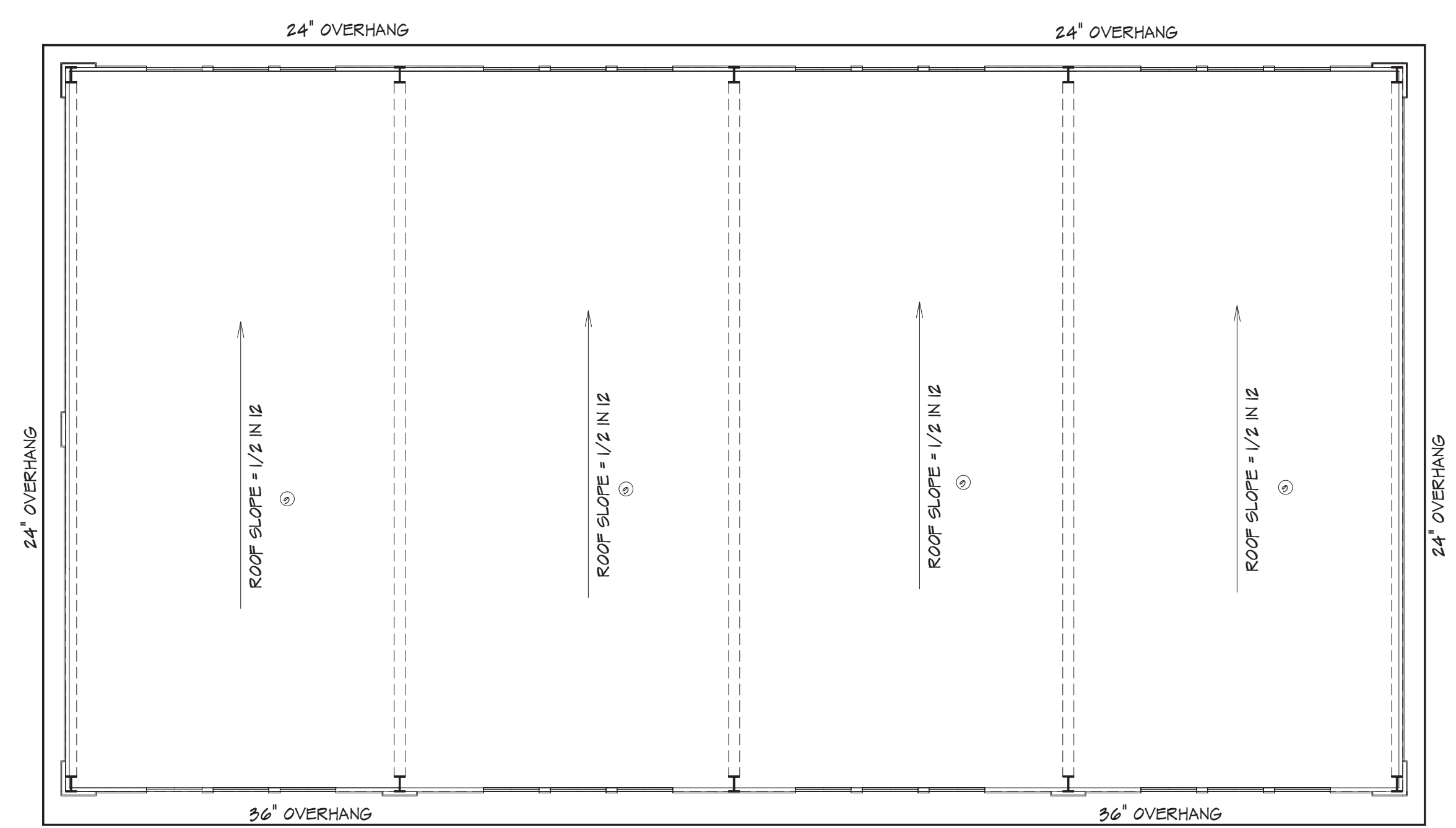


**FRONT ELEVATION**  
3/16" = 1'



**ROOF ELEVATION**  
3/32" = 1'

**ELEVATIONS NOTES**

- ① STONE: CANYON LEDGE STONE (SANTA FE)
- ② TEXTURE WALL PANEL: LIGHT GRAY - HEAVY TEXTURE
- ③ WINDOWS: BLACK METAL
- ④ SHADOW WALL SIDES: COLOR GRAY STONE
- ⑤ METAL SIDING, COLOR: COOL GRAY STONE
- ⑥ GUTTERS/EAVES DS-BLACK
- ⑦ OVERHEAD DOOR TRIM: BLACK
- ⑧ SOFFIT COLOR: SHELL GRAY
- ⑨ ROOF GALVALUM

**CODE NOTES**

ALL CONSTRUCTION FOR THIS PROJECT SHALL COMFORM TO THE REQUIREMENTS OF THE FOLLOWING CODES ALL AS AMENDED BY THE CITY OF LEE SUMMIT  
 2021 INTERNATIONAL BUILDING CODE  
 2021 INTERNATIONAL MECHANICAL CODE  
 2021 INTERNATIONAL PLUMBING CODE  
 2021 INTERNATIONAL FUEL GAS CODE  
 2021 INTERNATIONAL FIRE CODE & LIFE SAFETY CODE  
 2021 NATIONAL ELECTRIC CODE  
 2021 ICC / ANSI A87  
 UNIFIED DEVELOPMENT ORDINANCE  
 SHALL BE IN COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT  
 TENANT USE: OCCUPANCY CLASSIFICATION (PRIMARY) GROUP S-1 (SECONDARY) GROUP S  
 TYPE OF CONSTRUCTION (IBC 602): TYPE I-B TYPE V-B  
 AUTOMATIC SPRINKLER SYSTEM: N/A  
 TENANT AREA: OFFICE: 1920 SQ.FT. STORAGE: 9240 SQ.FT.  
 OCCUPANT LOAD (TABLE 1004.1.2): OFFICE: 1920/100 = 20 WAREHOUSE: 9240/600 = 15  
 PLUMBING REQUIREMENTS (TABLE 2502.1):  
 USE GROUP S  
 WATER CLOSETS - (UNISEX) 1 PER 50 + 1  
 SERVICE SINK - 1  
 DRINKING FOUNTAIN - 1 PER 100 + 1  
 USE GROUP S-1  
 WATER CLOSETS - (UNISEX) 1 PER 100 + 1  
 SERVICE SINK - 1  
 DRINKING FOUNTAIN - 1 PER 100 + 1

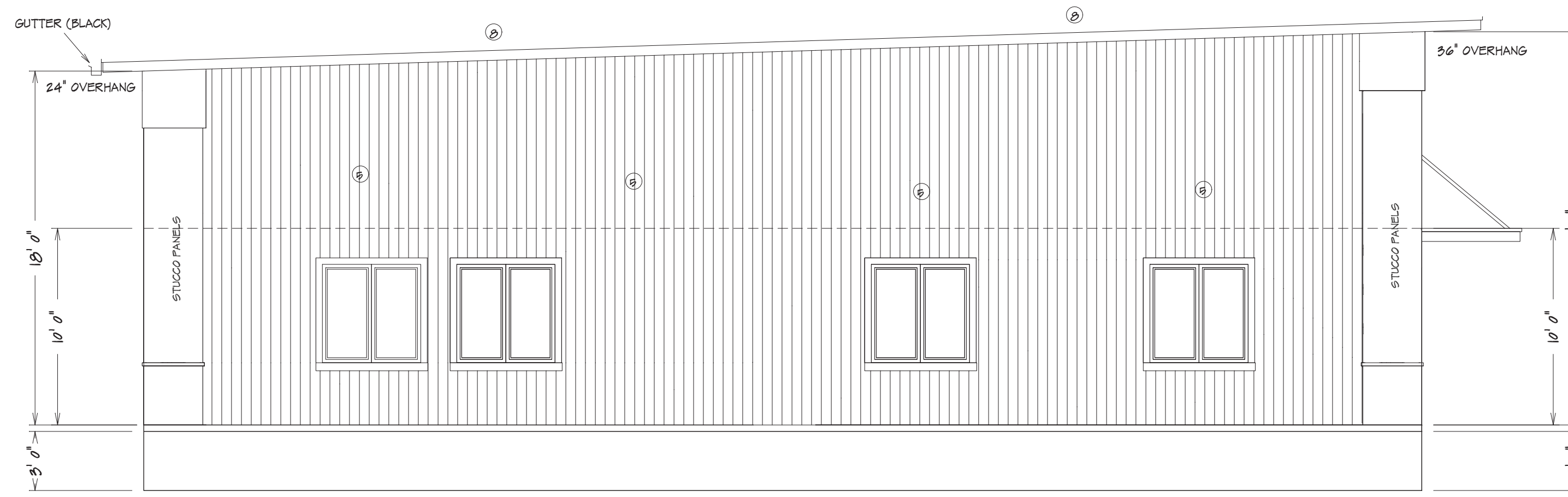
**GENERAL NOTES**

1. ALL DIMENSIONS INSIDE TO INSIDE WALL UNLESS OTHERWISE NOTED
2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS IN THE FIELD AND INFORM THE OWNER OF ANY DISCREPANCIES BEFORE PROCEEDING
3. PROVIDE EX BLOCKING IN ALL WALLS AS REQUIRED FOR SUPPORT
4. CONTRACTOR TO DESIGN, COORDINATE, INSTALL, ETC. ALL CASEWORK/MILLWORK WITH OWNER
5. COORDINATE ALL FINAL OUTLET, WALL AND DOOR LOCATION W/ OWNER BEFORE CONSTRUCTION
6. COORDINATE ALL FINISHES WITH OWNER
7. PROVIDE FIRE EXTINGUISHERS AS REQUIRED BY FIRE MARSHAL
8. FIELD VERIFY ALL DIMENSIONS AND SITE CONDITIONS
9. CONTRACTOR TO COORDINATE W/ OWNER ON ALL ITEMS SUPPLIED AND AFFECTING THE CONTRACTORS WORK
10. NEW WALL CONSTRUCTION SHALL BE 2x4 STUDS @ 16" O.C. MIN. W/ 1/2 GYPSUM BOARD AND BLOCCING. STUDS SET 24" O.C. MIN. W/ 1/2 GYPSUM BOARD WALL STUDS SHALL BE DESIGNED IN ACCORDANCE WITH EITHER AHS-504 OR AHS-500
11. WALL COVERING IN PROPOSED BATHROOM TO HAVE TILE OR OTHER NONABSORBENT SURFACE TO A HEIGHT NOT LESS THAN 48" O.P.F.

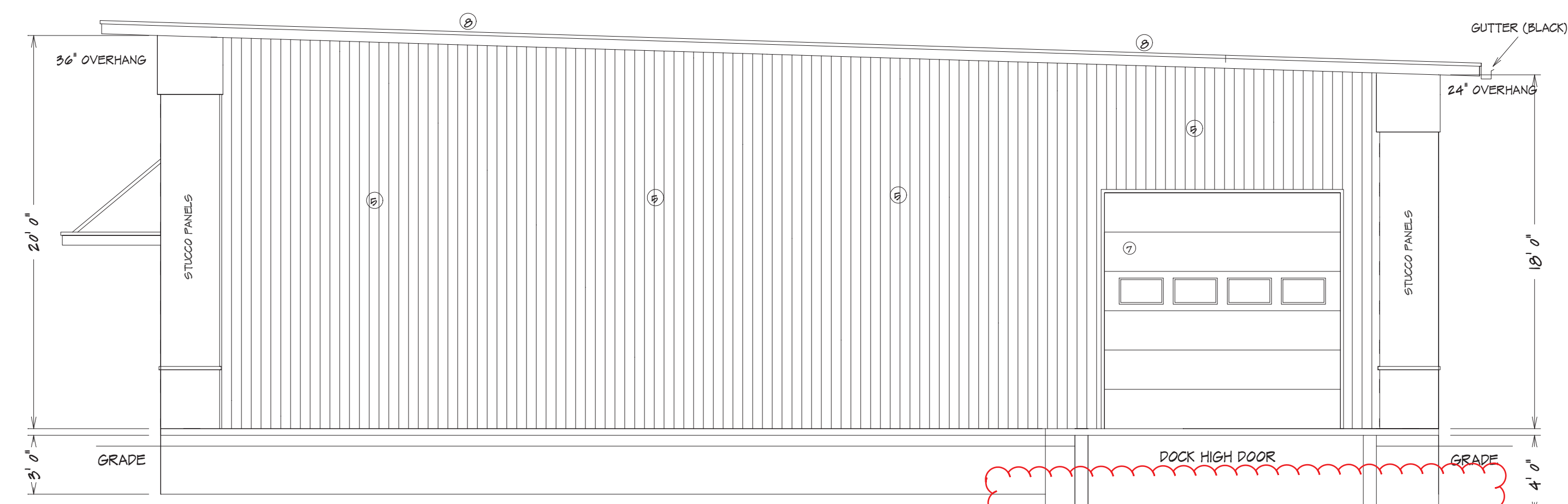
**LOCATION PLAN / KEY PLAN**



HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.:	SHEET NO.:
BUILDER:	PHONE:	DATE REVISED:	004-9779	1
SUB-DIVISION:	LOT NO.:	DESIGNER:	FILE NAME:	APPROX. SQ.FT.:
			9779 ELEV1	



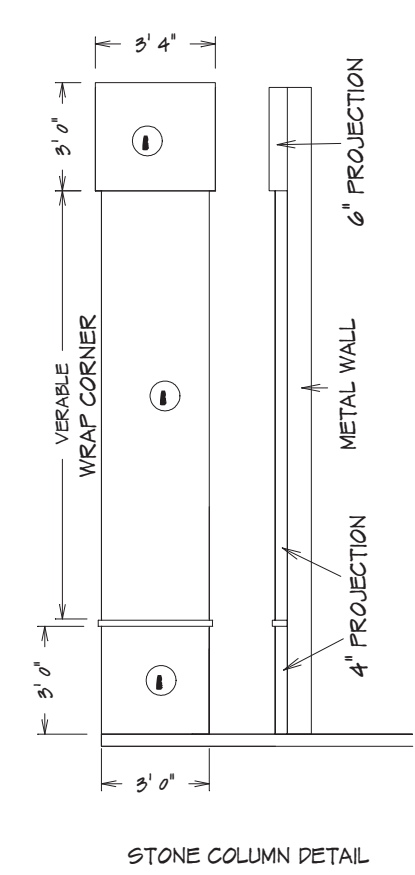
LEFT ELEVATION  
3/16" = 1'0"



