

## Addendum #1

October 23, 2024

Re: **Addendum No. 1**  
Cary Main EMS  
819 Kildaire Farm Road  
Cary, NC 27511  
ADW Job No. 21046  
Wake County Bid #24-086

These clarifications constitute Addendum No. 1 and considered part of the Bid Documents. General Contractor shall see that their sub-contractors are in full receipt of the information contained herein.

### General Clarifications:

- 1.) See attached attendance sheet from the non-mandatory pre-bid meeting held on Monday, October 14, 2024 at 2:00 pm. at the Cary Regional Library.
- 2.) Pre-bid meeting agenda: Page 2 Section IV-delete reference to alternates 1-7 being deduct alternates. Alternates included 1-3 in section 01 23 00 are to be all ADD alternates.
- 3.) **All bidders are to make sure they allow themselves enough time on bid day to park and get through Wake County Security at the entrances to the Justice Center.**

### Drawings:

#### Architectural:

- 1.) See attached revised sheet A000-cover sheet. Sheet A006-UL details has been added to the bid set.
- 2.) See attached revised sheet A002-1<sup>st</sup> Floor Life Safety Plan. Doors with panic hardware were noted per permit review comments. Exit lights were added to this sheet per permit comments.
- 3.) See attached revised sheet A003-2<sup>nd</sup> floor Life Safety Plan. Doors with panic hardware were noted per permit review comments. Exit lights were added to this sheet per permit comments. Walls surrounding the slide 219 area were changed to 1-hr rated walls per permit comments.
- 4.) See attached revised sheet A004-Wall types & UL details. Wall type #1C has been added for 1-hr UL detail U465. Wall type #15 has been added for 1-hr rated shaft wall.
- 5.) See attached revised sheet A005. UL detail U469 has been added for 1-hr shaft wall.
- 6.) See attached revised sheet A006. UL detail U465 has been added for 1-hr wall.

- 7.) Sheet A100: Change the note for the dual lock knoxbox to read as follows: “Recessed dual lock knox box 4446 series- mount 4’-0”aff (provide Wake County System Code PS-34-0058-93 for one of the cylinders (coordinate with Wake County Locksmith & Tommy Moorman with Wake FD&C), provide second cylinder keyed to Cary Fire Department (Coordinate with fire marshal).”
- 8.) See attached revised sheet A101. Walls enclosing slide 219 have been changed to 1-hr.
- 9.) See attached revised sheet A103 second floor dimension & wall types plan. Wall types around slide 219 have been revised.
- 10.) See attached revised sheet A110-roof plan. Note was added to roof hatch per permit comments.
- 11.) See attached revised sheet A111-roof details. Note was added to detail 3 roof hatch per permit comments.

**Plumbing:**

- 1.) Sheet P001: See attached revised sheet for gas load summary per permit comments.
- 2.) Sheet P201: See attached revised sheet for note regarding incoming water service, back flow preventer and PRV valve per permit comment.
- 3.) Sheet P210: See attached revised sheet for revisions to LAV-2 in Men 206. Roof square footage added to low roof area per permit comment.
- 4.) Sheet P200: See attached revised sheet for roof area drainage square feet per permit comment.
- 5.) Sheet P301: See attached revised sheet for updates to the riser diagrams per permit comment.

**Mechanical:**

- 1.) Sheet M501: See attached revised sheet for revised note 2 on detail 05/M501 per permit comment.

**Electrical:**

- 1.) Sheet E212: See attached revised sheet for revision of outlets to GF at dayroom 212 per permit comment.
- 2.) Sheet E400: See attached revised sheet for revision at panel P1 per permit comment.
- 3.) Sheet E501: See attached revised sheet for added note on detail 3/E501 per permit comment.
- 4.) Sheet E502: See attached revised sheet for revised note on detail 3/E502 per permit comment.

**End of Addendum #1**

Cc: \File

## Pre-Bid Meeting for the Garner Main EMS

### ATTENDANCE LIST

LOCATION: Cary Regional Library-Adult program room  
#221, 315 Kildaire Farm Road, Cary NC 27511

ADW#: 21046

DATE: October 14, 2:00 pm

Pre-Bid

Special Mtg.

Pre-Final

Monthly Conf.

Job Check

Final

NAME	COMPANY	EMAIL	PHONE
Mike Esposito	ADW Architects	mesposito@adwarchitects.com	704-379-1919
Tommy Moorman	Wake FD&C	tmoorman@wakegov.com	919-856-6366
Brandon Williams	ADW Architects	bwilliams@adwarchitects.com	704-379-1919
Christopher Meyerhoeffer	ADW Architects	cmeyerhoeffer@ADWArchitects.com	<del>704-379-1919</del> 919-218-1857
Dylan Greene	Gib Builders	dylan@ggbuildersnc.com	919-817-1512
Chris Turner	STRATEGIC CONNECTIONS	Chris.Turner@strategicmail.com	919-703-8691
ROHIT CHIMMULA	COOPER TACIA GC Company	rohit.chimmula@cooper tacia.com	919-777-2826
RICK CORNICE	TCC ENTERPRISES	RICK@TCCENTERPRISES.COM	919-812-1289
Mickey Fannery	Southern Energy	mickey@southern- energy.com	919-441-9666
Blair Thomas	TCC Enterprises	Blair@tccenterprises.com	919-496-3111
Sarah Kahr Richter	Wake FD+C	Sarah.KahrRichter@wake.gov	919-856-6368
Brian TESSIER	BAR construction	Bids@BARCONSTRUCTION.COM	336-274-2477
Dennis Place	MLB Construction	dplace@mlbind.com sraymond@mlbind.com	433 919 230
STEVE RAPER	SWINERTON	Steve.Raper@Swinerton.com	919-523-4604
BRUCE PRESNELL	CMC	bpresnell@cmcbuildinginc.com	910-228-9460
PARIN BODIWALLA	CMC	PARIN@cmcbuildinginc.com	919-491-8031
SCOTT ROLLER	HARROD + ASSOC	ESTIMATING@HARRODAND ASSEC.COM	720.788.3851







CARY MAIN  
EMS STATION

819 Kildaire Farm Road  
Cary, NC

Development Plan  
#23-DP-4187

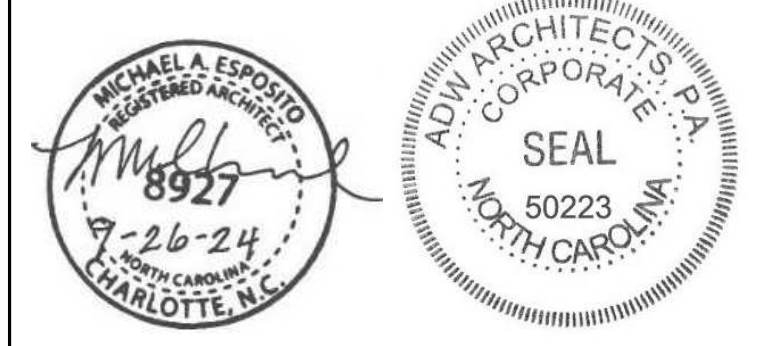
RFB#24-086

FIRST FLOOR LIFE  
SAFETY PLAN

DATE: 10-07-24  
PROJECT NO: 21046

REVISIONS  
NO. DATE DESCRIPTION:  
1 10-11-24 Addendum #1 - Permit Comments

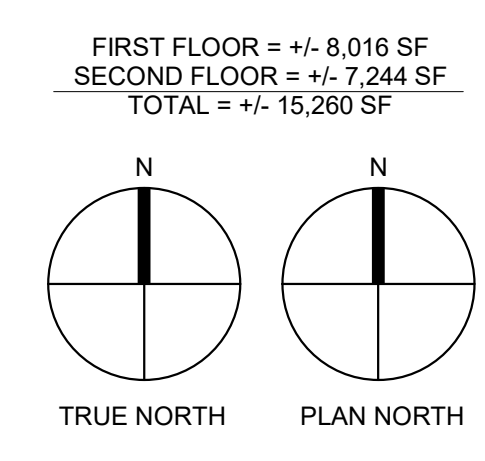
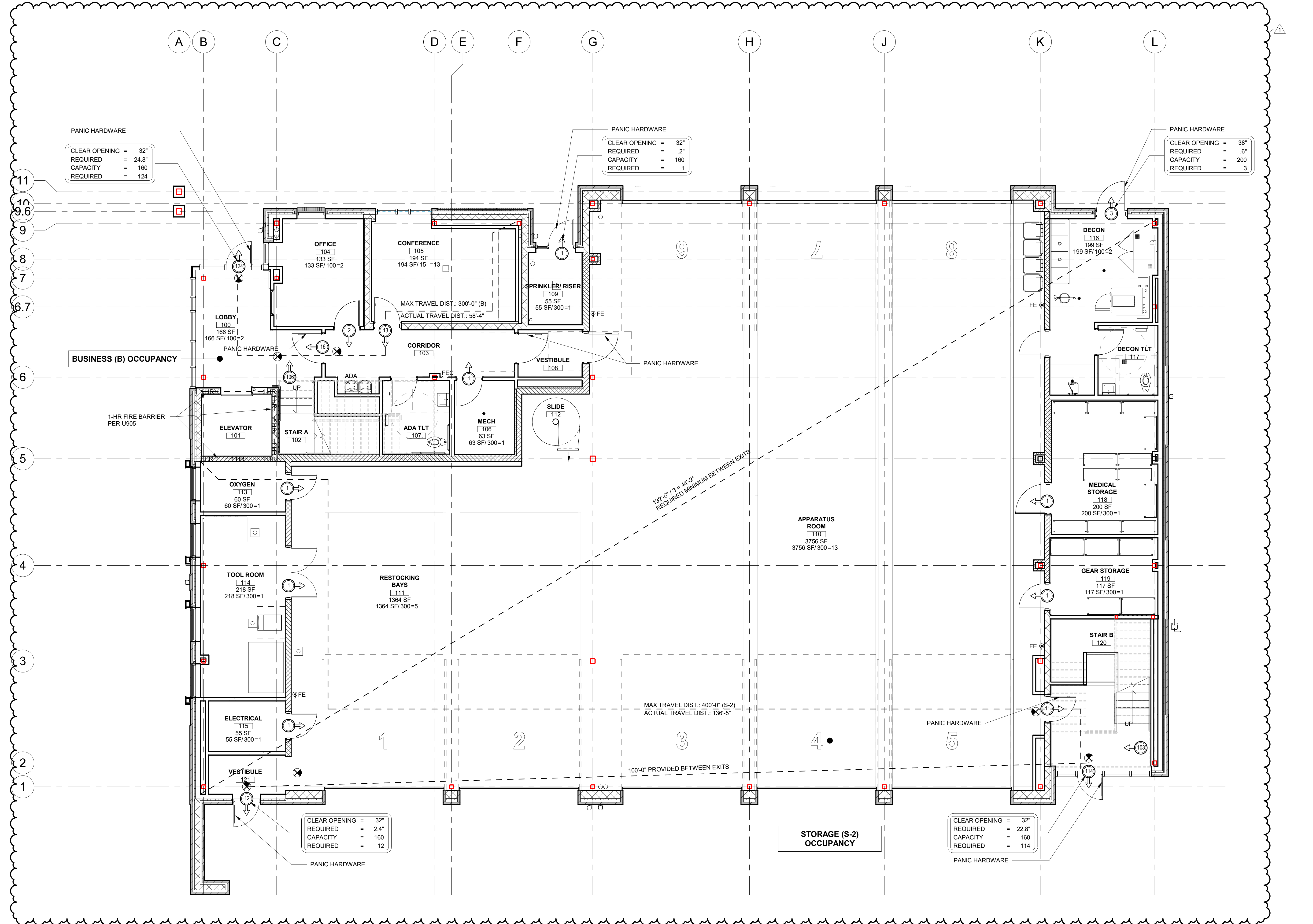
THIS DRAWING IS THE PROPERTY OF ADW ARCHITECTS, P.A. AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR PART. IT SHALL NOT BE USED ON ANY OTHER PROJECT OR GIVEN TO ANY OTHER COMPANY OR AGENCY WITHOUT THE CONSENT OF ADW ARCHITECTS, P.A.



SHEET NUMBER

A002

LIFE SAFETY PLAN LEGEND:	PLUMBING FIXTURE COUNT:
<ul style="list-style-type: none"> <li>1 HOUR FIRE BARRIER, UL #905</li> <li>1 HOUR FIRE PARTITION/BARRIER UL #407/UL #469. SEE WALL TYPES</li> <li>n = MAXIMUM NUMBER OF OCCUPANTS, CALCULATED PER TABLE 1004.1</li> <li>MAXIMUM TRAVEL DISTANCE</li> <li>FE - WALL MOUNTED FIRE EXTINGUISHER - NO CABINET</li> <li>FEC - FULL RECESSED FIRE EXTINGUISHER CABINET</li> <li>FEC-K - FULL RECESSED CLASS K FIRE EXTINGUISHER CABINET</li> </ul>	<p>TOTAL OCCUPANTS: 254 M: 127 W: 127</p> <p>PER 2018 NCBC TABLE 2902.1 B, S-2, &amp; A-3 OCCUPANCY</p> <p>(B) BUSINESS: 84 TOTAL (42 MALE/ 42 FEMALE) MALES = WC: 1 PER 25 1ST 50 (1.68) FEMALES = WC: 1 PER 25 1ST 50 (1.68) MALES = LAV: 1 PER 40 1ST 80 (1.05) FEMALES = LAV: 1 PER 40 1ST 80 (1.05) DRINKING FOUNTAIN = 1 PER 100 (0.84) 1 SERVICE SINK</p> <p>(S-2) STORAGE: 26 TOTAL (13 MALE/ 13 FEMALE) MALES = WC: 1 PER 100 (0.13) FEMALES = WC: 1 PER 100 (0.13) MALES = LAV: 1 PER 100 (0.13) FEMALES = LAV: 1 PER 100 (0.13) DRINKING FOUNTAIN = 1 PER 1000 (0.026) 1 SERVICE SINK</p> <p>(A-3) ASSEMBLY: 144 TOTAL (72 MALE/ 72 FEMALE) MALES = WC: 1 PER 125 (0.576) FEMALES = WC: 1 PER 65 (1.108) MALES = LAV: 1 PER 200 (0.36) FEMALES = LAV: 1 PER 200 (0.36) DRINKING FOUNTAIN = 1 PER 500 (0.288) 1 SERVICE SINK</p> <p>REQUIRED WC (MALE): 2 (1.68 + .13 + .576 = 1.874) WC (FEMALE): 3 (1.68 + .13 + 1.108 = 2.918) LAV (MALE): 2 (1.05 + .13 + .36 = 1.54) LAV (FEMALE): 2 (1.05 + .13 + .36 = 1.765) DF = 2 (.84 + .026 + .288 = 1.154) SERVICE SINK = 1</p> <p>PROVIDED WC (MALE): 1 WC / 1 URINAL WC (FEMALE): 2 WC (UNISEX): 5 LAV (MALE): 1 LAV (FEMALE): 1 LAV (UNISEX): 5 DF = 6 SHOWER = 3 SERVICE SINK = 2</p>





CARY MAIN  
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Cary, NC

Development Plan  
#23-DP-4187

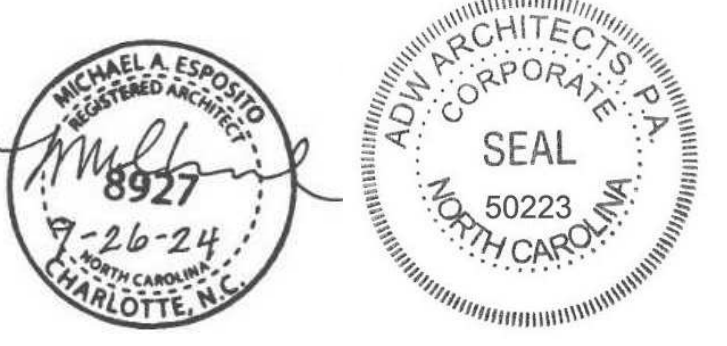
RFB#24-086

SECOND FLOOR LIFE  
SAFETY PLAN

DATE: 10-07-24  
PROJECT NO: 21046

REVISIONS  
NO. DATE DESCRIPTION:  
1 10-11-24 Addendum #1 - Permit Comments

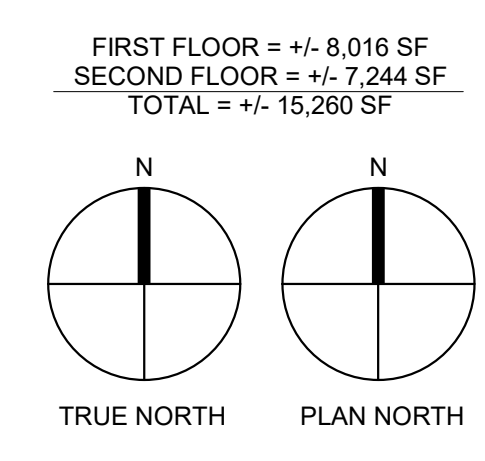
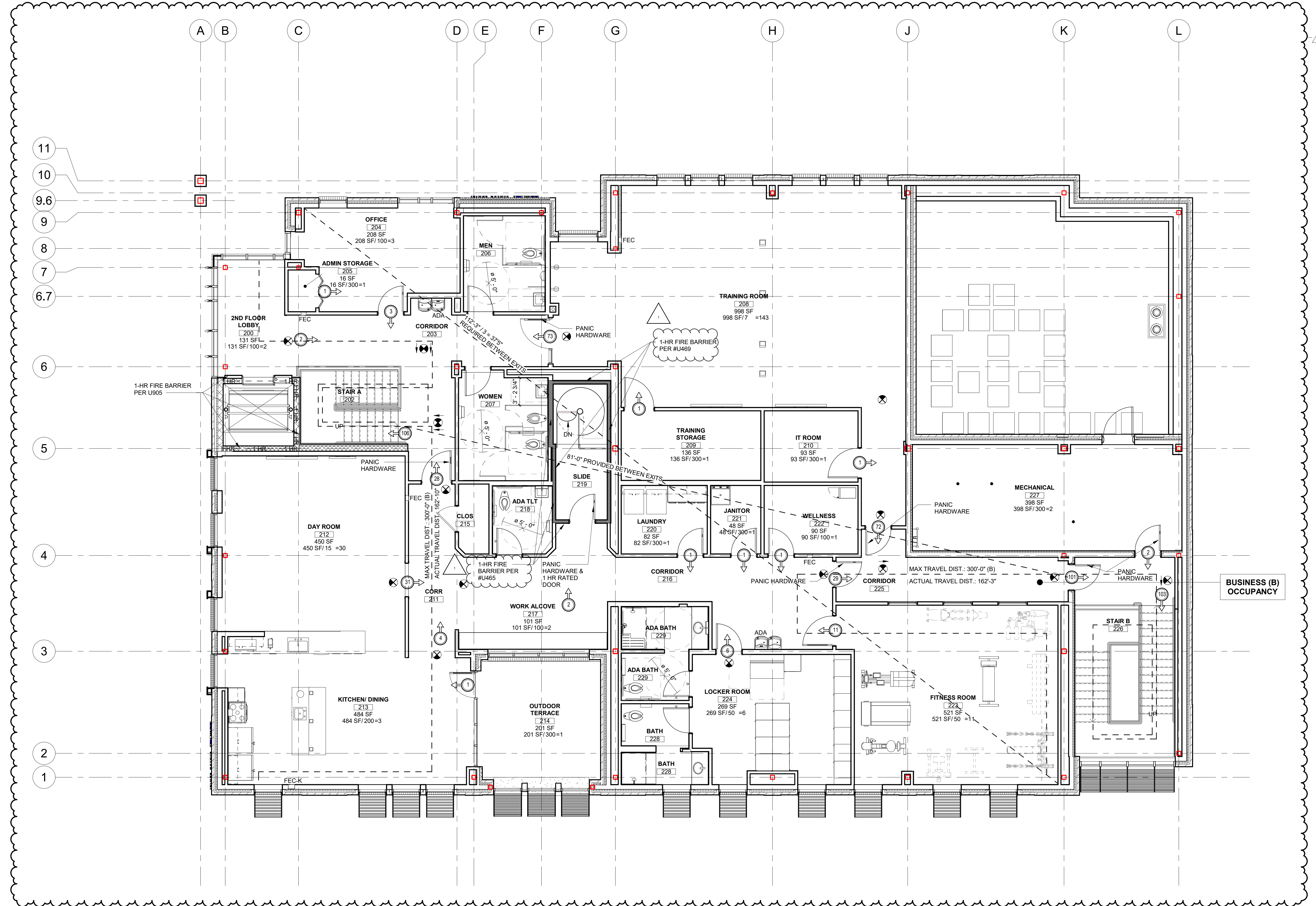
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SHEET NUMBER

A003

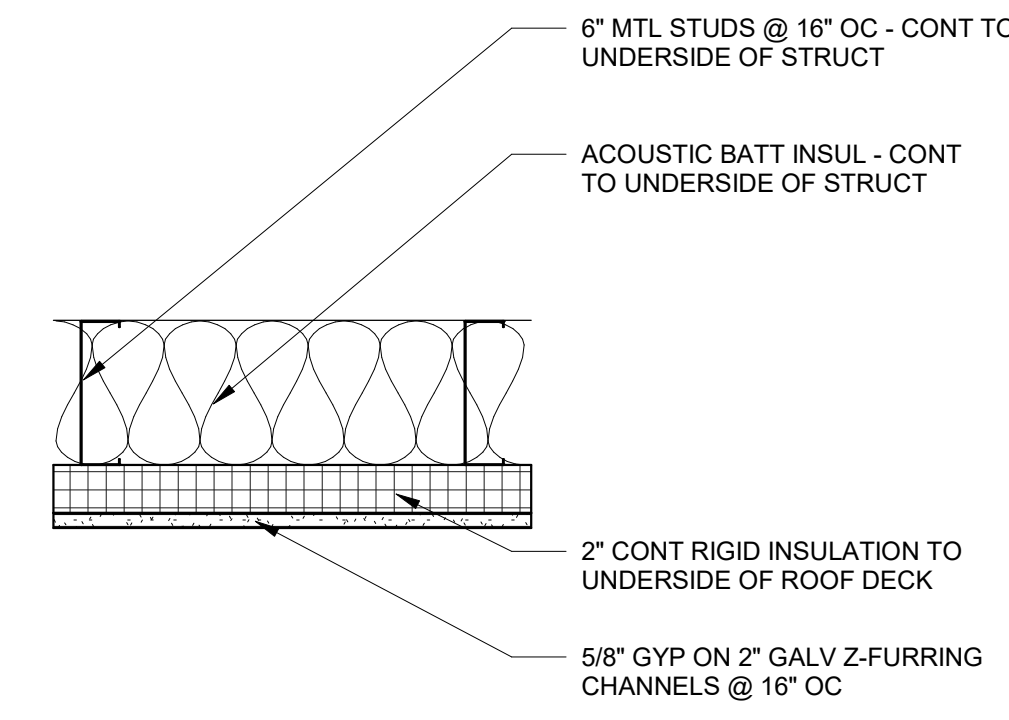
LIFE SAFETY PLAN LEGEND:	PLUMBING FIXTURE COUNT:
<ul style="list-style-type: none"> <li>1 HOUR FIRE BARRIER, UL #905</li> <li>1 HOUR FIRE PARTITION/BARRIER, UL #407/UL #469, SEE WALL TYPES</li> <li>n = MAXIMUM NUMBER OF OCCUPANTS, CALCULATED PER TABLE 1004.1</li> <li>MAXIMUM TRAVEL DISTANCE</li> <li>FE - WALL MOUNTED FIRE EXTINGUISHER - NO CABINET</li> <li>FEC - FULL RECESSED FIRE EXTINGUISHER CABINET</li> <li>FEC-K - FULL RECESSED CLASS K FIRE EXTINGUISHER CABINET</li> </ul>	<p>TOTAL OCCUPANTS: 254 M: 127 W: 127</p> <p>PER 2018 NCBC TABLE 2902.1 B, S-2, &amp; A-3 OCCUPANCY</p> <p>(B) BUSINESS: 84 TOTAL (42 MALE/ 42 FEMALE)            MALES = WC: 1 PER 25 1ST 50 (1.68)            FEMALES = WC: 1 PER 25 1ST 50 (1.68)            MALES = LAV: 1 PER 40 1ST 80 (1.05)            FEMALES = LAV: 1 PER 40 1ST 80 (1.05)            DRINKING FOUNTAIN = 1 PER 100 (0.84)            1 SERVICE SINK</p> <p>(S-2) STORAGE: 26 TOTAL (13 MALE/ 13 FEMALE)            MALES = WC: 1 PER 100 (0.13)            FEMALES = WC: 1 PER 100 (0.13)            MALES = LAV: 1 PER 100 (0.13)            FEMALES = LAV: 1 PER 100 (0.13)            DRINKING FOUNTAIN = 1 PER 1000 (0.026)            1 SERVICE SINK</p> <p>(A-3) ASSEMBLY: 144 TOTAL (72 MALE/ 72 FEMALE)            MALES = WC: 1 PER 125 (0.576)            FEMALES = WC: 1 PER 65 (1.108)            MALES = LAV: 1 PER 200 (0.36)            FEMALES = LAV: 1 PER 200 (0.36)            DRINKING FOUNTAIN = 1 PER 500 (0.288)            1 SERVICE SINK</p> <p>REQUIRED            WC (MALE): 2 (1.68 + .13 + .576 = 1.874)            WC (FEMALE): 3 (1.68 + .13 + 1.108 = 2.918)            LAV (MALE): 2 (1.05 + .13 + .36 = 1.54)            LAV (FEMALE): 2 (1.05 + .13 + .36 = 1.765)            DF = 2 (.84 + .026 + .288 = 1.154)            SERVICE SINK = 1</p> <p>PROVIDED            WC (MALE): 1 WC / 1 URINAL            WC (FEMALE): 2            WC (UNISEX): 5            LAV (MALE): 1            LAV (FEMALE): 1            LAV (UNISEX): 5            DF = 6            SHOWER = 3            SERVICE SINK = 2</p>



**GENERAL NOTES:**

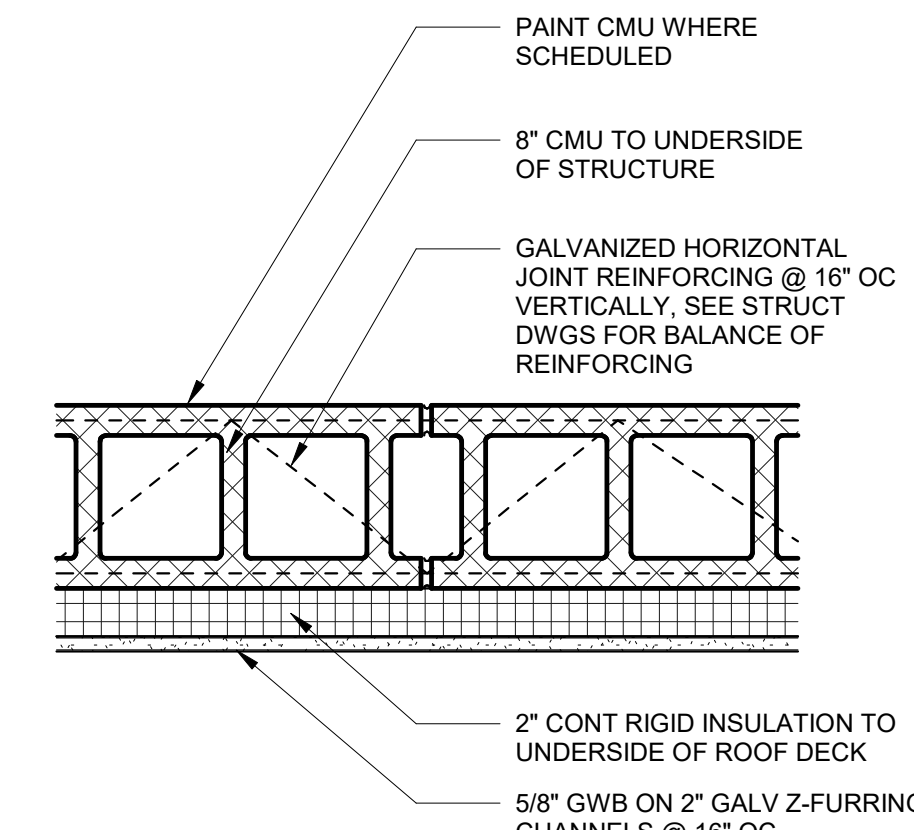
1. WALL TYPES ARE KEYED IN ON A102 & A103.
2. ALL GWB PENETRATIONS TO BE SEALED WITH ACOUSTICAL SEALANT AT NON-RATED WALLS WITH SOUND ATTENUATION BATTS. SEAL PENETRATIONS @ CMU W/ ACOUSTICAL SEALANT WHEN NON-RATED.
3. TILE BACKER BOARD (TBB) IS TO BE USED AT ALL WALLS TO RECEIVE TILE. MAINTAIN RATINGS AS REQUIRED.
4. PENETRATING ITEMS PASSING ENTIRELY THROUGH BOTH PROTECTIVE MEMBRANES OF BEARING WALLS ARE REQUIRED TO HAVE A FIRE-RESISTIVE RATING AND WALLS REQUIRED PROTECTED OPENINGS SHALL BE PROTECTED WITH THROUGH-PENETRATION FIRE STOPS.
5. ALL LAYERS ARE TO BE TAPED AND MUDDER (ALL WALL TYPES)
6. ALL WALLS ARE TO BE FINISHED SMOOTH (ALL WALL TYPES). REFER TO SPECIFICATIONS FOR REQUIRED FINISH LEVELS.
7. CONTRACTOR TO PROVIDE MEANS OF ACCOMMODATING MOVEMENT AT TOP TRACK OF NON-LOADBEARING STUD WALLS RUNNING PERPENDICULAR TO THE ROOF STRUCTURE.
8. REFER TO STRUCTURAL FOR ADDITIONAL CMU CORE FILL REQUIREMENTS.
9. ANY RATED WALL THAT CANNOT BE CONSTRUCTED AS LABELED DUE TO ACCESS SHALL BE BUILT OUT OF SHAFT WALL.
10. ALL PIPES, CONDUIT, CABLE TRAY, AND OTHER SIMILAR UTILITIES SHALL BE CONCEALED WITH METAL STUD FRAMING & 5/8" GWB WHERE VISIBLE TO VIEW. MINIMIZE PROJECTION INTO ROOM TO GREATEST EXTENT POSSIBLE.

**GENERAL NOTES** | 1 1/2" = 1'-0" 20



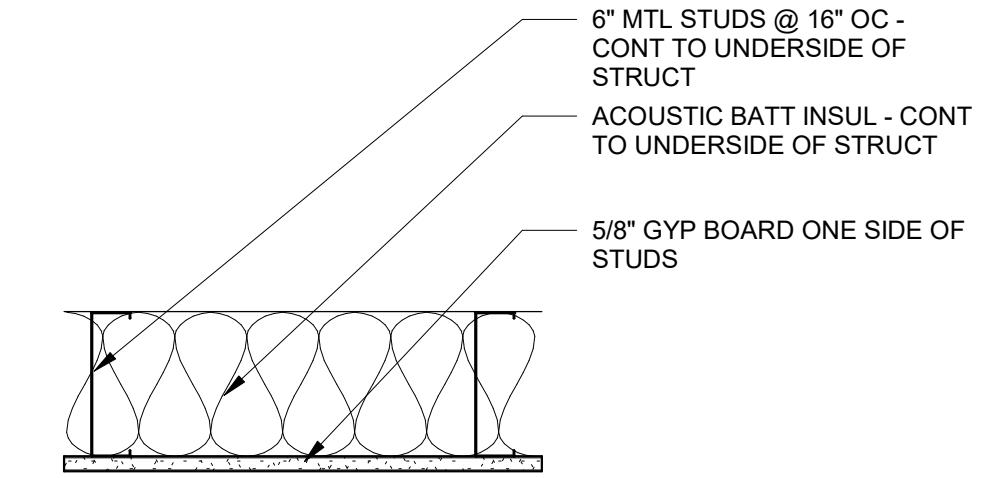
**WALL TYPE 12**  
5/8" GWB ON 2" GALV Z-FURRING CHANNELS @ 16" OC ON ONE SIDE ONLY ON 6" MTL STUDS @ 16" OC W/ 5 1/2" SOUND ATTENUATION BATTS. CONTINUE STUDS, GWB, AND SOUND BATTS TO UNDERSIDE OF STRUCTURE.

