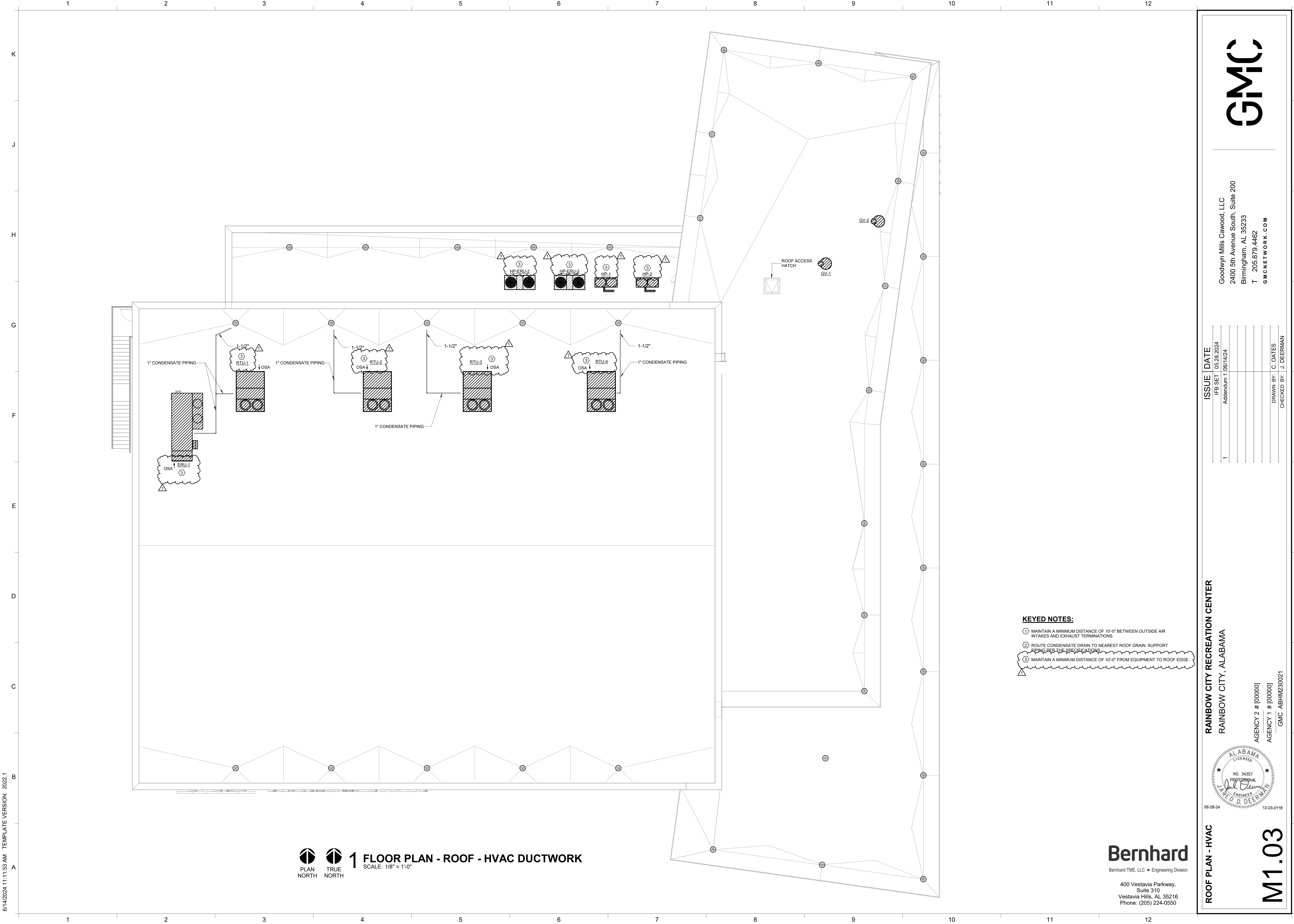
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FLOOR PLAN L1 - HVAC DUCTWORK
M1.01

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1 FLOOR PLAN - ROOF - HVAC DUCTWORK
 PLAN NORTH TRUE NORTH
 SCALE: 1/8" = 1'-0"

- KEYED NOTES:**
- ① MAINTAIN A MINIMUM DISTANCE OF 10'-0" BETWEEN OUTSIDE AIR INTAKES AND EXHAUST TERMINATIONS.
 - ② ROUTE CONDENSATE DRAIN TO NEAREST ROOF DRAIN. SUPPORT PIPING PER THE SPECIFICATIONS.
 - ③ MAINTAIN A MINIMUM DISTANCE OF 10'-0" FROM EQUIPMENT TO ROOF EDGE.

ROOF PLAN - HVAC

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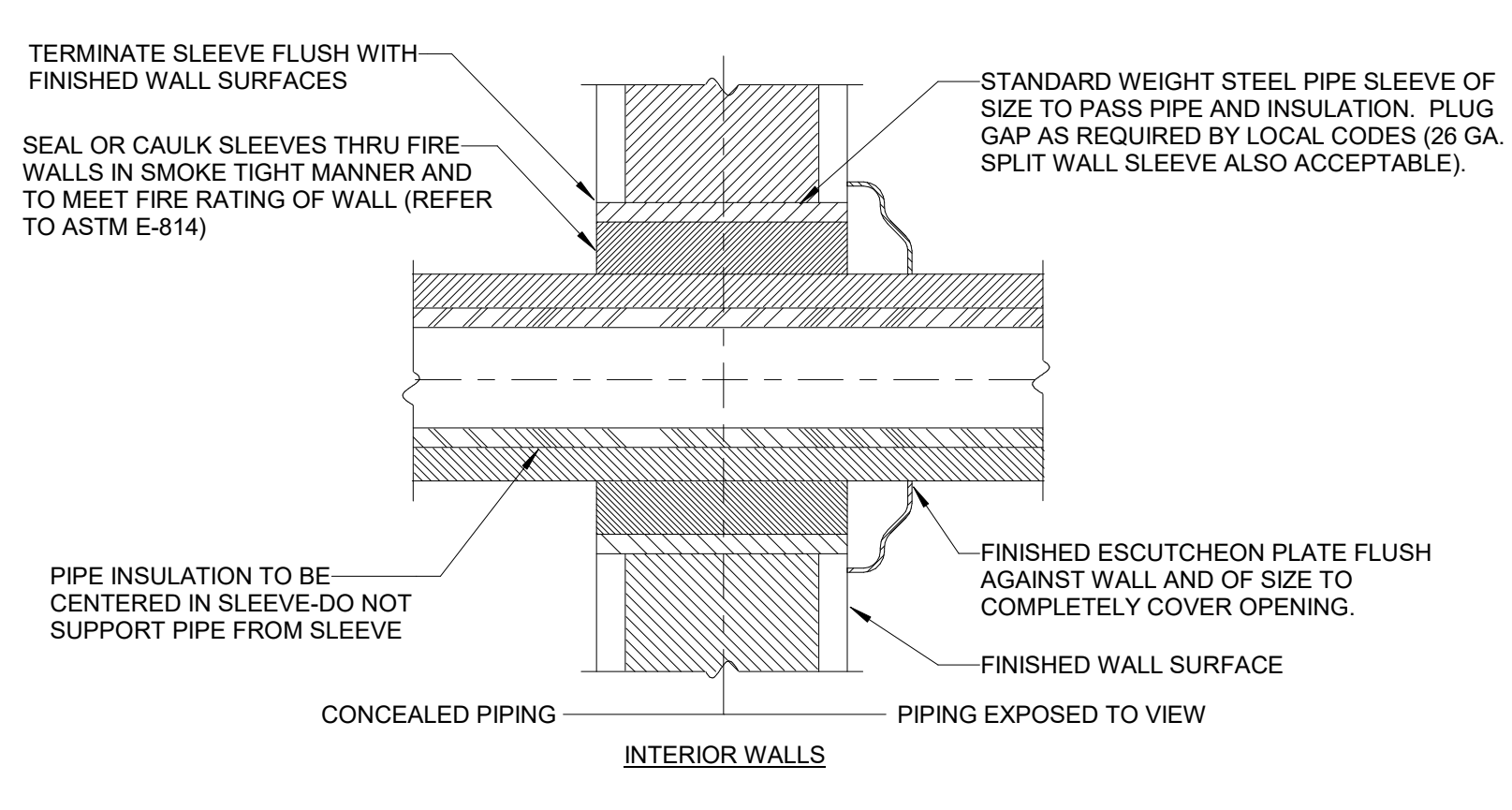


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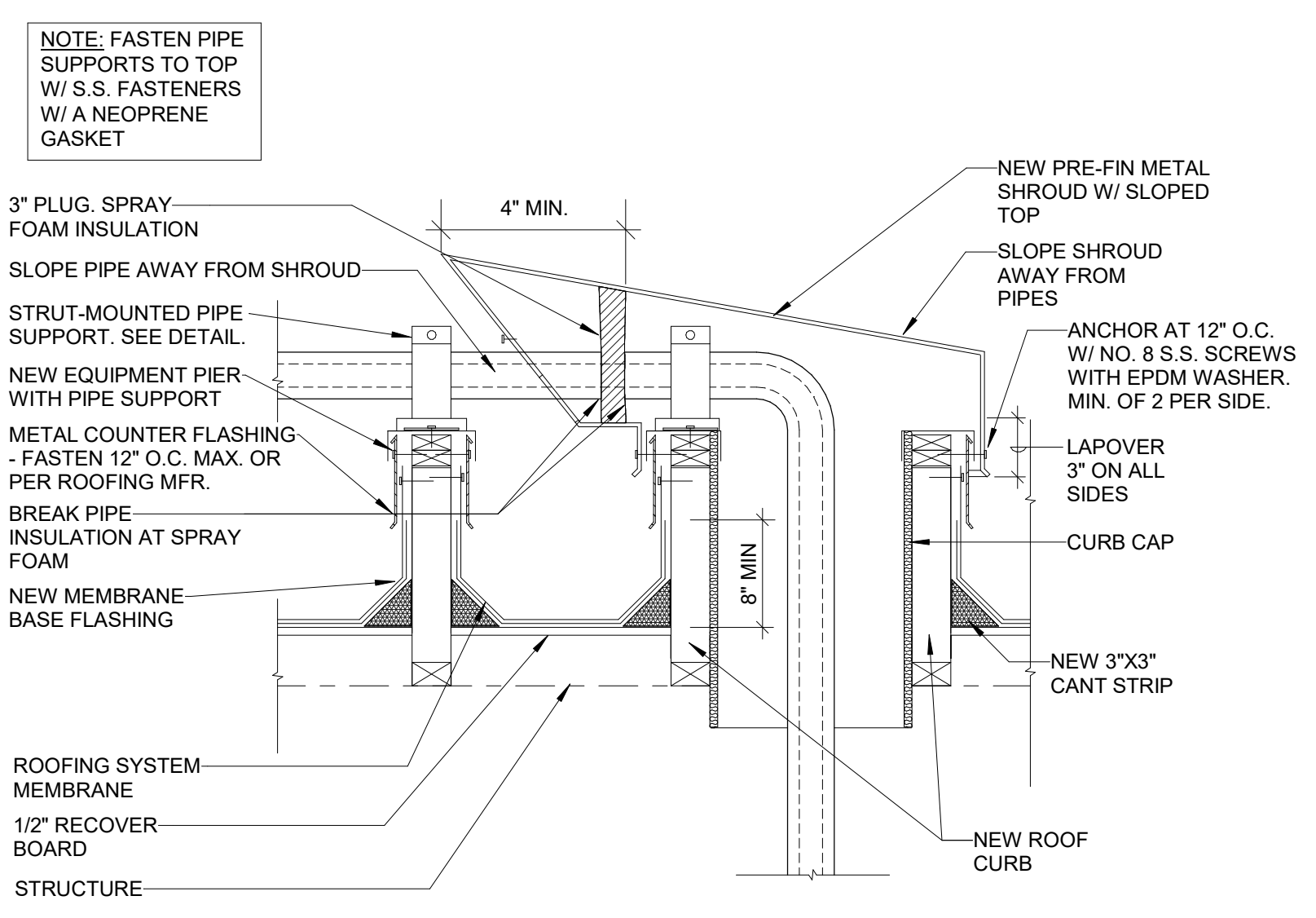
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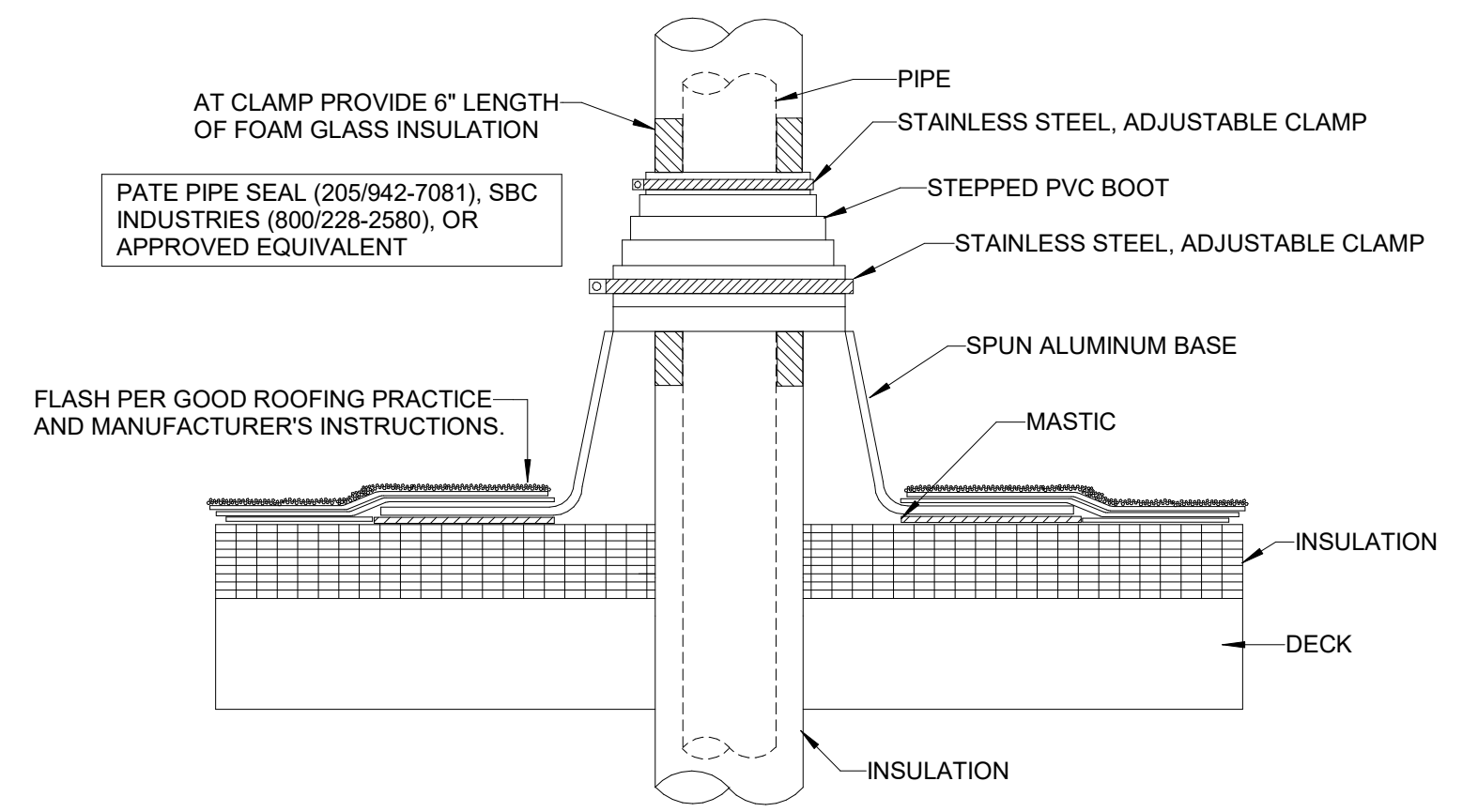
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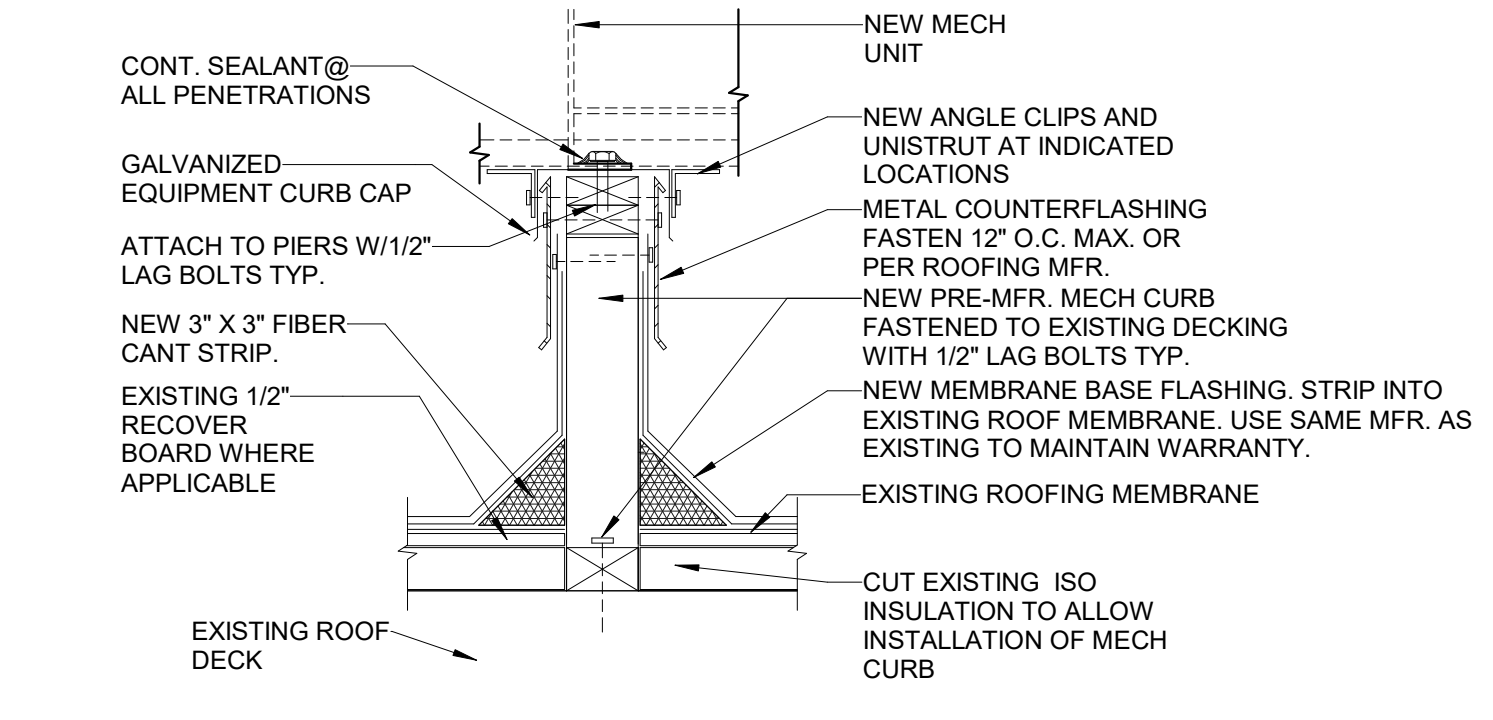
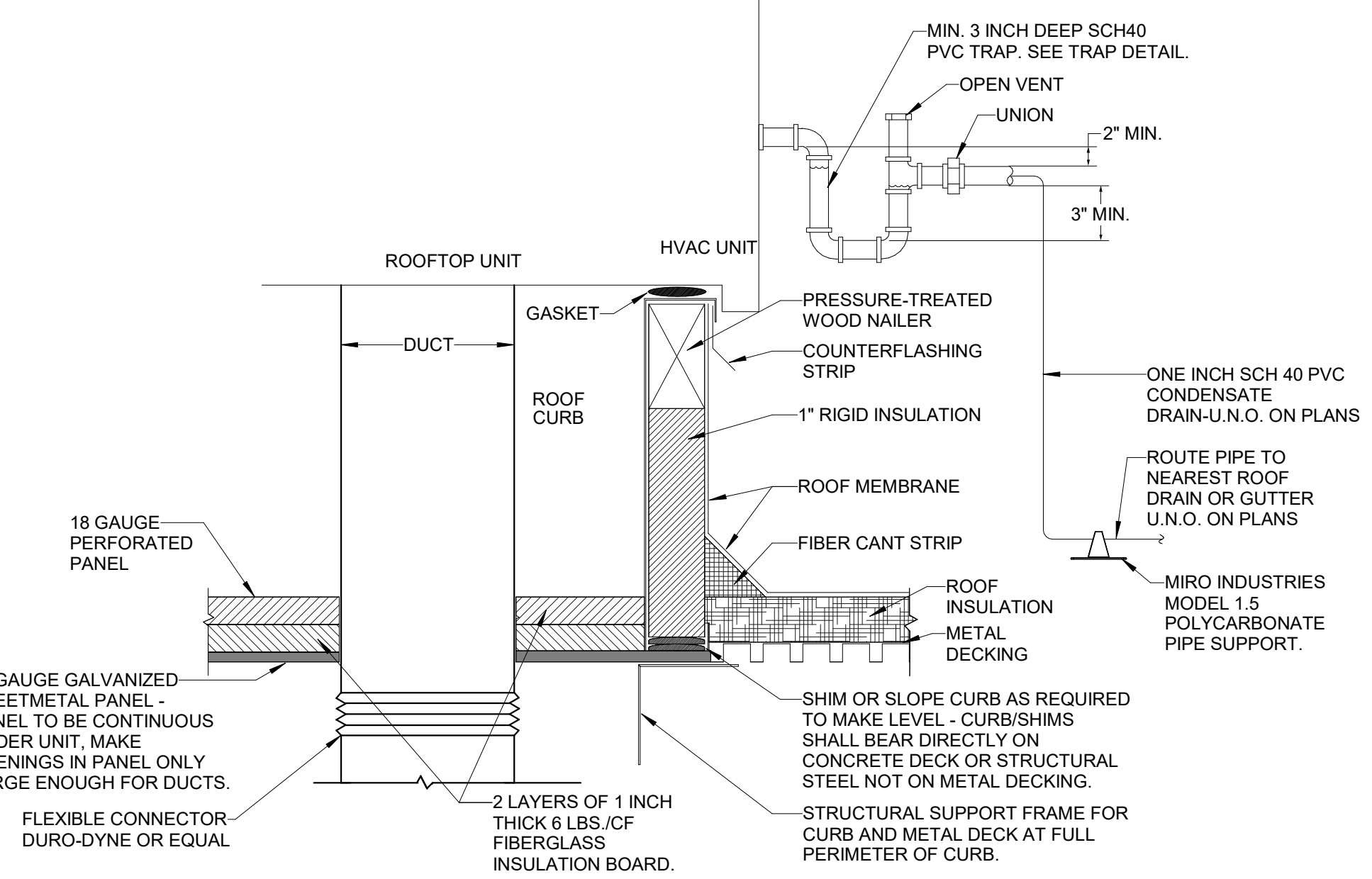
1 PIPE SLEEVE THRU WALL DETAIL
SCALE: NOT TO SCALE.



