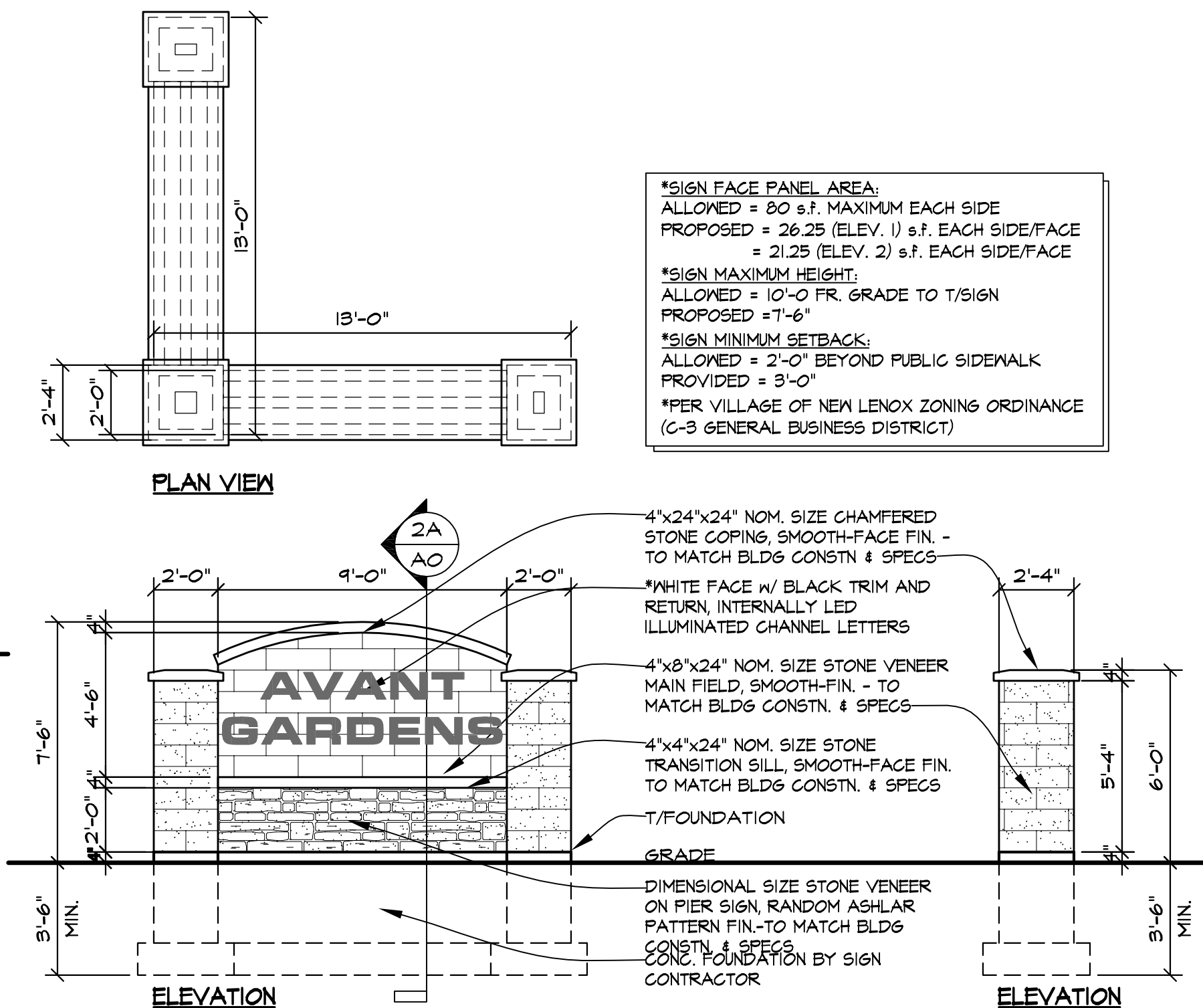
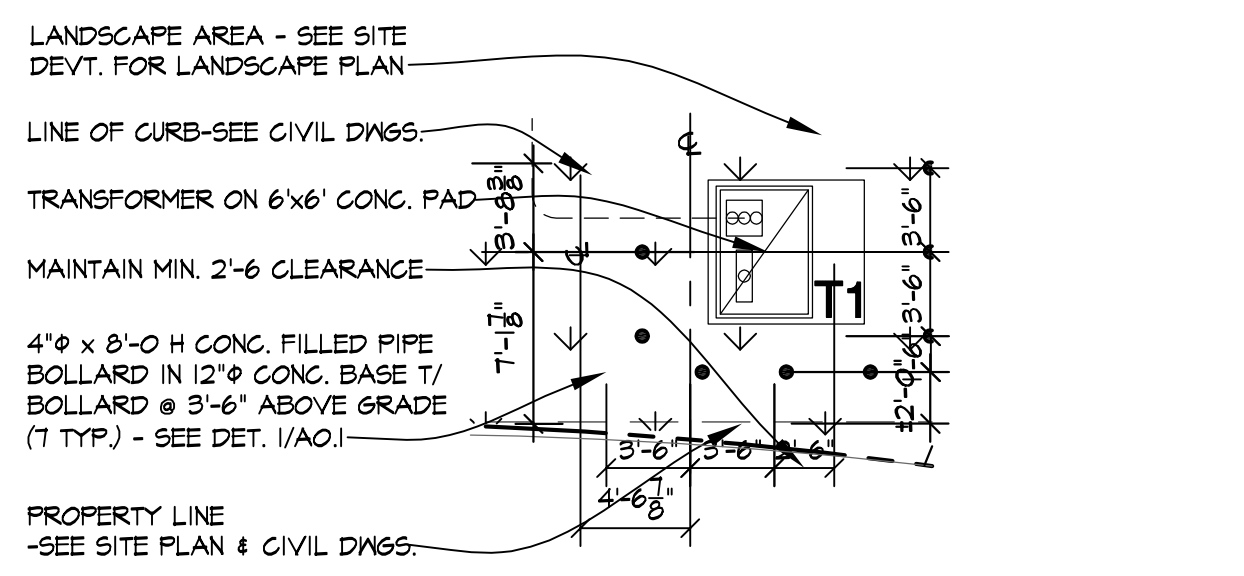


**GROUND SIGN DETAIL SECTION 2A**  
SCALE: 3/4" = 1'-0"

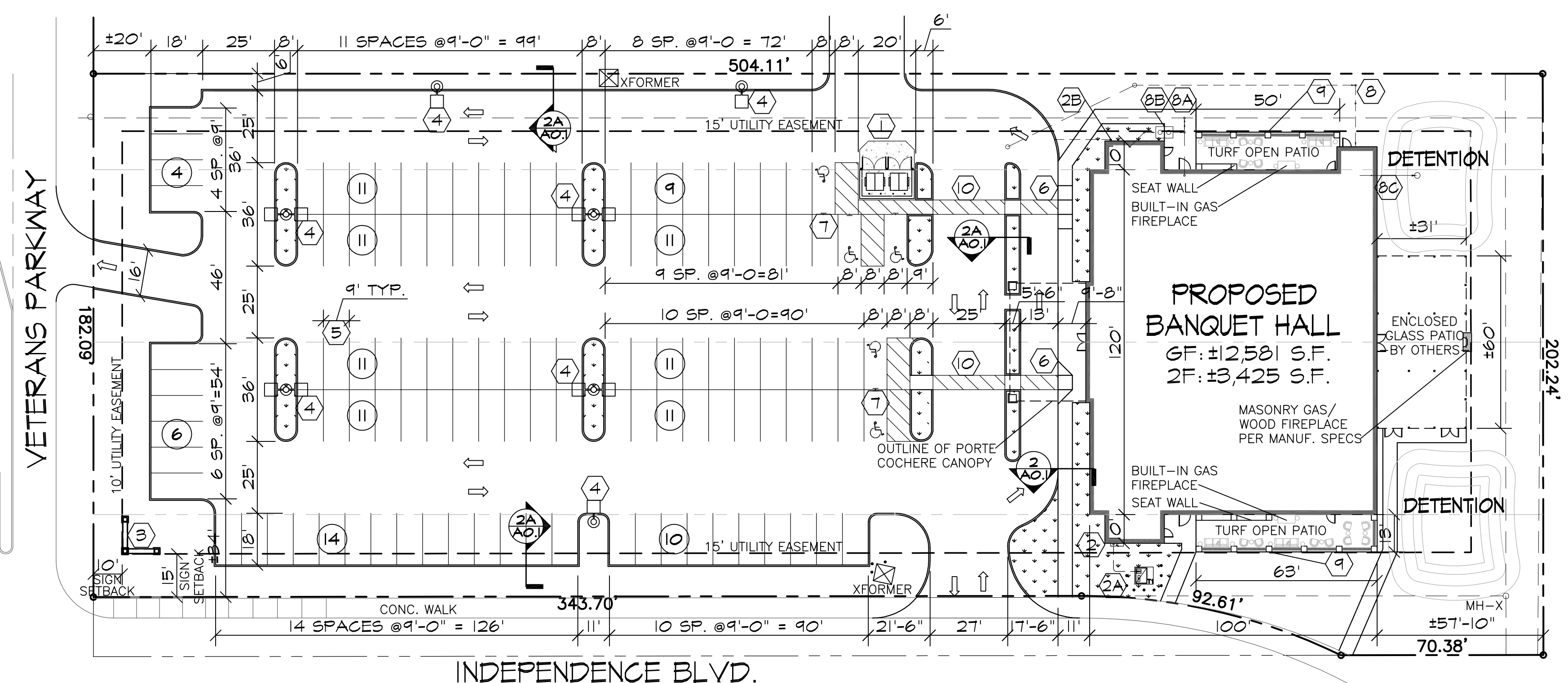


**GROUND SIGN ELEVATION 2**  
SCALE: 1/4" = 1'-0"

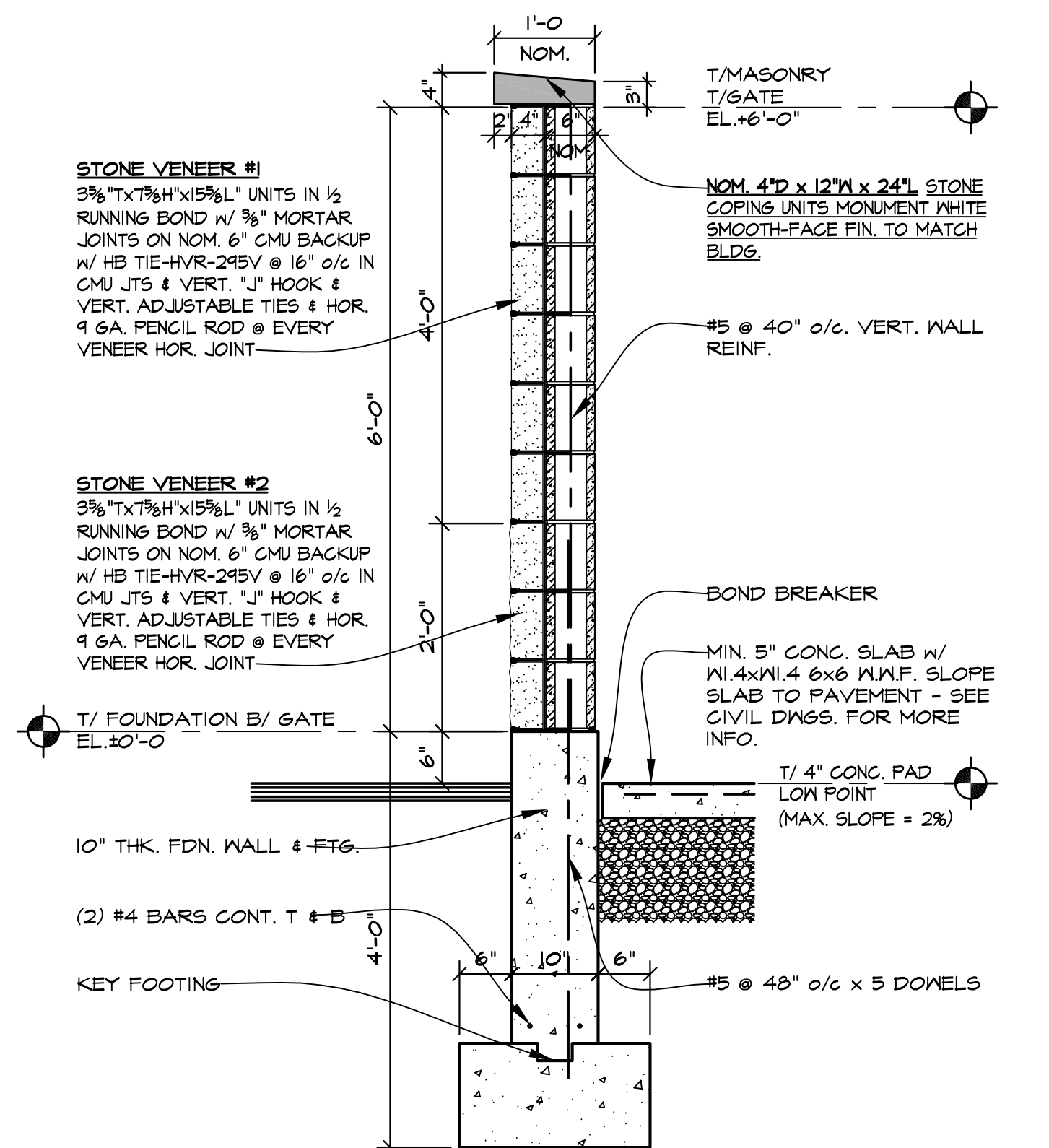


**TRANSFORMER PAD DET. 3**  
SCALE: 1/8" = 1'-0"

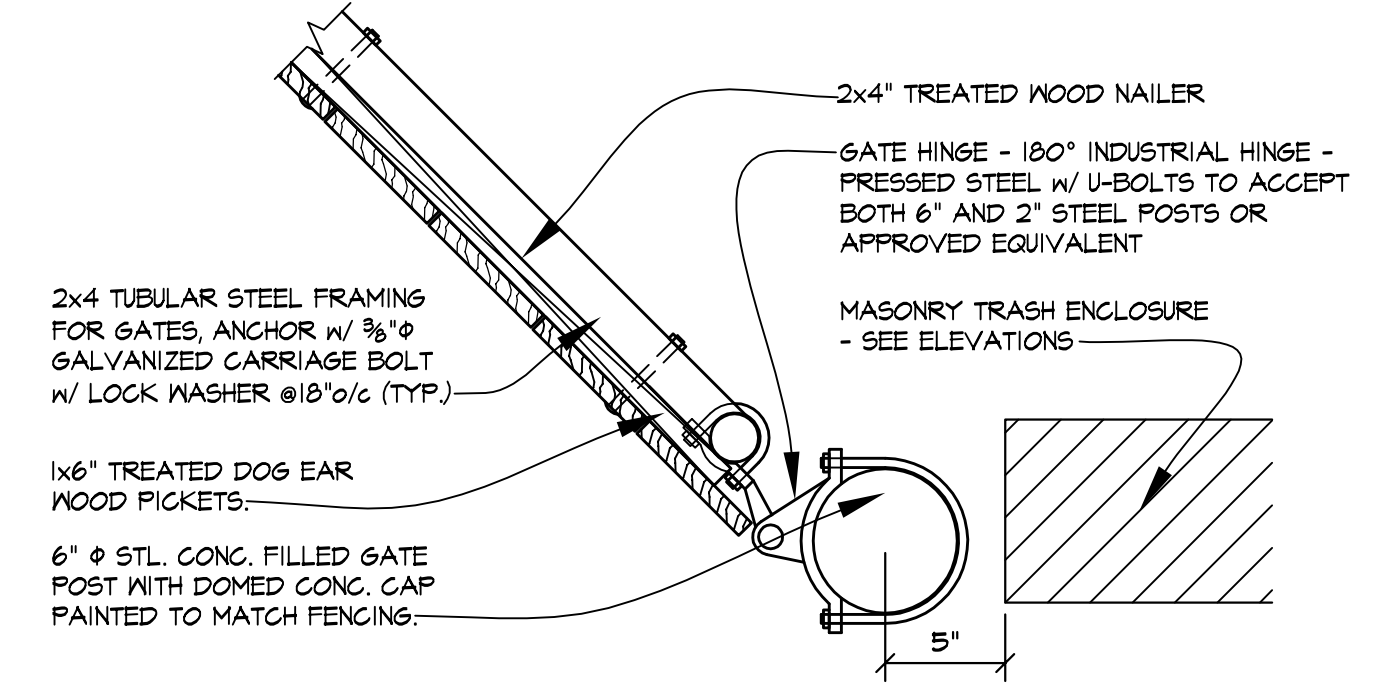
- SITE LEGEND:**
- ① TRASH ENCLOSURE/STORAGE BUILDING MASONRY TO MATCH BLDG COLOR W/ 6" Ø STL. PIPE BOLLARD POST ON 5" THK. REINFORCED CONC. PAD - SEE DET. 1/AO
  - ② BLDG MOUNTED ELECT. POINT OF SERVICE W/ (2) 6" Ø CONC. FILLED STL PIPE BOLLARD POST - SEE DET. 4/AO.1
  - ②A PAD MOUNTED TRANSFORMER - SEE DET. 3/AO & ELECTRICAL DWGS. FOR MORE INFO.
  - ②B GAS METER (COORD. LOCATION W/ GAS CO.) W/ (2) 4" Ø STL PIPE BOLLARD POST - SEE DET. 4/AO.1 & PLUMBING PLAN FOR MORE INFORMATION
  - ③ SIGN BY SIGN CONTRACTOR UNDER SEPARATE PERMIT SUBMISSION. SEE DET. 2/AO
  - ④ SITE LIGHTING - SEE ELECT SITE PHOTOMETRIC DWG. SHT E0.2
  - ⑤ TYP. 9'x18' PARKING STALLS - SEE GENERAL NOTES FOR STRIPING SPECIFICATIONS
  - ⑥ HDPC CURB RAMPS - SEE DET. 5/AO.1 & REFER TO CIVIL DWGS.
  - ⑦ HDPC PRKG. SIGN - SEE DET. 3/AO.1 REFER TO CIVIL DWGS.
  - ⑧ 6" WATER MAIN - SEE CIVIL DWGS. FOR MORE INFO.
  - ⑧A 6" Ø UNDERGRND SANITARY TO S-MHX - SEE CIVIL AND ELECTL SITE DWGS. FOR MORE INFORMATION
  - ⑧B 500 GAL. GREASE INTERCEPTOR - SEE CIVIL DWGS. FOR MORE INFORMATION
  - ⑧C 8" Ø UNDERGRND STORM TO STORM CB4 - SEE CIVIL DWGS. FOR MORE INFORMATION
  - ⑨ TYP. 24"x24"x6"-8" H PIER, 16"x6"-8" H WALL FENCE ON OPEN PATIO TO MATCH BUILDING CONSTRUCTION. SEE DET. 1/AO.1
  - ⑩ CROSS HATCHED - SEE GENERAL NOTES THIS SHEET FOR STRIPING SPECIFICATIONS.



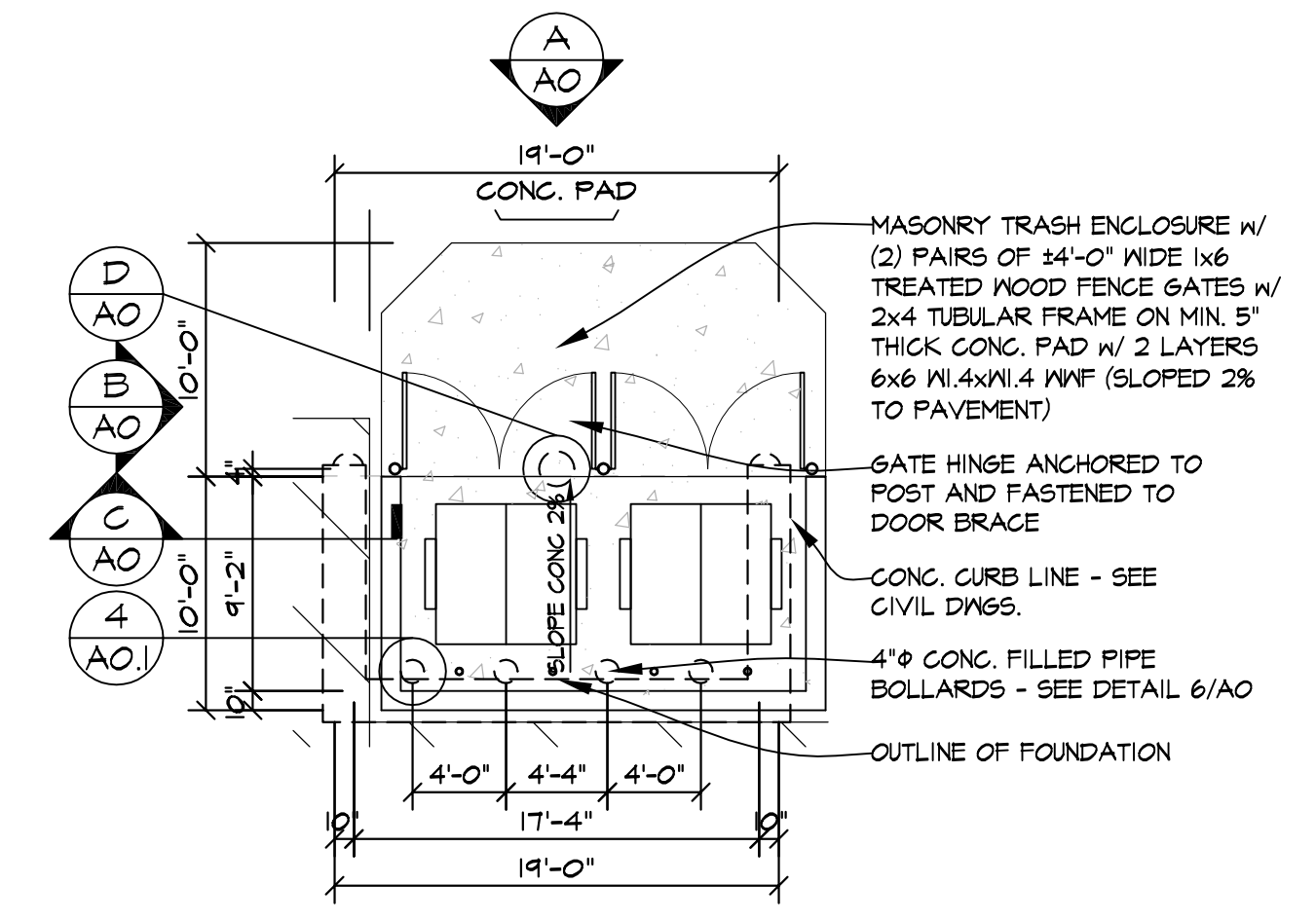
**SITE PLAN**  
SCALE: 1" = 30'-0"



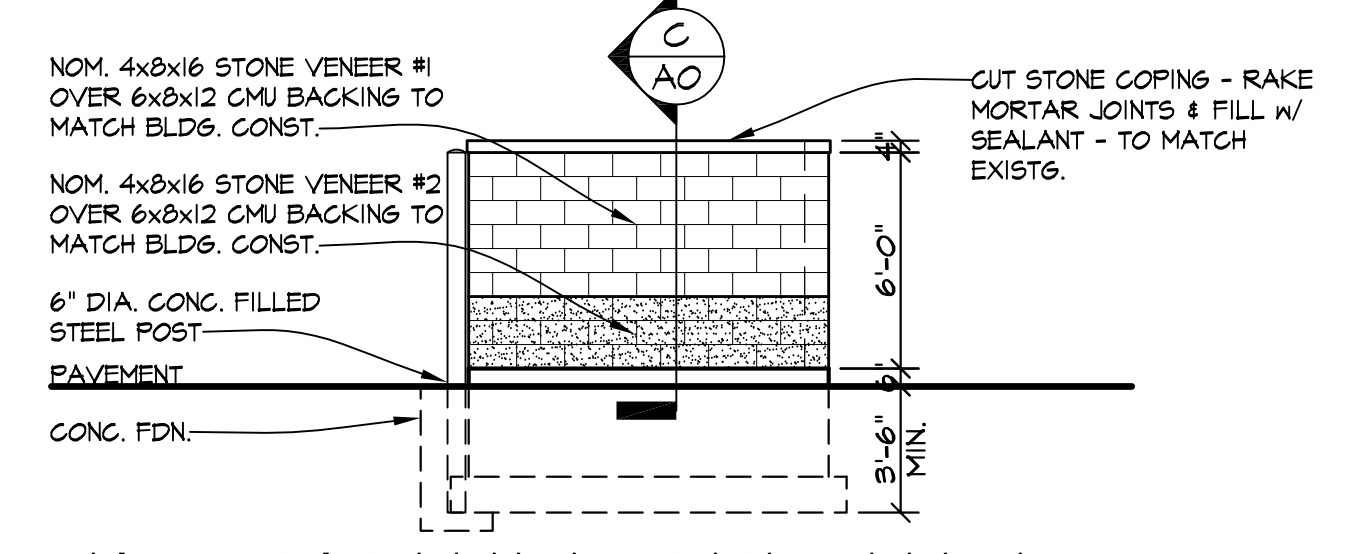
**TRASH WALL ENCLOSURE SECTION C**  
SCALE: 3/4" = 1'-0"



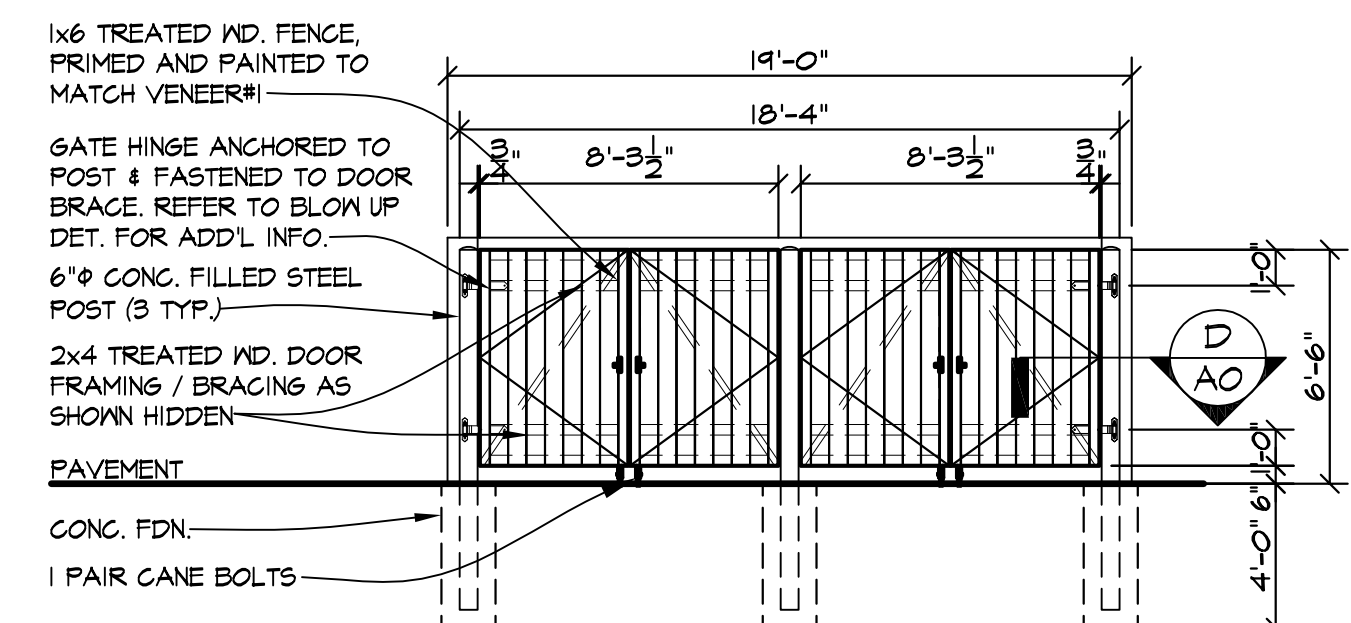
**SECTION @ TRASH GATE POST D**  
SCALE: 1-1/2" = 1'-0"



**TRASH ENCLOSURE COORDINATE W/ CIVIL DRAWINGS, ARCHITECTURAL SITE PLAN 1**  
SCALE: 1/8" = 1'-0"



**MAS. TRASH ENCLOSURES ELEV B**  
SCALE: 3/16" = 1'-0"



**MAS. TRASH ENCLOSURES ELEV A**  
SCALE: 3/16" = 1'-0"

**CONTRACTORS RESPONSIBILITY NOTES**

SIGN CONTRACTOR IS RESPONSIBLE FOR Pylon SIGN FOUNDATION.

PLUMBING CONTRACTOR IS RESPONSIBLE FOR GAS PIPING - SEE MECHANICAL DRAWINGS.

ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY POWER.

**GENERAL SITE NOTES:**

BUILDING LINES, CURBS AND STRIPING TO BE PARALLEL AND/OR PERPENDICULAR TO THE NORTH/SOUTH PROPERTY LINE UNO.

MARKINGS: APPLY PAINTED AISLE AND PARKING STALL STRIPING, CENTERLINE EDGE LINES, ADA HANDICAP SYMBOLS & FIRE LANE CURB STRIPING W/ MECHANICAL EQUIPMENT TO PROVIDE UNIFORM STRAIGHT EDGES. APPLY TWO COATS OF SHERWIN-WILLIAMS TRAFFIC MARKING PAINT AS NOTED BELOW. LINE WIDTH SHALL BE 4" UNLESS OTHERWISE REQUIRED BY LOCAL CODES. AISLE AND PARKING STALL SHALL BE SAFETY YELLOW (SN PROMAR B29Y22 OR SETFAST TM2185) ADA HANDICAP SYMBOL SHALL BE SAFETY BLUE (SN SETFAST TM2183) OR AS REQUIRED BY CODE. FIRE LINE SHALL BE SAFETY RED (SN SETFAST TM2182)

FOR MORE INFORMATION REGARDING THE SITE PLAN, REFER TO CIVIL DRAWINGS BY **JAS & ASSOCIATES** AND SITE ELECTRICAL (LIGHTING) DRAWINGS. FOR CONCRETE FLATWORK AROUND THE BUILDING REFER TO BOTH ARCHITECTURAL DRAWINGS & CIVIL DRAWINGS.

HANDICAPPED PARKING STALLS & ACCESS AISLES TO HAVE MAX. 2% SLOPE IN ANY DIRECTION. ALL OTHER ACCESSIBLE ROUTE SURFACES TO HAVE A MAXIMUM CROSS SLOPE OF 2% (1:50) AND A MAXIMUM RUNNING SLOPE OF 5% (1:20).

**PROPOSED AVANT GARDENS - BANQUET HALL**  
370 VETERANS PARKWAY, NEW LENOX, ILLINOIS  
FOR: UNLIMITED MASONRY AND CONSTRUCTION, INC.

**REVISIONS**

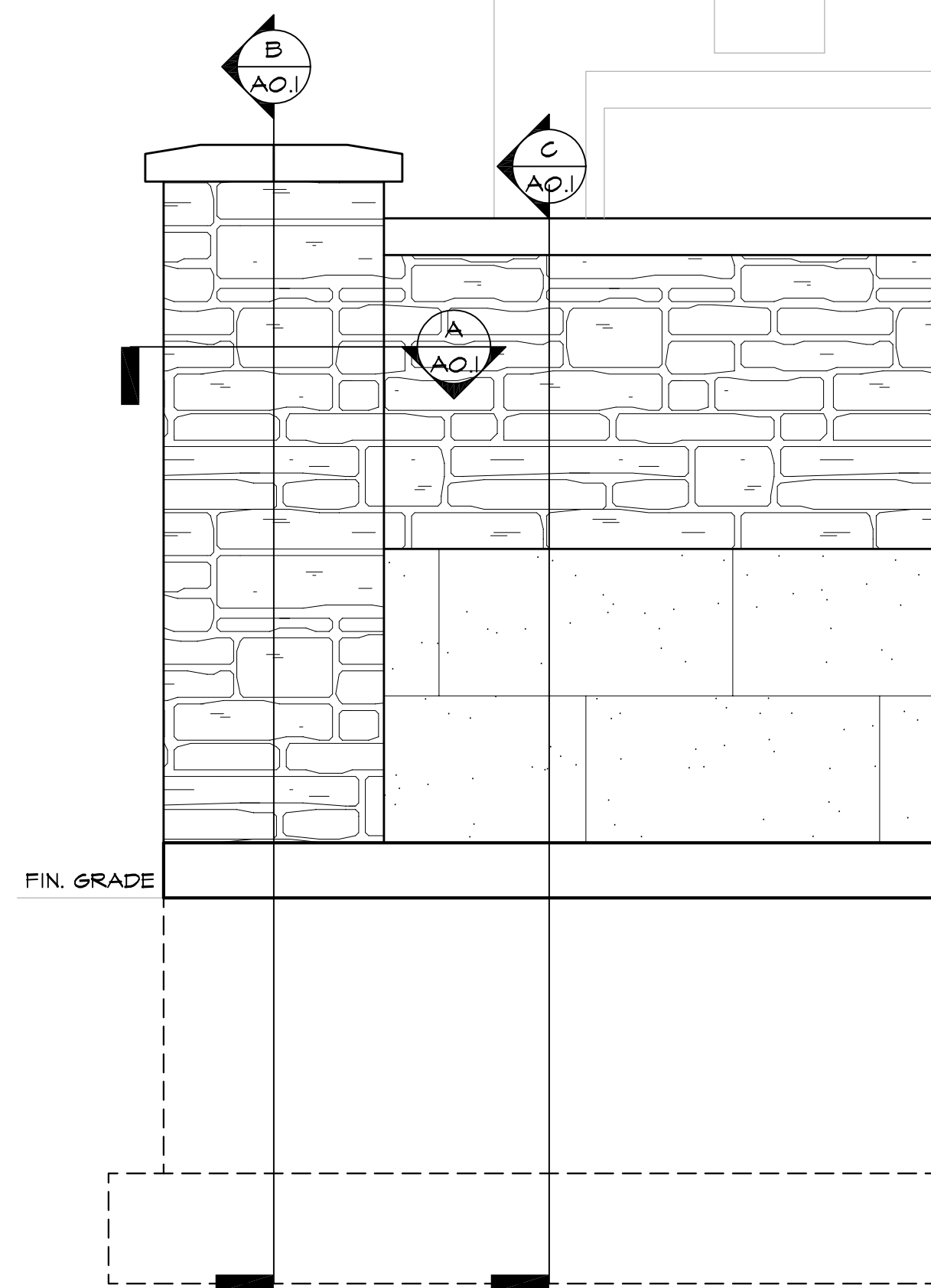
NO.	DATE	DESCRIPTION
1	10/11/2024	FOR COORDINATION
2	10/11/2024	FOR BIDDING
3	10/11/2024	FOR PERMIT
4	10/11/2024	FOR CONTRACTING
5	10/11/2024	NOT FOR CONSTRUCTION

**KMA & ASSOCIATES, ARCHITECTS**  
2205 LAKESIDE DRIVE  
BANNOCKBURN, ILLINOIS 60015-1265  
(847)945-6869 FAX (847)945-0284

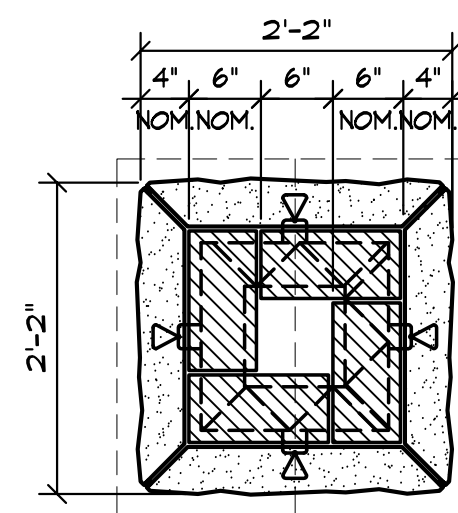
**SHEET TITLE**  
SITE PLAN, DETAILS & NOTES

**2428**

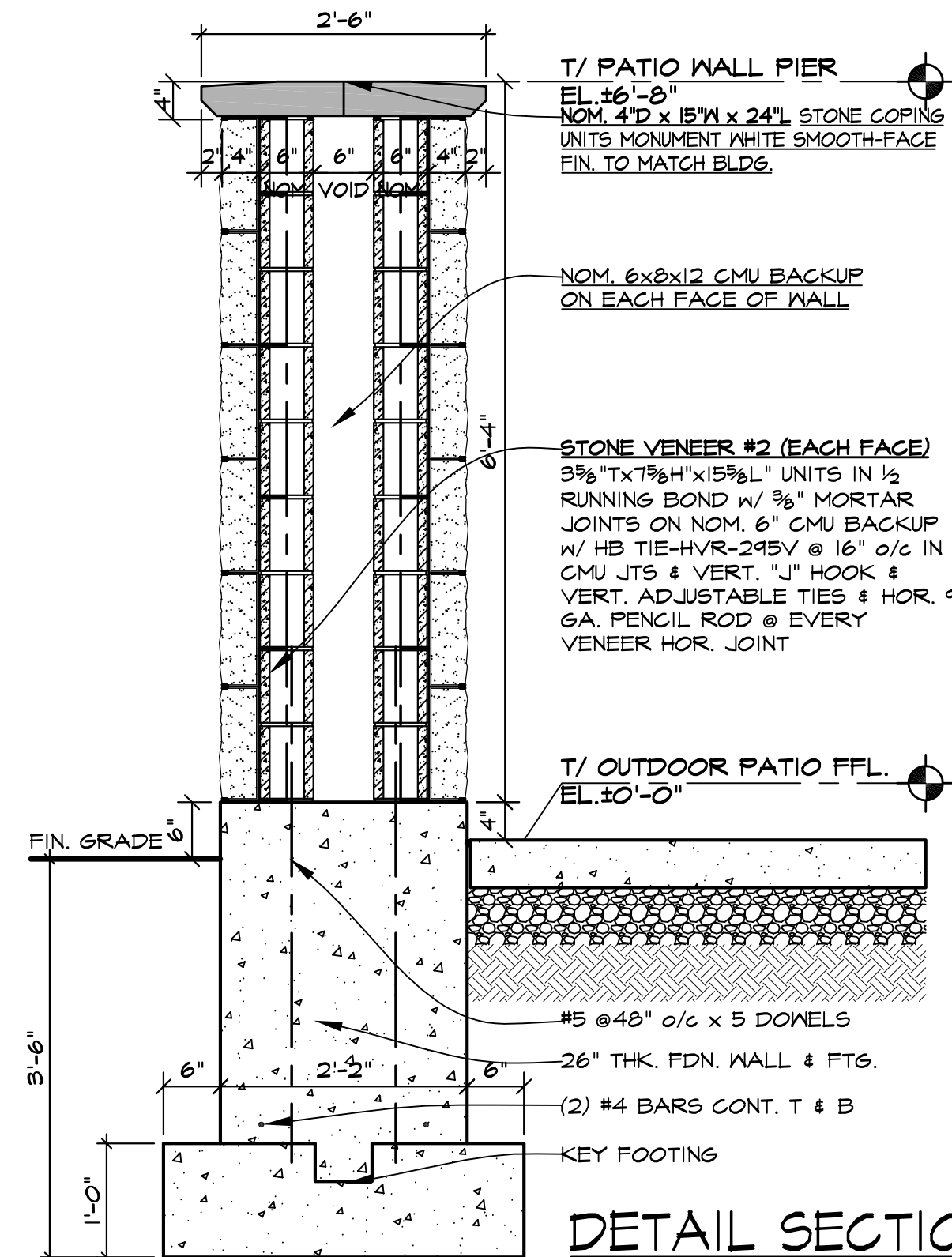
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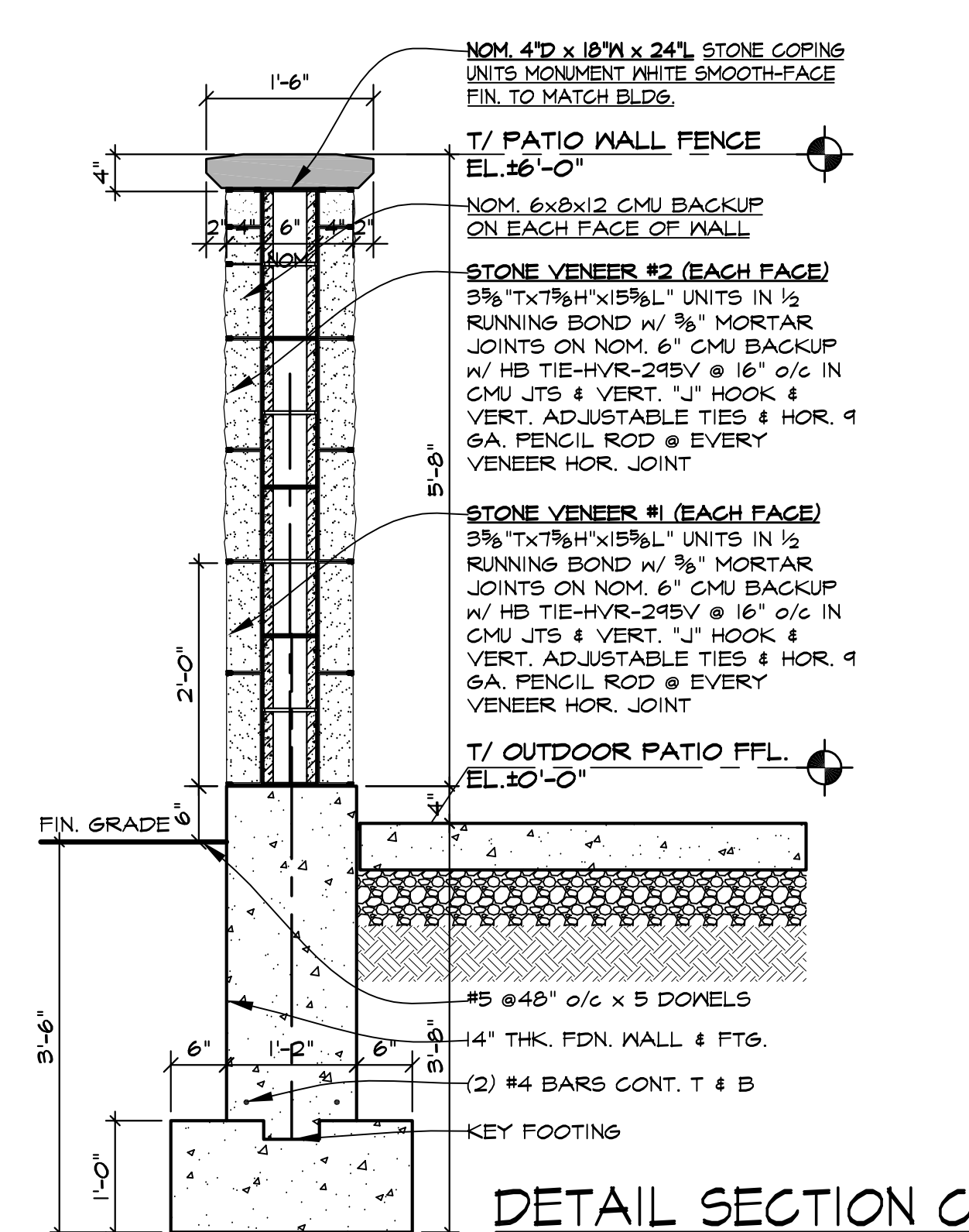
**BLOW-UP DET. ELEV. 1A**  
SCALE: 3/4" = 1'-0"



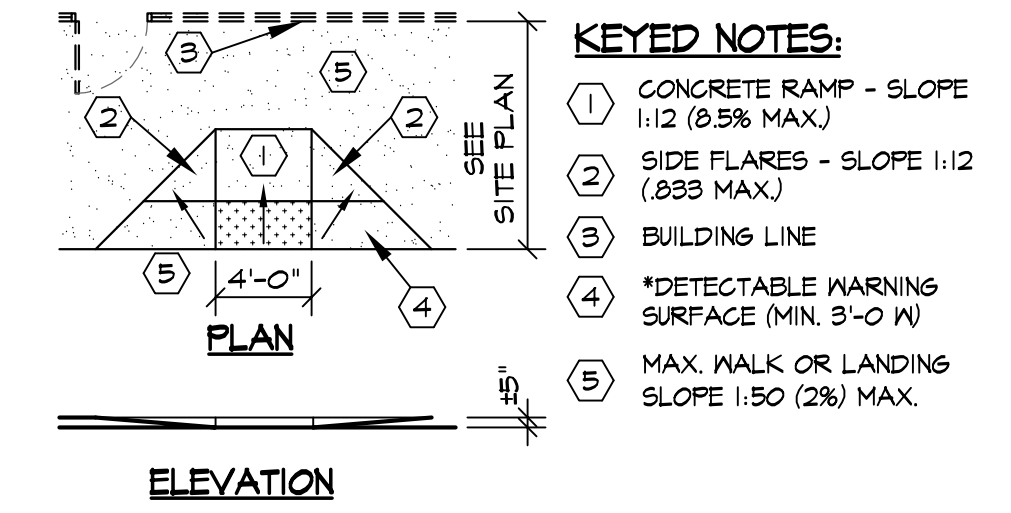
**DETAIL SECTION A**



**DETAIL SECTION B**



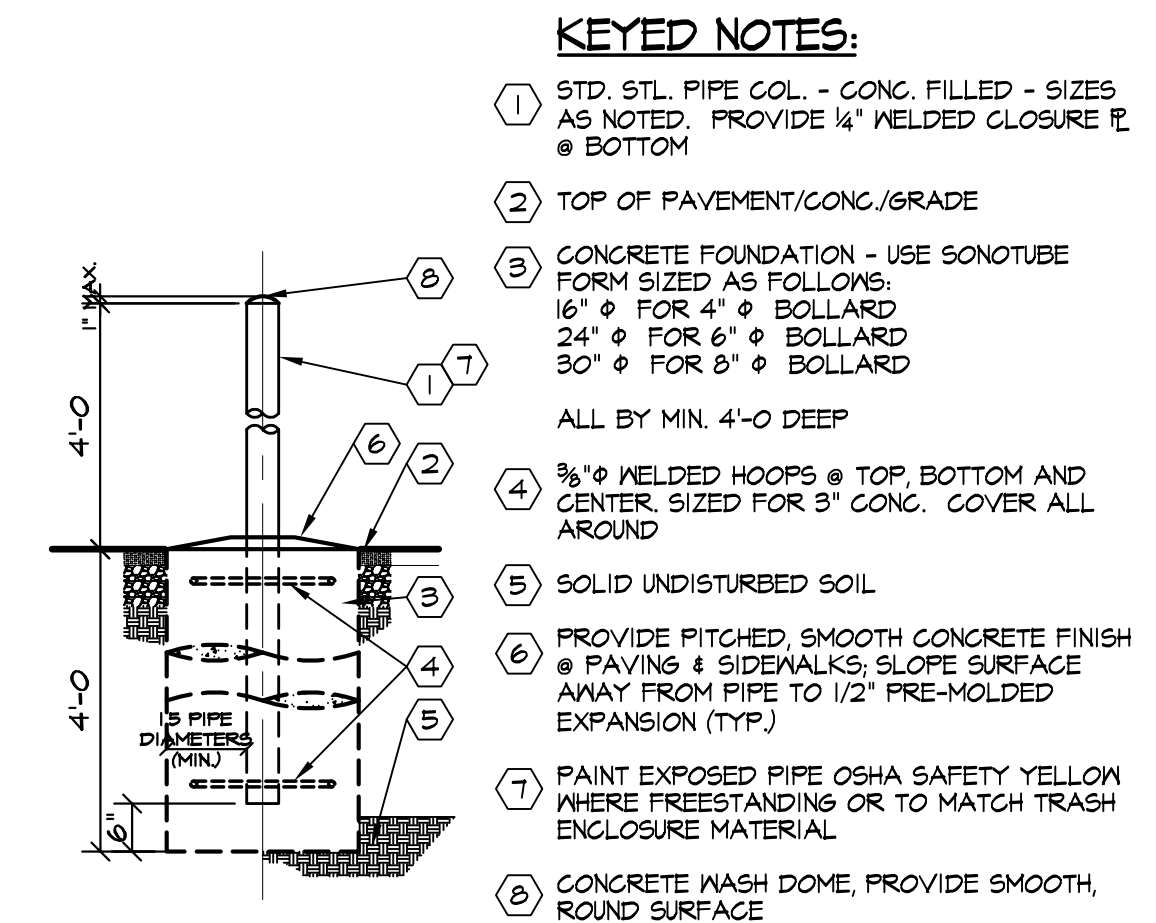
**DETAIL SECTION C**



**KEYED NOTES:**

- CONCRETE RAMP - SLOPE 1:12 (8.5% MAX)
- SIDE FLARES - SLOPE 1:2 (8.5% MAX)
- BUILDING LINE
- \*DETECTABLE WARNING SURFACE (MIN. 3'-0" W)
- MAX. WALK OR LANDING SLOPE 1:50 (2%) MAX.

**HDCP. CURB RAMP 5**  
SCALE: 1/8" = 1'-0"

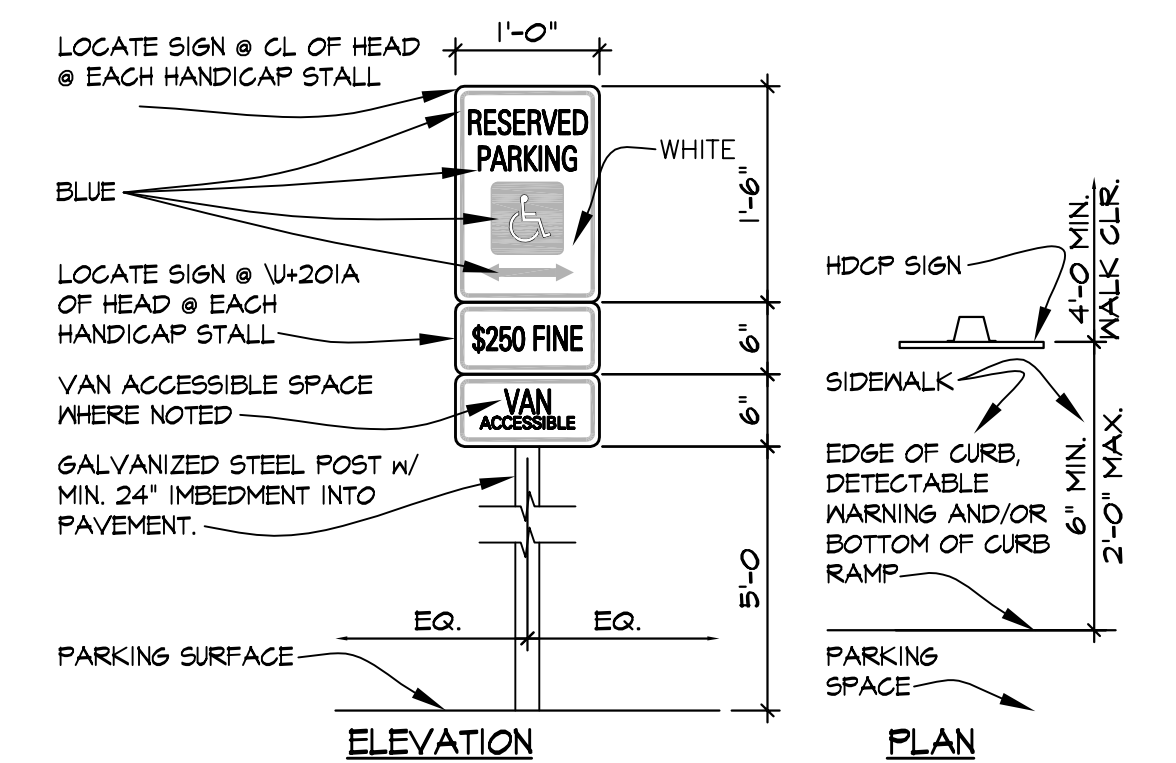


**TYP. PIPE BUMPER GUARDS 4**  
SCALE: 1/2" = 1'-0"

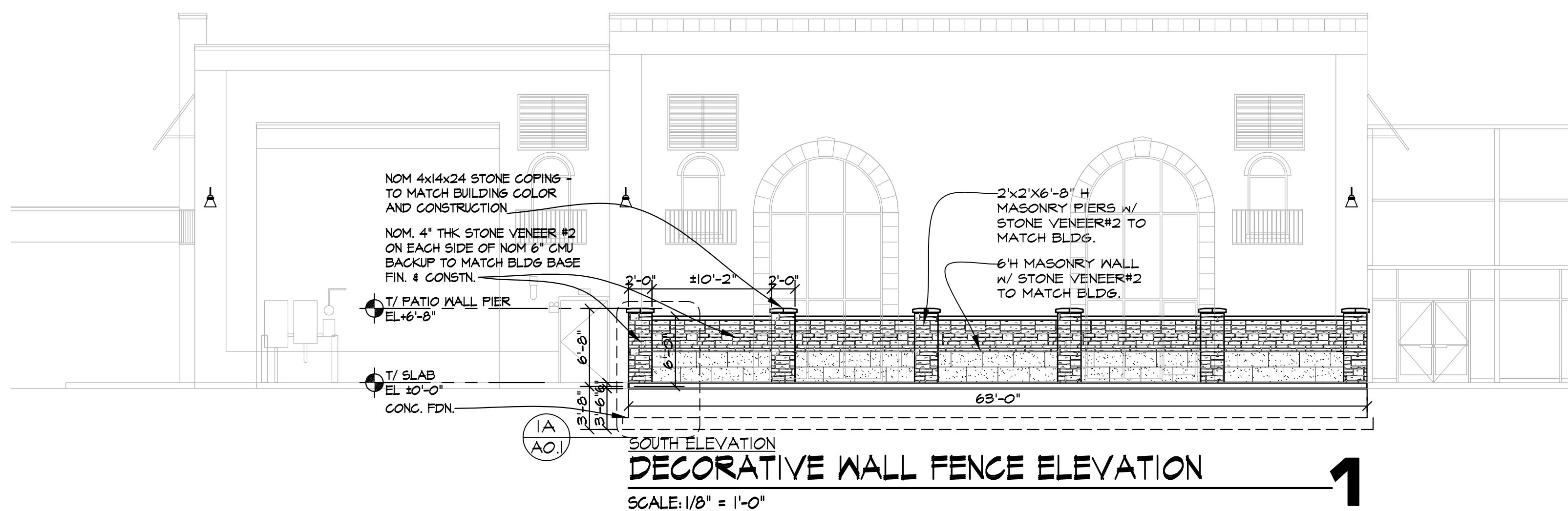
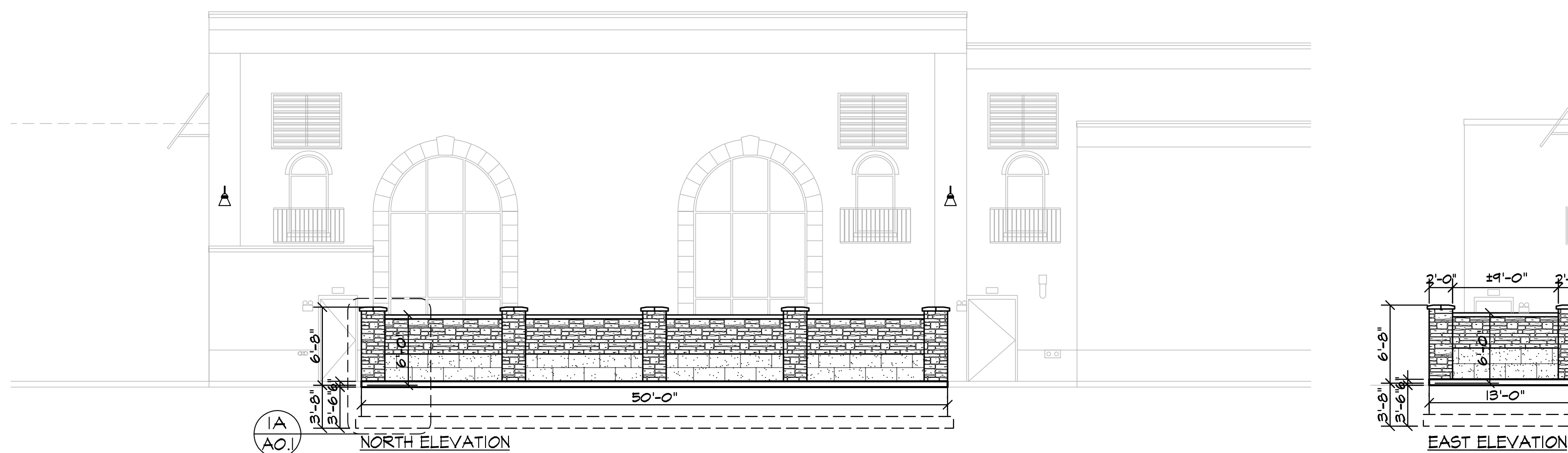
**HANDICAPPED PARKING SIGN**  
EACH PARKING SPACE DESIGNATED AS RESERVED FOR ENVIRONMENTALLY LIMITED PERSONS SHALL BE EQUIPPED WITH A SIGN WHICH COMPLIES WITH SECTION 4.6.4 SIGNAGE OF THE FEDERAL REGISTER (DEPARTMENT OF JUSTICE RULES AND REGULATIONS, 28CFR PART 36) AND MEETS THE REQUIREMENTS OF SIGN RT-8 (U.S. DEPARTMENT OF TRANSPORTATION STANDARD). AT LEAST ONE OF SUCH REQUIRED SIGNS SHALL HAVE AN ADDITIONAL SIGN VAN - ACCESSIBLE MOUNTED BELOW THE SYMBOL OF ACCESSIBILITY. SIGNS SHALL BE LOCATED ON POST WITHIN 5' OF PARKING STALL W/ BOTTOM OF 18" SIGN @ 6'-0" ABOVE TOP OF PAVEMENT.

PROVIDE A 6' x 12" FINE SIGN WHICH COMPLIES WITH ALL APPLICABLE CODES TO BE MOUNTED DIRECTLY BELOW EACH HANDICAPPED PARKING SIGN.

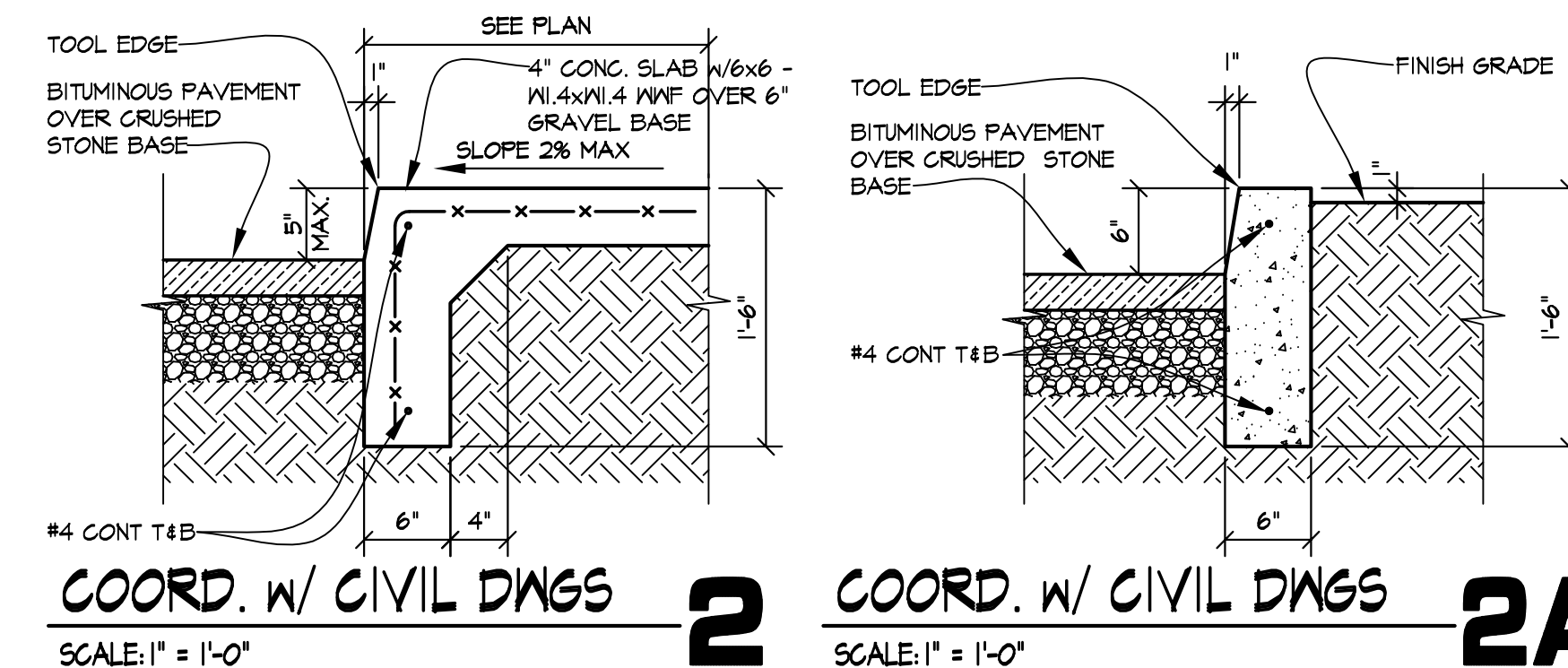
NOTE: MAY VARY BY ORDINANCE. VERIFY FINE AMOUNT W/ VILLAGE OF NEW LENOX. CENTER SIGN ON PARKING AREA EXCLUSIVE OF ACCESS AISLE.



**HDCP. PARKING SIGN 3**  
SCALE: 3/4" = 1'-0"



**DECORATIVE WALL FENCE ELEVATION 1**  
SCALE: 1/8" = 1'-0"



**COORD. W/ CIVIL DWGS 2**  
SCALE: 1" = 1'-0"

**COORD. W/ CIVIL DWGS 2A**  
SCALE: 1" = 1'-0"

**REVISIONS**

NO.	DATE	DESCRIPTION
1	10/11/2024	FOR BIDDING
2	10/11/2024	FOR PERMIT
3	10/11/2024	FOR CONTRACTING
4		FOR CONSTRUCTION

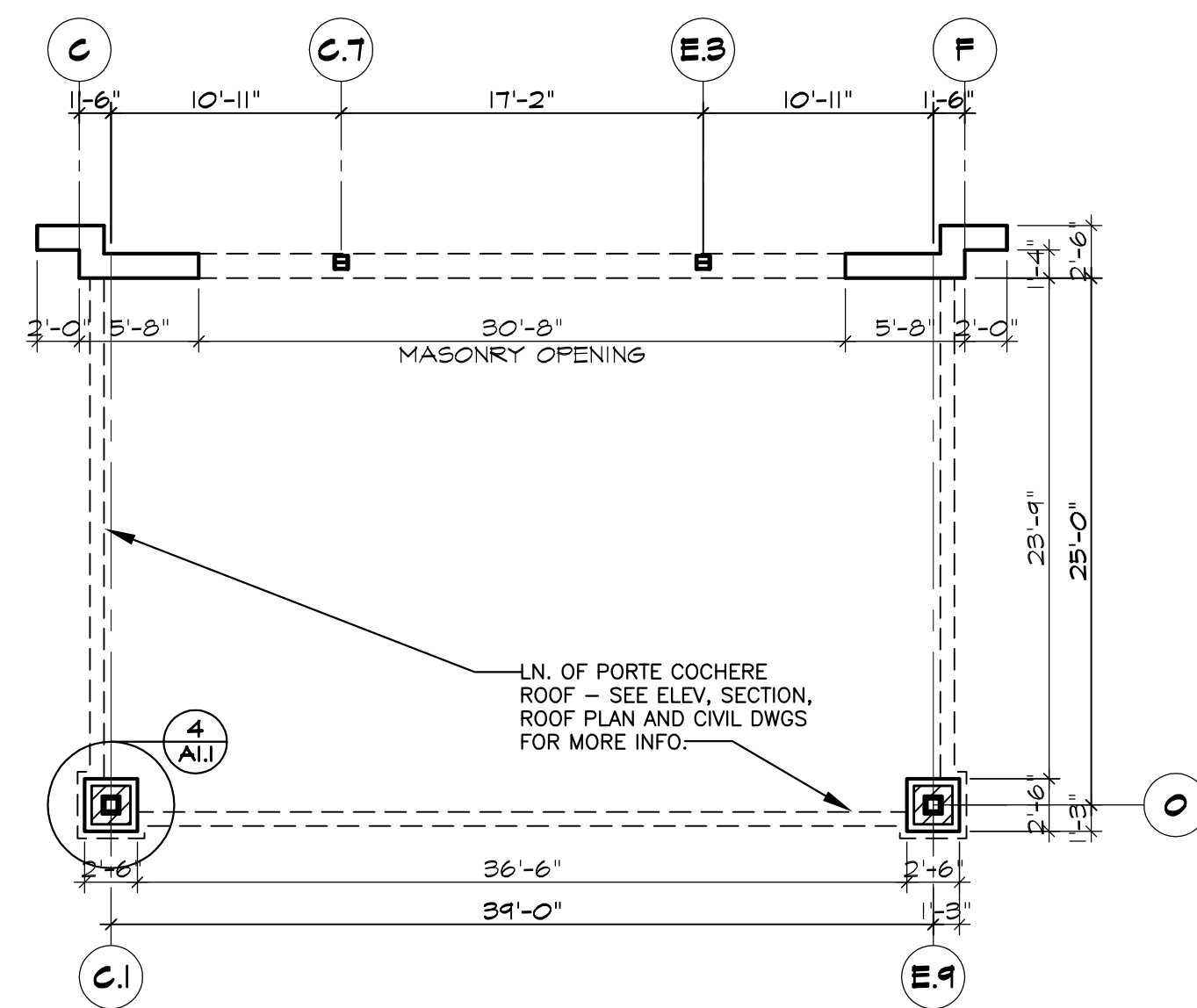
**KMA & ASSOCIATES, ARCHITECTS**  
2205 LAKESIDE DRIVE  
BANNOCKBURN, ILLINOIS 60015-1265  
(847)945-6869 FAX: (847)945-0284

**PROPOSED AVANT GARDENS - BANQUET HALL**  
370 VETERANS PARKWAY, NEW LENOX, ILLINOIS  
FOR: UNLIMITED MASONRY AND CONSTRUCTION, INC.

