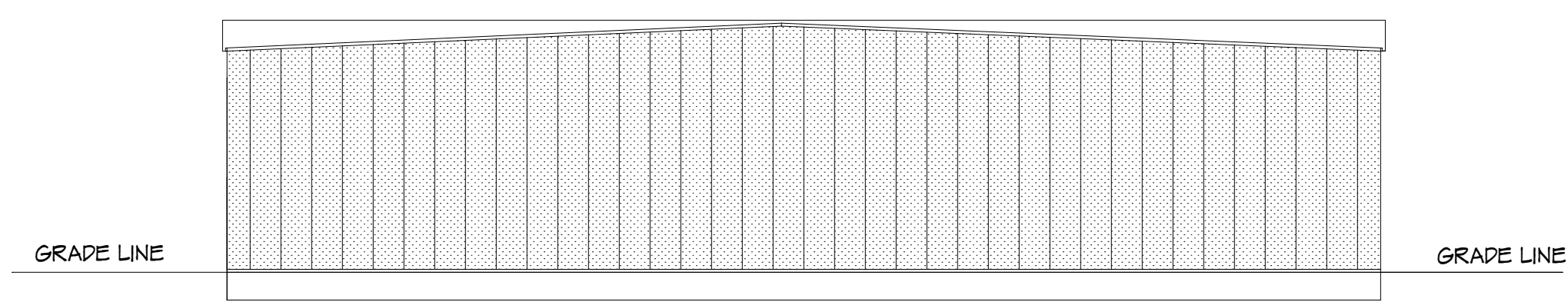
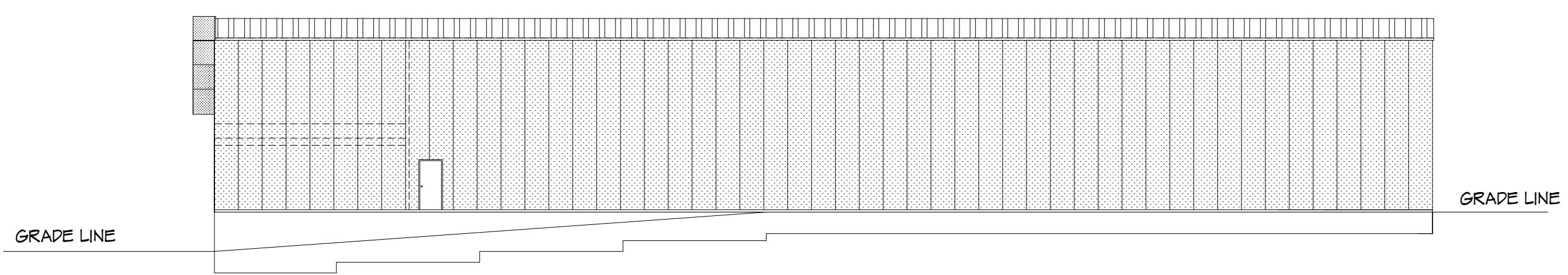


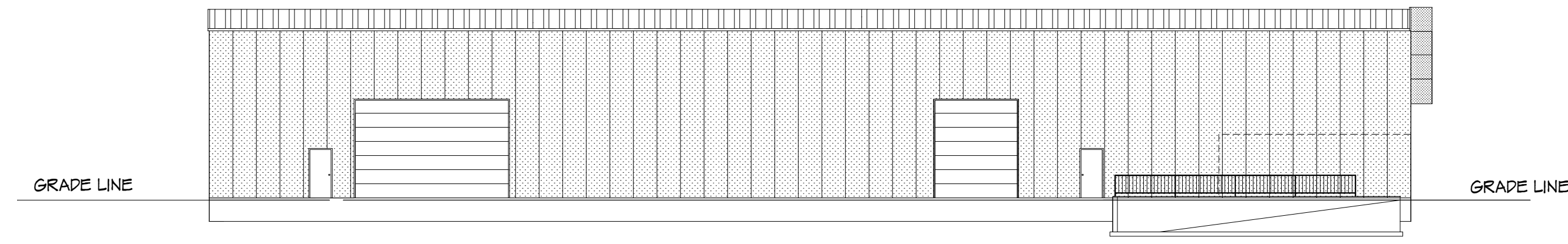
**FRONT ELEVATION**  
1/8" = 1'-0"



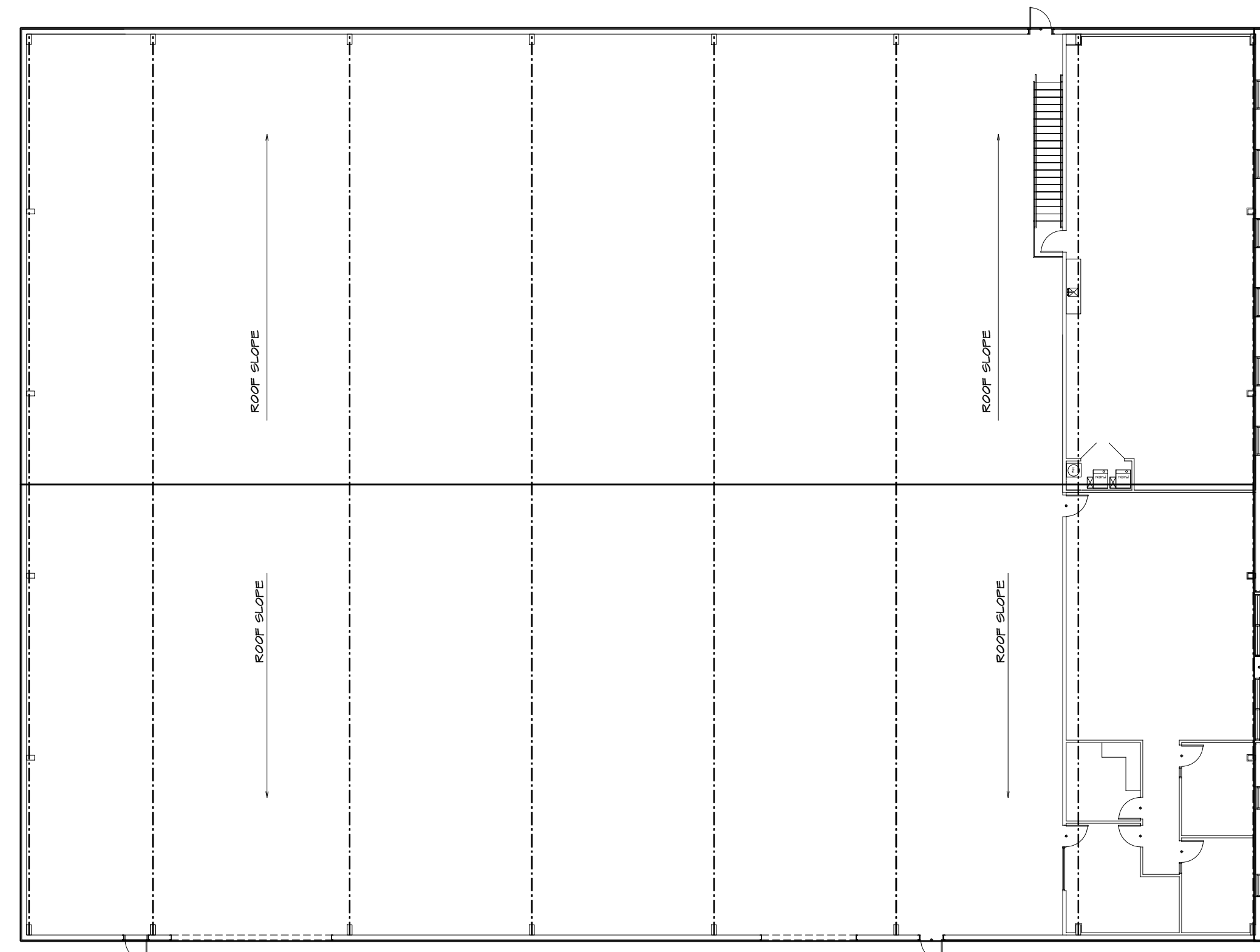
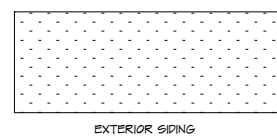
**REAR ELEVATION**  
1/16" = 1'-0"



