

PLUMBING FIXTURE SCHEDULE

P-#	FIXTURES	SPECIFICATIONS	PIPING REQUIRED		
			WASTE	CW	HW
P-1	WATER CLOSET/ADA FLOOR MOUNTED SENSOR FLUSH VALVE - 1.6 GPF	AMERICAN STANDARD "MADERA" 3043.001 WHITE VITREOUS CHINA FLOOR MOUNTED WATER CLOSET WITH SIPHON-JET FLUSHING ACTION, 16 1/2" RIM HEIGHT, 1.1-1.6 GPF, 10"-12" ROUGH-IN, BOLT CAPS SEAT : AMERICAN STANDARD #5901.100SS EXTRA HEAVY DUTY WHITE ELONGATED OPEN FRONT SEAT LESS COVER WITH EVERCLEAN VALVE. ZURN ZEMSD000PL-S HARDWIRED EXPOSED FLUSH VALVE FOR WATER CLOSETS, 1.6 GPF, INTEGRAL SENSOR. PROVIDE POWER SUPPLY (COMMON POWER SUPPLY WHERE APPROPRIATE)	4"	1 1/2"	--
P-2	URINAL - HANDICAP 3/4" TOP SPUD - 1.0 GPF MANUAL FLUSH VALVE	AMERICAN STANDARD "ALLBROOK" MODEL 6541.132 1.0 GPF 3/4" TOP SPUD, WHITE VITREOUS CHINA, 2" IPS OUTLET, WALL HANGER. MOUNT RIM 17" AFF TO COMPLY WITH ADA. VALVE: SLOAN REGAL MODEL 1-186-1-ADA, 1GPF, CHROME FLUSH WITH ADA COMPLIANT HANDLE.	2"	1/2"	--
P-3	LAVATORY	SEE SHEET A 4.2 FOR SINK SELECTIONS	1-1/2"	1/2"	1/2"
P-4	SINGLE BOWL SINK ADA	JUST MODEL NO. SL-ADA-1613-A-GR SINGLE COMPARTMENT SINK. 16"X13", 304 STAINLESS STEEL, 18 GAUGE, 3 1/2" FAUCET LEDGE WITH 4 HOLES @ 4" CENTERS. TRAP AND SUPPLIES: MCGUIRE NO 151 CHROME PLATED FORGED BRASS STRAINER WITH 1-1/2" TAILPIECE, MCGUIRE NO. 8912 1 1/2" P-TRAP AND NIPPLE. MCGUIRE NO. 2165 ANGLE SUPPLIES WITH STOPS. FAUCET: MOEN MODEL 8244 TWO-HANDLE KITCHEN FAUCET WITH SIDE SPRAY. CHROME PLATED BRASS CONSTRUCTION, 4" WRIST BLADE HANDLES, COMPLIES WITH LATEST ADA REQUIREMENTS.	1-1/2"	1/2"	1/2"
FS	FLOOR SINK	12 X 12 FLOOR SINK WITH PERFORATED COVER AS NEEDED BY EQUIPMENT. COORDINATE WITH ARCHITECTURAL PLANS AND EQUIPMENT INSTALLER FOR EXACT POSITION.	3"	--	--
TD	TRENCH DRAIN	24 X 6 TRENCH DRAIN. COORDINATE WITH ARCHITECTURAL PLANS AND EQUIPMENT INSTALLER FOR EXACT POSITION.	3"	--	--
WH	INSTANTANEOUS WATER HEATER	EEMAX MOD. EX35DL, 3.5 KW, 208V INSTANTANEOUS WATER HEATER BELOW SINK.	--	--	--

PLUMBING LEGEND

- FIXTURE NUMBER, SEE SCHEDULE
- WATER BALANCE/SHUTOFF VALVE
- HOT WATER TEMPERING VALVE
- FLOOR SINK
- VENT THROUGH ROOF
- AIR ADMITTANCE VALVE
- NEW GAS PIPE
- NEW COLD WATER PIPE
- NEW HOT WATER PIPE
- NEW WASTE PIPE
- NEW VENT PIPE
- HOT WATER RETURN

GENERAL PLUMBING SPECIFICATIONS

GENERAL: THE ENTIRE PLUMBING SYSTEM SHALL BE IN ACCORDANCE WITH THE CURRENT NORTH CAROLINA BUILDING PLUMBING CODE. SUBMIT THREE (3) COPIES OF PLUMBING INSPECTION CERTIFICATES TO OWNER. PLUMBING CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS REQUIRED BY GOVERNING AUTHORITIES FOR WORK DONE UNDER THIS CONTRACT. PROVIDE AND INSTALL ALL SUPPORTS, BRACKETS, MATERIALS AND LABOR AS REQUIRED FOR A COMPLETE AND ACCEPTABLE PLUMBING SYSTEM. PLUMBING CONTRACTOR SHALL CLEAN ALL PLUMBING FIXTURES AFTER ALL CONSTRUCTION IS COMPLETE.

SOIL, WASTE AND VENT PIPING: WASTE PIPING AND VENT PIPING SHALL BE P.V.C. - D.W.C. SCHEDULE 40 PIPE. HOWEVER, COEXTRUDED PVC "FOAM CORE", ASTM F891, WILL NOT BE ALLOWED.

ALL PENETRATIONS THROUGH NON-COMBUSTIBLE CONSTRUCTION SHALL BE PACKED WITH NON-COMBUSTIBLE FIRE STOPPING MATERIAL.

GRADE WASTE AND VENT PIPING 1/4 INCH PER FOOT WHERE POSSIBLE BUT NOT LESS THAN 1/8 INCH PER FOOT, UNLESS SPECIFICALLY DIRECTED. MAINTAIN INVERTS WHERE INDICATED.

WATER HEATER: ALL FITTINGS SHALL BE SWEAT TYPE WROUGHT COPPER WITH WALL THICKNESS EQUAL TO PIPE WALL THICKNESS. ALL JOINTS SHALL BE MADE WITH 95-5 SOLDER OR SILVABRITE 100. NO SOLDER W/LEAD SHALL BE PERMITTED.

ALL ROUGHING-IN PIPING SHALL BE RUN CONCEALED. ALL EXPOSED WATER LINES, STOPS, TRAP AND WASTE PIPE AT THE FIXTURES SHALL BE CHROME PLATED BRASS, WHICH FOR THE MOST PART WILL BE FURNISHED WITH THE FIXTURES. CHROME PLATED ESCUTCHEON RINGS SHALL BE USED AT EACH POINT OF ENTRANCE OF CHROME PIPING INTO WALLS, FLOORS, OR CEILINGS. EXPOSED WORK SHALL BE UNIFORM IN HEIGHT AND LOCATION FOR EACH TYPE FIXTURE.

WATER PIPING UNDER GROUND OUTSIDE OF BUILDING SHALL BE AT LEAST 24 INCHES BELOW THE FINISHED GRADE SURFACE.

THERMAL INSULATION: ALL HOT AND COLD WATER PIPING INSIDE BUILDING AND IN CRAWL SPACE, ALL HOT WATER PIPING BELOW GRADE, AND COLD WATER PIPING BELOW GRADE WITHIN 3'-0" OF OUTSIDE SHALL BE INSULATED WITH 1" THICK "ARMAFLEX" OR IMCOA WITH SEALED JOINTS OR PREMOLDED FIBERGLASS WITH VAPOR BARRIER JACKET. IN LIEU OF INSULATING WATER PIPING IN HEATED WALLS PIPING MAY BE ENCASED IN BATT INSULATION WITHIN THE WALL OR FLOOR/CEILING.

WATER HEATERS: WATER HEATERS SHALL BE UL LISTED AND COMPLETE WITH ALL STANDARD FEATURES, ANODE ROD, AUTOMATIC TEMPERATURE CONTROL, AND AUTOMATIC HIGH-LIMIT SAFETY CUTOFF. INSTALL ASSE 1070 COMPLIANT TEMPERATURE CONTROL VALVE DOWNSTREAM OF ANY HIGH TEMPERATURE FIXTURES AND UPSTREAM OF ALL PUBLIC HANDWASHING FACILITIES.

EACH WATER HEATER SHALL BE PROVIDED WITH AN ASME APPROVED PRESSURE AND TEMPERATURE RELIEF VALVE. UNITS NOT INSTALLED WITH VACUUM BREAKER ON COLD WATER SUPPLY LINE SHALL BE PROVIDED WITH AGA CERTIFIED VACUUM RELIEF VALVE PER ANSI Z21.22. A GATE VALVE SHALL BE INSTALLED ON SAME FLOOR AS UNIT AND NO FURTHER THAN 3 FEET ON THE COLD WATER SUPPLY.

EACH WATER HEATER AND ITS INSTALLATION SHALL COMPLY WITH THE LATEST ISSUE AND ALL ADDENDA THERETO OF THE STATE BOILER INSPECTION LAWS AND REGULATIONS. ALL WIRING AND CONTROLS ASSOCIATED WITH THE HEATERS SHALL BE U.L. APPROVED AND IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.

DISCHARGE RELIEF VALVE FROM EACH WATER HEATER SHALL BE PIPED FULL SIZE TO WITHIN SIX (6) INCHES OF THE FLOOR OVER A FLOOR DRAIN, DRIP PAN OR OTHER SAFE LOCATION. DISCHARGE PIPE SHALL BE SUPPORTED AND ANCHORED SO THAT IT WILL NOT PUT UNDUE STRAIN ON THE RELIEF VALVE BODY OR MOUNTING COUPLING.

SUBMITTAL: THE CONTRACTOR SHALL WITHIN (15) DAYS OF RECEIPT OF PROPERLY SIGNED CONTRACT SUBMIT TO THE ARCHITECT/ENGINEER FOR APPROVAL (5) COPIES OF A LIST OF SUPPLIES AND MANUFACTURER'S MATERIAL AND EQUIPMENT TO BE USED ON THIS PROJECT.

SUBSTITUTION OF MATERIALS AND/OR EQUIPMENT FOR THAT SPECIFIED WILL NOT BE ACCEPTED WITHOUT PRIOR WRITTEN APPROVAL BY THE ARCHITECT/ENGINEER PRIOR TO RECEIPT OF BIDS.

GUARANTEE: THE PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE BY OWNER STATING THE DAY THE GUARANTEE BEGINS AND ENDS.

NOTE: PLANS SHOULD NOT BE SCALED FOR DIMENSIONS. COORDINATE ALL ROUGH IN DIMENSIONS WITH EQUIPMENT TO BE INSTALLED AND DIMENSIONED DRAWINGS INCLUDING KITCHEN EQUIPMENT PLANS IF AVAILABLE. CONTACT ENGINEER BEFORE CONSTRUCTION WITH ANY CONFLICTS.

PLUMBING GENERAL NOTES:

BASIS OF DESIGN: UNLESS OTHERWISE NOTED THE PURPOSE OF THESE DRAWINGS IS TO PROVIDE DIRECTION AND BASIS OF DESIGN TO A COMPETENT CONTRACTOR FAMILIAR WITH THE TYPE OF SYSTEMS BEING INSTALLED SUFFICIENT TO INDICATE OWNERS REQUESTS AND CODE REQUIREMENTS. IT IS THE CONTRACTORS RESPONSIBILITY, WHEN OTHERWISE UNDIRECTED, TO FOLLOW STANDARD INDUSTRY PRACTICES AND BASIC CODE COMPLIANCE INCLUDING, BUT NOT LIMITED TO: PROVIDING MATCHING REQUIRED ACCESSORIES TO THE SYSTEMS INDICATED, COORDINATING EXACT ROUTINGS AND LOCATIONS WITH OTHER TRADES AND THE OWNER, SELECTING CODE APPROVED MATERIALS, AND MAKING MINOR OFFSETS/ADJUSTMENTS BASED ON FIELD COORDINATION AND OWNER'S FIELD REQUESTS. CHANGE OF MANUFACTURER TO EQUIVALENT SYSTEMS, WITH OWNER'S APPROVAL, IS ACCEPTABLE. CONTACT ENGINEER WITH ANY CONFLICTS NOT COVERED BY THE ABOVE INSTRUCTIONS.

1. PROVIDE ALL MATERIALS AND LABOR NECESSARY FOR COMPLETE AND PROPERLY FUNCTIONING PLUMBING SYSTEMS. WARRANTY ALL WORK AND ALL MATERIALS, EQUIPMENT AND DEVICES FOR A PERIOD OF ONE YEAR AFTER OWNER'S ACCEPTANCE.

2. WORK SHALL CONFORM TO OR MEET THE REQUIREMENTS OF THE MOST CURRENT EDITION OF:
A. NORTH CAROLINA PLUMBING CODE
B. ASPE
C. UL
D. ANSI
E. ALL FEDERAL, STATE AND LOCAL CODES AND ORDINANCES

3. DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO BE SCALED FOR DIMENSIONS, UNLESS DIMENSIONED.

4. ALL MATERIALS, EQUIPMENT AND DEVICES SHALL, AS A MINIMUM, MEET THE REQUIREMENTS OF UL WHERE UL STANDARDS ARE ESTABLISHED FOR THOSE ITEMS. ALL ITEMS SHALL BE CLASSIFIED BY UL AS SUITABLE FOR THE PURPOSE USED.

5. ALL ITEMS SHALL BE NEW, UNLESS NOTED OTHERWISE.

6. ALL MATERIALS AND EQUIPMENT SHALL BE CURRENT PRODUCTS BY MANUFACTURERS REGULARLY ENGAGED IN THE PRODUCTION OF SUCH PRODUCTS.

7. COORDINATE LOCATION OF PLUMBING WORK WITH OTHER TRADES TO AVOID CONFLICTS AND INTERFERENCES. COORDINATE WITH SITE WORK TO PROVIDE FULL OPEN WATER SERVICE VALVE WITHIN 5 FEET OF BUILDING ENTRY.

8. INSTALL ALL EQUIPMENT AND MATERIAL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN PRINTED INSTRUCTIONS AND RECOMMENDATIONS. VERIFY, INCLUDING WITH OTHER TRADES, POWER AND/OR FUEL SUPPLY BEFORE ORDERING.

9. COORDINATE WITH AND OBTAIN PERMITS AND INSPECTIONS FROM AUTHORITY HAVING JURISDICTION AND INCLUDE ALL FEES IN BID.

10. PROVIDE OWNER WITH CERTIFICATES OF FINAL INSPECTION AND ACCEPTANCE FROM AUTHORITY HAVING JURISDICTION.

11. ALL EQUIPMENT AND PIPE ABOVE CEILING SHALL BE SUPPORTED FROM BUILDING STRUCTURE ABOVE, UNO.

12. WHERE PIPES PENETRATE FIRE RATED BARRIERS (WALLS, FLOORS AND CEILINGS) SEAL OPENING AROUND PIPES AND DUCTWORK WITH U.L. LISTED FIRE STOPPING MATERIAL TO MAINTAIN THE FIRE RATING OF THE BARRIER. PER NC BUILDING CODE VOLUME 1, PENETRATIONS OF NONRATED WALLS, PARTITIONS AND FLOORS OF NONCOMBUSTIBLE CONSTRUCTION SHALL BE FIRE-STOPPED WITH NONCOMBUSTIBLE MATERIAL.

13. PROVIDE EXPANSION-DEFLECTION JOINTS WHERE PIPE CROSSES BUILDING EXPANSION OR SEISMIC JOINTS. PROVIDE SLEEVES WHERE PIPING CROSSES STRUCTURAL CONCRETE WALLS/FOOTINGS.

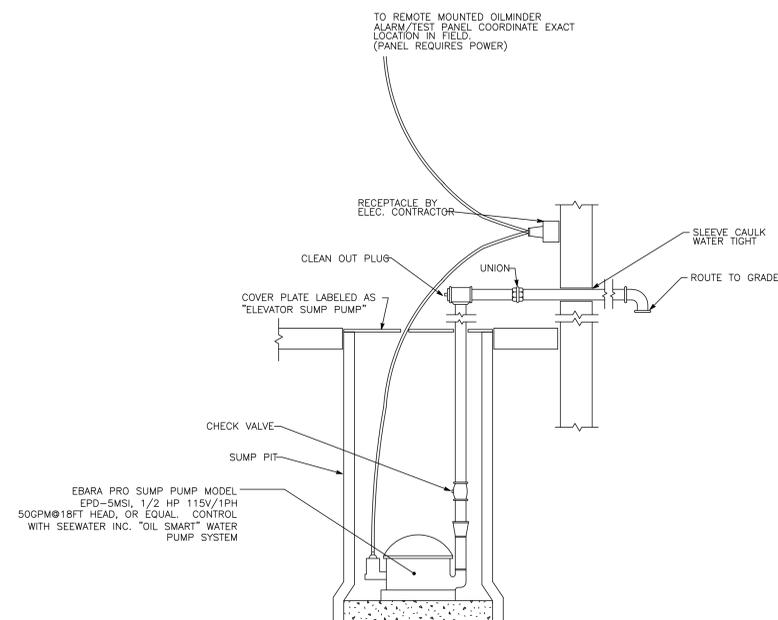
14. PRIOR TO BIDDING, THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL VISIT THE JOBSITE AND SHALL FAMILIARIZE THEMSELVES WITH ALL CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED AND SHALL INCLUDE IN HIS BID ALL LABOR, MATERIAL AND OPERATIONS REQUIRED FOR A COMPLETE JOB. (NOTIFY OWNER AND ENGINEER OF ANY DISCREPANCIES PRIOR TO BID.)

15. CLEANOUTS, LINE SIZE, UNO.

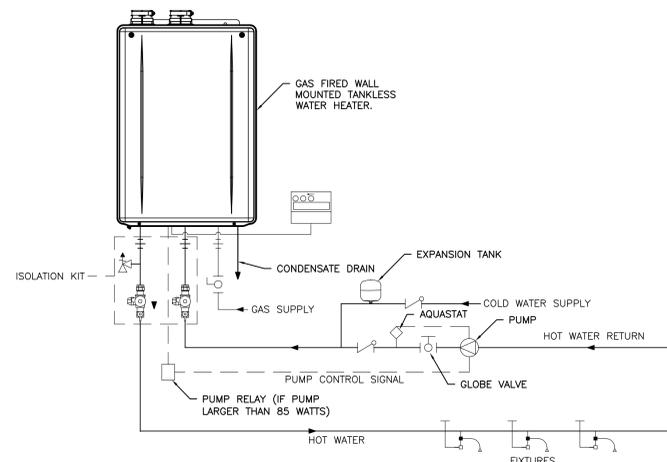
16. FLOOR DRAINS, LINE SIZE, UNO.

17. FLOOR DRAINS WITH SUBSCRIPT GO TO HAVE INTEGRAL CLEANOUT AND SHALL BE SIMILAR TO REGULAR FLOOR DRAIN SPECIFIED, UNO.

18. FLOOR DRAINS AND FLOOR SINKS ARE SHOWN PROVIDED WITH HOSE BIBBS OR OTHER ALTERNATE METHODS OF PRIMING THAN TRAP-PRIMERS. VERIFY APPROVED BY AUTHORITY HAVING JURISDICTION.