**SHEET TITLE**  
SITE DETAILS & TRASH ENCLOSURE DETAILS  
**2428**

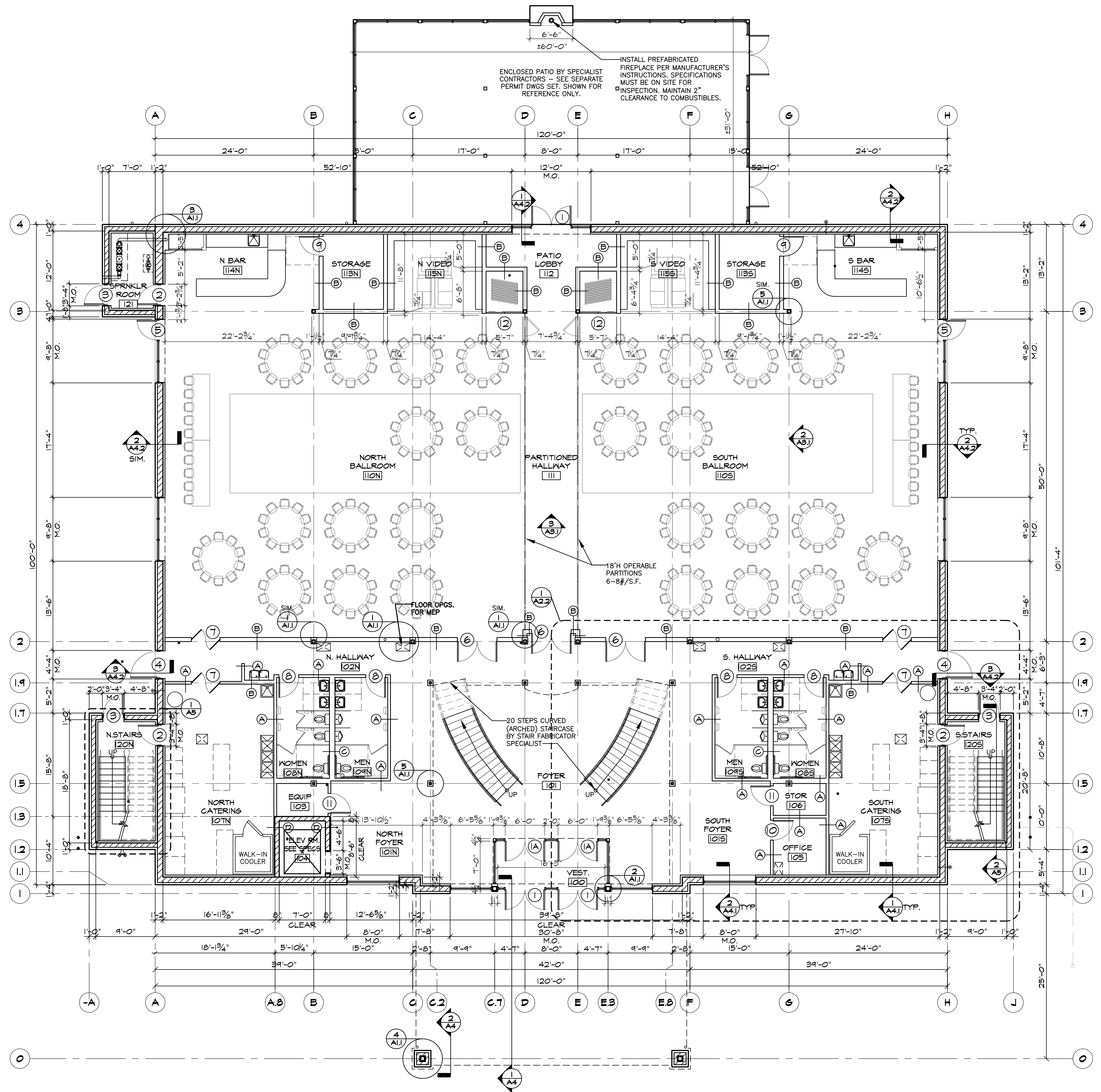
**A 01**

ERIC L. SMITH  
08-0000354  
DATE: 11/20/24



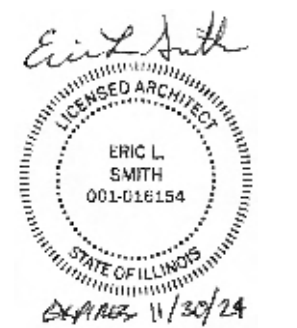
**ENTRANCE CANOPY PLAN**  
SCALE: 1/8" = 1'-0"

**A**



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

SEE WALL TYPES ON DWG. SHEET A6 DENOTED THIS ○



**SHEET TITLE**  
GROUND FLOOR PLAN,  
ENTRANCE CANOPY PLAN,  
WALL DETAILS

**2428**

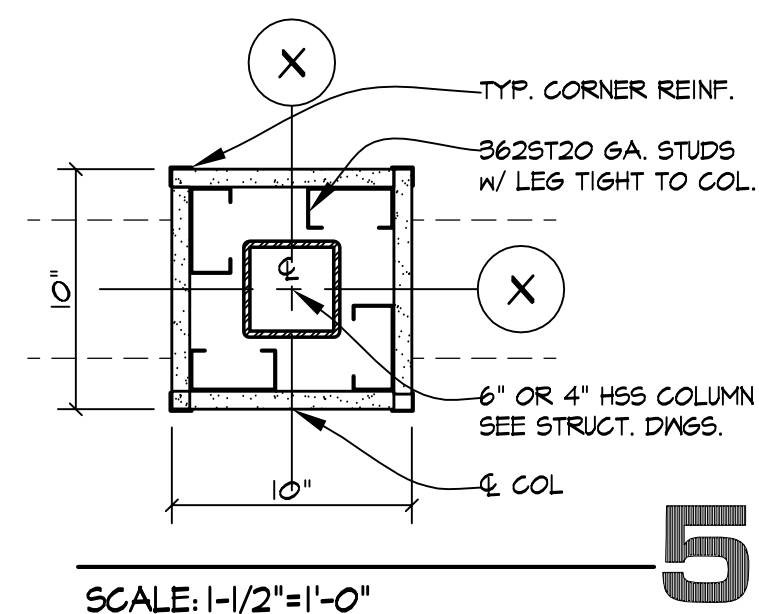
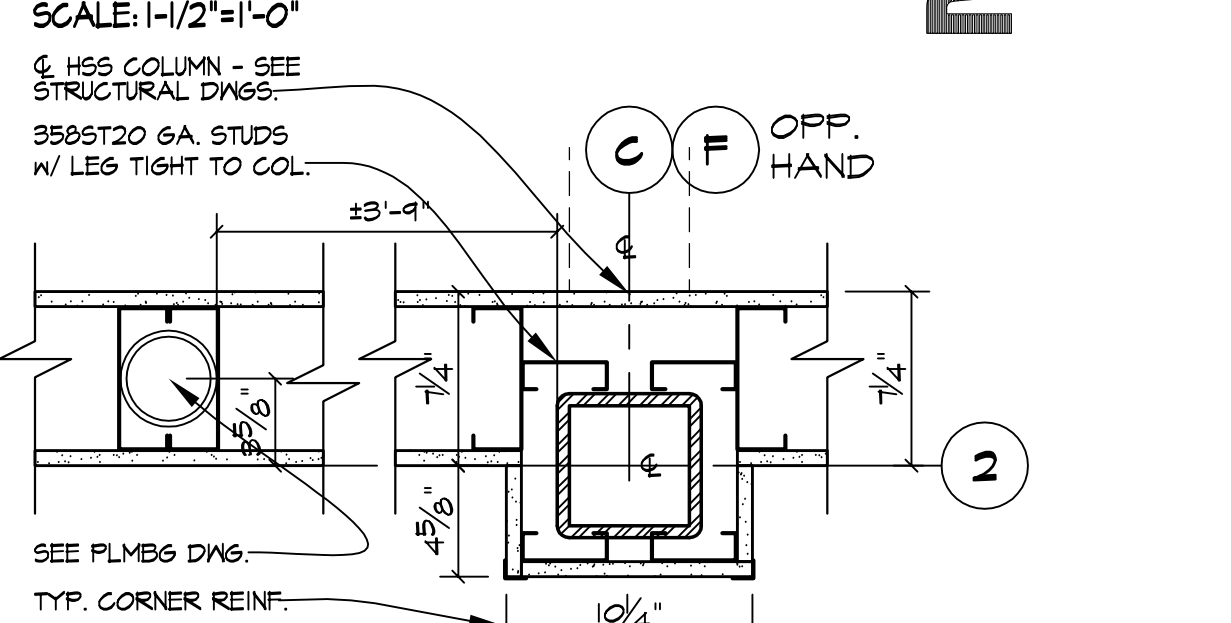
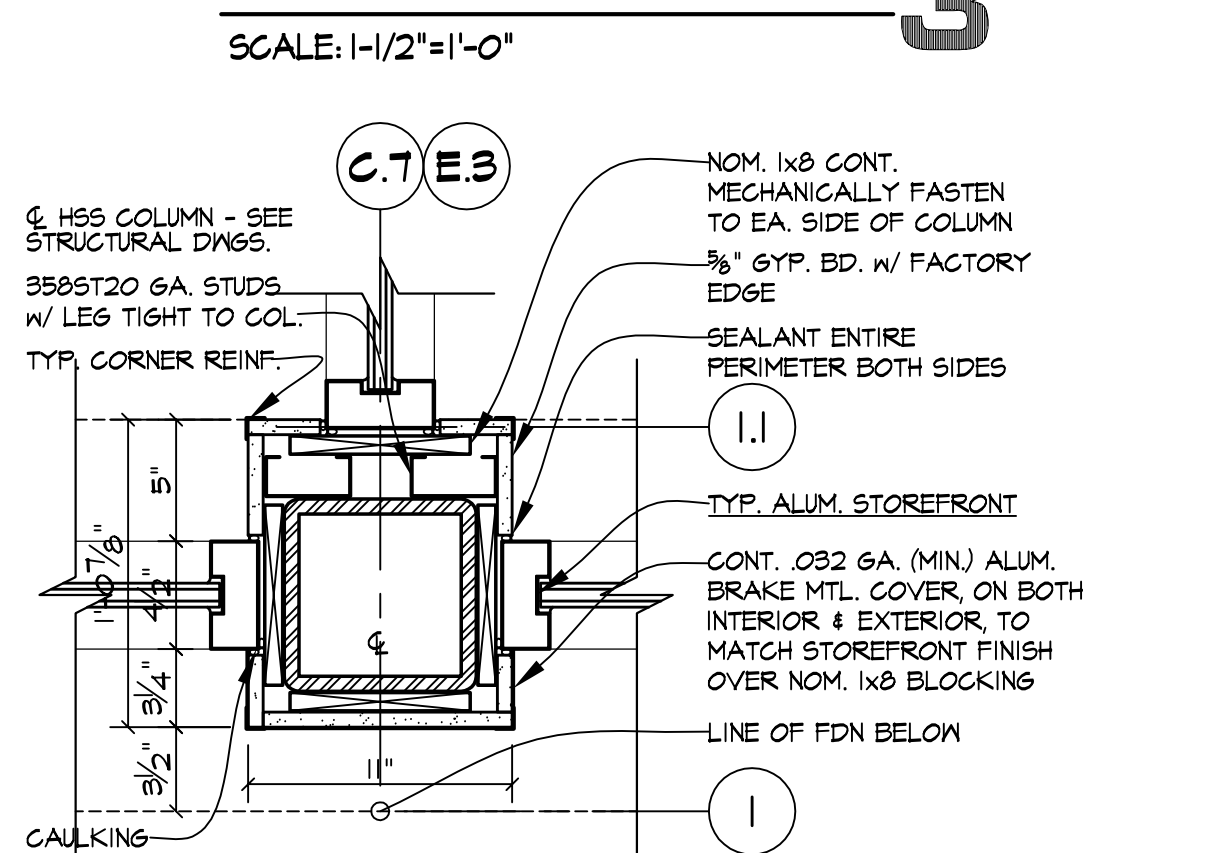
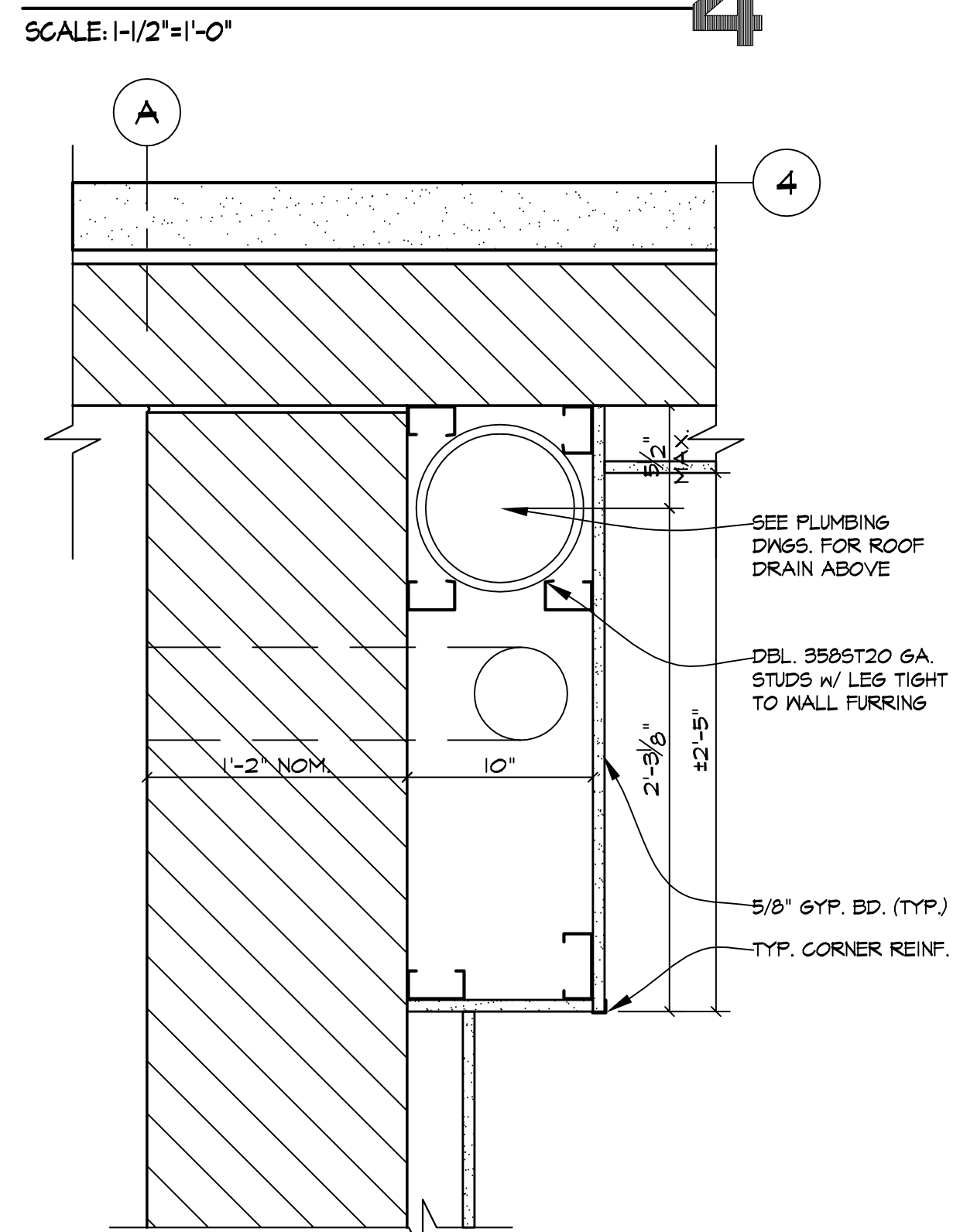
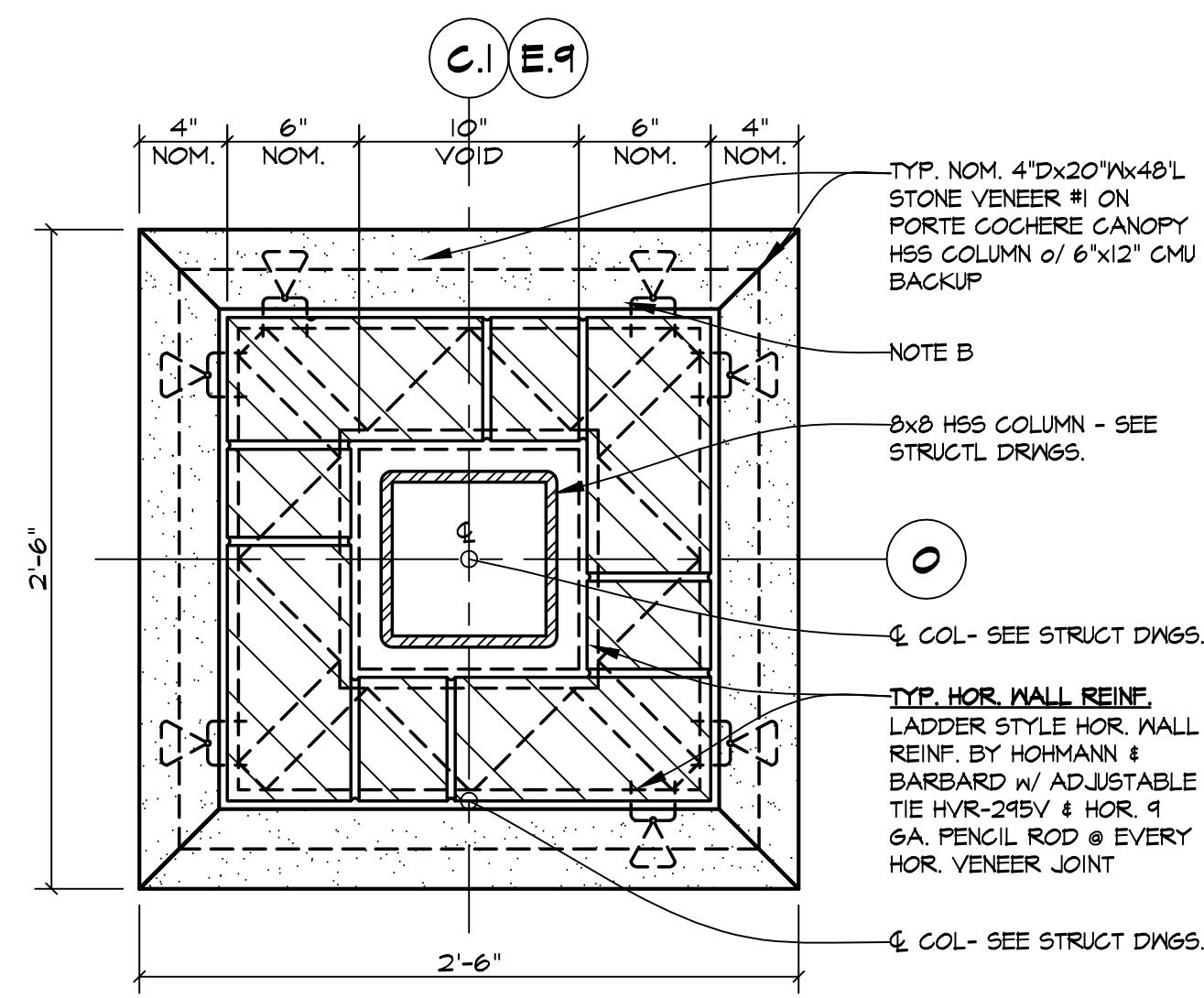
**PROPOSED**  
**AVANT GARDENS - BANQUET HALL**  
370 VETERANS PARKWAY, NEW LENOX, ILLINOIS  
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**KMA & ASSOCIATES, ARCHITECTS**  
2205 LAKESIDE DRIVE  
BANNOCKBURN, ILLINOIS  
(847)945-6869 FAX (847)945-0284  
60015-1265

THIS DRAWING	
NOT FOR CONSTRUCTION	10/17/2024
NOT FOR BIDDING	10/17/2024
NOT FOR PERMIT	10/17/2024
NOT FOR CONSTRUCTION	10/17/2024

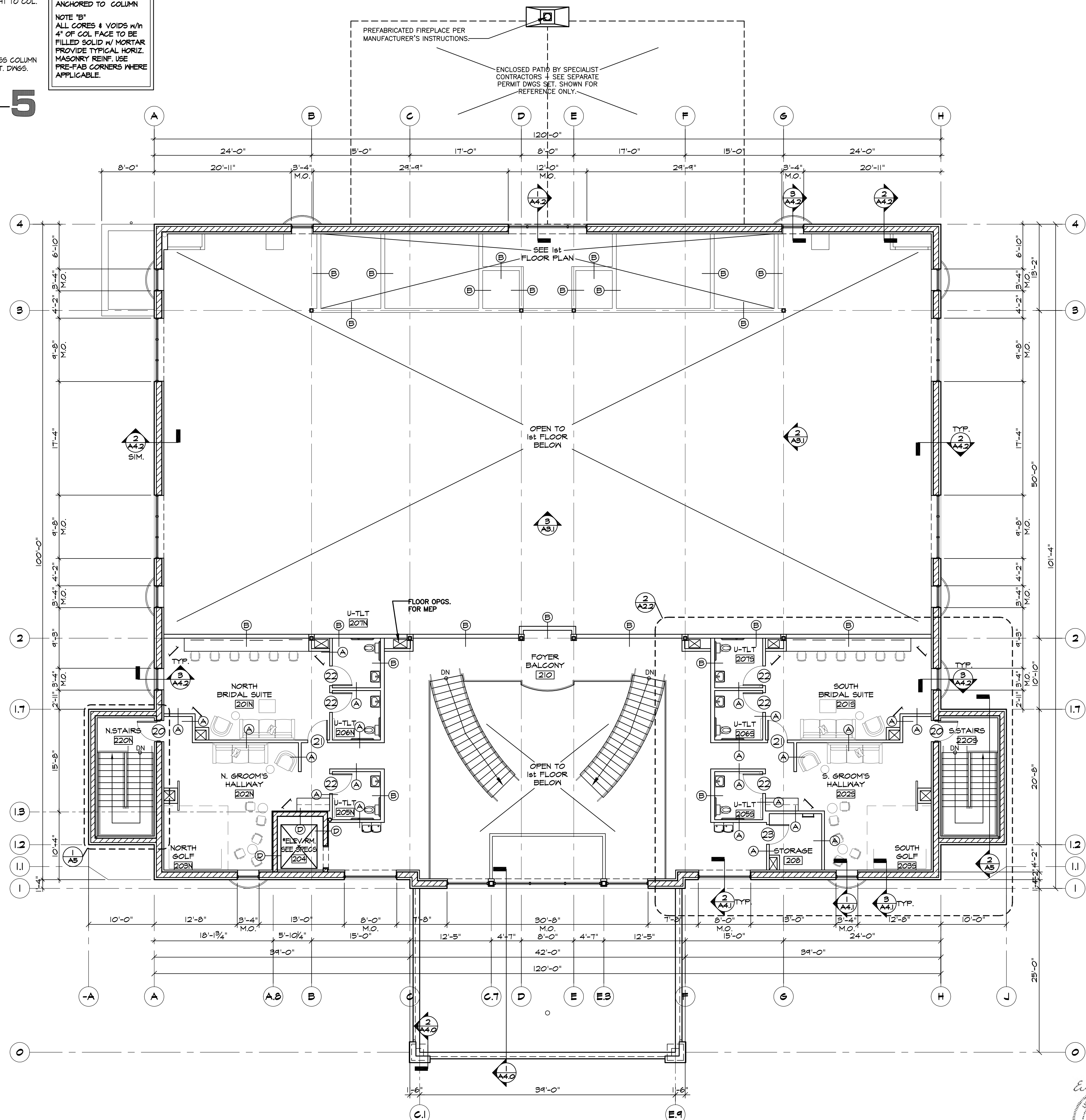
**REVISIONS**

**A**  
**1**



NOTE "A"  
GALV. TRIANGLE TIES 5" # 7 (HECKMAN 316 OR EQUAL) @ 16" O/C VERT. ANCHORED TO COLUMN

NOTE "B"  
ALL CORES & VOIDS W/IN 4" OF COL FACE TO BE FILLED SOLID W/ MORTAR. PROVIDE TYPICAL HORIZ. MASONRY REINF. USE PRE-FAB CORNERS WHERE APPLICABLE.



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

SEE WALL TYPES ON DWG. SHEET A6 DENOTED THUS:

REVISIONS	
NOT FOR CONSTRUCTION	10/17/2024
FOR PERMIT	10/17/2024
FOR BIDDING	10/17/2024
THIS DRAWING	

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SHEET TITLE  
SECOND FLOOR PLAN  
2428

**A 1.1**

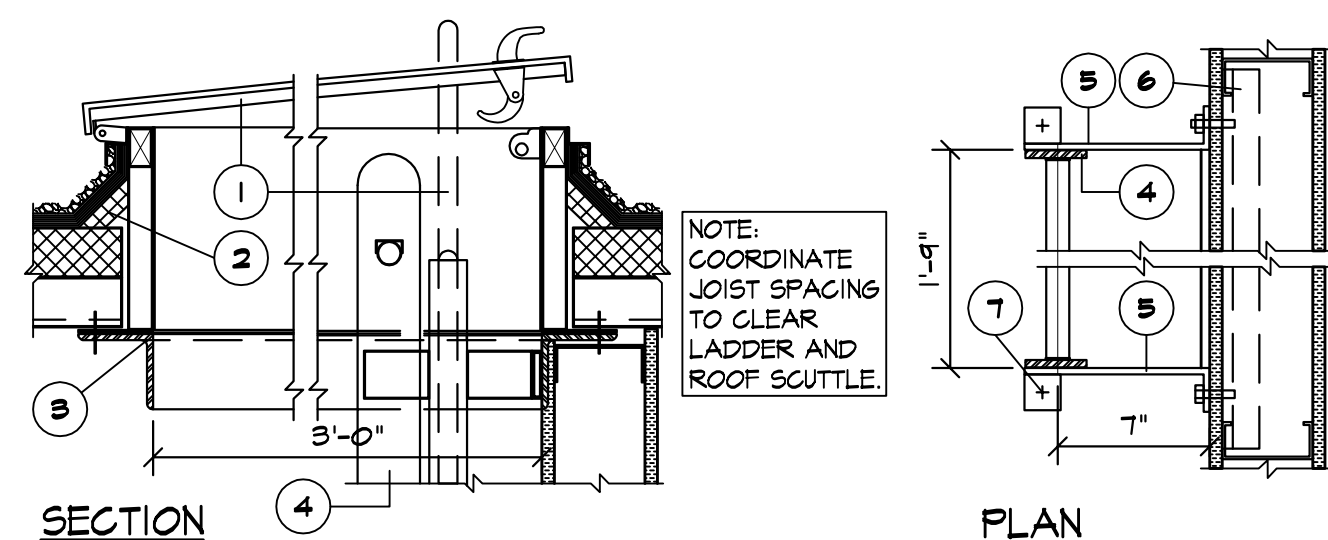
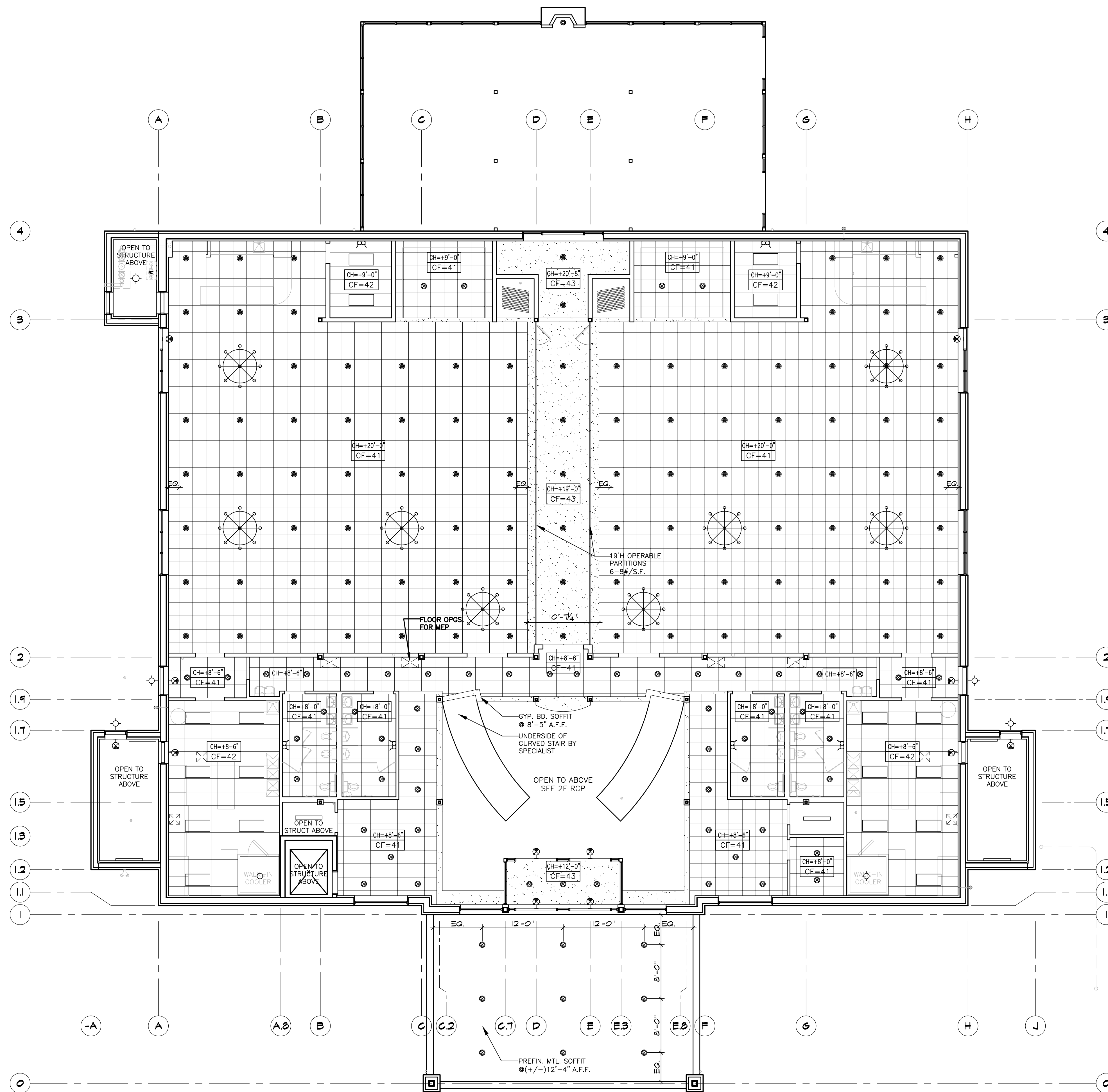
**REFLECTED CEILING PLAN NOTES**

- SUSPENDED ACOUSTICAL GRID SYSTEM TO BE ARMSTRONG 'SECOND LOOK' SERIES (OR EQUAL) COLOR: WHITE
- SUSPENDED ACOUSTICAL CEILING PANELS TO BE ARMSTRONG 'CORTEGA' SECOND LOOK II #276T w/ FLAME SPREAD OF 25 OR UNDER.
- KITCHENS:
  - SUSPENDED ACOUSTICAL CEILING PANELS TO BE ARMSTRONG #1724 'FINE FIGURED' MINIBOARD WITH A FLAME SPREAD OF 25 OR UNDER. KITCHEN AREA TILES TO BE VINYL COATED / SCRUBBABLE.
  - SUSPENDED ACOUSTICAL GRID SYSTEM TO BE ARMSTRONG PRELUDE ML SERIES (OR EQUAL) w/ MIN. .013 MTL THICKNESS. COLOR: WHITE.
- FOR FIXTURE TYPES & SPECIFICATIONS SEE ELECTRICAL DRAWINGS.
- COORDINATE ALL CEILING FIXTURE LOCATIONS w/ MECHANICAL & ELECTRICAL DWGS.
- SUSPENDED ACOUSTICAL CEILING TILES AND SUPPORTS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM C 635 AND C 636
- JOIST SUPPORTED ITEMS OF 100 LBS. MAXIMUM SHALL BE SUPPORTED FROM WITHIN 3" OF THE STEEL JOIST BOTTOM CHORD OR TOP CHORD PANEL POINTS. LOADS GREATER THAN 100 LBS. REQUIRE THE ADDITION OF A WEB MEMBER.
- SEE ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION

**CEILING LEGEND:**

SEE ELECTRICAL DRAWINGS FOR COMPLETE LIGHT FIXTURE SPECIFICATIONS AND ADDITIONAL INFORMATION

- GENERAL LIGHTING - INCANDESCENT LIGHT FIXT.
- AMBIENT LIGHTING 1 - 6"Ø RECESSED CAN LIGHT FIXT. FOR LOW CEILING
- AMBIENT LIGHTING 2 - 6"Ø RECESSED CAN LIGHT FIXT. FOR HIGH CEILING
- ACCENT LIGHTING 1 - 8"Ø CHANDELIER LIGHT FIXT.
- ACCENT LIGHTING 2 - 6"Ø CHANDELIER LIGHT FIXT.
- BACK OF HOUSE LIGHTING FOR SUSPENDED ACOUSTICAL TILE CLG. - LED 2x4' TROFFER w/ CURVE SHIELD LIGHT FIXT.
- BACK OF HOUSE LIGHTING FOR DRY WALL CLG./OPEN STRUCTURE - 1 LED LAMP 1x4 RECESSED MTD. FLAT PANEL LIGHT FIXT.
- TASK LIGHTING 1 - 60W WALL SCONCE LIGHTING FIXT.
- CF=420 CEILING FINISH SCHEDULE
- CH=+12' CEILING HEIGHT SCHEDULE



**KEYED NOTES**

- ROOF SCUTTLE - 2'-6" x 3'-0" TYPE 'S' w/ 'LADDER-UP' SAFETY POST MODEL 2 BY BILCO CO. SECURE SCUTTLE TO ROOF STRUCTURAL STEEL w/ THRU BOLTS ACCORDING TO MANUFACTURER'S DIRECTIONS. HINGE PINS ARE TO BE WELDED NON-REMOVABLE.
- STANDARD 1" FIBER CANT, BUILT UP ROOFING & COUNTER FLASHING.
- 3/4" x 3/2" x 1/4" ANGLED WELDED FRAME. EXTEND AND SECURE TO BUILDING ROOF STRUCTURE AS REQUIRED.
- 2 1/2" x 3/8" FLAT STL. BAR SIDE RAILS, & 1" DIA. STL. RINGS PUNCHED INTO RAILS 12" O.C. & WELDED w/ MTL. 'MEBAC' SLIP-RESISTANT RUNG COVERS w/ A FINISH COAT RUST INHIBITIVE PAINT.
- PROVIDE 2 1/2" x 3/8" THICK FLAT BENT STEEL BRACKETS AT MAX. 4'-0" CENTERS. WELD TO SIDE RAILS. WELD TOP TO STEEL ANGLE FRAME.
- AT METAL STUD WALL, PROVIDE 1/2" C.R. STEEL REINFORCING CHANNELS w/ WELDED 3/8" THRU BOLTS TO RECEIVE BRACKETS. CUT STUD FLANGES TO RECEIVE REINFORCING CHANNEL. AT MASONRY, FASTEN BRACKETS WITH 3/8" x 2 3/4" WEDGE 'RED HEAD' OR 'MOLLY' ANCHOR BOLTS.
- PROVIDE 2 1/2" x 2 1/2" x 3/8" WELDED CLIP ANGLES SECURED TO CONCRETE FLOOR w/ 1/2" x 2 3/4" WEDGE 'RED HEAD' OR 'MOLLY' ANCHOR BOLTS.

**LADDER & SCUTTLE DETAIL**

SCALE: NONE

**1**

**REFLECTED CEILING PLAN (GROUND FLR.)**

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



**REVISIONS**

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5		NOT FOR CONSTRUCTION

**KMA & ASSOCIATES, ARCHITECTS**  
 2205 LAKEVIEW DRIVE  
 BANNOCKBURN, ILLINOIS 60015-1265  
 (847)945-6869 FAX (847)945-0284

**PROPOSED**  
**AVANT GARDENS - BANQUET HALL**  
 370 VETERANS PARKWAY, NEW LENOX, ILLINOIS  
 FOR: UNLIMITED MASONRY AND CONSTRUCTION, INC.

**SHEET TITLE**  
 REFLECTED CEILING PLAN  
 (GROUND FLOOR) DETAILS  
 NOTES

**2428**



**ANA**

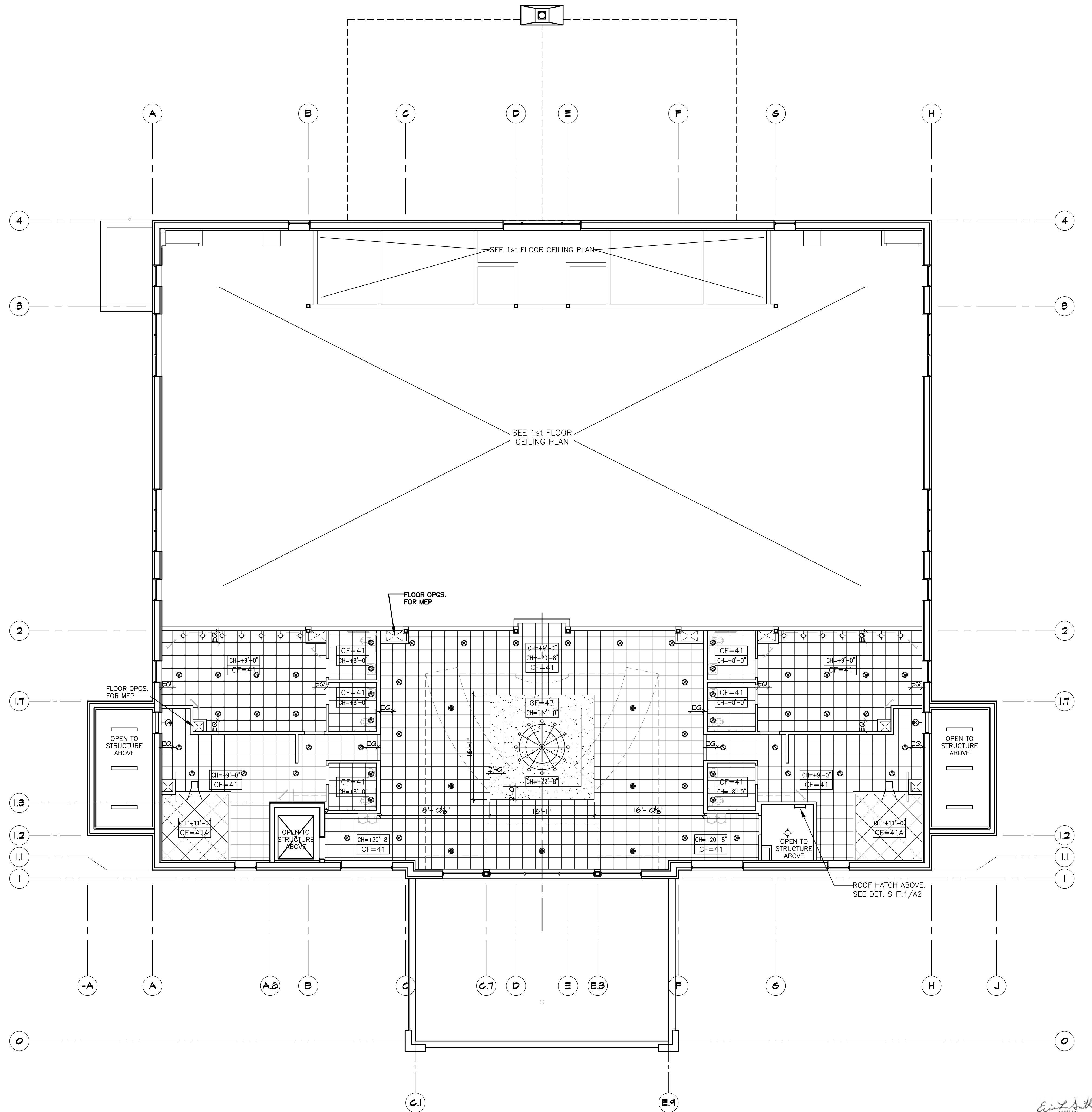
**REFLECTED CEILING PLAN NOTES**

- SUSPENDED ACOUSTICAL GRID SYSTEM TO BE ARMSTRONG 'SECOND LOOK' SERIES (OR EQUAL) COLOR: WHITE
- SUSPENDED ACOUSTICAL CEILING PANELS TO BE ARMSTRONG 'CORTEGA' SECOND LOOK II #2767 W/ FLAME SPREAD OF 25 OR UNDER.
- KITCHENS:
  - SUSPENDED ACOUSTICAL CEILING PANELS TO BE ARMSTRONG #1124 'FINE FISURED' MINABOARD WITH A FLAME SPREAD OF 25 OR UNDER. KITCHEN AREA TILES TO BE VINYL COATED / SCRUBBABLE.
  - SUSPENDED ACOUSTICAL GRID SYSTEM TO BE ARMSTRONG PRELUDE ML SERIES (OR EQUAL) W/ MIN. .019 MTL THICKNESS. COLOR: WHITE.
- FOR FIXTURE TYPES & SPECIFICATIONS SEE ELECTRICAL DRAWINGS.
- COORDINATE ALL CEILING FIXTURE LOCATIONS W/ MECHANICAL & ELECTRICAL DWGS.
- SUSPENDED ACOUSTICAL CEILING TILES AND SUPPORTS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM C 635 AND C 636
- JOIST SUPPORTED ITEMS OF 100 LBS. MAXIMUM SHALL BE SUPPORTED FROM WITHIN 3" OF THE STEEL JOIST BOTTOM CHORD OR TOP CHORD PANEL POINTS. LOADS GREATER THAN 100 LBS. REQUIRE THE ADDITION OF A WEB MEMBER.
- SEE ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION

**CEILING LEGEND:**

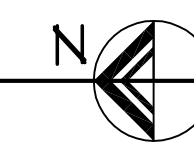
SEE ELECTRICAL DRAWINGS FOR COMPLETE LIGHT FIXTURE SPECIFICATIONS AND ADDITIONAL INFORMATION

- GENERAL LIGHTING - INCANDESCENT LIGHT FIXT.
- AMBIENT LIGHTING 1 - 6" RECESSED CAN LIGHT FIXT. FOR LOW CEILING
- AMBIENT LIGHTING 2 - 6" RECESSED CAN LIGHT FIXT. FOR HIGH CEILING
- ACCENT LIGHTING 1 - 8" CHANDELIER LIGHT FIXT.
- ACCENT LIGHTING 2 - 6" CHANDELIER LIGHT FIXT.
- BACK OF HOUSE LIGHTING FOR SUSPENDED ACOUSTICAL TILE CLG. - LED 2'x4' TROFFER W/ CURVE SHIELD LIGHT FIXT.
- BACK OF HOUSE LIGHTING FOR DRY WALL CLG./OPEN STRUCTURE - 1 LED LAMP 1'x4' RECESSED MTD. FLAT PANEL LIGHT FIXT.
- TASK LIGHTING 1 - 60W WALL SCONCE LIGHTING FIXT.
- CF=420** CEILING FINISH SCHEDULE
- CH=+12'** CEILING HEIGHT SCHEDULE



**REFLECTED CEILING PLAN (2ND FLR.)**

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



**REVISIONS**

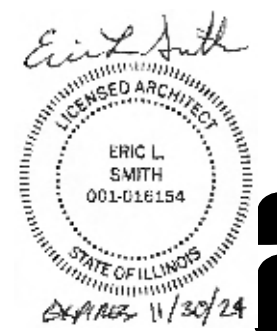
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 2205 LAKESIDE DRIVE  
 BANNOCKBURN, ILLINOIS 60015-1265  
 (847)945-6869 FAX(847)945-0284

**PROPOSED**  
**AVANT GARDENS - BANQUET HALL**  
 370 VETERANS PARKWAY, NEW LENOX, ILLINOIS  
 FOR: UNLIMITED MASONRY AND CONSTRUCTION, INC.

**SHEET TITLE**  
 REFLECTED CEILING PLAN  
 (2ND FLOOR), NOTES

**2428**



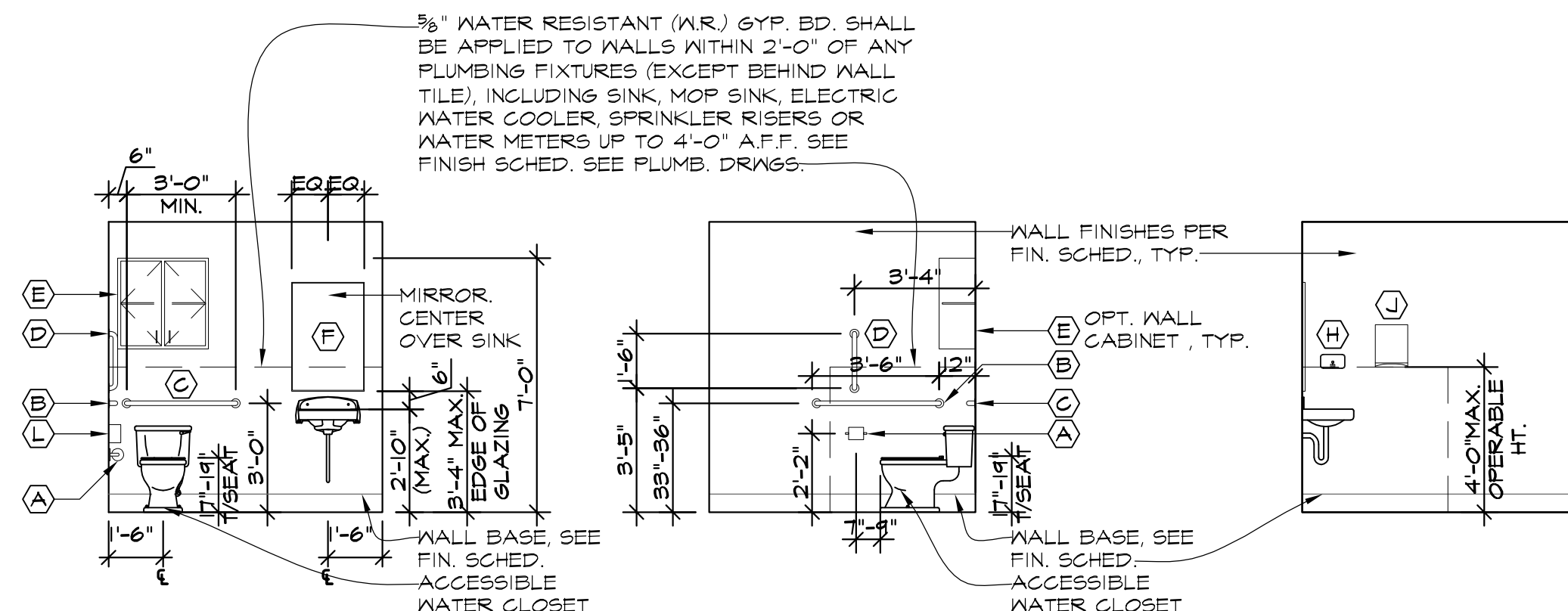
**A**  
**2.1**

**ACCESSORIES SCHEDULE**

SEE FLOOR PLAN & INTERIOR ELEVATIONS FOR LOCATIONS OF ACCESSORIES.

(A)	TOILET PAPER DISPENSER - BOBRICK B-4288 w/ SATIN FINISH OR EQUAL
(B)	GRAB BAR - 42" LONG; BOBRICK B-530X42 OR EQUAL
(C)	GRAB BAR - 36" LONG; BOBRICK B-530X36 OR EQUAL
(D)	VERTICAL GRAB BAR - 18" LONG; BOBRICK B-530X18 OR EQUAL
(E)	WALL CABINET (OPTIONAL)
(F)	MIRROR - 24"X36"; BOBRICK B-165 OR EQUAL
(G)	MIRROR - SEE INT. ELEV. FOR DIMENSIONS; BOBRICK OR EQUAL
(H)	SOAP DISPENSER - BOBRICK B-2111 CLASSIC SERIES
(I)	PAPER TOWEL DISPENSER - BOBRICK B-253
(J)	SANITARY NAPKIN DISPENSER - 7 1/2" X 10" X 3 13/16"; BOBRICK B-270 OR EQUAL
(K)	ROBE HOOK - BRANERD SATIN NICKEL MODEL: B42306J-SN-C OR EQUAL
(L)	HDCP. SIGN - SEE PLUMB. DRAGS.
(M)	TOILET PARTITIONS; BOBRICK OR EQUAL
(N)	BABY CHANGING STATION, KOALA KARE K8310-S8RE (RECESSED, STAINLESS STEEL) OR EQUAL. OPEN BED HEIGHT @ 33" A.F.F. REFERENCE MANUFACTURER'S STUD SPACING AND ANCHORING REQUIREMENTS. PROVIDE 2X BLOCKING TO MEET OR EXCEED DESIGN LOAD CAPACITY.

- 1) PROVIDE IN WALL WOOD BLOCKING AT ALL TOILET ROOM ACCESSORIES.
- 2) INSTALL ALL FIXTURES AND ACCESSORIES AT HANDICAPPED ACCESSIBLE MOUNTING HEIGHTS AS SHOWN.
- 3) TOILET ROOM ACCESSORIES SHALL BE INSTALLED AND SEALED TO PROTECT STRUCTURAL ELEMENTS FROM MOISTURE.

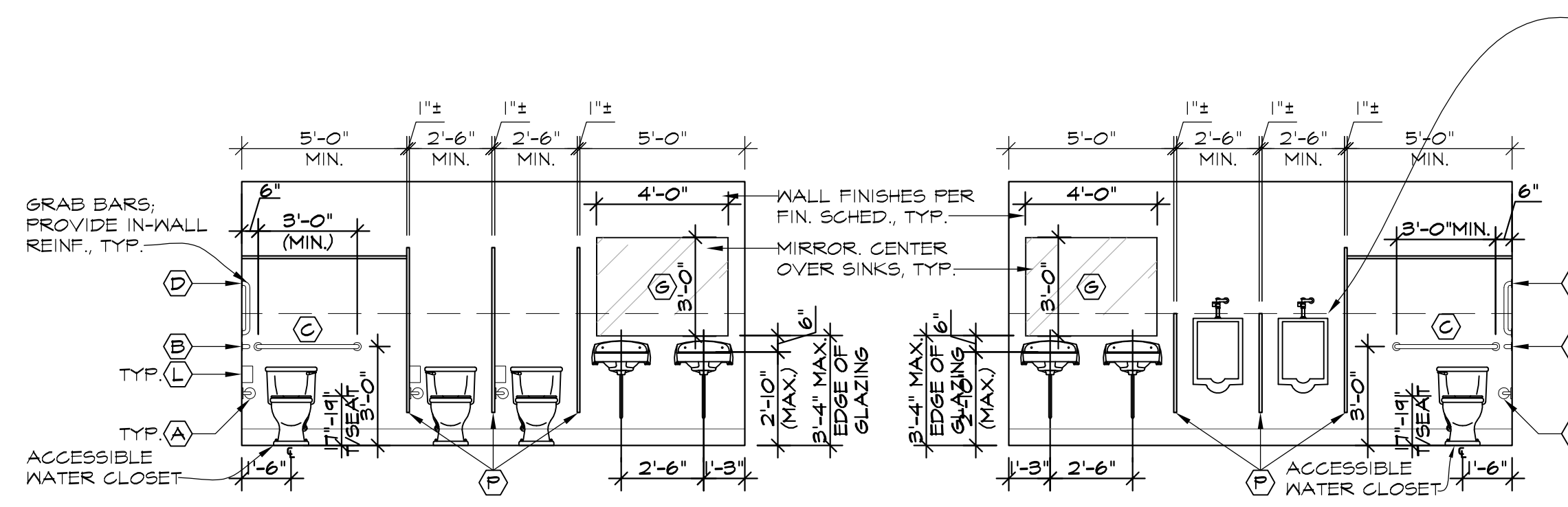


RM.#206S, UNISEX TOILETS INT. ELEV. SCALE: 1/4"=1'-0" (F) A22

RM.#206S, UNISEX TOILETS INT. ELEV. SCALE: 1/4"=1'-0" (G) A22

RM.#206S, UNISEX TOILETS INT. ELEV. SCALE: 1/4"=1'-0" (H) A22

RM.#206S, UNISEX TOILETS INT. ELEV. SCALE: 1/4"=1'-0" (J) A22



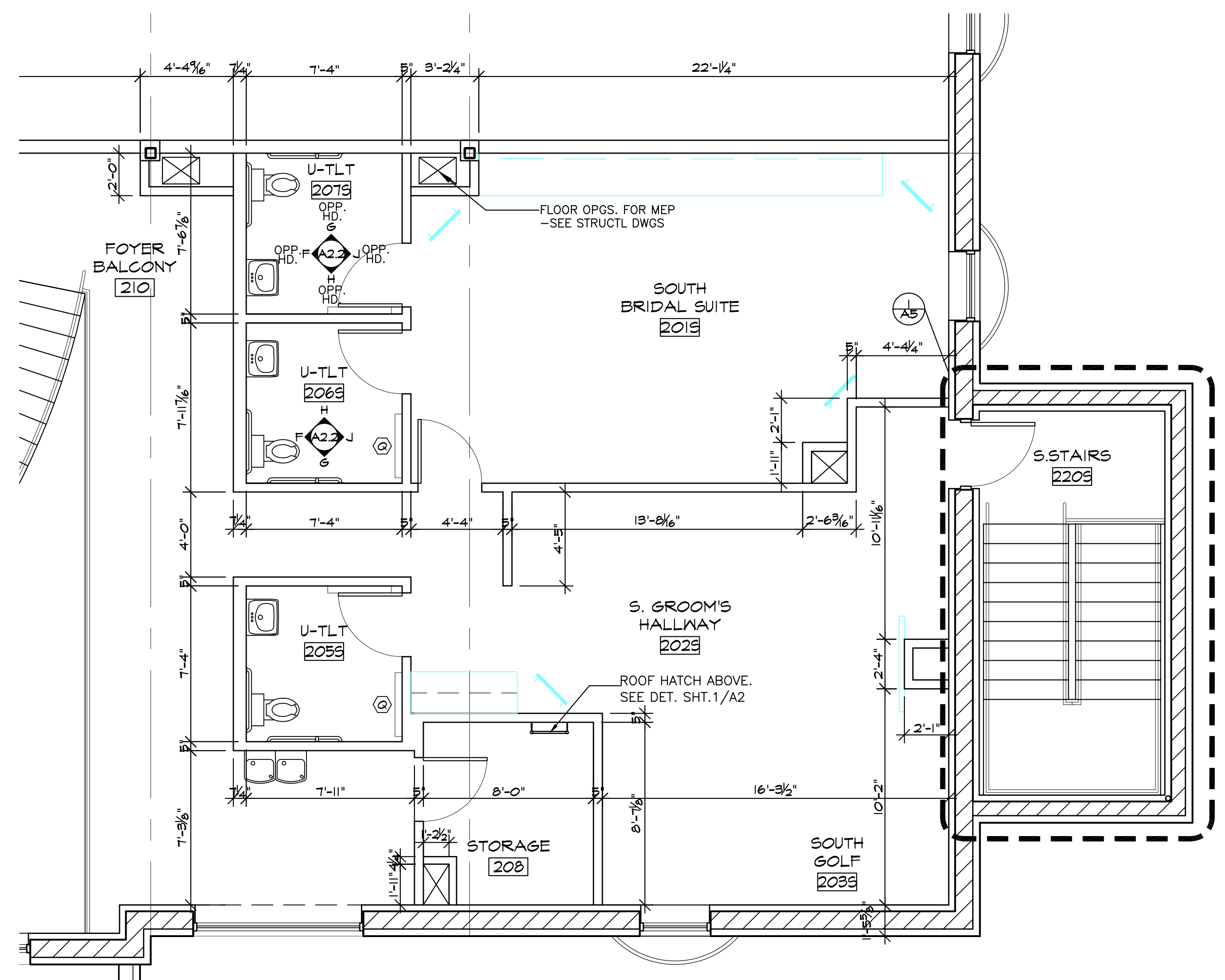
RM.#108S, WOMEN'S TOILETS INT. ELEV. SCALE: 1/4"=1'-0" (A) A22

RM.#109S, MEN'S TOILETS INT. ELEV. SCALE: 1/4"=1'-0" (B) A22

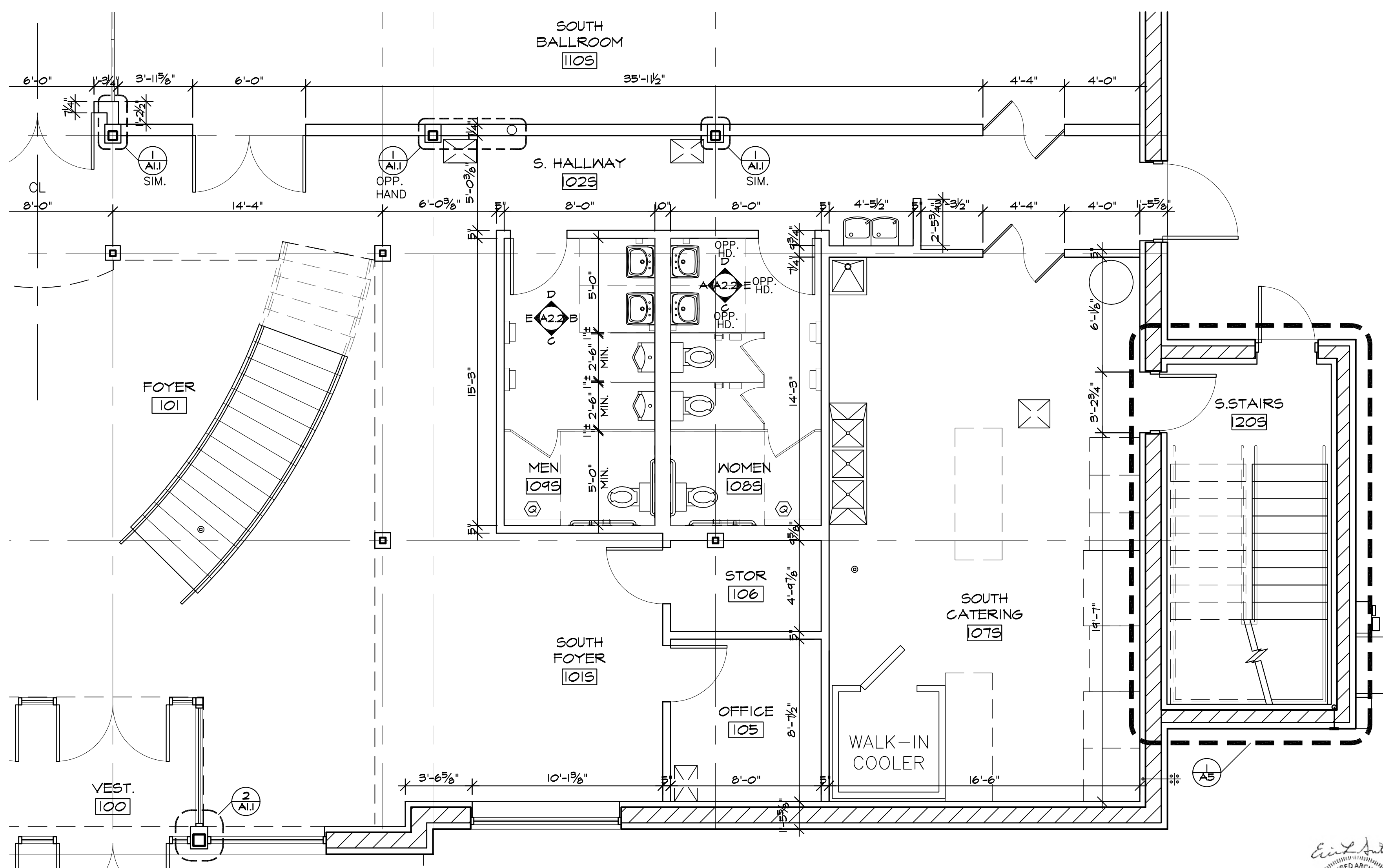
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RM.#108S, WOMEN'S TOILETS INT. ELEV. SCALE: 1/4"=1'-0" (D) A22

RM.#108S, WOMEN'S TOILETS INT. ELEV. SCALE: 1/4"=1'-0" (E) A22



ENLARGED SECOND FLOOR PLAN - SOUTH (NORTH OPP. HAND) SCALE: 1/4"=1'-0" 2 N



ENLARGED FIRST FLOOR PLAN - SOUTH (NORTH OPP. HAND) SCALE: 1/4"=1'-0" 1 N

**REVISIONS**

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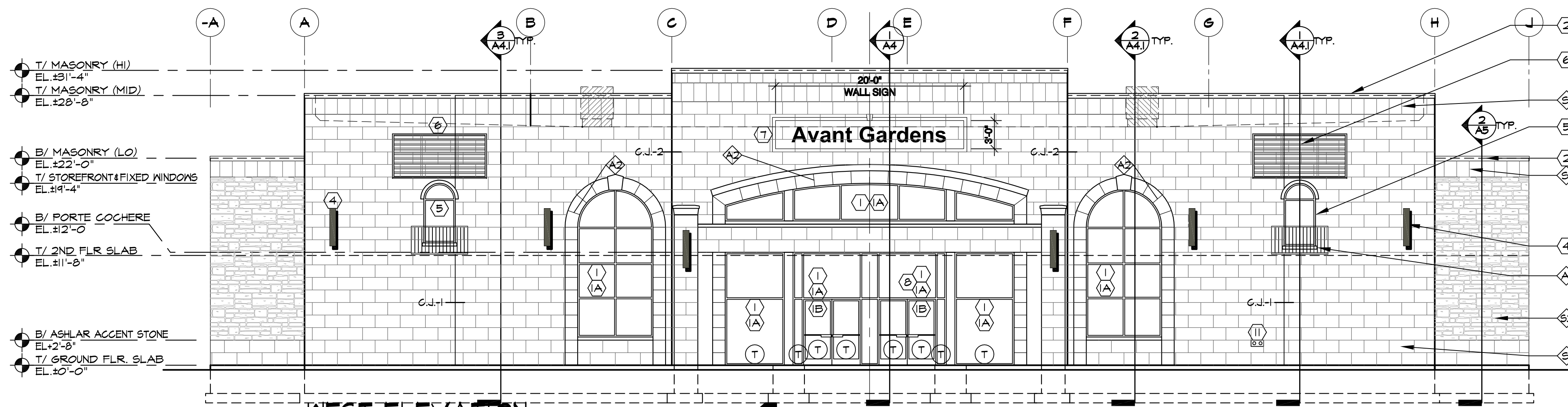
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 370 VETERANS PARKWAY, NEW LENOX, ILLINOIS  
 FOR: UNLIMITED MASONRY AND CONSTRUCTION, INC.

**SHEET TITLE**  
 BLOWUP PLAN  
 INTERIOR ELEVATIONS & ACCESSORIES SCHEDULE  
**2428**

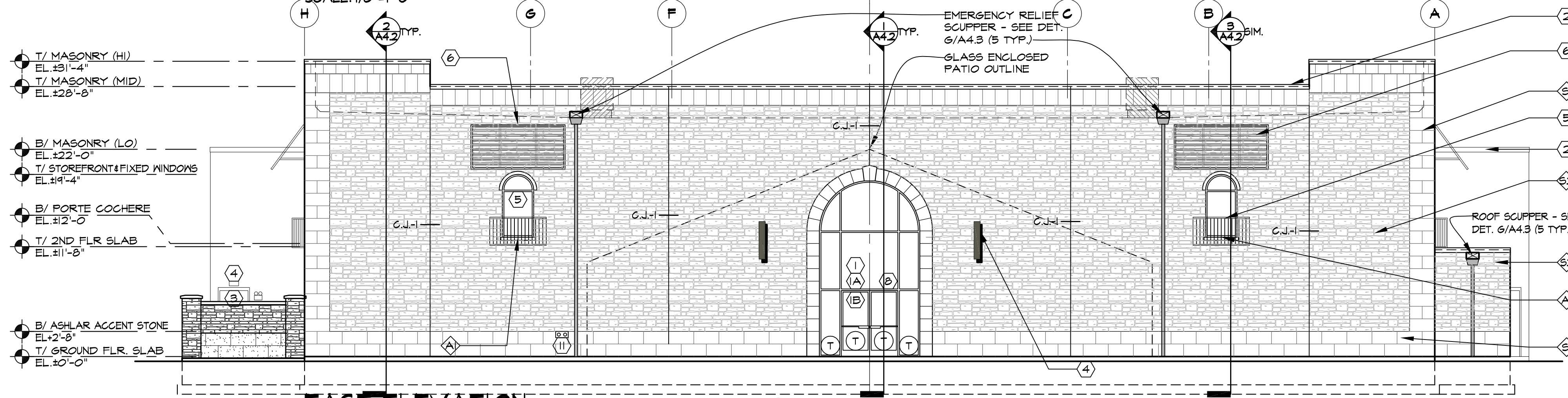


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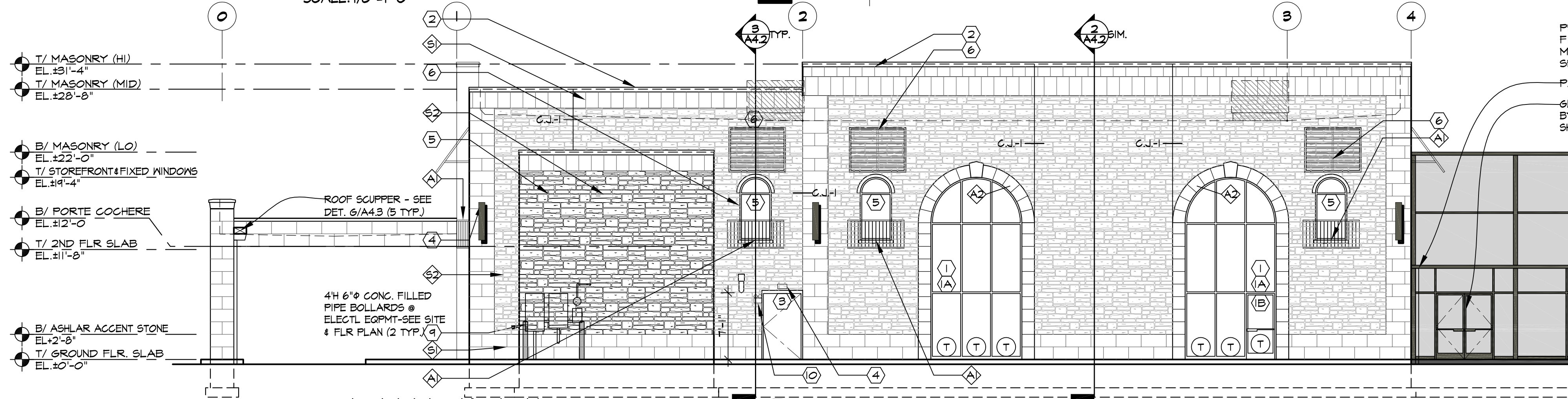




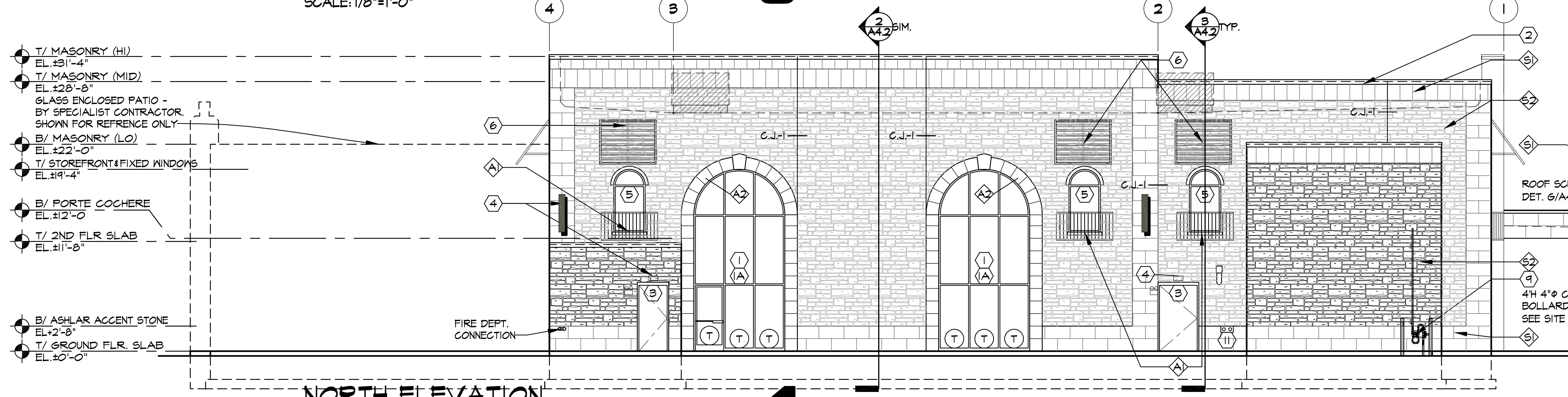
**WEST ELEVATION**  
SCALE: 1/8"=1'-0"



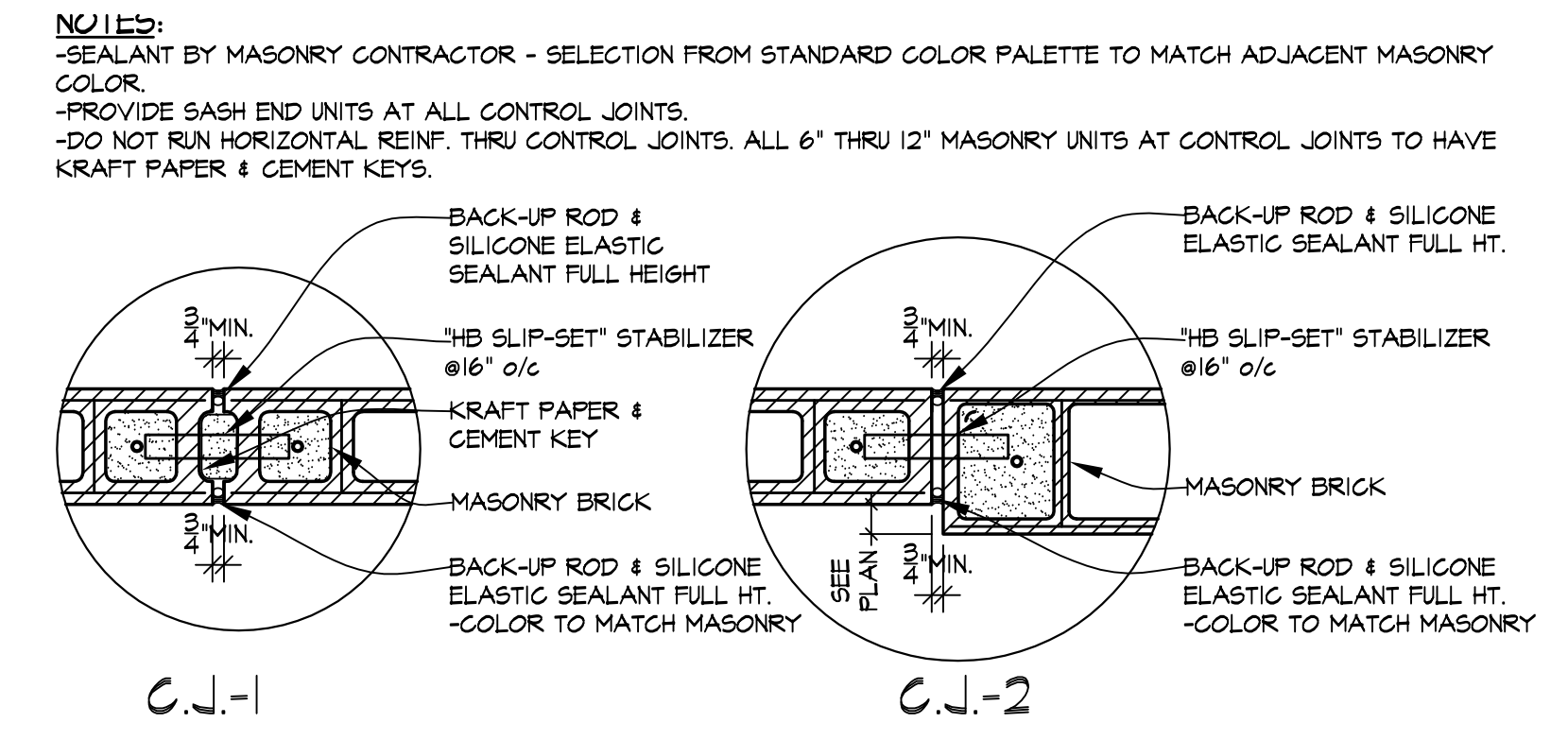
**EAST ELEVATION**  
SCALE: 1/8"=1'-0"



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



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



SEE ELEVATIONS FOR MASONRY SELECTIONS/LOCATIONS. MODIFY PER WALL SECTION AS REQUIRED MULTI WYTHE WALLS.  
**MASONRY CONTROL JOINT DETAILS**  
SCALE: 1"=1'-0"

**NOTE:**  
EXTERIOR WALL DEPRESSIONS TO BE FILLED W/ CONCRETE TO ELEV. ±0'-0". IT IS THE CONCRETE CONTRACTOR'S RESPONSIBILITY TO REMOVE ANY MASONRY SHIMS USED TO TEMPORARILY FILL PIER DEPRESSIONS.

**MASONRY EXTERIOR FINISH LIST/ ELEVATION KEYED NOTES**

MASONRY WALL - STONE VENEER W/ NOMINAL 8x8/10x16 CMU BACKUP. SEE MASONRY NOTES & WALL SECTIONS FOR ADD'L INFO, SIZES, SPECS & COLORS. NOTE: 24" LENGTHS OF ACCENT STONE NOT ALLOWED ON PIERS/PILASTERS.

- ⑤ MAIN STONE VENEER #1: 4"D. x 16"H. x 24"L. NOM. MANUF. HARVEY CEMENT - SAVANNAH STONE FINISH: SMOOTH COLOR: TO BE SELECTED BY OWNER
- ⑥ MAIN STONE VENEER #2: RANDOM ASHLAR PATTERN MANUF. EDEN VALDERS FINISH: DIMENSIONAL SPLITFACE COLOR: DOVEWHITE SIZE: (HEIGHTS: 2 1/4", 5", 7 1/4", 10 1/4" 13 1/4") x (LENGTHS: 8" TO 36") x 3 3/8"D.
- ⑦ ACCENT STONE SILL: 6"D. x 4"H. x 16"L. NOM. MANUF. HARVEY CEMENT - SAVANNAH STONE FINISH: SMOOTH COLOR: TO BE SELECTED BY OWNER
- ⑧ ACCENT STONE VENEER: 4"D. x 16"H. x 16"L. NOM. MANUF. HARVEY CEMENT - SAVANNAH STONE FINISH: SMOOTH COLOR: TO BE SELECTED BY OWNER
- ① ALUMINUM STOREFRONT: MANUFACTURER: KANNEER, EFCO, OR OLDCASTLE (VISTAWALL) - COLOR: MEDIUM BRONZE ANODIZED ALUMINUM SEALANT BY STOREFRONT CONTRACTOR. COLOR TO MATCH STOREFRONT
- ② STOREFRONT GLAZING: 1" INSULATED GLASS W/ MAX. U-FACTOR OF 0.29 AND SHGC OF 0.38 - GUARDIAN SN-68 LOW-E GLASS (CLEAR), OR APPROVED EQUAL. LITES W/ PORTIONS BELOW 2'-0" A.F.F. TO BE TEMPERED. ADDITIONAL LITES TEMPERED AS NOTED BY 'T'
- ③ ALUMINUM STOREFRONT DOOR: COLOR: MEDIUM BRONZE ANODIZED ALUMINUM
- ④ SHEET METAL COPINGS, GUTTER, 3x4 DOWNSPOUTS, FASCIAS: PETERSEN ALUMINUM, PREFINISHED KYNAR 500 (DOWNSPOUTS @ PORTE COCHERE SPRINKLER) COLOR: TO BE SELECTED BY OWNER
- ⑤ EXTERIOR INSULATED HOLLOW METAL DOORS AND FRAMES: FACTORY PRIME/ FIELD PAINTED TO MATCH FIELD BRICK (SEMI-GLOSS)
- ⑥ WALL MOUNTED LIGHT FIXTURES/EQUIPMENT: SEE ELECTRICAL DRAWINGS FOR FIXTURE SPECIFICATION AND LOCATION COLOR: MATCH STOREFRONT
- ⑦ DECORATIVE WINDOW: SURFACE MNTD MED. BRZ. 3/5x6'-8" FRAME & 1" INSULATED OPAQUE DARK BROWN GLASS. SEE KEYED NOTES #1 AND #1A FOR SPECIFICATIONS.
- ⑧ DECORATIVE ALUM. AWNINGS & STEEL RAILING: BY SPECIALTY AWNING FABRICATOR AWNING SIZE: 66" W x 12' L SLOPE: 3:6 D AWNING COLOR: TO MATCH STOREFRONT
- ⑨ SIGNAGE: UNDER SEPARATE PERMIT AND INSTALLED BY SIGN CONTRACTOR. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION.
- ⑩ ADDRESS NUMBERS ON FRONT WINDOWS: 6" TO PROVIDE & INSTALL 6" TALL VINYL WHITE ON BLACK ADDRESS NUMBERS ON FRONT WINDOWS/ 8" TALL ON EAST SIDE - CENTERED OVER DOOR, BOTTOM EDGE OF NUMBER SHALL SET 4" ABOVE FRAME. NUMBERS BY FAST SIGN, FONT: STANDARD BOLD CONDENSED, FONT SIZE: 5.75", COMPRESSION: NONE, BLACK OUTLINE: 300", BLEED: .02, PRINTED ON GERBER EDGR II, VINYL; ORACLAS 651 WHITE, THICKNESS: 2.5 MIL.
- ⑪ BOLLARDS: SEE SITE & FLOOR PLAN 4" HIGH, 6" CONG. FILLED PIPE BOLLARDS @ GAS AND ELEC. SERVICE. PAINT 2 COATS OF YELLOW OVER RUST PRIMER.
- ⑫ KEY KNOX BOX: SHALL BE INSTALLED TO PROVIDE ACCESS TO ALL PORTIONS OF THE BUILDING. (BE PURCHASED FROM THE FIRE DEPT.) VERIFY ALL REQUIREMENTS WITH THE VILLAGE ON NEW LENOX FIRE PROTECTION DISTRICT.
- ⑬ FROST PROOF WALL HYDRANT/DOWNSPOUT NOZZLE SEE PLUMBING DRAWINGS FOR FIXTURE SCHEDULE.

**GLAZING NOTES:**  
A) ALL GLAZING MARKED ON EXTERIOR ELEVATIONS WITH 'T' TO BE TEMPERED GLASS COMPLYING WITH THE TEST REQUIREMENTS OF CPSC 16 CFR 1201.  
B) ALL STOREFRONT GLAZING SHALL CONSIST OF 1" CLEAR INSULATED LOW E" GLASS WITH NFRC LABELS TO INDICATE COMPLIANCE WITH THE IECC - SEE EXTERIOR FINISH LIST & SECTIONS FOR MORE INFO.  
C) ALL STOREFRONT GLAZING SHALL NOT EXCEED THE U-FACTOR OF 0.29 AND SHGC OF 0.38 USING THE AREA-WEIGHTED FF VALUE.

