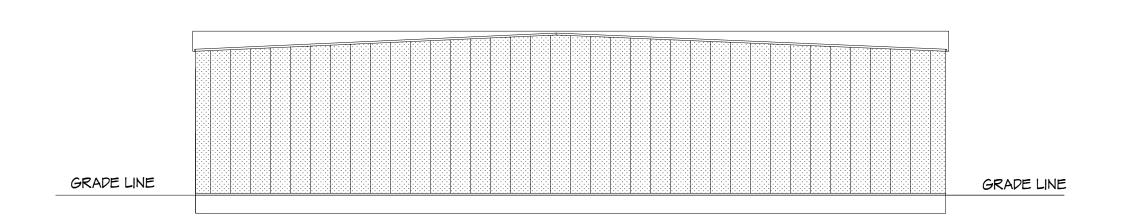
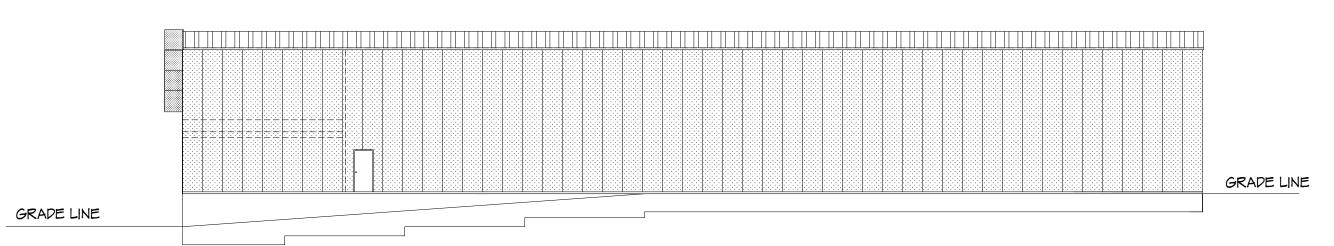
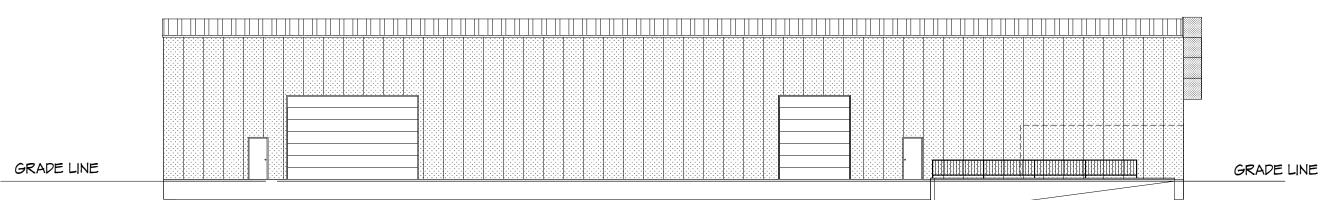


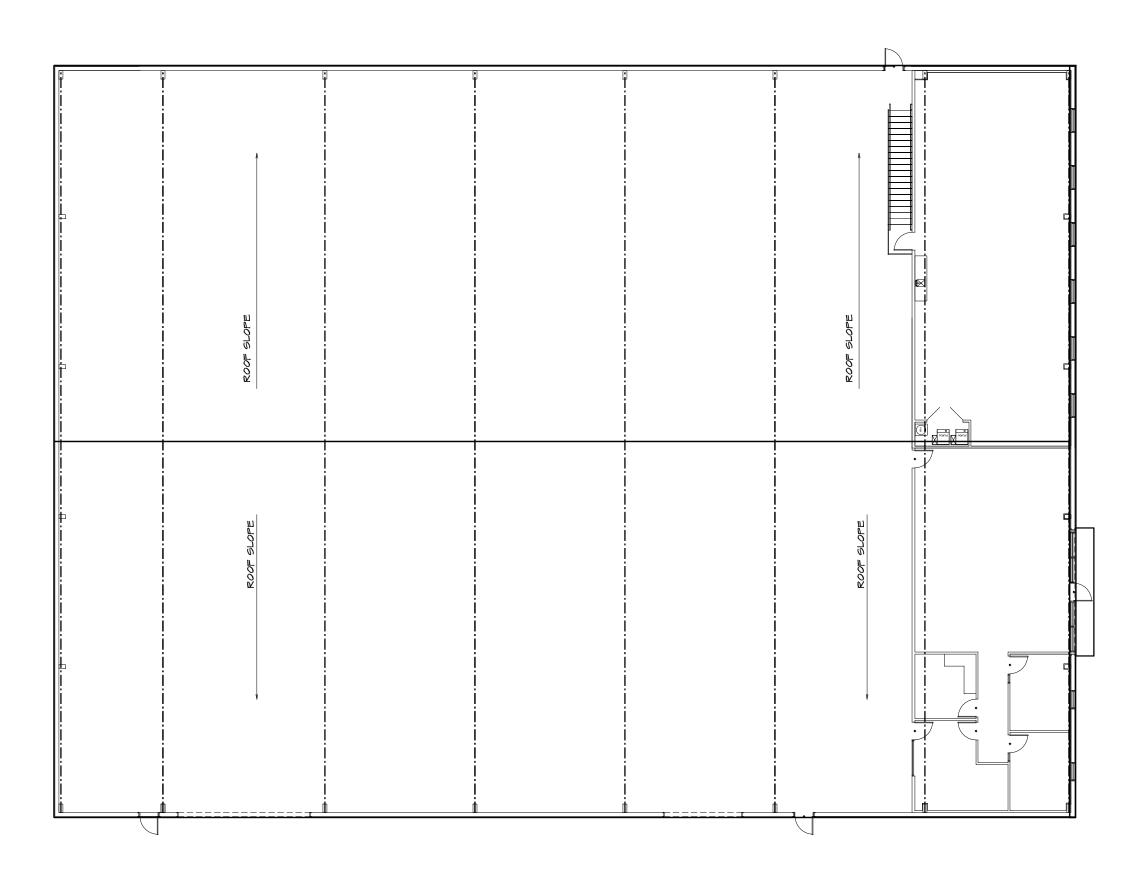
FRONT ELEVATION 1/8" = 1'0"





1/16" = 1'0"





ROOF ELEVATION

1/16" = 1'0"