B SUMP PUMP DETAIL
SCALE: NONE



A TANKLESS GAS WATER HEATER DETAIL
SCALE: NONE



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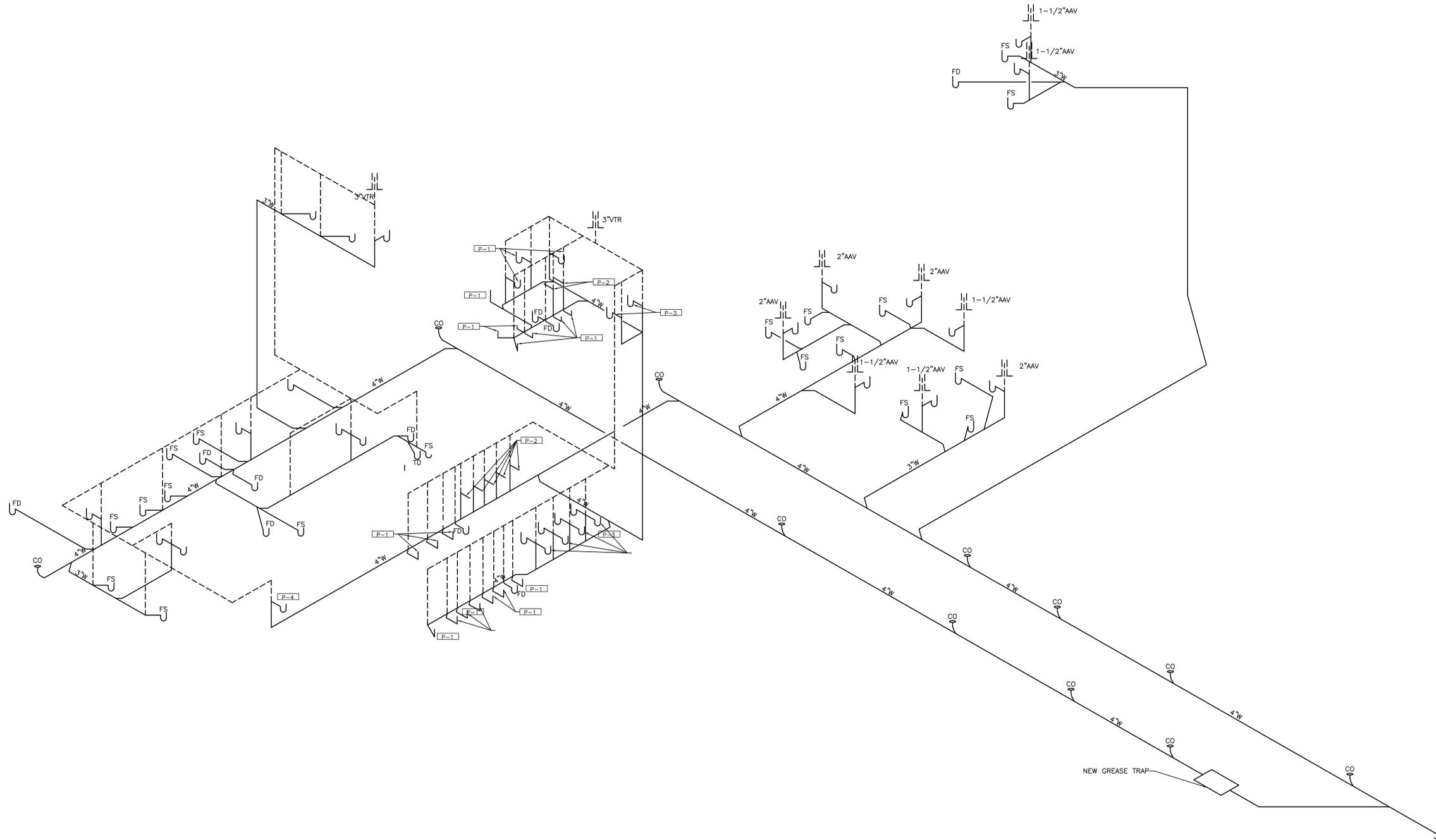
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WASTE RISER
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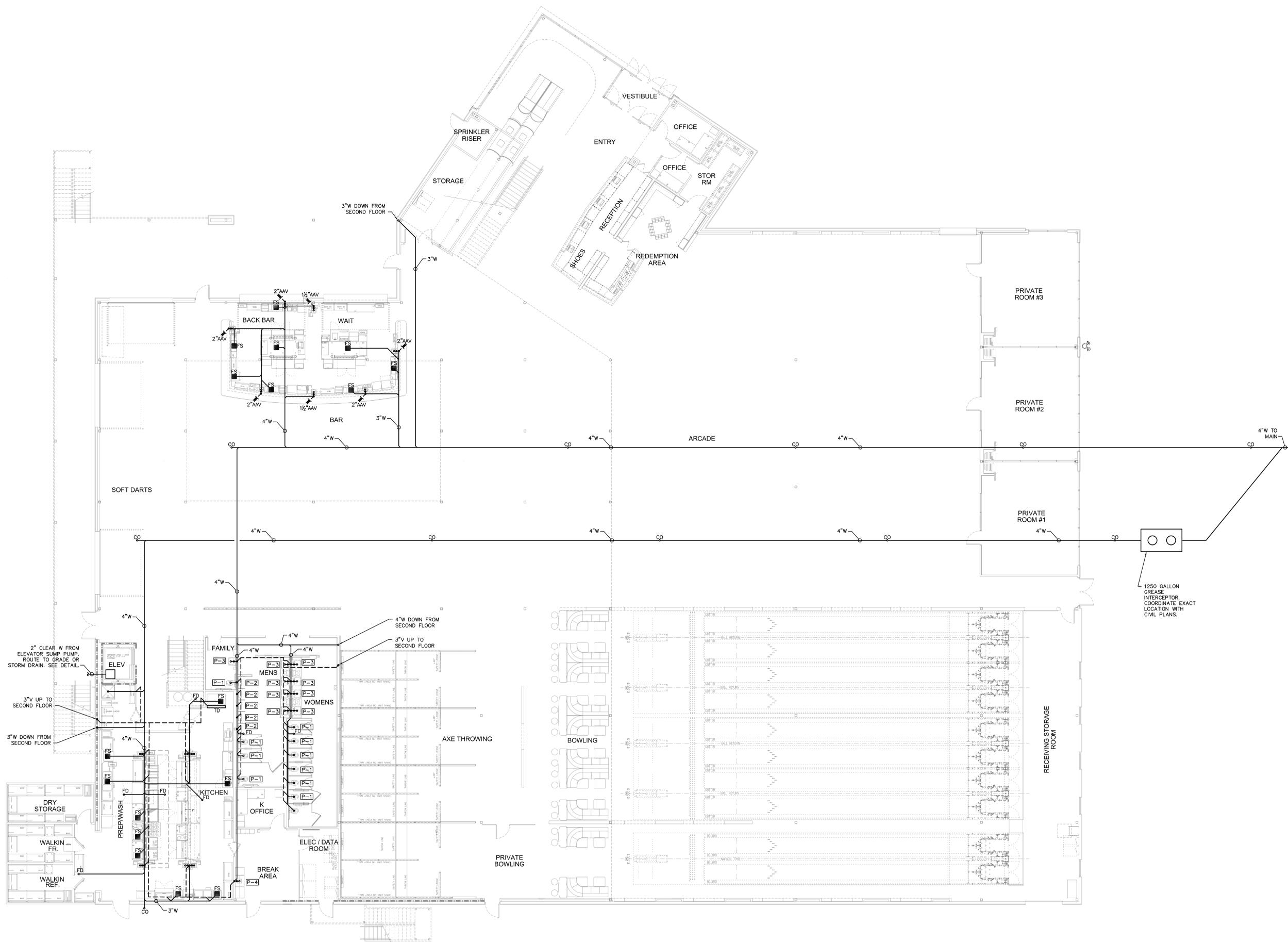
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P1.2

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



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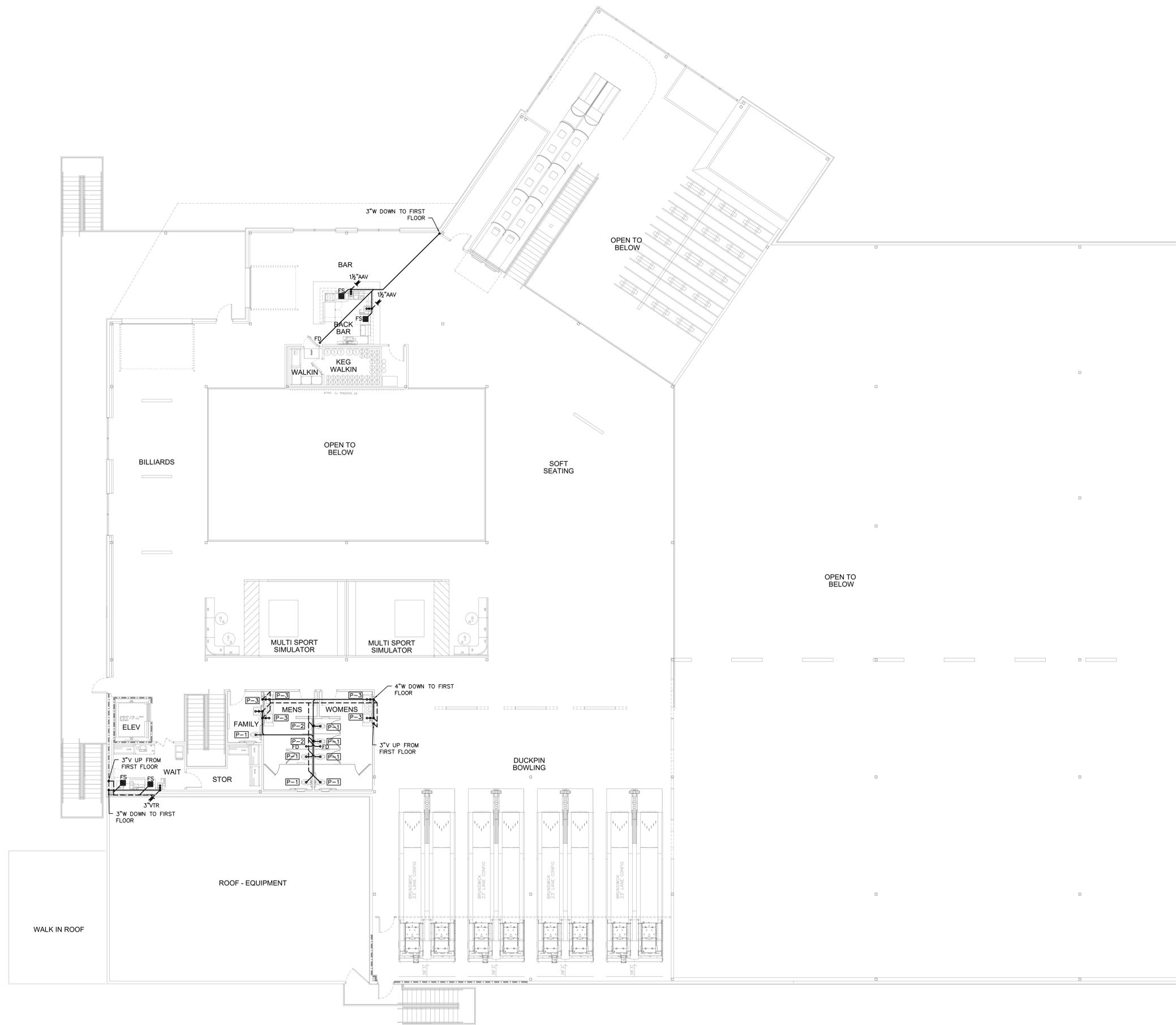
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1 MEZZANINE FLOOR PLAN – PLUMBING – WASTE
 SCALE: 1/8"=1'-0"



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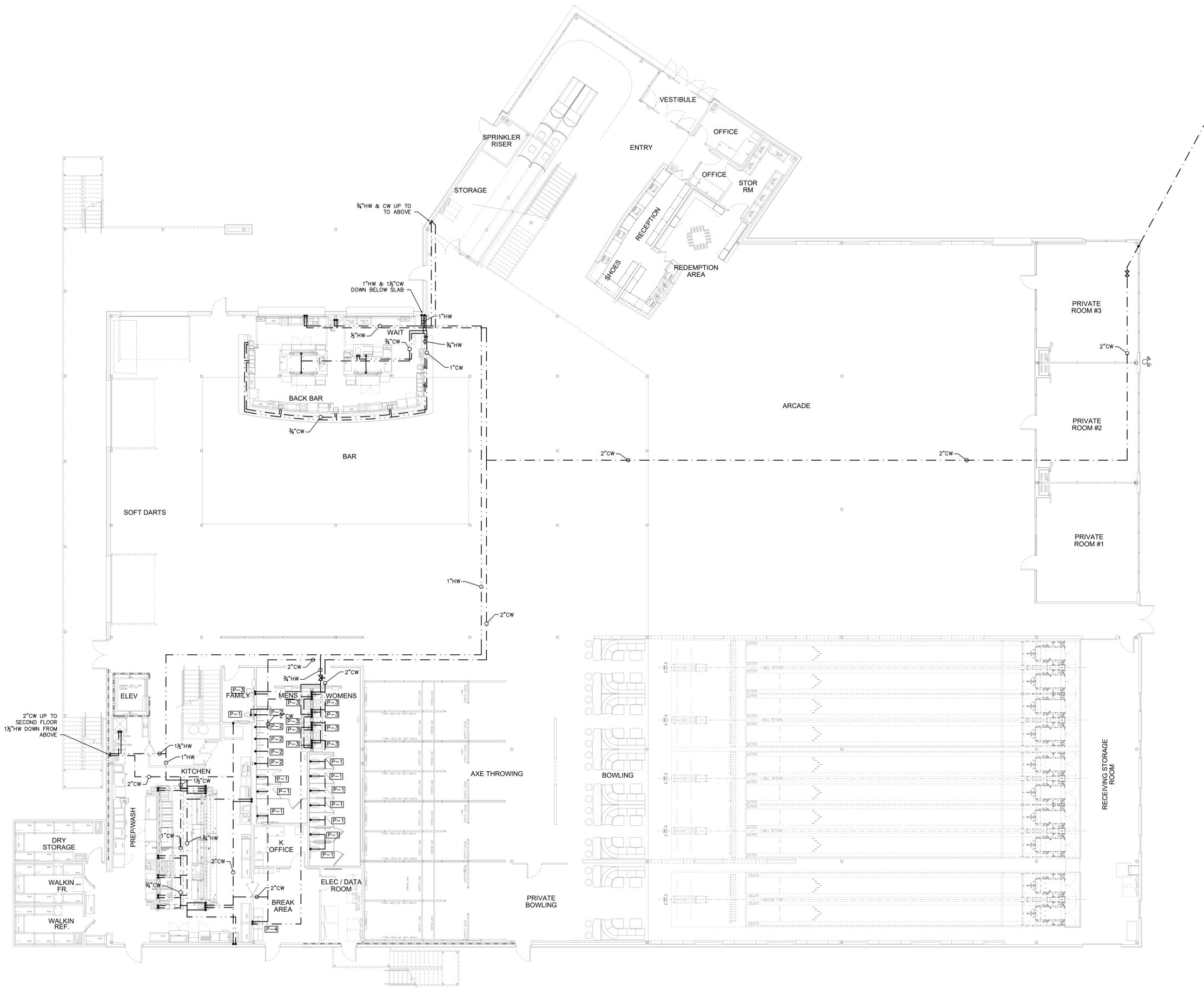
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P2.2

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



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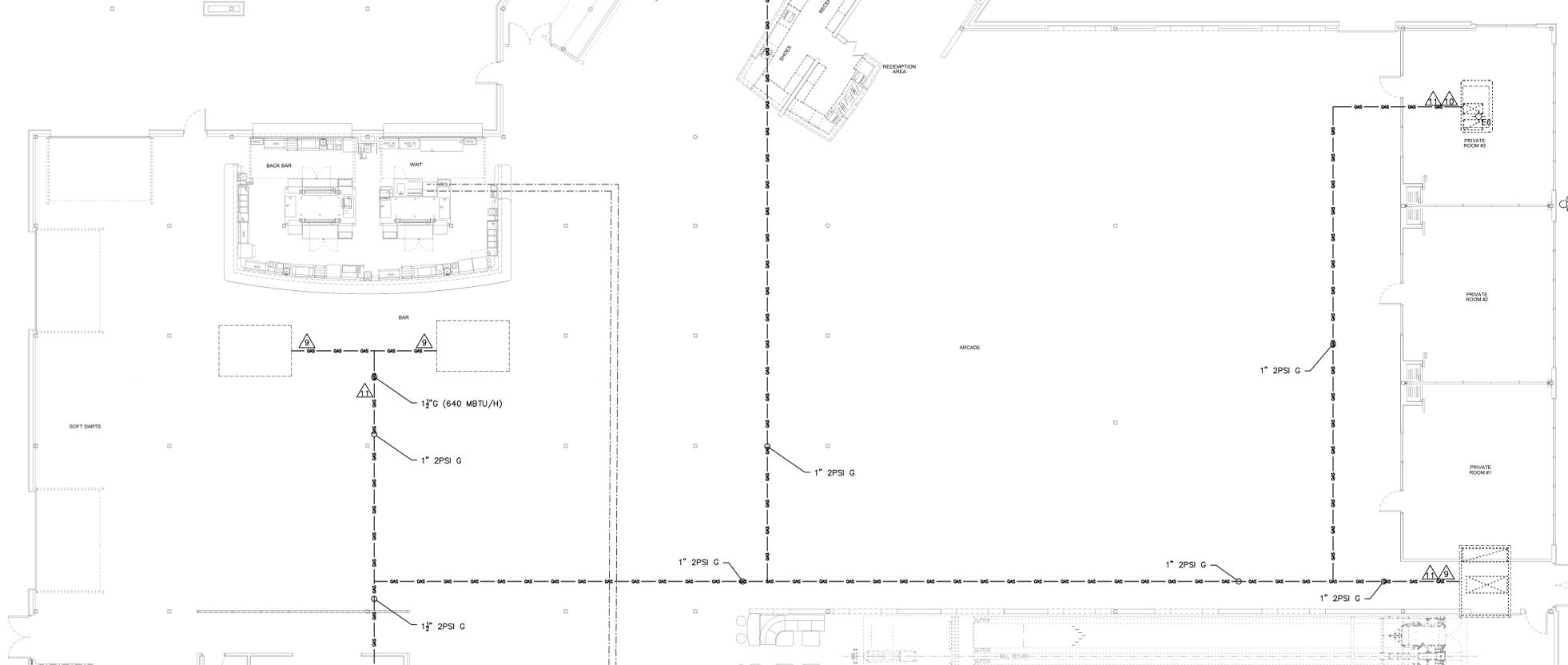