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



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

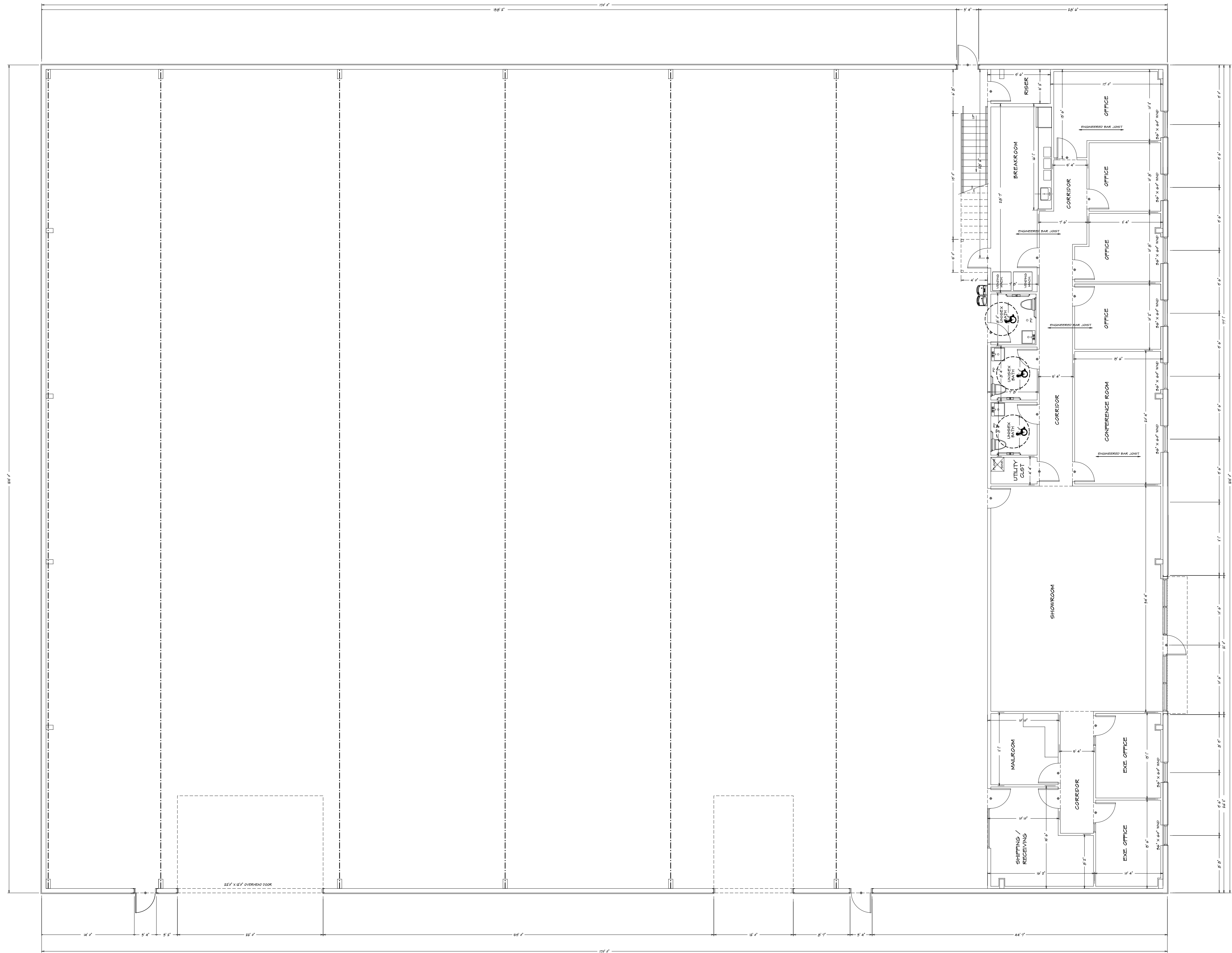


**ROOF ELEVATION**  
1/16" = 1'-0"

COPE NOTES	GENERAL NOTES	LOCATION PLAN / KEY PLAN
<p>ALL CONSTRUCTION FOR THIS PROJECT SHALL CONFORM TO THE REQUIREMENTS OF THE FOLLOWING CODES ALL AS AMENDED BY THE CITY OF JEFFERSON:</p> <p>IFAB INTERNATIONAL BUILDING CODE IFAB INTERNATIONAL MECHANICAL CODE IFAB INTERNATIONAL PLUMBING CODE IFAB INTERNATIONAL FIRE ALARM CODE IFAB INTERNATIONAL FIRE CODE 1 THE SAFETY CODE IFAB INTERNATIONAL ELECTRICAL CODE IFAB INTERNATIONAL ACCESSIBLE &amp; UNIVERSAL BUILDING AND FACILITIES ACT IFAB INTERNATIONAL DEVELOPMENT ORDINANCE IFAB INTERNATIONAL OCCUPANCY CLASSIFICATION (FIREMART) GROUP 2-1 IFAB INTERNATIONAL TENANT USE</p> <p>TYPE OF CONSTRUCTION (SEE 2018 IBC 103)</p> <p>INTERIOR FINISHES (SEE 2018 IBC 903)</p> <p>TENANT AREA - FINISHES: FLOOR - 1/2" x 3/4" x 1/8" GROUT WALLS - 1/2" x 3/4" x 1/8" GROUT CEILING - 1/2" x 3/4" x 1/8" GROUT</p> <p>OCCUPANT LOAD (TABLE 103.1)</p> <p>IFAB INTERNATIONAL PLUMBING CODE (IPC) 403.1 IFAB INTERNATIONAL ELECTRICAL CODE (IEC) 900.1 IFAB INTERNATIONAL MECHANICAL CODE (IMC) 903.1</p> <p>IFAB INTERNATIONAL MECHANICAL CODE (IMC) 903.1 IFAB INTERNATIONAL ELECTRICAL CODE (IEC) 900.1 IFAB INTERNATIONAL PLUMBING CODE (IPC) 403.1</p> <p>IFAB INTERNATIONAL MECHANICAL CODE (IMC) 903.1 IFAB INTERNATIONAL ELECTRICAL CODE (IEC) 900.1 IFAB INTERNATIONAL PLUMBING CODE (IPC) 403.1</p> <p>IFAB INTERNATIONAL MECHANICAL CODE (IMC) 903.1 IFAB INTERNATIONAL ELECTRICAL CODE (IEC) 900.1 IFAB INTERNATIONAL PLUMBING CODE (IPC) 403.1</p>	<p>1. ALL DIMENSIONS UNLESS OTHERWISE NOTED.</p> <p>2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS IN THE FIELD AND NOTIFY THE OWNER OF ANY DISCREPANCIES BEFORE PROCEEDING.</p> <p>3. PROVIDER IS RESPONSIBLE FOR ALL VULNERABILITY ASSESSMENTS FOR SUPPORT.</p> <p>4. CONTRACTOR TO DESIGN, COORDINATE, INSTALL, ETC. ALL CABLEWAYS, CABLEWAYS WITH OWNER.</p> <p>5. COORDINATE ALL PUMP, DUCT, WALL, AND DUCT LOCATION WITH OWNER BEFORE CONSTRUCTION.</p> <p>6. COORDINATE ALL FINISHES WITH OWNER.</p> <p>7. PROVIDE FIRE RATED PARTITION AS REQUIRED BY FIRE RATED WALL.</p> <p>8. FIELD VERIFY ALL DIMENSIONS AND SITE CONDITIONS.</p> <p>9. CONTRACTOR TO COORDINATE WITH ALL OTHER SUPPLIERS AND APPROVE THE CONTRACTOR'S WORK.</p> <p>10. NEW WALL CONSTRUCTION SHALL BE 24 GAUGE STEEL TRUCK AND BUILDING STUDIES SET 24" TO 48" ON 16" O.C. SYSTEM BOUND WALL STUDS SHALL BE DESIGNED IN ACCORDANCE WITH OTHER APPLICABLE CODES.</p> <p>11. WALL CONSTRUCTION IS PROPOSED BY THROUGH TO HAVE THE OTHER UNDESIGNED SURFACE TO A HEIGHT NOT LOWER THAN 8' 0" OFF.</p>	<p>HOME BUYER: _____</p> <p>BUILDER: _____</p> <p>SUB-DIVISION: _____</p>



DATE DRAWN:	DATE REVISED:	DATE REVISED:	DESIGNER:
FILE NO. COM-899	FILE NAME: 899 ELEV	FILE NAME: 899 ELEV	APPROX SQFT:
SHEET NO. 1	PLAN NO. COM-899	FILE NAME: 899 ELEV	APPROX SQFT:



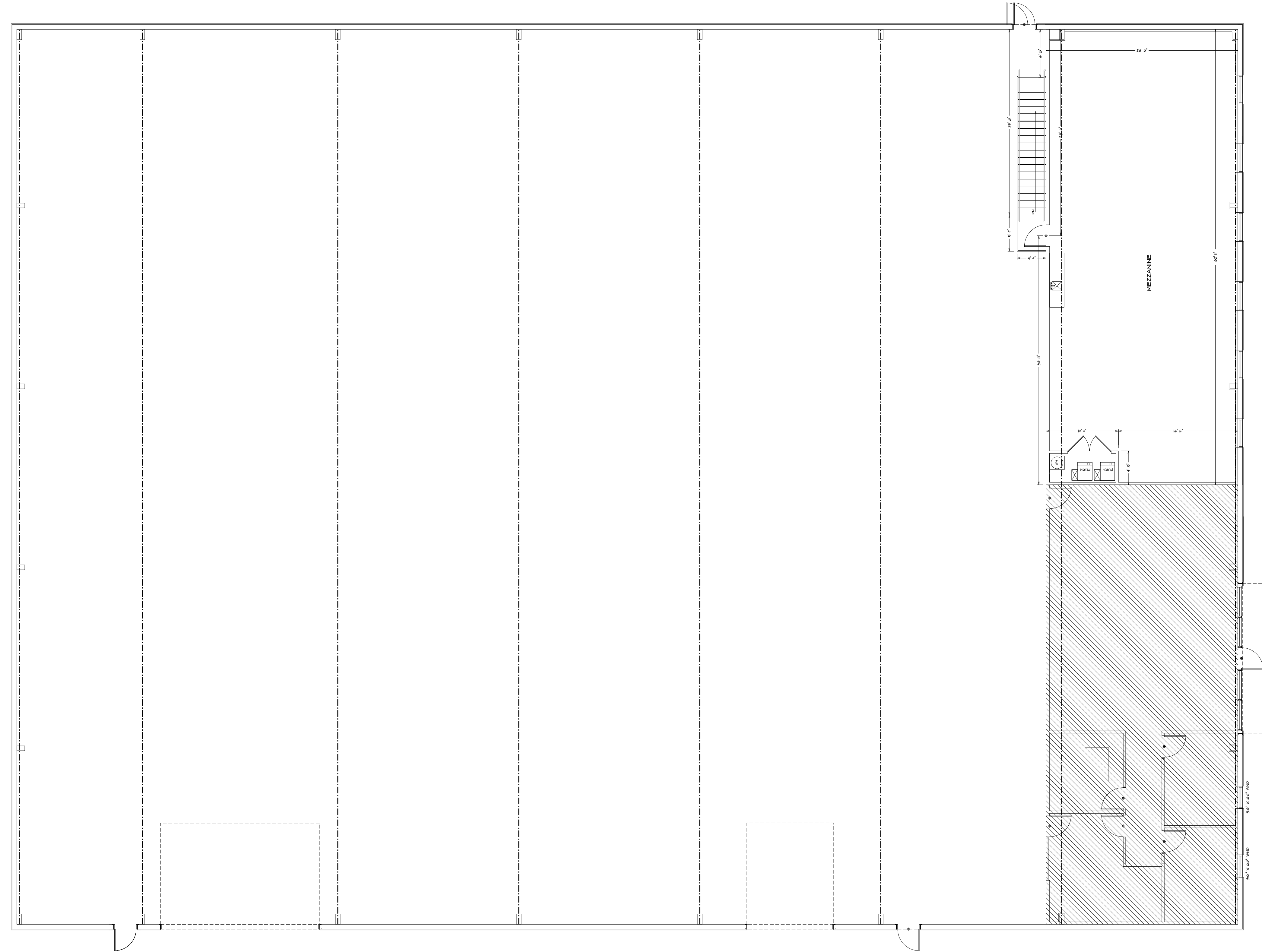
**FIRST FLOOR**  
1/8" = 1'-0"

HANDICAP TOILET RM. ELEVATIONS	GENERAL NOTES	MECH / ELEC / PLUMB. NOTES
<p><b>GENERAL LAYOUT</b></p> <p><b>NOTES:</b></p> <ul style="list-style-type: none"> <li>1. ALL TOILET ROOMS SHALL BE 6'-0" X 6'-0" MINIMUM SIZE.</li> <li>2. ALL TOILET ROOMS SHALL BE 6'-0" X 6'-0" MINIMUM SIZE.</li> <li>3. ALL TOILET ROOMS SHALL BE 6'-0" X 6'-0" MINIMUM SIZE.</li> <li>4. ALL TOILET ROOMS SHALL BE 6'-0" X 6'-0" MINIMUM SIZE.</li> <li>5. ALL TOILET ROOMS SHALL BE 6'-0" X 6'-0" MINIMUM SIZE.</li> <li>6. ALL TOILET ROOMS SHALL BE 6'-0" X 6'-0" MINIMUM SIZE.</li> <li>7. ALL TOILET ROOMS SHALL BE 6'-0" X 6'-0" MINIMUM SIZE.</li> <li>8. ALL TOILET ROOMS SHALL BE 6'-0" X 6'-0" MINIMUM SIZE.</li> <li>9. ALL TOILET ROOMS SHALL BE 6'-0" X 6'-0" MINIMUM SIZE.</li> <li>10. ALL TOILET ROOMS SHALL BE 6'-0" X 6'-0" MINIMUM SIZE.</li> </ul>	<ol style="list-style-type: none"> <li>1. ALL DIMENSIONS UNLESS OTHERWISE NOTED SHALL BE TO CENTER UNLESS OTHERWISE NOTED.</li> <li>2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND REPORT THE OWNER OF ANY DISCREPANCIES BEFORE PROCEEDING.</li> <li>3. PROVIDE BIDDING IN ALL WALLS AS REQUIRED FOR SUPPORT.</li> <li>4. CONTRACTOR TO DESIGN, COORDINATE, INSTALL, ETC. ALL CARBONADO HALLWAYS WITH OWNER.</li> <li>5. COORDINATE ALL FINAL OUTLET, WALL AND DOOR LOCATION W/ OWNER BEFORE CONSTRUCTION.</li> <li>6. COORDINATE ALL FINISHES WITH OWNER.</li> <li>7. PROVIDE FIRE EXTINGUISHERS AS REQUIRED BY FIRE DEPARTMENT.</li> <li>8. PRELIM VERIFY ALL DIMENSIONS AND WITH CONTRACTOR.</li> <li>9. CONTRACTOR TO COORDINATE W/ OWNER ON ALL ITEMS SUPPLIED AND APPROXIMATE THE CONTRACTOR'S WORK.</li> <li>10. INTERIOR WALL CONSTRUCTION SHALL BE 5/8" GYPSUM BOARD AND FINISHING. STUDS SET @ 16" OC W/ 1/2" GYPSUM BOARD. WALL STUDS SHALL BE FINISHED IN ACCORDANCE WITH OTHER ADDS OR ASH 09P.</li> <li>11. PRELIM COORDINATE ALL PROPOSED PARTITIONS TO HAVE THE OTHER NON-DEPENDENT SURFACE TO A HEIGHT NOT LESS THAN 48" OFF.</li> </ol>	<ol style="list-style-type: none"> <li>1. THE EXTENSION OF THE MECH, ELEC, AND PLUMBING SYSTEMS SHALL BE ON A DESIGN-BUILD BASIS BY THE GENERAL CONTRACTOR.</li> <li>2. CONTRACTOR TO INSTALL COMMERCIAL GRADE BLOC OUTLETS, SWITCHES, PLUMB FIXTURES ETC. COORDINATE ALL OUTLET LOCATION WITH PLAN.</li> <li>3. HVAC AND FIXTURES TO BE DESIGNED BY OTHERS.</li> <li>4. ALL ELECTRICAL WORK SHALL COMPLY WITH BAC 900.</li> <li>5. ALL WIRING SHALL BE IN RIGID CONDUIT OR MC CABLE, UNLESS WHERE SHOWN SHALL BE W/ AND HORIZONTAL CONDUIT ROSE SHALL BE 1/2" RIGID 3/4" ECT CONDUIT VOLTAGE RATED 600V.</li> <li>6. ELECTRICAL PANELS IN 200 AMP OR W/ 4 250V CU TRANSFORMER SHALL BE 2" X 4" SET CONDUIT VOLTAGE RATED 600V.</li> <li>7. PROVIDE EXIT SIGNS AND EMERGENCY LIGHTS TO BE IN ACCORDANCE WITH ALL CODES AND REGULATIONS.</li> </ol>



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SUB-DIVISION:	LOT NO.	DESIGNER:	FILE NAME:	APPROX SQFT:
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PLUMBING CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS FOR ACCURACY BETWEEN FLOORS, FOUNDATION AND ELEVATIONS. ALSO VERIFY ALL ROOM, CORRIDOR, AND WALL DIMENSIONS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND REPORT THE OWNER OF ANY DISCREPANCIES BEFORE PROCEEDING. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND WITH CONTRACTOR. 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 FINISHING. STUDS SET @ 16" OC W/ 1/2" GYPSUM BOARD. WALL STUDS SHALL BE FINISHED IN ACCORDANCE WITH OTHER ADDS OR ASH 09P. PRELIM COORDINATE ALL PROPOSED PARTITIONS TO HAVE THE OTHER NON-DEPENDENT SURFACE TO A HEIGHT NOT LESS THAN 48" OFF.