2 ROOF PIPE PENETRATION DETAIL
SCALE: NOT TO SCALE.



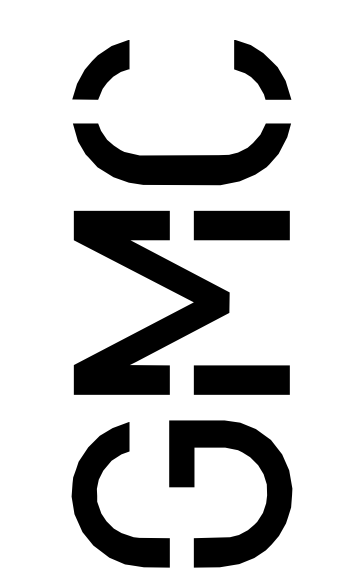
3 PIPE SEAL AT ROOF PENETRATION DETAIL
SCALE: NOT TO SCALE.



4 MINI SPLIT ROOF DETAIL
SCALE: NOT TO SCALE.

- NOTES:**
- FACTORY ROOF CURB TO BE NRCA APPROVED. MIN. 18 GAUGE. HEIGHT TO BE MIN. 8" ABOVE TOP OF ROOF INSULATION.
 - FASTEN ROOFTOP UNIT TO STRUCTURAL FRAMING WITH STRAPS.
 - USE STUFFING INSULATION TO SEAL AROUND ALL OPENINGS IN SHEET METAL PANEL UNDER UNIT.
- NOTE TO DESIGNER:**
- SHOW CONDENSATE DRAIN LINES ON ROOF PLAN. ROUTE DRAIN IN DIRECTION OF ROOF SLOPE.
 - IF SPILL INTO GUTTER, MAKE CERTAIN THE DOWN SPOUT IS HARD PIPED TO THE STORM DRAIN AND DOES NOT SPILL ONTO THE GROUND.
 - MODIFY TRAP DEPTH AND DRAIN LINE SIZE AS REQUIRED.

5 ROOFTOP AC UNIT CURB DETAIL
SCALE: NOT TO SCALE.



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ADA REQUIREMENTS

THIS APPLIES TO ADA ACCESSIBLE FIXTURES ONLY.

WATER CLOSETS: THE HEIGHT OF WATER CLOSETS SHALL BE 17" TO 19" MEASURED TO THE TOP OF THE TOILET SET SEATS. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION. THE WATER CLOSET SHALL BE LOCATED 18" FROM THE SIDE WALL TO THE CENTER LINE OF THE BOWL. HAND OPERATED FLUSH CONTROLS SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS. NO MORE THAN 20" ABOVE THE FINISH FLOOR. SEE ARCHITECTURAL DRAWINGS FOR GRAB BAR LOCATIONS.

LAVATORIES: LAVATORIES SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO HIGHER 34" ABOVE THE FINISH FLOOR. PROVIDE A CLEARANCE OF AT LEAST 20" ABOVE THE FINISH FLOOR TO THE BOTTOM OF THE APRON. KNEE SPACE SHALL BE 8" FROM BOTTOM EDGE OF APRON TO THE LEADING EDGE OF THE BOTTOM OF THE BOWL. THE BOTTOM OF THE BOWL SHALL BE A MINIMUM OF 27" ABOVE THE FINISH FLOOR. ALL WATER AND DRAIN PIPING UNDER LAVATORIES SHALL BE INSULATED WITH A FOAM INSERT COVERED WITH A 1/8" VINYL OUTER SHELL. ANGLE STOPS SHALL HAVE A FLIP TOP ACCESS.

FAUCETS - SHOWER CONTROLS: CONTROLS SHALL BE LEVER HANDLES OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF.

SHOWER: A SEAT SHALL BE PROVIDED IN SHOWER STALLS 36"X36". THE SEAT SHALL BE MOUNTED ON THE WALL OPPOSITE OF THE CONTROLS AND 17" TO 19" FROM THE BATHROOM FLOOR AND SHALL EXTEND THE FULL DEPTH OF THE STALL. SHOWER CONTROLS SHALL BE MOUNTED ON THE WALL OPPOSITE OF THE SEAT AND SHALL BE LOCATED ON THE SAME WALL AS THE SHOWER HEAD. AT MINIMUM HEIGHT OF 38" AND A MAXIMUM HEIGHT OF 48". IN ADDITION TO THE FIXED SHOWER HEAD PROVIDE A HAND HELD SHOWER SPRAY UNIT WITH A HOSE AT LEAST 60" LONG THAT CAN BE USED BOTH AS A FIXED SHOWER HEAD AND AS A HAND HELD SHOWER HEAD. IN A 30"X60" SHOWER UNIT A FIXED SEAT SHALL BE PROVIDED. IT SHALL BE A FOLDING TYPE AND SHALL BE MOUNTED ON THE WALL ADJACENT TO THE CONTROLS. SEE ARCHITECTURAL DRAWINGS FOR GRAB BAR LOCATIONS.

SINKS: SINKS SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO HIGHER 34" ABOVE THE FINISH FLOOR. PROVIDE A KNEE CLEARANCE OF AT LEAST 27" HIGH, 30" WIDE, AND 19" DEEP. SINKS SHALL BE A MAXIMUM OF 8 1/2" DEEP. ALL WATER AND DRAIN PIPING UNDER LAVATORIES SHALL BE INSULATED WITH A FOAM INSERT COVERED WITH A 1/8" VINYL OUTER SHELL. ANGLE STOPS SHALL HAVE A FLIP TOP ACCESS.

DRINKING FOUNTAINS / WATER COOLERS: WHERE ONLY ONE DRINKING FOUNTAIN IS PROVIDED ON A FLOOR THERE SHALL BE A DRINKING FOUNTAIN WHICH IS ACCESSIBLE TO INDIVIDUALS WHO USE WHEEL CHAIRS AND ONE ACCESSIBLE TO THOSE HAVING DIFFICULTY BENDING OR STOOPING. THIS CAN BE ACCOMPLISHED BY USING A 7" H/O FOUNTAIN. LOWEST SPOUT SHALL BE NO HIGHER THAN 36" ABOVE FINISHED FLOOR AND HIGHEST SPOUT SHALL BE MOUNTED AT 40" ABOVE FINISH FLOOR. SPOUTS SHALL BE AT FRONT OF THE UNIT AND SHALL DIRECT THE WATER FLOW IN A TRAJECTORY THAT IS PARALLEL OR NEARLY PARALLEL TO THE FRONT OF THE UNIT. THE SPOUT SHALL PROVIDE A FLOW OF WATER AT LEAST 4" HIGH. CONTROLS SHALL BE FRONT MOUNTED OR SIDE MOUNTED NEAR THE FRONT EDGE. CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF. WALL MOUNTED UNITS SHALL HAVE A CLEAR KNEE SPACE OF BETWEEN THE BOTTOM OF THE APRON AND THE FINISHED FLOOR AT LEAST 27" HIGH, 30" WIDE, AND 17" TO 19" DEEP. FOUNTAINS SHALL NOT PROTRUDE MORE THAN 4" OUT INTO WALKWAYS.

GENERAL NOTES

- ALL OUTSIDE CLEANOUTS SHALL BE BROUGHT TO GRADE AND EMBEDDED IN 18"X18"X6" THICK CONCRETE PAD (J.R. SMITH 4258 OR EQUAL).
- WHEREVER DISSIMILAR METALS ARE CONNECTED ON WATER LINES, A DIELECTRIC NIPPLE SHALL BE USED.
- ALL HORIZONTAL WATER, VENT, AND GAS PIPING IS RUN ABOVE CEILING ON PLAN UNLESS OTHERWISE NOTED.
- ALL WATER PIPING BELOW SLAB ON GRADE SHALL BE BENT UP AT ENDS SO THAT NO JOINTS OCCUR BELOW FLOOR.
- COORDINATE ALL PIPE ROUTING TO AVOID CONFLICTS WITH STRUCTURAL, MECHANICAL, AND ELECTRICAL FEATURES OF BUILDING.
- PLUMBING DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW ALL DETAILS OF THE WORK. OBTAIN DIMENSIONS AND PERTINENT INFORMATION FROM ARCHITECTURAL DRAWINGS.
- ALL WALL HYDRANTS SHALL BE MOUNTED 24" ABOVE FINISH GRADE OR FINISH FLOOR UNLESS OTHERWISE NOTED.
- INSTALL ALL OUTSIDE VALVES IN CONCRETE OR CAST IRON VALVE BOXES.
- ALL HORIZONTAL STORM AND SANITARY PIPING IS RUN BELOW FLOOR ON PLAN UNLESS OTHERWISE NOTED.
- ALL WATER PIPING INSTALLED IN EXTERIOR WALLS SHALL BE LOCATED ON THE INTERIOR SIDE OF THE EXTERIOR WALL INSULATION.
- PAVEMENT CUTS, BACKFILLING, AND PATCHING SHALL MEET ALL LOCAL REQUIREMENTS.
- INSTALL WATER PIPING TO ASME B31.9. PROVIDE POI SHOCK ARRESTORS ON WATER SUPPLIES TO ALL FIXTURES.
- CONTRACTOR TO VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT PRIOR TO ROUGHING MECHANICAL ROOM FLOOR DRAINS, HOSE BIBBS, ETC.
- ALL FLOOR SINKS TO BE INSTALLED WITH RIMGRATE FLUSH WITH FINISH FLOOR.

PLUMBING LEGEND

| | | | |
|-----|-------------------------------|--------|-------------------------|
| --- | COLD WATER LINE | RD | ROOF DRAIN |
| --- | HOT WATER LINE | ROF | ROOF OVERFLOW PIPE |
| --- | HOT WATER RETURN LINE | SD | SHOWER DRAIN |
| --- | SOIL OR WASTE LINE ABOVE SLAB | YCO | YARD CLEANOUT |
| --- | SOIL OR WASTE LINE BELOW SLAB | A.A.V. | AIR ADMITTANCE VALVE |
| S | STORM LINE | A.F.F. | ABOVE FINISH FLOOR |
| --- | VENT LINE | CO | CLEAN OUT |
| --- | BALL VALVE | CW | COLD WATER |
| --- | CHECK VALVE | EW | ELECTRIC WATER COOLER |
| --- | BALANCING VALVE | FFE | FINISH FLOOR ELEVATION |
| --- | UNION | FL | FLOW LINE |
| --- | PIPE TURNING UP | GPM | GALLONS PER MINUTE |
| --- | PIPE TURNING DOWN | HW | HOT WATER |
| --- | P-TRAP | HWR | HOT WATER RETURN |
| HB | HOSE BIBB | INV | INVERT |
| WH | WALL HYDRANT | JC | JANITOR'S CLOSET |
| WCO | WALL CLEANOUT | LAV | LAVATORY |
| FCO | FLOOR CLEANOUT | X# | PLUMBING FIXTURE NUMBER |
| # | REVISION NUMBER | PSI | POUNDS PER SQUARE INCH |
| # | RISER DIAGRAM NUMBER | PRV | PRESSURE REDUCING VALVE |
| # | KEYNOTE NUMBER | RL | RAIN LEADER |
| CO | CLEANOUT | SS | SOIL STACK |
| FD | FLOOR DRAIN W/ TG | VS | VENT STACK |
| ES | FLOOR SINK | VSTR | VENT STACK THRU ROOF |
| HD | HUB DRAIN | WS | WASTE STACK |
| MEF | MECHANICAL FLOOR DRAIN W/ TG | WC | WATER CLOSET |

WATER HAMMER ARRESTOR SCHEDULE

| P.D.I. UNITS | A | B | C | D | E | F |
|---------------|------|-------|-------|--------|---------|---------|
| FIXTURE UNITS | 1-11 | 12-32 | 33-60 | 61-113 | 114-154 | 155-330 |

CLASSIFICATIONS ESTABLISHED BY THE PLUMBING AND DRAINAGE INSTITUTE "STANDARD P.D.I. WH201" INSTALL WATER PIPING TO ASME B31.9. CLOSED COPPER TUBE CHAMBER WITH PERMANENTLY SEALED 410 KPa (60PSI) AIR CHARGE ABOVE A DOUBLE O-RING PISTON. TWO HIGH HEAT BUNA-N O-RINGS PRESSURE PACKED AND LUBRICATED WITH FDA APPROVED SILICONE COMPOUND. ALL UNITS SHALL BE DESIGNED IN ACCORDANCE WITH ASSE 1010 FOR SEALED WALL INSTALLATIONS WITHOUT AN ACCESS PANEL. SIZE AND INSTALL IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS. UNIT SHALL BE MANUFACTURED BY PRECISION PLUMBING PRODUCTS, INC. WATTS, OR SIOUX CHIEF. PROVIDE WATER HAMMERS AT ALL SOLENOID VALVES, ALL GROUPS OR TWO OR MORE FLUSH VALVES, ALL QUICK OPENING OR CLOSING VALVES, AND ALL WASHING EQUIPMENT.

