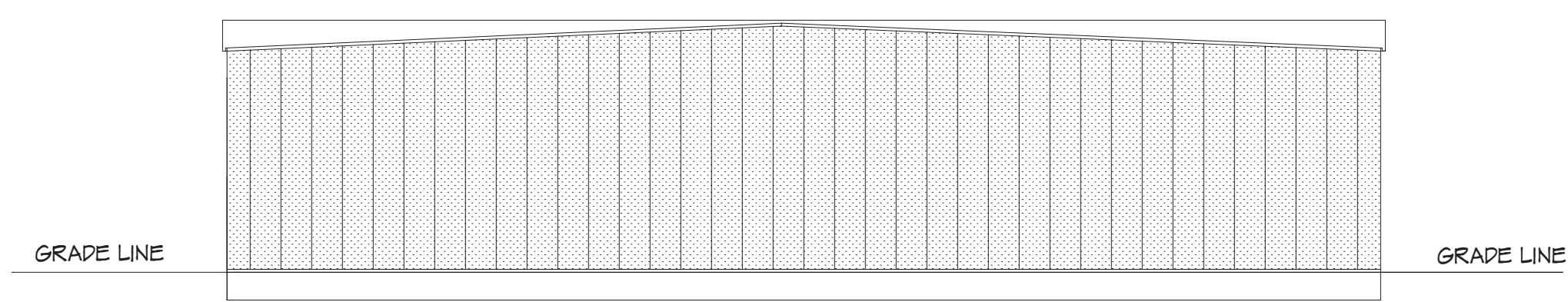
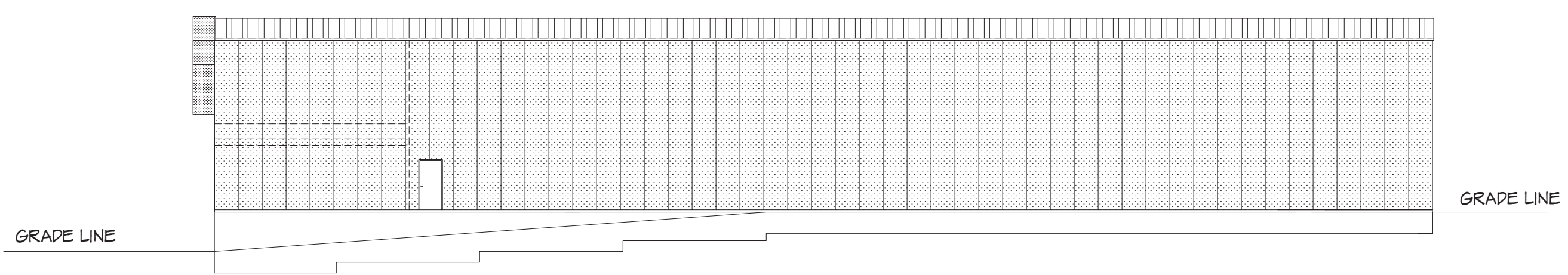


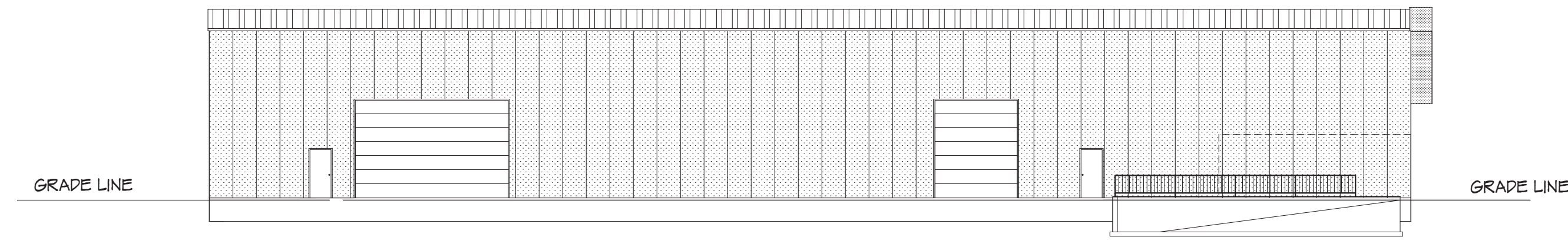
**FRONT ELEVATION**  
1/8" = 1'-0"



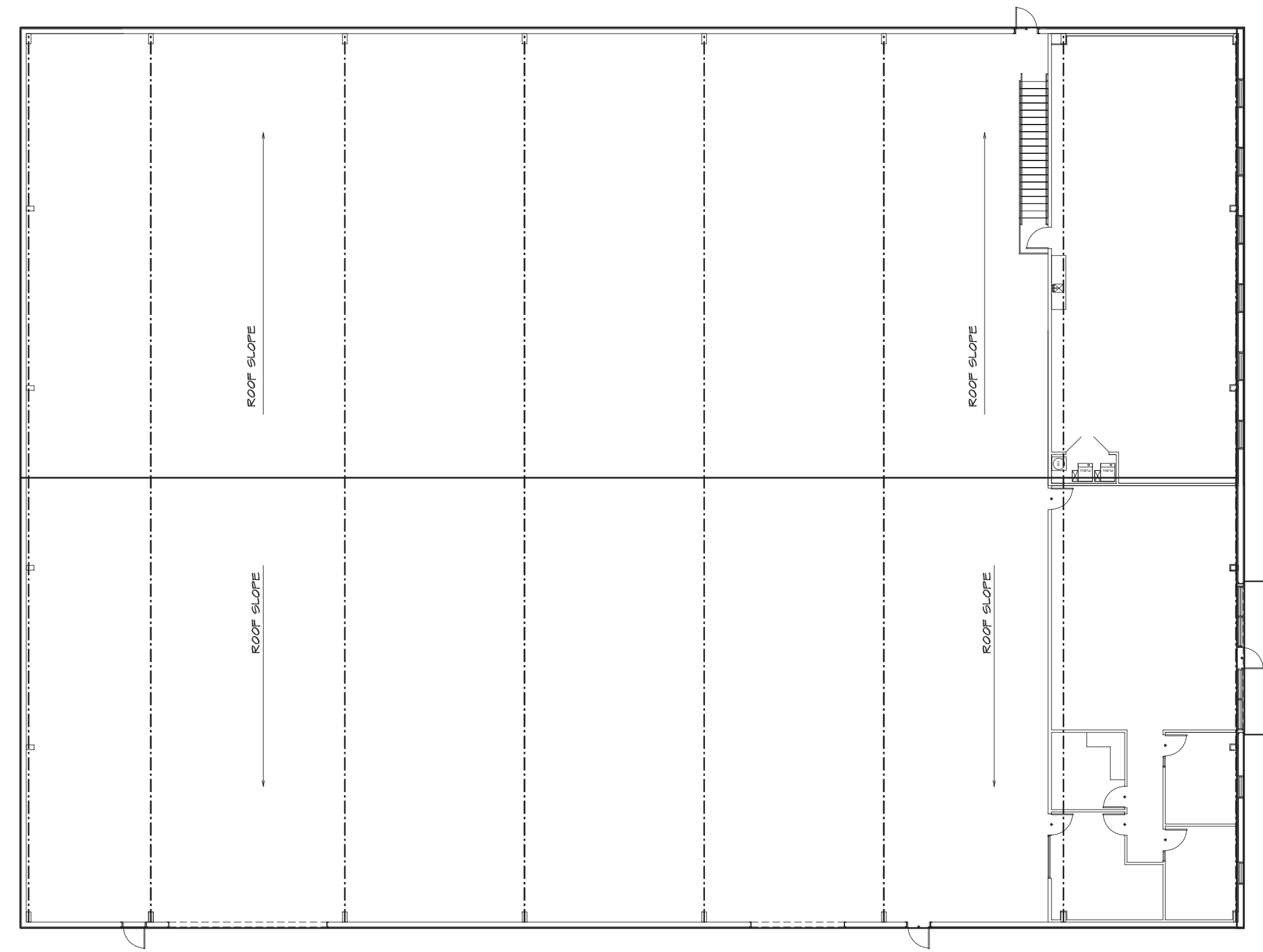
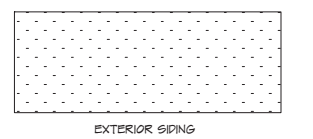
**REAR ELEVATION**  
1/16" = 1'-0"



**RIGHT ELEVATION**  
1/16" = 1'-0"



**LEFT ELEVATION**  
1/16" = 1'-0"



**ROOF ELEVATION**  
1/16" = 1'-0"

**COPE NOTES**

ALL CONSTRUCTION FOR THIS PROJECT SHALL CONFORM TO THE REQUIREMENTS OF THE FOLLOWING CODES UNLESS OTHERWISE NOTED:  
 IBC 2018 INTERNATIONAL BUILDING CODE  
 IBC 2018 INTERNATIONAL MECHANICAL CODE  
 IBC 2018 INTERNATIONAL PLUMBING CODE  
 IBC 2018 INTERNATIONAL FIRE AND SAFETY CODE  
 IBC 2018 INTERNATIONAL ENERGY EFFICIENCY CODE  
 IBC 2018 INTERNATIONAL ELECTRICAL CODE  
 IBC 2018 INTERNATIONAL ACCESSIBLE AND UNIVERSAL BUILDING AND FACILITIES ACT  
 IBC 2018 INTERNATIONAL DEVELOPMENT CODE  
 IBC 2018 INTERNATIONAL OCCUPANCY CLASSIFICATION (FURNITURE) GROUP S-II  
 IBC 2018 INTERNATIONAL SCHEDULE 405  
 TYPE OF CONSTRUCTION (SIC 3492 TYPE V-B)  
 AUTOMATIC OPERABLE WINDOW - FULLY OPERABLE (DESIGNED BY OTHER)  
 TYPICAL AREA - OFFICE - 100 PSF  
 TYPICAL AREA - OFFICE - 100 PSF  
 OCCUPANT LOAD (TABLE 104.1)  
 OFFICE: 100 PSF  
 MECHANICAL: 100 PSF  
 PLUMBING REQUIREMENTS (TABLE 104.1)  
 WATER CLOSURE - (CLASS) PER IMF - 1  
 WASTE CLOSURE - (CLASS) PER IMF - 1  
 WASTE CLOSURE - (CLASS) PER IMF - 1  
 WASTE CLOSURE - (CLASS) PER IMF - 1  
 WASTE CLOSURE - (CLASS) PER IMF - 1  
 WASTE CLOSURE - (CLASS) PER IMF - 1



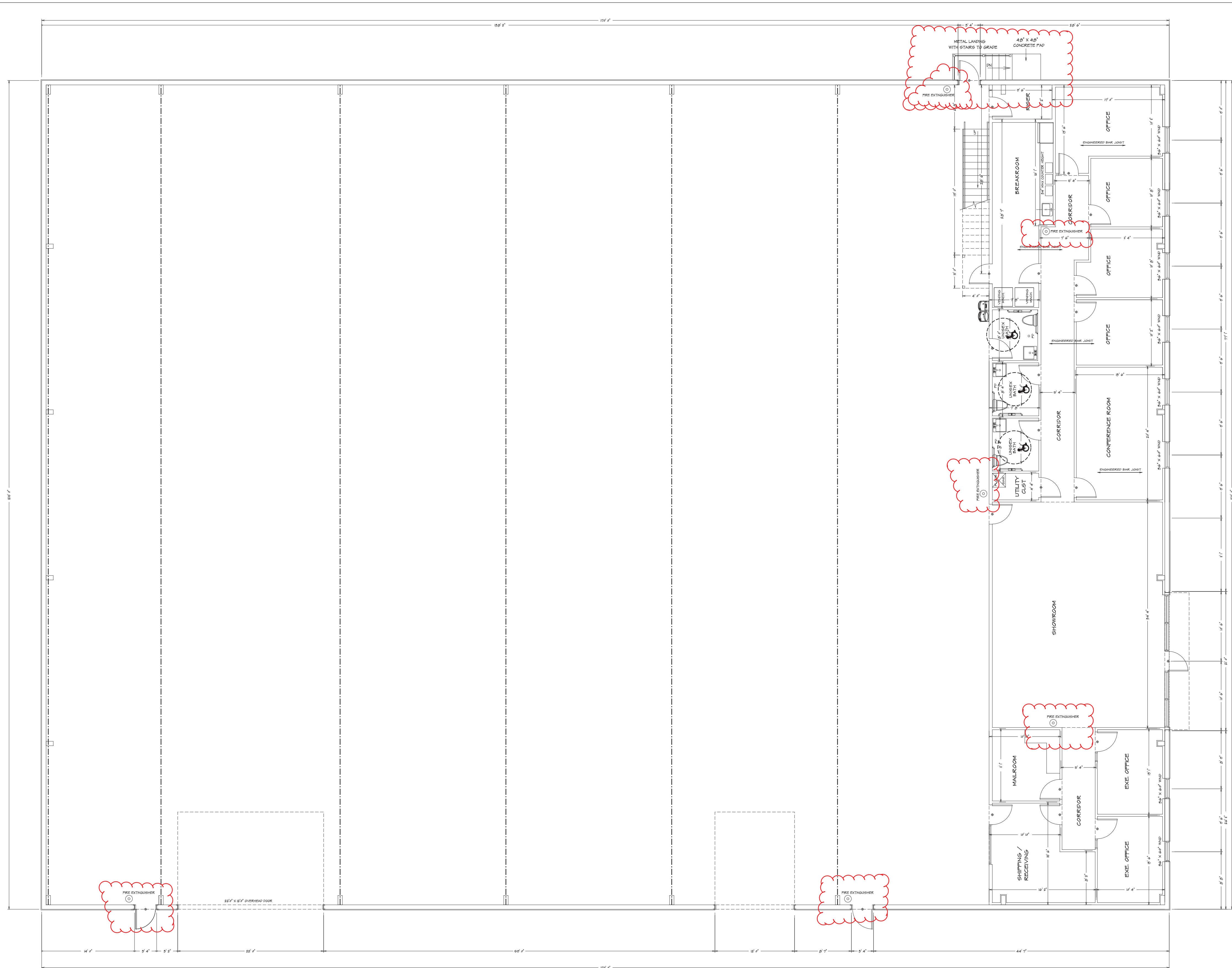
**GENERAL NOTES**

1. ALL DIMENSIONS UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS IN THE FIELD AND REPORT THE OWNER OF ANY DISCREPANCIES BEFORE PROCEEDING.
3. PROVIDER IS RESPONSIBLE FOR ALL FIELD AS REQUIRED FOR SUPPORT.
4. CONTRACTOR TO DESIGN, COORDINATE, INSTALL, ETC. ALL CABLES, CONDUITS, AND OTHER SERVICES WITH OWNER.
5. COORDINATE ALL FIELD, OFFICE, WALL, AND DOOR LOCATIONS WITH OWNER BEFORE CONSTRUCTION.
6. COORDINATE ALL FINISHES WITH OWNER.
7. PROVIDE FINE FINISHES AS REQUIRED BY FINE MATERIALS.
8. FIELD VERIFY ALL DIMENSIONS AND FINISH CONDITIONS.
9. CONTRACTOR TO COORDINATE WITH OWNER ON ALL ITEMS SUPPLIED AND APPROVED THE CONTRACTOR'S WORK.
10. NEW WALL CONSTRUCTION SHALL BE 24 GAUGE STEEL TRUCK AND BUILDING STUDIES SET 24" TO 48" BY 12" SYSTEM BOUND WALL STUDS SHALL BE DESIGNED IN ACCORDANCE WITH OTHER APPROVED AND AS SHOWN.
11. WALL COVERING IS PROVIDED BY OTHER TO HAVE THE JOB OTHER UNRENDERED SURFACE TO A HEIGHT NOT LOWER THAN 8' OFF.

**LOCATION PLAN / KEY PLAN**

DATE DRAWN:	DATE REVISED:	DATE REVISED:	DESIGNER:
PHONE:	PHONE:	LOT NO.:	
HOME BUYER:	BUILDER:	SUB-DIVISION:	
PLAN NO. COM-899	FILE NAME: 899.E27	SHEET NO. 1	APPROX. SQFT.

THE ARCHITECT'S RESPONSIBILITY IS LIMITED TO THE DESIGN OF THE BUILDING AS SHOWN ON THESE PLANS. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE MECHANICAL, ELECTRICAL, PLUMBING, OR OTHER SPECIALTY SYSTEMS. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE FOUNDATION, RETAINMENT, OR OTHER SPECIALTY SYSTEMS. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE INTERIOR FINISHES. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE EXTERIOR FINISHES. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE LANDSCAPE. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE SITEWORK. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE UTILITIES. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE TRANSPORTATION. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE ENVIRONMENTAL. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE HISTORIC. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE MONUMENTAL. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE MEMORIAL. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE MUSEUM. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE THEATRE. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE CONCERT HALL. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE STADIUM. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE ARENA. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE GYMNASIUM. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE COLLEGE. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE UNIVERSITY. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE HOSPITAL. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE CLINIC. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE LABORATORY. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE RESEARCH CENTER. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE MANUFACTURING PLANT. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE WAREHOUSE. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE DISTRIBUTION CENTER. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE STORAGE YARD. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE OFFICE BUILDING. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE RETAIL STORE. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE RESTAURANT. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE HOTEL. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE RESORT. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE COUNTRY CLUB. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE GOLF COURSE. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE PARK. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE ZOO. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE BOTANICAL GARDEN. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE MUSEUM OF ART. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE MUSEUM OF HISTORY. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE MUSEUM OF SCIENCE. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE MUSEUM OF NATURE. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE MUSEUM OF CULTURE. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE MUSEUM OF RELIGION. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE MUSEUM OF POLITICS. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE MUSEUM OF ECONOMY. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE MUSEUM OF SOCIETY. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE MUSEUM OF HUMANITY. THE ARCHITECT DOES NOT ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE MUSEUM OF THE FUTURE.