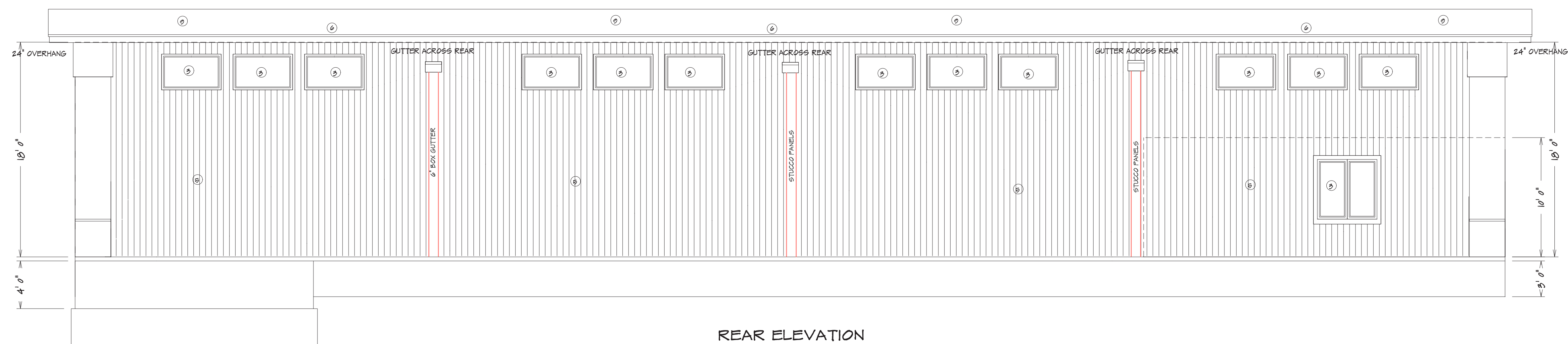
RIGHT ELEVATION  
3/16" = 1'0"

RETAINING WALL FOOTING TO EXTEND BELOW FROST LINE MIN DEPTH 36". CONSTRUCTED IN ACCORDANCE WITH ASCE 32  
ITEM# 8

- ELEVATIONS NOTES**
- ① STONE: CANYON LEDGE STONE (SANTA FE)
  - ② TEXTURE WALL PANEL: LIGHT GRAY - HEAVY TEXTURE
  - ③ WINDOWS: BLACK METAL
  - ④ SHADOW WALL SIDES: COLOR GRAY STONE
  - ⑤ METAL SIDING, COLOR: COOL GRAY STONE
  - ⑥ GUTTERS/EAVES DS-BLACK
  - ⑦ OVERHEAD DOOR TRIM: BLACK
  - ⑧ SOFFIT COLOR: SHELL GRAY
  - ⑨ ROOF GALVALUM



STONE COLUMN DETAIL

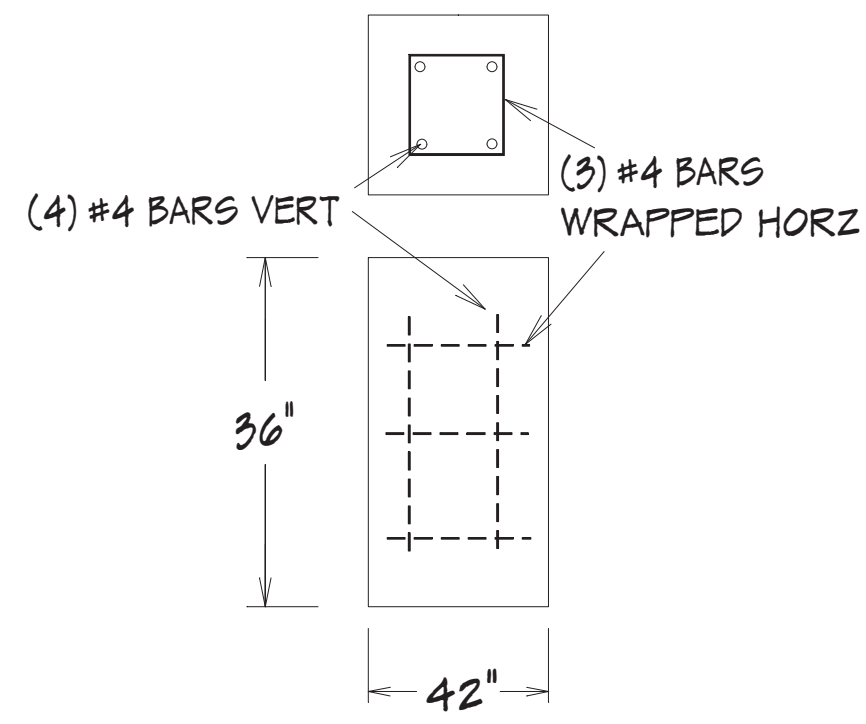


REAR ELEVATION  
3/16" = 1'0"

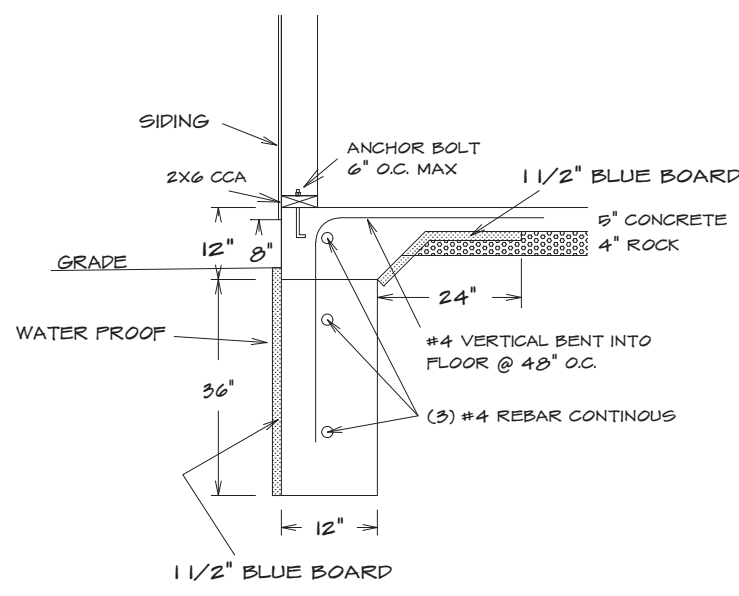
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BUILDER:	PHONE:	DATE REVISED:	004-979	7
SUB-DIVISION:	LOT NO.	DESIGNER:	FILE NAME:	APPROX. SQ.FT.
			979 ELEV.2	

BUILDER/CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY BETWEEN FLOOR, FOUNDATION, AND ELEVATIONS. ALSO VERIFY ALL BEAM, HEADERS, JOIST LOCATIONS, AND COLUMN SIZES. BUILDER/CONTRACTOR TO CHECK FOR CONFLICTS WITH EXISTING UTILITIES AND STRUCTURES. BUILDER/CONTRACTOR ACCEPTS ALL RESPONSIBILITY FOR LOT PLACEMENT, SET BACKS, AND FLOOR PLANS. BUILDER/CONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBILITY FOR ANY AND ALL COPYRIGHT INFRINGEMENTS OR RESSEMBLANCES TO OTHER COPYRIGHTED PLANS. BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY ON-SITE CHANGES MADE TO STRUCTURE.

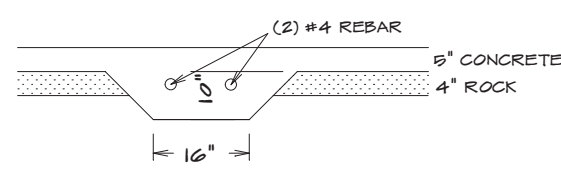




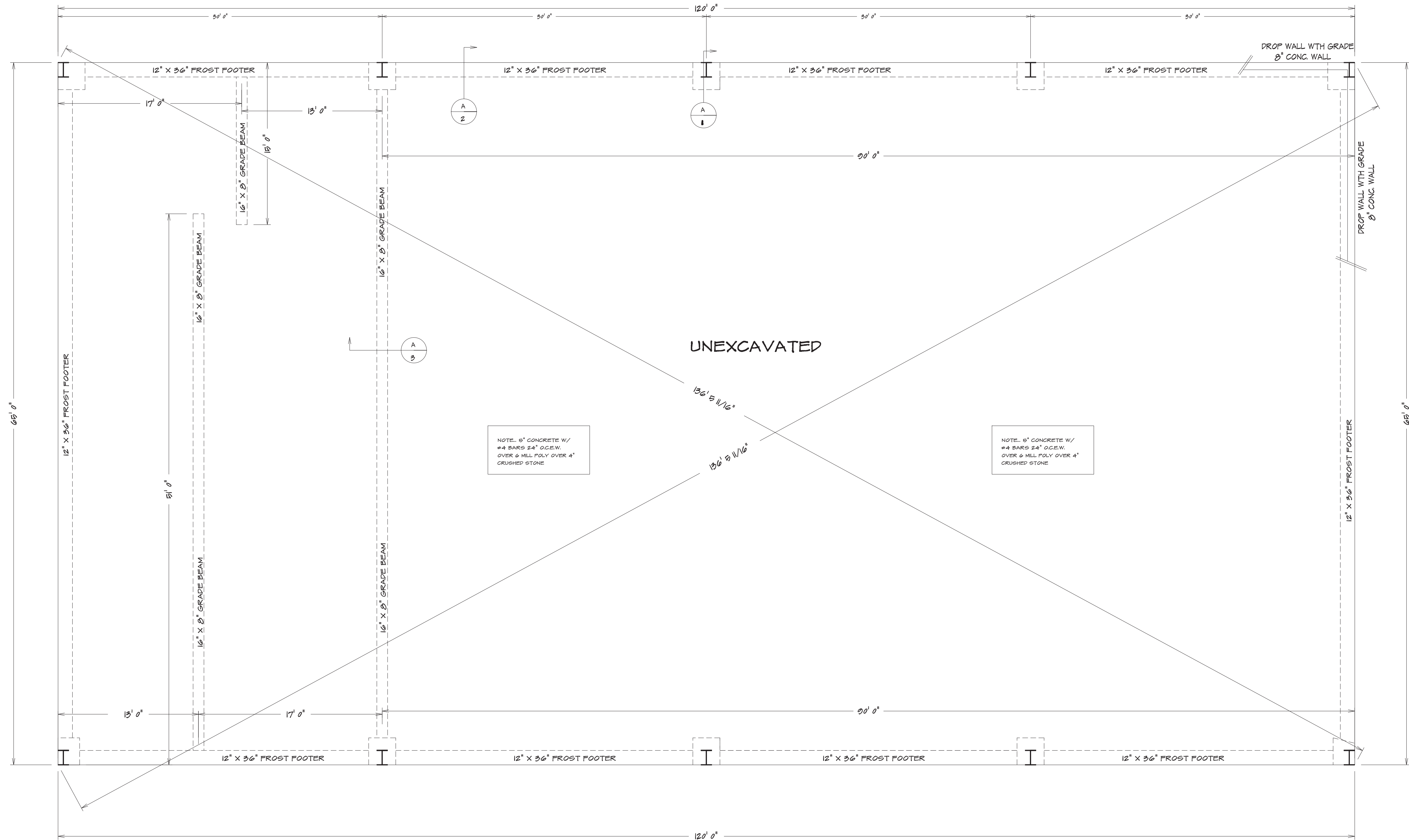
A  
1  
PIER FOOTING SECTION  
NTS



A  
2  
FROST FOOTING  
NTS



A  
3  
GRADE BEAM FOOTING  
NTS



NOTE: 9" CONCRETE W/  
#4 BARS 24" O.C.W.  
OVER & MILL POLY OVER 4"  
CRUSHED STONE

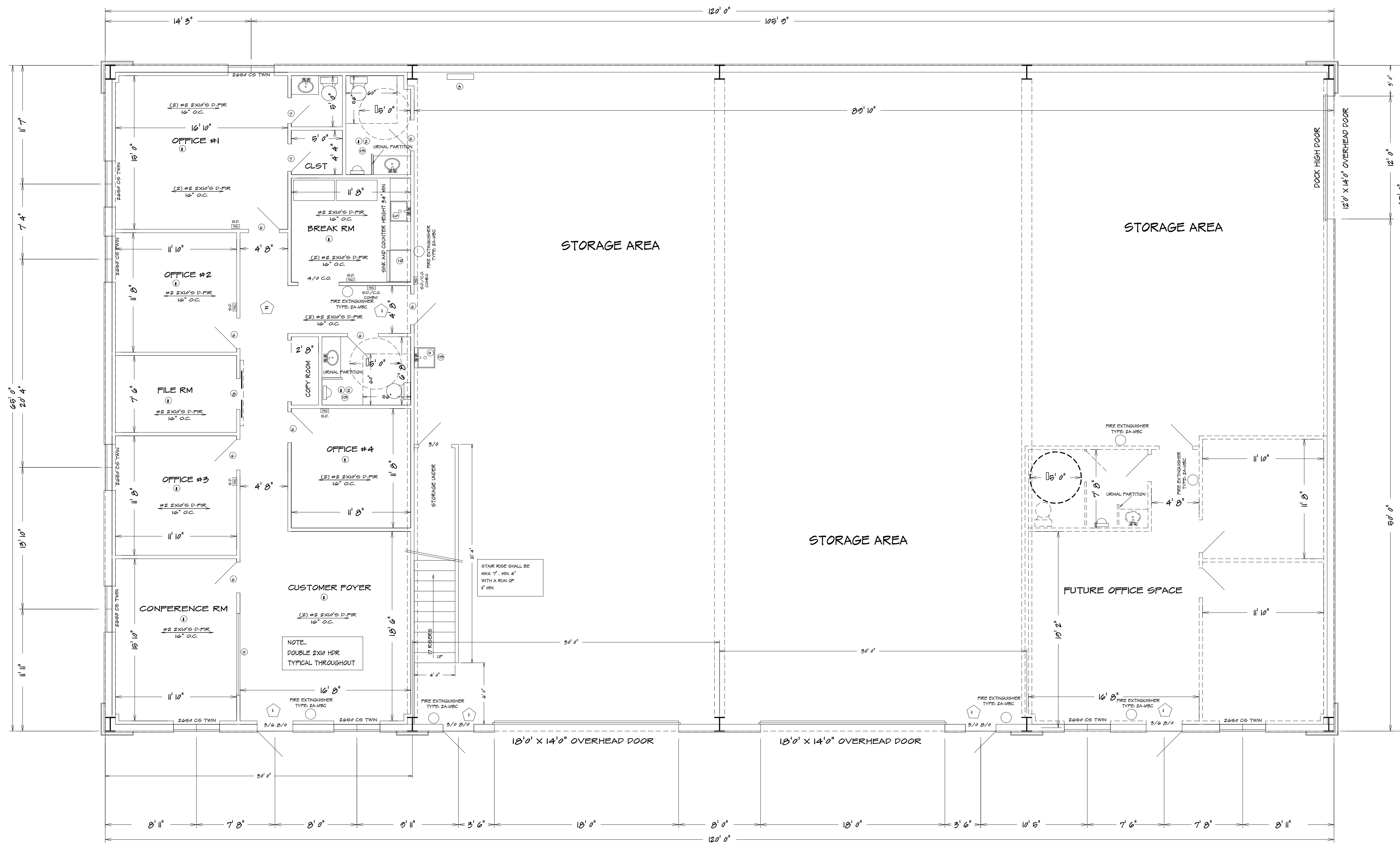
NOTE: 9" CONCRETE W/  
#4 BARS 24" O.C.W.  
OVER & MILL POLY OVER 4"  
CRUSHED STONE

FOUNDATION PLAN  
3/16" = 1'