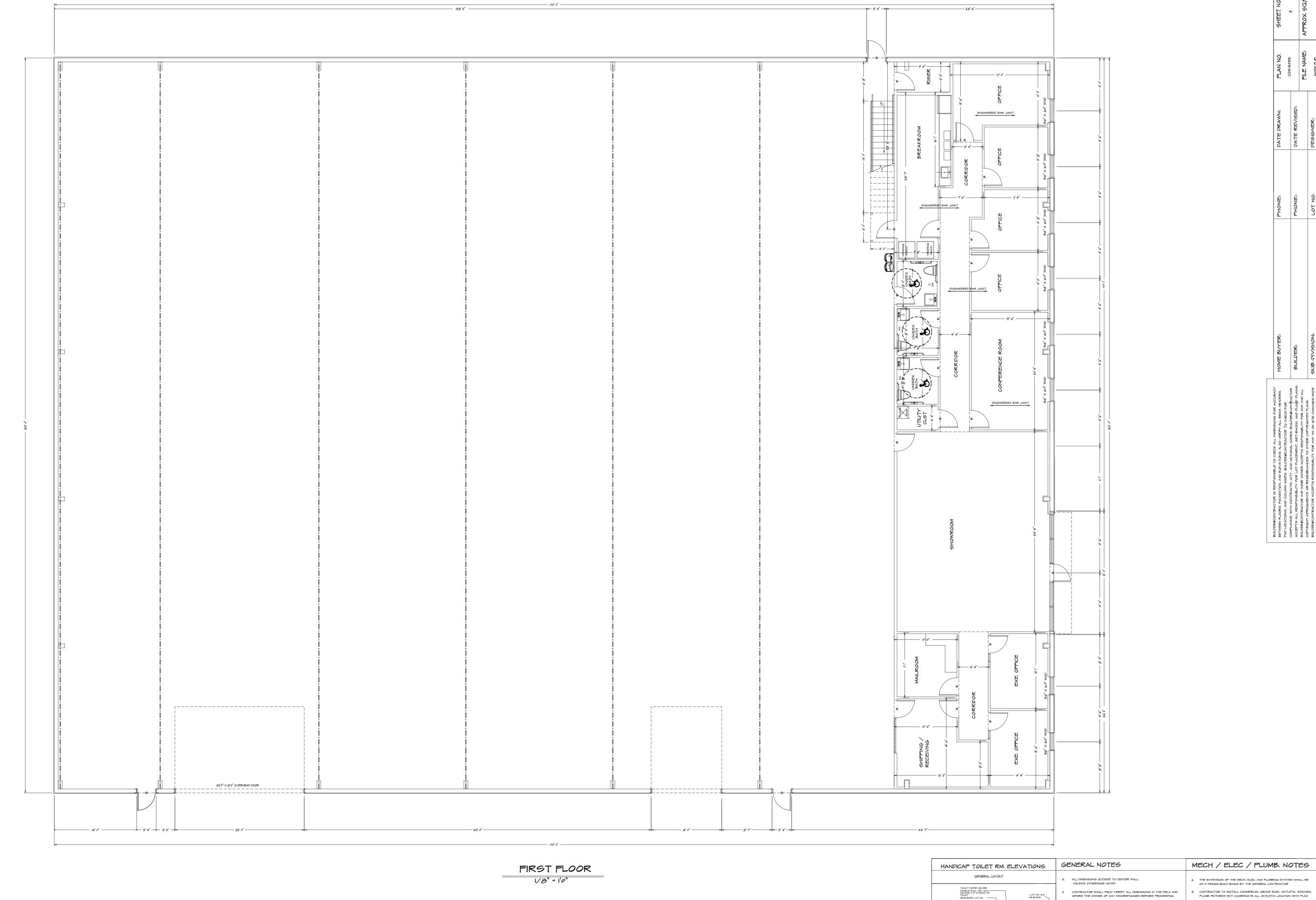
CODE NOTES

	ALL CONSTRUCTION FOR THIS PROJECT SHALL COMFORM TO THE REQUIREMENTS OF THE FOLLOWING CODES ALL AS AMENDED BY THE CITY OF LEE! SUMMIT	1.	ALL DIMENSIONS INSIDE TO INSIDE WALL, UNLESS OTHERWISE NOTED
	2019 INTERNATIONAL BUILDING CODE 2019 INTERNATIONAL MECHANICAL CODE 2019 INTERNATIONAL FLUMBING CODE	2	CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS IN THE FEILD AND INFORM THE OWNER OF ANY DISCREPANCIES BEFORE PROCEEDING
	2019 INTERNATIONAL FUEL GAS CODE 2019 INTERNATIONAL FIRE CODE & LIFE SAFTY CODE 2017 NATIONAL ELECTRIC CODE	3.	PROVIDE 2X BLOCKING IN ALL WALLS AS REQUIRED FOR SUPPORT
~111111111	ICC/ANSI AII7.I-2009, ACCESSIBLE & USABLE BUILDING AND FACILITIES UNIFIED DEVELOPMENT ORDINANCE	4.	CONTRACTOR TO DESIGN, COORDINATE, INSTALL, ETC. ALL CASEWORK/MILLWORK WITH OWNER
OF MISSELL	SHALL BE IN COMPLIANCE WITH THE AMERICANS WITH DISABLITIES ACT TENANT USE: OCCUPANCY CLASSIFICATION (PRIMARY) GROUP S-I	5.	COORDINATE ALL FINAL OUTLET, WALL AND DOOR LOCATION W/ OWNER BEFORE CONSTRUCTION
AARON DELAND	(SECONDARY) GROUP B TYPE OF CONSTRUCTION (IBC 602): TYPE V-B	6.	COORDINATE ALL FINISHES WITH OWNER
WAY AND DELAMEN / A	AUTOMATIC SPRINKLER SYSTEM : N/A	7.	PROVIDE FIRE EXINGUISHERS AS REQUIRED BY FIRE MARSHAL
OBER MILLER X	TENANT AREA = OFFICE: FIRST FLOOR = 3224 SECOND FLOOR = 1668	8.	FIELD VERIFY ALL DIMENSIONS AND SITE CONDITIONS
1 (1) · 6 · 2 · 1	STORAGE: WAREHOUSE = 17682 OCCUPANT LOAD (TABLE 1004.1.2):	9.	CONTRACTOR TO COORDINATE W/ OWNER ON ALL ITEMS SUPPLIED AND APPECTING THE CONTRACTORS WORK
NUMBER PE OMBO19580	OFFICE: 9224/00 - 32 WAREHOUSE: 17692/900 - 36 PLUMBING REQUIREMENTO (TABLE 2002.1):	10.	NEW WALL CONSTRUCTION SHALL BE 24-GAUGE STUPS, TRACK AND BLOCKING, STUPS SET 24" OC MIN. W/ I/2 GYPSUM BOARD
The second	USE GROUP B WATER CLOSETS: * (UNISEX) PER SO =		WALL STUPS SHALL BE PESIGNEP IN ACCORPANCE WITH EITHER AISI SZII OR AISI SI00
WIND TO NALE OF THE PARTY OF TH	SERVICE SINK - USE GROUP S- WATER CLOSETS: = (UNISEX) PER 100 = SERVICE SINK -	. "	WALL COVERING IN PROPOSED BATHROOM TO HAVE TILE OR OTHER NONABSORBENT SURPACE, TO A HEIGHT NOT LESS THEN 40° O.F.F.
	DRINKING FOUNTIAN - PER 1000 =		

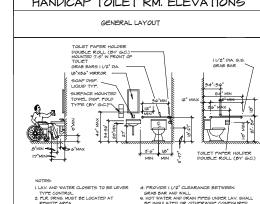
LOCATION PLAN / KEY PLAN

GENERAL NOTES



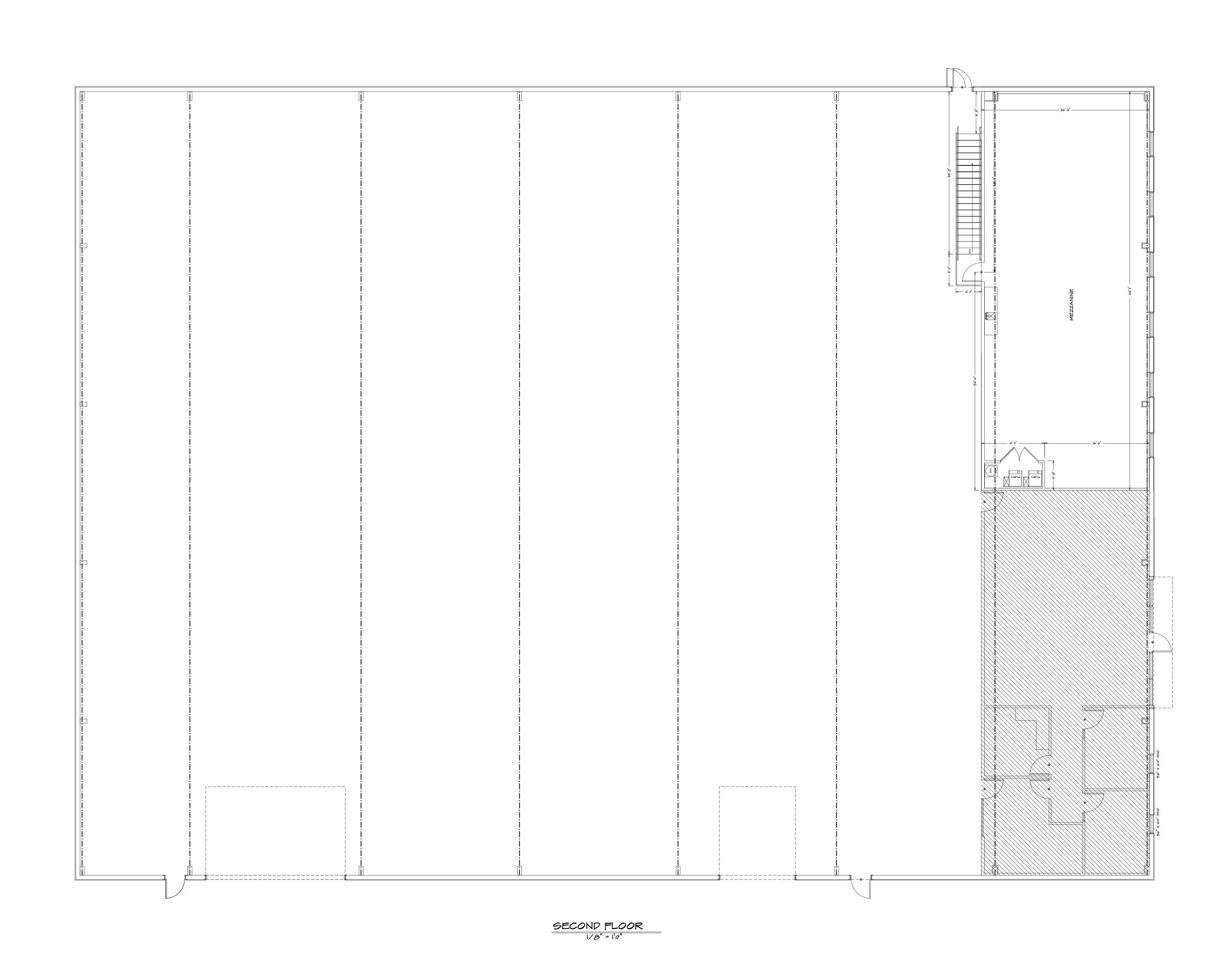


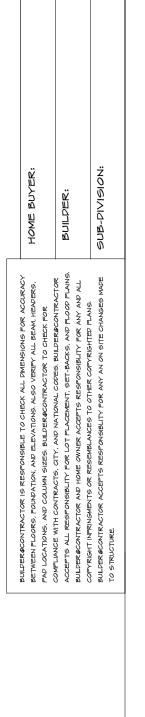




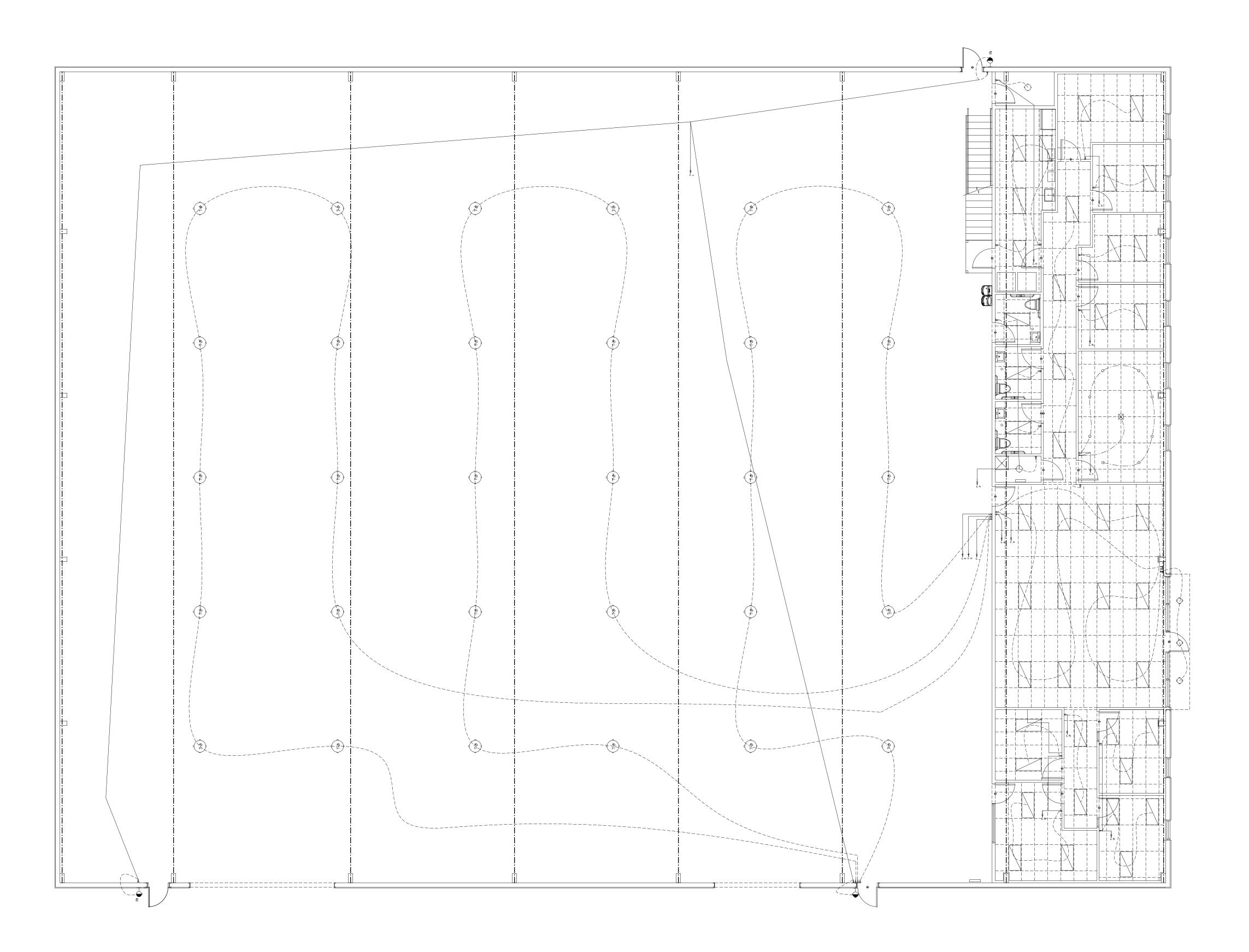
- PROVIDE BLOCKING IN ALL WALLS AS REQUIRED FOR SUPPORT
- CONTRACTOR TO PESIGN, COORDINATE, INSTALL, ETC. ALL CASEWORK/MILLWORK WITH OWNER
- COORDINATE ALL FINAL OUTLET, WALL AND DOOR LOCATION W/OWNER BEFORE CONSTRUCTION