REVISIONS	
10/11/2024	FOR BIDDING
10/11/2024	FOR PERMIT
10/11/2024	FOR CONTRACTING
10/11/2024	FOR CONSTRUCTION

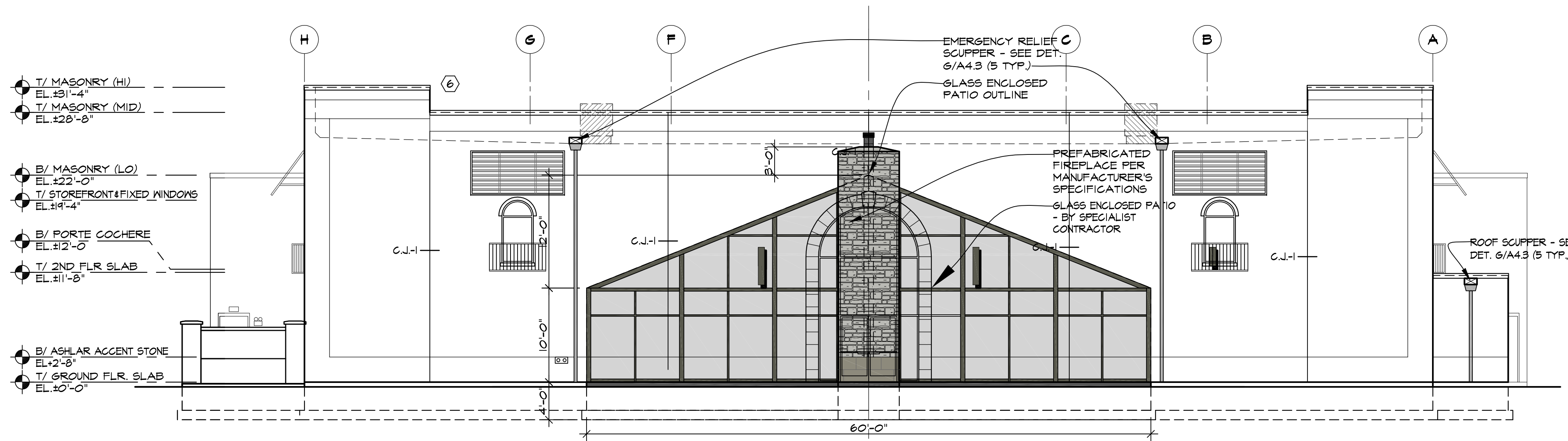
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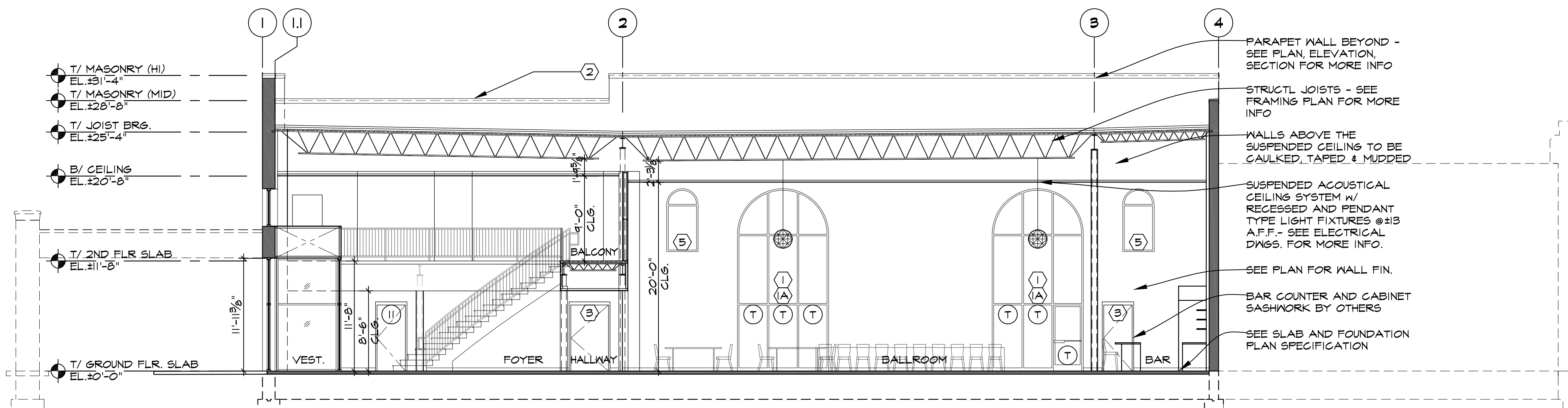
**SHEET TITLE**  
MASONRY EXTERIOR FINISH LIST  
DETAILS

**2428**

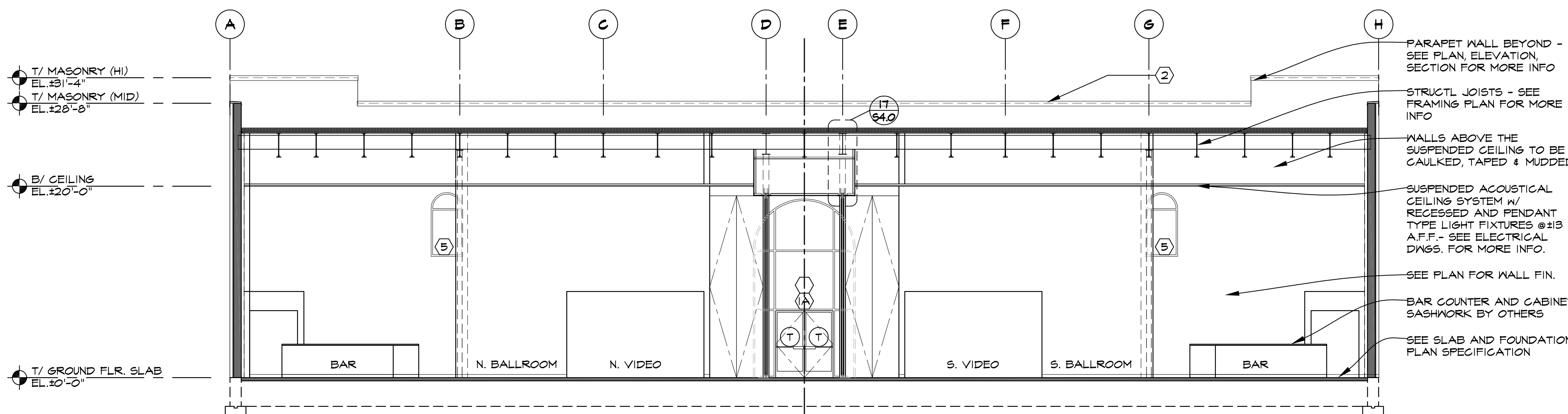
**A3**



**EAST ELEVATION (COVERED PATIO)**  
SCALE: 1/8"=1'-0" **1**

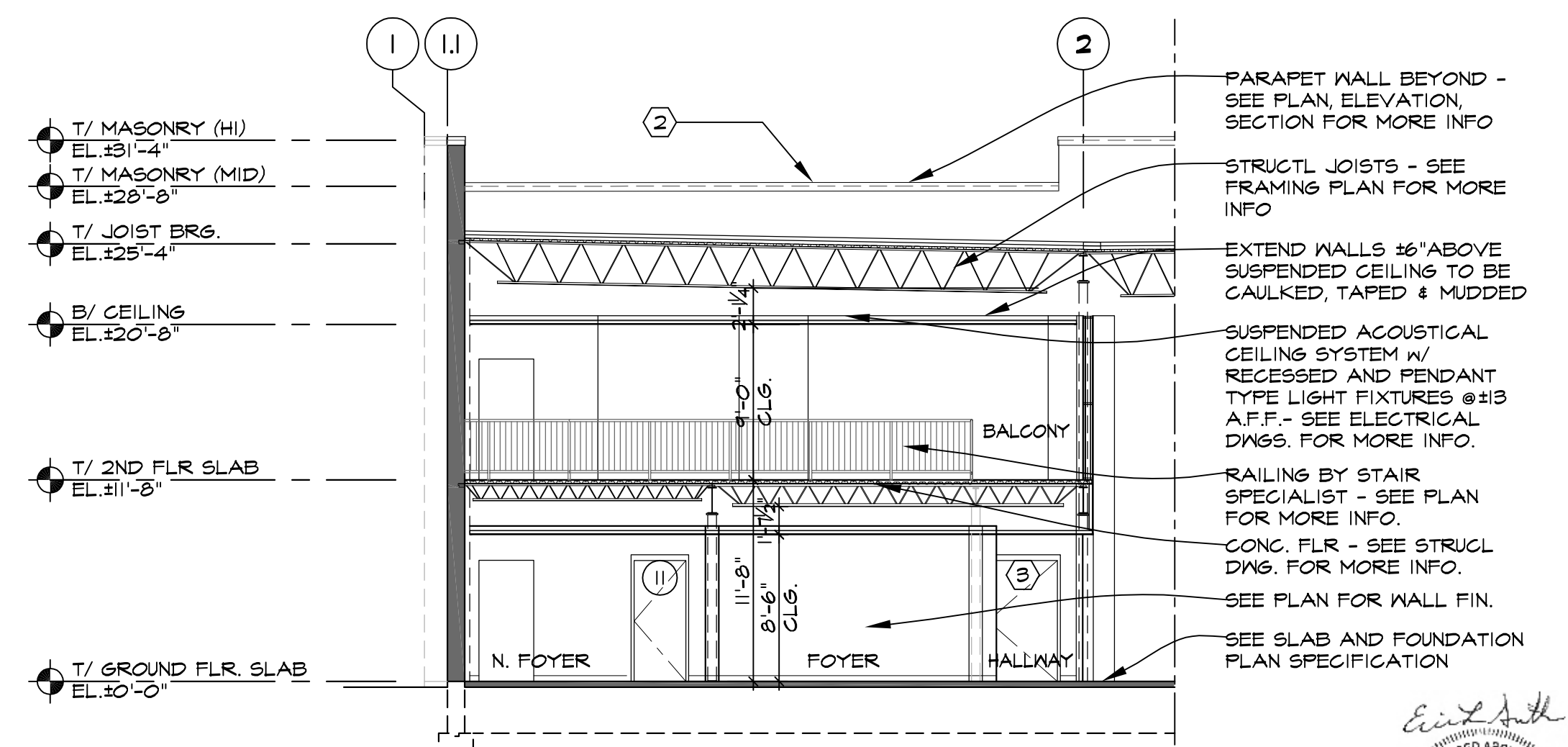


**BLDG SECTION: EAST-WEST**  
SCALE: 1/8"=1'-0" **2**



**BLDG SECTION: NORTH-SOUTH**  
SCALE: 1/8"=1'-0" **3**

- MASONRY NOTES:**
- STANDARDS: COMPLY WITH RECOMMENDATIONS OF BRICK INSTITUTE OF AMERICA (BIA), AND NATIONAL CONCRETE MASONRY ASSOC. (NCMA) AND THE REQUIREMENTS OF THE CURRENT BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530/ASCE 5) AND SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530.1/ASCE 6)
  - CONCRETE MASONRY UNITS (CMU): ASTM C 90, GRADE N-1. PROVIDE "MEDIUM WEIGHT" UNITS (MIN. 105 PCF) W/ A MINIMUM COMPRESSIVE STRENGTH, F<sub>M</sub> OF 2000 PSI. (NOMINAL SIZES: 4"x8"x16, 8"x8"x16)
  - STONE VENEER UNITS: ASTM C 90. PROVIDE MEDIUM WEIGHT UNITS (MIN. 125 PCF) W/ A MINIMUM COMPRESSIVE STRENGTH F<sub>M</sub> OF 1400 PSI. SEE EXTERIOR FINISH LIST ON EXTERIOR ELEVATIONS, WALL SECTIONS & PLANS FOR SIZES, PROVIDE MISC. SIZES AS REQUIRED.
- SELECTION:**  
SAVANNAH STONE, MANUF. HARVEY CEMENT PRODUCTS, INC./108-333-1900 WWW.HARVEYCEMENT.COM  
VALDERS STONE, MANUF. EDEN VALDERS
- SEE EXTERIOR FINISH SCHEDULE FOR MORE INFORMATION
- CONTRACTOR OPTION:** SUBMIT ALTERNATE STONE VENEER SUPPLIER FOR ARCHITECT'S APPROVAL. SEE EXTERIOR ELEVATIONS & WALL SECTIONS FOR MORE INFORMATION
- CMU MORTAR: ASTM C 270, TYPE S; APPROXIMATELY 3:1:1 PORTLAND CEMENT, LIME, SAND FOR EXTERIOR WORK. COLOR: NATURAL. STONE VENEER MORTAR: TYPE N W/ RAINBLOC MORTAR ADDITIVE.
  - PROVIDE INTEGRAL POLYMER WATER REPELLENT, "DRY-BLOCK MORTAR ADMIXTURE", AS MANUFACTURED BY W.R. GRACE AND COMPANY (800) 588-1066. THIS SAME ADMIXTURE SHALL BE ADDED TO THE MORTAR BY THE MASONRY CONTRACTOR, PER MANUFACTURER'S SPECIFICATIONS.
  - PORTLAND CEMENT: ASTM C 150, TYPE I, NON-STAINING, NO AIR ENTRAINMENT, WHITE IF NEEDED FOR COLOR MATCH.
  - LIME: HYDRATED LIME, ASTM C 201, TYPE S.
  - SAND: ASTM C 144, OR FINER IF NEEDED FOR JOINT SIZES LESS THAN 1/4"
  - INSTALL (LAY) THRU-WALL BRICK UNITS IN 1/2 RUNNING BOND PATTERN & CMU IN RUNNING BOND PATTERN.
  - CUT EXPOSED MASONRY UNITS, WHERE NECESSARY, WITH A POWER SAW. AVOID THE USE (BY PROPER LAYOUT) OF LESS-THAN-HALF-SIZE UNITS.
  - HOLD UNIFORM JOINT SIZES AS INDICATED, OR IF NOT INDICATED, HOLD JOINT SIZES TO SUIT MODULAR SIZE OF MASONRY UNITS.
  - CUT JOINTS FLUSH AND TOOL SLIGHTLY CONCAVE, UNLESS OTHERWISE INDICATED.
  - REINFORCE HORIZONTAL JOINTS WITH CONTINUOUS MASONRY WIRE REINFORCING, SPACED 16" VERTICALLY, EXCEPT SPACED 8" IN PARAPET WALLS AND IMMEDIATELY ABOVE AND BELOW OPENINGS, FOR A DISTANCE OF 2 FEET BEYOND THE OPENING IN ALL FOUR DIRECTIONS. DO NOT BRIDGE CONTROL AND EXPANSION JOINTS IN THE WALL SYSTEM.
  - COMPLETELY FILL WITH MORTAR COLLAR JOINTS IN MULTI-WYTHE MASONRY WALLS.
  - COMPLETELY FILL WITH MORTAR HEAD (VERTICAL) JOINTS IN ALL MASONRY WORK.
  - WHERE INDICATED, COMPLETELY FILL CORES OF MASONRY UNITS FOR FULL HEIGHT OF THE WALL WITH THE TYPE S MORTAR OR CONCRETE.
  - PROVIDE CONTROL AND EXPANSION JOINTS AT LOCATIONS SHOWN, AND KEEP CLEAN OF MORTAR DROPPINGS/ SQUEEZE - OUT.
  - IF LOCATIONS ARE NOT SHOWN, SPACE CONTROL JOINTS 25'-0" (HORIZONTALLY) FOR MASONRY.
  - THE CONTRACTOR SHALL BRACE WALLS ADEQUATELY DURING CONSTRUCTION UNTIL THE ROOF AND FLOOR STRUCTURE ARE IN PLACE.
  - THE WORK IN PROGRESS WILL BE INSPECTED BY THE OWNER'S REPRESENTATIVE IN ACCORDANCE WITH SECTION 1.5 OF ACI 530.1.
  - JOIST BEARINGS - USE CMU BOND BEAM WITH REBAR PER STRUCTURAL DRAWINGS OR A MINIMUM OF 3 CONCRETE BLOCK BRICK COURSES OR FILL ONE COURSE OF CONCRETE BLOCK SOLID WITH GROUT UNDER EACH JOIST.
  - BEAM BEARING - USE SOLID CONCRETE BLOCK 2 COURSES WIDE BY 3 COURSES DEEP UNDER EACH BEAM OR SOLID GROUTED MASONRY OF 24" x 32" W.
  - PILASTERS - FILL SOLID WITH GROUT (SEE BEAM BEARING NOTE # 21).
  - CLEANING: DO NOT USE ACID WASH. MASONRY WALLS ARE TO BE CLEANED SEVEN DAYS AFTER COMPLETION WITH A DETERGENT SOLUTION OR OTHER PROPRIETARY SOLUTION. WALLS SHOULD BE THOROUGHLY SATURATED WITH CLEAR WATER BEFORE AND AFTER CLEANING SOLUTION IS APPLIED.
- MASONRY REINFORCING NOTES:**
- PROVIDE REINFORCED UNIT MASONRY W/ RUNNING BOND.
  - REINFORCED CONCRETE UNIT SYSTEM SHALL CONSIST OF THE FOLLOWING:
    - MEDIUM WEIGHT HOLLOW LOAD-BEARING CONCRETE MASONRY UNITS CONFORMING W/ ASTM C 90, GRADE N TYPE I.
    - REINFORCING BARS SHALL BE ASTM A615-60 AND SHALL HAVE DEFORMATIONS IN ACCORDANCE TO ASTM SPECIFICATION A305.
    - TYPE S MORTAR W/ A MINIMUM COMPRESSIVE UNIT STRESS FOR THE MASONRY ASSEMBLY, F<sub>M</sub> = 2000 PSI.
    - GROUT SHALL BE COARSE GROUT CONFORMING TO ASTM C 416 W/ A MINIMUM COMPRESSIVE ASSEMBLY, F<sub>M</sub> = 2000 PSI. STRENGTH OF 2000 PSI.
  - THE REINFORCED CONCRETE MASONRY UNITS SHALL BE ERECTED USING THE LOW LIFT METHOD.
  - PROVIDE ONE NUMBER FIVE (5) BAR MINIMUM AROUND ALL DOOR OPENINGS UNLESS NOTED OTHERWISE. SEE SPECS FOR SPECIAL TIE.
  - VERTICAL REINFORCING BARS SHALL BE AS SHOWN ON DRAWINGS W/ LADDER TYPE HORIZONTAL REINFORCING WITH FOUR(4) NO. 1 GAGE BARS AT 16" ON CENTER, UNO.
  - REINFORCING STEEL SHALL BE LAPPED 48 BAR DIAMETERS OR 24 INCHES, WHICHEVER IS GREATER, WHERE SPLICED, AND SHALL BE SEPARATED BY ONE BAR DIAMETER OR WIRED TOGETHER.
  - VERTICAL BARS SHALL BE HELD IN POSITION AT TOP AND BOTTOM AND AT INTERVALS NOT EXCEEDING 1/2 DIAMETERS OF REINFORCEMENT.
  - VERTICAL REINFORCING STEEL SHALL HAVE A CLEARANCE OF THREE QUARTERS OF AN INCH FROM MASONRY OR ADJACENT BARS, BUT NOT LESS THAN ONE BAR DIAMETER BETWEEN BARS.
  - ALL REINFORCING SHOWN ON DRAWINGS SHALL BE GROUTED FULL LENGTH.
  - ALL GROUT SHALL BE PUDDLED OR VIBRATED IN PLACE.
  - VERTICAL CELLS TO BE FILLED SHALL HAVE VERTICAL ALIGNMENT TO MAINTAIN A CONTINUOUS UNOBSTRUCTED CELL AREA NOT LESS THAN 2' x 3'.
  - CELLS CONTAINING REINFORCEMENT SHALL BE SOLIDLY FILLED W/ GROUT AND FOURS SHALL BE STOPPED ONE AND ONE HALF INCHES BELOW THE TOP OF A COURSE TO FORM A KEY AT FOUR JOINTS.
  - ALL BOLTS, ANCHORS, ETC. INSERTED IN THE WALL SHALL BE SOLIDLY GROUTED IN PLACE.
- VENEER STONE INSTALL'N SPECIFICATION NOTES:**
- 4" HORIZONTAL JOINT RE-INFORCING 9 GA. PENCIL ROD WIRED INSTALLED EVERY HORIZONTAL COURSE.
  - CONTROL JOINTS LOCATION AS SHOWN ON PLANS AND DETAILS.
    - APPROX. 4'-8" FROM CORNERS.
    - ALL INSIDE CORNERS, ESPECIALLY AT WALL PIERS.
    - AT THE CORNER/SIDE OF ANY LARGE OPENING OR WINDOW (IF OPENINGS ARE OVER 6' LOCATE AT BOTH SIDES).
    - AT WALL HEIGHT CHANGES.
  - MORTAR TO BE USED SHOULD BE TYPE N MORTAR.
  - USE RAINBLOC MORTAR ADDITIVE IN THE MORTAR.
  - RAKE AND CAULK ALL HEAD JOINTS FOR WINDOW SILLS AND COPING UNITS.



**BLDG SECTION: EAST-WEST PARTIAL**  
SCALE: 1/8"=1'-0" **4**

**REVISIONS**

NO.	DATE	DESCRIPTION
1	10/11/2024	FOR COORDINATION
2	10/11/2024	FOR PERMIT
3	10/11/2024	FOR CONTRACTING
4	10/11/2024	FOR CONSTRUCTION

**THIS DRAWING**

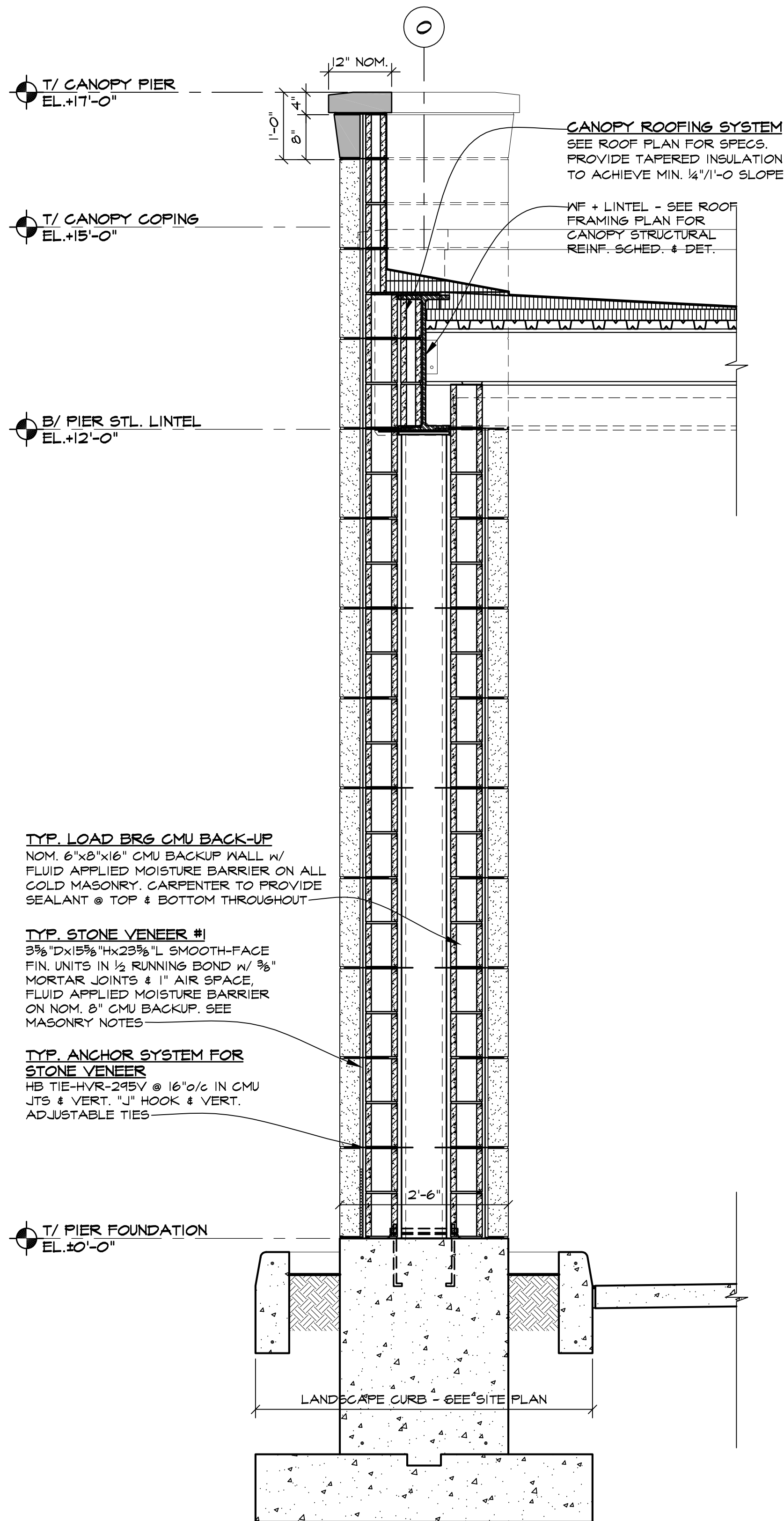
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370 VETERANS PARKWAY, NEW LENOX, ILLINOIS  
FOR: UNLIMITED MASONRY AND CONSTRUCTION, INC.

**SHEET TITLE**  
CONSTRUCTION SECTION  
2428

**ERIC L. SMITH**  
REGISTERED ARCHITECT  
STATE OF ILLINOIS  
001-031514  
04/18/2011

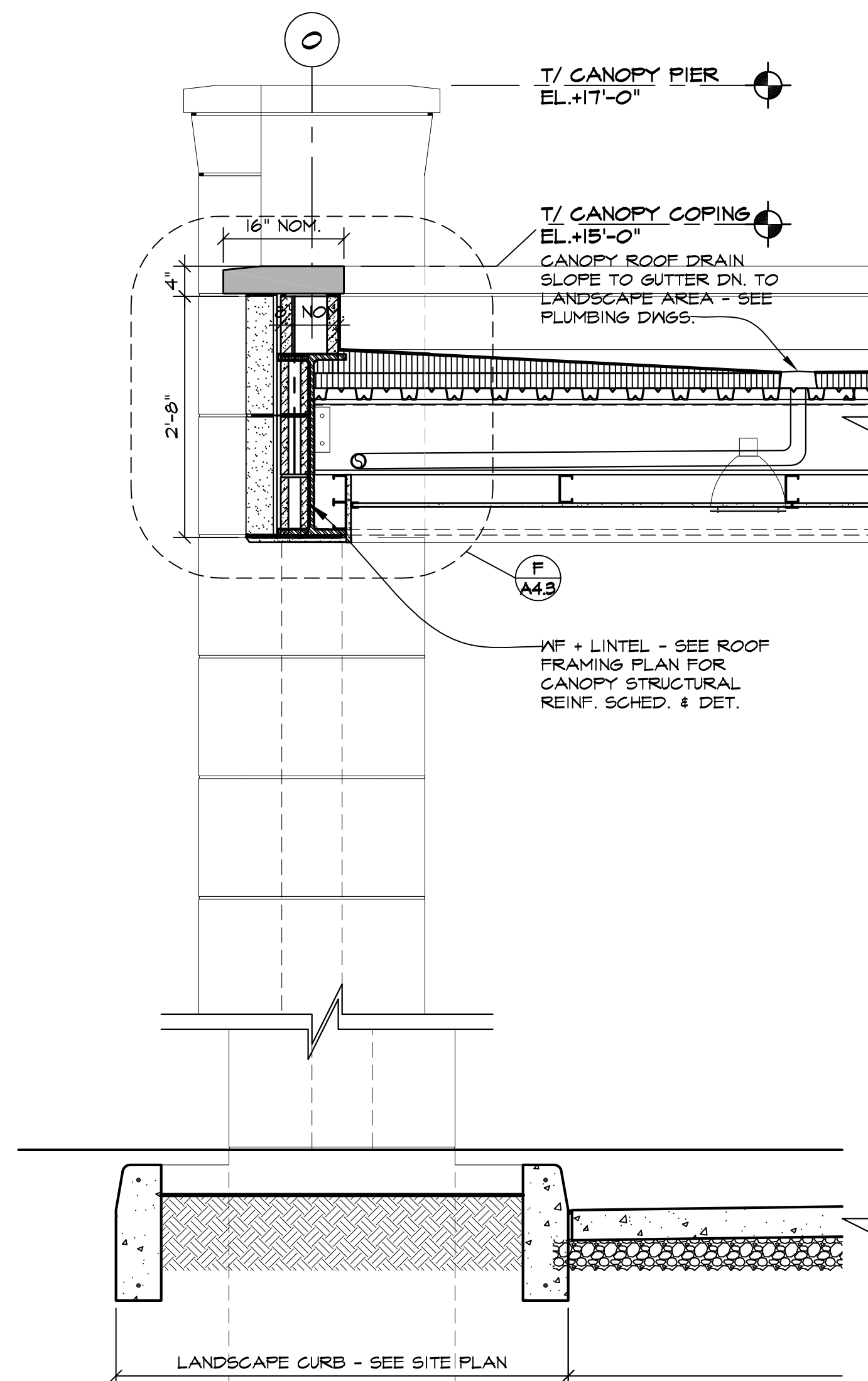
**A 3.1**



**WALL SECTION**

SCALE: 3/8" = 1'-0"

**2**



**WALL SECTION**

SCALE: 3/8" = 1'-0"

**1**

**ROOFING SYSTEM SPECIFICATIONS**

**SINGLE-PLY ROOF SYSTEM:**  
FULLY-ADHERED 45 MIL (BLACK OR WHITE EPDM) (OR WHITE TPO) ROOFING MEMBRANE OVER 2 LAYERS OF 2.5" ISOCYANURATE INSULATION MECHANICALLY FASTENED TO METAL ROOF DECK. MINIMUM INSULATION "R" VALUE SHALL BE 30. ROOF SYSTEM SHALL HAVE 40 MPH WIND RESISTANCE. PHYSICAL INTEGRITY AND IMPACT RESISTANCE IN ACCORDANCE WITH ASTM 653, D3146 AND D4212. ALL ROOF COMPONENTS TO BE INSULATED PER MANUF. INSTRUCTIONS. ROOFING SYSTEM SHALL HAVE TWENTY (20) YEAR FULL SYSTEM NO DOLLAR LIMIT WARRANTY FROM DATE OF SUBSTANTIAL COMPLETION. ROOFING SYSTEM SHALL BE INSTALLED BY A QUALIFIED CONTRACTOR, APPROVED BY ROOFING SYSTEM MANUFACTURER, TO INSTALL MANUFACTURER'S PRODUCTS. ROOFING SYSTEM TO BE INSTALLED IN STRICT ACCORDANCE WITH THE ROOFING SYSTEM MANUFACTURER'S WRITTEN TECHNICAL SPECIFICATIONS. PROVIDE ROOFING SYSTEM BY THE FOLLOWING MANUFACTURERS, OR APPROVED EQUAL:  
- FIRESTONE BUILDING PRODUCTS (800)428-4442  
- CARLISLE, INC. (717)245-1000  
- JOHN'S MANVILLE (800)654-3103

**EXTRUDED POLYSTYRENE INSULATION BOARD**  
POLYSTYRENE BOARD INSULATION IS LIMITED TO A FLAME SPREAD OF 25 OR LESS (ACTUAL = 5) AND A SMOKE DEVELOPED RATING OF 450 OR LESS (ACTUAL = 165) PER ASTM E84. INSULATION AND STUDS TO BE FACED WITH A FACE LAYER OF 3/8" FIRECODE "C" GYPSUM DRYWALL PROTECTION AS REQUIRED BY CODE.

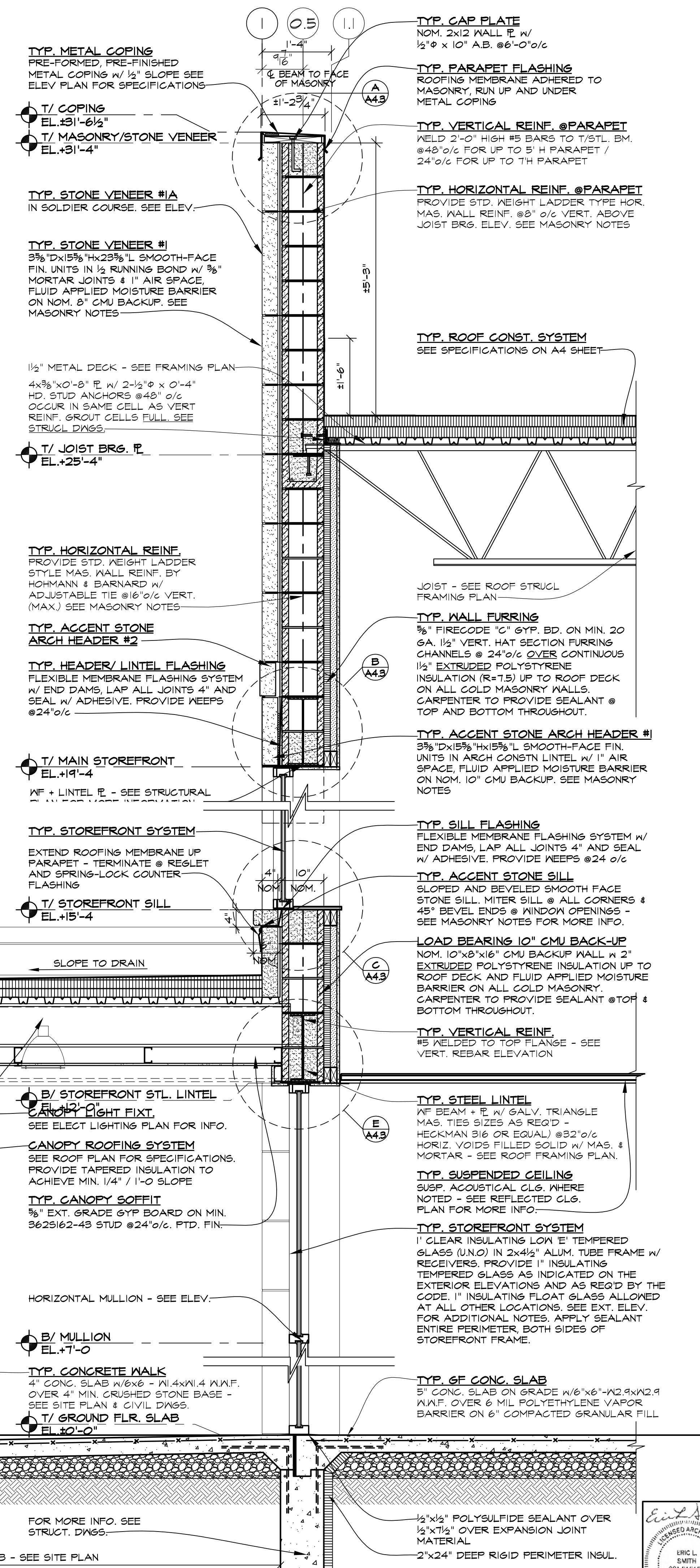
**FIBERGLASS INSULATION**  
FIBERGLASS INSULATION TO BE TYPE FLAME SPREAD 25 INSULATION FACED WITH A VAPOR BARRIER OF MAX. 10 PERM RATINGS WHEN TESTED IN ACCORDANCE WITH ASTM E 96. THE FLAME SPREAD INDEX OF "25 AND A SMOKE DEVELOPED INDEX OF "50 PER ASTM E84.

**PLYWOOD SHEATHING**  
ALL PLYWOOD ROOF & WALL SHEATHING SHALL BE FASTENED W/ 1" SCREWS @ 6" O/C @ SUPPORTED PLYWOOD EDGES, AND 12" O/C @ INTERMEDIATE SUPPORTS, U.N.O. ROOF & WALL PLYWOOD SHEATHING TO MEET DOC PS 1 OR 2 STD.

**GYPSUM BOARD & ACCESSORIES**  
ALL GYPSUM BOARD MATERIALS AND ACCESSORIES SHALL CONFORM TO THE APPROPRIATE STANDARDS LISTED BELOW:

ACCESSORIES FOR GYPSUM BD.	ASTM C 1047
GYPSUM WALLBOARD	ASTM C 718
JOINT REINF. TAPE & COMPOUND	ASTM C 474, C 475
STEEL SCREWS	ASTM C 454, C 1002
STEEL STUDS, NON-LOAD BEARINGS	ASTM C 645
WATER RESISTANT GYP. BACKING BD.	ASTM C 630
FIBER REIN. GYPSUM PANELS	ASTM C 1270
TESTING GYPSUM AND GYPSUM PRODUCTS	ASTM C 22, C 472, C 473

VERIFY JOIST ORIENTATION W/ ROOF FRAMING PLAN & DETAILS



**REVISIONS**

THIS DRAWING FOR CONSTRUCTION	10/11/2024
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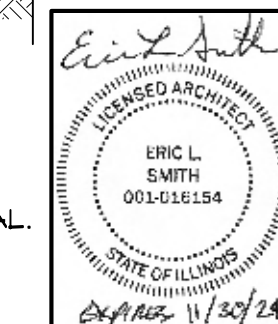
**KMA & ASSOCIATES, ARCHITECTS**  
2205 LAKESIDE DRIVE  
BANNOCKBURN, ILLINOIS  
(847)945-6869  
60015-1265  
FAX (847)945-0284

**PROPOSED**  
**AVANT GARDENS - BANQUET HALL**  
370 VETERANS PARKWAY, NEW LENOX, ILLINOIS  
FOR: UNLIMITED MASONRY AND CONSTRUCTION, INC.

**SHEET TITLE**  
WALL SECTION

**2428**

**A4**



**ROOFING SYSTEM SPECIFICATIONS**  
**SINGLE-PLY ROOF SYSTEM:**  
 FULLY-ADHERED 45 MIL (BLACK OR WHITE EPDM) (OR WHITE TPO) ROOFING MEMBRANE OVER 2 LAYERS OF 25" ISO-CYANURATE INSULATION MECHANICALLY FASTENED TO METAL ROOF DECK. MINIMUM INSULATION "R" VALUE SHALL BE 30. ROOF SYSTEM SHALL HAVE 90 MPH WIND RESISTANCE. PHYSICAL INTEGRITY AND IMPACT RESISTANCE IN ACCORDANCE WITH ASTM 659, D5746 AND D4212. ALL ROOF COMPONENTS TO BE INSULATED PER MANUF. INSTRUCTIONS. ROOFING SYSTEM SHALL HAVE TWENTY (20) YEAR FULL SYSTEM NO DOLLAR LIMIT WARRANTY FROM DATE OF SUBSTANTIAL COMPLETION. ROOFING SYSTEM SHALL BE INSTALLED BY A QUALIFIED CONTRACTOR, APPROVED BY ROOFING SYSTEM MANUFACTURER. TO INSTALL MANUFACTURER'S PRODUCTS, ROOFING SYSTEM TO BE INSTALLED IN STRICT ACCORDANCE WITH THE ROOFING SYSTEM MANUFACTURER'S WRITTEN TECHNICAL SPECIFICATIONS. PROVIDE ROOFING SYSTEM BY THE FOLLOWING MANUFACTURERS, OR APPROVED EQUAL:  
 - FIRESTONE BUILDING PRODUCTS (800)428-4442  
 - CARLISLE, INC. (717)245-7000  
 - JOHNS MANVILLE (800)654-3103

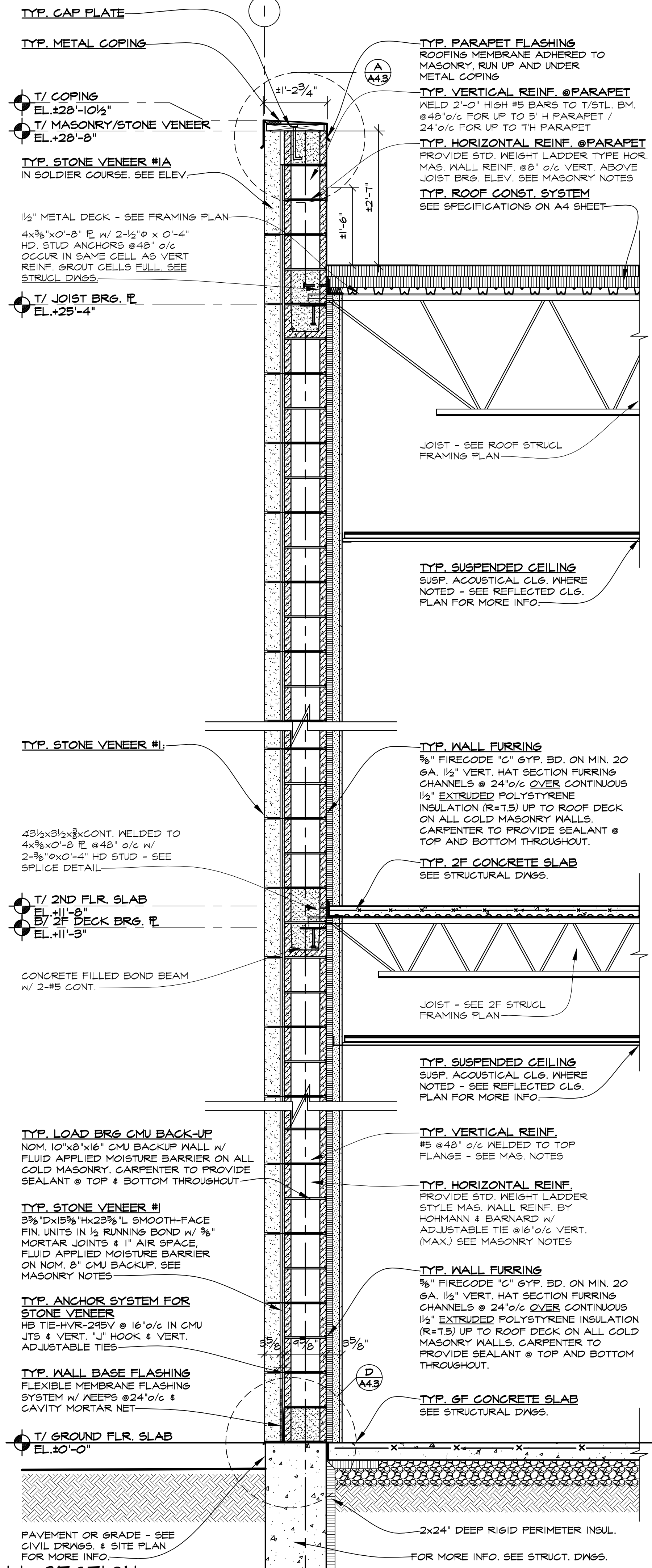
**EXTRUDED POLYSTYRENE INSULATION BOARD**  
 POLYSTYRENE BOARD INSULATION IS LIMITED TO A FLAME SPREAD OF 25 OR LESS (ACTUAL = 5) AND A SMOKE DEVELOPED RATINGS OF 450 OR LESS (ACTUAL = 165) PER ASTM E84. INSULATION AND STUDS TO BE FACED WITH A FACE LAYER OF 3/8" FIRECODE "C" GYPSUM DRYWALL PROTECTION AS REQUIRED BY CODE.

**FIBERGLASS INSULATION**  
 FIBERGLASS INSULATION TO BE TYPE FLAME SPREAD 25 INSULATION FACED W/ A VAPOR BARRIER OF MAX. 10 FERM RATING WHEN TESTED IN ACCORDANCE W/ASTM E 96. THE FLAME SPREAD INDEX OF Q5 & A SMOKE DEVELOPED INDEX OF 50 PER ASTM E84.

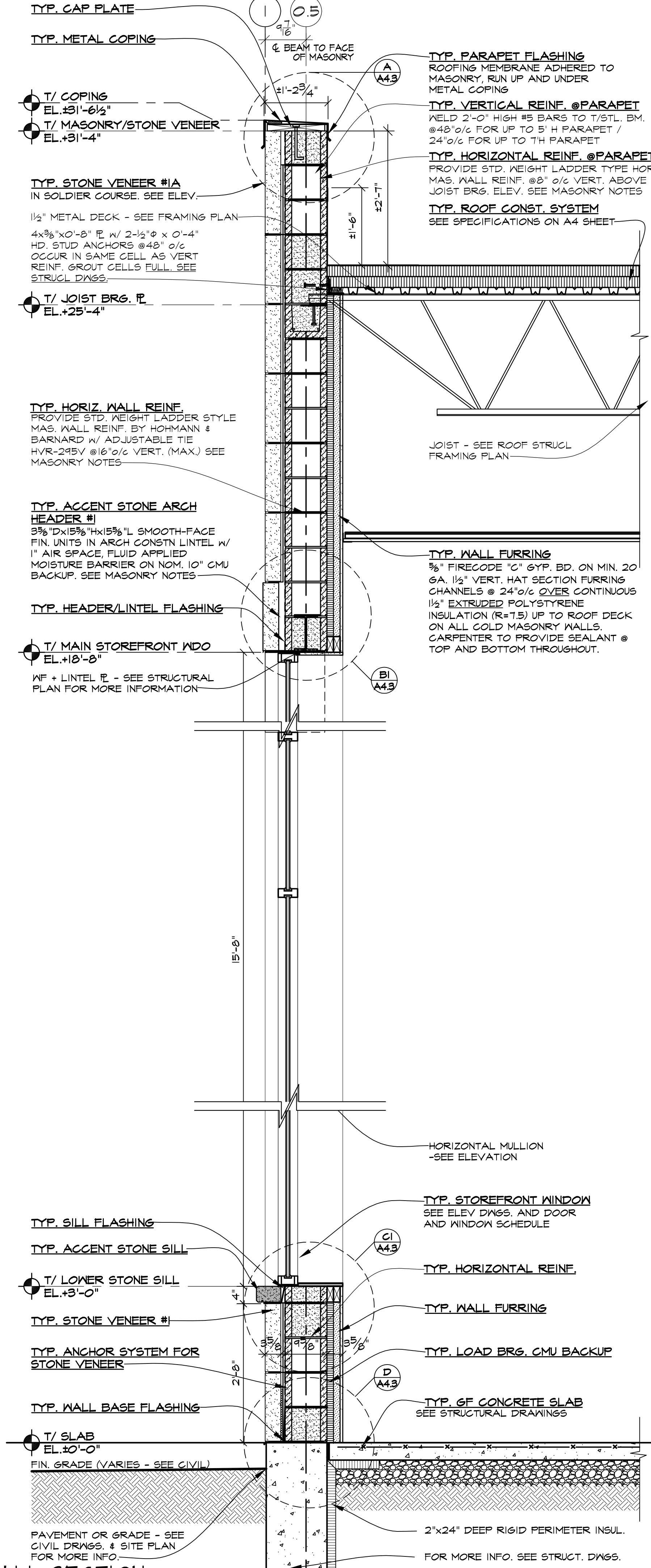
**PLYWOOD SHEATHING**  
 ALL PLYWOOD ROOF & WALL SHEATHINGS SHALL BE FASTENED W/ #8 SCREWS @ 6" O/C @ SUPPORTED PLYWOOD EDGES, AND 12" O/C @ INTERMEDIATE SUPPORTS, U.N.C. ROOF & WALL PLYWOOD SHEATHING TO MEET DOC. PS 1 OR 2 STANDARDS.

**GYPSUM BOARD & ACCESSORIES**  
 ALL GYPSUM BOARD MATERIALS AND ACCESSORIES SHALL CONFORM TO THE APPROPRIATE STANDARDS LISTED BELOW:  
 ACCESSORIES FOR GYPSUM BD.....ASTM C 1047  
 GYPSUM WALLBOARD.....ASTM C 71  
 JOINT REINF. TAPE & COMPOUND.....ASTM C 474, C 475  
 STEEL SCREWS.....ASTM C 154, C 1002  
 STEEL STUDS, NON-LOAD BEARINGS.....ASTM C 645  
 WATER RESISTANT GYP. BACKING BD.....ASTM C 630  
 FIBER REINF. GYPSUM PANELS.....ASTM C 1278  
 TESTING GYPSUM AND GYPSUM PRODUCTS.....ASTM C 22, C 412, C 479

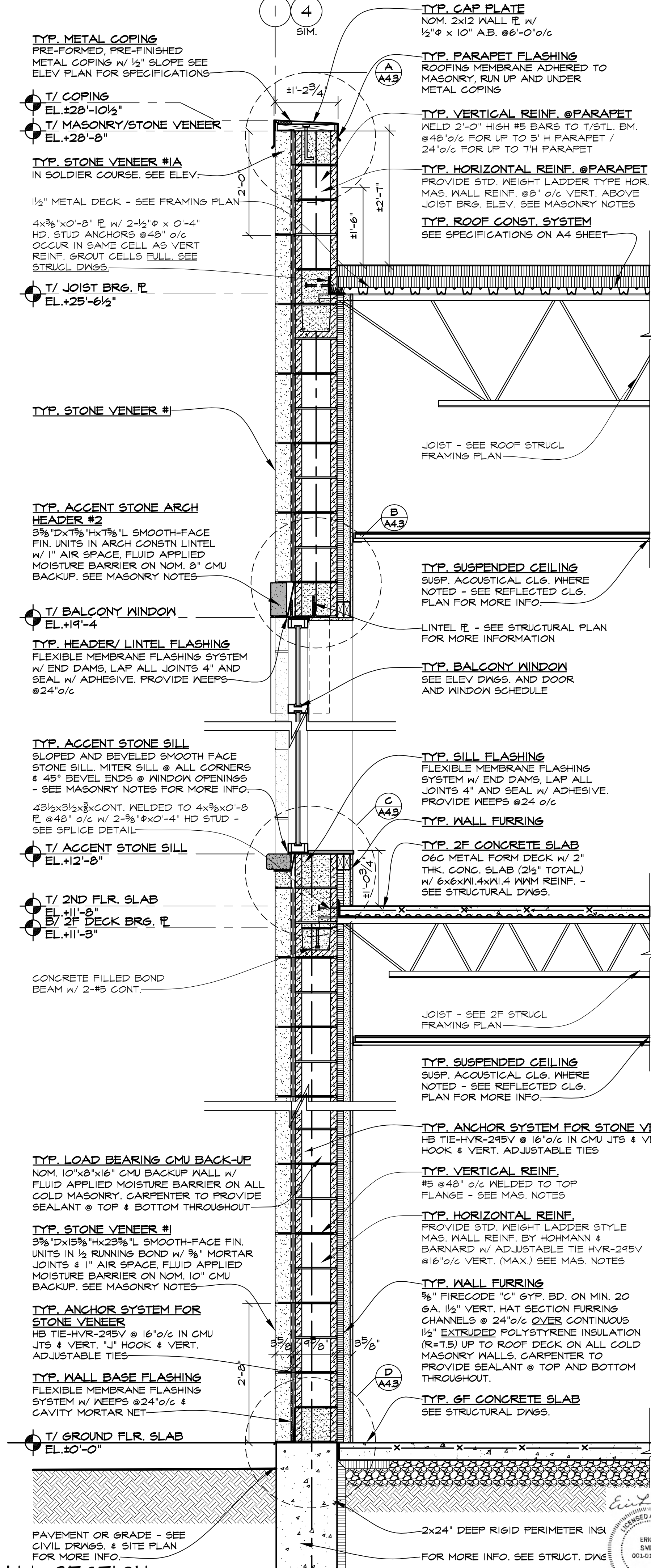
VER. JOIST ORIENTATION W/ROOF FRAMING PLAN 12E1



**WALL SECTION 3**  
 SCALE: 3/4" = 1'-0"



**WALL SECTION 2**  
 SCALE: 3/4" = 1'-0"



**WALL SECTION 1**  
 SCALE: 3/4" = 1'-0"

REVISIONS	
NOT FOR CONSTRUCTION	10/11/2024
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NOT FOR CONSTRUCTION	10/11/2024
FOR PERMIT	10/11/2024
NOT FOR CONSTRUCTION	10/11/2024
FOR CONSTRUCTION	10/11/2024

**ARCHITECTS**  
 KMA & ASSOCIATES, ARCHITECTS  
 2205 LAKESIDE DRIVE  
 BANNOCKBURN, ILLINOIS 60015-1265  
 (847)945-6669

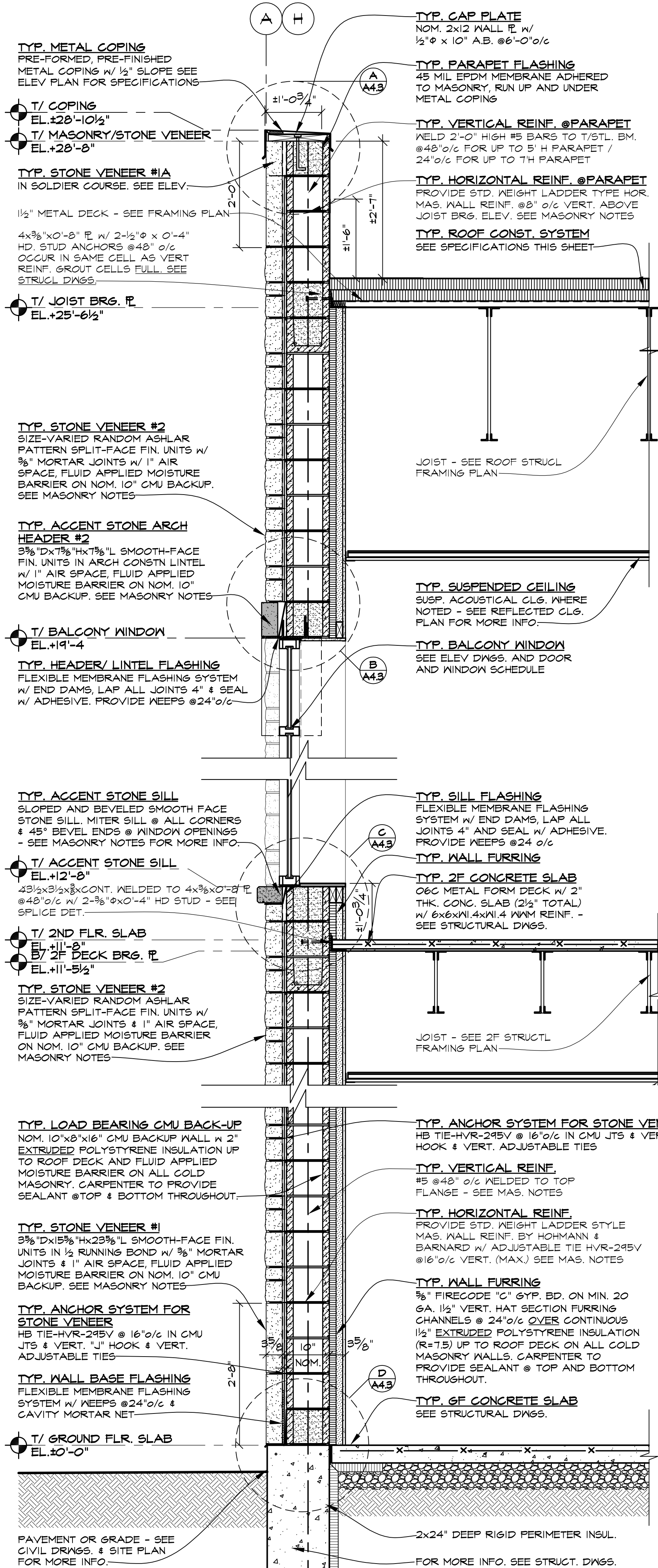
**PROPOSED**  
**AVANT GARDENS - BANQUET HALL**  
 370 VETERANS PARKWAY, NEW LENOX, ILLINOIS  
 FOR: UNLIMITED MASONRY AND CONSTRUCTION, INC.

**SHEET TITLE**  
 WALL SECTION  
 2428

**A 4.1**

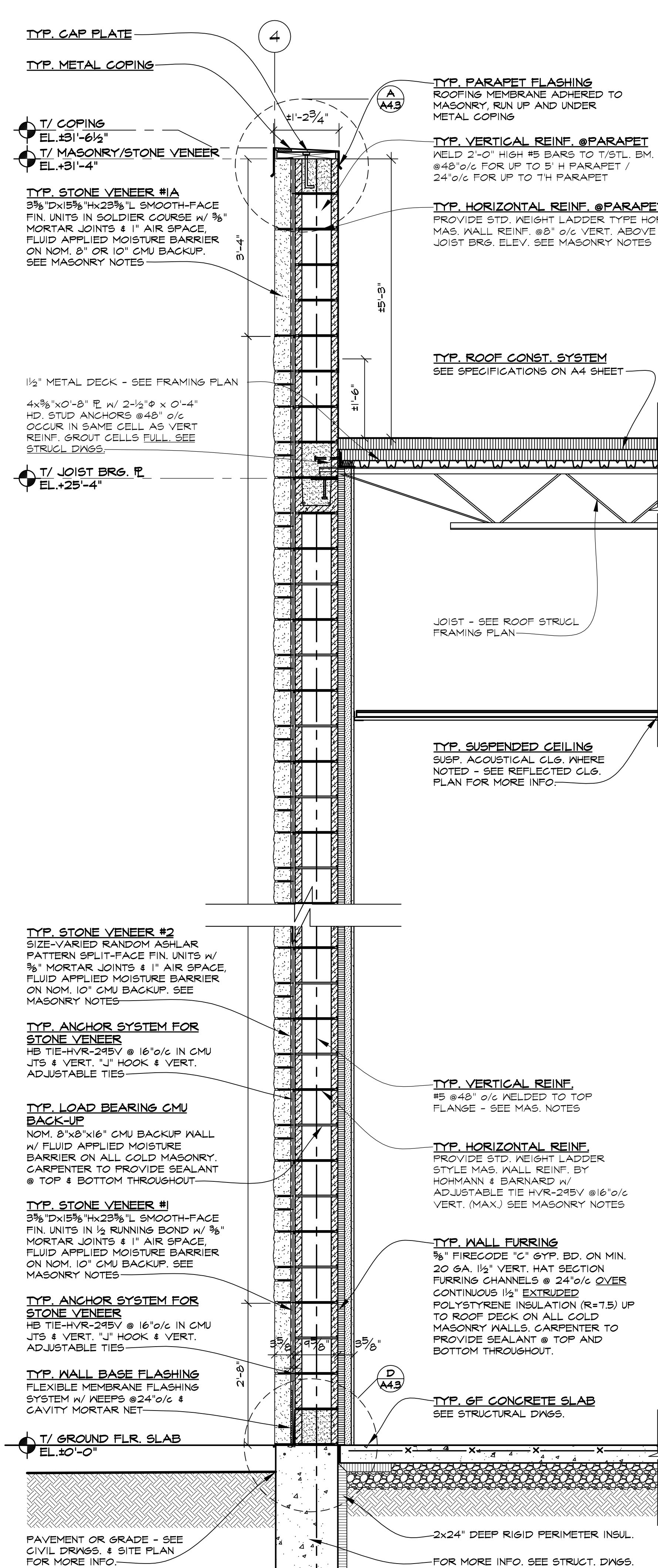
- ROOFING SYSTEM SPECIFICATIONS**  
SINGLE-PLY ROOF SYSTEM:  
FULLY-ADHERED 45 MIL (BLACK OR WHITE EPDM) (OR WHITE TPO) ROOFING MEMBRANE OVER 2 LAYERS OF 25 ISOCYANURATE INSULATION MECHANICALLY FASTENED TO METAL ROOF DECK. MINIMUM INSULATION "R" VALUE SHALL BE 30. ROOF SYSTEM SHALL HAVE 90 MPH WIND RESISTANCE. PHYSICAL INTEGRITY AND IMPACT RESISTANCE IN ACCORDANCE WITH ASTM 688, D3746 AND D4212. ALL ROOF COMPONENTS TO BE INSULATED PER MANUF. INSTRUCTIONS. ROOFING SYSTEM SHALL HAVE TWENTY (20) YEAR FULL SYSTEM NO DOLLAR LIMIT WARRANTY FROM DATE OF SUBSTANTIAL COMPLETION. ROOFING SYSTEM SHALL BE INSTALLED BY A QUALIFIED CONTRACTOR, APPROVED BY ROOFING SYSTEM MANUFACTURER TO INSTALL MANUFACTURER'S PRODUCTS. ROOFING SYSTEM TO BE INSTALLED IN STRICT ACCORDANCE WITH THE ROOFING SYSTEM MANUFACTURER'S WRITTEN TECHNICAL SPECIFICATIONS. PROVIDE ROOFING SYSTEM BY THE FOLLOWING MANUFACTURERS, OR APPROVED EQUAL:  
- FIRESTONE BUILDING PRODUCTS (800)428-4442  
- CARLSILE, INC. (711)245-1000  
- JOHNS MANVILLE (800)654-3103
- EXTRUDED POLYSTYRENE INSULATION BOARD**  
POLYSTYRENE BOARD INSULATION IS LIMITED TO A FLAME SPREAD OF 25 OR LESS (ACTUAL = 5) AND A SMOKE DEVELOPED RATING OF 450 OR LESS (ACTUAL = 165) PER ASTM E84. INSULATION AND STUDS TO BE FACED WITH A FACE LAYER OF 5/8" FIRECODE "C" GYPSUM DRYWALL PROTECTION AS REQUIRED BY CODE.
- FIBERGLASS INSULATION**  
FIBERGLASS INSULATION TO BE TYPE FLAME SPREAD 25 INSULATION FACED W/ A VAPOR BARRIER OF MAX. 1.0 PERM RATINGS WHEN TESTED IN ACCORDANCE W/ASTM E 96. THE FLAME SPREAD INDEX OF Q25 & A SMOKE DEVELOPED INDEX OF 60 PER ASTM E84.
- PLYWOOD SHEATHING**  
ALL PLYWOOD ROOF & WALL SHEATHING SHALL BE FASTENED W/8 SCREWS @6" O/C & SUPPORTED. PLYWOOD EDGES, AND 12" O/C @ INTERMEDIATE SUPPORTS, U.N.O. ROOF & WALL PLYWOOD SHEATHING TO MEET DOC P5 1 OR 2 STANDARDS
- GYPSUM BOARD & ACCESSORIES**  
ALL GYPSUM BOARD MATERIALS AND ACCESSORIES SHALL CONFORM TO THE APPROPRIATE STANDARDS LISTED BELOW.  
ACCESSORIES FOR GYPSUM BD.....ASTM C 1041  
GYPSUM WALLBOARD.....ASTM C 714  
JOINT REIN. TAPE & COMPOUND.....ASTM C 474, C 475  
STEEL SCREWS.....ASTM C 454, C 1002  
STEEL STUDS, NON-LOAD BEARING.....ASTM C 645  
WATER RESISTANT GYP. BACKING BD.....ASTM C 630  
FIBER REIN. GYPSUM PANELS.....ASTM C 1278  
TESTING GYPSUM AND.....ASTM C 22, C 472, C 473  
GYPSUM PRODUCTS.....

VER. JOIST ORIENTATION W/ROOF FRAMING PLAN & DET.



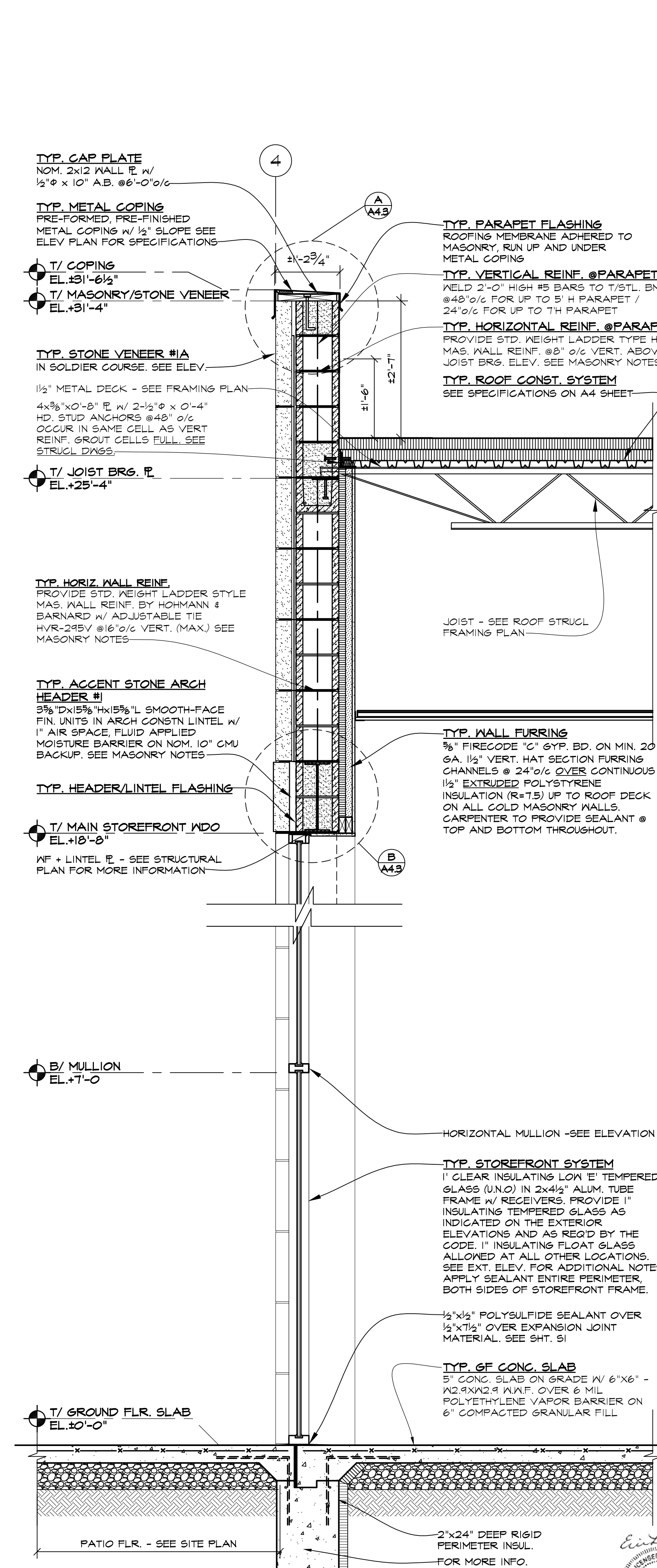
WALL SECTION 3

SCALE: 3/4" = 1'-0"



WALL SECTION 2

SCALE: 3/4" = 1'-0"



WALL SECTION 1

SCALE: 3/4" = 1'-0"

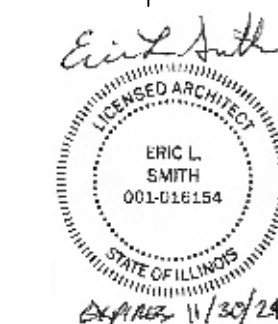
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NO. 2	FOR REVISION
NO. 3	FOR REVISION
NO. 4	FOR CONSTRUCTION

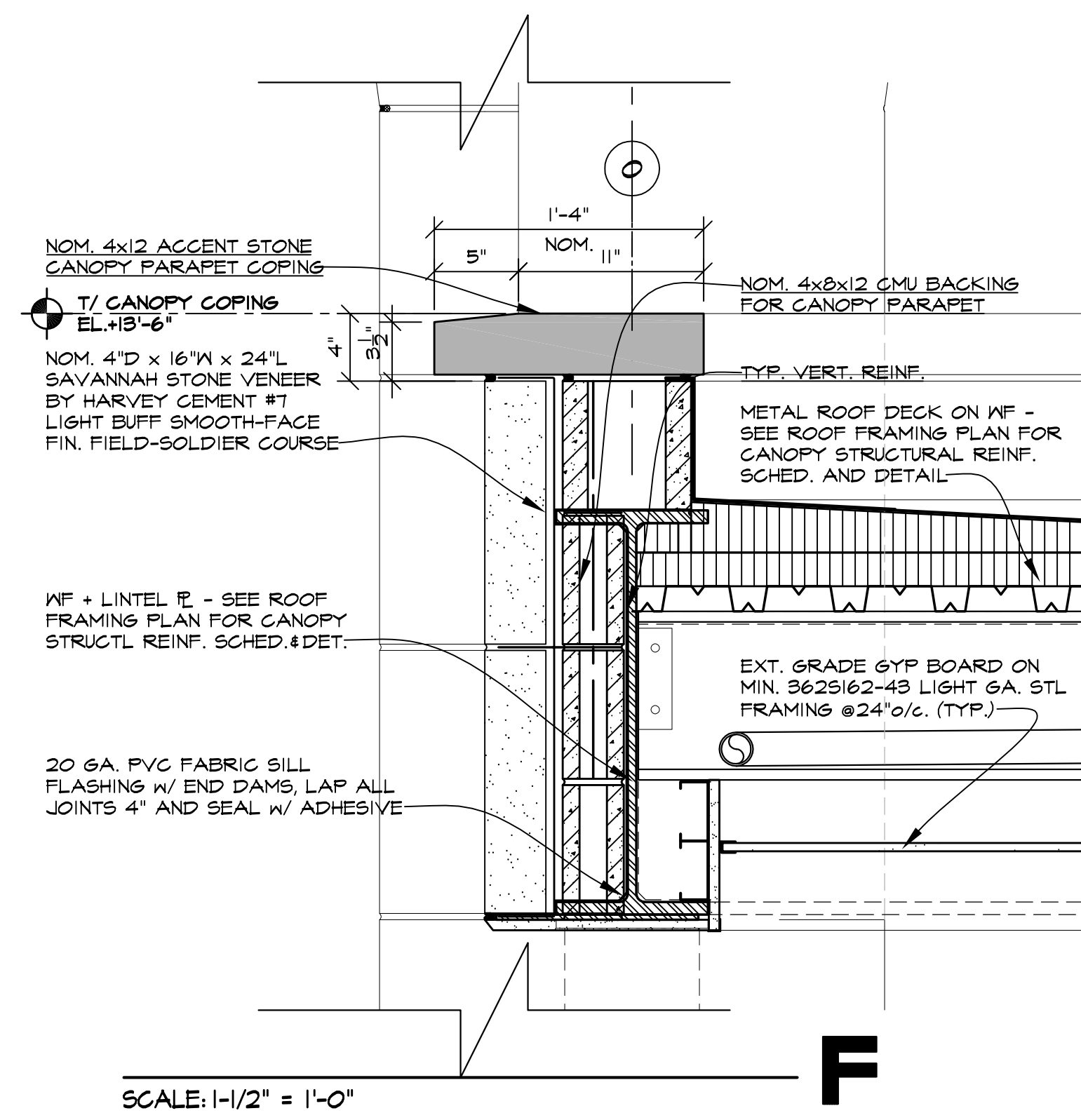
**KMA & ASSOCIATES, ARCHITECTS**  
2205 LAKESIDE DRIVE  
BANNOKBURN, ILLINOIS  
(847)945-6869

**PROPOSED AVANT GARDENS - BANQUET HALL**  
370 VETERANS PARKWAY, NEW LENOX, ILLINOIS  
FOR: UNLIMITED MASONRY AND CONSTRUCTION, INC.