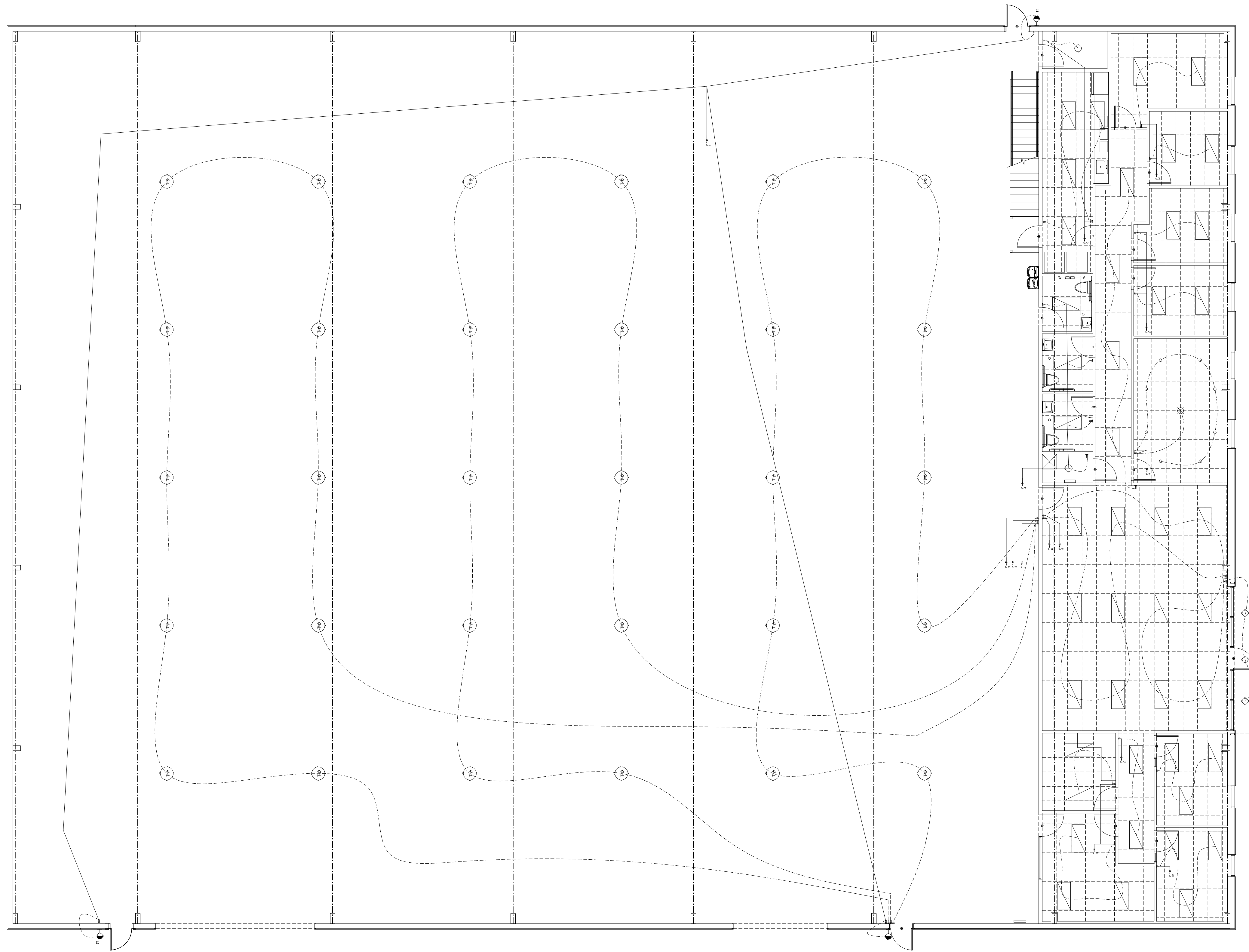


SECOND FLOOR  
 1/8" = 1'-0"

CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND LOCATIONS OF ALL EXISTING AND PROPOSED STRUCTURES AND UTILITIES. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LOCATIONS AND CONDITIONS OF ALL EXISTING AND PROPOSED STRUCTURES AND UTILITIES. 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.

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BUILDER:	PHONE:	DATE REVISED:	COM-899	4
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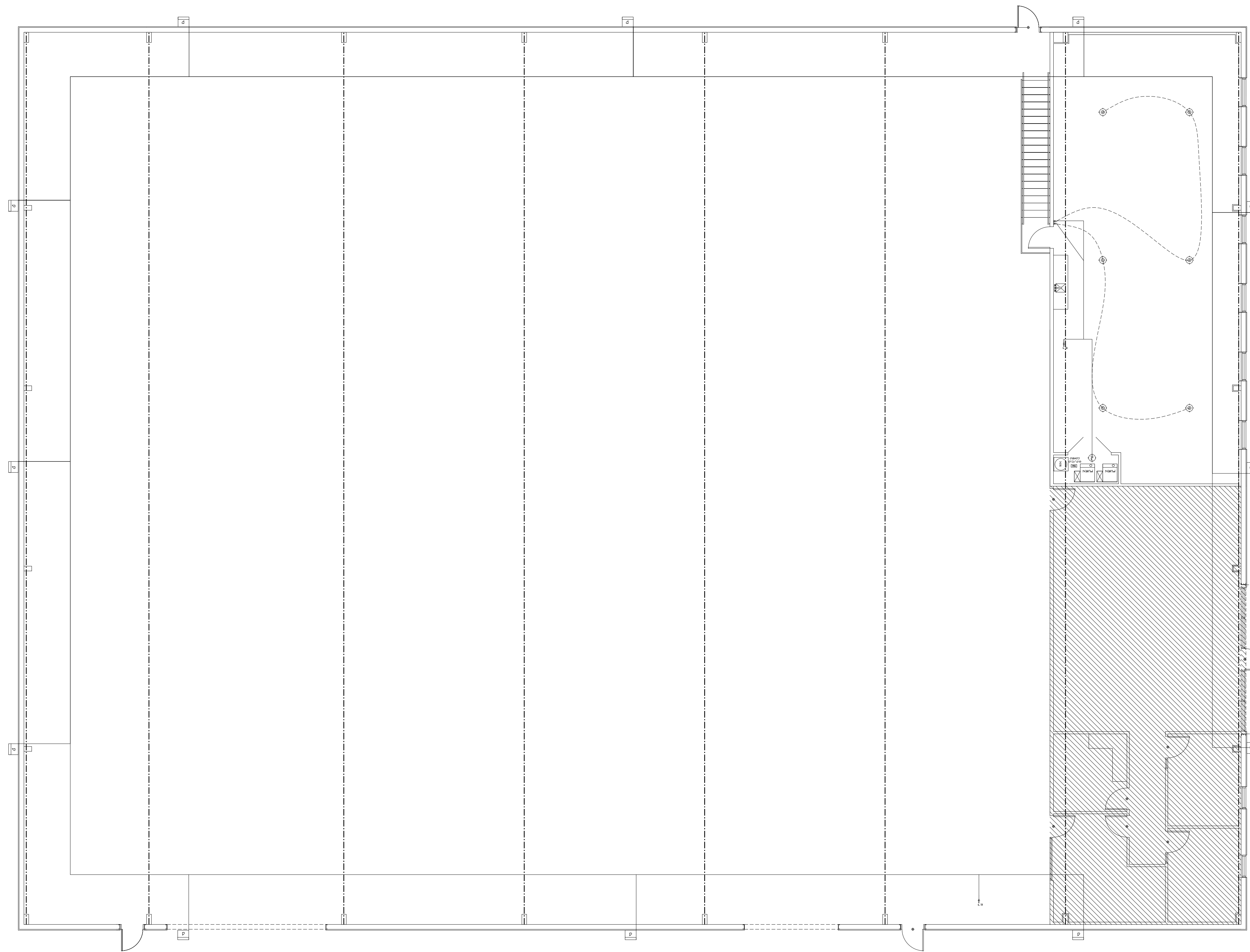


LOWER LEVEL LIGHTING PLAN  
 1/8" = 10'

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 OF THE BUILDING AND THE WORK SHOWN HEREON. THE ARCHITECT DOES NOT ASSUME RESPONSIBILITY FOR THE DESIGN OF ANY OTHER WORK SHOWN ON THESE DRAWINGS. THE ARCHITECT'S RESPONSIBILITY IS LIMITED TO THE DESIGN OF THE BUILDING AND THE WORK SHOWN HEREON. THE ARCHITECT DOES NOT ASSUME RESPONSIBILITY FOR THE DESIGN OF ANY OTHER WORK SHOWN ON THESE DRAWINGS.

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SUB-DIVISION:	LOT NO.:	DESIGNER:	FILE NAME:	APPROX. SQ. FT.:
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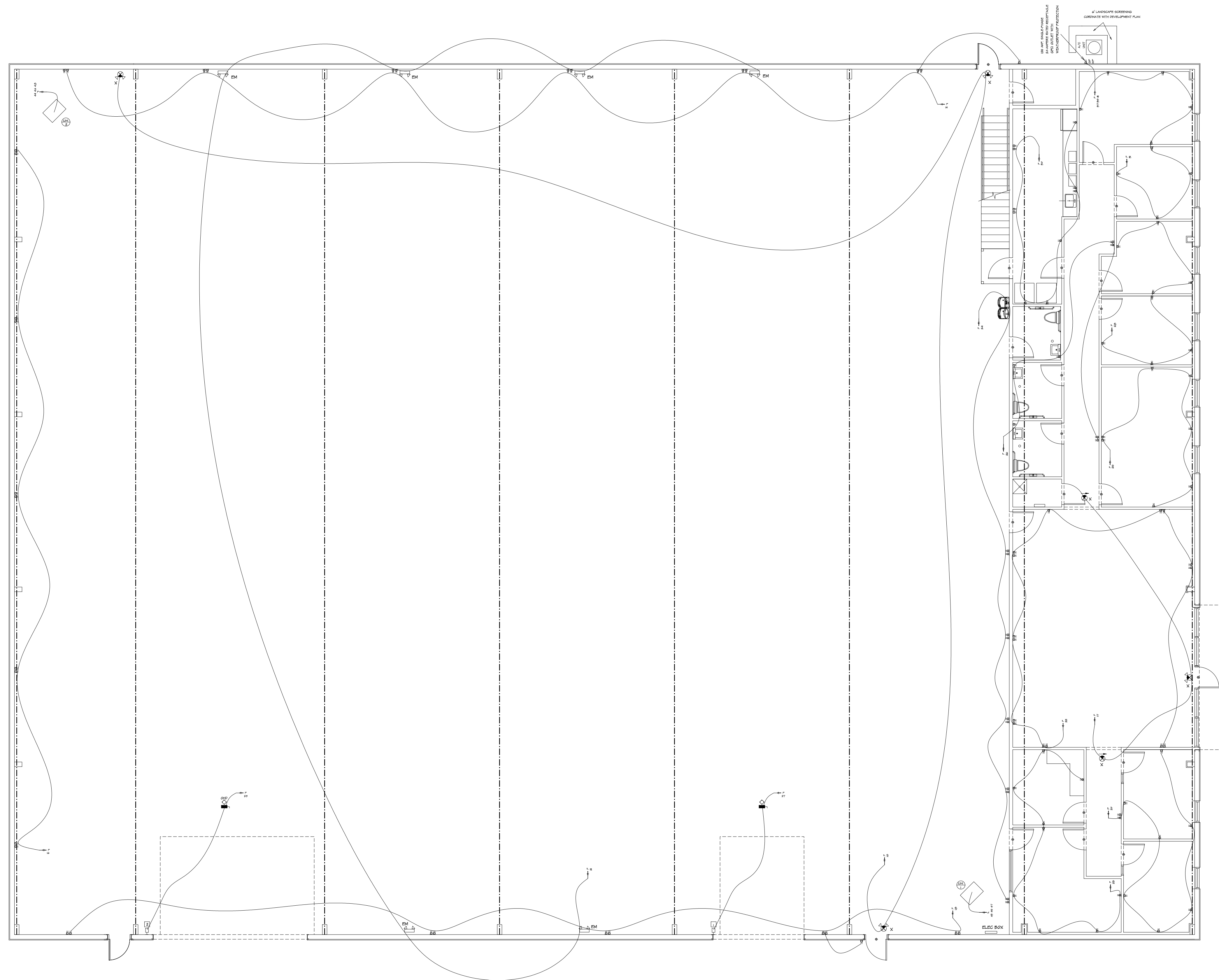


UPPER LEVEL LIGHTING PLAN  
 1/8" = 1'-0"

THESE DRAWINGS ARE PREPARED BY THE ARCHITECT OR ENGINEER IN CONNECTION WITH THE DESIGN OF THE PROJECT AND ARE NOT TO BE USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OR ENGINEER. THE ARCHITECT OR ENGINEER ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED BY OTHER PROFESSIONALS OR FOR THE RESULTS OF ANY TESTS OR ANALYSES PERFORMED BY OTHER PROFESSIONALS. THE ARCHITECT OR ENGINEER DOES NOT WARRANT OR REPRESENT THAT THE INFORMATION PROVIDED IS COMPLETE OR ACCURATE. THE ARCHITECT OR ENGINEER DOES NOT WARRANT OR REPRESENT THAT THE INFORMATION PROVIDED IS COMPLETE OR ACCURATE. THE ARCHITECT OR ENGINEER DOES NOT WARRANT OR REPRESENT THAT THE INFORMATION PROVIDED IS COMPLETE OR ACCURATE.