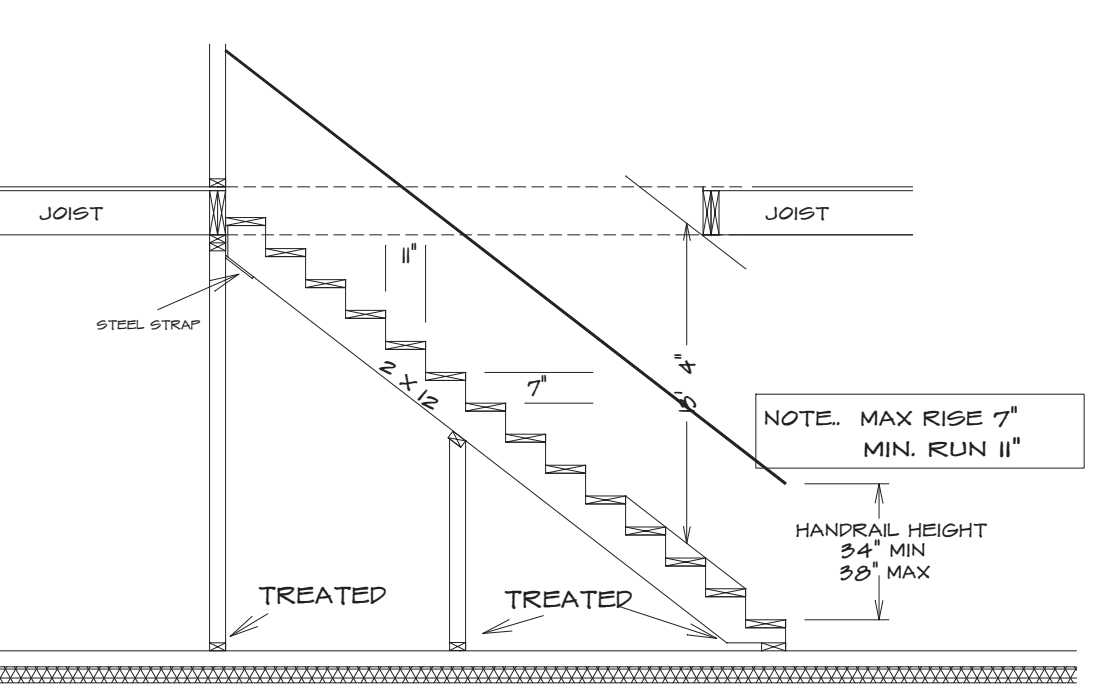
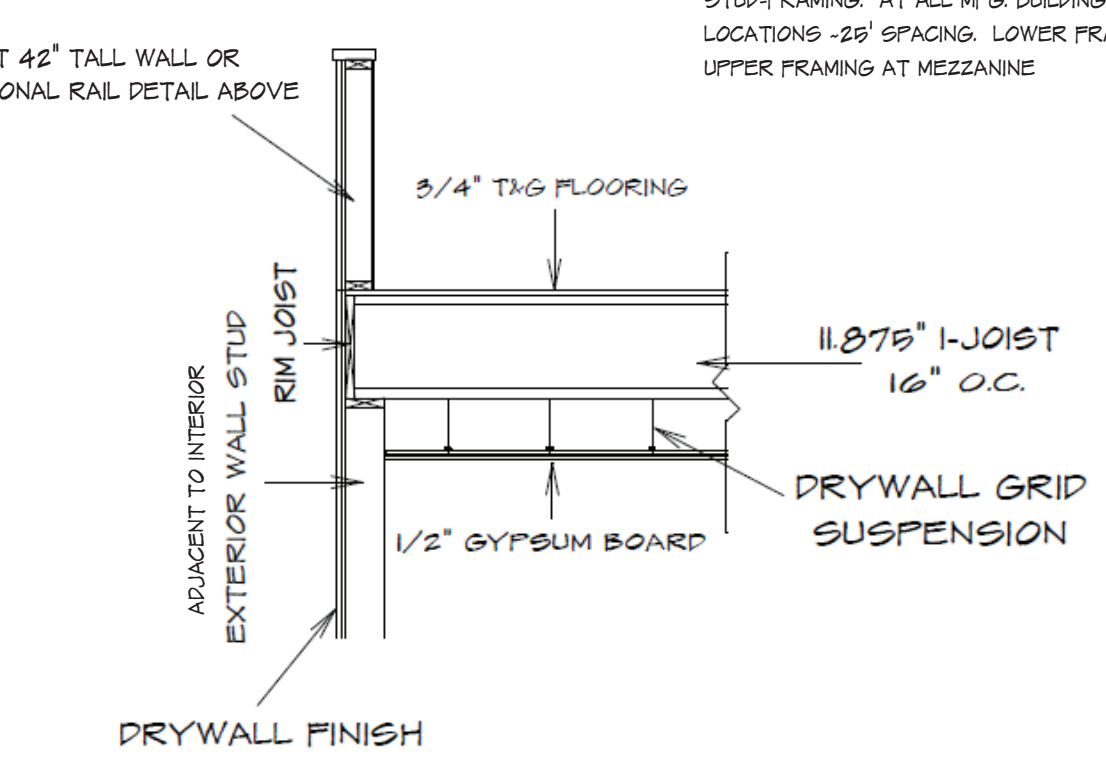
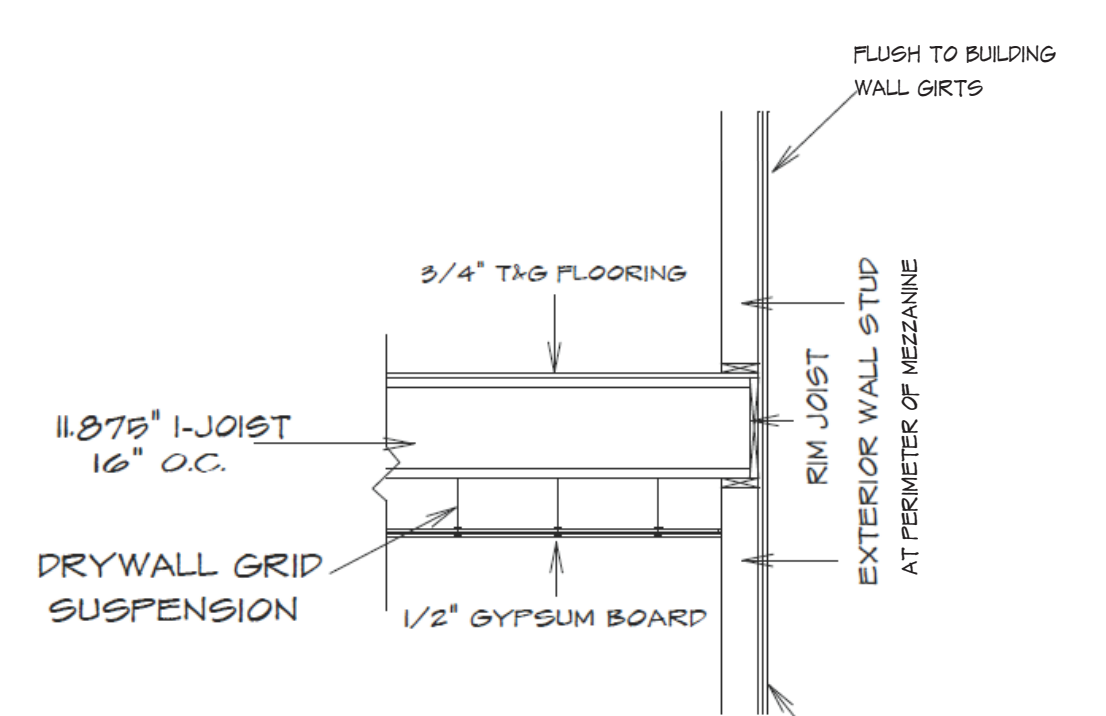
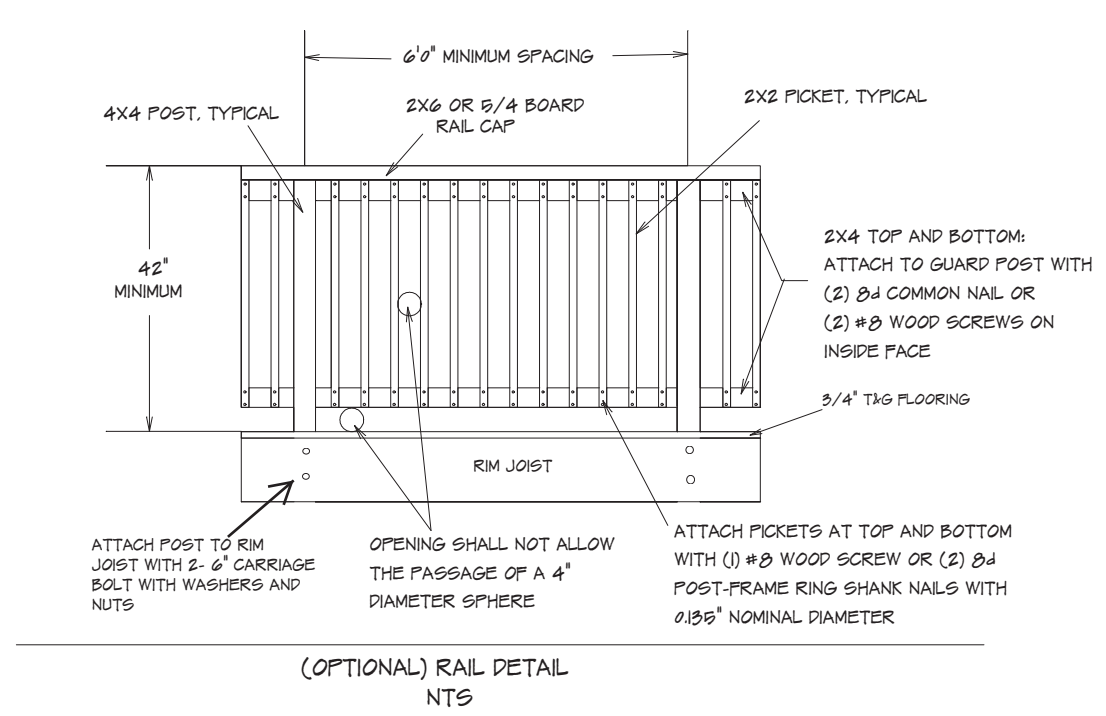
**FIRST FLOOR**  
 $1/8" = 1'-0"$

HANDICAP TOILET RM ELEVATIONS	GENERAL NOTES	MECH / ELEC / PLUMB NOTES
<p><b>GENERAL LAYOUT</b></p> <p><b>TOILET ROOM DIMENSIONS:</b>            TOILET: 5'-0" x 6'-0"            SINK: 2'-0" x 2'-0"            GRAB BARS: 1'-0" x 1'-0"            CLEARANCE: 6'-0" x 6'-0"</p> <p><b>NOTES:</b>            1. TOILET SHALL BE 5'-0" X 6'-0"            2. SINK SHALL BE 2'-0" X 2'-0"            3. GRAB BARS SHALL BE 1'-0" X 1'-0"            4. CLEARANCE SHALL BE 6'-0" X 6'-0"</p>	<ol style="list-style-type: none"> <li>ALL DIMENSIONS OF THE MECH, ELEC, AND PLUMBING SYSTEMS SHALL BE ON A DESIGN-BUILD BASIS BY THE GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.</li> <li>CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND REPORT THE OWNER OF ANY DISCREPANCIES BEFORE PROCEEDING.</li> <li>PROVIDE BLDG. IN ALL WALLS AS REQUIRED FOR SUPPORT.</li> <li>CONTRACTOR TO DESIGN, COORDINATE, INSTALL, ETC. ALL GAS/VENT/PLUMBING WITH OWNER.</li> <li>COORDINATE ALL FINAL OUTLET, WALL, AND SOAK LOCATION W/ OWNER BEFORE CONSTRUCTION.</li> <li>COORDINATE ALL FINISHES WITH OWNER.</li> <li>PROVIDE FIRE EXTINGUISHERS AS REQUIRED BY FIRE DEPARTMENT.</li> <li>VERIFY ALL DIMENSIONS AND SET CONDITIONS.</li> <li>CONTRACTOR TO COORDINATE W/ OWNER ON ALL ITEMS SUPPLIED AND APPROXIMATE THE CONTRACTOR'S WORK.</li> <li>INTERIOR WALL CONSTRUCTION SHALL BE 5/8" GYPSUM BOARD AND FINISHES TO BE SET AT 1/2" BELOW CEILING TRACKS AND FLOORING. STILES SET AT 1/2" BELOW CEILING TRACKS. WALL STILES SHALL BE FINISHED IN ACCORDANCE WITH OTHER ADDS OR ASH 0917.</li> <li>FRILL COVERING IN PROPOSED AREAS TO HAVE THE SAME NON-DEPENDENT SURFACE TO A HEIGHT NOT LESS THAN 48" OFF.</li> </ol>	<ol style="list-style-type: none"> <li>THE EXTENSION OF THE MECH, ELEC, AND PLUMBING SYSTEMS SHALL BE ON A DESIGN-BUILD BASIS BY THE GENERAL CONTRACTOR.</li> <li>CONTRACTOR TO INSTALL COMMERCIAL GRADE BLOC OUTLETS, SWITCHES, PLUMB FIXTURES ETC. COORDINATE ALL OUTLET LOCATION WITH PLAN, HVAC AND FIXTURE TO BE DESIGNED BY OTHERS.</li> <li>ALL ELECTRICAL WORK SHALL COMPLY WITH BAC 900.</li> <li>ALL WIRING SHALL BE IN RIGID CONDUIT OR MC CABLE. MINIMUM WIRE SIZE SHALL BE #12 AWG. MINIMUM CONDUIT SIZE SHALL BE 1/2".</li> <li>ELECTRICAL PANELS IN 48" X 48" OR 1/2" X 48" X 1/2" TRAYS.</li> <li>WIRING IN 2" X 4" SET CONDUIT. VOLUME AREA 40A.</li> <li>PROVIDE EXIT SIGNS AND EMERGENCY LIGHTS TO BE IN ACCORDANCE WITH ALL CODES AND REGULATIONS.</li> </ol>

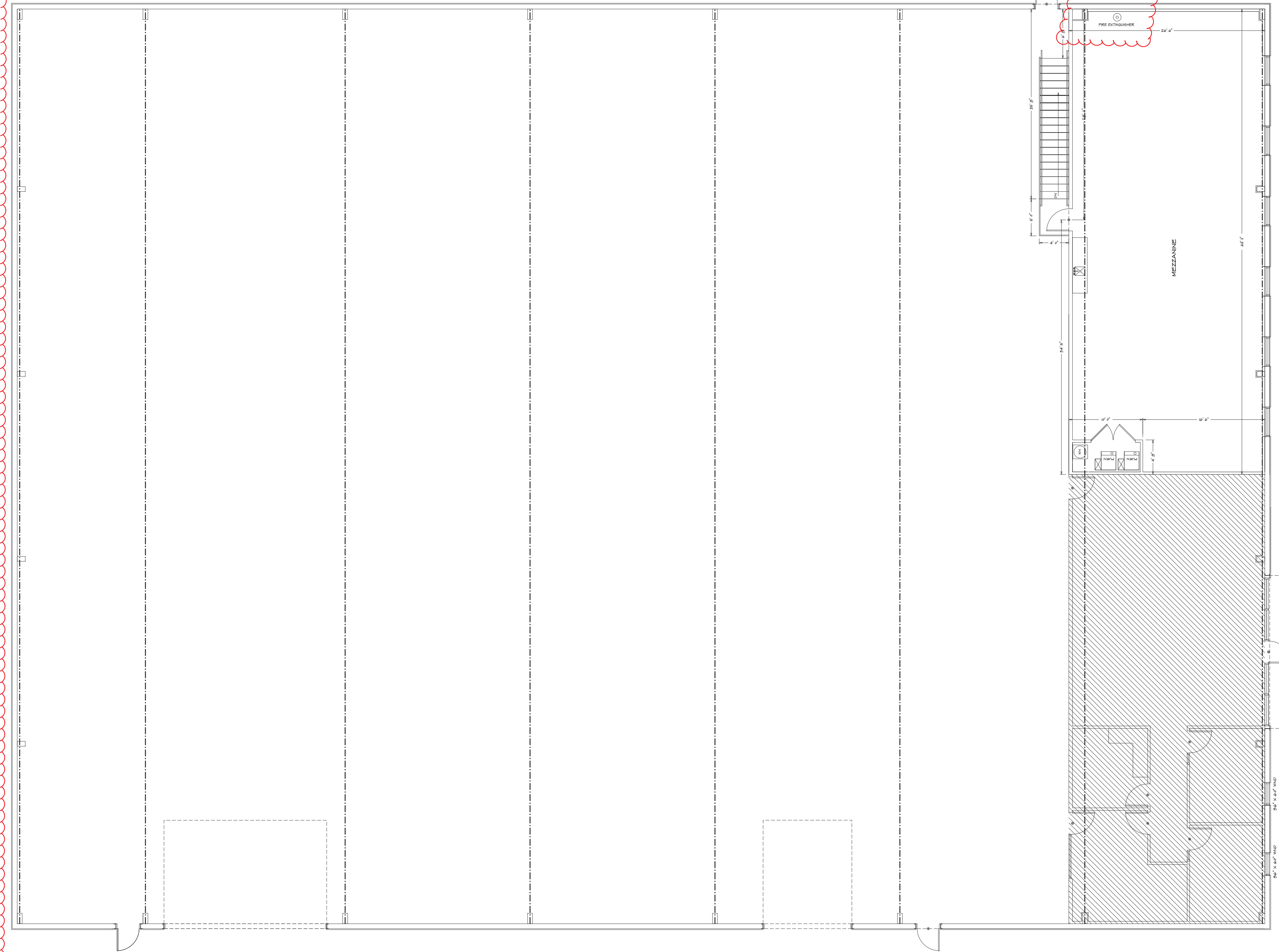


HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.	SHEET NO.
BUILDER:	PHONE:	DATE REVISED:	CON-1009	1
SUB-DIVISION:	LOT NO.:	DESIGNER:	FILE NAME:	APPROX. SQFT:
			10-10-10	

ALL INFORMATION IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY BETWEEN PLANS, FOUNDATION AND ELEVATIONS. ALSO VERIFY ALL ROOM, CORNER, AND FINISH LOCATIONS. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND REPORT THE OWNER OF ANY DISCREPANCIES BEFORE PROCEEDING. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SET CONDITIONS. CONTRACTOR TO COORDINATE W/ OWNER ON ALL ITEMS SUPPLIED AND APPROXIMATE THE CONTRACTOR'S WORK. INTERIOR WALL CONSTRUCTION SHALL BE 5/8" GYPSUM BOARD AND FINISHES TO BE SET AT 1/2" BELOW CEILING TRAYS AND FLOORING. STILES SET AT 1/2" BELOW CEILING TRACKS. WALL STILES SHALL BE FINISHED IN ACCORDANCE WITH OTHER ADDS OR ASH 0917. FRILL COVERING IN PROPOSED AREAS TO HAVE THE SAME NON-DEPENDENT SURFACE TO A HEIGHT NOT LESS THAN 48" OFF.



STAIR SECTION (TYP)

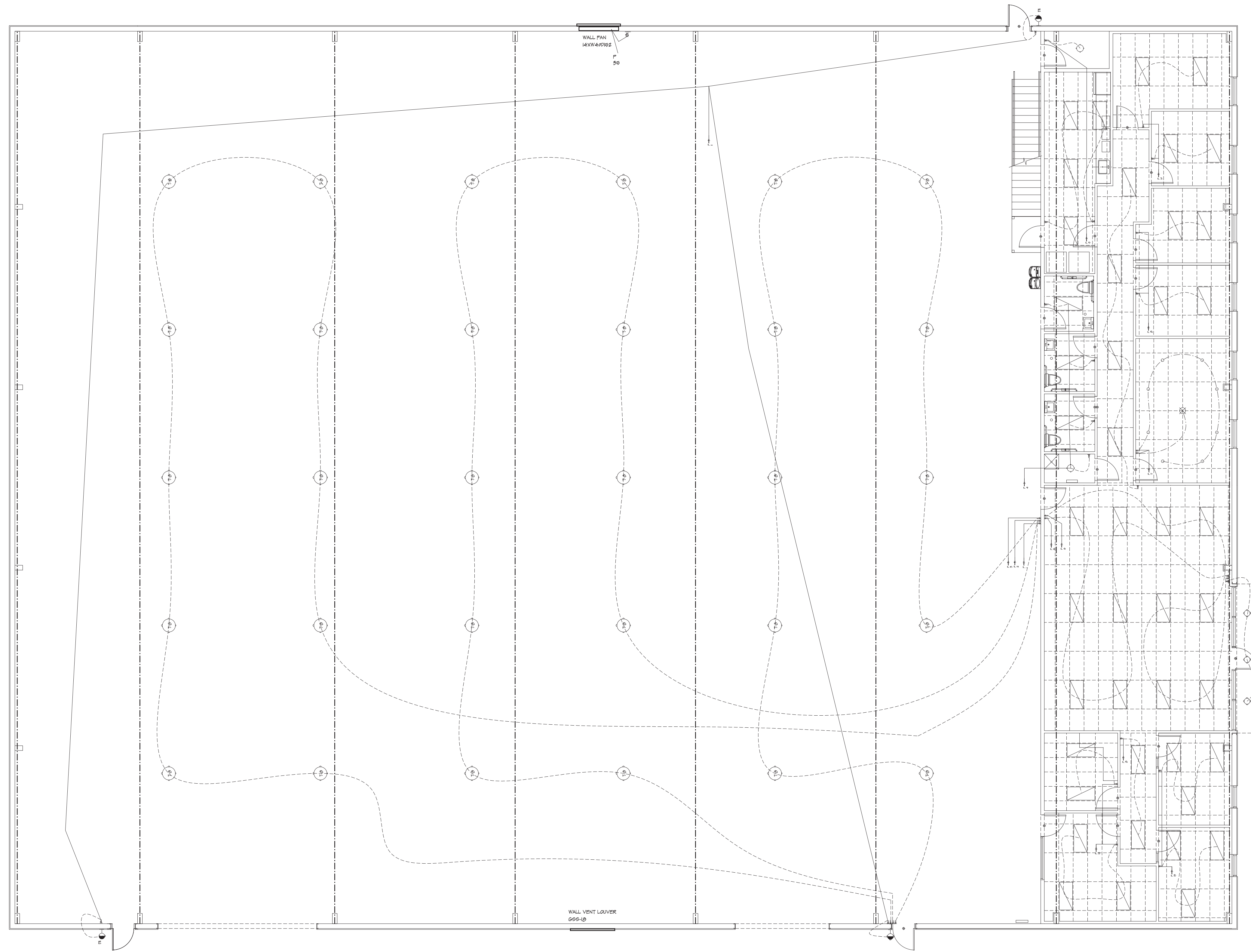


SECOND FLOOR  
1/8" = 1'-0"

HOME BUYER:	DATE DRAWN:	PLAN NO.:	SHEET NO.:
BUILDER:	DATE REVISED:	CON-899	4
SUB-DIVISION:	DESIGNER:	FILE NAME:	APPROX. SQ. FT.:
		899.P21	899 P.21

MULTISUBDIVISIONS IS RESPONSIBLE FOR ALL INFORMATION AND DOCUMENTS PROVIDED TO THE HOME BUYER AND BUILDER. THE HOME BUYER AND BUILDER SHALL BE RESPONSIBLE FOR VERIFYING ALL INFORMATION PROVIDED TO THEM. MULTISUBDIVISIONS SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN THIS DOCUMENT. ALL INFORMATION IS PROVIDED AS IS. MULTISUBDIVISIONS ACCEPTS NO LIABILITY FOR ANY ERRORS OR OMISSIONS IN THIS DOCUMENT.