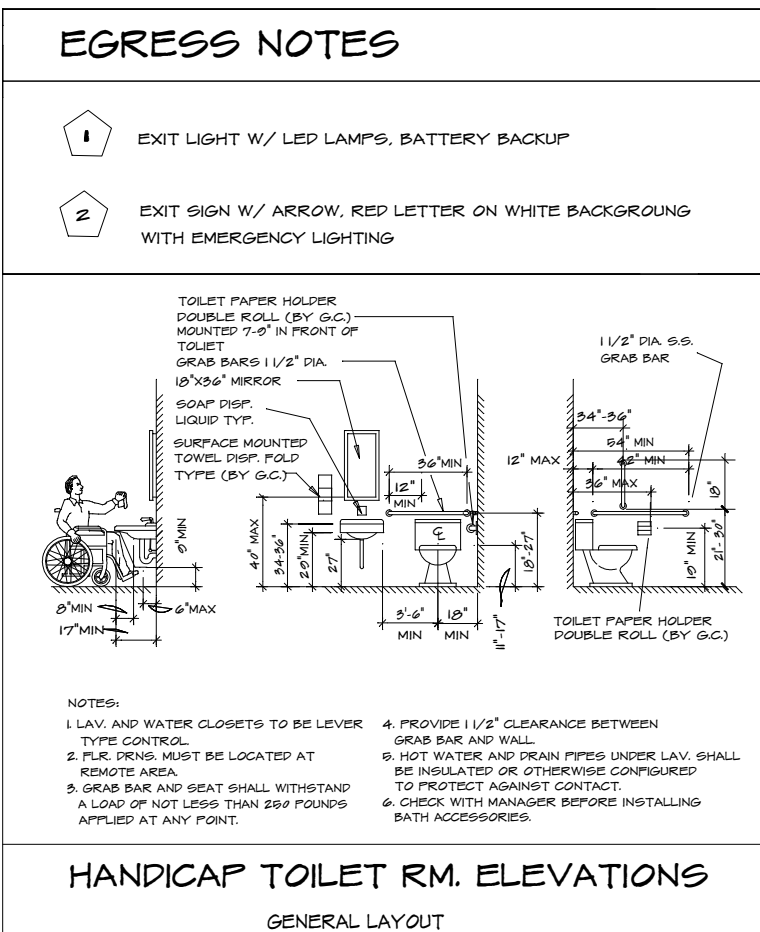
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BUILDER:	PHONE:	DATE REVISED:	FILE NAME: 9779.FUNO	APPROX. SQ.FT.
SUB-DIVISION:	LOT NO.	DESIGNER:		

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 EXISTING UTILITIES. BUILDER/CONTRACTOR TO VERIFY ALL DIMENSIONS AND LOCATIONS. BUILDER/CONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBILITY FOR ANY AND ALL COPYRIGHT INFRINGEMENTS OR RESEMBLANCES TO OTHER COPYRIGHTED PLANS. BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY ON SITE CHANGES MADE TO STRUCTURE.





**FIRST FLOOR PLAN**  
3/16" = 1/0"



**EGRESS NOTES**

- EXIT LIGHT W/ LED LAMPS, BATTERY BACKUP
- EXIT SIGN W/ ARROW, RED LETTER ON WHITE BACKGROUND WITH EMERGENCY LIGHTING

**GENERAL NOTES**

- ALL DIMENSIONS OUTSIDE TO CENTER WALL, UNLESS OTHERWISE NOTED
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS IN THE FIELD AND INFORM THE OWNER OF ANY DISCREPANCIES BEFORE PROCEEDING
- PROVIDE 2X BLOCKING IN ALL WALLS AS REQUIRED FOR SUPPORT
- CONTRACTOR TO DESIGN, COORDINATE, INSTALL, ETC. ALL CASEWORK/MILLWORK WITH OWNER
- COORDINATE ALL FINAL OUTLET, WALL AND DOOR LOCATION W/ OWNER BEFORE CONSTRUCTION
- COORDINATE ALL FINISHES WITH OWNER
- PROVIDE FIRE EXTINGUISHERS AS REQUIRED BY FIRE MARSHAL
- FIELD VERIFY ALL DIMENSIONS AND SITE CONDITIONS
- CONTRACTOR TO COORDINATE W/ OWNER ON ALL ITEMS SUPPLIED AND AFFECTING THE CONTRACTORS WORK
- NEW WALL CONSTRUCTION SHALL BE 24-GAUGE STUDS, TRACK AND BLOCKING, STUDS SET 24" OC MIN. W/ 1/2 GYPSUM BOARD
- WALL STUDS SHALL BE DESIGNED IN ACCORDANCE WITH EITHER ANSI S211 OR ANSI S107
- WALL COVERS IN PROPOSED BATHROOM TO HAVE TILE OR OTHER NONABSORBENT SURFACE, TO A HEIGHT NOT LESS THAN 48" O.F.T.

**MECH / ELEC / PLUMB. NOTES**

- THE EXTENSION OF THE MECH, ELEC. AND PLUMBING SYSTEM SHALL BE ON A DESIGN-BUILD BASIS BY THE GENERAL CONTRACTOR
- CONTRACTOR TO INSTALL COMMERCIAL GRADE ELEC. OUTLETS, SWITCHES, PLUMB. FIXTURES ECT. COORDINATE ALL OUTLETS LOCATION WITH PLAN
- HVAC AND DUCT WORK EXISTING
- ALL ELECTRICAL WORK SHALL COMPLY WITH 2017 NEC
- ALL WIRING SHALL BE IN EMT CONDUIT OR MC CABLE, MINIMUM WIRE SIZE SHALL BE #12 AWG, MINIMUM CONDUIT SIZE SHALL BE 1/2"
- ELECTRICAL PANEL IS 40 AMP 208V W/ 4 #12/2 CU THWN #60RD IN 2 1/2" EMT CONDUIT, VOLTAGE 240V/120V
- PROVIDE EXIT SIGNS AND EMERGENCY LIGHTS TO BE IN ACCORDANCE WITH ALL CODES AND REGULATIONS

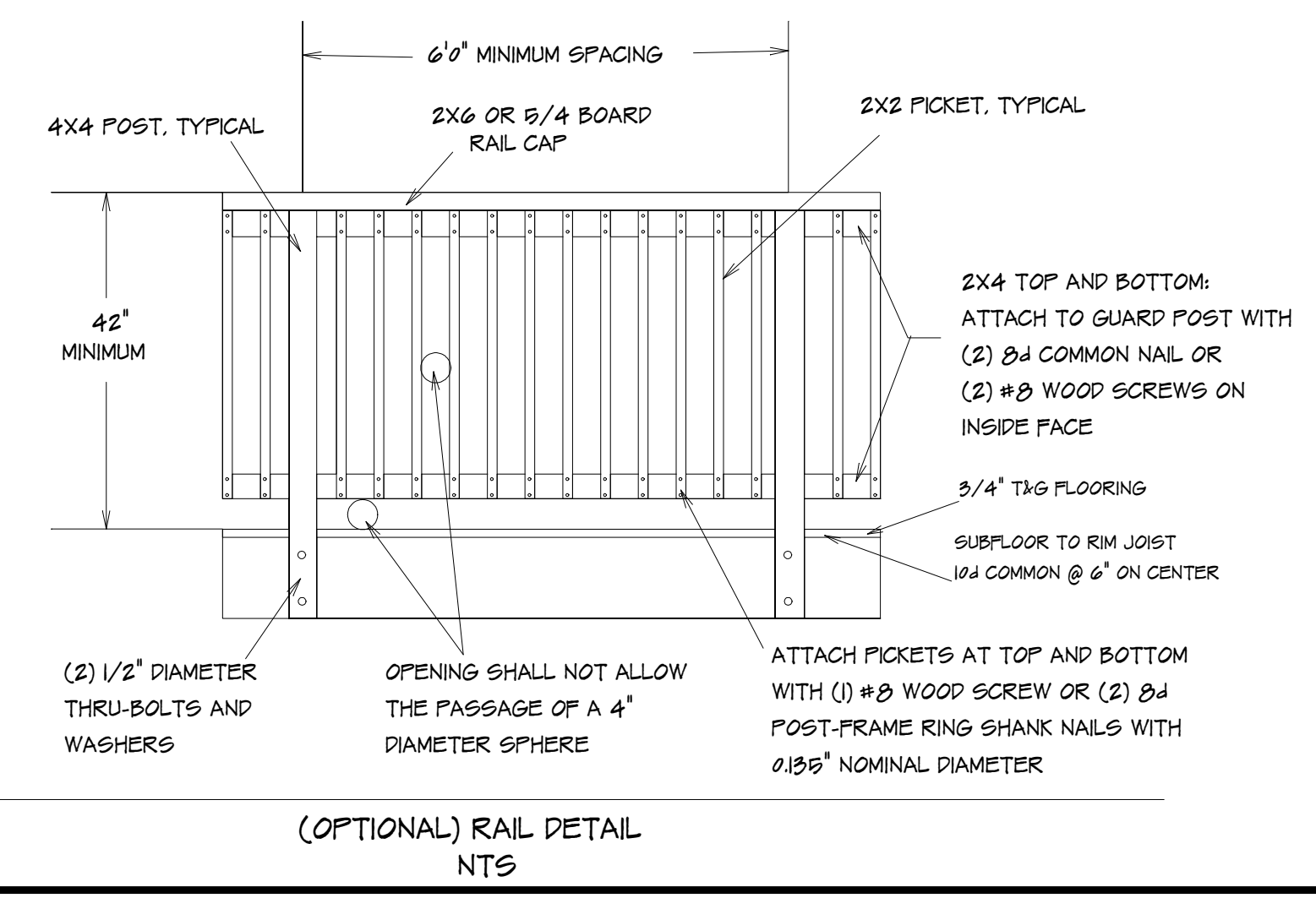
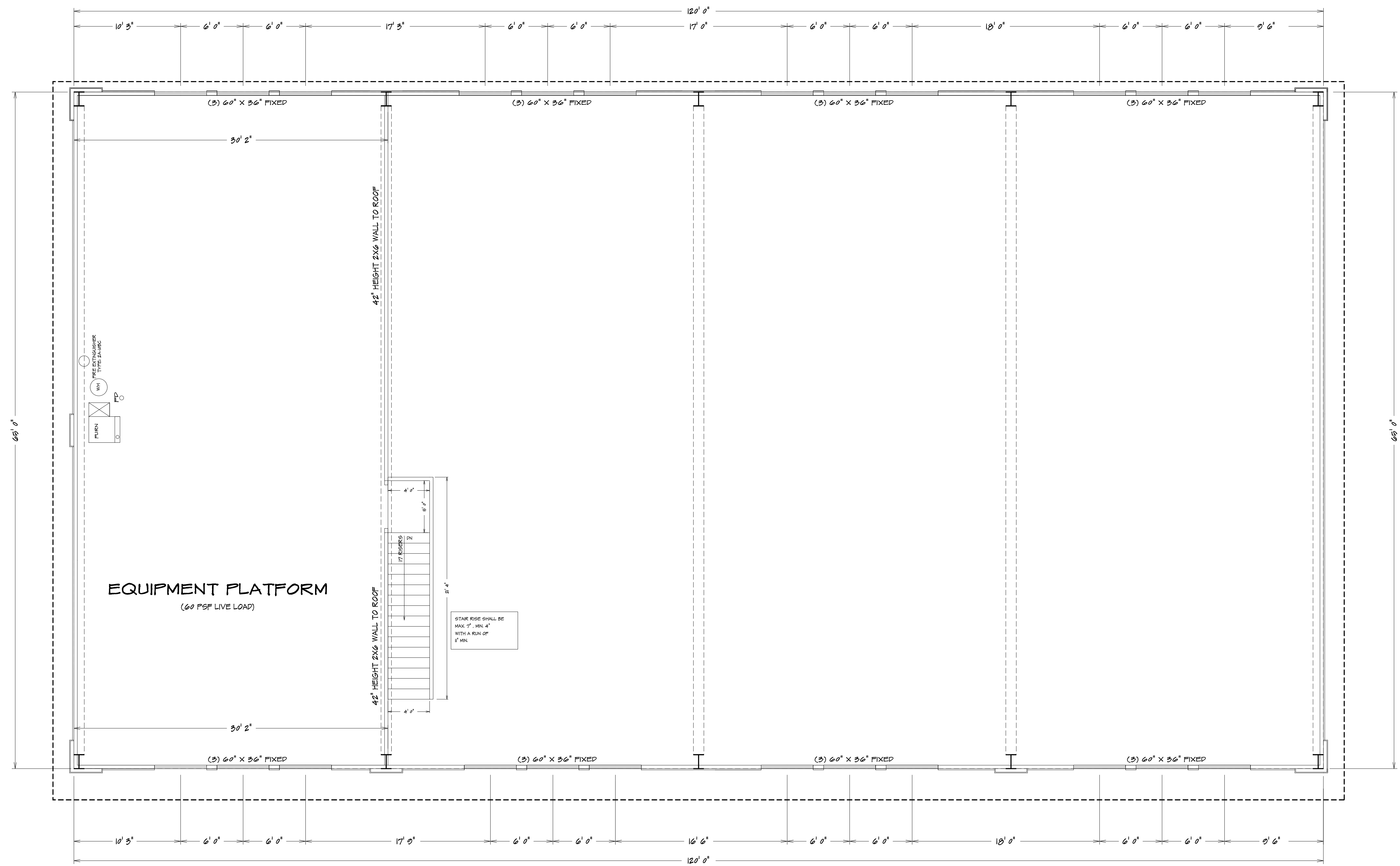
**FLOOR PLAN NOTES**

- ALL INTERIOR FINISH TO BE COORDINATED WITH OWNER
- APA RESTROOM
- ELECTRICAL PANEL LOCATION
- FLOORING FINISH COORDINATE WITH OWNER
- NEW LIGHT FIXTURE (COORDINATE WITH OWNER)
- 3/8" SOLID CORE (COORDINATE WITH OWNER)
- 2/8" DOOR (COORDINATE WITH OWNER)
- 3/8" PBL BARN DOOR (COORDINATE WITH OWNER)
- 36" X 48" FIXED GLASS (COORDINATE WITH OWNER)
- 36" SINK (COORDINATE WITH OWNER)
- UTILITY SINK (COORDINATE WITH OWNER)
- REFRIGERATOR (COORDINATE WITH OWNER)
- WALLS AND PARTITIONS WITH-IN 2" OF SERVICE SINK, URINALS AND WATER CLOSETS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE, TO A HEIGHT OF NOT LESS THAN 4' ABOVE FLOOR (COORDINATE WITH OWNER)

HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.:	SHEET NO.:
BUILDER:	PHONE:	DATE REVISED:	COM-9979	LAYOUT 2
SUB-DIVISION:	LOT NO.:	DESIGNER:	FILE NAME:	APPROX. SQ.FT.:
			9979 F-01	

BUILDER/CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY BETWEEN FLOORS, FOUNDATION AND ELEVATIONS. ALSO VERIFY ALL BEAM, HEADERS, PIG LOCATIONS, AND COLUMN SIZES. BUILDER/CONTRACTOR TO CHECK FOR CONFLICTS WITH EXISTING UTILITIES. BUILDER/CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS AND ACCEPTS ALL RESPONSIBILITY FOR LOT PLACEMENT, SET BACKS AND FLOOR PLANS. BUILDER/CONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBILITY FOR ANY AND ALL COPYRIGHT INFRINGEMENTS OR RESUBMISSIONS TO OTHER COPYRIGHTED PLANS. BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY ON SITE CHANGES MADE TO STRUCTURE.