SEE OTHER DETAILS FOR BALANCE OF TYPICAL INFORMATION



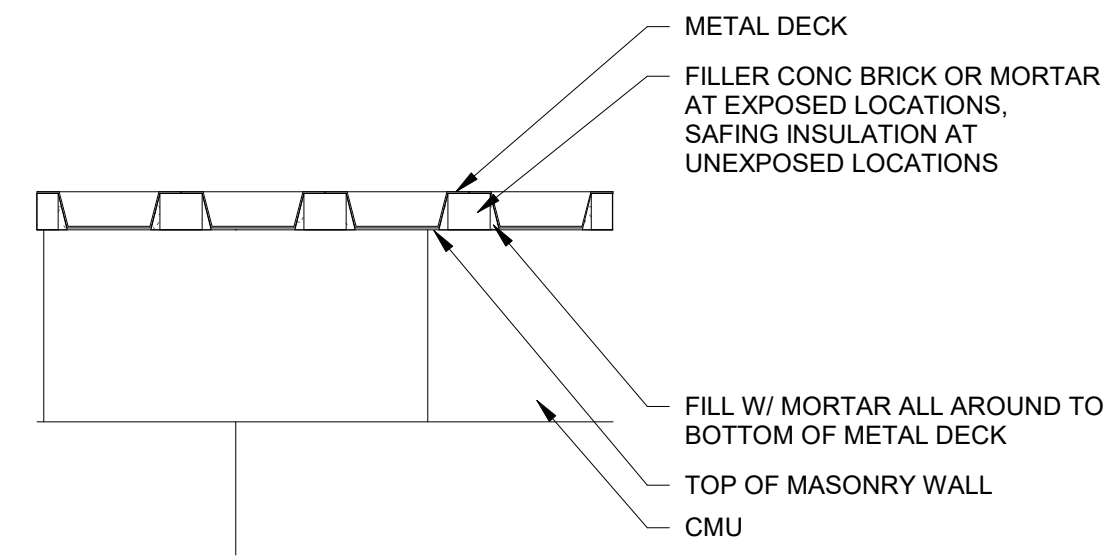
**WALL TYPE 8**  
8" CMU W/ 5/8" GWB ON 2" GALV Z-FURRING CHANNELS @ 16" OC ON ONE SIDE ONLY

SEE OTHER DETAILS FOR BALANCE OF TYPICAL INFORMATION

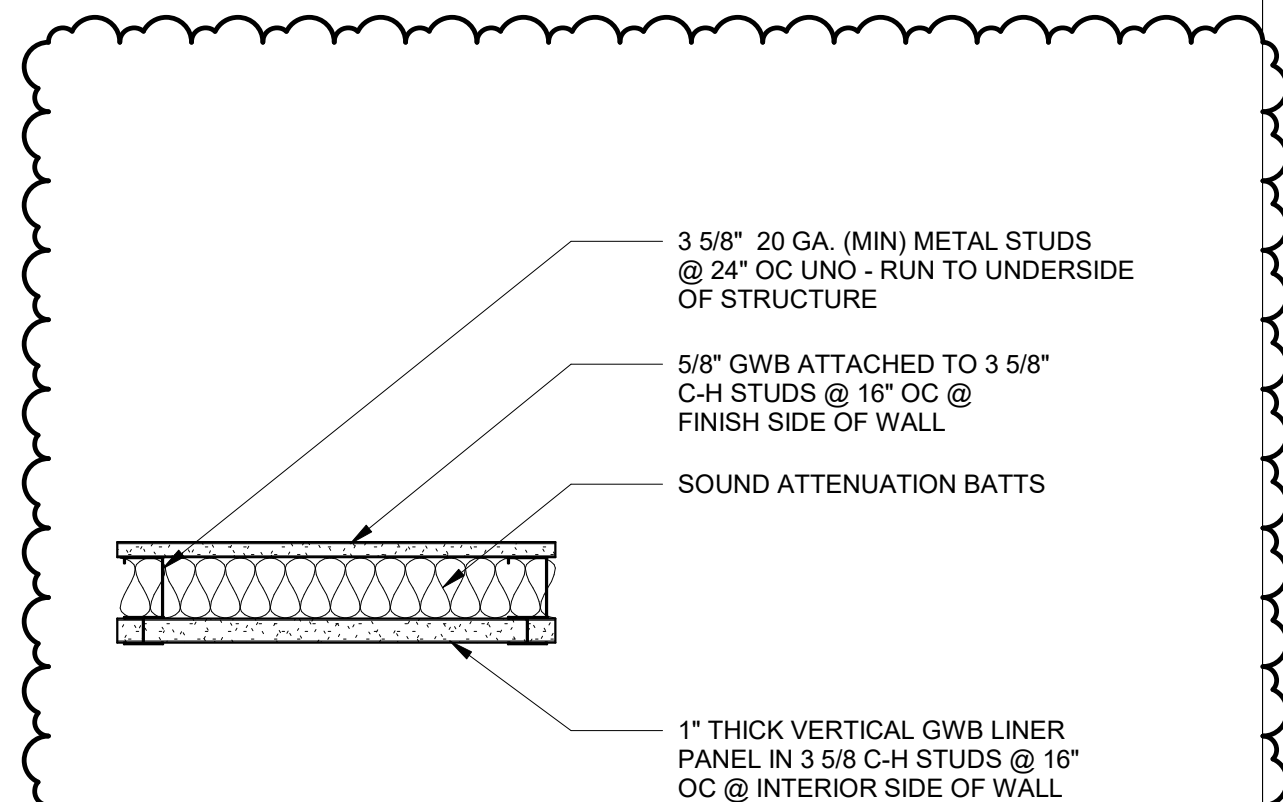


**WALL TYPE 4**  
PROVIDE 1 LAYER OF 5/8" GWB ON ONE SIDE OF 6" MTL STUDS @ 16" OC W/ 5 1/2" SOUND ATTENUATION BATTS. EXTEND STUDS TO UNDERSIDE OF STRUCTURE BUT STOP GWB AND SOUND BATTS 6" ABOVE CEILING.

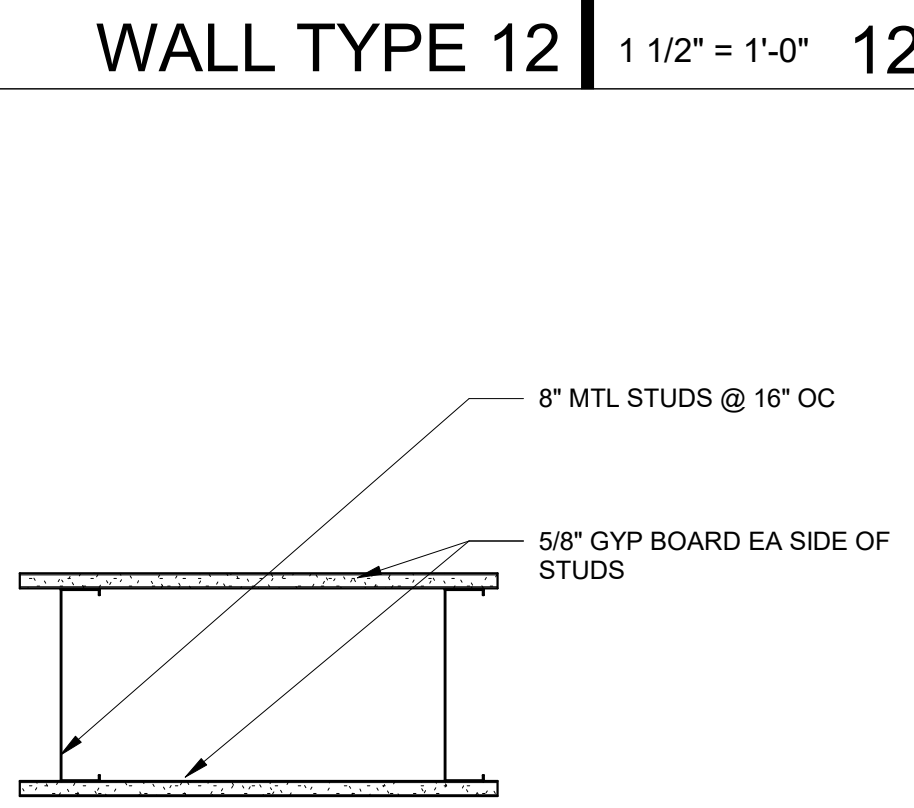
SEE OTHER DETAILS FOR BALANCE OF TYPICAL INFORMATION



**TYP BLOCK WALL-TO-DECK ELEV** | 1 1/2" = 1'-0" 19

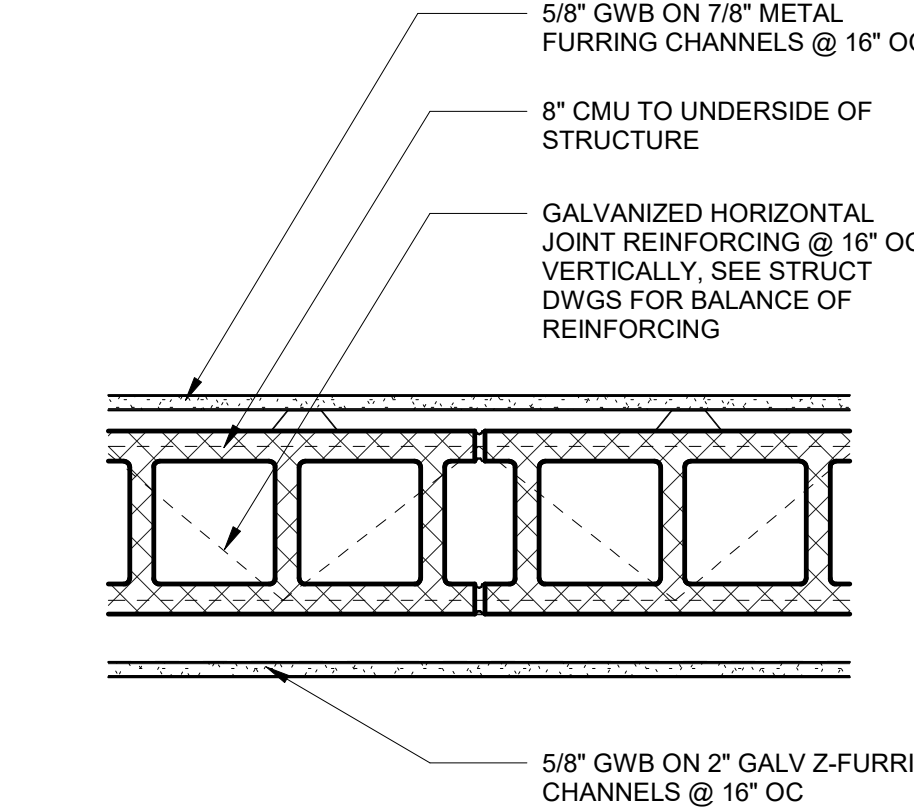


**WALL TYPE 15**  
1 HOUR RATED PER UL DESIGN #U469. EXTEND STUDS, GWB AND SOUND BATTS TO UNDERSIDE OF STRUCTURE.



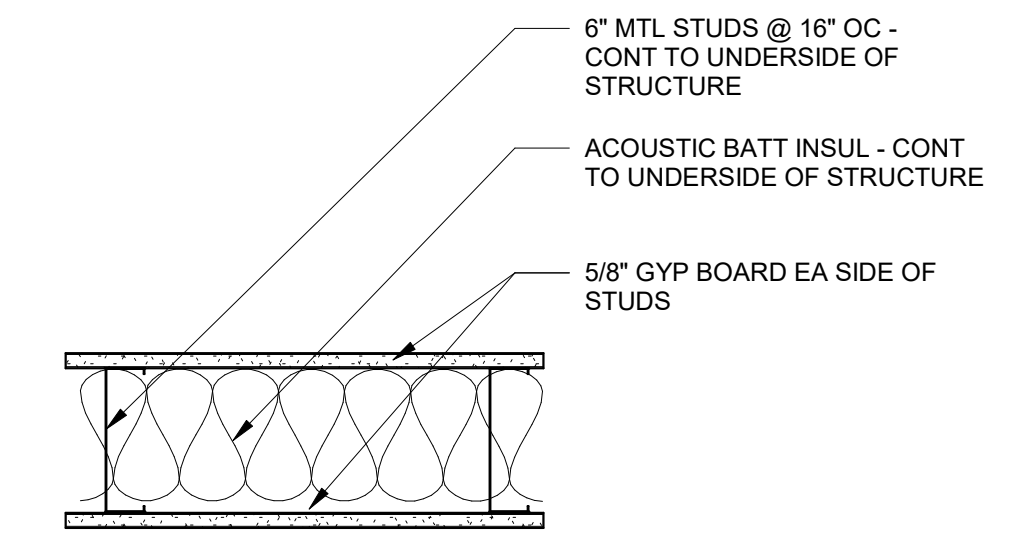
**WALL TYPE 11**  
PROVIDE 1 LAYER OF 5/8" GWB ON EACH SIDE OF 8" MTL STUDS @ 16" OC. EXTEND STUDS TO UNDERSIDE OF STRUCTURE BUT STOP GWB 6" ABOVE CEILING

SEE OTHER DETAILS FOR BALANCE OF TYPICAL INFORMATION



**WALL TYPE 7**  
8" CMU W/ 5/8" GWB ON 7/8" METAL FURRING CHANNELS @ 16" OC ON BOTH SIDES

SEE OTHER DETAILS FOR BALANCE OF TYPICAL INFORMATION



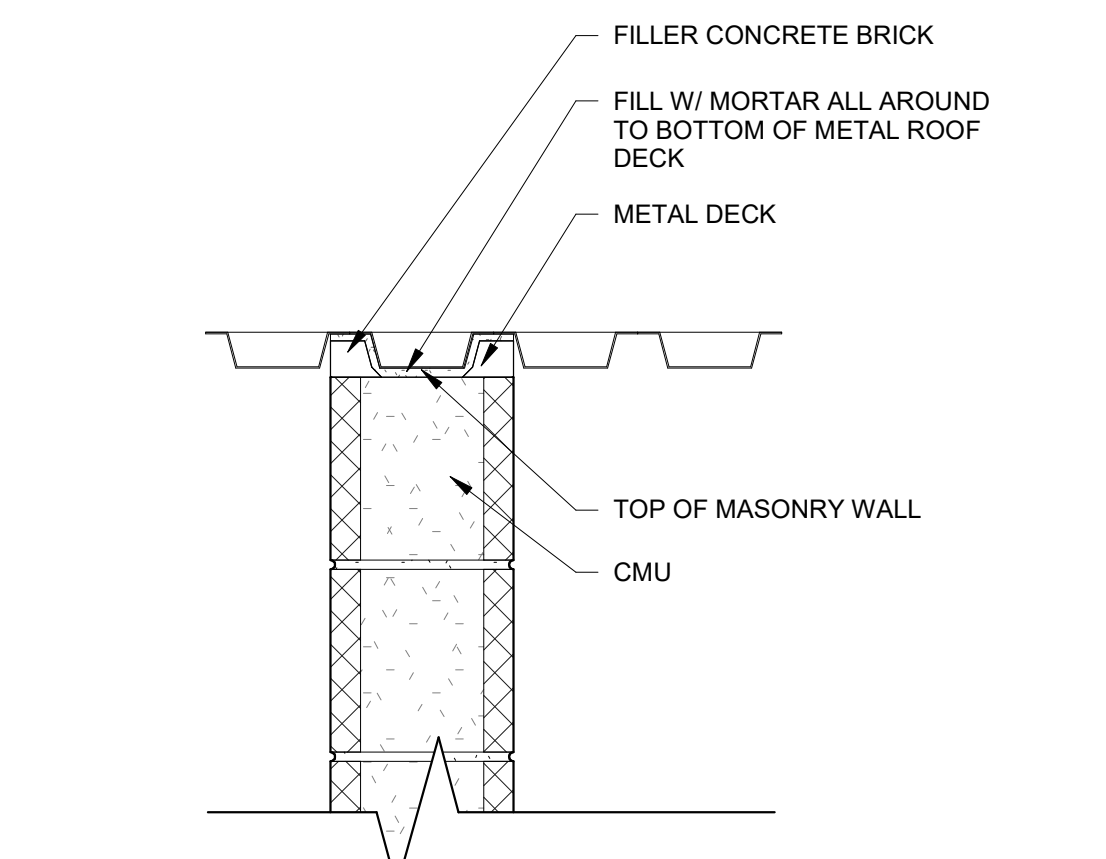
**WALL TYPE 3:** PROVIDE 1 LAYER OF 5/8" GWB ON EACH SIDE OF 6" MTL STUDS @ 16" OC W/ 5 1/2" SOUND ATTENUATION BATTS. EXTEND STUDS TO UNDERSIDE OF STRUCTURE BUT STOP GWB AND SOUND BATTS 6" ABOVE CEILING

**WALL TYPE 3A:** SAME AS TYPE 3 EXCEPT CONTINUE STUDS, GWB, AND SOUND BATTS TO UNDERSIDE OF STRUCTURE

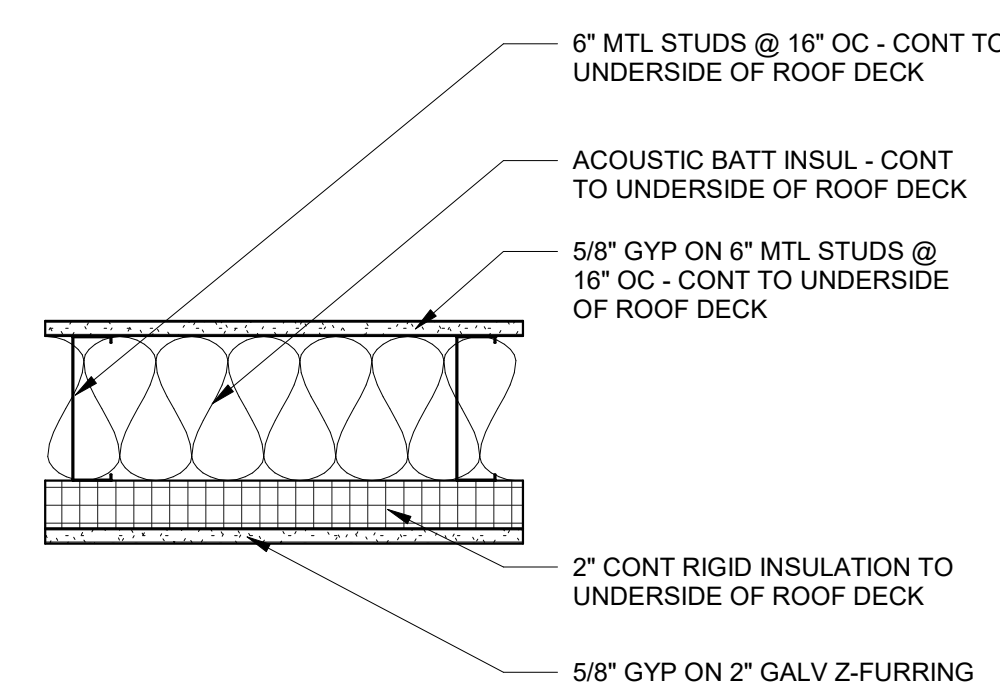
**WALL TYPE 3B:** SAME AS TYPE 3 EXCEPT NO SOUND BATTS & STOP GWB 6" ABOVE CEILING

**WALL TYPE 3C:** SAME AS TYPE 3A EXCEPT 1 HOUR RATED PER UL DESIGN #U469

SEE OTHER DETAILS FOR BALANCE OF TYPICAL INFORMATION

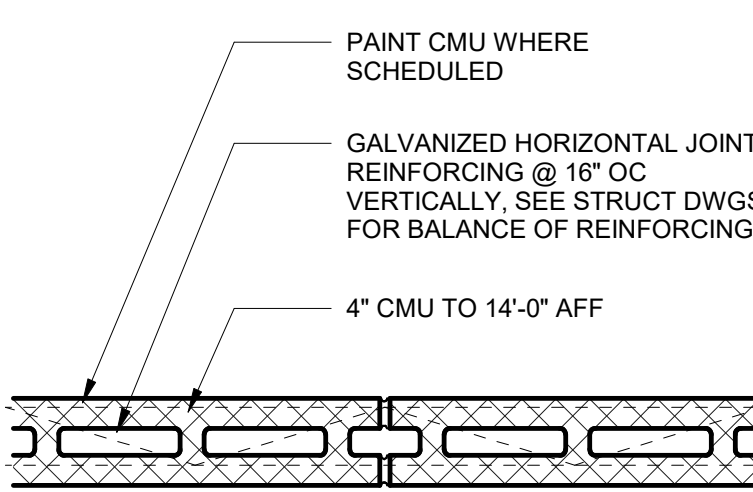


**TYP BLOCK WALL-TO-DECK SEC** | 1 1/2" = 1'-0" 18



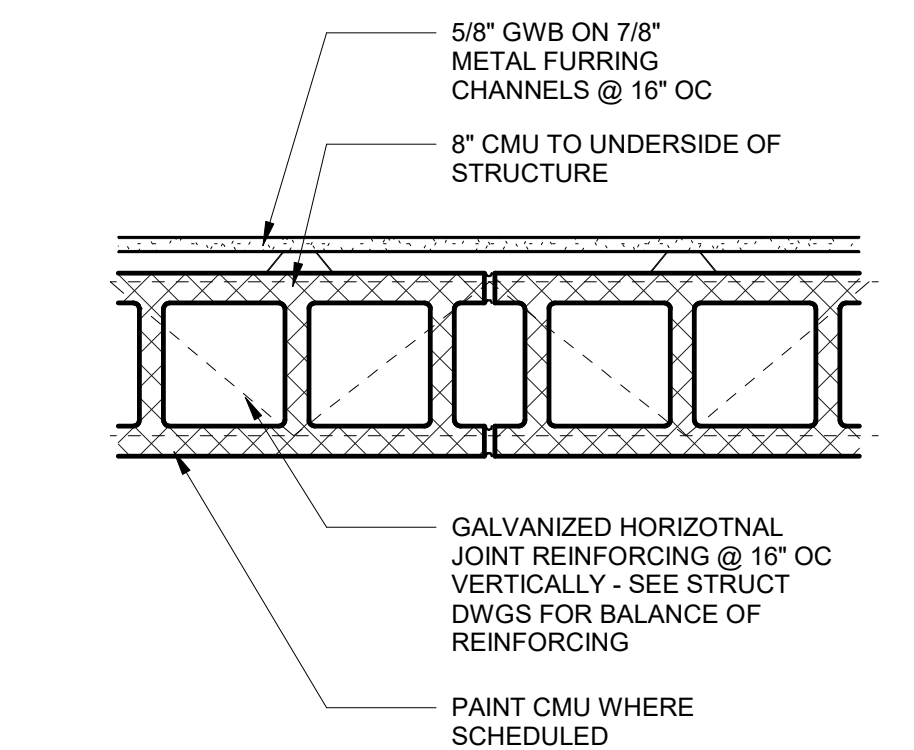
**WALL TYPE 14**  
5/8" GWB ON 2" GALV Z-FURRING CHANNELS @ 16" OC ON ONE SIDE ONLY ON 6" MTL STUDS @ 16" OC W/ 5 1/2" SOUND ATTENUATION BATTS. CONTINUE STUDS, GWB, AND SOUND BATTS TO UNDERSIDE OF STRUCTURE.

SEE OTHER DETAILS FOR BALANCE OF TYPICAL INFORMATION



**WALL TYPE 10**  
4" CMU TO 14"-0" AFF

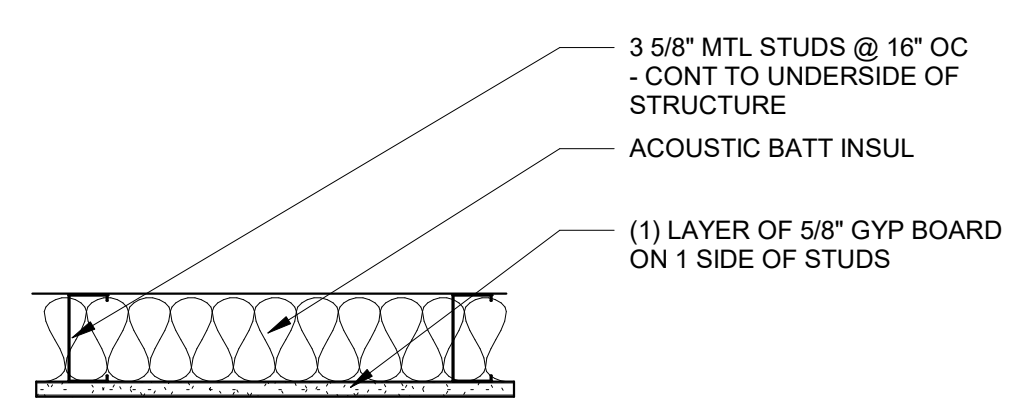
SEE OTHER DETAILS FOR BALANCE OF TYPICAL INFORMATION



**WALL TYPE 6**  
8" CMU W/ 5/8" GWB ON 7/8" FURRING CHANNELS @ 16" OC ON ONE SIDE ONLY

**WALL TYPE 6A**  
SAME AS WALL TYPE 6 - 1HR RATED UL DESIGN U905

SEE OTHER DETAILS FOR BALANCE OF TYPICAL INFORMATION

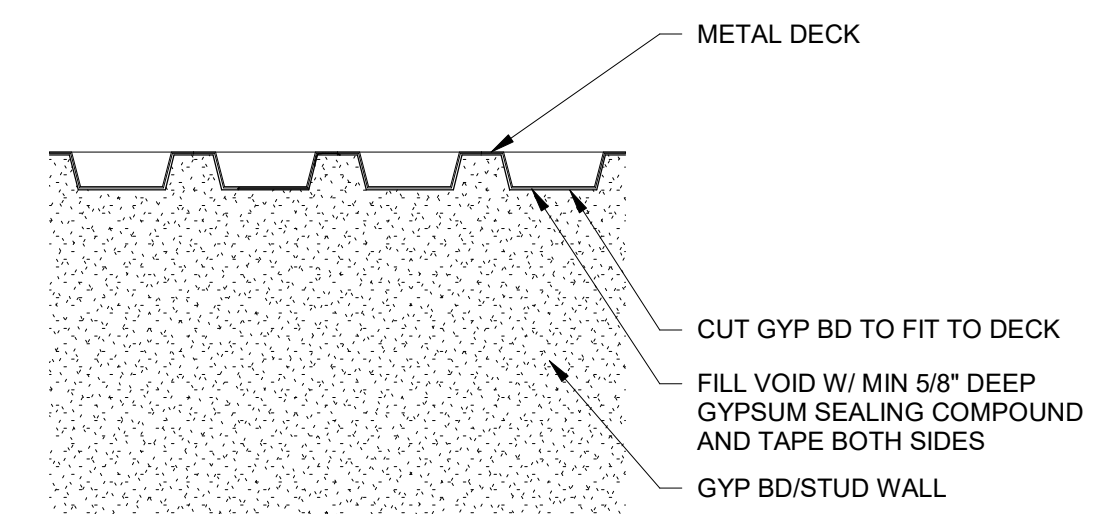


**WALL TYPE 2:** PROVIDE 1 LAYER OF 5/8" GWB ON ONE SIDE OF 3 5/8" MTL STUDS @ 16" OC W/ 3 1/2" SOUND ATTENUATION BATTS. EXTEND STUDS TO UNDERSIDE OF STRUCTURE BUT STOP GWB AND SOUND BATTS 6" ABOVE CEILING

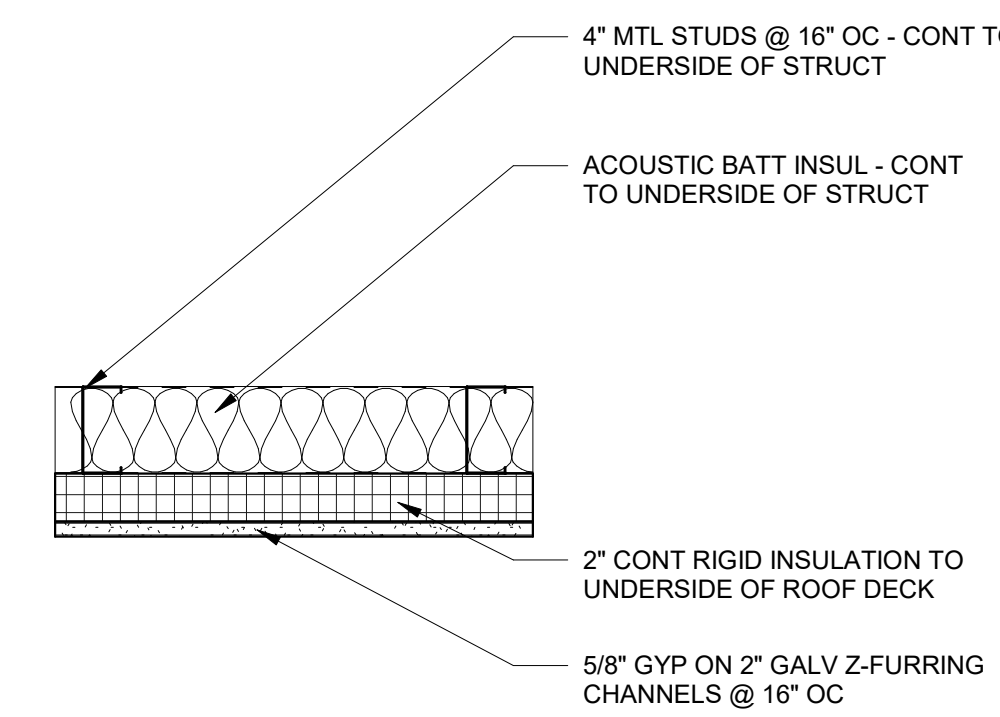
**WALL TYPE 2A:** SAME AS TYPE 2 EXCEPT CONTINUE STUDS, GWB, AND SOUND BATTS TO UNDERSIDE OF STRUCTURE

**WALL TYPE 2B:** SAME AS TYPE 2 EXCEPT NO SOUND BATTS & STOP GWB 6" ABOVE CEILING. UNO

SEE OTHER DETAILS FOR BALANCE OF TYPICAL INFORMATION

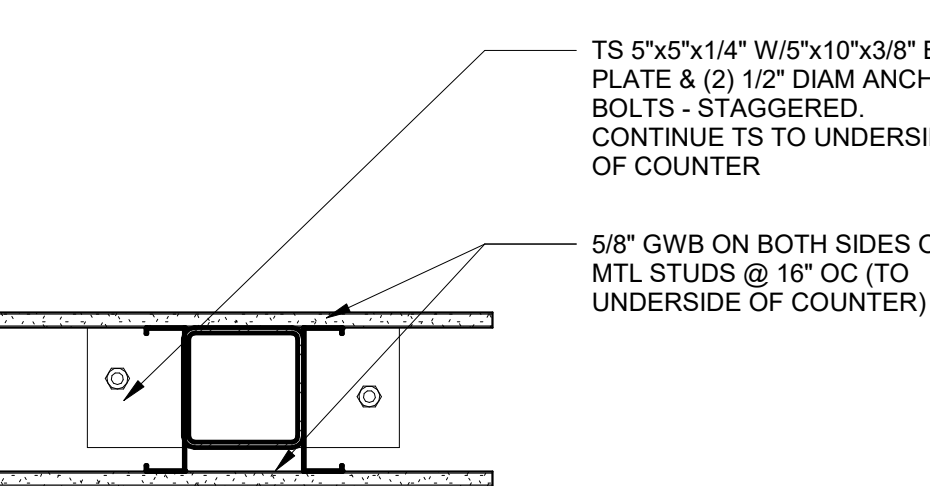


**TYP STUD WALL-TO-DECK SEC** | 1 1/2" = 1'-0" 17



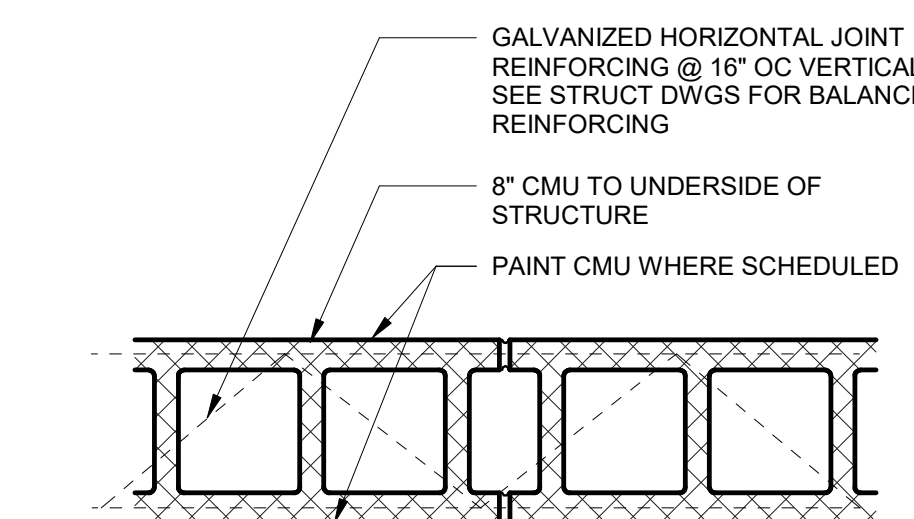
**WALL TYPE 13**  
5/8" GWB ON 2" GALV Z-FURRING CHANNELS @ 16" OC ON ONE SIDE ONLY ON 3 5/8" MTL STUDS @ 16" OC W/ 3 1/2" SOUND ATTENUATION BATTS. CONTINUE STUDS, GWB, AND SOUND BATTS TO UNDERSIDE OF STRUCTURE.