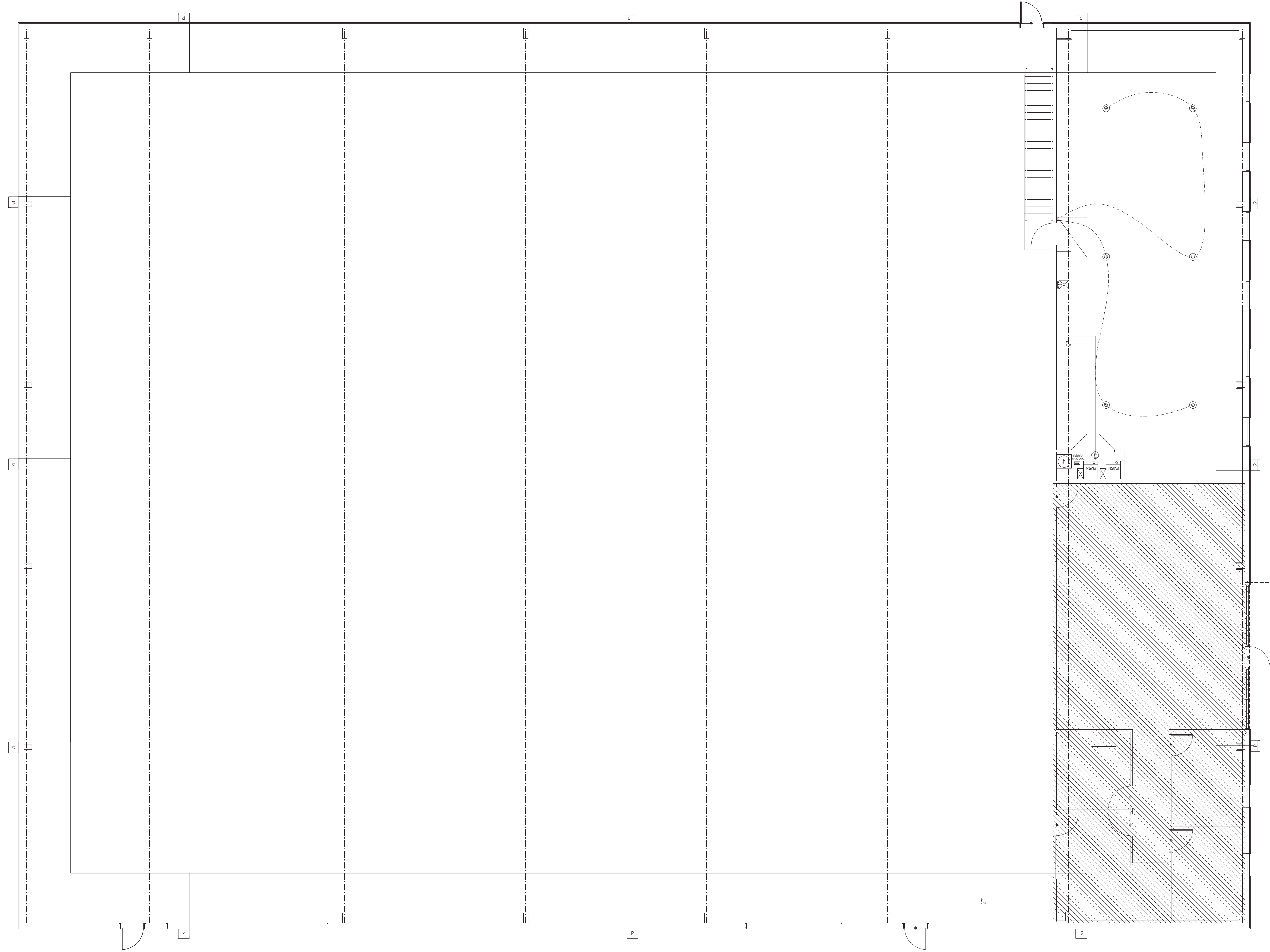


LOWER LEVEL LIGHTING PLAN  
 1/8" = 1'-0"

THESE DRAWINGS ARE PREPARED BY THE ARCHITECT FOR THE CLIENT'S USE ONLY. THE ARCHITECT ASSUMES NO LIABILITY FOR ANY ERRORS OR OMISSIONS IN THESE DRAWINGS. THE ARCHITECT'S RESPONSIBILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE BUILDING AS SHOWN ON THESE DRAWINGS. THE ARCHITECT DOES NOT ASSUME RESPONSIBILITY FOR THE DESIGN OR CONSTRUCTION OF ANY OTHER WORK OR FOR THE PERFORMANCE OF ANY OTHER PROFESSIONAL ENGINEER OR ARCHITECT. THE ARCHITECT'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE BUILDING AS SHOWN ON THESE DRAWINGS.

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BUILDER:	PHONE:	DATE REVISED:	COM-899	8
SUB-DIVISION:	LOT NO.:	DESIGNER:	FILE NAME:	APPROX. SQ. FT.:
			899 E-1	899 E-1



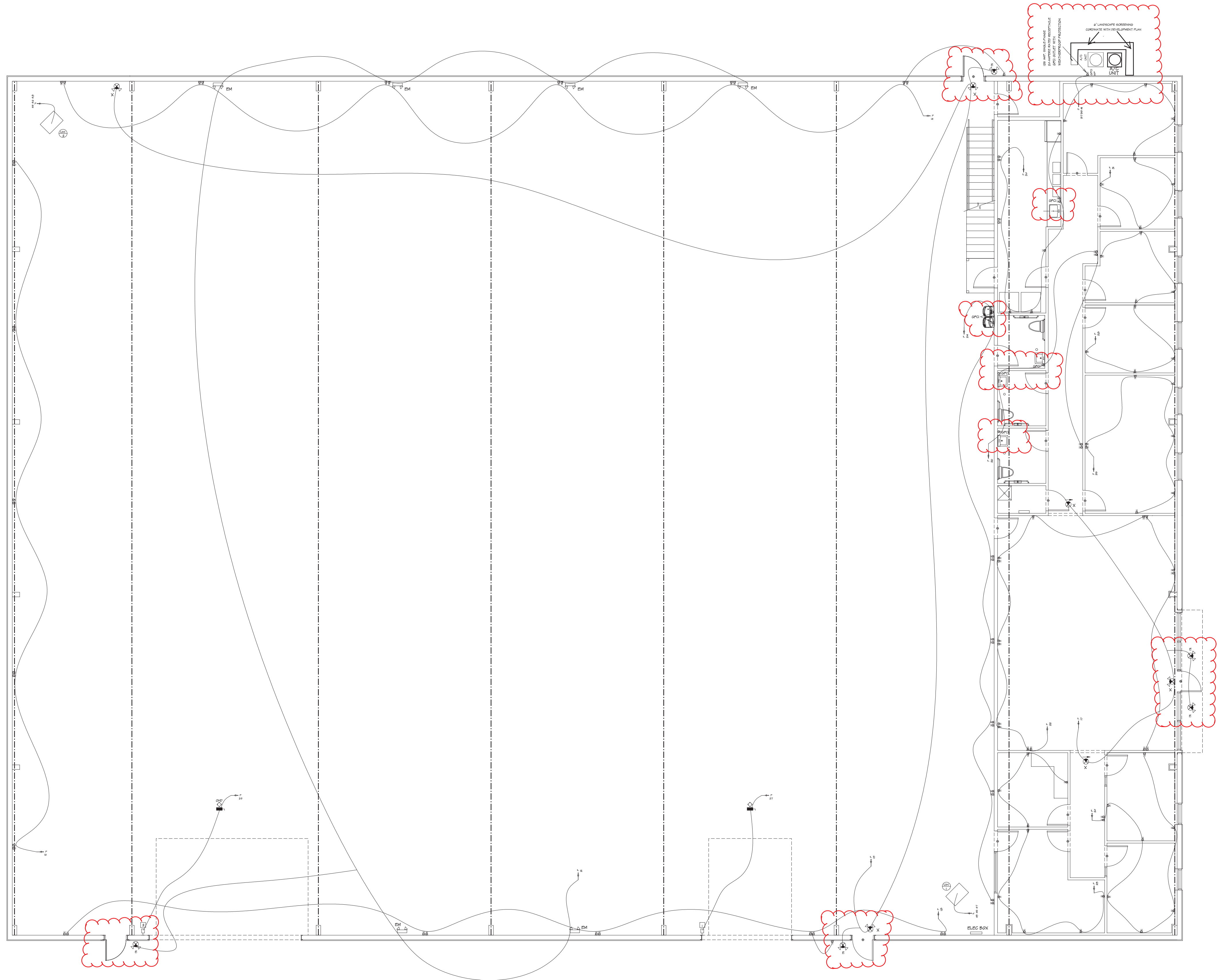


UPPER LEVEL LIGHTING PLAN  
 1/8" = 1'-0"

THESE DRAWINGS ARE THE PROPERTY OF THE ARCHITECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL AUTHORITIES.

HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.:	SHEET NO.:
BUILDER:	PHONE:	DATE REVISED:	CON-8999	6
SUB-DIVISION:	LOT NO.:	DESIGNER:	FILE NAME:	APPROX. SQ. FT.:
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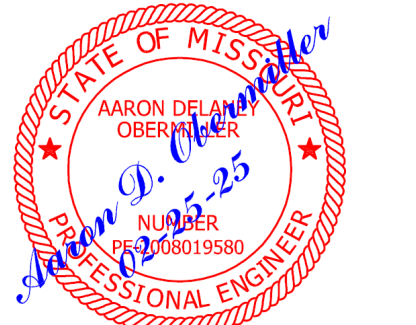




LOWER LEVEL POWER PLAN  
 1/8" = 10'

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND LOCATIONS OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO, ELECTRICAL, MECHANICAL, AND PLUMBING UTILITIES, PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.:	SHEET NO.:
BUILDER:	PHONE:	DATE REVISED:	CON-8899	7
SUB-DIVISION:	LOT NO.:	DESIGNER:	FILE NAME:	APPROX SQ.FT.:
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UPPER LEVEL POWER PLAN  
 $1/8" = 10'$

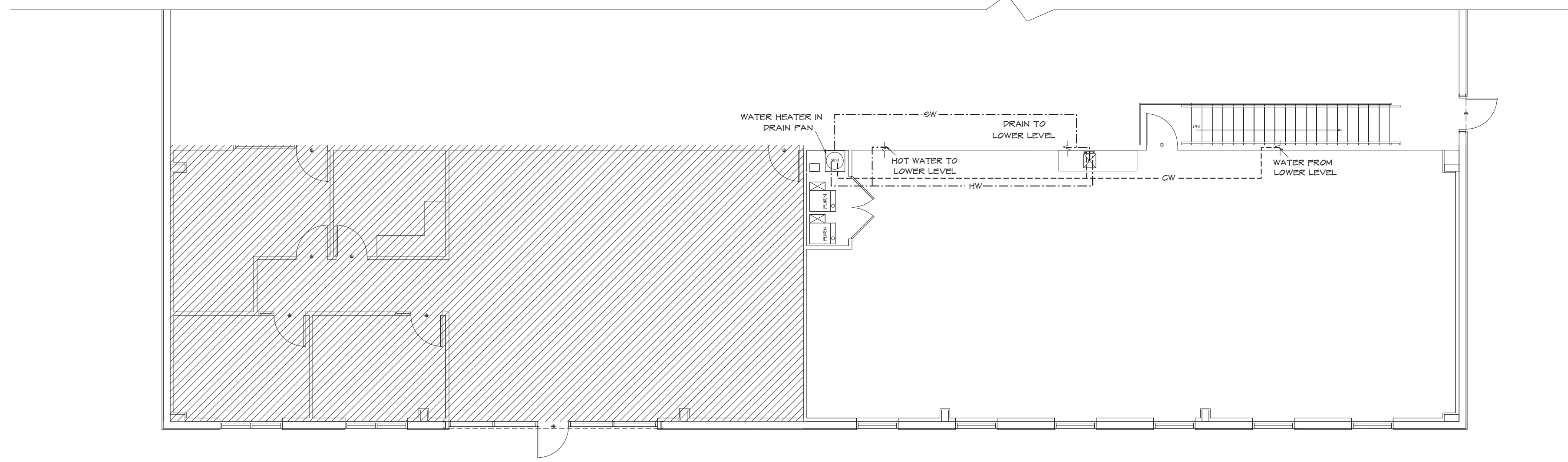
THESE DRAWINGS ARE PREPARED BY THE ARCHITECT OR ENGINEER AND ARE NOT TO BE USED FOR CONSTRUCTION WITHOUT THE ARCHITECT'S OR ENGINEER'S APPROVAL. THE ARCHITECT OR ENGINEER ACCEPTS NO LIABILITY FOR ANY DAMAGE TO PERSONS OR PROPERTY ARISING FROM THE USE OF THESE DRAWINGS. THE ARCHITECT OR ENGINEER DOES NOT WARRANT THE ACCURACY OF THE INFORMATION PROVIDED HEREON. THE ARCHITECT OR ENGINEER DOES NOT WARRANT THE ACCURACY OF THE INFORMATION PROVIDED HEREON. THE ARCHITECT OR ENGINEER DOES NOT WARRANT THE ACCURACY OF THE INFORMATION PROVIDED HEREON.

HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.:	SHEET NO.:
BUILDER:	PHONE:	DATE REVISED:	COMP.:	0
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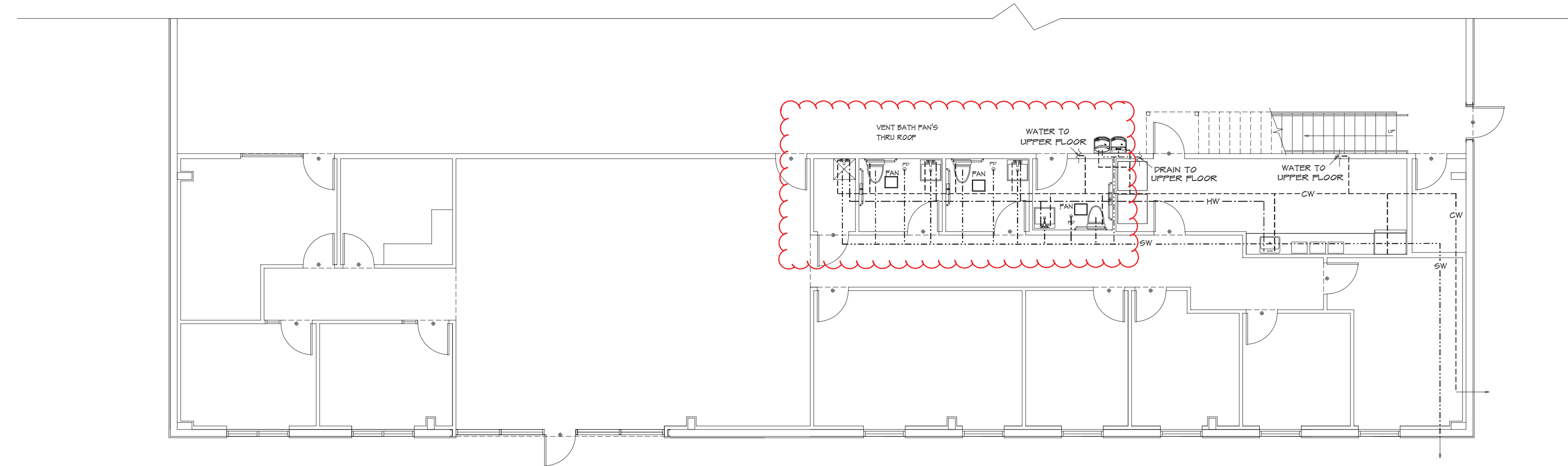




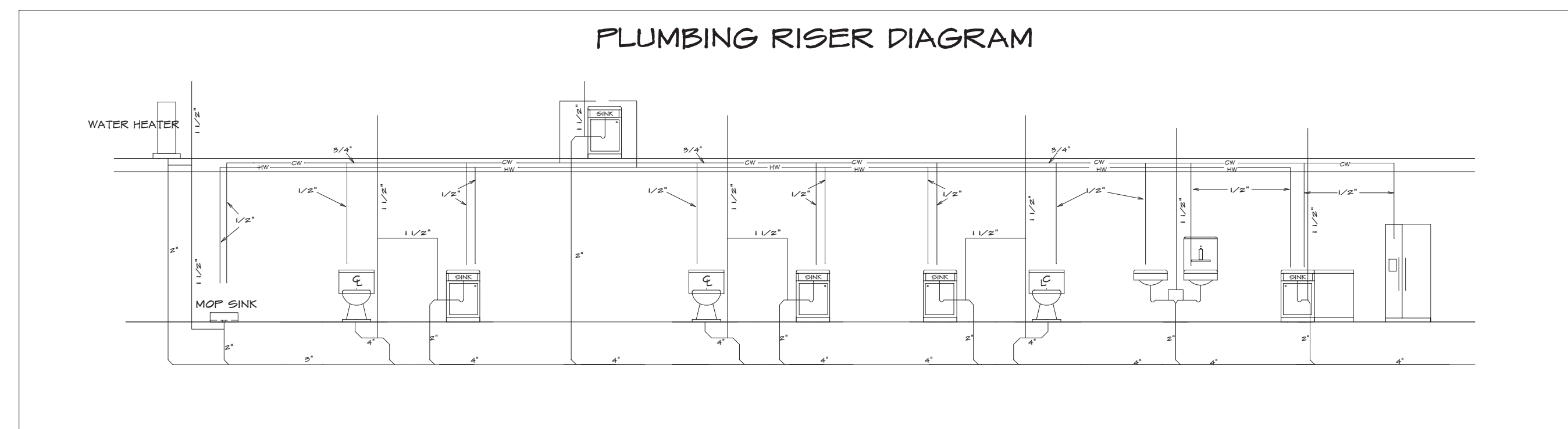




SECOND FLOOR PLUMBING  
 1/8" = 1'-0"



FIRST FLOOR PLUMBING  
 1/8" = 1'-0"