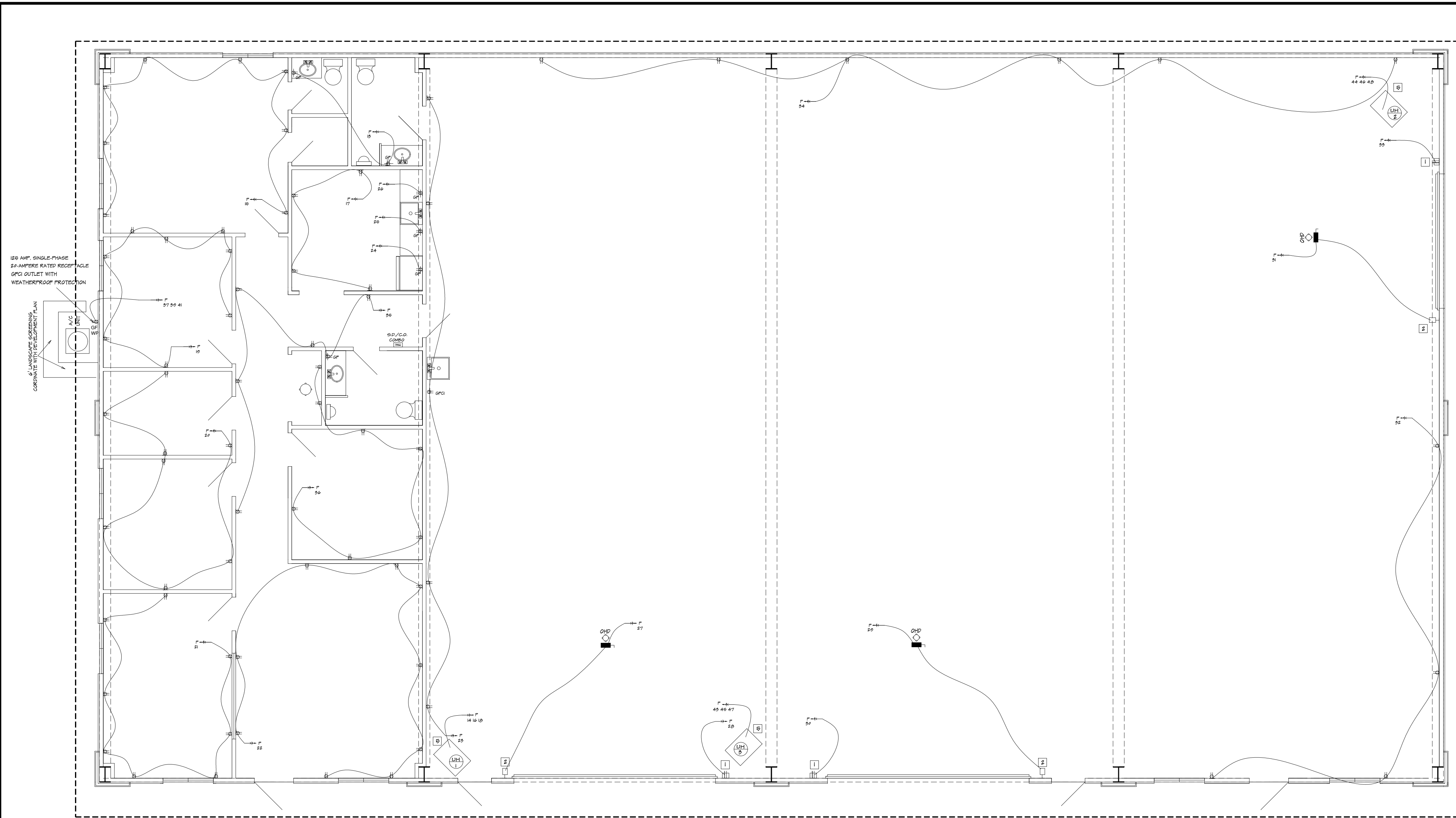


**SECOND FLOOR PLAN**  
3/16" = 1'0"

HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.:	SHEET NO.:
BUILDER:	PHONE:	DATE REVISED:	COM-9779	4
SUB-DIVISION:	LOT NO.:	DESIGNER:	FILE NAME:	APPROX. SQ.FT.:
			9779.F32	

BUILDER/CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY BETWEEN FLOORS, FOUNDATION, AND ELEVATIONS. ALSO VERIFY ALL BEAM, HEADERS, AND COLUMN SIZES. BUILDER/CONTRACTOR IS TO CHECK FOR ALL DIMENSIONS AND LOCATIONS. BUILDER/CONTRACTOR ACCEPTS ALL RESPONSIBILITY FOR ANY LOT PLACEMENT, SET BACKS, AND FLOOR PLANS. BUILDER/CONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBILITY FOR ANY AND ALL COPYRIGHT INFRINGEMENTS OR RESUBMISSIONS TO OTHER COPYRIGHTED PLANS. BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY ON-SITE CHANGES MADE TO STRUCTURE.

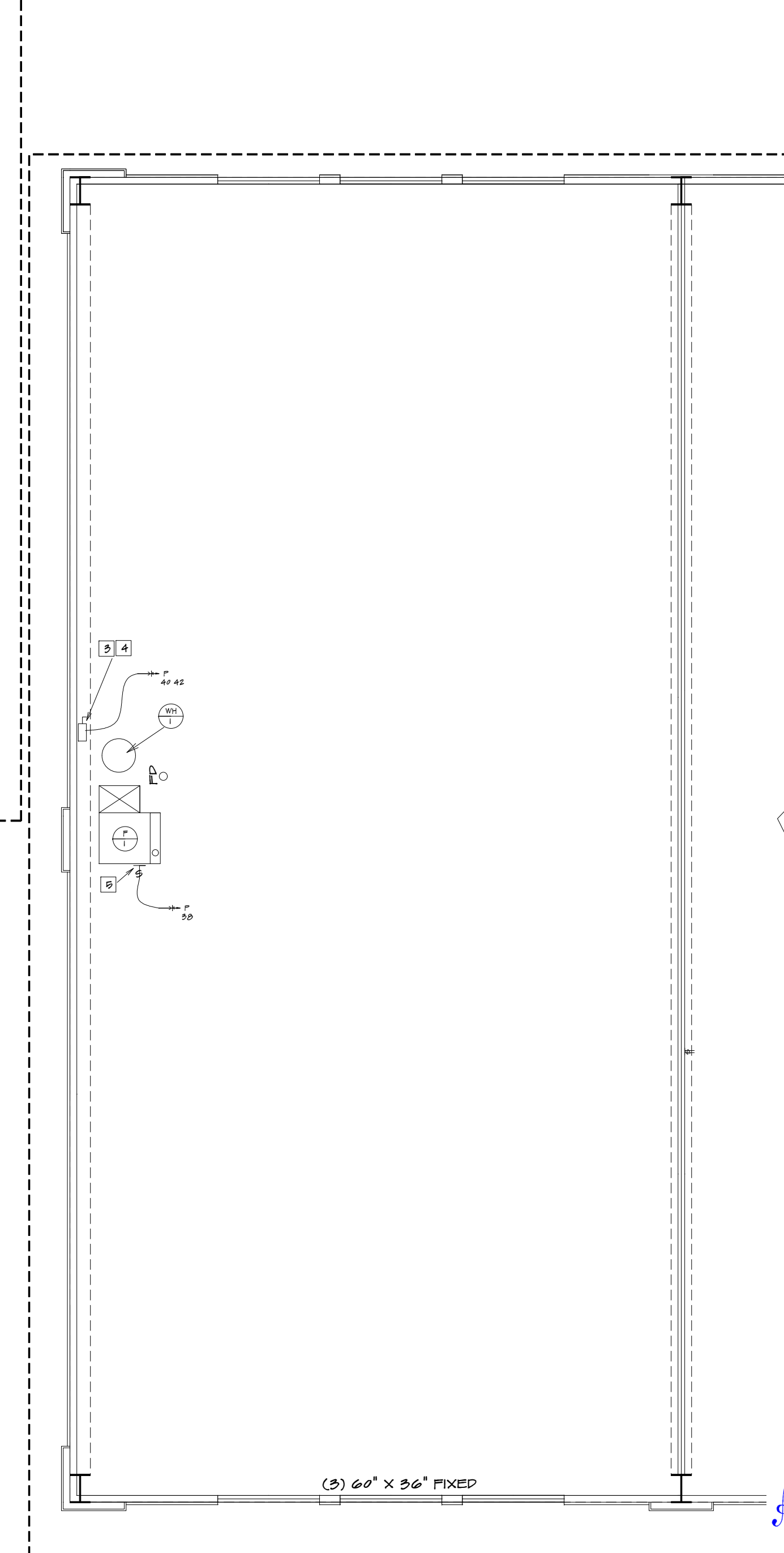




LOWER LEVEL POWER PLAN  
 $3/16" = 1'0"$

### ELECTRICAL PLAN NOTES

1. INSTALL OUTLET BOX FOR WIRING DEVICE WITH TOP 48" AFF OF GROUND FLOOR
2. ON/OFF/STOP PUSH-BUTTON INSTALLED AT 48" AFF OF GROUND FLOOR FOR OVERHEAD DOOR MOTOR CONTROL.
3. 30A, 280V, 2-POLE, 3-WIRE DISCONNECTING MEANS
4. 3/4" CONDUIT, 2-WIRE AND 1-WIRE GROUND WIRE
5. 20A, 120V, 1-POLE DISCONNECTING MEANS

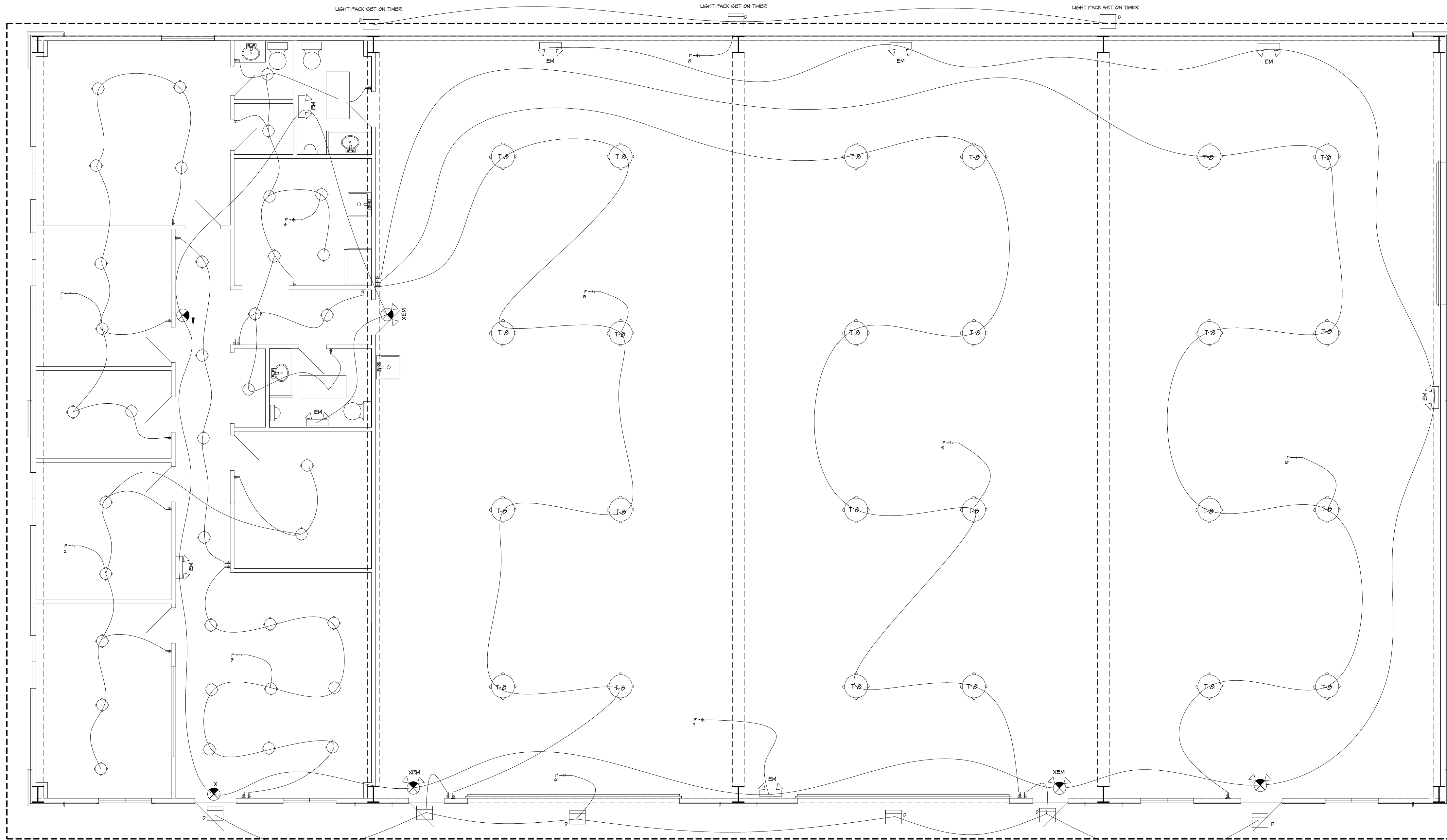


UPPER LEVEL POWER PLAN  
 $3/16" = 1'0"$

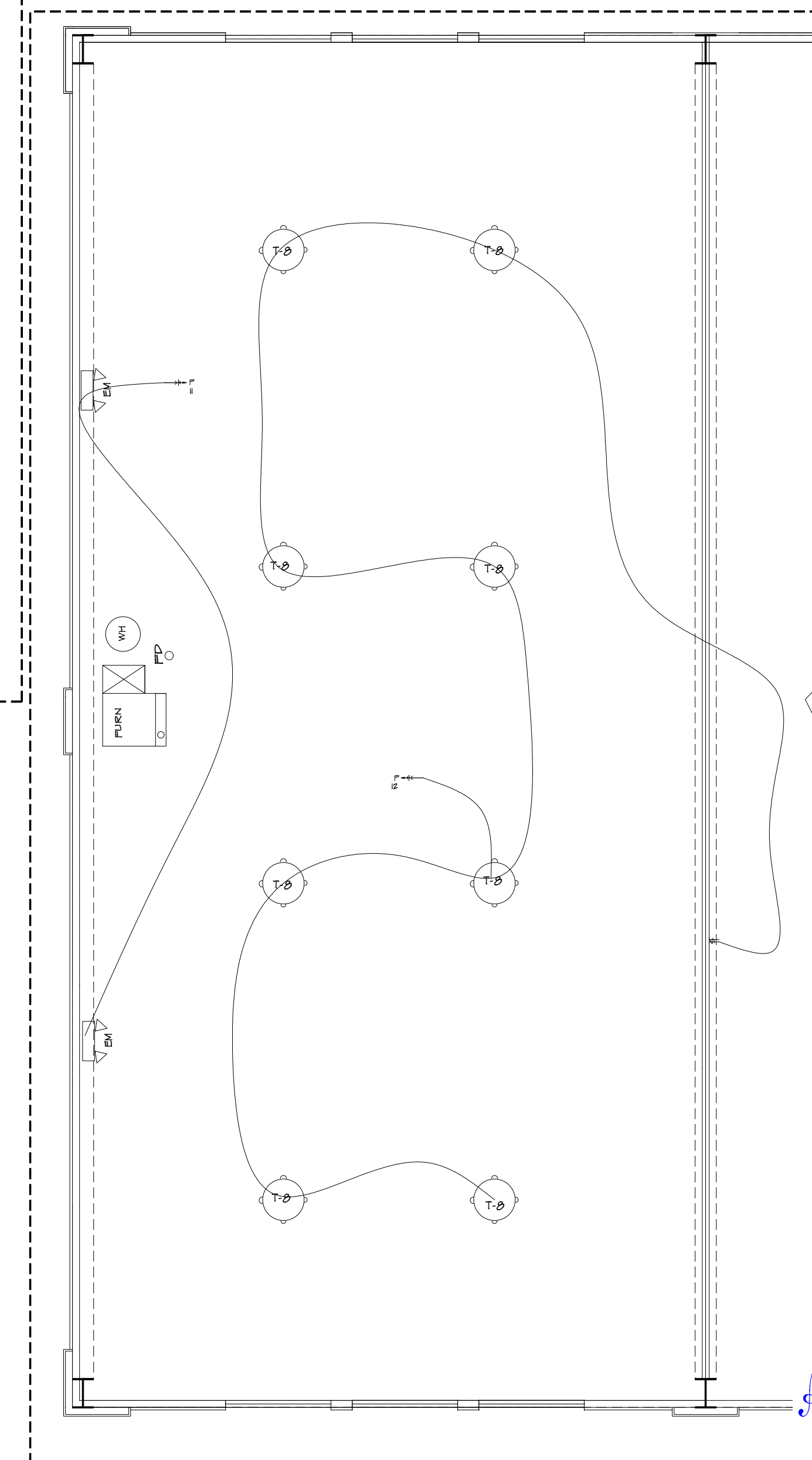
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BUILDER:	PHONE:	DATE REVISED:	COM-9979	9
SUB-DIVISION:	LOT NO.	DESIGNER:	FILE NAME:	APPROX. SQ.FT.
			9979 ELE1	