1 MEZZANINE FLOOR PLAN - PLUMBING - WATER
SCALE: 1/8"=1'-0"

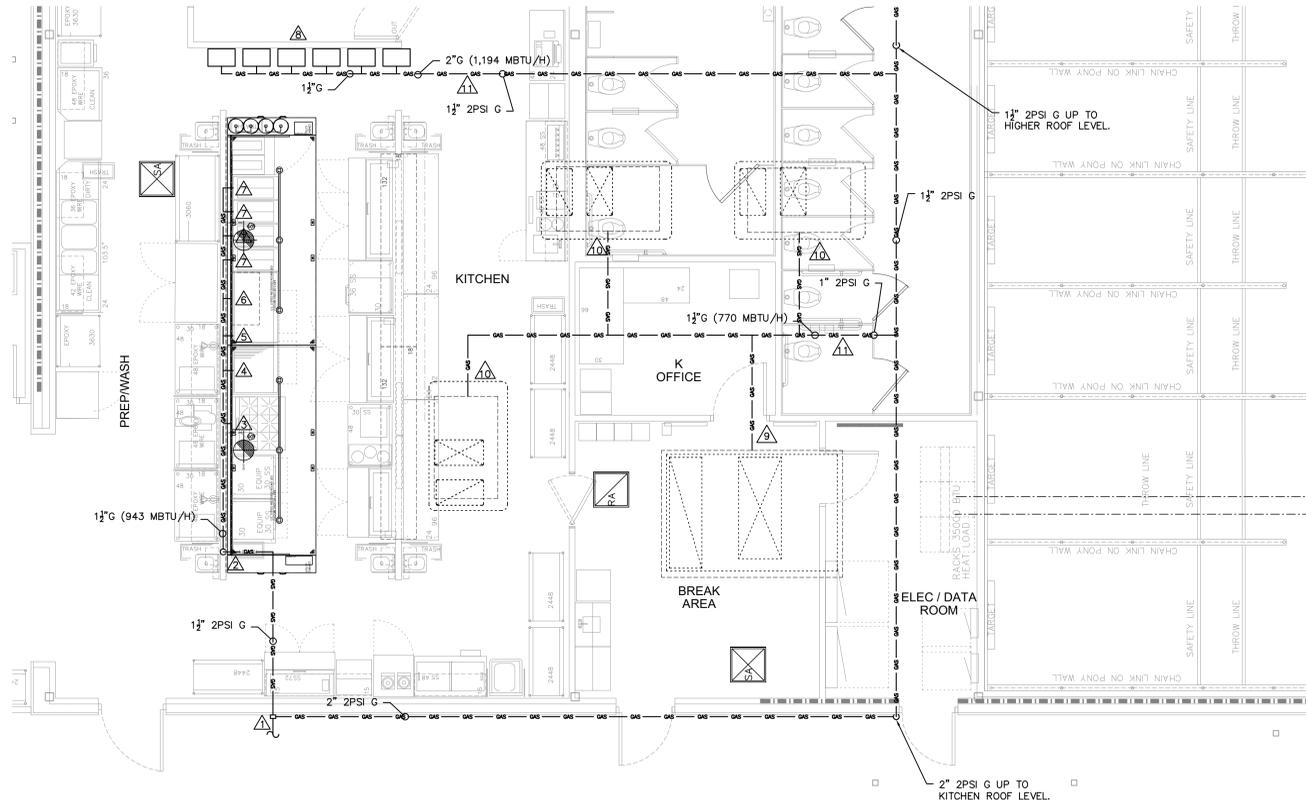
KEY	FURN. BY GC	FURN. BY OWNER	FURN. BY OWNER	FURN. BY OWNER	QTY.	ITEM NAME	MANUFACTURER OR EQUAL	MODEL NUMBER	POWER	WATER				REMARKS	MISC. NOTES	NSF
										HOT	COLD	DIRECT/INDIRECT	WASTE			
1					1	P.O.S. - CASH REGISTER	VARIES		(2) DATAS 120v/60/1 1A					1" PULL PIPE FOR DATAS BY GC	NSF	
2					1	TICKET PRINTER FROM POS	VARIES		120v/60/1 1A						NSF	
3					1	72" FOOD PREP REFR.	AVANTCO	APST-72	115v/60/1 2.5					SELF CONTAINED	NSF	
4					1	60" FOOD PREP REFR.	AVANTCO	APT-60-HC	115v/60/1 5.4					SELF CONTAINED	NSF	
5					1	48" PIZZA PREP REFR.	AVANTCO	APPT-48-HC	115v/60/1 3.5					SELF CONTAINED	NSF	
6					1	48" SALAD PREP REFR.	AVANTCO	APT-48-HC 4	115v/60/1 4.9					SELF CONTAINED	NSF	
7					1	84" CHEF BASE REFR.	AVANTCO	CBE-84-HC	115v/60/1 6.84					SELF CONTAINED	NSF	
8					1	54" 2 DR REFR.	AVANTCO	A-49R-HC	115v/60/1 6.2					SELF CONTAINED	NSF	
9					1	27" WORKTOP REFR.	AVANTCO	AWT-27R-HC	115v/60/1 2.2					SELF CONTAINED	NSF	
10					1	49" ICECREAM FREEZER W/ 1 - 2-Tub Holder Basket	AVANTCO	DFC13-HCL 36003092	115v/60/1 4.0					SELF CONTAINED	NSF	
11					3	59" GLASS DOOR BOTTLE COOLER	AVANTCO	UBB-2G-HC	115v/60/1 3.5					SELF CONTAINED	NSF	
12					1	48" GLASS DOOR BOTTLE COOLER	AVANTCO	UBB-48G-HC-S	115v/60/1 3.5					SELF CONTAINED	NSF	
13					4	24" MUG FROSTER ADD 2"CASTERS	AVANTCO	GF25-HC-S	115v/60/1 9.9					SELF CONTAINED	NSF	
14					2	25" HORIZONTAL BOTTLE COOLER	AVANTCO	HBB-25-HC	115v/60/1 7.2					SELF CONTAINED	NSF	
15					1	27" WORKTOP FREEZER	AVANTCO	SS-WT-27F-HC	115v/60/1 3.6					SELF CONTAINED	NSF	
16					1	24" GREASE HOOD - 2 12" PER DWG	CAPTIVE AIR									
17					1	MEAT SLICER	HOBART	EDGE10	120v/60/1 15						NSF	
18					2	BUNN BREWER	BUNN	CWTF15-3	120v/60/1 14						NSF	
19					6	BLENDER	VITAMIX	068255	120v/60/1 12A						NSF	
20					4	12 X 21 BLENDER STATION	BK RESOURCES	UB4-21-BDMX12							NSF	
21					4	24" DIPPER / RINSER / DUMP	ADVANCE TABCO	PRSP-25-24							INDIRECT FLOOR SINK	
22					1	22" DUMP SINK	REGENCY	600S117F-W							INDIRECT FLOOR SINK	
23					1	1&S 8" C WALL 3 1/2" GOOSENECK FAUCET									NSF	
23					1	1&S B-3952 Twist Waste Valve, 3 1/2" Sink Opening, 2" Drain	Outlet								NSF	
23					2	60" BAR 3 (14X10) COMP SINK	REGENCY	600B31014213							INDIRECT FLOOR SINK	
23					2	1&S 4" Center 8" Spread Spout, Wall Mount									NSF	
24A					1	3' DISHTABLE CLEAN R SIDE	John Boos	CDT6-S36SBK R							INDIRECT FLOOR SINK	
24B					1	103" 3 COMP SINK WITH 24" DB LEFT TO RIGHT - R SIDE DW	John Boos	DT3B18244-2D24L							INDIRECT FLOOR SINK	
					1	1&S Brass B-0133-ADF12-B Pre-Rinse Unit									NSF	
					3	1&S B-3952 Twist Waste Valve, 3 1/2" Sink Opening, 2" Drain	Outlet								NSF	
25					3	30x48 SS WT WITH SINK ON R	REGENCY	60S1304BR							NSF	
26					1	LOW TEMP PASSTHRU DW - NO HOOD	JACKSON	Conservor XL-E	120v/60/1 10A						INDIRECT FLOOR SINK	
27					2	LOW TEMP BAR DISHWASHER	JACKSON	DELTA 5-E	120v/60/1 16A						INDIRECT FLOOR SINK	
28					10	HAND SINK WITH SPLASHGUARDS SOAP DISPENSER/BY SERVEPRO TOWEL ROLL DISPENSER/BY SERVEPRO	REGENCY BY SUPPLIER	HS12SP TOUCHLESS TOUCHLESS							INDIRECT FLOOR SINK	
29A					1	30x96 Beverage Table W R SINK	REGENCY	600TB3096R							INDIRECT FLOOR SINK	
29B					1	30x60 Beverage Table W R SINK	REGENCY	600TB3060R							INDIRECT FLOOR SINK	
29C					1	30x48 Beverage Table W R SINK	REGENCY	600TB3048R							INDIRECT FLOOR SINK	
29D					1	24X72 ENCL. OPEN BASE TABLE NO B.S.	REGENCY	600eb12472							INDIRECT FLOOR SINK	
29E					1	24X36 LOCKABLE BASE TABLE W/ B.S.	REGENCY	600EBT2436D							NSF	
29F					1	24X48 LOCKABLE BASE TABLE W/ B.S.	REGENCY	600EBT2448							NSF	
29G					4	24X48 LOCKABLE BASE TABLE NO B.S.	REGENCY	600EBT2448D							NSF	
30					1	LARGE KITCHEN ICE MAKER W/ FILTER	HOSHIZAKI	KM - 1301SAJ	208/230v/60/1 12.4A						INDIRECT FLOOR SINK	
31					1	SMALL BAR ICE MAKER W/ FILTER	HOSHIZAKI	KM - 161 BAJ	115v/60/1 7.1A						INDIRECT FLOOR SINK	
32					1	TEA BREWER	BUNN	TB60	120v/60/1 14.4A						INDIRECT FLOOR SINK	
33A					4	18X36 Underbar Ice Bin W/ Cold Plate	REGENCY	600IB1836							INDIRECT FLOOR SINK	
33B					1	WITH SINGLE SS SPEED RAIL	STELTON STAINLESS	712B5536							INDIRECT FLOOR SINK	
33C					1	18X30 Underbar Ice Bin W/ Cold Plate	REGENCY	600IB1830							INDIRECT FLOOR SINK	
34					1	WITH SINGLE SS SPEED RAIL	STELTON STAINLESS	712B5530							INDIRECT FLOOR SINK	
35					3	Corrugated Top Glass Rack Storage	REGENCY	600DRSU2324C							INDIRECT FLOOR SINK	
36					3	FLAT Top Glass Rack Storage	REGENCY	600DRSU2324							INDIRECT FLOOR SINK	
37A					3	FOUNTAIN 8 HEAD DRINK DISPENSOR	BY SODA PROVIDER	ICD 2300							NSF	
37B					4	SODA GUNS AT SPEED RAILS	BY SODA PROVIDER								NSF	
37C					4	SODA BOY/COKS 1	BY SODA PROVIDER								NSF	
38					16	SLIM JIM TRASH CAN 23 GAL	RUBBERMAID	23 GAL GRAY							NSF	
39A					3	12 TAP DRAFT TOWER	MICROMATIC	TT-U-12KR-11							NSF	
39B					3	15 3/4 DRIP TRAY WITH GLASS RINSE	MICROMATIC	51" CUSTOM PLATFORM DRIP TRAY							INDIRECT FLOOR SINK	
39C					1	12 TAP WALL GLYCOL READY W/RINSE	MICROMATIC	KRONOS-12SSKRGR							INDIRECT FLOOR SINK	
40					1	GLYCOL POWER PACK - REMOTE COND.	MICROMATIC	MPPP4305-PKG-R	115v/60/1 7.1A						INDIRECT FLOOR SINK	
41					1	POWER PACK RACK	MICROMATIC	PPR-362448							NSF	
42					1	Infrared French Fry Warmer	AVANTCO	FFDS-1	120v/60/1 8.3A						NSF	
43					1	SOUP WARMER - 3 POT	VOLLRATH	7278B	120v/60/1 13.3A						NSF	
44					3	ELECTRIC STRIP HEATER	WINCO	ESH36	120v/60/1 6.3A						NSF	
45					2	COUNTERTOP ELECTRIC PIZZA OVENS	BAKERS PRIDE	P44BL	208/230 3A/8A						NSF	
46					1	36" GAS CHARGRILL	SOUTHBEND	HDC-36		120000 BTU GAS					NSF	
47					1	36" GAS SALAMANDER BROILER	SOUTHBEND	P36-RAD		40000 BTU GAS					NSF	
48					1	48" GAS GRIDDLE	SOUTHBEND	HDG-48		120000 BTU GAS					NSF	
49					1	36" S-Series Restaurant GAS Range	SOUTHBEND	S36D		63000 BTU GAS					NSF	
50					4	GAS FRYER	PITCO	400		115000 BTU GAS					NSF	
51					1	MICROWAVE	SOLWAVE	180MW1000SS	120v/60/1 8.3A						NSF	
52					2	BAKING SPEED OVEN	UNOX	XASW-03HS-SDDS	240v/60/1 28A						NSF	
53					2	PassThru Shelf/Overshelf - 24X132	REGENCY	600PTB24132							NSF	
54					4	SS DISH CABINET 18X72	REGENCY	600DC1872							NSF	
54A					1	SS 30X36 WORKTABLE W/1 1/2" B.S.	ADVTAB OR EQ	16 CA - 304SS							NSF	
54B					1	SS 30X48 WORKTABLE W/1 1/2" B.S.	ADVTAB OR EQ	16 CA - 304SS							NSF	
54C					2	SS 30X30 EQUIP STAND W/1 1/2" B.S.	REGENCY	600es3030g							NSF	
55A					3	5 TIER EPOXY GREEN METRO SHELF	REGENCY	24X42X74							NSF	
55B					11	5 TIER EPOXY GREEN METRO SHELF	REGENCY	24X48X74							NSF	
55C					2	5 TIER EPOXY GREEN METRO SHELF	REGENCY	30X30X74							NSF	
55D					10	5 TIER EPOXY GREEN METRO SHELF	REGENCY	30x48X74							NSF	
55E					4	5 TIER EPOXY GREEN METRO SHELF	REGENCY	30x60X74							NSF	
55F					1	5 TIER EPOXY GREEN METRO SHELF	REGENCY	18X48X74							NSF	
55G					3	WALL MOUNTED GR. EP. WIRE SHELF	REGENCY	18X30 BRACKETS							NSF	
55H					3	WALL MOUNTED GR. EP. WIRE SHELF	REGENCY	18X36 BRACKETS							NSF	
55I						NOT USED										
55J					5	WALL MOUNTED GR. EP. WIRE SHELF	REGENCY	18X48 BRACKETS							NSF	
55K					3	3 TIER EPOXY GR. METRO SHELF-34"H	REGENCY	18X36X34H							NSF	
56					1	SS STAINLESS PLATE CART	ULINE	H-7491							NSF	
57					1	3 SHELF PLASTIC BUS CART	THUNDER	PLB24019B							NSF	
58					1	36X36X12" TERRAZZO MOP SINK	TERRAZZO-WARE	THR-363612							NSF	
					1	8" MOP FAUCET	REGENCY	E-0865-BSTR							NSF	
					1	36" MOP RACK	REGENCY	600MR36							NSF	
59A					5	SOLID SS 15" SHELVES	REGENCY	15 X 48							NSF	
59B					2	SOLID SS 15" SHELVES	REGENCY	15 X 72							NSF	
60					4	DRAWER LOCKABLE FILE CABINET	GLOBAL INDUSTRIAL	WB8836540							NSF	
61					3	EMPLOYEE LOCKERS 6 TIER 12"D	GLOBAL INDUSTRIAL	WB413275							NSF	
62					7	14X24X8 DUNNAGE RACK	REGENCY	600DUN1424							NSF	
63					1	WALL MOUNTED POTATOE SLICER	NEMCO	EASY FryKutter							NSF	
64A																

KEY	ITEM NAME	MANUFACTURER OR EQUAL	MODEL NUMBER	POWER	WATER		WASTE	DIRECT/INDIRECT	REMARKS	MSG. NOTES	NSF
					HOT	COLD					
44	2	COUNTERTOP ELECTRIC PIZZA OVENS	BAKERS PRIDE	P448L	208/230 3A/8A						NSF
45	1	36" GAS CHARGRILL	SOUTHBEND	HDC-36					120000 BTU GAS		NSF
46	1	36" GAS SALAMANDER BROILER	SOUTHBEND	P36-RAD					40000 BTU GAS		NSF
47	1	48" GAS GRIDDLE	SOUTHBEND	HDC-48					120000 BTU GAS		NSF
48	1	36" S-Series Restaurant GAS Range	SOUTHBEND	S36D					203000 BTU GAS		NSF
49	4	GAS FRYER	PITCO	400					115000 BTU GAS		NSF
50	1	MICROWAVE	SOLWAVE	180MW1000SS	120v/60/1 8.3A						NSF
51	1	BAKING SPEED OVEN	UNOX	XASW-03HS-SDDS	240v/60/1 28A						NSF

EQUIPMENT SCHEDULE



1 HIGH ROOF PLAN - GAS
SCALE: 1/8"=1'-0"



1 KITCHEN AREA FLOOR/ROOF PLAN - GAS
SCALE: 1/4"=1'-0"

- GAS NOTES:**
- 2PSI SIZING DATA
 MAX RUN 400'
 MAX LOAD 4,167 MBTU/H
 PIPE SIZED PER TABLE 402.4(5)
- LOW PRESSURE SIZING DATA
 MAX RUN 40'
 MAX LOAD NOTED PER PRESSURE REDUCING VALVE (PRV) IF MULTIPLE CONNECTIONS
 PIPE SIZED PER TABLE 402.4(2)
- ▲ 2" 2PSI G FROM METER BY GAS COMPANY.
 - ▲ 1 1/2" 2PSI G DOWN TO COOKLINE VIA PRV AND SHUTOFF VALVE IN HOOD SYSTEM.
 - ▲ 1" G TO 203 MBTU/H RANGE.
 - ▲ 3/4" G TO 120 MBTU/H CHARGRILL.
 - ▲ 1/2" G TO 120 MBTU/H COUNTERTOP GRIDDLE.
 - ▲ 3/4" G TO 40 MBTU/H BROILER.
 - ▲ 3/4" G TO 115 MBTU/H FRYER.
 - ▲ 1" G TO EACH OF (6) 199 MBTU/H WATER HEATERS MOUNTED ON WALL.
 - ▲ 1" G TO 320 MBTU/H ROOFTOP UNIT.
 - ▲ 3/4" G TO 150 MBTU/H ROOFTOP UNIT.
 - ▲ PRV LOCATION.



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 ETC. SHALL BE CONSIDERED AS PART
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 AND SHALL TAKE PREFERENCE OVER
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PACKAGED GAS UNIT SCHEDULE				
UNIT NUMBER	RTU-4	RTU-2, 3, 5, 6, 7	RTU-1, 8, 9	
MANUFACTURER	TRANE	TRANE	TRANE	
MODEL NUMBER	GDK240A3SMA** DA	YHK120-350**D 2	GDK300A3SMA** DA	
WEIGHT	2400	1100	2400	
FAN	TOTAL AIR CFM	8000	4000	10000
	OUTSIDE AIR CFM	1500	750	3750
	FAN H.P.	5.0	3.0	7.5
	EXT. S.P. (IN H2O)	1.0	1.5	0.8
POWER SUPPLY	208V-3ø-60	208V-3ø-60	208V-3ø-60	
COOLING CAPACITY	TOTAL COOLING CAPACITY (BTUH HIGH)	249,400	127,200	283,000
	TOTAL COOLING CAPACITY (BTUH LOW)	159,700	96,200	217,900
	ENTERING AIR TEMP	80/67	80/67	80/67
HEATING CAPACITY	ENTERING AIR TEMP	70	70	70
	GAS INPUT (BTUH HIGH/BTUH LOW)	320,000	150,000	320,000
	GAS OUTPUT (BTUH)	259,200	121,500	259,200
	EFFICIENCY	80%	80%	80%
POWER SUPPLY	208V-3ø-60	208V-3ø-60	208V-3ø-60	
COMPRESSOR AMP	44.5/25.9	25.2/13.2	49.6/30.1	
OUTDOOR FAN AMPS	2ø4.3	6.3 (1PH)	2ø4.3	
MINIMUM CIRCUIT AMPACITY	104	60	121	
MAX OVERCURRENT PROTECTION	125	80	150	
ACCESSORIES	(1), (2), (3)	(1), (2), (3)	(1), (2), (3)	

RTU-6 AT KITCHEN - TO BE CAPTIVE AIR OUTSIDE
CONDITIONED AIR UNIT PER A9.6 CAPTIVE AIR DRAWINGS
ADJUST ELECTRICAL ACCORDINGLY

- PROVIDE WALL MOUNTED, ELECTRONIC, PROGRAMMABLE THERMOSTAT WITH AUTO CHANGEOVER.
- PROVIDE RETURN DUCT SMOKE DETECTOR MOUNTED UPSTREAM OF O.A. INTAKE TO SHUTDOWN UNIT AND ACTIVATE VISUAL AND AUDIBLE SIGNAL AS REQUIRED.
- PROVIDE RETURN DUCT CO2 SENSOR TO OPEN MINIMUM OUTSIDE AIR.

AIR DISTRIBUTION DEVICES					
TAG	SERVICE	NECK SIZE	OVERALL SIZE	MODEL NUMBER	DESCRIPTION & ACCESSORIES
A	SUPPLY	10"ø	24 X 24	ASPD	1, 2, 3, 7, 8
B	RETURN	14"ø	24 X 24	80	1, 2, 3, 5
C	SUPPLY	8"ø	12 X 12	ASCD	1, 2, 4, 7, 8
D	SUPPLY	-	24 X 6	XG-RL	2, 4, 5, 6, 9
E	EXHAUST	8"ø	12 X 12	ASCD	1, 2, 4, 7, 8
F	RETURN	-	60 X 30	80	1, 2, 4, 5
G	RETURN	-	40 X 16	80	1, 2, 4, 5
KS	SUPPLY	12"ø	24 X 24	APDF	1, 2, 3, 7, 8
KR	RETURN	16"ø	24 X 24	80	1, 2, 3, 5

- MODEL BASED ON PRICE AIR DISTRIBUTION; METALAIR OR APPROVED EQUAL ACCEPTABLE.
- ALUMINUM CONSTRUCTION, COORDINATE WITH ARCHITECT FOR FINISH.
- T-BAR LAY-IN PANEL.
- SURFACE MOUNT BORDER.
- CFM SHOWN IN GRILLE TAG IS MAXIMUM POSSIBLE WITH EXHAUST AND OUTSIDE AIR AT 0.
- DOUBLE DEFLECTION GRILLE.
- SQUARE FACE, ROUND NECK DIFFUSER.
- BUTTERFLY STYLE VOLUME CONTROL DAMPER.
- MODEL BASED ON GREENHECK; METALAIR OR APPROVED EQUAL ACCEPTABLE.

EXHAUST FAN SCHEDULE									
TAG	CFM	RPM	S.P. IN W.G	WATTS/HP	SONES	ELECTRIC	CONTROL	MANUF. MODEL NUMBER	DESCRIPTION & ACCESSORIES
EF-1	75	700	0.25	50 W	3.0	120V-1ø-60	WIRED WITH LIGHT	GREENHECK SP-B90	1,2,3
EF-2	400	1070	0.25	218 W	2.0	120V-1ø-60	CONTINUOUS WHEN OCC.	GREENHECK CSP-A510	4
EF-3	800	895	0.25	318 W	0.3	120V-1ø-60	CONTINUOUS WHEN OCC.	GREENHECK CSP-A900	4

- CABINET CEILING FAN, DIRECT DRIVE, CENTRIFUGAL, SPRING LOADED ALUMINUM BACKDRAFT DAMPER.
- ALUMINUM, WHITE ENAMEL CEILING GRILLE.
- ALUMINUM HOODED WALL CAP WITH BUILT-IN BIRDSCREEN AND DAMPER.
- WALL MOUNTED EXHAUST FAN.
ALTERNATE BY PENNBARRY ACCEPTABLE.

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT	
METHOD OF COMPLIANCE	
Prescriptive	Energy Cost Budget
Thermal Zone	3A
Exterior design conditions	
winter dry bulb	26° F
summer dry bulb	92° F DB/76° F WB
Interior design conditions	
winter dry bulb	70° F
summer dry bulb	75° F
relative humidity	50%
Building heating load	671 MBTU/H
Building cooling load	128 TONS
Mechanical Spacing Conditioning System	
Unitary	
description of unit	
heating efficiency	9.0 HSPF
cooling efficiency	15.0 SEER AVG.
heat output of unit	SEE SCHEDULES
cooling output of unit	SEE SCHEDULES
boiler	
total boiler output	If oversized, state reason.
chiller	
total chiller capacity	If oversized, state reason.
List equipment efficiencies	N/A
Equipment schedules with motors (mechanical systems)	
motor horsepower	SEE SCHEDULES
number of phases	SEE SCHEDULES
minimum efficiency	SEE SCHEDULES
motor type	ODP
# of poles	4
Additional prescriptive compliance method	C406.2.1 More Eff. Mech Equip.
DESIGNER STATEMENT:	
To the best of my knowledge and belief, the design of this building complies with the mechanical systems, service systems and equipment of the 2018 North Carolina State Energy Code.	
SIGNED:	
NAME:	STEVEN H. EVERHART JR., P.E.
TITLE:	PROFESSIONAL ENGINEER

GENERAL MECHANICAL SPECIFICATIONS

ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE NC MECHANICAL CODE.

BASIS OF DESIGN: UNLESS OTHERWISE NOTED THE PURPOSE OF THESE DRAWINGS IS TO PROVIDE DIRECTION ON BASIS OF DESIGN TO A COMPETENT CONTRACTOR FAMILIAR WITH THE TYPE OF SYSTEMS BEING INSTALLED SUFFICIENT TO INDICATE OWNERS REQUESTS AND CODE REQUIREMENTS. IT IS THE CONTRACTORS RESPONSIBILITY, WHEN OTHERWISE UNDIRECTED, TO FOLLOW STANDARD INDUSTRY PRACTICES AND BASIC CODE COMPLIANCE INCLUDING, BUT NOT LIMITED TO, PROVIDING MATCHING REQUIRED ACCESSORIES TO THE SYSTEMS INDICATED, COORDINATING EXACT ROUTINGS AND LOCATIONS WITH OTHER TRADES AND THE OWNER, SELECTING CODE APPROVED MATERIALS, AND MAKING MINOR OFFSETS/ADJUSTMENTS BASED ON FIELD COORDINATION AND OWNER'S FIELD REQUESTS. CHANGE OF MANUFACTURER TO EQUIVALENT SYSTEMS, WITH OWNER'S APPROVAL, IS ACCEPTABLE. CONTACT ENGINEER WITH ANY CONFLICTS NOT COVERED BY THE ABOVE INSTRUCTIONS.

SHEET METAL WORK: THIS CONTRACTOR SHALL FURNISH ALL DUCTWORK AND ASSOCIATED SHEET METAL WORK AS CALLED FOR ON THE DRAWINGS AND REQUIRED FOR A COMPLETE DUCTED AIR DISTRIBUTION SYSTEM.

DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH BEST PRACTICES OF SHEET METAL WORK AND SMACNA STANDARDS.

ALL DUCTWORK SHALL BE GALVANIZED SHEET IRON THROUGHOUT EXCEPT WHERE OTHERWISE SHOWN AND FABRICATED IN ACCORDANCE WITH THE FOLLOWING TABLE (ALL DUCT SIZES ON CONTRACT DRAWINGS ARE SHEET METAL FABRICATION SIZES):

MAXIMUM DIMENSION OF DUCT	GAUGE U.S. STD.	TRANSVERSE JOINT	BRACING
UP TO 12"	26	DRIVE SLIPS 7"-10" CENTERS	NONE
13" TO 30"	24	DRIVE SLIPS 7"-10" CENTERS	1"x1"x1/8" ANGLES 4 FEET FROM JOINT

DUCTS 25 INCHES OR SMALLER IN MAXIMUM DIMENSION SHALL BE SUPPORTED WITH 1 INCH FLAT BAND HANGERS; DUCTS 25 INCHES AND LARGER SHALL BE SUPPORTED BY 3/4 INCH X 1-1/2 INCH ANGLE IRON AND ROUND ROD. SUPPORTS SHALL BE NOT MORE THAN 8 FEET ON CENTERS, PROPERLY FASTENED AND PLACED TO BUILDING STRUCTURES AND SHALL EXTEND AND BE RIVETED TO THE BOTTOM OF DUCTS.

UNLESS OTHERWISE SPECIFIED, FURNISH AND INSTALL ALL NECESSARY LINTELS, PROPERLY SIZED, SHEET METAL SLEEVES AND ESCUTCHEON COLLARS WHERE DUCTWORK RISES THROUGH FLOORS OR PASSES THROUGH WALLS OR CEILINGS.

FURNISH AND INSTALL FLEXIBLE COLLARS IN THE DUCTWORK CONNECTIONS TO AIR HANDLING FANS TO PREVENT NOISE TRANSMISSION BETWEEN SECTIONS.

ALL CHANGES IN DUCT DIRECTION SHALL BE LONG RADIUS ELBOWS OR SHALL BE FITTED WITH TURNING VANES. IT IS ACCEPTABLE TO CHANGE RECTANGULAR DUCTWORK TO THE EQUIVALENT SIZE IN ROUND PROVIDED THE CONTRACTOR COORDINATES ALL CLEARANCE ISSUES.

DUCT INSULATION: ALL CONCEALED DUCTWORK SHALL BE INSULATED ON THE OUTSIDE WITH TWO INCH (2") THICK, 3/4 POUND DENSITY FIBERGLASS BLANKET INSULATION HAVING AN ALUMINUM FOIL-SCRIM VAPOR BARRIER JACKET. EXPOSED DUCTWORK SHOWN ROUND SHALL BE DOUBLE WALL SPIRAL UNLESS OWNER SPECIFICALLY ALLOWS FOR POTENTIAL SWEATING ISSUES.