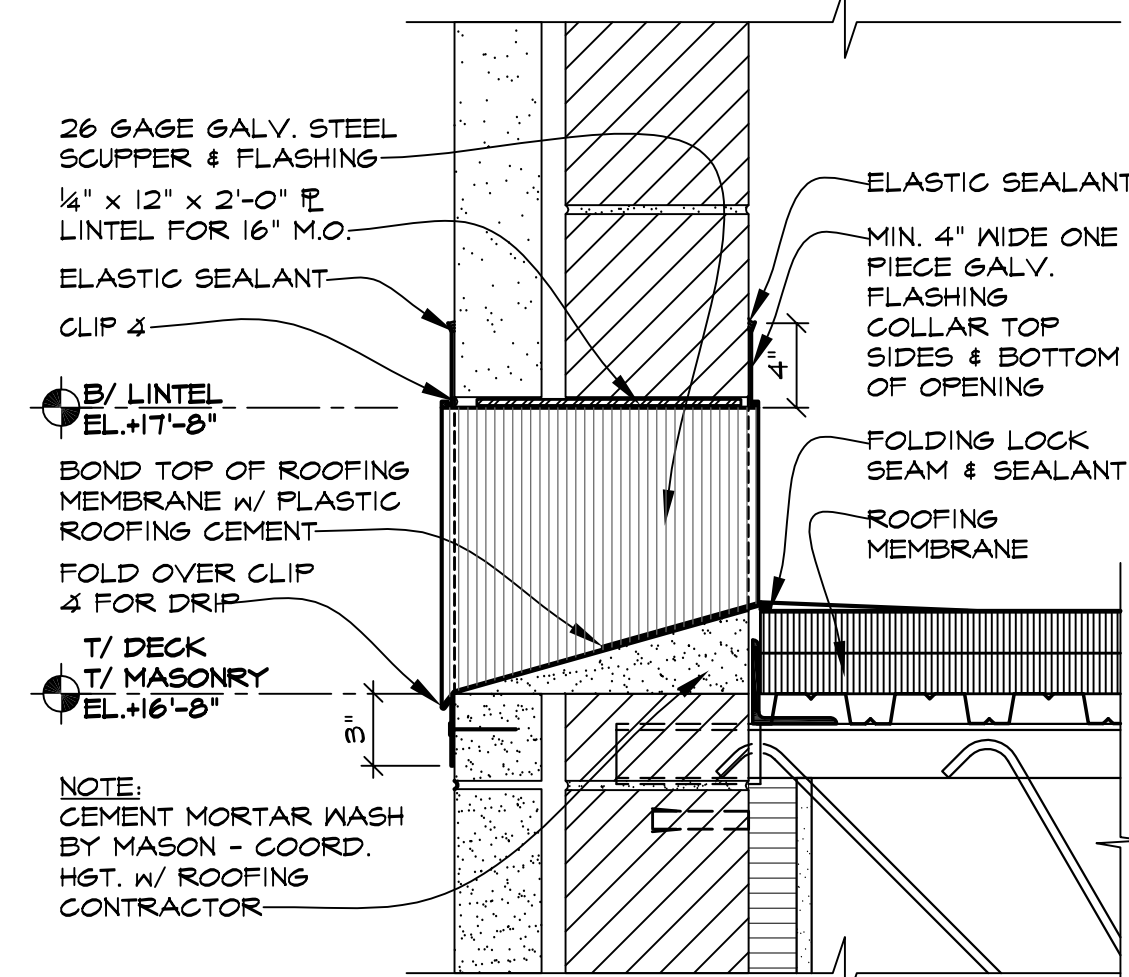
**SHEET TITLE**  
WALL SECTION  
2428

**A 4.2**

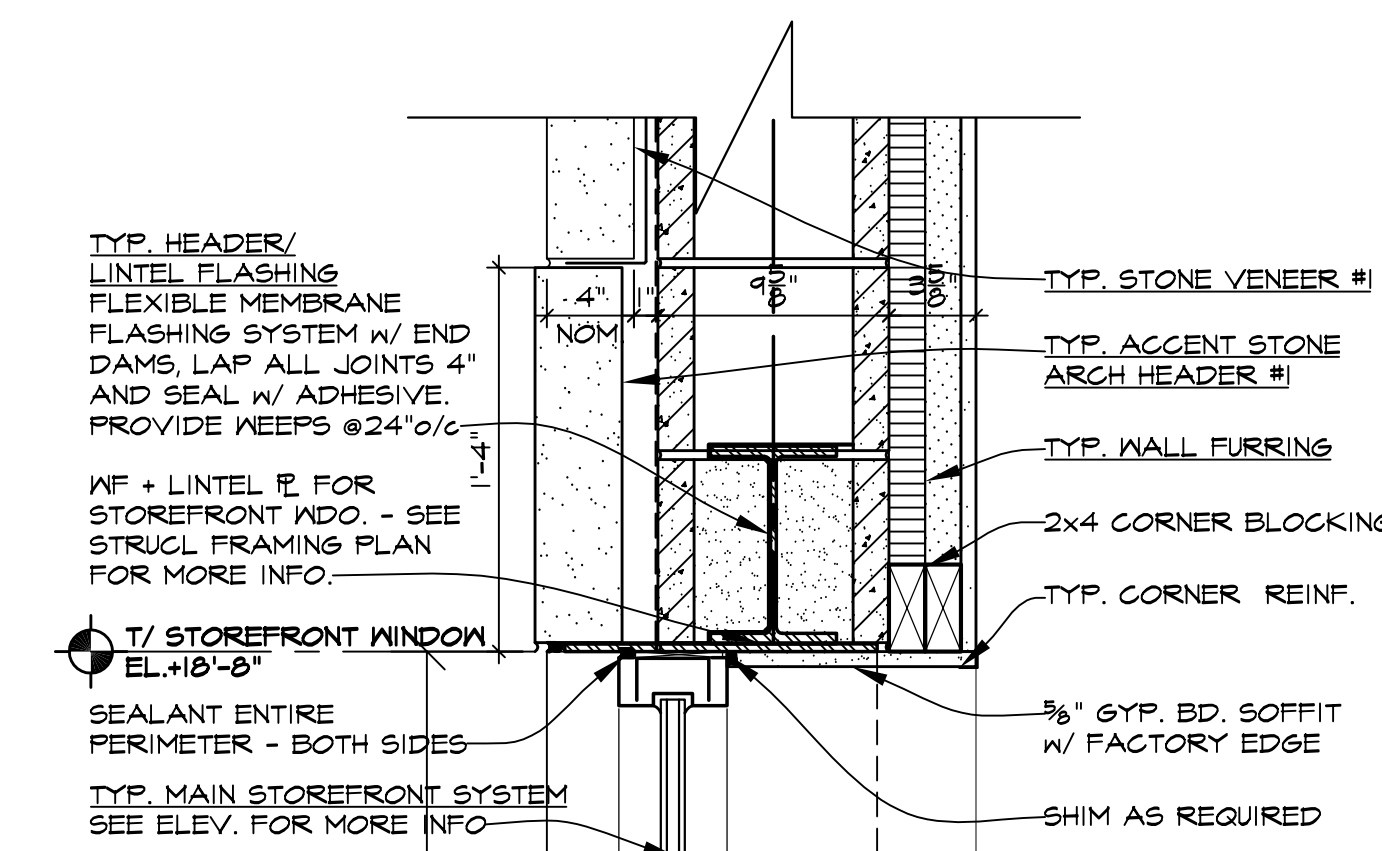




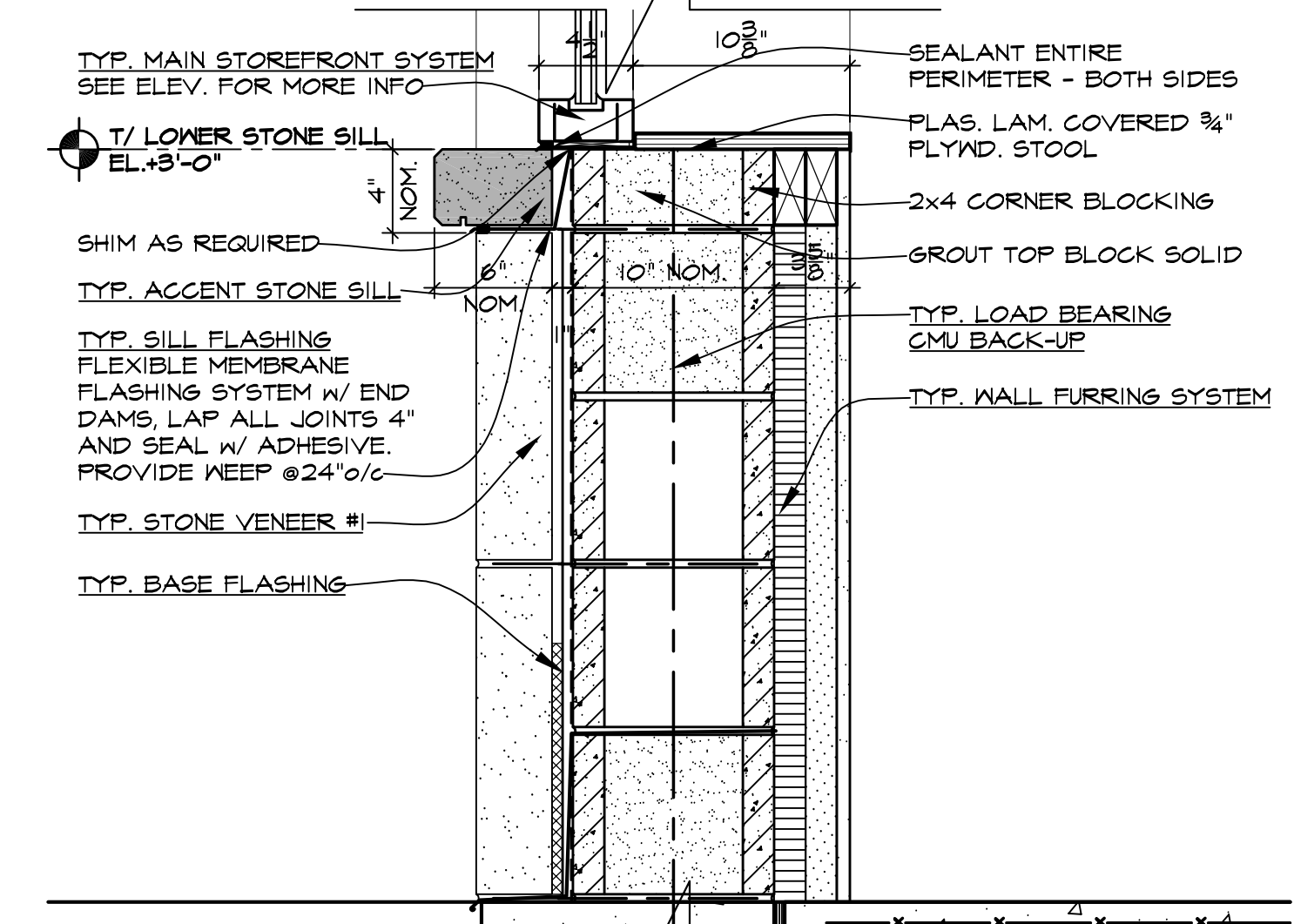
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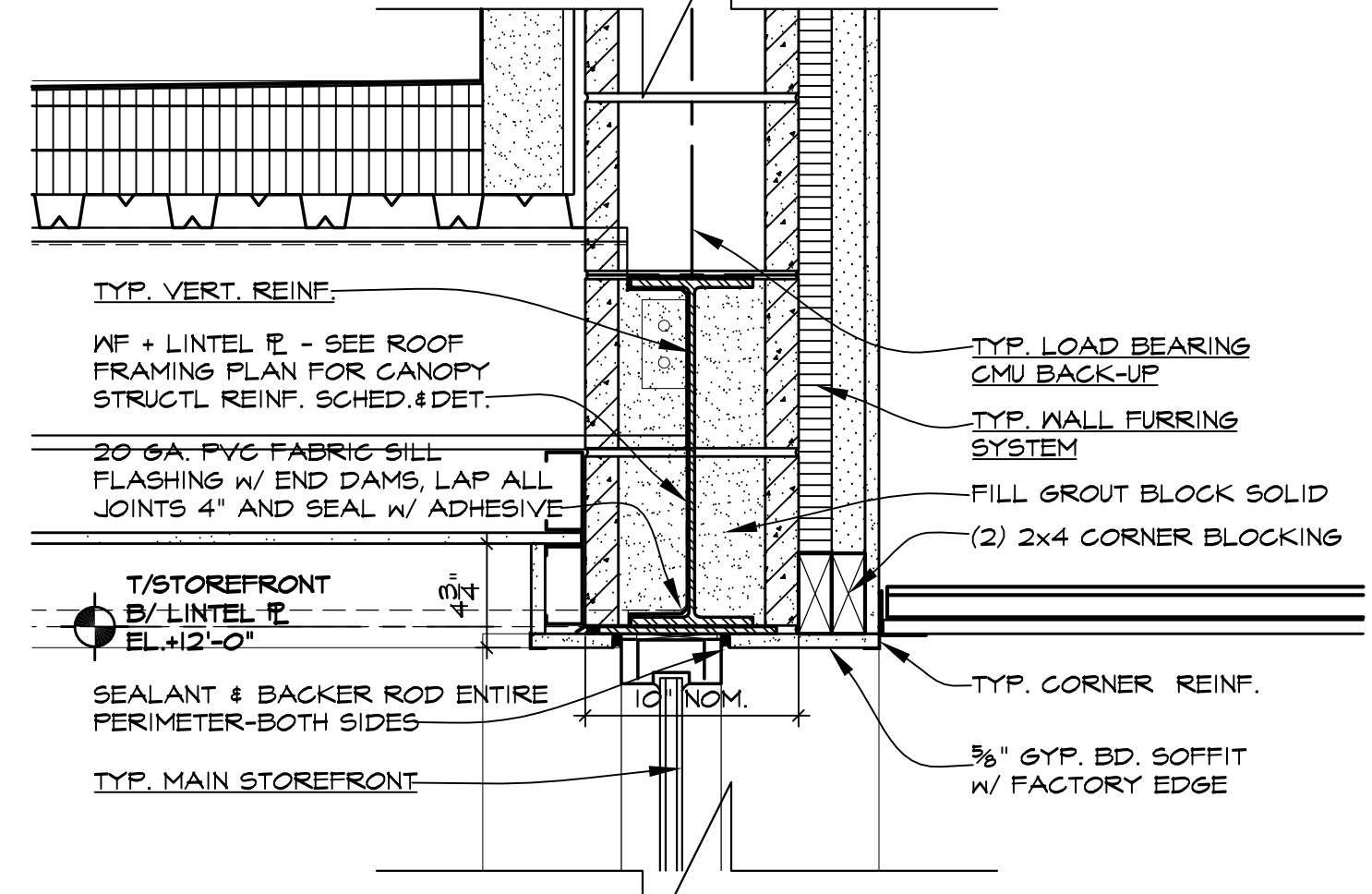
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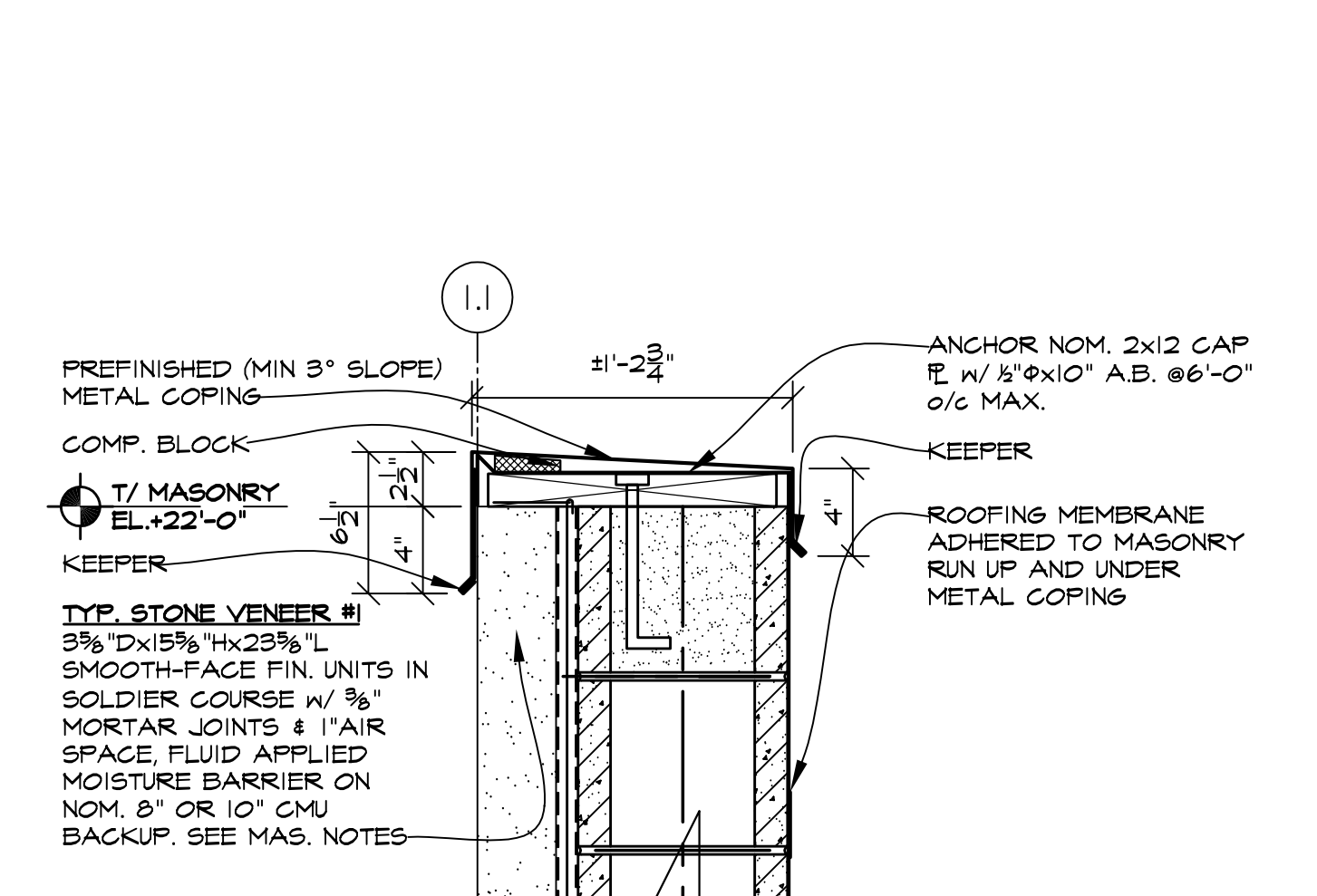
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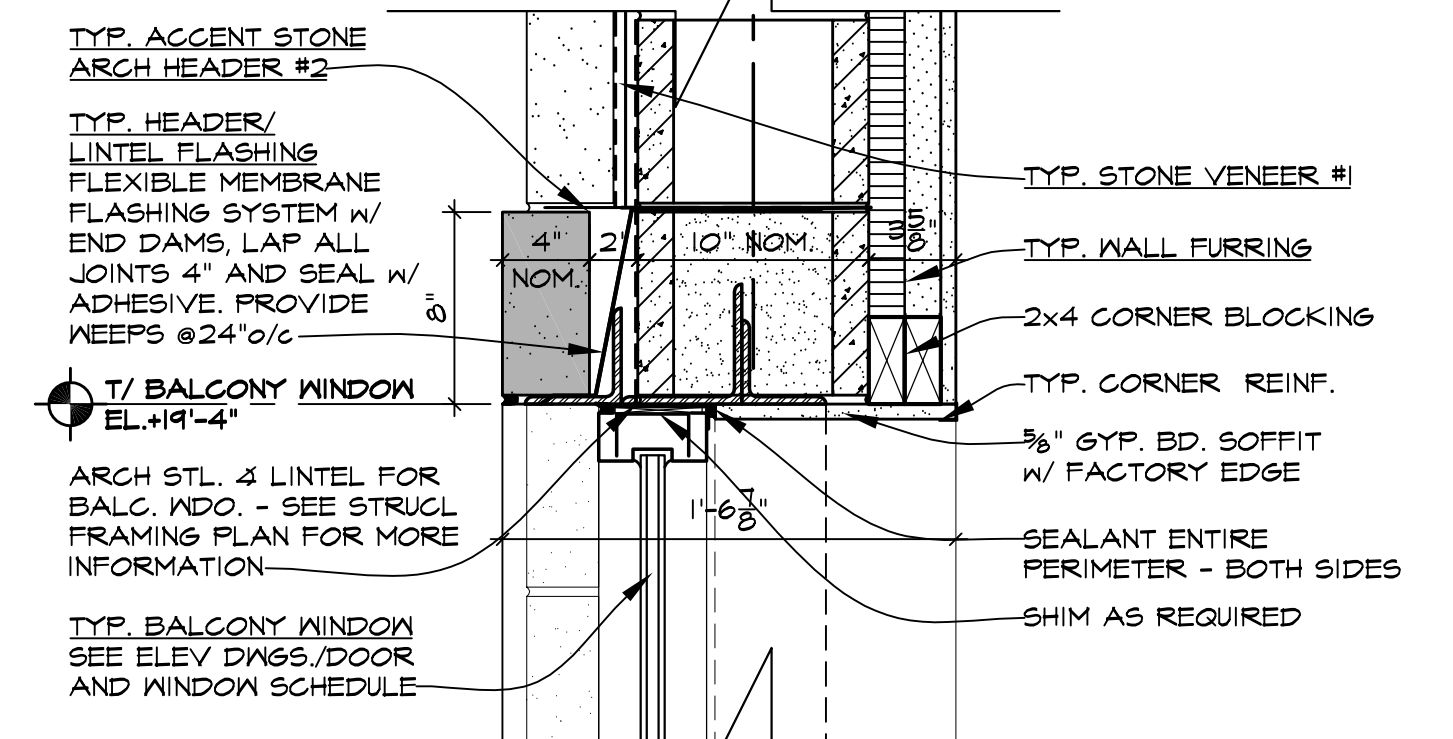
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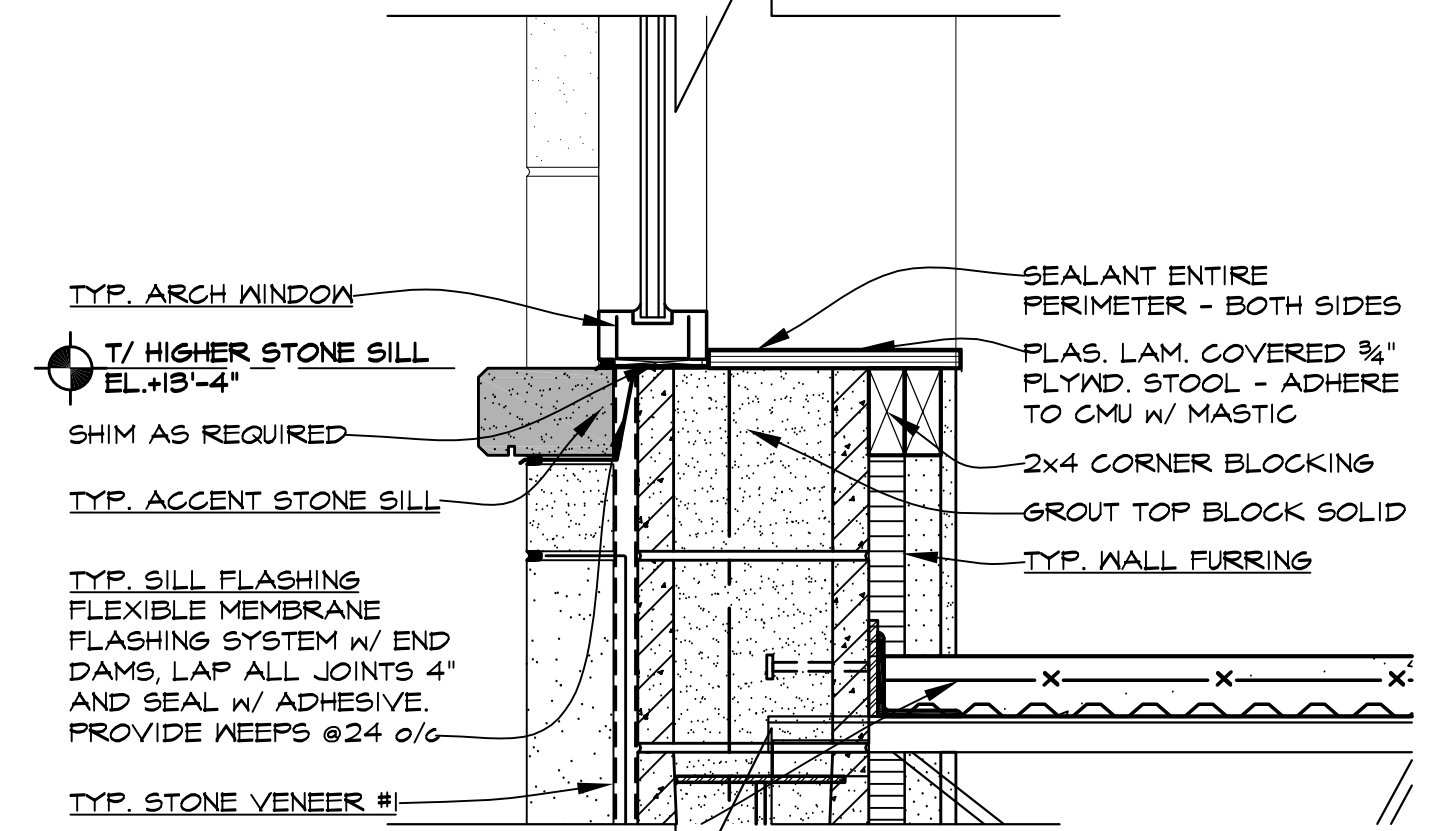
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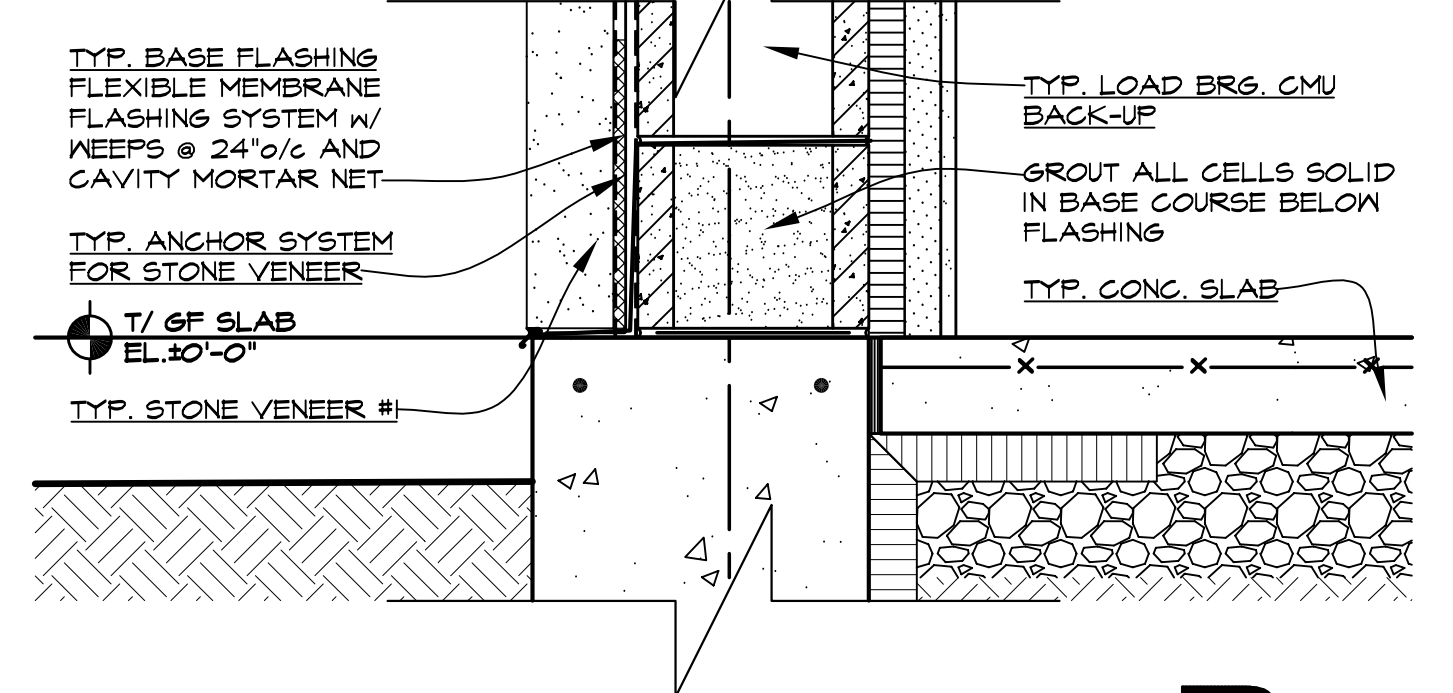
SCALE: 1-1/2" = 1'-0"



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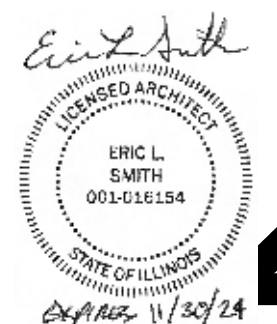
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REVISIONS			
NOT FOR CONSTRUCTION	10/11/2024	FOR BIDDING	10/11/2024
NOT FOR CONSTRUCTION		FOR PERMIT	
NOT FOR CONSTRUCTION		FOR CONSTRUCTION	

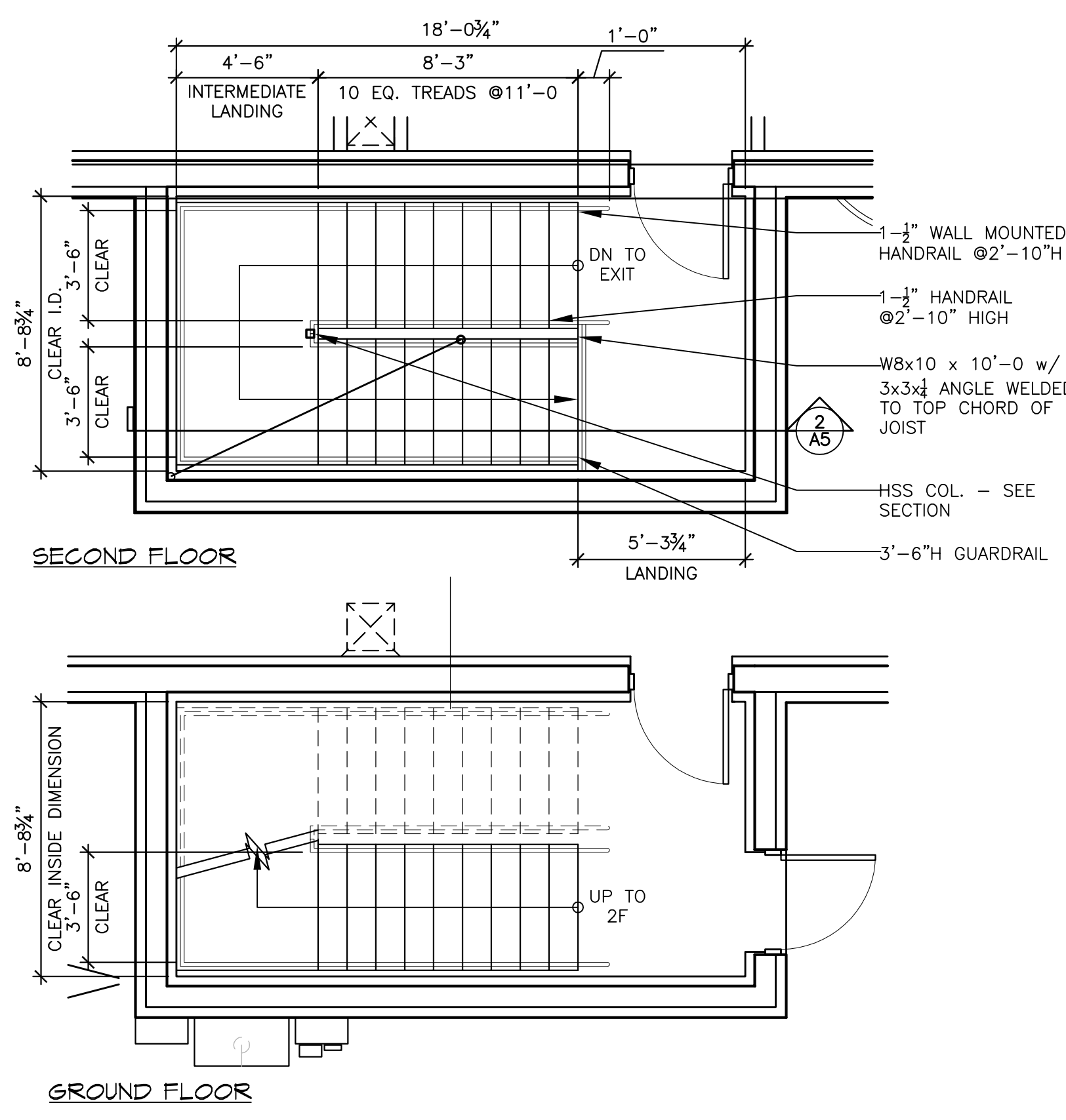
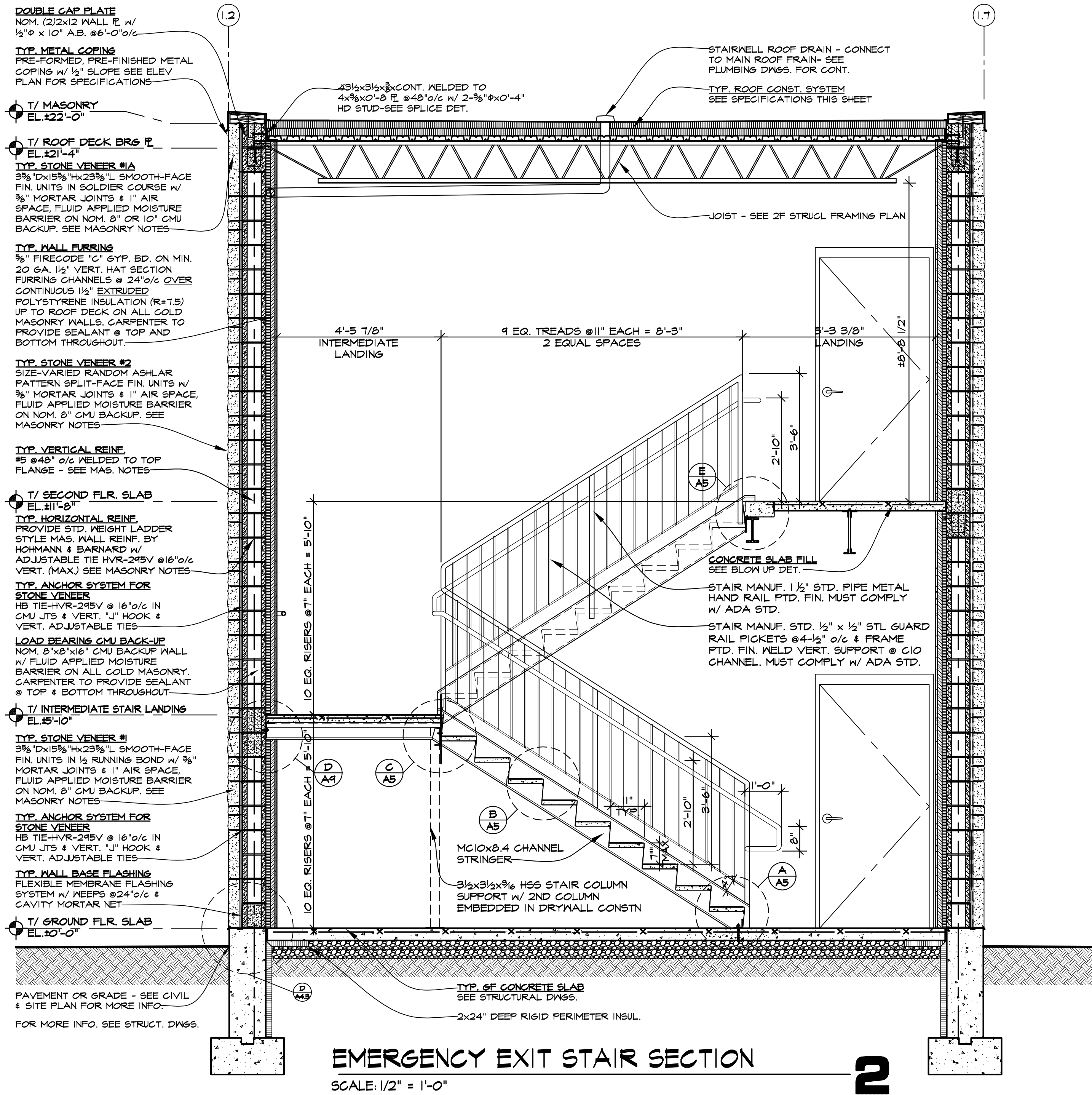
**KMA & ASSOCIATES, ARCHITECTS**  
 2205 LAKESIDE DRIVE  
 BANNOCKBURN, ILLINOIS 60015-1265  
 (847)945-6869 FAX (847)945-0284

**PROPOSED AVANT GARDENS - BANQUET HALL**  
 370 VETERANS PARKWAY, NEW LENOX, ILLINOIS  
 FOR: UNLIMITED MASONRY AND CONSTRUCTION, INC.

**SHEET TITLE**  
 DETAILS  
**2428**



**A**  
**4.3**



**ROOFING SYSTEM SPECIFICATIONS**

**SINGLE-PLY ROOF SYSTEM:**  
FULLY-ADHESIVE 1/8" MIL. BLACK OR WHITE EPDM (OR WHITE TPO) ROOFING MEMBRANE OVER 2 LAYERS OF 2" ISOCYANURATE INSULATION MECHANICALLY FASTENED TO METAL ROOF DECK. MINIMUM INSULATION "R" VALUE SHALL BE 30. ROOF SYSTEM SHALL HAVE 90 MPH WIND RESISTANCE. PHYSICAL INTEGRITY AND IMPACT RESISTANCE IN ACCORDANCE WITH ASTM 653, D5746 AND D4272. ALL ROOF COMPONENTS TO BE INSULATED PER MANUF. INSTRUCTIONS. ROOFING SYSTEM SHALL HAVE TWENTY (20) YEAR FULL SYSTEM NO DOLLAR LIMIT WARRANTY FROM DATE OF SUBSTANTIAL COMPLETION. ROOFING SYSTEM SHALL BE INSTALLED BY A QUALIFIED CONTRACTOR, APPROVED BY ROOFING SYSTEM MANUFACTURER, TO INSTALL MANUFACTURER'S PRODUCTS. ROOFING SYSTEM TO BE INSTALLED IN STRICT ACCORDANCE WITH THE ROOFING SYSTEM MANUFACTURER'S WRITTEN TECHNICAL SPECIFICATIONS. PROVIDE ROOFING SYSTEM BY THE FOLLOWING MANUFACTURERS, OR APPROVED EQUIVALENT:  
- FIRESTONE BUILDING PRODUCTS (800)420-4442  
- CARLSLE, INC. (717)245-7000  
- JOHNS MANVILLE (800)654-3103

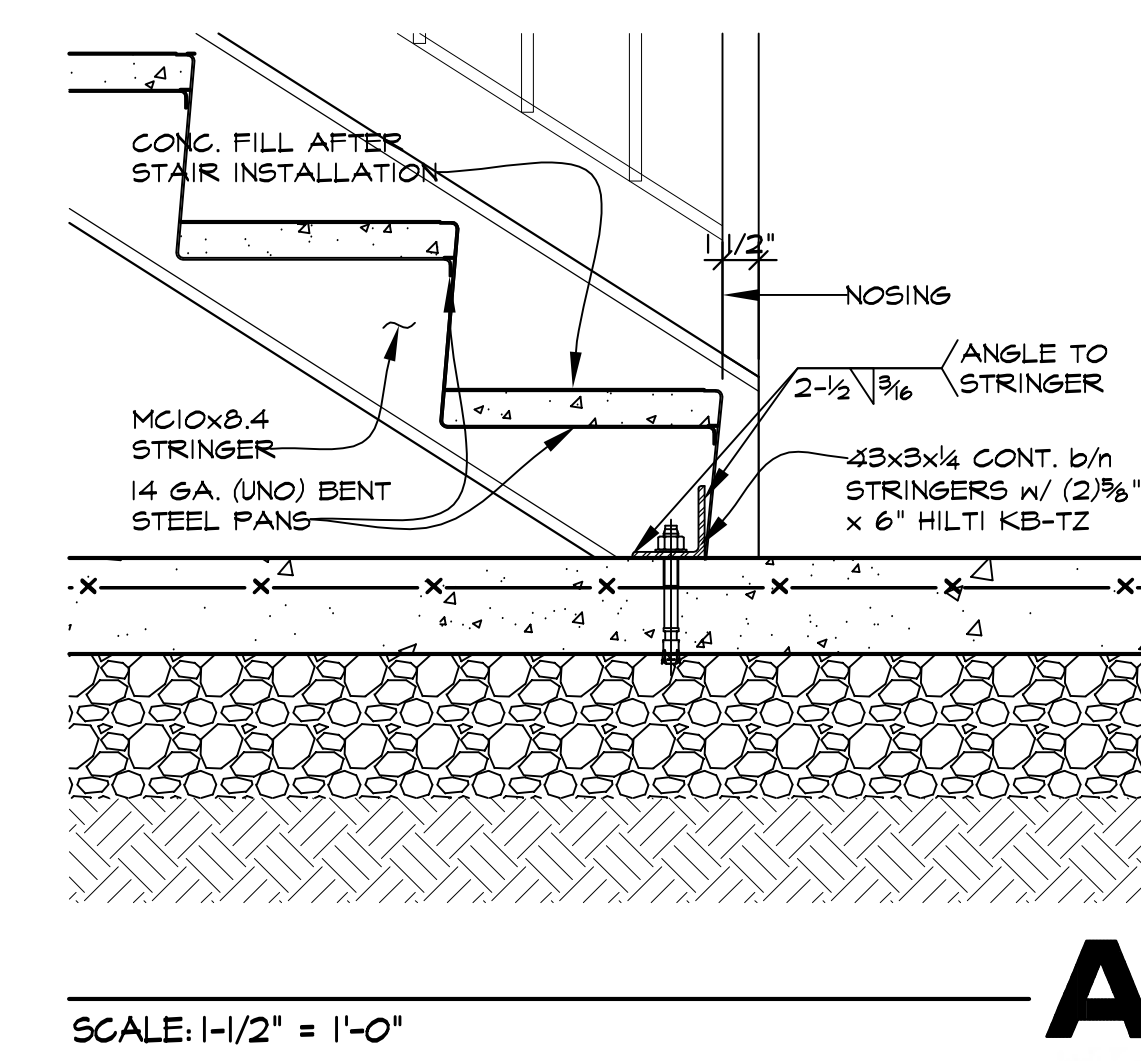
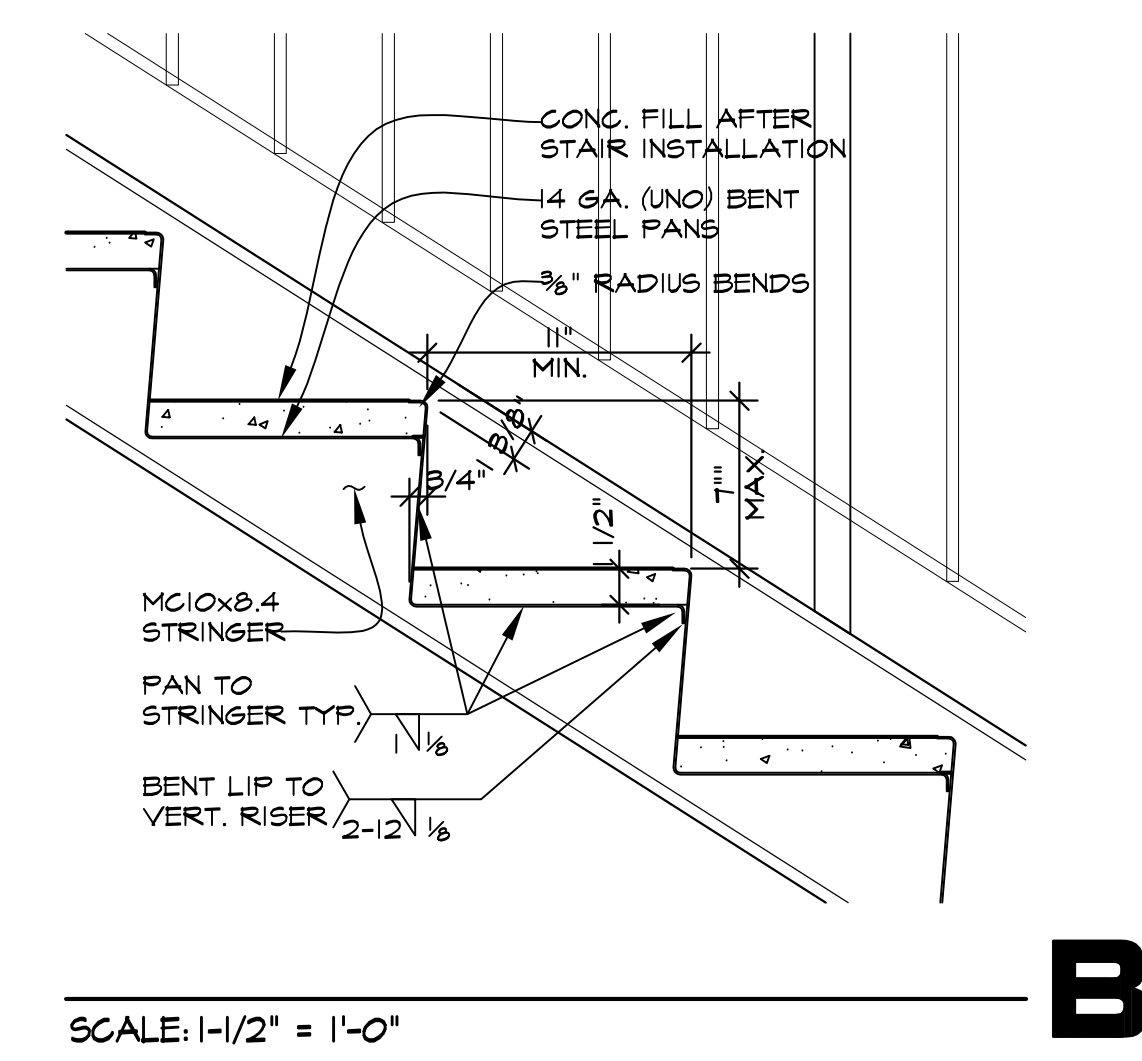
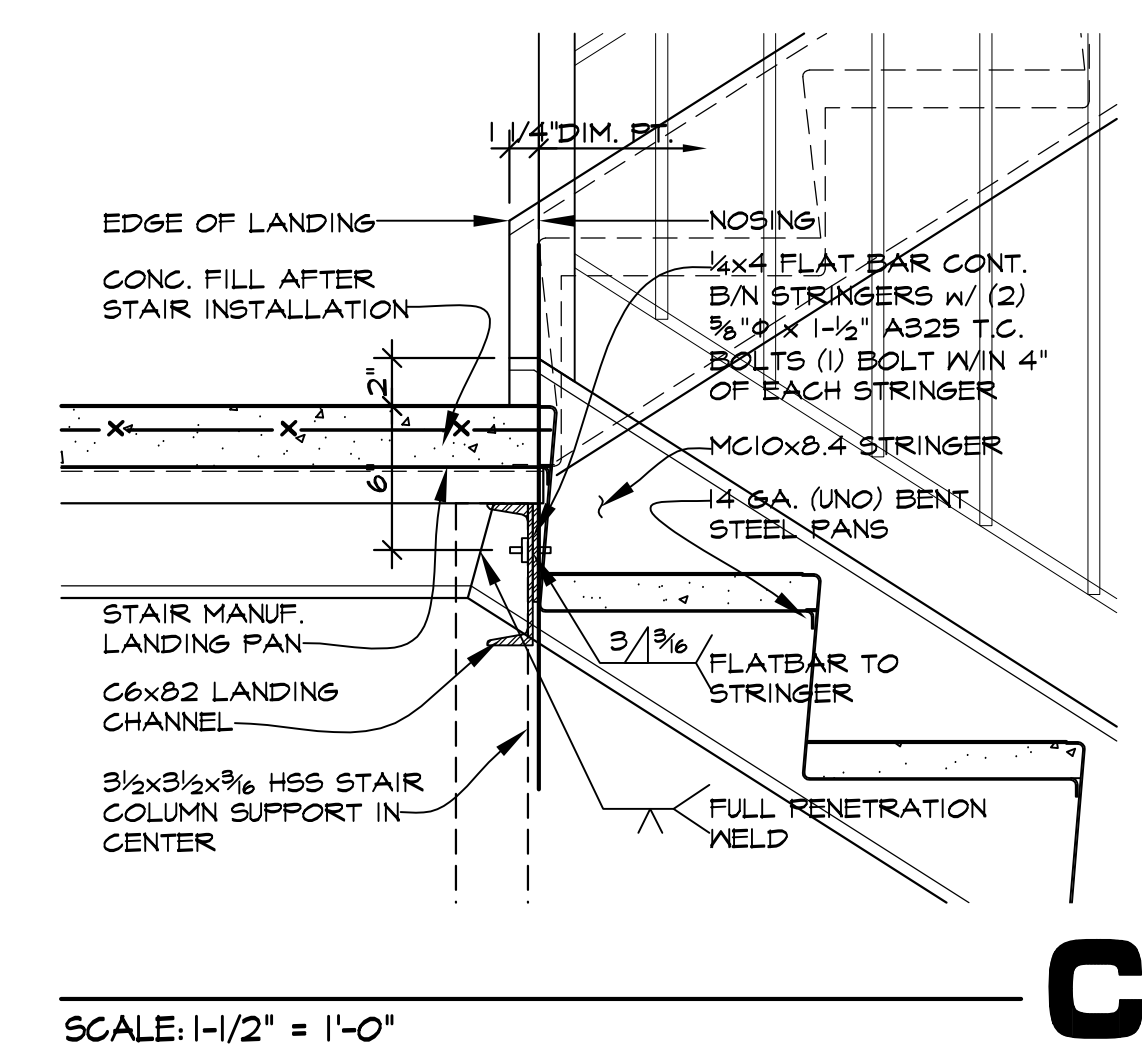
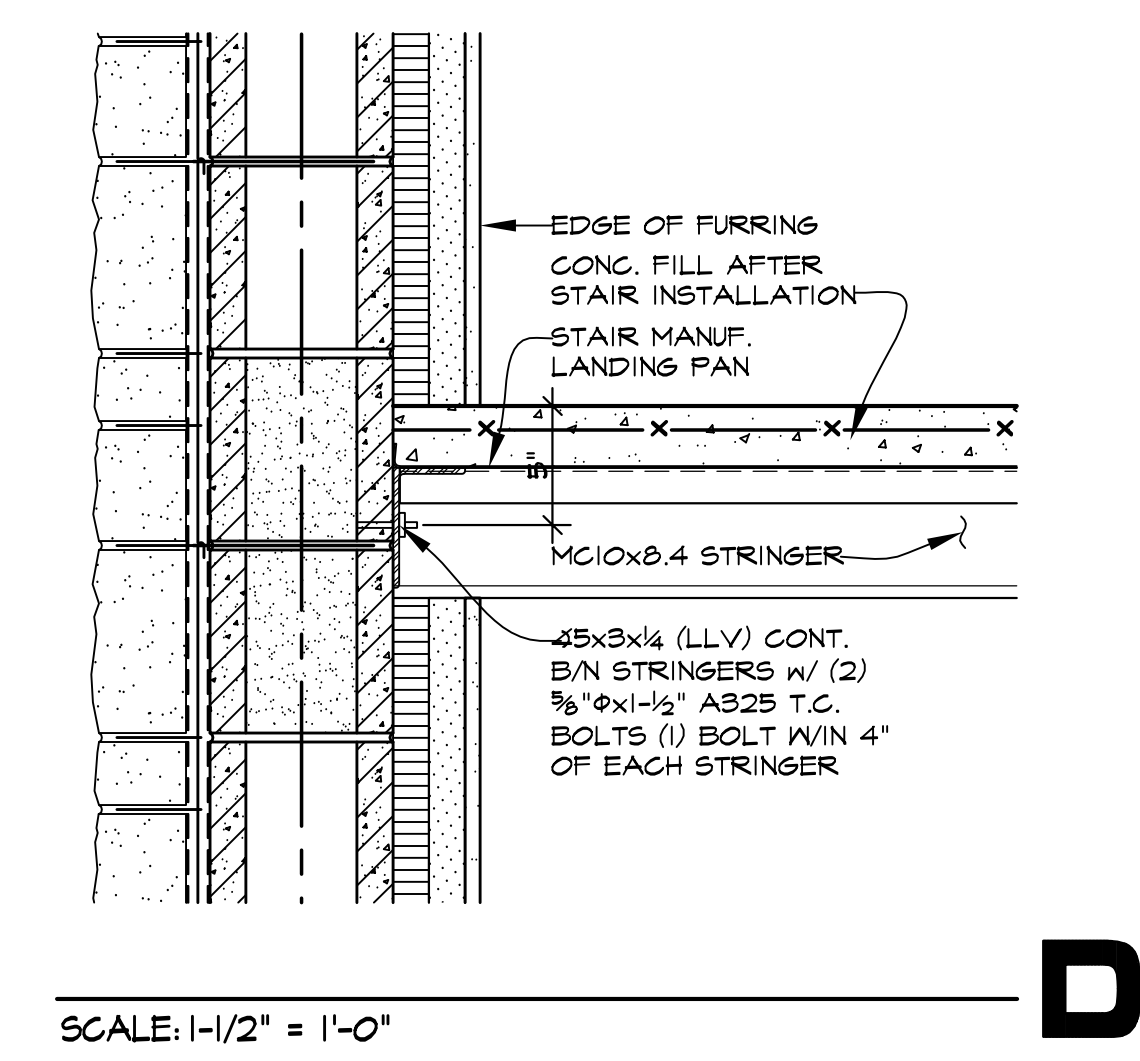
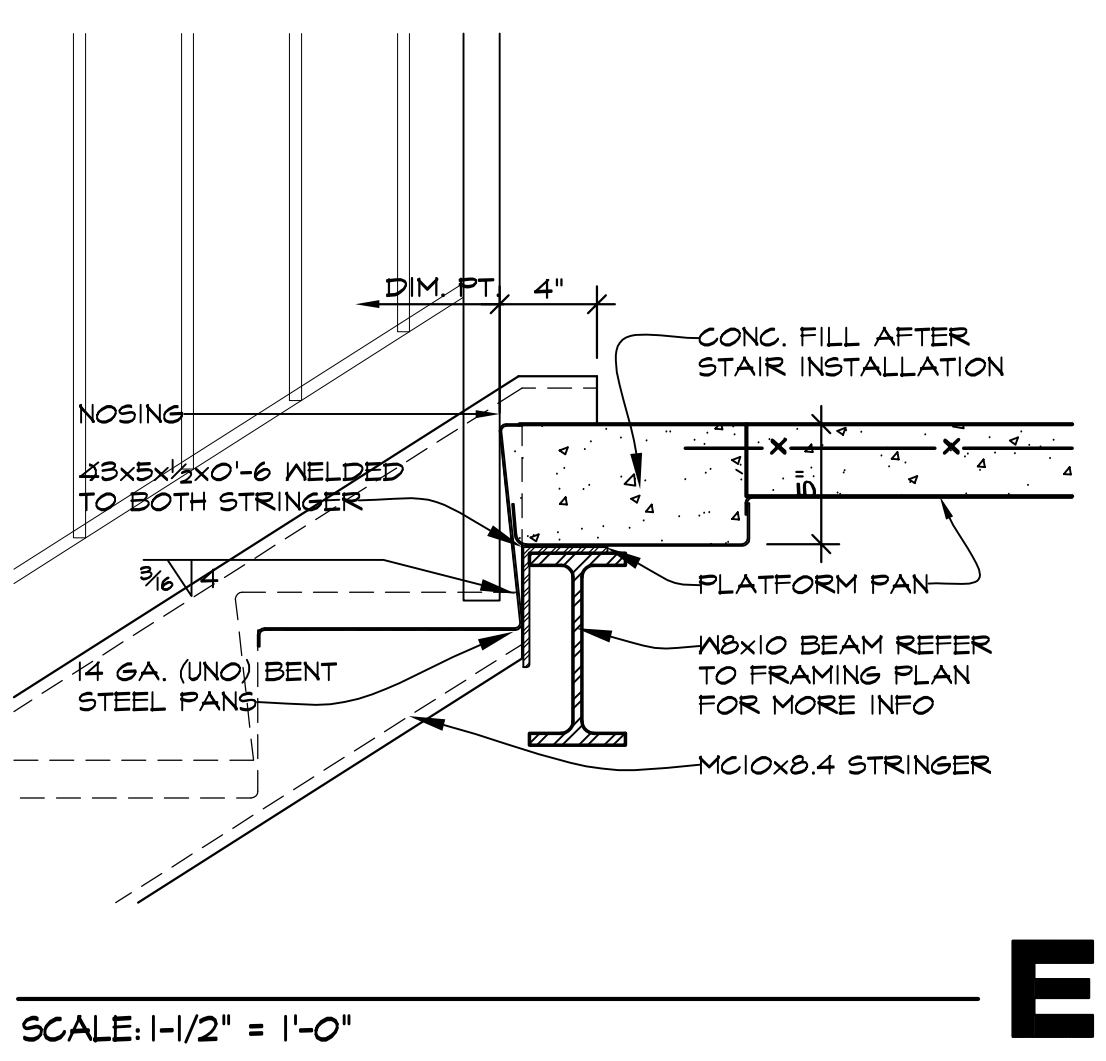
**EXTRUDED POLYSTYRENE INSULATION BOARD**  
POLYSTYRENE BOARD INSULATION IS LIMITED TO A FLAME SPREAD OF 25 OR LESS (ACTUAL = 5) AND A SMOKE DEVELOPED RATING OF 450 OR LESS (ACTUAL = 165) PER ASTM E84. INSULATION AND STUDS TO BE FACED WITH A FACE LAYER OF 3/8" FIRECODE "C" GYPSUM DRYWALL PROTECTION AS REQUIRED BY CODE.

**FIBERGLASS INSULATION**  
FIBERGLASS INSULATION TO BE TYPE FLAME SPREAD 25 INSULATION, FACED WITH A VAPOR BARRIER OF MAX. I.O. PERM RATING WHEN TESTED IN ACCORDANCE WITH ASTM E 96. THE FLAME SPREAD INDEX OF 25 AND A SMOKE DEVELOPED INDEX OF 50 PER ASTM E84.

**PLYWOOD SHEATHING**  
ALL PLYWOOD ROOF & WALL SHEATHING SHALL BE FASTENED w/ 8 SCREWS @ 6" O/C @ SUPPORTED PLYWOOD EDGES, AND 12" O/C @ INTERMEDIATE SUPPORTS. UNO. ROOF & WALL PLYWOOD SHEATHING TO MEET DOC PS 1 OR 2 STANDARDS

**GYPSUM BOARD & ACCESSORIES**  
ALL GYPSUM BOARD MATERIALS AND ACCESSORIES SHALL CONFORM TO THE APPROPRIATE STANDARDS LISTED BELOW.  
ACCESSORIES FOR GYPSUM BD.....ASTM C 1047  
GYPSUM WALLBOARD.....ASTM C 719  
JOINT REIN. TAPE & COMPOUND.....ASTM C 474, C 475  
STEEL SCREWS.....ASTM C 954, C 1002  
STEEL STUDS, NON-LOAD BEARING.....ASTM C 645  
WATER RESISTANT STYP. BACKING BD.....ASTM C 620  
FIBER REIN. GYPSUM PANELS.....ASTM C 1270  
TESTING GYPSUM AND GYPSUM PRODUCTS.....ASTM C 22, C 472, C 473

VERIFY JOIST ORIENTATION w/ ROOF FRAMING PLAN & DETAILS



**REVISIONS**

THIS DRAWING	10/11/2024
NOT FOR CONSTRUCTION	10/11/2024
FOR RIDDING	
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**KMA & ASSOCIATES, ARCHITECTS**  
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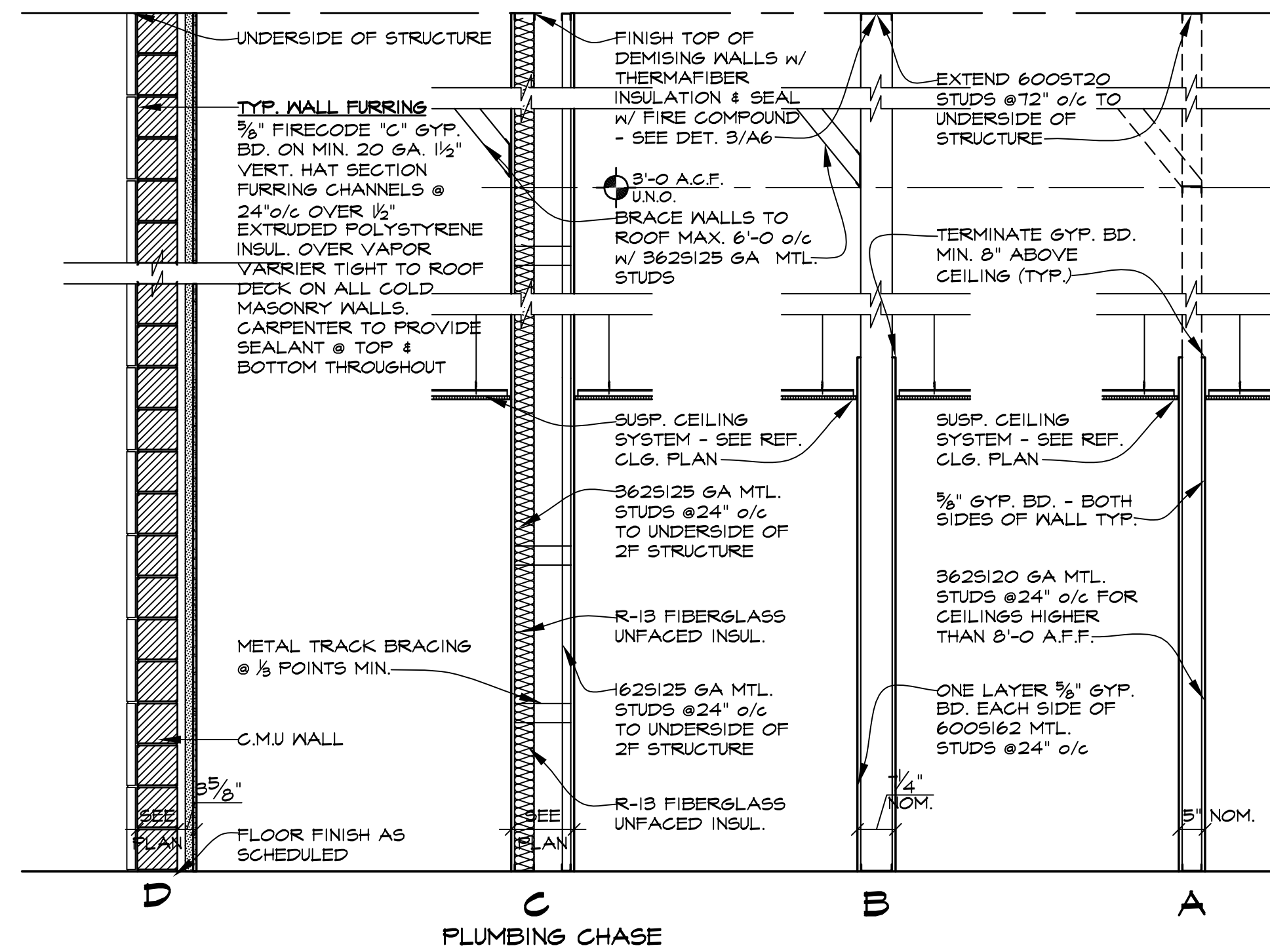
**PROPOSED AVANT GARDENS - BANQUET HALL**  
370 VETERANS PARKWAY, NEW LENOX, ILLINOIS  
FOR: UNLIMITED MASONRY AND CONSTRUCTION, INC.

**SHEET TITLE**  
WALL SECTION  
FORCH DETAIL

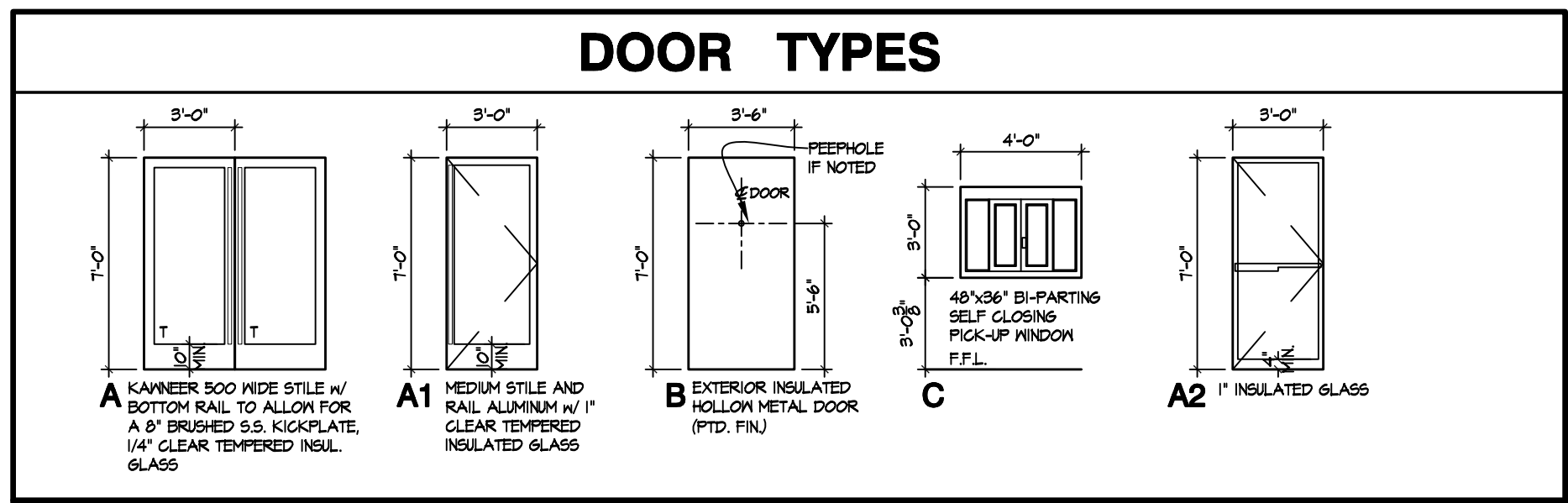
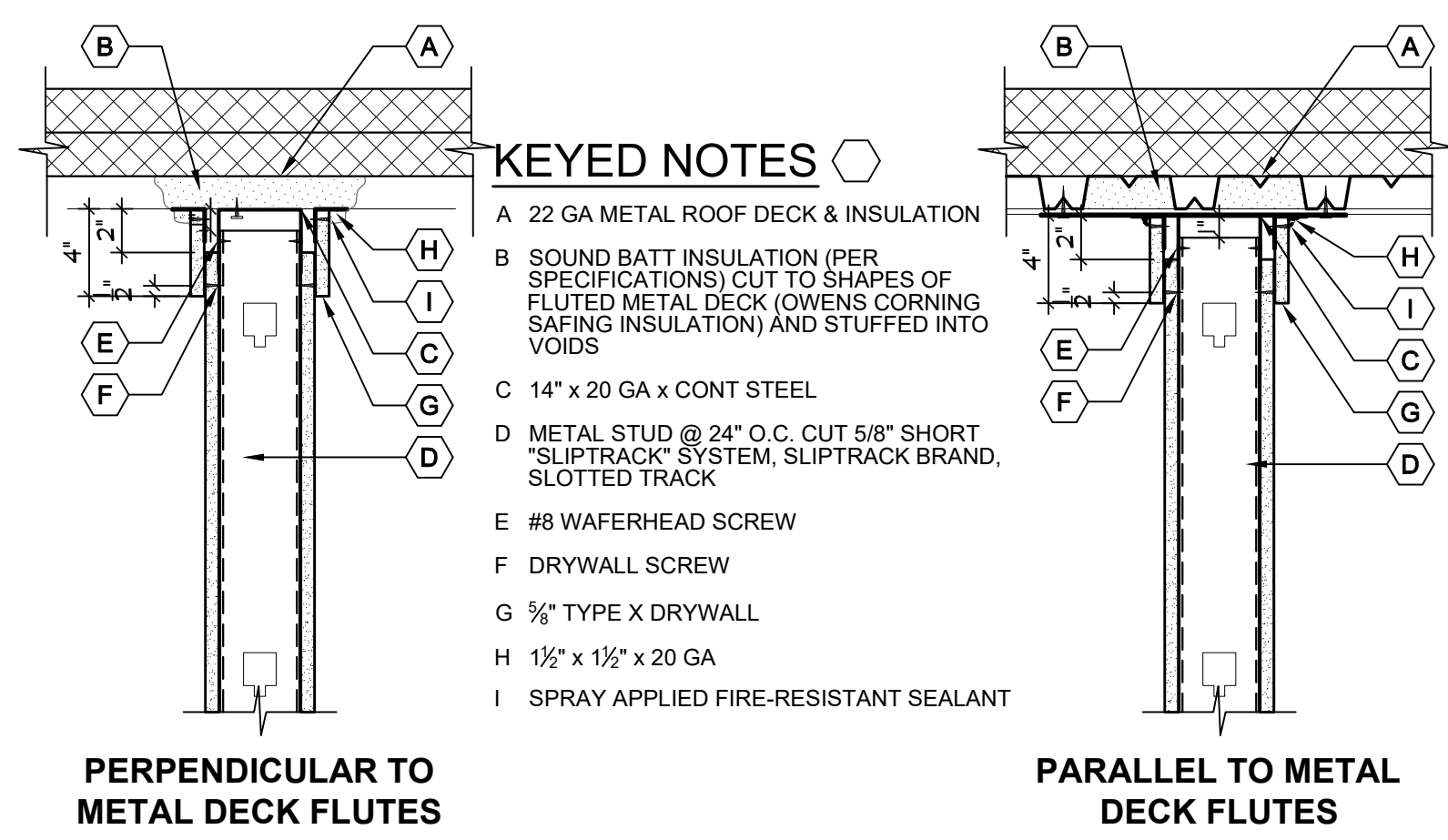
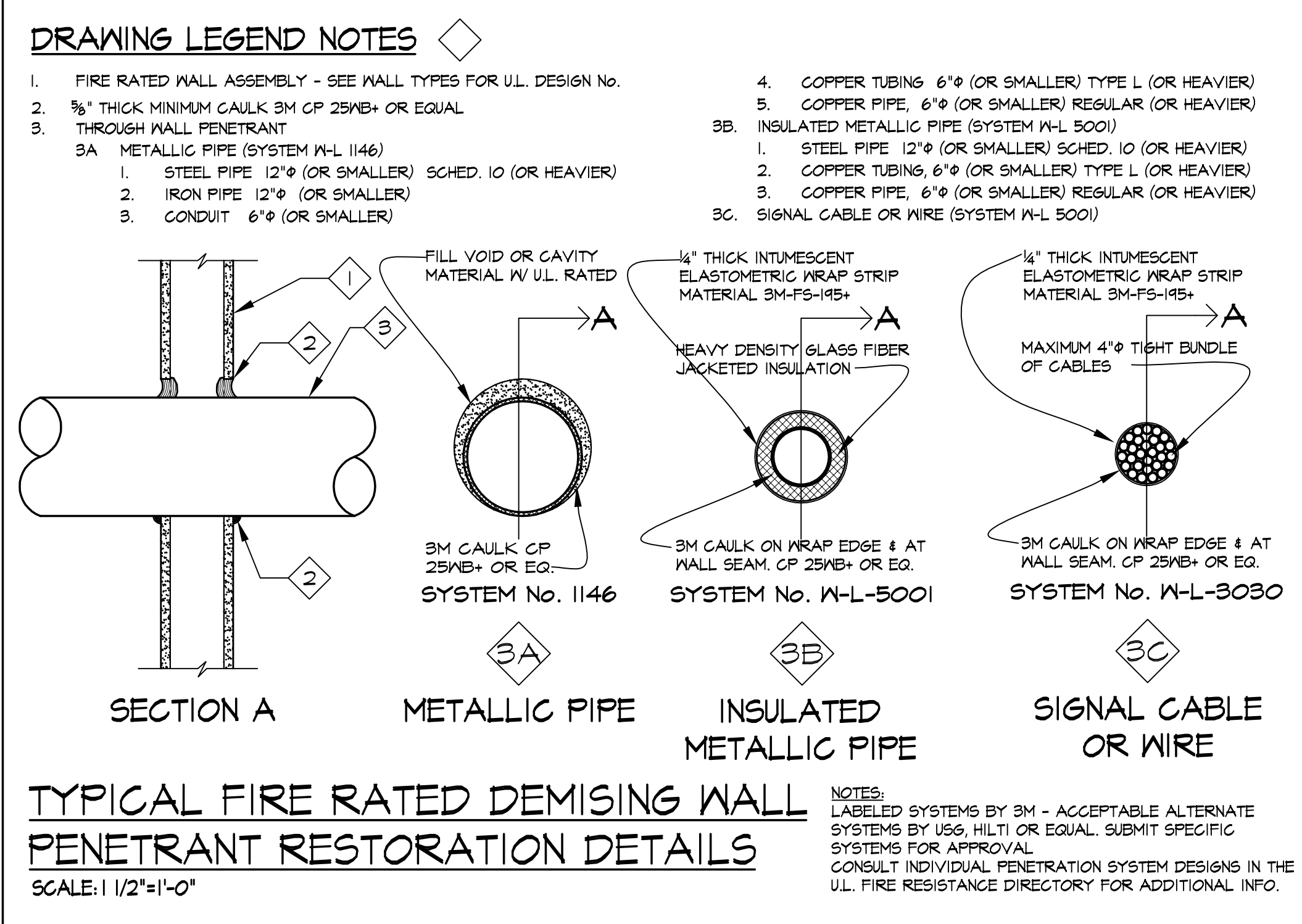
**2428**

**A5**

ERIC L. SMITH  
001-015154  
24/10/24 11:20/24



**WALL TYPES**  
 SEE FLOOR PLAN FOR WALL TYPES AND HEIGHTS.  
 6" WALL: ±12'-0" TO UNDERSIDE OF 2F SLAB, 2F WALL: ±14'-0" TO UNDERSIDE OF ROOF DECK.  
 SEE DET. THIS SHT. FOR DEMISING WALL PENETRATION DETAIL.  
 SCALE: 1/2"=1'-0"



**DOOR SCHEDULE**

MARK	DOOR SIZE	DOOR			FRAME		DETAIL		HDWE.	REMARKS
		TYPE	MATL	FINISH	MATL	FINISH	JB.	HD.		
<b>FIRST FLOOR</b>										
1	PR. 3'-0" x 7'-0" x 2"	A	ALUM/GL	MED.BRZ.	ALUM	MED.BRZ.	-	-	A	(1)(3)(4)(5)(6)(9)
1A	PR. 3'-0" x 7'-0" x 2"	A	ALUM/GL	MED.BRZ.	ALUM	MED.BRZ.	-	-	B	(1)(3)(4)(5)(6)(9)
2	3'-0" x 7'-0" x 1 3/4"	C	INS HM	PAINT	HM	PAINT	1/A6	1/A6	E	(3)(4)(5)(6)(7)(3)(4)
3	3'-0" x 7'-0" x 1 3/4"	C	INS HM	PAINT	HM	PAINT	1/A6	1/A6	D	(3)(4)(5)(6)
4	4'-0" x 7'-0" x 1 3/4"	C	INS HM	PAINT	HM	PAINT	1/A6	1/A6	D	(3)(4)(5)(6)
5	3'-0" x 7'-0" x 2"	B	ALUM/GL	MED.BRZ.	ALUM	MED.BRZ.	-	-	C	(1)(3)(4)(5)(6)(9)
6	PR. 3'-0" x 7'-0" x 1 3/4"	D	SCWD	PAINT	HM	PAINT	2/A6	2/A6	G	(3)(4)(5)(7)
7	PR. 2'-0" x 7'-0"	E	-	-	HM	PAINT	-	-	-	(11)
8	3'-0" x 7'-0" x 1 3/4"	C	SCWD	PAINT	HM	PAINT	2/A6	2/A6	H	(3)(4)(5)(7)(10)
9	3'-0" x 7'-0" x 1 3/4"	C	SCWD	PAINT	HM	PAINT	2/A6	2/A6	L	(3)(4)(7)
10	3'-0" x 7'-0" x 1 3/4"	C	SCWD	PAINT	HM	PAINT	2/A6	2/A6	K	(3)(4)(5)(7)
11	3'-0" x 7'-0" x 1 3/4"	C	SCWD	PAINT	HM	PAINT	2/A6	2/A6	L	(3)(4)(5)(7)
12	SEE PLAN & DETAILS	-	-	-	-	-	-	-	-	(2)
<b>SECOND FLOOR</b>										
20	3'-0" x 7'-0" x 1 3/4"	C	SCWD	PAINT	HM	PAINT	1/A6	1/A6	E	(3)(4)(5)(6)(7)
21	3'-0" x 7'-0" x 1 3/4"	C	SCWD	PAINT	HM	PAINT	2/A6	2/A6	K	(3)(4)(5)(7)
22	3'-0" x 7'-0" x 1 3/4"	C	SCWD	PAINT	HM	PAINT	2/A6	2/A6	J	(2)(3)(4)(5)(7)
23	3'-0" x 7'-0" x 1 3/4"	C	SCWD	PAINT	HM	PAINT	2/A6	2/A6	L	(3)(4)(5)(7)

- DOOR SCHEDULE REMARKS**
- NO. ITEM**
- ALL HARDWARE BY DOOR MFR. (CYLINDER BY HDVE CONTRACTOR; CYLINDER FINISH TO MATCH DOOR HDVE FINISH).
  - UNDERCUT DOOR 1"
  - HARDWARE SHALL BE OF TYPE APPROVED FOR HANDICAP USE
  - THRESHOLD MAXIMUM 1/2" HIGH WITH MAXIMUM 1:2 SLOPED EDGE
  - CLOSERS TO HAVE MAXIMUM 5 LBS. PUSH-PULL.
  - H.M. FRAME WITH 2" JAMB FACE & 4" HEAD FACE
  - PROVIDE DOOR SILENCERS
  - PROVIDE STANDARD PUSH-PULL
  - HARDWARE TO MATCH STOREFRONT FINISH
  - DOOR SHALL HAVE TRANSFER GRILLE. SEE MECH. DWGS. FOR SIZE & SPEC.
  - PAIR 2'-0" X 7'-0" ELIASON, LWP-3 (OR EQUAL); DOUBLE ACTING ALUMINUM TRAFFIC DOORS W/ EASY SWING HINGE SYSTEM; 9" X 14" CLEAR ACRYLIC WINDOW; FINISH: CLEAR ANODIZED TEMPERED ALUMINUM ALLOY (BOTH SIDES).
  - POCKET DOORS BY MANUFACTURER OF OPERABLE WALL SYSTEM. SEE FLOOR PLAN AND DETAIL.
  - ADD SIGN ON STAIR SIDE OF DOOR NOT AN EXIT.
  - ADD SIGN ON BALLROOM SIDE OF SPRINKLER ROOM DOOR 'SPRINKLER ROOM'.

- HARDWARE GROUPS**
- NOTES:**
- ALL HARDWARE TO HAVE US26D SATIN CHROMIUM FINISH UNLESS NOTED OTHERWISE. STOREFRONT DOOR HARDWARE TO MATCH STOREFRONT FINISH. ALL LATCHSETS, LOCKSETS & CYLINDERS BY SCHLAGE "A" SERIES AND/OR PAIRED WITH "B" SERIES DEADBOLTS U.N.O. ALL FUNCTIONS/DEVICES MUST MEET A.D.A. REQUIREMENTS (THUMBURNS NOT ALLOWED). ALL HDVE USED FOR NORMAL OPERATION TO BE MOUNTED A MIN. OF 34" AND A MAX. OF 48" ABOVE THE FINISH FLOOR.
- A. EACH LEAF**  
 1 PR. 4 1/2 x 4 B.B. BUTTS ADA LEVER SWEEPS (BOTH DOORS) WEATHERSTRIP THRESHOLD FUSH-PULL CLOSER  
 ACTIVE LEAF:  
 SCHLAGE 20-062x0S26D "E" W/ REMOVABLE CORE INACTIVE LEAF:  
 T4B FLUSH BOLTS
- B. EACH LEAF**  
 1 PR. 4 1/2 x 4 B.B. BUTTS ADA LEVER THRESHOLD FUSH-PULL CLOSER  
 ACTIVE LEAF:  
 SCHLAGE 20-062x0S26D "E" W/ REMOVABLE CORE INACTIVE LEAF:  
 T4B FLUSH BOLTS
- C. 1 PR. 4 1/2 x 4 B.B. BUTTS**  
 SCHLAGE 20-062x0S26D "E" W/ REMOVABLE CORE ADA LEVER FUSH-PULL WEATHERSTRIP/SWEEP THRESHOLD CLOSER
- D. 1/2 PR BUTTS**  
 VON DUPRIN EXIT DEVICE FULL WEATHERSTRIP/SWEEP THRESHOLD CLOSER ASTRAGAL
- E. 1/2 PR BUTTS**  
 LOCKSET F86-I FUNCTION WALL BUMPER FUSH-PULL CLOSER W/ HOLD OPEN
- F. 1/2 PR BUTTS**  
 LOCKSET F86-I FUNCTION WEATHERSTRIP/SWEEP THRESHOLD CLOSER
- G. EACH LEAF:**  
 1/2 PR BUTTS CLOSER W/ HOLD OPEN ACTIVE LEAF:  
 STORE LOCKSET F91-I FUNCT. INACTIVE LEAF:  
 IVES AUTOMATIC TOP FLUSH BOLT F84-I IVES GRAVITY COORDINATOR CORST
- H. 1/2 PR BUTTS**  
 FUSH/PULL CLOSER WALL BUMPER KICKPLATES
- J. 1/2 PR BUTTS**  
 LOCKSET FT6-I FUNCT. WALL BUMPER
- K. 1/2 PR BUTTS**  
 LOCKSET F82-I FUNCT. WALL BUMPER
- L. 1/2 PR BUTTS**  
 LOCKSET F86-I FUNCTION CLOSER WALL BUMPER

**REVISIONS**

NO.	DATE	DESCRIPTION
1	10/17/2024	FOR COORDINATION
2	10/17/2024	FOR PERMIT
3	10/17/2024	FOR CONSTRUCTION

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**KMA & ASSOCIATES, ARCHITECTS**  
 2205 LAKESIDE DRIVE  
 BANNOCKBURN, ILLINOIS 60015-1265  
 (847)945-6869 FAX (847)945-0284

**PROPOSED**  
**AVANT GARDENS - BANQUET HALL**  
 370 VETERANS PARKWAY, NEW LENOX, ILLINOIS  
 FOR: UNLIMITED MASONRY AND CONSTRUCTION, INC.