- PROVIDE FIRE EXINGUISHERS AS REQUIRED BY FIRE MARSHAL FIELD VERIFY ALL DIMENSIONS AND SITE CONDITIONS
- CONTRACTOR TO COORDINATE W/ OWNER ON ALL ITEMS SUPPLIED AND APPECTING THE CONTRACTORS WORK INTERIOR WALL CONSTRUCTION SHALL BE 24 GAUGE STUPS, TRACK AND BLOCKING, STUPS SET 24" OC MIN. W/ I/2 GYPSUM BOARD WALL STUPS SHALL BE DESIGNED IN ACCORDANCE WITH EITHER AISI SZII OR AISI SI40
- WALL COVERING IN PROPOSED BATHROOM TO HAVE TILE OR OTHER NONABSORBENT SURFACE, TO A HEIGHT NOT LESS THEN 40° OFF.
- 3. HVAC AND DUCT TO BE DESIGNED BY OTHERS
- 4. ALL ELECTRICAL WORK SHALL COMPLY WITH 2018 NEC
- g. ALL WIRING SHALL BE IN EMT CONDUIT OR MC CABLE, MINIMUM WIRE SIZE SHALL BE #12 AWG. MINIMUM CONDUIT SIZE SHALL BE $1/2^{\circ}$
- ELECTRICAL PANEL IS 400 AMP-3P W/ 4-#3/0 CU THWN , #6GRD IN 2 I/2" EMT CONDUIT, VOLTAGE 208/120
- PROVIDE EXIT SIGNS AND EMERGENCY LIGHTS TO BE IN ACCORDANCE WITH ALL COPES AND REGULATIONS

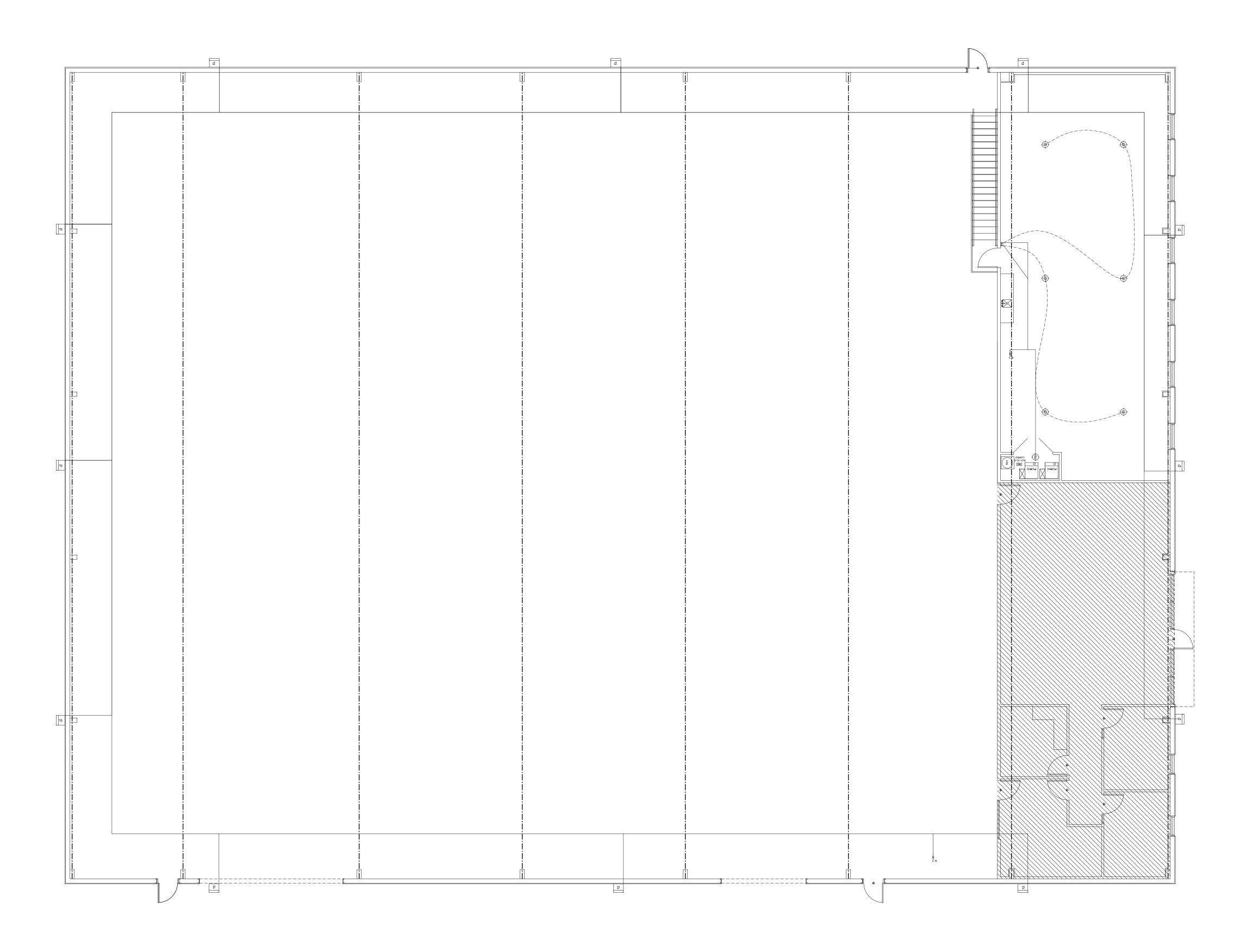








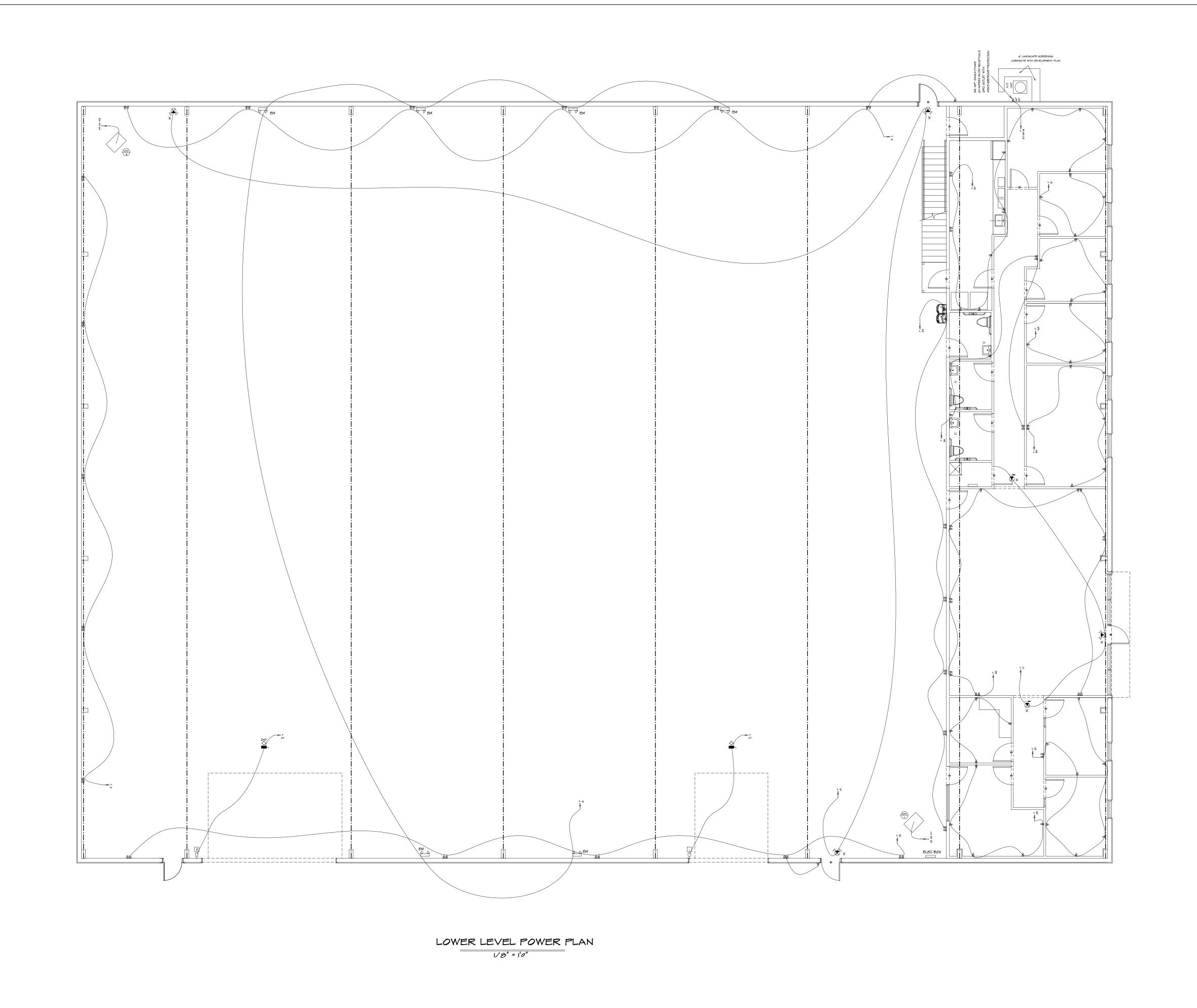




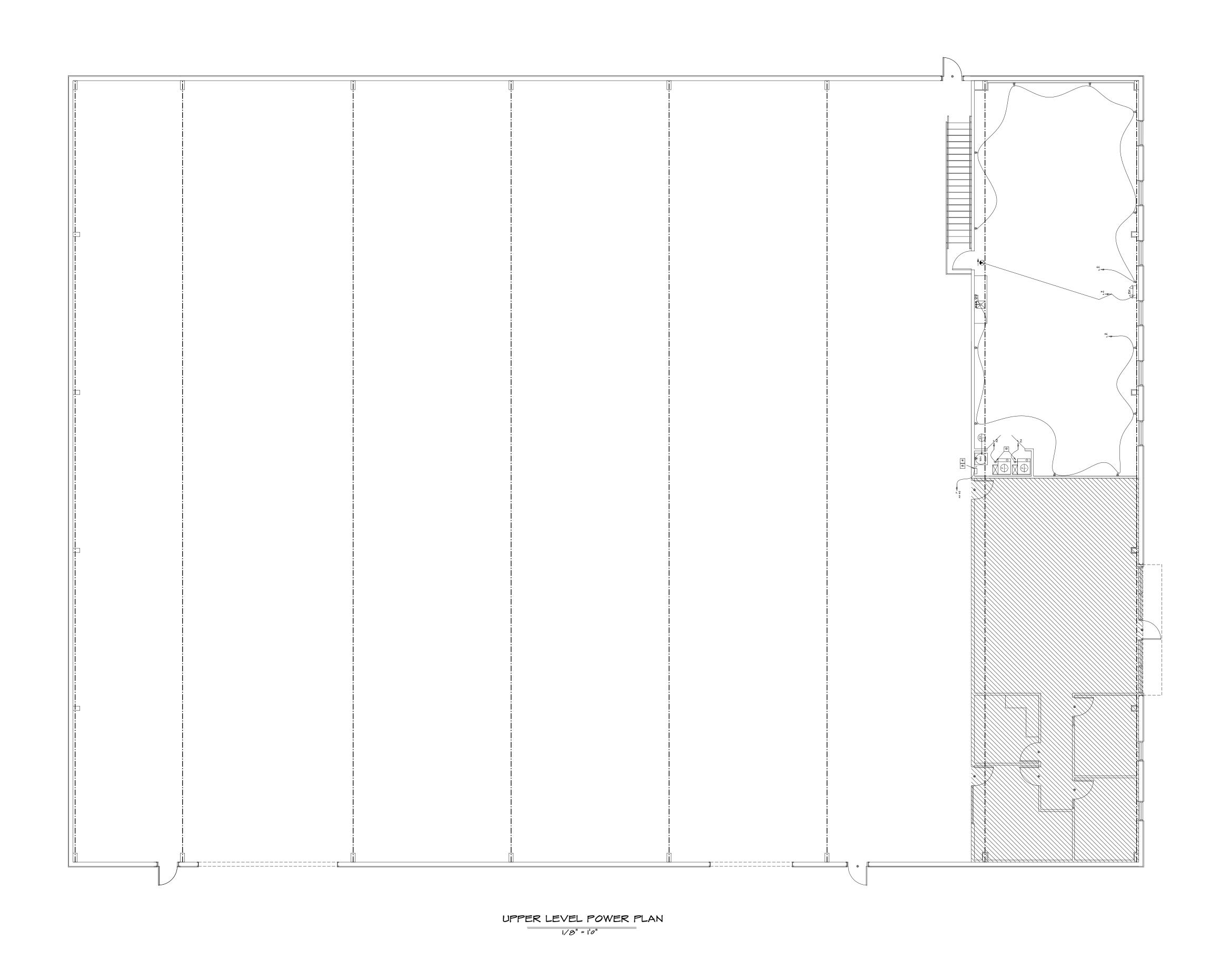




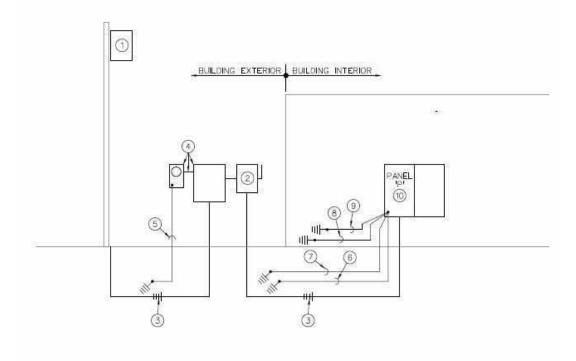
HOME BUYER:
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ELECTRICAL RISER DIAGRAM