EDGES OF INSULATION SHALL BE CUT STRAIGHT AND TRUE AND SHALL BE TIGHTLY BUTTED. THE VAPOR BARRIER JACKET SHALL OVERLAP THE BLANKET JOINT A MINIMUM OF THREE INCHES (3"). THE JACKET LAP SHALL BE FASTENED WITH MOISTURE RESISTANT ADHESIVE AND ALSO OUTWARD CLINCHING STAPLES SPACED TEN INCHES (10") C/C. THE VAPOR BARRIER EDGE AND STAPLES SHALL THEN BE COVERED WITH A THREE INCH (3") WIDE TAPE OF THE SAME MATERIAL AS THE JACKET AND SHALL BE FASTENED WITH MOISTURE RESISTANT ADHESIVE.

ALL CUTS, TEARS AND PENETRATIONS IN THE VAPOR BARRIER JACKET SHALL BE SEALED WITH JOINT TAPE. ALL EDGES OF INSULATING BLANKET SHALL BE SEALED FROM THE JACKET TO DUCT SURFACE WITH TAPE.

INSULATING BLANKET ON THE BOTTOM OF SURFACES IN EXCESS OF 24 INCHES WIDE SHALL BE SECURED AGAINST THE DUCT WITH ADHESIVE OVER THE ENTIRE AREA, MECHANICAL CLIPS ON 24 INCH CENTER OR BY WIRE TIES AROUND THE DUCT SPACED 24 INCHES C/C.

CONTRACTOR MAY USE FLEXIBLE DUCTWORK (MAXIMUM LENGTHS 15'-0") FOR FINAL CONNECTIONS TO DIFFUSERS/GRILLES. FLEXIBLE DUCTWORK SHALL BE CERTIFLEX 25 AS MANUFACTURED BY THE CERTAINTEE CORPORATION.

REGISTERS AND GRILLES: ALL REGISTERS AND GRILLES SHALL BE OF SIZE, STYLE AND CAPACITY CALLED FOR ON PLANS AND IN THE GRILLE SCHEDULE. PROVIDE RUBBER OR EXPANDED FOAM GASKETS COMPLETELY AROUND ALL REGISTER AND GRILLE FRAMES TO PREVENT AIR LEAKAGE BETWEEN GRILLE FRAME AND DUCT OR BETWEEN GRILLE FRAME AND SURROUNDING FINISHED SURFACE. ACCEPTABLE MFGS: PRICE, CARNES, METALAIR, KRUGER.

EQUIPMENT: MECHANICAL AND ELECTRICAL CONTRACTORS SHALL COORDINATE PRIOR TO ORDERING EQUIPMENT TO VERIFY CONSISTANT VOLTAGES. PRIOR TO EQUIPMENT BEING ENERGIZED, VOLTAGE TO EQUIPMENT CIRCUITS SHALL BE VERIFIED AS INSTALLED TO MATCH EQUIPMENT NAMEPLATE.

OPERATING INSTRUCTIONS, CERTIFICATES AND WARRANTIES: THE ORIGINAL OF ALL INSPECTION CERTIFICATES SHALL BE DELIVERED TO THE OWNER AND ONE (1) COPY EACH TO THE ENGINEER PRIOR TO REQUEST FOR FINAL PAYMENT.

THREE (3) COPIES OF OPERATING AND MAINTENANCE INSTRUCTIONS AND MANUFACTURER'S WARRANTIES FOR ALL EQUIPMENT PROVIDED UNDER THIS CONTRACT SHALL BE PROVIDED TO THE OWNER PRIOR TO SUBMITTING REQUEST FOR FINAL PAYMENT.

PRIOR TO FINAL PAYMENT TO THE CONTRACT, THE CONTRACTOR SHALL BE RESPONSIBLE TO TRAIN THE AUTHORIZED PERSONNEL ON HOW TO SERVICE, START-UP AND SHUT-DOWN THE VARIOUS SECTIONS OF THE SYSTEM. UPON COMPLETION OF THIS PHASE OF THE CONTRACT, THE CONTRACTOR SHALL SECURE A LETTER OF ACCEPTANCE FROM THE OWNER THAT HE IS SATISFIED WITH THE CONDITIONS STIPULATED HEREIN. UPON ACCEPTANCE OF THIS LETTER AND AT THE DISCRETION OF THE ENGINEER, THE FINAL PAYMENT WILL BE MADE.

THE CONTRACTOR SHALL PROVIDE A WRITTEN GUARANTEE OF ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM DATE OF SYSTEM ACCEPTANCE.

THE WORK UNDER THIS CONTRACT WILL BE ACCEPTED ONLY AS AN ENTIRE SYSTEM UPON SATISFACTORY COMPLETION OF THE REQUIRED TESTS. NO PARTIAL ACCEPTANCE OF ANY PART OR PORTION OF APPARATUS WILL BE MADE.

INSTALL AND CONNECT ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND DO ALL WORK IN A NEAT AND WORKMANLIKE MANNER AND IN ACCORDANCE WITH ACCEPTED GOOD PRACTICE AS JUDGED BY THE ENGINEER.

ALL EQUIPMENT AND PIPING SHALL BE SO INSTALLED THAT NO OBJECTIONABLE NOISES FROM EQUIPMENT, PIPING OR AIR DISTRIBUTION ARE AUDIBLE IN THE FINISHED AREAS.

GUARANTEE: THIS CONTRACTOR SHALL GUARANTEE ALL MATERIALS, EQUIPMENT AND WORKMANSHIP FOR ONE (1) YEAR FOLLOWING FINAL INSPECTION AND ACCEPTANCE OF THE BUILDING BY THE ENGINEER AND OWNER. THIS APPLIES TO ALL MATERIALS AND EQUIPMENT INSTALLED UNDER THIS CONTRACT, REGARDLESS OF SOURCE.

THE ONE (1) YEAR GUARANTEE PERIOD WILL START ON THE DAY OF FINAL INSPECTION AND ACCEPTANCE BY THE OWNER. THE CONTRACTOR SHALL PROVIDE THE ENGINEER A LETTER WITH TWO (2) COPIES STATING THE BEGINNING AND ENDING DATES OF THE GUARANTEE BASED ON THE AFOREMENTIONED STARTING DATES.

EXTENDED GUARANTEE: PROVIDE AN ADDITIONAL FOUR (4) YEAR GUARANTEE ON ALL COMPRESSORS BEYOND THE ABOVE MENTIONED ONE (1) YEAR GUARANTEE PERIOD.

AIR BALANCE: ALL SYSTEMS SHALL BE BALANCED BY THE CONTRACTOR PER THE REQUIREMENTS OF SECTION 408.2.2.1 OF THE NORTH CAROLINA STATE BUILDING CODE; ENERGY CONSERVATION CODE.

ENERGY CODE COMPLIANCE: HVAC EQUIPMENT SELECTED MEETS PERFORMANCE REQUIREMENTS OF THE NORTH CAROLINA STATE BUILDING CODE; ENERGY CONSERVATION CODE SECTION 406.2. ANY SUBSTITUTIONS MUST MEET THIS STANDARD AS WELL. UPON FINAL INSPECTION THE CONTRACTOR SHALL PROVIDE TO OWNER MANUALS AND EVIDENCE OF AIR BALANCE. CONTRACTOR SHALL SCHEDULE DESIGN PROFESSIONAL AND ASSIST TO COMPLETE SYSTEM INSTALLATION STATEMENT IN ACCORDANCE WITH THE NORTH CAROLINA STATE BUILDING CODE; ENERGY CONSERVATION CODE SECTION 408.1.



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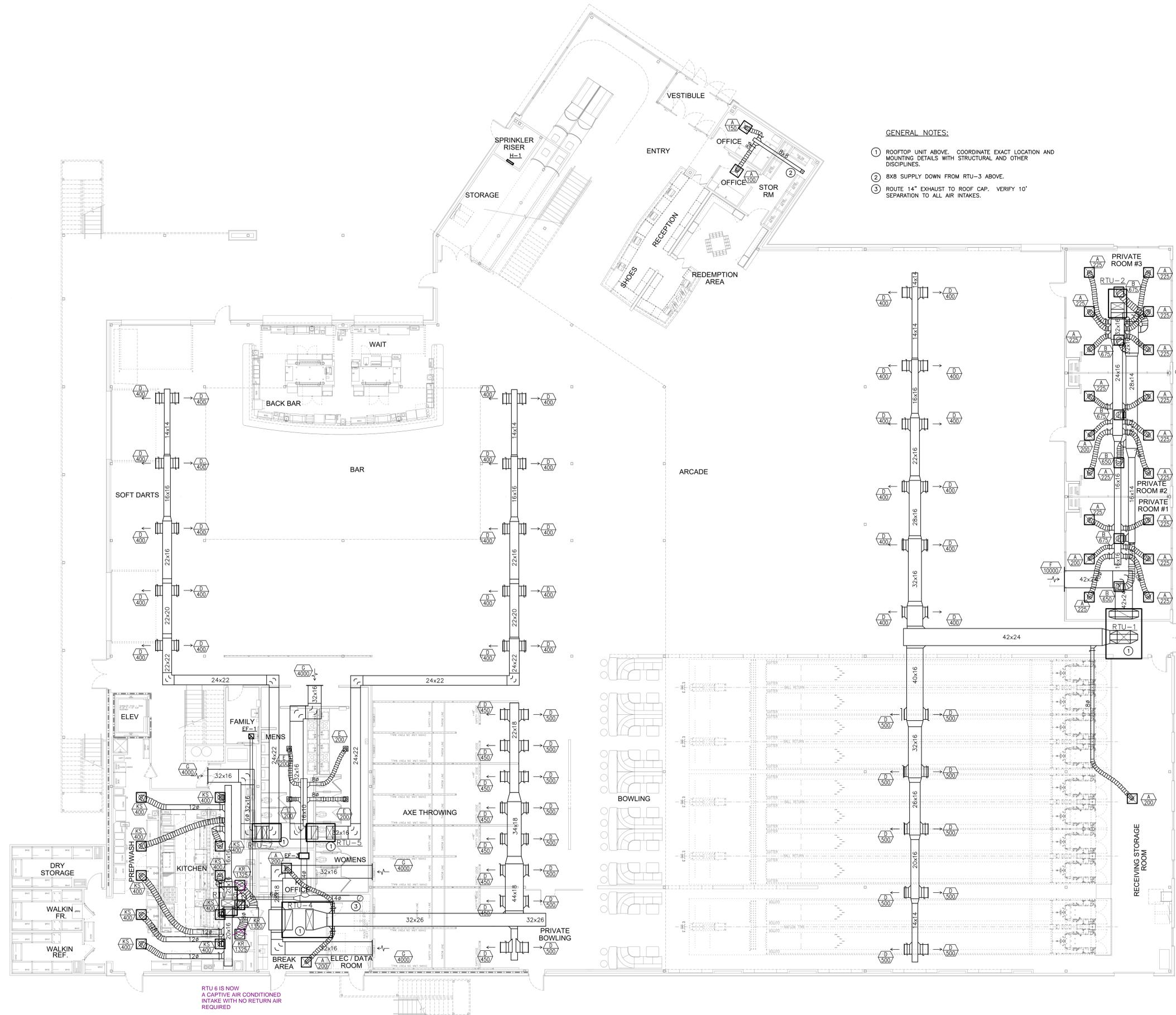
STRIKES
ENTERTAINMENT
COMPLEX

5601 Oleander Drive
WILMINGTON, NC
28403

Date 10-31-25 Scale As Noted
Drawn Job
Sheet

M1.1

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- GENERAL NOTES:**
- 1 ROOFTOP UNIT ABOVE. COORDINATE EXACT LOCATION AND MOUNTING DETAILS WITH STRUCTURAL AND OTHER DISCIPLINES.
 - 2 8X8 SUPPLY DOWN FROM RTU-3 ABOVE.
 - 3 ROUTE 14" EXHAUST TO ROOF CAP. VERIFY 10' SEPARATION TO ALL AIR INTAKES.

RTU 6 IS NOW A CAPTIVE AIR CONDITIONED INTAKE WITH NO RETURN AIR REQUIRED

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



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TEL (910) 270-5747
NC LICENSE NO. C-2546
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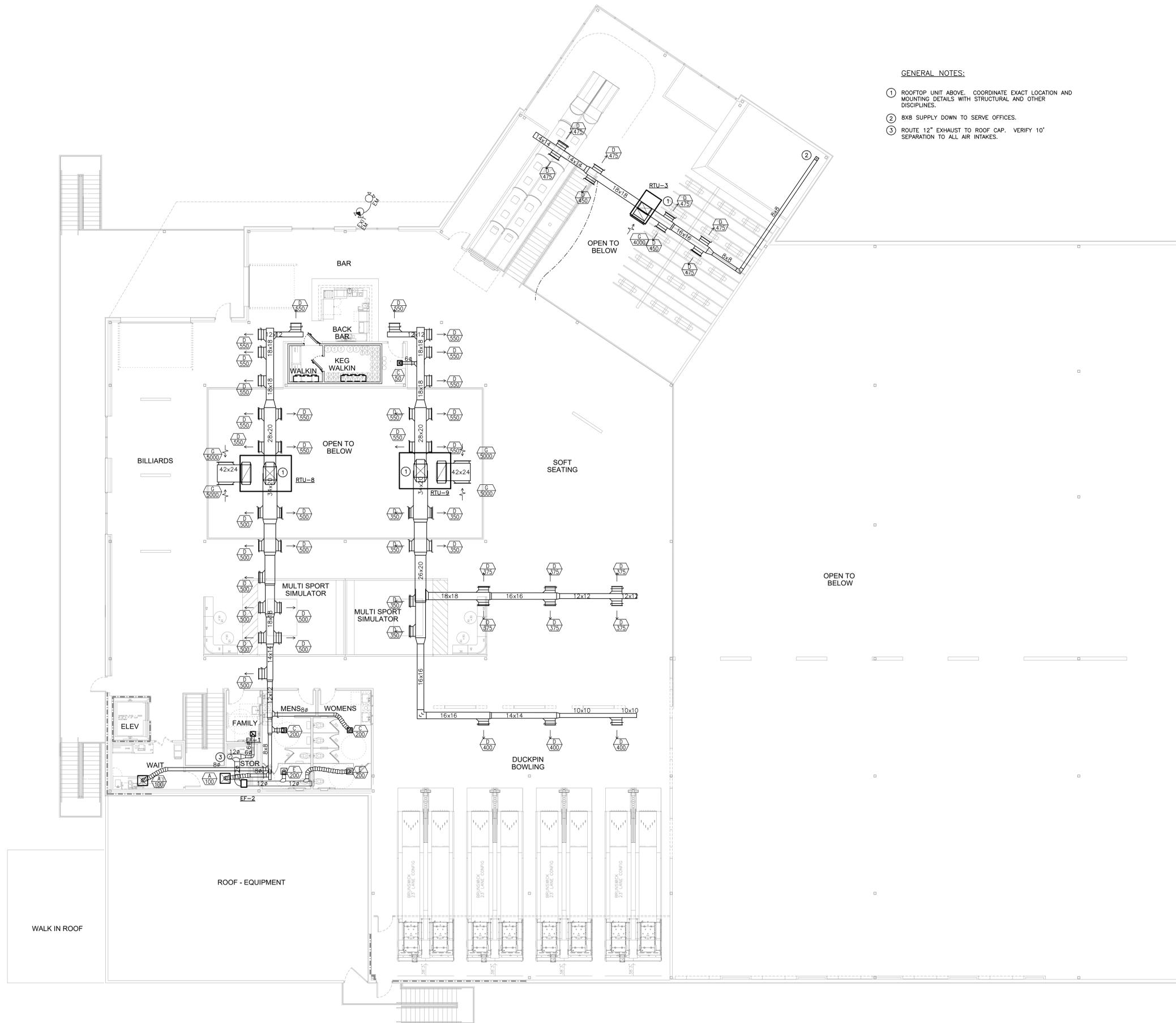
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STRIKES ENTERTAINMENT COMPLEX
5601 Oleander Drive
WILMINGTON, NC
28403

Date 11-14-25 Scale As Noted
Drawn Job
Sheet

M2.1

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- GENERAL NOTES:
- ① ROOFTOP UNIT ABOVE. COORDINATE EXACT LOCATION AND MOUNTING DETAILS WITH STRUCTURAL AND OTHER DISCIPLINES.
 - ② 8x8 SUPPLY DOWN TO SERVE OFFICES.
 - ③ ROUTE 12" EXHAUST TO ROOF CAP. VERIFY 10' SEPARATION TO ALL AIR INTAKES.

① MEZZANINE FLOOR PLAN – MECHANICAL
SCALE: 1/8"=1'-0"



Custom Homes,
Destination Retail Environments
and Site Planning

Wilmington
North Carolina

Ph 910
409-5304



NOT FOR CONSTRUCTION
11/14/25

ALL FEDERAL, STATE, AND LOCAL
CODES, ORDINANCES, REGULATIONS
ETC. SHALL BE CONSIDERED AS PART
OF SPECIFICATIONS FOR THIS BUILDING
AND SHALL TAKE PREFERENCE OVER
ANYTHING SHOWN, DESCRIBED, OR
IMPLIED WHERE SAME ARE AT VARIANCE

STRIKES
ENTERTAINMENT
COMPLEX

5601 Oleander Drive
WILMINGTON, NC
28403

Date 11-14-25 Scale As Noted
Drawn Job
Sheet

M2.2

NOT FOR CONSTRUCTION

DETAILED ELECTRICAL SPECIFICATIONS

SCOPE: FURNISH ALL MATERIALS, LABOR, TOOLS, EQUIPMENT AND SUPERVISION NECESSARY TO INSTALL COMPLETE ELECTRICAL POWER AND LIGHTING SYSTEM IN THE BUILDING AS FURTHER DESCRIBED ON THE ELECTRICAL CONTRACT DRAWINGS.

SUPPLY ALL MATERIALS, FITTINGS AND HARDWARE NECESSARY FOR COMPLETE OPERATING SYSTEMS WITHIN THE OBVIOUS INTENT OF THE DRAWINGS. NO ATTEMPT HAS BEEN MADE TO DETAIL OR LIST EACH AND EVERY ITEM OF MATERIAL. THE ELECTRICAL CONTRACTOR IS CAUTIONED TO READ THE ENTIRE PROJECT DRAWINGS AND SPECIFICATIONS TO ASSURE HIMSELF OF A THOROUGH KNOWLEDGE OF BUILDING CONSTRUCTION, STRUCTURAL RESTRICTIONS TO ELECTRICAL CONTRACT WORK AND TO ASSURE THAT NO REFERENCE ANYWHERE IN THE PROJECT DRAWINGS AND SPECIFICATIONS TO WORK BY THE ELECTRICAL CONTRACTOR IS OVERLOOKED.

CODES, PERMITS AND INSPECTIONS: THE LATEST EDITION OF THE STATE BUILDING CODE WHICH INCLUDES THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE IS HEREBY MADE A PART OF THIS SPECIFICATION. CODE REQUIREMENTS SHALL TAKE PRECEDENCE OVER THESE SPECIFICATIONS WHERE THE CODE REQUIREMENTS EXCEED THAT OF THE SPECIFICATIONS. HOWEVER, THE SPECIFICATIONS SHALL BE FOLLOWED WHERE THEY EXCEED CODE REQUIREMENTS. THE ELECTRICAL CONTRACTOR SHALL, AT NO ADDITIONAL COST TO THE OWNER, OBTAIN THE SERVICES OF THE LOCAL ELECTRICAL INSPECTOR TO MAKE ALL REQUIRED DURING CONSTRUCTION AND COMPLETED ELECTRICAL SYSTEM INSPECTIONS.

MATERIALS AND WORKMANSHIP: ALL MATERIAL BUILT INTO THIS PROJECT SHALL BE NEW OF EQUIVALENT OR BETTER QUALITY THAN THAT SPECIFIED. SPECIFIC NAMES AND CATALOG NUMBERS USED HEREIN ARE TO ESTABLISH THE ITEM FUNCTION, ARRANGEMENT AND QUALITY REQUIRED AND ARE NOT INTENDED TO RESTRICT COMPETITION. ALL MATERIALS SHALL BE UL LISTED AND LABELED FOR THE PARTICULAR APPLICATION AS USED ON THIS PROJECT.

CONDUCTORS: WITH THE EXCEPTION OF ALUMINUM SERVICE ENTRANCE CONDUCTORS, ALL CONDUCTORS SHALL BE COPPER (#10 AWG AND SMALLER SHALL BE SOLID, AND #8 AWG AND LARGER STRANDED) WITH THHN/THWN INSULATION, INSTALLED IN CONDUIT (PANEL FEEDERS, SERVICE). USE MC CABLE FOR CONCEALED BRANCH CIRCUIT WIRING. NM CABLE SHALL NOT BE USED. CONDUCTORS SHALL BE #12 AWG MINIMUM EXCEPT WITHIN LIGHT FIXTURES, LOW VOLTAGE CONTROLS OR COMMUNICATION/FIRE ALARM EQUIPMENT. CONDUCTOR COLOR CODE SHALL CONFORM TO THE NEC. CONDUCTORS SHALL BE CONTINUOUS FROM TERMINAL TO TERMINAL, OR PULL BOX TO PULL BOX. JOINTS SHALL BE MADE WITH IDEAL "WIRENUTS."

RACEWAYS: RACEWAYS SHALL BE ELECTRICAL METALLIC TUBING (EMT) WITH THREADED STEEL HEXAGONAL COMPRESSION FITTINGS - NEITHER INDENTOR TYPE OR DIE METAL FITTING WILL BE ACCEPTED. CONDUIT UNDER THE FLOOR SLAB AND UNDER GROUND OUTSIDE THE BUILDING MAY BE PVC. FITTINGS IN EMT SHALL BE WEATHER TIGHT (THOMAS AND BETTS SERIES #5123 WITH NYLON INSULATED THROATS), BENDS SHALL BE FACTORY FABRICATED OR MADE "COLD" WITH BENDING TOOL, FREE OF KINKS OR RESTRICTIONS. NO SINGLE BEND SHALL BE IN EXCESS OF 90 DEGREES. THERE SHALL BE NO MORE THAN THE EQUIVALENT OF THREE (3) 90 DEGREE BENDS IN A GIVEN RACEWAY FROM PULL BOX TO PULL BOX. RIGID RACEWAY THREADS SHALL BE CUT STRAIGHT AND TRUE - PIPE ENDS SHALL BE REAMED AND SMOOTHED INSIDE AND OUT.

SUPPORT: 1-1/2 INCH AND LARGER CONDUIT 10 FEET O/C OR LESS, AND 1 INCH AND SMALLER 6 FEET O/C MAXIMUM. RACEWAYS SHALL BE SUPPORTED DIRECTLY FROM BUILDING STRUCTURE WITH BOLTS, SCREWS, STRAPS, HANGER RODS AND BRACKETS. ALL METALLIC HARDWARE SHALL BE GALVANIZED OR CADMIUM PLATED. NAILS, WIRE AND/OR PERFORATED STRAPS WILL NOT BE ACCEPTED.