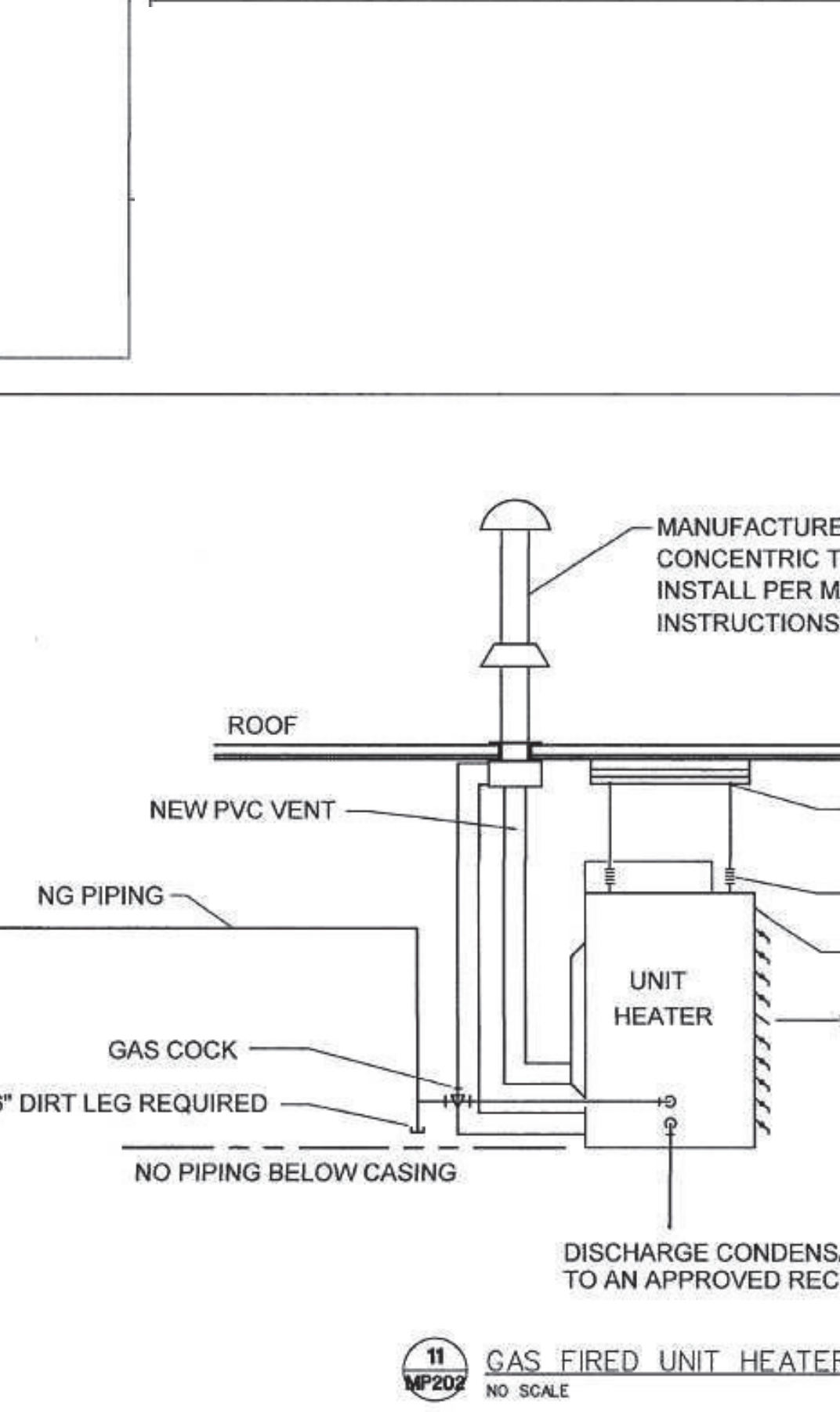
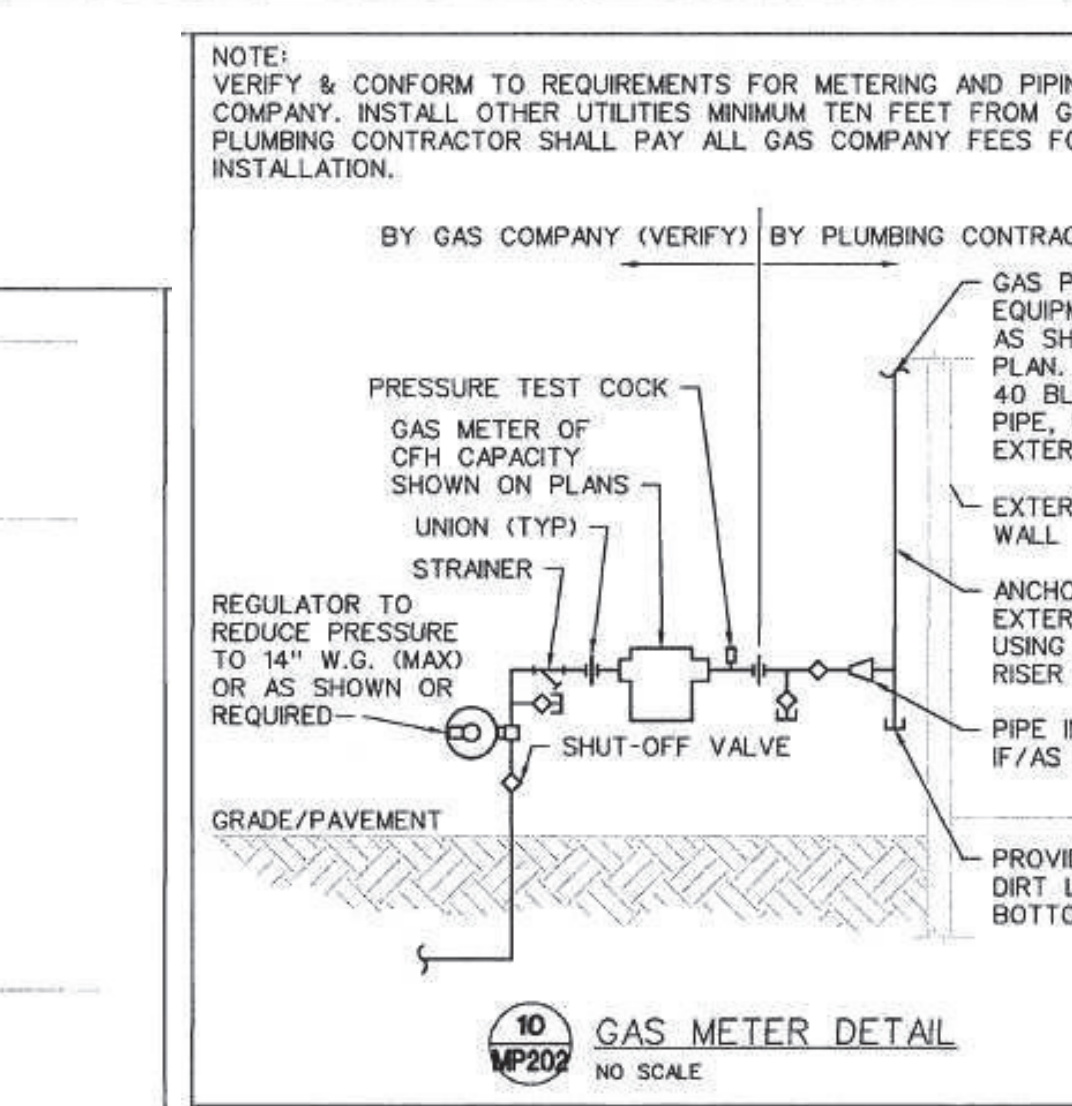
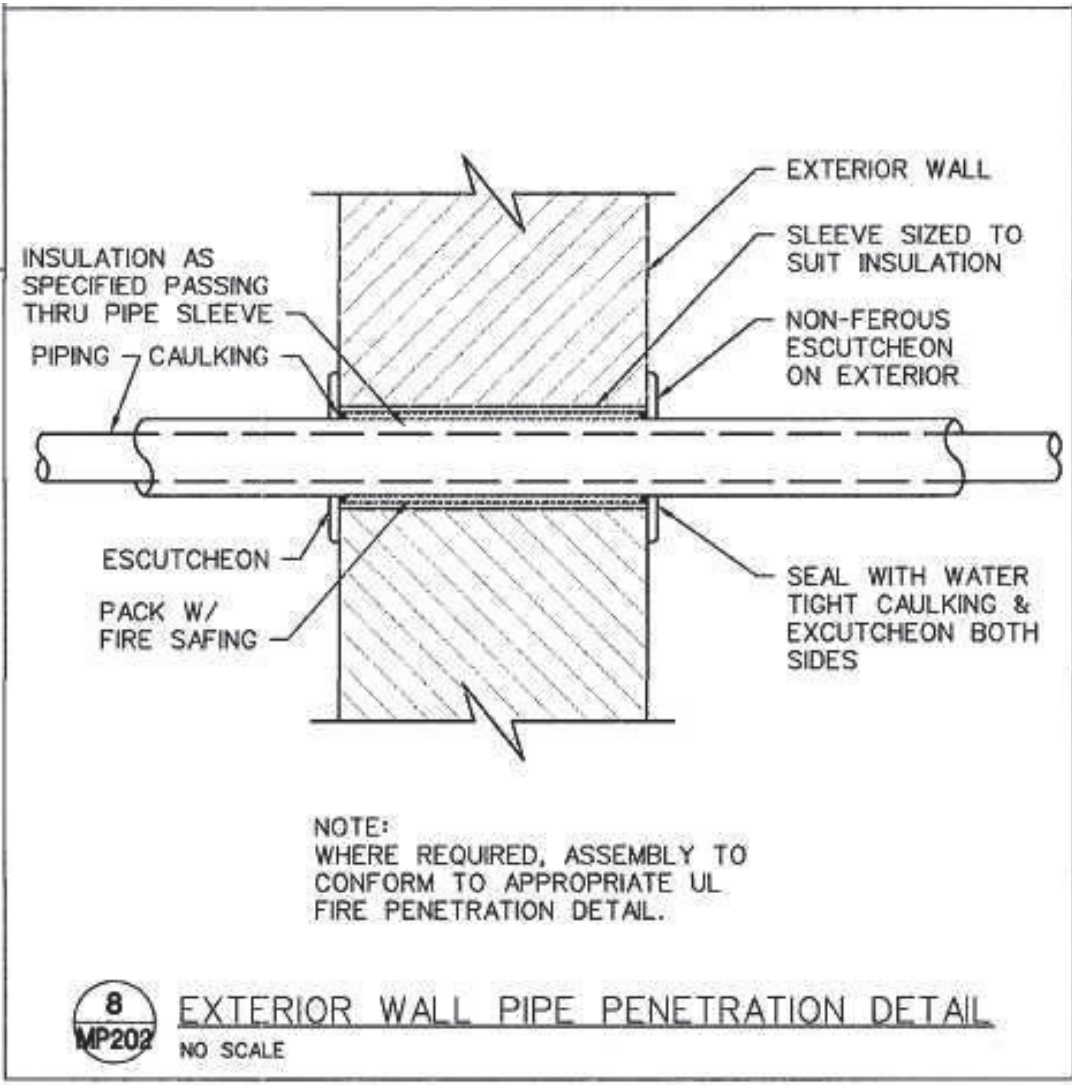
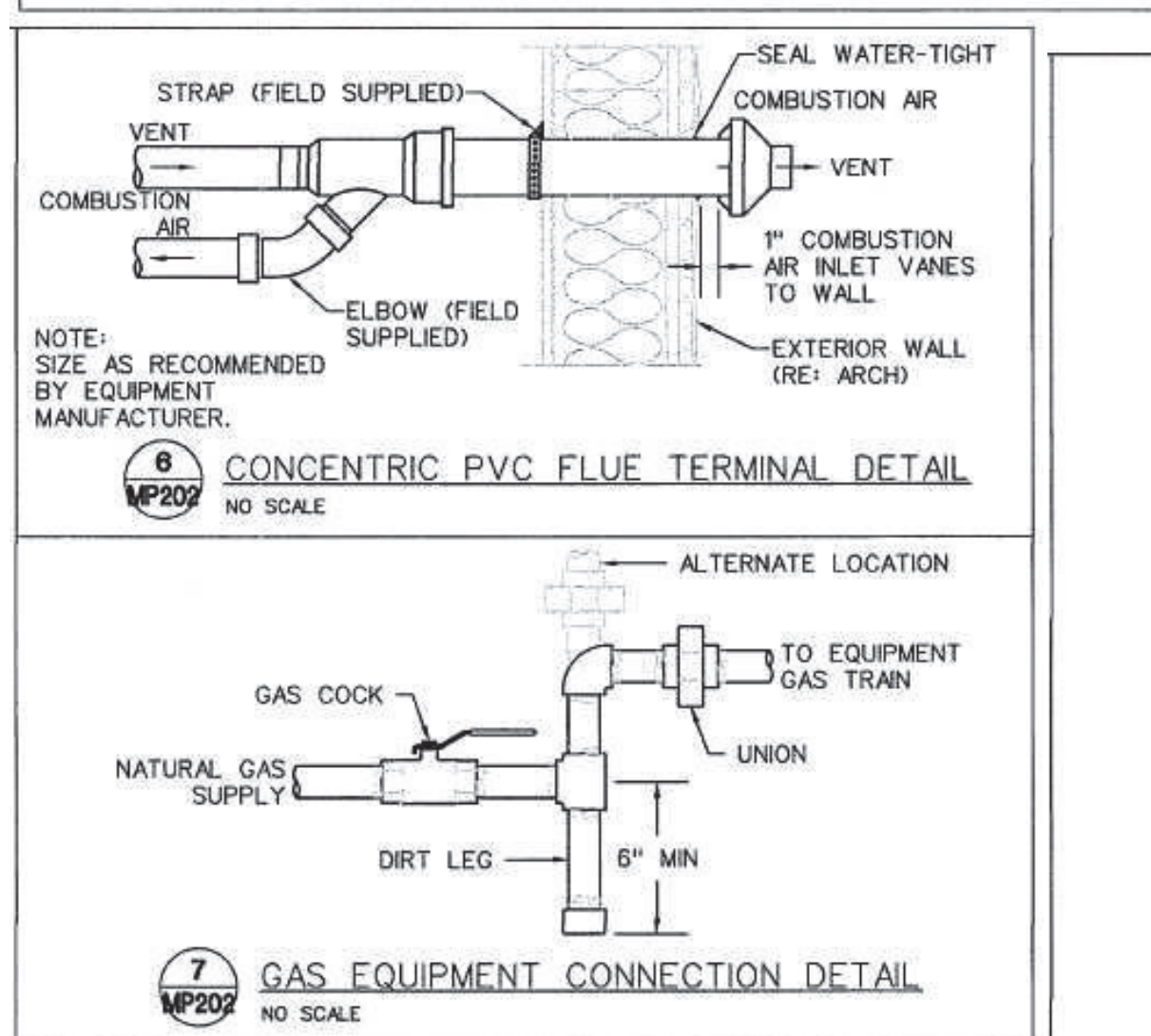
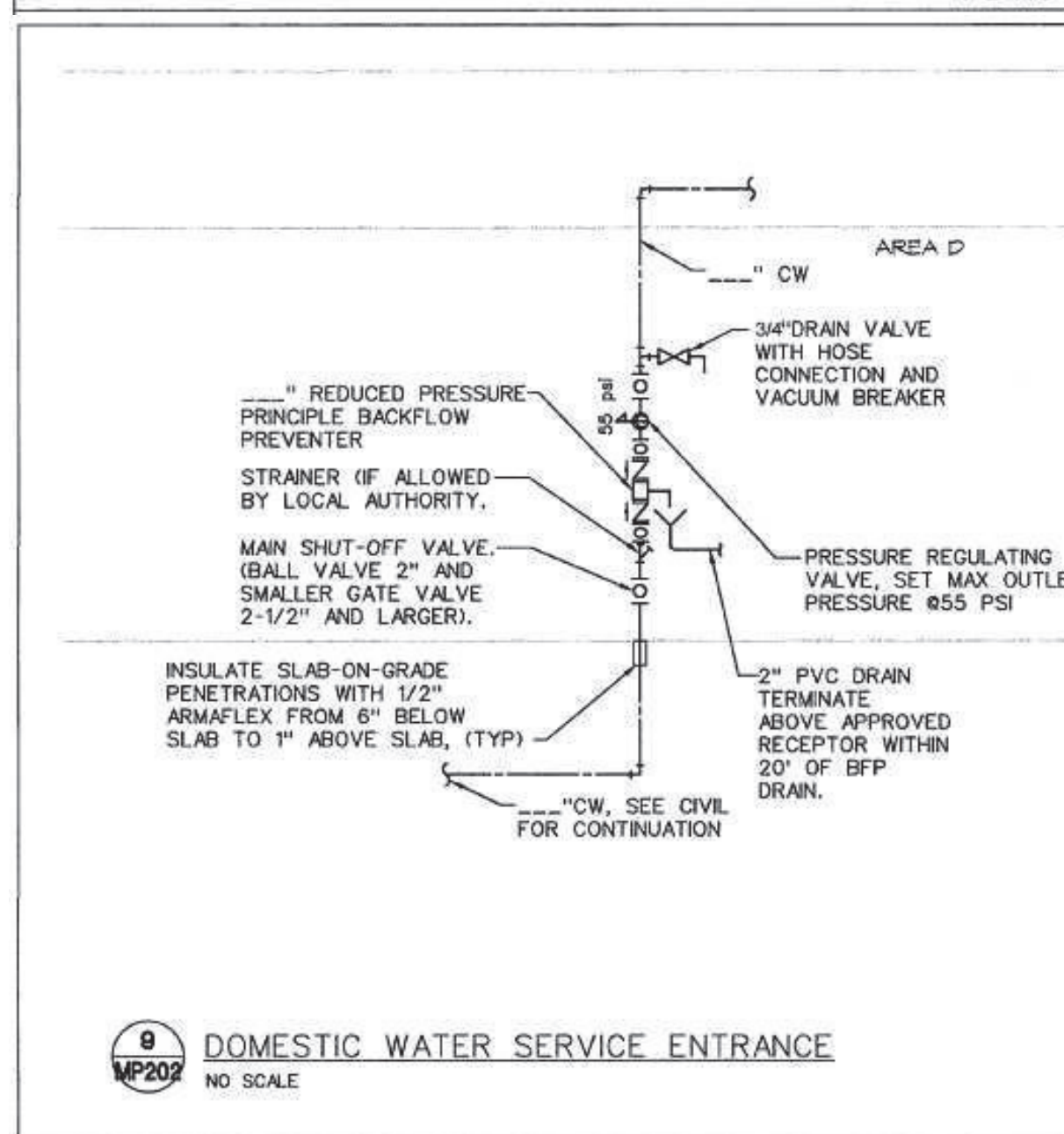
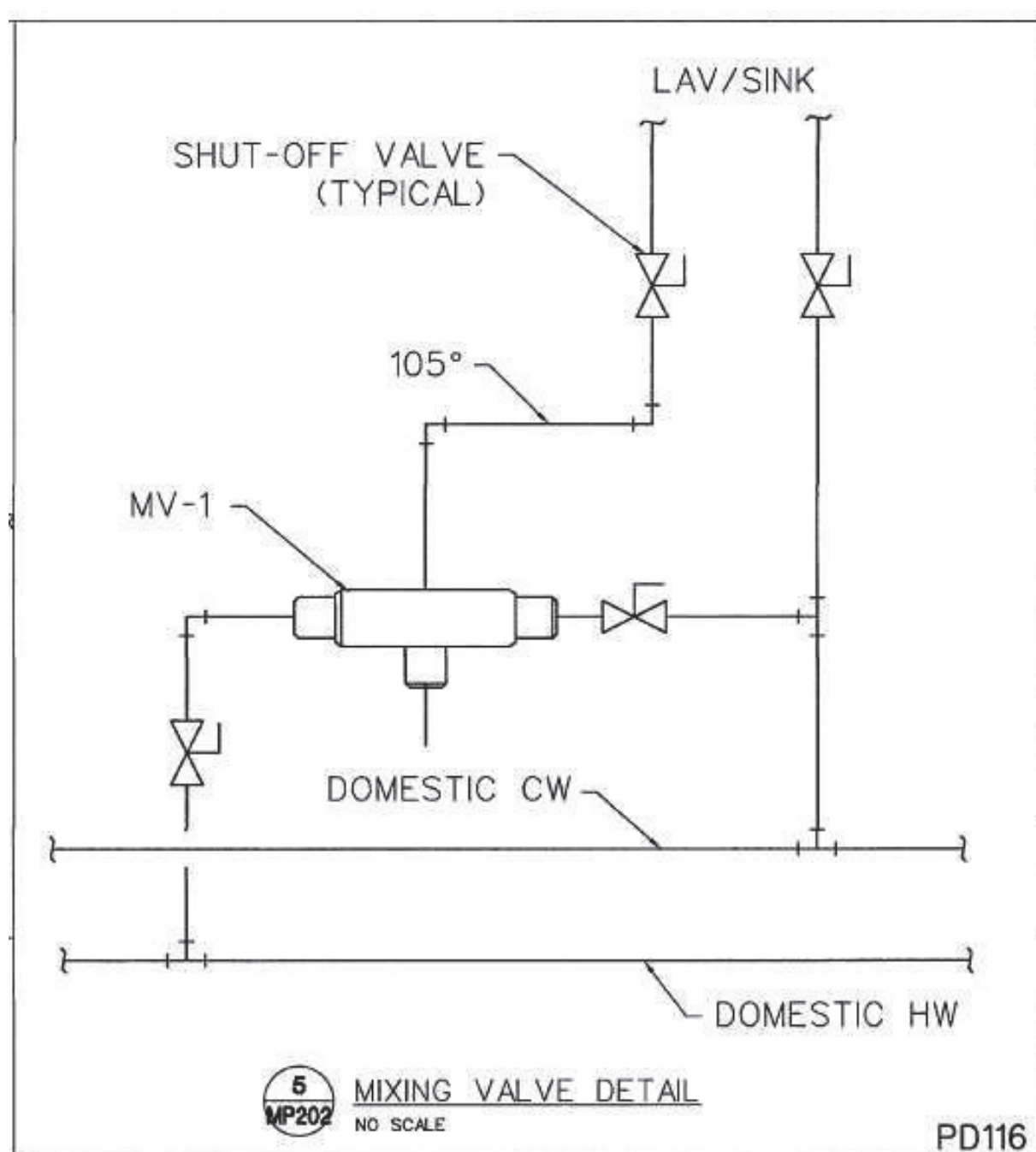
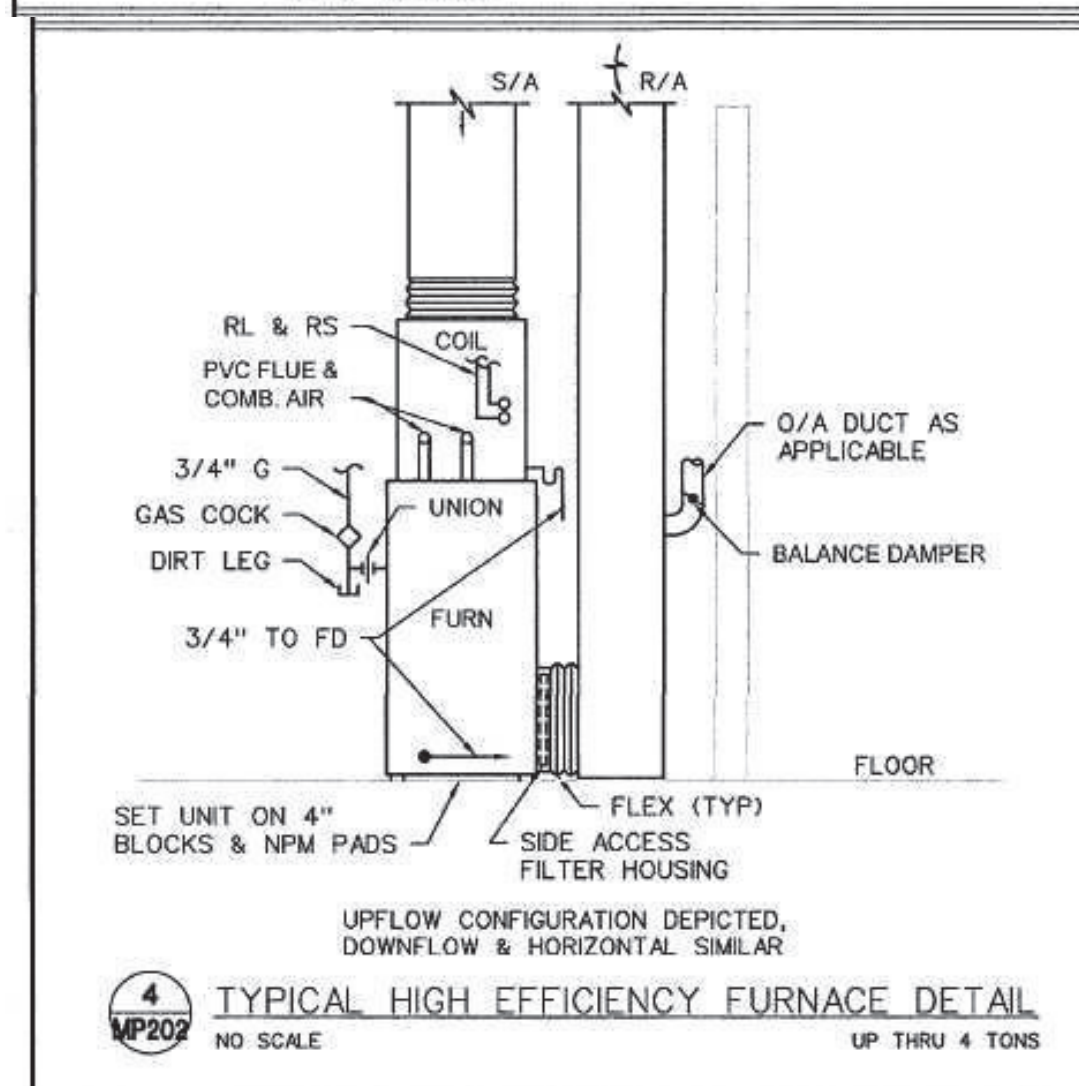
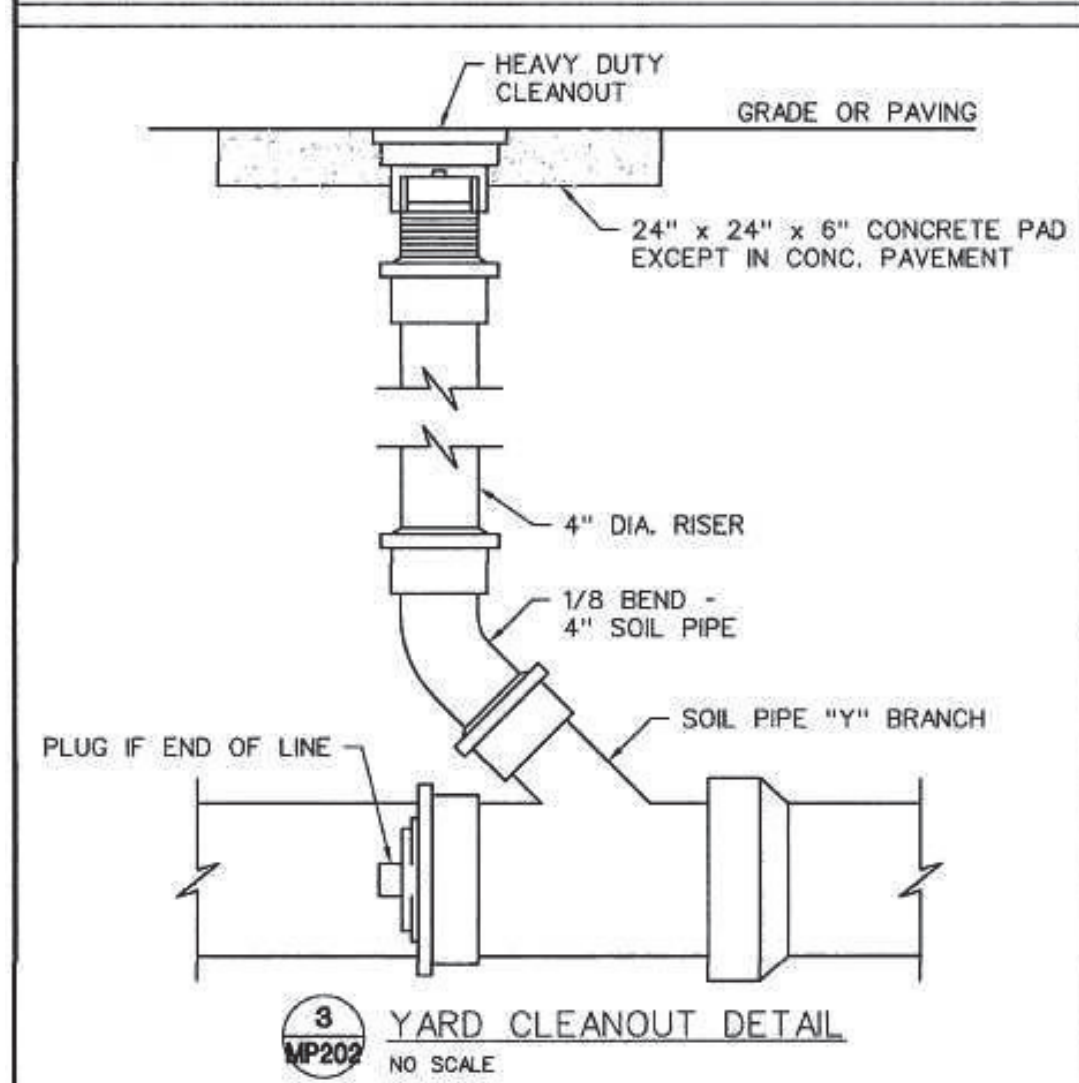
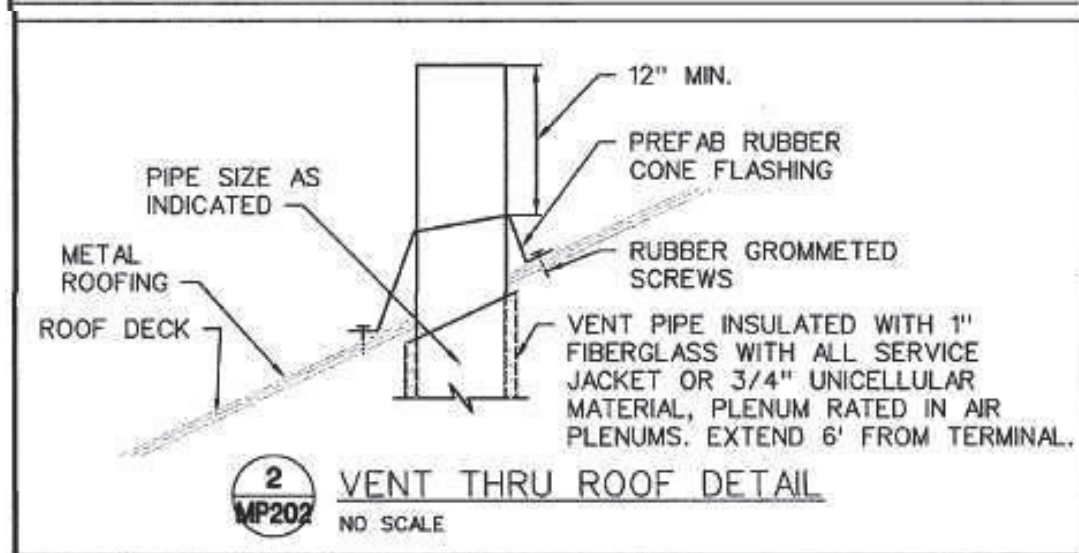
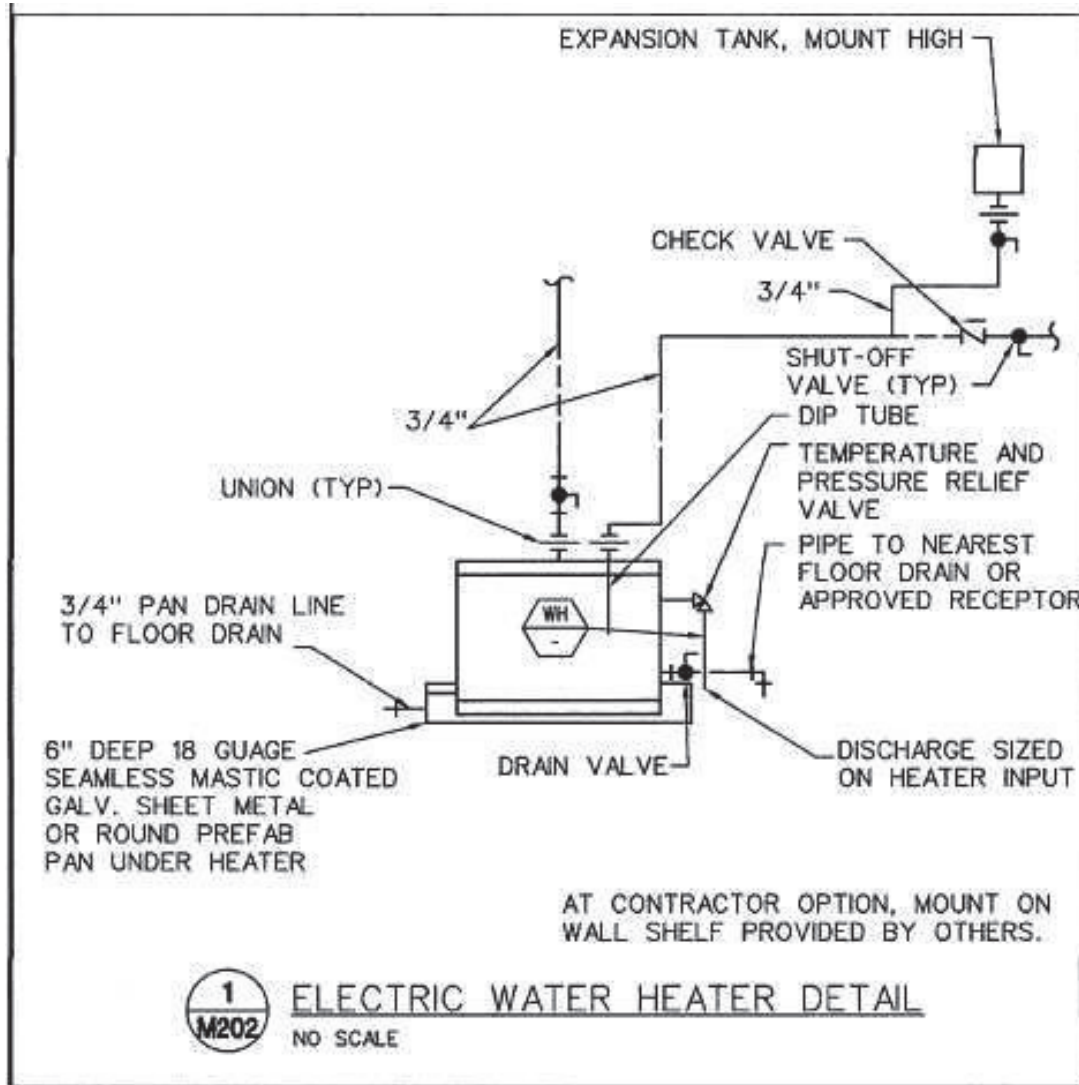