SEE OTHER DETAILS FOR BALANCE OF TYPICAL INFORMATION



**WALL TYPE 9:** EXTEND STUDS, GWB TO UNDERSIDE OF COUNTER. NO SOUND BATTS SEE 1A900 FOR LOCATION & SPACING OF STEEL TUBES

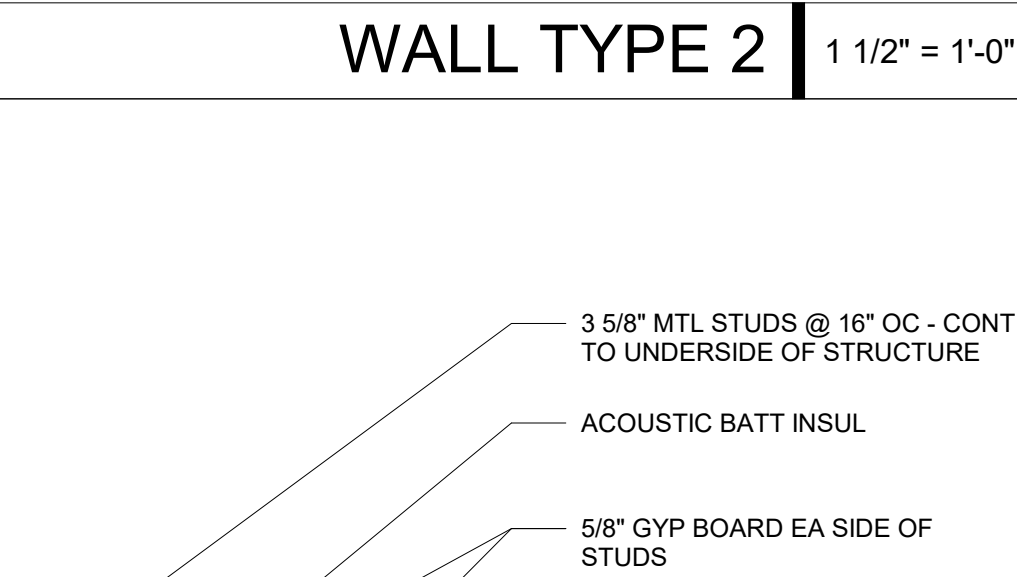
SEE OTHER DETAILS FOR BALANCE OF TYPICAL INFORMATION



**WALL TYPE 5**  
8" CMU TO UNDERSIDE OF STRUCTURE

**WALL TYPE 5A**  
SAME AS WALL TYPE 5 - 1 HR RATED UL DESIGN U905

SEE OTHER DETAILS FOR BALANCE OF TYPICAL INFORMATION



**WALL TYPE 1:** PROVIDE 1 LAYER OF 5/8" GWB ON EACH SIDE OF 3 5/8" MTL STUDS @ 16" OC W/ ACOUSTICAL BATT INSUL. EXTEND STUDS TO UNDERSIDE OF STRUCTURE BUT STOP GWB AND SOUND BATTS 6" ABOVE CEILING

**WALL TYPE 1A:** SAME AS TYPE 1 EXCEPT CONTINUE STUDS, GWB, AND SOUND BATTS TO UNDERSIDE OF STRUCTURE

**WALL TYPE 1B:** SAME AS TYPE 1 EXCEPT NO SOUND BATTS & STOP GWB 6" ABOVE CEILING. UNO

**WALL TYPE 1C:** SAME AS TYPE 1A EXCEPT 1 HOUR RATED PER UL DESIGN #U469

SEE OTHER DETAILS FOR BALANCE OF TYPICAL INFORMATION

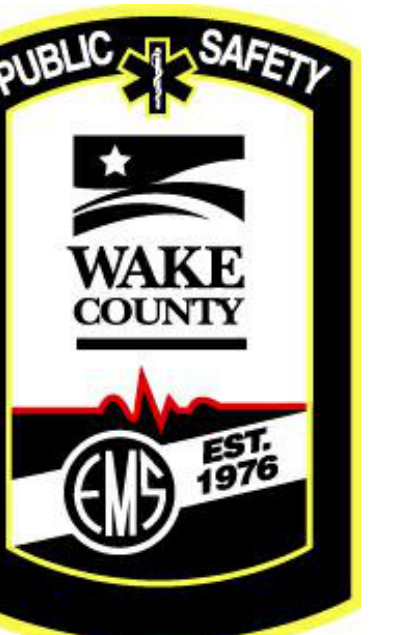
**TYP STUD WALL-TO-DECK SEC** | 1 1/2" = 1'-0" 16

**WALL TYPE 13** | 1 1/2" = 1'-0" 13

**WALL TYPE 9** | 1 1/2" = 1'-0" 9

**WALL TYPE 5** | 1 1/2" = 1'-0" 5

**WALL TYPE 1** | 1 1/2" = 1'-0" 1



**CARY MAIN  
EMS STATION**

819 Kildaire Farm Road  
Cary, NC

Development Plan  
#23-DP-4187

RFB#24-086

**WALL TYPES**

DATE: 10-07-24  
PROJECT NO: 21046

REVISIONS  
NO: 1 DATE: 10-11-24 DESCRIPTION: Addendum #1 - Permit Comments

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SHEET NUMBER

**A004**





**CARY MAIN  
EMS STATION**

819 Kildaire Farm Road  
Cary, NC

Development Plan  
#23-DP-4187

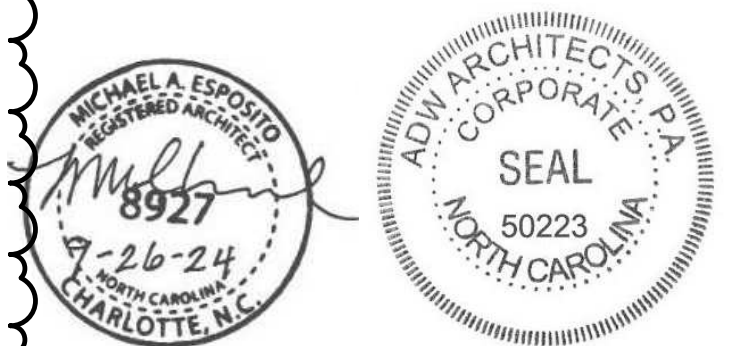
RFB#24-086

**UL DETAILS**

DATE: 10-07-24  
PROJECT NO: 21046

REVISIONS  
NO: 1 DATE: 10-11-24 DESCRIPTION: Addendum #1 - Permit Comments

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SHEET NUMBER

**A005**

**Assembly Rating — 1 HR  
Nonbearing Wall**

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

**1. Floor and Ceiling Runners** — "J" - shaped, 2-1/2 in. wide with unequal legs of 1 in. and 2 in., fabricated from 24 MSG galv steel (min 20 MSG steel required when Item 4A, 4B, or 4C is used). Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC.

**2. Steel Studs** — "C" shaped studs, 2-1/2 in. wide by 1-1/2 in. deep, fabricated from min 25 MSG galv steel (min 20 MSG steel required when Item 4A, 4B, or 4C is used), spaced 24 in. or 600 mm OC (max 16 in. OC when Item 4A, 4B, or 4C is used). Vertically restrained walls require studs to be cut 3/8 in. less than floor to ceiling height.

**3. Gypsum Board\*** — 1 in. thick gypsum wallboard liner panels, supplied in nominal 24 in. or 600 mm widths. Vertical edges inserted in "H" shaped section of "C" shaped studs. Free edge of end panels attached to long leg of "J" runners with 1-5/8 in. long Type 5 head steel screws spaced not greater than 12 in. OC.

**CERTANTEED GYPSUM INC** — Types Shaftliner, EGRG Shaftliner or GlasRoc Shaftliner

**CGC INC** — Type SLX

**CERTANTEED GYPSUM INC** — Type LGFCSL

**GEORGIA-PACIFIC GYPSUM L L C** — Types TP-6, DGUSL, and TRSL

**UNITED STATES GYPSUM CO** — Type SLX

**USG BORAL DRYWALL SFZ LLC** — Type SLX

**USG MEXICO S A DE C V** — Type SLX

**4. Gypsum Board\*** — 5/8 in. thick, 4 ft or 1200 mm wide, applied vertically and attached to studs with 1 in. long Type 5 steel screws spaced 12 in. OC along the edges and in the field of the boards.

**AMERICAN GYPSUM CO** — Types AGX-1, M-Glass, AG-C, LightRoc

**CABOT MANUFACTURING ULC** — 5/8 Type X, Type BlueGlass Exterior Sheathing

**CERTANTEED GYPSUM INC** — Type C, Type X-1.

**CGC INC** — Types C, IP-X1, IP-X2, IPC-AR, SCX, ULUX, ULX, or WRC.

**CERTANTEED GYPSUM INC** — Types LGFC-C, LGFC-CA, LGFC6A

**GEORGIA-PACIFIC GYPSUM L L C** — Types S, DAPC, Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Soffit - Type X, Type TG-C, Type LWX, Veneer Plaster Base-Type LWX, Water Rated-Type LWX, Sheathing-Type LWX, Soffit-Type LWX, Type DGLW, Water Rated-Type DGLW, Sheathing-Type DGLW, Soffit-Type DGLW, Type LW2X, Veneer Plaster Base - Type LW2X, Water Rated - Type LW2X, Sheathing - Type LW2X, Soffit - Type LW2X, Type DGL2W, Water Rated - Type DGL2W, Sheathing - Type DGL2W, Type DGG, Type DAP, Type DS.

**PARCO BUILDING PRODUCTS L L C, DBA PARCO GYPSUM** — Types C, PG-11, PG-C, PGS-WRS, PGI

**SANIT-GOBAIN GYPROC MIDDLE EAST FZE** — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIV/Air, Gyproc FireStop MR ACTIV/Air, Gyproc FireStop M2TECH ACTIV/Air, Gyproc Duraline, Gyproc Duraline MR, Gyproc Duraline M2TECH, Gyproc Duraline ACTIV/Air, Gyproc Duraline MR ACTIV/Air, Gyproc Duraline M2TECH ACTIV/Air

**THAI GYPSUM PRODUCTS PCL** — Type C.

**UNITED STATES GYPSUM CO** — Types C, FRX-G, IP-X1, IP-X2, IPC-AR, SCX, ULUX, ULX or WRC.

**USG BORAL DRYWALL SFZ LLC** — Types C, SCX

**USG MEXICO S A DE C V** — Types C, IP-X1, IP-X2, IPC-AR, SCX, ULUX, or WRC.

**4A. Gypsum Board\*** — Not Shown - As an Alternate to Item 4. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips (Item 6) required behind vertical joints

**RAY-BAR ENGINEERING CORP** — Type RB-LBG

**4B. Gypsum Board\*** — Not Shown - As an Alternate to Item 4. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints. To be used with Lead Batten Strips (see Item 6B) or Lead Discs (see Item 6C).

**MAYCO INDUSTRIES INC** — Type X-Ray Shielded gypsum

**4C. Gypsum Board\*** — (Not Shown - As an Alternate to Item 4). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in., placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.5% meeting the Federal Specification QQ-L-201F, Grade "C".

**RADIATION PROTECTION PRODUCTS INC** — Type RPP - Lead Lined Drywall

**5. Batts and Blankets\*** — (Optional) — Mineral wool batts partially or completely filling stud cavity.

**ROCKWOOL** — Type AFB, min. density 1.8 pcf / 28.8 kg/m<sup>3</sup>

**THERMAFIBER INC** — Type SAFB, SAFB FF

**5A. Fiber, Sprayed\*** — As an alternate to Batts and Blankets (Item 5) — (100% Borate Formulation) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. To facilitate the installation of the material, any thin, woven or non-woven netting may be attached by any means possible to the outer face of the studs. The material shall reach equilibrium moisture content before the installation of materials on either face of the studs. The minimum dry density shall be 4.30 lbs/ft<sup>3</sup>.

**APPLEGATE HOLDINGS L L C** — Applegate Advanced Stabilized Cellulose Insulation

**5B. Fiber, Sprayed\*** — As an alternate to Batts and Blankets (Item 5) - Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.

**NU-WOOL CO INC** — Cellulose Insulation

**5C. Fiber, Sprayed\*** — As an alternate to Batts and Blankets (Item 5) - Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft<sup>3</sup>.

**INTERNATIONAL CELLULOSE CORP** — Cellar-RL

**5D. Deleted.**

**5E. Fiber, Sprayed\*** — As an alternate to Batts and Blankets (Item 5) - Spray-applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. To facilitate the installation of the material, any thin, woven or non-woven netting may be attached by any means possible to the outer face of the studs. The material shall reach equilibrium moisture content before the installation of materials on either face of the studs. The minimum dry density shall be 5.79 lbs/ft<sup>3</sup>.

**6. Lead Batten Strips** — For Use with Item 4A - (Not Shown) — Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 4A) and optional at remaining stud locations. Strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201F, Grade "C".

**6A. Lead Discs or Tabs** — (Not Shown) - Used in lieu of or in addition to the lead batten strips (Item 6) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.5% meeting the Federal specification QQ-L-201F, Grade "C".

**6B. Lead Batten Strips** — (Not Shown, for use with Item 4B) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201F, Grades "B, C or D".

**6C. Lead Discs** — (Not Shown, for use with Item 4B) Max 5/16 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal Specification QQ-L-201F, Grades "B, C or D".

Design No. U905

June 6, 2022

**Bearing Wall Rating — 2 HR  
Nonbearing Wall Rating — 2 HR**

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

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

**1. Concrete Blocks\*** — Various designs. Classification D-2 (2 hr). See **Concrete Blocks** category for list of eligible manufacturers.

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

**3. Portland Cement Stucco or Gypsum Plaster** — Add 1/2 hr to classification if used. Where combustible members are framed in wall, plaster or stucco must be applied on the face opposite framing to achieve a max. Classification of 1-1/2 hr. Attached to concrete blocks (Item 1).

**4. Loose Masonry Fill** — If all core spaces are filled with loose dry expanded slag, expanded clay or shale (Rotary Kiln Process), water repellent vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation add 2 hr to classification.

**5. Foamed Plastic\*** — (Optional-Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).

**ATLAS ROOFING CORP** — "EnergyShield Pro Wall Insulation", "EnergyShield Pro 2 Wall Insulation", EnergyShield CGF Pro and EnergyShield Ply Pro

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

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

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

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

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

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

**HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC** — "Xci NB", "Xci Ply"

**RMAX, A BUSINESS UNIT OF SIKA CORPORATION** — "Thermasheath-SI", "ECOBASECI", "ThermaBase-CI", "ECOMAX® FR Ply", "ECOMAX® Ply",

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Last Updated on 2022-06-06

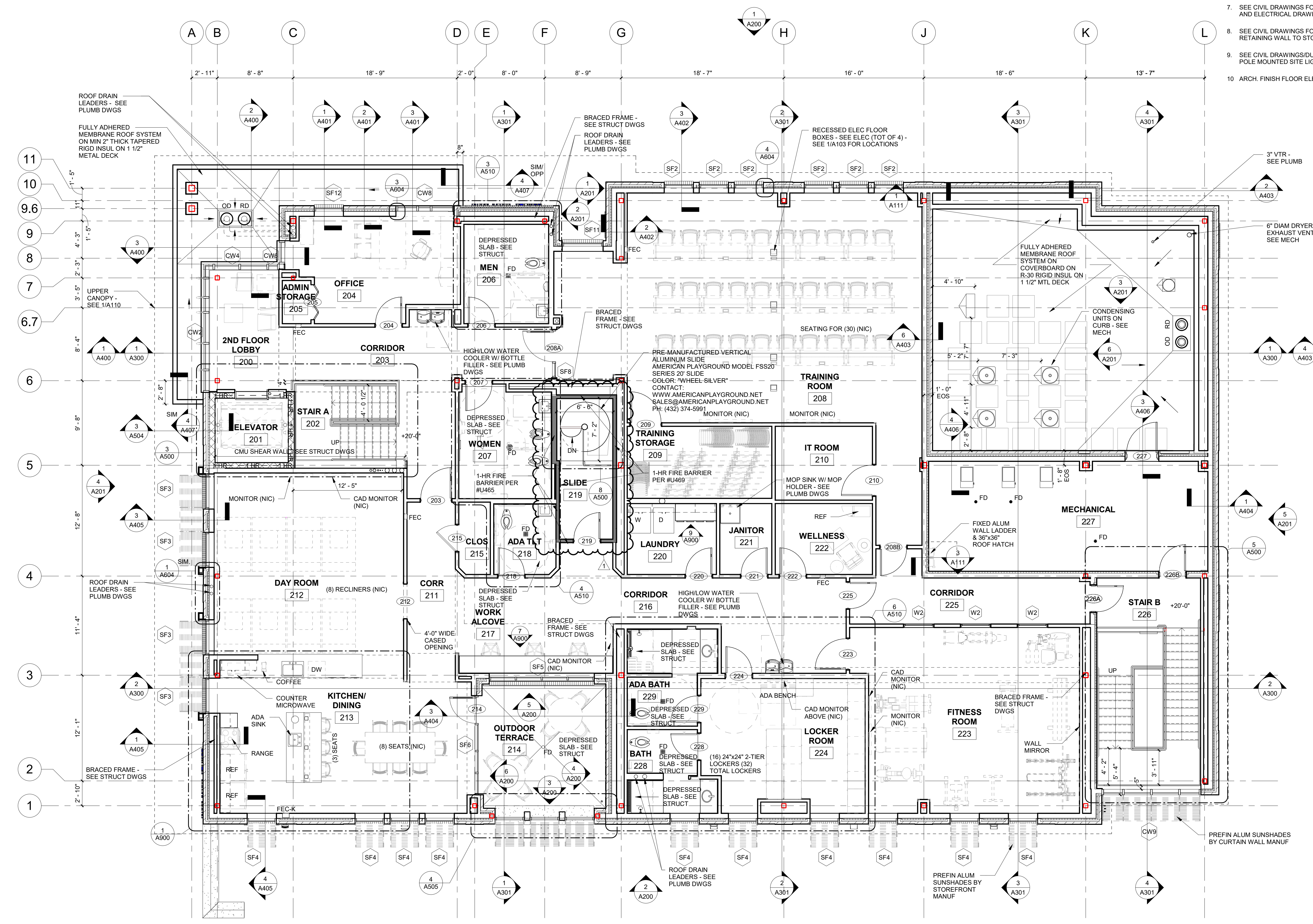
**1-HR FIRE BARRIER UL# U905** NTS **2**

**1-HOUR FIRE BARRIER UL #469** NTS **1**



GENERAL SHEET NOTES

1. ALL ARCHITECTURAL COMPONENTS ARE TO BE ATTACHED AS REQUIRED BY ASCE 7-05 CHAPTER 13 SEISMIC DESIGN FOR NONSTRUCTURAL COMPONENTS. EACH INDIVIDUAL CONTRACTOR RESPONSIBLE FOR THE COMPONENT MUST PROVIDE PROJECT SPECIFIC DESIGN AND DOCUMENTATION PREPARED BY A LICENSED ENGINEER. CHAPTER 13 DEFINES THE FORCE REQUIRED TO SUPPORT THE COMPONENT FOR THE ANCHORAGE AND BRACING. THE COST OF PREPARING THIS INFORMATION AND DESIGN SHALL BE INCLUDED IN EACH CONTRACTOR'S BID PROVIDING THE COMPONENT.
2. FIELD VERIFY ALL CONDITIONS. GENERAL CONTRACTOR MUST NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO START OF WORK AFFECTED BY SUCH DISCREPANCY.
3. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, OBTAIN CLARIFICATION FROM ARCHITECT.
4. PROVIDE BLOCKING WITHIN STUD WALLS AS REQUIRED FOR SUPPORT OF CABINETS, SHELVING, WALL STOPS, COUNTERTOPS, MARKERBOARDS, TACKBOARDS, AV EQUIPMENT AND SIMILAR.
5. PLACE CONTROL JOINTS IN SIDEWALK AND PAVING PER MINIMUM REQUIREMENTS STATED IN CIVIL DOCUMENTS. GENERAL LAYOUT TO BE COORDINATED BY G.C.
6. ALL INTERIOR DIMENSIONS ARE TO FACE OF STUD OR FACE OF CMU U.N.O.
7. SEE CIVIL DRAWINGS FOR LOCATION OF EVCS (ELECTRIC VEHICLE CHARGING STATION) AND ELECTRICAL DRAWINGS FOR CONNECTION
8. SEE CIVIL DRAWINGS FOR CONNECTION OF FOOTING DRAIN ALONG CONCRETE SITE RETAINING WALL TO STORM SYSTEM
9. SEE CIVIL DRAWINGS/DUKE POWER SITE LIGHTING DRAWINGS FOR LOCATION OF ALL POLE MOUNTED SITE LIGHTS
10. ARCH. FINISH FLOOR ELEV. +0'-0" = CIVIL ELEV. 503.00'



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**CARY MAIN  
EMS STATION**

819 Kildaire Farm Road  
Cary, NC

Development Plan  
#23-DP-4187

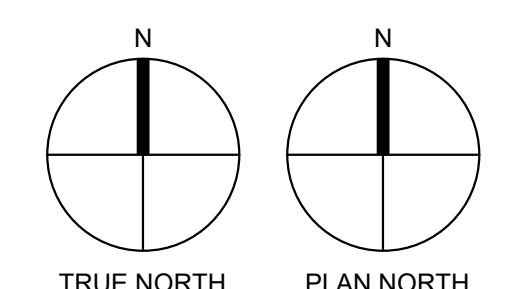
RFB#24-086

SECOND FLOOR PLAN

DATE: 10-07-24  
PROJECT NO: 21046

REVISIONS		
NO.	DATE	DESCRIPTION
1	10-11-24	Addendum #1 - Permit Comments

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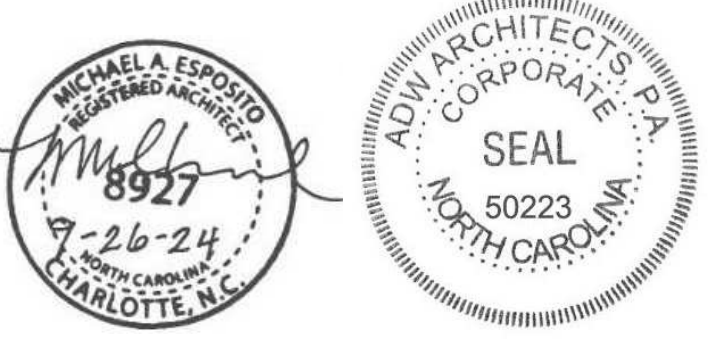
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SECOND FLOOR  
DIMENSIONS PLAN

DATE: 10-07-24  
PROJECT NO: 21046

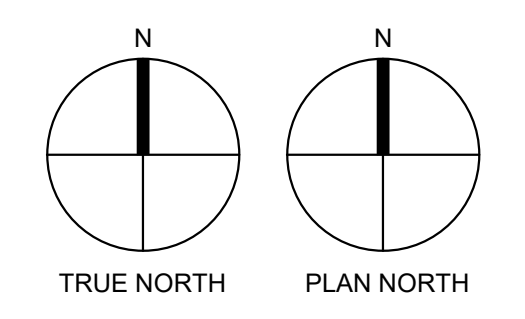
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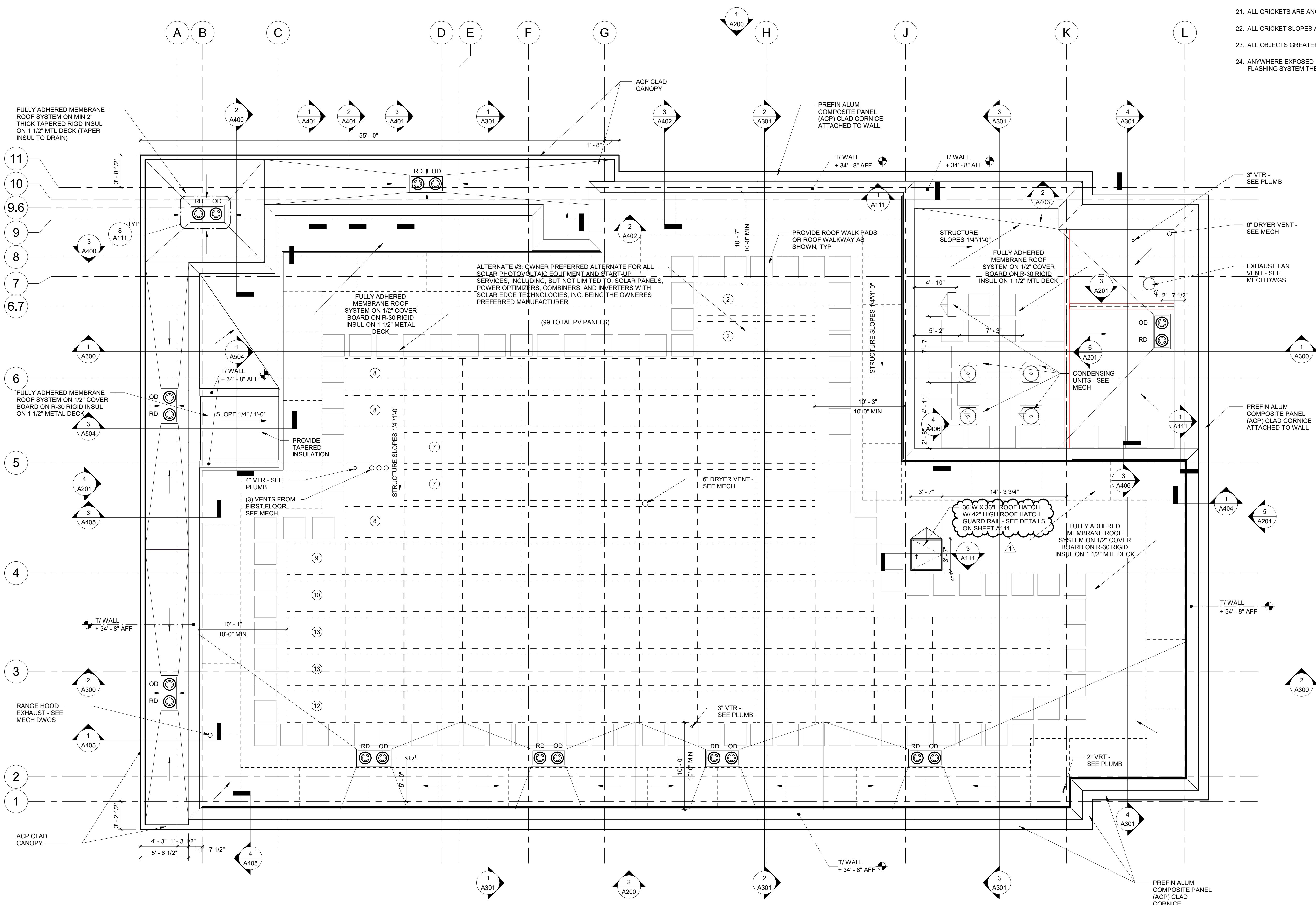
SHEET NUMBER

**A103**



**ROOF GENERAL NOTES**

1. ALL DIMENSIONS TO BE FIELD VERIFIED. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, OBTAIN CLARIFICATION FROM ARCHITECT.
2. COORDINATE EXHAUST FAN AND MECHANICAL UNIT LOCATIONS WITH MECHANICAL AND ELECTRICAL CONTRACTORS.
3. SEE PLUMBING DRAWINGS FOR LOCATIONS OF ALL PLUMBING VENTS AND GAS PIPING (COORDINATE WITH ALL TRADES)
4. COORDINATE ALL PENETRATIONS THROUGH ROOF W/ STRUCTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL. PROVIDE ALL FLASHING AT PENETRATIONS PER SMACNA DETAILS UNLESS OTHERWISE NOTED.
5. ROOF CURBS FOR ALL MECHANICAL UNITS AND EQUIPMENT TO BE FURNISHED BY M.C. AND INSTALLED AND FLASHED BY G.C. UNLESS OTHERWISE NOTED.
6. G.C. TO COORDINATE, LOCATE, AND INSTALL DRAINS AND CURBS. ROOFING CONTRACTOR SHALL FLASH AND SEAL ALL DRAINS, ROOF PENETRATIONS, ROOF EDGES, AND TERMINATIONS AS PART OF THIS CONTRACT, INCLUSIVE OF WARRANTY AS LISTED IN THE PROJECT MANUAL.
7. ROOF PLAN AND DETAILS ARE FOR GENERAL DESIGN INTENT. G.C. TO SUBMIT COMPLETE SHOP DRAWINGS SHOWING ALL CONSTRUCTION DETAILS AND LAYOUTS FOR A COMPLETE JOB ADHERING TO MANUFACTURERS' WARRANTIES.
8. PROVIDE ALL TAPERS AND CRICKETS FOR PROPER DRAINAGE.
9. SLOPE ALL ROOF AREAS AT A MIN. OF 1/4" PER FOOT UNLESS OTHERWISE NOTED.
10. ALL CONCEALED WOOD BLOCKING SHALL BE P.T. SECURE TO DECKING AND SUBSTRATE WITH ANCHOR BOLTS.
11. UNLESS OTHERWISE NOTED, PRIME & PAINT ALL EXPOSED STEEL MEMBERS W/ EXTERIOR GRADE HIGH PERFORMANCE COATINGS. SEE SPECIFICATIONS.
12. UTILIZE METAL WALL FLASHING AND COUNTER FLASHING ON BACKSIDE OF ALL PARAPETS WITH A HEIGHT OF 2'-0" OR GREATER.
13. ALL SHEET METAL APPLICATIONS SHALL BE INSTALLED PER NRCA'S "THE ROOFING MANUAL" AND SMACNA'S "ARCHITECTURAL SHEET METAL MANUAL" SEVENTH EDITION APPROVED DETAILING, INCLUDING (BUT NOT LIMITED TO) COPING, STEP FLASHING, METAL WALL FLASHING, ROOF PENETRATION FLASHING, STANDING SEAM METAL ROOFS, GUTTERS, SCUPPERS, GUTTER STOPS, CONDUCTOR HEADS, AND MISC. JOINTS BETWEEN SHEET METAL MEMBERS.
14. ALL RIGID INSULATION USED IN ROOF ASSEMBLIES SHALL MEET THE REQUIREMENTS OF UL 1256 AND FMG 4450.
15. ROOF ACCESS LADDERS SHALL MEET OSHA AND BUILDING CODE REQUIREMENTS.
16. METAL GAUGES SHALL COMPLY WITH ANSISPR E-1 REQUIREMENTS FOR SHOP FORMED METAL COPINGS.
17. ALL MECHANICAL EQUIPMENT, EXHAUST FANS, AND SKYLIGHTS SHALL BE ON ROOF CURBS. ALL ROOF CURBS SHALL BE INSULATED AND THE VOID BENEATH ITEMS WITHIN THE CURB SPACE SHALL BE FILLED WITH INSULATION.
21. ALL CRICKETS ARE ANGLED 30 DEGREES MIN, UNLESS NOTED OTHERWISE.
22. ALL CRICKET SLOPES ARE 1/4" PER 1'-0" UNLESS NOTED OTHERWISE.
23. ALL OBJECTS GREATER THAN 24" IN WIDTH ACROSS SLOPE SHALL HAVE CRICKETS TO DIVERT WATER AROUND THEM.
24. ANYWHERE EXPOSED FASTENERS ARE USED IN THE ROOFING SYSTEM, COPING SYSTEM, EXPANSION JOINT SYSTEM, OR FLASHING SYSTEM THEY SHALL UTILIZE SEALING WASHERS.