USE THREADED LOCKNUTS OUTSIDE AND THREADED LOCKNUT AND BUSHING INSIDE ALL RACEWAY CONNECTIONS TO BOXES, DEVICES, PANELS AND GUTTERS. USE NON-METALLIC BUSHINGS ON ALL 1-1/4 INCH AND LARGER CONDUIT. EXPOSED CONDUIT SHALL BE RUN STRAIGHT AND TRUE PARALLEL AND PERPENDICULAR TO PRIMARY BUILDING LINES.

BOXES AND DEVICES: ALL BOXES, PANELS AND EQUIPMENT SHALL BE SUPPORTED DIRECTLY FROM THE BUILDING STRUCTURE AND SHALL NOT DEPEND ON THE FEEDER RACEWAYS FOR SUPPORT. ALL ITEMS SHALL BE CAREFULLY ALIGNED SO THAT COVERS WILL FINISH FLUSH AND STRAIGHT. ALL UNUSED KNOCKOUTS SHALL BE CLOSED WITH BLANKING DEVICES. BOXES IN CONCRETE OR MASONRY SHALL BE 3-1/2 INCH DEEP (MINIMUM) SQUARE 16 GAUGE GALVANIZED STEEL - STEEL CITY SERIES GW. BOXES INSTALLED IN PARTITIONS SHALL BE STEEL CITY 3-1/2 INCH DEEP GANGLABLE SQUARE CORNER TYPE. DEVICES SHALL BE COMMERCIAL SPECIFICATION GRADE. DEVICES ON NORMAL PWR SHALL BE WHITE, ON GENERATOR SHALL BE RED AND ON UPS SHALL BE GRAY. PLATES SHALL BE IMPACT RESISTANT TO MATCH DEVICE FINISHES EXCEPT PROVIDE STAINLESS STEEL PLATES IN FOOD SERVICE AREAS.

PULL BOXES SHALL BE 14 GAUGE GALVANIZED STEEL WITH BLANK COVER SIZED AS REQUIRED BY NATIONAL ELECTRICAL CODE. LOCATE DEVICES AND EQUIPMENT ABOVE FINISHED FLOOR AS FOLLOWS UNLESS OTHERWISE SPECIFICALLY NOTED ON PLANS:

WALL SWITCHES - 4"-0" OR TO NEAREST MASONRY COURSE JOINT.
RECEPTACLES - 1"-0" OR TO NEAREST MASONRY COURSE JOINT.
LIGHT FIXTURES - AS NOTED ON FIXTURE SCHEDULE.

GROUNDING: THE ELECTRICAL SYSTEM AND ALL ELECTRICAL EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH ARTICLE 250 OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE. EQUIPMENT GROUND WIRE SHALL BE USED WITH ALL FEEDERS AND BRANCH CIRCUITS.

LIGHTING FIXTURES: LIGHTING FIXTURES AND LAMPS SHALL BE PROVIDED AND INSTALLED AS PER SCHEDULE. ALL FIXTURES SHALL BE CLEANED ON COMPLETION OF INSTALLATION.

TESTS: THE CONTRACTOR SHALL MEGGER ALL BUSWAYS, CABLES AND CONTROL CONNECTIONS TO SHOW INSULATION RESISTANCE IS OF ACCEPTABLE VALUE.

PANELBOARDS: PROVIDE PANELBOARDS RATED AND SIZED AS INDICATED IN THE SCHEDULE AND SHOWN ON THE PLANS EQUAL TO EATON PRL1A AND PRL4B (MDP). PRL1A SHALL BE MAX 20" WIDE WITH NUMBER OF BREAKERS/SPACES SHOWN.

ACCEPTABLE MANUFACTURERS: EATON, SQUARE D, GENERAL ELECTRIC, SIEMENS

SAFETY SWITCHES: SWITCHES SHALL BE EQUAL TO SQUARE D TYPE GD WITH RATINGS AND FUSING PROVISIONS AS INDICATED EXCEPT PROVIDE HD SWITCHES FOR ELEVATOR MACHINE AND ELEVATOR CAR LG/RECS.

IDENTIFICATION AND NAMEPLATES: PROVIDE ENGRAVED, LAMINATED BAKELITE (WHITE LETTERS ON BLACK SURFACE) NAMEPLATES SCREWED TO EACH PIECE OF ELECTRICAL DISTRIBUTION EQUIPMENT AS FOLLOWS:

A. PANELBOARDS, SWITCHBOARDS - DESIGNATION L1, P1, ETC., VOLTAGE, PHASE NUMBER OF WIRES, ETC.; WORDING EXAMPLE: PANEL L1-208V-3 PHASE, 4 WIRE.

B. MOTOR STARTERS, DISCONNECT SWITCHES - UNLESS MOUNTED DIRECTLY ON OR ADJACENT TO IDENTIFY EQUIPMENT; WORDING EXAMPLE: EXHAUST FAN 1, MAKE-UP AIR UNIT.

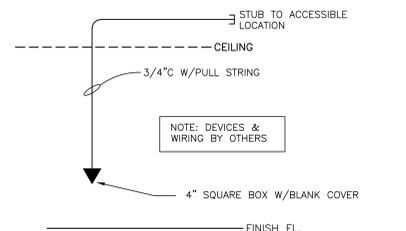
PROVIDE TYPED DIRECTORIES FOR PANELBOARD BRANCH CIRCUIT IDENTIFICATION. IDENTIFY EACH CIRCUIT BREAKER AS TO THE EXACT ROOM NUMBERS OR AREA SERVED AND THE TYPE OF CIRCUIT, I.E. "ROOMS 101-104 LIGHTS" OR "CAFETERIA EXHAUST FAN".

EQUIPMENT CONNECTIONS: THIS CONTRACTOR SHALL BRING ALL REQUIRED ELECTRICAL SERVICE TO ALL EQUIPMENT ITEMS FURNISHED UNDER OTHER SECTIONS OF THESE SPECIFICATIONS OR BY THE OWNER, MAKE FINAL CONNECTIONS, AND LEAVE EQUIPMENT READY FOR OPERATION. THIS CONTRACTOR SHALL COORDINATE WITH ANY AFFECTED TRADE TO ASSURE CORRECT OPERATION OF THE EQUIPMENT ITEM.

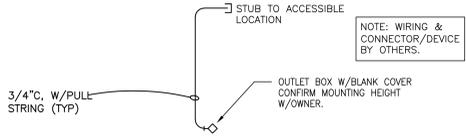
CONTROL AND INTERLOCK WIRING: EXCEPT AS OTHERWISE INDICATED ON THE DRAWINGS, ALL CONTROL AND INTERLOCK WIRING SHALL BE PERFORMED BY THE RESPECTIVE CONTRACTORS.

THE ELECTRICAL SUBCONTRACTOR SHALL INSTALL ALL STARTERS, PILOT SWITCHES, CONTROL DEVICES AND MISCELLANEOUS ITEMS OF ELECTRICAL EQUIPMENT FURNISHED UNDER OTHER SECTIONS OF THESE SPECIFICATIONS THAT ARE NOT INTERNALLY OWNED WITH THE ASSOCIATED EQUIPMENT. THE CONTRACTOR SHALL COORDINATE SERVICE WITH THE UTILITY COMPANY. PROVIDE CONCRETE PAD FOR UTILITY TRANSFORMER. PROVIDE UTILITY REQUIRED METERING PROVISIONS. PROVIDE CONDUIT FOR UTILITY IF REQUIRED. EC SHALL WORK DIRECTLY WITH THE UTILITY AND SHALL COMPLETE AND SUBMIT ALL LOAD DATA SHEETS REQUIRED FOR SERVICE APPLICATION.

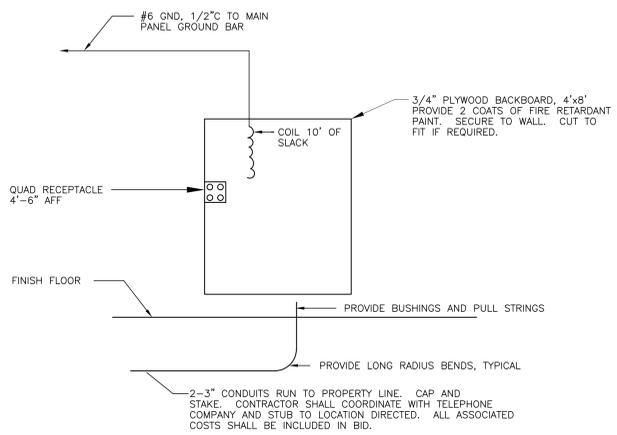
SUBMITTALS: SHOP DRAWING SUBMITTALS WILL BE REQUIRED FOR THIS PROJECT. SUBMIT ELECTRONICALLY ALL MAJOR SPECIFIED EQUIPMENT TO THE ENGINEER FOR APPROVAL. IT IS UNDERSTOOD THAT PROOF OF EQUALITY IS THE RESPONSIBILITY OF THE CONTRACTOR AND/OR SUPPLIER AND THAT IT IS NOT THE RESPONSIBILITY OF THE ENGINEER TO PROVE THE INEQUALITY OF THE PROPOSED SUBSTITUTIONS. FURTHERMORE THE DECISION OF THE ENGINEER IS FINAL. SHOULD ANY SUBSTITUTE ITEMS BE SUBMITTED AND DISAPPROVED, THEN THOSE ITEMS MUST BE FURNISHED THE ENGINEER'S REVIEW OF SHOP DRAWINGS AND/OR SUBMITTAL DATA SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR DEVIATIONS FROM THE CONTRACT DRAWINGS OR SPECIFICATIONS.



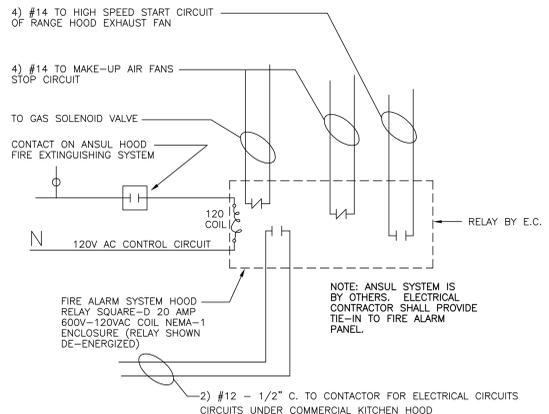
TYPICAL DATA/COMM OUTLET
NTS



TYPICAL VIDEO OUTLET
NTS



TELEPHONE SERVICE DETAIL
NTS



RANGE HOOD RELAY CONNECTION
NTS

ELECTRICAL SUMMARY
ELECTRICAL SYSTEM AND EQUIPMENT
METHOD OF COMPLIANCE:
Energy Code: Prescriptive Performance

Lighting schedule
Lamp type required in fixture See Fixture Schedule
number of lamps in fixture See Fixture Schedule
ballast type used in the fixture See Fixture Schedule
number of ballasts in fixture See Fixture Schedule
total wattage per fixture See Fixture Schedule
total interior wattage specified vs allowed 31,490/42,723
total exterior wattage specified vs allowed 1960/2120

Additional Efficiency Package Options
 C406.2 More Efficient HVAC Equipment Performance
 C406.3 Reduced Lighting Power Density
 C406.4 Enhanced Digital Lighting Controls
 C406.5 On-Site Renewable Energy
 C406.6 Dedicated Outdoor Air System
 C406.7 Reduced Energy Use in Service Water Heating
 N/A EXISTING/RENOVATION

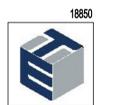
DESIGNER STATEMENT:
To the best of my knowledge and belief, the design of this building complies with the requirements of Section 406.5 of the 2015 North Carolina State Energy Code.
SIGNED: *Gregory McDowell*
NAME: Gregory McDowell
TITLE: Professional Engineer

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
---	CONDUIT
----	CONDUIT UNDERFLOOR OR UNDERGROUND
↗	ARROW INDICATES HOMERUN, TICKMARKS: NEUTRAL, PHASE, GND.
☐	POWER PANEL
▽	DATA/COMM OUTLET
⊕	JUNCTION BOX
⊗	DISCONNECT SWITCH; FUSED; NONFUSED
⊖	MOTOR
○	LIGHT FIXTURE
AFF	ABOVE FINISHED FLOOR
⊕	DUPLEX RECEPT, ABOVE COUNTER
⊕ WP, ⊕ GFI	WEATHERPROOF, GROUND FAULT
⊕	QUAD-PLEX RECEPTACLE
⊕	SPECIAL RECEPTACLE AS NOTED
⊕	DUPLEX RECEPT VIDEO OUTLET HEIGHT
⊕	VIDEO OUTLET. VERIFY HEIGHT
⊕ ₂	FLUSH FLOOR OUTLET W/TWO DUPLEX RECS PROVIDE HEAVY DUTY COVER APPROVED BY OWNER
⊕	FLUSH FLOOR OUTLET W/DUPLEX RECEPT PROVIDE HEAVY DUTY COVER APPROVED BY OWNER

SEE LIGHTING PLANS FOR ADDITIONAL SYMBOLS



Custom Homes,
Destination Retail Environments
and Site Planning
Wilmington
North Carolina
Ph 910
409-5304



TOPSAIL ENGINEERING, INC.
P.O. BOX 367
HAMPSHIRE, NC 28443
TEL (910) 270-3747
NC LICENSE NO. C-2546
office@topsailengineering.com

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10/31/25

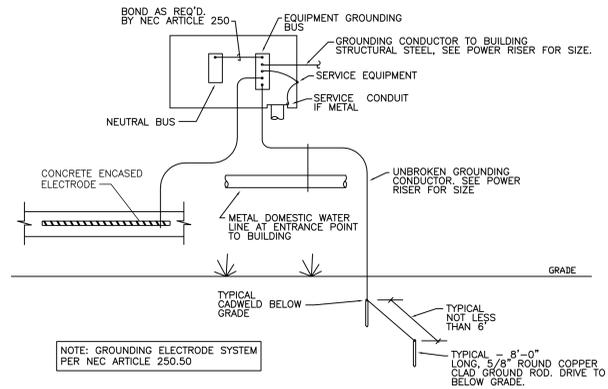
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STRIKES
ENTERTAINMENT
COMPLEX
5601 Oleander Drive
WILMINGTON, NC
28403

Date 10-31-25 Scale As Noted
Drawn Job
Sheet

E1.1

NOT FOR CONSTRUCTION



ELECTRICAL SERVICE GROUNDING DETAIL
SCALE: NTS

EQUIPMENT CONNECTION SCHEDULE

EQUIPMENT TAG	EQUIPMENT DESCRIPTION	SYMBOL	VOLTS	AMPS	KVA	CIRCUIT	WIRE CALLOUT	MCA	MOCP	DISCONNECT	DISCONNECT DESCRIPTION
ELEV	ELEVATOR	⊕	208V 3P 3W	33.31	12	MDP2-2,4,6	1" C, 3#4, #8G	70	70	NON-FUSED	240/100/3 HD SWITCH
ELEV CAR LTG/ CNTRLS	ELEV CAR LTG/ CNTRLS	⊕	120V 1P 2W	4.17	0.5	P4-1	1/2" C, 1#12, #12N, #12G	20	20	FUSED	240V, 30A HD SWITCH W/SOLID N & 1-20AFC
HEF1	HOOD EF1	⊕	120V 1P 2W	11.67	1.4	P4-8	1/2" C, 1#10, #10N, #10G	15	25	TOGGLE SWITCH	120V, 30A WP TOGGLE DISC SW
HEF2	HOOD EF2	⊕	120V 1P 2W	11.67	1.4	P4-10	1/2" C, 1#10, #10N, #10G	15	25	TOGGLE SWITCH	120V, 30A WP TOGGLE DISC SW
KWCCU	KEG WI CLR COND UNIT	⊕	208V 3P 3W	14.43	5.2	P4-31, 33, 35	1/2" C, 3#10, #10G	18	30	FUSED	240/30/3/3R
KWIEVAP1	KEG WI EVAP UNIT1	⊕	208V 2P 2W	6.73	1.4	P4-19, 21	1/2" C, 2#12, #12G	8	20	TOGGLE SWITCH	240V, 20A WP TOGGLE DISC SW
KWIEVAP2	KEG WI EVAP UNIT2	⊕	208V 2P 2W	6.73	1.4	P4-23, 25	1/2" C, 2#12, #12G	8	20	TOGGLE SWITCH	240V, 20A WP TOGGLE DISC SW
RTU1	RTU1	⊕	208V 3P 3W	108.6	39.12	MDP1-7, 9, 11	1-1/2" C, 3#2, 0, #6G	121	150	FUSED	240/200/3/3R
RTU2	RTU2	⊕	208V 3P 3W	53.7	19.35	MDP2-7, 9, 11	1-1/4" C, 3#2, #8G	60	80	FUSED	240/100/3/3R
RTU3	RTU3	⊕	208V 3P 3W	53.7	19.35	MDP1-13, 15, 17	1-1/4" C, 3#2, #8G	60	80	FUSED	240/100/3/3R
RTU4	RTU4	⊕	208V 3P 3W	53.7	19.35	MDP2-13, 15, 17	1-1/4" C, 3#2, #8G	60	80	FUSED	240/100/3/3R
RTU5	RTU5	⊕	208V 3P 3W	53.7	19.35	MDP1-19, 21, 23	1-1/4" C, 3#2, #8G	60	80	FUSED	240/100/3/3R
RTU6	RTU6	⊕	208V 3P 3W	53.7	19.35	MDP2-19, 21, 23	1-1/4" C, 3#2, #8G	60	80	FUSED	240/100/3/3R
RTU7	RTU7	⊕	208V 3P 3W	53.7	19.35	MDP1-25, 27, 29	1-1/4" C, 3#2, #8G	60	80	FUSED	240/100/3/3R
RTU8	RTU8	⊕	208V 3P 3W	108.6	39.12	MDP1-1, 3, 5	1-1/2" C, 3#1, 0, #6G	121	150	FUSED	240/200/3/3R
RTU9	RTU9	⊕	208V 3P 3W	108.6	39.12	MDP2-1, 3, 5	1-1/2" C, 3#1, 0, #6G	121	150	FUSED	240/200/3/3R
WCCU	WI CLR COND UNIT	⊕	208V 3P 3W	9.72	3.5	P4-38, 40, 42	1/2" C, 3#12, #12G	12	20	FUSED	240/30/3/3R
WCVAP	WI CLR EVAP UNIT	⊕	208V 2P 2W	5.77	1.2	P1-39, 41	1/2" C, 2#12, #12G	7	15	TOGGLE SWITCH	240V, 15A WP TOGGLE DISC SW
WFCU	WI FRZR COND UNIT	⊕	208V 3P 3W	12.21	4.4	P4-37, 39, 41	1/2" C, 3#12, #12G	14	20	FUSED	240/30/3/3R
WFEVAP	WI FRZR EVAP UNIT	⊕	208V 2P 2W	9.62	2	P1-43, 45	1/2" C, 2#12, #12G	12	20	TOGGLE SWITCH	240V, 20A WP TOGGLE DISC SW

MDP1

MOUNTING SURFACE: VOLTS 208Y/120V 3P 4W, BUS AMPS 800, NEUTRAL 100%, AIC 42,000 MAIN BRKR 800 LUGS STANDARD

CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA		
			A	B	C				A	B	C
1	150/3	RTU8	13	13		2	200/3	PANEL P1	19.5	19.9	19.6
3	150/3	RTU1	13	13		4	200/3	PANEL P4	18.1	18.4	18.4
7	150/3	RTU3	6.45	6.45		6	20/3	SPARE	0	0	0
9	80/3	RTU5	6.45	6.45		8	20/3	SPARE	0	0	0
11	80/3	RTU7	6.45	6.45		10	20/3	SPARE	0	0	0
13	80/3	SPARE	0	0		12	20/3	SPARE	0	0	0
15	20/3	SPARE	0	0		14	20/3	SPARE	0	0	0
17	20/3	SPARE	0	0		16	20/3	SPARE	0	0	0
19	20/3	SPARE	0	0		18	20/3	SPARE	0	0	0
21	20/3	SPARE	0	0		20	20/3	SPARE	0	0	0
23	20/3	SPARE	0	0		22	20/3	SPARE	0	0	0
25	20/3	SPARE	0	0		24	20/3	SPARE	0	0	0
27	20/3	SPARE	0	0		26	20/3	SPARE	0	0	0
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39	20/3	SPARE	0	0		38	20/3	SPARE	0	0	0
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43	20/3	SPARE	0	0		42	20/3	SPARE	0	0	0
45	20/3	SPARE	0	0		44	20/3	SPARE	0	0	0
47	20/3	SPARE	0	0		46	20/3	SPARE	0	0	0
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79	20/3	SPARE	0	0		78	20/3	SPARE	0	0	0
81	20/3	SPARE	0	0		79	20/3	SPARE	0	0	0
83	20/3	SPARE	0	0		80	20/3	SPARE	0	0	0
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87	20/3	SPARE	0	0		84	20/3	SPARE	0	0	0
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91	20/3	SPARE	0	0		88	20/3	SPARE	0	0	0
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95	20/3	SPARE	0	0		92	20/3	SPARE	0	0	0
97	20/3	SPARE	0	0		94	20/3	SPARE	0	0	0
99	20/3	SPARE	0	0		96	20/3	SPARE	0	0	0
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103	20/3	SPARE	0	0		100	20/3	SPARE	0	0	0
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109	20/3	SPARE	0	0		106	20/3	SPARE	0	0	0
111	20/3	SPARE	0	0		108	20/3	SPARE	0	0	0
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115	20/3	SPARE	0	0		112	20/3	SPARE	0	0	0
117	20/3	SPARE	0	0		114	20/3	SPARE	0	0	0
119	20/3	SPARE	0	0		116	20/3	SPARE	0	0	0
121	20/3	SPARE	0	0		118	20/3	SPARE	0	0	0
123	20/3	SPARE	0	0		120	20/3	SPARE	0	0	0
125	20/3	SPARE	0	0		122	20/3	SPARE	0	0	0
127	20/3	SPARE	0	0		124	20/3	SPARE	0	0	0
129	20/3	SPARE	0	0		126	20/3	SPARE	0	0	0
131	20/3	SPARE	0	0		128	20/3	SPARE	0	0	0
133	20/3	SPARE	0	0		130	20/3	SPARE	0	0	0
135	20/3	SPARE	0	0		132	20/3	SPARE	0	0	0
137	20/3	SPARE	0	0		134	20/3	SPARE	0	0	0
139	20/3	SPARE	0	0		136	20/3	SPARE	0	0	0
141	20/3	SPARE	0	0		138	20/3	SPARE	0	0	0
143	20/3	SPARE	0	0		140	20/3	SPARE	0	0	0
145	20/3	SPARE	0	0		142	20/3	SPARE	0	0	0
147	20/3	SPARE	0	0		144	20/3	SPARE	0	0	0
149	20/3	SPARE	0	0		146	20/3	SPARE	0	0	0
151	20/3	SPARE	0	0		148	20/3	SPARE	0	0	0
153	20/3	SPARE	0	0		150	20/3	SPARE	0	0	0
155	20/3	SPARE	0	0		152	20/3	SPARE	0	0	0
157	20/3	SPARE	0	0		154	20/3	SPARE	0	0	0
159	20/3	SPARE	0	0		156	20/3	SPARE	0	0	0
161	20/3	SPARE	0	0		158	20/3	SPARE	0	0	0
163	20/3	SPARE	0	0		160	20/3	SPARE	0	0	0
165	20/3	SPARE	0	0		162	20/3	SPARE	0	0	0
167	20/3	SPARE	0	0		164	20/3	SPARE	0	0	0
169	20/3	SPARE	0	0		166	20/3	SPARE	0	0	0
171	20/3	SPARE	0	0		168	20/3	SPARE	0	0	0
173	20/3	SPARE	0	0		170	20/3	SPARE	0	0	0
175	20/3	SPARE	0	0</							