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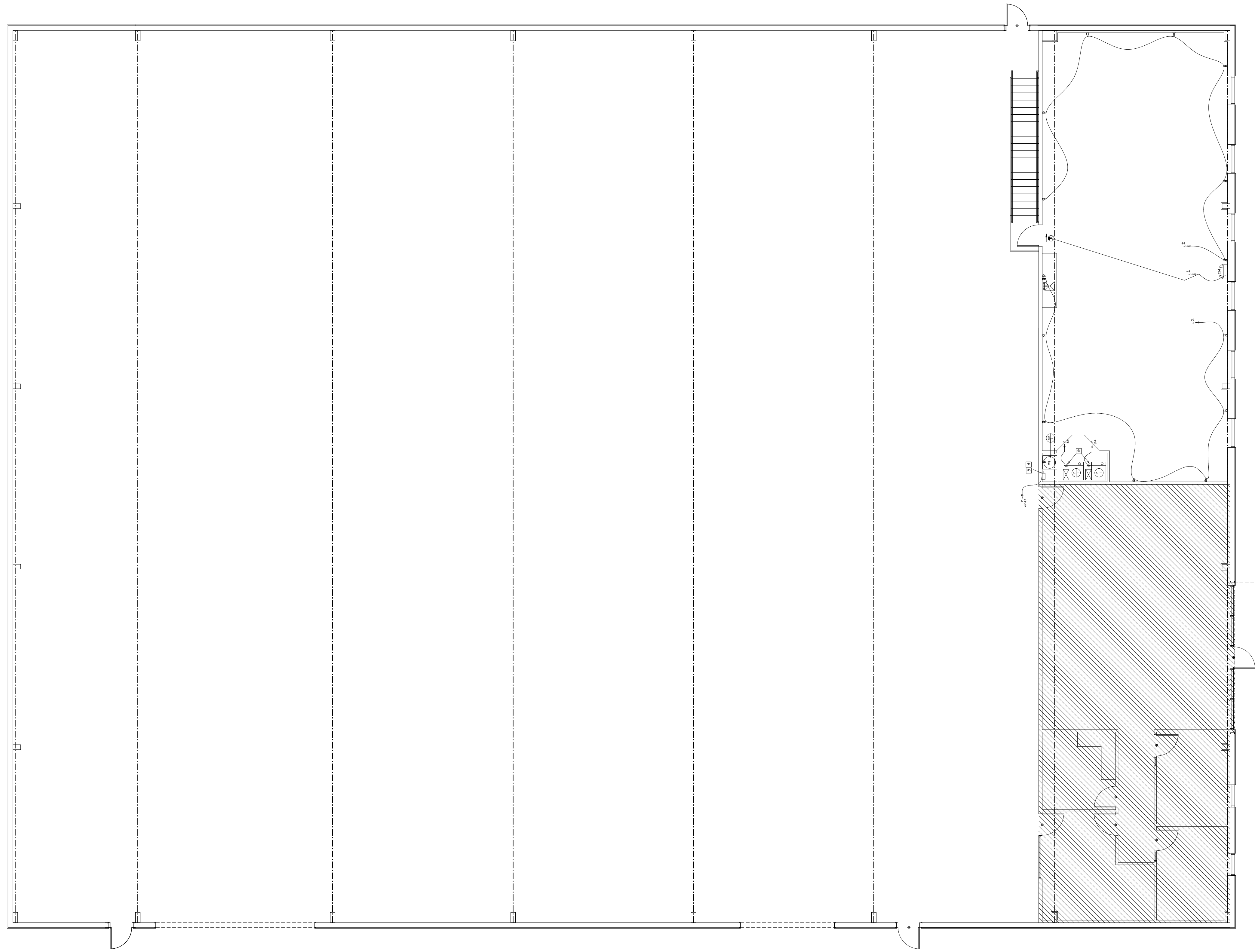


LOWER LEVEL POWER PLAN  
 1/8" = 10'

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 RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED BY OTHER PROFESSIONALS OR FOR THE RESULTS OF ANY TESTS OR ANALYSES PERFORMED BY OTHER PROFESSIONALS. THE ARCHITECT OR ENGINEER ACCEPTS NO RESPONSIBILITY FOR THE RESULTS OF ANY TESTS OR ANALYSES PERFORMED BY OTHER PROFESSIONALS. THE ARCHITECT OR ENGINEER ACCEPTS NO RESPONSIBILITY FOR THE RESULTS OF ANY TESTS OR ANALYSES PERFORMED BY OTHER PROFESSIONALS.

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BUILDER:	PHONE:	DATE REVISED:	CON-8899	7
SUB-DIVISION:	LOT NO.:	DESIGNER:	FILE NAME:	APPROX SQ.FT.:
			8998 E.3	





UPPER 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, AND SHALL VERIFY ALL DIMENSIONS, LOCATIONS, AND DEPTHS OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES.