PLUMBING RISER DIAGRAM

HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.	SHEET NO.
BUILDER:	PHONE:	DATE REVISED:	COM-8999	OF
SUB-DIVISION:	LOT NO.	DESIGNER:	FILE NAME:	APPROX. SQ. FT.
			8999 P.-1	8999 P.-1

PLUMBER/MECHANICAL IS RESPONSIBLE TO VERIFY ALL DIMENSIONS AND LOCATIONS OF ALL PIPING, EQUIPMENT, AND ELECTRICAL AND MECHANICAL WORK. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LOCATIONS, AND COORDINATE ALL WORK WITH THE ARCHITECT AND OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE.





**605.3 Water service pipe.**

Water service pipe shall conform to NSF 61 and shall conform to one of the standards listed in Table 605.3. Water service pipe or tubing, installed underground and outside of the structure, shall have a working pressure rating of not less than 160 psi (1100 kPa) at 73.4°F (23°C). Where the water pressure exceeds 160 psi (1100 kPa), piping material shall have a working pressure rating not less than the highest available pressure. Water service piping materials not third-party certified for water distribution shall terminate at or before the full open valve located at the entrance to the structure. Ductile iron water service piping shall be cement mortar lined in accordance with AWWA C104.

**WATER HEATER SCHEDULE (ELECTRIC)**

MARK NO.	MANUFACTURER	MODEL NO.	TYPE	ASME	TANK LINING	STORAGE (GALLONS)	RECOVERY (GAL/HR)	TEMP RISE * F	DISCH. SET POINT * F	ELECTRICAL	REMARKS			
										KW	VOLT	#	HZ	
1	LOCHINVAR	KSA03DKD	TANK	N	GL	28	-	-	120	4.5	208	1	60	1

NOTES:  
1. INSTALL IN DRAIN PAN. SEE DETAIL ON SHEET MP202.

TABLE 605.3 WATER SERVICE PIPE

MATERIAL	STANDARD
Acrylonitrile butadiene styrene (ABS) plastic pipe	ASTM D 1527, ASTM D 2282
Brass pipe	ASTM B 43
Chlorinated polyvinyl chloride (CPVC) plastic pipe	ASTM D 2846, ASTM F 441, ASTM F 442, CSA B137.6
Chlorinated polyvinyl chloride/aluminum/chlorinated polyvinyl chloride (CPVC/AL/CPVC)	ASTM F 2855
Copper or copper-alloy pipe	ASTM B 42, ASTM B 302
Copper or copper-alloy tubing (Type K, L, N, or M)	ASTM B 75, ASTM B 88, ASTM B 251, ASTM B 447
Cross-linked polyethylene (PEX) plastic pipe and tubing	ASTM D 876, ASTM F 877, AWWA C304, CSA B137.5
Cross-linked polyethylene/aluminum/cross-linked polyethylene (PEX-AL)	ASTM F 1281, ASTM F 2262, CSA B137.10
Cross-linked polyethylene/aluminum/high-density polyethylene (PEX-AL/HDPE)	ASTM F 1986
Ductile iron water pipe	AWWA C151/A21.51, AWWA C115/A21.15
Galvanized steel pipe	ASTM A 53
Polyethylene (PE) plastic pipe	ASTM D 2330, ASTM D 3035, AWWA C301, CSA B137.11
Polyethylene (PE) plastic tubing	ASTM D 2737, AWWA C301, CSA B137.1
Polyethylene/aluminum/polyethylene (PE-AL-PE) pipe	ASTM F 1282, CSA B137.9
Polyethylene of raised temperature (PE-RT) plastic tubing	ASTM F 2769
Polypropylene (PP) plastic pipe or tubing	ASTM F 2389, CSA B137.11
Polyvinyl chloride (PVC) plastic pipe	ASTM D 1785, ASTM D 2241, ASTM D 2672, CSA B137.3
Stainless steel pipe (Type 304/304L)	ASTM A 312, ASTM A 778
Stainless steel pipe (Type 316/316L)	ASTM A 312, ASTM A 778

**FIXTURE BRANCH SCHEDULE**

FIXTURE	WASTE	VENT	COLD	HOT
Water Closet (ft)	4"	2"	1/2"	---
Water Closet (fv)	4"	2"	1"	---
Urinal	2"	1 1/2"	3/4"	---
Lavatory	1 1/2"	1 1/2"	1/2"	1/2"
Sink	2"	1 1/2"	1/2"	1/2"
Triple Sink	2"	1 1/2"	(2) 1/2"	(2) 1/2"
Shower, Tub	2"	1 1/2"	1/2"	1/2"
Water Fountain	1 1/2"	1 1/2"	1/2"	---
Janitor Sink (fr)	3"	2"	3/4"	3/4"
Janitor Sink (wall)	2"	1 1/2"	1/2"	1/2"
Floor Drain	2"	1 1/2"	---	---
Floor Sink	3"	2"	---	---
Egypt Floor Drain	3"	2"	---	---
Hub Drain	2"	1 1/2"	---	---
Dishwasher	2"	1 1/2"	---	1/2"
Washer Box	2"	1 1/2"	1/2"	1/2"
Ice Maker	---	---	1/2"	---
FPWH, HB	---	---	3/4"	---

1. Minimum waste or vent size below slab on grade shall be 2".  
2. Size as shown on drawings and diagrams, but not less than listed.

**PLUMBING FIXTURE SCHEDULE**

- INSTALL PLUMBING FIXTURES AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. VERIFY ROUGH-IN REQUIREMENTS WITH MANUFACTURER'S DRAWINGS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE WATER-CONSERVING FIXTURES AND APPURTENANCES IF/AS REQUIRED BY LOCAL AUTHORITIES. CONFIRM ALL LOCATION AND MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS AND/OR SPECIFICATIONS. CAULK FIXTURES TO WALL/FLOOR. SET COUNTER MOUNTED SINKS AND LAVATORIES IN A BED OF CAULK. THE SPECIFIED PLUMBING FIXTURES, OR APPROVED EQUALS, SHALL BE USED UNLESS OTHERWISE NOTED OR INDICATED.
- WATER CLOSET, TOTO #CSC744SL.01, FLOOR MOUNTED, CONSTRUCTED OF VITREOUS CHINA, MEETING ANSI A-117.1 AND ADA BARRIER-FREE REQUIREMENTS, 17" HIGH, 1.6-GALLON FLUSH, CLOSE-COUPLED TANK DESIGN WITH ELONGATED BOWL AND SIPHON JET ACTION. TANK SHALL BE VITREOUS CHINA WITH COVER, 3/8" FLEXIBLE RISER WITH LOOSE KEY ANGLE STOP VALVE, CHROME-PLATED BRASS TRIP LEVER AND MANUFACTURER'S BOLT CAPS. PROVIDE BENKE #527 WHITE ELONGATED OPEN FRONT SEAT LESS COVER, PERMA BUMPER.
- LAVATORY, TOTO #LT307.4 (20"X18"), WALL-HUNG TYPE, CONSTRUCTED OF VITREOUS CHINA, MEETING ANSI A-117.1 AND ADA BARRIER-FREE REQUIREMENTS. LAVATORY SHALL HAVE 4-INCH FAUCET CENTERS AND DRILLED FOR CONCEALED ARM CARRIER. PROVIDE 3/8-INCH FLEXIBLE RISER W/ANGLE SUPPLIES WITH LOOSE KEY STOPS, 1-1/4-INCH INLET 1-1/2-INCH OUTLET CHROME PLATED CAST BRASS "P" TRAP W/CLEANOUT PLUG AND ESCUTCHEON W/SET SCREW. PROVIDE DELTA #523-WFOGHDF HEAVY DUTY SINGLE LEVER FAUCET, 4-INCH CENTERS, VANDAL-RESISTANT 2.2 GPM AERATOR, PERFORATED OFFSET GRID DRAIN (W. 1-1/4" TAILPIPE) AND VANDAL-RESISTANT SINGLE LEVER HANDLE. PROVIDE WITH J.R. SMITH CARRIER (TO MATCH WALL TYPE). MOUNT AT ADA HEIGHT AND MAINTAIN CLEARANCES UNDER LAVATORY AS REQUIRED BY ADA REGULATIONS. INSULATE WASTE AND HOT WATER SUPPLY UNDER LAVATORY WITH UNDERSINK PROTECTIVE PIPE COVER, MOLDED, ANTIMICROBIAL, WITH FLUSH REUSABLE FASTENERS. TRUEBRO LAV GUARD.
- ALL FIXTURES USED SPECIFICALLY FOR HANDWASHING PURPOSES (LAVATORIES, HAND SINKS, ECT.) SHALL BE PROVIDED WITH A TEMPERING VALVE TO TEMPER THE HOT WATER TO THE FIXTURE (MAXIMUM OF 105-DEGREES F).
- ALL SINKS AND ASSOCIATED FAUCETS ARE PROVIDED BY THE KEG. PC TO PROVIDE BASKET STRAINER DRAIN, TAILPIPE, 3/8-INCH FLEXIBLE RISER W/ANGLE SUPPLIES WITH LOOSE KEY STOPS, 1-1/4-INCH INLET 1-1/2-INCH OUTLET CHROME PLATED CAST BRASS "P" TRAP W/CLEANOUT PLUG AND ESCUTCHEON W/SET SCREW. PC TO PROVIDE OWNER FAUCETS (DELTA OR EQUAL) TO GO ALONG WITH FIXTURES PROVIDED BY THE KEG UNLESS OTHERWISE NOTED.
- ELECTRIC WATER COOLER, BI-LEVEL BARRIER FREE WITH STAINLESS STEEL TOP WITH SATIN FINISH, GRANITE POWDER COAT FINISH ON GALVANIZED STEEL CABINET, FRONT AND SIDE TOUCHPAD OPERATORS, FLEX GUARD BUBBLER, 8 GPH @ 90 DEGREES F AMBIENT. PROVIDE 3/8-INCH FLEXIBLE RISER W/ANGLE SUPPLIES WITH LOOSE KEY STOP, AND 1-1/4-INCH INLET 1-1/2-INCH OUTLET CHROME-PLATED CAST BRASS "P" TRAP W/CLEANOUT PLUG AND ESCUTCHEON W/SET SCREW. MOUNT PER MANUFACTURER'S INSTRUCTIONS AND AS SHOWN ON THE ARCHITECTURAL PLANS