P1		VOLTS 208Y/120V 3P 4W BUS AMPS 200 NEUTRAL 100%			AIC 10,000 MAIN MLO LUGS STANDARD																		
MOUNTING SURFACE FED FROM MDP1																							
NOTE																							
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA														
			A	B	C				A	B	C												
1	40/2	OVEN UNDER HOOD 44 ***	3.6			2	20/1	CHEF BASE 7 ***	0.9														
3	40/2	OVEN UNDER HOOD 44 ***	3.6			4	20/1	FRY WARMER ***		1													
5	40/2	OVEN UNDER HOOD 44 ***	3.6			6	20/1	WT FRZR 15 ***			0.5												
7	30/2	SPEED BAKE OVEN 51 *	2.9			8	20/1	FRY WARMER ***	1														
9	20/1	KITCHEN CONV OUTLET	2.9			10	20/1	PRINTERS KITCHEN *		0.54													
11	20/1	TEA 32	1.7			12	20/1	KITCHEN CONV OUTLETS	0.6		0.54												
15	20/1	COFFEE 18	1.7			14	20/1	SANDWICH PREP 6 *		0.3													
17	20/1	POS/PRINT KITCHEN	1.3			16	20/1	WORKTOP FRIDGE 9 *		1.5													
19	20/1	RI REFRIG 8	1.3			20	20/1	BLENDER 19	1.5														
21	20/2	ICE MAKER 30 *	0.36			22	20/1	ICE CREAM 10 *		0.5													
23	20/1	KITCHE CONV OUTLETS	0.36			24	20/1	CARBONATOR *		1													
25	20/1	WAREWASHER 26	1.2			26	20/1	PIZZA PREP 5 *	0.4														
27	20/1	SLICER 17	0.5			28	20/1	STRIP FOOD HTR *	0.8		0.18												
29	20/1	SANDWICH UNIT 3 *	0.3			30	20/1	FOOD WARMER 42 *			0.18												
31	20/1	STRIP FOOD HTR *	0.8			32	20/1	MICROWAVE 50 *	1														
33	20/1	EMP TIME TRACKER	0.18			34	20/1	STRIP FOOD HTR *	0.8		0.7												
35	20/1	WI CLR EVAP UNIT	0.6			36	20/1	SALAD PREP 4 *	0.18														
37	15/2	WI FRZR EVAP UNIT	0.6			38	20/1	RECEPTACLE		0.36													
41	20/2	WI FRZR EVAP UNIT	1			40	20/1	RECS TLTS			0.36												
43	20/1	BLAST CHILLER 15B *	1.92			42	20/1	RECS BRK RM	0.72														
45	20/1	BDA SYSTEM	0.2			44	20/1	RECS OFFICE		1.2													
51	20/1	REC ELEC RM	0.18			46	20/1	SERVER			1.2												
53	20/1	RECS BOWL	0.72			48	20/1	SERVER	0.36														
55	20/1	TV,RECS AX THROW	0.72			50	20/1	QUAD TEL BD		0													
57	20/1	TV RECS BOWL	0.72			52	20/1	SPARE		0													
59	20/1	SPARE *	0			54	20/1	SPARE	0.72														
61	20/1	SPARE *	0			56	20/1	RECS SHUFF BD			0												
63	20/1	SPARE *	0			58	20/1	RECS BRK RM		0.36													
65	20/1	SPARE *	0			60	20/1	SPARE			0												
67	20/1	SPARE *	0			62	20/1	SPARE			0												
69	20/1	SPARE *	0			64	20/1	SPARE			0												
71	20/1	SPARE *	0			66	20/1	SPARE			0												
73	-/1	SPACE	0			68	20/1	SPARE			0												
75	-/1	SPACE	0			70	20/1	SPARE			0												
77	-/1	SPACE	0			72	20/1	SPARE			0												
79	-/1	SPACE	0			74	20/1	SPACE			0												
81	-/1	SPACE	0			76	20/1	SPACE			0												
83	-/1	SPACE	0			78	20/1	SPACE			0												
						80	20/1	SPACE			0												
						82	20/1	SPACE			0												
						84	20/1	SPACE			0												
			TOTAL CONNECTED KVA BY PHASE						19.5			19.9			19.6								
			TOTAL CONNECTED AMPS BY PHASE						163			166			163								
			CONN KVA			CALC KVA			CONN KVA			CALC KVA											
LIGHTING			1			1.25			(125%)			KITCHEN EQUIPMENT			47.4			30.8			(65%)		
LARGEST MOTOR			1.2			0.3			(25%)			NONCONTINUOUS			0.4			0.4			(100%)		
RECEPTACLES			7.74			7.74			(50%>10)			HEATING			2.4			2.4			(100%)		
												COOLING			2.4			0			(0%)		
												TOTAL LOAD			42.9								
												BALANCED 3-PHASE LOAD			119 A								

* GFCI BREAKER ** VIA CONTACTOR FOR SHUNT TRIP

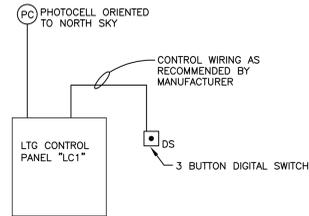
P5		VOLTS 208Y/120V 3P 4W BUS AMPS 200 NEUTRAL 100%			AIC 10,000 MAIN MLO LUGS STANDARD															
MOUNTING SURFACE FED FROM MDP1																				
NOTE																				
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA											
			A	B	C				A	B	C									
1	20/1	LTC KITCHEN	0			2	20/1	CHANDLIERS	1.44											
3	20/1	LTC TLTS,OFF,HALL,STO				4	20/1	SIGN		1.2										
5	20/1	LTC WALK-INS	0.45			6	20/1	LTC SHOES			0.9									
7	20/1	LTC AT PINSETTERS	0.35			8	20/1	SPARE		0	0.643									
9	20/1	LTC - KITCHEN	1.15			10	20/1	LTC - TLTS, WAIT			0.96									
11	20/1	LTC - TLTS, BREAK RM	1.23			12	20/1	LTC - AXE THROW			0.575									
13	20/1	LTC - EXTERIOR	1.14			14	20/1	LTC - CHANDLIERS DUCK PIN		1.22										
15	20/1	LTC - EXTERIOR	0			16	20/1	LTC - 1ST FLOOR BAR			0									
17	20/1	STEP LIT	0.123			18	20/1	STRIP LED'S ARCADE	0.81		0									
19	20/1	LIGHTED BOLLARDS	0.035			20	20/1	LTC - BOWLING		0.502										
21	20/1	LTC - ARCADE	0.475			22	20/1	LTC - SEATING			0.05									
23	20/1	LTC - SEATING	0.8			24	20/1	LTC - STOR, OFFICES	0.2											
25	30/1	LTC - SEATING	1.2			26	20/1	LIGHTING CONTROL PANEL 1		0										
27	20/1	LTC - 1ST FLOOR	0.9			28	20/1	SPARE			0									
29	20/1	LTC PRIVATE RMS	0.915			30	20/1	SPARE			0									
31	-/1	SPACE	0			32	-/1	SPACE			0									
33	-/1	SPACE	0			34	-/1	SPACE			0									
35	-/1	SPACE	0			36	-/1	SPACE			0									
37	-/1	SPACE	0			38	-/1	SPACE			0									
39	-/1	SPACE	0			40	-/1	SPACE			0									
41	-/1	SPACE	0			42	-/1	SPACE			0									
			TOTAL CONNECTED KVA BY PHASE						5.75			6.09			5.43					
			TOTAL CONNECTED AMPS BY PHASE						47.9			50.8			45.3					
			CONN KVA			CALC KVA			CONN KVA			CALC KVA								
LIGHTING			17.1			21.3			(125%)			TOTAL LOAD			21.5					
NONCONTINUOUS			0.2			0.2			(100%)			BALANCED 3-PHASE LOAD			59.8 A					

P2		VOLTS 208Y/120V 3P 4W BUS AMPS 200 NEUTRAL 100%			AIC 10,000 MAIN MLO LUGS STANDARD															
MOUNTING SURFACE FED FROM MDP2																				
NOTE																				
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA											
			A	B	C				A	B	C									
1	20/1	SPARE	0			2	20/1	SPARE												
3	20/1	SPARE	0			4	30/1	ARCADE	1.2		1.2									
5	20/1	SPARE	0			6	30/1	ARCADE			1.2									
7	20/1	ARCADE	1.2			8	30/1	ARCADE	1.2		1.2									
9	20/1	ARCADE	1.2			10	30/1	ARCADE			1.2									
11	20/1	ARCADE	1.2			12	30/1	ARCADE	1.2		1.2									
13	20/1	ARCADE	1.2			14	30/1	ARCADE			1.2									
15	20/1	ARCADE	1.2			16	20/1	ARCADE	1.2		1.2									
17	20/1	ARCADE	1.2			18	20/1	ARCADE			1.2									
19	20/1	ARCADE	1.2			20	20/1	ARCADE	1.2		1.2									
21	20/1	ARCADE	1.2			22	20/1	ARCADE			1.2									
23	20/1	ARCADE	1.2			24	20/1	ARCADE	1.2		1.2									
25	20/1	ARCADE	1.2			26	30/1	ARCADE			1.2									
27	20/1	ARCADE	1.2			28	20/1	ARCADE	1.2		1.2									
29	30/1	ARCADE	0			30	20/1	ARCADE			1.2									
31	20/1	SPARE	0			32	20/1	ARCADE	1.2		1.2									
33	20/1	SPARE	0			34	20/1	SPARE		0										
35	20/1	SPARE	0			36	20/1	SPARE			0									
37	60/3	TRACK BUSWAY	3			38	100/3	TRACK BUSWAY	6		6									
39	41					40														
						42					6									
			TOTAL CONNECTED KVA BY PHASE						19.8			19.8			19.8					
			TOTAL CONNECTED AMPS BY PHASE						165			165			165					
			CONN KVA			CALC KVA			CONN KVA			CALC KVA								
CONTINUOUS			27			33.8			(125%)			TOTAL LOAD			59.7					
DIVERSE			32.4			25.9			(80%)			BALANCED 3-PHASE LOAD			166 A					

* GFCI BREAKER

P4		VOLTS 208Y/120V 3P 4W BUS AMPS 200 NEUTRAL 100%			AIC 10,000 MAIN MLO LUGS STANDARD						
MOUNTING SURFACE FED FROM MDP1											
NOTE											
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA		
			A	B	C				A	B	C
1	20/1	ELEV CAR LTG/ CNTRLS	0.5			2	20/1	BEVERAGE FL2	1.2		
3	20/1	REC ELEV MAINT		0.18		4	20/1	COFFEE 18 FL2		1.7	
5	20/1	RECS ROOF			0.9	6	20/1	POS & PRINT FL2			0.36
7	20/1	POS PRINT FL2 BAR	0.36			8	25/1	HOOD EF1	1.4		
9	20/1	BEER PWR PACK 40 *	1.4			10	25/1	HOOD EF1		1.4	
11	20/1	REC STO		0.18		12	20/1	FL2 BAR REFRIG 12 *			0.4
13	20/1	KITCH CONV OUTLETS	0.36			14	30/1	FL2 BAR BLENDER 19	1.5		1.9
15	20/1	MS SIMULATOR		1		16	20/1	FL2 BAR DW 27		1.9	0.3
17	20/1	MS SIMULATOR			1	18	20/1	FL2 GLASS FRST 13 *			
19	20/2	KEG W EVAP UNIT1	0.7			20	20/1	BAR USB RECS		0	
21	20/2	KEG W EVAP UNIT2	0.7			22	20/1	TV AT BAR *		0	
23	20/2	SPARE	0.7			24	20/1	RECS TLTS			0.36
25	20/2	SPARE	0.7			26	20/1	TV'S & RECS BILLIARDS	0.72		0.72
27	20/2	SPARE	0.7			28	20/1	TV'S & RECS BILLIARDS		0.72	
29	30/3	KEG W CLR COND UNIT	1.73			30	20/1	TV'S & RECS BILLIARDS	0.72		0.72
31	20/1	SPARE	1.73			32	20/1	TV'S & RECS BILLIARDS		0.54	
33	20/1	SPARE	1.73			34	20/1	RECS 2ND FL PATIO			0.9
35	20/3	WI FRZR COND UNIT	1.47			36	20/1	WI CLR COND UNIT	1.17		1.17
37	20/3	WI FRZR COND UNIT	1.47			38	20/3	WI CLR COND UNIT	1.17		1.17
39	41					40					
41	20/1	RECS & TV'S SOFT SEAT	0.72			44	20/1	GEN RECS 2ND FL	0.9		1.17
43	20/1	BAR TV'S	0.36			46	20/1	GEN RECS 2ND FL		1.44	0.54
45	20/1	USB RECS BAR *	0.9			48	30/1	RECS BAR SEATING			
47	20/1	GAS WTR HTR CNTRL	0.6			50	20/1	RECS BEHIND PINSETTERS	0.9		
49	20/1	SPARE	0			52	20/1	DFX LTG		1	
51	20/1	TV'S DUCKPIN BOWLING	1.08			54	20/1	RECS BOWLING AREA		1.26	
53	20/1	LTC - 2ND FLR	1.02								

LIGHTING CONTROL SCHEDULE - LC1		
CIRCUIT	LOAD	CONTROL
P5-2,6,16,22,23,25,27	1ST FLR LTG - SALES, SEATING, BAR	DS BUTTON 1, TIMER OFF, MANUAL OVERRIDE
P5-12,14,20	1ST FLR LTG - LANES	DS BUTTON 2, TIMER OFF, MANUAL OVERRIDE
P5-21	INTERIOR LTG - ARCADE	DS BUTTON 3, TIMER OFF, MANUAL OVERRIDE
P5-4	BUILDING SIGN	PHOTOCELL ON, TIMER OFF, MANUAL OVERRIDE
P5-13,17,19	EXTERIOR LTG	PHOTOCELL ON, TIMER OFF, MANUAL OVERRIDE



LCP SHALL BE INTELLIGENT LIGHTING CONTROLS LIGHTLEADER MODEL LL16 OR EQUAL. PROVIDE 2 SPARE RELAYS.

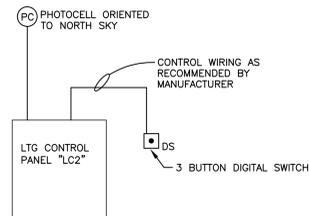
LIGHTING CONTROLS

NTS

NOTES:

1. LIGHTING CONTROL PANEL SHALL AUTOMATICALLY SHUT OFF LTG VIA TIMERS W/MANUAL OVERRIDE.
2. SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF THE 2018 NC ENERGY CONSERVATION CODE.
3. PROGRAM SYSTEM FOR OWNER'S SCHEDULE. PROVIDE TRAINING & O&M MANUALS.

LIGHTING CONTROL SCHEDULE - LC2		
CIRCUIT	LOAD	CONTROL
P4-55,57,62,71	2ND FLR LTG	DS BUTTON 1, TIMER OFF, MANUAL OVERRIDE
P4-56,59,65,72	2ND FLR LTG	DS BUTTON 2, TIMER OFF, MANUAL OVERRIDE
P4-55	LTG - ENTRY	DS BUTTON 3, TIMER OFF, MANUAL OVERRIDE
P4-70	BUILDING SIGN	PHOTOCELL ON, TIMER OFF, MANUAL OVERRIDE
P4-60-64	EXTERIOR LTG	PHOTOCELL ON, TIMER OFF, MANUAL OVERRIDE



LCP SHALL BE INTELLIGENT LIGHTING CONTROLS LIGHTLEADER MODEL LL16 OR EQUAL. PROVIDE 2 SPARE RELAYS.

LIGHTING CONTROLS

NTS

NOTES:

1. LIGHTING CONTROL PANEL SHALL AUTOMATICALLY SHUT OFF LTG VIA TIMERS W/MANUAL OVERRIDE.
2. SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF THE 2018 NC ENERGY CONSERVATION CODE.
3. PROGRAM SYSTEM FOR OWNER'S SCHEDULE. PROVIDE TRAINING & O&M MANUALS.

GENERAL LUMINAIRE SCHEDULE

CALLOUT	LAMP	DESCRIPTION	MOUNTING	MODEL	TOTAL VA	VOLTS	NOTE 1	QUANTITY
A1	(2) VERSALAMP 485-BLB	2-LAMP DMX CONTROLLED FIXTURE	SURFACE	FIXTURE BY OWNER, INSTALLED BY THIS CONTRACTOR, CONTROL BY DFX	70	120		38
A2	LED	CONTINUOUS BOWLING MONITOR	WALL	PROVIDED BY OTHERS	1.5	120	INSTALLED BY GC. MAKE ELECTRICAL CONNECTIONS. CONTROLS BY OTHERS	1
A3	(1) LED	LED GOBO LANE NUMBER PROJECTOR	CEILING	FIXTURE BY OWNER, INSTALLED BY THIS CONTRACTOR, CONTROL BY DFX	20	120		10
A4	LED	BOWLING MONITOR	SURFACE	PROVIDED AND INSTALLED BY OTHERS	125	120	PROVIDE BRANCH CIRCUIT WIRING AND CONNECT	18
A5	(1) LED	LED AXE THROWING PROJECTOR	CEILING	FIXTURE BY OWNER, INSTALLED BY THIS CONTRACTOR, CONTROL BY DFX	20	120		8
AF6	LED	RECESSED DOWNLIGHT	RECESSED	BY OTHERS	19	120		21
B	LED	PENDANT DOWNLIGHT	PENDANT	WARELITE WL-CYLL-6-25W-SCCT-0-10V-UNV-S-BK	25	120	BLACK FINISH. VERIFY COLOR TEMP	37
C	(1) 100W EQUIV LED E26	18" RLM W/CAGE	SUSPENDED	LITFAD SKU 221967764	100	120	BLACK FINISH	76
D1	(20) G9	CHANDLIER	PENDANT	CHICKSLOFT.COM INDUSTRIAL SPUTNIK 20 HEADS	115	120	3000K, BLACK FINISH	5
D2	(14) GP	CHANDLIER	PENDANT	CHICKSLOFT.COM INDUSTRIAL SPUTNIK 14 HEADS	80	120	3000K, BLACK FINISH	4
D3	(20) G9	CHANDLIER	PENDANT	CHICKSLOFT.COM INDUSTRIAL SPUTNIK 20 HEADS	115	120	3000K, BLACK FINISH	1
E	LED INCLUDED	EMERGENCY	WALL	ISOLITE BUG3	0	120	90 MINUTE BATTERY	13
EM	(1)	EMERGENCY LIGHT	CEILING	EMERGI-LITE B-123SC030-2-L15-FM-AD	64	120	90 MIN BATTERY	21
ER	INCLUDED	REMOTE HEAD	WALL	ISOLITE MVH2GY/WP	0	120		9
EX	LED	EXIT/EM COMBO	WALL/CEILING	ISOLITE PRC-R-LED-U-WH	0	120	90 MINUTE BATTERY	21
F1	LED 1650 L	WALL CYLINDER DOWNLIGHT	WALL VERIFY HEIGHT	WARELITE WL-WCYL-4-15W-SCCT-0-10V-UNV-44-BK	15	120	VERIFY FINISH.	5
F2	LED 1650 L	INDOOR WALL CYLINDER DOWNLIGHT	WALL VERIFY HEIGHT	WARELITE WL-WCYL-4-15W-SCCT-0-10V-UNV-44-BK	15	120	VERIFY FINISH.	5
F20	LED 1650 L	OUTDOOR WALL CYLINDER DOWNLIGHT	WALL VERIFY HEIGHT	WARELITE WL-WCYL-4-15W-SCCT-0-10V-UNV-65-BK	15	120	VERIFY FINISH. IP 65 OUTDOOR RATED	5
F3	(1) 60W LED EQUIV	GOOSENECK	WALL VERIFY HEIGHT	NUVO 60-7012	60	120	UL WET LABEL	12
G	LED 2000 L	6" ROUND DOWNLIGHT	RECESSED	ATLANTIC LED6IC-SYL20-35K-U	17	120	IC RATED FINISH SELECTED BY OWNER	20
H4	LED	4' LINEAR PENDANT	SURFACE	ALCON	18	120		2
H5	LED	5' LINEAR PENDANT	VERTICAL	ALCON	23	120		2
H5V	LED	5' LINEAR PENDANT	VERTICAL	ALCON	23	120	MOUNT VERTICAL	6
H6	LED	6' LINEAR PENDANT	SURFACE	ALCON	27	120		2
H8	LED	8' LINEAR PENDANT	SURFACE	ALCON	36	120		19
H11	LED	5' LINEAR PENDANT	VERTICAL	ALCON	23	120		2
J1	(1)	TRACK	SURFACE	VAKKER LIGHT OR EQUAL	120	120		10
J2	(1)	TRACK	SURFACE	VAKKER LIGHT OR EQUAL	120	120		8
K	LED	TAPE LIGHT	SURFACE	JESCO DL-AC-FLEX	140	120	3000K. PROVIDE ALL HW AS RECOMMENDED BY SUPPLIER FOR INSTALLATION IN LOCATIONS SHOWN	2
K2	LED	STRING LIGHT	SUSPENDED	AQLIGHTING OSL-S14	23	120		10
L	LED 3750/5000/6250 LUMENS	2x4 BACKLIT PANEL SELECTABLE LUMENS	LAY-IN	ALS LPA--4-BACKLIT-WH	50	120	SET TO 50W,6250L	51
L1	(1) 28W DIMBLE 2200 L	WAREHOUSE PENDANT	SUSPENDED	AQLIGHTING IPL-120C-RBRZ-WWA21	30	120	RETRO BRONZE FINISH. 3000K	23
L2	(1) 28W DIMBLE 2200 L	WAREHOUSE PENDANT	SUSPENDED	AQLIGHTING IPL-120C-COP-WWA21	30	120	COPPER FINISH. 3000K	3
L3	(1) 28W DIMBLE 2200 L	WAREHOUSE PENDANT	SUSPENDED	AQLIGHTING IPL-120C-RED-WWA21	30	120	RED FINISH. 3000K	7
L4	(1) 28W DIMBLE 2200 L	WAREHOUSE PENDANT	SUSPENDED	AQLIGHTING IPL-120C-BLU-WWA21	30	120	BLUE FINISH. 3000K	4
L5	(8) 5.5W LED E12	CHANDELIER	SUSPENDED	VISUAL COMFORT THORNE LARGE CHANDELIER	480	120		5
L6	LED	PENDANT DRUM	PENDANT	TO BE SELECTED	35	120	3000K 35W MAX	9
L8	LED	MINI PENDANT	PENDANT	KUZCO PD15302-BK	7	120		4
L9	LED	LINEAR LED UP/DOWN	SUSPENDED	EURI EU04-50W 1035W-B	50	120		18
M	LED 3750 LUMENS	2x2 BACKLIT PANEL SELECTABLE LUMENS	LAY-IN	ALS LPA--2-BACKLIT-WH	40	120	SET TO 30W,3750L	1
M1	LED	STEP LIGHT	SURFACE	SCHONBEK WL-LED120-C-BK	3.5	120		35
M2	LED	BOLLARD	SURFACE	AKTORE ARCHITECTURAL LIGHTING BOLLARD	5	120		7
N	LED 8000 LUMENS	8' STRIP	CHAIN HUNG	DAY-BRITE FSS880L835UNVDM	62	120		4
P	LED 3750/5000/6250 LUMENS	2x4 BACKLIT PANEL SELECTABLE LUMENS	SURFACE	ALS LPA--4-BACKLIT-WH	50	120	SET TO 50W,6250L. PROVIDE SURFACE MOUNT KIT	16
V	LED	4' VAPOR	CEILING	ALS VTA-45-SC-WH-UD	45	120		13