RISER DIAGRAM NOTES

I. UTILITY COMPANY POLE MOUNTED TRANSFORMER WITH 208Y/120V, 3-PHASE 4-WIRE SECONDARY, VERIFY AFC AT TRANDFORMER SECONDARY WITH UTILITY COMPANY.

2. 400A/3P, NON-FUSED, NEMA 3R DISCONNECT SWITCH.

3. (2) 2" PVC CONDUITS WITH 4-#3/0 (CU) IN EACH. INSTALL CONDUITS WITH TOP MINIMUM 3'-6" BELOW FINSHED GRADE.

4 UTILITY COMPANY C.T. CABINET AND METER CAN/SOCKET, I-1/4" CONDUIT FOR METERING CABLES.

5. #6 (CU) GROUND WIRE. CONNECT TO 1/2" ROUND X 8^{1} -0" LONG COPPER CLAD STEEL DRIVEN GROUND ROD.

6. 1/2" C, 1-#1/0 (CU) GROUND WIRE, CONNECT TO 3/4" ROUND X 101-0" LONG COPPER CLAD STEEL DRIVEN GROUND ROD.

7. 1/2" C, 1-#1/0 (CU) GROUND WIRE, CONNECT TO $20^{1}-0$ " LONG CONDUCTOR IN CONCRETE BUILDING FOOTING.

8. I/2" C, I-#I/0 (CU) GROUNG WIRE. CONNECT TO COLD WATER SERVICE PIPE, AHEAD OF MAIN SHUT-OFF VALVE.

9. I/2" C, I-#I/0 (CU) GROUNG WIRE. CONNECT TO BUILDING STEEL.

10. PANEL 'P' SHALL HAVE SERVICE ENTRANCE LABEL.

ELECTRICAL GENERAL NOTES

I. INSTALLATION SHALL COMPLY WITH LATEST EDITION OF N.E.C. AND LOCAL AUTHORITY HAVING JURISDICTION

2. CONTRACTOR SHALL BE LICENSED TO PREFORM WORK IN MUNICIPALITY WHERE PROJECT IS LOCATED.

3. ALL WIRING SHALL BE INSTALLED IN CONDUIT, EMT CONDUIT WITH SET SCREW FITTINGS MAY BE UTILIZED WHERE PERMITTED BY CODE, MINIMUM CONDUIT SIZE SHALL BE 1/2". IN WOOD FRAMING CONVENTIONAL NM ROMEX WIRE SHALL BE USED

4. ALL WIRING SHALL BE COPPER WITH 600 VOLT INSULATION AND COLOR CODED.

5. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMIT AND INSPECTION FEES.

6. INSTALL BLANK COVER PLATE ON ALL PULL BOXES AND JUNCTION BOXES.

7. TYPEWRIIEN PANELBOARD DIRECTORY SHALL BE PROVIDED FOR PANELBOARD AND CORRECTLY FILLED OUT.

8. ALL WIRING DEVICES SHALL BE RATED 20 AMP, OR AS NOTED.

9. ALL NEW BRANCH CIRCUIT CONDUITS SHALL BE INSTALLED CONCEALED ABOVE LAY-IN CEILING OR IN WALLS.

10. CONTRACTOR SHALL FIELD VERIFY EXACT ROUTING OF ALL CONDUITS TO NEW

II. DISCONNECT SWITCHES SHALL BE HEAVY DUTY TYPE, NEMA I FOR INDOOR AND NEMA 3R FOR OUTDOOR INSTALLATIONS, MANUFACTURED BY SQUARE D, ITE/SIEMENS, GE, CUTLER-HAMMER, OR EQUAL.

12. FURNISH MATERIALS AND LABOR FOR A COMPLETE AND OPERATIONAL ELECTRICAL INSTALLATION.

13. MATERIAL AND EQUIPMENT SHALL BE NEW AND SHALL BEAR THE 'UL' LABELS AS REQUIRED.

14 EMERGENCY AND EXIT LIGHT FIXTURES SHALL BE PROVIDED WITH BATTERY BACK-UP FOR MINIMUM OF (90) MINTES. EMERGENCY AND EXIT LIGHT FIXTURES SHALL BE CONNECTED TO HOT LEG OF CIRCUIT, NOT SWITCHED.

15. E.C. SHALL VERIFY RATINGS, LOCATIONS, AND CONNECTIONS OF ALL EQUIPMENT PROVIDED BY OTHERS AND INSTALLED AND/OR CONNECTED BY THE

ELECTRICAL CONTRACTOR.

16. NEW PANELBOARDS SHALL BE ITE/SIEMENS TYPE 'P2' OR EQUAL, WITH BOLT-ON CIRCUIT BREAKERS, ALUMINUM BUS. NEMA I ENCLOSURE, GROUND, AND NEUTRAL BUS. AIC RATING TO MATCH EXISTING SYSTEM, EQUALS BY SQUARE 'D'. G.E., CUTLER-HAMMER OR EQUAL.

17. NEW CIRCUIT BREAKERS INSTALLED IN EXISTING PANELBOARD SHALL MATE/MATCH PANEL CONSTRUCTION AND AIC RATING.

FI FCTRICAL GYMBOLG

	CIRICAL SYMBOLS
	BRANCH CIRCUIT CONCEALED IN CEILING OR WALL, ARROWS INDICATE HOMERUNS TO PANEL. ALL CONDUCTORS ARE #12 EXCEPT AS NOTED.
— 	CONDUIT RUN UNDERGROUND OR BENEATH FLOOR SLAB
	GROUNDING CONDUCTOR #12 EXCEPT AS NOTED
HJ	WALL MOUNTED JUNCTION BOX
<u> </u>	CEILING MOUNTED JUNCTION BOX
	PANELBOARD (SURFACE MOUNTED). INSTALLED W/TOP 6'0" AFF
	DISCONNECT SWITCH. SIZE AS NOTED
■-	DISCONNECT SWITCH FURNISHED WITH EQUIPMENT
⊗ OR ⊗↓	EXIT LIGHT - SINGLE FACE - ARROW AS SHOWN
$\downarrow oldsymbol{\Theta} \downarrow$	EXIT LIGHT - DOULBE FACEARROW AS SHOWN
4	COMBINATION EXIT/EMERGENCY LIGHT FIXTURE WITH (2) HEADS
	CEILING OR WALL MOUNTED EMERGENCY LIGHTING UNIT WITH (2) HEADS.
	2'X4' LIGHT FIXTURE
	NIGHT LIGHT FIXTURE, FIXTURE SHALL BE ON 27/7
	FLUORESCENT STRIP FIXTURE
\bigcirc	CEILING LIGHT FIXTURE
$\vdash \Diamond$	WALL MOUNTED LIGHT FIXTURE
$\vdash \hat{\mathbf{D}}$	REMOTE WEATHERPROOF EMERGENCY LIGHT FIXTURE
	WALL PACK LIGHT, 100W COMERCIAL LED, WALL PACK 120-277V 50,000 - HR. LIFE 1P65 COMPLY WITH SECT. 7.260 OF THE UDO
(T-8)	T-8 HIGH BAY LIGHT FIXTURE
\$	SINGLE POLE SWITCH. +3'-10" AFF
\$3	THREE-WAY SWITCH. +3'-10" AFF
\$4	FOUR-WAY SWITCH. +3'-10" AFF
\$ ⁰⁵	OCCUPANCY SENSOR. +3'-10" AFF

DIMMER SWITCH +3'10" AFF. SIZE AS NOTED

OCCUPANCY SENSOR.

OCCUPANCY SENSOR POWER PACK

DUPLEX RECEPTACLE. +1'-6" AFF OR AS NOTED

DUPLEX RECEPTACLE INSTALLED ABOVE COUNTERTOP DUPLEX RECEPTACLE WITH WEATHERPROOF PLATE. HEIGHT AS NOTED

DUPLEX RECEPTACLE W/GROUND FAULT PROTECTION . +1'-6" AFF OR

FOURPLEX RECEPTACLE. +1'-6" AFF OR AS NOTED

WH - I ELECTRIC WATER HEATER AND NUMBER

EXHAUST FAN AND NUMBER EF - 1 CONDENSING UNIT AND NUMBER CU - 1

F - I FURNACE AND NUMBER

FAN COIL UNIT AND NUMBER FC - 1

HEAT PUMP UNIT AND NUMBER HP - 1 ABOVE FINISHED FLOOR

ELECTRICAL CONTRACTOR

NIGHT LIGHT FIXTURE SHALL BE ON 24/7

ELECTRIC DRINKING FOUNTAIN

ELECTRICAL PLAN NOTES

- I. 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 CONTROLE.
- 3. 30A, 250V, 2-POLE, 3-WIRE DISCONNECTING MEANS
- 4. 3/4" CONDUIT, 2-#10 AND 1-#10 GROUND WIRE
- 5. 20A, 120V, I-POLE DISCONNECTING MEANS