BUILDER/CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY BETWEEN FLOORS, FOUNDATION, AND ELEVATIONS. ALSO VERIFY ALL BEAM HEADERS, PIG LOCATIONS, AND COLUMN SIZES. BUILDER/CONTRACTOR TO CHECK FOR CONFLICTS WITH MECHANICAL, PLUMBING, AND STRUCTURAL. BUILDER/CONTRACTOR ACCEPTS ALL RESPONSIBILITY FOR LOT PLACEMENT, SET BACKS, AND FLOOR PLANS. BUILDER/CONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBILITY FOR ANY AND ALL COPYRIGHT INFRINGEMENTS OR RESUBMISSIONS TO OTHER COPYRIGHTED PLANS. BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY ON-SITE CHANGES MADE TO STRUCTURE.





LOWER LEVEL LIGHTING PLAN  
 $3/16" = 1'0"$



UPPER LEVEL LIGHTING PLAN  
 $3/16" = 1'0"$

BUILDING CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY BETWEEN FLOORS, FOUNDATION, AND ELEVATIONS. ALSO VERIFY ALL BEAM, HEADERS, AND COLUMN SIZES. BUILDING CONTRACTOR TO CHECK FOR CONFLICTS WITH MECHANICAL, ELECTRICAL, AND PLUMBING. BUILDING CONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBILITY FOR ANY AND ALL COPYRIGHT INFRINGEMENTS OR RESemblANCES TO OTHER COPYRIGHTED PLANS. BUILDING CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY ON SITE CHANGES MADE TO STRUCTURE.

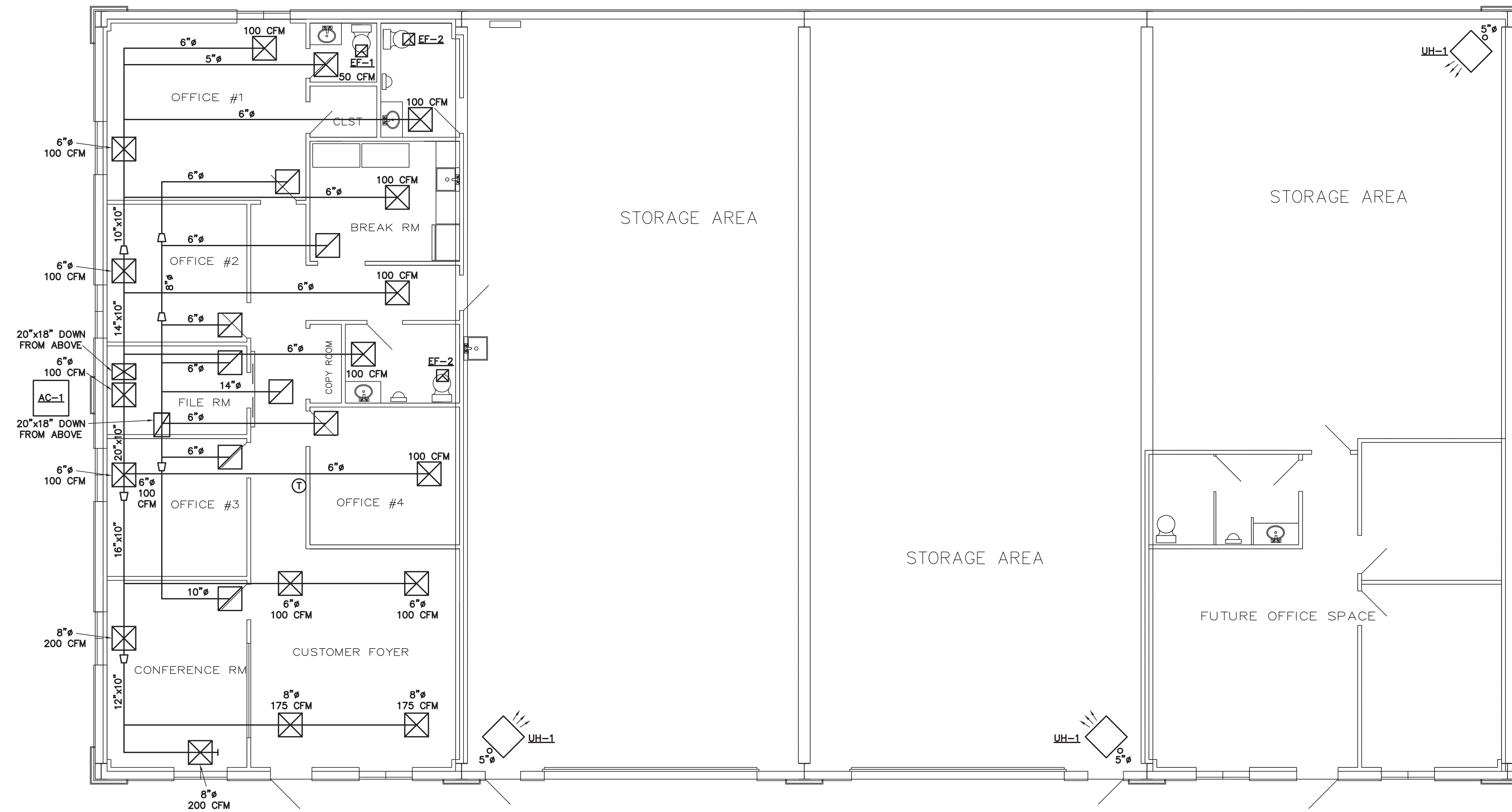
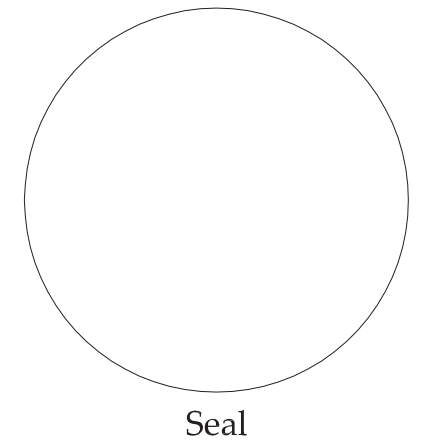


HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.	SHEET NO.
BUILDER:	PHONE:	DATE REVISED:	COM-9979	6
SUB-DIVISION:	LOT NO.	DESIGNER:	FILE NAME:	APPROX. SQ.FT.
			9979 ELE 2	





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FIRST FLOOR MECHANICAL PLAN  
SCALE: 3/16" = 1'

ITEM# 6

MECHANICAL EQUIPMENT SCHEDULE	
EF-1	BROAN 75 CFM BATH EXHAUST FAN, WITH 4" VENT OUT ROOF
EF-2	BROAN 150 CFM BATH EXHAUST FAN, WITH 5" VENT OUT ROOF
UH-1	REZNOR 225,000 BTU UNIT HEATER, WITH THERMOSTAT AND 5" VENT OUT ROOF
FU-1	CARRIER 120,000 BTU 92% FURNACE, WITH 5 TON COIL AND PVC VENT AND INTAKE OUT ROOF
FU-1	CARRIER 120,000 BTU 92% FURNACE, WITH 5 TON COIL AND PVC VENT AND INTAKE OUT ROOF
AC-1	CARRIER 5 TON AIR CONDITIONER, 13 SEER, 208/1/60

NOTES:  
1. ALL SUPPLY DIFFUSERS TMS LAY-IN.  
2. ALL RETURN AIR DIFFUSERS PERFORATED LAY-IN.

ITEM# 7

IMC 2012 FRESH AIR REQUIREMENTS
16 PEOPLE AT .5 CFM FRESH AIR PER PERSON = 80 CFM FRESH AIR ADJUST FRESH AIR DAMPER TO 80 CFM



**COMMERCIAL REVIEW**

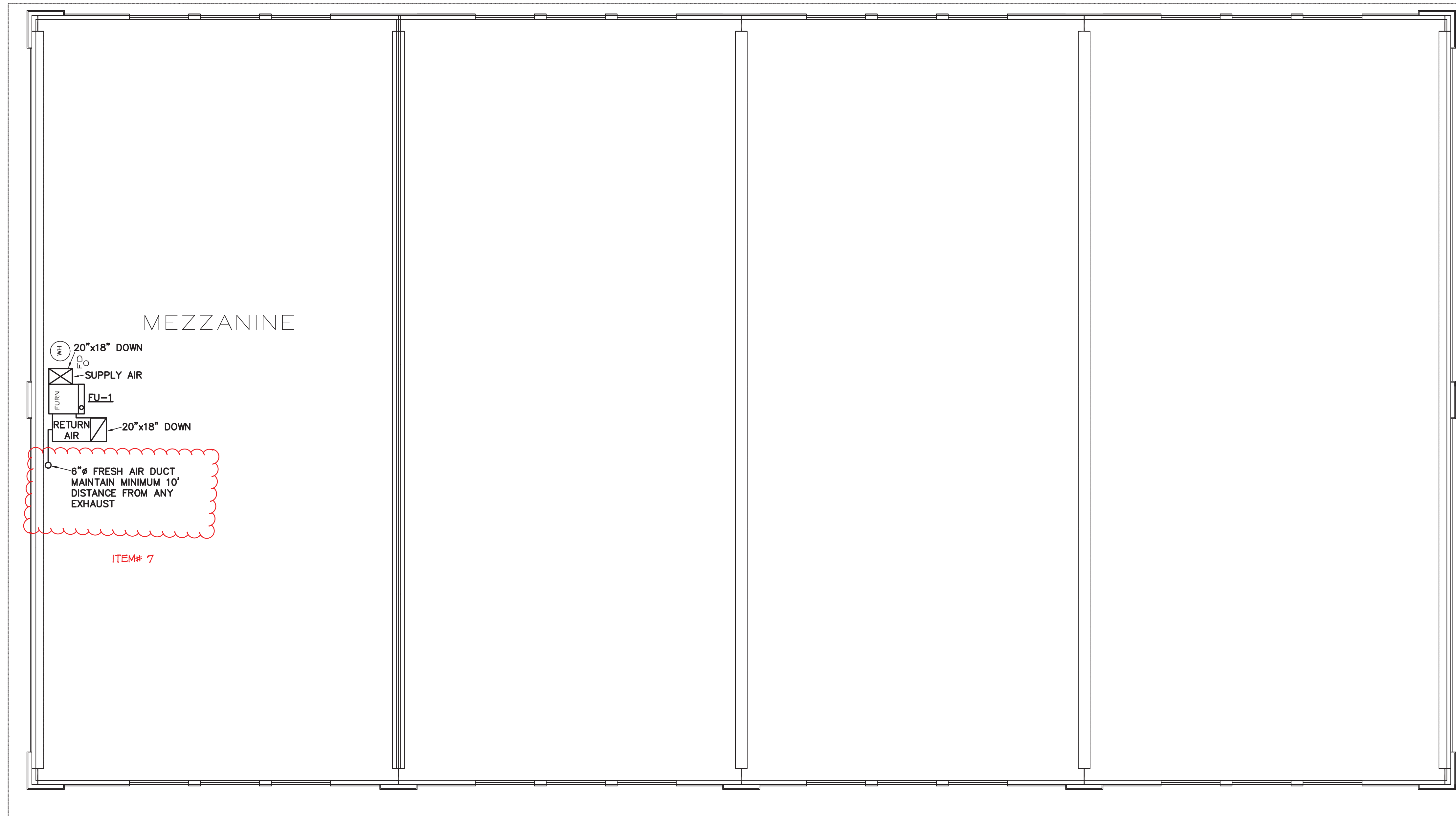
**1450 SE BROADWAY  
LEES SUMMIT, MISSOURI**

Drawing Date: \_\_\_\_\_

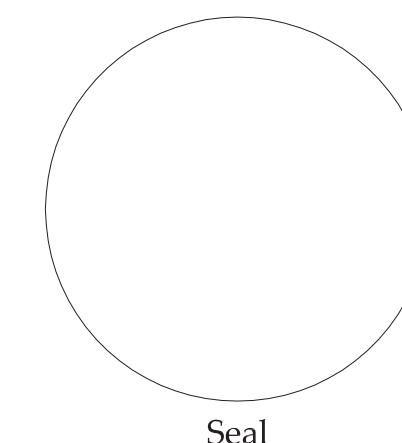
FIRST FLOOR  
MECHANICAL PLAN

M1

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SECOND FLOOR MECHANICAL PLAN  
SCALE: 3/16" = 1'