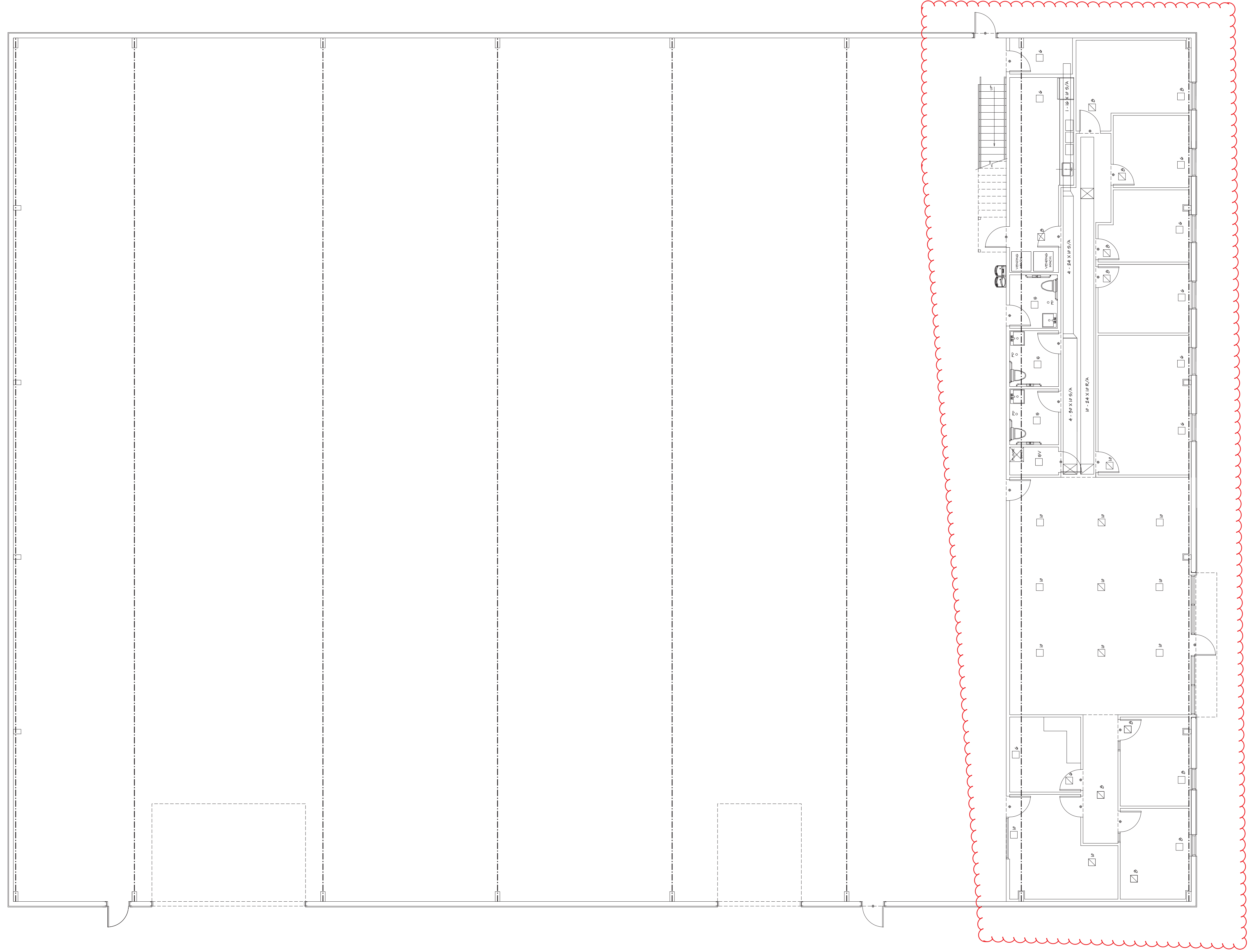
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 BUILDER: \_\_\_\_\_  
 SUB-DIVISION: \_\_\_\_\_

PHONE: \_\_\_\_\_  
 PHONE: \_\_\_\_\_  
 LOT NO: \_\_\_\_\_

DATE DRAWN: \_\_\_\_\_  
 DATE REVISION: \_\_\_\_\_  
 DESIGNER: \_\_\_\_\_

PLAN NO. COM-9999  
 SHEET NO. II  
 FILE NAME: 9199 P-1  
 APPROX. SQ.FT. \_\_\_\_\_



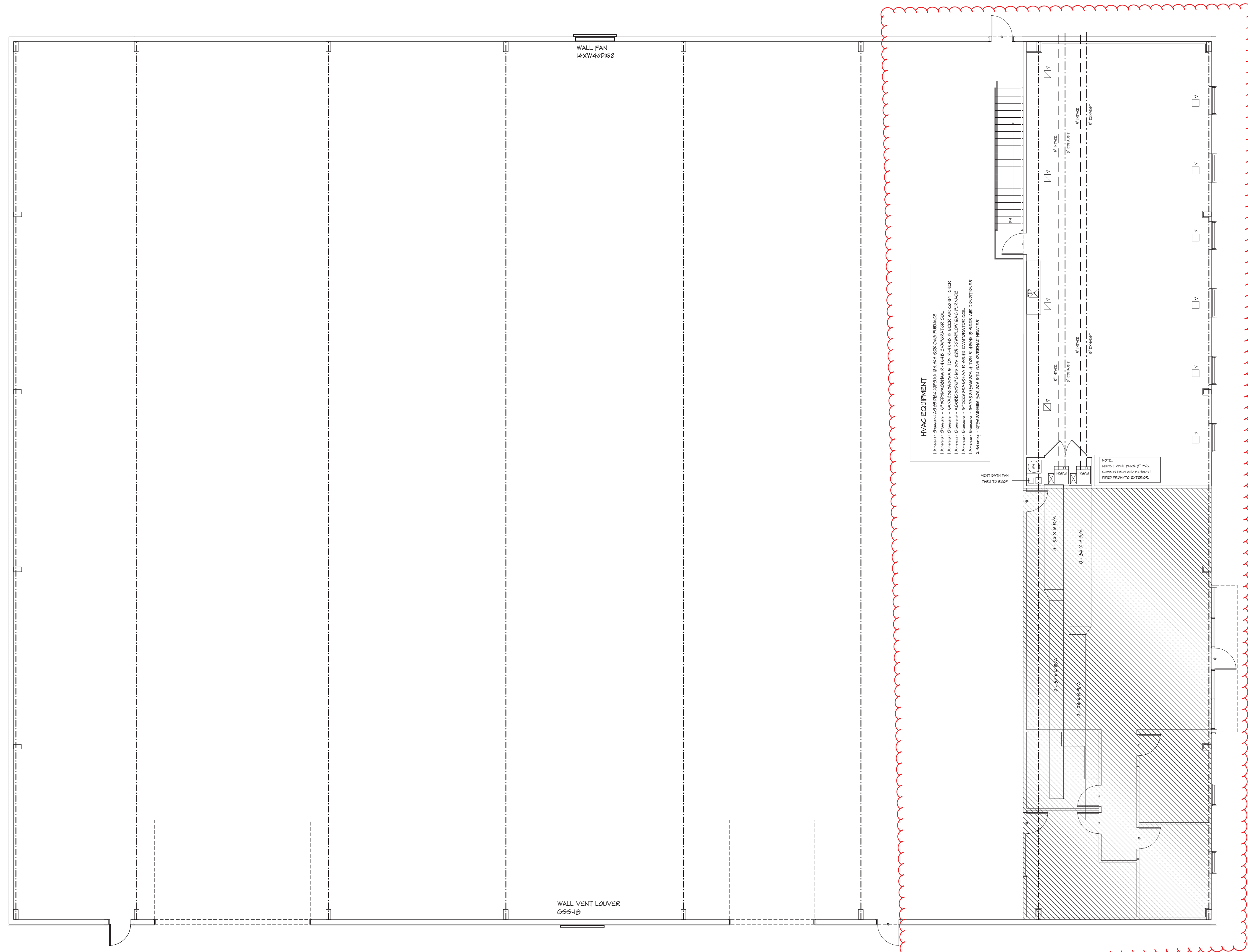


LOWER LEVEL HVAC PLAN  
 1/8" = 1'-0"

MECHANICAL CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS AND LOCATIONS OF ALL MECHANICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO, CHILLERS, BOILERS, CONDENSERS, COILS, PIPING, AND ELECTRICAL PANELS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LOCATIONS, AND COILS ARE CORRECTLY INSTALLED AND OPERATING. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES.

HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.:	SHEET NO.:
BUILDER:	PHONE:	DATE REVISED:	COM-899	8
SUB-DIVISION:	LOT NO.:	DESIGNER:	FILE NAME:	APPROX SQ.FT.:
			899 HVAC	899 HVAC



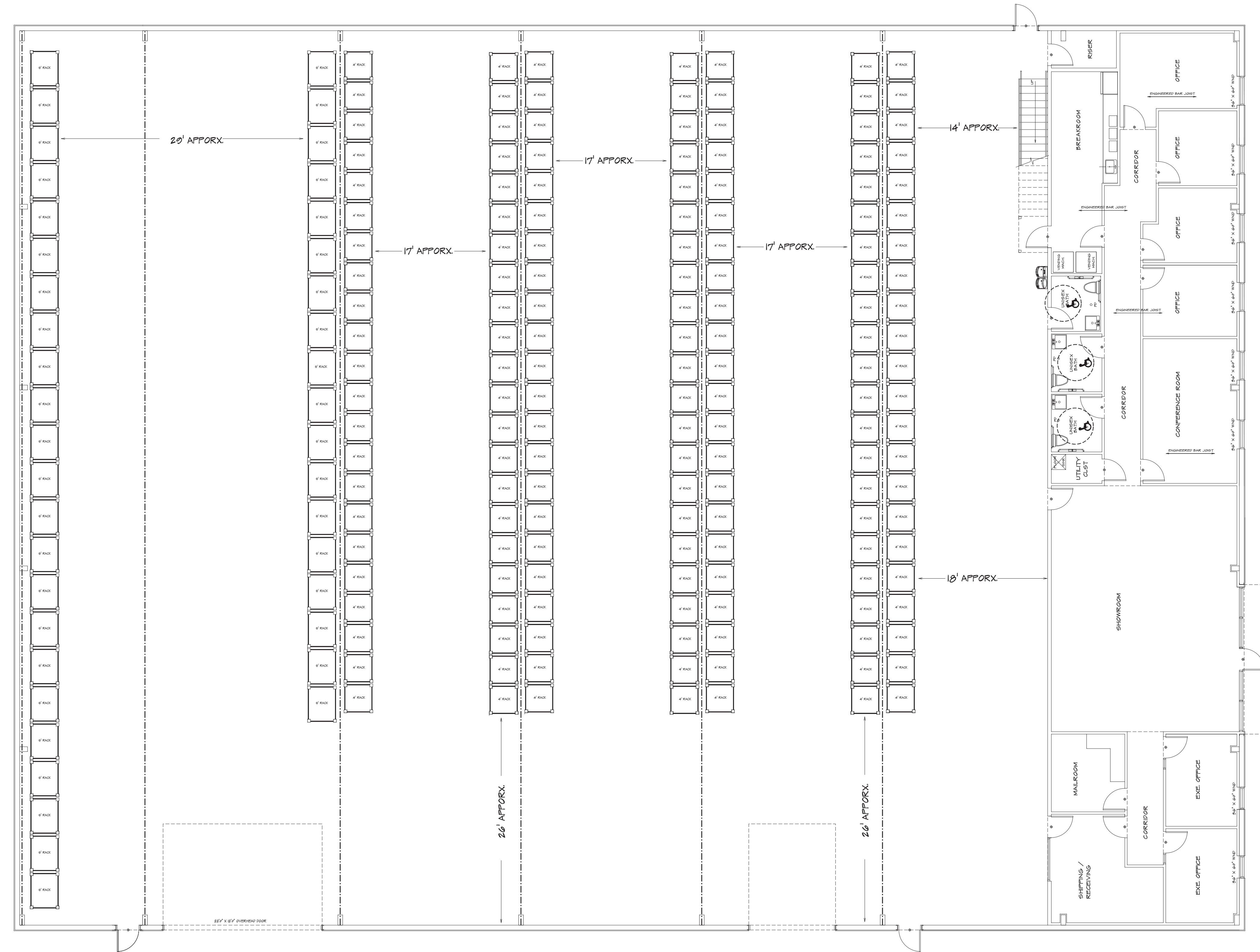
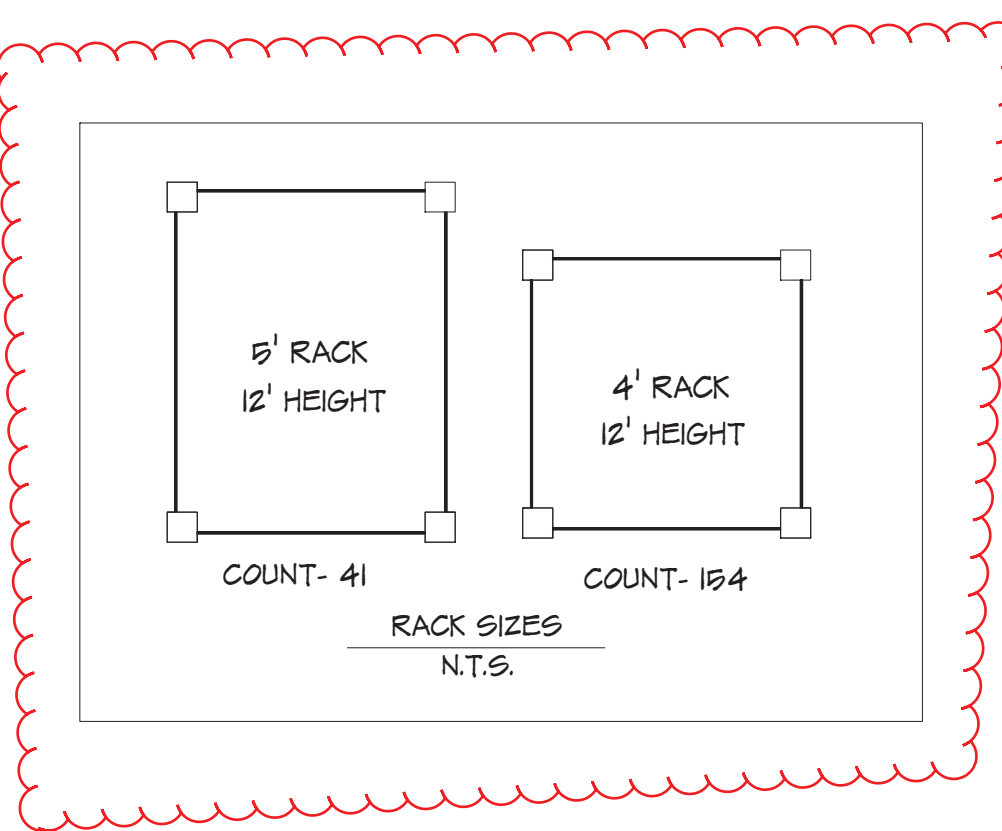


UPPER LEVEL HVAC PLAN  
 1/8" = 1'-0"

THESE DRAWINGS ARE PREPARED BY THE ARCHITECT FOR THE CLIENT'S USE. THE ARCHITECT'S LIABILITY IS LIMITED TO THE DESIGN OF THE BUILDING AND ITS STRUCTURE. THE ARCHITECT DOES NOT WARRANT THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT OR THE BUILDING OFFICIALS. THE ARCHITECT DOES NOT WARRANT THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT OR THE BUILDING OFFICIALS. THE ARCHITECT DOES NOT WARRANT THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT OR THE BUILDING OFFICIALS.

HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.:	SHEET NO.:
BUILDER:	PHONE:	DATE REVISED:	COM-899	0
SUB-DIVISION:	LOT NO.:	DESIGNER:	FILE NAME:	APPROX. SQ. FT.:
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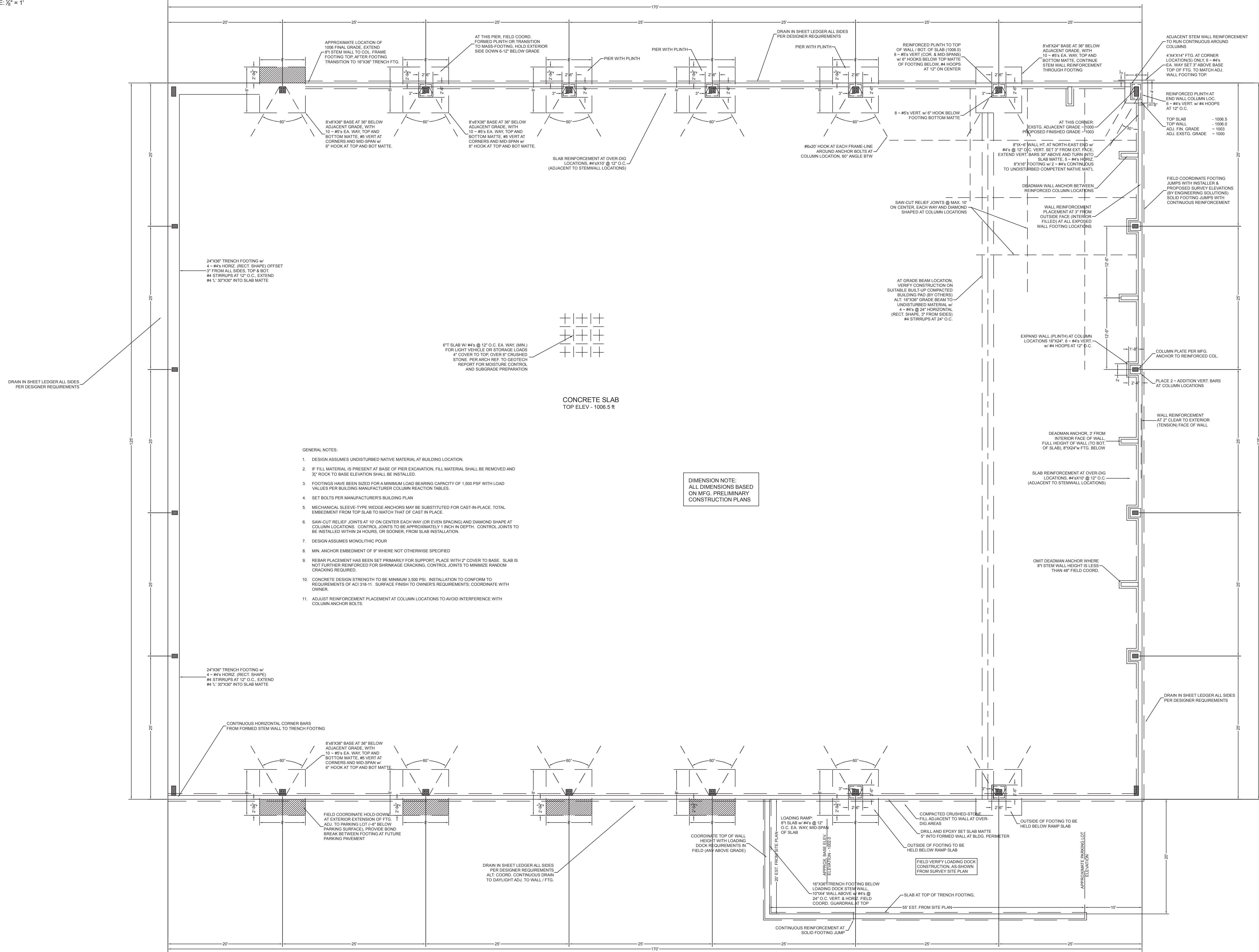


RACK LAY-OUT  
FIRST FLOOR  
1/8" = 1'-0"

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BUILDER:	PHONE:	DATE REVISED:	COM-899	3
SUB-DIVISION:	LOT NO.:	DESIGNER:	FILE NAME:	APPROX SQ.FT.:
			899P.P02	899P.P02



1 125'x170' MOMENT-FRAME BUILDING FOUNDATION  
 S1.0 SCALE: 1/8" = 1'



- GENERAL NOTES:
- DESIGN ASSUMES UNDISTURBED NATIVE MATERIAL AT BUILDING LOCATION.
  - IF FILL MATERIAL IS PRESENT AT BASE OF PIER EXCAVATION, FILL MATERIAL SHALL BE REMOVED AND 3/4" ROCK TO BASE ELEVATION SHALL BE INSTALLED.
  - FOOTINGS HAVE BEEN SIZED FOR A MINIMUM LOAD BEARING CAPACITY OF 1,500 PSF WITH LOAD VALUES PER BUILDING MANUFACTURER COLUMN REACTION TABLES.
  - SET BOLTS PER MANUFACTURER'S BUILDING PLAN.
  - MECHANICAL SLEEVE-TYPE WEDGE ANCHORS MAY BE SUBSTITUTED FOR CAST-IN-PLACE. TOTAL EMBEDMENT FROM TOP SLAB TO MATCH THAT OF CAST IN PLACE.
  - SAW-CUT RELIEF JOINTS AT 10' ON CENTER EACH WAY (OR EVEN SPACING) AND DIAMOND SHAPE AT COLUMN LOCATIONS. CONTROL JOINTS TO BE APPROXIMATELY 1 INCH IN DEPTH. CONTROL JOINTS TO BE INSTALLED WITHIN 24 HOURS, OR SOONER, FROM SLAB INSTALLATION.
  - DESIGN ASSUMES MONOLITHIC POUR.
  - MIN ANCHOR EMBEDMENT OF 9" WHERE NOT OTHERWISE SPECIFIED.
  - REBAR PLACEMENT HAS BEEN SET PRIMARILY FOR SUPPORT. PLACE WITH 2" COVER TO BASE. SLAB IS NOT FURTHER REINFORCED FOR SHRINKAGE CRACKING. CONTROL JOINTS TO MINIMIZE RANDOM CRACKING REQUIRED.
  - CONCRETE DESIGN STRENGTH TO BE MINIMUM 3,500 PSI. INSTALLATION TO CONFORM TO REQUIREMENTS OF ACI 318-11. SURFACE FINISH TO OWNER'S REQUIREMENTS; COORDINATE WITH OWNER.
  - ADJUST REINFORCEMENT PLACEMENT AT COLUMN LOCATIONS TO AVOID INTERFERENCE WITH COLUMN ANCHOR BOLTS.