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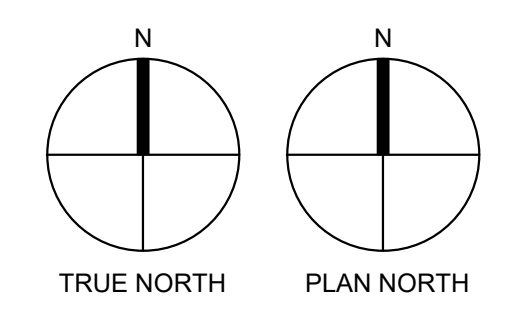
**ROOF PLAN**

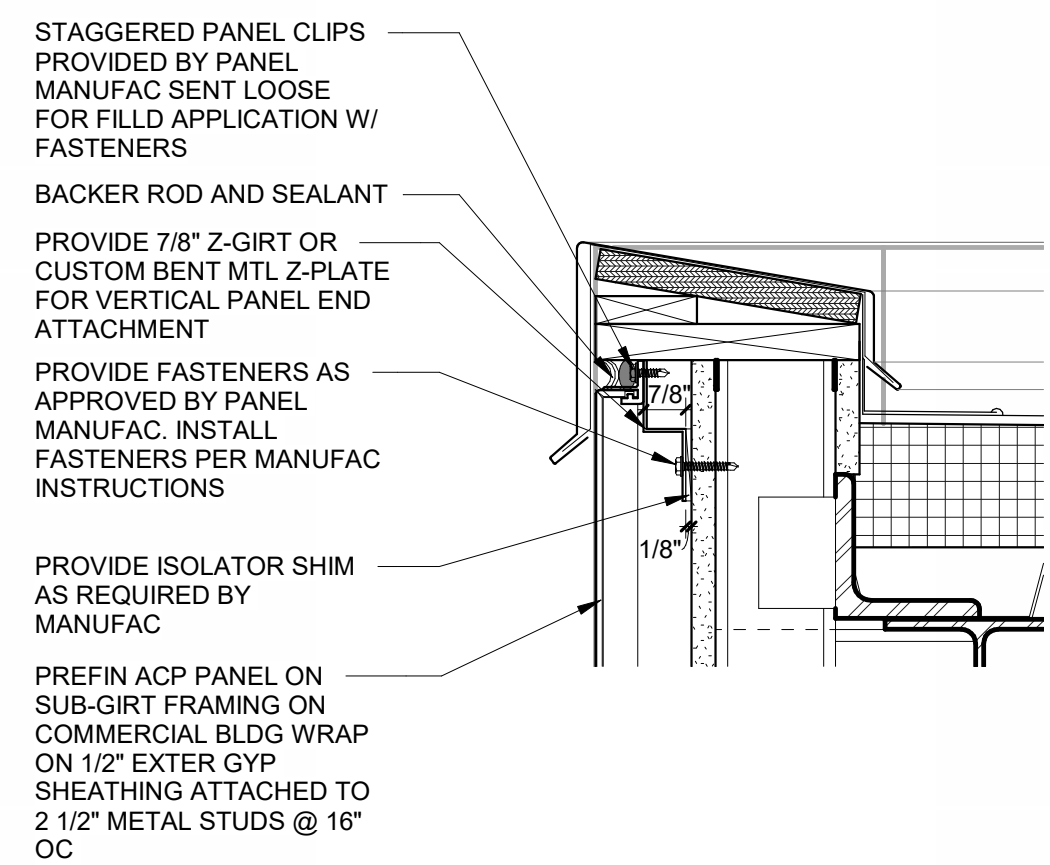
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REVISIONS

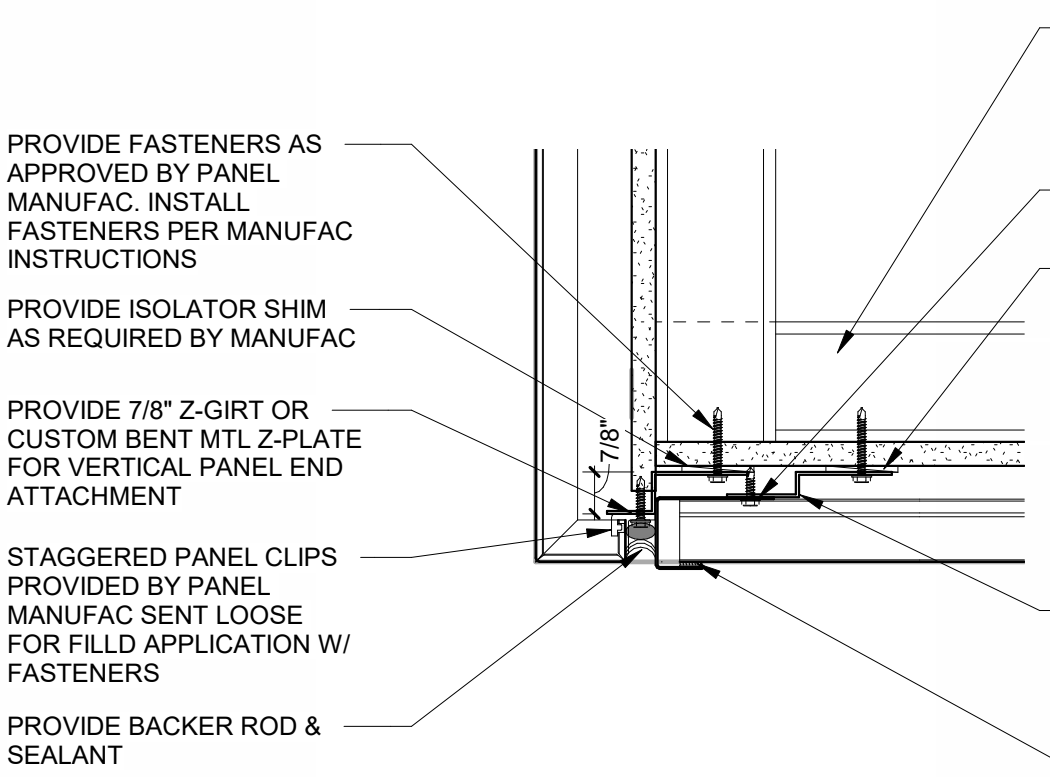
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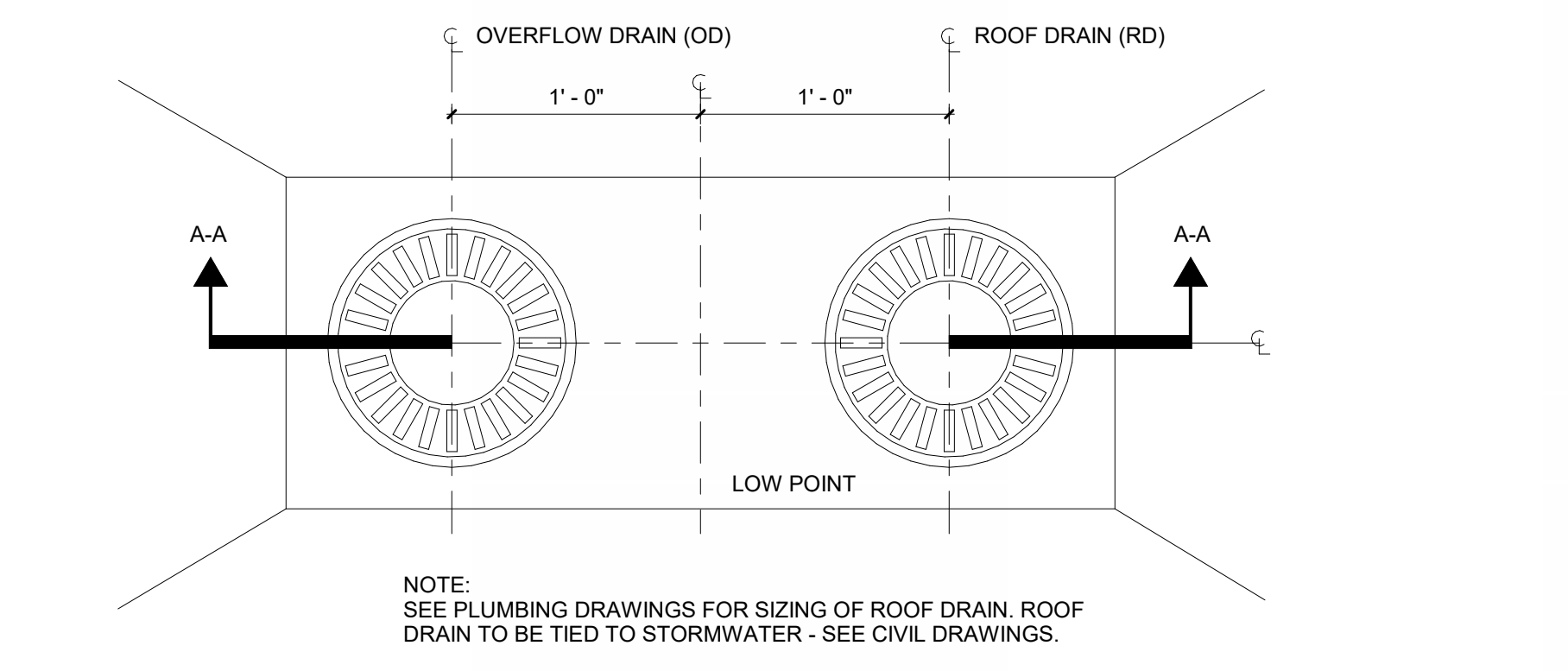
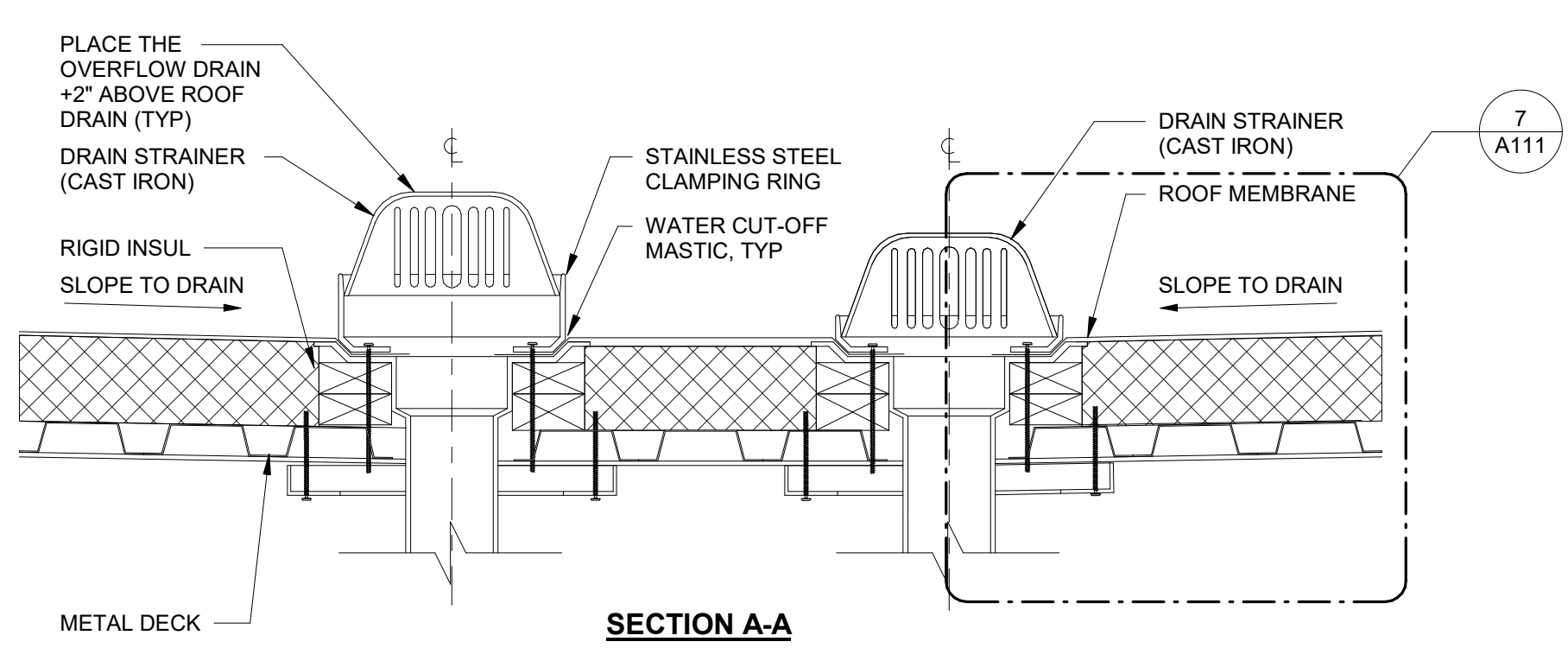




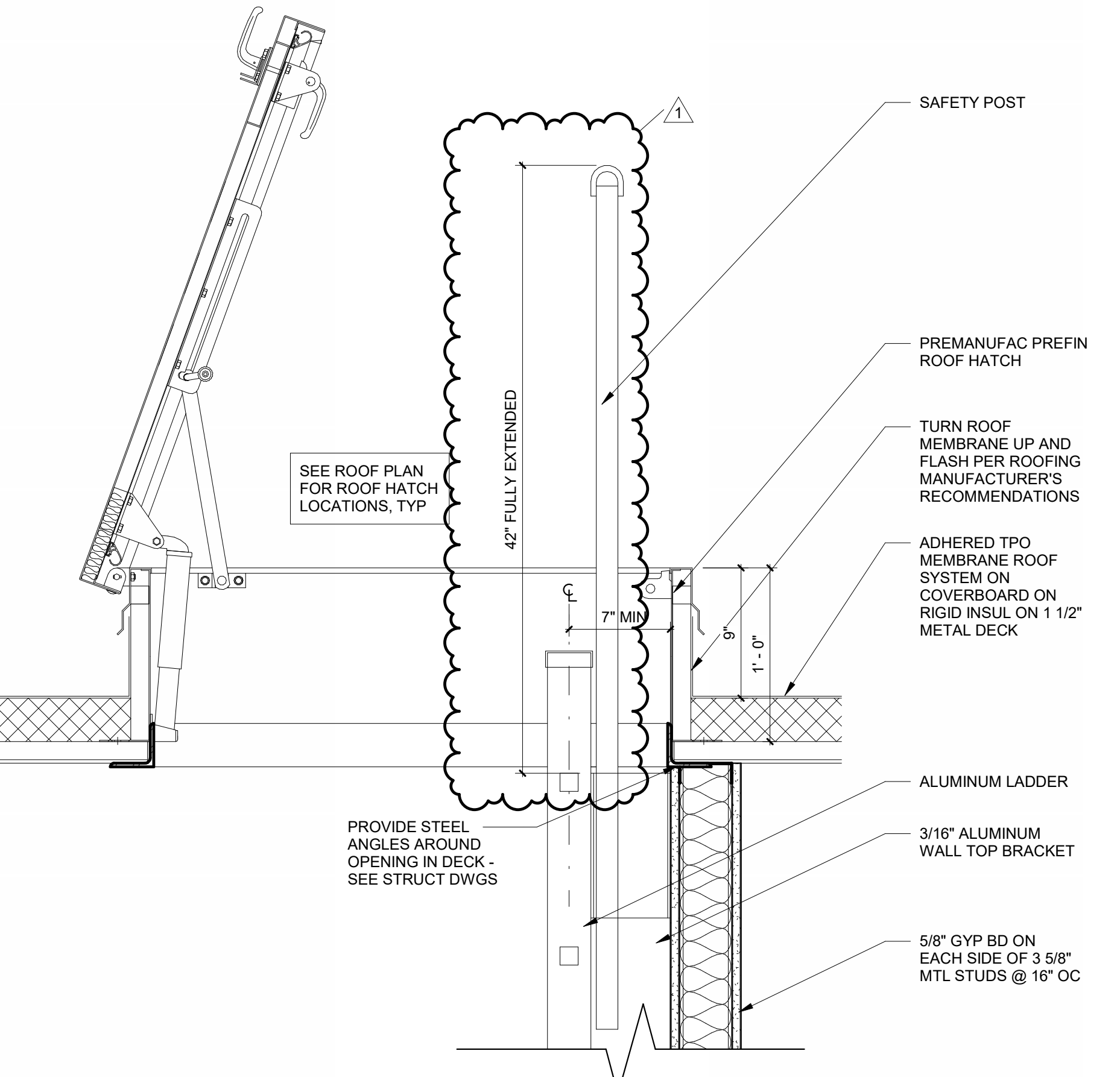
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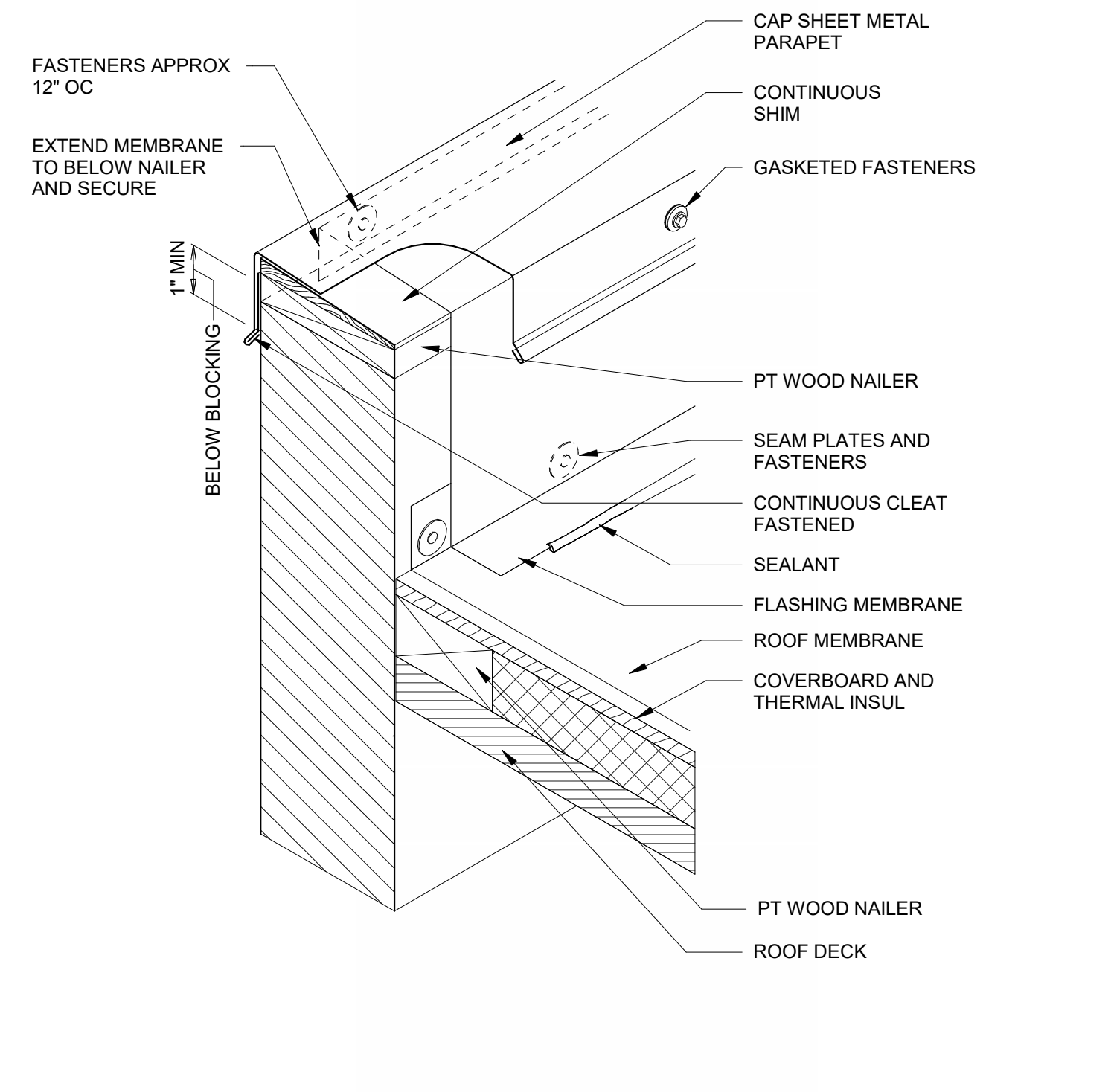
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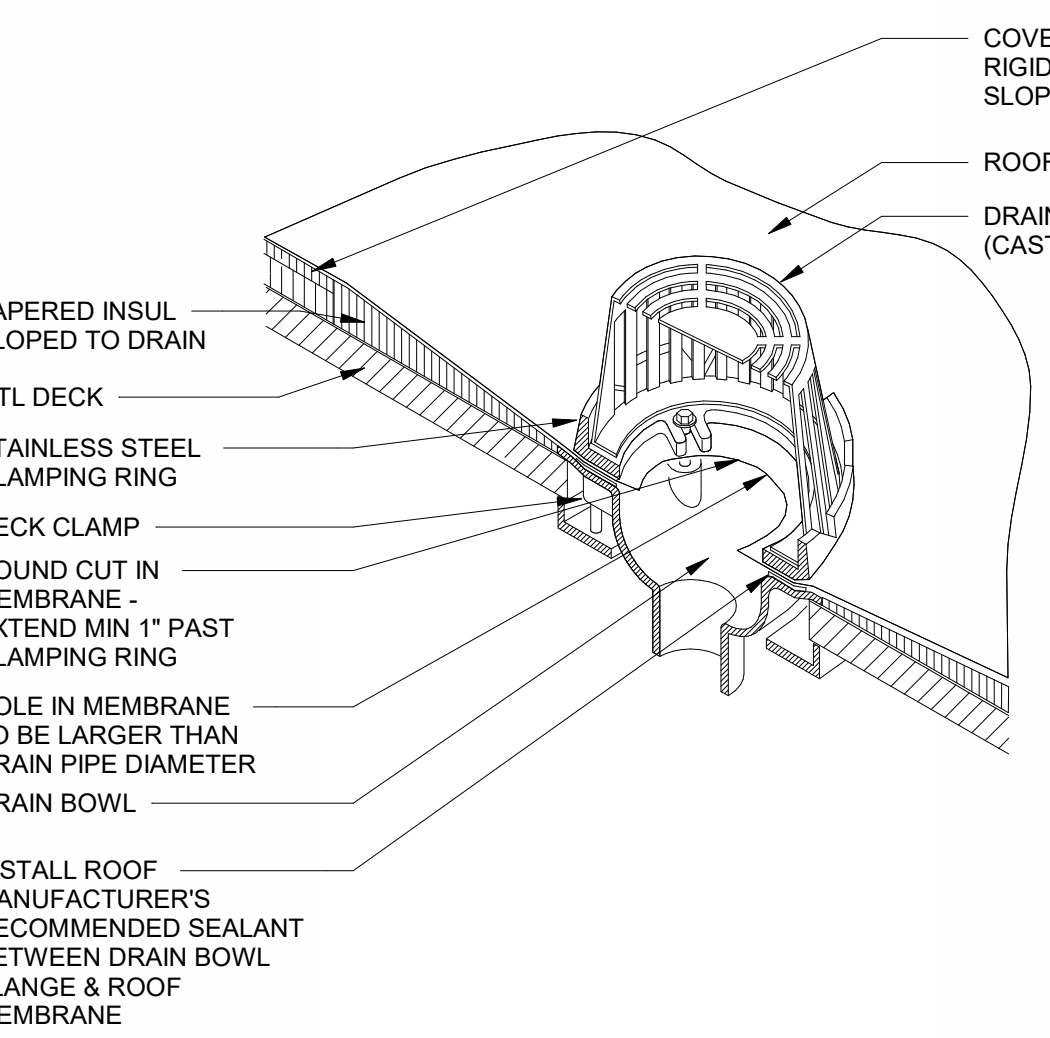
ROOF DRAIN DETAIL | 1/2" = 1'-0" 8