**COMMERCIAL REVIEW**

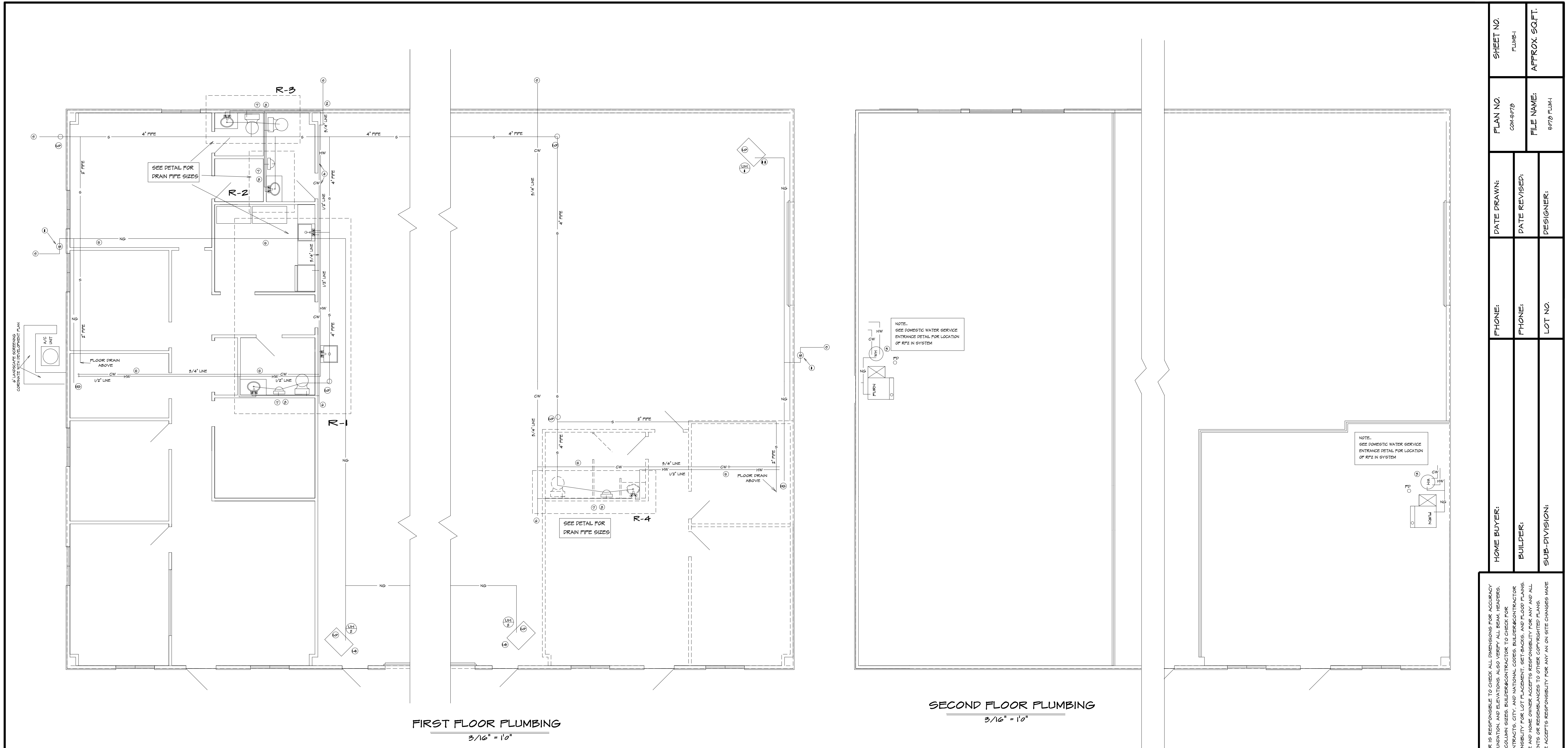
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LEES SUMMIT, MISSOURI**



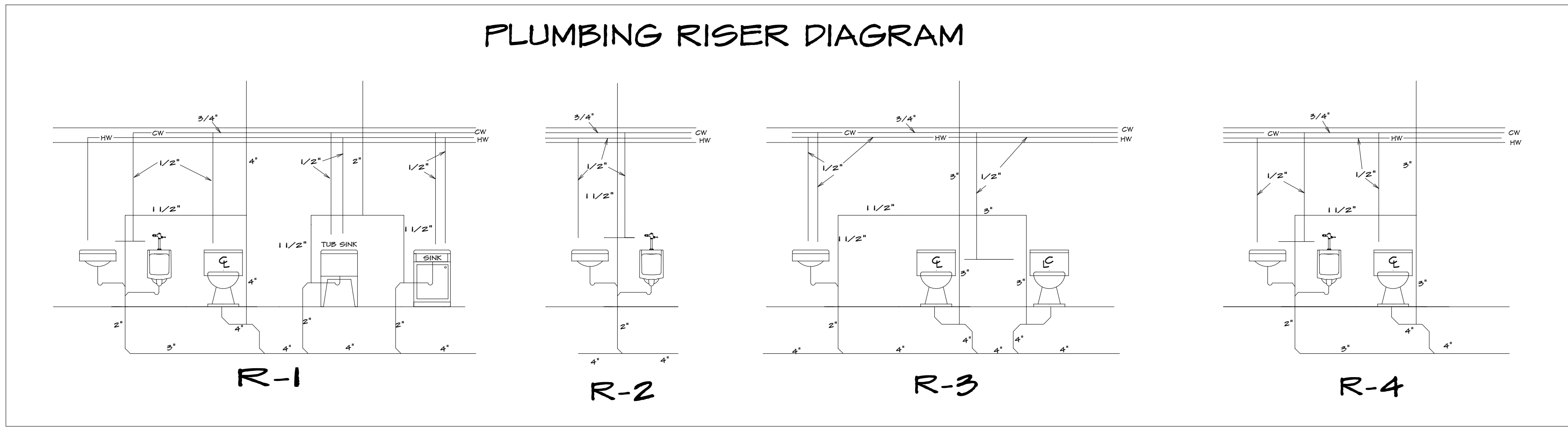
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SECOND FLOOR  
MECHANICAL PLAN

M2



**PLUMBING RISER DIAGRAM**



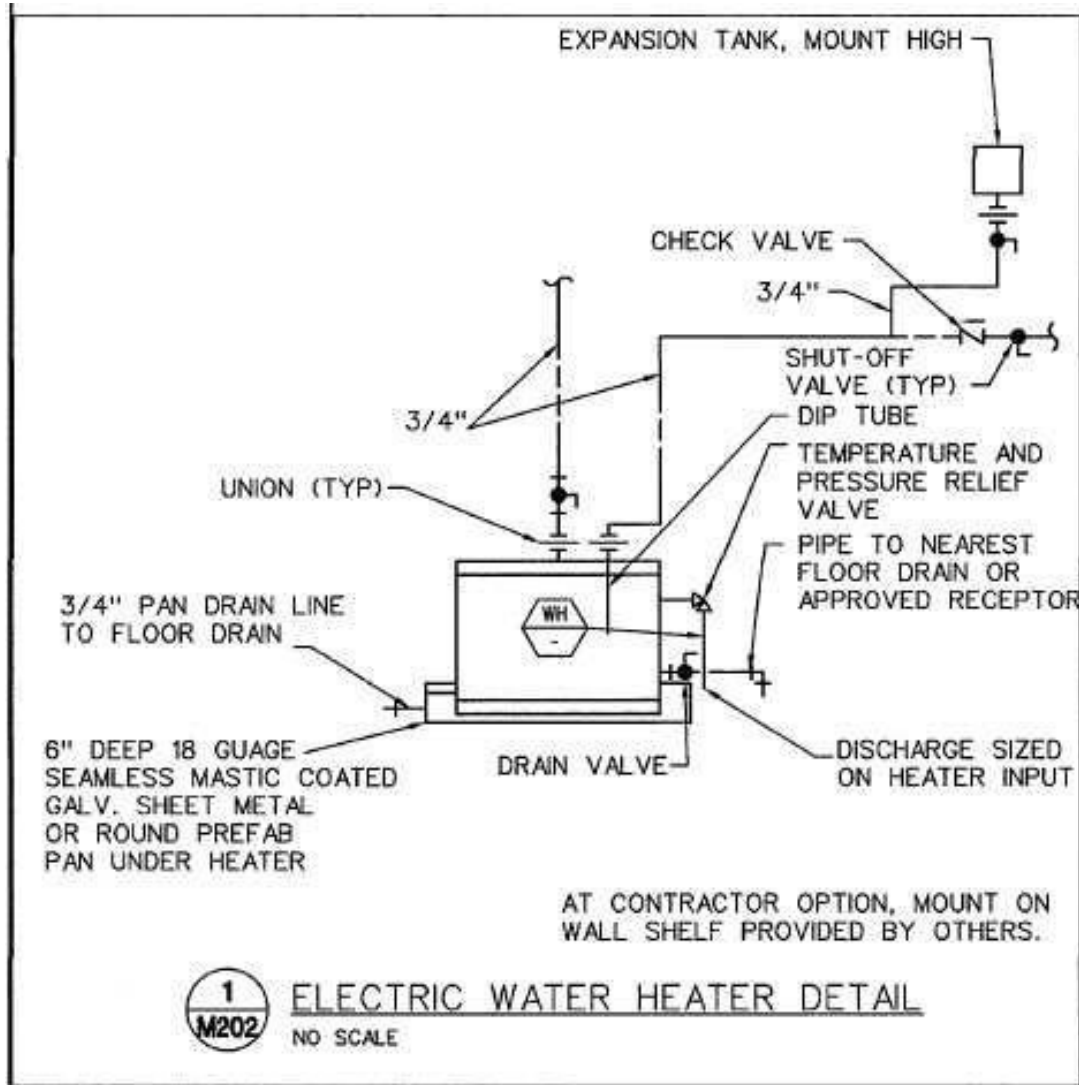
**PLUMBING PLAN NOTES**

- SEE 'NATURAL GAS METER DETAIL', SHEET MP-2, FOR PIPING CONFIGURATION. MINIMUM CAPACITY SHALL BE 710 MBH.
- SEE 'DOMESTIC WATER SERVICE ENTRANCE DETAIL', SHEET MP-2, FOR PIPING CONFIGURATION.
- DOMESTIC WATER HEATER ON MECHANICAL PLATFORM. SEE DOMESTIC WATER HEATER DETAIL SHEET MP-2, FOR PIPING CONFIGURATION. EXTEND 3/4" DRAIN TO FLOOR DRAIN.
- RUN PIPING ALONG WALL BELOW MECHANICAL FLOOR ELEVATION.
- RUN PIPING BETWEEN OR BELOW MECHANICAL FLOOR STRUCTURE.
- EXTEND PIPING UP TO HIGHER ROOF AREA OR AS DIRECTED BY THE OWNER.
- SEE 'DOMESTIC WATER RISER DIAGRAM', SHEET MP-2, FOR CONTINUATION OF DOMESTIC WATER PIPING.
- SEE 'WASTE AND VENT RISER DIAGRAM', SHEET MP-2, FOR CONTINUATION.
- SEE 'SITE PLAN' FOR CONTINUATION.
- WASTE PIPE CLEANOUT.
- 1/4" NG DOWN TO UH-1. SEE 'UNIT HEATER DETAIL', SHEET MP-2 FOR CONFIGURATION OF PIPING.
- 1/2" CW DOWN TO NFWH. INSTALL SOV IN RISER APPROXIMATELY 4' A.F.F.
- SEE YARD CLEANOUT DETAIL, SHEET MP-2.
- 1/2" NG DOWN. EXTEND 1/4" NG TO EACH UH-1.
- RUN 1" NG PIPING TO P-1.

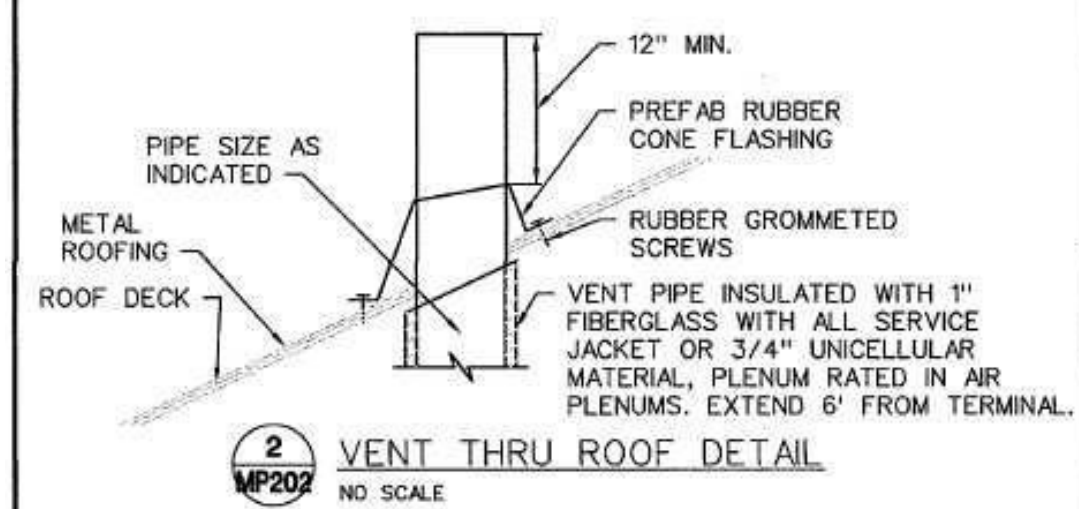
PLUMBER CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY BETWEEN FLOORS, FOUNDATION, AND ELEVATIONS. ALSO VERIFY ALL BEAM, HEADERS, AND COLUMN SIZES. PLUMBER CONTRACTOR SHALL VERIFY ALL BEAM, HEADERS, AND COLUMN SIZES. PLUMBER CONTRACTOR SHALL VERIFY ALL BEAM, HEADERS, AND COLUMN SIZES. PLUMBER CONTRACTOR SHALL VERIFY ALL BEAM, HEADERS, AND COLUMN SIZES. PLUMBER CONTRACTOR SHALL VERIFY ALL BEAM, HEADERS, AND COLUMN SIZES.

HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.:	SHEET NO.:
BUILDER:	PHONE:	DATE REVISED:	COM-9979	PLUMB-1
SUB-DIVISION:	LOT NO.:	DESIGNER:	FILE NAME:	APPROX. SQ.FT.:
			9979 PLUMB1	

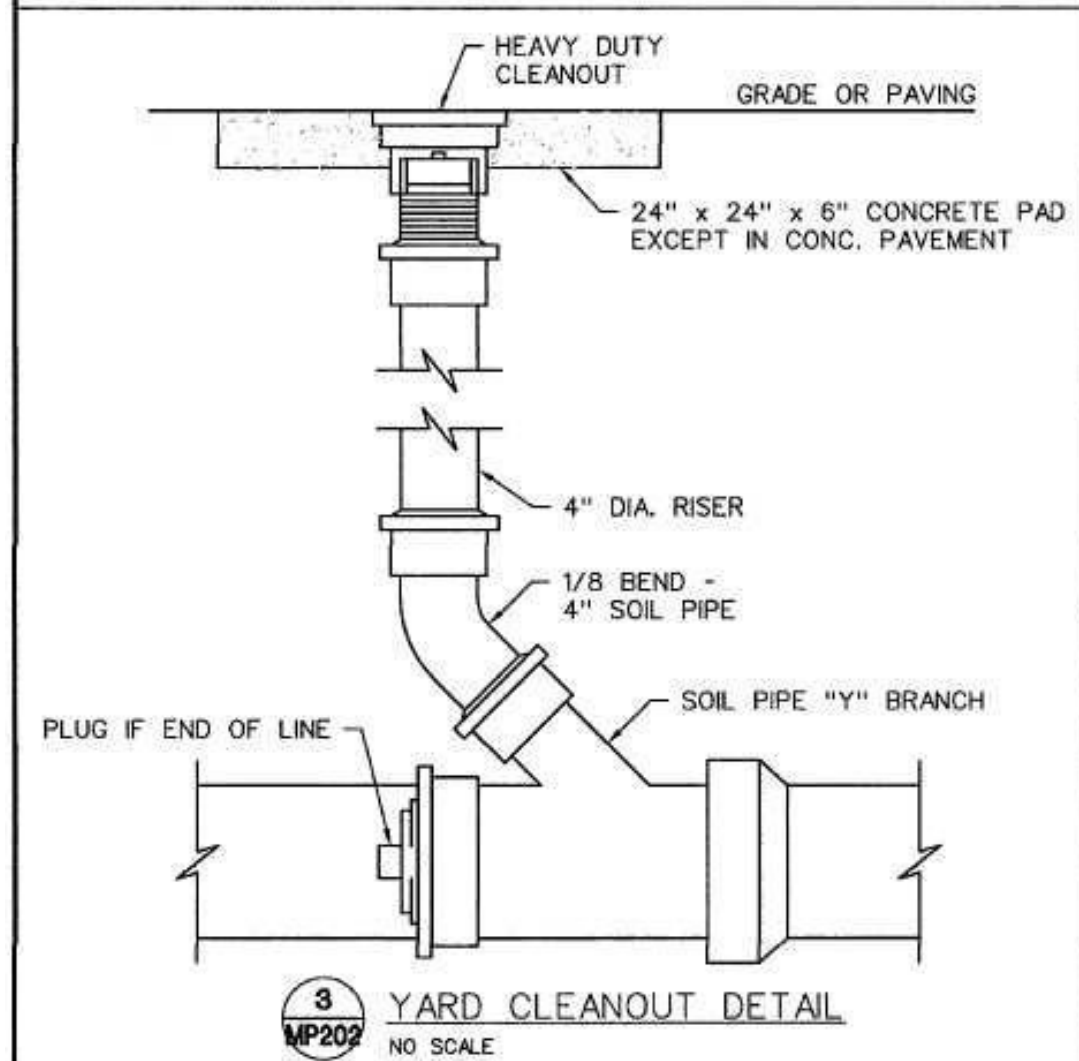




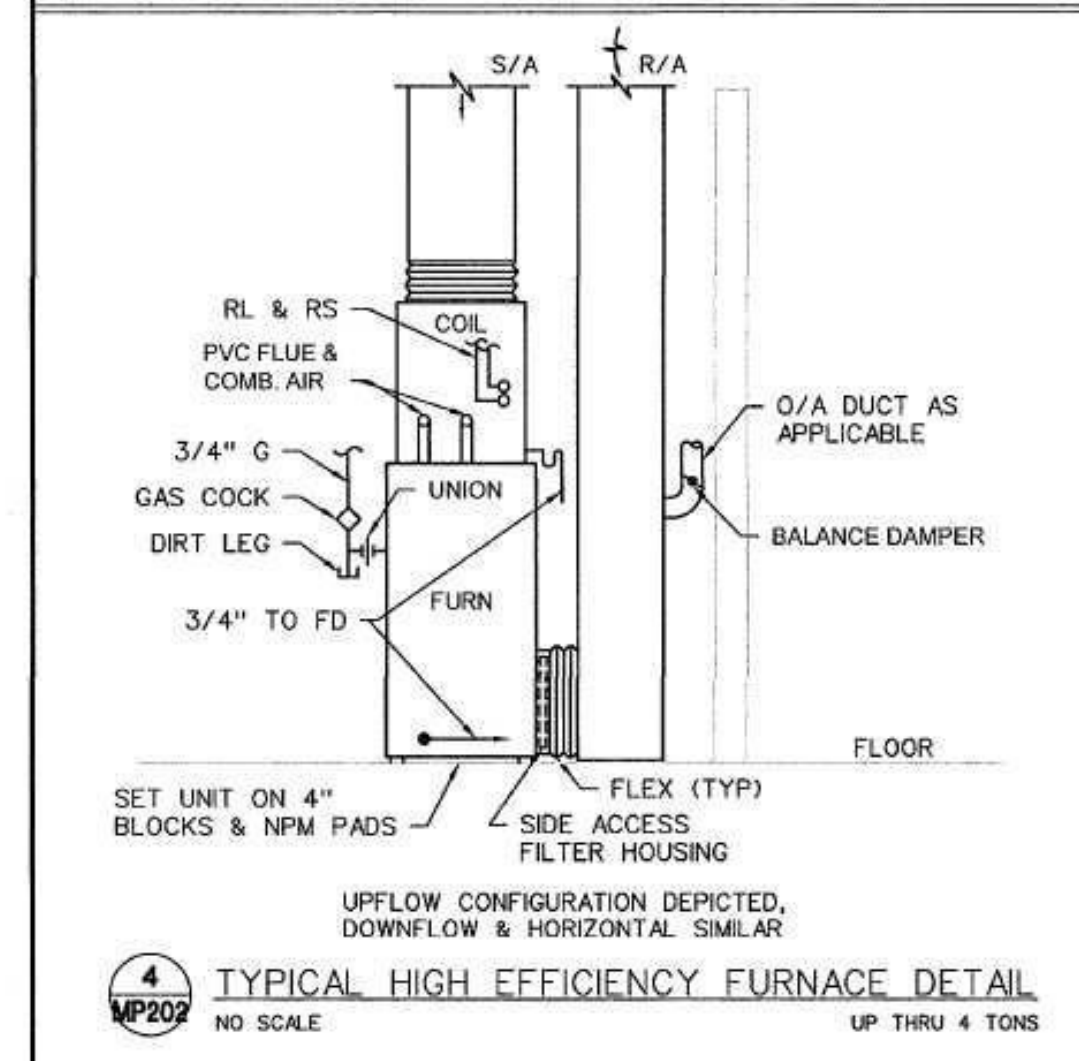
1 ELECTRIC WATER HEATER DETAIL  
NO SCALE