APPROVED MANUFACTURERS:
1. ZURN, WADE, J.R. SMITH, JOSAM, MIFAB

PLUMBING FIXTURE CONNECTION SCHEDULE

| MARK | FIXTURE | WASTE | CW | HW | REMARKS |
|-------|---------------------------|--------|------|------|-------------------------------------|
| WC-1 | WATER CLOSET | 4" | 1" | - | WALL HUNG, FLUSH VALVE |
| WC-2 | WATER CLOSET | 4" | 1" | - | WALL HUNG, FLUSH VALVE, ADA |
| WC-3 | WATER CLOSET | 3" | 1" | - | FLOOR MOUNTED, FLUSH VALVE, ADA |
| UR-1 | URINAL | 2" | 3/4" | - | WALL HUNG, FLUSH VALVE |
| UR-2 | URINAL | 2" | 3/4" | - | WALL HUNG, FLUSH VALVE, ADA |
| LAV-1 | LAVATORY | 1-1/4" | 1/2" | 1/2" | COUNTER TOP, WITH TMV-1 |
| LAV-2 | LAVATORY | 1-1/4" | 1/2" | 1/2" | WALL HUNG, TRIPLE BASIN, WITH TMV-1 |
| EW-1 | ELEC WATER COOLER | 1-1/2" | 1/2" | - | B-LEVEL, ADA |
| SK-1 | HAND SINK | 1-1/2" | 1/2" | 1/2" | DROP-IN |
| SK-2 | SINK | 1-1/2" | 1/2" | 1/2" | DROP-IN, DOUBLE BASIN |
| SH-1 | SHOWER | 2" SD | 1/2" | 1/2" | - |
| SH-2 | SHOWER | 2" SD | 1/2" | 1/2" | ADA |
| SH-3 | OUTDOOR SHOWER | - | 1/2" | - | STANDALONE |
| CM | COFFEE MACHINE | - | - | - | - |
| IM-1 | ICE MAKER | - | 1/2" | - | UNDERCOUNTER |
| JC-1 | JANITOR'S CLOSET | 3" | 1/2" | 1/2" | 24"X24" PRE-CAST |
| WMB-1 | WASHING MACHINE BOX | 2" | 1/2" | 1/2" | - |
| TMV-1 | THERMOSTATIC MIXING VALVE | - | 1/2" | 1/2" | SET TO 109°F |

GAS WATER HEATER SCHEDULE

| MARK | LOCHINVAR MODEL # | LOCATION | CW | HW | CFH | GAL. | SET POINT | REMARKS |
|-------|-------------------|---------------|----|----|-----|------|-----------|--------------------------|
| GWH-1 | SWR200N | MECH ROOM 202 | 2" | 2" | 199 | 90 | 125°F | SEE DETAIL 6, SHEET P.02 |

EXPANSION TANK SCHEDULE

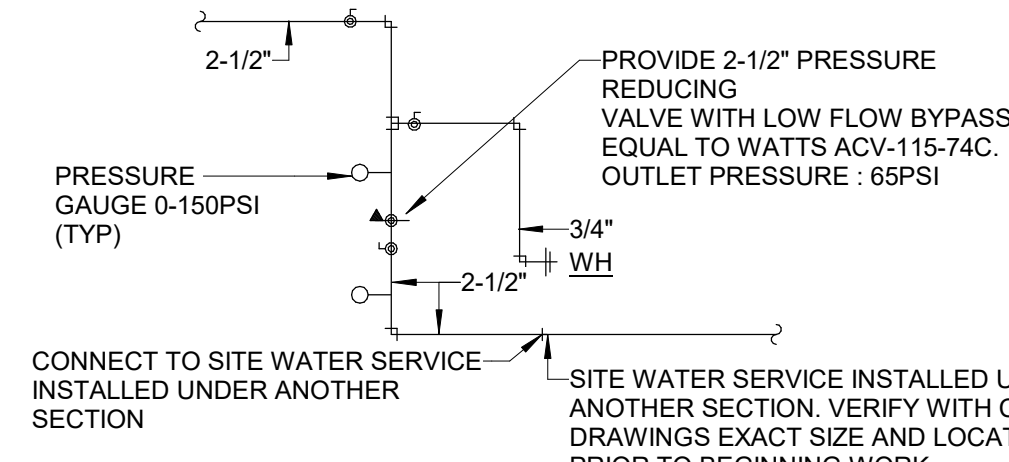
| MARK | AMTROL | LOCATION | GALLONS | ACCEPTANCE | REMARKS |
|------|--------|---------------|---------|------------|---------|
| ET-1 | ST-5 | POOL HOUSE | 2.1 | 0.9 | - |
| ET-2 | ST-12 | MECH ROOM 202 | 6.4 | 3.2 | - |

PUMP SCHEDULE

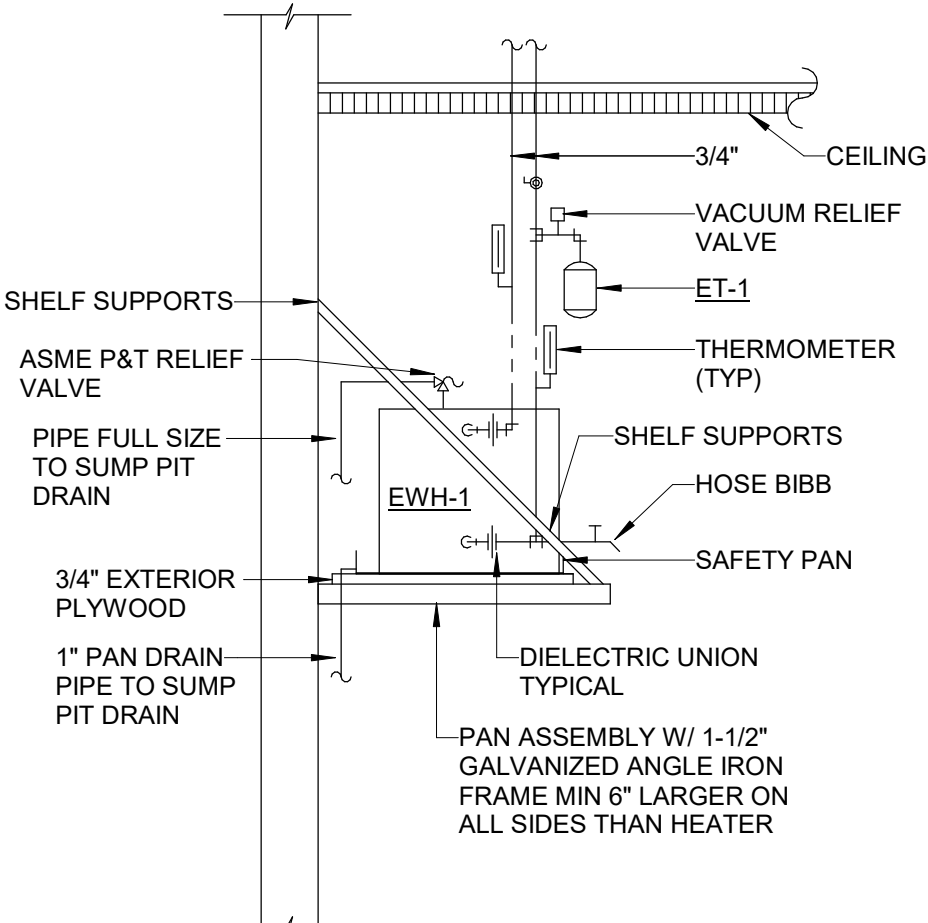
| MARK | MODEL NO. | LOCATION | G.P.M. | HEAD (FT.) | ELECTRICAL DATA H.P. VOLTS PH | TYPE | REMARKS |
|-------|--------------------|---------------|--------|------------|-------------------------------|---------|---|
| PCP-1 | Alpha HWR 15-55 SF | MECH ROOM 202 | 2 | 8 | 1/12 115 1 | IN-LINE | - |
| ESP-1 | LIBERTY ELV280 | ELEV | 50 | 15 | 1/2 115 1 | SUBMER. | PUMP DISCHARGE TO JC-1. SEE DETAIL 2, SHEET P.02. |

ELECTRIC WATER HEATER SCHEDULE

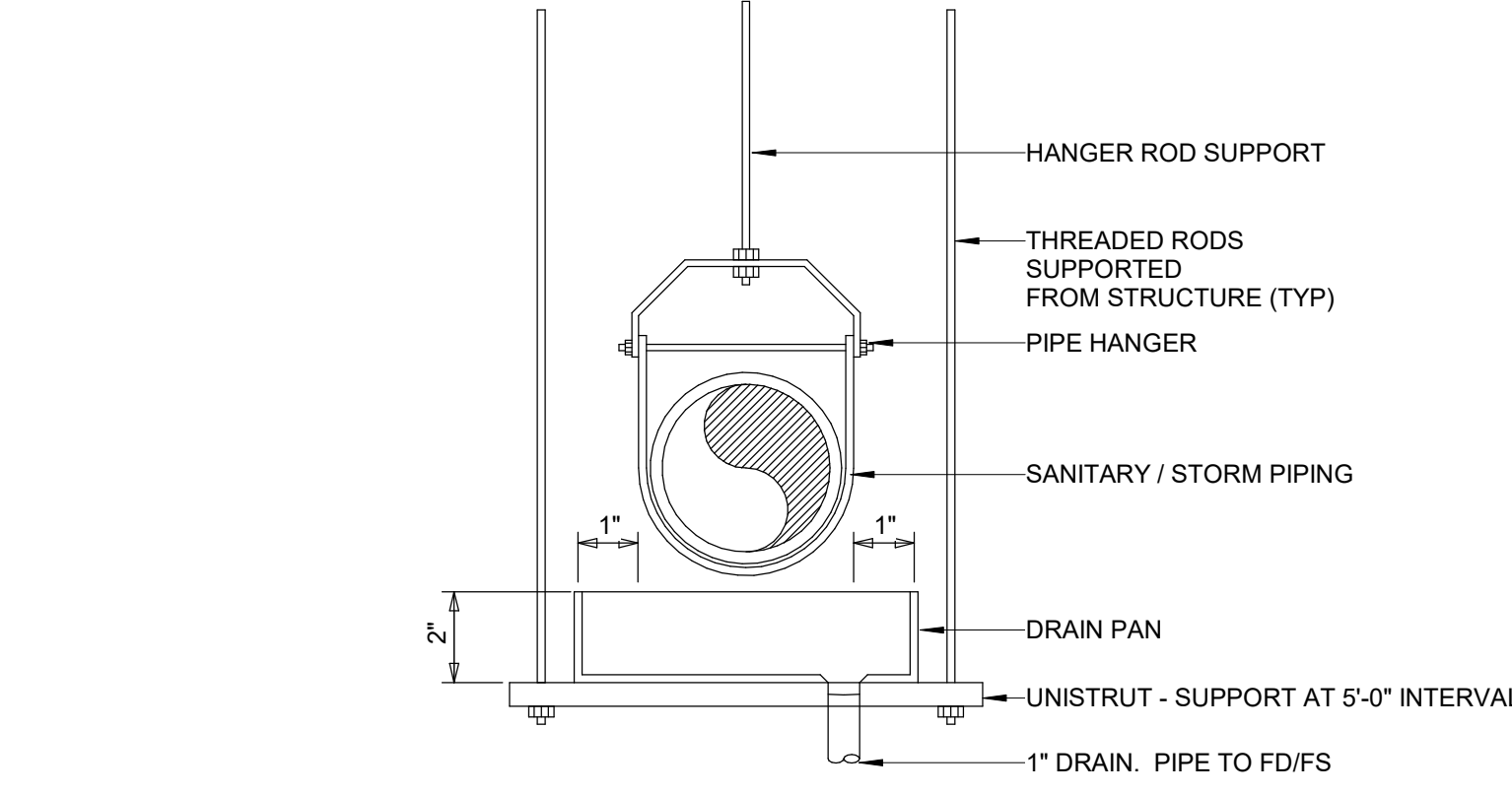
| MARK | LOCHINVAR MODEL # | LOCATION | CW | HW | ELECTRICAL KW V/P | GAL. | SET POINT | REMARKS |
|-------|-------------------|------------|------|------|-------------------|------|-----------|---------------------------|
| EWH-1 | JER20SCF | POOL HOUSE | 3/4" | 3/4" | 2.5 120/1 | 20 | 125°F | SEE DETAIL 13, THIS SHEET |