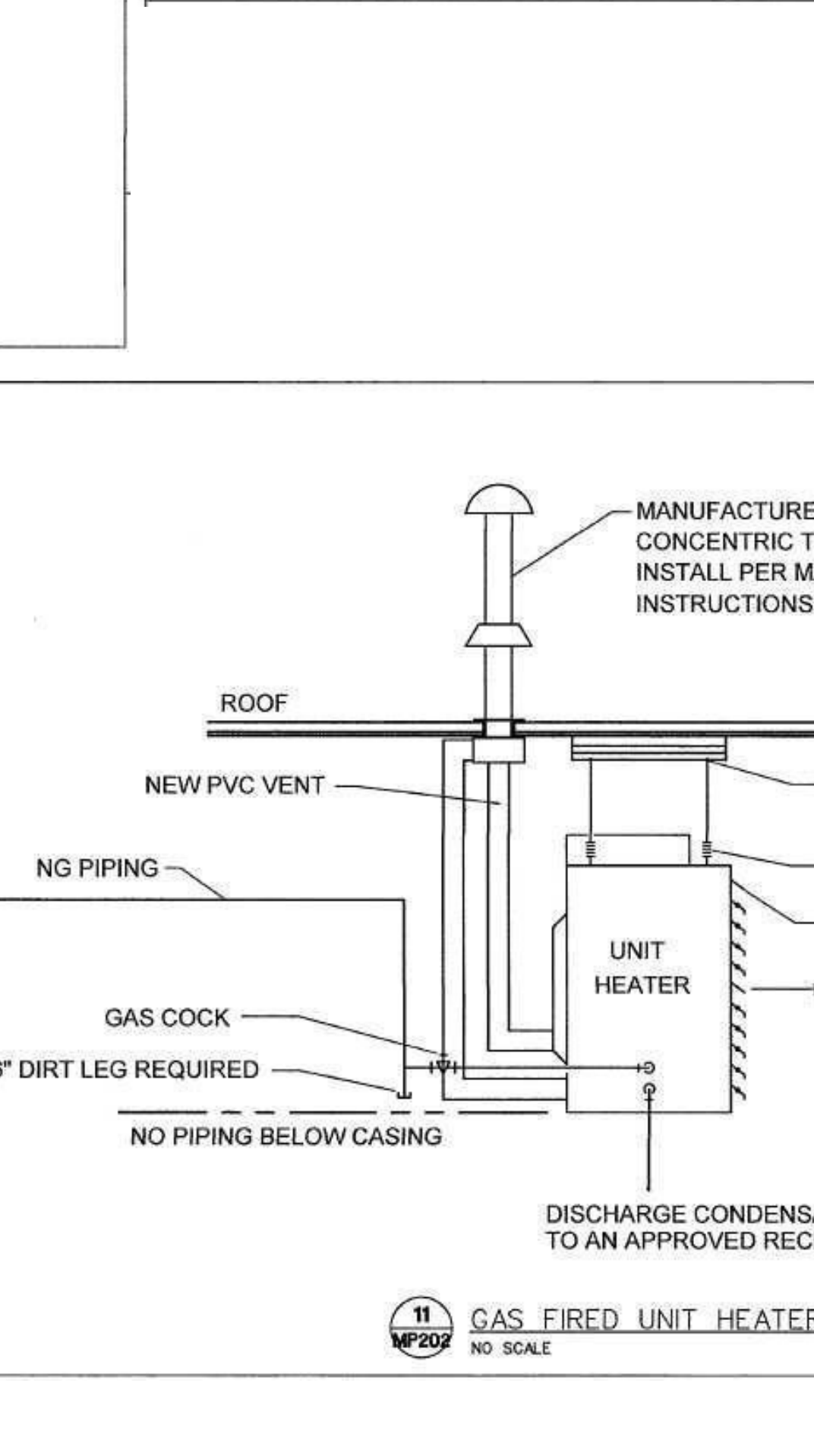
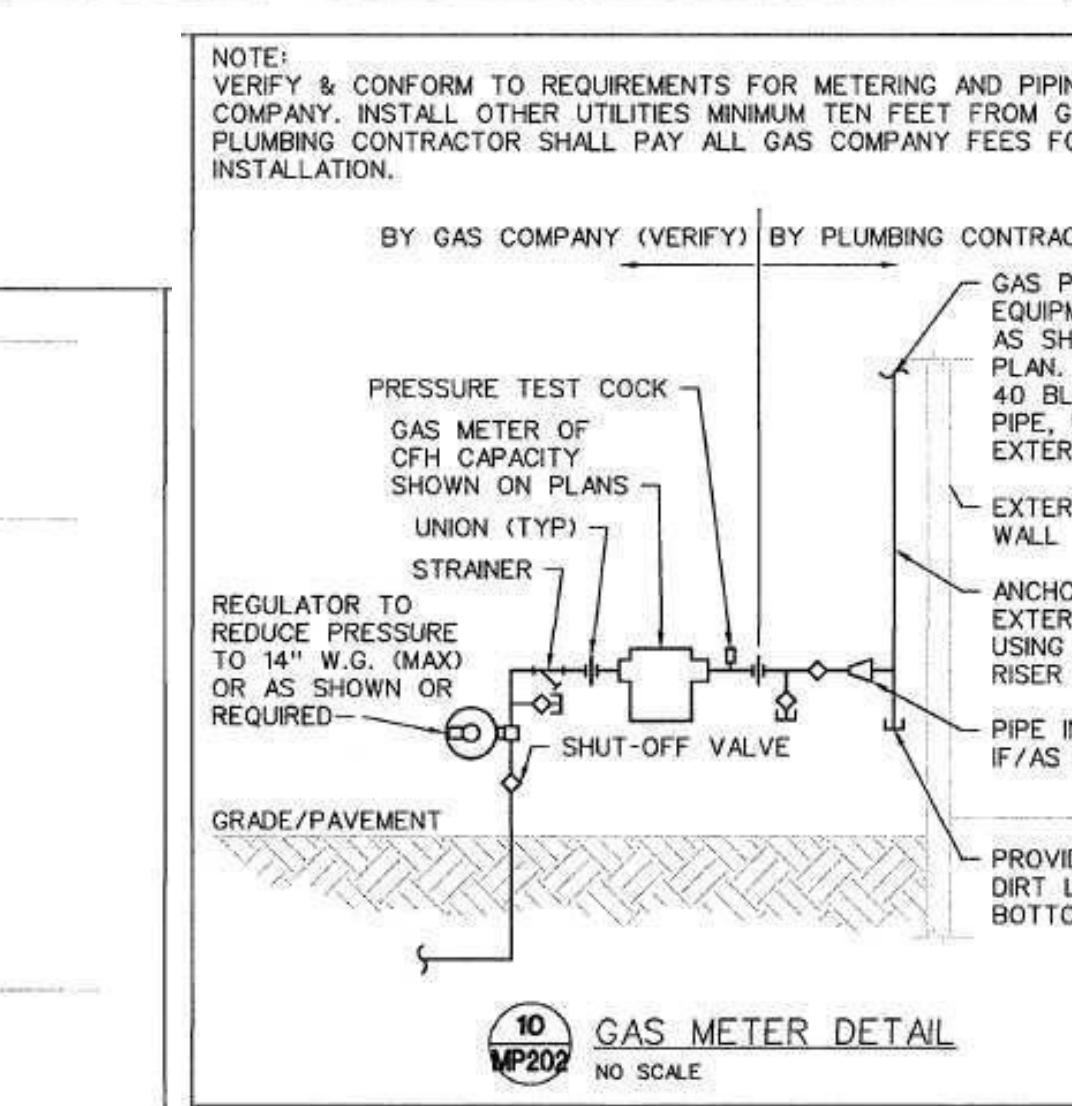
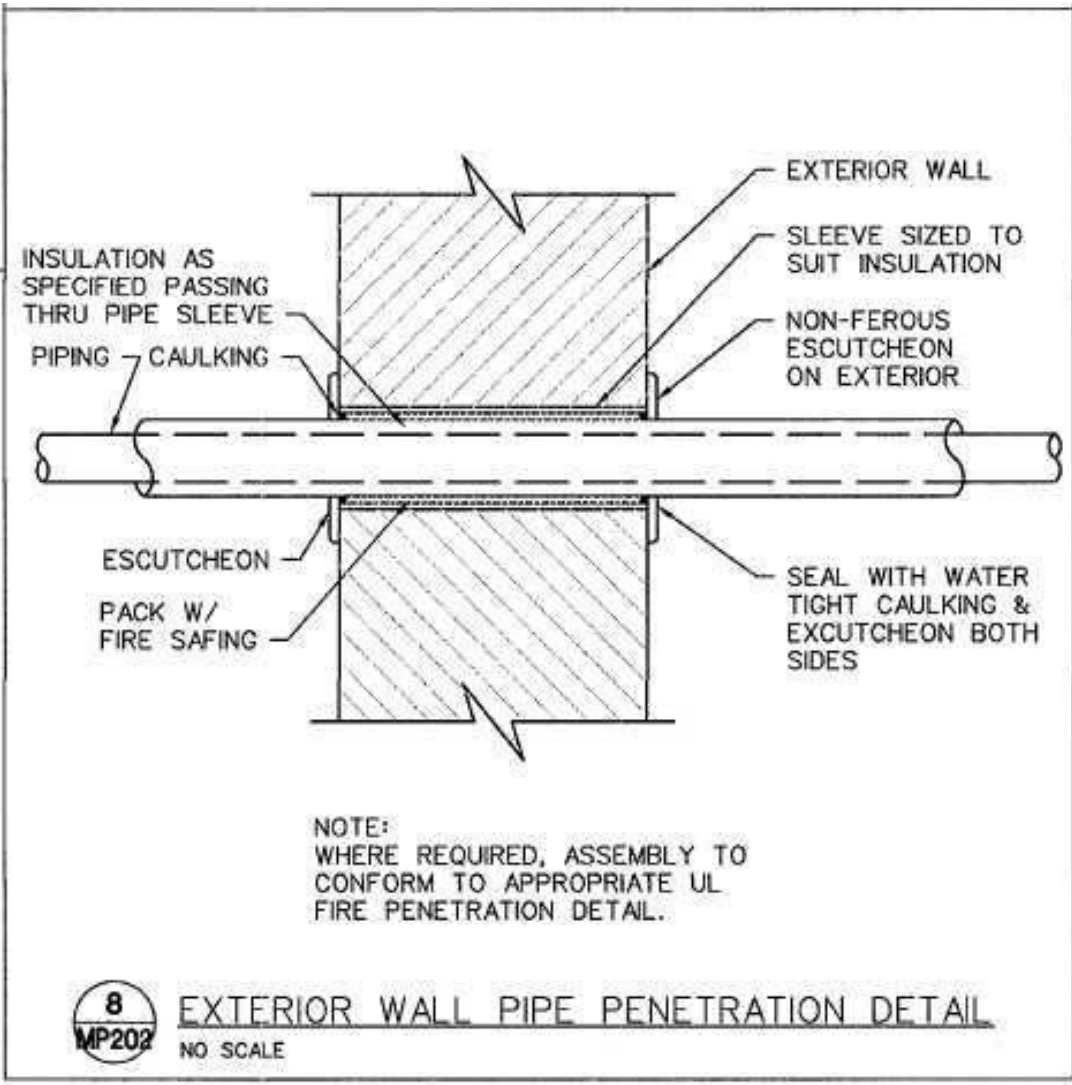
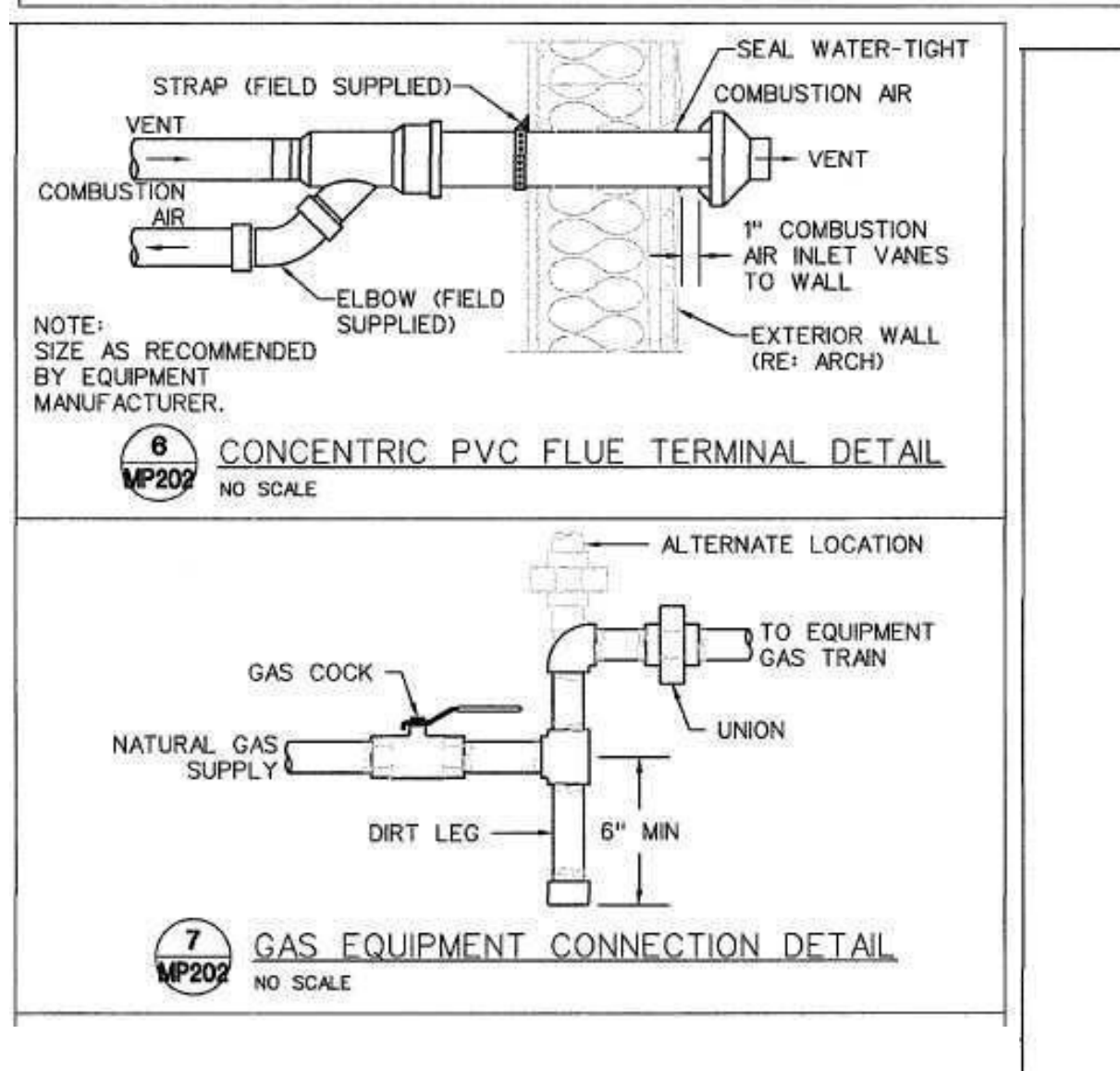
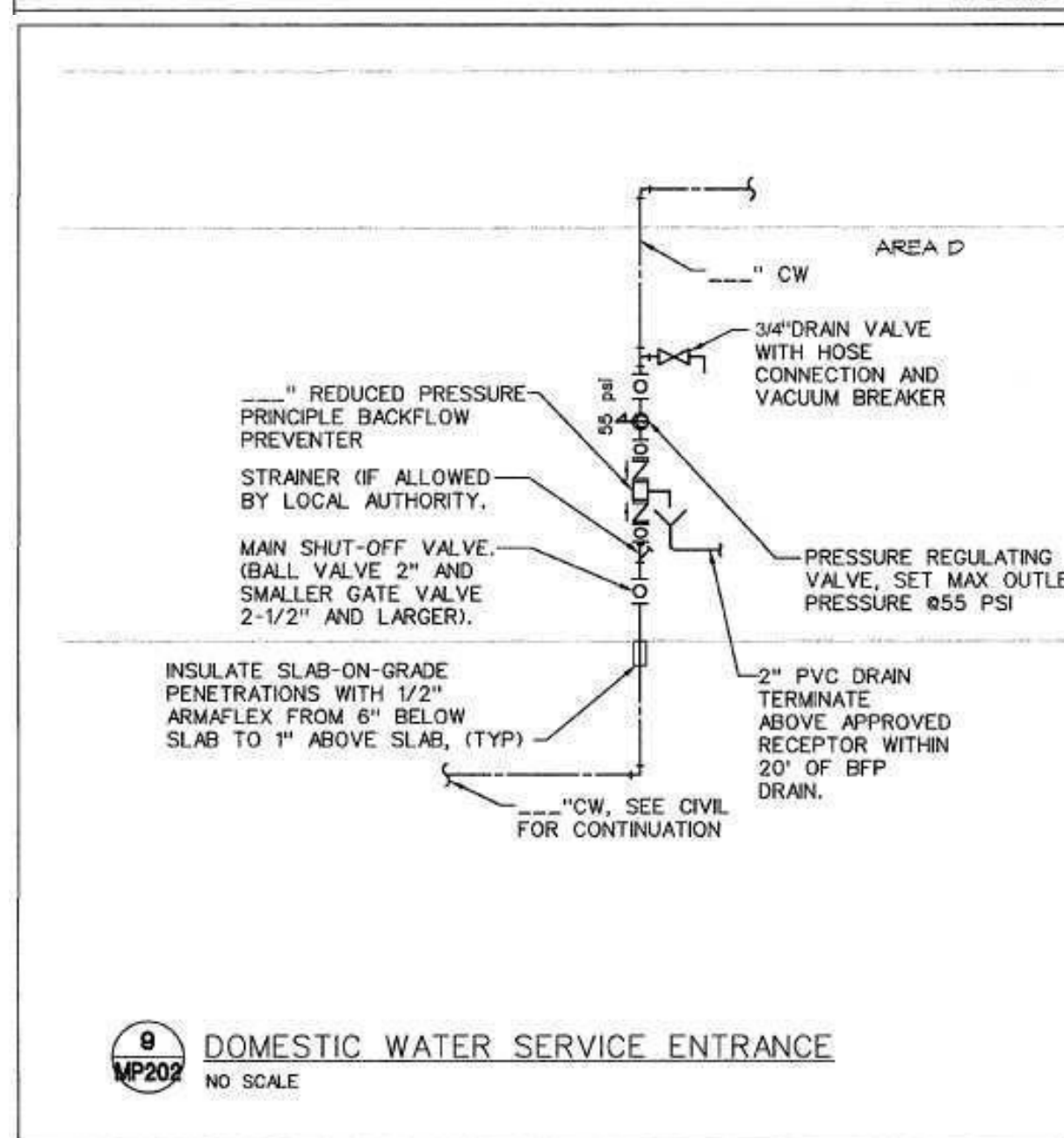
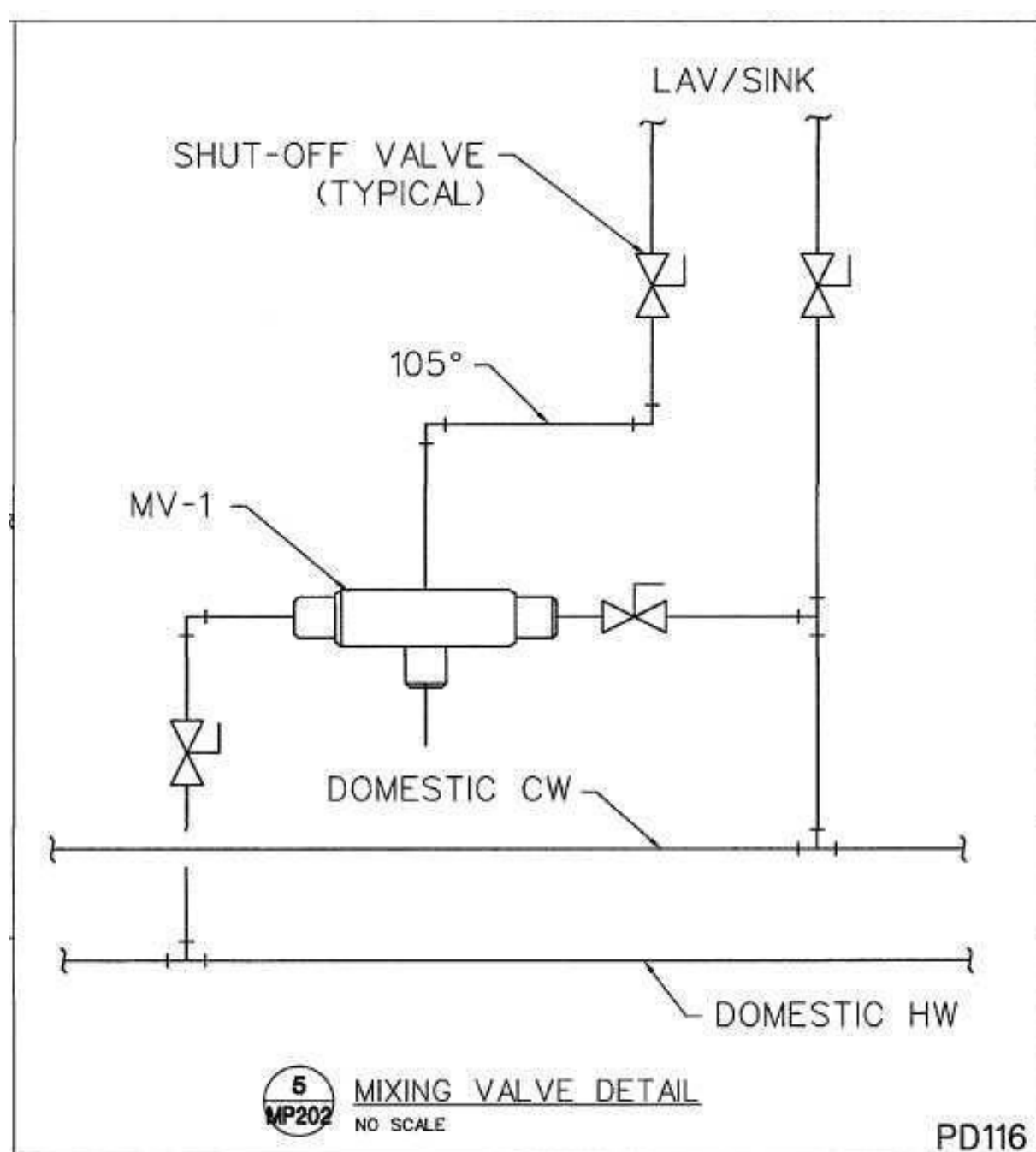