NOTE: REFER TO ARCHITECTURAL DRAWINGS A2.4 & A2.5 FOR MOUNTING HEIGHTS



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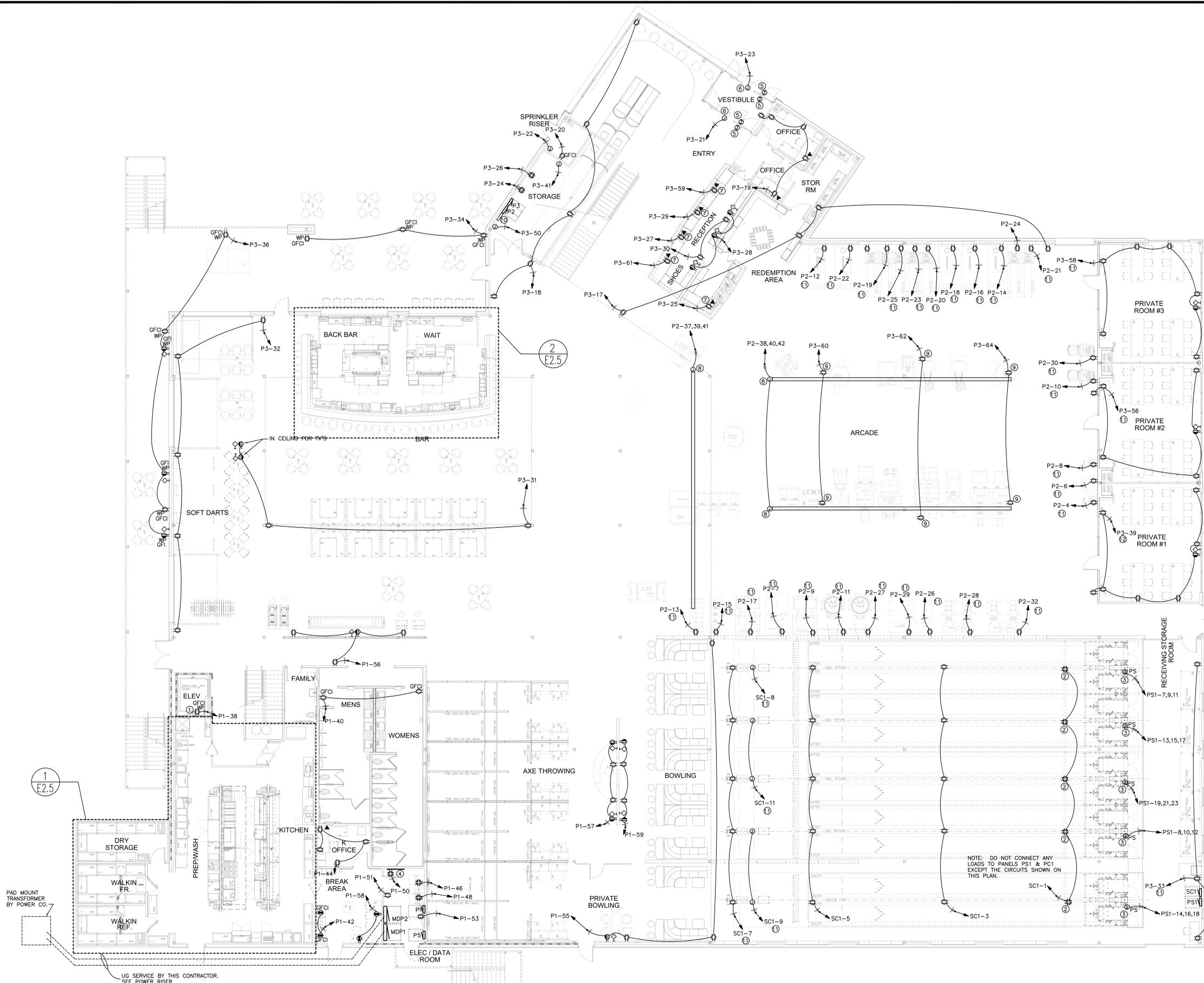
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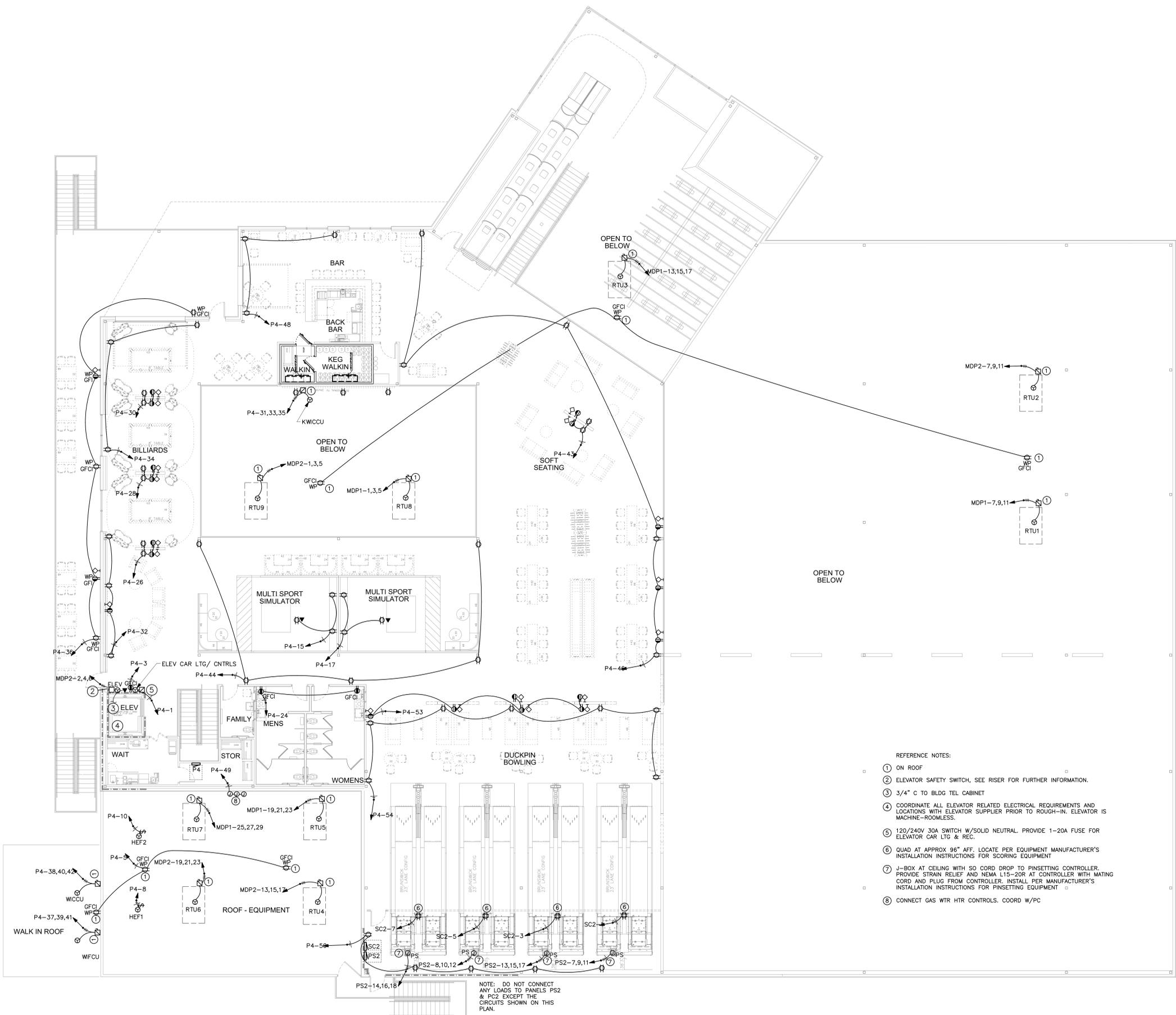
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REFERENCE NOTES:

- ① IN PIT
- ② QUAD AT APPROX 96" AFF. LOCATE PER EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR SCORING EQUIPMENT
- ③ J-BOX AT CEILING WITH SO CORD DROP TO PINSETTING CONTROLLER. PROVIDE STRAIN RELIEF AND NEMA L15-20R AT CONTROLLER WITH MATING CORD AND PLUG FROM CONTROLLER. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR PINSETTING EQUIPMENT
- ④ TELEPHONE BOARD. SEE DETAIL ON E1.1. STUB CONDUITS OUT TO PROPERTY LINE
- ⑤ PROVIDE BOX, RACEWAY AND CONTROLS FOR AUTOMATIC DOOR SENSOR. COORD W/VENDOR
- ⑥ CONNECT MOTOR OPERATED DOOR PER MANUFACTURER'S INSTRUCTIONS
- ⑦ STUB UP FROM FLOOR
- ⑧ STARLINE TRACK BUSWAY T2 SERIES 100A RAIL US-S-100-T2-C-4-S-50-C WITH 100A END FEED UNIT. PROVIDE SUPPORTING HARDWARE AS REQUIRED SUSPENDED AT 4" AFF. NINE PLUG-INS. 120V, 20A OVERCURRENT PROTECTION. DROP TO QUAD W/SO CORD AND STRAIN RELIEF.
- ⑨ AT CEILING FOR A/V EQUIPMENT BY OTHERS
- ⑩ CONTACTOR & TIMECLOCK. SEE POWER RISER
- ⑪ HOMERUN 2 #10, #10 GND
- ⑫ HOMERUN 2 #8, #10 GND

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



- REFERENCE NOTES:
- ① ON ROOF
 - ② ELEVATOR SAFETY SWITCH, SEE RISER FOR FURTHER INFORMATION.
 - ③ 3/4" C TO BLDG TEL CABINET
 - ④ COORDINATE ALL ELEVATOR RELATED ELECTRICAL REQUIREMENTS AND LOCATIONS WITH ELEVATOR SUPPLIER PRIOR TO ROUGH-IN. ELEVATOR IS MACHINE-ROOMLESS.
 - ⑤ 120/240V 30A SWITCH W/SOLID NEUTRAL. PROVIDE 1-20A FUSE FOR ELEVATOR CAR LTG & REC.
 - ⑥ QUAD AT APPROX 96" AFF. LOCATE PER EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR SCORING EQUIPMENT
 - ⑦ J-BOX AT CEILING WITH SO CORD DROP TO PINSETTING CONTROLLER. PROVIDE STRAIN RELIEF AND NEMA L15-20R AT CONTROLLER WITH MATING CORD AND PLUG FROM CONTROLLER. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR PINSETTING EQUIPMENT
 - ⑧ CONNECT GAS WTR HTR CONTROLS. COORD W/PC

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



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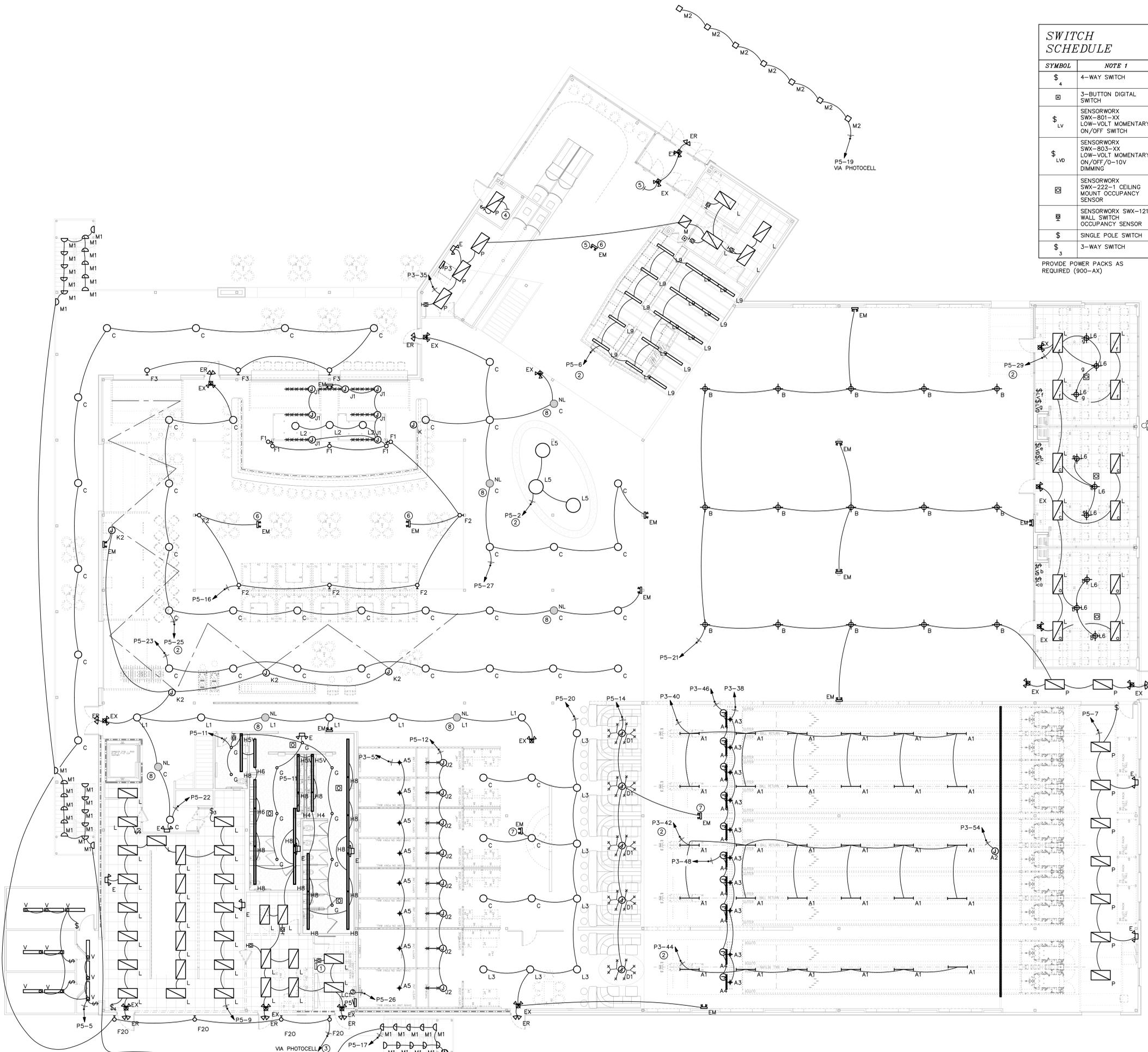
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SWITCH SCHEDULE

SYMBOL	NOTE 1
\$ ₄	4-WAY SWITCH
□	3-BUTTON DIGITAL SWITCH
\$ _{LV}	SENSORWORX SWX-801-XX LOW-VOLT MOMENTARY ON/OFF SWITCH
\$ _{LVD}	SENSORWORX SWX-803-XX LOW-VOLT MOMENTARY ON/OFF/0-10V DIMMING
□	SENSORWORX SWX-222-1 CEILING MOUNT OCCUPANCY SENSOR
□	SENSORWORX SWX-121 WALL SWITCH OCCUPANCY SENSOR
\$	SINGLE POLE SWITCH
\$ ₃	3-WAY SWITCH

PROVIDE POWER PACKS AS REQUIRED (900-AX)

NOTE: REFER TO ARCHITECTURAL REFLECTED CEILING PLAN A2.4 FOR MORE INFORMATION.

- REFERENCE NOTES:
- 1 INVERTER ON SHELF NEAR CEILING. IOTA IIS375 LED OR EQUAL (FOR STEP LTG CIRCUIT P5-17)
 - 2 HOMERUN 2#10, #10 GND
 - 3 2#10, #10 GND THROUGHOUT CKT
 - 4 CONNECT TO RISER RM RECEPTACLE CKT
 - 5 CONNECT TO LOCAL LIGHTING CKT AHEAD OF CONTROLS
 - 6 SUSPEND AT 17' AFF
 - 7 ON CEILING
 - 8 UNSWITCHED NIGHT LIGHT

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



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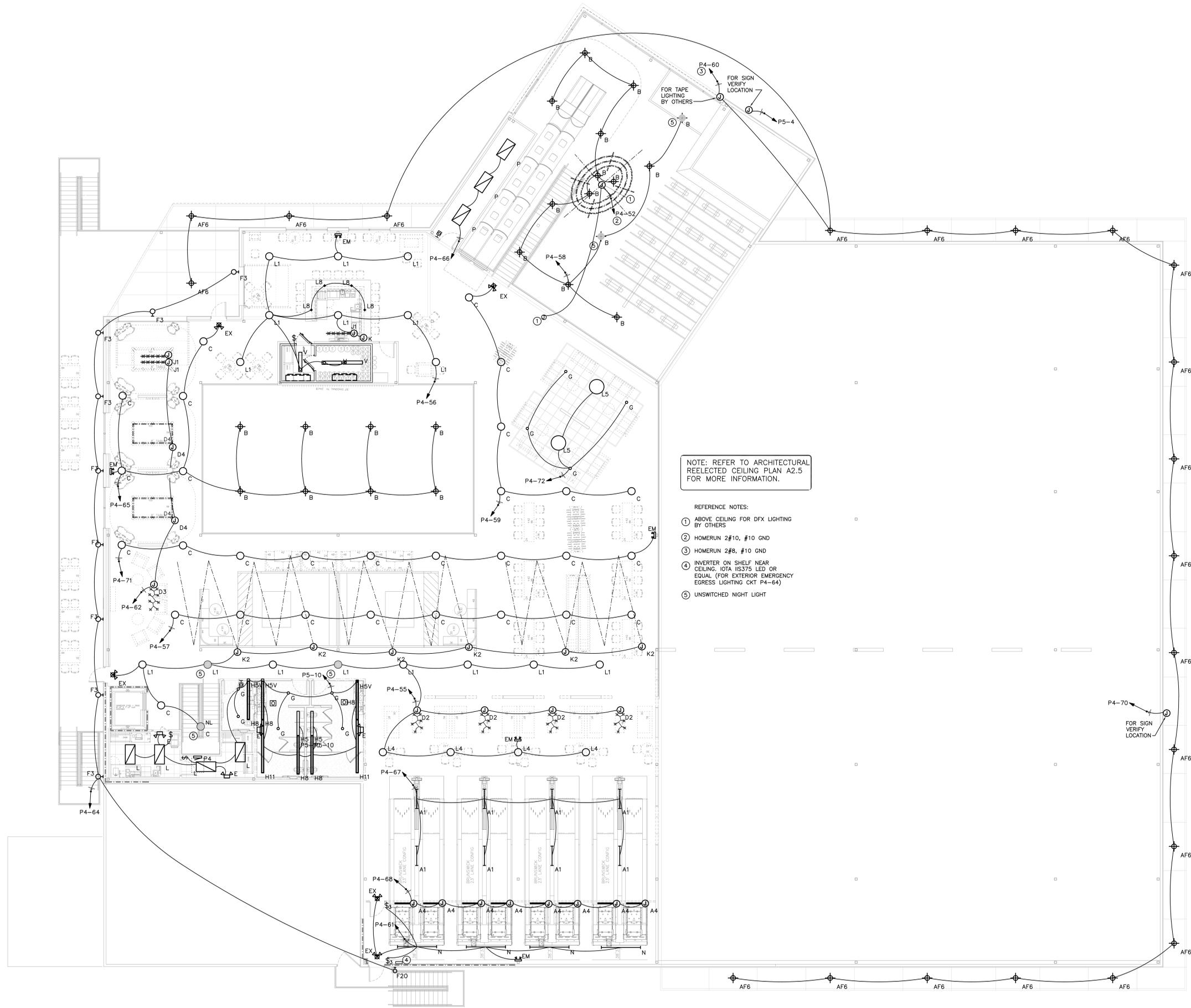
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NOTE: REFER TO ARCHITECTURAL RELECTED CEILING PLAN A2.5 FOR MORE INFORMATION.