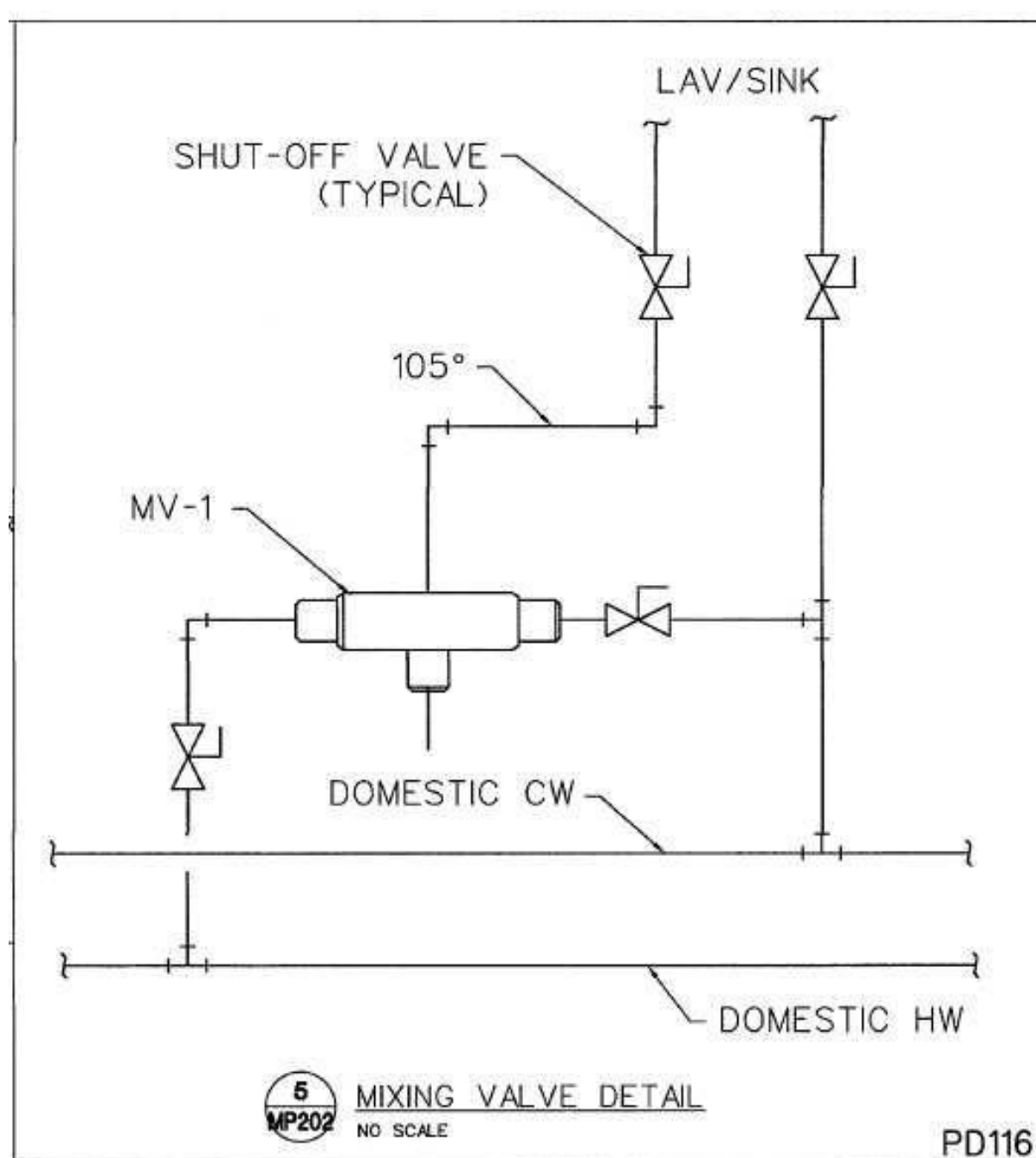
2 VENT THRU ROOF DETAIL  
NO SCALE



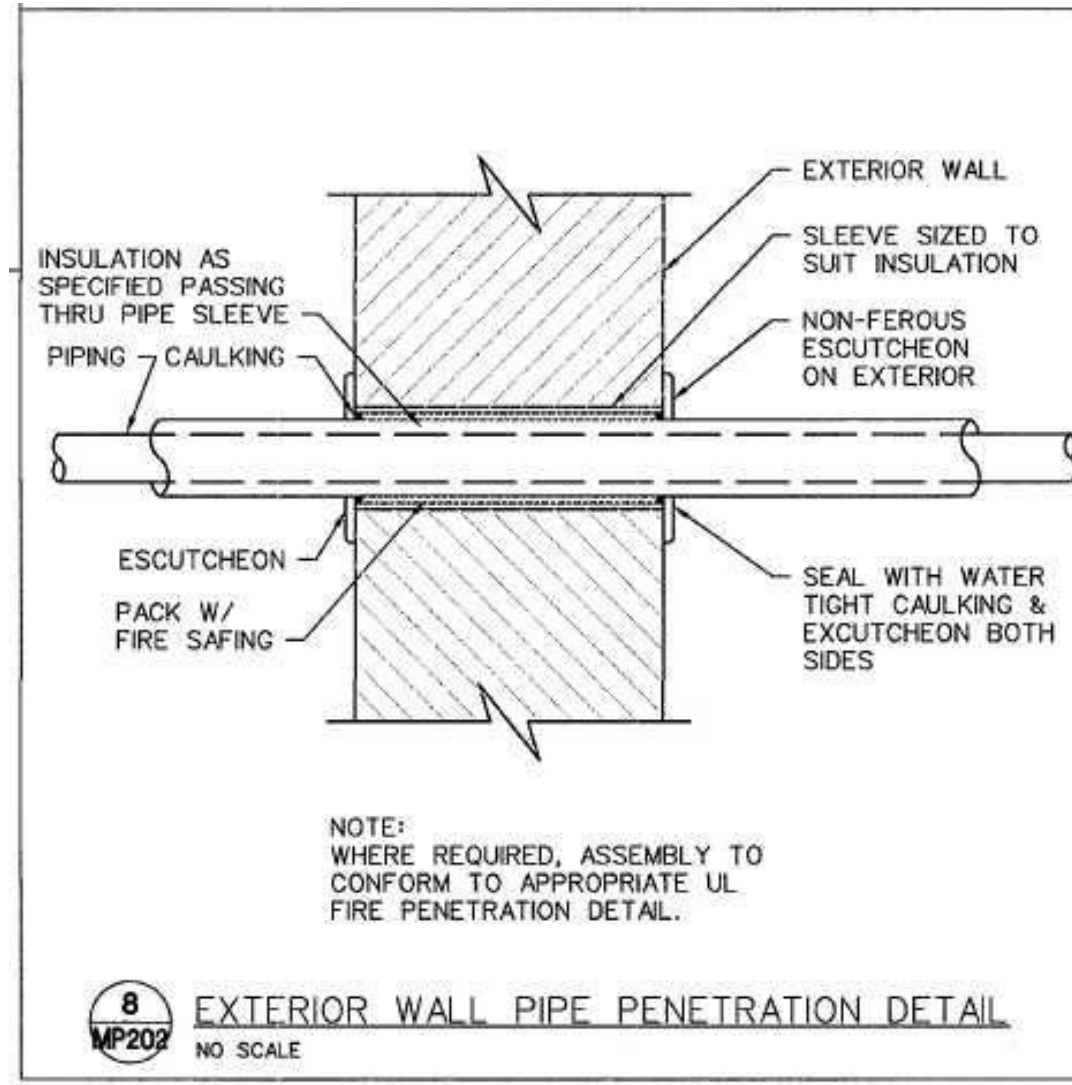
3 YARD CLEANOUT DETAIL  
NO SCALE



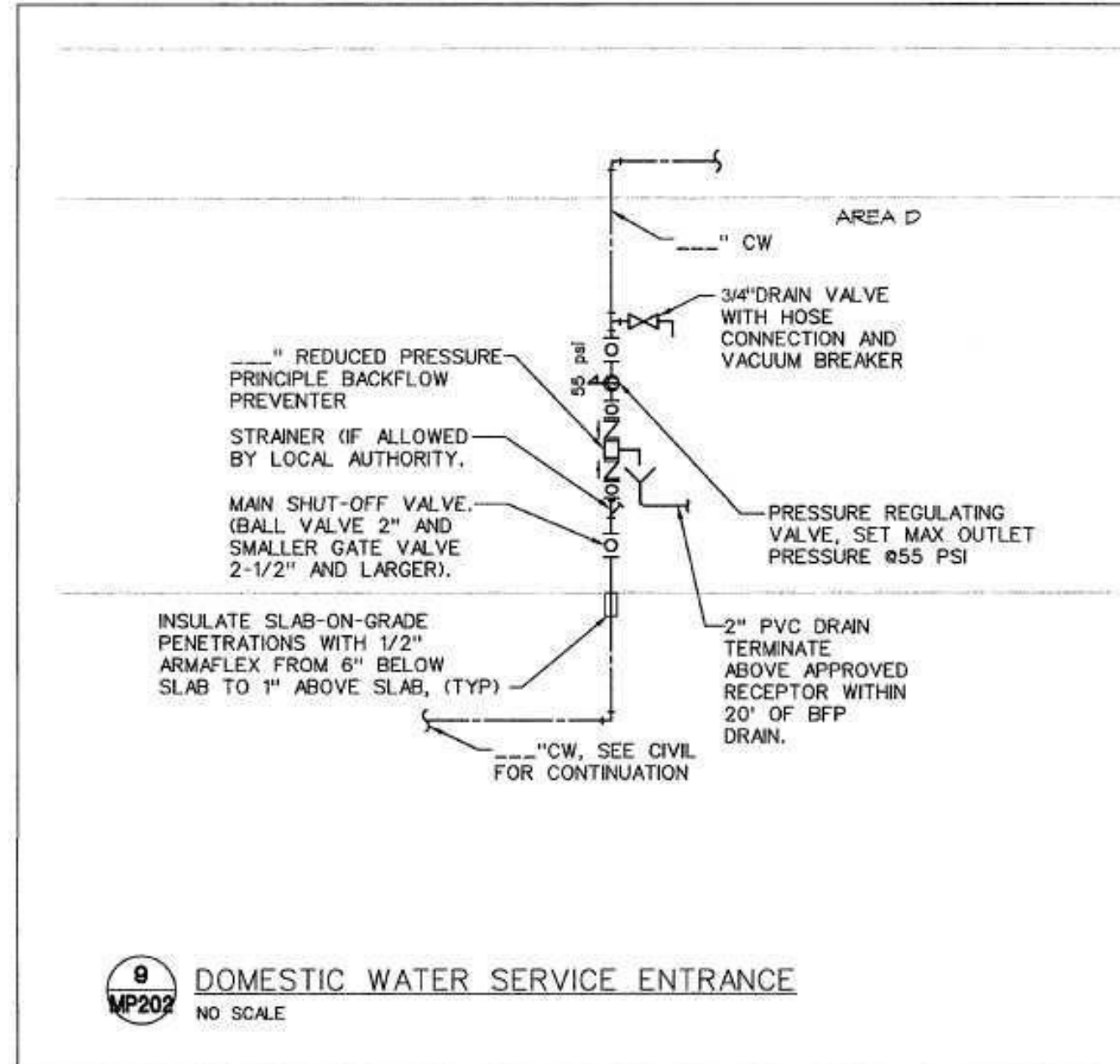
4 TYPICAL HIGH EFFICIENCY FURNACE DETAIL  
NO SCALE



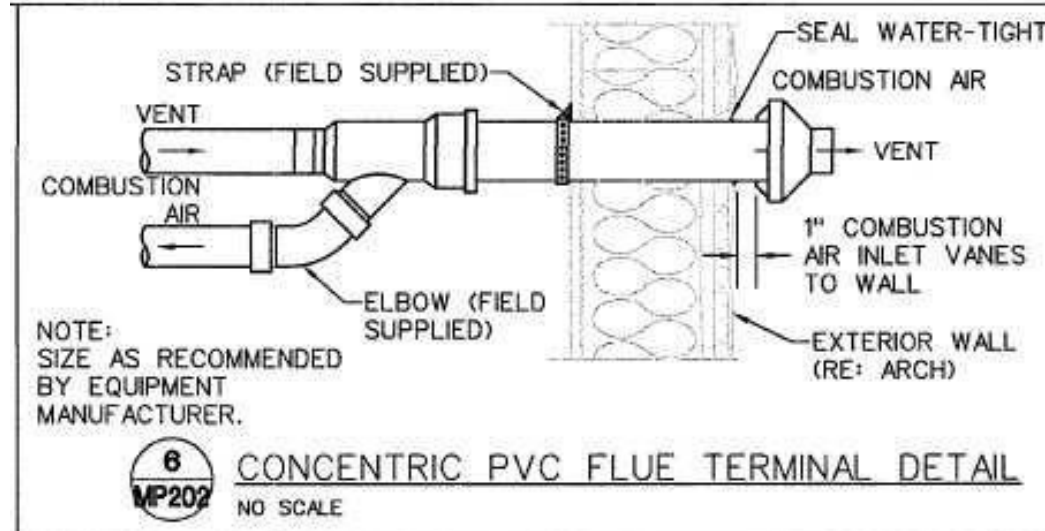
5 MIXING VALVE DETAIL  
NO SCALE



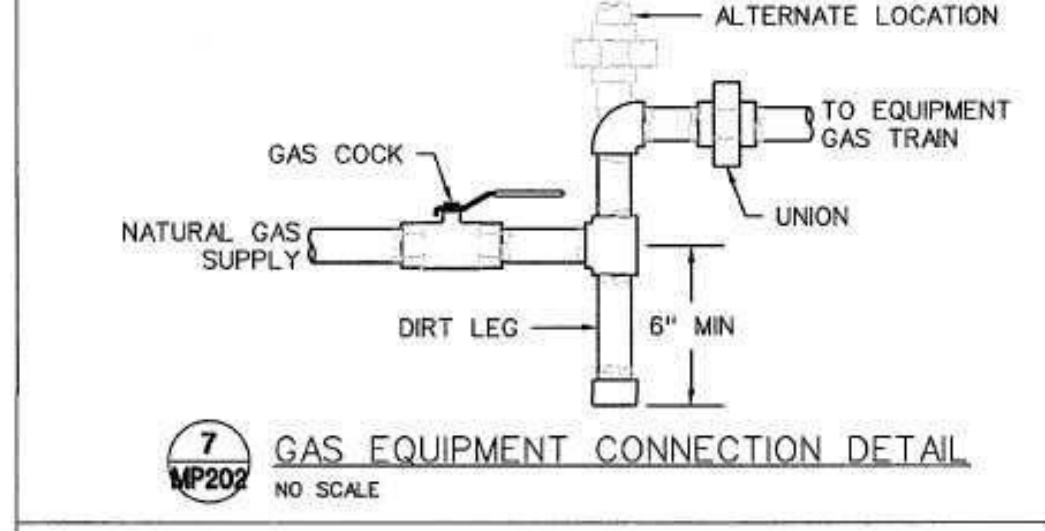
8 EXTERIOR WALL PIPE PENETRATION DETAIL  
NO SCALE



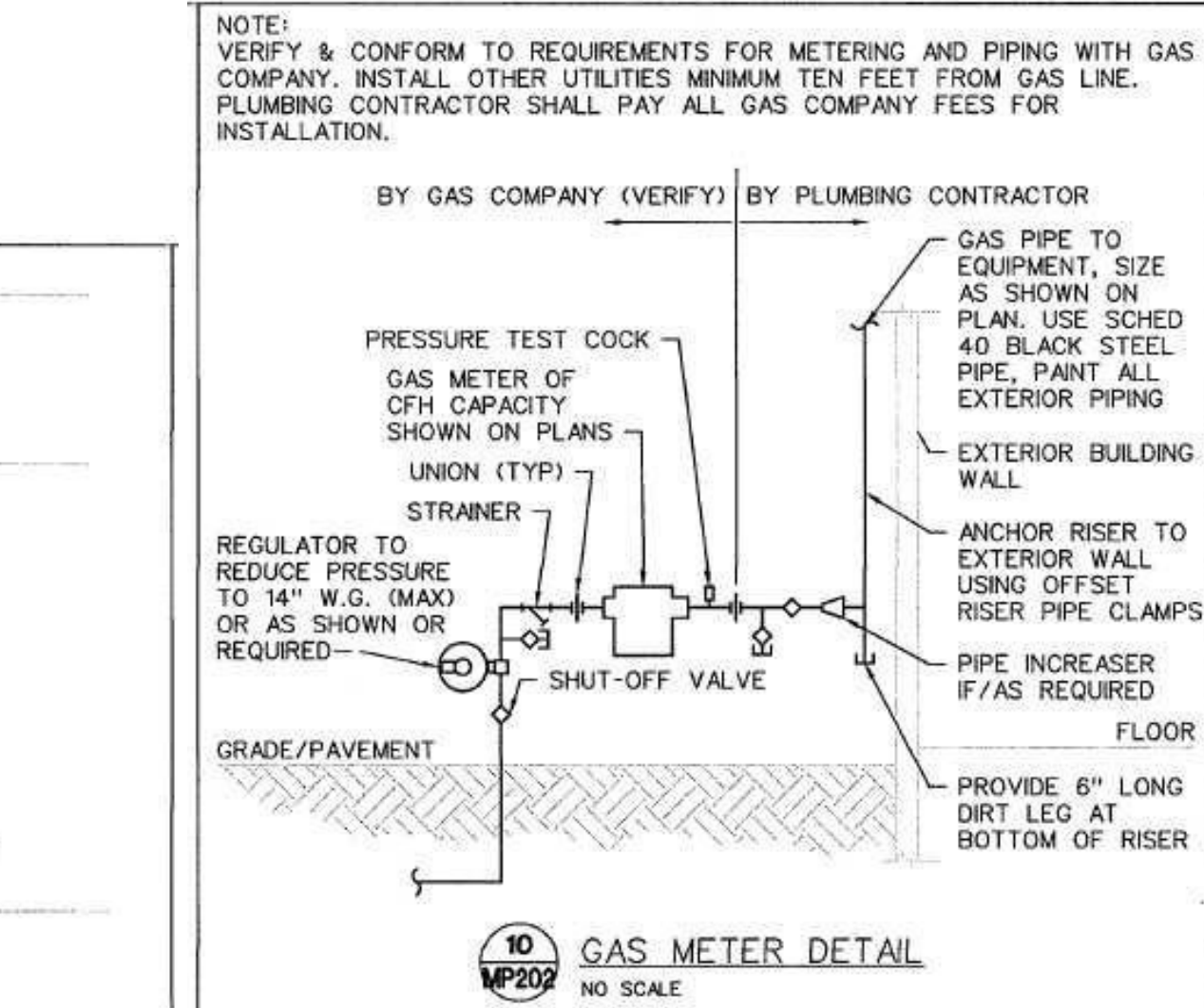
9 DOMESTIC WATER SERVICE ENTRANCE  
NO SCALE



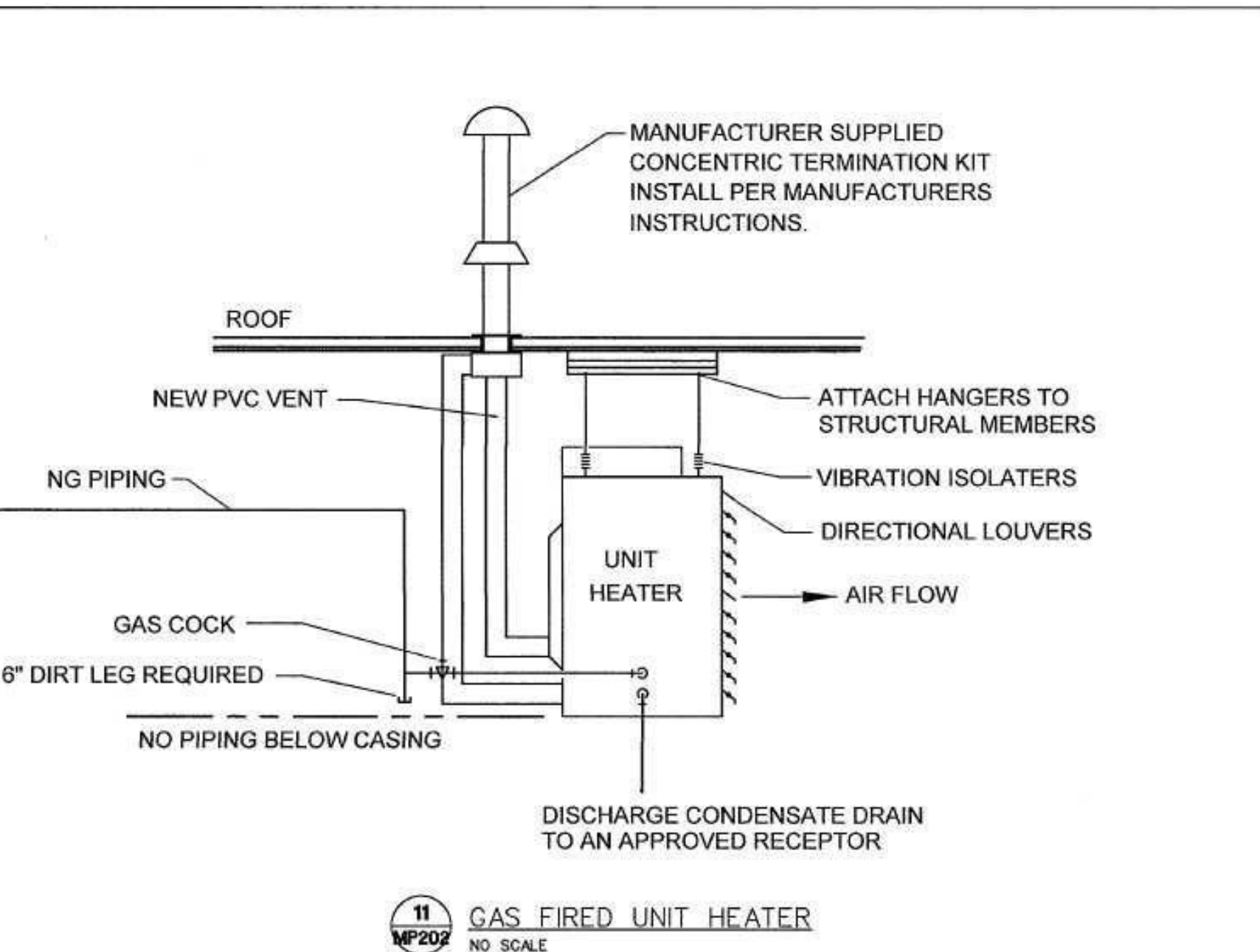
6 CONCENTRIC PVC FLUE TERMINAL DETAIL  
NO SCALE



7 GAS EQUIPMENT CONNECTION DETAIL  
NO SCALE



10 GAS METER DETAIL  
NO SCALE



11 GAS FIRED UNIT HEATER  
NO SCALE

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	KSA030KD	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 2948, ASTM F 441, ASTM F 442, CSA B137.6
Chlorinated polyvinyl chloride/aluminum chlorinated 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, VL, L, WL, N or VM)	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/aluminum/cross-linked polyethylene (PEX-AL-PE) pipe	ASTM F 1281, ASTM F 2262, CSA B137-10
Cross-linked polyethylene/aluminum/high-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/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 Sink	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"	---	---
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. PLUMB-2  
PLAN NO. 004-9779  
FILE NAME: 9779 PLUMB-2  
DATE DRAWN:  
DATE REVISION:  
DESIGNER:  
PHONE:  
PHONE:  
LOT NO.  
HOME BUYER:  
BUILDER:  
SUB-DIVISION:

SUBCONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY BETWEEN FLOORS, FOUNDATION AND ELEVATIONS. ALSO VERIFY ALL BEAM HEADERS, PIG LOCATIONS, AND COLUMN SIZES. SUBCONTRACTOR SHALL VERIFY ALL CHECK FOR CONFORMANCE WITH ALL CITY, STATE AND FEDERAL REQUIREMENTS. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, INSURANCE, AND ALL OTHER REQUIREMENTS. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, INSURANCE, AND ALL OTHER REQUIREMENTS. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, INSURANCE, AND ALL OTHER REQUIREMENTS.