14 DETAIL OF WATER SERVICE ENTRY W/ HB & WH (POOL HOUSE)
SCALE: NOT TO SCALE

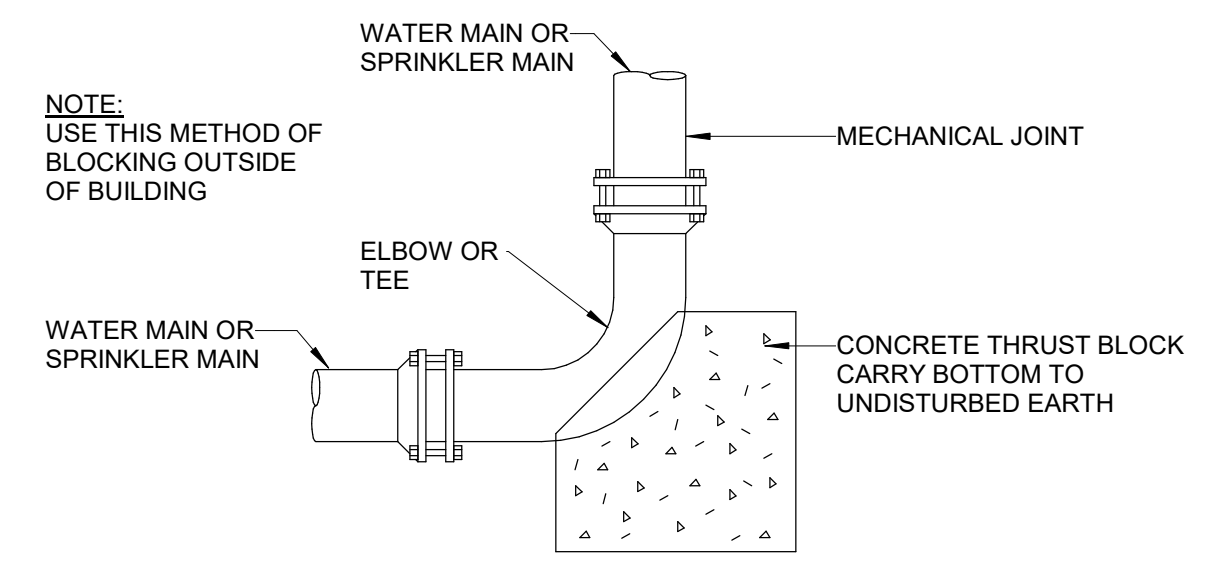


13 DETAIL OF PIPING AT ELECTRIC WATER HEATER ON SHELF
SCALE: NOT TO SCALE

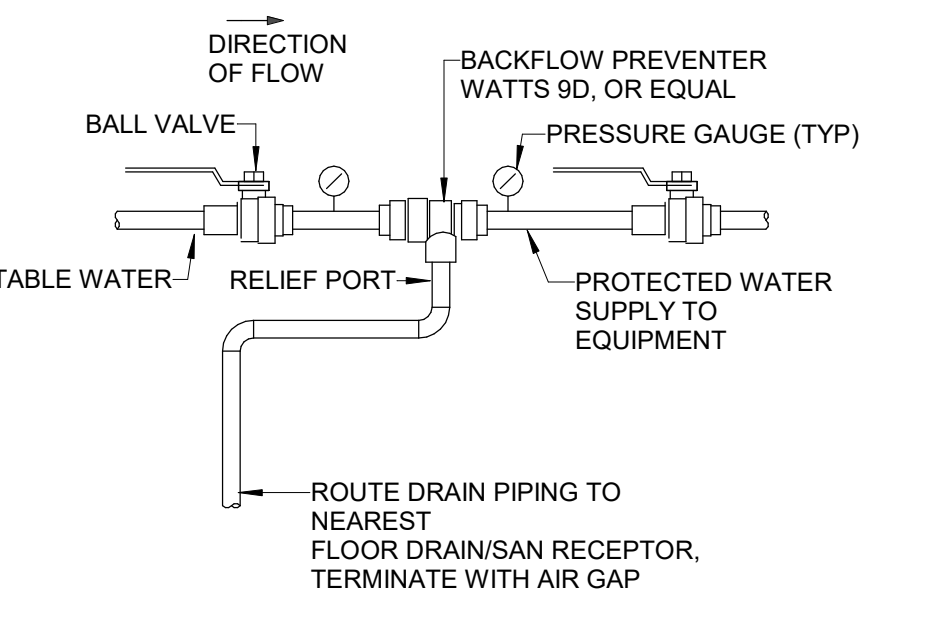


12 DETAIL OF PIPING OF DRAIN PANS UNDER PIPING
SCALE: NOT TO SCALE

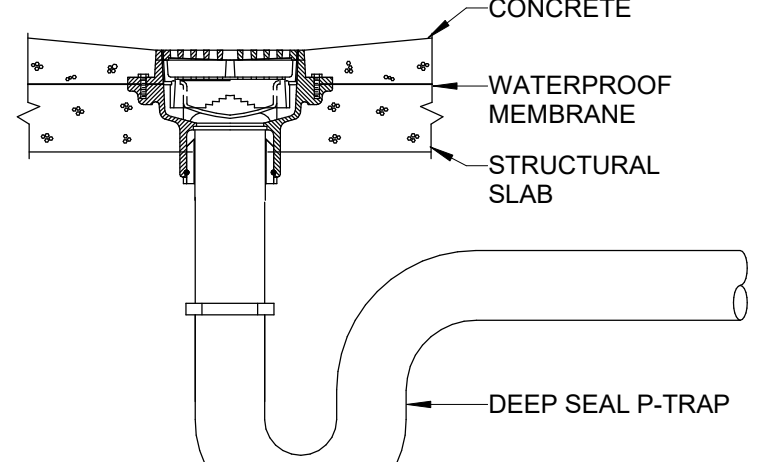
DETAIL NOTES:
A. DRAIN PAN SHALL BE 18 GAUGE GALVANIZED SHEET METAL PAN. MAKE WATERPROOF BY BRAZING SEAMS AND APPLY COLD GALVANIZING (NON-FLAMMABLE, SMOKE RATE FIBERGLASS ALSO ACCEPTABLE).
B. PROVIDE DRAIN PANS BELOW ALL HORIZONTAL SANITARY AND STORM PIPING RUNNING WITHIN KITCHEN/SERVING AREAS, STORAGE OR EATING SURFACES, AND ELECTRICAL ROOMS (SEE IPC 101.8).
C. TERMINATE DRAIN PIPING 1" MINIMUM ABOVE NEAREST FLOOR DRAIN/FLOOR SINK.



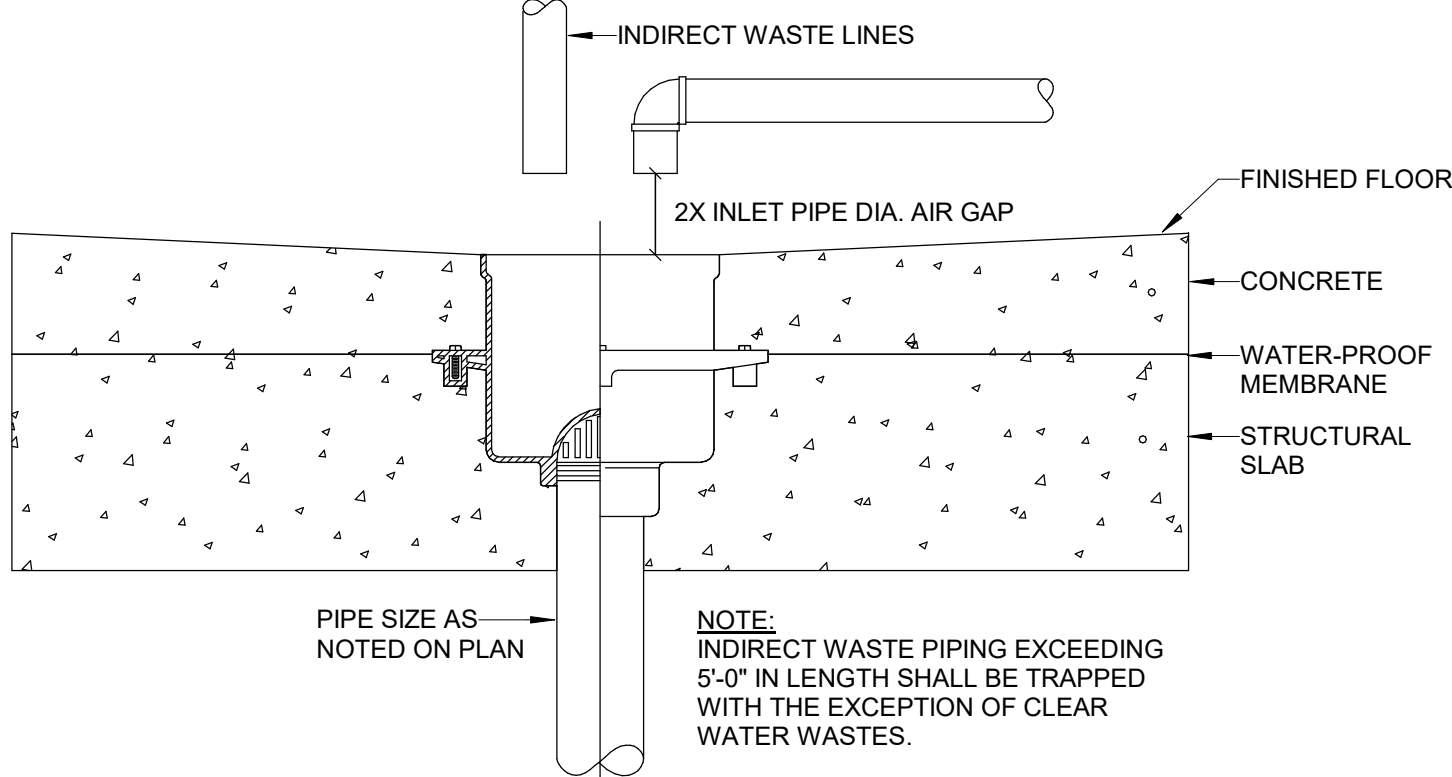
11 DETAIL OF CONCRETE THRUST BLOCK
SCALE: NOT TO SCALE



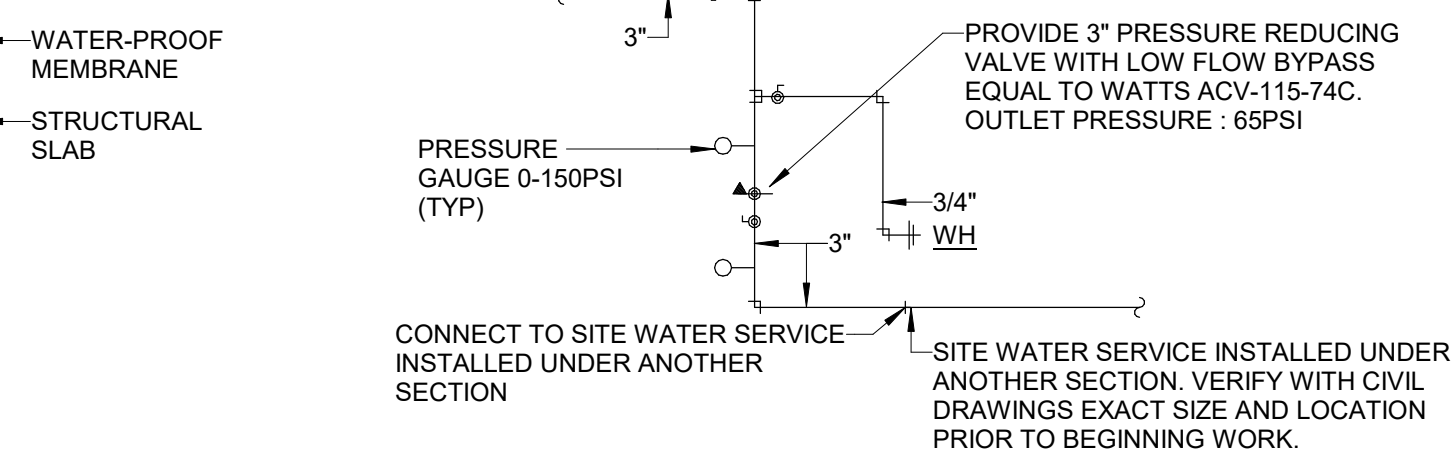
10 DETAIL OF LINE SIZE BACKFLOW PREVENTER
SCALE: NOT TO SCALE



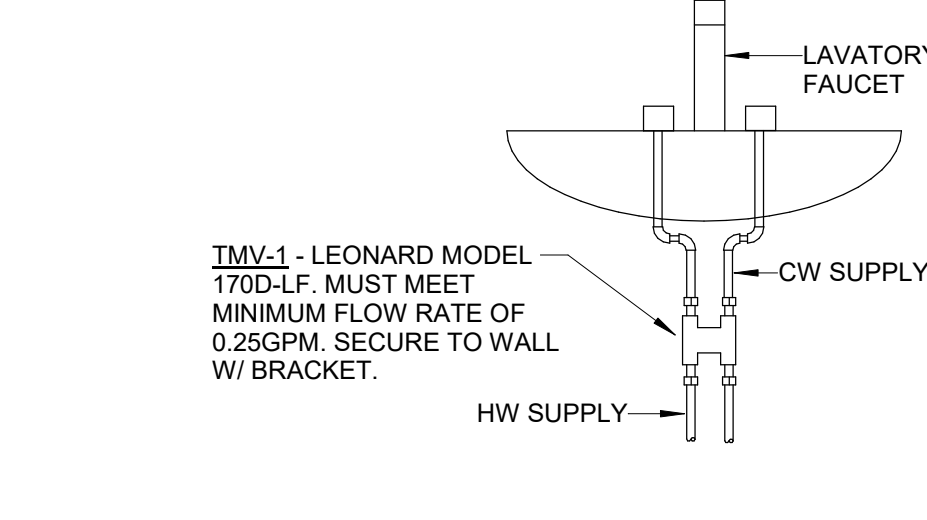
9 DETAIL OF FLOOR DRAIN
SCALE: NOT TO SCALE



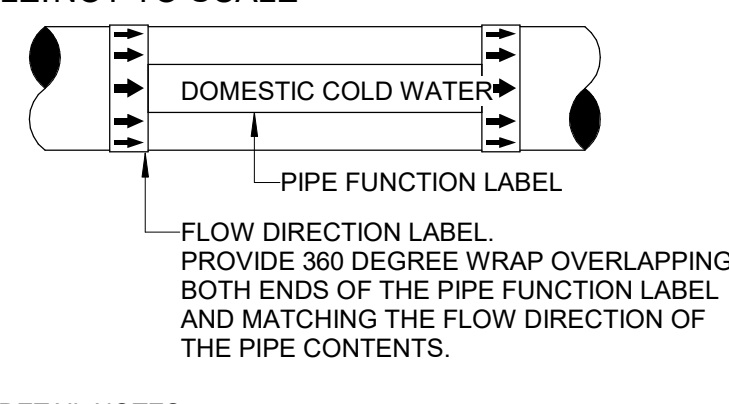
8 DETAIL OF FLOOR SINK
SCALE: NOT TO SCALE