- REFERENCE NOTES:
- ① ABOVE CEILING FOR DFX LIGHTING BY OTHERS
 - ② HOMERUN 2#10, #10 GND
 - ③ HOMERUN 2#8, #10 GND
 - ④ INVERTER ON SHELF NEAR CEILING, 101A IIS375 LED OR EQUAL (FOR EXTERIOR EMERGENCY EGRESS LIGHTING CKT P4-64)
 - ⑤ UNSWITCHED NIGHT LIGHT



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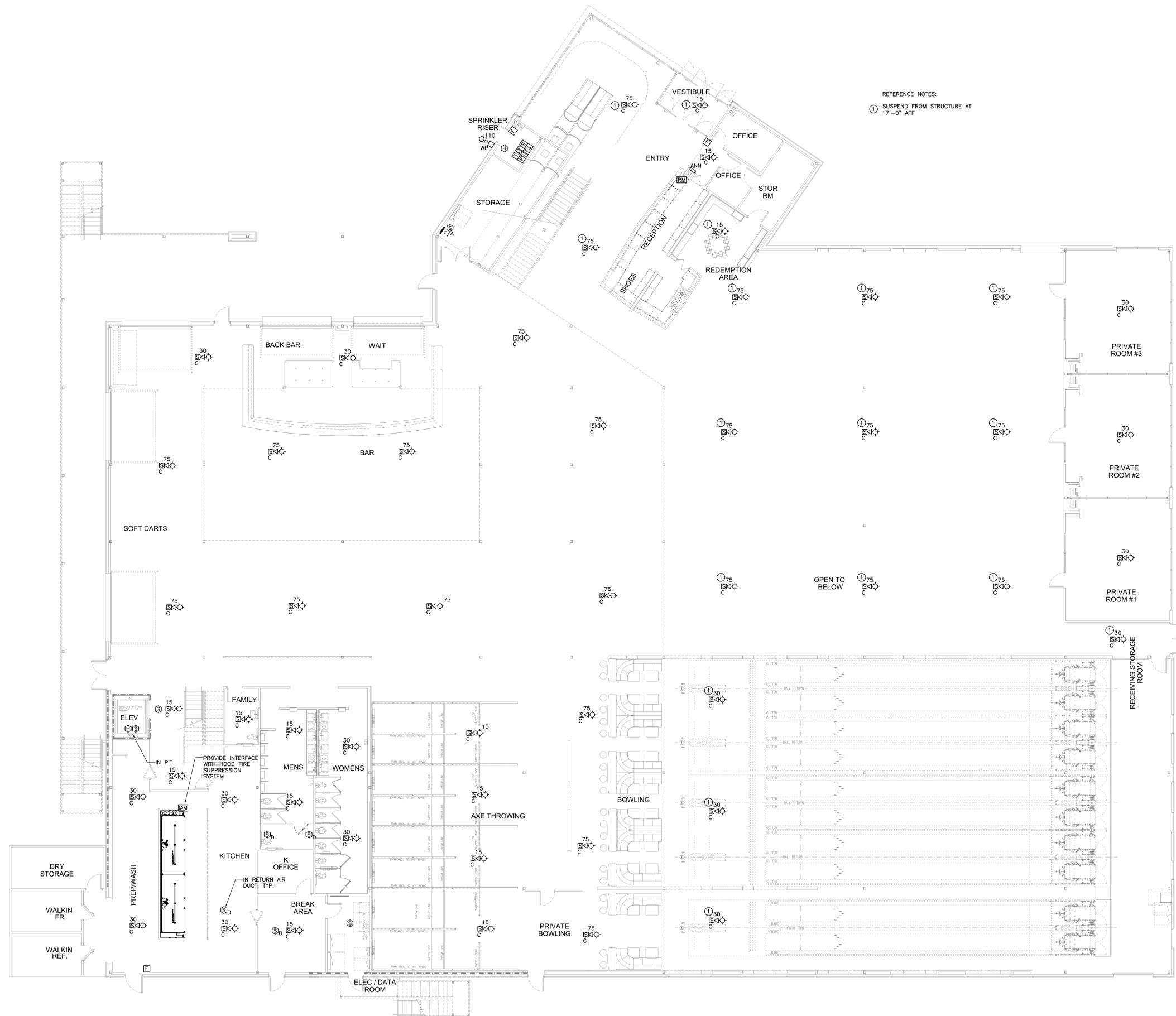
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1 MEZZANINE FLOOR PLAN - LIGHTING
SCALE: 1/8"=1'-0"

KEY	FURN. BY GC	FURN. BY OWNER	QTY.	ITEM NAME	MANUFACTURER OR EQUAL	MODEL NUMBER	POWER	WATER		WASTE	DIRECT/INDIRECT	REMARKS	MISC. NOTES	NSF
								HOT	COLD					
1			1	P.O.S. - CASH REGISTER	VARIES		(2) DATAS 120V/60/1 1A						1" PULL PIPE FOR DATAS BY GC	NSF
2			1	TICKET PRINTER FROM POS	VARIES		120V/60/1 1A							NSF
3			1	72" FOOD PREP REFR.	AVANTCO	APST-72	115V/60/1 2.5							NSF
4			1	60" FOOD PREP REFR.	AVANTCO	APT-60-HC	115V/60/1 5.4							NSF
5			1	48" PIZZA PREP REFR.	AVANTCO	APT-48-HC	115V/60/1 3.5							NSF
6			1	48" SALAD PREP REFR.	AVANTCO	APT-48-HC 4	115V/60/1 4.9							NSF
7			1	84" CHEF BASE REFR.	AVANTCO	CBE-84-HC	115V/60/1 6.84							NSF
8			1	54" 2 DR REFR.	AVANTCO	A-49R-HC	115V/60/1 6.2							NSF
9			1	27" WORKTOP REFR.	AVANTCO	AWT-27R-HC	115V/60/1 2.2							NSF
10			1	49" ICECREAM FREEZER W/ 1-2-Tub Holder Basket	AVANTCO	DFC13-HCL	115V/60/1 4.0							NSF
11			3	59" GLASS DOOR BOTTLE COOLER	AVANTCO	UBB-2G-HC	115V/60/1 3.5							NSF
12			1	48" GLASS DOOR BOTTLE COOLER	AVANTCO	UBB-48G-HC-S	115V/60/1 3.5						ORDER AS LOCKABLE	NSF
13			4	24" MUG FROSTER ADD 2"CASTERS	AVANTCO	GF25-HC-S	115V/60/1 9.9							NSF
14			2	25" HORIZONTAL BOTTLE COOLER	AVANTCO	HBB-25-HC	115V/60/1 7.2							NSF
15A			1	27" WORKTOP FREEZER	AVANTCO	SS-WT-27F-HC	115V/60/1 3.6							NSF
15B			1	31" REACH IN BLAST CHILLER	AVANTCO	SF-10	115V/60/1 16							NSF
16			1	24" GREASE HOOD - 2 1/2" PER DWG	CAPTIVE AIR									NSF
17			1	MEAT SLICER	HOBART	EDGE10	120V/60/1 15							NSF
18			2	BUNN BREWER	BUNN	CWTF15-3	120V/60/1 14							NSF
19			6	BLENDER	VITAMIX	068255	120V/60/1 12A							NSF
20			4	12 X 21 BLENDER STATION	BK RESOURCES	UB4-21-BDMX12								NSF
21			4	24" DIPPER / RINSER / DUMP	ADVANCE TABCO	PRSR-25-24							130 DEG CLEANING TEMP. WATER	NSF
22			1	22" DUMP SINK	REGENCY	6005117FW								NSF
			1	T&S B" C WALL 3 1/2" GOOSENECK FAUCET										NSF
			1	T&S B-3952 Twist Waste Valve, 3 1/2" Sink Opening, 2" Drain	Outlet									NSF
23			2	60" BAR 3 (14X10) COMP SINK	REGENCY	600B31014213								NSF
			2	T&S 4" Center B" Spread Spout, Wall Mount										NSF
24A			1	3' DISHTABLE CLEAN R SIDE	John Boos	CDT6-S36SBK R								NSF
24B			1	103" 3 COMP SINK WITH 24" DB 18X24X14 LEFT TO RIGHT - R SIDE DW	John Boos	DT3B18244-2D24L								NSF
			1	T&S Brass B-0133-ADF12-B Pre-Rinse Unit	Outlet									NSF
			3	T&S B-3952 Twist Waste Valve, 3 1/2" Sink Opening, 2" Drain	Outlet									NSF
25			3	30X48 SS WT WITH SINK ON R	REGENCY	60S13048R							WITH T&S APPROPRIATE FAUCET	NSF
26			1	LOW TEMP PASSTHRU DW W/BOOSTER	JACKSON	Conservor XL-E-LTH	120V/60/1 31.3A							NSF
27			2	LOW TEMP BAR DW W/BOOSTER	JACKSON	DELTA 5-E	120V/60/1 16A							NSF
28			10	HAND SINK WITH SPLASHGUARDS SOAP DISPENSER/BY SERVEPRO TOWEL ROLL DISPENSER/BY SERVEPRO	REGENCY BY SUPPLIER	HS12SP TOUCHLESS							130 DEG - ADD CROSS MIXER AND SET TO 110 DEG AT SINK	NSF
29A			1	30X96 Beverage Table W R SINK	REGENCY	600TB3096R								NSF
29B			1	30X60 Beverage Table W R SINK	REGENCY	600TB3060R								NSF
29C			1	30X48 Beverage Table W R SINK	REGENCY	600TB3048R								NSF
29D			1	24X72 ENCL. OPEN BASE TABLE NO B.S.	REGENCY	600eb12472								NSF
29E			1	24X36 LOCKABLE BASE TABLE W/B.S.	REGENCY	600EBT2436D								NSF
29F			1	24X48 LOCKABLE BASE TABLE W/B.S.	REGENCY	600EBT2448								NSF
29G			4	24X48 LOCKABLE BASE TABLE NO B.S.	REGENCY	600EBT2448D								NSF
30			1	LARGE KITCHEN ICE MAKER W/ FILTER	HOSHIZAKI	KM - 1301SAJ	208/230V/60/1 12.4A						W/ MANUFACTURER RECOMMENDED WATER FILTER	NSF
31			1	SMALL BAR ICE MAKER W/ FILTER	HOSHIZAKI	KM - 161 BAJ	115V/60/1 7.1A						W/ MANUFACTURER RECOMMENDED WATER FILTER	NSF
32			1	TEA BREWER	BUNN	TB60	120V/60/1 14.4A						W/ MANUFACTURER RECOMMENDED WATER FILTER	NSF
33A			4	18X36 Underbar Ice Bin W/ Cold Plate	REGENCY	600IB1836								NSF
			4	WITH SINGLE SS SPEED RAIL	STELTON STAINLESS	712B5536								NSF
33B			1	18X30 Underbar Ice Bin W/ Cold Plate	REGENCY	600IB1830								NSF
			1	WITH SINGLE SS SPEED RAIL	STELTON STAINLESS	712B5530								NSF
33C			1	18X24 Underbar Ice Bin	REGENCY	600IB1824KIT								NSF
34			5	18 5 TIER SS LIQUOR DISPLAY	REGENCY	600LDR2318								NSF
35			3	Corrugated Top Glass Rack Storage	REGENCY	600GRSU2324C								NSF
36			3	FLAT Top Glass Rack Storage	REGENCY	600GRSU2324								NSF
37A			3	FOUNTAIN B HEAD DRINK DISPENSOR	BY SODA PROVIDER	ICD 2300								NSF
37B			4	SODA GUNS AT SPEED RAILS	BY SODA PROVIDER									NSF
37C			4	SODA BOIRACKS 1	BY SODA PROVIDER									NSF
38			16	SIM JLM TRASH CAN 23 GAL	RUBBERMAID	23 GAL GRAY								NSF
39A			3	12 TAP DRAFT TOWER	MICROMATIC	TT-U-12KR-11								NSF
			3	15 3/4 DRIP TRAY WITH GLASS RINSE	MICROMATIC	51" CUSTOM PLATFORM DRIP TRAY								NSF
39B			1	12 TAP WALL GLYCOL READY W/RINSE	MICROMATIC	KRONOS-12SSKRRGR								NSF
40			1	GLYCOL POWER PACK - REMOTE COND.	MICROMATIC	MMPP4307-PKG-4	115V/60/1 14.5A							NSF
			1	POWER PACK RACK	MICROMATIC	PPR-362448								NSF
41			1	Infrared French Fry Warmer	AVANTCO	FFDS-1	120V/60/1 8.3A							NSF
42			1	SOUP WARMER - 3 POT	VOLLRATH	72788	120V/60/1 13.3A							NSF
43			3	ELECTRIC STRIP HEATER	WINCO	ESH36	120V/60/1 6.3A							NSF
44			2	COUNTERTOP ELECTRIC PIZZA OVENS	BAKERS PRIDE	P44BL	208/230 3A/8A							NSF
45			1	36" GAS CHARGRILL	SOUTHBEND	HDC-36	120000 BTU GAS							NSF
46			1	36" GAS SALAMANDER BROILER	SOUTHBEND	P36-RAD	40000 BTU GAS							NSF
47			1	48" GAS GRIDDLE	SOUTHBEND	HDG-48	120000 BTU GAS							NSF
48			1	36" S-Series Restaurant GAS Range	SOUTHBEND	S36D	63000 BTU GAS							NSF
49			4	GAS FRYER	PITCO	400	115000 BTU GAS							NSF
50			1	MICROWAVE	SOLWAVE	180MW1000SS	120V/60/1 8.3A							NSF
51			1	BAKING SPEED OVEN	UNOX	XASW-03HS-SDDS	240V/60/1 28A							NSF
52			2	PassThru Shelf/Overshelf - 24X132	REGENCY	600PFS24132								NSF
53A			1	SS DISH CABINET 18X72	REGENCY	600DC1872								NSF
53B			2	SS DISH CABINET 18X96	REGENCY	600DC1896								NSF
54A			1	SS 30X36 WORKTABLE W/1 1/2" B.S.	ADVTAB OR EQ	16 GA - 304SS								NSF
54B			1	SS 30X48 WORKTABLE W/1 1/2" B.S.	ADVTAB OR EQ	16 GA - 304SS								NSF
54C			2	SS 30X30 EQUIP STAND W/1 1/2" B.S.	REGENCY	600es3030g								NSF
55A			3	5 TIER EPOXY GREEN METRO SHELF	REGENCY	24X42X74								NSF
55B			5	5 TIER EPOXY GREEN METRO SHELF	REGENCY	24X48X74								NSF
55C			2	5 TIER EPOXY GREEN METRO SHELF	REGENCY	30X36X74								NSF
55D			8	5 TIER EPOXY GREEN METRO SHELF	REGENCY	30X48X74								NSF
55E			9	5 TIER EPOXY GREEN METRO SHELF	REGENCY	30X60X74								NSF
55F			1	5 TIER EPOXY GREEN METRO SHELF	REGENCY	18X48X74								NSF
55G			3	WALL MOUNTED GR. EP. WIRE SHELF	REGENCY	18X36 BRACKETS							(2) MOUNT @ 4'-6" & 5'-8" / (1) MNT @ 5'-8"	NSF
55H			3	WALL MOUNTED GR. EP. WIRE SHELF	REGENCY	18X42 BRACKETS							(2) MOUNT @ 4'-6" & 5'-8" / (1) MNT @ 5'-8"	NSF
55I			5	WALL MOUNTED GR. EP. WIRE SHELF	REGENCY	18X48 BRACKETS							(2) MOUNT @ 4'-6" & 5'-8" / (1) MNT @ 5'-8"	NSF
55J			3	3 TIER EPOXY GR. METRO SHELF-34"H	REGENCY	18X36X34H								NSF
56			1	SS STAINLESS PLATE CART	ULINE	H-7491								NSF
57			1	3 SHELF PLASTIC BUS CART	THUNDER	PLB34019B								NSF
58			1	36X36X12" TERRAZZO MOP SINK	TERRAZO-WARE	THR-363612							130 DEG CLEANING TEMP. WATER AND TS FAUCET	NSF
			1	8" MOP FAUCET	T&S	B-0665-BSTR								NSF
			1	36" MOP RACK	REGENCY	600MR36								NSF
59A			5	SOLID SS 15" SHELVES	REGENCY	15 X 48							(2) MOUNT @ 4'-6" & 5'-8" / (1) MNT @ 5'-8"	NSF
59B			2	SOLID SS 15" SHELVES	REGENCY	15 X 72							(2) MOUNT @ 4'-6" & 5'-8" / (1) MNT @ 5'-8"	NSF
60			4	4 DRAWER LOCKABLE FILE CABINET	GLOBAL INDUSTRIAL	WB836540								NSF
61			3	EMPLOYEE LOCKERS 6 TIER 12"D	GLOBAL INDUSTRIAL	WB413275								NSF
62			6	14X24X8 DUNNAGE RACK	REGENCY	600DUN1424								NSF
63			1	WALL MOUNTED POTATOE SLICER	NEMCO	EASY FryKutter							GC TO PROVIDE BLOCKING IN THE WALL	NSF
64A			1	36X74 ALUM TRAFFIC DOOR	REGENCY	600								



REFERENCE NOTES:
 ① SUSPEND FROM STRUCTURE AT 17'-0" AFF

① FIRST FLOOR PLAN – FIRE ALARM
 SCALE: 1/8" = 1'-0"



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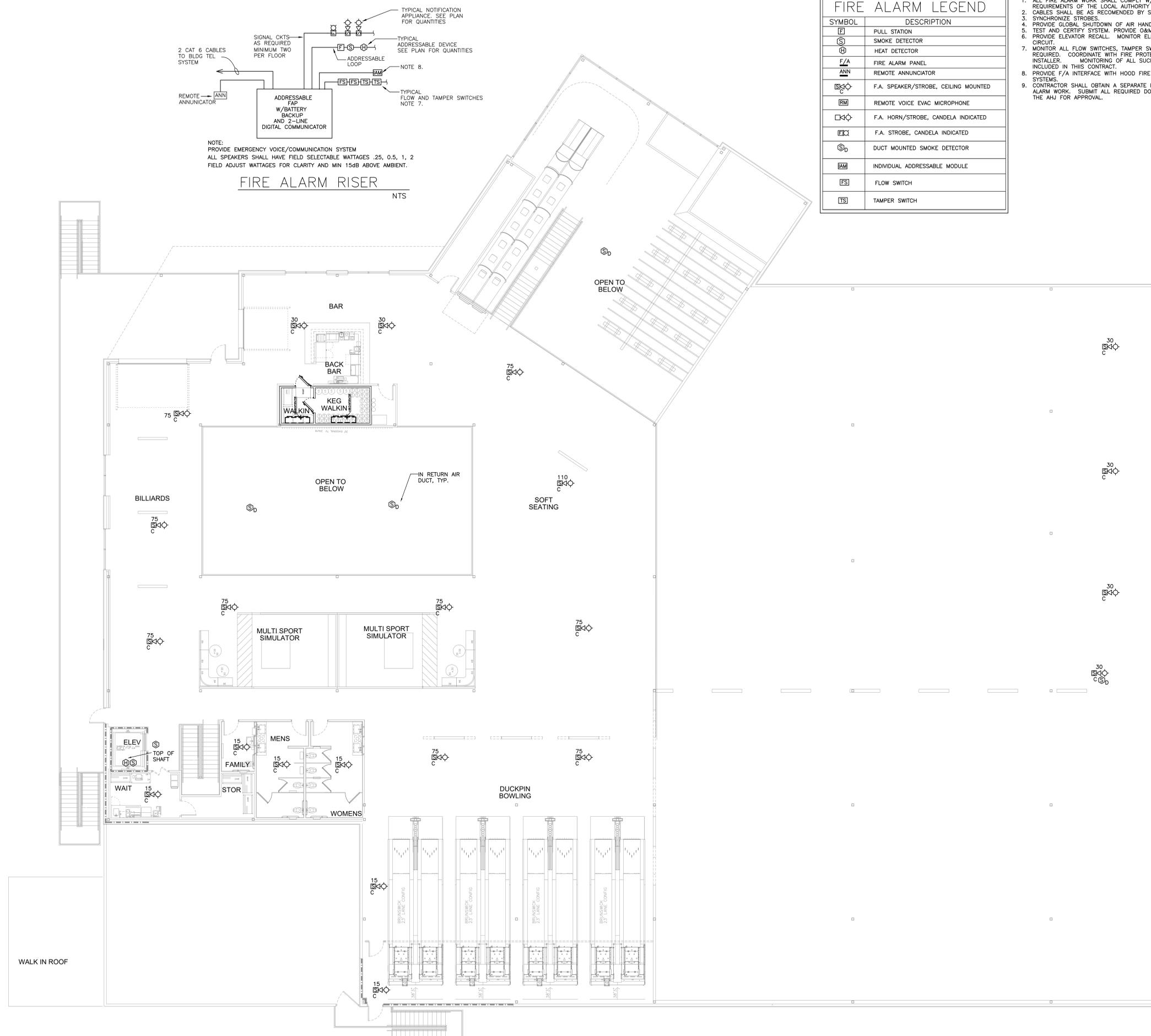
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FIRE ALARM LEGEND	
SYMBOL	DESCRIPTION
[E]	PULL STATION
[S]	SMOKE DETECTOR
[H]	HEAT DETECTOR
[F/A]	FIRE ALARM PANEL
[ANN]	REMOTE ANNUNCIATOR
[S<C>]	F.A. SPEAKER/STROBE, CEILING MOUNTED
[RM]	REMOTE VOICE EVAC MICROPHONE
[H<C>]	F.A. HORN/STROBE, CANDELA INDICATED
[E<C>]	F.A. STROBE, CANDELA INDICATED
[S<D>]	DUCT MOUNTED SMOKE DETECTOR
[IAM]	INDIVIDUAL ADDRESSABLE MODULE
[FS]	FLOW SWITCH
[TS]	TAMPER SWITCH

- NOTES:
1. ALL FIRE ALARM WORK SHALL COMPLY W/ NFPA 72 AND ALL REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION.
 2. CABLES SHALL BE AS RECOMMENDED BY SYSTEM MANUFACTURER.
 3. SYNCHRONIZE STROBES.
 4. PROVIDE GLOBAL SHUTDOWN OF AIR HANDLERS ON ALARM.
 5. TEST AND CERTIFY SYSTEM. PROVIDE O&M MANUALS.
 6. PROVIDE ELEVATOR RECALL. MONITOR ELEVATOR SHUNT TRIP CIRCUIT.
 7. MONITOR ALL FLOW SWITCHES, TAMPER SWITCHES AND VALVES AS REQUIRED. COORDINATE WITH FIRE PROTECTION SYSTEM INSTALLER. MONITORING OF ALL SUCH DEVICES SHALL BE INCLUDED IN THIS CONTRACT.
 8. PROVIDE F/A INTERFACE WITH HOOD FIRE SUPPRESSION SYSTEMS.
 9. CONTRACTOR SHALL OBTAIN A SEPARATE PERMIT FOR FIRE ALARM WORK. SUBMIT ALL REQUIRED DOCUMENTATION TO THE AHJ FOR APPROVAL.



Custom Homes,
Destination Retail Environments
and Site Planning

Wilmington
North Carolina

Ph 910
409-5304



NOT FOR CONSTRUCTION
10/31/25

ALL FEDERAL, STATE, AND LOCAL
CODES, ORDINANCES, REGULATIONS
ETC. SHALL BE CONSIDERED AS PART
OF SPECIFICATIONS FOR THIS BUILDING
AND SHALL TAKE PREFERENCE OVER
ANYTHING SHOWN, DESCRIBED, OR
IMPLIED WHERE SAME ARE AT VARIANCE

STRIKES
ENTERTAINMENT
COMPLEX

5601 Oleander Drive
WILMINGTON, NC
28403

Date 10-31-25 Scale As Noted
Drawn Job
Sheet

1 MEZZANINE FLOOR PLAN - FIRE ALARM
SCALE: 1/8"=1'-0"