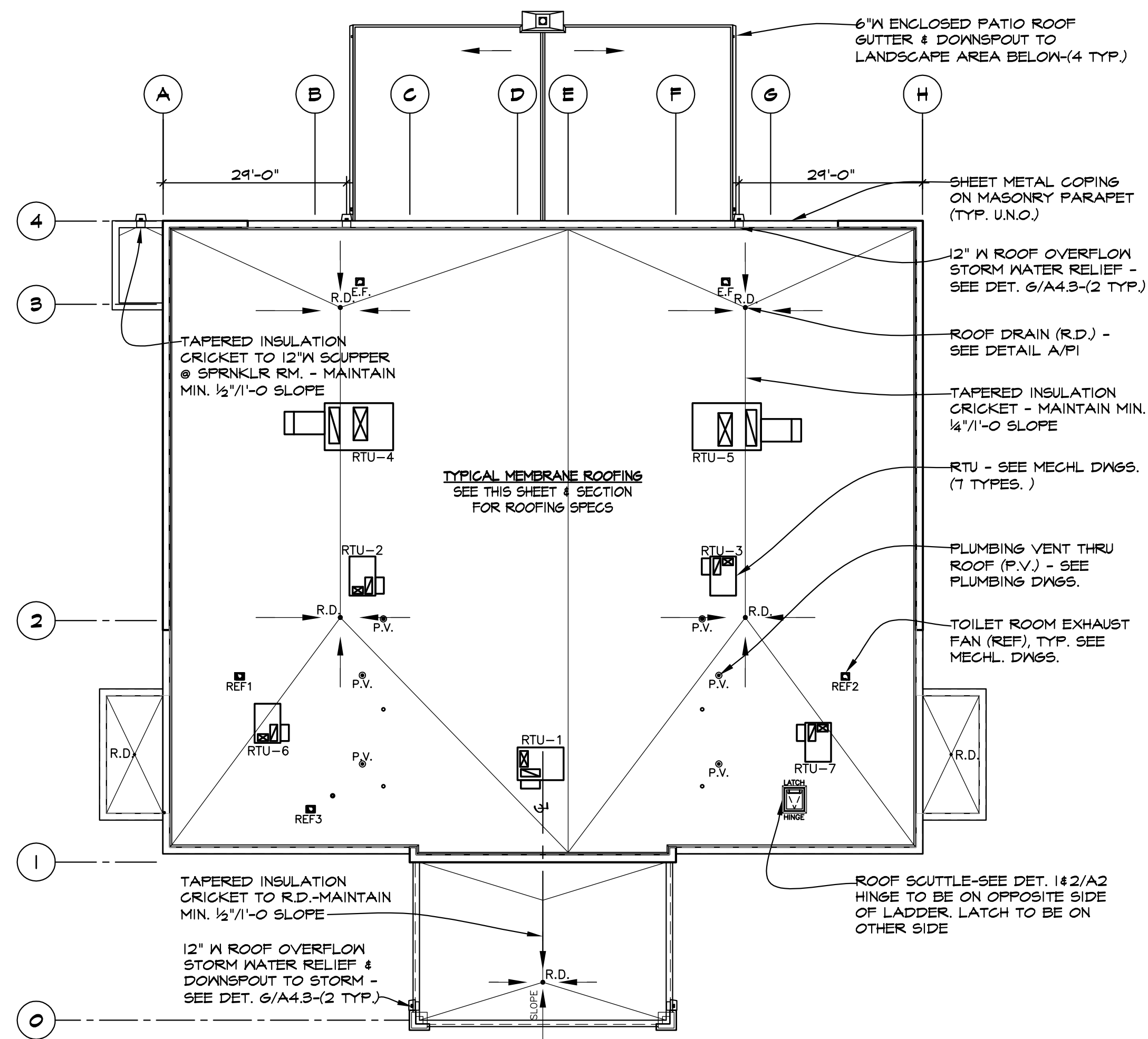
**SHEET TITLE**  
 DOOR SCHEDULE WALL TYPES  
 DETAILS

**2428**

**A6**

UNIC L SMITH  
 001-0161  
 2/2/24





**ROOF PLAN** (SEE WALL SECTIONS FOR ROOF CONSTRUCTION)  
SCALE: 1/16"=1'-0"

**ROOFING SYSTEM SPECIFICATIONS:**

1. BASE BID - TYP. EPDM ROOF SYSTEM; FULLY-ADHERED MIN. 45 MIL BLACK EPDM (WHITE OPTION) ROOFING MEMBRANE OVER POLYISOCYANURATE INSULATION.
2. ALTERNATE BID - TYP. TPO SINGLE PLY ROOFING SYSTEM; MIN. CLASS 'C' CONSTRUCTION; (WHEN TESTED IN ACCORDANCE WITH UL 790 & 1256.) MIN. 45 MIL WHITE ONLY TPO THERMOPLASTIC POLYOLEFIN SINGLE-PLY ROOFING MEMBRANE (MEETING ASTM STANDARDS D3741, D2178, D312, D3909 FOR MATERIAL USED), OVER POLYISOCYANURATE INSULATION.
3. PROVIDE MINIMUM 2 LAYERS OF 2.5" ISOCYANURATE INSULATION MECHANICALLY FASTENED TO 1/2" METAL ROOF DECK. MINIMUM INSULATION 'R' VALUE SHALL BE 30. (SINGLE LAYER WILL NOT ACHIEVE REQUIRED R-VALUE & THICKNESS). TOTAL ROOF SYSTEM SHALL HAVE 90 MPH WIND RESISTANCE, PHYSICAL INTEGRITY AND IMPACT RESISTANCE IN ACCORDANCE WITH ASTM 659, D3746 AND D4212. ALL ROOF COMPONENTS TO BE INSTALLED PER MANUFACTURER INSTRUCTIONS.
4. ROOFING SYSTEM SHALL HAVE TWENTY (20) YEAR FULL SYSTEM NO DOLLAR LIMIT LABOR, WORKMANSHIP (2 YRS) AND MATERIAL WARRANTY FROM THE MEMBRANE MANUFACTURER FROM THE DATE OF FINAL COMPLETION. ROOFING SYSTEM SHALL BE INSTALLED BY A QUALIFIED CONTRACTOR PER MEMBRANE MANUFACTURER'S GUIDELINES AND PER MINIMUM INDUSTRY STANDARDS SUCH AS NATIONAL ROOFING CONTRACTOR'S ASSOCIATION (NRCA) GUIDELINES AND DETAILS. PROVIDE ROOFING SYSTEM BY THE FOLLOWING APPROVED MANUFACTURERS OR APPROVED EQUAL:
  - FIRESTONE BUILDING PRODUCTS (800)428-4442
  - CARLISLE, INC. (717)245-1000
  - JOHN MANVILLE (800)654-3103

**ROOM FINISH KEY**

- FLOOR**
- 10 CLEAR CONCRETE SEALER, SONNEBORN "LAPIDOLITH" NEW CONCRETE SLAB SHALL BE LEVEL AND SMOOTH
  - 11 CARPET - TO BE SELECTED BY OWNER
  - 12 PORCELAIN TILE - TO BE SELECTED BY OWNER
  - 13 CERAMIC TILE - TO BE SELECTED BY OWNER
- BASE**
- 20 NONE
  - 21 4" VINYL COVE BASE - TO BE SELECTED BY OWNER
  - 22 PORCELAIN TILE - TO BE SELECTED BY OWNER
  - 23 CERAMIC TILE - TO BE SELECTED BY OWNER
- WALLS**
- 30 GYP. BD. CAULKED, TAPED, MUDDED AND SANDED SMOOTH AND READY FOR OWNER'S FINISHES
  - 31 PORCELAIN TILE - TO BE SELECTED BY OWNER
  - 32 ALUMINUM STOREFRONT WINDOW SYSTEM. SEE REMARKS ON THIS SHEET, FOR SEALANT REQUIREMENTS.
  - 33 CERAMIC TILE - TO BE SELECTED BY OWNER
  - 34 OPERABLE WALL SYSTEM
  - 35 FIBERGLASS REINFORCED PANEL (FRP) BY MARLITE (OR EQUAL)
- CEILING**
- 40 NONE - EXPOSED TO STRUCTURE
  - 41 2'X2' SUSPENDED ACOUSTICAL TILE
  - 42 2'X4' SUSPENDED ACOUSTICAL TILE
  - 43 GYPSUM BOARD CEILING
  - 44 MOISTURE RESISTANT (M.R.) GYPSUM BOARD CEILING
- REMARKS**
1. FOR CEILING LAYOUT & SPECIFICATIONS, SEE REFLECTED CEILING PLAN.
  2. ALL INTERIOR FINISHES SHALL COMPLY W/ CLASS 2 FLAME SPREAD OF 26-75; SMOKE DEVELOPED 0-450 WHEN TESTED IN ACCORDANCE W/ ASTM E 84.
  3. 5/8" WATER RESISTANT (M.R.) GYPSUM BOARD TO BE APPLIED TO WALLS WITHIN 2'-0" OF ANY PLUMBING FIXTURES (EXCEPT BEHIND WALL TILE), INCLUDING SINK, MOP SINK, ELECTRIC WATER COOLER, SPRINKLER RISERS OR WATER METERS UP TO 4'-0" A.F.F.
  4. PROVIDE NEW CONTINUOUS SEALANT AROUND INTERIOR AND EXTERIOR OF STOREFRONT / WINDOW SYSTEM.
  5. PROVIDE SEALANT WHERE STOREFRONT / WINDOW SYSTEM MEETS GYPSUM BOARD.
  6. FINISHES @ ELEVATOR TO BE SELECTED BY OWNER. ELEVATOR BY OTIS-HYDROFIT OR APPROVED EQUAL; MACHINE-ROOMLESS HOLELESS HYDRAULIC SYSTEM. PASSENGER CAPACITY TO BE VERIFIED W/ OWNER.

**ROOM FINISH SCHEDULE**

MARK	AREA	FLOOR	BASE	WALLS				CEILING		REMARKS
				NORTH	EAST	SOUTH	WEST	MATL.	HT.	
<b>FIRST FLOOR</b>										
100	VESTIBULE	12	22	30/32	30/32	30/32	30/32	43	12'	1(2)(4)(5)
101	FOYER	11	21	30/32	30	30/32	30/32	41/43	20'-8"/22'-8"	1(2)(4)(5)
101N	N. FOYER	11	21	30	30	30/32	30	41/43	9'	1(2)(4)(5)
101S	S. FOYER	11	21	30/32	30	30	30	41/43	9'	1(2)(4)(5)
102N	N. HALLWAY	11	21	30	30	30	30	41	19'	1(2)(3)
102S	S. HALLWAY	11	21	30	30	30	30	41	19'	1(2)(3)
103	EQUIPMENT	10	21	30	30	30	30	40	-	1(2)
104	ELEVATOR	-	-	-	-	-	-	-	-	(6)
105	OFFICE	11	21	30	30	30	30	41	8'	1(2)
106	STORAGE	10	21	30	30	30	30	40	-	1(2)
107N	N. CATERING	13	23	33	33	33	33	42	9'	1(2)(3)
107S	S. CATERING	13	23	33	33	33	33	42	9'	1(2)(3)
108N	WOMEN'S TOILET NORTH	12	22	30/31	30/31	30/31	30/31	41	8'	1(2)(3)
108S	WOMEN'S TOILET NORTH	12	22	30/31	30/31	30/31	30/31	41	8'	1(2)(3)
109N	MEN'S TOILET NORTH	12	22	30/31	30/31	30/31	30/31	41	8'	1(2)(3)
109S	MEN'S TOILET NORTH	12	22	31/32	30/31	30/31	30/31	41	8'	1(2)(3)
110N	N. BALLROOM	11	21	30	30	30	30	41	20'-8"	1(2)(4)(5)
110S	S. BALLROOM	11	21	30	30	30	30	41	20'-8"	1(2)(4)(5)
111	PARTITIONED HALLWAY	11	21	30/34	30	30/34	30	43	19'	1(2)
112	PATIO LOBBY	12	22	30	30/32	30	30	43	19'	1(2)(4)(5)
118N	STORAGE	10	21	30	30	30	30	40	-	1(2)
118S	STORAGE	10	21	30	30	30	30	40	-	1(2)
114N	N. BAR	11	21	30	30	30	30	41	20'-8"	1(2)(3)
114S	S. BAR	11	21	30	30	30	30	41	20'-8"	1(2)(3)
118N	N. VIDEO	11	21	30	30	30	30	41	9'	1(2)
118S	S. VIDEO	11	21	30	30	30	30	41	9'	1(2)
120N	N. STAIRS	10	21	30	30	30	30	40	-	1(2)
120S	S. STAIRS	10	21	30	30	30	30	40	-	1(2)
121	SPRINKLER ROOM	10	21	30	30	30	30	40	-	1(2)
<b>SECOND FLOOR</b>										
201N	N. BRIDAL SUITE	11	21	30	30	30	30	41	9'	1(2)
201S	S. BRIDAL SUITE	11	21	30	30	30	30	41	9'	1(2)
202N	N. GROOM'S HALLWAY	11	21	30	30	30	30	41	9'	1(2)
202S	S. GROOM'S HALLWAY	11	21	30	30	30	30	41	9'	1(2)
203N	N. GOLF	11	21	30	30	30	30	41	11'	1(2)
203S	S. GOLF	11	21	30	30	30	30	41	11'	1(2)
204	ELEVATOR	-	-	-	-	-	-	-	-	(6)
205N	UNISEX TOILET	12	22	30/31	30/31	30/31	30/31	41	8'	1(2)(3)
205S	UNISEX TOILET	12	22	30/31	30/31	30/31	30/31	41	8'	1(2)(3)
206N	UNISEX TOILET	12	22	30/31	30/31	30/31	30/31	41	8'	1(2)(3)
206S	UNISEX TOILET	12	22	30/31	30/31	30/31	30/31	41	8'	1(2)(3)
207N	UNISEX TOILET	12	22	30/31	30/31	30/31	30/31	41	8'	1(2)(3)
207S	UNISEX TOILET	12	22	30/31	30/31	30/31	30/31	41	8'	1(2)(3)
208	STORAGE	10	21	30	30	30	30	40	-	1(2)
210	FOYER BALCONY	11	21	30	30	30	30	41/43	9'/11'	1(2)(4)(5)
220N	N. STAIRS	10	21	30	30	30	30	40	-	1(2)
220S	S. STAIRS	10	21	30	30	30	30	40	-	1(2)

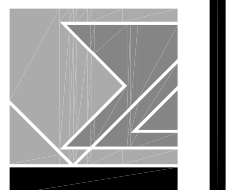
NOTES:

ALL FINISHED FLOORING SURFACES TO BE NON-SLIP IN ACCORDANCE WITH THE ILLINOIS ACCESSIBILITY CODE  
MATERIAL SELECTIONS FOR BIDDING PURPOSES ONLY - FINAL SELECTIONS BY OWNER

**REVISIONS**

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**KMA & ASSOCIATES, ARCHITECTS**  
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**PROPOSED**  
**AVANT GARDENS - BANQUET HALL**  
370 VETERANS PARKWAY, NEW LENOX, ILLINOIS  
FOR: UNLIMITED MASONRY AND CONSTRUCTION, INC.

**SHEET TITLE**  
ROOM FINISH SCHEDULE AND  
ROOF PLAN

**2428**



**A 6.1**

DESIGN CRITERIA:

Table with 2 columns: Category (CODE, ROOF, MEZZANINE, WIND, SEISMIC) and Value (2018 INTERNATIONAL BUILDING CODE, 25 PSF, 0.6C FORM DECK + 2" CONCRETE, etc.)

GENERAL FOUNDATION NOTES:

- 1. THE FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT DATED 09/05/2024, PREPARED BY K AND S ENGINEERS, INC, INC (REPORT NO. 14069).
- 2. ALL SOIL SUPPORTED FOOTINGS SHALL BE FOUNDED UPON UNDISTURBED, NATURAL SUBGRADE WITH A MINIMUM ALLOWABLE BEARING CAPACITY OF 3000 PSF AS FIELD VERIFIED AND APPROVED BY THE OWNER'S SOIL TESTING LABORATORY...

STEEL JOIST NOTES:

- 1. OPEN WEB STEEL JOISTS SHALL CONFORM TO THE STEEL JOIST INSTITUTE "STANDARD SPECIFICATIONS" (SJI), LATEST EDITION, "JOIST MANUFACTURER'S CERTIFICATION THAT JOISTS COMPLY WITH THE SJI" SHALL BE SUBMITTED TO THE ARCHITECT FOR RECORD.
- 2. ALL JOISTS SHALL REQUIRE CONTINUOUS BRIDGING MEMBERS FASTENED DIRECTLY TO EACH JOIST. BRIDGING SHALL BE AS SHOWN ON THE DRAWINGS OR NOT LESS THAN THAT REQUIRED BY THE SJI SPECIFICATIONS.

EXCAVATION NOTES:

- 1. THE PERIMETER OF THE GENERAL EXCAVATION SHALL BE RETAINED BY A SOIL RETENTION SYSTEM. THE DESIGN, INSTALLATION, MAINTENANCE AND REMOVAL SHALL BE THE COMPLETE AND SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 2. THE CONTRACTOR SHALL COORDINATE ALL ELEMENTS OF THE SOIL RETENTION SYSTEM WITH ALL ELEMENTS OF THE PERMANENT BUILDING.
- 3. PRIOR TO EXCAVATION OR INSTALLATION OF ELEMENTS OF THE SOIL RETENTION SYSTEM, THE CONTRACTOR SHALL ESTABLISH SURVEY POINTS AROUND THE PERIMETER OF THE AREA TO BE EXCAVATED AND OTHER POINTS UP TO 200 FEET BEYOND THE PERIMETER.

CONCRETE NOTES:

- 1. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 318 AND ACI 301, LATEST EDITIONS. THESE DOCUMENTS SHALL BE AVAILABLE IN THE FIELD OFFICE.
- 2. EXCEPT WHERE OTHERWISE INDICATED, CONCRETE TYPES AND MINIMUM 28-DAY COMPRESSIVE STRENGTHS SHALL BE AS FOLLOWS: SLAB-ON-GRADE 4000 PSI REGULAR WEIGHT, SLABS ON METAL DECK 4000 PSI REGULAR WEIGHT, FOUNDATION WALLS 4000 PSI REGULAR WEIGHT, ALL OTHER 4000 PSI REGULAR WEIGHT.
- 3. CEMENT SHALL CONFORM TO ASTM C150 TYPE 1. USE ONLY ONE BRAND OF CEMENT FOR ALL EXPOSED TO VIEW CONCRETE.

STRUCTURAL MASONRY NOTES:

- 1. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" ACI 530/ ASCE 5/ TMS 402 AND "SPECIFICATIONS FOR MASONRY STRUCTURES" ACI 530.1/ASCE 6/TMS 602, LATEST EDITION.
- 2. A. MASONRY UNITS: HOLLOW LOAD BEARING CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90, GRADE N, TYPE 1, WITH A MINIMUM ULTIMATE STRENGTH OF 2150 PSI ON THE NET SECTION.
- 3. VERTICAL CELLS TO BE FILLED WITH GROUT SHALL BE ALIGNED TO PROVIDE A CONTINUOUS UNOBSTRUCTED OPENING OF THE DIMENSIONS SHOWN ON THE PLANS. CELLS WHICH WILL CONTAIN VERTICAL REINFORCEMENT SHALL HAVE A MINIMUM OF TWO (2) INCH CLEAR OPENING.

METAL DECK NOTES:

- 1. METAL ROOF DECK SHALL BE GALVANIZED OR PAINTED EXCEPT WHERE GALVANIZING IS SPECIFICALLY REQUIRED. GALVANIZED SHEET STEEL SHALL CONFORM TO ASTM A446 GRADE A AND ASTM A525 WITH A MINIMUM G30 COATING UNLESS OTHERWISE NOTED.
- 2. STEEL FORM DECK ("CENTERING") SHALL BE GALVANIZED USING SHEET STEEL CONFORMING TO ASTM A446 GRADE A, B, C, D OR E AND ASTM A525 WITH A MINIMUM G30 COATING UNLESS OTHERWISE NOTED.
- 3. METAL DECK SECTION PROPERTIES SHALL BE COMPUTED IN ACCORDANCE WITH AISI "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".

STRUCTURAL STEEL NOTES:

- 1. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", LATEST EDITION, AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", LATEST EDITION, EXCEPT AS MODIFIED BELOW OR IN THE SPECIFICATIONS.
- 2. ALL STRUCTURAL STEEL W/ SHAPES SHALL CONFORM TO ASTM A572 OR A992 GRADE 50, ALL OTHER STRUCTURAL STEEL SHAPES, PLATES AND BARS SHALL CONFORM TO ASTM A36 GR 36, UNLESS NOTED OTHERWISE.
- 3. ALL BOLTS (OTHER THAN ANCHOR BOLTS), NUTS AND WASHERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A325. ALL BOLTS SHALL BE 3/4" INCH DIAMETER, MINIMUM. BOLTS USED IN LATERAL LOAD RESISTING CONNECTIONS SHALL BE SLIP CRITICAL TYPE, DESIGNED FOR INDICATED FORCES WITHOUT STRESS INCREASES.

LINTEL NOTES:

- 1. LINTELS SHALL BE PROVIDED FOR ALL OPENINGS AS INDICATED ON THE DRAWINGS. IN ADDITION, LINTELS ARE REQUIRED FOR MECHANICAL, ELECTRICAL OR PLUMBING OPENING IN A MASONRY WALL WITH A WIDTH GREATER THAN 12".
- 2. LINTEL SHALL HAVE A MINIMUM BEARING OF 8 INCHES FOR SPANS UP TO 8'-0" AND 16" FOR SPANS GREATER THAN 8'-0" UNLESS NOTED. LINTELS IN NON-LOAD BEARING WALLS SHALL BE OF THE SIZES LISTED BELOW.
- 3. STEEL LINTELS SHALL BE USED FOR ALL BRICK OPENINGS. CMU OPENINGS IN NON-LOAD BEARING WALLS MAY BE SPANNED WITH EITHER A STEEL LINTEL OR MASONRY LINTEL BLOCK AT THE CONTRACTOR'S OPTION.

MISCELLANEOUS NOTES:

- 1. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE REQUIREMENTS OF ALL DRAWINGS INTO THEIR SHOP DRAWINGS AND WORK.
- 2. NO OPENINGS, OTHER THAN THOSE SHOWN ON DESIGN DRAWINGS AND APPROVED SHOP DRAWINGS, SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT.
- 3. NO CHANGE IN SIZE OR DIMENSION OF STRUCTURAL MEMBERS SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT.

Table with 3 columns: Item, Verification and Inspection, Yes (Continuous/Periodic). Rows include Steel Construction -IBC 1705.2, Concrete Construction -IBC 1705.3, Masonry Construction -IBC 1705.4, and Soils -IBC 1705.6.

Professional Engineer Seal for Hutter Trankina Engineering Consulting Structural Engineers, State of Illinois, License No. 024-24-0111.

Project Information: THIS DRAWING FOR COORDINATION, FOR BIDDING/PERMIT, FOR CONTRACTING, NOT FOR CONSTRUCTION. Includes revision table and contact info for KMA & Associates, Architects.

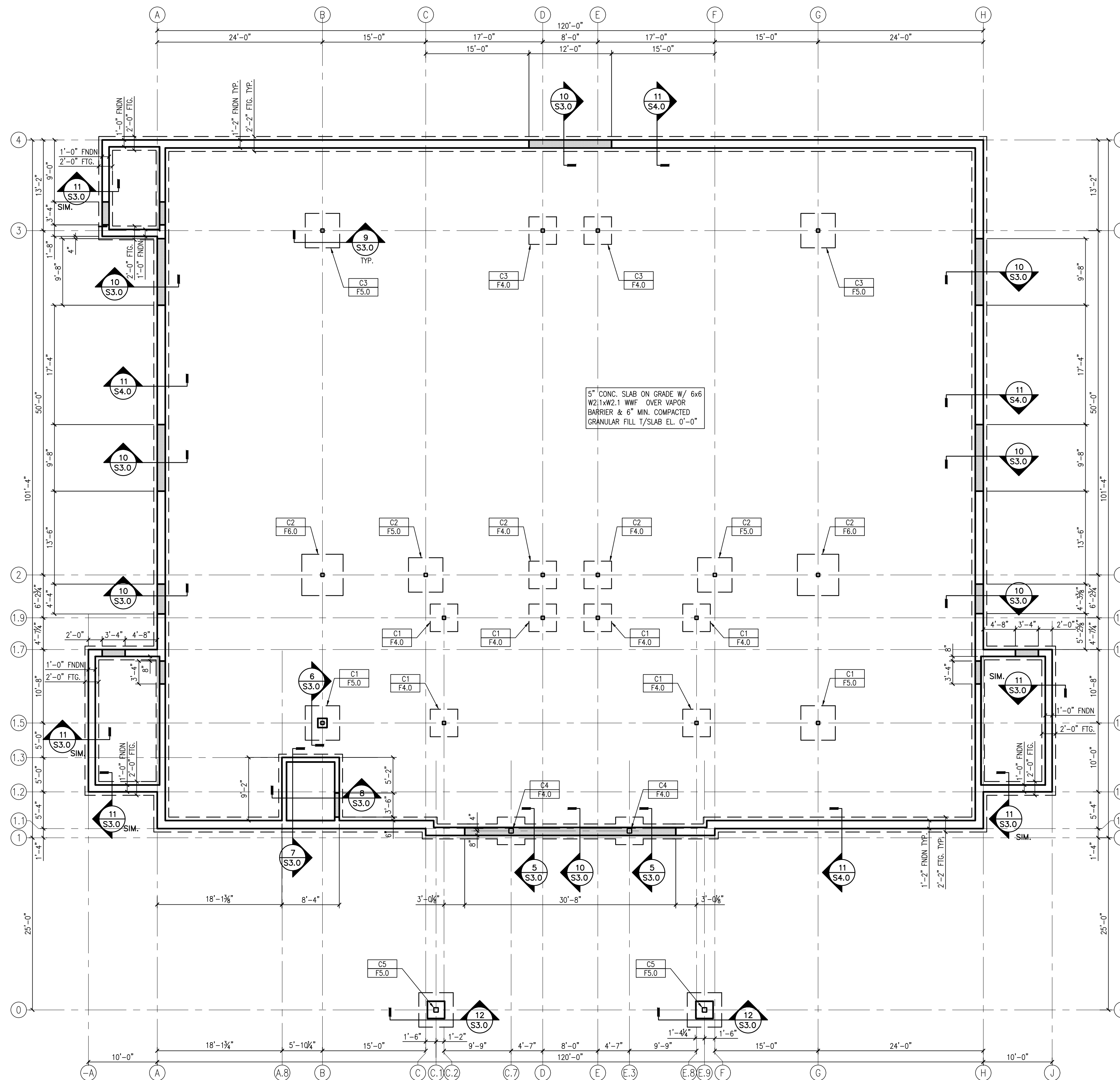
PROPOSED AVANT GARDENS - BANQUET HALL 370 VETERANS PARKWAY, NEW LENOX, ILLINOIS FOR: UNLIMITED MASONRY AND CONSTRUCTION, INC.

SHEET TITLE GENERAL NOTES 2428

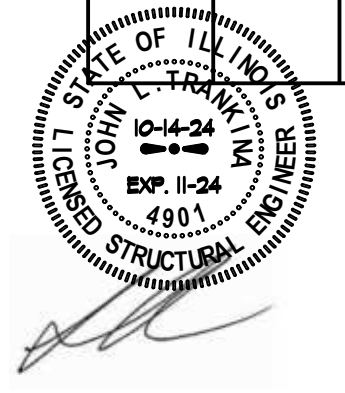
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COLUMN SCHEDULE				
MARK	SIZE	BASE PLATE	ANCHORS	CAP PLATE
C1	HSS 4x4x $\frac{1}{4}$	$\frac{3}{4}$ "x10"x10"	(4) $\frac{3}{4}$ "x12"+3" HOOK	$\frac{1}{4}$ "
C2	HSS 6x6x $\frac{1}{4}$	$\frac{3}{4}$ "x12"x12"	(4) $\frac{3}{4}$ "x12"+3" HOOK	$\frac{1}{4}$ "
C3	HSS 6x6x $\frac{3}{8}$	$\frac{3}{4}$ "x12"x12"	(4) $\frac{3}{4}$ "x12"+3" HOOK	$\frac{1}{4}$ "
C4	HSS 8x8x $\frac{3}{8}$	$\frac{3}{4}$ "x14"x10"	(4) $\frac{3}{4}$ "x12"+3" HOOK	$\frac{1}{4}$ "
C5	HSS 8x8x $\frac{3}{8}$	1"x14"x14"	(4) $\frac{3}{4}$ "x12"+3" HOOK	$\frac{1}{4}$ "

FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
F4.0	4'-0" x 4'-0" x 1'-0"	(4) #5 EACH WAY AT BOTTOM
F5.0	5'-0" x 5'-0" x 1'-0"	(5) #5 EACH WAY AT BOTTOM
F6.0	6'-0" x 6'-0" x 1'-0"	(6) #5 EACH WAY AT BOTTOM



**1 FOUNDATION PLAN**  
 SCALE: 1/8"=1'-0"  
 • VERIFY AND COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS.  
 ■ INDICATES DEPRESSED T/FOUNDATION WALL AT DOORWAYS. SEE 10/S3.0



**HUTTER TRANKINA ENGINEERING**  
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REVISIONS	
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10/11/2024	FOR BIDDING/PERMIT
XX	FOR CONTRACTING
XX	FOR CONSTRUCTION

**KMA & ASSOCIATES, ARCHITECTS**  
 2205 LAKESIDE DRIVE  
 BANNOCKBURN, ILLINOIS  
 (847)945-6869 FAX(847)945-0284

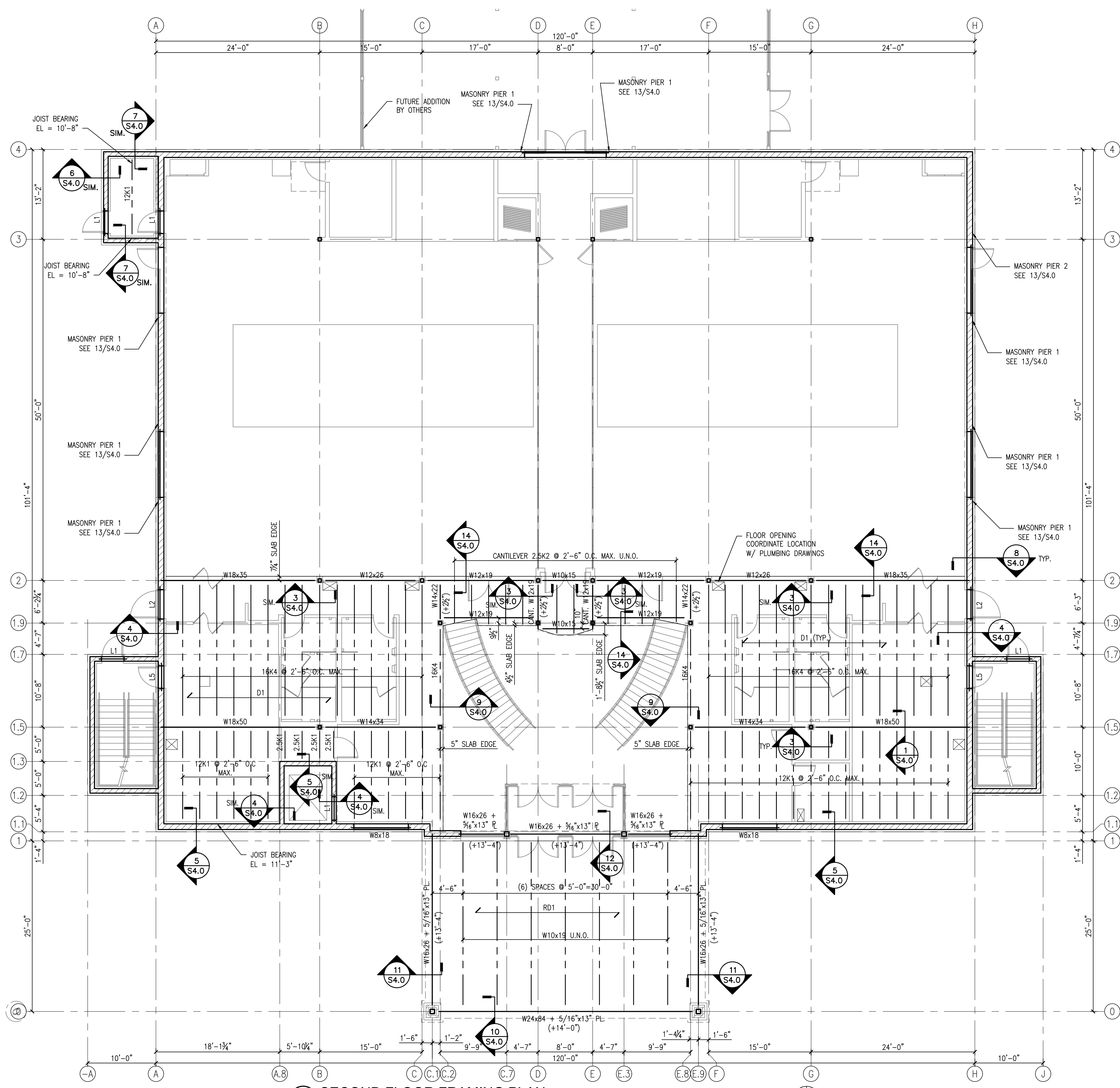
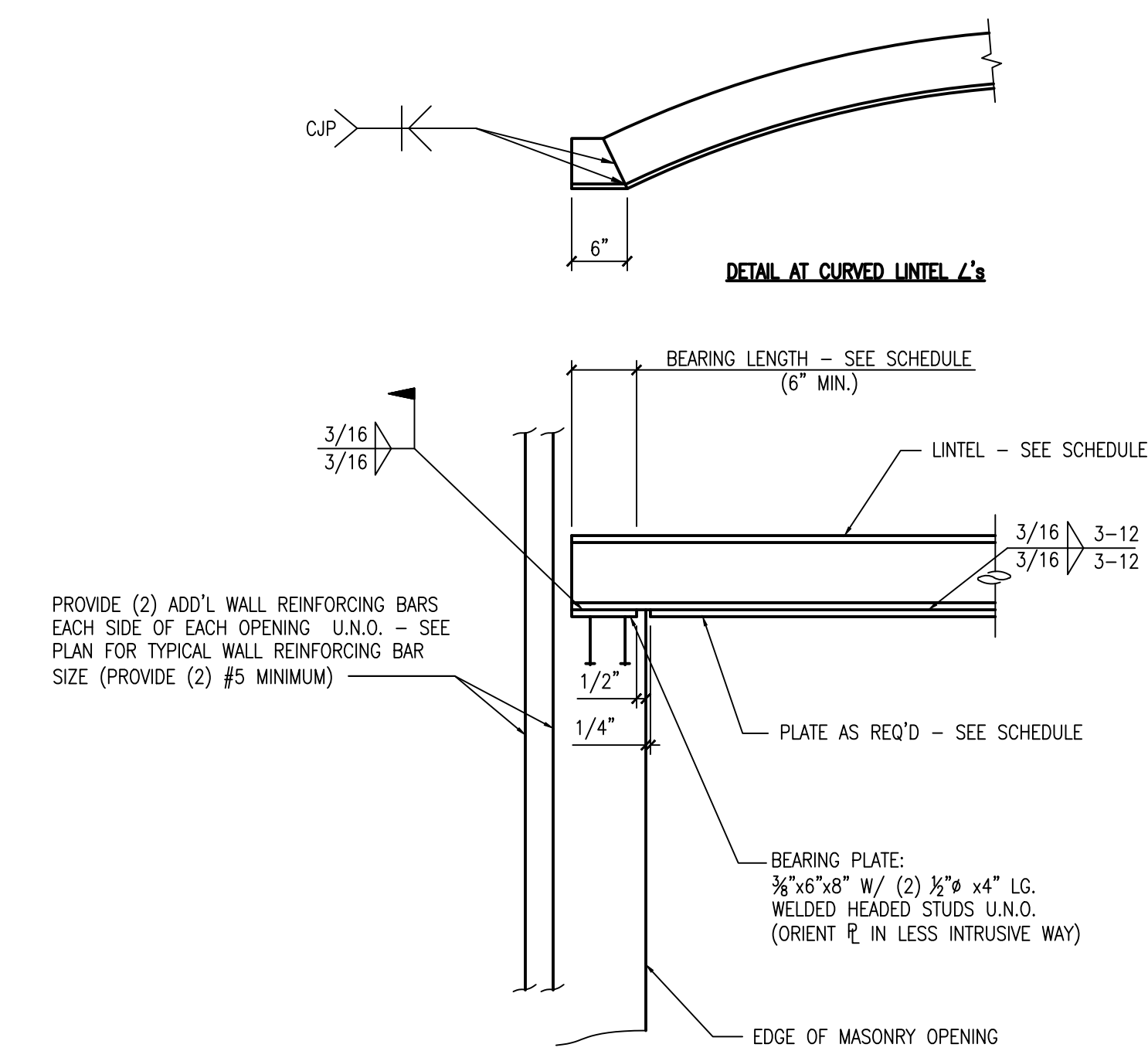
**PROPOSED AVANT GARDENS - BANQUET HALL**  
 370 VETERANS PARKWAY, NEW LENOX, ILLINOIS  
 FOR: UNLIMITED MASONRY AND CONSTRUCTION, INC.

SHEET TITLE  
**FOUNDATION PLAN**  
 2428

**S 2.0**

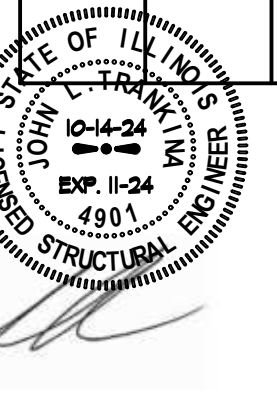
MARK	SECTION	SHAPE	BEARING LENGTH	NOTES
L1	(3) $L3\frac{1}{2} \times 3\frac{1}{2} \times \frac{5}{16}$	L	8"	
L2/L2A	$L3\frac{1}{2} \times 3\frac{1}{2} \times \frac{5}{16} + L4 \times 4 \times \frac{5}{16} + L5 \times 5 \times \frac{5}{16}$	L	8"	CURVED AT L2A
L3	CURVED W8x21 + CONT. $\frac{3}{16} \times 13"$ PL.	W-SHAPE	8"	
L4	CURVED W16x26 + CONT. $\frac{3}{16} \times 13"$ PL.	W-SHAPE	8"	
L5	$L4 \times 4 \times \frac{5}{16} + L5 \times 5 \times \frac{5}{16}$	L	8"	

**2 TYPICAL LINTEL DETAIL**  
SCALE: N.T.S.



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

- VERIFY AND COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
- D1: 0.6 26GA FORM DECK + 2" N.W. CONCRETE TOPPING (2 1/2" TOTAL) W/ 6x6-W2.1xW2.1 WWF. T/CONCRETE = 11'-8"
- NOTE 'A': MECHANICAL CHASE CLOSETS ARE SHOWN FOR REFERENCE AND ONLY INDICATE THE EXTENT OF DECK AND SLAB OPENING. (BEAMS AND JOISTS SHALL REMAIN) GENERAL CONTRACTOR SHALL COORDINATE OTHER OPENINGS NOT SHOWN TO FIT IN BETWEEN JOIST SPACES.
- 1/STEEL ELEV=11'-3"
- SEE S2.0 FOR COLUMN AND FOOTING SCHEDULES.
- PROVIDE JOIST AT ALL COLUMN LOCATIONS U.N.O.



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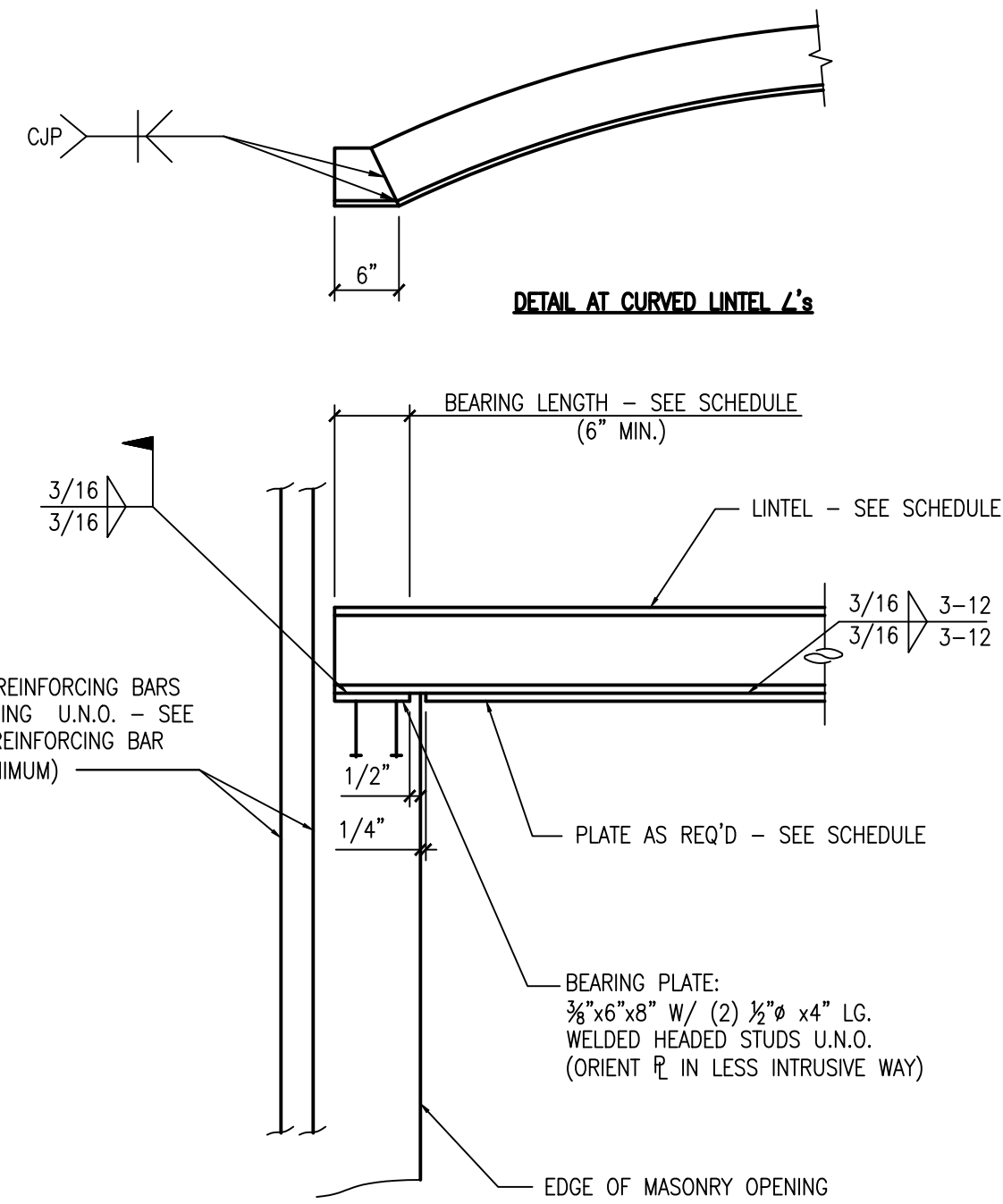
REVISIONS	
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**PROPOSED AVANT GARDENS - BANQUET HALL**  
370 VETERANS PARKWAY, NEW LENOX, ILLINOIS  
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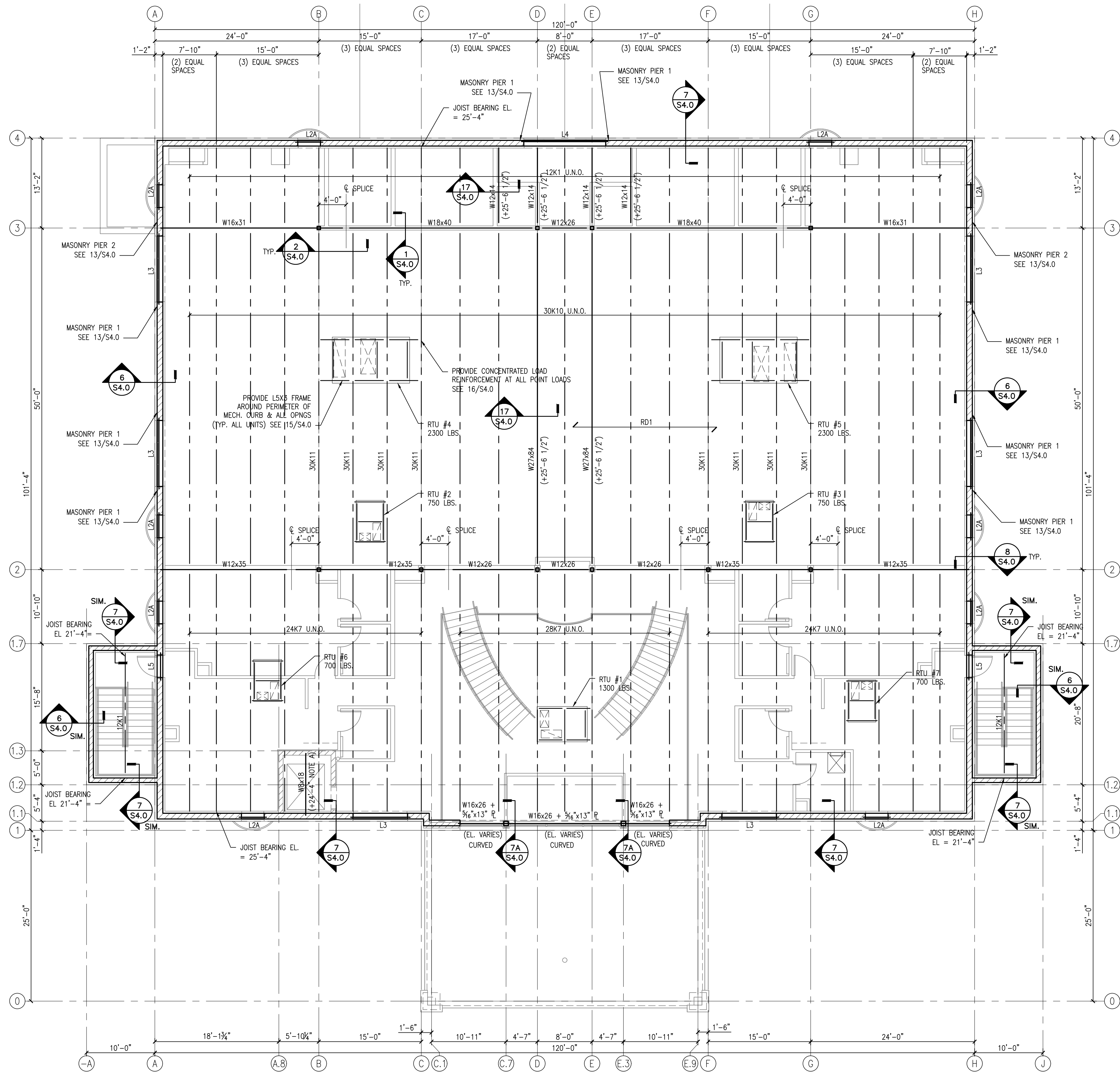
SHEET TITLE  
**SECOND FLOOR FRAMING PLAN**  
2428

**S 2.1**



**2 TYPICAL LINTEL DETAIL**  
SCALE: N.T.S.

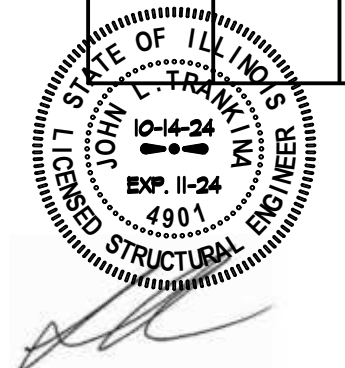
MARK	SECTION	SHAPE	BEARING LENGTH	NOTES
L1	(3) $L3\frac{1}{2} \times 3\frac{1}{2} \times \frac{5}{16}$	L	8"	
L2/LZA	$L3\frac{1}{2} \times 3\frac{1}{2} \times \frac{5}{16} + L4 \times 4 \times \frac{5}{16} + L5 \times 5 \times \frac{5}{16}$	L	8"	CURVED AT L2A
L3	CURVED WBx21 + CONT. $\frac{5}{16} \times 13"$ PL.	W-SHAPE	8"	
L4	CURVED W16x26 + CONT. $\frac{5}{16} \times 13"$ PL.	W-SHAPE	8"	
L5	$L4 \times 4 \times \frac{5}{16} + L5 \times 5 \times \frac{5}{16}$	L	8"	



**1 ROOF FRAMING PLAN**

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

- VERIFY AND COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
- RD1: PROVIDE 1/2"-20 GA. WIDE RIB PAINTED METAL DECK CONTINUOUS OVER 3 SPANS. WELD TO SUPPORTS IN  $\frac{1}{2}$ " PATTERN AND PROVIDE (2) #10 TEK SCREWS AT SIDE LAPS.
- SEE S2.0 FOR COLUMN & FOOTING SCHEDULES.
- PROVIDE JOIST AT ALL COLUMN LOCATIONS U.N.O.
- 1/STEEL = 25'-4" UNLESS NOTED OTHERWISE.
- NOTE A: VERIFY HOIST BEAM ELEVATION W/ ELEVATOR MANUFACTURER.



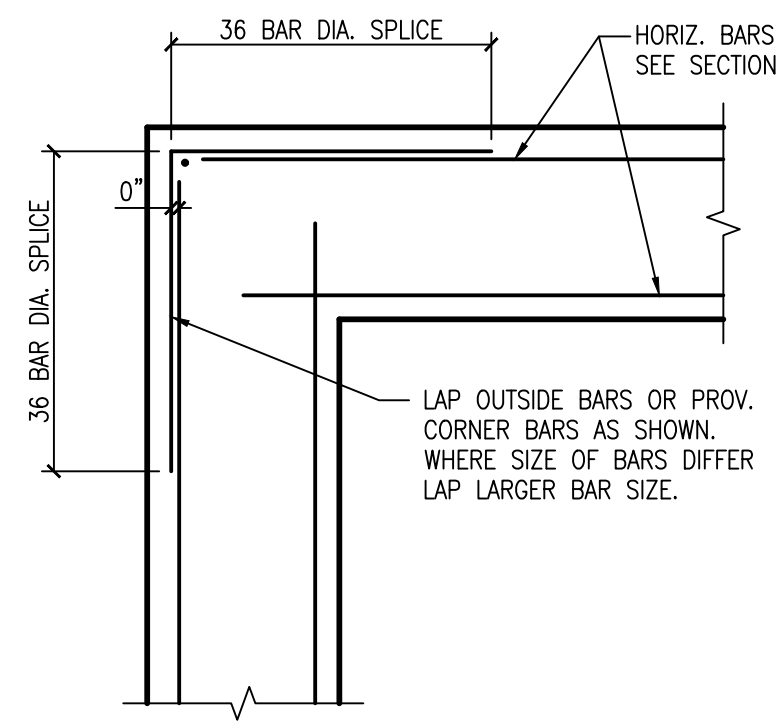
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REVISIONS	
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NOT FOR CONTRACTING	

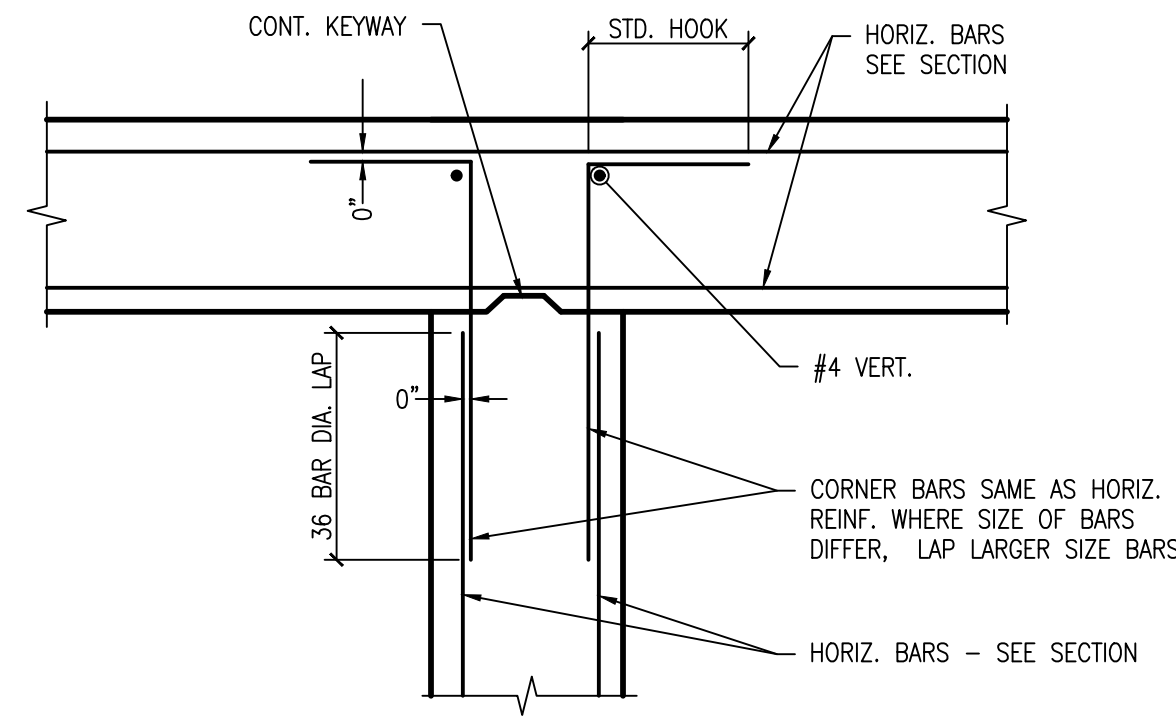
**PROPOSED**  
**AVANT GARDENS - BANQUET HALL**  
370 VETERANS PARKWAY, NEW LENOX, ILLINOIS  
FOR: UNLIMITED MASONRY AND CONSTRUCTION, INC.

SHEET TITLE  
**ROOF FRAMING PLAN**  
2428

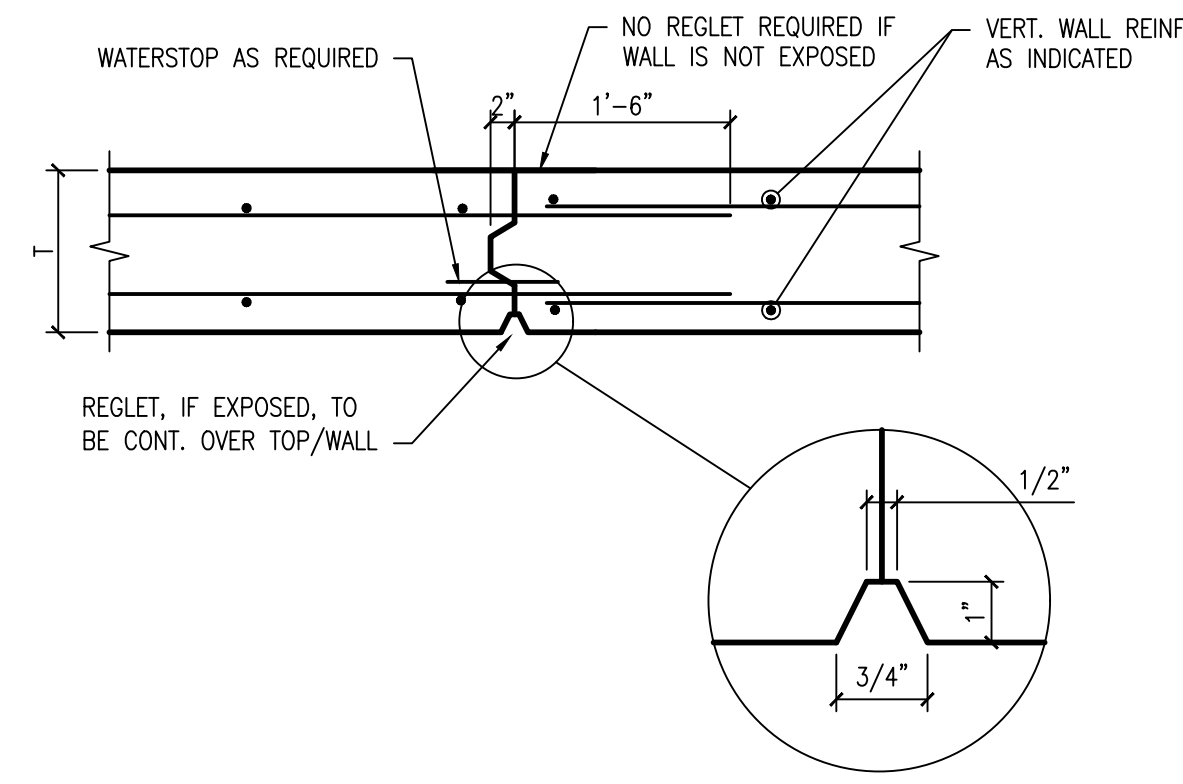
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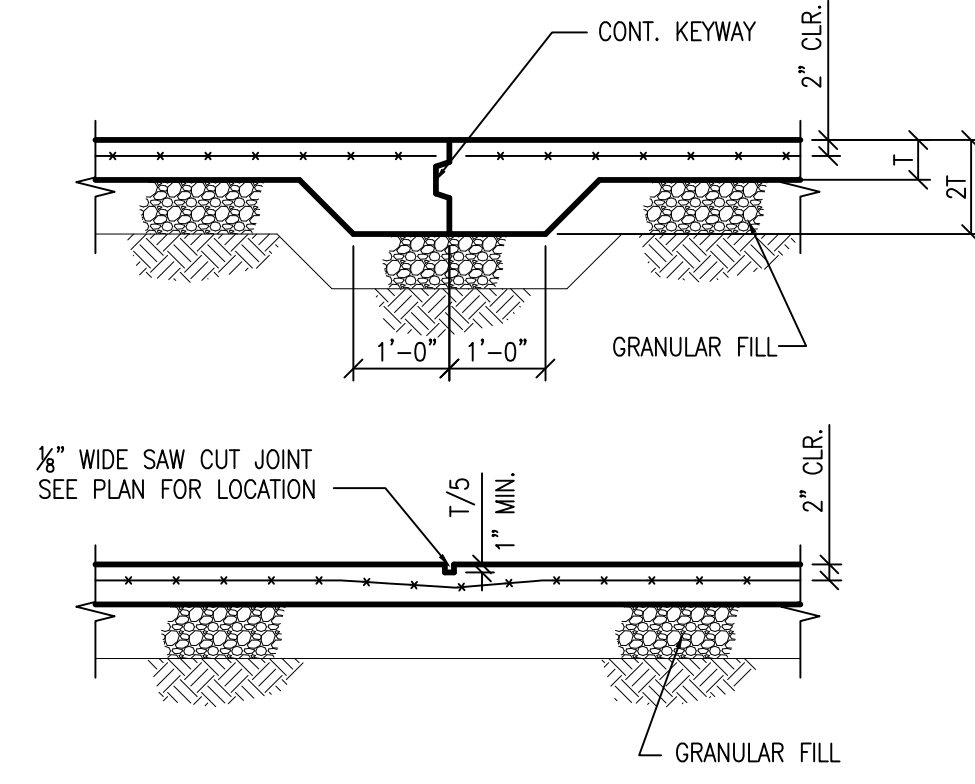
1 CORNER BAR AT CONC. WALLS  
SCALE: NTS



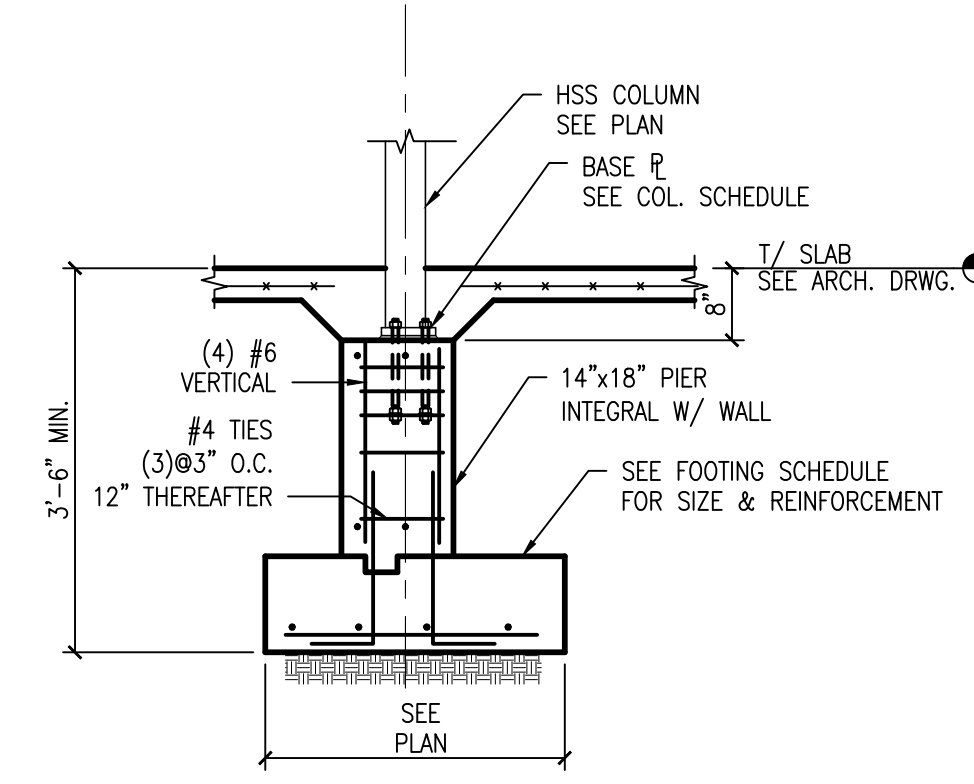
2 HORIZ. REINF. AT INTERSECTION OF CONC. WALLS  
SCALE: NTS



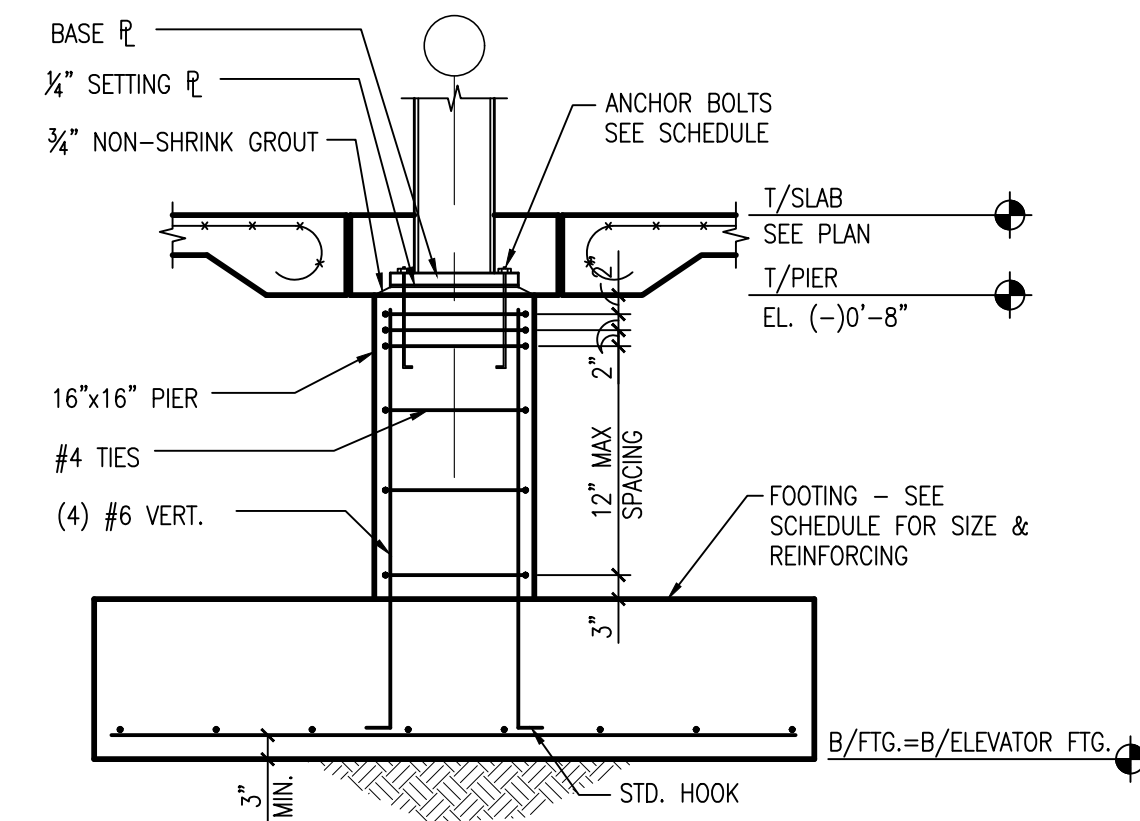
3 TYP. WALL CONSTRUCTION JOINT DETAIL  
SCALE: NTS



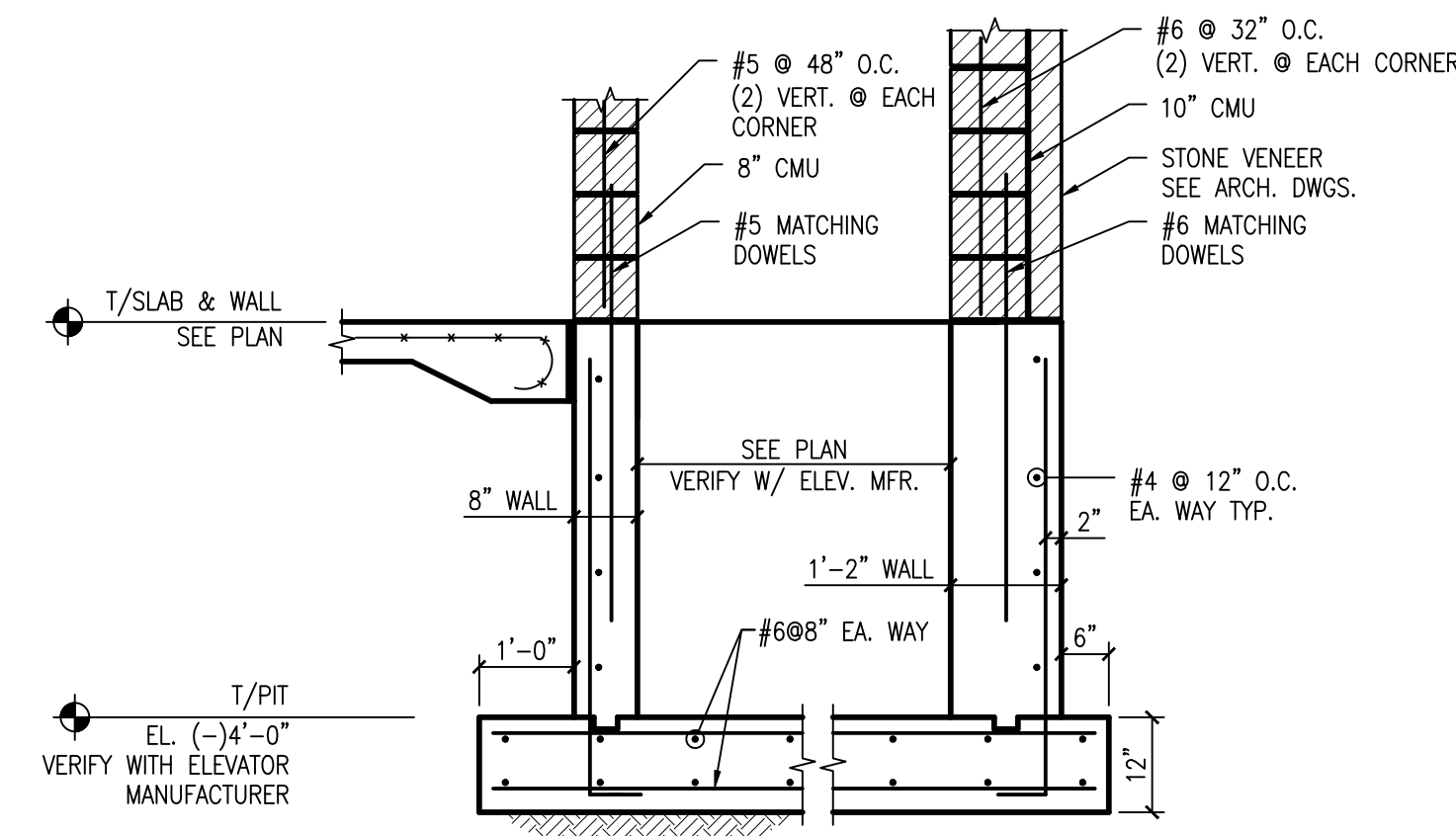
4 TYPICAL SLAB DETAIL  
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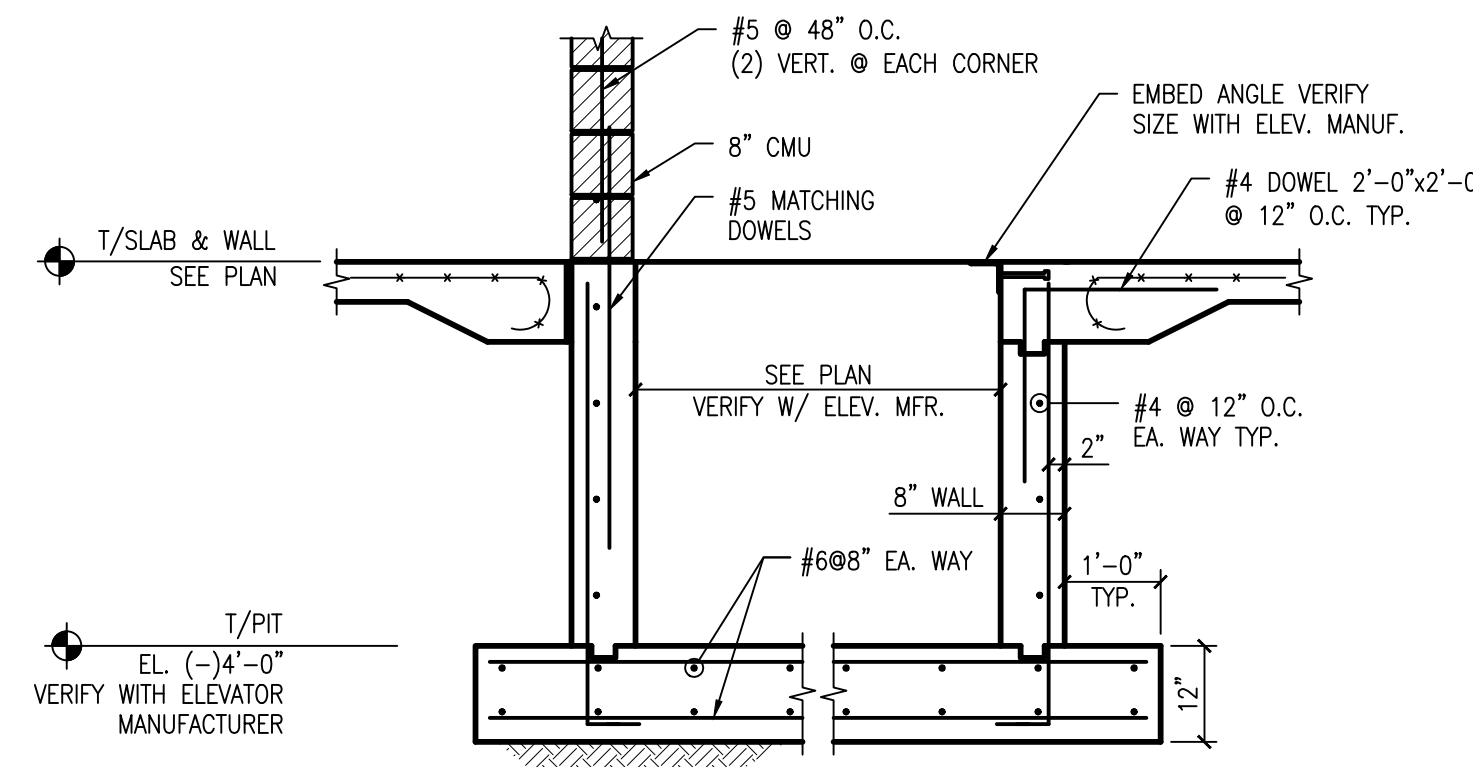
5 SECTION  
SCALE: 1/2"=1'-0"



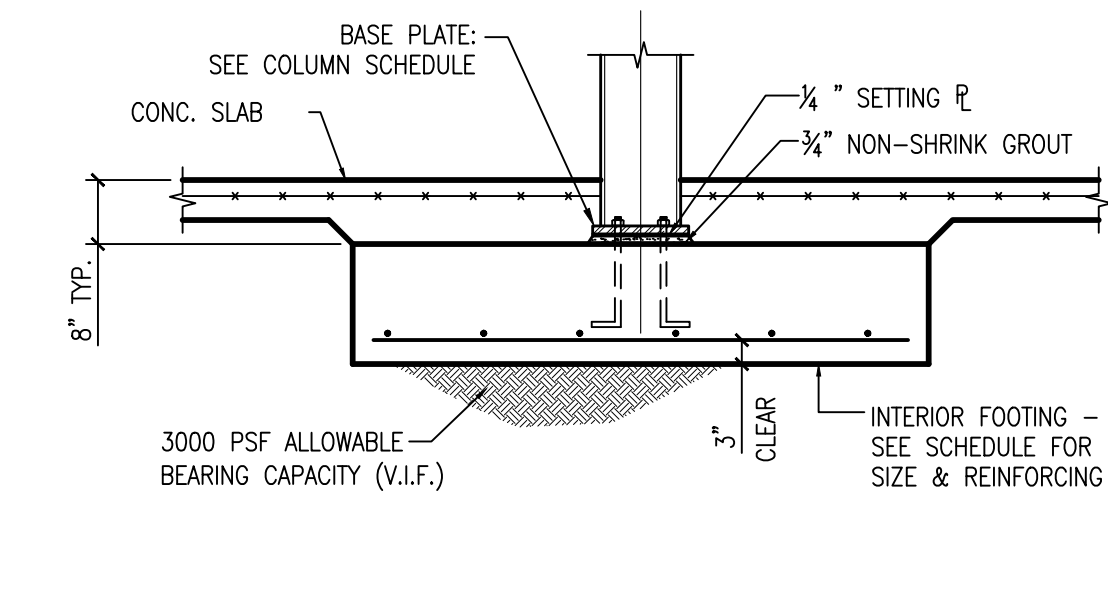
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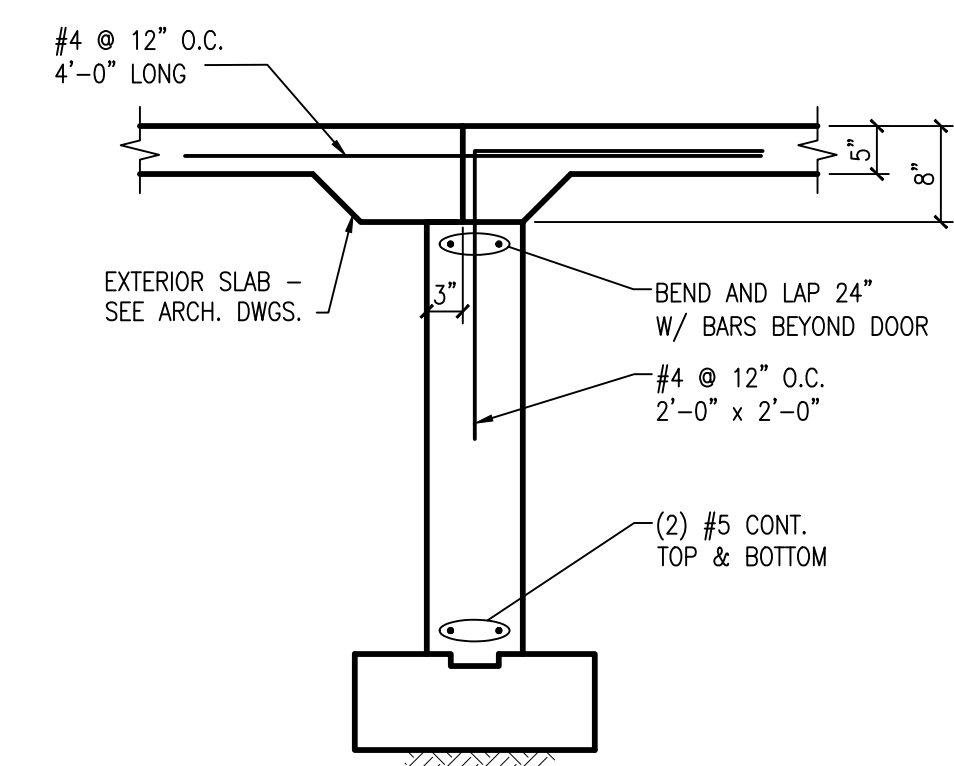
7 ELEVATOR PIT DETAIL  
SCALE: 1/2"=1'-0"



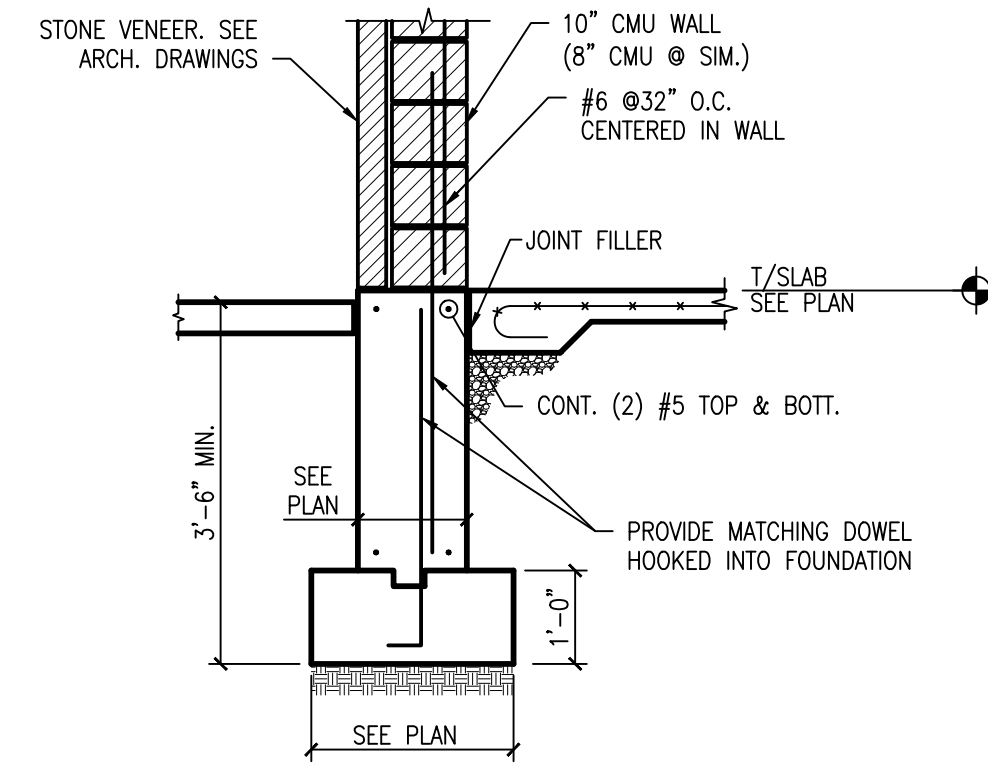
8 ELEVATOR PIT DETAIL  
SCALE: 1/2"=1'-0"



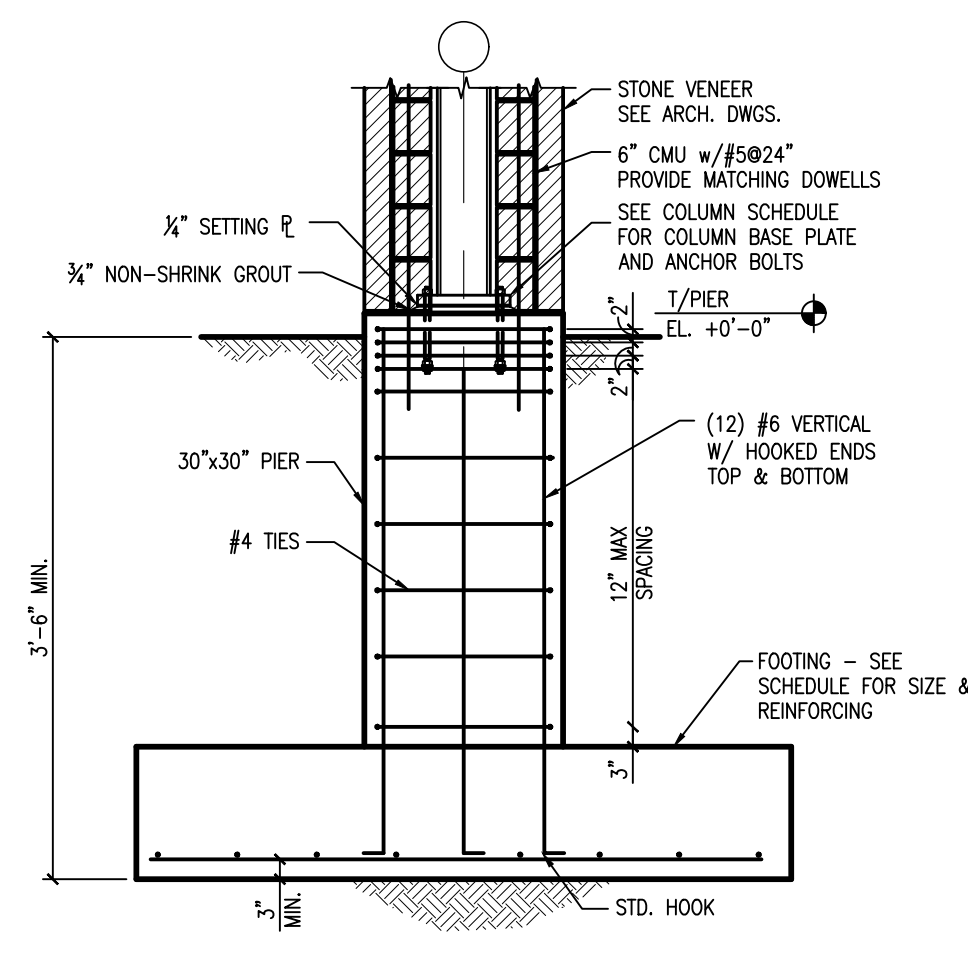
9 SECTION  
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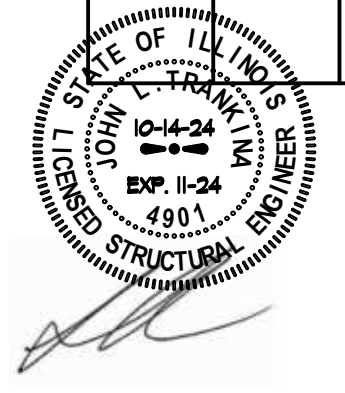
10 TYPICAL FNDN WALL AT DOORWAY  
SCALE: NTS



11 SECTION  
SCALE: 1/2"=1'-0"



12 SECTION  
SCALE: 1/2"=1'-0"



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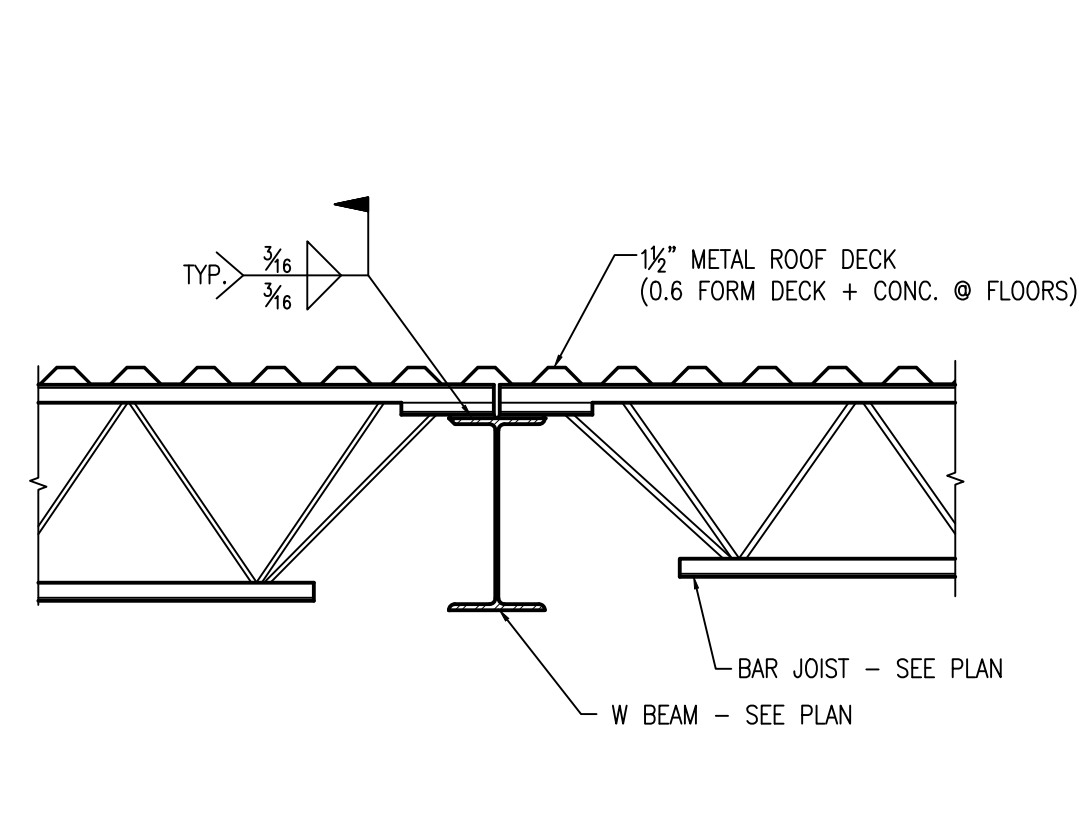
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FOR BIDDING/PERMIT	9/27/2024
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FOR CONTRACTING	
NOT FOR CONSTRUCTION	

THIS DRAWING  
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FOR BIDDING/PERMIT  
XX  
FOR CONTRACTING  
NOT FOR CONSTRUCTION

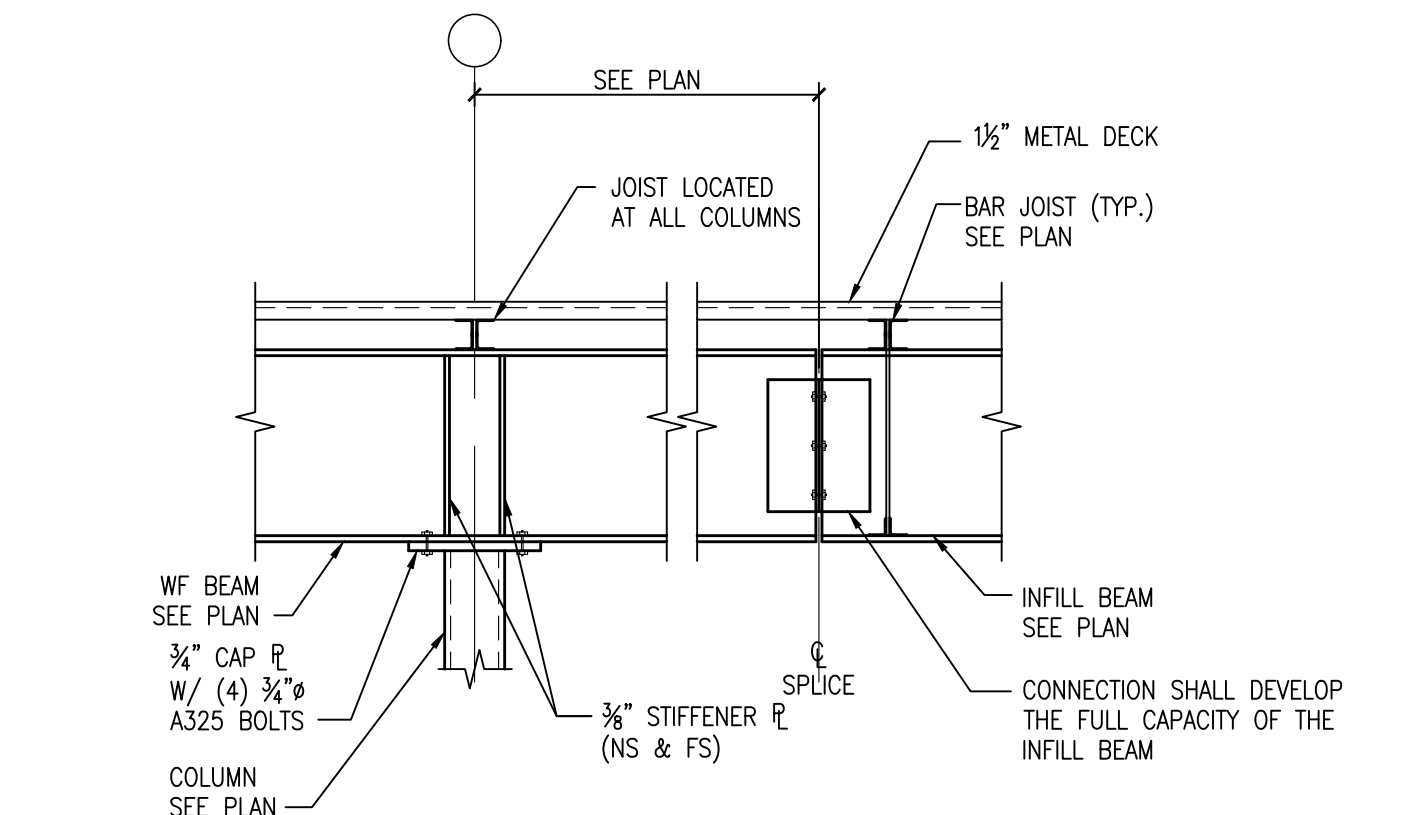
PROPOSED  
AVANT GARDENS - BANQUET HALL  
370 VETERANS PARKWAY, NEW LENOX, ILLINOIS  
FOR: UNLIMITED MASONRY AND CONSTRUCTION, INC.