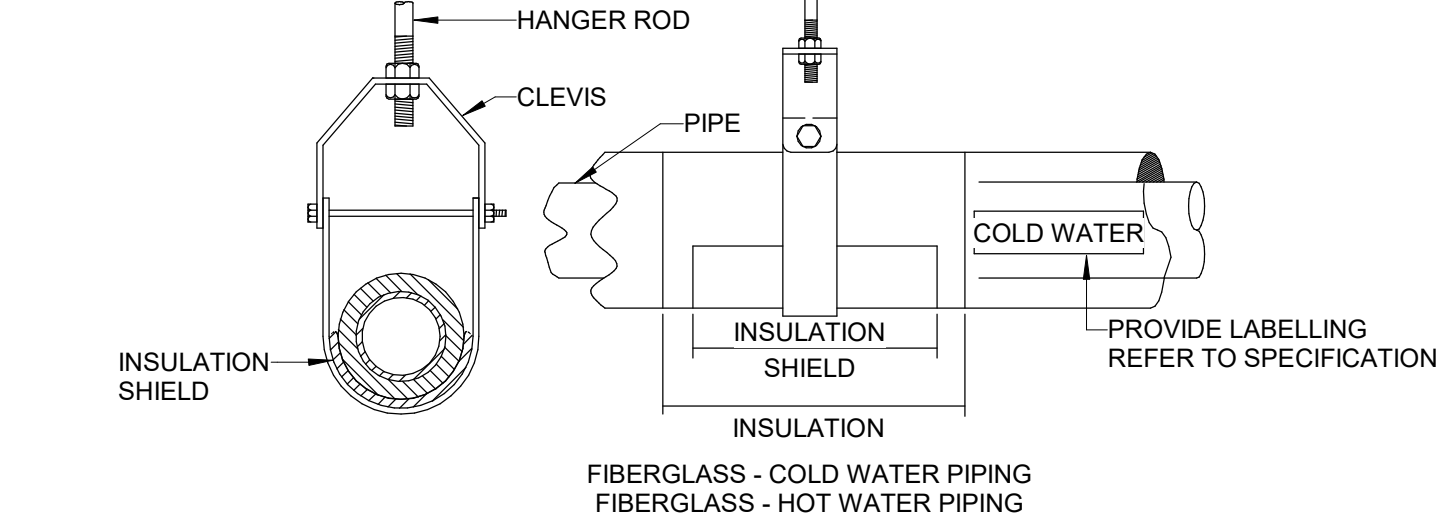
7 DETAIL OF WATER SERVICE ENTRY W/ HB & WH
SCALE: NOT TO SCALE



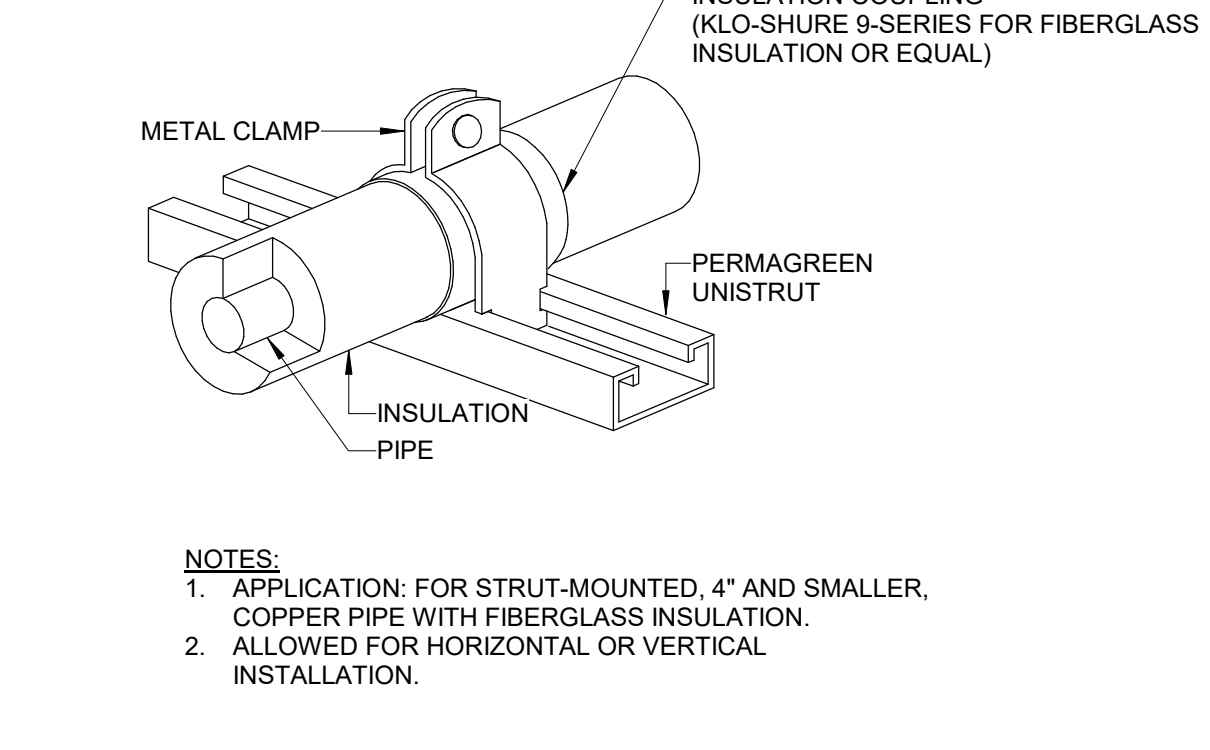
6 DETAIL OF PIPING AT TMV UNDER ADA/PUBLIC LAVATORY
SCALE: NOT TO SCALE



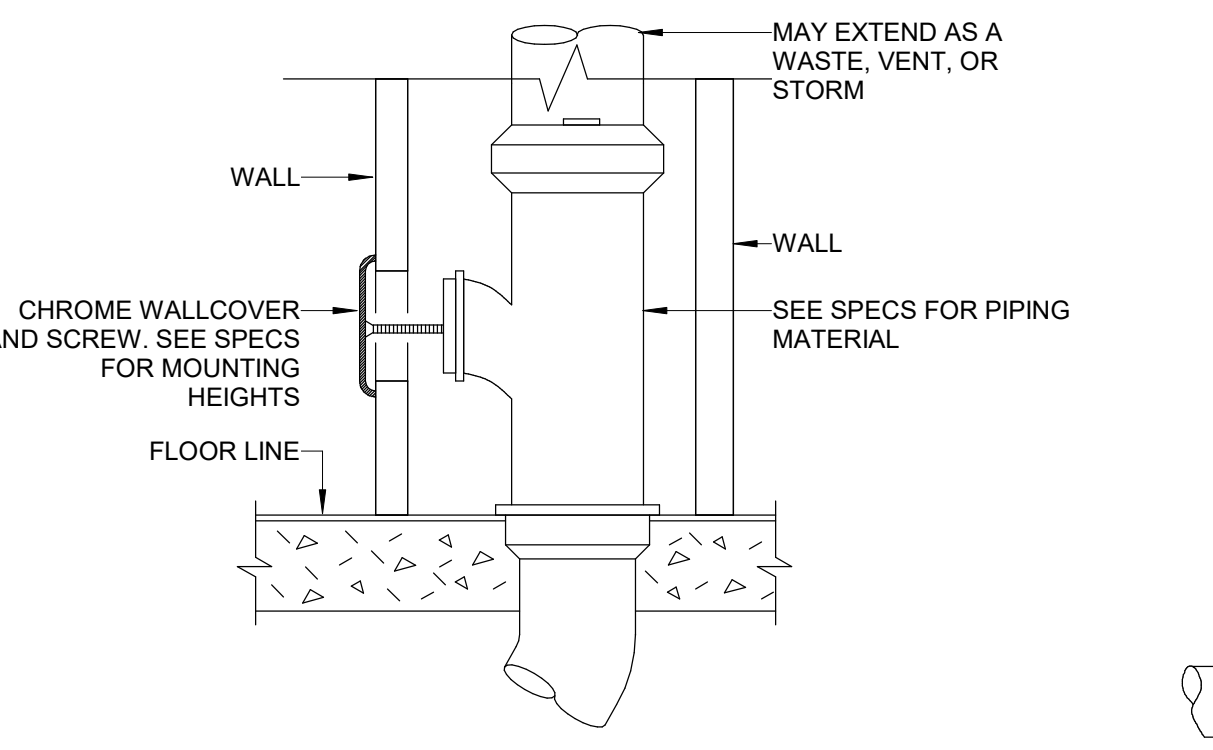
5 DETAIL OF PIPING IDENTIFICATION LABEL
SCALE: NOT TO SCALE



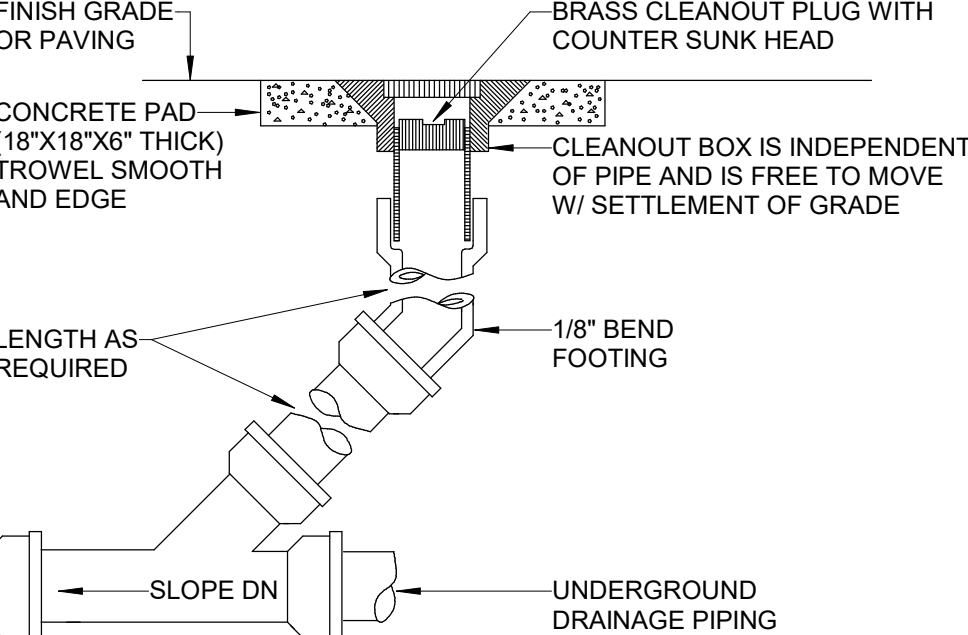
4 DETAIL OF ADJUSTABLE CLEVIS HANGER
SCALE: NOT TO SCALE



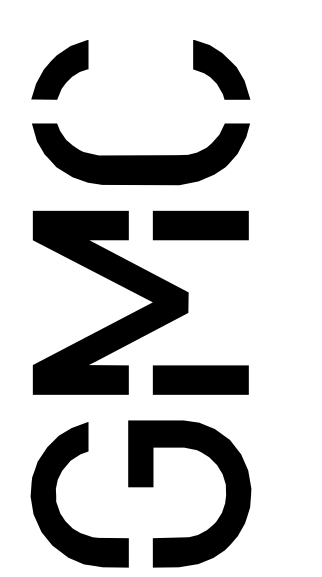
3 STRUT-MOUNTED PIPING SUPPORT INSULATION COUPLING DETAIL
SCALE: NOT TO SCALE



2 DETAIL OF WALL CLEANOUT
SCALE: NOT TO SCALE



1 DETAIL OF CLEANOUT TO GRADE
SCALE: NOT TO SCALE



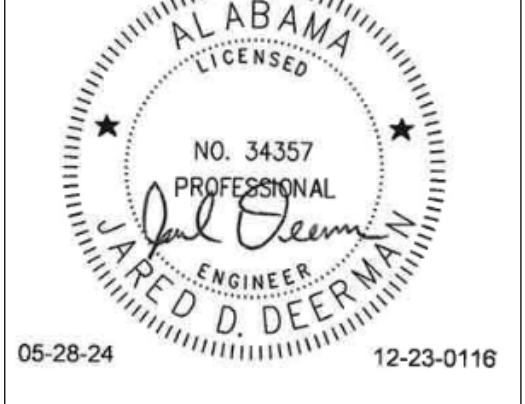
Goodwyn Mills Carwood, LLC
2400 5th Avenue South, Suite 200
Birmingham, AL 35233
T 205.879.4462
GMCNETWORK.COM

| ISSUE DATE | DESCRIPTION |
|------------|-------------|
| 05/28/24 | IFB SET |
| 06/14/24 | Addendum 1 |

RAINBOW CITY RECREATION CENTER
RAINBOW CITY, ALABAMA

AGENCY 2 # [00000]
AGENCY 1 # [00000]
GMC ABHM230021

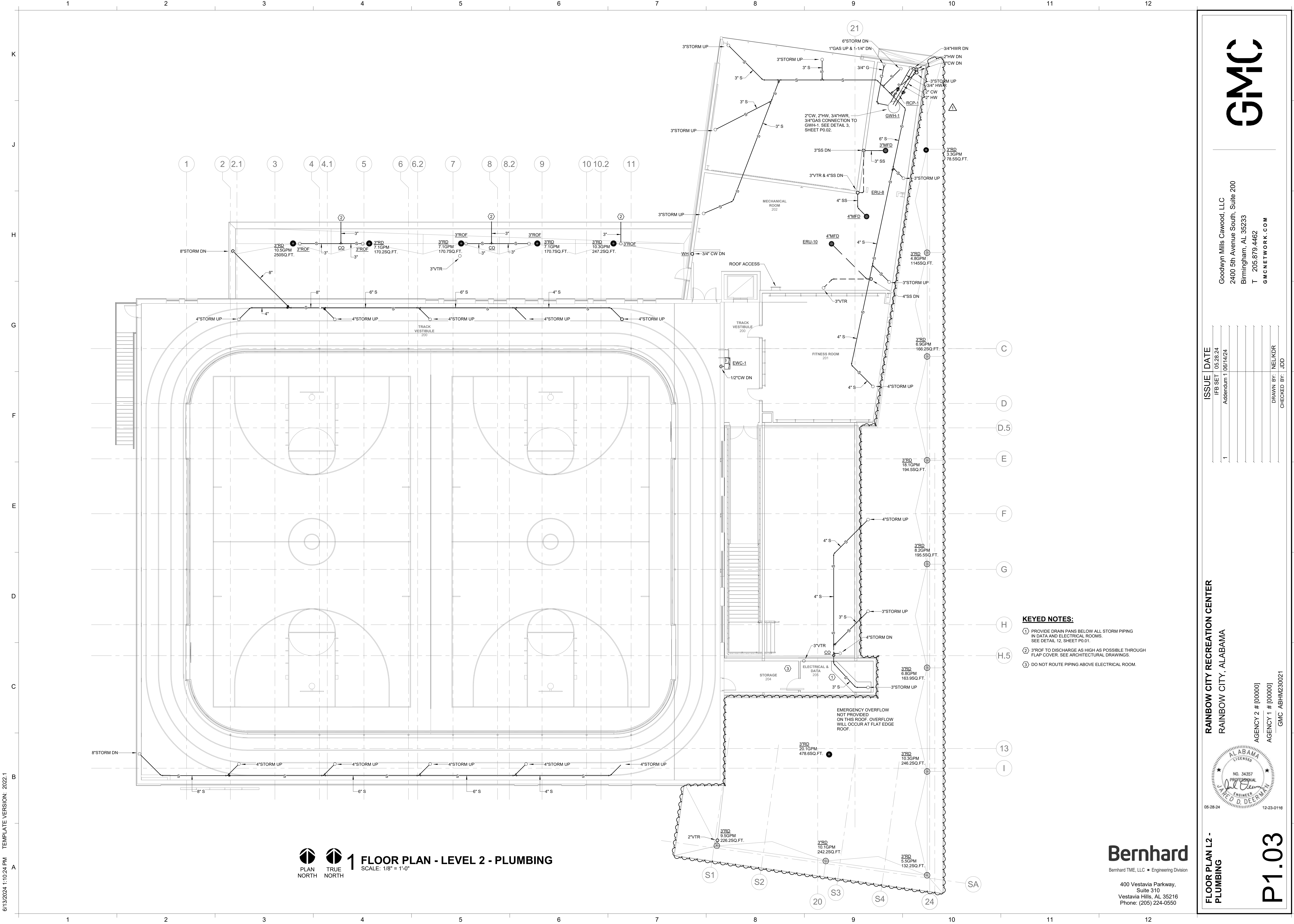
DRAWN BY: NELIKDR
CHECKED BY: JDD



LEGENDS, NOTES AND SCHEDULES - PLUMBING

P0.01

Bernhard
Bernhard TME, LLC • Engineering Division
400 Vestavia Parkway,
Suite 310
Vestavia Hills, AL 35216
Phone: (205) 224-0550



1 FLOOR PLAN - LEVEL 2 - PLUMBING
 SCALE: 1/8" = 1'-0"

- KEYED NOTES:**
- ① PROVIDE DRAIN PANS BELOW ALL STORM PIPING IN DATA AND ELECTRICAL ROOMS. SEE DETAIL 12, SHEET P0.01.
 - ② 3"ROF TO DISCHARGE AS HIGH AS POSSIBLE THROUGH FLAP COVER. SEE ARCHITECTURAL DRAWINGS.
 - ③ DO NOT ROUTE PIPING ABOVE ELECTRICAL ROOM.

GMC

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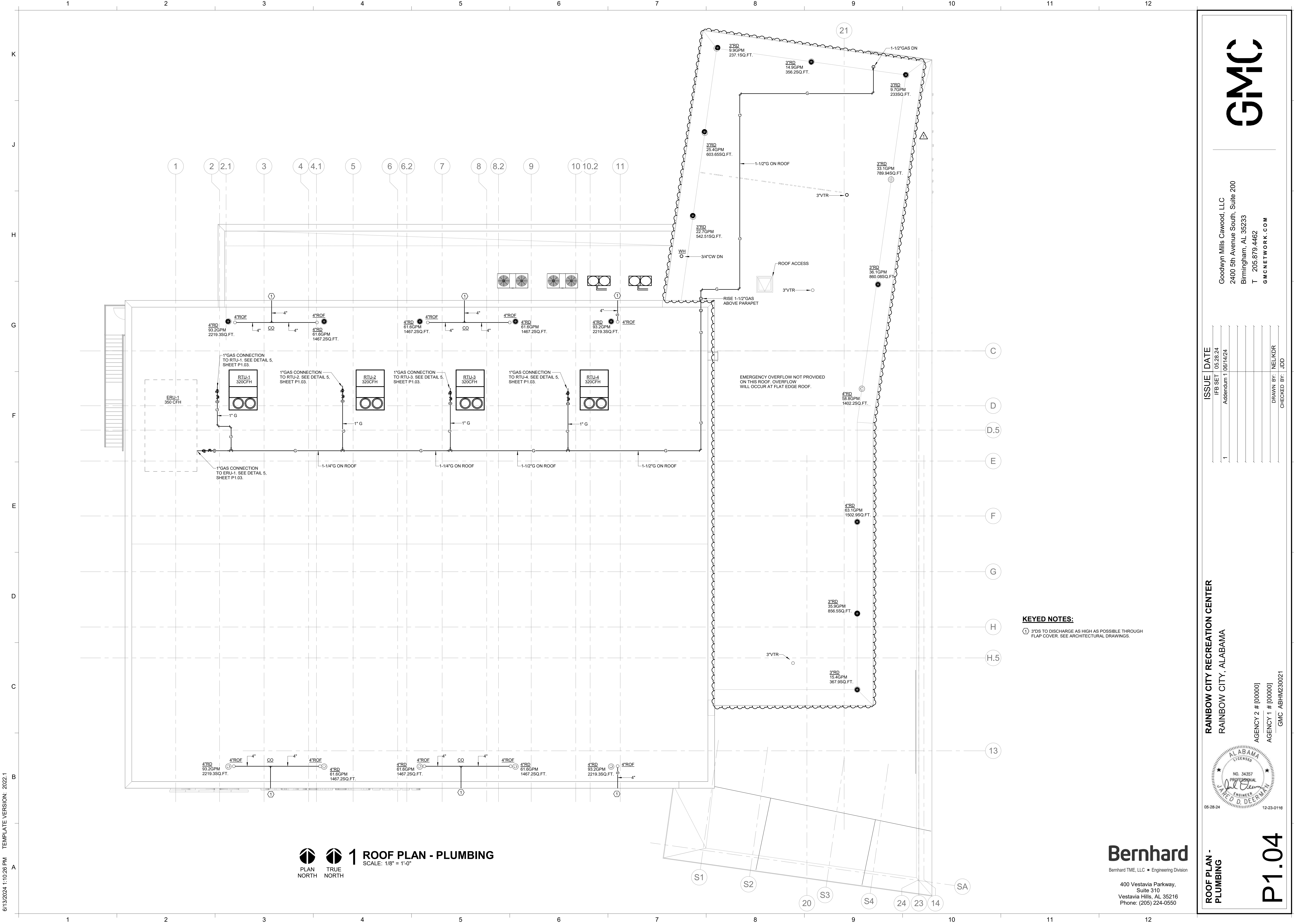
ALABAMA LICENSED PROFESSIONAL ENGINEER
 NO. 34357
 J. Fred D. Deetman
 05-28-24 12-23-0116

Bernhard
 Bernhard TME, LLC • Engineering Division

400 Vestavia Parkway,
 Suite 310
 Vestavia Hills, AL 35216
 Phone: (205) 224-0550

FLOOR PLAN L2 - PLUMBING
P1.03

6/13/2024 1:10:24 PM TEMPLATE VERSION: 2022.1

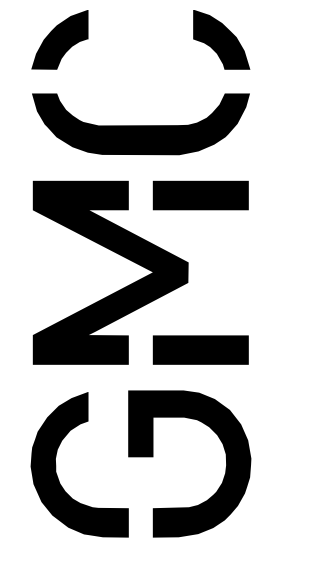


6/13/2024 1:10:26 PM TEMPLATE VERSION: 2022.1

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

KEYED NOTES:
 ① 3"DS TO DISCHARGE AS HIGH AS POSSIBLE THROUGH FLAP COVER. SEE ARCHITECTURAL DRAWINGS.

EMERGENCY OVERFLOW NOT PROVIDED ON THIS ROOF. OVERFLOW WILL OCCUR AT FLAT EDGE ROOF.