PANEL P	PANEL P 120/208 VOLTS D 400 A. BUS D SERVICE ENTRANCE									
		_3	PHASE		<u>100</u> A.	MAIN BR	EAKEF	R 🗆 F	EED TRU LUGS	
SECTION 1 OF	1	4	WIRE	□ MAIN LUGS ONLY □ SUB FEED LUGS						
DESCRIPTION	Wire	41400		Circ	Circ		AMPS	Wire	DESCRIPTION	
DESCRIPTION	Size	AMPS	Watts	#	#	Watts	AMPS	Size	DESCRIPTION	
LIGHTS (BAY)	12	20	1500	1	2	1500	20	12	LIGHTS (BAY)	
LIGHTS (BAY)	12	20	1500	3	4	1500	20	12	LIGHTS (BAY)	
LIGHTS	12	20	1500	5	6	1500	20	12	LIGHTS	
LIGHTS	12	20	1500	7	8	1500	20	12	LIGHTS	
LIGHTS	12	20	1500	9	10	1500	20	12	LIGHTS	
EXTERIOR LIGHTS	12	20	1500	11	12	1500	20	12	LIGHTS	
LIGHTS	12	20	1920	13	14	1300	20	12	RECEPTACLES (BAY)	
LIGHTS	12	20	1920	15	16	1300	20	12	RECEPTACLES (BAY)	
EM/EXIT LIGHTS	12	20	1920	17	18	1300	20	12	RECEPTACLES (BAY)	
EM/EXIT LIGHTS	12	20	1920	19	20	1300	20	12	RECEPTACLES	
EMERGENCY LIGHTS	12	20	1920	21	22	1300	20	12	RECEPTACLES	
RECEPTACLES	12	20	1920	23	24	1300	20	12	RECEPTACLES	
RECEPTACLES	12	20	1920	25	26	1300	20	12	RECEPTACLES	
OHD OPERATOR	12	20	1920	27	28	1300	20	12	RECEPTACLES	
OHD OPERATOR	12	20	1920	29	30	1300	20	12	RECEPTACLES	
RECEPTACLES	12	20	1920	31	32	1300	20	12	RECEPTACLES	
RECEPTACLES	12	20	1920	33	34	1300	20	12	EM/EXIT LIGHTS	
OPEN				35	36	1920	20	12	F - 1	
		30	2500	37	38	1920	20	12	F - 2	
CU-1	10		2500	39	40	4500	30			
		3	2500	41	42	4500	2	8	WATER HEATER	
		35	3300	43	44	3300	35			
UH-1	8		3300	45	46	3300		8	UH-2	
		3 \	3300	47	48	3300	3 \			

TYPE	MANUFACTURER	LAMP	WATTS/VOLTS	DISCRIPTION
D	BY OWNER	LEP	ТВР	EXTERIOR WALL PACK
Ш	BY OWNER	LEP	ТВР	EXTERIOR RATED ARCHITECTURAL FIXTURE
EM	BY OWNER	LEP	ТВР	EMERGENCY LIGHTING UNIT, 90 MIN. BATTERY
X	BY OWNER	LEP	ТВР	EXIT SIGN, UNIVERSAL MOUNT, 90 MIN. BATTERY

INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2012 INTERNATIONAL MECHANICAL, PLUMBING AND FUEL GAS CODES, NFPA 90A AND 101 AND ALL STATE AND LOCAL CODES, ORDINANCES AND REGULATIONS.

DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO INDICATE THE GENERAL DESIGN CONCEPT. THEY DO NOT NECESSARILY INDICATE EACH AND EVERY FITTING OR FEATURE. THE CONTRACTOR SHALL PROVIDE ALL ITEMS NECESSARY FOR AN INSTALLATION THAT IS COMPLETE IN EVERY RESPECT. REFER TO STRUCTURAL DRAWINGS FOR SPECIFIC REQUIREMENTS CONCERNING MECHANICAL EQUIPMENT AND SUPPLEMENTAL STEEL.

INSTALL ALL MECHANICAL EQUIPMENT LEVEL, ON PAD, THAT EXTEND A MINIMUM OF 4" BEYOND THE EQUIPMENT FOOTPRINT COOLING EQUIPMENT LOCATED WHERE DAMAGE FROM OVERFLOW COULD OCCUR AND ELSEWHERE AS INDICATED, SHALL BE MOUNTED IN SECONDARY CONTAINMENT PANS WITH HIGH WATER ALARM SENSOR TO SHUT DOWN THE EQUIPMENT. THE DRAIN PAN SHALL BE PIPED TO FLOOR DRAIN, TO EXTERIOR OR ELSEWHERE AS

COORDINATE EXACT LOCATIONS AND ORIENTATION OF EQUIPMENT WITH ARCHITECTURAL AND STRUCTURAL REQUIREMENTS. EQUIPMENT SHALL BE SCREENED IN ACCORDANCE WITH LOCAL JURISDICTION REQUIREMENTS AND AS

DUCTWORK FABRICATION AND INSTALLATION SHALL BE IN ACCORDANCE WITH SMACNA STANDARDS.

ALL DUCTWORK SHALL BE SHEET METAL, CONSTRUCTED TO SMACNA STANDARDS, MINIMUM OF 2" WG PRESSURE CLASS AND SEAL CLASS 'C' MINIMUM. ALL LONGITUDINAL AND TRANSVERSE JOINTS TO BE SEALED, EXCEPT AS OTHERWISE NOTED. ROUND AND FLEX DUCT CONNECTIONS SHALL BE MADE WITH SPIN COLLARS WITH EXTRACTORS AND VOLUME DAMPERS.

DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS. CONTRACTOR SHALL INCLUDE AN ALLOWANCE FOR 1" DUCT LINER IN LOW VELOCITY DUCTS WHERE APPLICABLE.

SUPPORT ALL SUSPENDED EQUIPMENT, DUCTWORK AND PIPING INDEPENDANTLY, DIRECTLY FROM STRUCTURAL MEMBERS, NOT METAL DECK. PROVIDE FLEXIBLE FABRIC CONNECTORS AT ALL DUCTWORK CONNECTIONS TO ROTATING EQUIPMENT. CONNECTORS EXPOSED TO SUNLIGHT SHALL BE MADE OF UV RESISTANT MATERIAL.

ROUND OR OVAL EXPOSED DUCT SHALL BE SPIRAL DUCT, PAINT GRADE IF TO ALL ROOF MOUNTING, FLASHINGS AND PENETRATION WORK ASSOCIATED WITH MECHANICAL AND PLUMBING WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE ROOFING MANUFACTURER'S WARRANTY REQUIREMENTS.

IN GENERAL, KEEP DUCTWORK AND PIPING HIGH AS POSSIBLE. IN NO EVENT SHALL HORIZONTAL WORK BE INSTALLED SO THAT HEADROOM IS LESS THAN 7'-6" ABOVE FINISH FLOOR WITHOUT PRIOR APPROVAL.

ALL MECHANICAL AND PLUMBING EQUIPMENT SHALL BE INSTALLED TO PROVIDE MANUFACTURER'S RECOMMENDED OPERATING AND SERVICE CLEARANCES FOR ALL EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS AND DIFFERING CLEARANCE REQUIREMENTS OF ACTUAL EQUIPMENT FURNISHED.

ALL FIXTURES AND EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS AND PER LISTINGS.

IN GENERAL AND EXCEPT AS OTHERWISE NOTED, DUCTWORK AND PIPING SHALL BE INSTALLED PARALLEL TO COLUMN AND BUILDING WALL LINES. THEY SHALL BE CONCEALED ABOVE CEILINGS, IN CHASES OR WALL CONSTRUCTION OR BELOW

SUPPORT ALL PIPING SYSTEMS IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS AND INDUSTRY STANDARDS TO PREVENT SAGS AND DIPS.
PROVIDE STRUTS AND AND PIPE CLAMPS ON 8' CENTERS AND SUPPORT ALL PIPING RISERS AT BASE OF RISER. THE USE OG RISER CLAMPS TO SUPPORT VERTICAL PIPING IS PROHIBITED. ALL WATER BEARING PIPING SHALL BE SLOPED FOR DRAINAGE WITH BALL DRAIN

SUPPORT ALL SUSPENDED EQUIPMENT, DUCTWORK AND PIPING INDEPENDANTLY, DPROVIDE ACCESS PANELS TO PROVIDE ACCESS TO INACCESSIBLE VALVES, DAMPERS ANY ANY OTHER EQUIPMENT/DEVICES THAT REQUIRE ADJUSTMENT OR

DRAINAGE PIPING SHALL BE SLOPED IN ACCORDANCE WITH CODE, BUT NOT LESS THAN 1/8" PER FOOT FOR 3" AND LARGER PIPING AND 1/4" PER FOOT FOR 2-1/2" AND SMALLER PIPING. ALL INVERT ELEVATIONS SHALL BE COORDINATED

COORDINATE ALL UNDERGROUND PIPING WITH GRADE BEAMS, WALL FOOTINGS, COLUMN FOUNDATIONS AND OTHER STRUCTURAL CONDITIONS. PROVIDE DIELECTRIC UNIONS AT ALL CONNECTIONS BETWEEN DISSIMILAR METALS. TRAP ALL CHILLED CONDENSATE DRAINS AS DETAILED OR AS REQUIRED. PROVIDE A TRAP DEPTH 1" GREATER THAT SYSTEM FAN DEVELOPED STATIC PRESSURE. INSURE AND CERTIFY THAT CONDENSATE DRAINS ARE POSITIVELY SLOPED AT 1"/20' MINIMUM IN DIRECTION OF FLOW.

CAULK AND SEAL ALL DUCT AND PIPING PENETRATIONS OF EXTERIOR OR

REFRIGERANT PIPING SHALL BE TYPE 'ACR' COPPER WITH BRAZED JOINTS OR

ALL REFRIGERANT PIPING SHALL BE SIZED AND WITH ALL ACCESSORIES AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.

REFRIGERANT SUCTION LINES TO BE INSULATED WITH 1" UNICELLULAR INSULATION, ALL JOINTS SEALED. INSULATION SHALL BE 25/50 SMOKE AND FIRE RATED. PAINT ALL EXTERIOR INSULATION WITH UV RESISTANT PAINT.

ABOVE GROUND WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC WITH SOLVENT CEMENT JOINTS, EXCEPT USE STANDARD WEIGHT NO-HUB CAST IRON IN AIR PLENUMS. VENT PIPING MAY BE SCHEDULE 40 GALVANIZED STEEL WITH SCREWED JOINTS. PAINT ALL EXTERIOR PIPING WITH UV RESISTANT PAINT.

ABOVE GROUND WATER PIPING SHALL BE TYPE 'L' HARD COPPER WITH LEAD FREE SOLDER JOINTS. NATURAL GAS PIPING (ABOVE GROUND) SHALL BE SCHEDULE 40 BLACK STEEL WITH THREADED JOINTS, CONNECT USING JOINT COMPOUND SUITABLE FOR NATURAL GAS PIPING. ALL EXPOSED BLACK STEEL NATURAL GAS PIPING SHALL

BE PROTECTED WITH A RUST INHIBITING COATING IN ACCORDANCE WITH THE SERVICE VALVES FOR WATER PIPING SYSTEMS UP THRU 2" SHALL BE 1/4 TURN,

150 LB. BALL VALVE WITH BRONZE CHROME PLATED BALL AND TFE SEATS, NIBCO S-585-70.

DOMESTIC WATER PIPING SHALL BE INSULATED WITH 1" FIBERGLASS WITH ALL SERVICE JACKET OR COMPARABLE UNICELLULAR INSULATION WITH SMOKE/FLAME RATING OF 25/50. WHEN INSTALLED WITHIN A CHASE ALONG AN EXTERIOR WALL, THE INSULATION SHALL BE 1-1/2" FIBERGLASS AND THE PIPING SHALL BE LOCATED ON THE INTERIOR SIDE OF THE BUILDING WALL INSULATION.

GAS SERVICE VALVES TO BE LUBRICATED PLUG COCKS, ROCKWELL 142 OR 143. CONNECTIONS TO EQUIPMENT SHALL HAVE SERVICE VALVES, 6" MINIMUM DIRT LEG AND UNION OR AT CONTRACTOR OPTION, UL LISTED APPLIANCE FLEXIBLE CONNECTORS MAY BE USED. PROVIDE PLUMBING FIXTURES AS SCHEDULED OR SELECTED BY OWNER WITH ALL

REQUIRED TRIM AND ACCESSORIES FOR A COMPLETE WORKING AND CODE COMPLIANT INSTALLATION. PROVIDE STOP VALVES AND WATER HAMMER ARRESTORS, SIZED AS INDICATED OR PER MANUFACTURER FOR EACH FIXTURE OR EACH GROUP OF FIXTURES. REFER TO THE ARCHITECTURAL PLANS FOR EXACT

MEET ALL REQUIREMENTS OF THE ADA FOR ALL FIXTURES REQUIRED TO BE HANDICAP ACCESSIBLE. INSULATE PIPING BENEATH HANDICAP FIXTURES PER ADA, HANDI-LAV-GARD SYSTEM OR EQUIVALENT.