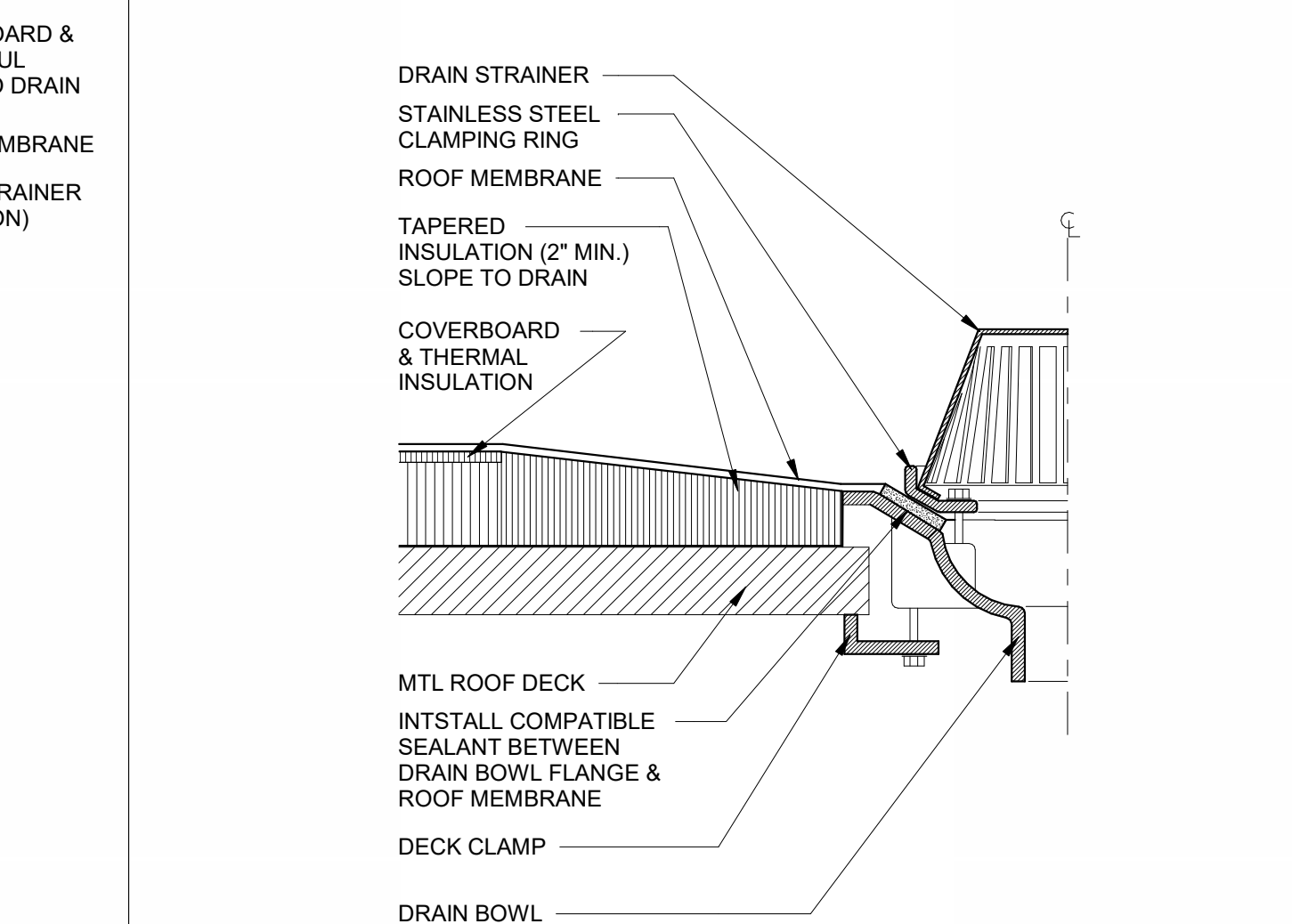
ROOF HATCH DETAIL | 1 1/2" = 1'-0" 4



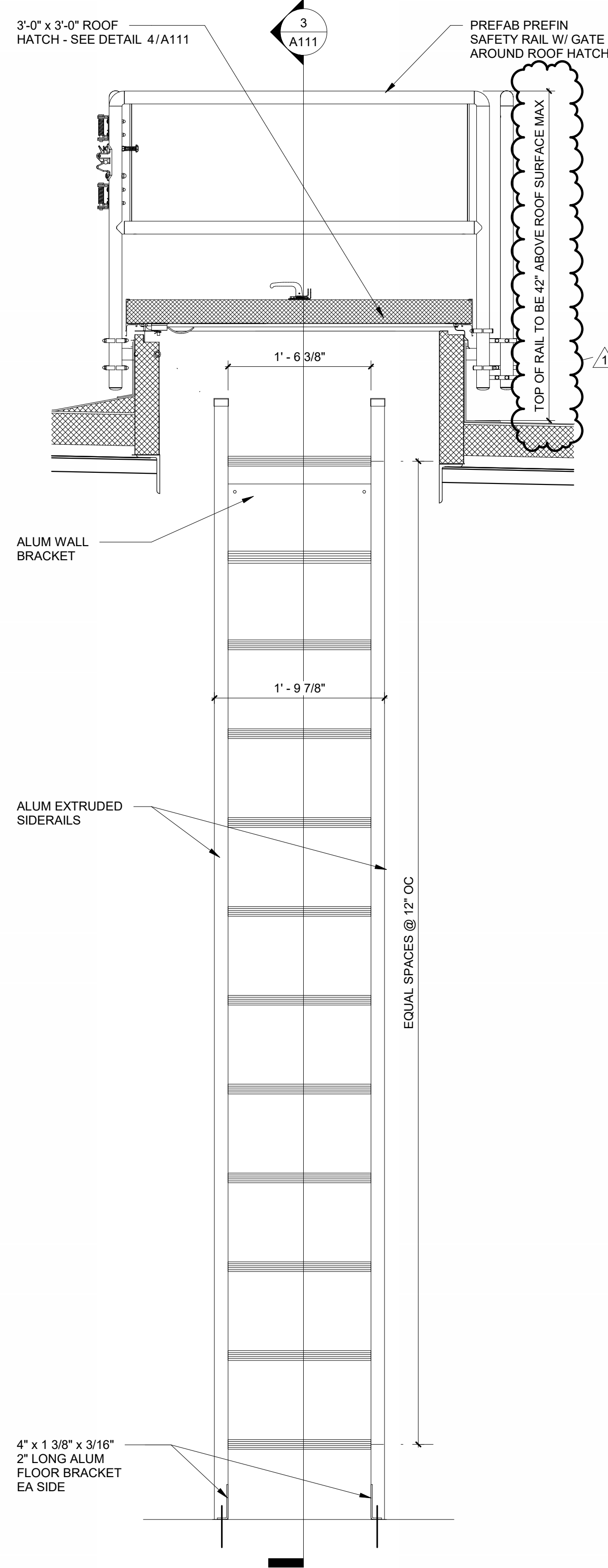
ROOF PARAPET FLASHING | 3" = 1'-0" 2



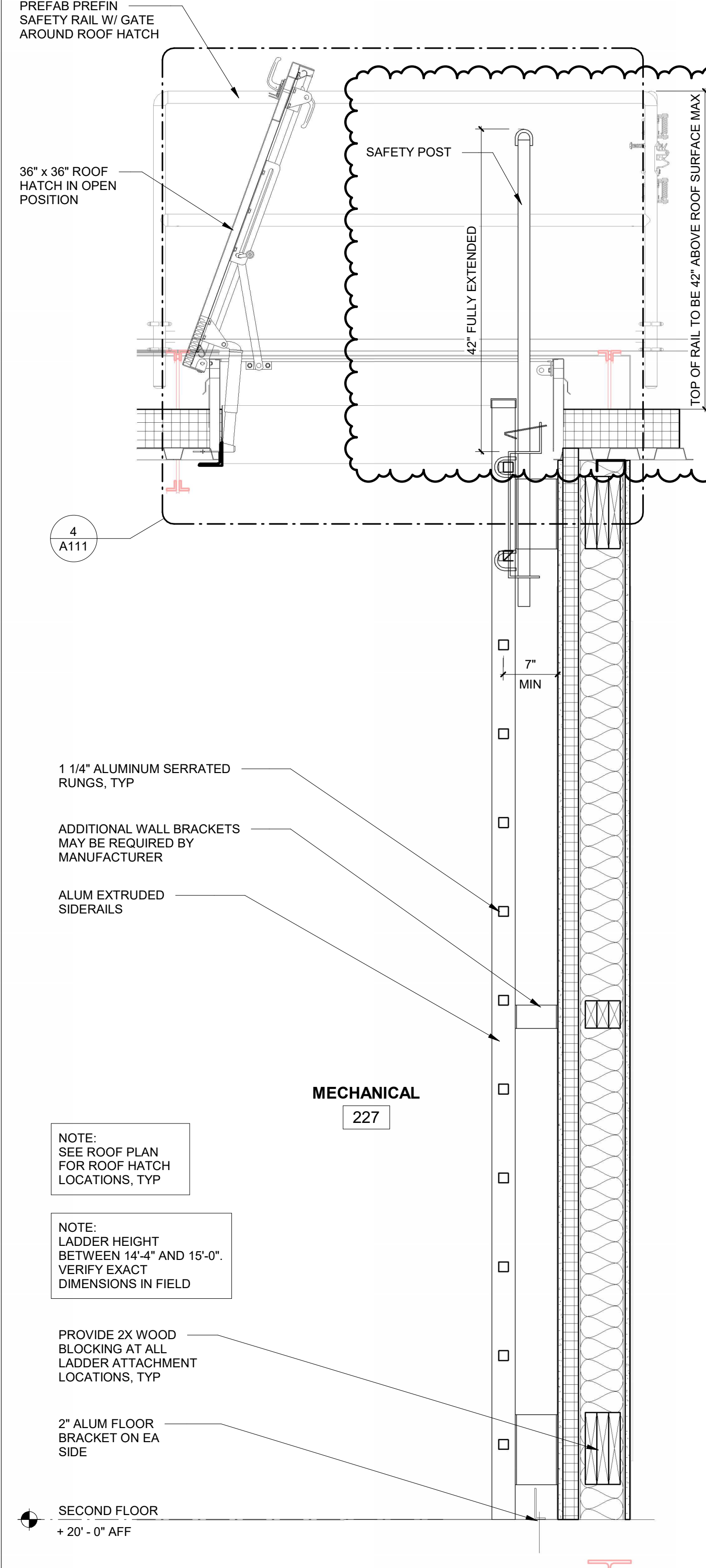
ROOF DRAIN - ISOMETRIC | NTS 10



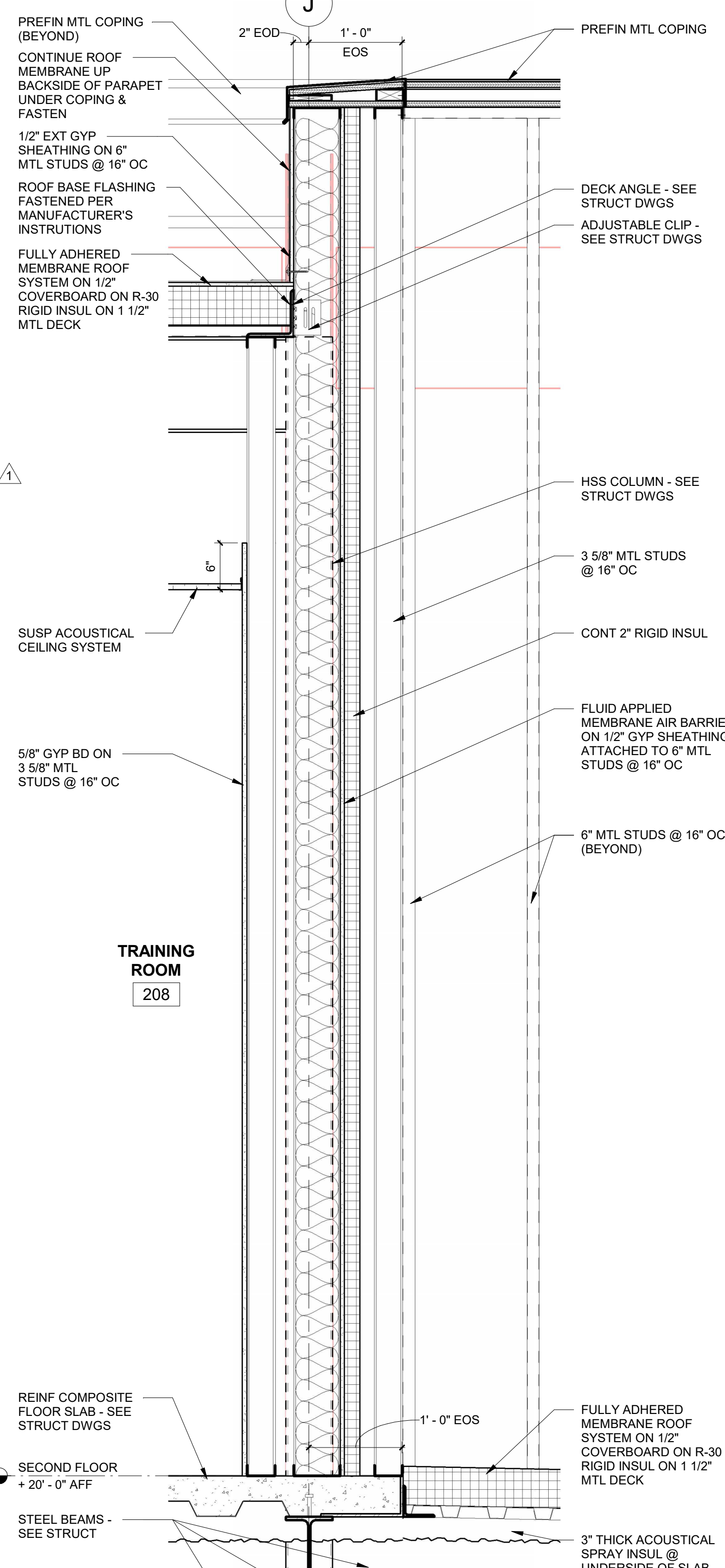
TYP ROOF DRAIN SECTION | NTS 7



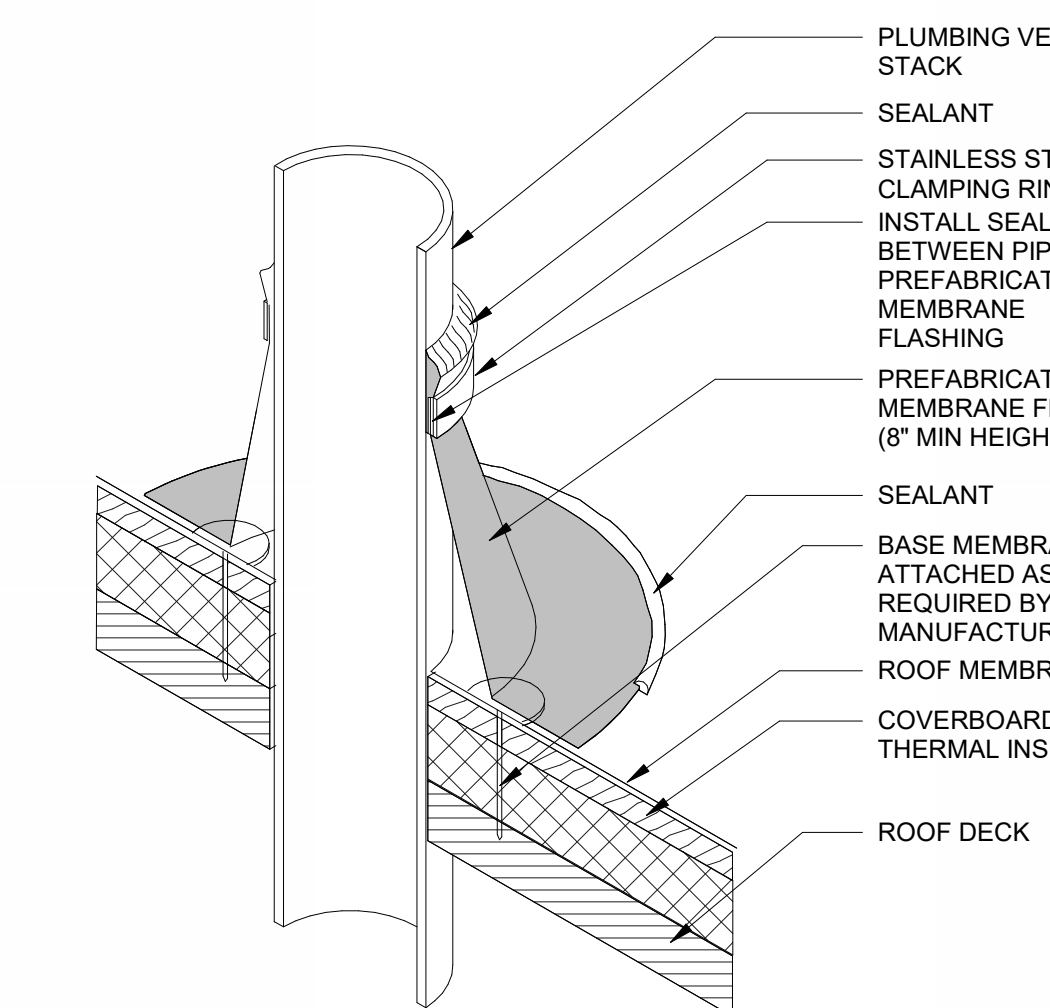
LADDER ELEVATION | 1" = 1'-0" 5



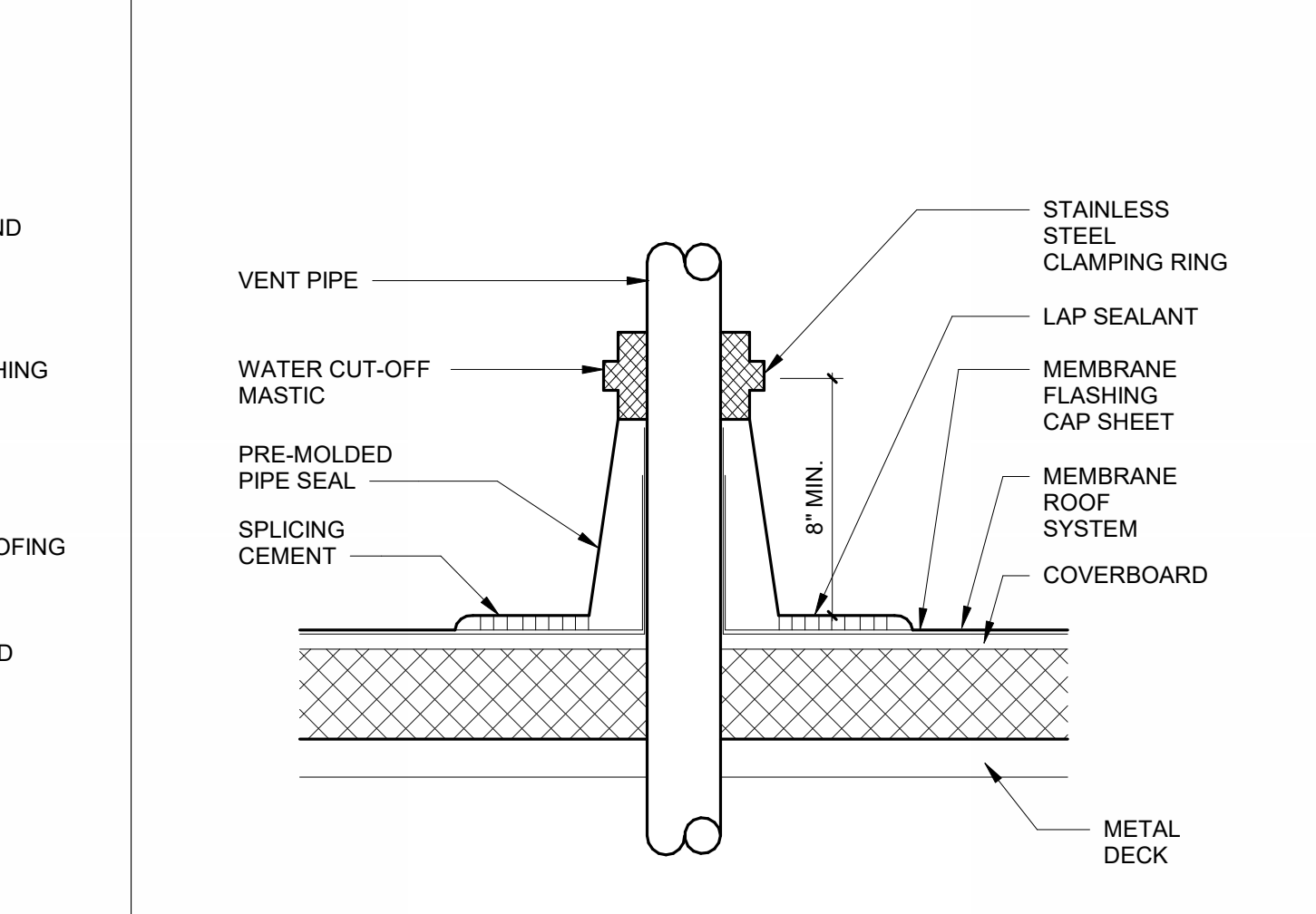
WALL LADDER SECTION | 1" = 1'-0" 3



ROOF PARAPET DETAIL | 1" = 1'-0" 1



ROOF VENT PIPE - ISO | NTS 9



ROOF VENT PIPE | NTS 6



CARY MAIN  
EMS STATION  
819 Kildaire Farm Road  
Cary, NC  
Development Plan  
#23-DP-4187

ROOF DETAILS

DATE: 10-07-24  
PROJECT NO: 21046

REVISIONS  
NO: 1 DATE: 10-11-24 DESCRIPTION: Addendum #1 - Permit Comments

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SHEET NUMBER

A111



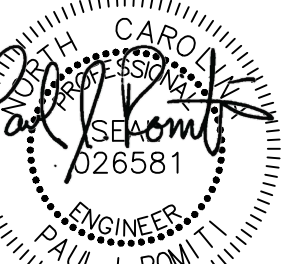
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CARY MAIN  
EMS STATION

819 Kildaire Farm Road  
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Development Plan  
#23-DP-4187



10-11-2024

RFB#24-086

Plumbing Legend  
and Notes

DATE: 10.07.24  
PROJECT NO: 21046

REVISIONS  
NO: DATE: DESCRIPTION:  
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P001

PLUMBING LEGEND table with columns: SYMBOL, SCHEDULE, ABBREVIATIONS. Lists symbols for water, gas, air, vent, and various fixtures like elbows, tees, caps, valves, and cleanouts.

GENERAL PLUMBING NOTES table containing 11 numbered notes regarding plumbing work standards, equipment, and coordination with other trades.

HIGH EFFICIENCY GAS FIRED WATER HEATER SCHEDULE table with columns: MARK, LOCATION, MANUFACTURER/ MODEL #, GAS TYPE AND PRESSURE, etc.

HOT WATER RECIRCULATION PUMP SCHEDULE table with columns: MARK, SERVICE, MANUFACTURER/ MODEL #, FLOW RATE, HEAD, MOTOR HP, etc.

2-STAGE RECIPROCATING AIR COMPRESSOR SCHEDULE table with columns: MARK, LOCATION, MANUFACTURER/ MODEL #, CAPACITY, ELECTRICAL, REMARKS.

SUMP PUMP SCHEDULE table with columns: MARK, SERVICE, MANUFACTURER/ MODEL #, FLOW RATE, HEAD, MOTOR HP, etc.

GAS LOAD SUMMARY PER 2018 NCFGC table showing fixture loads and capacity for 2018 NCFGC. Includes a note about gas regulator requirements.

BUILDING WATER DEMANDS table with columns: RIXTURE TYPE, No., Hot, Cold, Total, SUBTOTAL F.U.'s. Shows demand for various fixtures and a total of 159.95 F.U.'s.

SANITARY SERVICE CALCULATIONS table with columns: FIXTURE TYPE, No., DFU VALUE, SUBTOTAL DFM. Shows calculations for sanitary fixtures and a total of 1.96 DFM.

SPECIFICATIONS: REFER TO PROJECT MANUAL FOR COMPLETE JOB REQUIREMENTS

- 1.1 VIBRATION CONTROL AND SEISMIC-RESTRAINT DEVICE INSTALLATION
1.2 SUPPLY WATER PIPING SCHEDULE
1.3 INDOOR PIPING INSULATION SCHEDULE
2.1 WASTE AND VENT PIPING APPLICATIONS



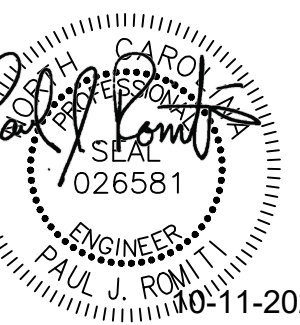
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CARY MAIN  
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Development Plan  
#23-DP-4187



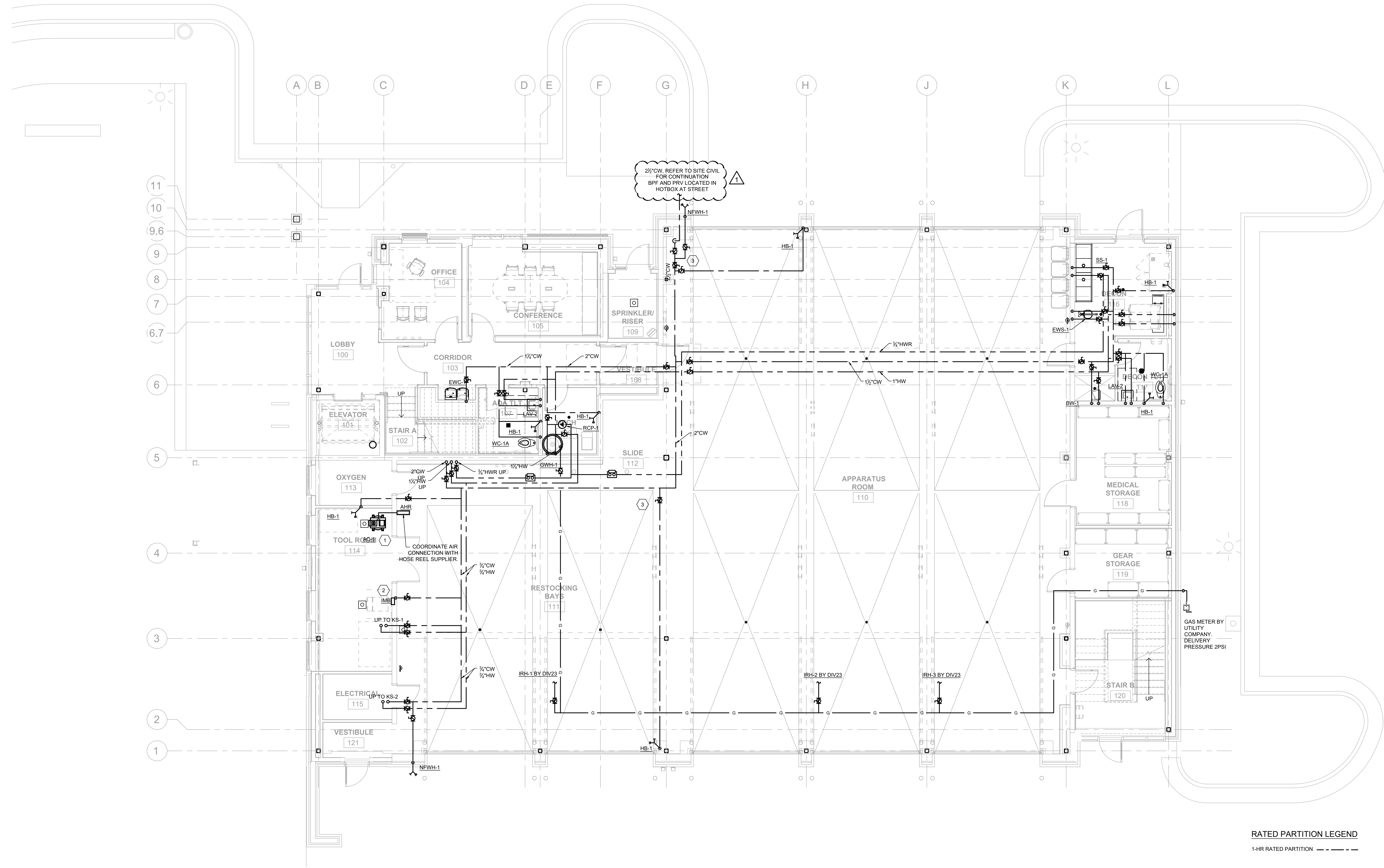
RFB#24-086

Plumbing Water  
and Gas First  
Floor Plan

DATE: 10.07.24  
PROJECT NO: 21046

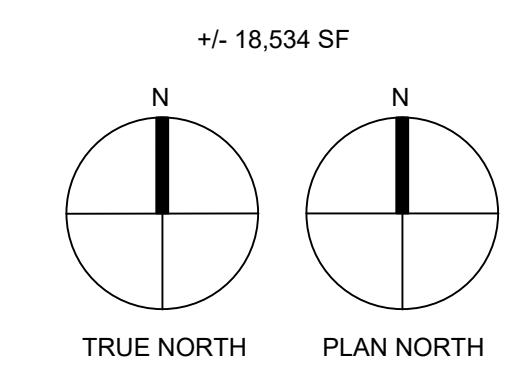
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**RATED PARTITION LEGEND**  
1-HR RATED PARTITION - - - - -

- KEYED NOTES:**
- 1 1/4" COMPRESSED AIR. PROVIDE WITH QUICK DISCONNECT.
  - 2 INSTALL 1/2" ICEMAKER CONNECTION QUARTER TURN BALL VALVE AND APPLIANCE BACK-FLOW PREVENTOR. COORDINATE WITH EQUIPMENT SUPPLIER
  - 3 ISOLATION VALVES SHALL BE ACCESSIBLE AND SHALL OPERABLE WITHOUT REQUIREMENT FOR A LIFT.







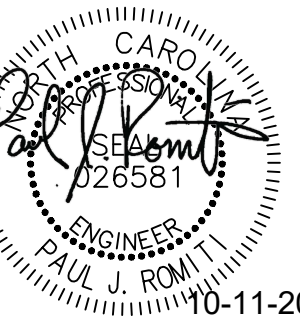
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CARY MAIN  
EMS STATION

819 Kildaire Farm Road  
Cary, NC

Development Plan  
#23-DP-4187



RFB#24-086

Plumbing Waste  
and Vent Second  
Floor Plan

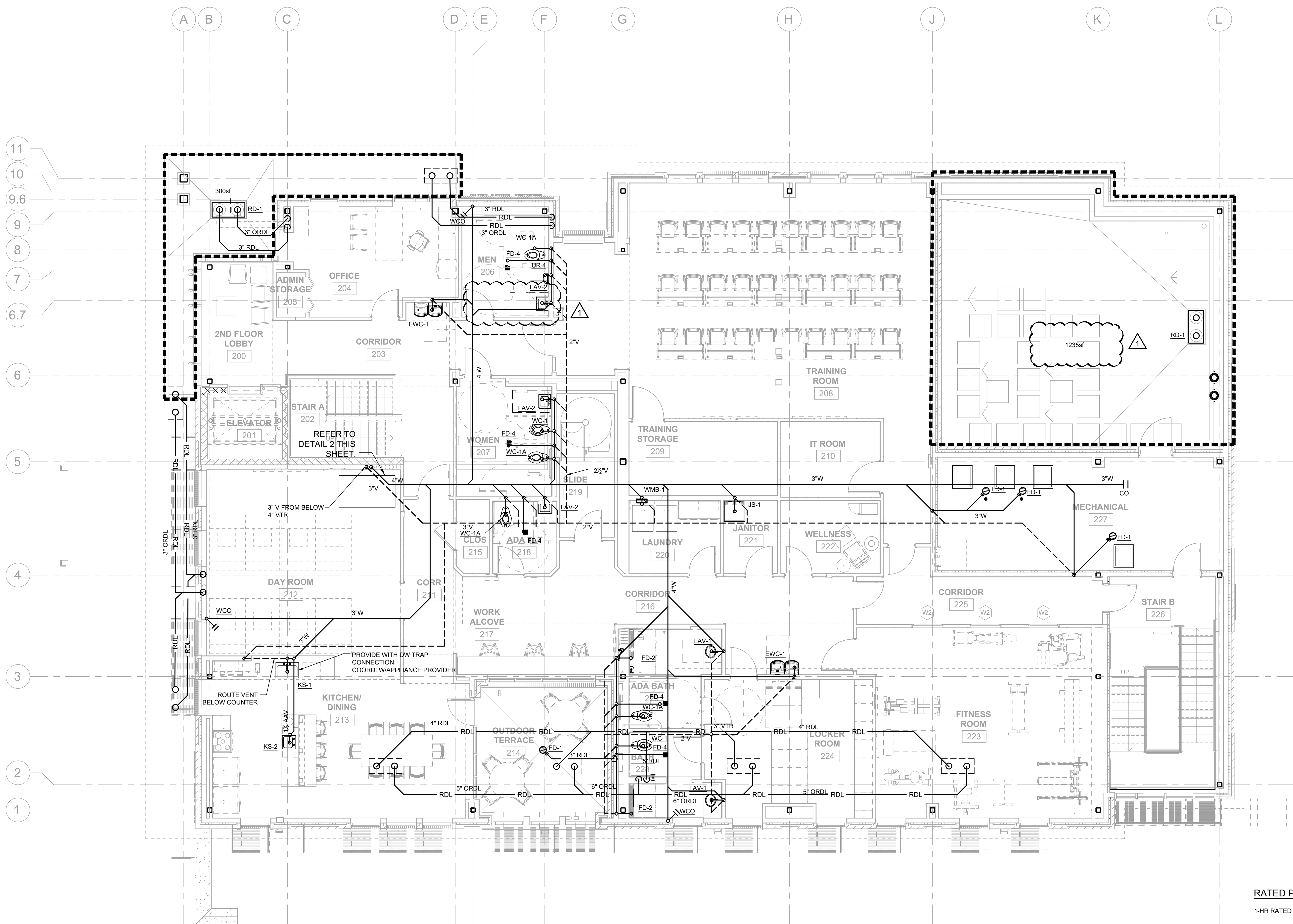
DATE: 10.07.24  
PROJECT NO: 21046

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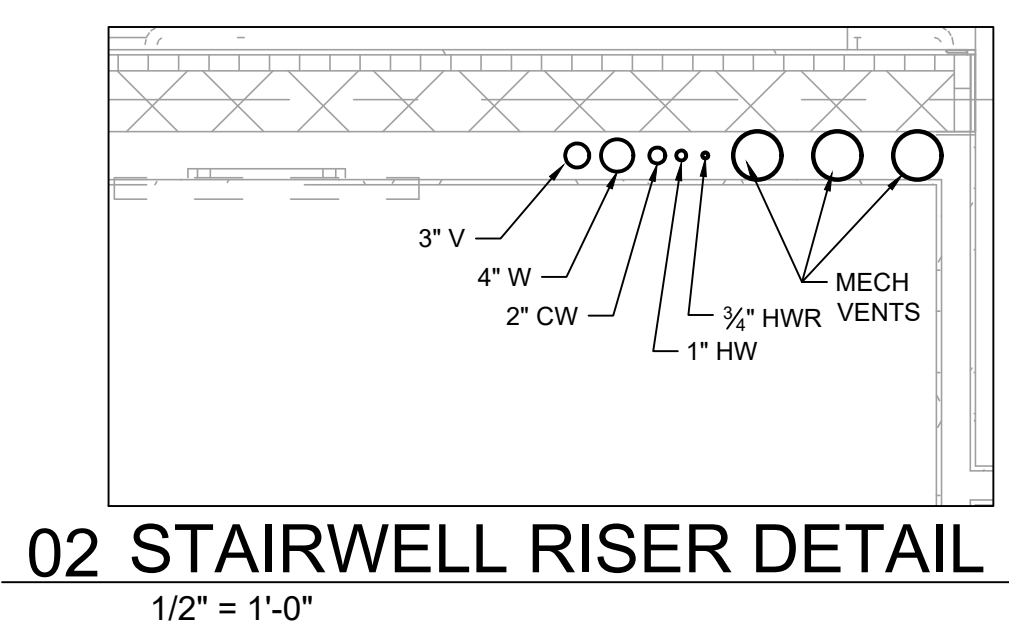
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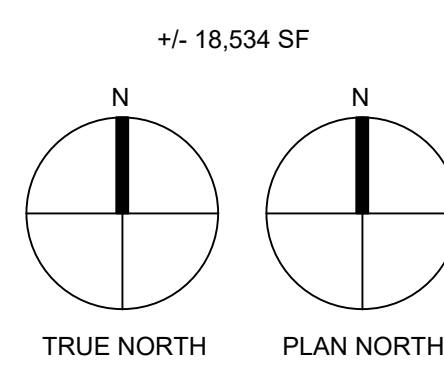
P210



RATED PARTITION LEGEND  
1-HR RATED PARTITION - - - - -

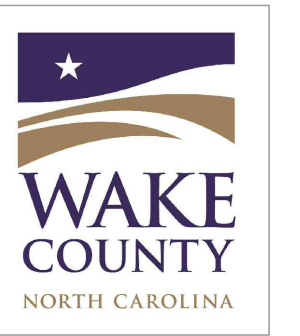


02 STAIRWELL RISER DETAIL  
1/2" = 1'-0"





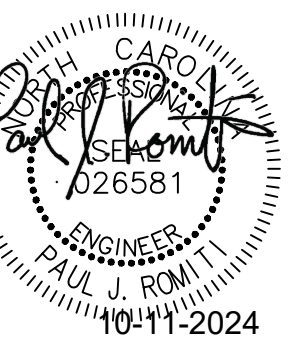
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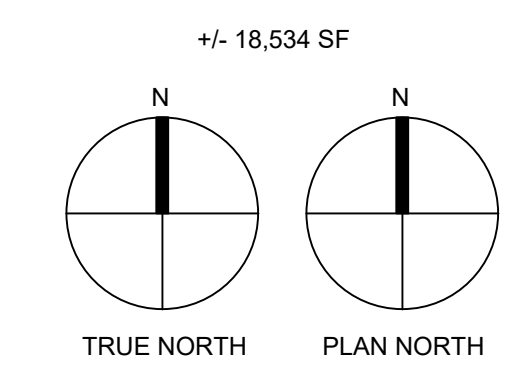
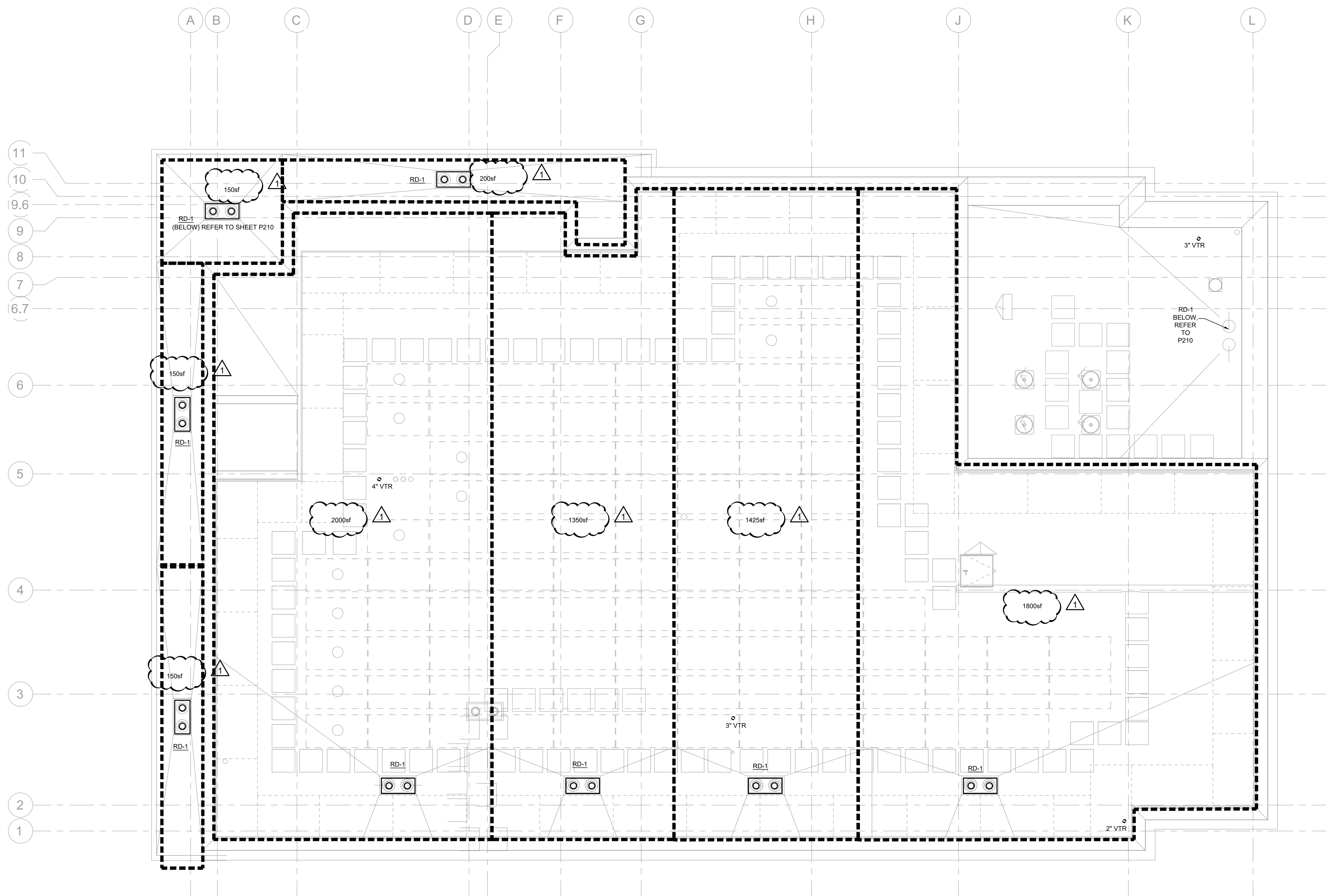
RFB#24-086

Plumbing Storm  
Drain Roof Plan

DATE: 10.07.24  
PROJECT NO: 21046

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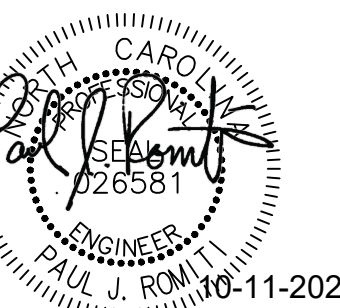
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CARY MAIN  
EMS STATION