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 AGENCY 1 # [00000]
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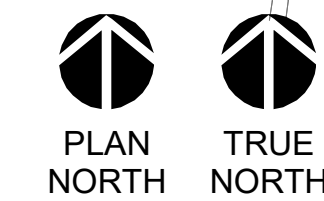
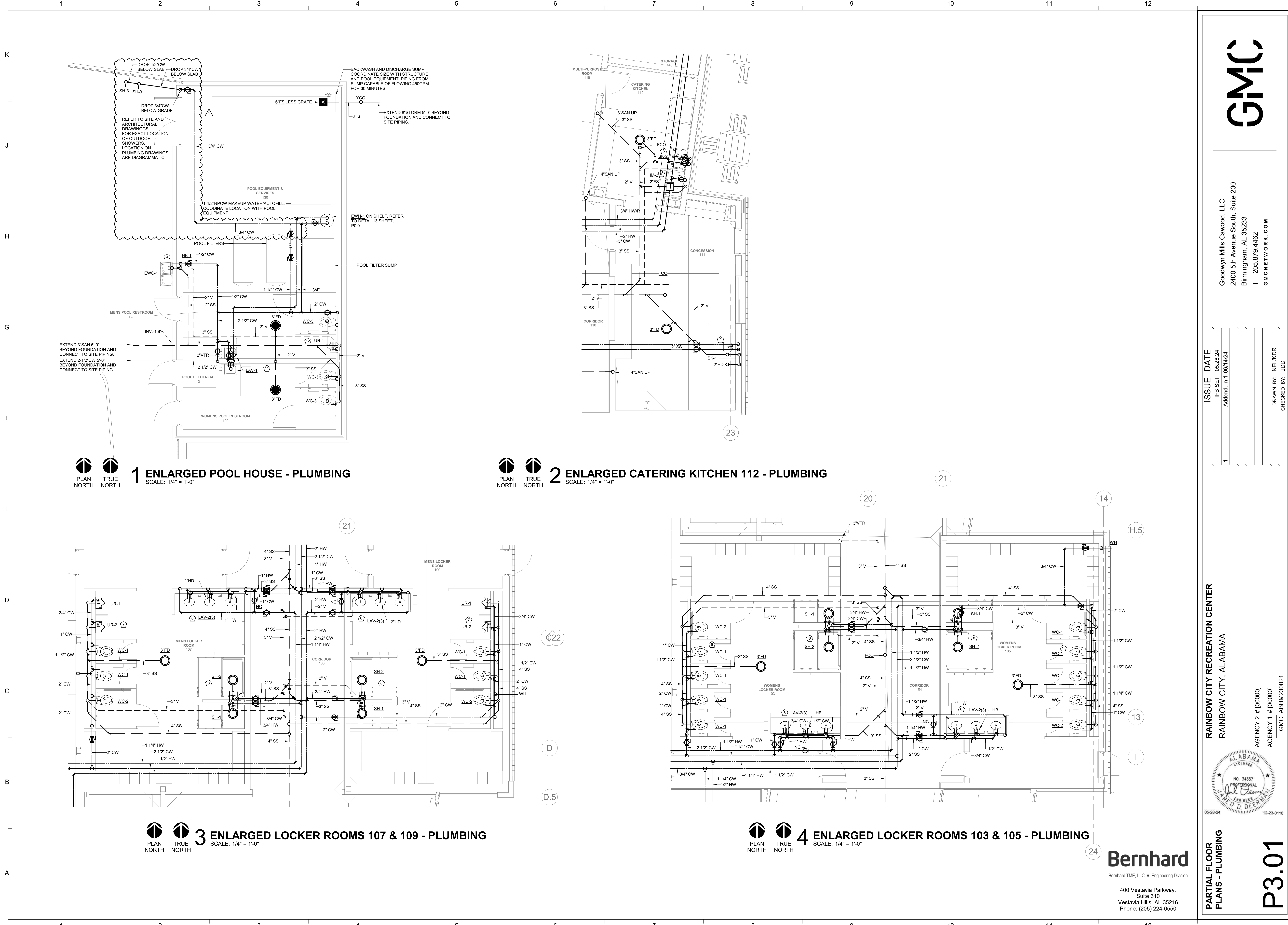
05-28-24 12-23-0118

ROOF PLAN - PLUMBING

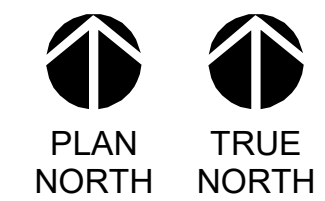
P1.04

Bernhard
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 Vestavia Hills, AL 35216
 Phone: (205) 224-0550

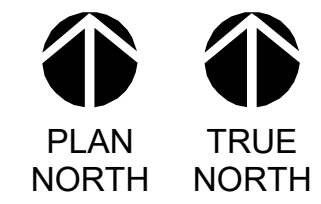
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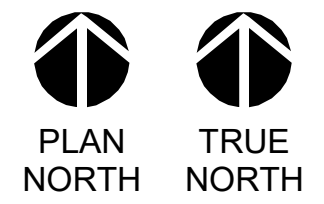
1 ENLARGED POOL HOUSE - PLUMBING
SCALE: 1/4" = 1'-0"



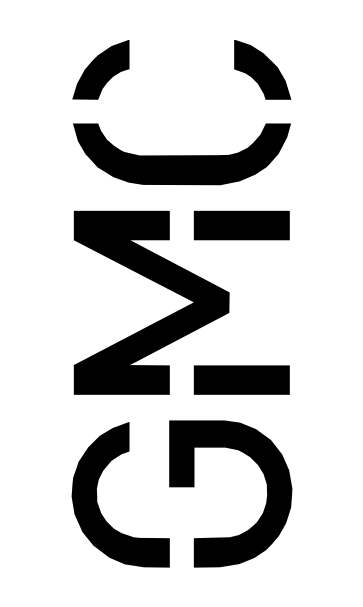
2 ENLARGED CATERING KITCHEN 112 - PLUMBING
SCALE: 1/4" = 1'-0"



3 ENLARGED LOCKER ROOMS 107 & 109 - PLUMBING
SCALE: 1/4" = 1'-0"



4 ENLARGED LOCKER ROOMS 103 & 105 - PLUMBING
SCALE: 1/4" = 1'-0"



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| 1 | 05/28/24 |
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| Addendum 1 06/14/24 | |

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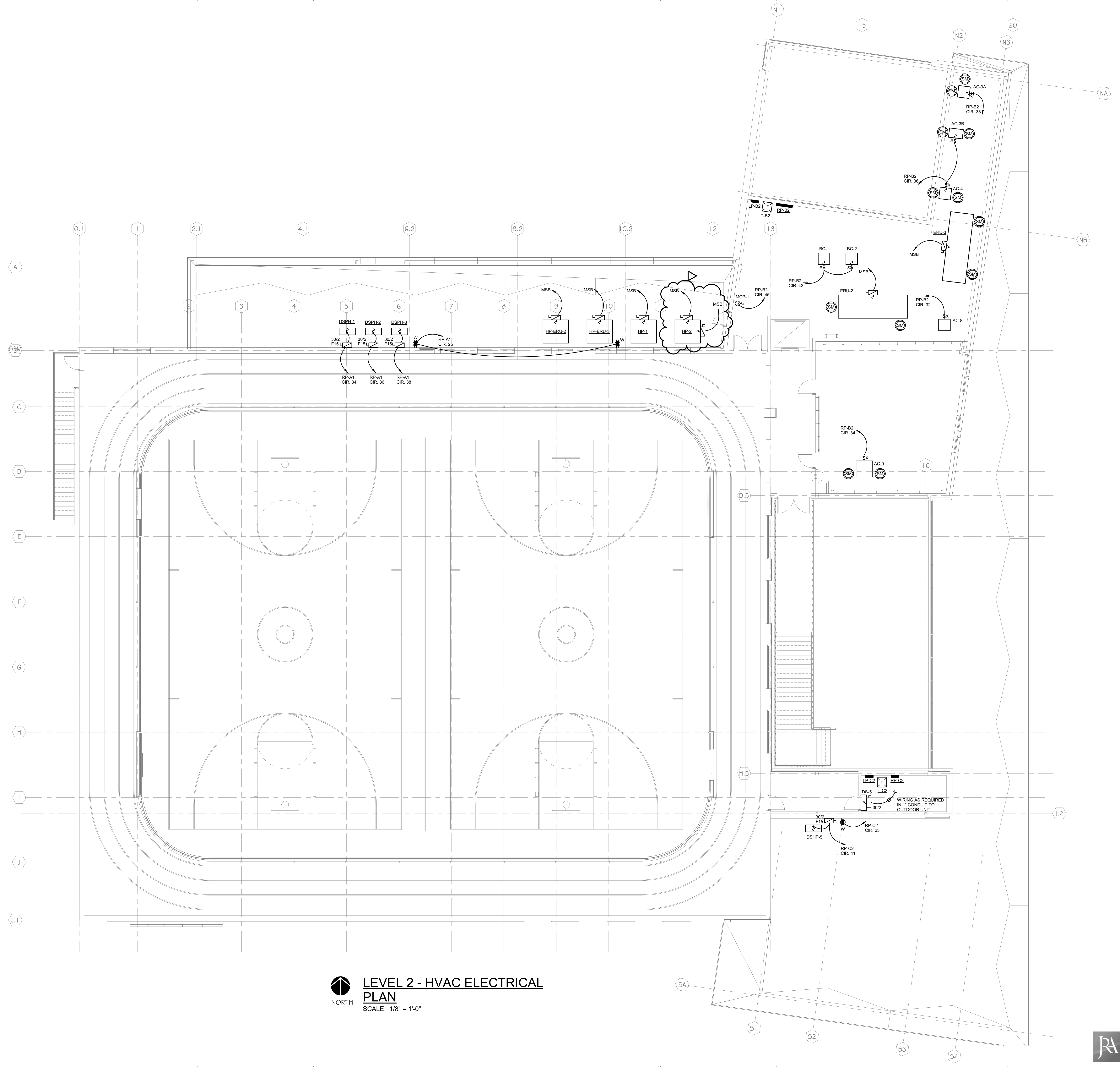
PARTIAL FLOOR
PLANS - PLUMBING

P3.01



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Vestavia Hills, AL 35216
Phone: (205) 224-0550

6/14/2024 11:46:17 AM TEMPLATE VERSION: 2023.1



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



LEVEL 2 HVAC ELECTRICAL PLAN

E2.04

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 RAINBOW CITY, ALABAMA

GMC # ABHM230021

ISSUE DATE
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 ADDENDUM 02 06/14/2024

DRAWN BY: SNJ
 CHECKED BY: RCR

ROBERT RENFRO, PE
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 (205) 536-7107
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JACKSON, RENFRO & ASSOCIATES, INC.
 100 UNIVERSITY CENTER PARKWAY, SUITE 100, BIRMINGHAM, AL 35242

| PANELBOARD SCHEDULE - RP-A1 (SECT. 1) | | | | | | | | | | | |
|---------------------------------------|-------|-------------------------------|---------------------|-------------|-------|------------------------|------------------|-----------|-------|-----------|--|
| PANEL TYPE: | | SQUARE 'D' TYPE NQ | | AIC RATING: | | 10KAC (MINIMUM) | | | | | |
| VOLTAGE: | | 120/208V-3P-4W | | MOUNTING: | | SURFACE | | LOCATION: | | SEE PLANS | |
| AMPS & TYPE: | | 300/3 MAIN BKR | | FEEDER: | | 4-350MCM & 1#2G - 3" C | | | | | |
| FED FROM: | MSB | SEE PANELBOARD SCHEDULE - MSB | | | | | | | | | |
| CKT. NO. | NOTES | BKR | DESCRIPTION | WATTS | PHASE | WATTS | DESCRIPTION | BKR | NOTES | CKT. NO. | |
| 1 | - | 20/1 | CONVENIENCE OUTLETS | 1,000 | A | 1,000 | POWERED GOAL | 20/1 | - | 22 | |
| 2 | - | 20/1 | CONVENIENCE OUTLETS | 1,000 | B | 1,000 | POWERED GOAL | 20/1 | - | 23 | |
| 3 | - | 20/1 | TBB | 400 | C | 1,200 | SCOREBOARD | 20/1 | - | 24 | |
| 4 | - | 20/1 | TBB | 400 | A | 1,200 | ROOF OUTLETS | 20/1 | - | 25 | |
| 5 | - | 20/1 | OFFICE OUTLETS | 800 | B | 400 | GYM SOUND SYSTEM | 20/1 | - | 26 | |
| 6 | GFCI | 20/1 | WASHER | 1,000 | C | 1,587 | GYM DIVIDER | 30/1 | - | 27 | |
| 7 | GFCI | 30/2 | DRYER | 2,800 | A | | SPARE | 20/1 | - | 28 | |
| 8 | - | | | 2,800 | B | 600 | GYM OUTLETS | 20/1 | - | 29 | |
| 9 | GFCI | 20/1 | REFRIGERATOR | 1,500 | C | 800 | ROOF OUTLETS | 20/1 | - | 30 | |
| 10 | 20/1 | | COFFEE MAKER | 1,500 | A | 1,200 | SIGN POWER | 20/1 | - | LCP 31 | |
| 11 | 20/1 | | BREAKROOM OUTLETS | 1,500 | B | 1,200 | SIGN POWER | 20/1 | - | LCP 32 | |
| 12 | GFCI | 20/1 | MICROWAVE | 1,500 | C | 900 | FACP | 20/1 | - | LO 33 | |
| 13 | - | 20/1 | BREAKROOM OUTLETS | 1,500 | A | 900 | DSHP-1 | 15/2 | - | 34 | |
| 14 | - | 20/1 | OPEN OFFICE OUTLETS | 800 | B | 900 | | 15/2 | - | 35 | |
| 15 | - | 20/1 | OPEN OFFICE OUTLETS | 800 | C | 900 | DSHP-2 | 15/2 | - | 36 | |
| 16 | - | 20/1 | OPEN OFFICE OUTLETS | 800 | A | 900 | | 15/2 | - | 37 | |
| 17 | - | 20/1 | CONFERENCE OUTLETS | 1,400 | B | 900 | DSHP-3 | 15/2 | - | 38 | |
| 18 | - | 20/1 | HAND DRYER | 1,500 | C | 900 | | 15/2 | - | 39 | |
| 19 | - | 20/1 | GYM OUTLETS | 1,400 | A | 1,000 | STAGE POWER | 20/1 | - | 40 | |
| 20 | - | 20/1 | GYM FLOOR BOX | 800 | B | 1,000 | STAGE POWER | 20/1 | - | 41 | |
| 21 | - | 20/1 | SCOREBOARD | 1,200 | C | 1,000 | STAGE POWER | 20/1 | - | 42 | |

| RP-A1 (SECT. 2) | | | | | | | | | | | |
|-----------------|-------|------|--------------------|-------|-------|-------|-----------------------|-------|-------|----------|--|
| CKT. NO. | NOTES | BKR | DESCRIPTION | WATTS | PHASE | WATTS | DESCRIPTION | BKR | NOTES | CKT. NO. | |
| 43 | - | 15/2 | AC-1,2 | 300 | A | - | - | 20/1 | - | 64 | |
| 44 | - | | | 300 | B | - | - | 20/1 | - | 65 | |
| 45 | - | 20/1 | SOUND SYSTEM | 1,500 | C | - | - | 20/1 | - | 66 | |
| 46 | - | 20/1 | SOUND SYSTEM | 1,500 | A | - | - | 20/1 | - | 67 | |
| 47 | LCP | 20/1 | LANDSCAPE LIGHTING | 200 | B | - | - | 20/1 | - | 68 | |
| 48 | LCP | 20/1 | LANDSCAPE LIGHTING | 200 | C | - | - | 20/1 | - | 69 | |
| 49 | - | 20/1 | SPARE | | A | - | - | 20/1 | - | 70 | |
| 50 | - | 20/1 | SPARE | | B | - | - | 20/1 | - | 71 | |
| 51 | - | 20/1 | SPARE | | C | - | - | 20/1 | - | 72 | |
| 52 | - | 20/1 | SPARE | | A | - | - | 20/1 | - | 73 | |
| 53 | - | 20/1 | SPARE | | B | - | - | 20/1 | - | 74 | |
| 54 | - | 20/1 | SPARE | | C | - | - | 20/1 | - | 75 | |
| 55 | - | 20/1 | - | | A | - | - | 20/1 | - | 76 | |
| 56 | - | 20/1 | - | | B | - | - | 20/1 | - | 77 | |
| 57 | - | 20/1 | - | | C | - | - | 20/1 | - | 78 | |
| 58 | - | 20/1 | - | | A | - | - | 20/1 | - | 79 | |
| 59 | - | 20/1 | - | | B | - | - | 20/1 | - | 80 | |
| 60 | - | 20/1 | - | | C | - | - | 20/1 | - | 81 | |
| 61 | - | 20/1 | - | | A | 1,067 | RP-D1 | 100/3 | - | 82 | |
| 62 | - | 20/1 | - | | B | 1,067 | 4#3 & 1#6G - 1 1/2" C | | - | 83 | |
| 63 | - | 20/1 | - | | C | 1,067 | | | - | 84 | |