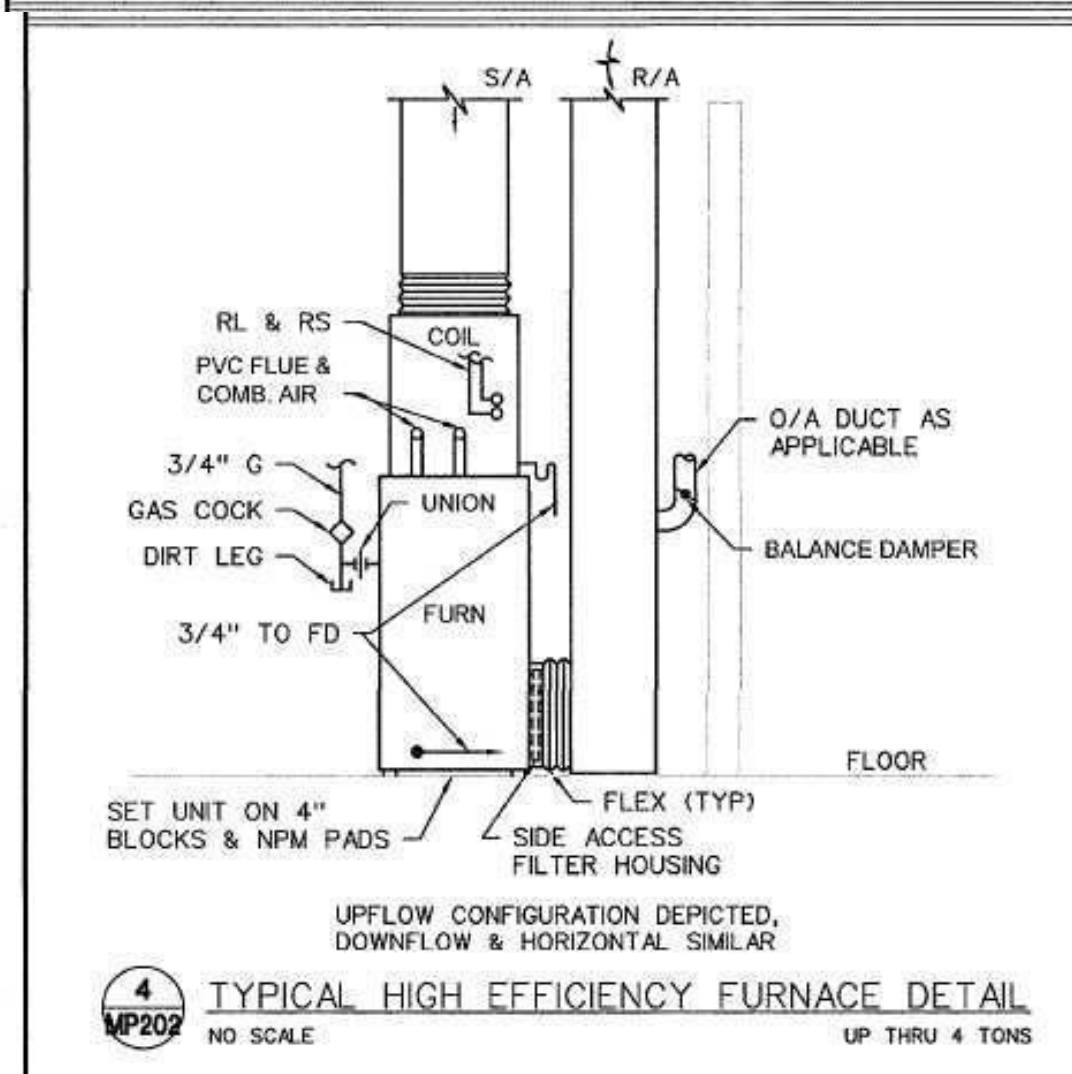
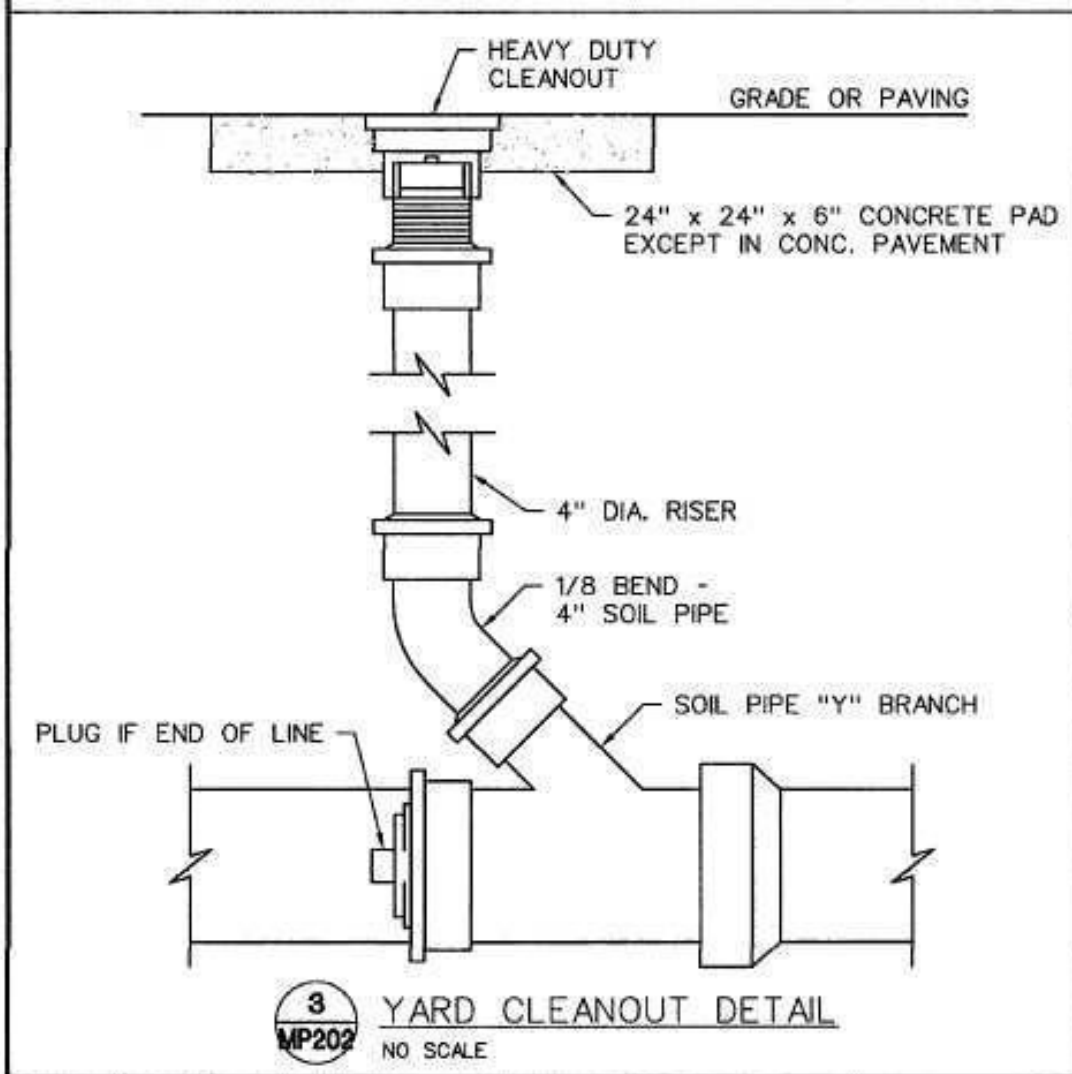
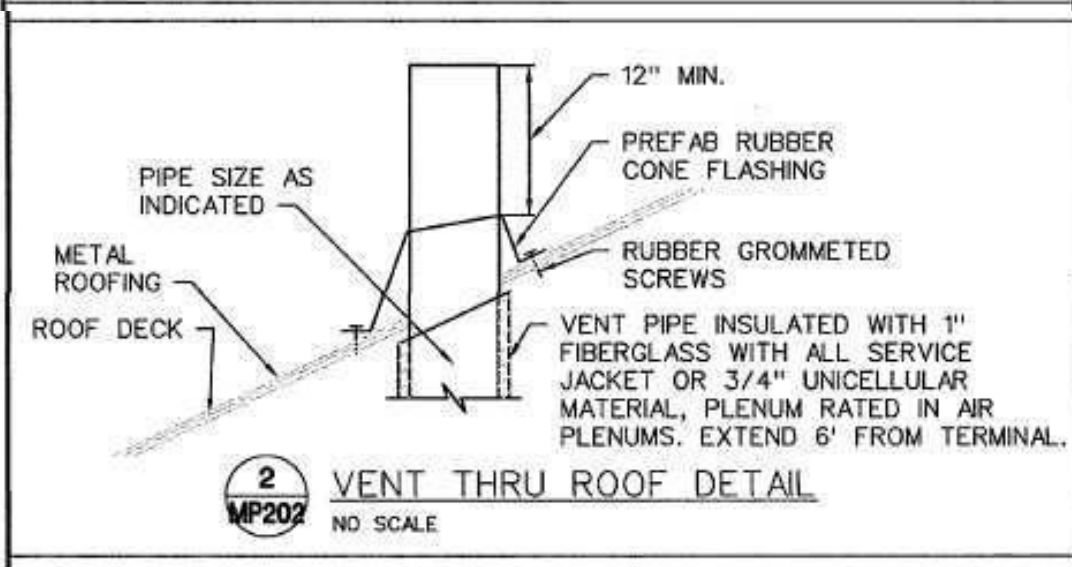
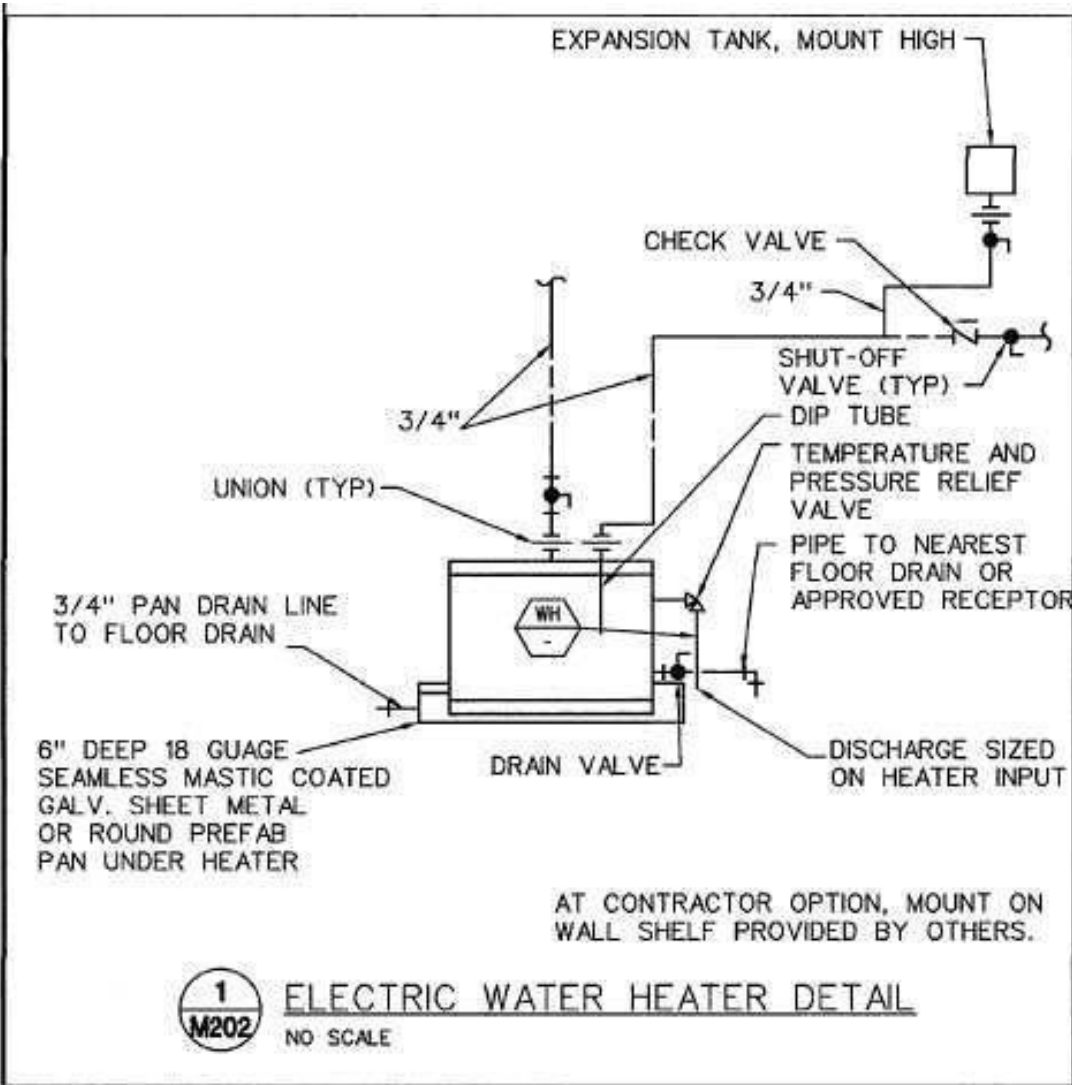
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**605.3 Water service pipe.**