ALL POWER WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. DISCONNECT SWITCHES AND MOTOR STARTERS SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR, EXCEPT WHERE SPECIFICALLY INDICATED TO BE FURNISHED BY THE MECHANICAL CONTRACTOR. COORDINATE REQUIRED POWER FOR EQUIPMENT WITH THE ELECTRICAL CONTRACTOR.

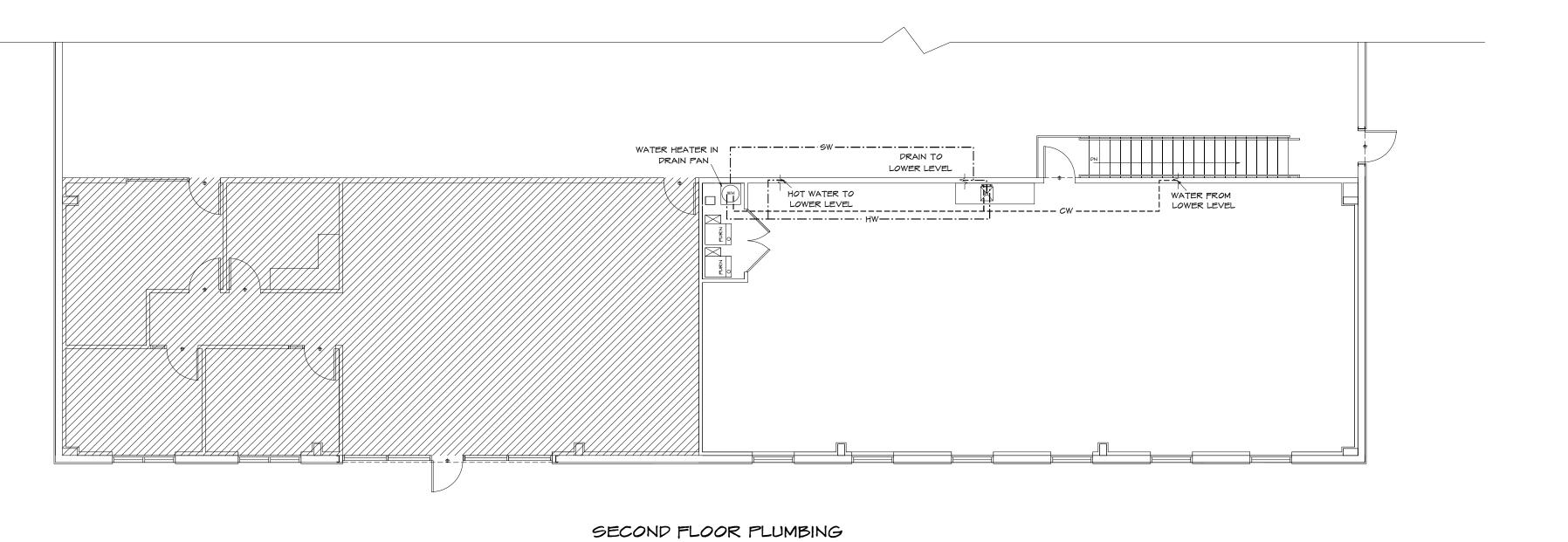
ALL CONTROL DEVICES AND INTERLOCK WIRING SHALL THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR. CONTRACTOR SHALL FURNISH LOCKING GUARDS FOR DEVICES WHERE INDICATED AND WHERE REQUIRED TO PROTECT THEM FROM PHYSICAL DAMAGE. PROVIDE INSULATED SUBBASES WHERE SENSORS ARE INSTALLED ON 'COLD' OR EXTERIOR WALLS. MOUNT CONTROL DEVICES SUCH AS THERMOSTATS AND SENSORS AT 46" AFF.

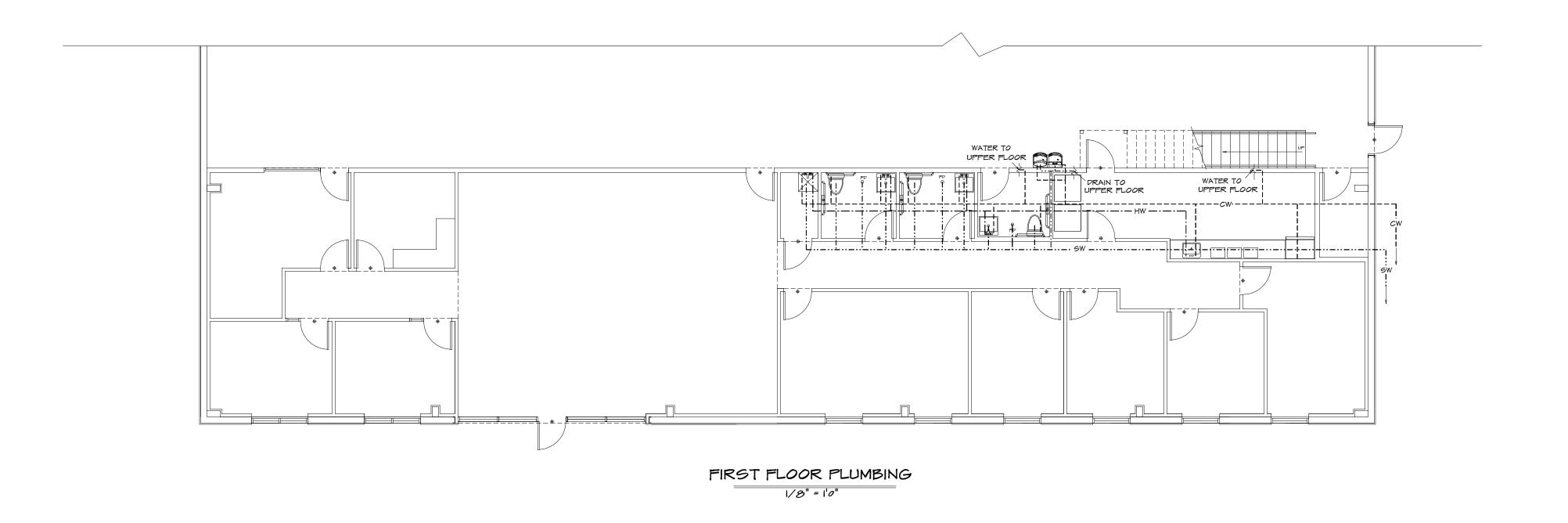
CONTRACTOR SHALL BE RESPONSIBLE FOR EQUIPMENT HANDLING AND TRANSPORT FOR ITEMS HE FURNISHES AND/OR INSTALLS. HE SHALL BE RESPONSIBLE FOR CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING, PATCHING, FLASHING AND REPAIR OF ROOFS, BUILDING STRUCTURE, COMPONENTS AND FINISHES ASSOCIATED WITH HIS WORK.

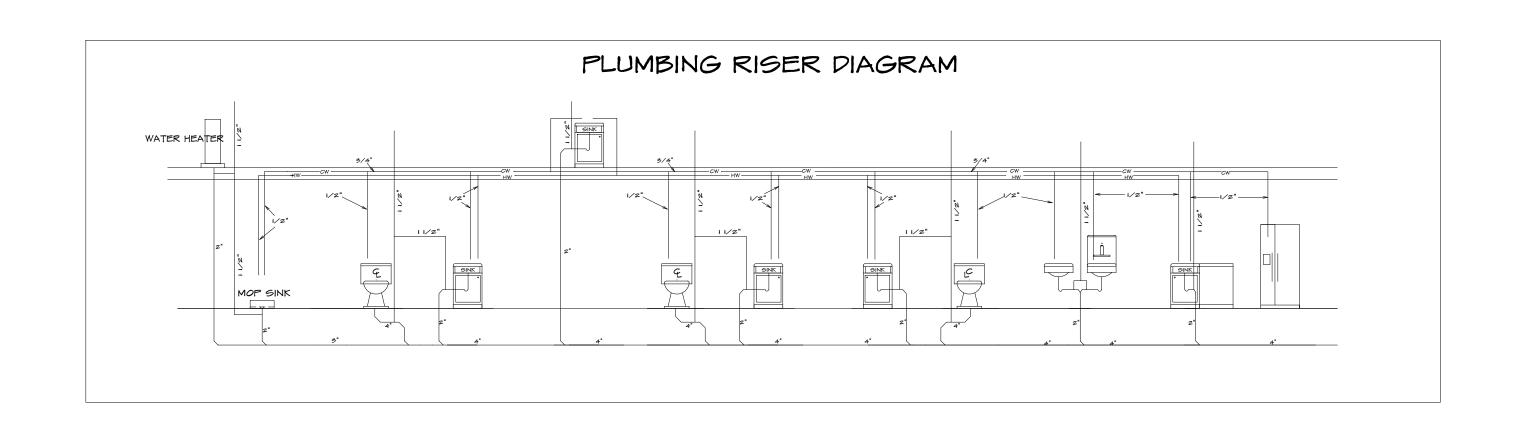
CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES ASSOCIATED WITH CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES ASSOCIATED WITH CONSTRUCTION ACTIVITY. HE SHALL RESTORE REPAIRED OR REMODELED AREAS TO EXISTING CONDITIONS AND NEW CONSTRUCTION AREAS TO NEW CONDITION. ALL REPAIRS SHALL BE IN ACCORDANCE WITH THE APPLICABLE ARCHITECTURAL AND STRUCTURAL PROVISIONS. TO THE GREATEST EXTENT POSIBLE, EXISTING BUILDING MATERIALS SHALL NOT BE DISTURBED.

TEST AND CLEAN PIPING SYSTEMS PER INDUSTRY STANDARDS. PRESSURE TEST OF PRESSURE PIPING SHALL BE AT 1-1/2 TIMES THE ANTICIPATED OPERATING PRESSURE, BUT NOT LESS THAN 50 PSIG FOR 2 HOURS. NON-PRESSURIZED SYSTEMS SHALL BE TESTED WITH 10' WATER COLUMN ABOVE NORMAL OPERATING CONDITIONS OR 5 PSI FOR 2 HOURS. THERE SHALL BE NO MEASURABLE DROP DURING THE TEST PERIOD.