| NOTES | | | | | | | | | | | |
|-------|---|--|--|--|--|--|--|--|--|--|--|
| 1. | PROVIDE INTEGRAL 160KA (PER PHASE) SPD. | | | | | | | | | | |
| 2. | "GFCI" = BE GFI-TYPE BKR. (5mA TRIP). | | | | | | | | | | |
| 3. | "LO" = LOCK-ON HARDWARE. | | | | | | | | | | |

| PANELBOARD SCHEDULE - RP-B2 (SECT. 1) | | | | | | | | | | | |
|---------------------------------------|-------|-------------------------------|-------------------------------|-------------|-------|------------------------|-----------------------|-----------|-------|-----------|--|
| PANEL TYPE: | | SQUARE 'D' TYPE NQ | | AIC RATING: | | 10KAC (MINIMUM) | | | | | |
| VOLTAGE: | | 120/208V-3P-4W | | MOUNTING: | | SURFACE | | LOCATION: | | SEE PLANS | |
| AMPS & TYPE: | | 300/3 MAIN BKR | | FEEDER: | | 4-350MCM & 1#2G - 3" C | | | | | |
| FED FROM: | LP-B2 | SEE PANELBOARD SCHEDULE - MSB | | | | | | | | | |
| CKT. NO. | NOTES | BKR | DESCRIPTION | WATTS | PHASE | WATTS | DESCRIPTION | BKR | NOTES | CKT. NO. | |
| 1 | - | 20/1 | CORRIDOR OUTLETS | 1,500 | A | 600 | FITNESS OUTLETS | 20/1 | - | 22 | |
| 2 | - | 20/1 | MULTI-PURPOSE ROOM OUTLETS | 1,000 | B | 800 | FITNESS OUTLETS | 20/1 | - | 23 | |
| 3 | - | 20/1 | PROJECTOR AND SCREEN | 600 | C | 1,127 | ESP-1 | 20/1 | - | 24 | |
| 4 | - | 20/1 | EXTERIOR OUTLETS | 1,200 | A | 900 | ELEVATOR CAB LIGHTING | 20/1 | - | 25 | |
| 5 | - | 20/1 | ELEVATOR SHAFT LIGHTS | 600 | B | 200 | GMA | 20/1 | - | 26 | |
| 6 | - | 20/1 | ELEVATOR SHAFT POWER | 600 | C | | SPARE | 20/1 | - | 27 | |
| 7 | GFCI | 20/1 | DRINKING FOUNTAINS (LEVEL 1) | 1,000 | A | | SPARE | 20/1 | - | 28 | |
| 8 | - | 20/1 | LOCKER ROOM COUNTER OUTLETS | 1,000 | B | | SPARE | 20/1 | - | 29 | |
| 9 | - | 20/1 | LOCKER ROOM COUNTER OUTLETS | 1,000 | C | 150 | AC-10, 11 | 15/2 | - | 30 | |
| 10 | - | 20/1 | HAND DRYER | 1,500 | A | 150 | | 15/2 | - | 31 | |
| 11 | - | 20/1 | HAND DRYER | 1,500 | B | 400 | AC-8 | 15/2 | - | 32 | |
| 12 | - | 20/1 | LOCKER ROOM OUTLETS | 1,200 | C | 400 | | 15/2 | - | 33 | |
| 13 | - | 20/1 | LOCKER ROOM COUNTER OUTLETS | 1,000 | A | 1,000 | AC-9 | 15/2 | - | 34 | |
| 14 | - | 20/1 | LOCKER ROOM COUNTER OUTLETS | 1,000 | B | 1,000 | | 15/2 | - | 35 | |
| 15 | - | 20/1 | HAND DRYER | 1,500 | C | 700 | AC-3B, 4 | 15/2 | - | 36 | |
| 16 | - | 20/1 | HAND DRYER | 1,500 | A | 700 | | 15/2 | - | 37 | |
| 17 | - | 20/1 | LOBBY OUTLETS | 1,200 | B | 700 | AC-3A | 15/2 | - | 38 | |
| 18 | GFCI | 20/1 | DRINKING FOUNTAINS (LEVEL 2) | 1,000 | C | 700 | | 15/2 | - | 39 | |
| 19 | - | 20/1 | ELEVATOR SHAFT LIGHTS | 500 | A | 4,725 | PP-CONC | 100/3 | - | 40 | |
| 20 | - | 20/1 | ELEVATOR SHAFT POWER | 500 | B | 4,725 | 4#3 & 1#6G - 1 1/2" C | | - | 41 | |
| 21 | - | 20/1 | CONVENIENCE OUTLETS (LEVEL 2) | 1,200 | C | 4,725 | | 15/2 | - | 42 | |

| RP-B2 (SECT. 2) | | | | | | | | | | | |
|-----------------|-------|------|----------------------------|-------|-------|-------|-------------|------|-------|----------|--|
| CKT. NO. | NOTES | BKR | DESCRIPTION | WATTS | PHASE | WATTS | DESCRIPTION | BKR | NOTES | CKT. NO. | |
| 43 | - | 15/2 | BC-1 | 500 | A | - | - | 20/1 | - | 64 | |
| 44 | - | | | 500 | B | - | - | 20/1 | - | 65 | |
| 45 | - | 20/1 | MCP-1 | 500 | C | - | - | 20/1 | - | 66 | |
| 46 | - | 20/1 | MULTI-PURPOSE ROOM OUTLETS | 1,600 | A | - | - | 20/1 | - | 67 | |
| 47 | - | 20/1 | MULTI-PURPOSE ROOM OUTLETS | 800 | B | - | - | 20/1 | - | 68 | |
| 48 | - | 20/1 | SPARE | | C | - | - | 20/1 | - | 69 | |
| 49 | - | 20/1 | SPARE | | A | - | - | 20/1 | - | 70 | |
| 50 | - | 20/1 | SPARE | | B | - | - | 20/1 | - | 71 | |
| 51 | - | 20/1 | SPARE | | C | - | - | 20/1 | - | 72 | |
| 52 | - | 20/1 | SPARE | | A | - | - | 20/1 | - | 73 | |
| 53 | - | 20/1 | - | | B | - | - | 20/1 | - | 74 | |
| 54 | - | 20/1 | - | | C | - | - | 20/1 | - | 75 | |
| 55 | - | 20/1 | - | | A | - | - | 20/1 | - | 76 | |
| 56 | - | 20/1 | - | | B | - | - | 20/1 | - | 77 | |
| 57 | - | 20/1 | - | | C | - | - | 20/1 | - | 78 | |
| 58 | - | 20/1 | - | | A | - | - | 20/1 | - | 79 | |
| 59 | - | 20/1 | - | | B | - | - | 20/1 | - | 80 | |
| 60 | - | 20/1 | - | | C | - | - | 20/1 | - | 81 | |
| 61 | - | 20/1 | - | | A | - | - | 20/1 | - | 82 | |
| 62 | - | 20/1 | - | | B | - | - | 20/1 | - | 83 | |
| 63 | - | 20/1 | - | | C | - | - | 20/1 | - | 84 | |

| NOTES | | | | | | | | | | | |
|-------|---|--|--|--|--|--|--|--|--|--|--|
| 1. | PROVIDE INTEGRAL 160KA (PER PHASE) SPD. | | | | | | | | | | |
| 2. | "GFCI" = BE GFI-TYPE BKR. (5mA TRIP). | | | | | | | | | | |

| PANELBOARD SCHEDULE - LP-C2 | | | | | | | | | | | |
|-----------------------------|-------|-------------------------------|-------------|-------------|-------|-------------------------------|-------------------------|-----------|-------|-----------|--|
| PANEL TYPE: | | SQUARE 'D' TYPE NF | | AIC RATING: | | 25KAC (MINIMUM) | | | | | |
| VOLTAGE: | | 277/480V-3P-4W | | MOUNTING: | | SURFACE | | LOCATION: | | SEE PLANS | |
| AMPS & TYPE: | | 225 AMP - MLO | | FEEDER: | | SEE PANELBOARD SCHEDULE - MSB | | | | | |
| FED FROM: | MSB | SEE PANELBOARD SCHEDULE - MSB | | | | | | | | | |
| CKT. NO. | NOTES | BKR | DESCRIPTION | WATTS | PHASE | WATTS | DESCRIPTION | BKR | NOTES | CKT. NO. | |
| 1 | - | 20/1 | LIGHTING | 2,000 | A | - | - | 20/1 | - | 22 | |
| 2 | - | 20/1 | SPARE | | B | - | - | 20/1 | - | 23 | |
| 3 | - | 20/1 | SPARE | | C | - | - | 20/1 | - | 24 | |
| 4 | - | 20/1 | SPARE | | A | - | - | 20/1 | - | 25 | |
| 5 | - | 20/1 | SPARE | | B | - | - | 20/1 | - | 26 | |
| 6 | - | 20/1 | SPARE | | C | - | - | 20/1 | - | 27 | |
| 7 | - | 20/1 | SPARE | | A | - | - | 20/1 | - | 28 | |
| 8 | - | 20/1 | - | | B | - | - | 20/1 | - | 29 | |
| 9 | - | 20/1 | - | | C | - | - | 20/1 | - | 30 | |
| 10 | - | 20/1 | - | | A | - | - | 20/1 | - | 31 | |
| 11 | - | 20/1 | - | | B | - | - | 20/1 | - | 32 | |
| 12 | - | 20/1 | - | | C | - | - | 20/1 | - | 33 | |
| 13 | - | 20/1 | - | | A | - | - | 20/1 | - | 34 | |
| 14 | - | 20/1 | - | | B | - | - | 20/1 | - | 35 | |
| 15 | - | 20/1 | - | | C | - | - | 20/1 | - | 36 | |
| 16 | - | 20/1 | - | | A | - | - | 20/1 | - | 37 | |
| 17 | - | 20/1 | - | | B | - | - | 20/1 | - | 38 | |
| 18 | - | 20/1 | - | | C | - | - | 20/1 | - | 39 | |
| 19 | - | 20/1 | - | | A | 8,517 | RP-C2 (45 KVA X-FORMER) | 80/3 | - | 40 | |
| 20 | - | 20/1 | - | | B | 8,517 | 3#4 & 1#6G - 1 1/2" C | | - | 41 | |
| 21 | - | 20/1 | - | | C | 8,517 | | | - | 42 | |

| NOTES | | | | | | | | | | | |
|-------|---|--|--|--|--|--|--|--|--|--|--|
| 1. | PROVIDE INTEGRAL 160KA (PER PHASE) SPD. | | | | | | | | | | |

| PANELBOARD SCHEDULE - RP-C2 | | | | | | | | | | | |
|-----------------------------|-------|-------------------------------|-------------------------------|-------------|-------|--------------------|-------------------------|-----------|-------|-----------|--|
| PANEL TYPE: | | SQUARE 'D' TYPE NQ | | AIC RATING: | | 10KAC (MINIMUM) | | | | | |
| VOLTAGE: | | 120/208V-3P-4W | | MOUNTING: | | SURFACE | | LOCATION: | | SEE PLANS | |
| AMPS & TYPE: | | 150/3 MAIN BKR | | FEEDER: | | 4#10 & 1#6G - 2" C | | | | | |
| FED FROM: | LP-C2 | SEE PANELBOARD SCHEDULE - MSB | | | | | | | | | |
| CKT. NO. | NOTES | BKR | DESCRIPTION | WATTS | PHASE | WATTS | DESCRIPTION | BKR | NOTES | CKT. NO. | |
| 1 | - | 20/1 | CONVENIENCE OUTLETS (LEVEL 2) | 600 | A | 800 | GYM CONVENIENCE OUTLETS | 20/1 | - | 22 | |
| 2 | - | 20/1 | TBB | 600 | B | 200 | ROOF OUTLETS | 20/1 | - | 23 | |
| 3 | - | 20/1 | TBB | 600 | C | 100 | RECEPTION PENDANTS | 20/1 | - | 24 | |
| 4 | - | 20/1 | SCOREBOARD | 1,200 | A | | SPARE | 20/1 | - | 25 | |
| 5 | - | 20/1 | POWERED GOAL | 1,000 | B | | SPARE | 20/1 | - | 26 | |
| 6 | - | 20/1 | HAND DRYER | 1,500 | C | | SPARE | 20/1 | - | 27 | |
| 7 | - | 20/1 | OFFICE OUTLETS | 1,000 | A | | SPARE | 20/1 | - | 28 | |
| 8 | - | 20/1 | OFFICE OUTLETS | 1,000 | B | | SPARE | 20/1 | - | 29 | |
| 9 | - | 20/1 | OFFICE OUTLETS | 600 | C | | SPARE | 20/1 | - | 30 | |
| 10 | - | 20/1 | RECEPTION OUTLETS | 800 | A | - | - | 20/1 | - | 31 | |
| 11 | - | 20/1 | CONVENIENCE OUTLETS | 650 | B | - | - | 20/1 | - | 32 | |
| 12 | - | 20/1 | LOCKER ROOM COUNTER OUTLET | 1,000 | | | | | | | |

| LIGHTING FIXTURE SCHEDULE | | | | | | | | | | |
|---------------------------|-----------------------------|---|---------|---------------------------|---------|-----------|---|-----------------|---------|--|
| MARK | MANUFACTURER | CATALOG NUMBER | VOLTAGE | LAMPS | | | MOUNTING HEIGHT | MOUNTING TYPE | REMARKS | |
| | | | | WATTS | LUMENS | TYPE | | | | |
| Q1 | INSIGHT LIGHTING | PS-17-MO-400--VS-Q-10VDIM | 120/277 | 154 | 14,400 | LED 4000K | MOUNT ON 30'-0" ROUND STEEL POLE - SEE DETAIL "E-PL" | FSA | | |
| Q2 | INSIGHT LIGHTING | PS-17-HO-400--VS-Q-10VDIM | 120/277 | 224 | 21,000 | LED 4000K | MOUNT ON 30'-0" ROUND STEEL POLE - SEE DETAIL "E-PL" | FSA | | |
| Q3 | INSIGHT LIGHTING | PS-17-HO-200--VS-Q-10VDIM | 120/277 | 224 | 21,000 | LED 4000K | MOUNT ON 30'-0" ROUND STEEL POLE - SEE DETAIL "E-PL" | FSA | | |
| R | ASL LIGHTING | V2106-DV-WS1 | 120/277 | 15 | 1,237 | LED 3500K | ABOVE MIRROR | OUTLET BOX FSA | | |
| SL | MARK ARCHITECTURAL LIGHTING | SL4L-LOP-14FT-RLP-600LMF-TG NODIM | 277 | 6 WFT | 600 LFT | LED 3500K | CEILING | RECESSED LAY-IN | | |
| UC | LED LINEAR | HYDRA-ECO-SW-07-CONTOUR 5560 LED LINEAR NON-DIMMABLE DRIVER | 120/277 | 2WFT | 200LFT | LED 3500K | UNDER CABINET | SURFACE UC | | |
| W | LITHONIA WILLIAMS DAY-BRITE | WST LED-P1-VF | 120/277 | 12 | 1,600 | LED 4000K | AS DIRECTED BY ARCHITECT | OUTLET BOX | | |
| WE | LITHONIA WILLIAMS DAY-BRITE | WST LED-P1-VF-EL | 120/277 | 12 | 1,600 | LED 4000K | AS DIRECTED BY ARCHITECT | OUTLET BOX EM | | |
| W2 | LITHONIA | DSXW-1-LED-20C-700-T2S | 120/277 | 46 | 5,600 | LED 4000K | 14'-6" A.F.F. | OUTLET BOX FSA | | |
| X1 | LITHONIA WILLIAMS DAY-BRITE | EDG-1-RMR-EL | 120/277 | FURNISHED BY MANUFACTURER | | | CEILING OR ABOVE DOOR | OUTLET BOX EMK | | |
| X2 | LITHONIA WILLIAMS DAY-BRITE | EDG-2-RMR-EL | 120/277 | FURNISHED BY MANUFACTURER | | | CEILING OR ABOVE DOOR | OUTLET BOX EMK | | |
| X3 | LITHONIA WILLIAMS DAY-BRITE | EDG-1-RMR-EL WITH WIRE GUARD | 120/277 | FURNISHED BY MANUFACTURER | | | CEILING OR ABOVE DOOR | OUTLET BOX EMK | | |
| Y2 | LITHONIA WILLIAMS DAY-BRITE | DSX2 LED-P1-T2M-RPA | 120/277 | 135 | 18,477 | LED 4000K | MOUNT ON 30'-0" ROUND ALUM POLE - SEE DETAIL "E-LP1" | FSA | | |
| Y4 | LITHONIA WILLIAMS DAY-BRITE | DSX2 LED-P1-T4M-RPA | 120/277 | 135 | 18,970 | LED 4000K | MOUNT ON 30'-0" ROUND ALUM POLE - SEE DETAIL "E-LP1" | FSA | | |
| Z1 | VISTA LIGHT | 1045--MF-C | 120/277 | 26 | 2,230 | LED 4000K | MOUNT ON CONCRETE BASE FLUSH WITH GRADE WITH ARCH J-BOX COVER | FSA | | |
| ZF | HYDREL | IGF6-A-LED-P3-80CRI-30DEG-OT-FLCSR-34S-IHL-BL | 120/277 | 23 | 2,400 | LED 4000K | RECESSED IN GRADE WITH CONCRETE ANCHOR BASE | FSA | | |
| ZM | MONUMENT SIGN LIGHTING | 8800.00 ALLOWANCE PER FIXTURE | 120/277 | TBD | TBD | LED 4000K | MOUNT ON CONCRETE BASE FLUSH WITH GRADE WITH ARCH J-BOX COVER | FSA | | |

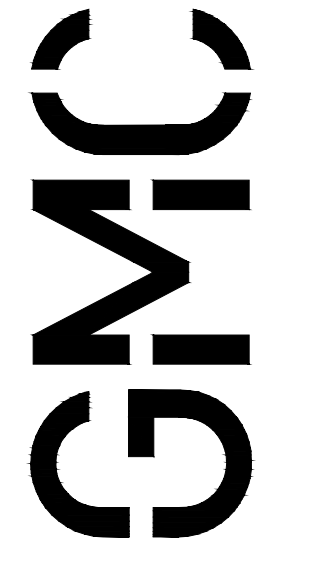
LIGHTING FIXTURE SCHEDULE GENERAL NOTES:
1. CONTRACTOR SHALL COORDINATE ALL FIXTURE MOUNTING PROVISIONS WITH THE ASSOCIATED CEILING TYPE(S) PRIOR TO ORDERING FIXTURES.
2. ALL FIXTURES AND BALLASTS/DRIVERS SHALL BE RATED FOR OPERATION IN AMBIENT TEMPERATURES UP TO 55 DEGREES CELSIUS.
3. TO ENSURE PROPER COORDINATION AND LONG TERM SUPPORT FOR THE OWNER, ALL LIGHTING FIXTURES SHALL BE PURCHASED THROUGH MANUFACTURER'S REPRESENTATIVES AND DISTRIBUTORS LOCATED WITHIN ONE HUNDRED & FIFTY (150) MILES OF THE PROJECT SITE. SUBMITTALS RECEIVED THAT DO NOT COMPLY WITH THIS REQUIREMENT WILL BE REJECTED WITHOUT REVIEW. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DELAYS CAUSED BY NON-COMPLIANCE WITH THIS REQUIREMENT.