SHEET TITLE  
FOUNDATION  
DETAILS  
2428

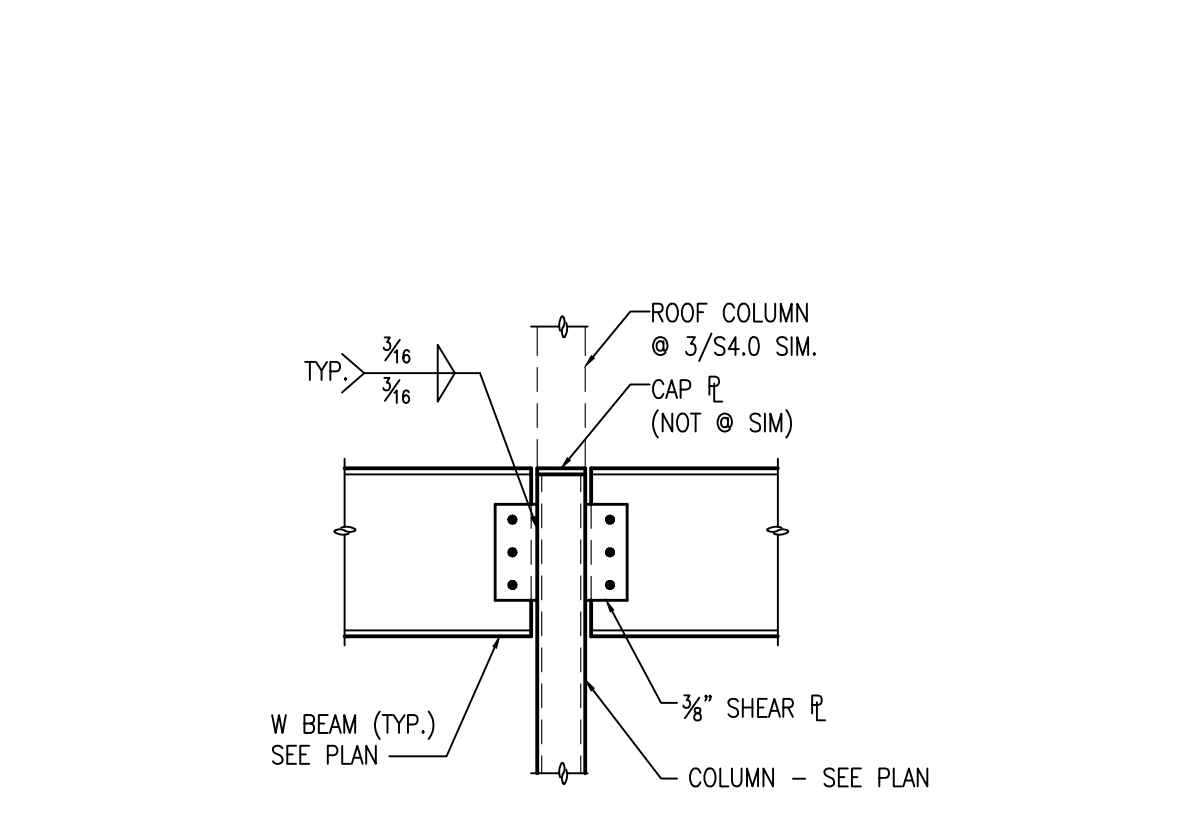
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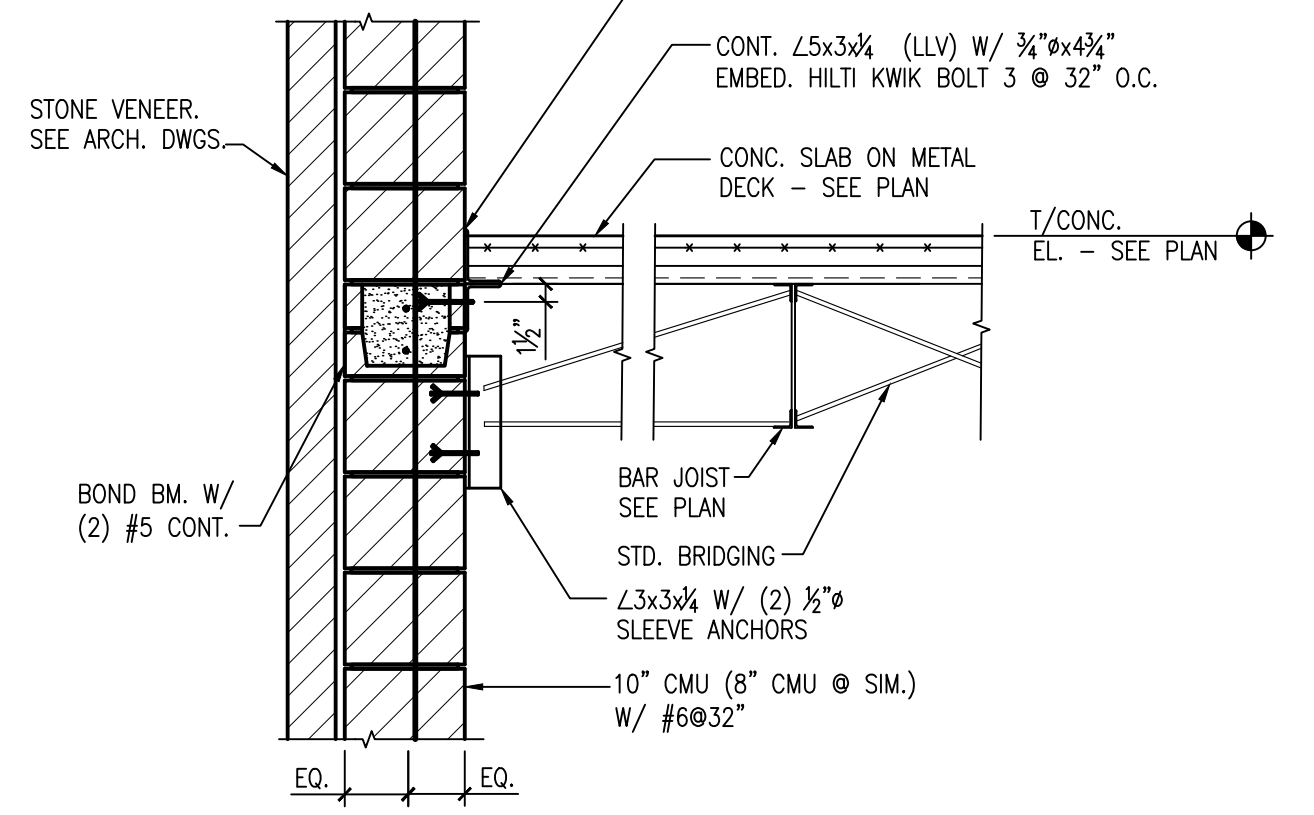
1 TYPICAL JOIST/B EAM CONNECTION  
SCALE: 3/4"=1'-0"



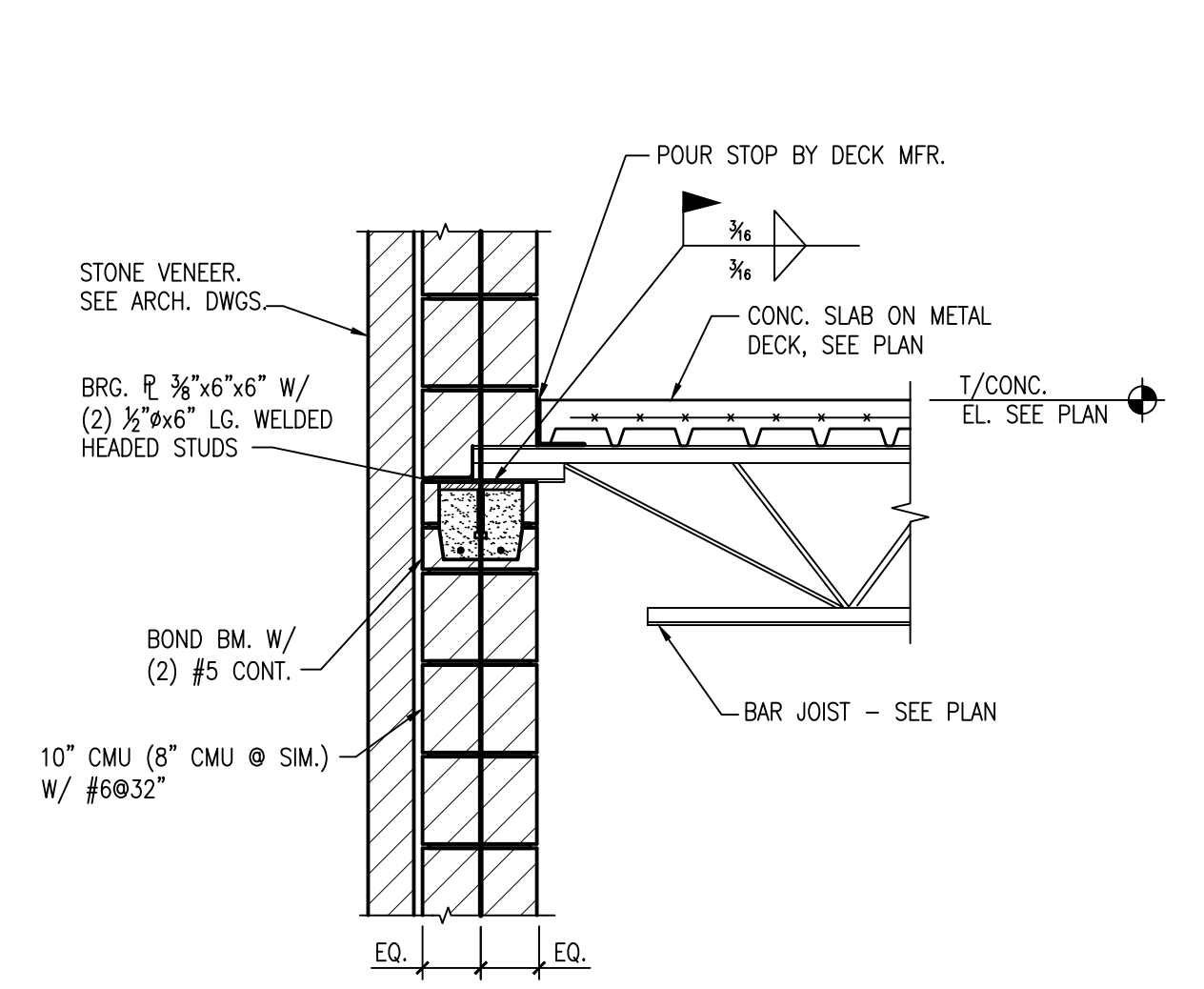
2 TYPICAL ROOF/B EAM/COLUMN CONNECTION  
SCALE: 3/4"=1'-0"



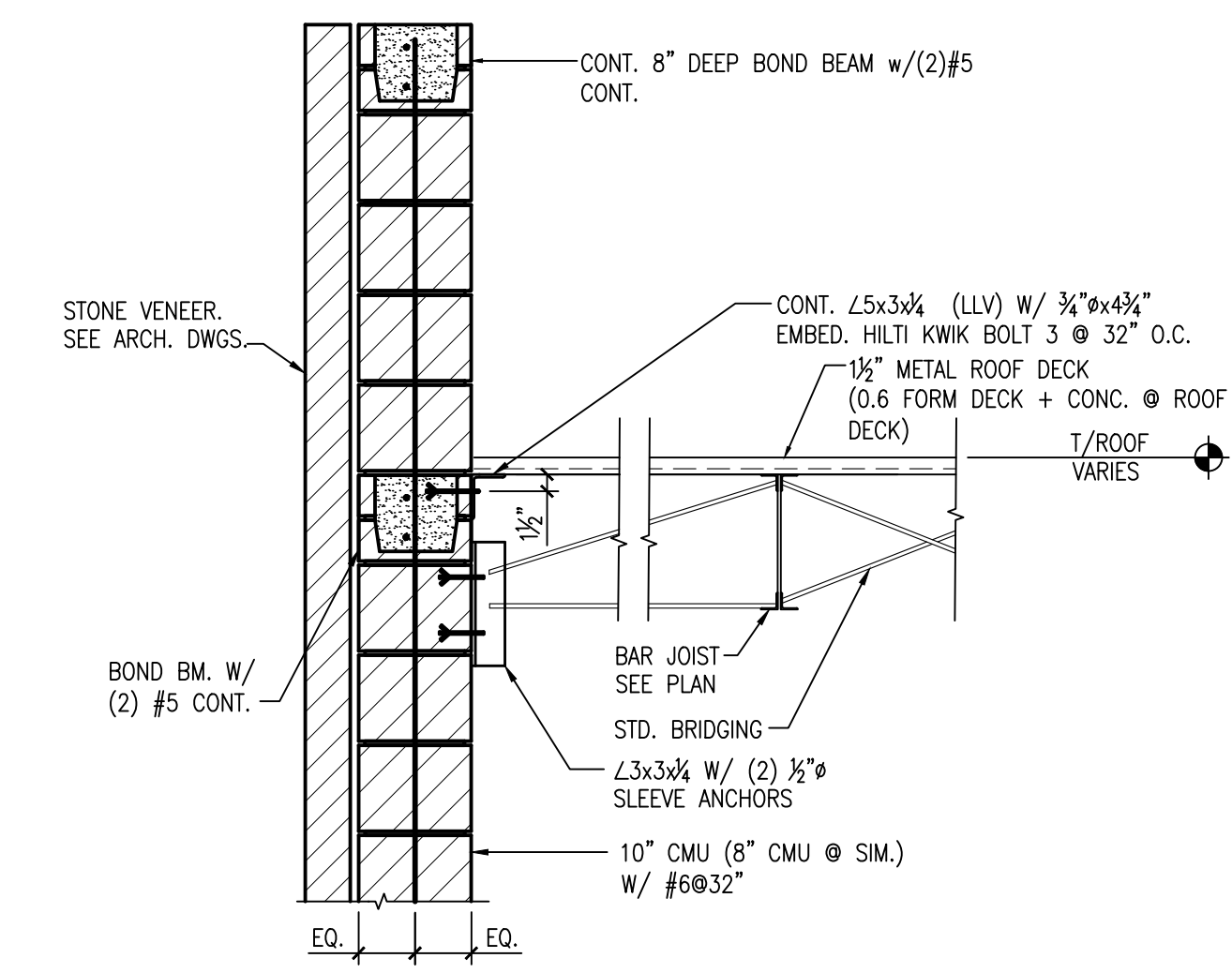
3 TYPICAL MEZZANINE BEAM CONNECTION  
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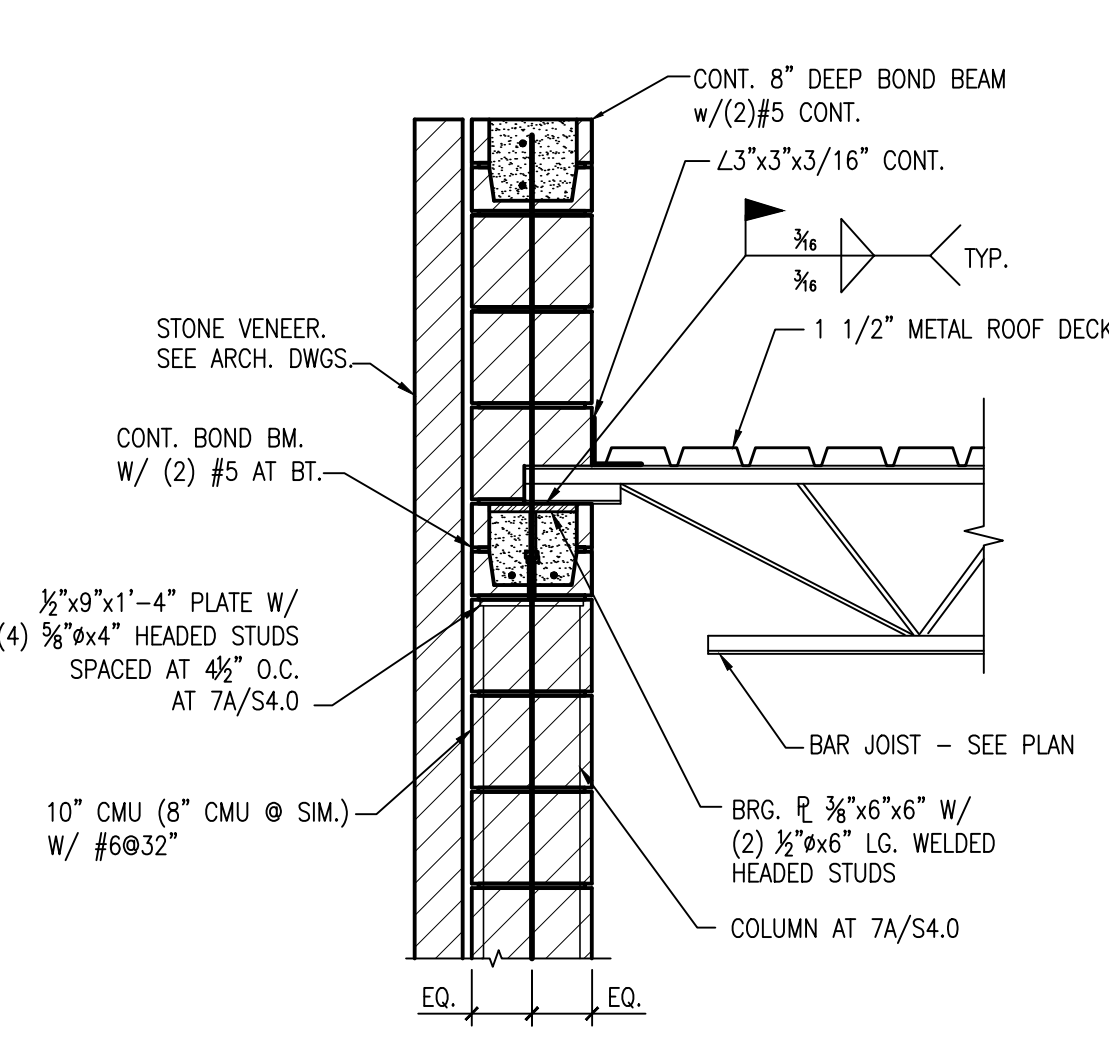
4 SECTION  
SCALE: 3/4"=1'-0"



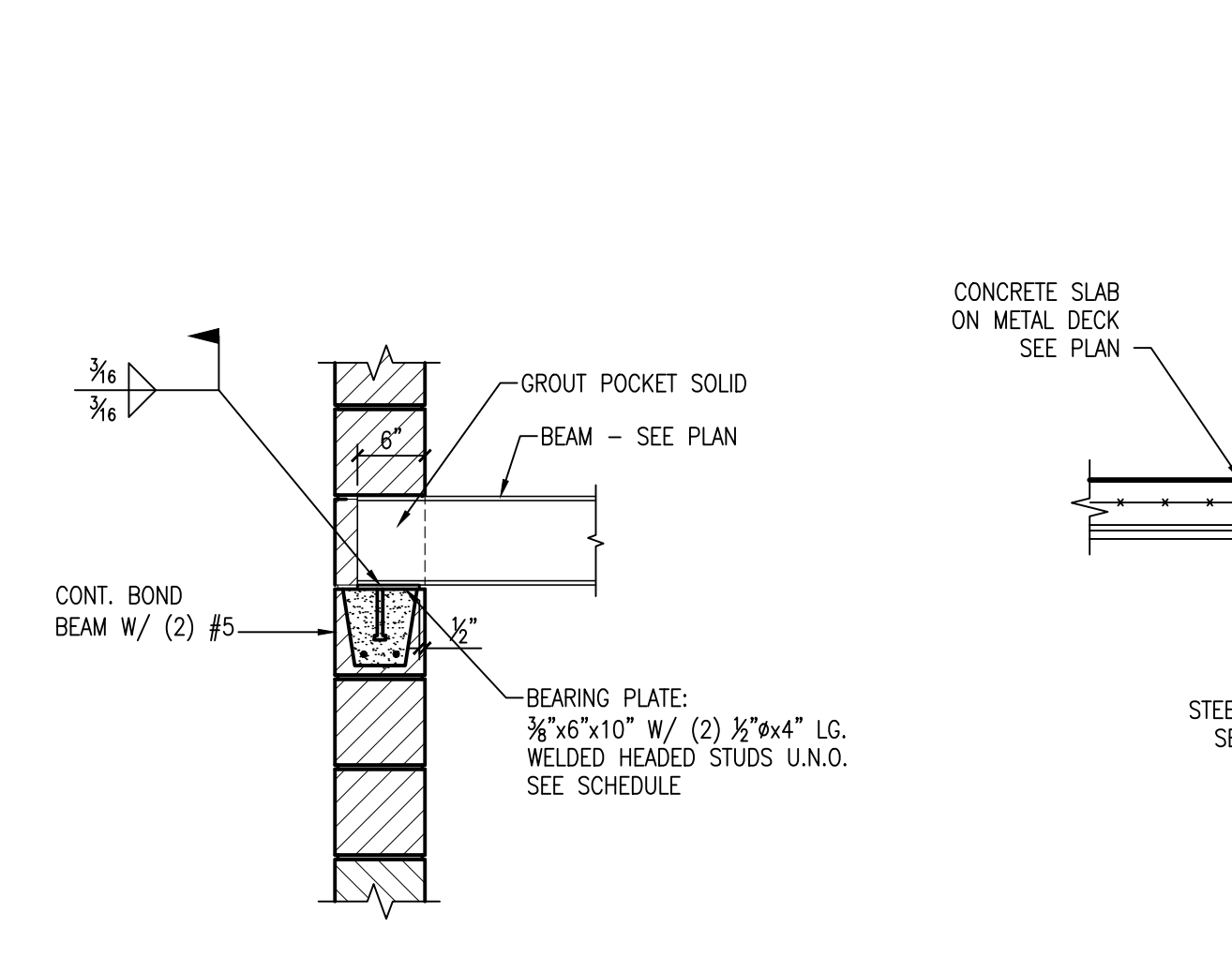
5 FLOOR BAR JOIST BEARING ON MASONRY  
SCALE: 3/4"=1'-0"



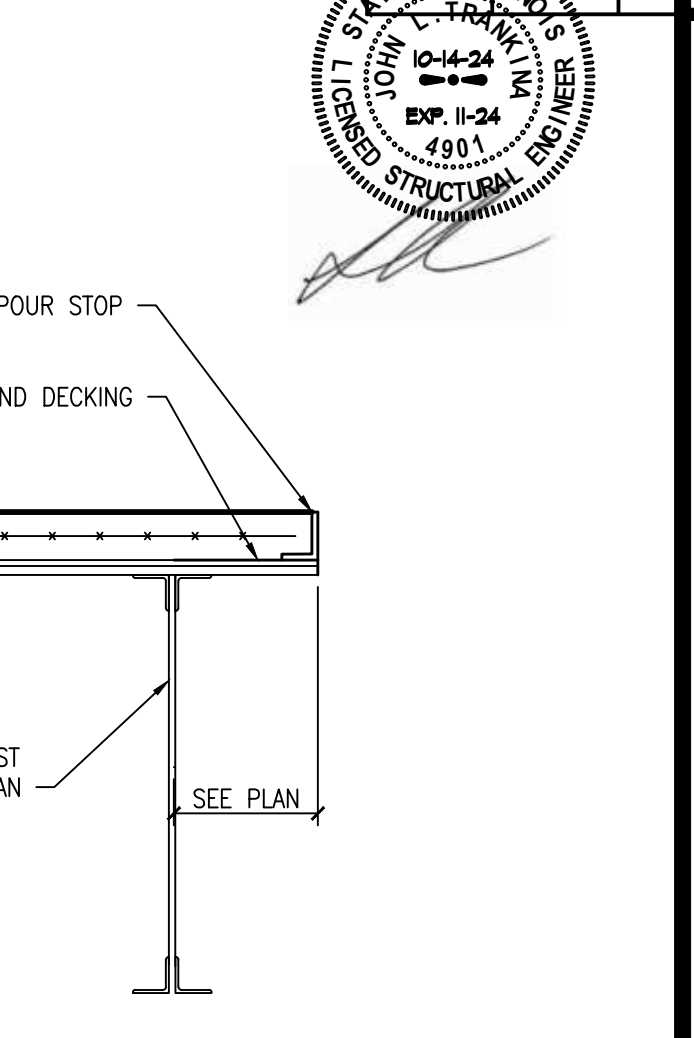
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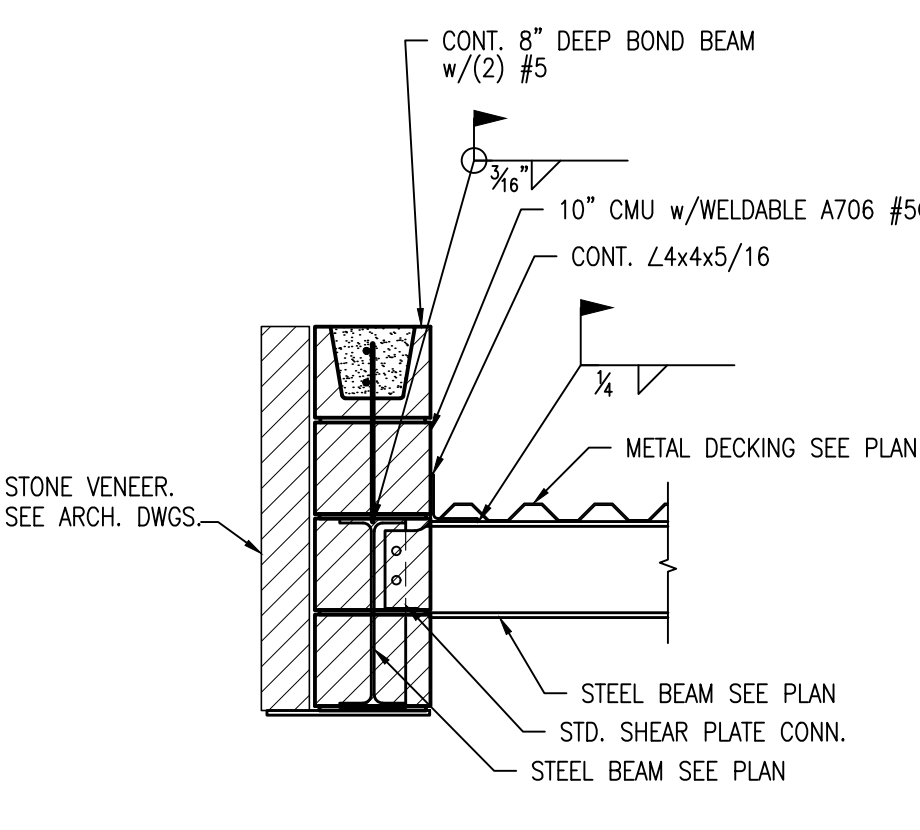
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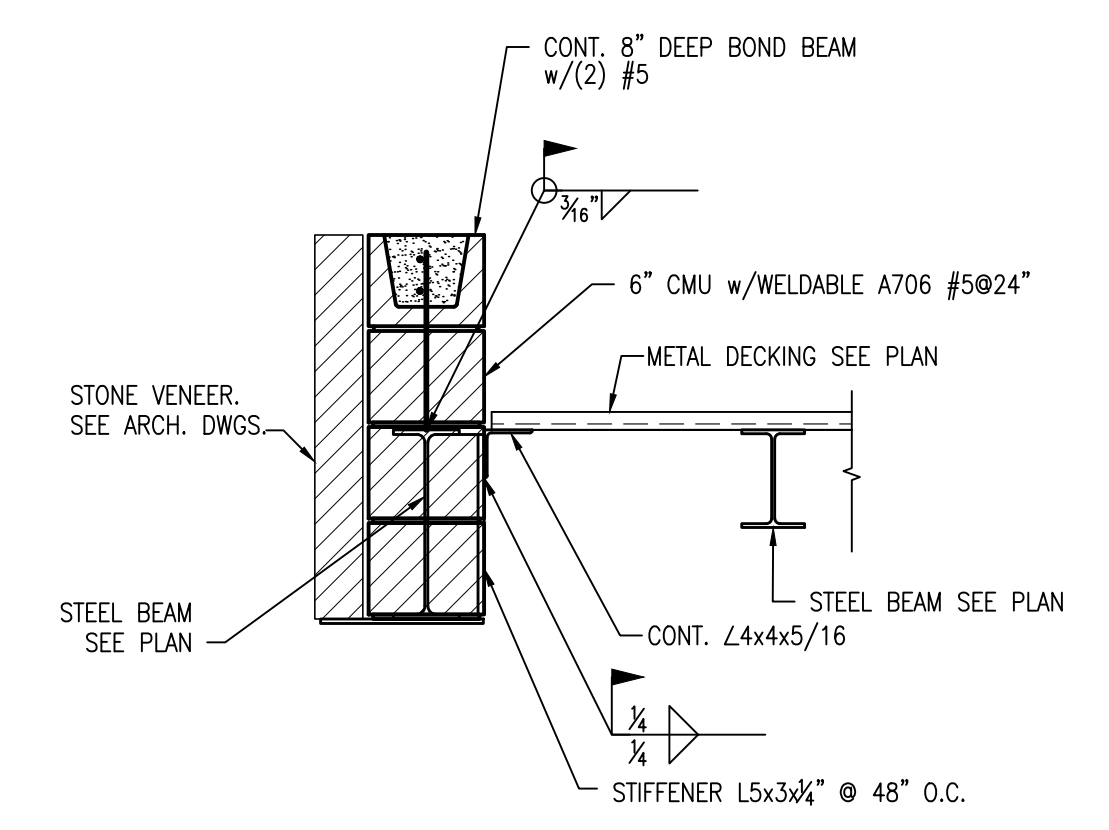
8 SECTION  
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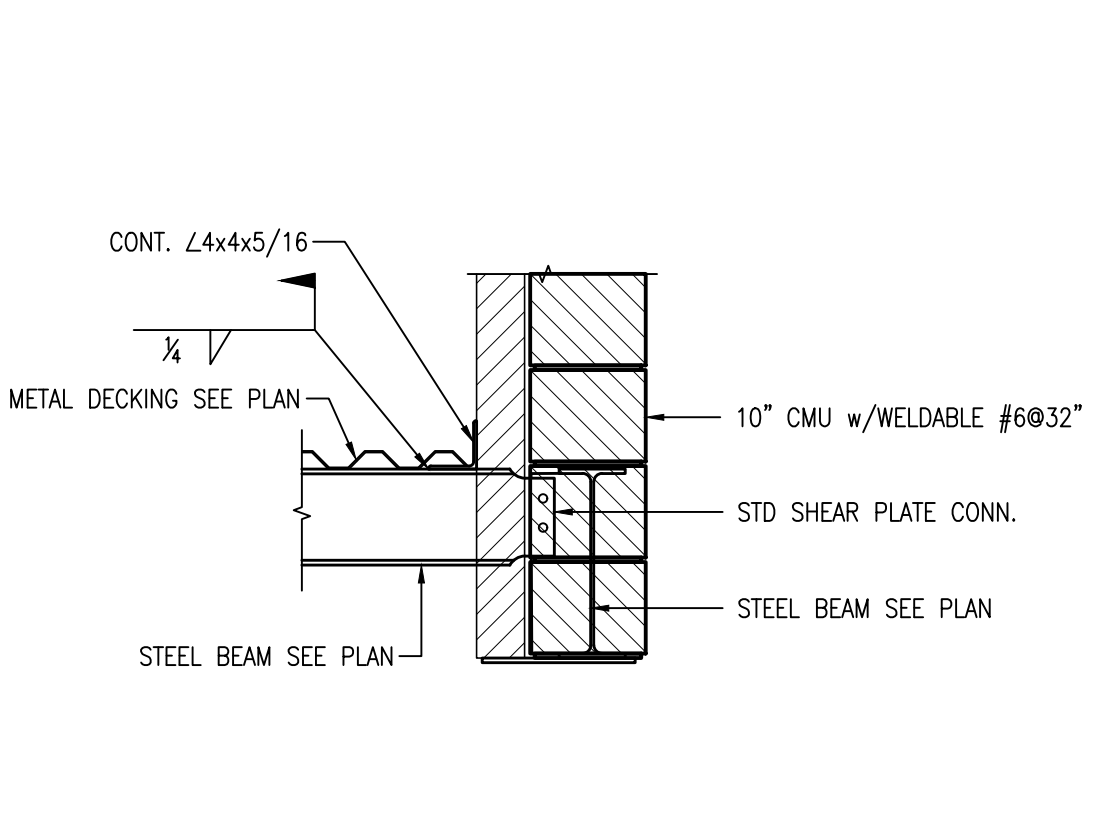
9 SECTION  
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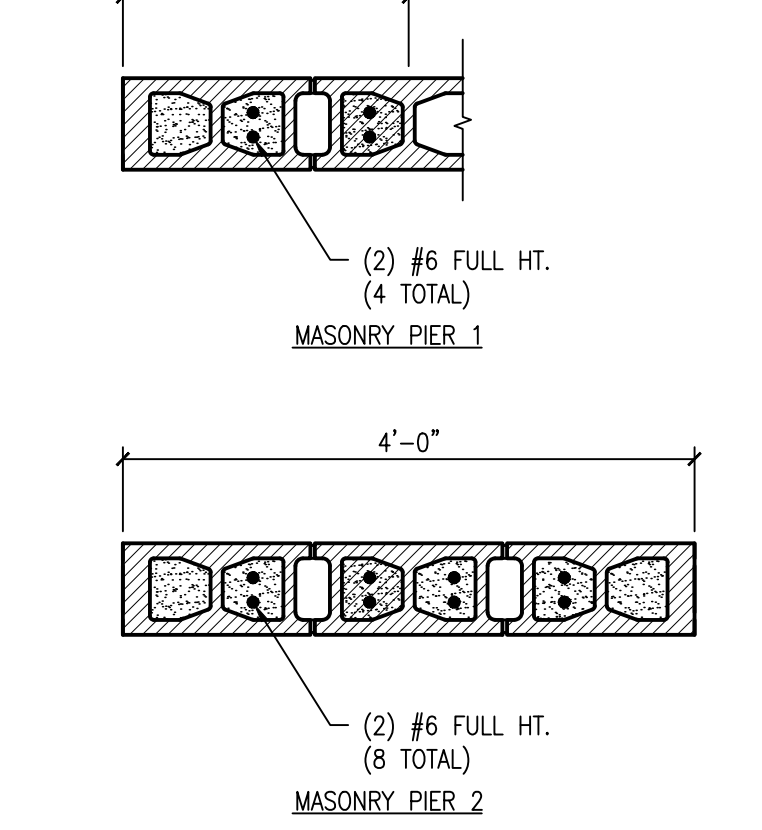
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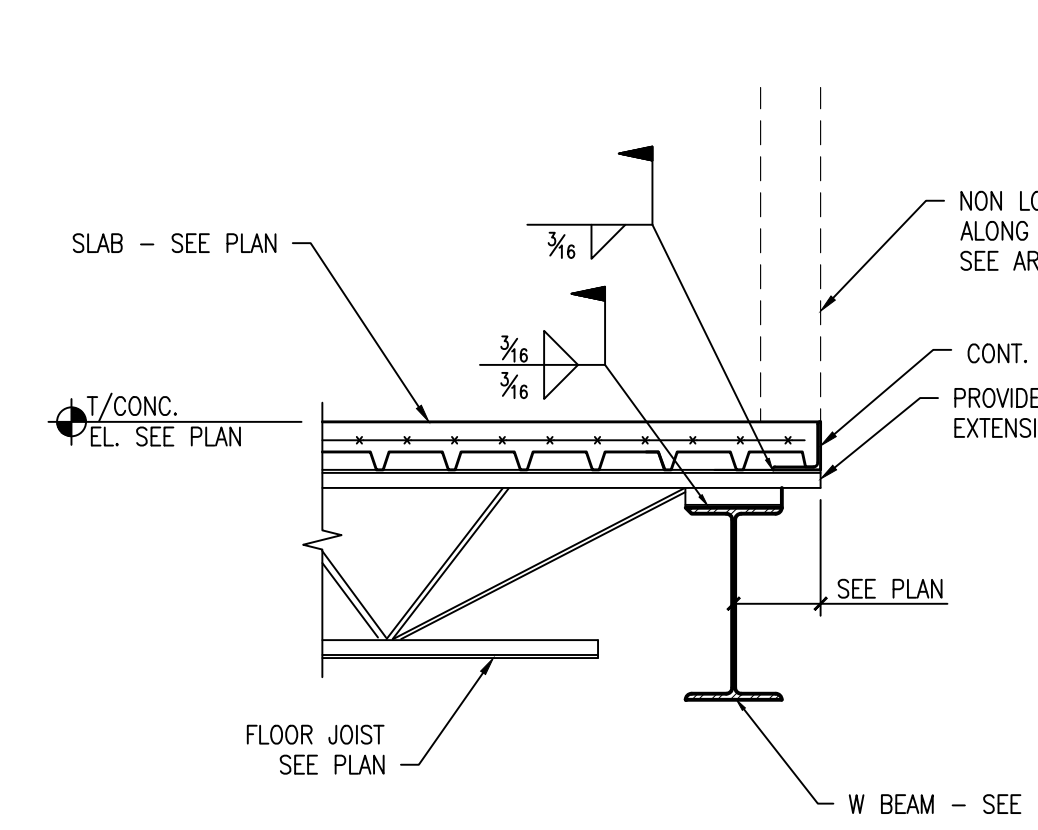
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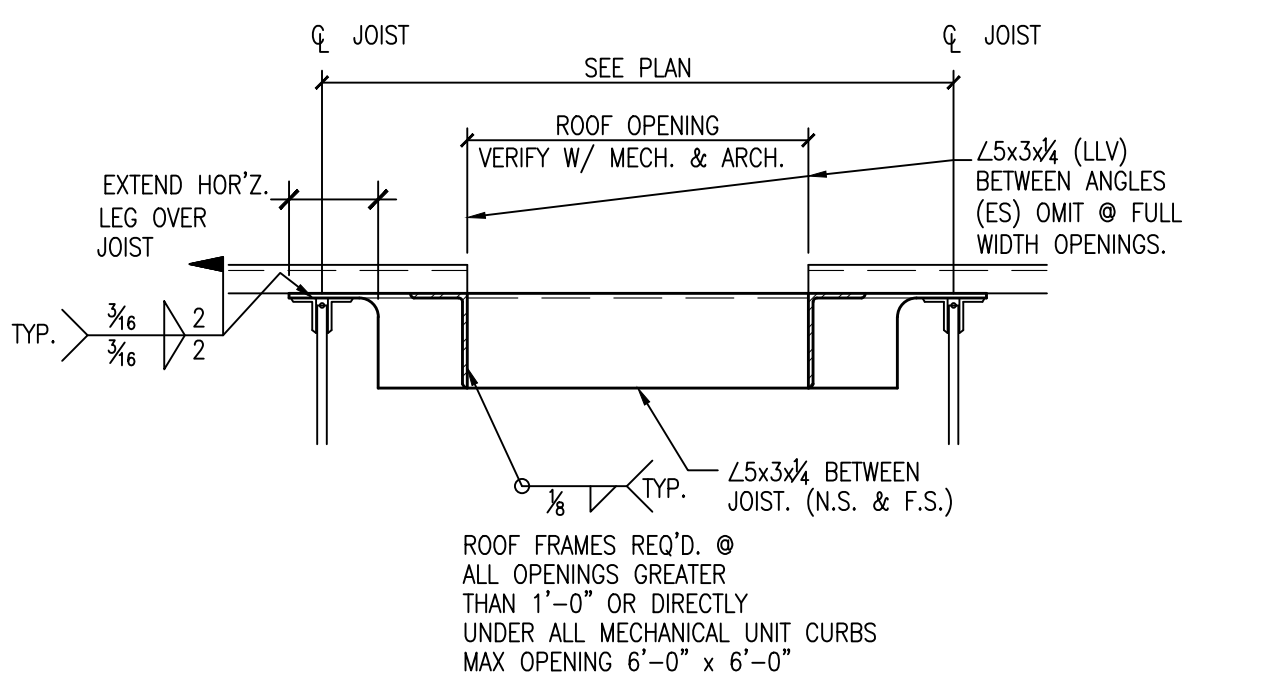
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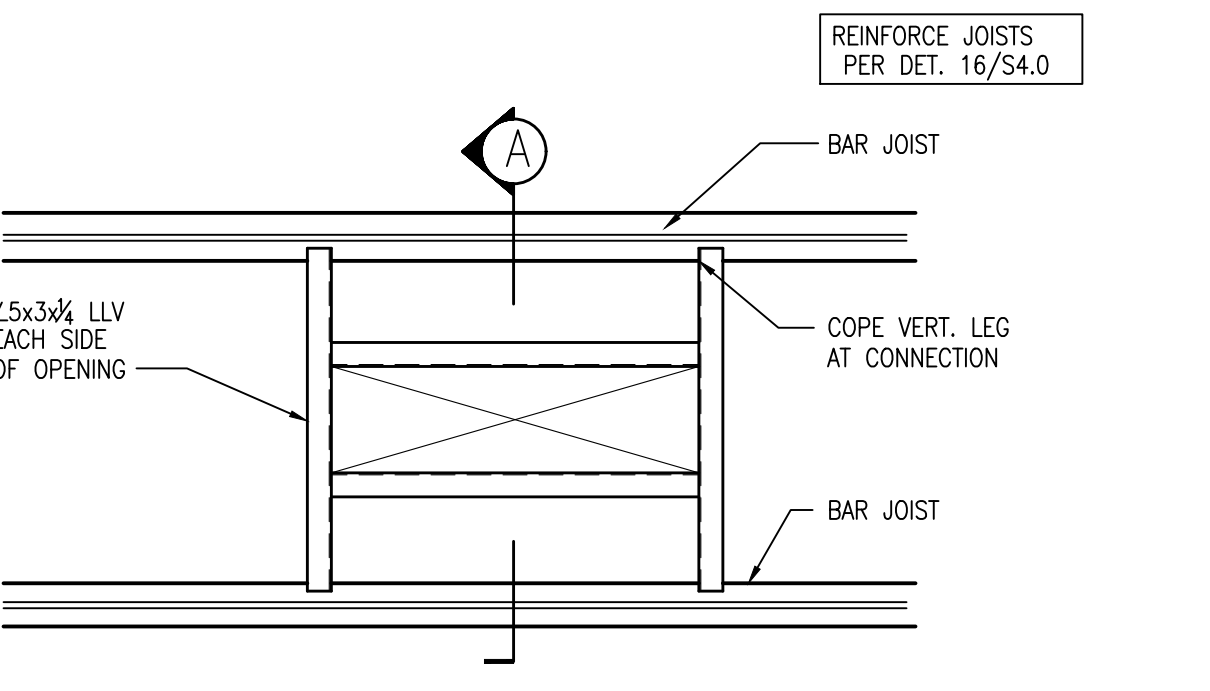
13 MASONRY PIER DETAIL  
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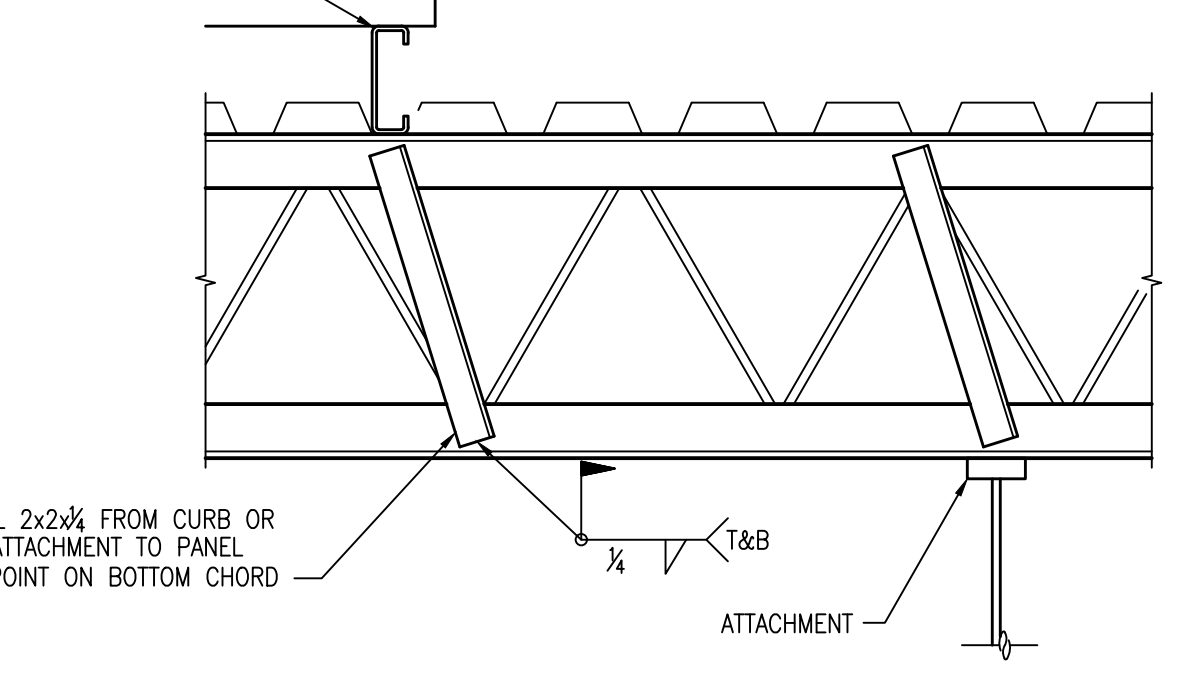
14 SECTION  
SCALE: 3/4"=1'-0"



15 TYPICAL ROOF OPENING DETAIL  
SCALE: 3/4"=1'-0"



16 TYPICAL CONCENTRATED LOAD DETAIL  
SCALE: 3/4"=1'-0"



17 PARTITION SUPPORT  
SCALE: 3/4"=1'-0"

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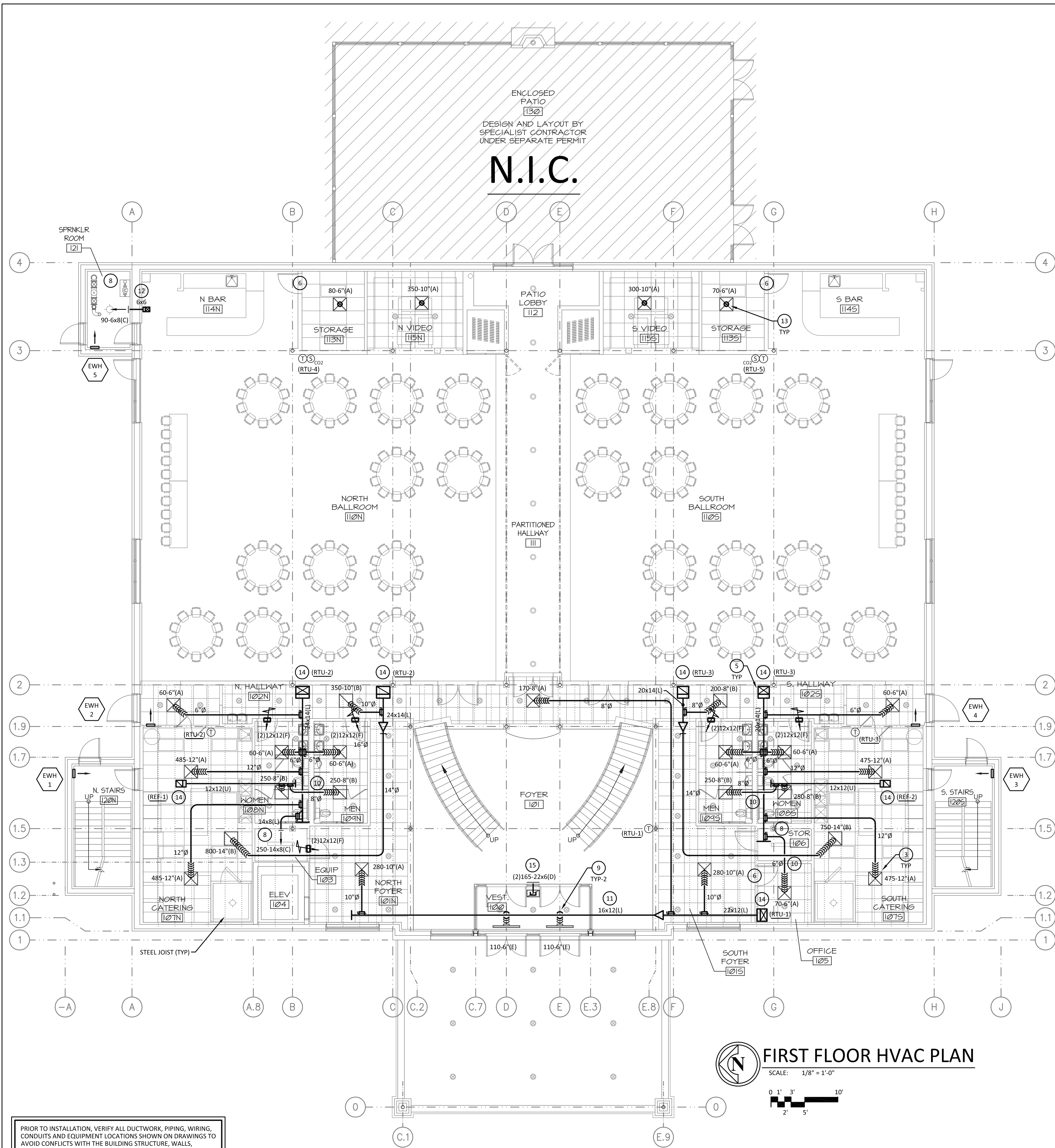
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PROPOSED  
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FOR: UNLIMITED MASONRY AND CONSTRUCTION, INC.

SHEET TITLE  
FRAMING DETAILS  
2428

S  
4.0



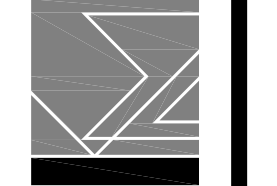
- ### PLAN NOTES
- 1 SEE DETAILS AND NOTES ON 'MS' SHEETS FOR ADDITIONAL INFORMATION.
  - 2 VERIFY ACCESS TO ALL EQUIPMENT.
  - 3 ALL TERMINATIONS TO CEILING MOUNTED DIFFUSERS TO BE MADE WITH A MAXIMUM OF 5' OF FLEXIBLE DUCTWORK. PROVIDE SPIN COLLAR AND/OR LOCKING TYPE DAMPER AT ALL FINAL BRANCH TAPS FOR ALL GRILLES AND DIFFUSERS. SEE DIVISION 23 (HVAC) NOTES.  
  
ALL TERMINATIONS TO EXPOSED CEILING GRILLES, REGISTERS AND DIFFUSERS TO BE MADE WITH HARD DUCT CONNECTIONS. PROVIDE SPIN COLLAR AND/OR LOCKING TYPE DAMPER AT ALL FINAL BRANCH TAPS. SEE DIVISION 23 (HVAC) NOTES.  
  
SEPARATE NEW BRANCH DUCT TAP LOCATIONS. MINIMUM CENTERLINE SEPARATION DISTANCE TO BE (2) EQUIVALENT DUCT MAIN DIAMETERS.
  - 4 TRANSITION FROM UNIT CONNECTION SIZE(S) TO PLAN SIZE AND TURN HORIZONTAL WITH RADIUS ELBOW(S) (TAPS ARE NOT ACCEPTABLE). (SEE DUCTWORK SYMBOLS LEGEND)
  - 5 ALL ELBOWS TO BE RADIUS TYPE - UNLESS NOTED OTHERWISE (SQUARE THROAT ELBOWS ARE NOT ACCEPTABLE). (SEE DUCTWORK SYMBOLS LEGEND)
  - 6 UNDERCUT DOOR 3/4".
  - 7 TYPICAL EXHAUST B-VENT THRU ROOF (SEE DETAIL #D-2-8A).
  - 8 EXPOSED CEILING AREA. ALL OTHER AREAS ARE GYPSUM OR LAY-IN AS SHOWN.
  - 9 SPIN COLLAR WITH DAMPER TAPPED OFF BOTTOM OF DUCT MAIN.
  - 10 RUN DUCT IN JOIST SPACE AND THROUGH JOISTS AS REQUIRED.
  - 11 DUCT TO BE INSTALLED IN SOFFIT. COORDINATE WITH ARCHITECT AND PLANS.
  - 12 "A" STYLE FIRE DAMPER BEHIND REGISTER (TYPICAL ALL FIRE RATED WALLS). SEE DIVISION 23 (HVAC) NOTES. SEE DETAIL #D-3-1.
  - 13 FLEX DUCT IN VERTICAL TO DIFFUSER CONNECTION.
  - 14 UP TO SECOND FLOOR.
  - 15 RETURN AIR TRANSFER. SEE DETAIL #D-1-10A.

**REVISIONS**

THIS DRAWING	NOT FOR COORDINATION	FOR BIDDING	FOR PERMIT	NOT FOR CONTRACTING	NOT FOR CONSTRUCTION
		10/11/24	10/11/24		

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 (647)945-6869

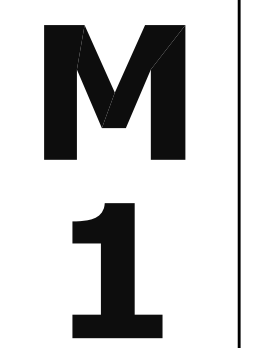
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**PROPOSED**  
**AVANT GARDENS - BANQUET HALL**  
 370 VETERANS PARKWAY, NEW LENOX, ILLINOIS  
 FOR: UNLIMITED MASONRY & CONSTRUCTION, INC.

SHEET TITLE  
 FIRST FLOOR HVAC PLAN

2428



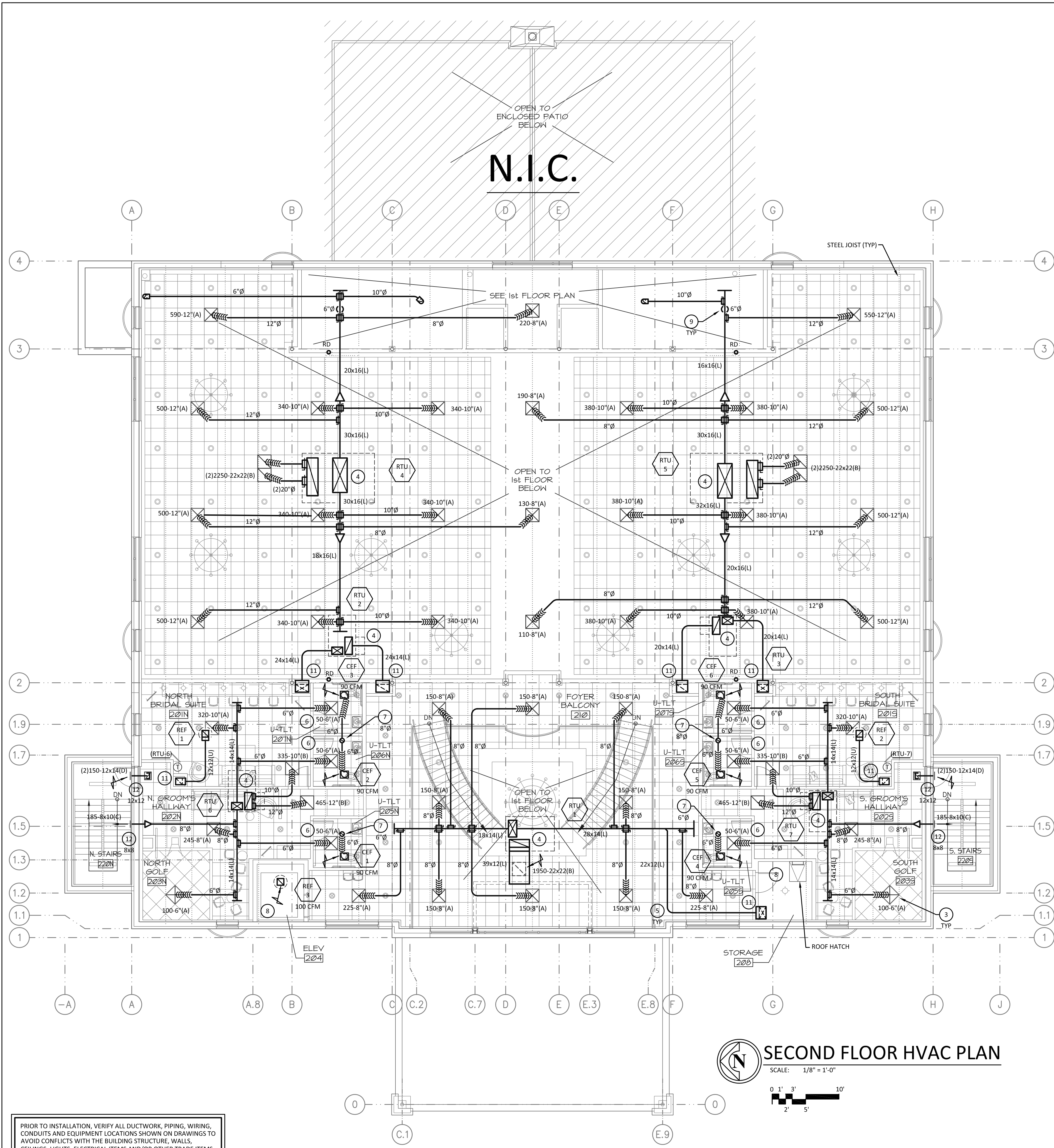
**NOT FOR CONSTRUCTION**  
 (FOR COORDINATION ONLY)  
 (IN PROGRESS)

PRIOR TO INSTALLATION, VERIFY ALL DUCTWORK, PIPING, WIRING, CONDUITS AND EQUIPMENT LOCATIONS SHOWN ON DRAWINGS TO AVOID CONFLICTS WITH THE BUILDING STRUCTURE, WALLS, CEILING, LIGHTS, ELECTRICAL ITEMS AND/OR OTHER TRADE ITEMS. NOTIFY DESIGN ENGINEER IN WRITING PRIOR TO ANY CHANGES.

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 www.unitedmep.com





- ### PLAN NOTES
- 1 SEE DETAILS AND NOTES ON 'MS' SHEETS FOR ADDITIONAL INFORMATION.
  - 2 VERIFY ACCESS TO ALL EQUIPMENT.
  - 3 ALL TERMINATIONS TO CEILING MOUNTED DIFFUSERS TO BE MADE WITH A MAXIMUM OF 5' OF FLEXIBLE DUCTWORK. PROVIDE SPIN COLLAR AND/OR LOCKING TYPE DAMPER AT ALL FINAL BRANCH TAPS FOR ALL GRILLES AND DIFFUSERS. SEE DIVISION 23 (HVAC) NOTES.  
ALL TERMINATIONS TO EXPOSED CEILING GRILLES, REGISTERS AND DIFFUSERS TO BE MADE WITH HARD DUCT CONNECTIONS. PROVIDE SPIN COLLAR AND/OR LOCKING TYPE DAMPER AT ALL FINAL BRANCH TAPS. SEE DIVISION 23 (HVAC) NOTES.  
SEPARATE NEW BRANCH DUCT TAP LOCATIONS. MINIMUM CENTERLINE SEPARATION DISTANCE TO BE (2) EQUIVALENT DUCT MAIN DIAMETERS.
  - 4 TRANSITION FROM UNIT CONNECTION SIZE(S) TO PLAN SIZE AND TURN HORIZONTAL WITH RADIUS ELBOW(S) (TAPS ARE NOT ACCEPTABLE). (SEE DUCTWORK SYMBOLS LEGEND)
  - 5 ALL ELBOWS TO BE RADIUS TYPE - UNLESS NOTED OTHERWISE (SQUARE THROAT ELBOWS ARE NOT ACCEPTABLE). (SEE DUCTWORK SYMBOLS LEGEND)
  - 6 UNDERCUT DOOR 3/4".
  - 7 TYPICAL EXHAUST B-VENT THRU ROOF (SEE DETAIL #D-2-8A).
  - 8 EXPOSED CEILING AREA. ALL OTHER AREAS ARE GYPSUM OR LAY-IN AS SHOWN.
  - 9 SPIN COLLAR WITH DAMPER TAPPED OFF BOTTOM OF DUCT MAIN.
  - 10 PROVIDE FIRE DAMPERS FOR ALL PENETRATIONS THRU FIRE RATED ASSEMBLIES, FLOORS, WALLS AND SHAFTS. SEE DIVISION 23 (HVAC) NOTES AND DETAILS. COORDINATE WITH ARCHITECTURAL PLANS.
  - 11 "B" STYLE FIRE DAMPER IN FLOOR (SEE DETAIL #D-3-7). COORDINATE ACCESS DOOR IN GYPSUM WALL. (CONTRACTOR TO VERIFY WITH VILLAGE IF FIRE DAMPERS ARE REQUIRED IN THE FLOOR ASSEMBLY.)  
VERIFY ALL DUCT SIZES THROUGH THE FLOOR. FOR ALL DUCT PENETRATIONS THROUGH FLOOR ASSEMBLIES, THE ANNULAR SPACE AROUND THE DUCT IS TO BE PROTECTED WITH AN APPROVED NONCOMBUSTIBLE MATERIAL THAT RESISTS THE FREE PASSAGE OF FLAME AND THE PRODUCTS OF COMBUSTION.
  - 12 "A" STYLE FIRE DAMPER BEHIND REGISTER (TYPICAL ALL FIRE RATED WALLS).  
SEE DIVISION 23 (HVAC) NOTES. SEE DETAIL #D-3-1.

REVISIONS	
THIS DRAWING	NOT FOR CONSTRUCTION
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FOR PERMIT	FOR CONSTRUCTION
10/11/24	10/11/24

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 FAX (847) 945-0284

**PROPOSED**  
**AVANT GARDENS - BANQUET HALL**  
**370 VETERANS PARKWAY, NEW LENOX, ILLINOIS**  
**FOR: UNLIMITED MASONRY & CONSTRUCTION, INC.**

SHEET TITLE  
 SECOND FLOOR HVAC PLAN  
 2428

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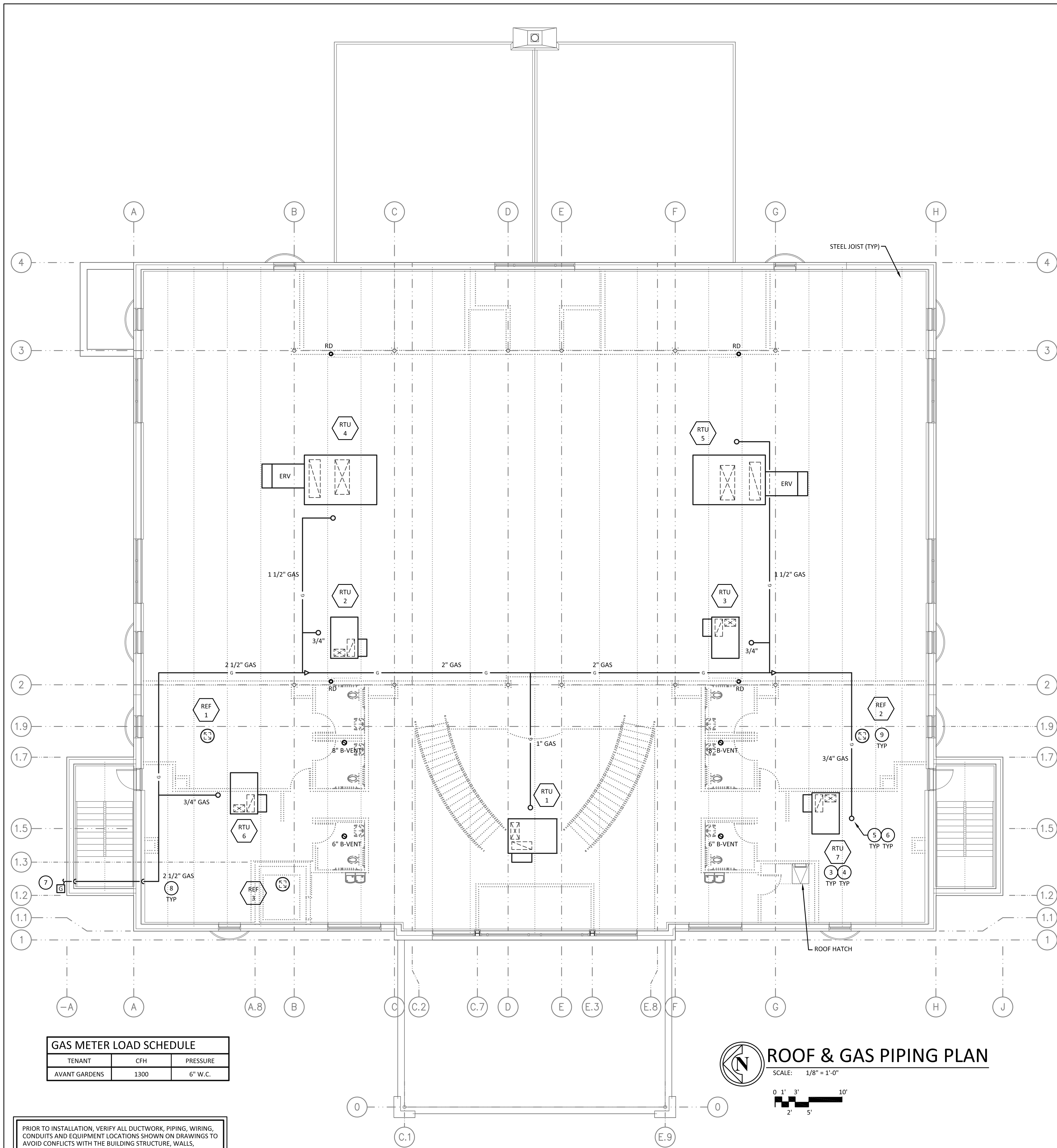
**SECOND FLOOR HVAC PLAN**  
 SCALE: 1/8" = 1'-0"

PRIOR TO INSTALLATION, VERIFY ALL DUCTWORK, PIPING, WIRING, CONDUITS AND EQUIPMENT LOCATIONS SHOWN ON DRAWINGS TO AVOID CONFLICTS WITH THE BUILDING STRUCTURE, WALLS, CEILING, LIGHTS, ELECTRICAL ITEMS AND/OR OTHER TRADE ITEMS. NOTIFY DESIGN ENGINEER IN WRITING PRIOR TO ANY CHANGES.