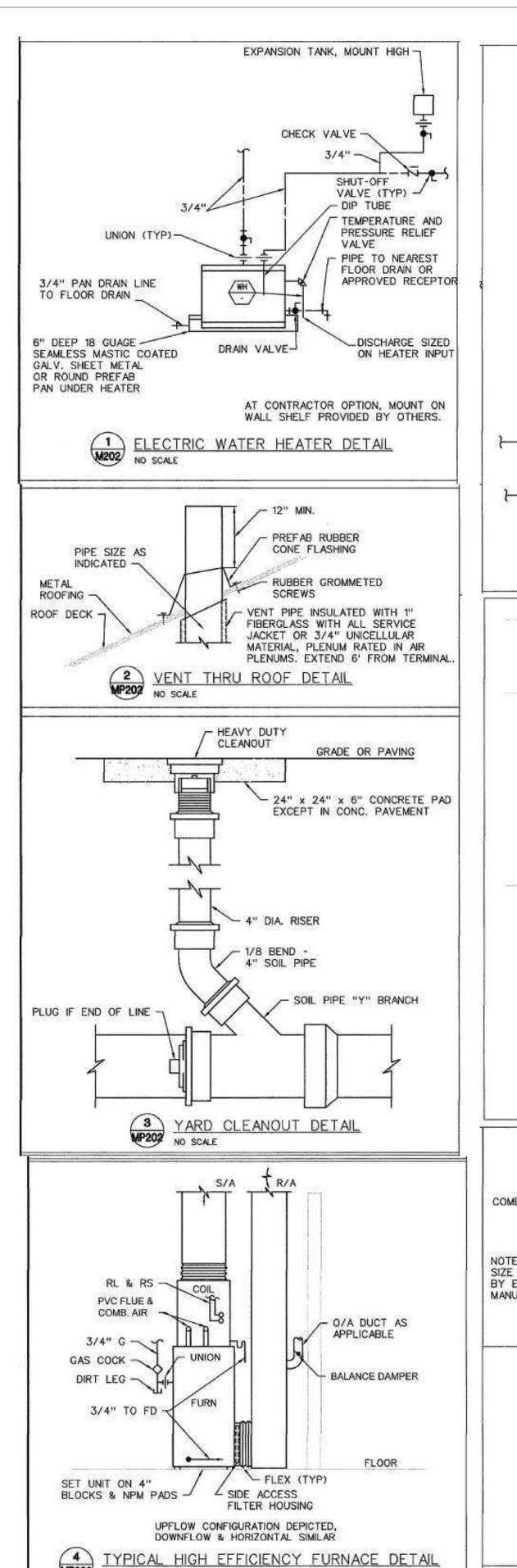






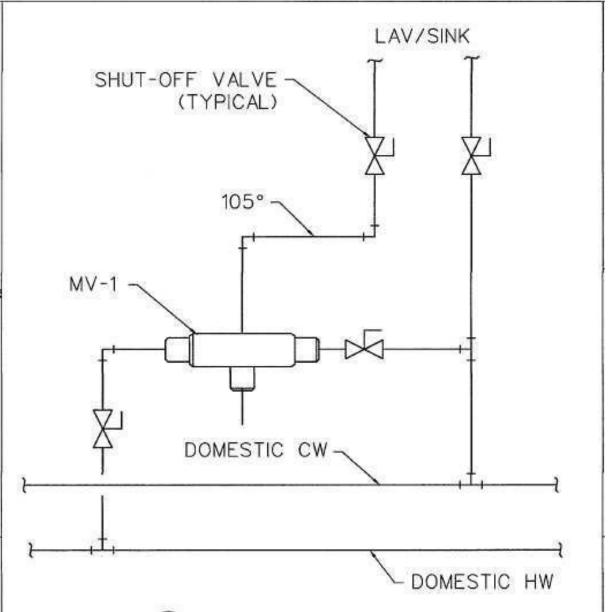


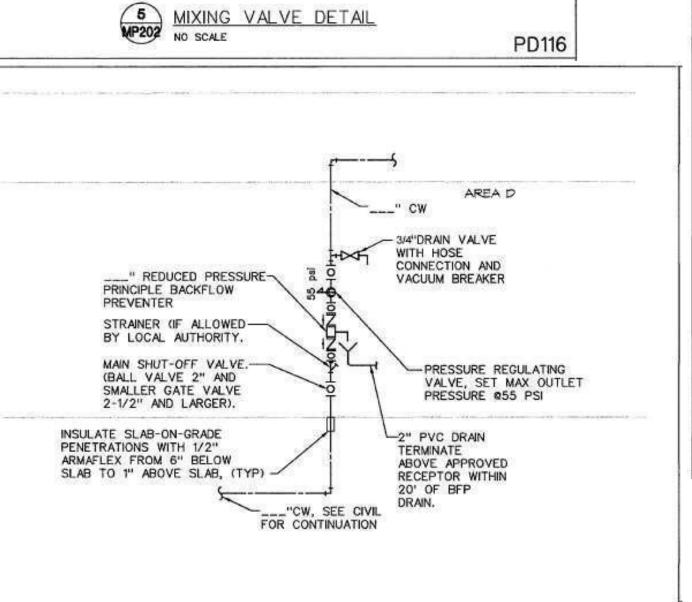


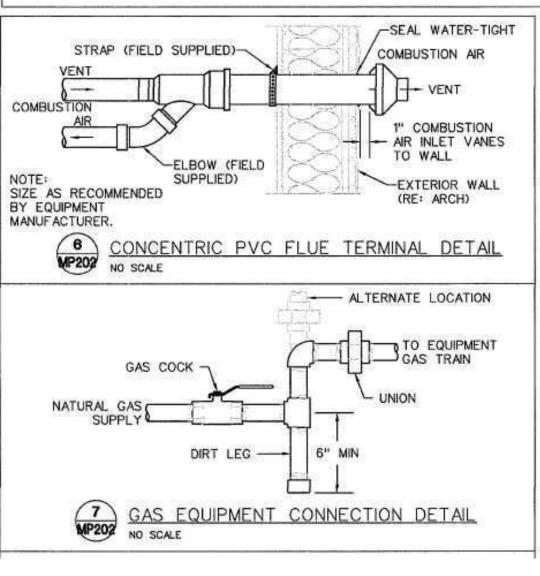


NO SCALE

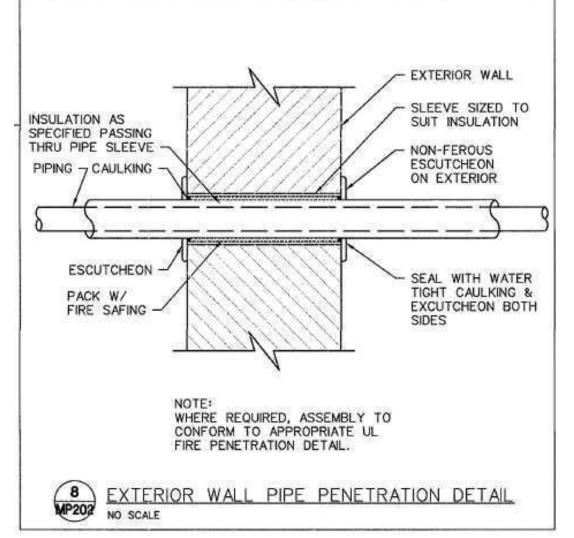
UP THRU 4 TONS

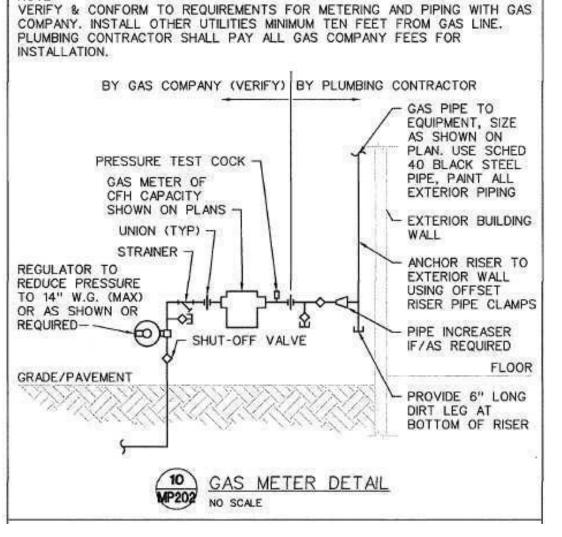






9 DOMESTIC WATER SERVICE ENTRANCE





MANUFACTURER SUPPLIED CONCENTRIC TERMINATION KIT INSTALL PER MANUFACTURERS INSTRUCTIONS. ROOF ATTACH HANGERS TO NEW PVC VENT STRUCTURAL MEMBERS VIBRATION ISOLATERS NG PIPING -DIRECTIONAL LOUVERS UNIT HEATER AIR FLOW GAS COCK -6" DIRT LEG REQUIRED NO PIPING BELOW CASING DISCHARGE CONDENSATE DRAIN TO AN APPROVED RECEPTOR GAS FIRED UNIT HEATER

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	MANUFACTURER	MODEL	TYPE	ASME	TANK	STORAGE	RECOVERY	TEMP RISE	DISCH. SET		ELECTRIC	AL.		REMARKS
MARK NO.	MANOFACTORER	NO.	LEBE	HOWE	LINING	(GALLONS)	GAL/HR	*F	POINT *F	KW	VOLT	Ø	HZ	O EWARKS
1	LOCHINVAR	KSA030KD	TANK	N	GL	28	- 1		120	4.5	208	38	60	1

TABLE 605.3

INSTALL IN DRAIN PAN. SEE DETAIL ON SHEET MP202.

MATERIAL	STANDARD
ylonitrile butadiene styrene (ABS) plastic pipe	ASTM D 1527; ASTM D 2282
ss pipe	ASTM B 43
orinated polyvinyl chloride (CPVC) plastic pipe	ASTM D 2846; ASTM F 441; ASTM F 442; CSA B137.6
orinated polyvinyl chloride/aluminum/chlorinated polyvinyl oride	ASTM F 2855
oper or copper-alloy pipe	ASTM B 42; ASTM B 302
oper or copper-alloy tubing (Type K, WK, L, WL, M or WM)	ASTM B 75; ASTM B 88; ASTM B 251; ASTM B 447
ss-linked polyethylene (PEX) plastic pipe and tubing	ASTM F 876; ASTM F 877; AWWA C904; CSA B137.5
ss-linked polyethylene/aluminum/cross-linked polyethylene X-AL- () pipe	ASTM F 1281; ASTM F 2262; CSA B137.10
ss-linked polyethylene/aluminum/high-density polyethylene X-AL-HDPE)	ASTM F 1986
tile iron water pipe	AWWA C151/A21.51, AWWA C115/A21.15
vanized steel pipe	ASTM A 53
vethylene (PE) plastic pipe	ASTM D 2239; ASTM D 3035; AWWA C901; CSA B137:11
yethylene (PE) plastic tubing	ASTM D 2737; AWWA C901; CSA B137.1
yethylene/aluminum/polethylene (PE-AL-PE) pipe	ASTM F 1282; CSA B137.9
yethylene of raised temperature (PE-RT) plastic tubing	ASTM F 2769
propylene (PP) plastic pipe or tubing	ASTM F 2389; CSA B137.11
yvinyl chloride (PVC) plastic pipe	ASTM D 1785; ASTM D 2241; ASTM D 2672; CSA B137.3
inless steel pipe (Type 304/304L)	ASTM A 312; ASTM A 778
inless steel pipe (Type 316/316L)	ASTM A 312; ASTM A 778

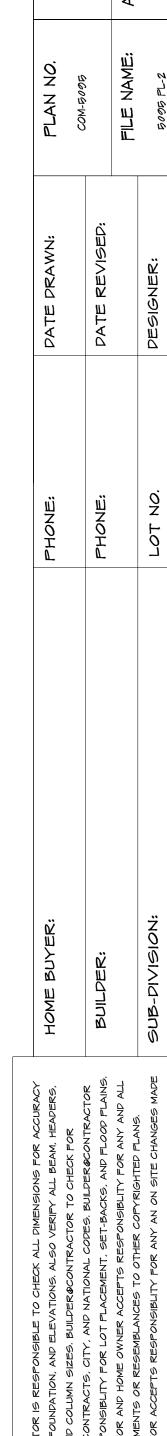
FIXTURE	WASTE	VENT	COLD	HOT
Water Closet (ft)	4"	2"	1/2"	
Water Closet (fv)	4"	2"	1"	-
Urinal	2"	1 1/2"	3/4"	92005
Lavatory	1 1/2"	1 1/2"	1/2"	1/2"
Sink	2"	1 1/2"	1/2"	1/2"
Triple Sink	2"	1 1/2"	(2) ½"	(2) 1/2
Shower, Tub	2"	1 1/2"	1/2"	1/2"
Water Fountain	1 1/2"	1 1/2"	1/2"	-
Janitor Sink (flr)	3"	2"	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"	19 717731	-
Egpt Floor Drain	3"	2"	3007557555	3
Hub Drain	2"	1 1/2"	16-11-12-11	
Dishwasher	2"	1 1/2"	Fe ctors	1/2"
Washer Box	2"	1 1/2"	1/2"	1/2"
Ice Maker	2222		1/2"	
FPWH, HB		- 1900 P	3/4"	19-200-00-00-00-00-00-00-00-00-00-00-00-00

- grade shall be 2".