LIGHTING FIXTURE SCHEDULE KEYED NOTES:
EM EMERGENCY FIXTURE. PROVIDE EMERGENCY BATTERY PACK RATED FOR AT LEAST 500 LUMENS.
EM4 EMERGENCY FIXTURE. PROVIDE EMERGENCY BATTERY PACK RATED FOR AT LEAST 1400 LUMENS.
EMK EMERGENCY FIXTURE. PROVIDE EMERGENCY BATTERY PACK RATED FOR AT LEAST 90 MINUTES OF OPERATION.
FSA PROVIDE FINISH AS SELECTED BY ARCHITECT.
UC FURNISH THE GREATER QUANTITY OF ONE (1) TYPE 'UC' FIXTURE PER CABINET SECTION OR ONE PER 24" OF LINEAR CABINET FOR LENGTH OF CABINET INDICATED ON PLANS. FIELD-COORDINATE EXACT LOCATIONS WITH CABINETRY TO COORDINATE WITH UNDERCABINET MOUNTING STRUCTURE AND TO PROVIDE UNIFORM UNDERCABINET LIGHTING LEVELS.
WC PROVIDE WHITE CABLES, POWER CORDS AND CANOPY COVERS FOR FIXTURES LOCATED IN EXPOSED CEILINGS.

| LIGHTING FIXTURE SCHEDULE | | | | | | | | | | |
|---------------------------|-----------------------------|---|---------|-------|------------|----------------------|--|--------------------------|---------|--|
| MARK | MANUFACTURER | CATALOG NUMBER | VOLTAGE | LAMPS | | | MOUNTING HEIGHT | MOUNTING TYPE | REMARKS | |
| | | | | WATTS | LUMENS | TYPE | | | | |
| A1 | LITHONIA WILLIAMS DAY-BRITE | 2BLT4-30L-ADP-GZ1 | 120/277 | 23 | 3,000 | LED 3500K | CEILING | RECESSED LAY-IN | | |
| A1E | LITHONIA WILLIAMS DAY-BRITE | 2BLT4-30L-ADP-GZ1-EL | 120/277 | 23 | 3,000 | LED 3500K | CEILING | RECESSED LAY-IN EM | | |
| A2 | LITHONIA WILLIAMS DAY-BRITE | 2BLT4-40L-ADP-GZ1 | 120/277 | 31 | 4,000 | LED 3500K | CEILING | RECESSED LAY-IN | | |
| A2E | LITHONIA WILLIAMS DAY-BRITE | 2BLT4-40L-ADP-GZ1-EL | 120/277 | 31 | 4,000 | LED 3500K | CEILING | RECESSED LAY-IN EM | | |
| A3 | LITHONIA WILLIAMS DAY-BRITE | 2BLT4-48L-ADP-GZ1 | 120/277 | 40 | 4,800 | LED 3500K | CEILING | RECESSED LAY-IN | | |
| A3E | LITHONIA WILLIAMS DAY-BRITE | 2BLT4-48L-ADP-GZ1-EL | 120/277 | 40 | 4,800 | LED 3500K | CEILING | RECESSED LAY-IN EM | | |
| AK | LITHONIA WILLIAMS DAY-BRITE | 2GTL4-40L-GZ1 | 120/277 | 30 | 4,000 | LED 3500K | CEILING | RECESSED LAY-IN | | |
| AKE | LITHONIA WILLIAMS DAY-BRITE | 2GTL4-40L-GZ1-EL | 120/277 | 30 | 4,000 | LED 3500K | CEILING | RECESSED LAY-IN EM | | |
| AK2 | LITHONIA WILLIAMS DAY-BRITE | 2GTL4-48L-GZ1 | 120/277 | 36 | 4,800 | LED 3500K | CEILING | RECESSED LAY-IN | | |
| AK2E | LITHONIA WILLIAMS DAY-BRITE | 2GTL4-48L-GZ1-EL | 120/277 | 36 | 4,800 | LED 3500K | CEILING | RECESSED LAY-IN EM | | |
| B1 | LITHONIA WILLIAMS DAY-BRITE | EPANL-2X2-3400LM | 120/277 | 30 | 3,400 | LED 3500K | CEILING | RECESSED LAY-IN | | |
| B1E | LITHONIA WILLIAMS DAY-BRITE | EPANL-2X2-3400LM-EL | 120/277 | 30 | 3,400 | LED 3500K | CEILING | RECESSED LAY-IN EM | | |
| B2 | LITHONIA WILLIAMS DAY-BRITE | 2BLT2-33L-ADP-GZ1 | 120/277 | 27 | 3,300 | LED 3500K | CEILING | RECESSED LAY-IN | | |
| B2E | LITHONIA WILLIAMS DAY-BRITE | 2BLT2-33L-ADP-GZ1-EL | 120/277 | 27 | 3,300 | LED 3500K | CEILING | RECESSED LAY-IN EM | | |
| BL | HYDREL | 3110C-H42-LED-SYM | 120/277 | 84 | 1910 | LED 4000K | SEE DETAIL "E-BOL" | FSA | | |
| D1 | GOTHAM PRESCOLITE CALCULITE | EV04--**15-AR-LSS-WD-GZ1 | 120/277 | 14 | 1,500 | LED 3500K | CEILING | RECESSED | | |
| D1E | GOTHAM PRESCOLITE CALCULITE | EV04--**15-AR-LSS-WD-GZ1-EL | 120/277 | 14 | 1,500 | LED 3500K | CEILING | RECESSED EM | | |
| D2 | GOTHAM PRESCOLITE CALCULITE | EV04--**20-AR-LSS-WD-GZ1 | 120/277 | 20 | 2,000 | LED 3500K | CEILING | RECESSED | | |
| D2E | GOTHAM PRESCOLITE CALCULITE | EV04--**20-AR-LSS-WD-GZ1-EL | 120/277 | 20 | 2,000 | LED 3500K | CEILING | RECESSED EM | | |
| D3 | GOTHAM PRESCOLITE CALCULITE | EV04--**35-AR-LSS-WD-GZ1 | 120/277 | 35 | 3,500 | LED 3500K | CEILING | RECESSED | | |
| D3E | GOTHAM PRESCOLITE CALCULITE | EV04--**35-AR-LSS-WD-GZ1-EL | 120/277 | 35 | 3,500 | LED 3500K | CEILING | RECESSED EM | | |
| D4 | GOTHAM PRESCOLITE CALCULITE | EV04--**15-AR-LSS-WD-GZ1 | 120/277 | 14 | 1,500 | LED 4000K | CEILING | RECESSED | | |
| D4E | GOTHAM PRESCOLITE CALCULITE | EV04--**15-AR-LSS-WD-GZ1-EL | 120/277 | 14 | 1,500 | LED 4000K | CEILING | RECESSED EM | | |
| DS | GOTHAM PRESCOLITE CALCULITE | EV04SH--**15-DFR-SOL-GZ1 | 120/277 | 14 | 1,500 | LED 3500K | CEILING | RECESSED | | |
| EL | CANLET | 68-02-20W-L-WF-OG-09 | 120 | 19 | 1,700 MIN. | LED 4000K | ELEVATOR PIT | OUTLET BOX | | |
| EM | LITHONIA WILLIAMS DAY-BRITE | WL2-32L-GZ1-EL WITH WIRE GUARD | 120/277 | 21 | 2,200 | LED 3500K | CEILING | OUTLET BOX EM4 | | |
| F4 | LITHONIA WILLIAMS DAY-BRITE | WL4-30L-GZ1 | 120/277 | 29 | 3,000 | LED 3500K | CEILING | OUTLET BOX OR PENDANT | | |
| F4E | LITHONIA WILLIAMS DAY-BRITE | WL4-30L-GZ1-EL | 120/277 | 29 | 3,000 | LED 3500K | CEILING | OUTLET BOX OR PENDANT EM | | |
| G | LITHONIA WILLIAMS DAY-BRITE | IBHST-30000LM-SD080-MD-OZ10 WITH LENS | 120/277 | 280 | 30,000 | LED 3500K | 32'-0" A.F.F. | PENDANT FSA | | |
| GH | LITHONIA WILLIAMS DAY-BRITE | DMW2-L24-3000LM-PCL-MD | 120/277 | 28 | 3000 | LED 3500K | CEILING | SURFACE | | |
| GHE | LITHONIA WILLIAMS DAY-BRITE | DMW2-L24-3000LM-PCL-MD-EL | 120/277 | 28 | 3000 | LED 3500K | CEILING | SURFACE EM | | |
| GL6 | STARTEK | RHYDRO-6-1000-SD-1C | 120/277 | 54 | 6,000 | LED 3500K | CEILING | RECESSED FSA | | |
| GL6E | STARTEK | RHYDRO-6-1000-SD-1C-1EMB10 | 120/277 | 54 | 6,000 | LED 3500K | CEILING | RECESSED EM FSA | | |
| L17 | MARK ARCHITECTURAL LIGHTING | S4PD-LCB-17FT-MSL7-800LMF-SCT-MINI-CLL-ZT-F2**A-RDCY | 120/277 | 7 WFT | 800 LFT | LED 3500K | PENDANT MOUNT ON UNDERSIDE OF JOIST WITH BOTTOM OF FIXTURE EVEN WITH BOTTOM OF BAFFLES | FSA WC | | |
| L17E | MARK ARCHITECTURAL LIGHTING | S4PD-LCB-17FT-MSL7-800LMF-SCT-MINI-CLL-E10WLP-ZT-F2**A-RDCY | 120/277 | 7 WFT | 800 LFT | LED 3500K | PENDANT MOUNT ON UNDERSIDE OF JOIST WITH BOTTOM OF FIXTURE EVEN WITH BOTTOM OF BAFFLES | EM FSA WC | | |
| P1 | GOTHAM PRESCOLITE CALCULITE | IC04PC--**20-AR-LSS-45D-GZ1-JBXCC-PCAN-S* | 120/277 | 22 | 2,000 | LED 3500K | BOTTOM EVEN WITH BOTTOM OF BAFFLES | OUTLET BOX FSA WC | | |
| P1E | GOTHAM PRESCOLITE CALCULITE | IC04PC--**20-AR-LSS-45D-GZ1-JBXCC-PCAN-S*-E7WCP | 120/277 | 22 | 2,000 | LED 3500K | BOTTOM EVEN WITH BOTTOM OF BAFFLES | OUTLET BOX EM FSA WC | | |
| P2 | PABLO DESIGNS | SWELL PENDANT LIGHT | 120 | 13 | 1,500 | LED BULB EQUIV 3500K | AS DIRECTED BY ARCHITECT | PENDANT FSA | | |
| P3 | BARBICAN LIGHTING | 26-PCC-2D-72CD-ACM-RADL-800LFT-S010V01 | 120/277 | 8WFT | 800LFT | LED 3500K | AS DIRECTED BY ARCHITECT | PENDANT FSA WC | | |
| P4 | BARBICAN LIGHTING | 26-PCC-2D-48CD-ACM-RADL-800LFT-S010V01 | 120/277 | 8WFT | 800LFT | LED 3500K | AS DIRECTED BY ARCHITECT | PENDANT FSA WC | | |

| LIGHTING CONTROL PANEL SCHEDULE - LCP-A | | | | | | | | | | |
|---|-------------------------------|-------|---------|-------------------|---------|-------------|--------|--------------|--------|---------|
| MARK | DESCRIPTION | PANEL | CIRCUIT | AUTOMATIC CONTROL | | OVERRIDE ON | | OVERRIDE OFF | | REMARKS |
| | | | | ON | OFF | STATION | BUTTON | STATION | BUTTON | |
| R1 | EXTERIOR LIGHTING | LP-A1 | 1 | DUSK | DAWN | | | | | |
| R2 | EXTERIOR LIGHTING | LP-A1 | 2 | DUSK | DAWN | | | | | |
| R3 | SIGN LIGHTING | LP-A1 | 3 | DUSK | DAWN | | | | | |
| R4 | LOWER GYM LIGHTING - ZONE 'B' | LP-A1 | 6 | OWNER | OWNER | SLC1 | 5 | SLC1 | 5 | |
| R5 | LOWER GYM LIGHTING - ZONE 'T' | LP-A1 | 6 | OWNER | OWNER | SLC1 | 6 | SLC1 | 6 | |
| R6 | UPPER GYM LIGHTING | LP-A1 | 7 | OWNER | OWNER | SLC1 & SLC2 | 1 | SLC1 & SLC2 | 1 | |
| R7 | UPPER GYM LIGHTING | LP-A1 | 8 | OWNER | OWNER | SLC1 & SLC2 | 2 | SLC1 & SLC2 | 2 | |
| R8 | UPPER GYM LIGHTING | LP-A1 | 9 | OWNER | OWNER | SLC1 & SLC2 | 3 | SLC1 & SLC2 | 3 | |
| R9 | UPPER GYM LIGHTING | LP-A1 | 10 | OWNER | OWNER | SLC1 & SLC2 | 4 | SLC1 & SLC2 | 4 | |
| R10 | GYM EMERGENCY LIGHTING | LP-A1 | 11 | NORMALLY OFF | | | | | | NOTE 3 |
| R11 | PARKING LOT LIGHTING | LP-A2 | 22 | DUSK | DAWN | | | | | |
| R12 | PARKING LOT LIGHTING | LP-A3 | 23 | DUSK | MDNIGHT | | | | | |
| R13 | PARKING LOT LIGHTING | LP-A4 | 24 | DUSK | DAWN | | | | | |
| R14 | PARKING LOT LIGHTING | LP-A5 | 25 | DUSK | MDNIGHT | | | | | |
| R15 | SIGN LIGHTING | RP-A1 | 31 | OWNER | OWNER | | | | | |
| R16 | SIGN LIGHTING | RP-A1 | 32 | OWNER | OWNER | | | | | |
| R17 | FAÇADE LIGHTING | LP-A1 | 4 | OWNER | OWNER | | | | | |
| R18 | BOLLARDS | LP-A1 | 3 | DUSK | DAWN | | | | | |
| R19 | LANDSCAPE LIGHTING | RP-A1 | 47 | OWNER | OWNER | | | | | |
| R20 | LANDSCAPE LIGHTING | RP-A1 | 48 | OWNER | OWNER | | | | | |
| R21 | SPARE | | | | | | | | | |
| R22 | SPARE | | | | | | | | | |
| R23 | SPARE | | | | | | | | | |
| R24 | SPARE | | | | | | | | | |

NOTES:
1. PROVIDE BARRIER TO SEPARATE NORMAL AND EMERGENCY CIRCUITS.
2. VERIFY SCHEDULING TIMES WITH OWNER PRIOR TO PROGRAMMING SYSTEM.
3. GYM HIGH BAY EMERGENCY LIGHTING SHALL NORMALLY BE OFF UNTIL LOSS OF POWER.



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ISSUE DATE

IFB SET 05/28/2024

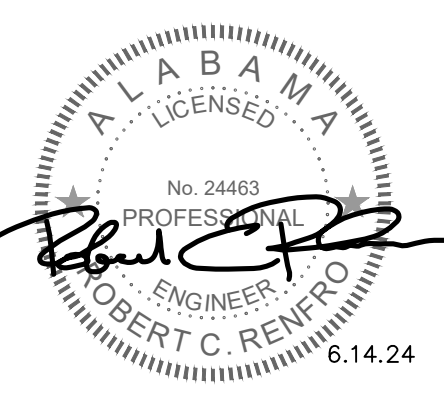
ADDENDUM 02 06/14/2024

DRAWN BY: SNJ

CHECKED BY: RCR

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