DIMENSION NOTE:  
 ALL DIMENSIONS BASED ON MFG. PRELIMINARY CONSTRUCTION PLANS

SCALES

PROFILE	SCALE	NOTED
PLAN	SCALE	
HORIZ.	SCALE	
VERTICAL	SCALE	

BENCHMARK

NO.	DATE	DESCRIPTION	BY	ADD
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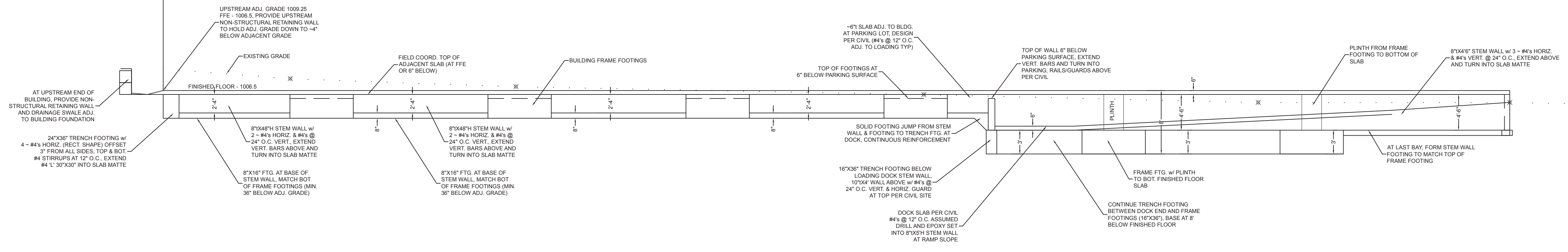
NEWBERRY LANDING  
 LOT 294 NEWBERRY LANDING  
 LEE'S SUMMIT, MO  
 MOMENT FRAME BLDG.  
 FOUNDATION PLAN

**ENGINEERING, P.C.**  
 CIVIL ENGINEERING CONSULTANTS  
 1805 WATERS ROAD, HARRISONVILLE, MISSOURI 64701  
 PH: (816) 380-5150 FAX: (816) 894-3220 EMAIL: MAIL@REDEENGINEERING.COM

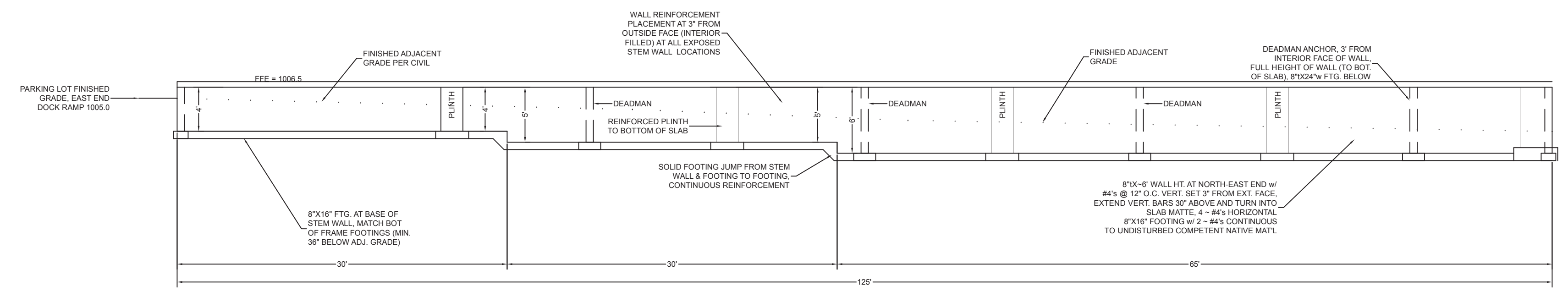


AARON OBERMILLER, P.E.  
 MO:PE-2008019580  
 KS:25237  
 PROJECT NUMBER  
 24-097-04  
 DATE  
 12-16-24  
 SHEET  
 S1.0

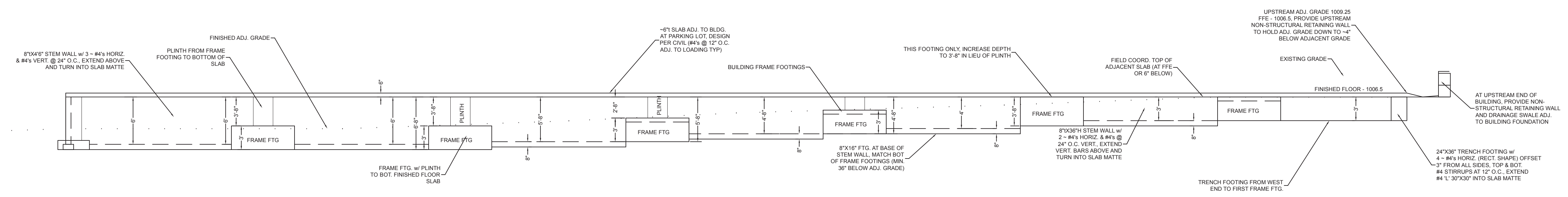
1 SOUTH FACE FOUNDATION  
S1.1 SCALE: 1/8" = 1'



1 EAST FACE FOUNDATION  
S1.1 SCALE: 1/8" = 1'



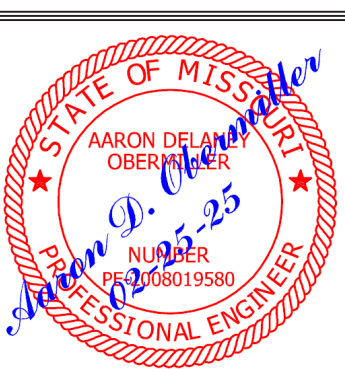
1 NORTH FACE FOUNDATION  
S1.1 SCALE: 1/8" = 1'



PROFILES		SCALE	
NO.	DESCRIPTION	HORIZ. SCALE	VERTICAL SCALE
1	12-16-24	FIRST PRINT	ADD

NEWBERRY LANDING  
LOT 294 NEWBERRY LANDING  
LEE'S SUMMIT, MO

MOMENT FRAME BLDG.  
FOUNDATION PLAN



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MO:PE-2008019580  
KS:25237

PROJECT NUMBER  
24-097-04

DATE  
12-16-24

SHEET  
S1.1

**4 GENERAL NOTES**

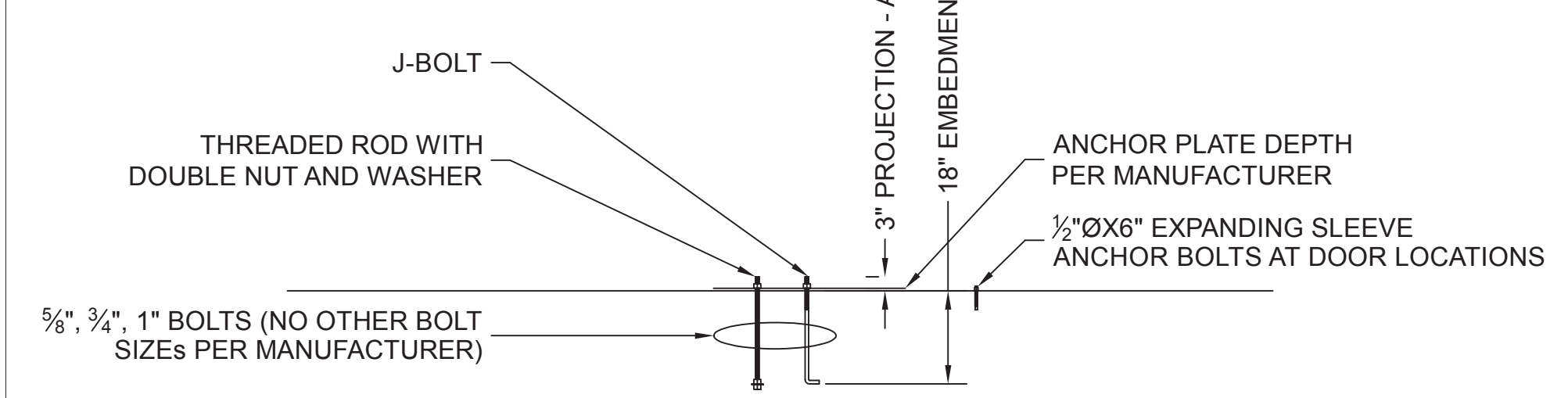
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- DESIGN ASSUMES UNDISTURBED NATIVE MATERIAL AT BUILDING LOCATION.
- IF FILL MATERIAL IS PRESENT AT BASE OF PIER EXCAVATION, FILL MATERIAL SHALL BE REMOVED AND 3/4" ROCK TO BASE ELEVATION SHALL BE INSTALLED. ALTERNATELY SUITABLE EARTHEN MATERIAL COMPACTED TO 95% OPTIMUM MAY BE PERMITTED.
- FOOTINGS HAVE BEEN SIZED FOR A MINIMUM LOAD BEARING CAPACITY OF 1,500 PSF WITH LOAD VALUES PER BUILDING MANUFACTURER COLUMN REACTION TABLES.
- SET BOLTS PER MANUFACTURER'S BUILDING PLAN
- MECHANICAL SLEEVE-TYPE WEDGE ANCHORS MAY BE SUBSTITUTED FOR CAST-IN-PLACE. TOTAL EMBEDMENT FROM TOP SLAB TO MATCH THAT OF CAST IN PLACE.
- SAW-CUT RELIEF JOINTS AT 10' ON CENTER EACH WAY (OR EVEN SPACING) AND DIAMOND SHAPE AT COLUMN LOCATIONS. CONTROL JOINTS TO BE APPROXIMATELY 1 INCH IN DEPTH. CONTROL JOINTS TO BE INSTALLED WITHIN 24 HOURS, OR SOONER, FROM SLAB INSTALLATION.
- DESIGN ASSUMES MONOLITHIC POUR
- MIN. ANCHOR EMBEDMENT OF 9" WHERE NOT OTHERWISE SPECIFIED. 6" EMBEDMENT AT NON-BEARING LOCATIONS (TYPICALLY DOOR / WINDOW FRAMES)
- REBAR PLACEMENT PRIMARILY FOR SUPPORT, PLACE WITH 2" COVER TO BASE. SLAB IS NOT FURTHER REINFORCED FOR SHRINKAGE CRACKING, CONTROL JOINTS TO MINIMIZE RANDOM CRACKING REQUIRED.
- CONCRETE DESIGN STRENGTH TO BE MINIMUM 3,500 PSI. INSTALLATION TO CONFORM TO REQUIREMENTS OF ACI 318-11. SURFACE FINISH TO OWNER'S REQUIREMENTS; COORDINATE WITH OWNER. COORDINATE FOR INCREASED CURE TIME FROM VAPOR BARRIER PLACEMENT.
- ADJUST REINFORCEMENT PLACEMENT AT COLUMN LOCATIONS TO AVOID INTERFERENCE WITH COLUMN ANCHOR BOLTS AS NECESSARY.

**5 ANCHOR BOLT EMBEDMENT DETAIL**

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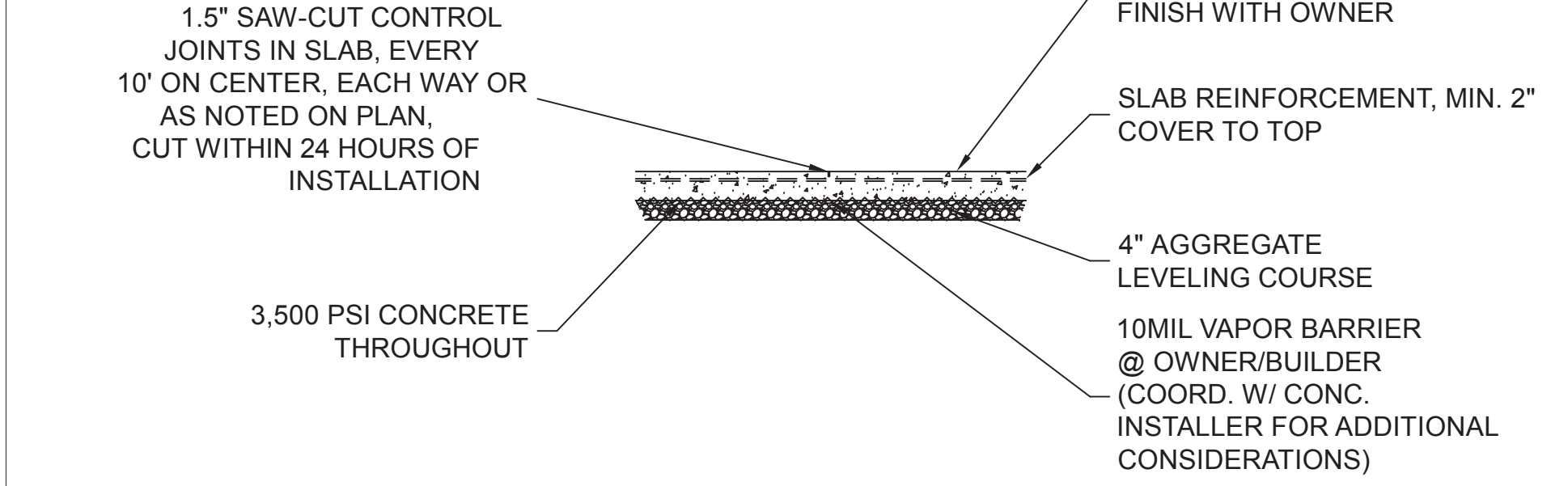
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**7 SAW CUT AT SLAB DETAIL**

S1.0

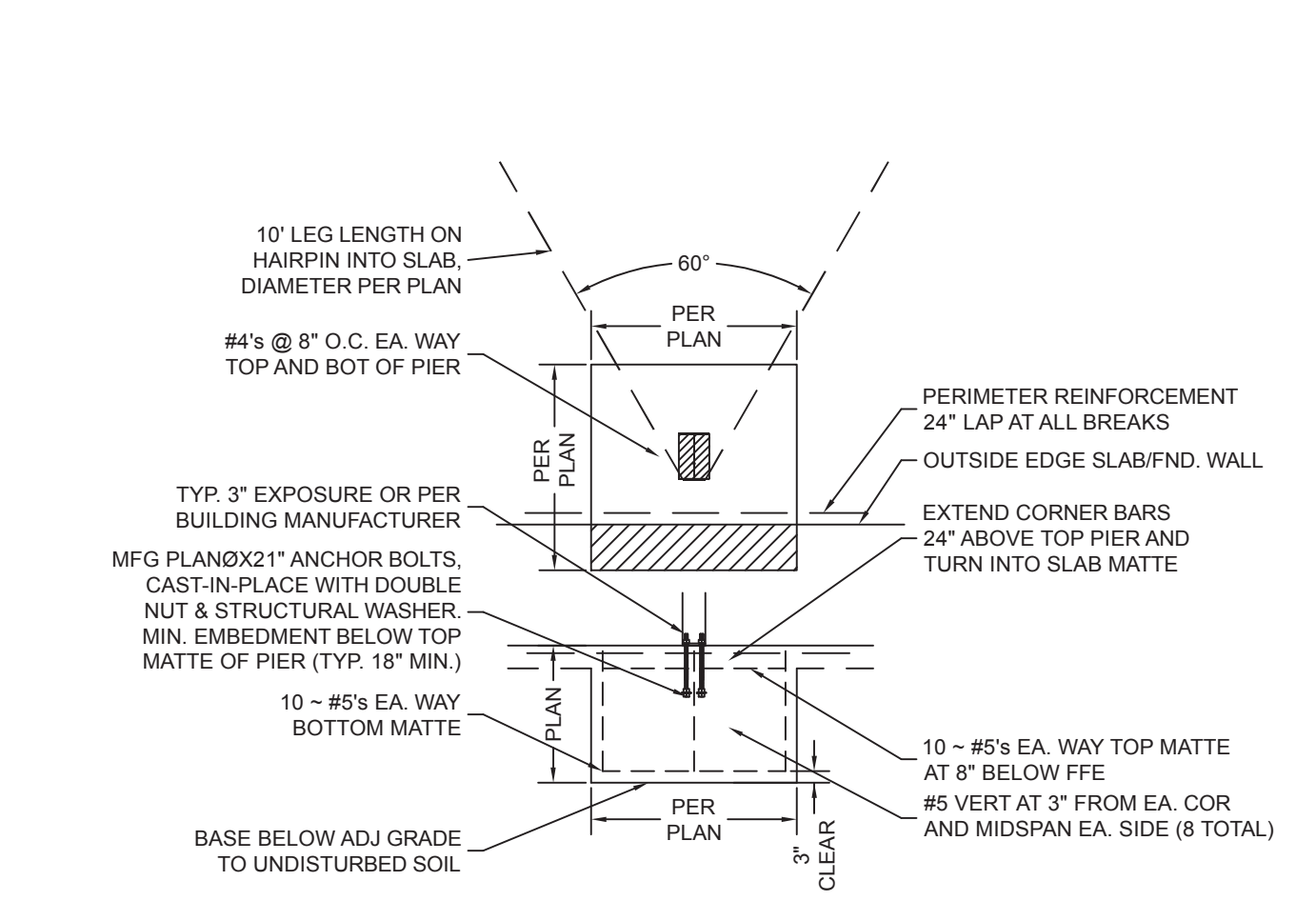
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**2 FRAME LINE PIERS**