819 Kildaire Farm Road  
Cary, NC

Development Plan  
#23-DP-4187



RFB#24-086

Plumbing Riser  
Diagrams

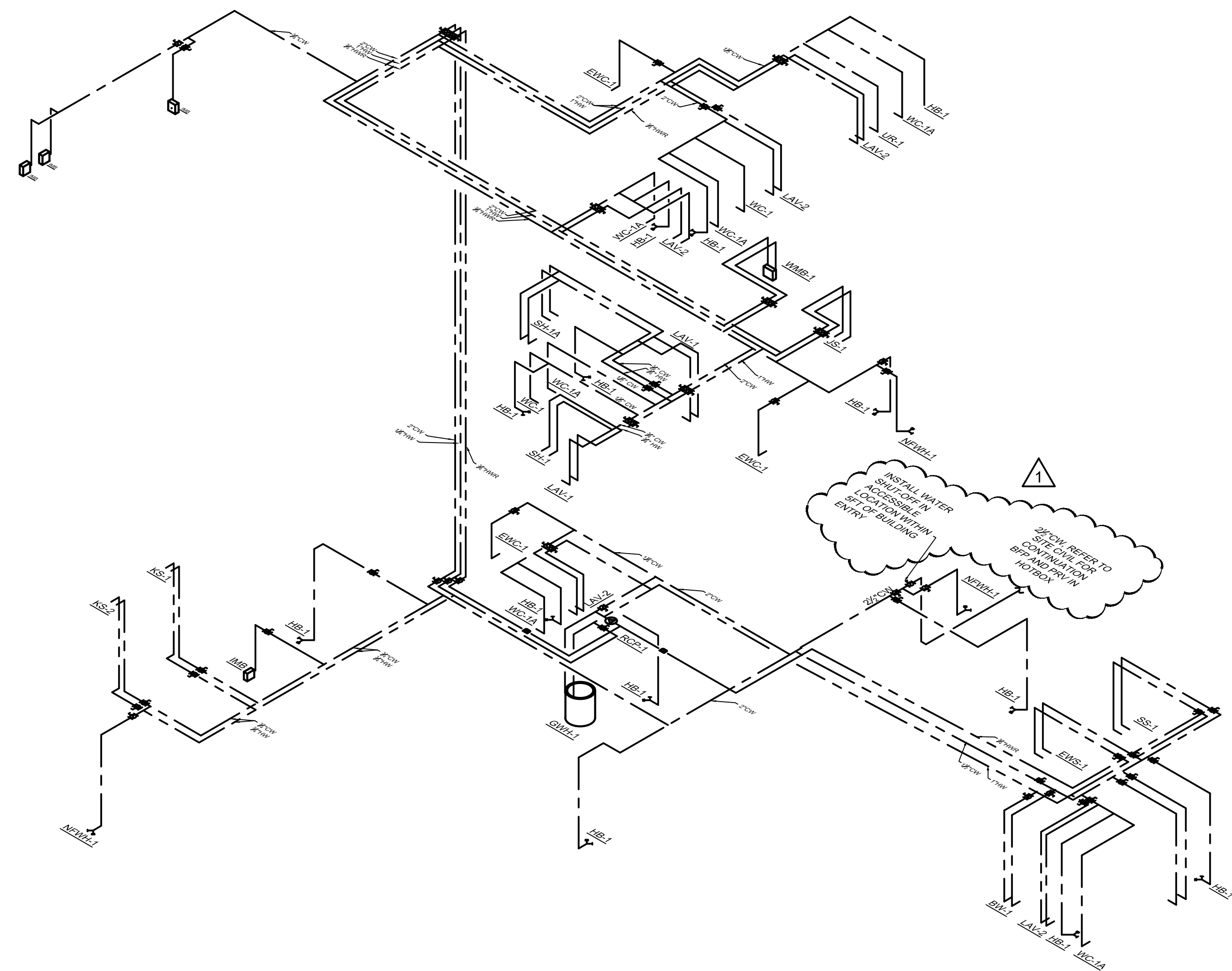
DATE: 10.07.24  
PROJECT NO: 21046

REVISIONS		
NO:	DATE:	DESCRIPTION:
△	10/11/2024	ADDENDUM #1 - PERMIT COMMENTS

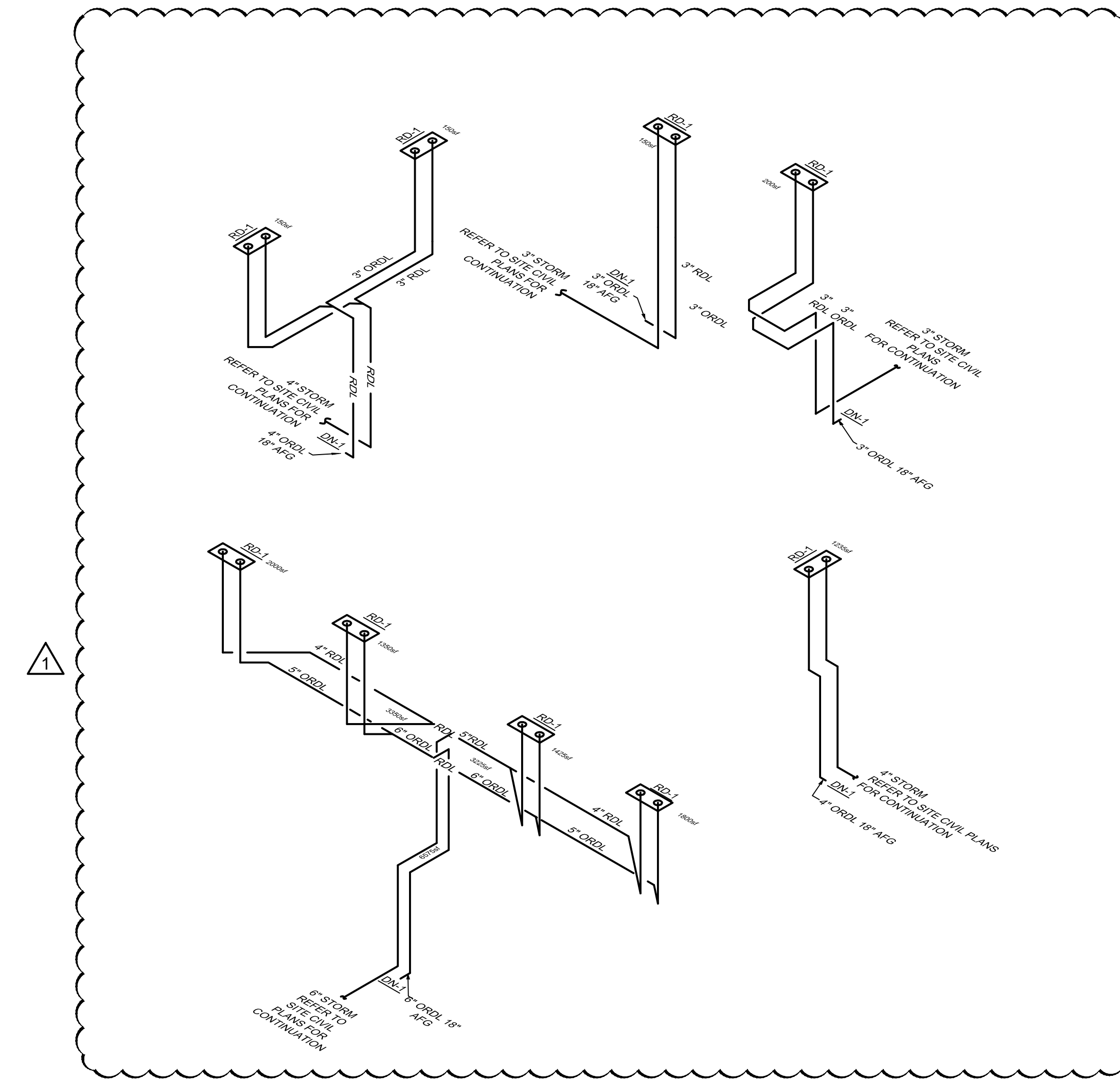
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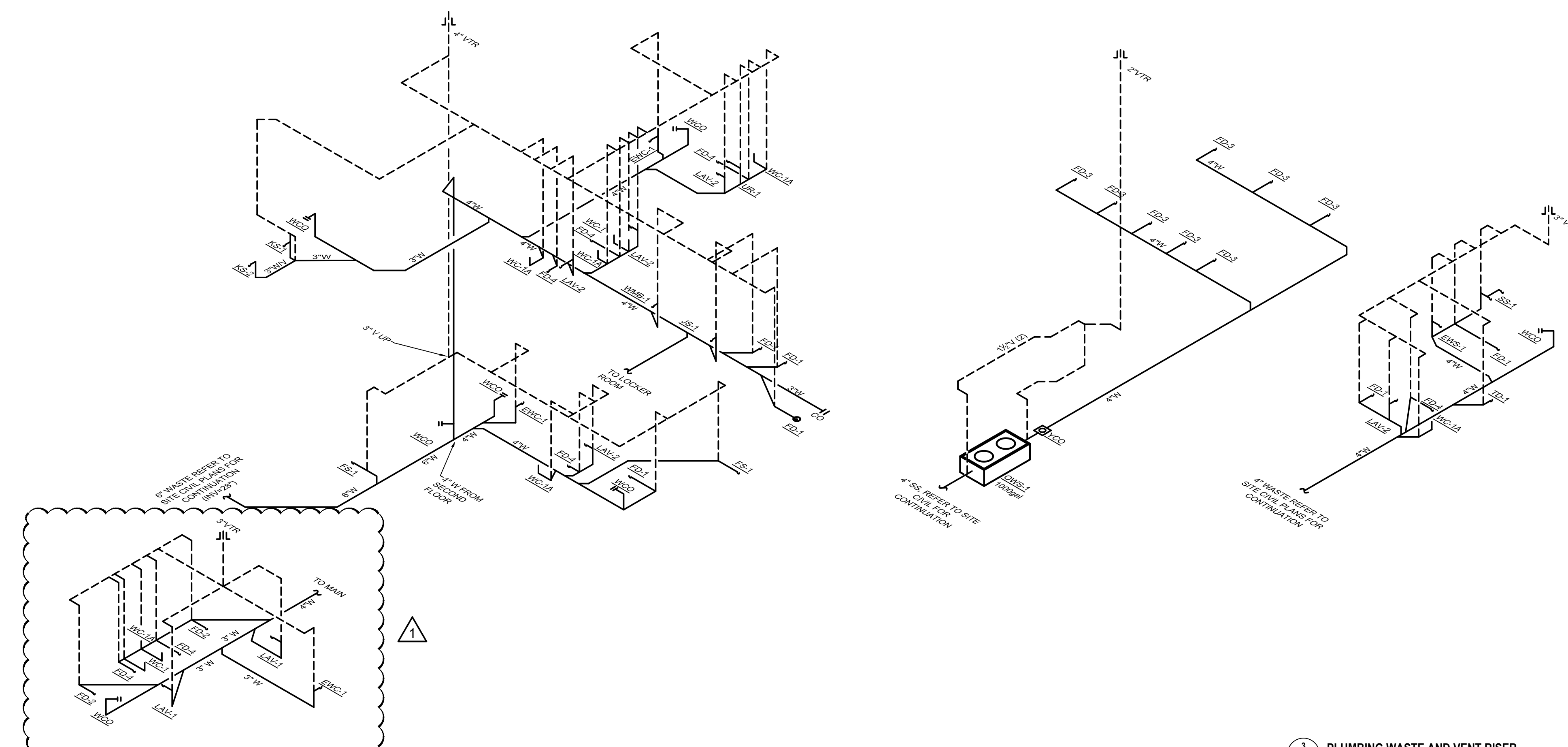
P300



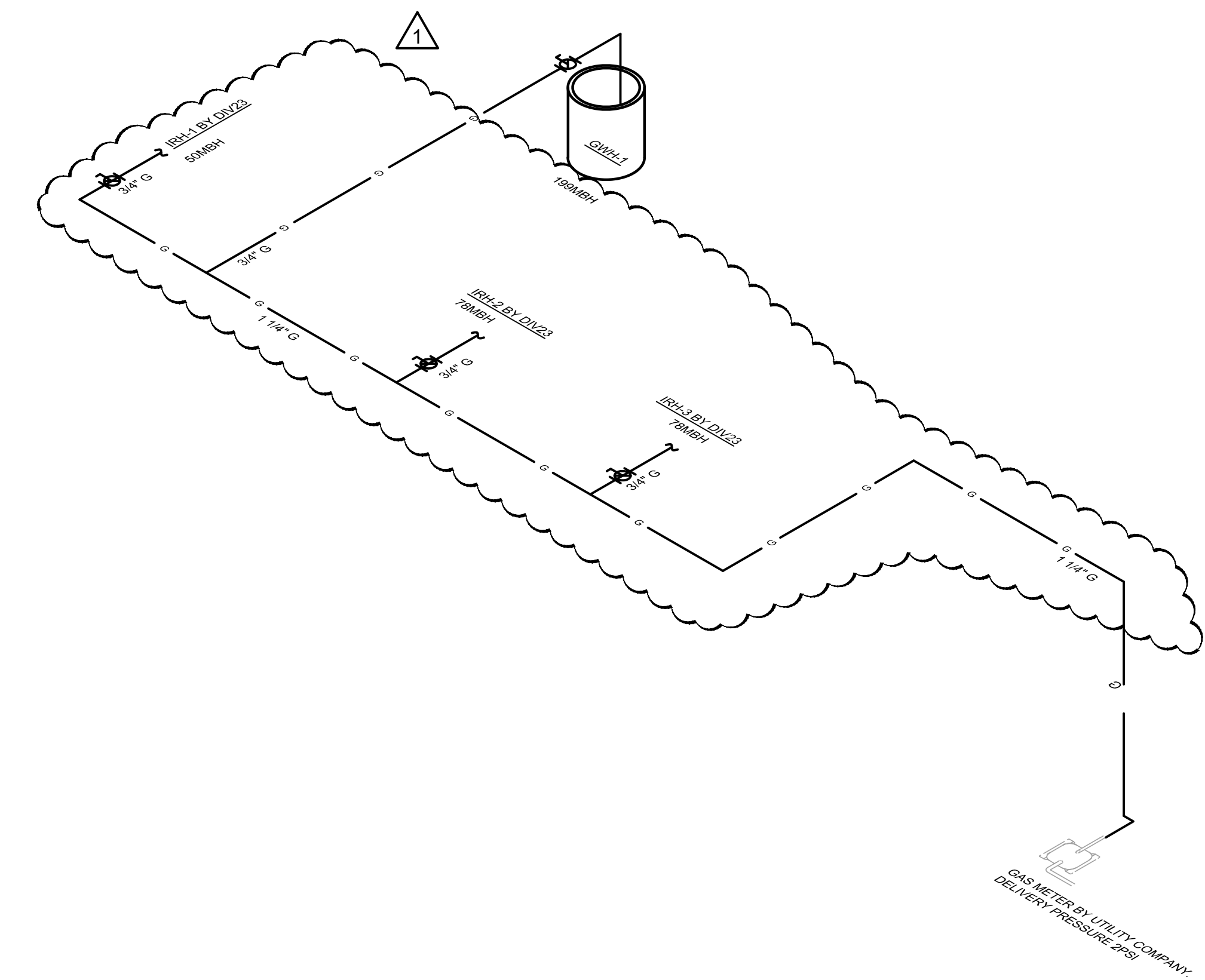
1 PLUMBING WATER RISER  
Scale: NONE



2 PLUMBING ROOF DRAIN LEADER RISER  
Scale: NONE



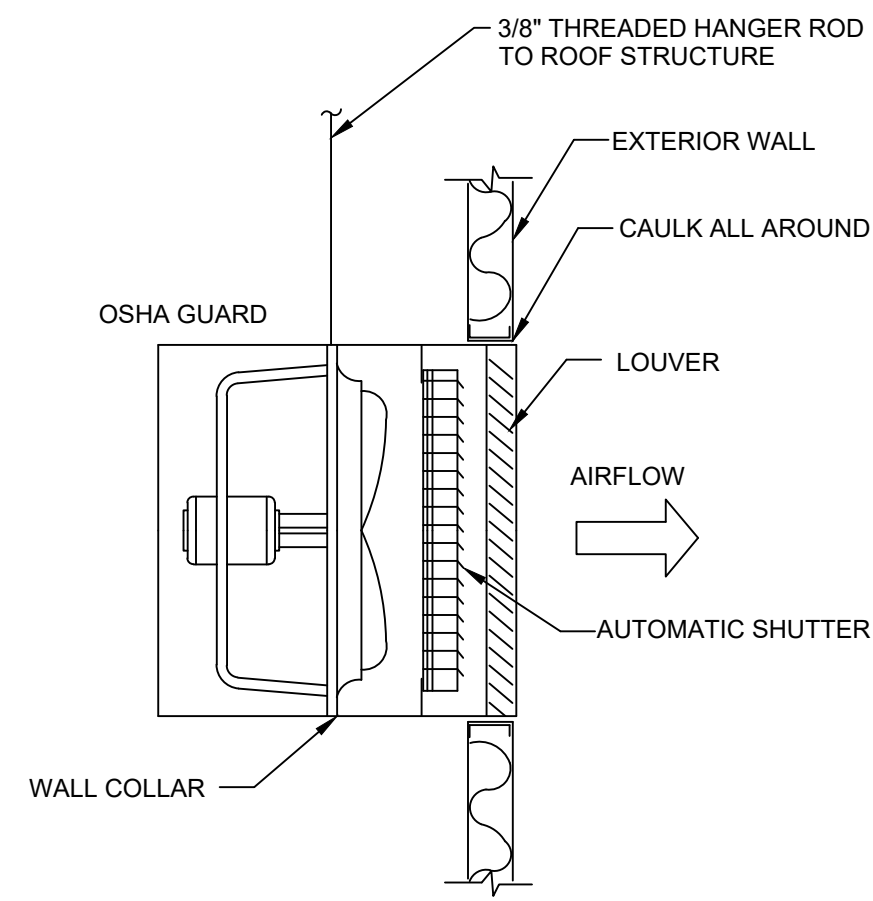
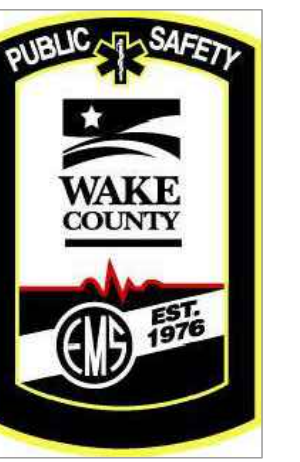
3 PLUMBING WASTE AND VENT RISER  
Scale: NONE



4 PLUMBING GAS RISER  
Scale: NONE



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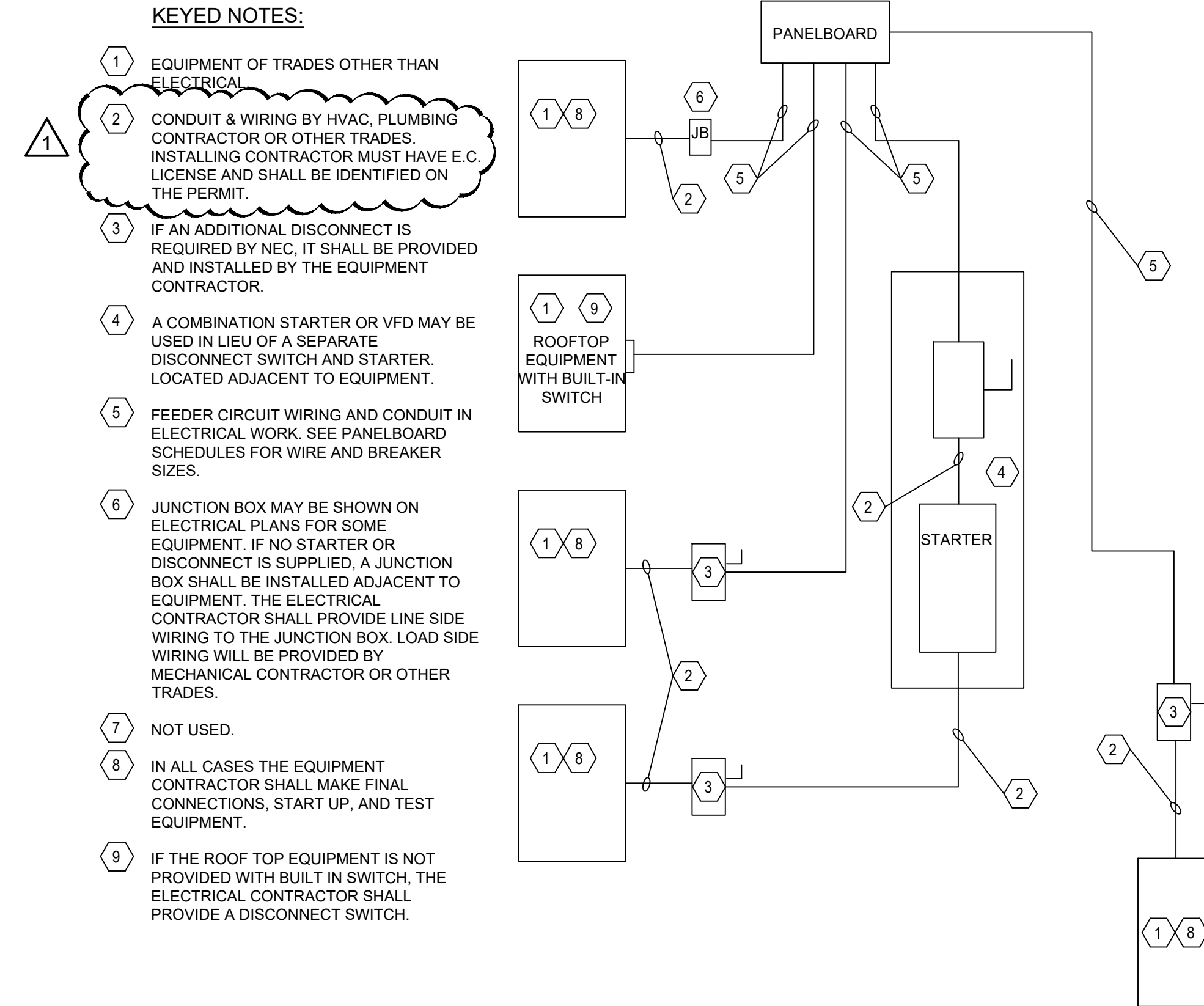


PROVIDE AUXILIARY FRAMING AS REQUIRED TO SUPPORT FRAME.

NOTES:

FAN SHUTOFF SHALL BE CONNECTED TO THE BUILDING FIRE ALARM SYSTEM THROUGH A LOCAL CONTROL MODULE PROVIDED BY DIV 26. DIV 23 SHALL INSTALL CONTROL WIRING FROM CONTROL MODULE TO FAN STARTER. COMPLY WITH ALL REQUIREMENTS IN DIV 26 FOR RACEWAY AND WIRING.

PROP FAN EXHAUST DETAIL NO SCALE 06



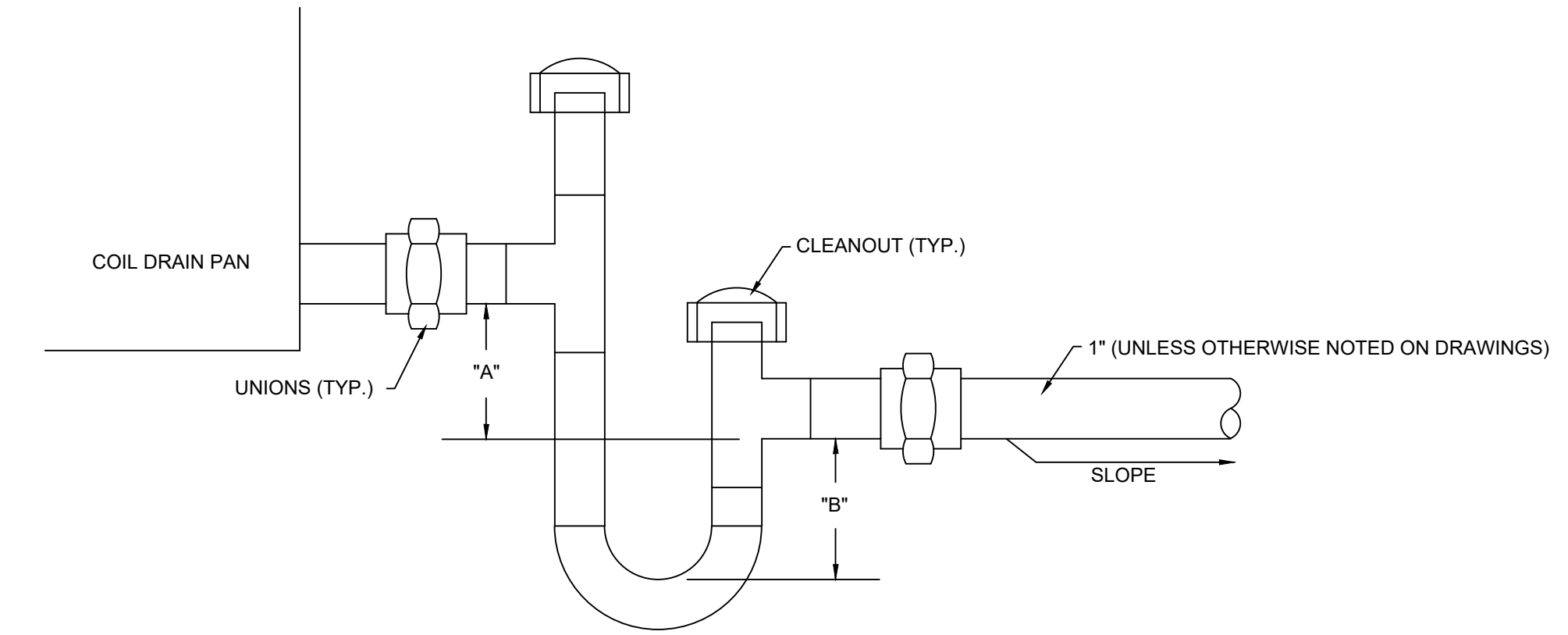
KEYED NOTES:

- 1 EQUIPMENT OF TRADES OTHER THAN ELECTRICAL
- 2 CONDUIT & WIRING BY HVAC, PLUMBING CONTRACTOR OR OTHER TRADES. INSTALLING CONTRACTOR MUST HAVE E.C. LICENSE AND SHALL BE IDENTIFIED ON THE PERMIT.
- 3 IF AN ADDITIONAL DISCONNECT IS REQUIRED BY NEC, IT SHALL BE PROVIDED AND INSTALLED BY THE EQUIPMENT CONTRACTOR.
- 4 A COMBINATION STARTER OR VFD MAY BE USED IN LIEU OF A SEPARATE DISCONNECT SWITCH AND STARTER, LOCATED ADJACENT TO EQUIPMENT.
- 5 FEEDER CIRCUIT WIRING AND CONDUIT IN ELECTRICAL WORK. SEE PANELBOARD SCHEDULES FOR WIRE AND BREAKER SIZES.
- 6 JUNCTION BOX MAY BE SHOWN ON ELECTRICAL PLANS FOR SOME EQUIPMENT. IF NO STARTER OR DISCONNECT IS SUPPLIED, A JUNCTION BOX SHALL BE INSTALLED ADJACENT TO EQUIPMENT. THE ELECTRICAL CONTRACTOR SHALL PROVIDE LINE SIDE WIRING TO THE JUNCTION BOX. LOAD SIDE WIRING WILL BE PROVIDED BY MECHANICAL CONTRACTOR OR OTHER TRADES.
- 7 NOT USED.
- 8 IN ALL CASES THE EQUIPMENT CONTRACTOR SHALL MAKE FINAL CONNECTIONS, START UP, AND TEST EQUIPMENT.
- 9 IF THE ROOF-TOP EQUIPMENT IS NOT PROVIDED WITH BUILT-IN SWITCH, THE ELECTRICAL CONTRACTOR SHALL PROVIDE A DISCONNECT SWITCH.

NOTES:

DIVISION 23 CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER DIRECTION OF ROTATION FOR ALL THREE PHASE EQUIPMENT.

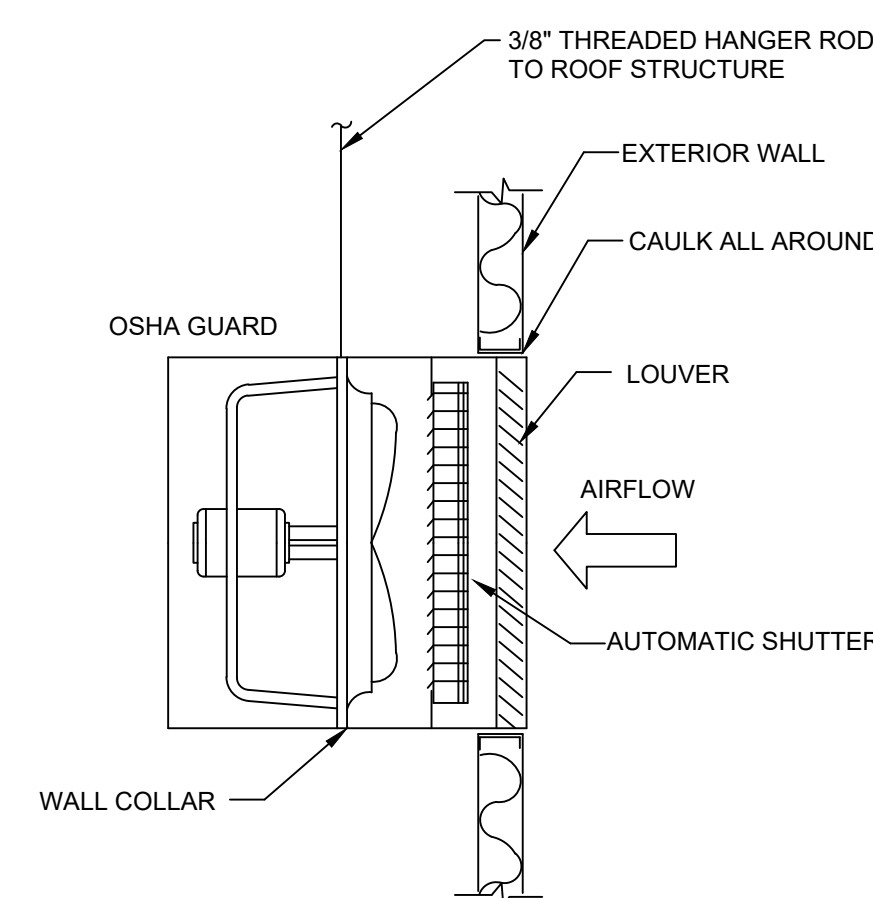
ELECTRICAL CONNECTIONS TO MECHANICAL EQUIP. NO SCALE 05



NOTES:

- 1 "A" = SYSTEM STATIC IN INCHES, AT DRAIN POINT.
- 2 "B" = 1/2 SYSTEM STATIC IN INCHES, AT DRAIN POINT.
- 3 SIZE IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.

CONDENSATE DRAIN DETAIL NO SCALE 04

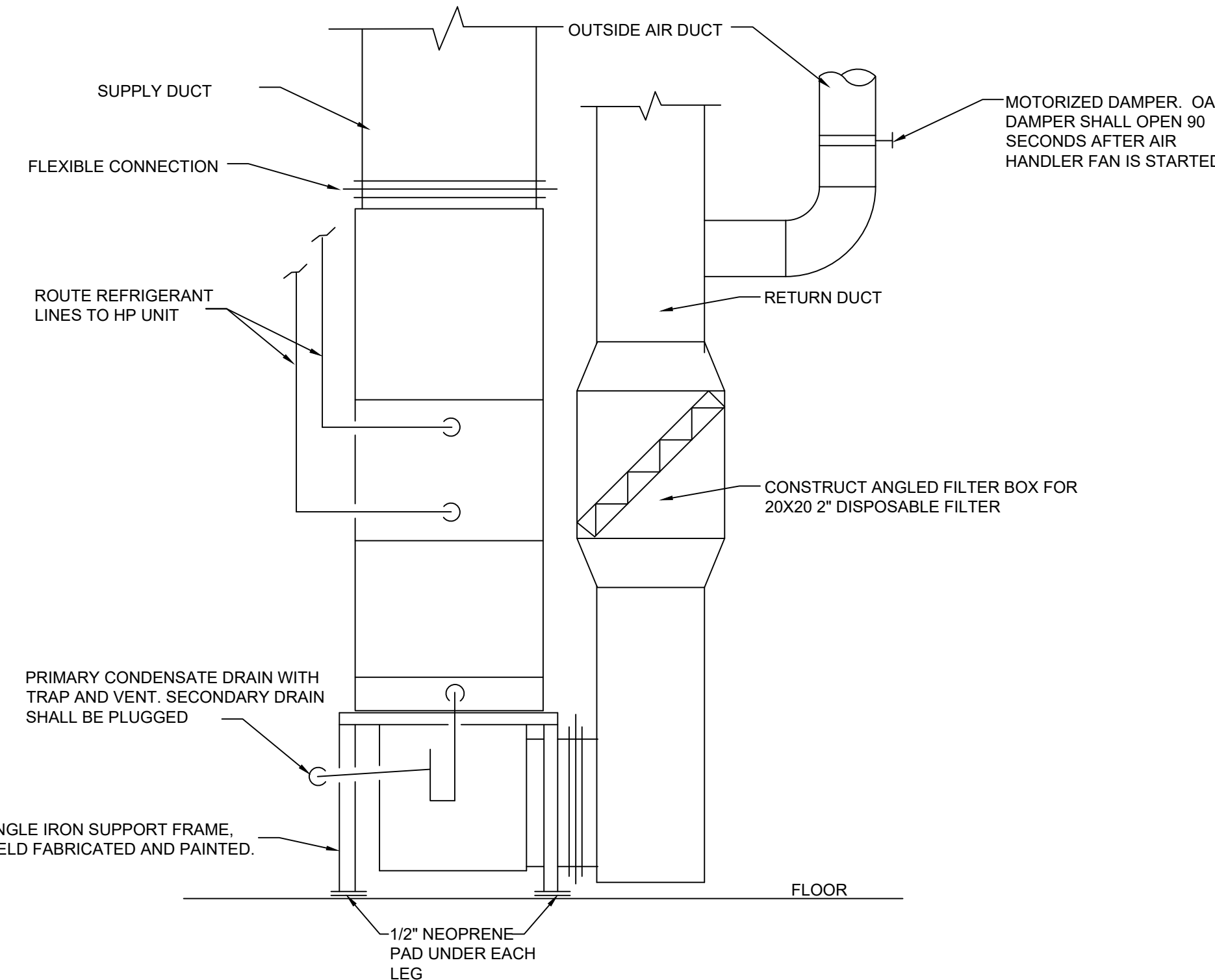


PROVIDE AUXILIARY FRAMING AS REQUIRED TO SUPPORT FRAME.