 2. Size as shown on drawings and diagrams, but not less than listed.
- PLUMBING FIXTURE SCHEDULE
 - 1. 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
 - 2. 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.
 - 3. 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 KEYY 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 HEAVEY 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,
 - 4. 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).

WITH FLUSH REUSABLE FASTENERS, TRUEBRO LAV GUARD.

- 5. ALL SINKS AND ASSOCIATEDFAUCETS ARE PROVIDED BY THE KEG. PC TO PROVIDE BASKET STRAINER DRAIN, TAILPIPE, 3/8-INCH FLEXIBLE RISER W/ANGLE SUPPLIES WITH LOOSE KEYY 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 KEC UNLESS OTHERWISE NOTED.
- 6. ELECTRIC WATER COOLER, BI-LEVEL BARRRIER 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



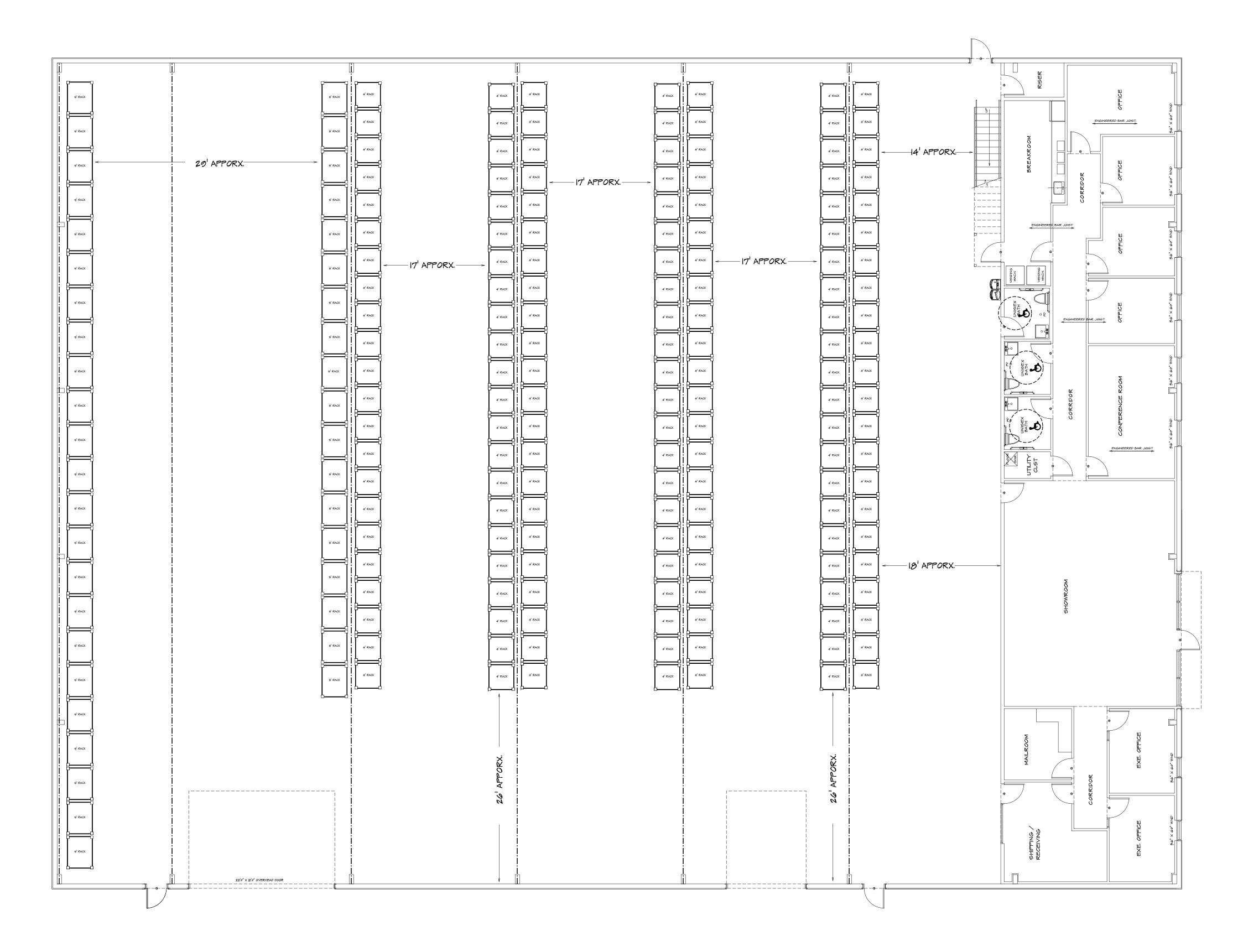


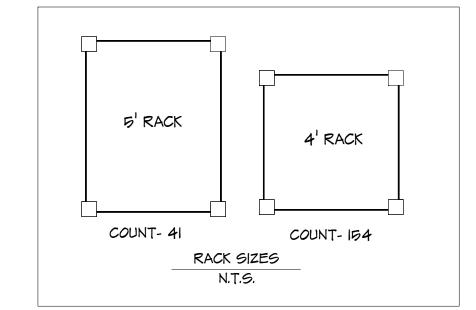


















BUTLERSUPPLY "Dedicated To Our Oustomers' Success"

Quotation

600 NW Libby Lane Lee's Summit MO 64063 www.butlersupply.com Phone:816-357-9800 Fax:816-600-5161

age

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:

ltem	Material Description	Quantity	Unit Price	Amount
10	383667LITH#ARC2LEDP340K-MVOLT/ DDBXD	12 EA	244.00 EA	2928.00
			* Total Sales	2,928.00
			* Tax Amount	248.15

- 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



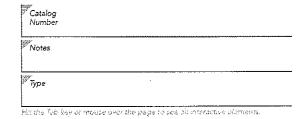






D2





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.

Specifications

Depth (D1):

9.25"

Depth (D2):

7.5"

Height:

5"

Width:

14"

Weight: (without options)

11 lbs



ARC LED Family Overview

Lommaire	Standard EM : 0. C	SCORE AND	P1	Ap	proximate Lumens (400 P3	P4	Ps -
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		Volkage	Options		Finish	
ARC2 LED	P1 1,500 Lumens P2 2,000 Lumens P3 3,000 Lumens P4 4,000 Lumens P5 6,500 Lumens	30K 3000K 40K 4000K 50K 5000K	MVOLT 347	E4WH E8WC PE DMG SPD6KV FAO LDS18	Emergency battery backup, CEC compliant (4W, 0°C min) ¹ Emergency battery backup, CEC compliant (8W, -20°C min) ¹ Button type photocell for dusk-to-dawn operation 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) ² 6kV surge protection ¹ Field adjustable light output device. Allows for easy adjustment to the desired light levels, from 20% to 100% ² 18" Fixture leads	DDBXD DBLXD DWHXD DWHXD DSSXD DDBTXD DBLBXD DNATXD DWHGXD DSSTXD	Dark bronze Black Natural aluminum White Sandstone Textured dark bronze Textured black Textured natural aluminum Textured white Textured sandstone

Accessories

WSBBW DDBXD U

Surface - mounted back box (specify finish)

COMMERCIAL OUTDOOR

NOTES

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



Performance Data

Lumen Output

Lurnen 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	System Watts		30/630	00K to t	RI)			401 (41	0.015, 80.0	(1)			508/5	000)(84	GN)	
Package		Lumens	LPI	1	U	ď	Lumens	ar V	Ü		C.				1.	G
PI	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
Р3	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	Í	6,659	130	1.	0	1

Electrical Load

Performance				tiiment (a		
Package	System Watts	(20)	2089	2407	2770	3479
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
PS	51W	0.471	0.272	0.239	0.212	0:158

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

C+AAL:	593
E8WC	1,413

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40 $^{\circ}$ C (32-104 $^{\circ}$ F).

Amb	ient	Lumen Multiplie
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 lies files for this product, visit the Lithonia Lighting ARC LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.

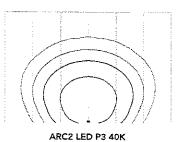
LEGEND

0.25 fc

0.5 fc 1.0 fc

3.0 fc

MH = 15ft Grid = 15ft x 15ft



COMMERCIAL OUTDOOR



Emergency Egress Options

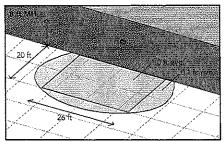
Emergency Battery Backup

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 90minutes.

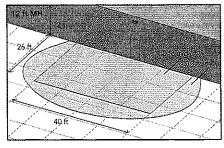
Applicable codes: NFPA 70/NEC - section 700.16, NFPA 101 Life Safety Code Section 7.9

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

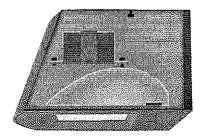
 $Grid = 10ft \times 10ft$



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/CPL 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.

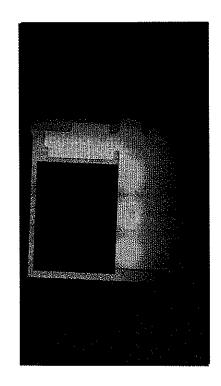
WARRANTY

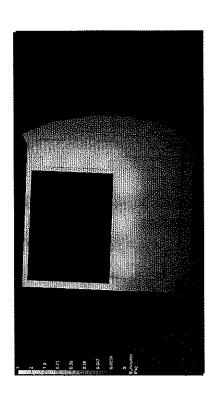
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: see acquisite and some amount of the see acquisite and see a see acquisite and see a see

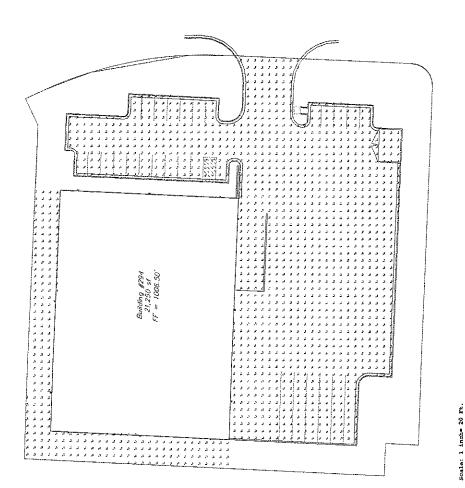
Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



* KREIIII EKIICHIINC & CONIBOLI	11005		PREMIER LIGHTING & CONTROLS	of 1
PDEMILD	Since Comments C	Drawn By: CJ Perries Checked By: Premier Lighting Date:9/10/2024	PES TOI YAMBENAN	Page 1







| Control | Cont

CALCULATION NOTES:
CALCS POINTS: 01
RETACTANCES: 501 MALS, 201 FLORIS
HIT 24
LIE: 0.31