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.

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	KSA030KD	TANK	N	GL	28	-	-	120	4.5	208	1	60	1

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

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 2948; ASTM F 441; ASTM F 442; CSA B137.6
Chlorinated polyvinyl chloride/aluminumchlorinated polyvinyl chloride (CPICAL/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 F 876; ASTM F 877; AWWA C904; CSA B137.5
Cross-linked polyethylene/aluminumcross-linked polyethylene (PEX-AL)	ASTM F 1281; ASTM F 2262; CSA B137.10
Cross-linked polyethylene/aluminumhigh-density polyethylene (PEX-AL/HDPE)	ASTM F 1996
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 C901; CSA B137.11
Polyethylene (PE) plastic tubing	ASTM D 2737; AWWA C901; CSA B137.1
Polyethylene/aluminumpolyethylene (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	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"	---	---
Egpt 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.

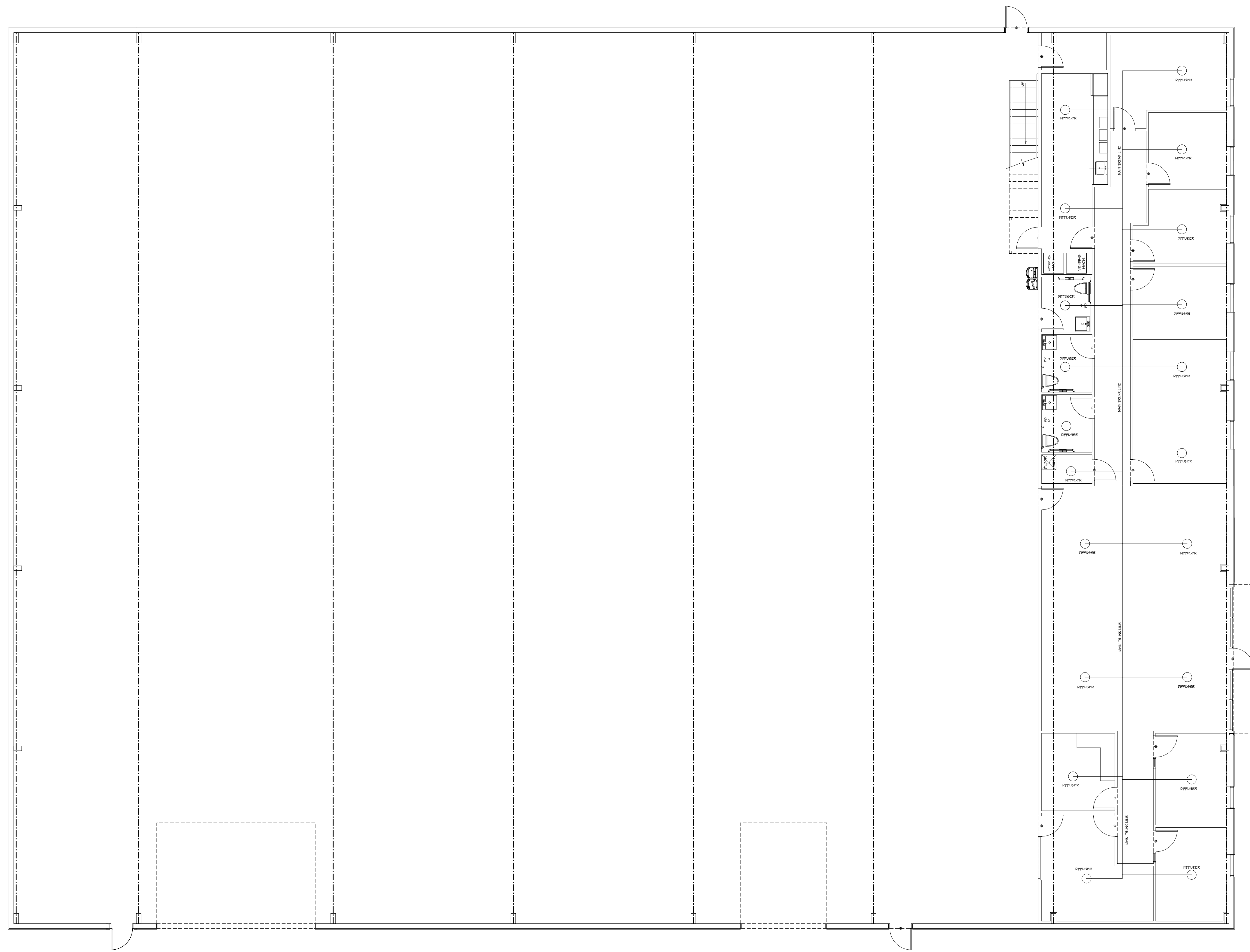
**PLUMBING FIXTURE SCHEDULE**

- 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

SHEET NO. 11  
 PLAN NO. COM-9999  
 FILE NAME: 9199 PL-1  
 DATE DRAWN:  
 DATE REVISION:  
 DESIGNER:  
 HOME BUYER:  
 BUILDER:  
 SUB-DIVISION:  
 PHONE:  
 PHONE:  
 LOT NO.

BUILDER/CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY BETWEEN FLOORS, FOUNDATION AND ELEVATIONS. ALSO VERIFY ALL BEAM, HEADERS, JOIST LOCATIONS, AND COLUMN SIZES. BUILDER/CONTRACTOR TO CHECK FOR CONFLICTS WITH ALL OTHER TRADES. BUILDER/CONTRACTOR TO VERIFY ALL DIMENSIONS AND LOCATIONS FOR ALL FIXTURES AND EQUIPMENT. BUILDER/CONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBILITY FOR ANY AND ALL CONFLICTS, INTERFERENCES OR RESUBMITALS TO OTHER TRADES. BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY AND ALL SITE CHANGES MADE TO STRUCTURE.



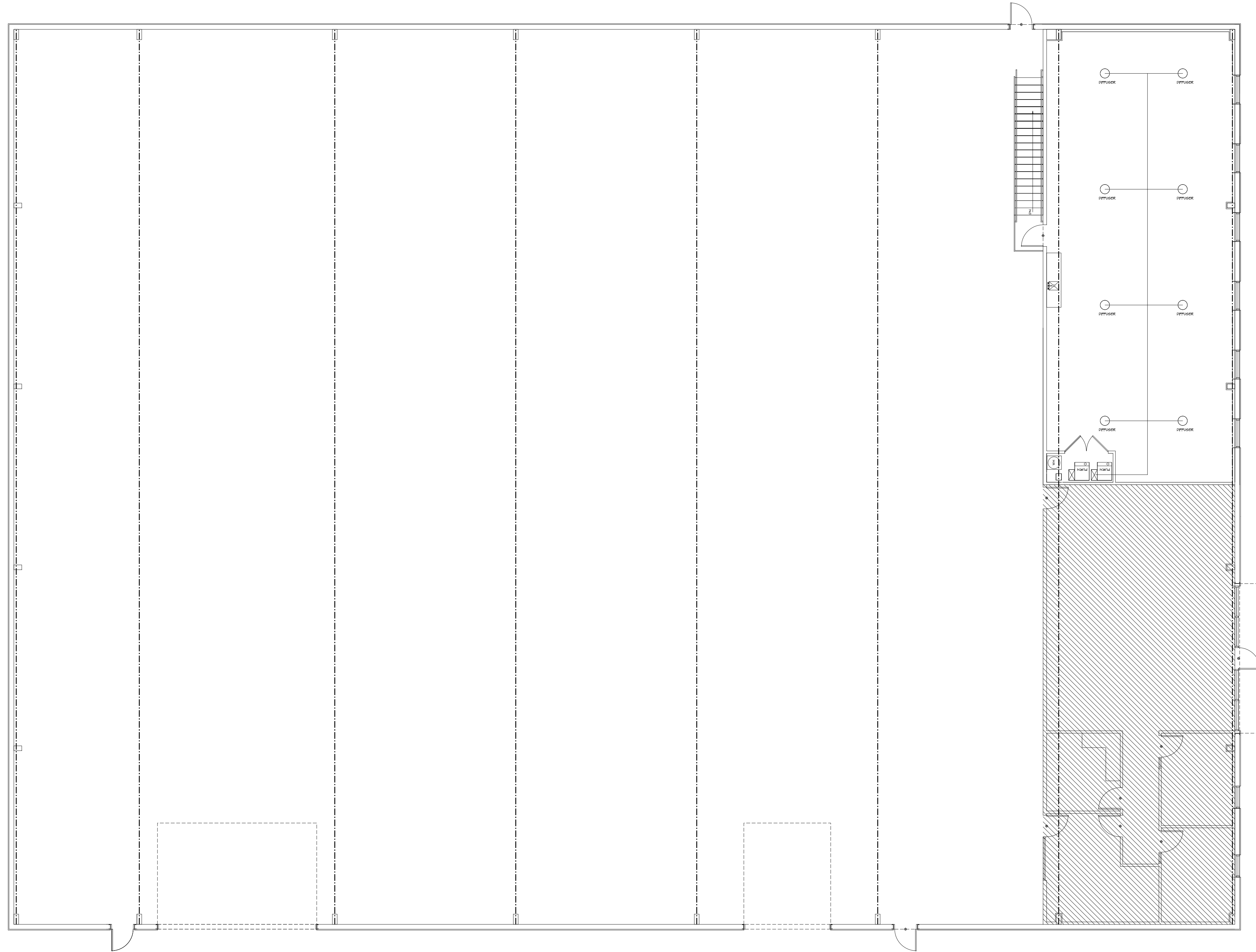


LOWER LEVEL HVAC PLAN  
 1/8" = 1'-0"

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND LOCATIONS OF ALL MECHANICAL EQUIPMENT, DUCTWORK, AND ELECTRICAL PANELS AND EQUIPMENT. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LOCATIONS, AND COORDINATE ALL MECHANICAL AND ELECTRICAL WORK WITH THE ARCHITECT AND OTHER TRADES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

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 HVAC1	



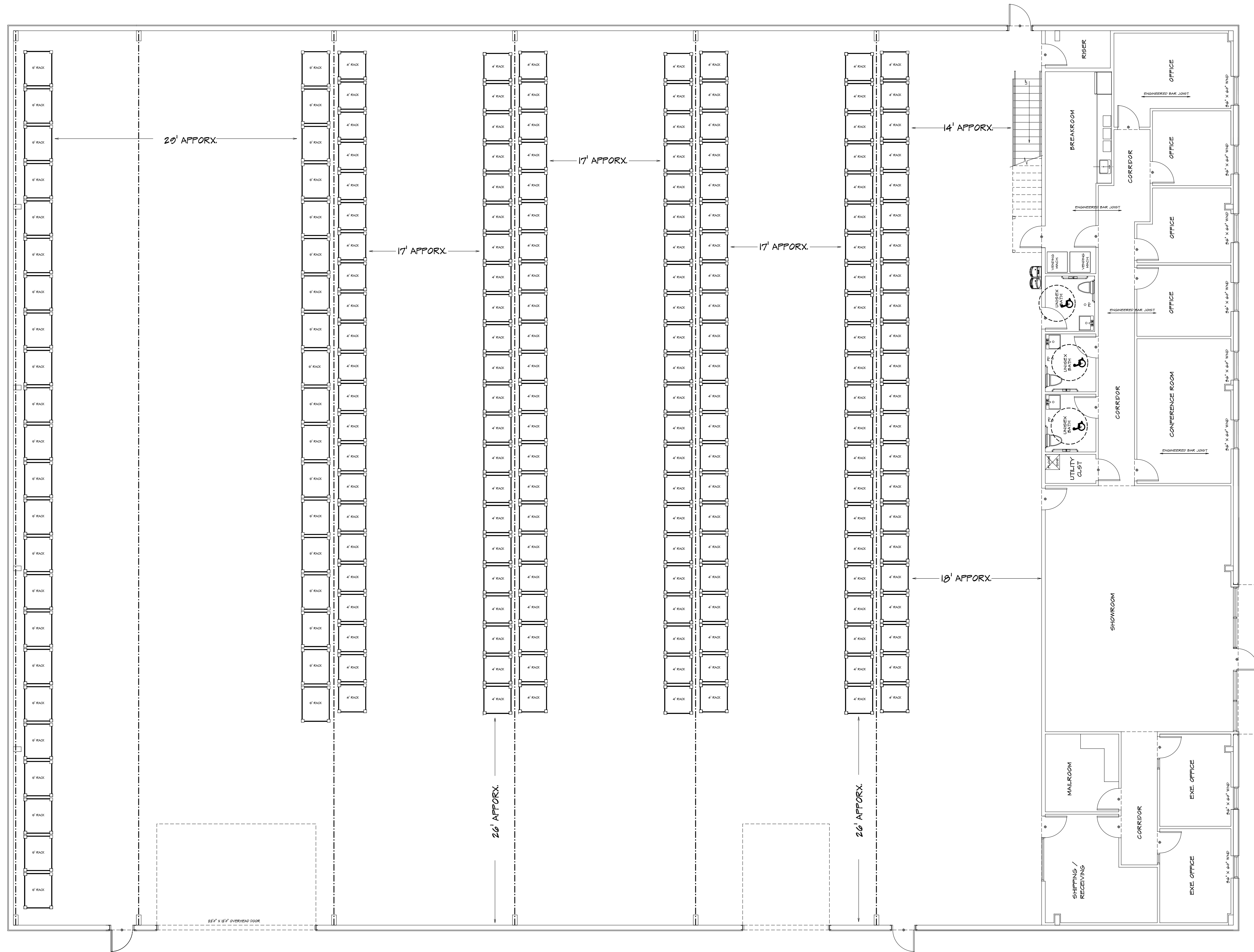
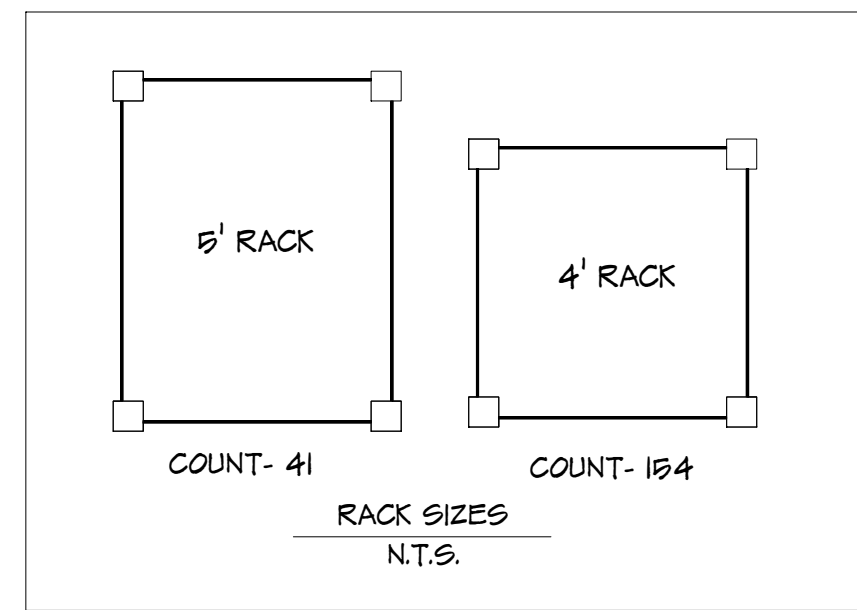