NOTES:

FAN SHUTOFF SHALL BE CONNECTED TO THE BUILDING FIRE ALARM SYSTEM THROUGH A LOCAL CONTROL MODULE PROVIDED BY DIV 26. DIV 23 SHALL INSTALL CONTROL WIRING FROM CONTROL MODULE TO FAN STARTER. COMPLY WITH ALL REQUIREMENTS IN DIV 26 FOR RACEWAY AND WIRING.

PROP FAN SUPPLY DETAIL NO SCALE 03

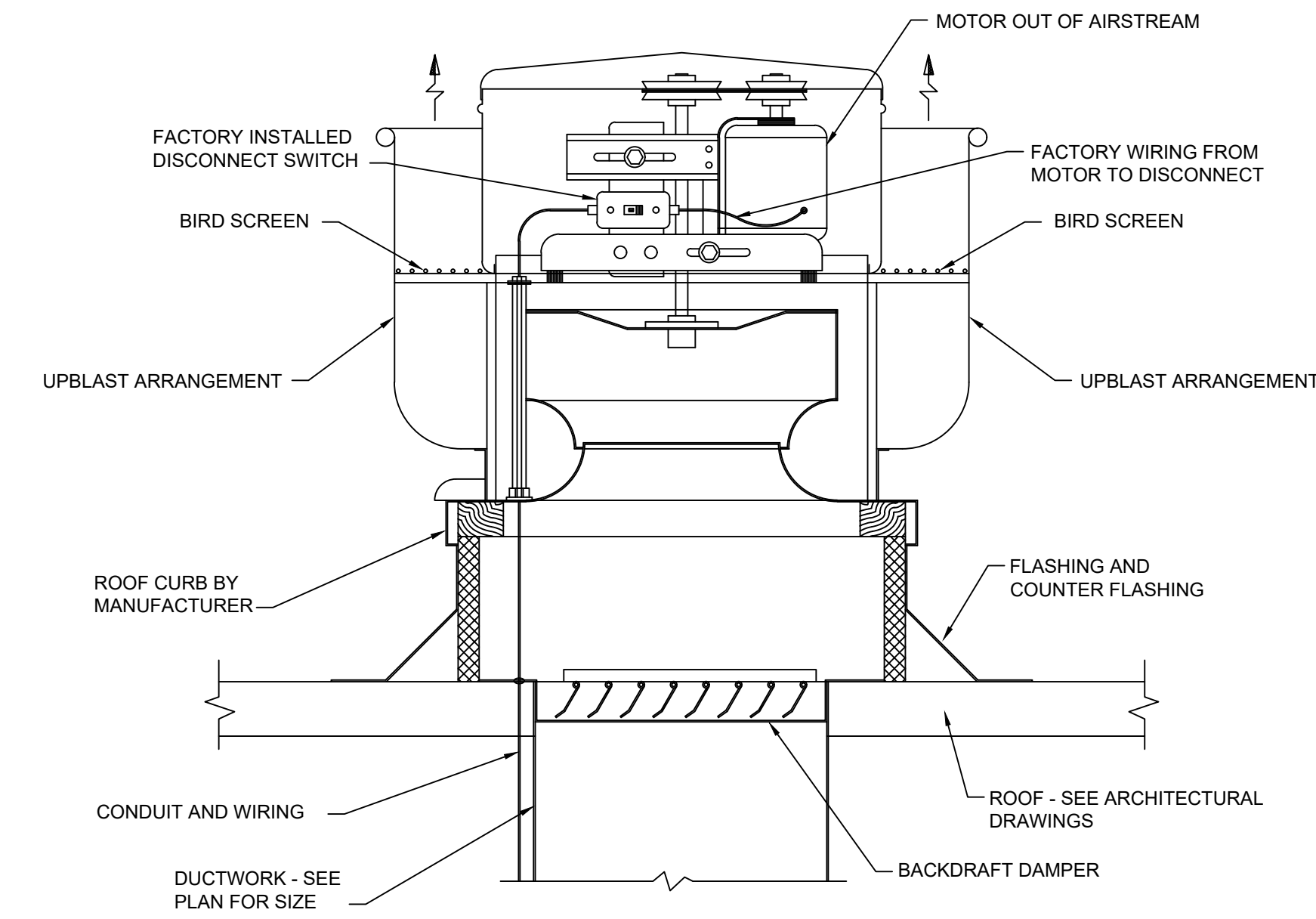


NOTES:

INSTALL A WATERTIGHT GALVANIZED STEEL EMERGENCY DRAIN PAN UNDER THE UNIT. THE PAN SHALL BE 3" DEEP AND 3" WIDER THAN THE UNIT ALL AROUND. INSTALL A FLOAT SWITCH IN THE PAN AND WIRE INTO THE CONTROL CIRCUIT.

AHU SHUTOFF SHALL BE CONNECTED TO THE BUILDING FIRE ALARM SYSTEM THROUGH A LOCAL CONTROL MODULE PROVIDED BY DIV 26. DIV 23 SHALL INSTALL CONTROL WIRING FROM CONTROL MODULE TO FAN STARTER. COMPLY WITH ALL REQUIREMENTS IN DIV 26 FOR RACEWAY AND WIRING.

VERTICAL AHU INSTALLATION DETAIL NO SCALE 02



NOTES:

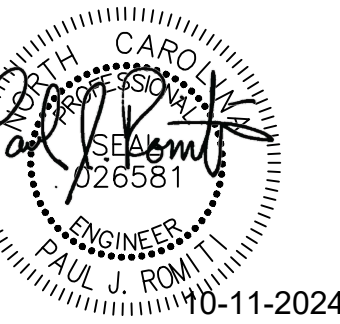
1. REFER TO EXHAUST FAN SCHEDULE FOR REQUIRED DISCHARGE ARRANGEMENT.
2. BELT-DRIVE SHOWN, DIRECT-DRIVE SIMILAR.
3. REFER TO ARCHITECTURAL ROOFING PLANS AND SPECIFICATIONS FOR MATERIAL AND FLASHING REQUIREMENTS

UPBLAST EXHAUST FAN INSTALLATION DETAIL NO SCALE 01

CARY MAIN  
EMS STATION

819 Kildaire Farm Road  
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Development Plan  
#23-DP-4187



RFB#24-086

Mechanical -  
Details

DATE: 10.07.24  
PROJECT NO: 21046

REVISIONS

NO:	DATE:	DESCRIPTION:
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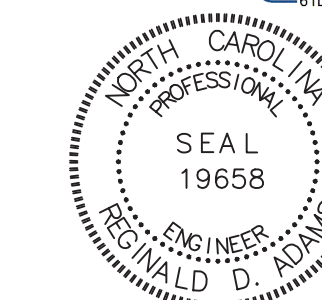


**CARY MAIN  
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Development Plan  
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Designed by:  
Mr. Reginald D. Adams



RFB#24-086

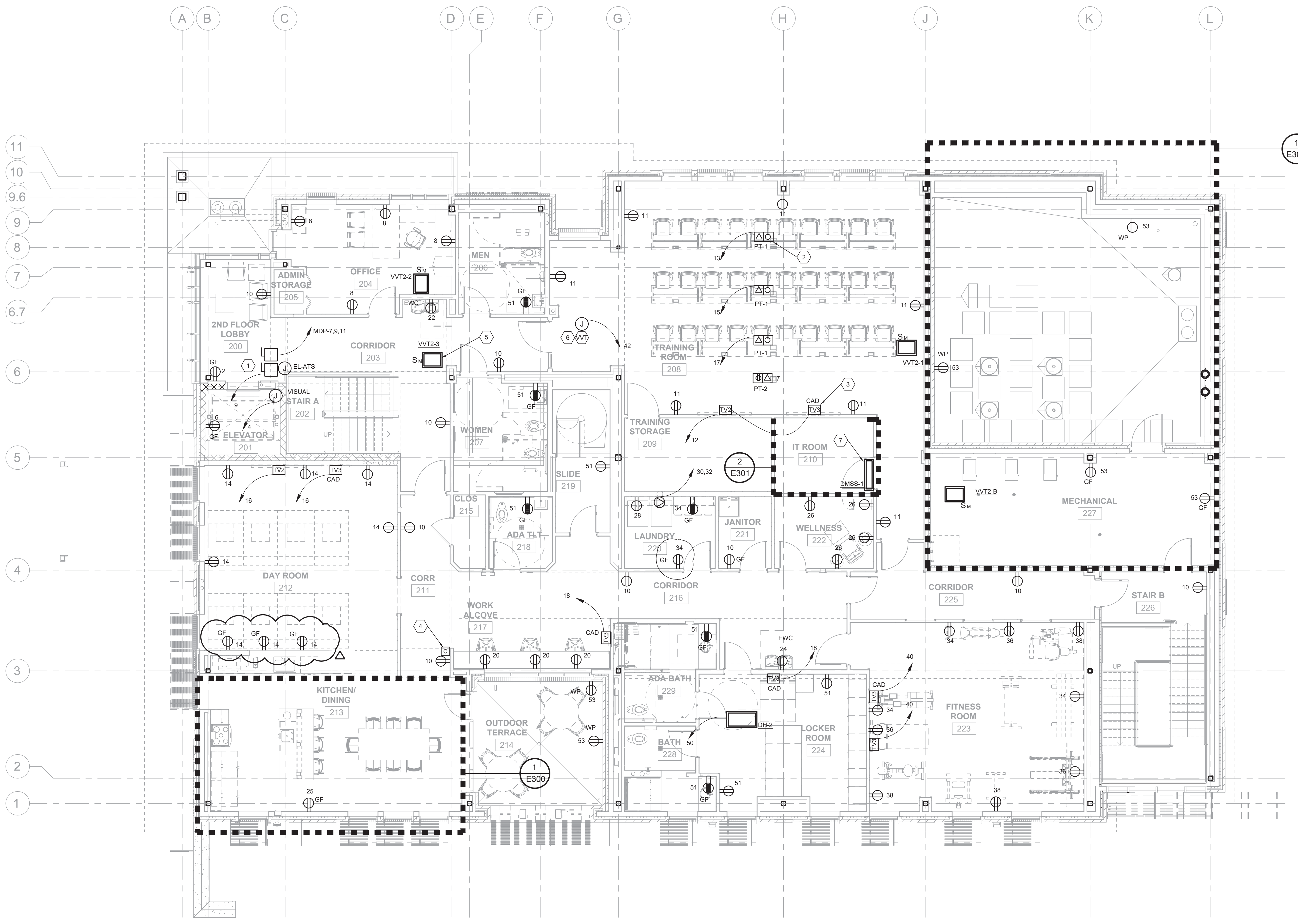
**SECOND FLOOR  
ELECTRICAL  
POWER PLAN**

DATE: 10.07.24  
PROJECT NO: 21046

REVISIONS

NO.	DATE	DESCRIPTION
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**GENERAL NOTES:**

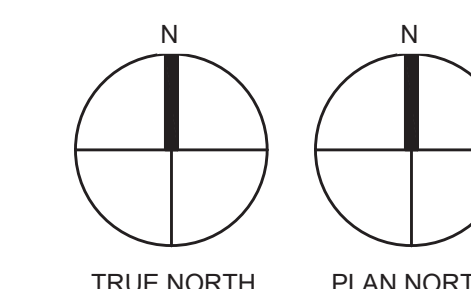
- REFER TO SHEET E400 FOR RISERS AND PANEL SCHEDULES.
- COORDINATE LOCATIONS OF ALL MONITORS AND FLOOR BOXES WITH DESIGNER PRIOR TO BEGINNING ROUGH-IN.
- ALL DEVICES ARE CIRCUITED TO PANEL P2, UON.
- ALL EXHAUST FANS ARE CONNECTED TO LOCAL LIGHTING SOURCE UNLESS OTHERWISE NOTED ON THE DRAWINGS.

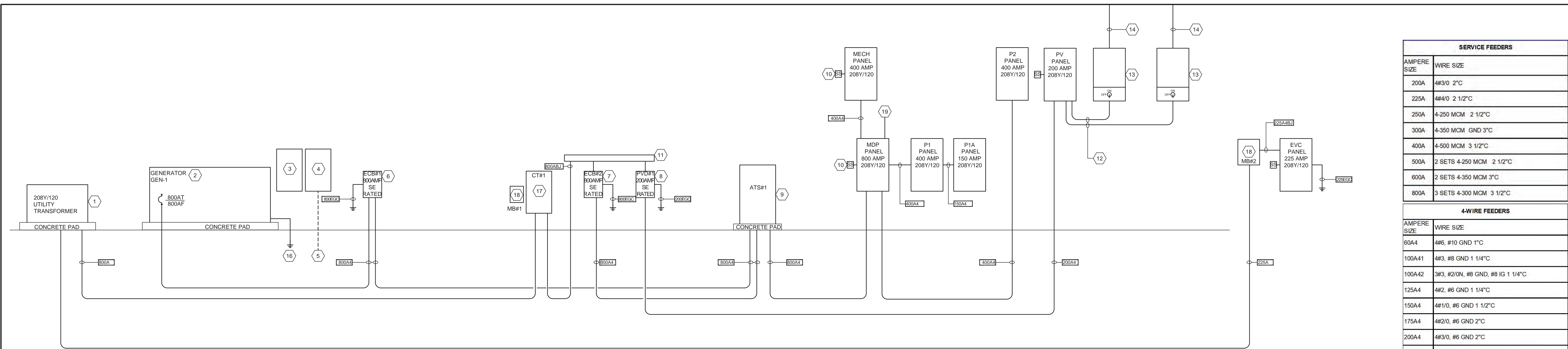
**NOTES KEYED TO 1/E212:**

- COORDINATE ELEVATOR CONNECTIONS WITH VENDOR PRIOR TO BEGINNING ROUGH-IN. CONNECTIONS INCLUDE CAB LIGHT, ELEVATOR CONTROLLER, VISUAL CONTROLS AND ATS RUN SIGNALS. SIGNALS TO INCLUDE "GENERATOR RUNNING" AND "TRANSFER TO OCCUR IN 20 SEC".
- TYPE 1 & 2 POKE-THRU. REFERENCE PROJECT MANUAL SECTION 262726 FOR REQUIREMENTS. TYPICAL.
- REFERENCE 3T400 FOR INSTALLATION OF ALL WALL MOUNTED MONITORS AND TELEVISIONS. TYPICAL.
- PROVIDE DOOR BELLCHIME SYSTEM PER DETAIL 4/E502.
- VVT BOX BY DIVISION 23. PROVIDE 3#12 AWG IN 2" C FROM JUNCTION BOX NOTED IN KEYNOTE #6 TO BOX FOR FINAL TERMINATIONS BY DIVISION 23. TYPICAL.
- PROVIDE 120 VOLT CIRCUIT TO 75 VA TRANSFORMER PROVIDED BY DIVISION 23 FOR VVT BOX CONTROL.
- PROVIDE WIRING AS REQUIRED BY SPLIT SYSTEM MANUFACTURER FROM INDOOR UNIT TO OUTDOOR UNIT.

**RATED PARTITION LEGEND**

1-HR RATED PARTITION - - - - -





GENERAL NOTES:

- 1. ALL EXTERIOR FEEDERS SHALL BE CONCRETE ENCASED PER DETAIL 01E101.
2. PROVIDE SERVICE ENTRANCE GROUNDING PER DETAIL SHEET E503.
3. THE CONTRACTOR SHALL PROVIDE INSTALLED FEEDER LENGTHS TO THE DESIGNER FOR ARC-FAULT CALCULATION PURPOSES.
4. PROVIDE LABELING OF ALL PV-RELATED CONDUIT SYSTEMS AS REQUIRED BY NEC 690.

PV SYSTEM NOTES:

- 1. PV SYSTEM SHALL BE PROVIDED AS ADD ALTERNATE #2. ADD ALTERNATE PRICING SHALL INCLUDE ROOF MOUNTED PANELS, INVERTERS, COMBINER BOXES, EXTERIOR DISCONNECTS, PANEL PV AND ALL OTHER MINOR EQUIPMENT RELATED TO THE PV SYSTEM. PROVIDE PRICING ON BID FORM AS INDICATED. ALTERNATE #3 IS A PREFERRED MANUFACTURER ALTERNATE RELATED TO PV. REFERENCE PROJECT MANUAL FOR ADDITIONAL INFORMATION.
2. AS PART OF BASE BID, PROVIDE ALL CONDUIT FOR THE ADDITION OF A FUTURE PV SYSTEM AT A LATER DATE. THIS SHALL INCLUDE 4" CT TO THE PROPOSED INVERTER LOCATIONS, AS WELL AS 1-2" FROM THE 2ND FLOOR MECH ROOM PV PANEL LOCATION TO THE MDP AS WELL AS ANY UNDERGROUND CONDUITS FROM THE PV DISCONNECT ON THE EXTERIOR OF THE BUILDING TO THE PROPOSED LOCATION OF PANELS PV AND MDP.

NOTES KEYED TO 1/E400:

- 1 DUKE PROGRESS TRANSFORMER AND PAD.
2 300 KW DIESEL GENERATOR AND PAD.
3 PROVIDE SCADA DEMARC PER DETAILS SHEET E102 AND E103.
4 PROVIDE SCADA RTU PER DETAILS SHEET E102 AND E103.
5 INPUT/OUTPUT WIRING FROM SCADA TO GENERATOR, ATS AND POWER PANELS.
6 SERVICE ENTRANCE LISTED 100% RATED BREAKER-GENERATOR OUTPUT.
7 SERVICE ENTRANCE LISTED 100% RATED BREAKER-UTILITY.
8 PV SYSTEM LOAD BREAK FUSIBLE DISCONNECT CAPABLE OF BEING LOCKED IN THE OPEN POSITION. (DUKE POWER REQUIRED DISCONNECT).
9 800 AMPERE 3-POLE, SOLID NEUTRAL 208Y120 VOLT AUTOMATIC TRANSFER SWITCH.
10 PROVIDE SURGE SUPPRESSION ON PANELS INDICATED. TYPICAL TWO (2) LOCATIONS.
11 CODE SIZED NEMA 4X GUTTER, TAP SERVICE LATERAL WITH PV WIRING PER NEC 705.
12 PROVIDE WIRING FROM INVERTERS TO PANEL PER PANEL SCHEDULE.
13 17.3 kVA 3-PHASE INVERTER, TYPICAL OF TWO (2).
14 PROVIDE CONDUIT AND WIRE FROM ROOF MOUNTED PANELS PER SHEET E214. TYPICAL.
15 NOT USED.
16 #2/0 AWG TO GND LOOP AROUND GENERATOR PAD.
17 800 AMPERE DUKE APPROVED CT CABINET AND METER BASE.
18 DUKE APPROVED METER BASE.
19 PROVIDE CTs, PTs, ETC (BY SOLAR VENDORS) AND 1-2" WITH WIRING FROM MDP TO SOLAR INVERTERS ON 2ND FLOOR FOR BUILDING CONSUMPTION MONITORING.

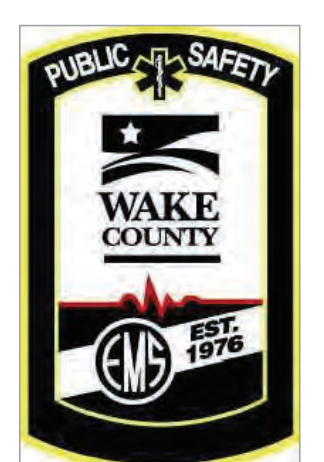
GND CONDUCTORS

Table with columns: SERVICE SIZE, WIRE SIZE. Rows include 60EGC #6, 1" C; 100EGC #6, 1" C; 200EGC #4, 1.25" C; 225EGC #2, 1.25" C; 400EGC #1/0, 1.5" C; 600EGC #2/0, 1.5" C; 800EGC #2/0, 1.5" C.

Table with columns: SERVICE FEEDERS, AMPERE SIZE, WIRE SIZE. Rows include 200A 4#3/0 2" C; 225A 4#4/0 2 1/2" C; 250A 4-250 MCM 2 1/2" C; 300A 4-350 MCM GND 3" C; 400A 4-500 MCM 3 1/2" C; 500A 2 SETS 4-250 MCM 2 1/2" C; 600A 2 SETS 4-350 MCM 3" C; 800A 3 SETS 4-300 MCM 3 1/2" C.

Table with columns: 4-WIRE FEEDERS, AMPERE SIZE, WIRE SIZE. Rows include 60A4 4#6, #10 GND 1" C; 100A41 4#8, #8 GND 1 1/4" C; 100A42 3#3, #2/0N, #8 GND, #8 IG 1 1/4" C; 125A4 4#2, #6 GND 1 1/4" C; 150A4 4#1/0, #6 GND 1 1/2" C; 175A4 4#2/0, #6 GND 2" C; 200A4 4#3/0, #4 BOND JUMPER 2" C; 200A4B1 4#3/0, #4 GND 2 1/2" C; 225A41 4#4/0, #4 GND 2 1/2" C; 225A42 4#4/0, #2 GND 2 1/2" C; 225A43 3#4/0, 2#4/0N, #2 GND, #2 IG 2 1/2" C; 225A44 3#4/0, 2#4/0N, #4 GND, #4 IG 2 1/2" C; 250A45 4-250 MCM, #4 GND 2 1/2" C; 300A4 4-350 MCM, #3 GND 3" C; 400A41 4-500 MCM, #2 GND 3 1/2" C; 400A42 4-500 MCM, #1/0 GND 3 1/2" C; 400A43 3-500 MCM, 2# 500 MCM N, #1/0 GND 4" C; 800A4 3 SETS 4-300 MCM, #2/0 GND 3 1/2" C; 800A4B1 3 SETS 4-300 MCM, #2/0 BOND JUMPER 3 1/2" C.

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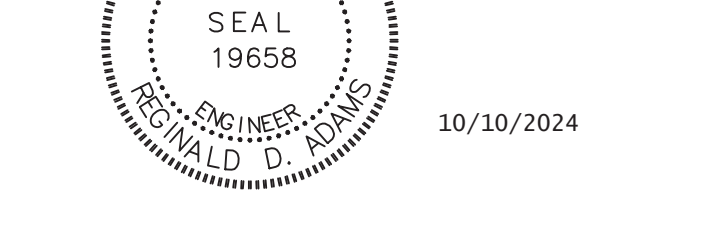
ELECTRICAL RISER NO SCALE 2

CARY MAIN EMS STATION

819 Kildaire Farm Road Cary, NC

Development Plan #23-DP-4187

Designed by Mr. Reginald D. Adams



RFB#24-086

ELECTRICAL RISER AND SCHEDULES

DATE: 10.07.24
REVISION: 21046

NO. DATE DESCRIPTION:
10/11/2024 ADDENDUM #1 - PERMIT COMMENTS

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SHEET NUMBER E400

PANEL SCHEDULES NO SCALE 1

NEW PANEL "MDP" table with columns: LOAD SERVED, TRIP, POLE, WIRE, GND, COND, WVA, WVA PER PHASE, MCB or MLO, MOUNTING, MLO SURFACE, LOAD SERVED, OMT. Includes summary table with totals: 100.81 #BARS, \$4.4.

NEW PANEL "P1" table with columns: LOAD SERVED, TRIP, POLE, WIRE, GND, COND, WVA, WVA PER PHASE, MCB or MLO, MOUNTING, MLO SURFACE, LOAD SERVED, OMT. Includes summary table with totals: 20.74 27.31 26.31.

NEW PANEL "P2" table with columns: LOAD SERVED, TRIP, POLE, WIRE, GND, COND, WVA, WVA PER PHASE, MCB or MLO, MOUNTING, MLO SURFACE, LOAD SERVED, OMT. Includes summary table with totals: 20.32 27.72 23.35.

NEW PANEL "EVCS" table with columns: LOAD SERVED, TRIP, POLE, WIRE, GND, COND, WVA, WVA PER PHASE, MCB or MLO, MOUNTING, MLO SURFACE, LOAD SERVED, OMT. Includes summary table with totals: 7.68 3.84 4.82.

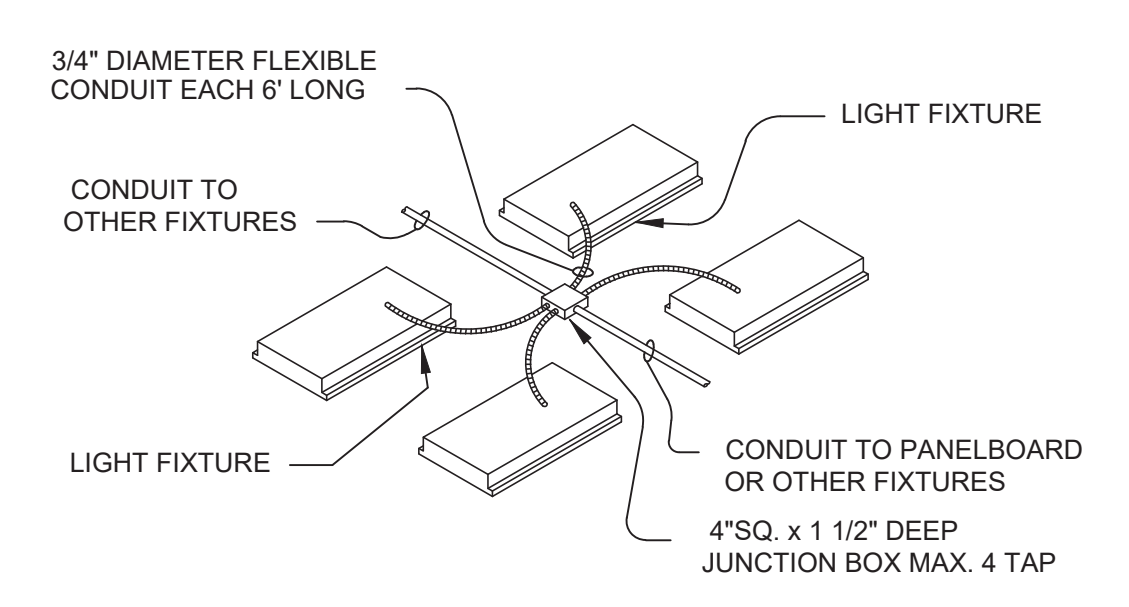
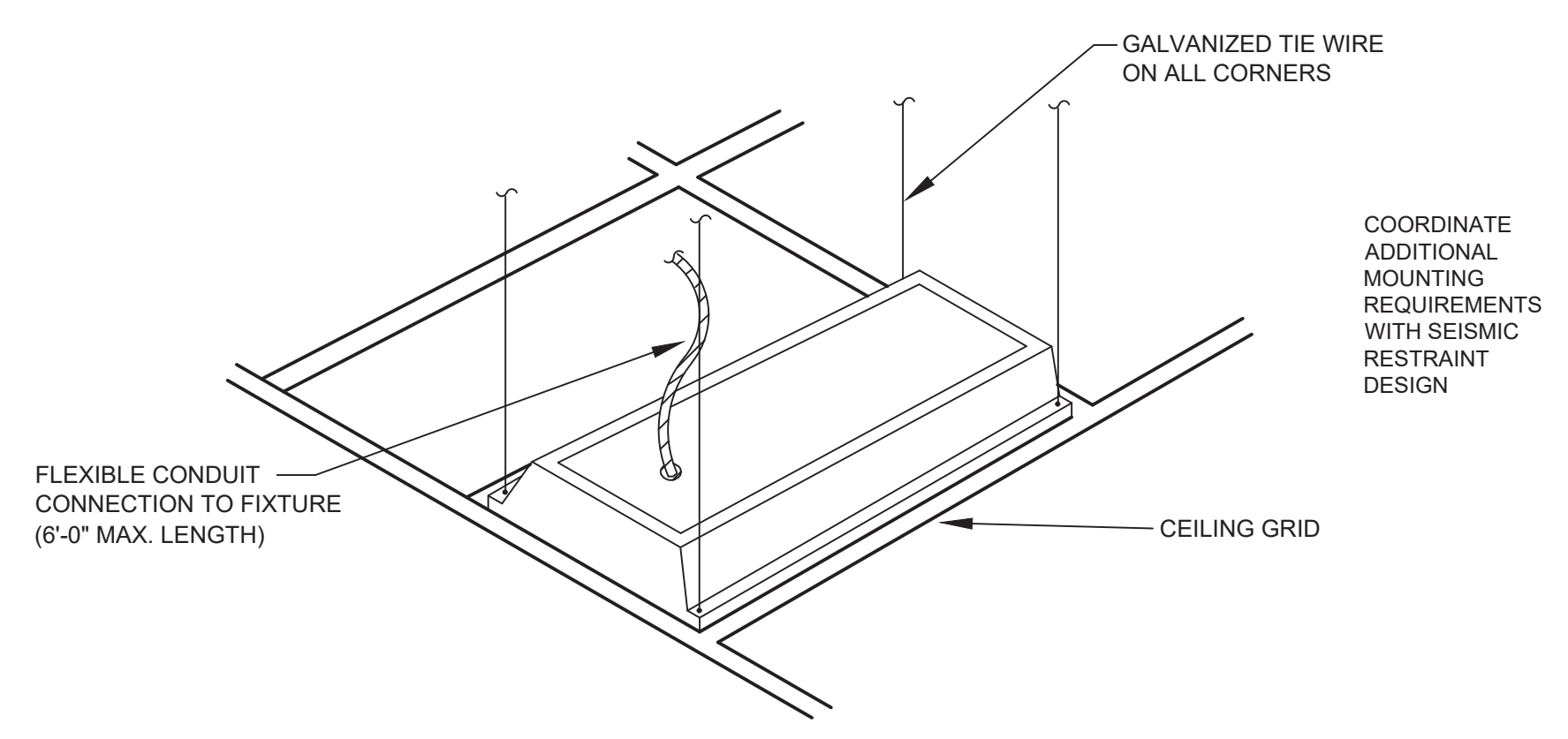
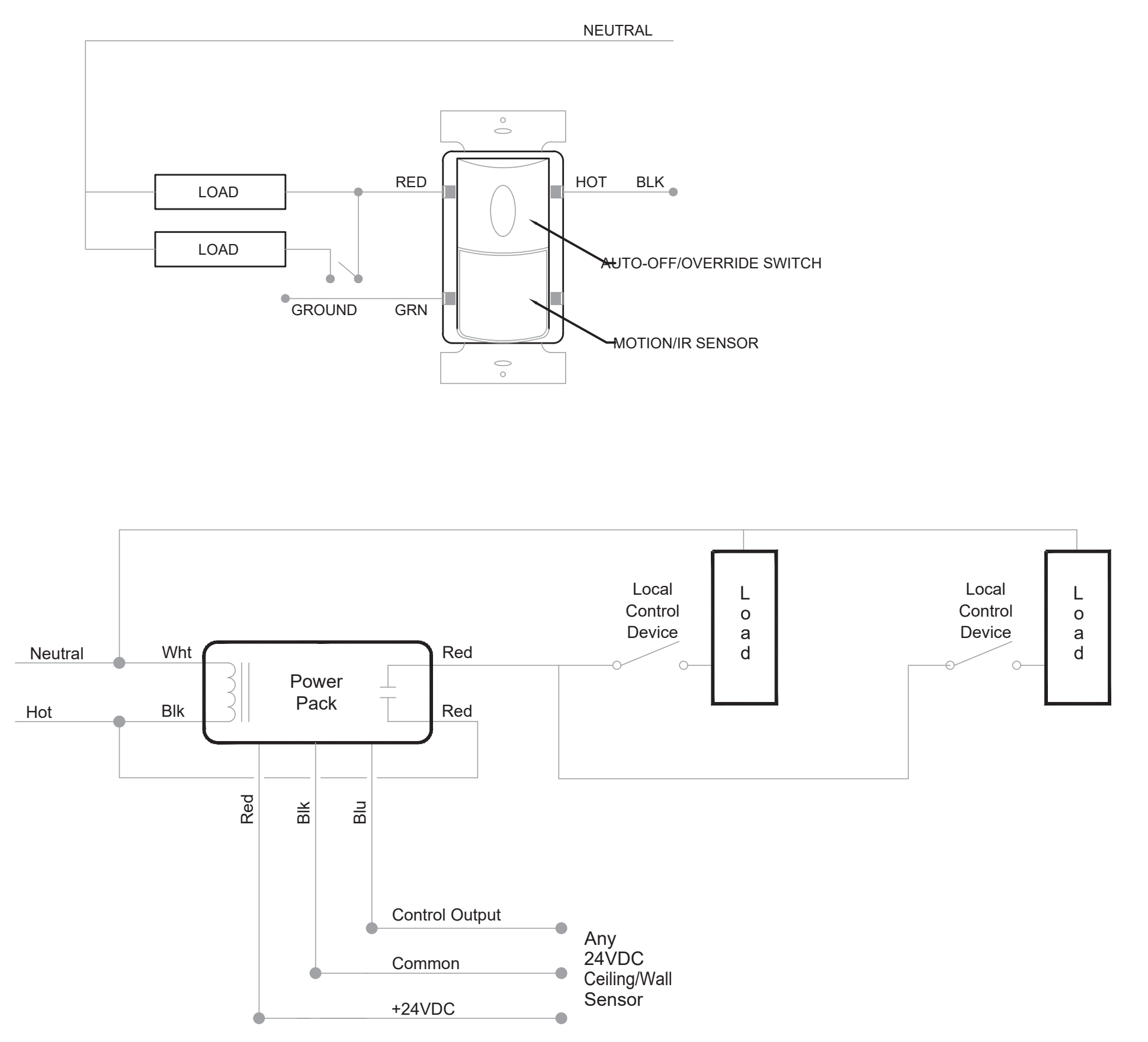
NEW PANEL "MECH" table with columns: LOAD SERVED, TRIP, POLE, WIRE, GND, COND, WVA, WVA PER PHASE, MCB or MLO, MOUNTING, MLO SURFACE, LOAD SERVED, OMT. Includes summary table with totals: 22.75 23.31 23.46.