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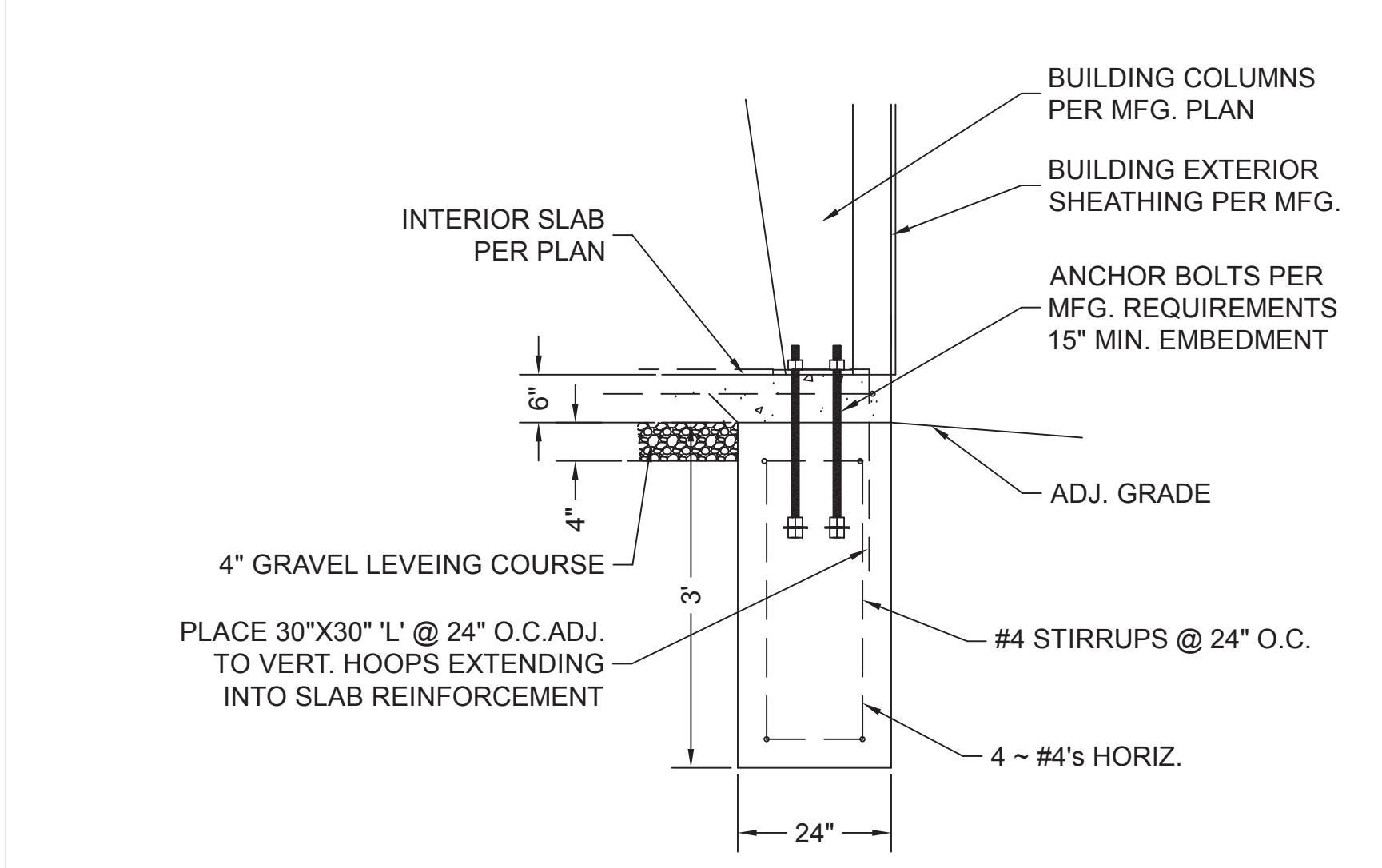
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**7 TYPICAL TRENCH FOOTING**

S1.0

SCALE: 3/4" = 1'



SCALES	
PLAN SCALE	NOTED
PROFILE HORIZ. SCALE	NOTED
VERTICAL SCALE	NOTED

NO.	DATE	DESCRIPTION	BY	
			AD	ADD
1	12-16-24	FIRST PRINT		

NEWBERRY LANDING  
LOT 294 NEWBERRY LANDING  
LEE'S SUMMIT, MO

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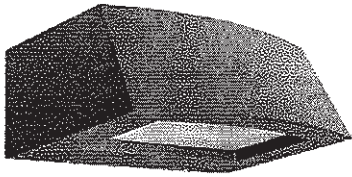
AARON OBERMILLER, P.E.  
MO:PE-2008019580  
KS:25237

PROJECT NUMBER  
24-097-04

DATE  
12-16-24

SHEET  
S1.2





# ARC2 LED

## Architectural Wall Luminaire



Catalog Number

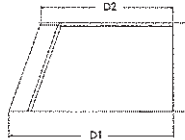
Notes

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Hit the Tab key or mouse over the page to see all interactive elements.

### Specifications

- Depth (D1):** 9.25"
- Depth (D2):** 7.5"
- Height:** 5"
- Width:** 14"
- Weight:** 11 lbs  
(without options)



### Introduction

The Lithonia Lighting ARC LED wall-mounted luminaires provide both architectural styling and visually comfortable illumination while providing the high energy savings and low initial costs for quick financial payback.

ARC2 delivers up to 6,500 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. It offers integrated emergency battery backup options, including an 8W cold temperature option, making it suitable for pedestrian scale applications in any environment.

### ARC LED Family Overview

Luminaire	Standard EM: 0°C	Cold EM: -20°C	Approximate Lumens (4000K)				
			P1	P2	P3	P4	P5
ARC1 LED	4W	—	1,500	2,000	3,000	—	—
ARC2 LED	4W	8W	1,500	2,000	3,000	4,000	6,500

### Ordering Information

**EXAMPLE: ARC2 LED P2 40K MVOLT PE DDBXD**

Series	Package	Color Temperature	Voltage	Options	Finish
ARC2 LED	P1 1,500 Lumens	30K 3000K	MVOLT 347V	E4WH Emergency battery backup, CEC compliant (4W, 0°C min) <sup>1</sup>	DDBXD Dark bronze
	P2 2,000 Lumens	40K 4000K		E8WC Emergency battery backup, CEC compliant (8W, -20°C min) <sup>1</sup>	DBLXD Black
	P3 3,000 Lumens	50K 5000K		PE Button type photocell for dusk-to-dawn operation	DNAXD Natural aluminum
	P4 4,000 Lumens			DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) <sup>2</sup>	DWHXD White
	P5 6,500 Lumens			SPD6KV 6kV surge protection <sup>1</sup>	DSSXD Sandstone
			FAO Field adjustable light output device. Allows for easy adjustment to the desired light levels, from 20% to 100% <sup>2</sup>	DDBTXD Textured dark bronze	
			LDS18 18" Fixture leads	DBL BXD Textured black	
				DNATXD Textured natural aluminum	
				DWHGXD Textured white	
				DSSTXD Textured sandstone	

### Accessories

Ordered and shipped separately.

WSBBW DDBXD U

Surface - mounted back box (specify finish)

### NOTES

- 1 347V not available with E4WH, E8WC and SPD6KV.
- 2 FAO not available with DMG.



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com  
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ARC2 LED  
Rev. 06/27/24

## Performance Data

### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	30K (3000K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)				
		Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P1	11W	1,502	142	0	0	1	1,587	150	0	0	1	1,598	151	0	0	1
P2	16W	2,250	140	0	0	1	2,377	147	0	0	1	2,393	148	0	0	1
P3	24W	3,206	135	0	0	1	3,387	143	0	0	1	3,410	144	0	0	1
P4	30W	3,903	128	1	0	1	4,124	136	1	0	1	4,152	136	1	0	1
P5	51W	6,260	122	1	0	1	6,615	129	1	0	1	6,659	130	1	0	1

### Electrical Load

Performance Package	System Watts	Current (A)				
		120V	208V	240V	277V	347V
P1	11W	0.090	0.055	0.049	0.046	0.045
P2	16W	0.141	0.081	0.072	0.064	0.059
P3	24W	0.202	0.117	0.103	0.091	0.079
P4	30W	0.280	0.162	0.144	0.128	0.095
P5	51W	0.471	0.272	0.239	0.212	0.158

### Lumen Output in Emergency Mode (4000K, 80 CRI)

Option	Lumens
E4WH	693
E8WC	1,413

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier
0°C / 32°F	1.04
10°C / 50°F	1.03
20°C / 68°F	1.01
25°C / 77°F	1.00
30°C / 86°F	0.99
40°C / 104°F	0.97

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11). To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

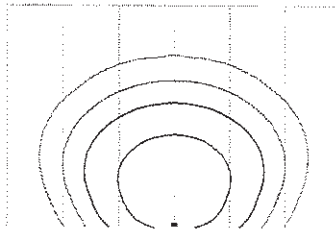
Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.93	>0.88

## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting ARC LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.

#### LEGEND

- 0.25 fc
- 0.5 fc
- 1.0 fc
- 3.0 fc



ARC2 LED P3 40K

MH = 15ft  
Grid = 15ft x 15ft



COMMERCIAL OUTDOOR

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ARC2 LED  
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## Emergency Egress Options

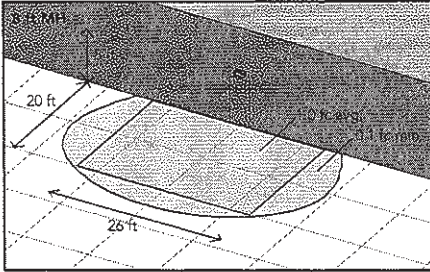
### Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90 minutes.

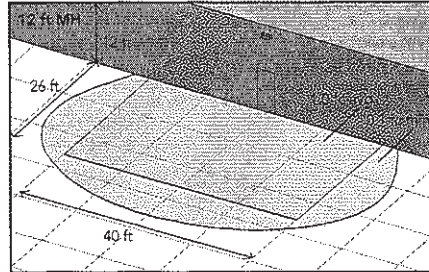
Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

The example below shows illuminance of 1 fc average and 0.1 fc minimum in emergency mode.

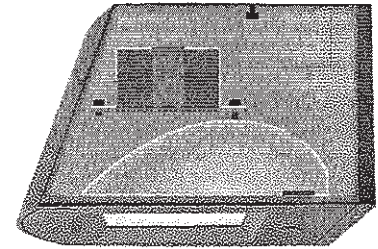
Grid = 10ft x 10ft



ARC2 LED 40K MVOLT E4WH

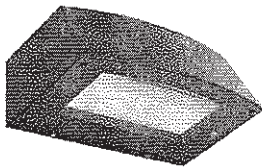


ARC2 LED 40K MVOLT E8WC



Self-contained solution for clean aesthetic

## Mounting, Options & Accessories

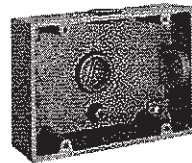


### E4WH and E8WC – Emergency Battery Backup

D = 6.5"

H = 5"

W = 11"



### BBW – Standard Back Box

D = 1.5"

H = 4"

W = 5.5"

For surface conduit applications.  
3/4" conduit entry holes.

## FEATURES & SPECIFICATIONS

### INTENDED USE

The clean architectural shape of the ARC LED was designed for applications such as hospitals, schools, malls, restaurants, and commercial buildings. The long-life LEDs and driver make this luminaire nearly maintenance-free.

### CONSTRUCTION

The die-cast aluminum housing and door act as heat sinks to optimize thermal transfer from the light engine and driver to promote long-life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

### FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

### OPTICS

Recessed lens to cut off high angle light and reduce glare. Combination of diffused lens and reflector design has low surface brightness creating a visually comfortable environment with great distribution. LEDs are fully hidden from view to eliminate pixelization and harsh glare. The ARC LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long-life (up to L88/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire is 0-10V dimmable.

### INSTALLATION

The universal wall plate, supplied with the luminaire, fits multiple size junction boxes and supports it during wiring for easy installation. Built-in wet location wiring compartment on the luminaire to accommodate wiring connections for applications with no junction box. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

### LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified. International DarkSky Association (IDA) Fixture Seal of approval (FSA) is available for all products on this page utilizing 3000K color temperature only. Rated for -40°C minimum ambient.

### WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.designlights.com/Products/warranty/terms-and-conditions](http://www.designlights.com/Products/warranty/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



COMMERCIAL OUTDOOR

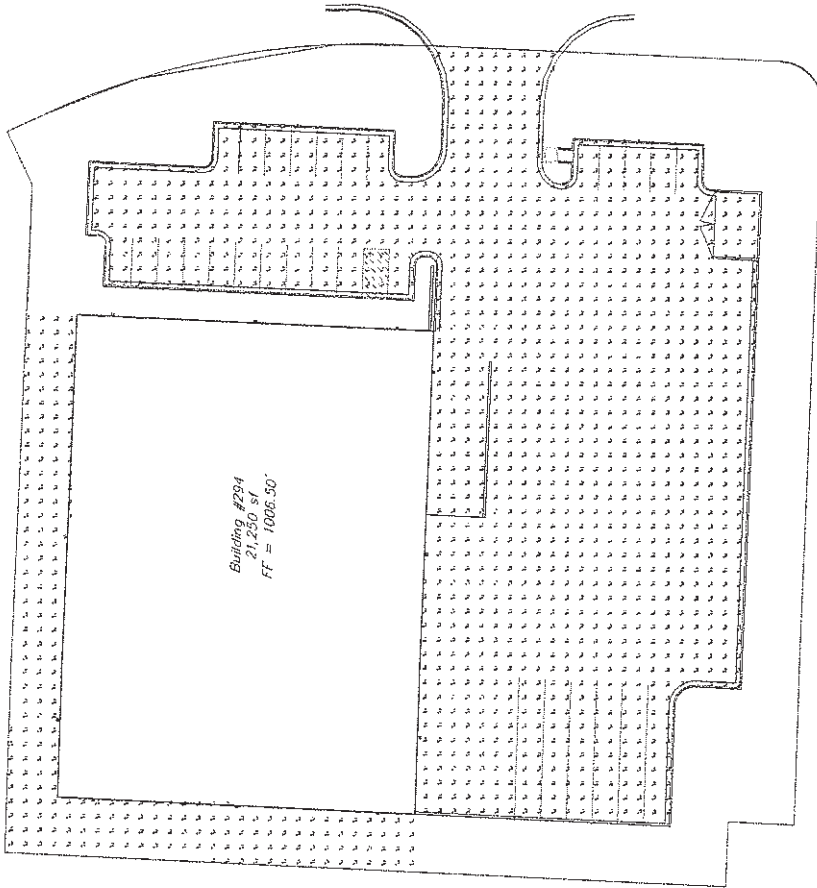
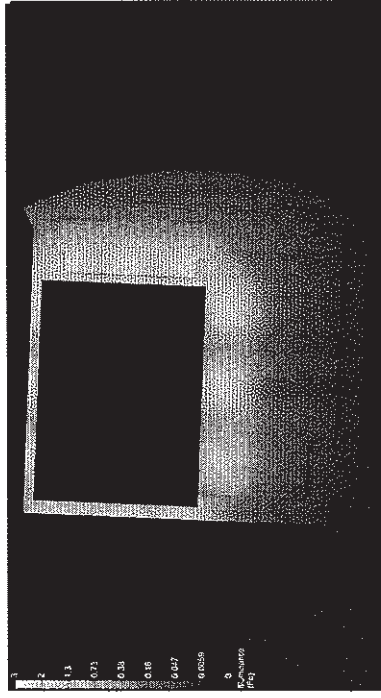
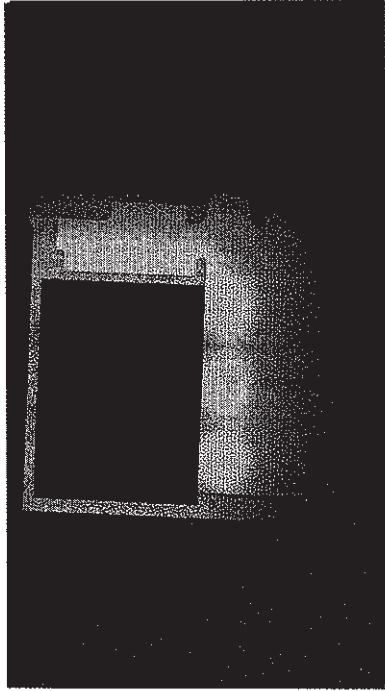
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ARC2 LED  
Rev. 08/27/24

#	Date	Comments

REVISIONS	

Drawn By: CJ Perrier Checked By: Premier Lighting Date: 9/10/2024	PREMIER LIGHTING & CONTROLS NEWSBURY LOT 294
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Scale: 1 inch = 20 Ft.

CALCULATION SUMMARY		White	Red	Min	Max	Avg/Min	Max/Min
LAB1	ILLUMINANCE FC	1.91	1.9	0.3	3.37	6.37	6.37
LAB2	ILLUMINANCE FC	0.44	0.3	0.03	0.63	0.63	0.63

TYPE	SYMBOL	QTY	UNIT	LABEL	LF	ZONE	NUMBER	ZONE	WATTAGE	WATTAGE/ZONE

CALCULATION NOTES:  
 CALC POINTS: 9  
 WALLS: 50A WALLS, 20A FLOORS  
 HGT: 8'4"  
 LRF: 0.81

**OUTSIDE AIR SUMMARY (SINGLE ZONE SYSTEMS) (NOTES 2 & 3)**

SYSTEM	SPACE	AREA (SQUARE FEET)	CALCULATED OCCUPANT TOTAL (Pz)	VENTILATION RATE (CFM/PERS) (Rp)	AREA OUTDOOR AIRFLOW IN BREATHING ZONE (Ra) CFM/SF	SPACE OUTDOOR AIRFLOW IN BREATHING ZONE $V_{bz}=R_p P_z+R_a A_z$ CFM	ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez) COOLING/HEATING (NOTE 1)	ZONE OUTDOOR AIRFLOW (Voz=Vbz/Ez) COOLING	ZONE OUTDOOR AIRFLOW (Voz=Vbz/Ez) HEATING	ZONE OUTDOOR AIR SETPOINT (CFM)	EXHAUST REQUIRED (CFM) (NOTE 5)	REMARKS
FURNACE F1	EXECUTIVE OFFICE 1	142	1	5	0.06	13.52	1.0/0.8	13.52	16.90	17		
	EXECUTIVE OFFICE 2	137	1	5	0.06	13.22	1.0/0.8	13.22	16.53	17		
	MAILROOM	113	1	5	0.06	11.78	1.0/0.8	11.78	14.73	15	57	6
	SHOWROOM	916	14	7.5	0.12	214.92	1.0/0.8	214.92	268.65	269		
	SHIPPING & RECEIVING	208	2	5	0.06	22.48	1.0/0.8	22.48	28.10	29		
	CORRIDOR	100	0	0	0.06	6.00	1.0/0.8	6.00	7.50	8		
	<b>TOTAL</b>	<b>1,616</b>	<b>19</b>							<b>355</b>	<b>57</b>	
FURNACE F2	CONFERENCE ROOM	278	14	5	0.06	86.68	1.0/0.8	86.68	108.35	109		
	OFFICE 1	139	1	5	0.06	13.34	1.0/0.8	13.34	16.68	17		
	OFFICE 2	135	1	5	0.06	13.10	1.0/0.8	13.10	16.38	17		
	OFFICE 3	123	1	5	0.06	12.38	1.0/0.8	12.38	15.48	16		
	OFFICE 4	197	1	5	0.06	16.82	1.0/0.8	16.82	21.03	22		
	BREAKROOM	267	14	5	0.06	86.02	1.0/0.8	86.02	107.53	108		
	UNISEX BATHROOM 1	63									70	
	UNISEX BATHROOM 2	66									70	
	UNISEX BATHROOM 3	66									70	
	CORRIDOR	249	0	0	0.06	14.94	1.0/0.8	14.94	18.68	19		
<b>TOTAL</b>	<b>1,583</b>	<b>32</b>							<b>308</b>	<b>210</b>		
WAREHOUSE		18,000	0	10	0.06	1080.00	1.0/0.8	1080.00	1350.00	1350		
	<b>TOTAL</b>	<b>18,000</b>	<b>0</b>							<b>1,350</b>	<b>0</b>	
MEZZANINE		297	0	10	0.06	17.82	1.0/0.8	17.82	22.28	23		
	<b>TOTAL</b>	<b>297</b>	<b>0</b>							<b>23</b>	<b>0</b>	

1. ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez) DETERMINED FROM TABLE 403.3.1.2 AND IS BASED ON AIR DISTRIBUTION CONFIGURATION IN ACCORDANCE WITH THE 2018 IMC.
2. CALCULATION DONE IN ACCORDANCE WITH 2018 IMC, CHAPTER 4.
3. VENTILATION AIR PROVIDED BY DIRECT CONNECTION TO THE OUTDOORS IN ACCORDANCE WITH SECTION 401, 2018 IMC.
4. BATHROOM MINIMUM EXHAUST AIR PROVIDED AT MINIMUM 70 CFM PER FIXTURE IN ACCORDANCE WITH CHAPTER 4, 2018 IMC.
5. SPACE EXHAUST REQUIRED AT THE INDICATED RATE.



02/05/2025