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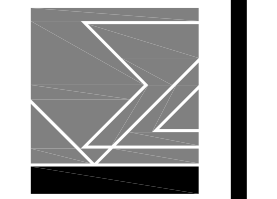
- ### PLAN NOTES
- 1 SEE DETAILS AND NOTES ON 'MS' SHEETS FOR ADDITIONAL INFORMATION.
  - 2 VERIFY ACCESS TO ALL EQUIPMENT.
  - 3 TYPICAL EQUIPMENT MOUNTED ON CURB. SEE ROOF CURB DETAIL #D-1-11A.
  - 4 REPLACE ALL ROOFTOP FILTERS PRIOR TO JOB COMPLETION.
  - 5 TYPICAL NEW PIPE UP THRU ROOF TO EQUIPMENT. SEE ALUMI-FLASH PIPE PORTAL DETAIL #G-1.
  - 6 SEE GAS PIPING TRIM DETAIL #G-5.
  - 7 GAS METER(S) LOCATION. COORDINATE REQUIRED METER SIZE(S) AND LOCATION WITH GAS COMPANY FOR NEW LOAD. SEE GAS METER LOAD SCHEDULE.
  - 8 RUN GAS PIPING BELOW ROOF. GAS PIPING TO BE INSTALLED ABOVE BOTTOM OF JOISTS WHEN POSSIBLE.
  - 9 TYPICAL ROOF MOUNTED EXHAUST FAN. SEE DETAIL #D-2-1.

#### REVISIONS

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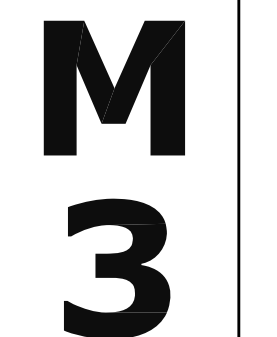
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**370 VETERANS PARKWAY, NEW LENOX, ILLINOIS**  
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SHEET TITLE  
 ROOF & GAS PIPING PLAN

2428



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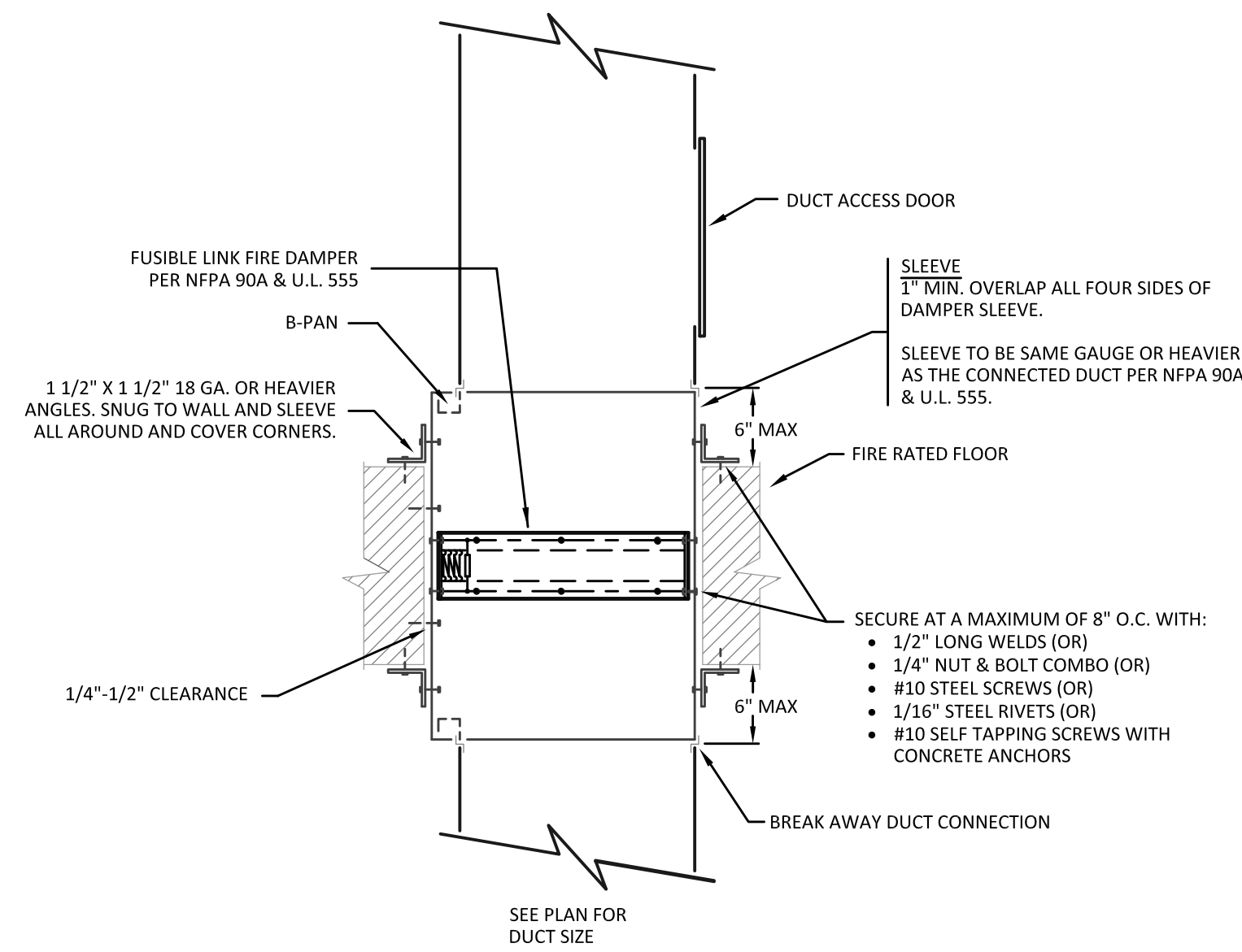
GAS METER LOAD SCHEDULE		
TENANT	CFH	PRESSURE
AVANT GARDENS	1300	6" W.C.

**ROOF & GAS PIPING PLAN**  
 SCALE: 1/8" = 1'-0"

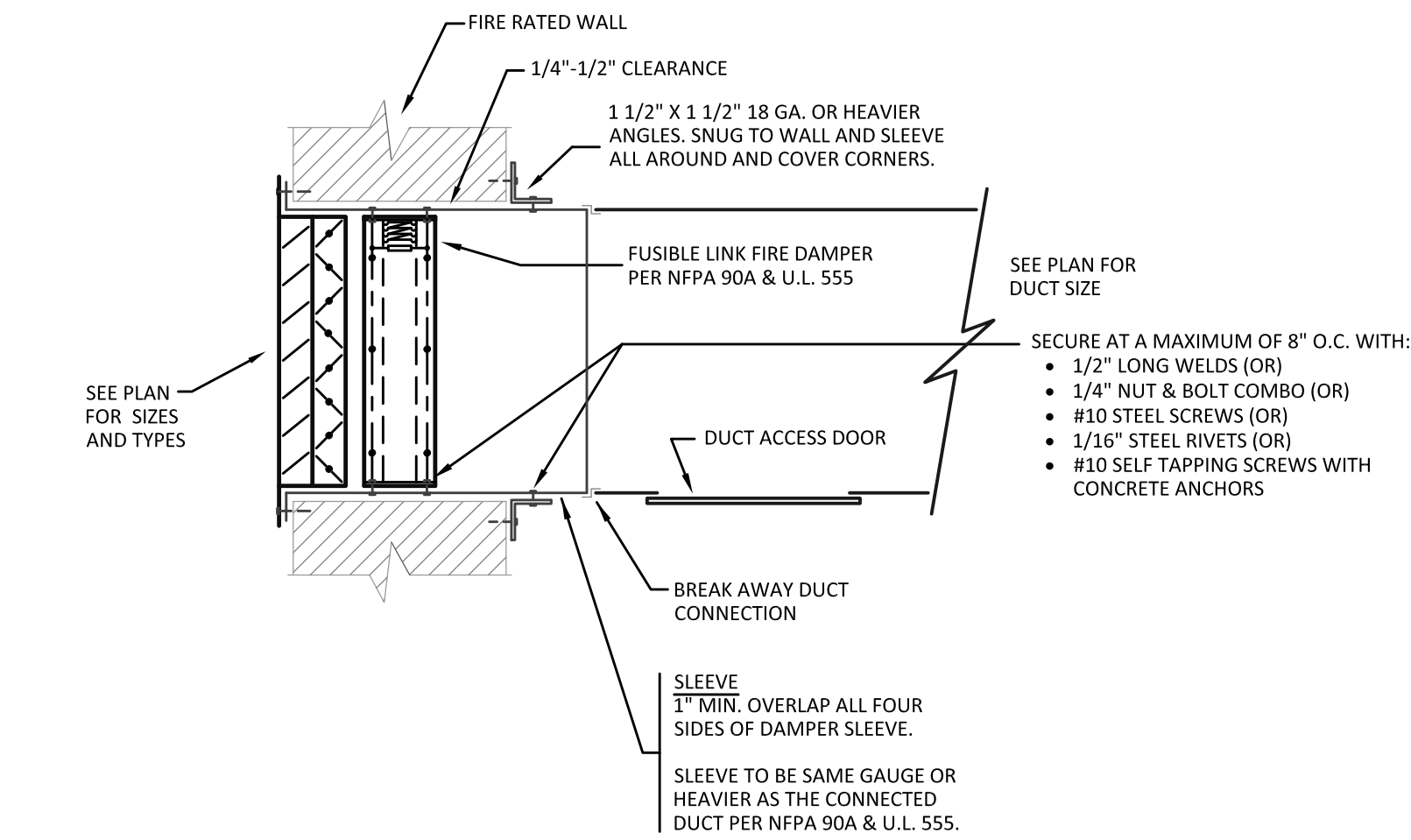
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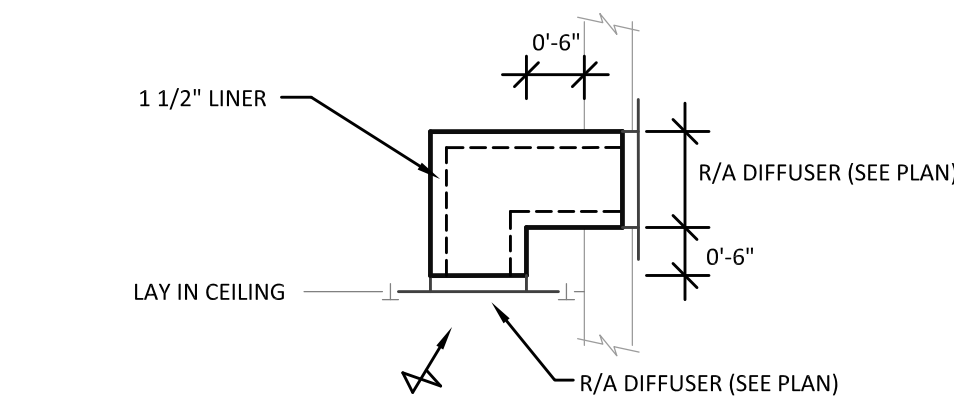
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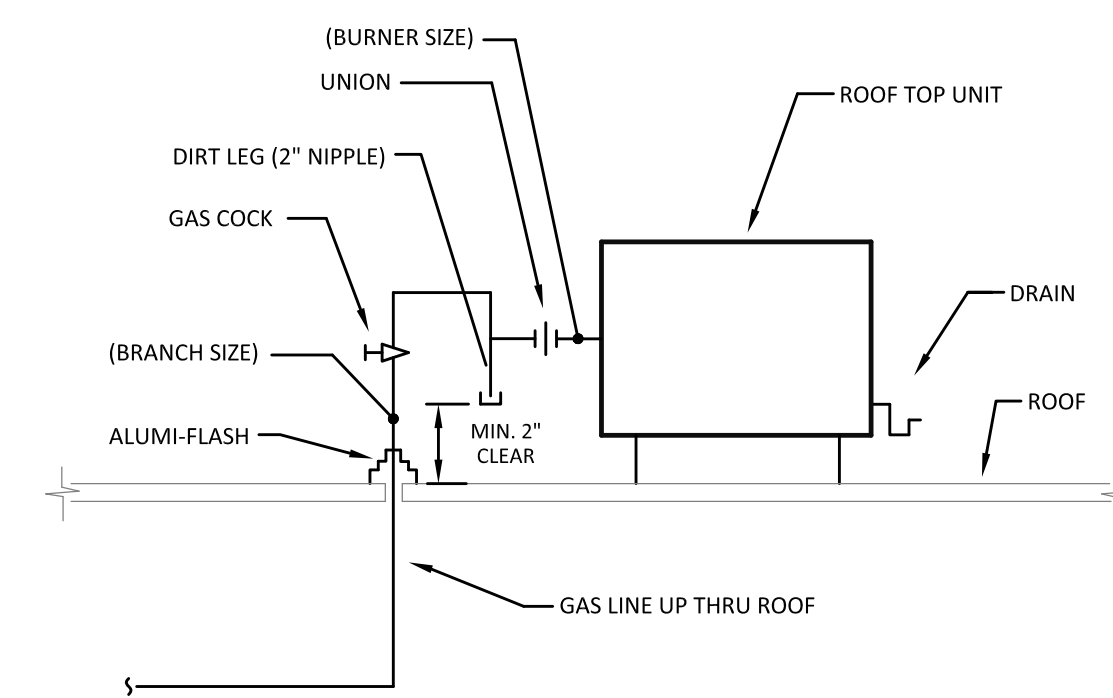
**TYPE "B" FIRE DAMPER DETAIL IN FLOOR**  
NO SCALE #D-3-7



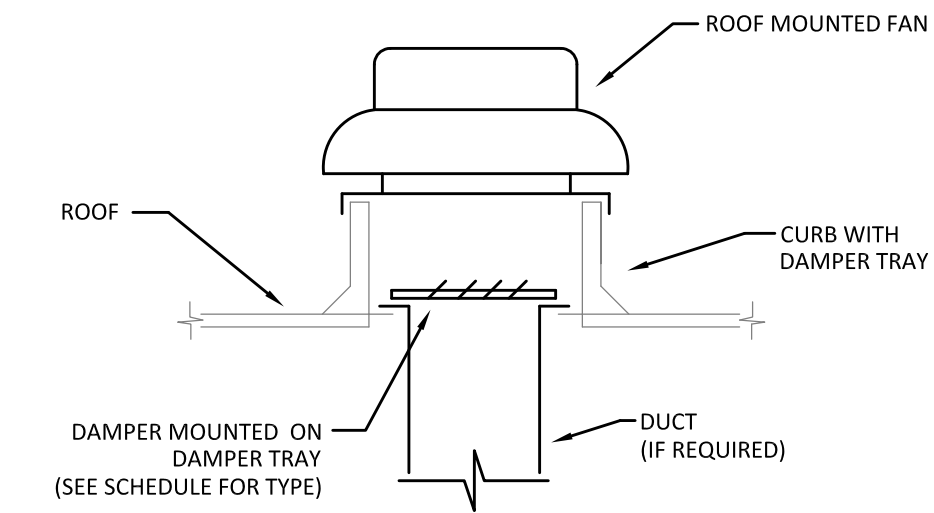
**REGISTER WITH TYPE "A" FIRE DAMPER DETAIL**  
NO SCALE #D-3-1



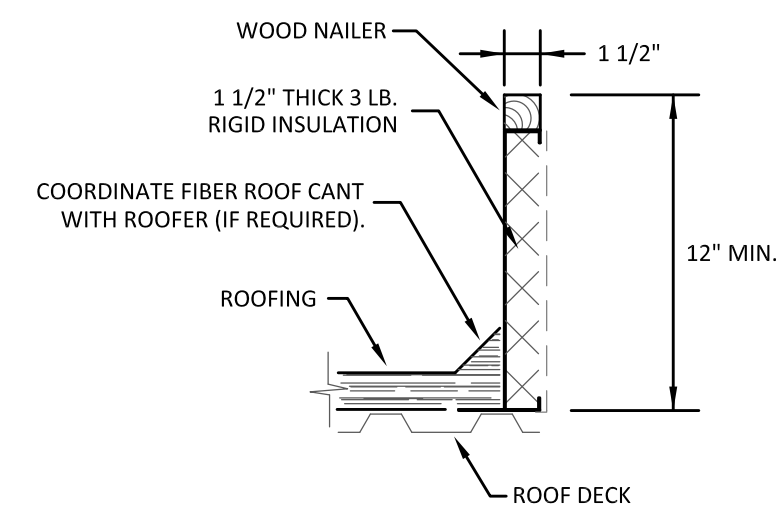
**RETURN AIR TRANSFER DETAIL**  
NO SCALE #D-1-10A



**ROOF TOP GAS PIPING TRIM DETAIL**  
(LOW PRESSURE) GAS PIPE INSIDE #G-5

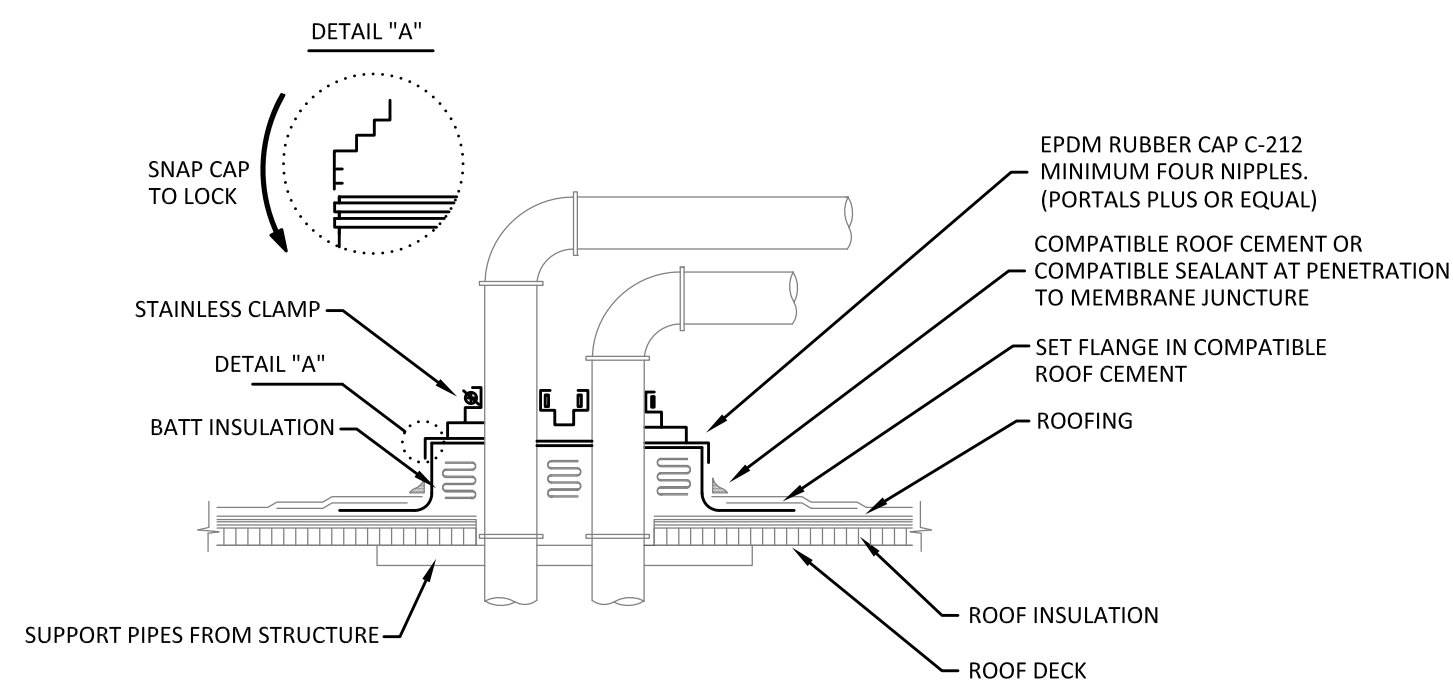


**ROOF MOUNTED EXHAUST FAN DETAIL**  
NO SCALE #D-2-1

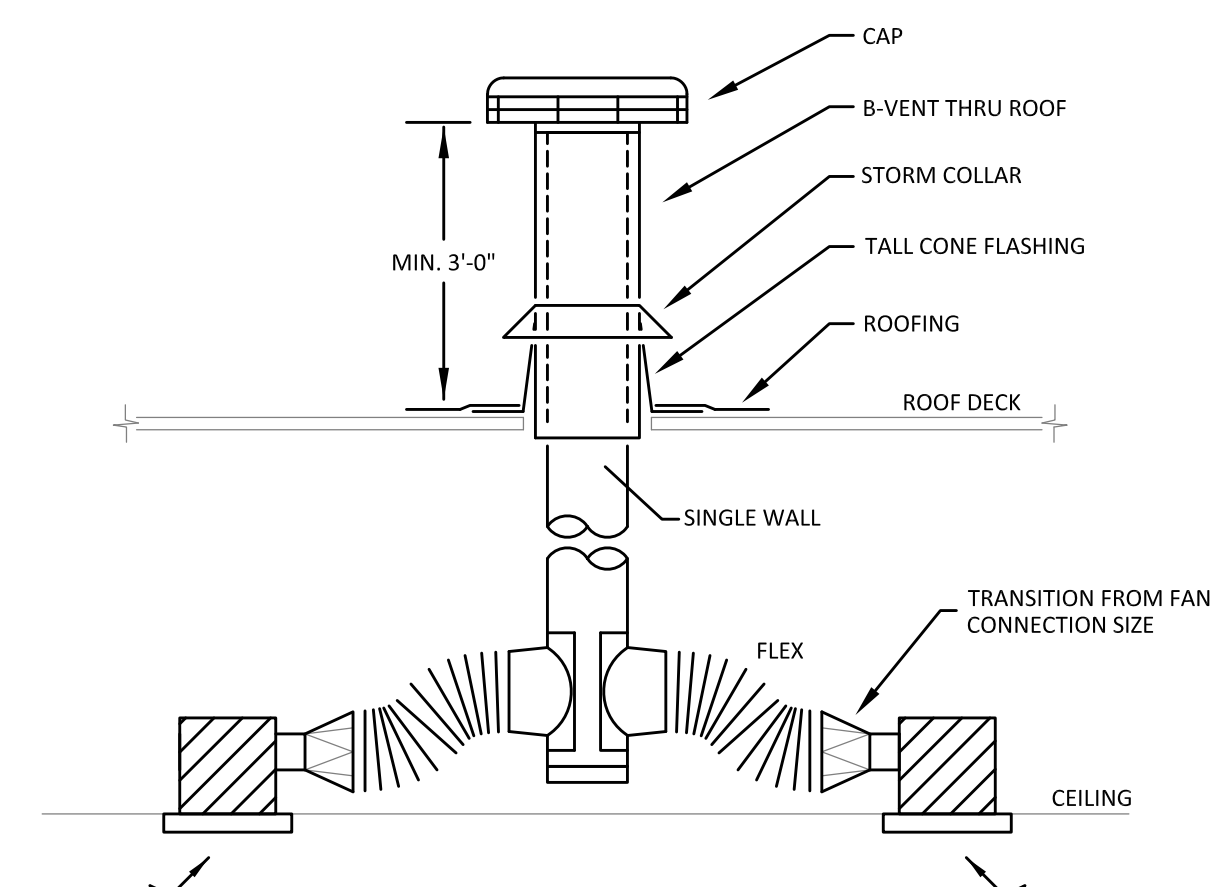


- RPS CORPORATION, MODEL: RC-2 OR EQUAL  
 \* 18 GAUGE GALVANIZED STEEL  
 \* WOOD NAILER  
 \* UNITIZED CONSTRUCTION  
 \* SLOPED CURB AS REQUIRED FOR ROOF PITCH  
 \* INTERIOR LINING  
 \* DAMPER SHELF (IF REQUIRED)

**ROOF CURB DETAIL**  
NO SCALE #D-1-11A



**ALUMI-FLASH PIPE PORTAL DETAIL**  
NO SCALE #G-1



**CEILING EXHAUST FAN DETAIL**  
NO SCALE (SIMILAR FOR SINGLE FAN) #D-2-8A

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**PROPOSED**  
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**370 VETERANS PARKWAY, NEW LENOX, ILLINOIS**  
**FOR: UNLIMITED MASONRY & CONSTRUCTION, INC.**

SHEET TITLE  
MECHANICAL DETAILS  
**2428**

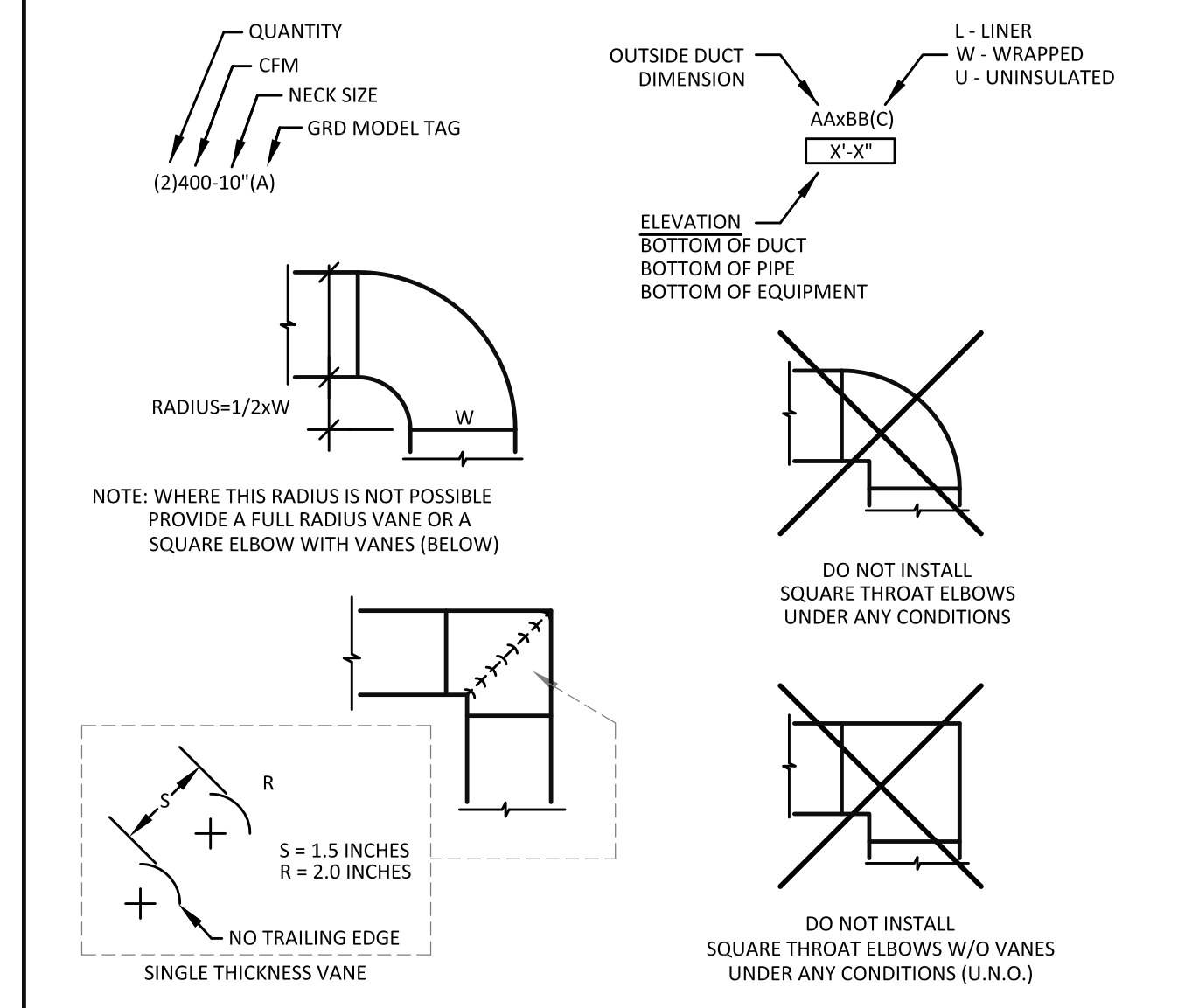
**MS**  
**1**

### STANDARD SYMBOLS LEGEND

	EQUIPMENT TAG		POINT OF NEW CONNECTION
	REVISION TAG		PHOTO VIEW POINT
	COLUMN LINE TAG		SECTION/DETAIL IDENTIFIER
N.I.C.	NOT IN CONTRACT		SHEET LOCATION
			SECTION CUT
			UNLESS NOTED OTHERWISE

### DUCTWORK SYMBOLS LEGEND

	S/A DIFFUSER	(EX)	- EXISTING
	R/A DIFFUSER	BV	- B-VENT
	SLOT DIFFUSER	PV	- PLUMBING VENT
	FLEXIBLE DUCT	RD	- ROOF DRAIN
	SPIN COLLAR	MOD	- MOTOR OPERATED DAMPER
	THERMOSTAT	MVD	- MANUAL VOLUME DAMPER
	REMOTE SENSOR	FD	- FIRE DAMPER
	VEHICLE EXHAUST SENSOR	OBD	- OPPOSED BLADE DAMPER
	HUMIDISTAT	PBD	- PARALLEL BLADE DAMPER
	CONTROL CABINET	BDD	- BACK DRAFT DAMPER
		SP	- STATIC PRESSURE SENSOR
		SD	- SMOKE DETECTOR
		SC	- SPEED CONTROLLER
		CS	- CARBON DIOXIDE SENSOR



### ROOFTOP UNIT SCHEDULE

TAG	RTU-1	RTU-2	RTU-3	RTU-4,5	RTU-6	RTU-7
LOCATION SERVED	FOYER	1ST FL. NORTH	1ST FL. SOUTH	BALLROOMS	2ND FL. NORTH	2ND FL. SOUTH
MANUFACTURER	YORK	YORK	YORK	YORK	YORK	YORK
MODEL	KYG09D2	KQG05D2	KQG05D2	KV15T3	KQG04D2	KQG04D2
CAPACITY TONS (NOMINAL)	8.5	4	4	15	3	3
COOLING ENERGY EFFICIENCY	12 EER	14 SEER	14 SEER	10.9 EER	14 SEER	14 SEER
REFRIGERANT TYPE	R-454B	R-454B	R-454B	R-454B	R-454B	R-454B
SUPPLY FAN DATA	CFM	2,600	1,400	2,000	1,000	1,000
ESP (DUCT ONLY)	1	1	1	1	0.75	0.75
RPM	849	1244	1214	863	1047	1047
BHP	1.5	0.86	0.74	2.35	0.5	0.5
MBH	103	50.5	48.5	176	36.5	36.5
COOLING COIL DATA	EAT (DB/WB)	81/67	80/66.5	80/67	78.5/65.5	80.5/67.5
COIL LAT (DB/WB)	54.5/53.5	55.5/54	54.5/53.5	55/53.5	56.5/55	56.5/55
HEATING DATA	STAGES	2	1	1	2	1
INPUT (MBH) (MAX)	125	70	70	400	70	70
OUTPUT (MBH) (MAX)	100	56	56	324	56	56
STAGES	2	1	1	MODULATING	1	1
TYPE	-	-	-	PIVOT WHEEL	-	-
ERV DATA	RETURN AIR CFM	-	-	4500	-	-
EXHAUST AIR CFM	-	-	-	2300	-	-
OUTDOOR AIR CFM	-	-	-	2800	-	-
COOL'G	MBH (REDUCTION)	-	-	73	-	-
RA (DB/WB)	-	-	-	75/62.5	-	-
OA (DB/WB)	-	-	-	92/77.5	-	-
HEAT'G	MBH (REDUCTION)	-	-	196	-	-
RA (DB)	-	-	-	72	-	-
OA (DB)	-	-	-	-10	-	-
ELECTRICAL DATA	MCA / MOCPC	42/50	22/30	74/90	22/30	22/30
VOLT	208	208	208	208	208	208
PHASE	3	3	3	3	3	3
OUTDOOR AIR (CFM)	650	250	250	2,800	200	200
UNIT WEIGHT (LBS)	1,300	750	750	2,600	700	700
REMARKS / ACCESSORIES	1-10,11,12	1-10	1-10	1-10,11-17	1-10	1-10

- NEW WITH FACTORY START UP
- CURB
- DRIVE (BELT)
- DRY BULB ECONOMIZER W/BAROMETRIC RELIEF (ENTHALPY FOR RTU-4 & 5)
- FDD ('ECONOMIZER' FAULT DETECTION & DIAGNOSTICS)
- OEM PROGRAMMABLE THERMOSTAT (VENSTAR T4900 OR EQUAL)
- THROWAWAY FILTERS (2")
- UNIT, ECONOMIZER AND THERMOSTAT MUST MEET ALL 2021 INTERNATIONAL ENERGY CONSERVATION CODE REQUIREMENTS
- DISCONNECT SWITCH
- NON-POWERED CONVENIENCE OUTLET (SEPARATELY WIRED)
- STAGED AIR VOLUME (INTELLISPEED)
- RETURN AIR SMOKE DETECTOR W/ MONITORING DEVICE AND REMOTE TEST STATION
- ENERGY RECOVERY VENTILATOR WHEEL WITH CHOICE ROOFTOP CABINET, LOW AMBIENT KIT, MOTORIZED OUTSIDE AIR (14.75 MCA, 15 MOCPC, 230V, 3P (DUAL POINT), 950 LBS.)
- ERV EQUIPMENT SUPPORT
- MODULATING GAS HEAT
- RETURN AIR DUCT MOUNTED HUMIDISTAT FOR HUMIDITY CONTROL HOT GAS REHEAT
- CO2 SENSOR (WALL MOUNT)

### FAN SCHEDULE

TAG	REF-1,2	REF-3	CEF-1-6
LOCATION SERVING	TOILETS	ELEVATOR	TOILETS
MANUFACTURER	COOK	COOK	COOK
MODEL	ACED-VF-101	ACED-VF-70	GC-148
TYPE	EXHAUST	EXHAUST	CEILING EXHAUST
CFM	500	100	90
ESP (DUCT ONLY)	0.625	0.25	0.375
FAN RPM	1552	1430	1075
HP	1/3	1/20	45 WATTS
VOLT	120	120	120
PHASE	1	1	1
UNIT WEIGHT (LBS)	100	75	15
REMARKS / ACCESSORIES	1-5	1-5	1,3,4

- NEW
- CURB (SEE DETAIL)
- GRAVITY BACK DRAFT DAMPER
- SPEED CONTROLLER (MOUNTED ON FAN)
- DISCONNECT

### WORK ITEM SCHEDULE

ITEM	PROVIDED BY	INSTALLED BY	WIRED BY	COMMENT
ELECTRICAL DISCONNECTS	NOTE (1)	EC	EC	
HVAC EQUIPMENT SERVICE OUTLETS	NOTE (1)	EC	EC	
DUCT OR UNIT MOUNTED SENSORS (SMOKE DETECTORS & SAMPLING TUBES)	NOTE (3)	MC	MC	i.e. CO2, STATIC PRESS, TEMP, HUMIDITY
REMOTE TEST STATION	NOTE (1)	MC	EC	
REMOTE ROOM SENSORS / CONTROL PANELS	NOTE (3)	MC	MC	i.e. CO2, STATIC PRESS, TEMP, HUMIDITY
OCCUPANCY SENSORS (FOR EQUIPMENT)	NOTE (1)	EC	EC	
COMMUNICATION CARDS	NOTE (3)	MC	MC	
EC - ELECTRICAL CONTRACTOR				
CC - MECHANICAL CONTRACTOR				
MC - MECHANICAL CONTRACTOR				

NOTES:  
(1) PROVIDED BY EC UNLESS PROVIDED WITH EQUIPMENT. CHECK SCHEDULES ON BOTH M & E SHEETS.  
(2) PROVIDED BY CC UNLESS PROVIDED WITH EQUIPMENT. CHECK SCHEDULES ON BOTH M & E SHEETS.  
(3) PROVIDED BY MC UNLESS PROVIDED WITH EQUIPMENT. CHECK SCHEDULES ON BOTH M & E SHEETS.

### ELECTRIC HEAT EQUIPMENT SCHEDULE

TAG	EW H-1-5
LOCATION SERVING	
MANUFACTURER	QMARK
MODEL	CWH 3000 SERIES
TYPE	WALL HEATER
CFM	100
SIZE	-
kW	5
VOLT	208
PHASE	3
(OPERATING) UNIT WEIGHT (LBS)	30
REMARKS / ACCESSORIES	1-3

- NEW
- BUILT IN THERMOSTAT
- COORDINATE MOUNTING TYPE IN FIELD

### GRILLE, REGISTER AND DIFFUSER SCHEDULE-TITUS

TAG	A	B	C	D	E	F
MANUFACTURER	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS
MODEL	TMS	PAR	300RS	350RL	TBDI-80	T700L (STEEL)
TYPE	S/A DIFFUSER	R/A, E/A DIFFUSER	REGISTER	GRILLE	S/A SLOT DIFFUSER	DOOR GRILLE
NECK SIZE	SEE PLAN	SEE PLAN	SEE PLAN	SEE PLAN	SEE PLAN	SEE PLAN
MOUNTING TYPE	LAY IN	LAY IN	SURFACE	SURFACE	LAY IN	SURFACE
DAMPER			OPD			
REMARKS / ACCESSORIES	1	1	1	1	1,2,3	1,4

- VERIFY COLOR WITH ARCHITECT
- ADJUST DIFFUSER BLADES TO WASH WINDOW/WALL
- (2) 1" SLOT, 4" LONG
- GRILLE WITH BORDER ON BOTH SIDES OF DOOR

### DIVISION 23 (HVAC)

- 1) GENERAL:**
- JOB SPECIFICATIONS ARE AS FOLLOWS:
  - CODE - CONTRACTOR TO LOCATE, REVIEW AND COMPLY WITH ALL LOCAL, STATE AND/OR NATIONAL CODES. CONTRACTOR TO SPECIFICALLY LOCATE, REVIEW AND COMPLY WITH ALL LOCAL CODE AMENDMENTS.
  - WORKMANSHIP/WARRANTY - CONTRACTOR IS RESPONSIBLE FOR ALL MEANS, MATERIALS, METHODS, TECHNIQUES, SEQUENCES AND DETAILS TO PERFORM ITS WORK. ALL MATERIALS, EQUIPMENT AND WORKMANSHIP, SHALL BE GUARANTEED FOR A MINIMUM OF ONE (1) YEAR FROM THE DATE THE EQUIPMENT/SYSTEMS ARE PLACED INTO OPERATION AND ACCEPTED BY THE OWNER. WARRANTY TO INCLUDE LABOR & MATERIALS REQUIRED FOR WARRANTY ISSUES.
  - EQUIPMENT MANUFACTURER INSTRUCTIONS - CONTRACTOR TO FOLLOW EQUIPMENT MANUFACTURER'S INSTALLATION, OPERATION AND MAINTENANCE (IOM) MANUALS FOR ALL NEW EQUIPMENT. EQUIPMENT MANUFACTURER'S IOM INSTRUCTIONS SUPERSEDE ANY CONFLICTS WITH THESE DRAWINGS.
  - SCHEDULED EQUIPMENT - CONTRACTOR PRICING TO BE BASED ON THE SCHEDULED EQUIPMENT. SUBSTITUTIONS TO BE SUBMITTED AS DEDUCTS (OR ADDS) TO THE BASE CONTRACT ALONG WITH A DESCRIPTION OF THE DIFFERENCES. ALL SUBSTITUTIONS WILL REQUIRE THE CONTRACTOR TO SUBMIT REVISED DIGITAL SHOP DRAWINGS (IN AUTOCAD FORMAT) FOR REVIEW PRIOR TO INSTALLATION. THE REVISED DRAWINGS TO INCLUDE (BUT ARE NOT LIMITED TO) THE REVISED EQUIPMENT SPECIFICATION SCHEDULES, LOCATIONS, WEIGHTS, DUCTWORK, PIPING, WIRING, BREAKERS (ETC.). THE REVISED DRAWINGS TO SHOW THE ENTIRE SYSTEM AS THE SYSTEM WILL BE INSTALLED BY THE CONTRACTOR.
  - SUBMITTALS - CONTRACTOR TO COORDINATE SUBMITTAL SCHEDULE WITH OWNER IMMEDIATELY AFTER ACCEPTANCE OF CONTRACT, AS SOON AS POSSIBLE BEFORE CONSTRUCTION. CONTRACTOR TO EMAIL NEW EQUIPMENT, FIXTURES AND/OR SHOP DRAWING SUBMITTALS (INCLUDING ALL ACCESSORIES). NO NEW EQUIPMENT, FIXTURES AND/OR SHOP DRAWING ITEMS ARE TO BE INSTALLED UNTIL SUBMITTED INFORMATION IS APPROVED.
  - SHOP DRAWINGS - BEFORE INSTALLATION, PROVIDE 1/4" SCALE 'SHOP DRAWINGS' FOR COORDINATION AND APPROVAL. 'SHOP DRAWINGS' TO SHOW DIMENSIONS, ELEVATIONS AND LOCATIONS OF ALL EQUIPMENT, DUCTWORK, PIPING, WIRING AND CONDUIT. INSTALLATION TO START ONLY AFTER WRITTEN APPROVAL FROM ENGINEER. ALL CONTRACTOR PROVIDED DRAWINGS TO BE MADE WITH 'AUTO CAD' DRAFTING SOFTWARE AND SUBMITTED IN BOTH AUTOCAD AND ADOBE DIGITAL FORMAT. [NOTE - DESIGN DRAWINGS, NOTES AND/OR ADDENDUMS ARE NOT TO BE COPIED OR REPRODUCED IN ANY WAY FOR USE AS CONTRACTOR SUBMITTED DRAWINGS.] PROVIDE (4) PAPER HARD COPIES OF SHOP DRAWINGS.
  - AS BUILT DRAWINGS - UPON COMPLETION OF THE INSTALLATION WORK, PROVIDE 'AS BUILT' CHANGES CLEARLY SHOWING THE FINAL DIMENSIONS, ELEVATIONS AND LOCATIONS OF ALL EQUIPMENT, DUCTWORK, PIPING, WIRING AND CONDUIT. ALL AS BUILT DRAWING CHANGES TO BE MADE WITH 'AUTO CAD' DRAFTING SOFTWARE AND SUBMITTED IN BOTH AUTOCAD AND ADOBE DIGITAL FORMAT. [NOTE - DESIGN DRAWINGS, NOTES AND/OR ADDENDUMS ARE NOT TO BE COPIED OR REPRODUCED IN ANY WAY FOR USE AS CONTRACTOR SUBMITTED DRAWINGS.]
  - POST CONSTRUCTION DOCUMENTS - CONTRACTOR TO EMAIL A MICROSOFT WINDOWS FORMAT FOLDER INCLUDING ALL REQUIRED PROJECT CLOSE-OUT DOCUMENTS. THE WINDOWS FORMAT FOLDER TO INCLUDE SUB-FOLDERS AND TO BE LABELED AS PER BELOW. [ALSO PROVIDE (3) EXACT PRINTED COPIES IN SEPARATE HARD BINDERS.]
  - TRADE NAME
  - WARRANTY - WARRANTY LETTER INCLUDING THE AGREED UPON START DATE
  - EQUIPMENT - COMPLETE LIST OF MODEL NUMBERS AND SERIAL NUMBERS FOR EACH PIECE OF EQUIPMENT
  - IOM - INSTALLATION, OPERATION AND/OR MAINTENANCE (IOM) MANUALS. INCLUDE PARTS LIST FOR EACH PIECE OF EQUIPMENT
  - VENDERS LIST - LIST OF CONTACT INFORMATION INCLUDING CONTACT NAME, PHONE NUMBER AND EMAIL ADDRESS FOR EQUIPMENT.
  - AS BUILT DRAWING - AS BUILT DRAWING INCLUDING FINAL LOCATION FOR EACH PIECE OF EQUIPMENT
  - TEST & BALANCE REPORT - REPORT OF ALL FINAL TESTS AND BALANCED AIR AND WATER SYSTEMS INFORMATION.
  - ACCESS DOORS - CONTRACTOR TO FURNISH AND INSTALL ACCESS DOORS AS REQUIRED. EACH TRADE TO COORDINATE WITH CARPENTRY CONTRACTOR THE LOCATION OF ACCESS DOORS IN ALL CEILING, SOFFITS AND WALLS FOR ACCESS TO EQUIPMENT, VALVES, DAMPERS, FIRE DAMPERS, CLEAN OUTS, SWITCHES, CONTROLS, ETC.
  - STRUCTURE PROTECTION - THE BUILDING OR STRUCTURE SHALL NOT BE WEAKENED BY THE INSTALLATION OF ANY NEW SYSTEMS. WHERE FLOORS, WALLS, CEILING OR ANY OTHER PORTION OF THE BUILDING OR STRUCTURE ARE REQUIRED TO BE ALTERED OR REPLACED IN THE PROCESS OF INSTALLING OR REPAIRING ANY SYSTEM, THE BUILDING OR STRUCTURE SHALL BE LEFT IN A SAFE STRUCTURAL CONDITION IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR NATIONAL CODES.
  - FIRE RESISTANT ASSEMBLIES - PENETRATIONS OF WALL/FLOOR/CEILING ASSEMBLIES AND ASSEMBLIES REQUIRED TO HAVE A FIRE-RESISTANCE RATING SHALL BE PROTECTED IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR NATIONAL CODES.
  - ACCESSIBILITY - MANUAL ACCESSIBLE ITEMS IN OCCUPIED SPACES (SUCH AS CONTROLS, THERMOSTATS, SWITCHES AND ELECTRICAL OUTLETS) TO BE LOCATED NO HIGHER THAN 48" AND NO LOWER THAN 15" PER THE AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS. VERIFY LOCAL ACCESSIBILITY CODE REQUIREMENTS OVER AND ABOVE THE ADA REQUIREMENTS. COORDINATE FINAL MOUNTING HEIGHTS WITH OWNER.
- 2) GENERAL HVAC CONDITIONS:**
- FOR TYPICAL HVAC SYSTEMS, SEE THE NOTES BELOW.
  - KEEP OUTSIDE AIR INTAKES A MINIMUM OF 10'-0" AWAY FROM CONTAMINANT SOURCES.
  - KEEP B-VENTS A MINIMUM OF 3'-0" ABOVE ROOF PENETRATION AND/OR 2'-0" ABOVE ANY PART OF THE BUILDING WITHIN 10'-0". B-VENTS TO CLEAR COMBUSTIBLES BY 3" MIN.
  - THERMOSTATS, SENSORS AND CONTROL PANELS FOR HVAC EQUIPMENT SHALL BE LOCATED IN ACCORDANCE WITH THE MECHANICAL PLANS. FURNISH AND INSTALL CLEAR LOCKING COVERS FOR ALL T-STATS. ALL COVERS TO BE KEPT THE SAME.
  - PROVIDE ENGRAVED TAGS FOR ALL HVAC EQUIPMENT.
  - PROVIDE FACTORY START UP FOR ALL EQUIPMENT.
- 3) DUCTWORK:**
- ALL DUCTWORK SHALL MEET S.M.A.C.N.A. STANDARDS AS LISTED IN THE INTERNATIONAL MECHANICAL CODE. DUCTWORK TO BE GALVANIZED SHEET METAL UNLESS NOTED OTHERWISE.
  - ALL RECTANGULAR BRANCH DUCTS TO HAVE OPPOSED BLADE DAMPERS.
  - ALL JOINTS, LONGITUDINAL AND TRANSVERSE SEAMS, AND CONNECTIONS IN DUCTWORK, SHALL BE SECURELY FASTENED AND SEALED WITH WELDS, GASKETS, MASTICS (ADHESIVES), MASTIC-PLUS-EMBEDDED-FABRIC SYSTEMS, OR TAPES. TAPE AND MASTICS USED TO SEAL DUCTWORK SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 181A OR UL 181B. DUCT CONNECTIONS TO FLANGES OF AIR DISTRIBUTION SYSTEM EQUIPMENT SHALL BE SEALED AND MECHANICALLY FASTENED. DUCT TAPE IS NOT PERMITTED AS A SEALANT ON ANY METAL DUCTS.
  - LOW PRESSURE:
    - RTU S/A & R/A DROPS - 1 1/2" LINER
    - RECTANGULAR S/A - 1 1/2" LINER, UNLESS NOTED OTHERWISE.
    - RECTANGULAR R/A - 1 1/2" LINER, UNLESS NOTED OTHERWISE.
    - RECTANGULAR E/A - UNINSULATED.
    - ROUND S/A - 2" FIBERGLASS WRAP OR 1 1/2" T-SLEEVE
    - ROUND R/A - 2" FIBERGLASS WRAP OR 1 1/2" T-SLEEVE
    - ROUND E/A - UNINSULATED.
    - FLEX S/A - UNINSULATED (5'-0" MAXIMUM LENGTH)
    - FLEX R/A - UNINSULATED (5'-0" MAXIMUM LENGTH)
    - FLEX E/A - UNINSULATED (5'-0" MAXIMUM LENGTH)
    - RECT. DUCT LENGTHS - 59" WITH S&D JOINTS
    - DIMENSIONS - OUTSIDE DIMENSIONS SHOWN ON PLANS
    - ELBOW RADIUS - ONE HALF THE DUCT WIDTH (SEE DUCTWORK SYMBOLS LEGEND)
    - SHOE-TAPS - 6" LONG
    - BALANCING DAMPERS - AT ALL FINAL DIFFUSER & GRILLE TAP LOCATIONS (LOCKING TYPE)
    - RECT. BALANCING - OPPOSED FLAT BLADE, LOCKABLE (RUSKIN CD35S-OPD)
    - RECT. MIXING - PARALLEL FLAT BLADE, LOCKABLE (RUSKIN CD35S-PBD)
    - RECT. E/A AND O/A (MOD) - OPPOSED AIRFOIL BLADE, LOW LEAK, CLASS 3 (RUSKIN CD60)
    - RND. E/A AND O/A (MOD) - LOW LEAK, CLASS 1 (RUSKIN CD25)

### DIVISION 23 (CONTROLS)

- 1) GENERAL CONTROLS CONDITIONS:**
- ALL CONTROLS MOUNTED IN AN AREA TO BE MADE TO WITHSTAND THE ENVIRONMENT IN THAT AREA.
  - CONTROLS DESIGN AND INSTALLATION TO BE BY LICENSED DESIGN/BUILD CONTROLS CONTRACTOR. CONTROL ACCESSORIES TO BE INSTALLED AND WIRED AS PER THE ORIGINAL EQUIPMENT MANUFACTURER (OEM) REQUIREMENTS. NON-OEM BUILT UP CONTROL EQUIPMENT TO BE HONEYWELL OR JOHNSON. CONTROLS CONTRACTOR TO PROVIDE (4) SETS OF CONTROLS DIAGRAMS AND EQUIPMENT SUBMITTALS FOR APPROVAL PRIOR TO INSTALLATION FOR ALL BUILT-UP CONTROL SYSTEMS. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR AND TO COORDINATE INSTALLATION OF CONTROLS. CONTROL WIRING AND CONTROLS EQUIPMENT REQUIRED FOR ALL MECHANICAL EQUIPMENT. COORDINATE LOCATION OF ALL NEW CONTROL PANELS AND CONTROLLERS WITH OWNER PRIOR TO INSTALLATION.
  - PACKAGED ROOFTOP AIR HANDLING UNITS - TO BE CONTROLLED WITH OEM PROGRAMMABLE THERMOSTATS. UNIT, ECONOMIZER AND CONTROLS TO MEET ALL 2021 INTERNATIONAL ENERGY CONSERVATION CODE REQUIREMENTS.
  - ROOF MOUNTED TOILET EXHAUSTERS - TO BE ENERGIZED BY INDIVIDUAL TIME CLOCKS. COORDINATE LOCATION OF TIME CLOCKS WITH ELECTRICAL CONTRACTOR.
  - CEILING MOUNTED TOILET FANS - TO BE ENERGIZED BY OCCUPANCY SENSOR.

**NOT FOR CONSTRUCTION**  
 (FOR COORDINATION ONLY)  
 (IN PROGRESS)

**REVISIONS**

NO.	DATE	DESCRIPTION
1	10/11/24	FOR COORDINATION
2	10/11/24	FOR PERMIT
3	10/11/24	FOR CONTRACTING
4	10/11/24	FOR CONSTRUCTION

**THIS DRAWING**

**KVA & ASSOCIATES ARCHITECTS**

SUITE F  
2205 LAKESIDE DRIVE  
BANNOCKBURN, ILLINOIS 60015-1266  
(647)919-4500 FAX: (647)945-0284

PROPOSED

AVANT GARDENS - BANQUET HALL

370 VETERANS PARKWAY, NEW LENOX, ILLINOIS

FOR: UNLIMITED MASONRY & CONSTRUCTION, INC.

SHEET TITLE

HVAC SCHEDULES & NOTES

2428

PRIOR TO INSTALLATION, VERIFY ALL DUCTWORK, PIPING, WIRING, CONDUITS AND EQUIPMENT LOCATIONS SHOWN ON DRAWINGS TO AVOID CONFLICTS WITH THE BUILDING STRUCTURE, WALLS, CEILING, LIGHTS, ELECTRICAL ITEMS AND/OR OTHER TRADE ITEMS. NOTIFY DESIGN ENGINEER IN WRITING PRIOR TO ANY CHANGES.

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 1006 GENEVA ST. • SHOREWOOD, IL 60404  
 PHONE: (815)744-1010 • FAX: (815)744-1516  
 www.unitedmep.com

MS  
2

PROJECT NAME:		AVANT GARDENS		PROJECT NUMBER:		2429-1								
ROOM INPUT	ROOM INPUT	OCCUPANCY		VENTILATION		EXHAUST								
ROOM NUMBER & NAME	AREA (S.F.)	Ref. No.	CLASSIFICATION	P/1000	PEOPLE	Rp	Ra	Vbz	CFM	FIX	CFM/	CFM/	CFM	EQUIPMENT NOTE
					CODE	ACTUAL	CFM/P	CFM	CFM/SF	CFM				
10-INT FOYER	955	50	HMRD-LOBBIES/PREFUNCTION	30	28.7	29	7.5	218	0.06	57	275			RTU-1
10-N FOYER	225	50	HMRD-LOBBIES/PREFUNCTION	30	6.8	7	7.5	53	0.06	14	66			RTU-1
10-S FOYER	225	50	HMRD-LOBBIES/PREFUNCTION	30	6.8	7	7.5	53	0.06	14	66			RTU-1
15-VESTIBULE	120	58	PS-CORRIDORS					0.06	7	7				RTU-1
50-INT HALL	520	58	PS-CORRIDORS					0.06	31	31				RTU-1
210-N FOYER BALC	430	58	PS-CORRIDORS					0.06	26	26				RTU-1
210-S FOYER BALC	430	58	PS-CORRIDORS					0.06	26	26				RTU-1
	2,905				42	43		323		174	497	Vou		
					Ps =	43						D =	1	

PROJECT NAME:		AVANT GARDENS		PROJECT NUMBER:		2429-1								
ROOM INPUT	ROOM INPUT	OCCUPANCY		VENTILATION		EXHAUST								
ROOM NUMBER & NAME	AREA (S.F.)	Ref. No.	CLASSIFICATION	P/1000	PEOPLE	Rp	Ra	Vbz	CFM	FIX	CFM/	CFM/	CFM	EQUIPMENT NOTE
					CODE	ACTUAL	CFM/P	CFM	CFM/SF	CFM				
50-N HALL	185	58	PS-CORRIDORS					0.06	11	11				RTU-2
103-ELEVATOR	60	59	PS-ELEVATOR CAR									1	60	RTU-2, REF-3
104-EQUIPMENT	40	77	RET-STORAGE ROOMS					0.12	5	5				RTU-2
107-N CATERING	475	50	HMRD-LOBBIES/PREFUNCTION	30	14.3	15	7.5	113	0.06	29	141			RTU-2
108-N WOMEN	125	64	PS-TOILET ROOMS (CONT) (Jan Clos =1 WC)								3	50	150	RTU-2, REF-1
109-N MEN	125	64	PS-TOILET ROOMS (CONT) (Jan Clos =1 WC)								3	50	150	RTU-2, REF-1
	1,010				14	15		113		44	157	Vou		360
					Ps =	15						D =	1	

PROJECT NAME:		AVANT GARDENS		PROJECT NUMBER:		2429-1								
ROOM INPUT	ROOM INPUT	OCCUPANCY		VENTILATION		EXHAUST								
ROOM NUMBER & NAME	AREA (S.F.)	Ref. No.	CLASSIFICATION	P/1000	PEOPLE	Rp	Ra	Vbz	CFM	FIX	CFM/	CFM/	CFM	EQUIPMENT NOTE
					CODE	ACTUAL	CFM/P	CFM	CFM/SF	CFM				
50-S HALL	185	58	PS-CORRIDORS					0.06	11	11				RTU-3
105-OFFICE	70	53	OFF-OFFICE SPACES	5	0.4	1	5	5	0.06	4	9			RTU-3
106-STORAGE	40	115	CLOSET											RTU-3
107-S CATERING	475	50	HMRD-LOBBIES/PREFUNCTION	30	14.3	15	7.5	113	0.06	29	141			RTU-3
108-S WOMEN	125	64	PS-TOILET ROOMS (CONT) (Jan Clos =1 WC)								3	50	150	RTU-3, REF-2
109-S MEN	125	64	PS-TOILET ROOMS (CONT) (Jan Clos =1 WC)								3	50	150	RTU-3, REF-2
	1,020				15	16		118		44	161	Vou		300
					Ps =	16						D =	1	

PROJECT NAME:		AVANT GARDENS		PROJECT NUMBER:		2429-1								
ROOM INPUT	ROOM INPUT	OCCUPANCY		VENTILATION		EXHAUST								
ROOM NUMBER & NAME	AREA (S.F.)	Ref. No.	CLASSIFICATION	P/1000	PEOPLE	Rp	Ra	Vbz	CFM	FIX	CFM/	CFM/	CFM	EQUIPMENT NOTE
					CODE	ACTUAL	CFM/P	CFM	CFM/SF	CFM				
110-BALLROOM	2,660	31	F&B-BARS, COCKTAIL LOUNGES	100	266.0	136	7.5	1,020	0.18	479	1,499			RTU-4
113-N STORAGE	110	77	RET-STORAGE ROOMS					0.12	13	13				RTU-4
115-N VIDEO	180	88	S&A-GAME ARCADES	20	3.6	4	7.5	30	0.18	32	62			RTU-4
116-N BAR	295	31	F&B-BARS, COCKTAIL LOUNGES	100	29.5	12	7.5	90	0.18	53	143			RTU-4
111-N HALL	195	58	PS-CORRIDORS					0.06	12	12				RTU-4
112-N PATIO LOBBY	125	58	PS-CORRIDORS					0.06	8	8				RTU-4
120-SPRINKLER	75	115	CLOSET											RTU-4
	3,640				299	162		1,140		597	1,737	Vou		
					Ps =	162						D =	1	

PROJECT NAME:		AVANT GARDENS		PROJECT NUMBER:		2429-1								
ROOM INPUT	ROOM INPUT	OCCUPANCY		VENTILATION		EXHAUST								
ROOM NUMBER & NAME	AREA (S.F.)	Ref. No.	CLASSIFICATION	P/1000	PEOPLE	Rp	Ra	Vbz	CFM	FIX	CFM/	CFM/	CFM	EQUIPMENT NOTE
					CODE	ACTUAL	CFM/P	CFM	CFM/SF	CFM				
110-BALLROOM	2,660	31	F&B-BARS, COCKTAIL LOUNGES	100	266.0	136	7.5	1,020	0.18	479	1,499			RTU-4
113-N STORAGE	110	77	RET-STORAGE ROOMS					0.12	13	13				RTU-4
115-N VIDEO	180	88	S&A-GAME ARCADES	20	3.6	4	7.5	30	0.18	32	62			RTU-4
116-N BAR	295	31	F&B-BARS, COCKTAIL LOUNGES	100	29.5	12	7.5	90	0.18	53	143			RTU-4
111-N HALL	195	58	PS-CORRIDORS					0.06	12	12				RTU-4
112-N PATIO LOBBY	125	58	PS-CORRIDORS					0.06	8	8				RTU-4
120-SPRINKLER	75	115	CLOSET											RTU-4
	3,640				299	162		1,140		597	1,737	Vou		
					Ps =	162						D =	1	

PROJECT NAME:		AVANT GARDENS		PROJECT NUMBER:		2429-1								
ROOM INPUT	ROOM INPUT	OCCUPANCY		VENTILATION		EXHAUST								
ROOM NUMBER & NAME	AREA (S.F.)	Ref. No.	CLASSIFICATION	P/1000	PEOPLE	Rp	Ra	Vbz	CFM	FIX	CFM/	CFM/	CFM	EQUIPMENT NOTE
					CODE	ACTUAL	CFM/P	CFM	CFM/SF	CFM				
201-N BRIDAL SUITE	365	46	HMRD-BEDROOM/LIVING ROOM	10	3.7	6	5	30	0.06	22	52			RTU-6
202-N GROOM HALL	350	46	HMRD-BEDROOM/LIVING ROOM	10	3.5	6	5	30	0.06	21	51			RTU-6
203-N GOLF	105	88	S&A-GAME ARCADES	20	2.1	1	7.5	8	0.18	19	26			RTU-6
205-N TOILET	55	63	PS-TOILET ROOMS (INT) (Jan Clos =1 WC)								1	70	70	RTU-6, CEF-1
206-N TOILET	55	63	PS-TOILET ROOMS (INT) (Jan Clos =1 WC)								1	70	70	RTU-6, CEF-2
207-N TOILET	55	63	PS-TOILET ROOMS (INT) (Jan Clos =1 WC)								1	70	70	RTU-6, CEF-3
112-N STAIR	160	116	STAIR											RTU-6
	1,145				9	13		68		62	129	Vou		210
					Ps =	13						D =	1	

PROJECT NAME:		AVANT GARDENS		PROJECT NUMBER:		2429-1								
ROOM INPUT	ROOM INPUT	OCCUPANCY		VENTILATION		EXHAUST								
ROOM NUMBER & NAME	AREA (S.F.)	Ref. No.	CLASSIFICATION	P/1000	PEOPLE	Rp	Ra	Vbz	CFM	FIX	CFM/	CFM/	CFM	EQUIPMENT NOTE
					CODE	ACTUAL	CFM/P	CFM	CFM/SF	CFM				
201-S BRIDAL SUITE	365	46	HMRD-BEDROOM/LIVING ROOM	10	3.7	6	5	30	0.06	22	52			RTU-7
202-S GROOM HALL	350	46	HMRD-BEDROOM/LIVING ROOM	10	3.5	6	5	30	0.06	21	51			RTU-7
203-S GOLF	105	88	S&A-GAME ARCADES	20	2.1	1	7.5	8	0.18	19	26			RTU-7
205-S TOILET	55	63	PS-TOILET ROOMS (INT) (Jan Clos =1 WC)								1	70	70	RTU-7, CEF-4
206-S TOILET	55	63	PS-TOILET ROOMS (INT) (Jan Clos =1 WC)								1	70	70	RTU-7, CEF-5
207-S TOILET	55	63	PS-TOILET ROOMS (INT) (Jan Clos =1 WC)								1	70	70	RTU-7, CEF-6
208-STORAGE	70	115	CLOSET											RTU-7
112-S STAIR	160	116	STAIR											RTU-7
	1,215				9	13		68		62	129	Vou		210
					Ps =	13						D =	1	

PROJECT NAME:		AVANT GARDENS		PROJECT NUMBER:		2429-1	
COMMON VENTILATION SYSTEM CORRECTION	COMMON VENTILATION SYSTEM CORRECTION	SUPPLY (cfm)		VENTILATION (CFM)		VENTILATION NOTE	
ROOM NAME & NUMBER	Base	102% Target	102% Adjust'd	102% Vpz	Ez	CFM	OA Fraction Zp=Voz/Vpz
10-INT FOYER	1,025	1,049	1,050	1,050	0.80	344	32.7%
10-N FOYER	275	281	280	280	0.80	83	29.5%
10-S FOYER	275	281	280	280	0.80	83	29.5%
15-VESTIBULE	213	218	220	220	0.80	9	4.1%
50-INT HALL	160	164	170	170	0.80	39	22.9%
210-N FOYER BALC	296	303	300	300	0.80	32	10.8%
210-S FOYER BALC	296	303	300	300	0.80	32	10.8%
	2,540	2,600	2,600	2,600		621	
							32.7%

Multiple Zone = 1  
Single or 100% =2  
Max Zp = 32.7% O/A Percent-Critical Space  
Ev = 0.82 Corrected Total Outdoor Airflow Rate

PROJECT NAME:		AVANT GARDENS		PROJECT NUMBER:		2429-1	
COMMON VENTILATION SYSTEM CORRECTION	COMMON VENTILATION SYSTEM CORRECTION	SUPPLY (cfm)		VENTILATION (CFM)		VENTILATION NOTE	
ROOM NAME & NUMBER	Base	99% Target	107% Adjust'd	107% Vpz	Ez	CFM	OA Fraction Zp=Voz/Vpz
50-N HALL	36	36	60	60	0.80	14	23.1%
103-ELEVATOR	90	89			0.80		
104-EQUIPMENT	232	230	250	250	0.80	6	2.4%
107-N CATERING	930	920	970	970	0.80	176	18.2%
108-N WOMEN	13	13	60	60	0.80		
109-N MEN	13	13	60	60	0.80		
	1,314	1,300	1,400	1,400		196	
							23.1%

Multiple Zone = 1  
Single or 100% =2  
Max Zp = 23.1% O/A Percent-Critical Space  
Ev = 0.92 Corrected Total Outdoor Airflow



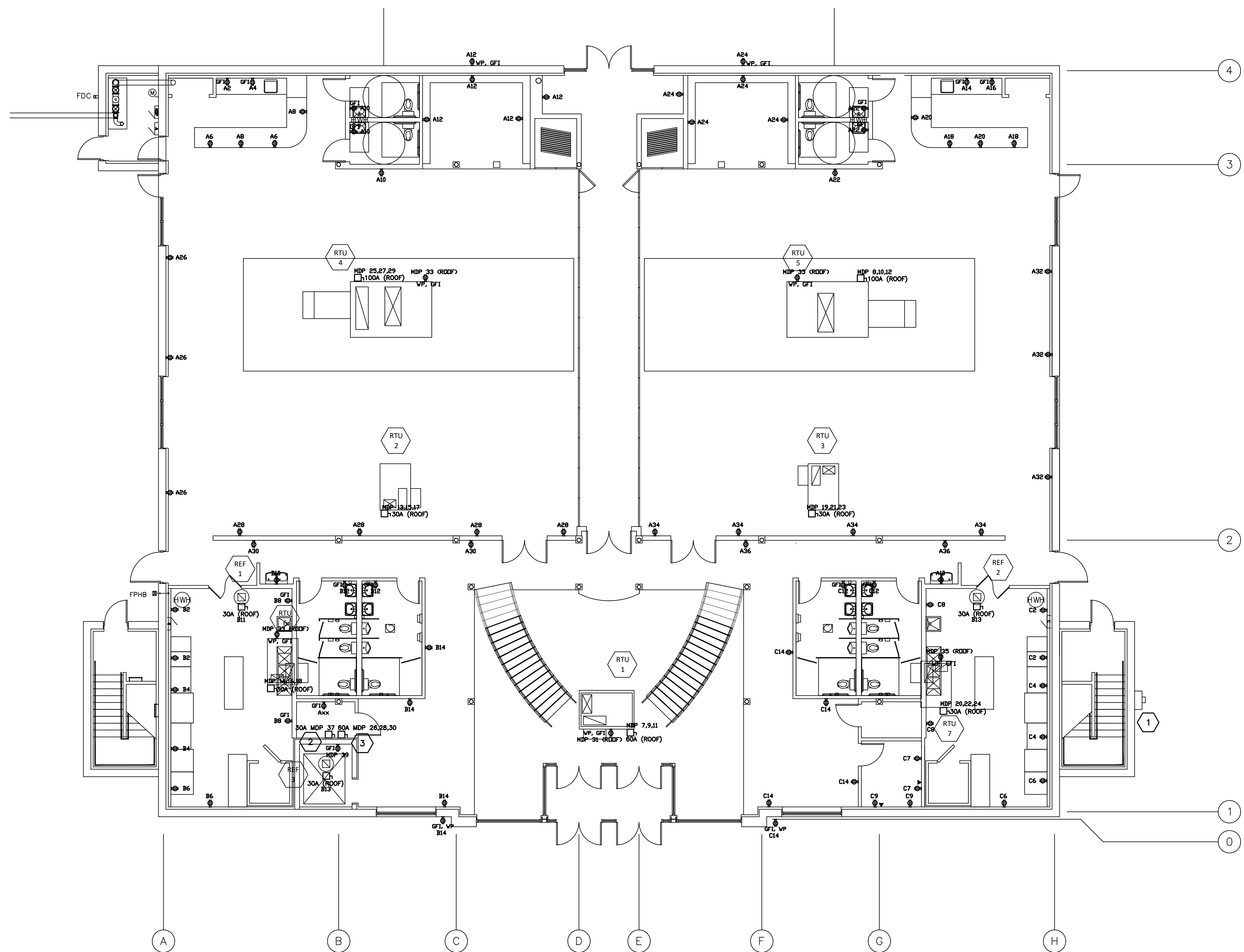
ISSUED:  
10-11-24 FOR PERMIT

1/8" = 1'-0"

E1.0

GENERAL NOTES:  
1. INSTALLATION SHALL COMPLY WITH THE 2017 NEC AND LOCAL AMENDMENTS.

KEY NOTES:  
1. PROPOSED LOCATION OF UTILITY METER AND MAIN DISCONNECT.  
2. PROVIDE FUSED DISCONNECT FOR ELEVATOR CAB LIGHTS.  
3. PROVIDE FUSED SHUNT TRIP DISCONNECT FOR ELEVATOR EQUIPMENT.

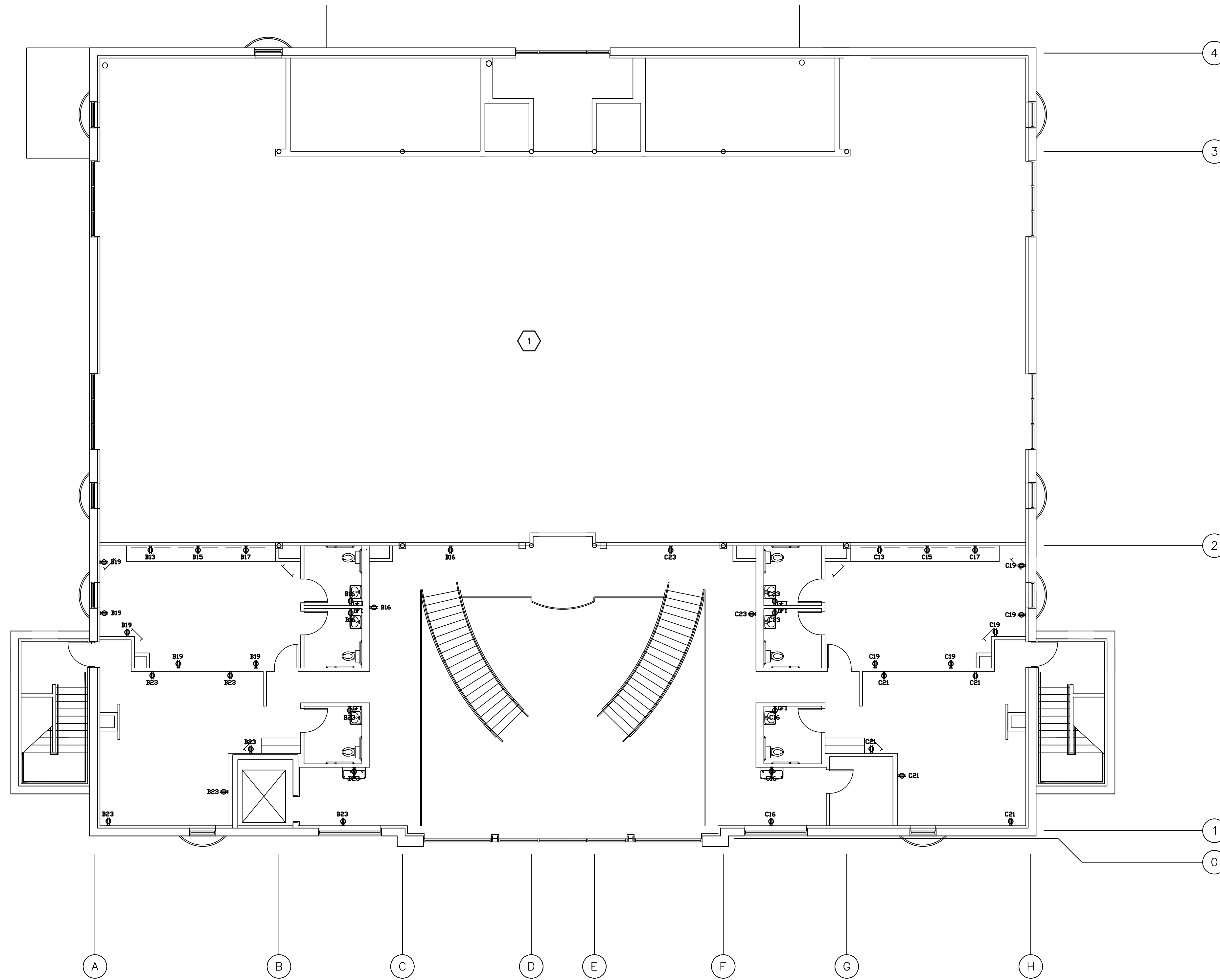


- SYMBOLS:
- 250V, NON-FUSED DISCONNECT
  - ⊕ 20A, TAMPER-RESISTANT RECEPTACLE
  - ⊕⊕ 20A, DOUBLE TAMPER-RESISTANT RECEPTACLE
  - ⚡ EMERGENCY LIGHT WITH 90MIN BATTERY
  - ⚡ COMBINATION EXIT & EMERGENCY LIGHT
  - ⊕ GFCI DUPLEX RECEPTACLE
  - ⊕ CEILING MOUNTED OCCUPANCY SENSOR
  - ⊕ 20A, 277V, 1P TOGGLE SWITCH
  - ⊕ 20A, 277V, 3-WAY TOGGLE SWITCH
  - ⊕ WALL MOUNT OCCUPANCY SENSOR SWITCH
  - ⊕ WALL MOUNT 0-10V DIMMER SWITCH
  - ⊕ EMPTY JUNCTION BOX AND 3/4" EMT STUB
  - ⊕ JUNCTION BOX
  - ⊕ FLOOR BOX WITH DUPLEX RECEPTACLE
  - ⊕ HOME RUN JUNCTION BOX

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

GENERAL NOTES:  
 1. INSTALLATION SHALL COMPLY WITH THE 2017 NEC AND LOCAL AMENDMENTS.

KEY NOTES:  
 1 SEE E1.0 FOR POWER PLAN IN THIS AREA.