NEW PANEL "P1A" table with columns: LOAD SERVED, TRIP, POLE, WIRE, GND, COND, WVA, WVA PER PHASE, MCB or MLO, MOUNTING, MLO SURFACE, LOAD SERVED, OMT. Includes summary table with totals: 11.81 10.58 9.46.

NEW PANEL "P1V" table with columns: LOAD SERVED, TRIP, POLE, WIRE, GND, COND, WVA, WVA PER PHASE, MCB or MLO, MOUNTING, MLO SURFACE, LOAD SERVED, OMT. Includes summary table with totals: 0.00 0.00 0.00.



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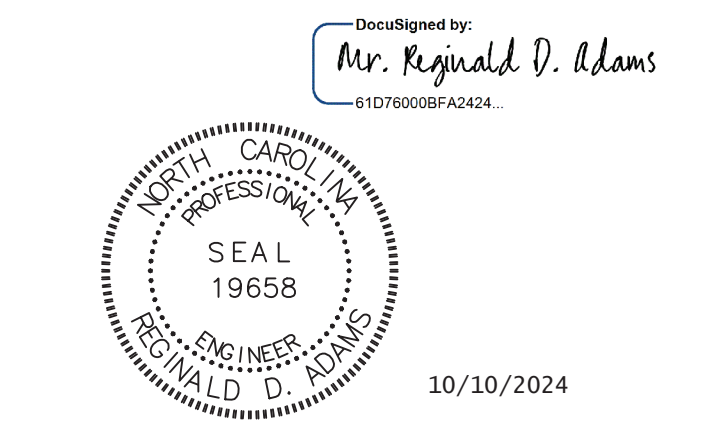


MISC. LIGHTING DETAILS NO SCALE 2

**CARY MAIN  
EMS STATION**

819 Kildaire Farm Road  
Cary, NC

Development Plan  
#23-DP-4187



RFB#24-086

**ELECTRICAL  
DETAILS**

DATE: 10.07.24  
PROJECT NO: 21046

REVISIONS	
NO.	DESCRIPTION
Δ 10/11/2024	ADDENDUM #1 - PERMIT COMMENTS

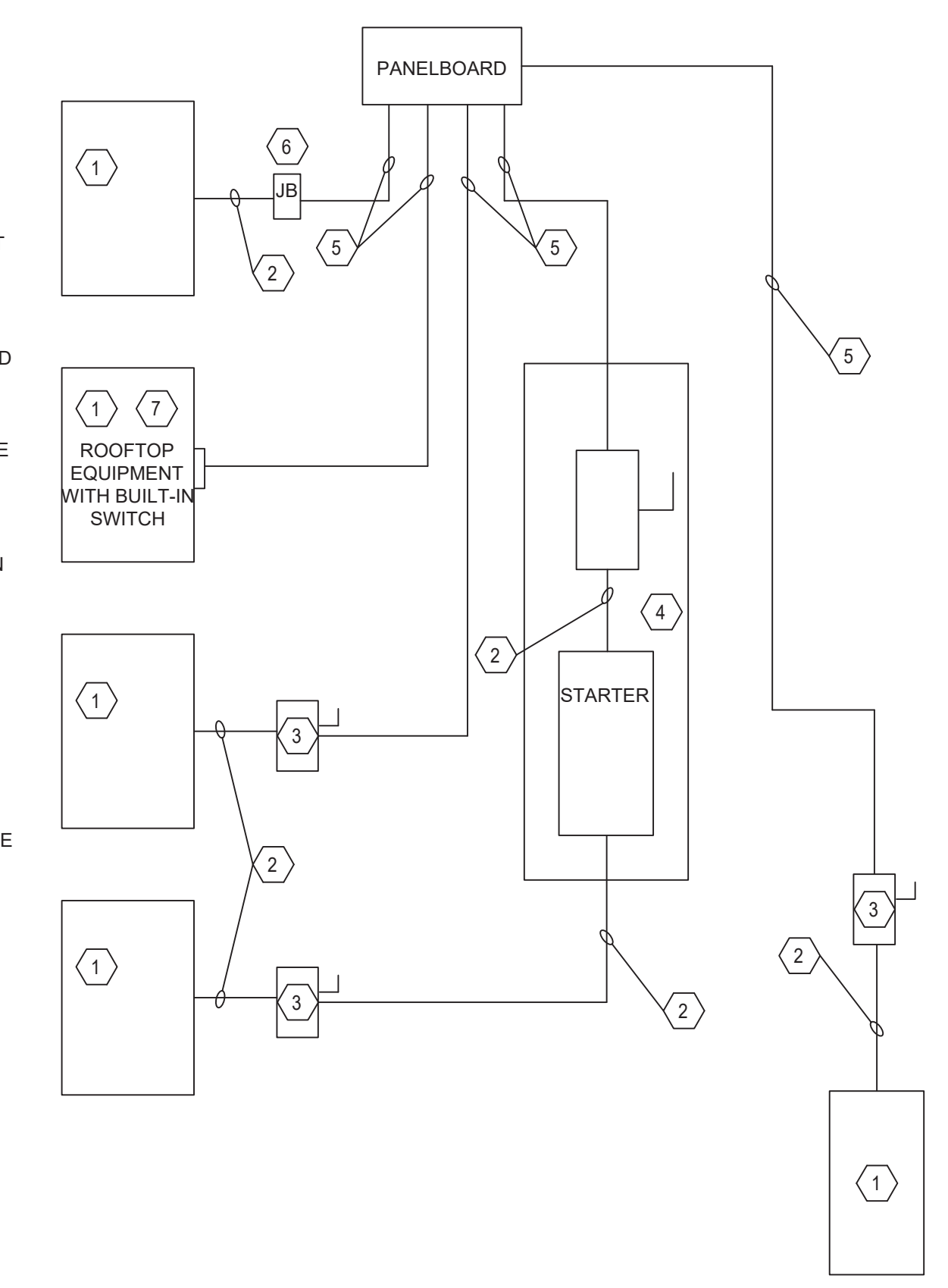
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SHEET NUMBER

**E501**

**KEYED NOTES:**

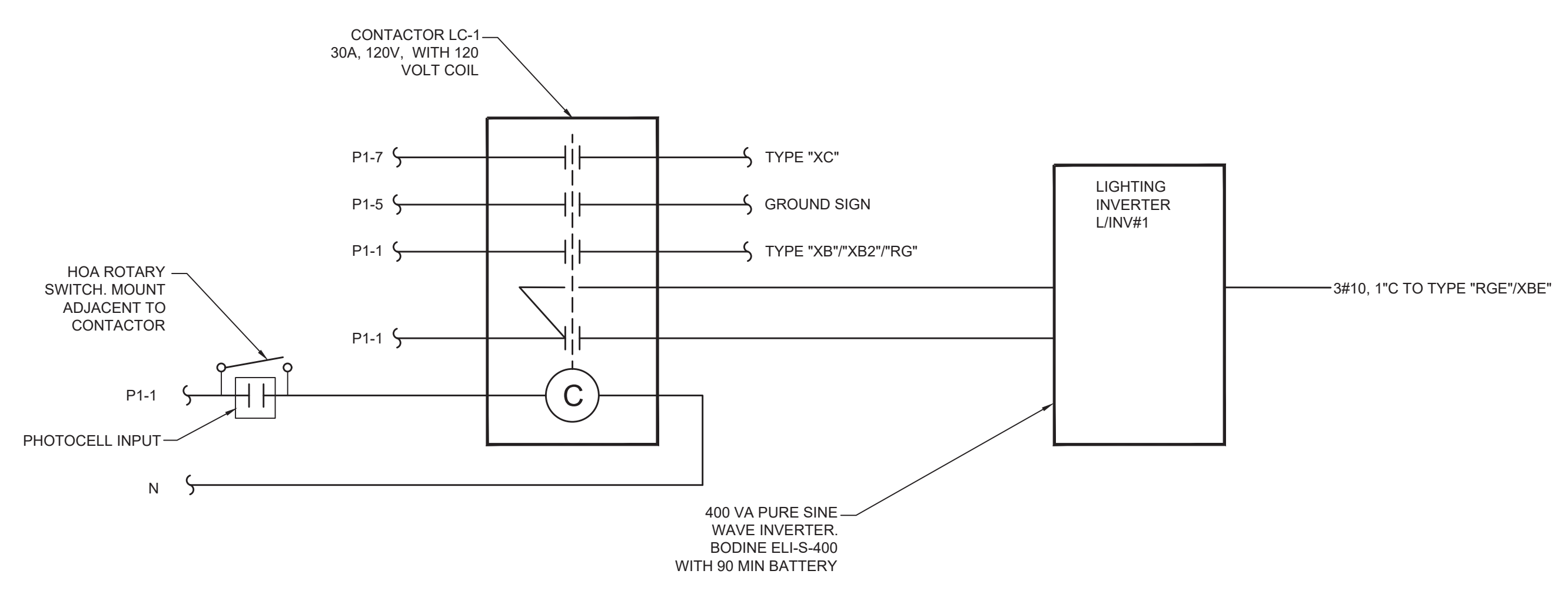
- 1 EQUIPMENT OF TRADES OTHER THAN ELECTRICAL.
- 2 CONDUIT & WIRING BY HVAC, PLUMBING CONTRACTOR OR OTHER TRADES. IN ALL CASES THE EQUIPMENT CONTRACTOR SHALL MAKE FINAL CONNECTIONS, START UP, AND TEST EQUIPMENT.
- 3 IF AN ADDITIONAL DISCONNECT IS REQUIRED BY NEC, IT SHALL BE PROVIDED AND INSTALLED BY THE EQUIPMENT CONTRACTOR.
- 4 A COMBINATION STARTER OR VFD MAY BE USED IN LIEU OF A SEPARATE DISCONNECT SWITCH AND STARTER LOCATED ADJACENT TO EQUIPMENT.
- 5 FEEDER CIRCUIT WIRING AND CONDUIT IN ELECTRICAL WORK. SEE PANELBOARD SCHEDULES FOR WIRE AND BREAKER SIZES.
- 6 JUNCTION BOX MAY BE SHOWN ON ELECTRICAL PLANS FOR SOME EQUIPMENT. IF NO STARTER OR DISCONNECT IS SUPPLIED, A JUNCTION BOX SHALL BE INSTALLED ADJACENT TO EQUIPMENT. THE ELECTRICAL CONTRACTOR SHALL PROVIDE LINE SIDE WIRING TO THE JUNCTION BOX. LOAD SIDE WIRING WILL BE PROVIDED BY MECHANICAL CONTRACTOR OR OTHER TRADES.
- 7 IF THE ROOF TOP EQUIPMENT IS NOT PROVIDED WITH BUILT IN SWITCH, THE ELECTRICAL CONTRACTOR SHALL PROVIDE A DISCONNECT SWITCH.



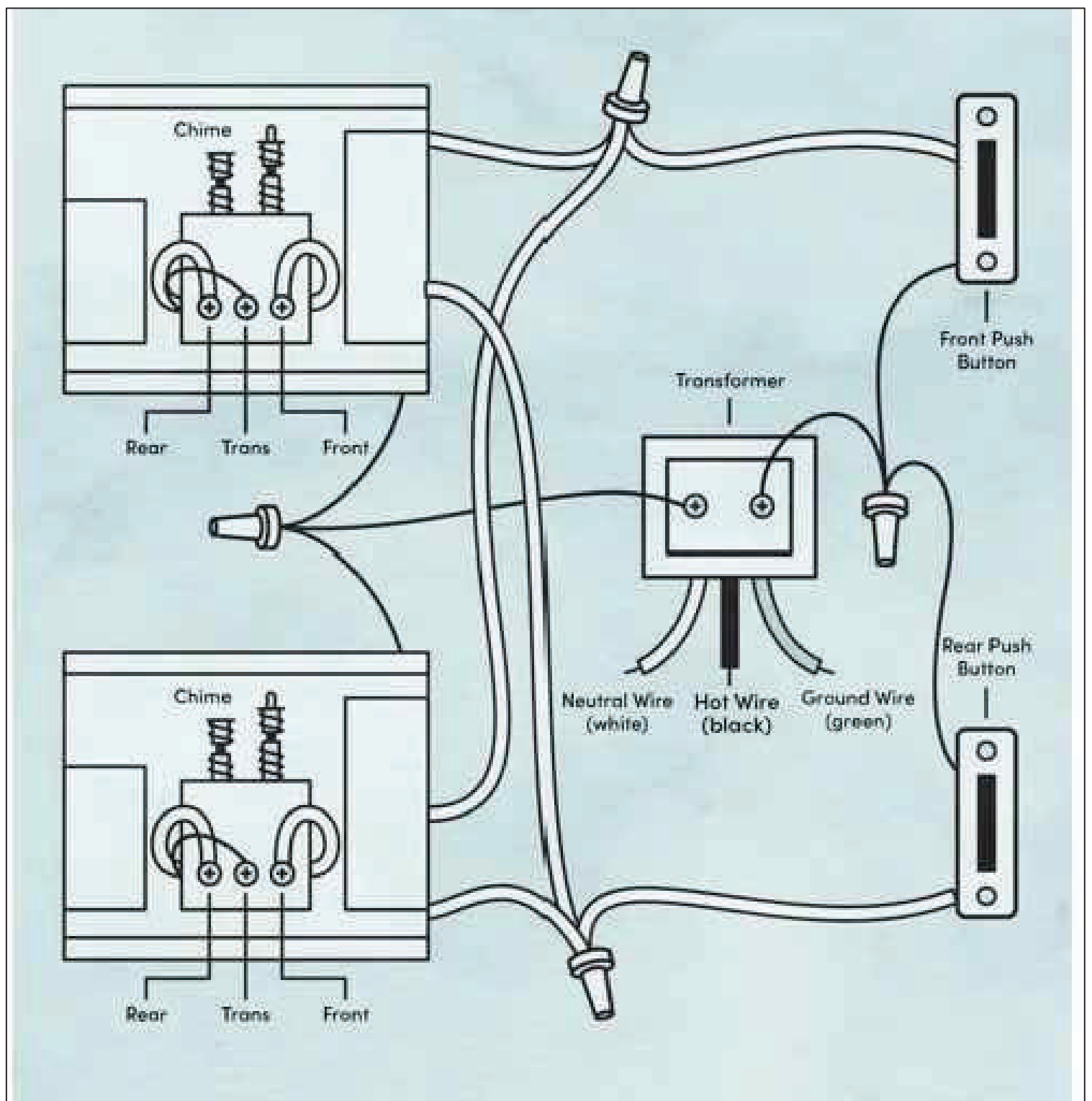
NOTE: DIVISION 23 CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER DIRECTION OF ROTATION FOR ALL THREE PHASE EQUIPMENT.  
NOTE: DIVISION 26 CONTRACTOR SHALL BE RESPONSIBLE FOR LABELING OF ALL DISCONNECTS.

NOTE: ALL FINAL ELECTRICAL CONNECTIONS SHALL BE MADE BY A LICENSED ELECTRICAL CONTRACTOR.

DIVISION OF WORK DETAIL NO SCALE 3

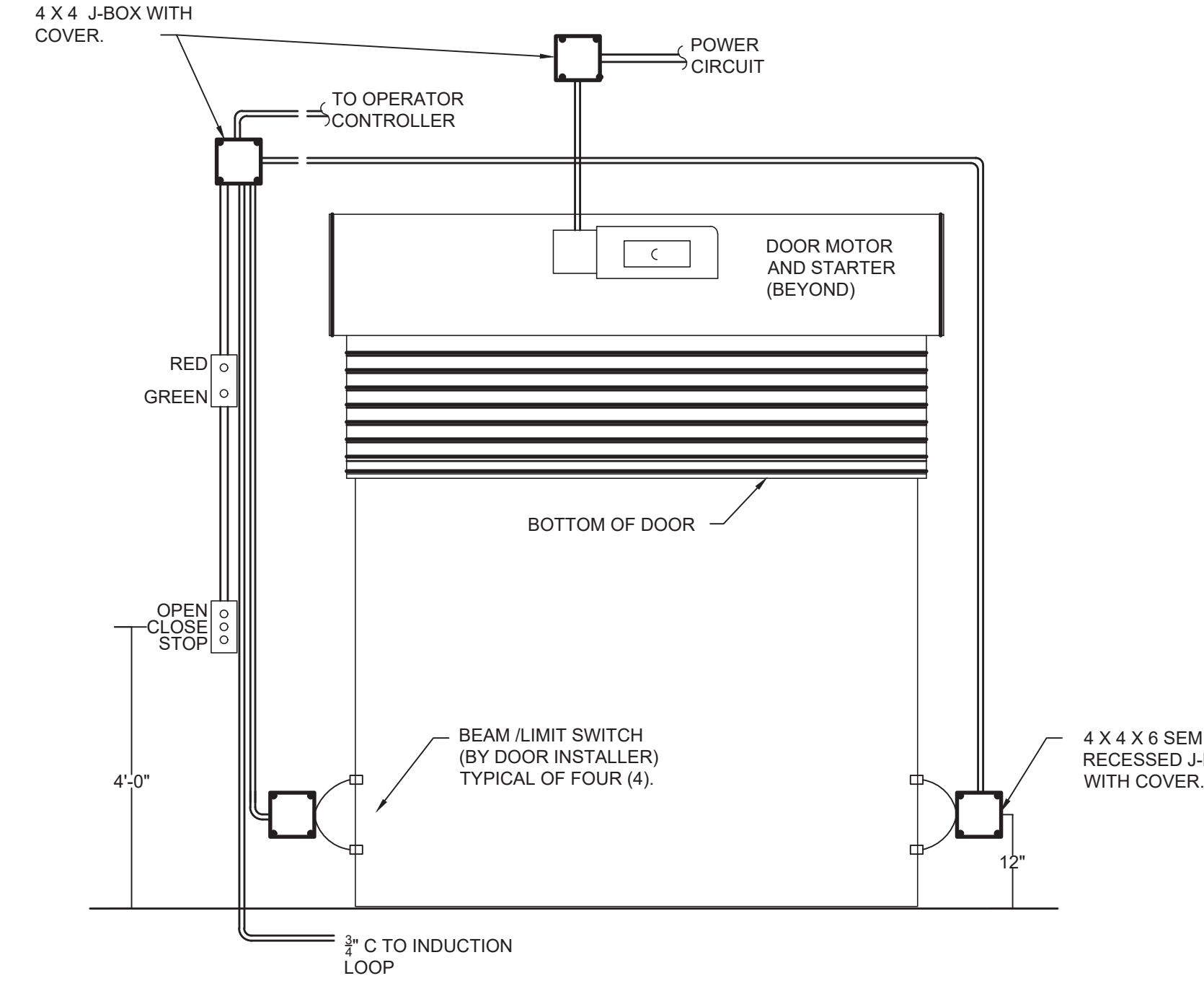


EXTERIOR LIGHTING CONTROL NO SCALE 1

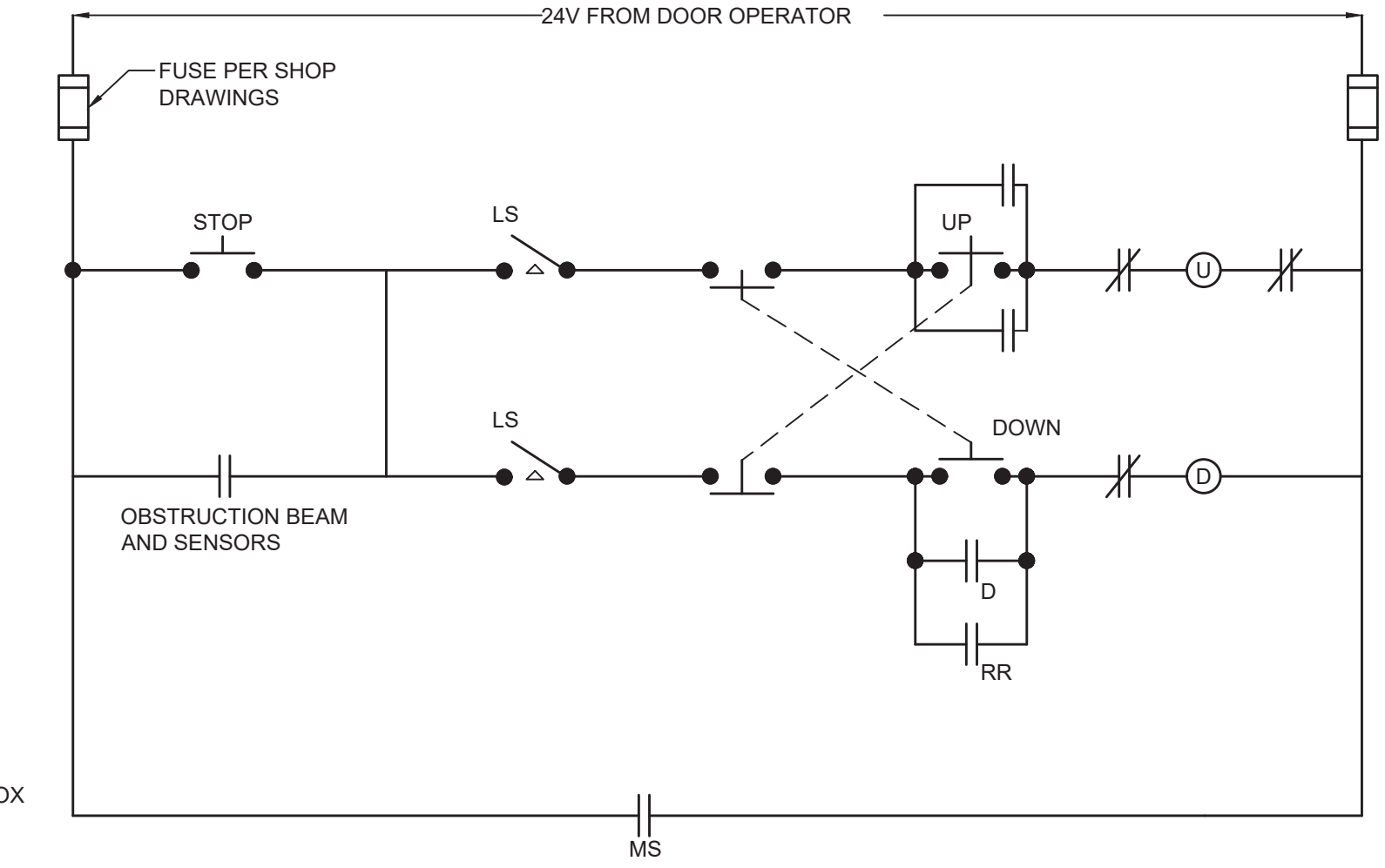


BASIS OF DESIGN FOR CHIME SYSTEM IS NUTONE BK-SERIES. PROVIDE WITH BASIC CHIMES, TRANSFORMERS AND LIGHTED METAL (ROUND) BUTTONS, FINISH TO BE DETERMINED.

CHIME INSTALLATION DETAIL NO SCALE 4

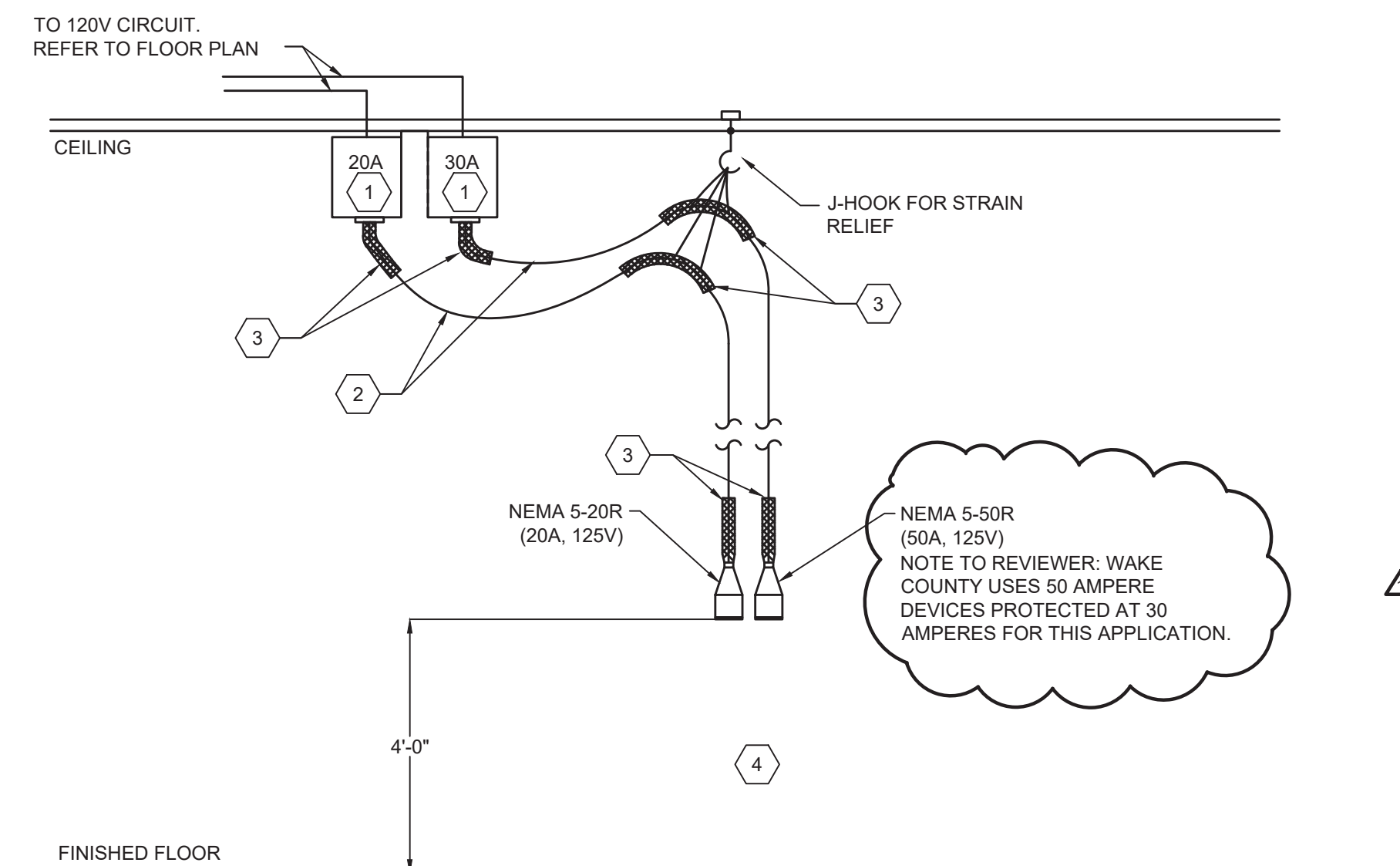


INTERIOR ELEVATION AT DOOR



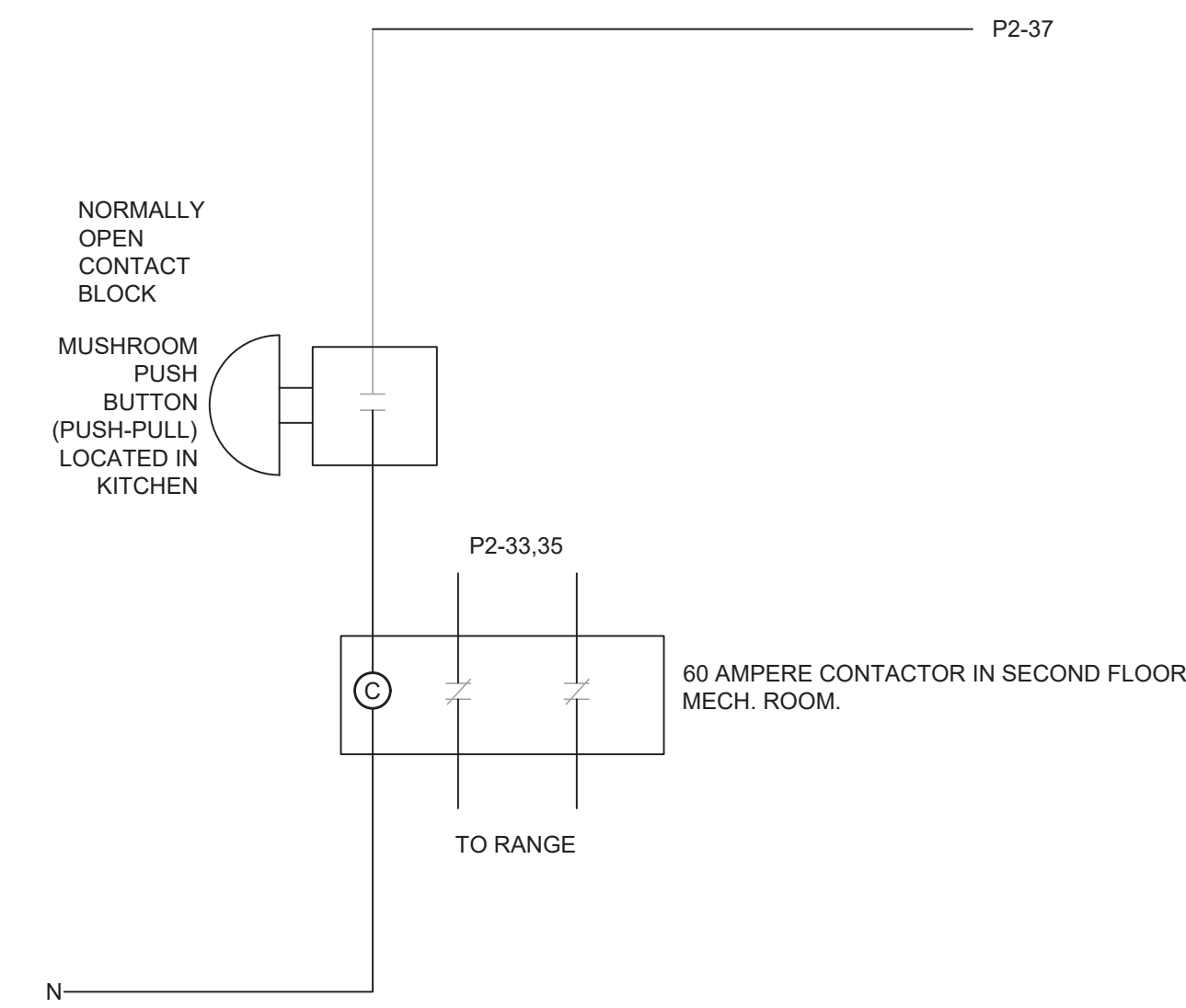
- NOTES:
- OVERHEAD DOORS ARE TO OPERATE FROM LOCAL WALL MOUNTED SWITCHES AND ALSO FROM MOBILE UNITS IN THE TRUCKS.
  - SEE POWER PLANS FOR EXACT QUANTITY OF MOTORS.
  - ONE SYSTEM EACH DOOR.

OH DOOR OPERATOR DETAIL NO SCALE 2



- NOTES KEYED TO DETAIL:
- JUNCTION BOX AT THE CEILING.
  - PROVIDE SO CORD SIZED AS FOLLOWS AND TO A DISTANCE OF 4'-0" ABOVE FINISHED FLOOR WITH A FEMALE PLUG ATTACHMENT AT LOWER END.  
3-#12 SO CORD FOR 20A DROP.  
3-#10 SO CORD FOR 30A DROP.
  - PROVIDE STRAIN RELIEF CORD GRIPS AT EACH OUTLET AND AT CEILING MOUNTED J-HOOK.
  - FOR EACH 20 AMPERE SHORE LINE DROP PROVIDE A 24" 20 AMPERE SO CORD (CORD LENGTH, NOT TOTAL LENGTH) WITH HUBBELL HBL5369C AND HBL5366C CONNECTORS.  
FOR EACH 30 AMPERE SHORE LINE DROP PROVIDE A 24" 30 AMPERE SO CORD (CORD LENGTH, NOT TOTAL LENGTH) WITH HUBBELL HBL7515C AND LAPP 720224FX CONNECTORS.  
CABLES ARE TO BE TURNED OVER TO THE OWNER AT THE END OF THE PROJECT.

SHORELINE INSTALL. DETAIL NO SCALE 3



RANGE/GRILL SHUTDOWN DETAIL NO SCALE 1

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**CARY MAIN  
EMS STATION**

819 Kildaire Farm Road  
Cary, NC

Development Plan  
#23-DP-4187

Designed by  
**Mr. Reginald D. Adams**  
PROFESSIONAL ENGINEER  
SEAL 19658  
REGINALD D. ADAMS  
10/10/2024

RFB#24-086

**ELECTRICAL  
DETAILS**

DATE: 10.07.24  
PROJECT NO: 21046

REVISIONS

NO.	DATE	DESCRIPTION
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SHEET NUMBER

**E502**