UPPER LEVEL HVAC PLAN  
 1/8" = 1'-0"

THESE DRAWINGS ARE PREPARED BY THE ARCHITECT FOR THE CLIENT'S USE ONLY. THE ARCHITECT ASSUMES NO LIABILITY FOR ANY ERRORS OR OMISSIONS. THE CLIENT SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE ARCHITECT ASSUMES NO LIABILITY FOR ANY DAMAGE TO PERSONS OR PROPERTY ARISING FROM THE USE OF THESE DRAWINGS. THE ARCHITECT ASSUMES NO LIABILITY FOR ANY DAMAGE TO PERSONS OR PROPERTY ARISING FROM THE USE OF THESE DRAWINGS.

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





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

HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.:	SHEET NO.:
BUILDER:	PHONE:	DATE REVISED:	CON-899	1
SUB-DIVISION:	LOT NO.:	DESIGNER:	FILE NAME:	APPROX SQ.FT.
			899.P20	





# BUTLERSUPPLY

"Dedicated To Our Customers' Success"

## Quotation

600 NW Libby Lane  
Lee's Summit MO 64063  
www.butlersupply.com

Phone:816-357-9800  
Fax:816-600-5161

Since 1941

Page 1 of 1

### Sold-to Party Address

INTERSTATE CONSTRUCTION SERVICE  
PO BOX 847  
LEES SUMMIT MO 64063

### Ship-to Party Address

INTERSTATE CONSTRUCTION SERVICE  
PO BOX 847  
LEES SUMMIT MO 64063

### Information

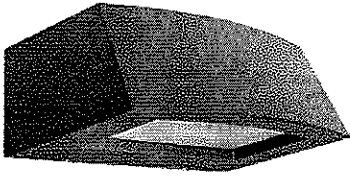
Quotation No.: 950542520  
Document Date: 09/10/2024  
Customer No.: 980114  
Quoted By: MHOLCOMB  
Purchase Order No.:NEWBERRY LOT 294  
Incoterms: WC

### Text Messages:

### Quotation Details

Item	Material Description	Quantity	Unit Price	Amount
10	383667--LITH#ARC2LEDP340K-MVOLT/ DDBXD	12 EA	244.00 EA	2928.00
				-----
* Total Sales				2,928.00
* Tax Amount				248.15
				-----
<b>Total Amount</b>				<b>\$ 3,176.15</b>

- All quotations are subject to approval.
- Prices are subject to change without notice.
- Materials purchased from this quotation may not be refundable.
- Merchandise that is returned may be subject to a restocking fee.
- Projects funded with federal stimulus money may require a re-quote and price adjustments due to manufacturing requirements mandated by the US government.(FAR CODES)



# ARC2 LED

## Architectural Wall Luminaire

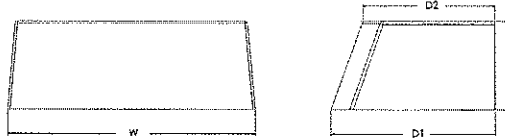


Catalog Number
Notes
Type

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

### Specifications

<b>Depth (D1):</b>	9.25"
<b>Depth (D2):</b>	7.5"
<b>Height:</b>	5"
<b>Width:</b>	14"
<b>Weight:</b> (without options)	11 lbs



### 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: U-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	DBLBXD 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

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



COMMERCIAL OUTDOOR

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ARC2 LED  
Rev. 08/27/24

## 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	0	II	G	Lumens	LPW	0	II	G	Lumens	LPW	0	II	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.

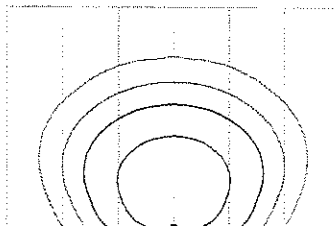
Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.93	>0.88

## 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



MH = 15ft  
Grid = 15ft x 15ft

ARC2 LED P3 40K



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Rev. 08/27/24



## Emergency Egress Options

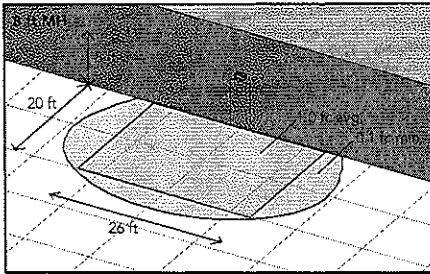
### Emergency Battery Backup

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.

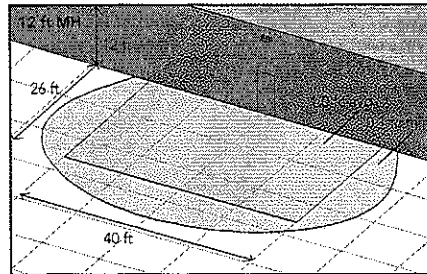
Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

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

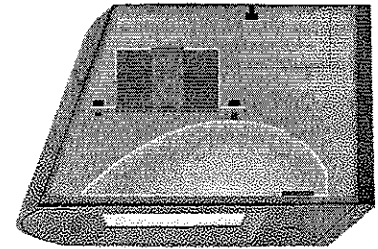
Grid = 10ft x 10ft



ARC2 LED 40K MVOLT E4WH

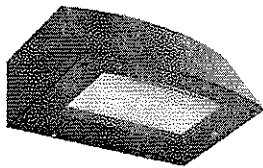


ARC2 LED 40K MVOLT E8WC



Self-contained solution for clean aesthetic

## Mounting, Options & Accessories

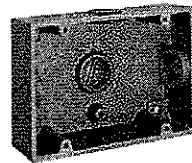


### E4WH and E8WC – Emergency Battery Backup

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 pixelation 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/customer-warranty-terms-and-conditions](http://www.designlights.com/customer-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.



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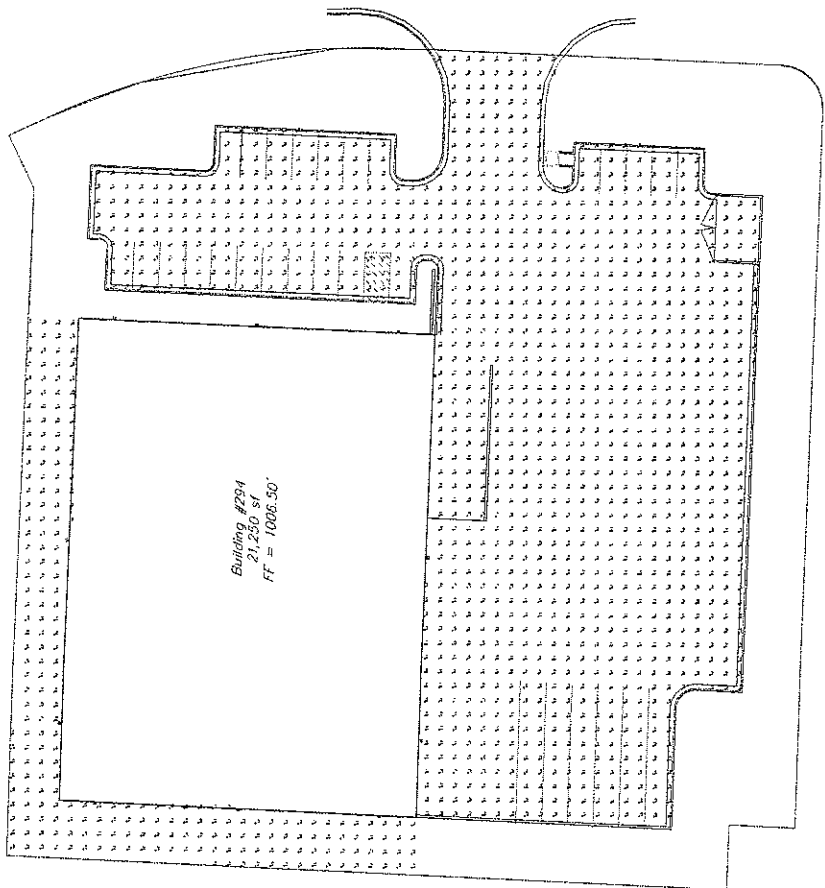
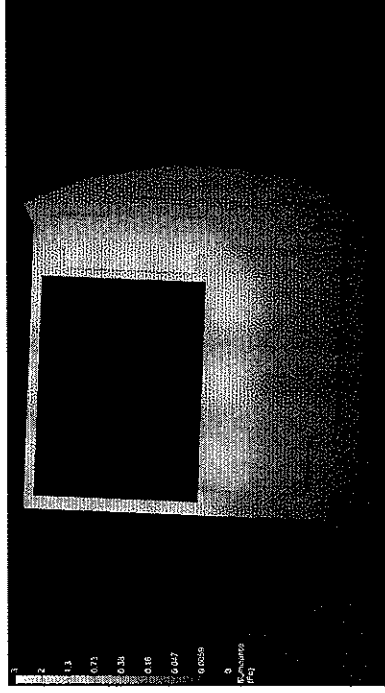
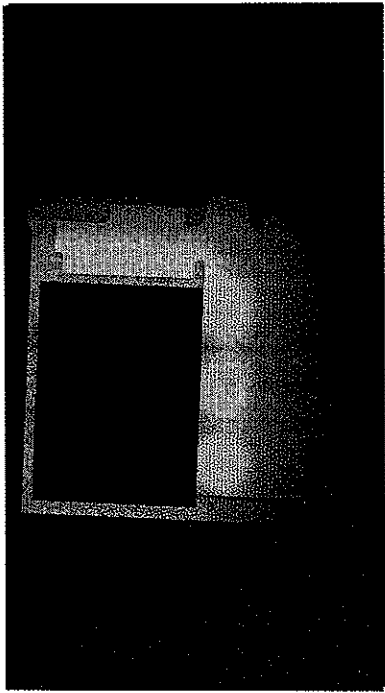
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ARC2 LED  
Rev. 08/27/24

#	Date	Comments

REVISIONS	

Drawn By: CJ Perrier Checked By: Premier Lighting Date: 9/10/2024	PREMIER LIGHTING & CONTROLS NEWSBERRY LOT 294
-------------------------------------------------------------------------	--------------------------------------------------



Scale: 1 inch = 20 FT.

Label	CalcType	Units	Qty	Max	Min	Avg/Min	Max/Min
GRAB	ILLUMINANCE	FC	1.91	1.9	0.3	3.37	8.33
GRAB	ILLUMINANCE	FC	0.12	1.2	0.2	1.0	1.0

Qty	Symbol	Qty	Unit	Label	LF	Dim.	Volume	Dim.	Weight	Description
1		1		NEW LED F1 40K	0.910	3387		23.315		NEW LED F1 40K

CALCULATION NOTES:  
 GRAB POINTS: 9  
 WALL THICKNESS: 504 WALLS, 204 FLOORS  
 HGT: 84'  
 LWF: 0.31