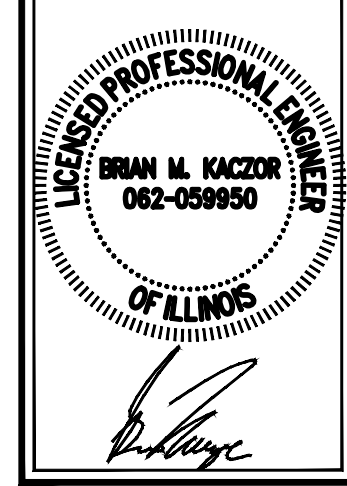


- SYMBOLS:
- 250V, NON-FUSED DISCONNECT
  - ⊕ 20A, TAMPER-RESISTANT RECEPTACLE
  - ⊕⊕ 20A, DOUBLE TAMPER-RESISTANT RECEPTACLE
  - ⚡ EMERGENCY LIGHT WITH 90MIN BATTERY
  - ⚡ COMBINATION EXIT & EMERGENCY LIGHT
  - ⊕ GFCI DUPLEX RECEPTACLE
  - ⊕ CEILING MOUNTED OCCUPANCY SENSOR
  - ⊕ 20A, 277V, 1P TOGGLE SWITCH
  - ⊕ 20A, 277V, 3-WAY TOGGLE SWITCH
  - ⊕ WALL MOUNT OCCUPANCY SENSOR SWITCH
  - ⊕ WALL MOUNT 0-10V DIMMER SWITCH
  - ⚡ EMPTY JUNCTION BOX AND 3/4" EMT STUB
  - ⊕ JUNCTION BOX
  - ⊕ FLOOR BOX WITH DUPLEX RECEPTACLE
  - ⊕ HOME RUN JUNCTION BOX

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

AVANT GARDENS  
 360 VETERANS PARKWAY  
 NEW LENOX, IL 60451

SECOND FLOOR POWER PLAN



ISSUED:  
 10-11-24 FOR PERMIT

1/8" = 1'-0"

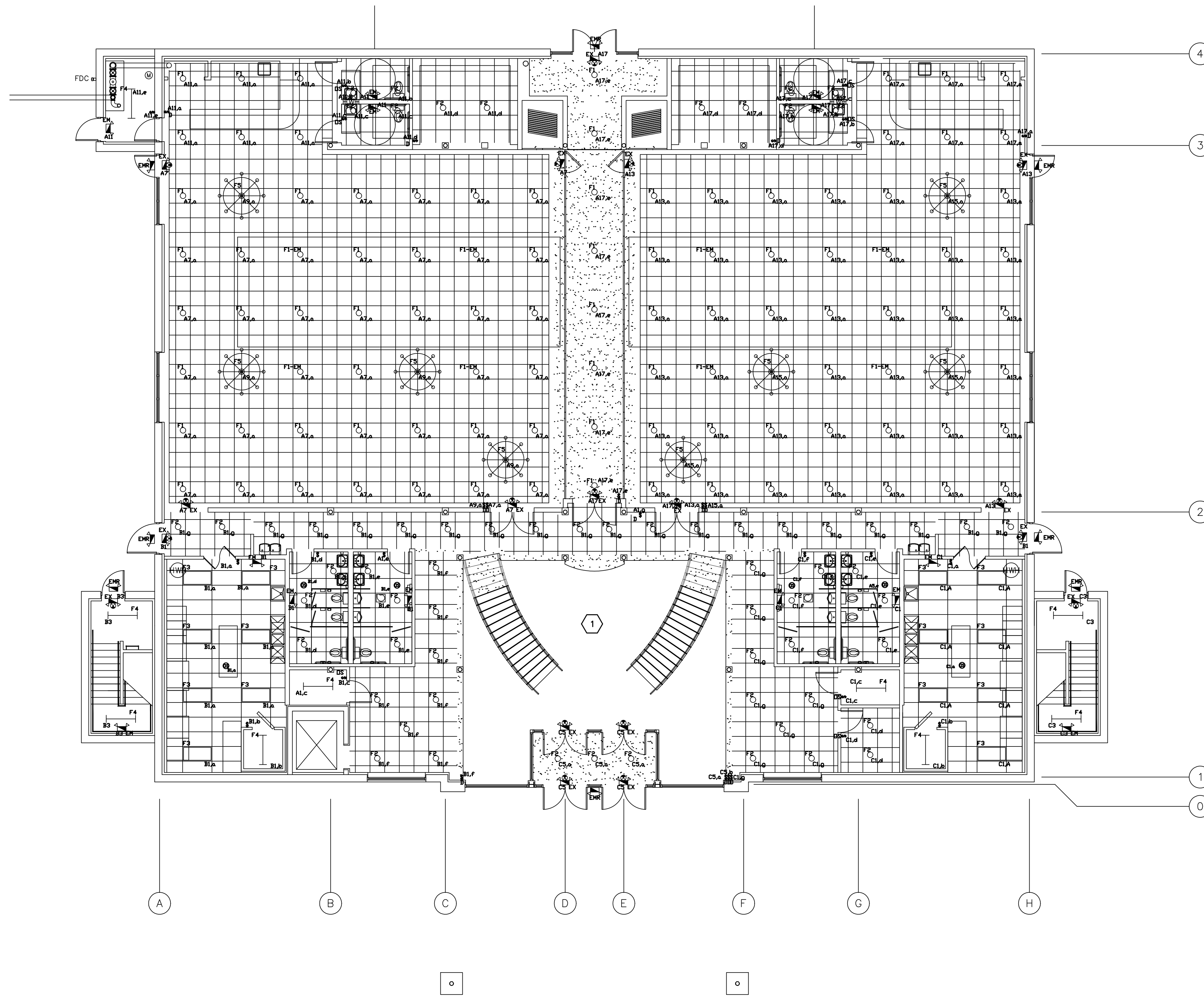
E2.0

**GENERAL NOTES:**



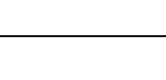

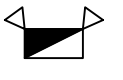






1. INSTALLATION SHALL COMPLY WITH THE 2014 NEC AND LOCAL AMENDMENTS.
2. ALL EXIT AND EMERGENCY LIGHTS TO BE CONNECTED TO THE LOCAL LIGHTING CIRCUIT.

**KEY NOTES:**

- 1 SEE E4.0 FOR LIGHTING IN THIS AREA.



**SYMBOLS:**

-  WALL MOUNTED LIGHT FIXTURE
-  2X4 LIGHT FIXTURE
-  4' SURFACE MOUNTED FIXTURE
-  RECESSED DOWNLIGHT
-  EMERGENCY LIGHT WITH 90MIN BATTERY
-  COMBINATION EXIT & EMERGENCY LIGHT
-  20A, 120V, 1P TOGGLE SWITCH
-  WALL MOUNT OCCUPANCY SENSOR SWITCH
-  WALL MOUNT 0-10v DIMMERSWITCH
-  CEILING MOUNTED OCCUPANCY SENSOR
-  POWER PACK

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

**AVANT GARDENS**  
360 VETERANS PARKWAY  
NEW LENOX, IL 60451

FIRST FLOOR LIGHTING PLAN

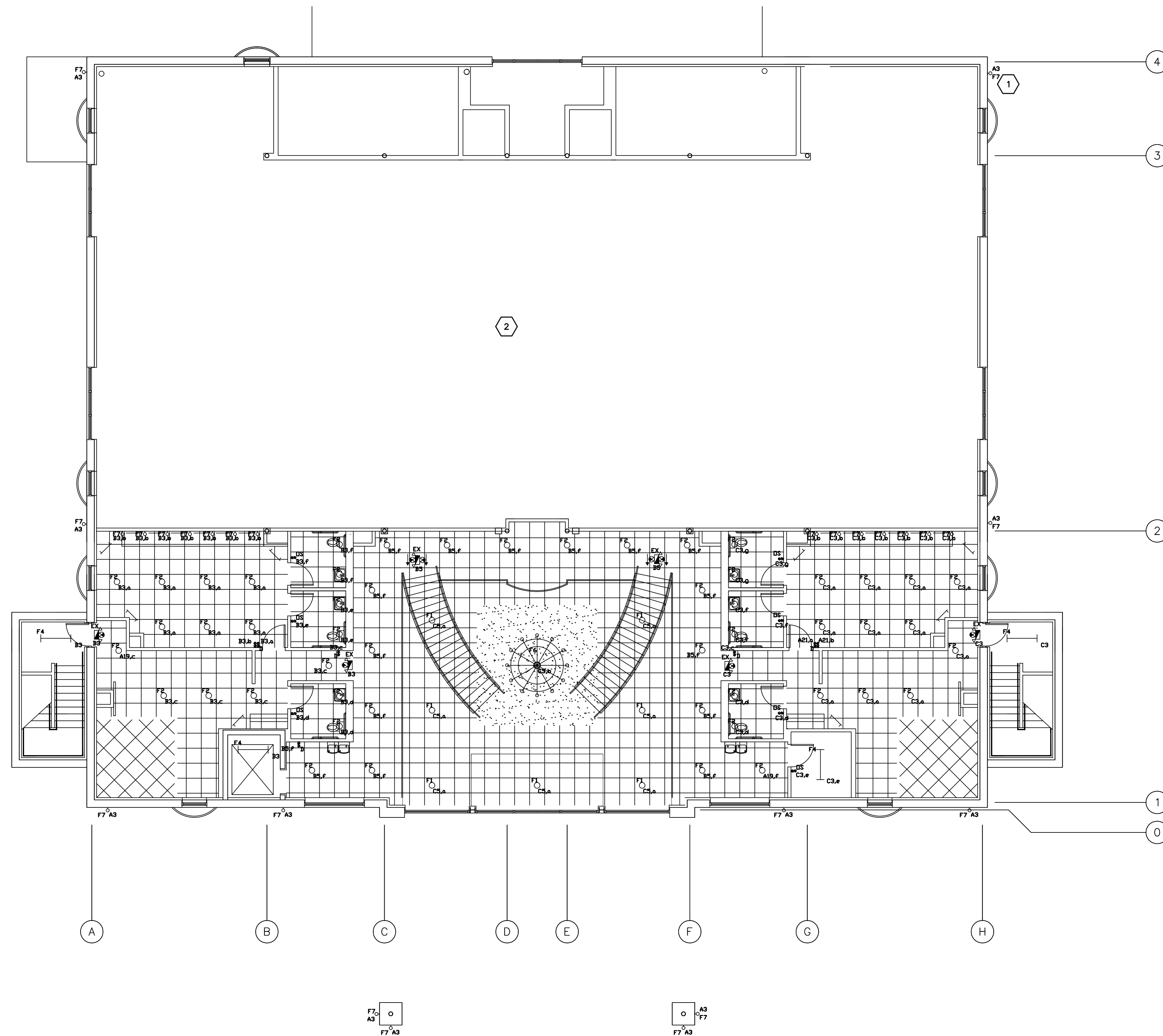


ISSUED:  
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1/8" = 1'-0"

**E3.0**



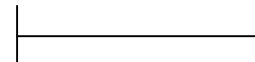

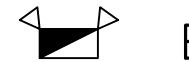










- GENERAL NOTES:**
1. INSTALLATION SHALL COMPLY WITH THE 2014 NEC AND LOCAL AMENDMENTS.
  2. ALL EXIT AND EMERGENCY FIXTURES TO BE CONNECTED AHEAD OF THE LOCAL LIGHTING CIRCUIT.

- KEY NOTES:**
- 1 SEE ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF FIXTURE TYPE FB. TYPICAL OF 12.
  - 2 SEE E3.0 FOR LIGHTING IN THIS AREA.

**SYMBOLS:**

-  WALL MOUNTED LIGHT FIXTURE
-  2X4 LIGHT FIXTURE
-  4' SURFACE MOUNTED FIXTURE
-  RECESSED DOWNLIGHT
-  EMERGENCY LIGHT WITH 90MIN BATTERY
-  COMBINATION EXIT & EMERGENCY LIGHT
-  20A, 120V, 1P TOGGLE SWITCH
-  WALL MOUNT OCCUPANCY SENSOR SWITCH
-  WALL MOUNT 0-10V DIMMER SWITCH
-  CEILING MOUNTED OCCUPANCY SENSOR
-  POWER PACK

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

**AVANT GARDENS**  
360 VETERANS PARKWAY  
NEW LENOX, IL 60451

SECOND FLOOR LIGHTING PLAN

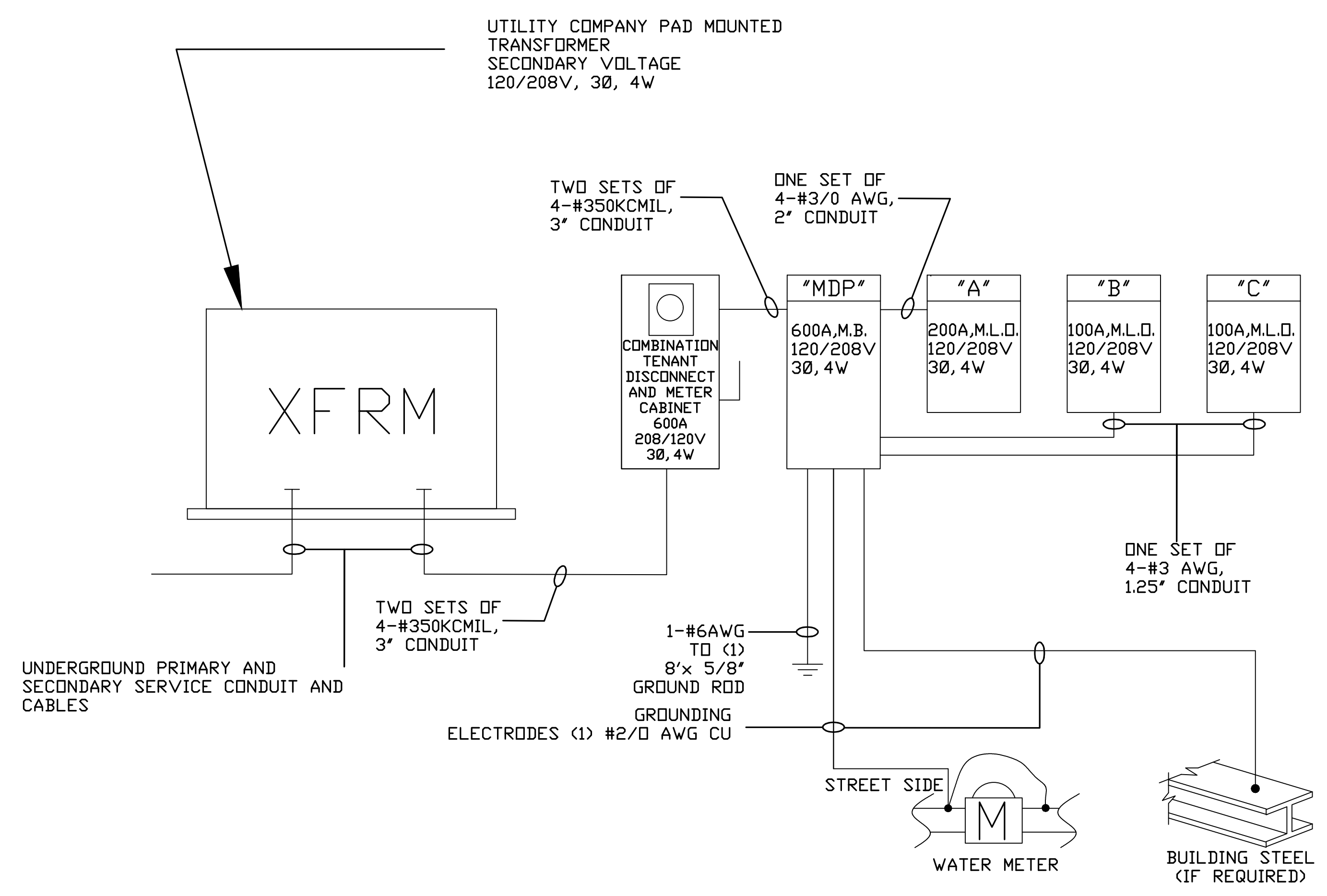


ISSUED:  
10-11-24 FOR PERMIT

1/8" = 1'-0"

**E4.0**

**GENERAL NOTES:**  
 1. INSTALLATION SHALL COMPLY WITH THE 2017 NEC AND LOCAL AMENDMENTS.



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

**LIGHTING FIXTURE SCHEDULE**

TAG	FIXTURE DESCRIPTION	MANUFACTURER AND CATALOG NO.	LUMENS	VOLTAGE	VA	MOUNTING	REMARKS
F1	6' DOWNLIGHT	PRESCOLITE LIGHTING: LTR-6RD-H-ML20L-DM1-LTR-6RD-T-ML35K8MD-S-LWWT	2265	120	23	RECESSED	
F1-EM	6' DOWNLIGHT WITH BATTERY BACKUP	PRESCOLITE LIGHTING: LTR-6RD-H-ML20L-DM1-LTR-6RD-T-ML35K8MD-S-LWWT	2265	120	23	RECESSED	SAME AS F1 BUT WITH 90MIN BATTERY BACKUP
F2	6' DOWNLIGHT	PRESCOLITE LIGHTING: LTR-6RD-H-SL15L-DM1-LTR-6RD-T-ML35K8MD-S-LWWT	1712	120	19	RECESSED	
F3	2X4 LED TROFFER	LITHONIA: CPANL 2X440/50/60LM 35K M2	4000	120	32	RECESSED	SELECTABLE LUMEN OUTPUT 4000/5000/6000. WATTAGE 32/42/52
F4	1X4 STRIP FIXTURE	LITHONIA: CSS L48 ALO3 MVOLT SWW3 80CRI/HC36 M12	5000	120	44	SURFACE	SELECTABLE LUMEN OUTPUT 3000/4000/5000. WATTAGE 28/36/44
F5	DECORATIVE FIXTURE BY OWNER	TBD		120		SUSPENDED	
F6	DECORATIVE FIXTURE BY OWNER	TBD		120		SUSPENDED	
F7	DECORATIVE FIXTURE BY OWNER	TBD		120		WALL	
F8	TENUTA ESTERNO OUTDOOR WALL SCONCE	ALLEGRI AGR1267522	840	120	12	WALL	CUSTOM HEIGHT OF 48" FINISH: BLACK
EX	COMBINATION EXIT EM FIXTURE	LITHONIA: ECR LED M6	LED	120	2	SURFACE	RED LETTER PLASTIC LED EXIT SIGN AND EMERGENCY LIGHT. 90 MIN BATTERY
EM	EMERGENCY LIGHT FIXTURE	LITHONIA: EU2C M6	LED	120	2	SURFACE	90 MIN. BATTERY
EMR	EXTERIOR REMOTE EMERGENCY LIGHT FIXTURE	LITHONIA: ERE GYT WP SQ M12	LED	3.6-12V	2	SURFACE	TWIN, LED WEATHER-PROOF HEAD, SQUARE, GRAY

**PANELBOARD SCHEDULE "MDP"**

LOCATION: Room 120  
 SERVICE: 208/120V, 3 PH, 4W 208 V NEUTRAL BUS: STANDARD  
 MAIN BREAKER: 600A GROUND BUS: STANDARD  
 MAIN BUS TYPE: COPPER MOUNTING: SURFACE  
 INTERRUPT RATING: 22,000 AIC ENCLOSURE: NEMA 1

DESCRIPTION	CCT. NO.	CIRCUIT BREAKER	CIRCUIT LOAD	CONNECTED LOAD (VA) A B C	CIRCUIT BREAKER	CCT. NO.	DESCRIPTION
PANEL B	1		4140	7710		2	R
R	3	100A/3P	3590		7330	3740	100A/3P 4 R
R	5		3000		6770	3470	6 R
M	7		5040	13920		8880	8 M
M	9	60A/3P	5040		13920	8880	90A/3P 10 M
M	11		5040		13920	8880	12 M
M	13		2640	5280		2640	14 M
M	15	30A/3P	2640		5280	2640	30A/3P 18 M
M	17		2640		5280	2640	18 M
M	19		2640	5280		2640	20 M
M	21	30A/3P	2640		5280	2640	60A/3P 22 M
M	23		2640		5280	2640	24 M
M	25		8880	14640		5760	26 M
M	27	90A/3P	8880		14640	5760	90A/3P 28 M
M	29		8880		14640	5760	30 M
R	31	20A/1P	180	8404		8224	32 R
R	33	20A/1P	360	7296		6908	200A/3P 34 R
R	35	20A/1P	360		5662	5302	36 R
M	37	20A/1P	100	100			38 X
R	39	20A/1P	180		180		40 X
X	41						42 X

TOTAL VA PER PHASE  
 55334 53926 51952

CONNECTED LOAD DEMAND FACTOR DEMAND LOAD  
 L LIGHTING 0.00 KVA 1.00 0.00 KVA  
 R RECEPTACLES 43.35 KVA 1.00 43.35 KVA  
 M MOTOR / EQUIP. 117.48 KVA 1.00 117.48 KVA  
 H ELECTRIC HEAT 0.00 KVA 1.00 0.00 KVA  
 S SPARE 0.00 KVA 0.00 0.00 KVA  
 X SPACE 0.00 KVA 0.00 0.00 KVA

TOTAL CONNECTED LOAD: 160.81 KVA TOTAL DEMAND LOAD: 160.81 KVA  
 TOTAL DEMAND CURRENT: 446.4 AMPS

**PANELBOARD SCHEDULE "A"**

LOCATION: Room 120  
 SERVICE: 208/120V, 3 PH, 4W 208 V NEUTRAL BUS: STANDARD  
 MAIN BREAKER: 200A GROUND BUS: STANDARD  
 MAIN BUS TYPE: COPPER MOUNTING: SURFACE  
 INTERRUPT RATING: 10,000 AIC ENCLOSURE: NEMA 1

DESCRIPTION	CCT. NO.	CIRCUIT BREAKER	CIRCUIT LOAD	CONNECTED LOAD (VA) A B C	CIRCUIT BREAKER	CCT. NO.	DESCRIPTION
L	1	201P	500	1700		1200	201P 2 R
L	3	201P	144		649	505	201P 4 R
S	5	201P			360	360	201P 6 R
L	7	201P	1000	1360		360	201P 8 R
L	9	201P	1260	1790		540	201P 10 R
L	11	201P	650		1550	900	201P 12 R
L	13	201P	1000	2200		1200	201P 14 R
L	15	201P	1260	1755		505	201P 16 R
L	17	201P	650		1010	360	201P 18 R
L	19	202P	762	1122		360	201P 20 R
L	21		762	1302		540	201P 22 R
L	23		762	1662		900	201P 24 R
L	25	202P	762	1302		540	201P 26 R
S	27	201P		720		720	201P 28 R
S	29	201P			360	360	201P 30 R
S	31	201P		540		540	201P 32 R
S	33	201P		720		720	201P 34 R
S	35	201P			360	360	201P 36 R
X	37			0			38 X
X	39			0			40 X
X	41						42 X

TOTAL VA PER PHASE  
 8224 6936 5302

CONNECTED LOADS DEMAND FACTOR DEMAND LOAD  
 L LIGHTING 9.48 KVA 1.00 9.48 KVA  
 R RECEPTACLES 10.97 KVA 1.00 10.97 KVA  
 M MOTOR / EQUIP. 0.00 KVA 1.00 0.00 KVA  
 H ELECTRIC HEAT 0.00 KVA 1.00 0.00 KVA  
 S SPARE 0.00 KVA 0.00 0.00 KVA  
 X SPACE 0.00 KVA 0.00 0.00 KVA

TOTAL CONNECTED LOAD: 20.46 KVA TOTAL DEMAND LOAD: 20.46 KVA  
 TOTAL DEMAND CURRENT: 58.8 AMPS

**PANELBOARD SCHEDULE "B"**

LOCATION: Room 120  
 SERVICE: 208/120V, 3 PH, 4W 208 V NEUTRAL BUS: STANDARD  
 MAIN BREAKER: 100A GROUND BUS: STANDARD  
 MAIN BUS TYPE: COPPER MOUNTING: FLUSH  
 INTERRUPT RATING: 10,000 AIC ENCLOSURE: NEMA 1

DESCRIPTION	CCT. NO.	CIRCUIT BREAKER	CIRCUIT LOAD	CONNECTED LOAD (VA) A B C	CIRCUIT BREAKER	CCT. NO.	DESCRIPTION	
L	1st Floor N. Lighting	1	201P	1050	1410		360	201P 2 R
L	2nd FL N. Lighting	3	201P	750		1110	360	201P 4 R
L	2nd FL Lobby Lighting	5	201P	750		1110	360	201P 6 R
R	Office Receptacles	7	201P	360	720		360	201P 8 R
R	Office Receptacles	9	201P	360	860		500	201P 10 R
M	Roof Exhaust Fan 1	11	201P	750		1110	360	201P 12 R
M	Roof Exhaust Fan 2	13	201P	750	1110		360	201P 14 R
R	Second Floor North Receptacles	15	201P	180	720		540	201P 16 S
R	Second Floor North Receptacles	17	201P	180		180	201P 18 S	
R	Second Floor North Receptacles	19	201P	180	180		201P 20 S	
R	Second Floor North Receptacles	21	201P	900	900		201P 22 X	
R	Second Floor North Receptacles	23	201P	900		900	24 X	
S	Second Floor North Receptacles	25	201P	720	720		26 X	
X		27			0		28 X	
X		29			0		30 X	

TOTAL VA PER PHASE  
 4140 3690 3300

CONNECTED LOADS DEMAND FACTOR DEMAND LOAD  
 L LIGHTING 2.55 KVA 1.00 2.55 KVA  
 R RECEPTACLES 6.44 KVA 1.00 6.44 KVA  
 M MOTOR / EQUIP. 1.50 KVA 1.00 1.50 KVA  
 H ELECTRIC HEAT 0.00 KVA 1.00 0.00 KVA  
 S SPARE 0.54 KVA 0.00 0.00 KVA  
 X SPACE 0.00 KVA 0.00 0.00 KVA

TOTAL CONNECTED LOAD: 11.03 KVA TOTAL DEMAND LOAD: 10.49 KVA  
 TOTAL DEMAND CURRENT: 28.1 AMPS

**PANELBOARD SCHEDULE "C"**

LOCATION: Room 120  
 SERVICE: 208/120V, 3 PH, 4W 208 V NEUTRAL BUS: STANDARD  
 MAIN BREAKER: 100A GROUND BUS: STANDARD  
 MAIN BUS TYPE: COPPER MOUNTING: FLUSH  
 INTERRUPT RATING: 10,000 AIC ENCLOSURE: NEMA 1

DESCRIPTION	CCT. NO.	CIRCUIT BREAKER	CIRCUIT LOAD	CONNECTED LOAD (VA) A B C	CIRCUIT BREAKER	CCT. NO.	DESCRIPTION	
L	1ST FL S LIGHTING	1	201P	1050	1410		360	201P 2 R
L	2ND FL S LIGHTING	3	201P	900		1260	360	201P 4 R
L	Lobby Lighting	5	201P	1100		1460	360	201P 6 R
R	Office Receptacles	7	201P	360	720		360	201P 8 R
R	Office Receptacles	9	201P	360	860		500	201P 10 R
M	Roof Exhaust Fan 3	11	201P	750		1110	360	201P 12 R
R	Second Floor South Receptacles	13	201P	180	540		360	201P 14 R
R	Second Floor South Receptacles	15	201P	180	720		540	201P 16 R
R	Second Floor South Receptacles	17	201P	180		180	201P 18 S	
R	Second Floor South Receptacles	19	201P	900	900		201P 20 S	
R	Second Floor South Receptacles	21	201P	900	900		201P 22 S	
R	Second Floor South Receptacles	23	201P	720		720	201P 24 S	
X		25			0		26 X	
X		27			0		28 X	
X		29					30 X	

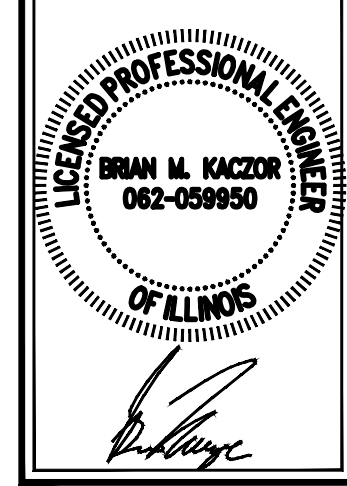
TOTAL VA PER PHASE  
 3570 3740 3470

CONNECTED LOADS DEMAND FACTOR DEMAND LOAD  
 L LIGHTING 3.05 KVA 1.00 3.05 KVA  
 R RECEPTACLES 6.98 KVA 1.00 6.98 KVA  
 M MOTOR / EQUIP. 0.75 KVA 1.00 0.75 KVA  
 H ELECTRIC HEAT 0.00 KVA 1.00 0.00 KVA  
 S SPARE 0.00 KVA 0.00 0.00 KVA  
 X SPACE 0.00 KVA 0.00 0.00 KVA

TOTAL CONNECTED LOAD: 10.78 KVA TOTAL DEMAND LOAD: 10.78 KVA  
 TOTAL DEMAND CURRENT: 28.9 AMPS

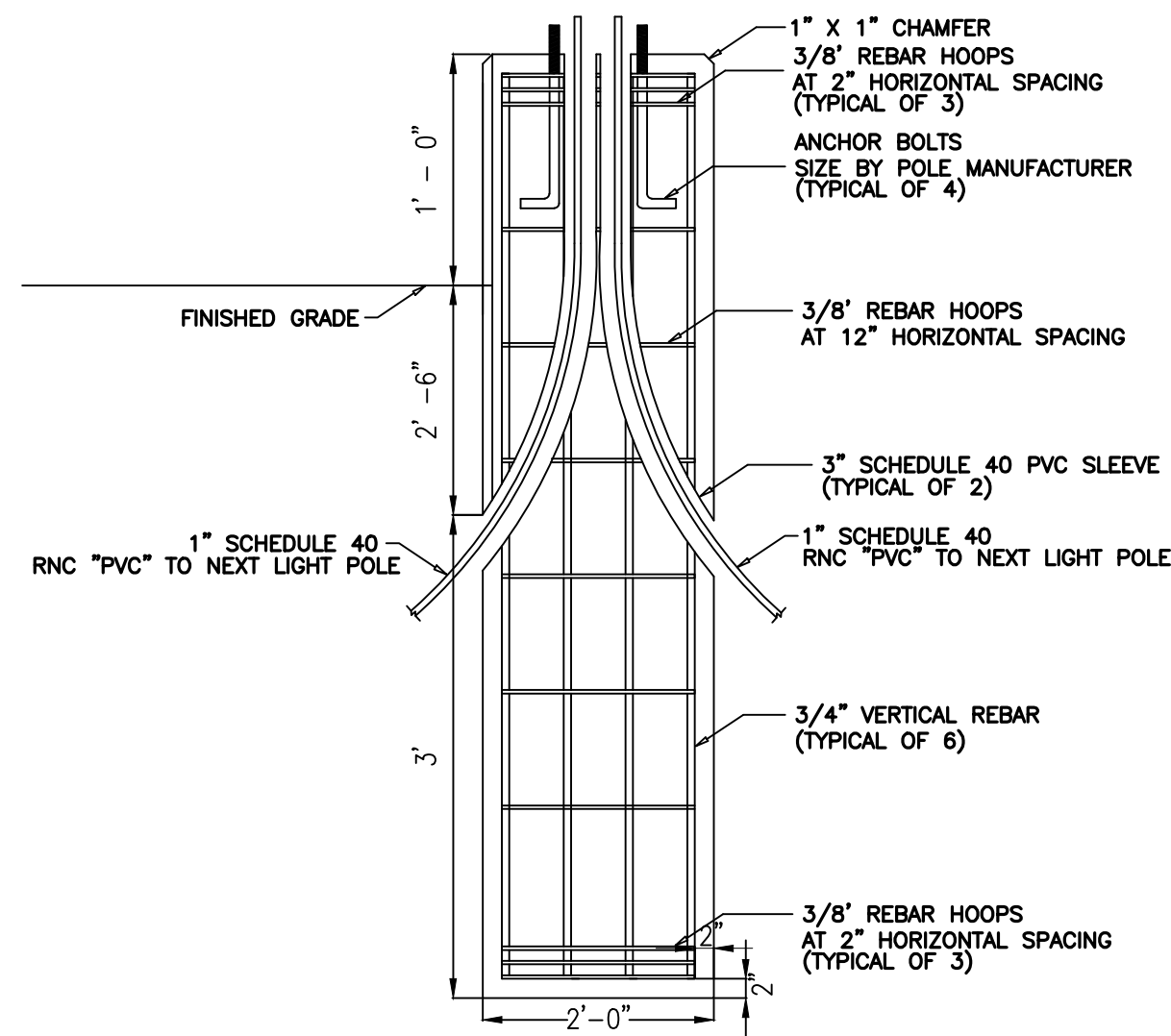
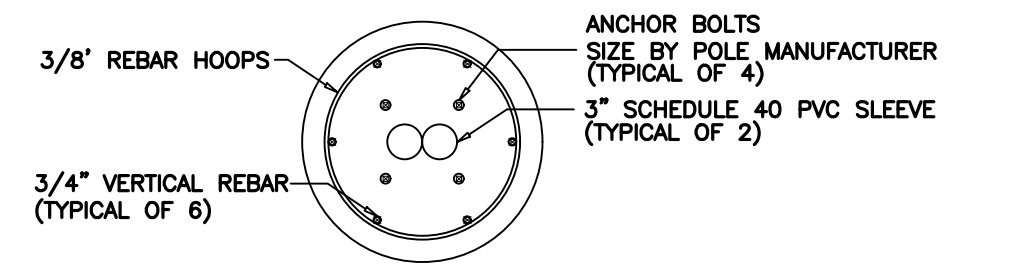
**AVANT GARDENS**  
 360 VETERANS PARKWAY  
 NEW LENOX, IL 60451

**ELECTRICAL RISER DIAGRAM AND SCHEDULES**



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**E5.0**



**2 PRECAST FOUNDATION DETAIL**

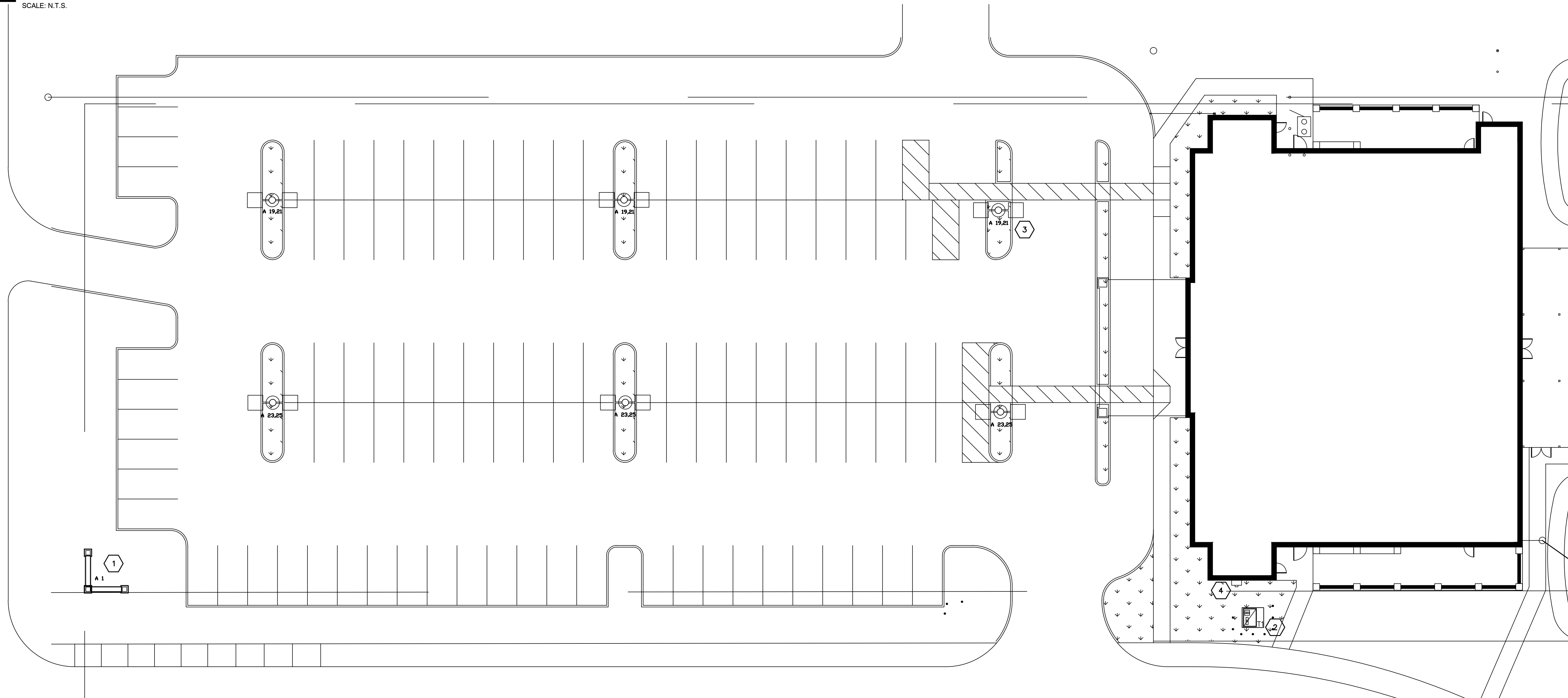
SCALE: N.T.S.

**GENERAL NOTES:**

1. INSTALLATION SHALL COMPLY WITH THE 2017 NEC AND LOCAL AMENDMENTS.

**KEY NOTES:**

- 1 PROVIDE ONE 120V, 20A CIRCUIT TO POWER MONUMENT SIGN.
- 2 PROPOSED LOCATION FOR PAD MOUNTED UTILITY COMPANY TRANSFORMER. PROVIDE TWO EMPTY 4" PVC UNDERGROUND CONDUITS FOR PRIMARY CONDUCTORS. SEE RISER DIAGRAM FOR SECONDARY CONDUITS AND CABLES.
- 3 POLE MOUNTED LIGHT FIXTURE. PROVIDE PRECAST FOUNDATION. SEE DETAIL 2 ON THIS SHEET. TYPICAL OF 6.
- 4 LOCATION OF UTILITY METER AND MAIN DISCONNECT. SEE RISER DIAGRAM FOR DETAILS.



**1 SITE ELECTRICAL PLAN**

SCALE: 1/16" = 1'

**AVANT GARDENS**  
360 VETERANS PARKWAY  
NEW LENOX, IL 60451

SITE ELECTRICAL PLAN

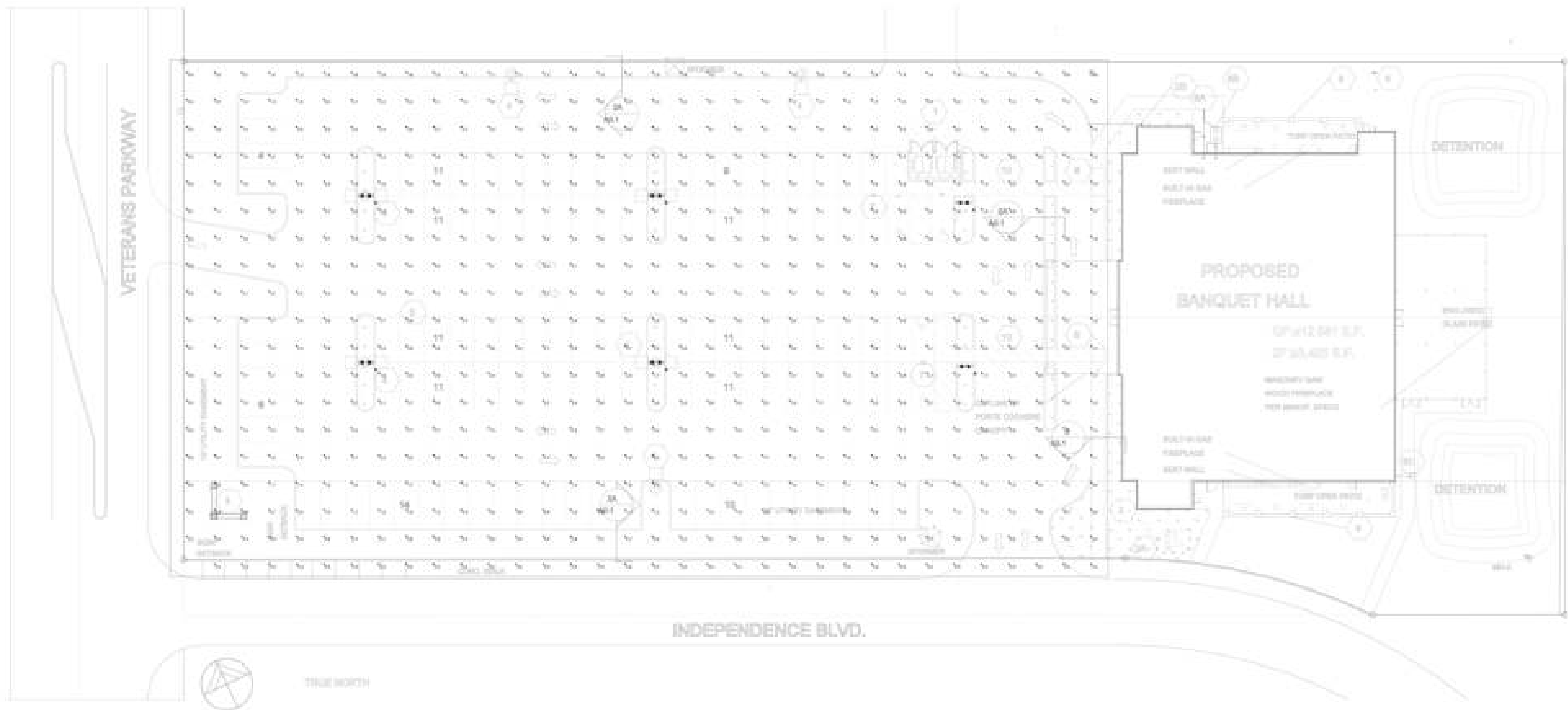


*B. Kaczor*

ISSUED:  
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1/16" = 1'

**E6.0**



**Statistics**

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #1	■	2.1 fc	4.6 fc	0.2 fc	23.0:1	10.5:1

**NOTES:**  
 1. CALCULATION POINT WORK PLANE: 0' AFF  
 2. FIXTURE MOUNTING HEIGHT: 20'-0" AFF  
 3. SURFACE REFLECTANCES: 50  
 4. CALCULATIONS PROVIDED ARE NOT A GUARANTEE OF PERFORMANCE.  
 ACTUAL LIGHT LEVELS MAY VARY.\*\*

# 1 PHOTOMETRIC

N.T.S.

**GENERAL NOTES:**  
 1. ALL SITE LIGHTING SHALL ABIDE TO THE CURRENT STANDARDS OF THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA).

LIGHTING FIXTURE SCHEDULE							
TAG	FIXTURE DESCRIPTION	MANUFACTURER AND CATALOG NO.	LUMENS	VOLTAGE	VA	MOUNTING	REMARKS
A	SUN VALLEY LIGHTING DECORATIVE POST TOP LIGHT POLE, TWIN HEAD	HEAD: LCLS-D/PA-V/64LED/700mA/40K/CPA POLE: 17-1070 (BLACK) ARM: XPM-2-180/RAL-9005-T	2 x 254	208	2 x 276	POST	POLE, ARM & HEAD FINISH: BLACK

**AVANT GARDENS**  
 360 VETERANS PARKWAY  
 NEW LENOX, IL 60451

PHOTOMETRIC



ISSUED:  
 10-11-24 FOR PERMIT

N.T.S.

E7.0

**PIPING INSULATION NOTES**

**SCOPE:**  
FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID. PROVIDE PIPING INSULATION ON NEW AND EXISTING PIPING AS REQUIRED BY CONSTRUCTION DOCUMENTS. REPAIR OR REPLACE EXISTING PIPING INSULATION WITHIN PROJECT AREA AS REQUIRED.

PIPING INSULATION IS REQUIRED AT NEW AND EXISTING PLUMBING PIPING INCLUDING: ALL DOMESTIC HOT WATER, EXPOSED DOMESTIC COLD WATER, DOMESTIC COLD WATER AGAINST AN EXTERIOR WALL, HVAC PIPING & CONDENSATE LINES/DRAINS, INTERIOR HORIZONTAL AND VERTICAL ROOF DRAIN PIPING & INTERIOR ROOF DRAIN BODY.

**SPECIFICATIONS:**

- A. PIPING (ABOVE FINISHED FLOOR) SHALL BE COVERED WITH ARMACELL AP/ARMAFLEX PIPE INSULATION IN ACCORDANCE WITH ASTM C-934, GRADE 1, TYPE 1 FOR TUBULAR MATERIALS AND GRADE 1, TYPE II FOR SHEET MATERIAL. MINIMUM PIPE INSULATION THICKNESS (PER IECC TABLE C403.11.3) AS FOLLOWS:
  - 1/2" INSUL. ON H.V. 1/2" PIPE OR LARGER.
  - 1" INSUL. ON H.V. 1/2" PIPE OR SMALLER.
  - 1" INSUL. ON EXPOSED C.M. 1/2" PIPE OR LARGER.
  - 1/2" INSUL. ON EXPOSED C.M. 1/2" PIPE OR SMALLER.
  - 1/2" MIN. ON ALL OTHERS UNLESS NOTED OTHERWISE.
- B. ALL JOINTS SHALL BE SEALED WITH APPROVED MANUFACTURER'S ADHESIVE.
- C. ACCEPTABLE ALTERNATE MANUFACTURER: KOOLPHEN K CFC FREE PHENOLIC FOAM OR AEROCEL (BY AEROFLEX INTERNATIONAL CO.) CLOSED CELL ELASTOMERIC THERMAL INSULATION.
- D. FIBERGLASS PIPE INSULATION, RIGID (NOT WRAP TYPE), ONE INCH THICK WITH BUILT-IN VAPOR BARRIER MAY BE USED IN LIEU OF ARMACELL PRODUCT SPECIFIED ON ALL PIPING EXCEPT HOT WATER 1/2" PIPE OR LARGER. ACCEPTABLE MANUFACTURERS ARE ARMSTRONG, CERTANTEED, JOHNS-MANSVILLE, KNAUF, AND OWENS-CORNING.
- E. FLAME SPREAD SHALL BE 25 OR LESS. SMOKE DEVELOPED SHALL BE 50 OR LESS.
- F. INSTALL MATERIALS IN ACCORDANCE W/ THE MANUFACTURER'S INSTRUCTIONS.

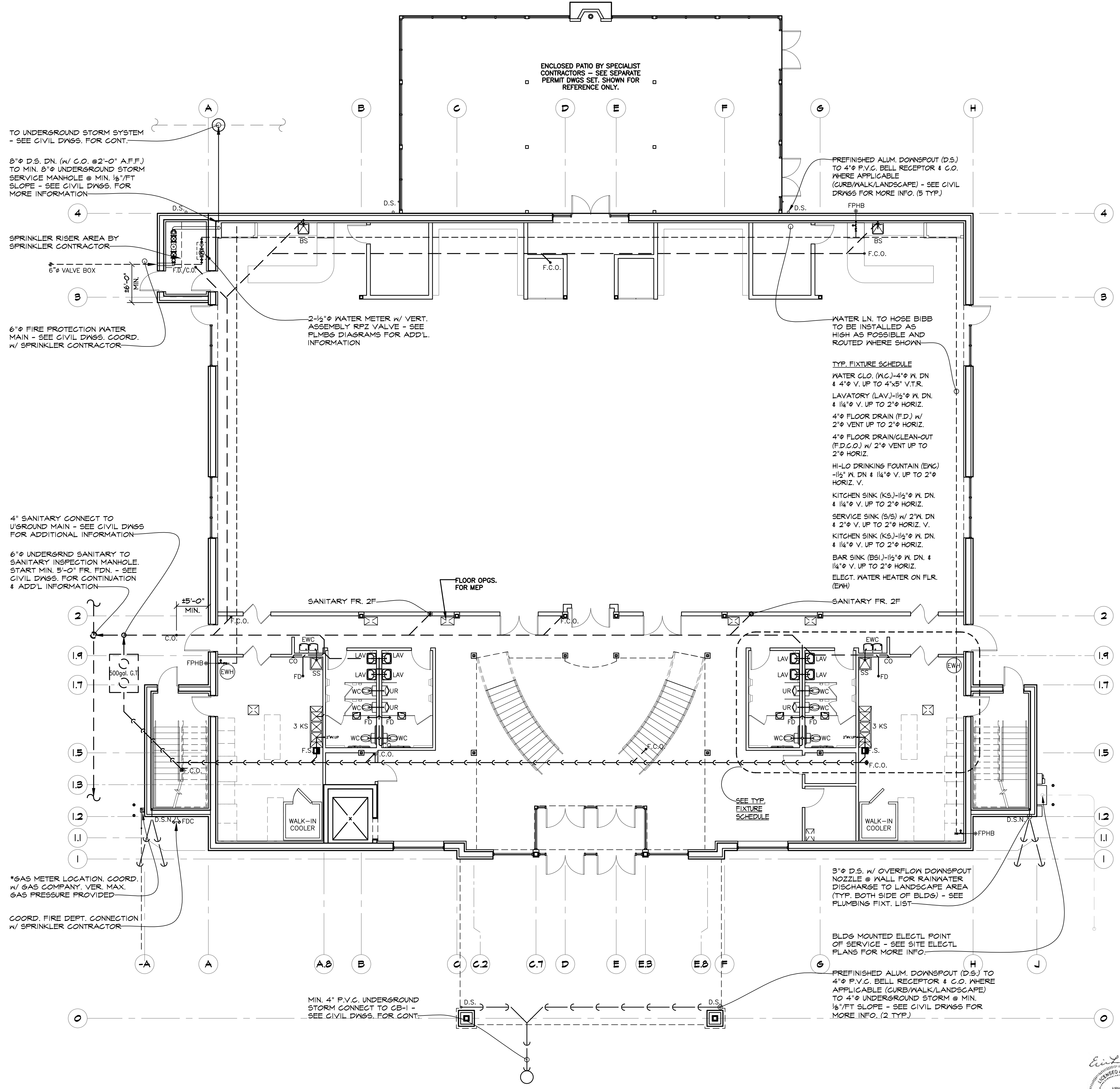
**PLUMBING NOTES**

- 1. TOILET ROOM LAVATORIES SHALL BE EQUIPPED W/ A TEMPERING VALVE W/ MAX. SETTING OF 110 DEGREES.
- 2. LAVATORY FIXTURES SHALL BE SELF-METERING W/ 0.5 GPM FLOW RESTRICTOR
- 3. HOT WATER PIPES & DRAIN PIPES TO BE WRAPPED & INSULATED UNDER THE LAVATORIES PER ADA STANDARDS.
- 4. ALL SHARP OR ABRASIVE SURFACES UNDER LAVATORIES TO BE PROTECTED FROM CONTACT.
- 5. SEE PLUMBING PLAN, ELEVATIONS, SCHEMATIC DIAGRAMS AND PLUMBING FIXTURE LIST FOR ADDITIONAL INFORMATION ON PLUMBING FIXTURES AND ACCESSORIES USED.
- 6. ALL FIXTURES AND ACCESSORIES TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT.

**ACCESSIBILITY NOTES**

- SINGLE USER TOILET ROOM DESIGN MUST FULLY COMPLY W/ ICC/ANSI SECTION 604.3 FOR CLEAR FLOOR SPACE.
- CONTROLS AND OPERABLE COMPONENTS TO COMPLY W/ ICC/ANSI SECTION 309 AND BE BETWEEN 15" AND 48" A.F.F.
- LAVATORIES TO COMPLY W/ ICC/ANSI SECTION 606.
- FLUSH HANDLES ON HDGP TOILET TANKS TO BE ON THE WIDE SIDE OF THE STALL OR ROOM.
- MIRROR INSTALLATION TO COMPLY W/ ICC/ANSI SECTION 603.3.
- GRAB BARS TO COMPLY W/ ICC/ANSI FIGURES 604.5.1 & 604.5.2.
- ELECTRIC WATER COOLER TO COMPLY W/ ICC/ANSI SECTION 602.
- PROVIDE AN ADA COMPLIANT "UNISEX" RESTROOM SIGN TO COMPLY W/ ICC/ANSI SECTION 703 MOUNTED OUTSIDE RESTROOMS WITHIN 6" OF LATCH SIDE OF DOOR FRAME AND 60" FROM THE FLOOR TO THE CENTERLINE OF THE SIGN.

TOILET ACCESSORIES	
GRAB BARS:	BOBRICK B-590x36", B-590x48" & B-590x18" SERIES W/ SATIN FIN.
MIRROR:	BOBRICK B-165 1824
TOILET PAPER DISPENSER:	BOBRICK B-264 CLASSIC W/ SATIN FIN.
PAPER TOWEL DISPENSER:	BOBRICK B-283
SOAP DISPENSER:	BOBRICK B-2111 CLASSIC SERIES
PLUMBING FIXTURE LIST	
ALL FIXTURES SHALL MEET WATER CONSERVATION RATES OF THE ILLINOIS PLUMBING CODE. THE FOLLOWING FIXTURE LIST IN GENERAL, INDICATES THE PLUMBING WARE & SUPPLY FIXTURES ONLY. ALL FIXTURES SHALL BE FURNISHED W/ APPLICABLE ACCESSORIES & TRIM SUCH AS STOPS, FLOW CONTROLS, WASTE AND TRAPS, WATER COSET SEATS AND FIXTURE SUPPORTS, ALL AS REQ'D.	
WATER CLOSET (WC):	KOHLER HIGHLINE K-3414 W/ K-4751 STRONGHOLD ELEGANT OPEN FRONT TOILET SEAT FOR ACCESSIBILITY COMPLIANT. SEAT: WHITE
LAVATORY (LAV):	KOHLER REVE K-5026 PEDESTAL WHITE.
LAV FAUCET:	GROHE ITALIA 20 842 LAVATORY WIDSEET VOLO HANDLES, ENO 000 STARLIGHT CHROME.
SERVICE SINK (SS):	MUSTEE #18F OR EQUAL W/ CHICAGO FAUCET #841-L6BVB-E2.
DRINKING FOUNTAIN (ENC):	ELKAY MODEL No#EZSTLDDG, HI-LO HANDICAPPED OR APPROVED EQUAL. INSTALL PER CODE REQUIREMENT.
ELEC. WTR. HEATER (EWH):	MIN. 20 GALS. CAP. ELECTRIC WTR. HTR. BY RUUD No. EG6P6/5KWH-120/208V-IP OR APPROVED EQUAL W/ ADJUSTABLE SET POINT & INTEGRAL HEAT TRAPS & 8" OF 1/2" PIPE INSUL. (2880 max. per 1000/112-0607) ON BOTH INLET & OUTLET LINES. MOUNT 84" A.F.F. ABOVE SERVICE SINK.
FROST PROOF HOSE BIBB (FPHB):	WOODFORD SERIES 65 OR APPROVED EQUAL. KEY-OPERATED, NON-FREEZE.
FLOOR DRAIN (FD):	ZURN ZN 415-B-P OR OR APPROVED EQUAL. 1/2" TRAP PRIMER CONNECTION. 2"X 2" V. COMB. WASTE/VENT.
CLEAN OUT-INTERIOR (CO):	JAY R SMITH 4100 OR APPROVED EQUAL. W/ CARRIER CLAMPING RING WHERE REQUIRED. SAME SIZE AS LINE SERVED.
CLEAN OUT-EXTERIOR (ECO):	JAY R SMITH 4250 OR APPROVED EQUAL. SAME SIZE AS LINE SERVED.
DOWNSPOUT NOZZLE (D.S.N.):	63" DOWNSPOUT NOZZLE BY JAY-R SMITH #1T184-B5 (OR APPROVED EQUAL) @ WALL BASE, 12" A.F.F., CAST-BRONZE NOZZLE AND FLANGE W/ BIRD SCREEN.
FLOOR DRAIN CLEANOUT (FD/CO):	CAST IRON F.D. W/ FLANGE INTEGRAL CLAMPING COLLAR, SEEPAGE O-RINGS, 1/2" PLUGGED PRIMER TAP & ADJUSTABLE 6"x6" NICKEL BRONZE STRAINERS W/ VANDAL PROOF SCREWS BY MADE/ZURN OR APPROVED EQUAL.
KITCHEN SINK (KS):	MUSTEE #18F OR EQUAL W/ CHICAGO FAUCET #841-L6BVB-E2.
BAR SINK (BS):	ELKAY MODEL No#EZSTLDDG, HI-LO HANDICAPPED OR APPROVED EQUAL. INSTALL PER CODE REQUIREMENT.
HOT WATER REGIC. PUMP:	BELL & GOSSETT #6050B4000 W/ BATT. OPERATED PAIRED VALVE
FLOOR SINK (FS):	12"x12" 3/5 W/ 1/2" GRATE, SEDIMENT BASKET & BEEHIVE STRAINER BY MADE/ZURN OR APPROVED EQUAL.
GREASE TRAP (GT):	500 GAL. CAPACITY 2-BASIN COMPARTMENT W/ HEAVY DUTY COVER FLUSH. - SEE CIVIL DWGS. FOR MORE INFORMATION.
SEE ALL DWGS. FOR ADDITIONAL ITEMS INCLUDING RPZ, BOOSTER PUMP, SUBMETES, ETC.	



**GROUND FLOOR PLUMBING PLAN**

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



**REVISIONS**

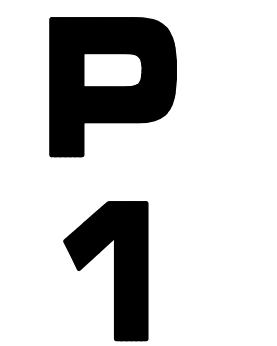
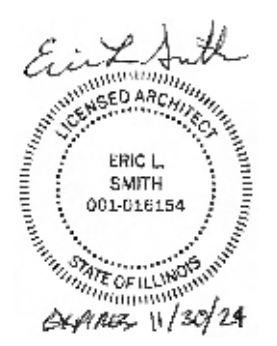
NO.	DATE	DESCRIPTION
1	10/17/2024	FOR COORDINATION
2	10/17/2024	FOR BIDDING
3	10/17/2024	FOR PERMIT
4		NOT FOR CONSTRUCTION
5		NOT FOR CONSTRUCTION

**KMA & ASSOCIATES, ARCHITECTS**  
 2205 LAKESIDE DRIVE  
 BANNOKESBURN, ILLINOIS 60015-1265  
 (847)945-6869 FAX (847)945-0284

**PROPOSED**  
**AVANT GARDENS - BANQUET HALL**  
 370 VETERANS PARKWAY, NEW LENOX, ILLINOIS  
 FOR: UNLIMITED MASONRY AND CONSTRUCTION, INC.

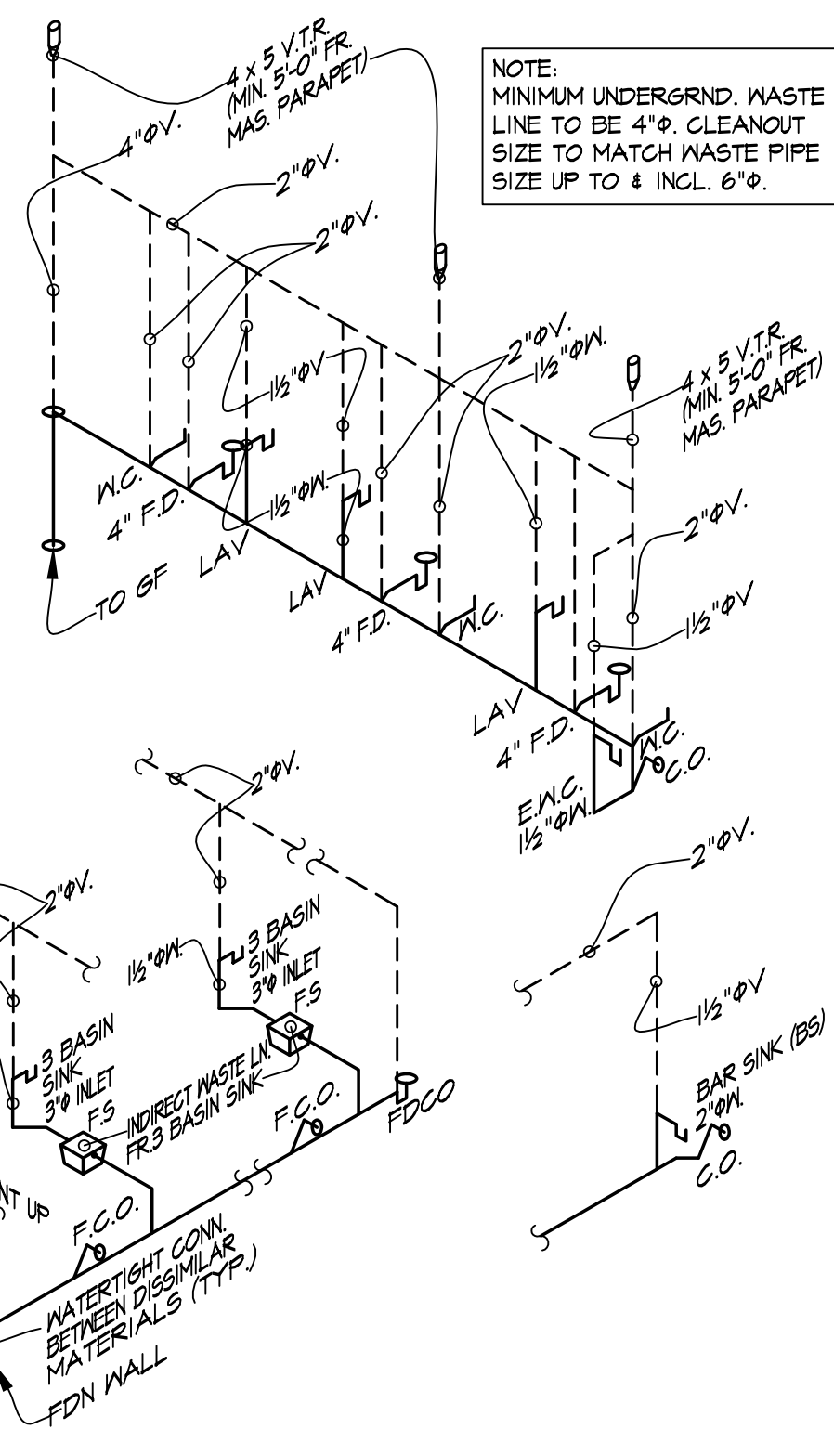
**SHEET TITLE**  
 PLUMBING PLAN  
 SCHEMATIC DIAGRAMS  
 & DETAILS

**2428**



**GENERAL WASTE/VENT NOTES**

- ALL UNDERGROUND WASTE PIPING TO BE 4" MIN. CAST IRON OR SCHED. 40 SOLID WALL PVC AS LOCAL CODE ALLOWS & ALL INTERIOR ABOVE-GROUND WASTE & VENT PIPING SHALL BE SCHED. 40 SOLID WALL PVC. CELLULAR CORE PVC IS NOT ALLOWED. ALL CLEANOUTS SHALL BE SAME SIZE AS PIPE SERVED.
- ALL P-TRAPS TO BE THE SAME SIZE AS THE FIXTURE OPENING.
- NOT USED
- DOUBLE COMBO WYE 1/2 BENDS SHALL BE LIMITED WHERE AND HOW TO BE INSTALLED. CONSULT PLUMBING INSPECTOR BEFORE STARTING WORK.



**SCHEMATIC WASTE/VENT DIAGRAM**

SCALE: NONE

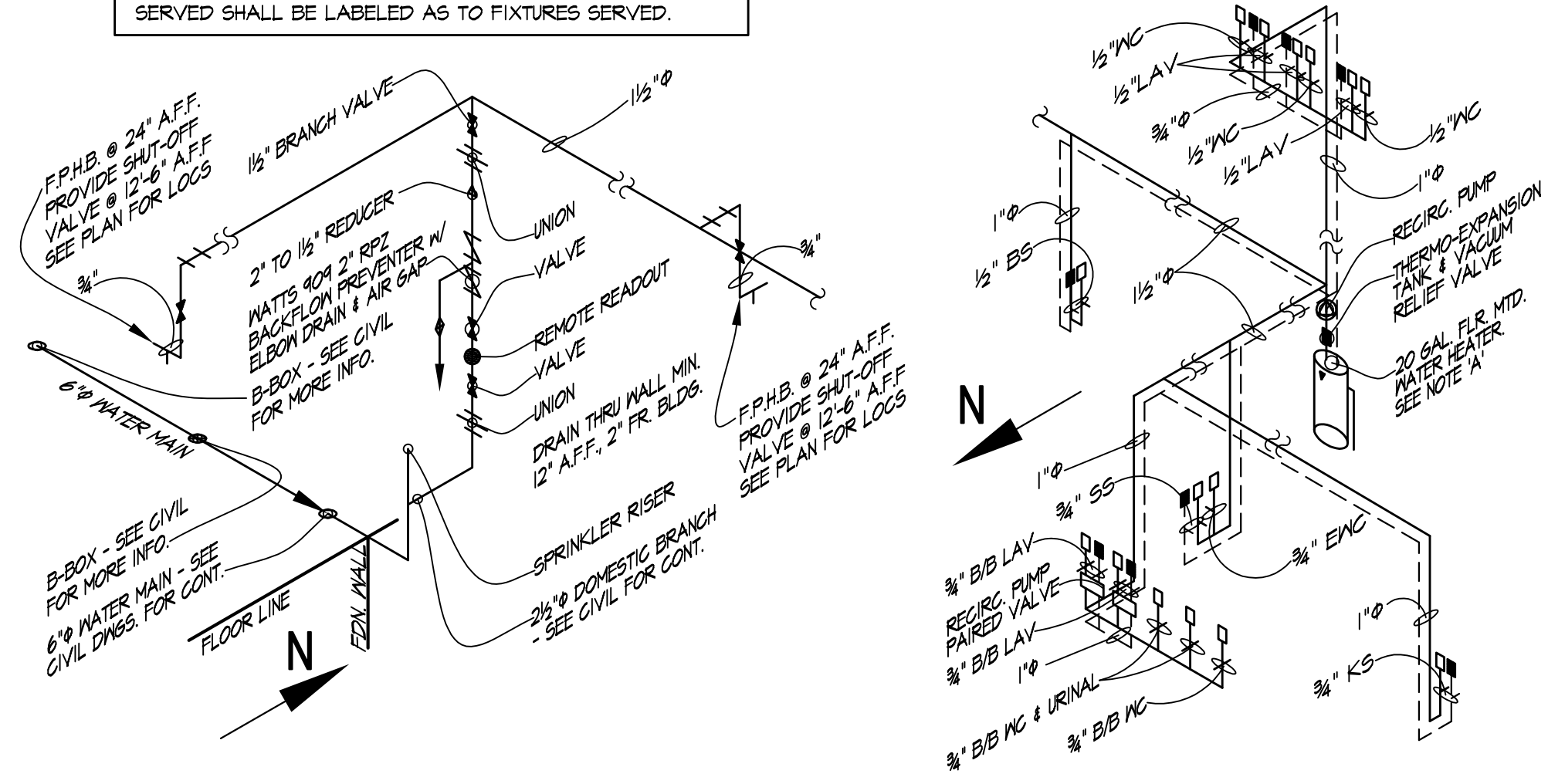
**DOMESTIC WATER BOOSTER PUMP NOTES:**  
 IDPH REVIEW & APPROVAL OF BOOSTER PUMP SYSTEM REQUIRED, BEFORE FINAL ORDER OR INSTALL. PLUMBER TO SUBMIT THE FOLLOWING TO ARCHITECT FOR IDPH REVIEW:  
 -PUMP CURVES, CUTS, SUPPORTING INFORMATION, ETC.  
 -NSF/ANSI 61 DRINKING WATER CERTIFICATION  
 -NSF/ANSI 372 LEAD FREE CERTIFICATION

ALTERNATE SKID MOUNTED PACKAGE MANUFACTURER INCLUDING AQUAMARK/H.O.K., MAY BE ALLOWED.

**NOTE "A"**  
 WATER HEATER AS SIZED W/ TEMP & PRESSURE RELIEF VALVE AND CATCH PAN DRAIN PIPE TO EMPTY INTO FLOOR DRAIN BELOW. PROVIDE A THERMO-EXPANSION TANK AND VACUUM RELIEF VALVE ON THE COLD WATER INLET TO THE WATER HEATER.  
 NOTE: ALL SHUT-OFF VALVES NOT ADJACENT TO FIXTURES SERVED SHALL BE LABELED AS TO FIXTURES SERVED.

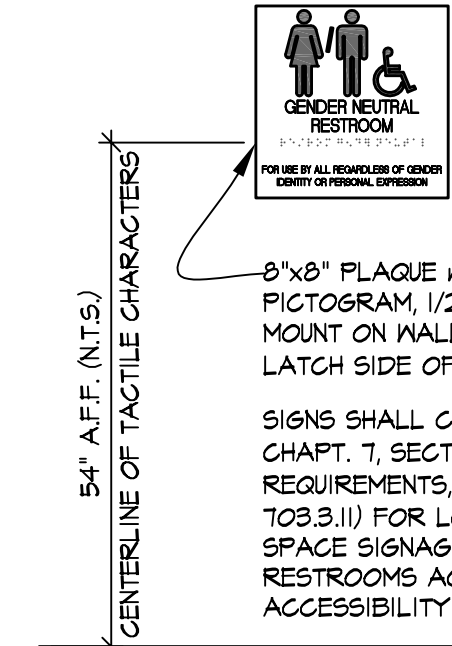
**GENERAL SUPPLY NOTES**

- ALL FROST PROOF HOSE BIBBS & WATER SUPPLY FAUCETS EQUIPPED W/ A HOSE BIBB CONNECTION & SHALL HAVE AN INTEGRAL ANTI-BACKFLOW ANTI-SIPHON DEVICE.
- INSTALL SHUTOFF VALVES AT ALL FIXTURES.
- INSULATE ALL WASTE AND SUPPLY PIPING BELOW LAVATORIES PER A.D.A. & I.A.C. REQUIREMENTS. HANDICAP TOILETS W/ FLUSH CONTROLS TO BE MOUNTED ON WIDE SIDE OF TANK MAX. 44" A.F.F.
- ALL DOMESTIC WATER SUPPLY LINES TO BE TYPE "K" OR "L" COPPER. TYPE "M" IS NOT ALLOWED.
- PROVIDE ISOLATION VALVES ON SUPPLY PIPING.
- ALL BRANCH SUPPLY VALVES LOCATED IN EACH TENANT SPACE SHALL BE EQUIPPED W/ PADLOCK DEVICE.
- PLUMBING CONTRACTOR SHALL VERIFY REQUIRED SUB-METERS SIZES AS REQUIRED BY LOCAL ORDINANCE.

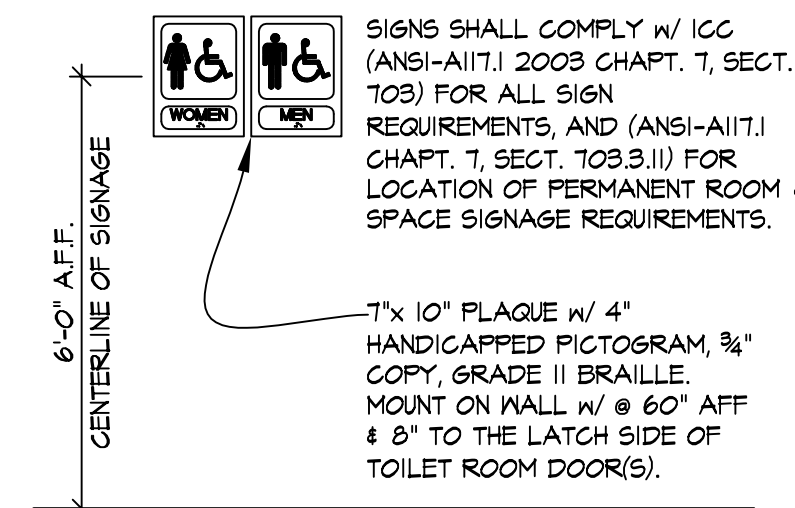


**SCHEMATIC SUPPLY DIAGRAM**

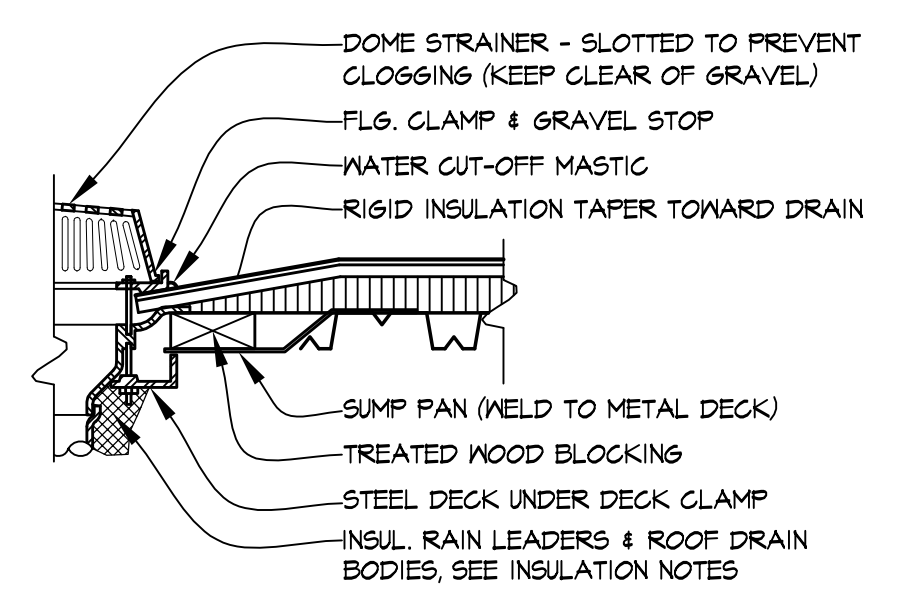
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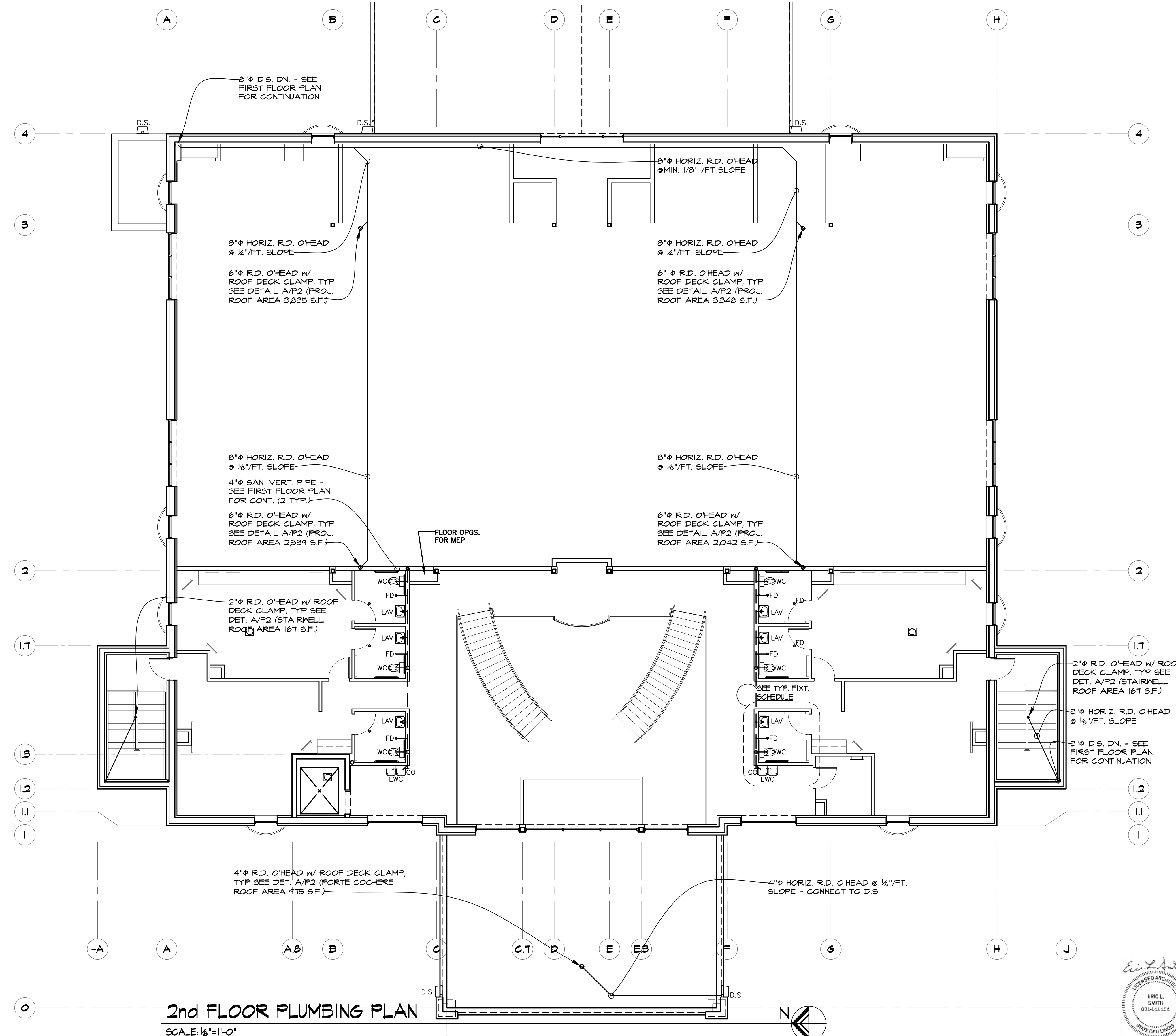
**ADA SIGNAGE B1**  
 SCALE: 3/4"=1'-0"



**ADA SIGNAGE B**  
 SCALE: 3/4"=1'-0"



**ROOF DRAIN A**  
 SCALE: 1-1/2"=1'-0"



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

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NOT FOR CONSTRUCTION	10/17/2024
FOR PERMIT	10/17/2024
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**SHEET TITLE**  
 2F PLUMBING PLAN  
 NOTES & DETAILS  
 SCHEDULES  
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