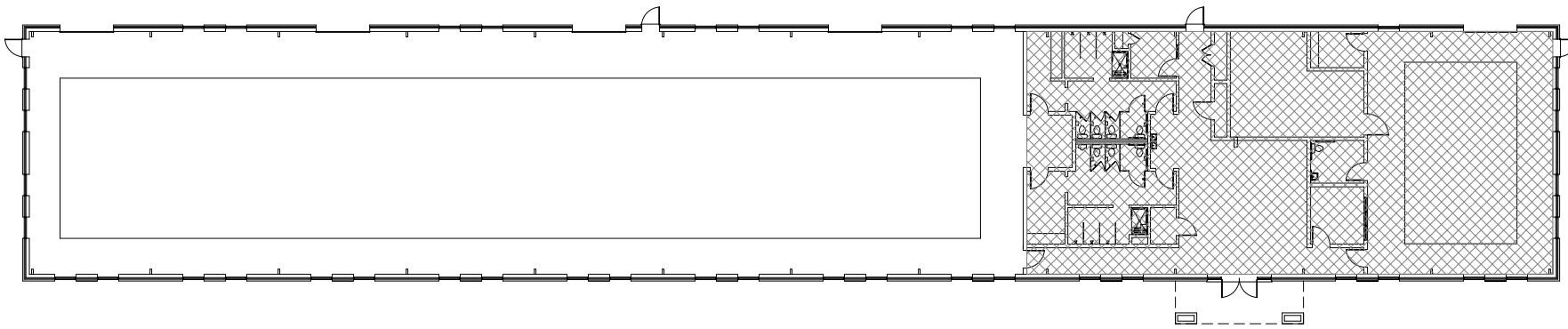




KEY PLAN NO SCALE

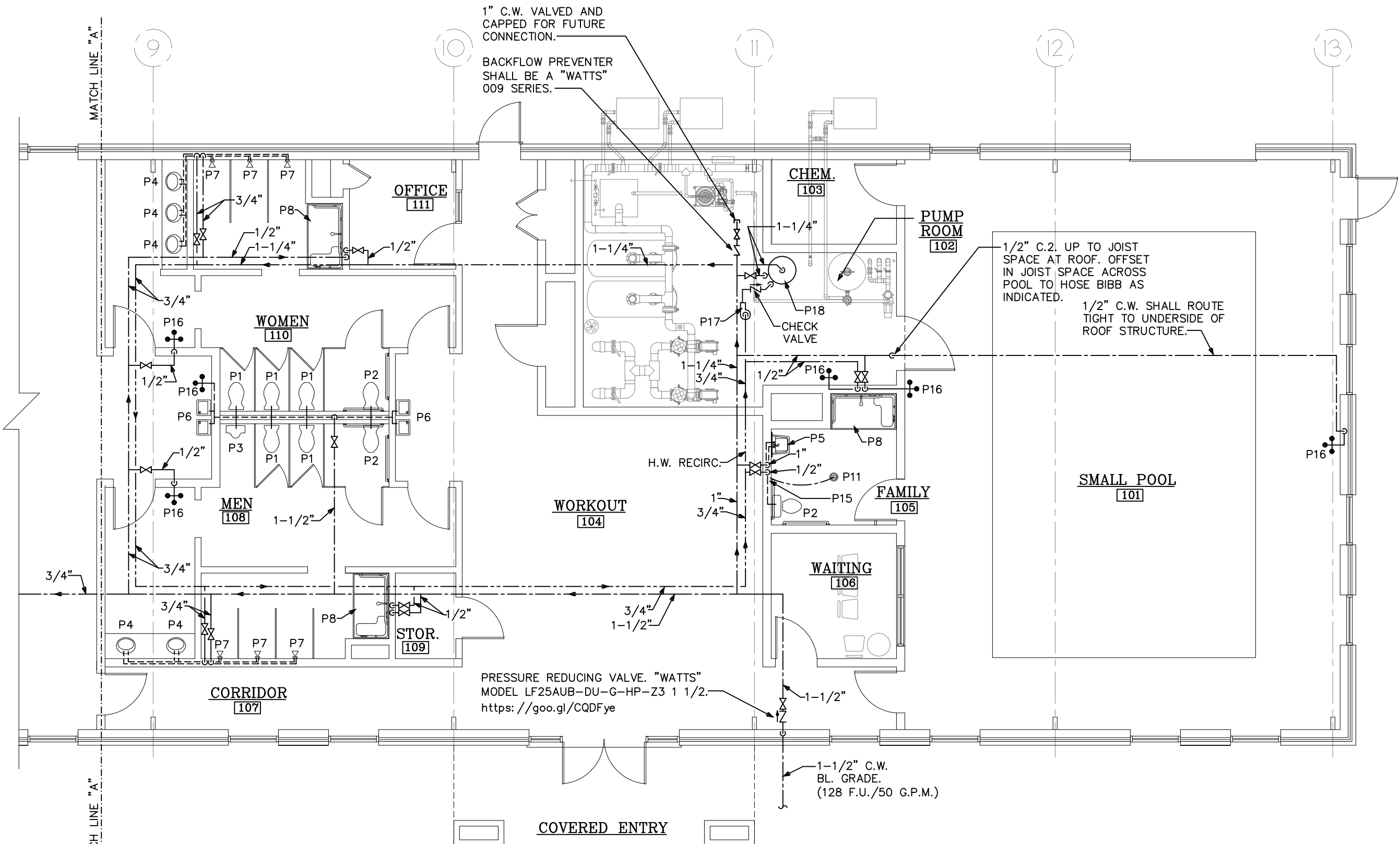
PLUMBING SYMBOLS LEGEND	
	FLOOR DRAIN
	HOSE BIBB
	CLEANOUT
	RELIEF VALVE
	AIR CHAMBER
	UNION
	SOIL OR WASTE LINE
	SANITARY VENT LINE
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC WATER RECIRCULATION
	PRESSURE & TEMP. RELIEF LINE
	CONDENSATE DRAIN LINE
	RAIN WATER LEADER
	GAS LINE
	SEWER/WASTE LINE
	FIRE PROTECTION
	SHUT OFF VALVE
	SAFEPAN LINE
	FIRE SPRINKLER HEAD
	PIPE TURN UP
	PIPE TURN DOWN
	P-TRAP

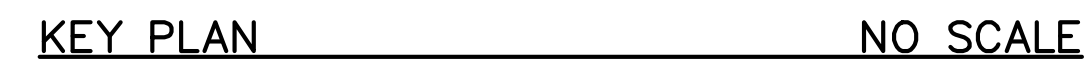
PLUMBING ABBREVIATION LEGEND					
DN.	DOWN	C.C.	CENTER TO CENTER	F.U.	FIXTURE UNITS
EXT.	EXTERIOR	N.T.S.	NOT TO SCALE	H.B.	HOSE BIBBS
F.D.	FLOOR DRAIN	MFR.	MANUFACTURER	C.O.	CLEANOUT
F.F.	FINISH FLOOR	S.O.V.	SHUT OFF VALVE	E.W.H.	ELECTRIC WATER HEATER
A.F.F.	ABOVE FINISH FLOOR	W.C.	WATER CLOSET	JAN.SK.	JANITOR SINK
V.T.R.	VENT THRU ROOF	LAV.	LAVATORY	P & T	PRESSURE & TEMPERATURE
TYP.	TYPICAL	SK.	SINK	RWL	RAIN WATER LEADER
R.D.	ROOF DRAIN	D.W.	DISH WASHER		
REV.	REVISION	E.D.F.	ELECTRIC DRINKING FOUNTAIN		
O.C.	ON CENTER	UR.	URINAL		

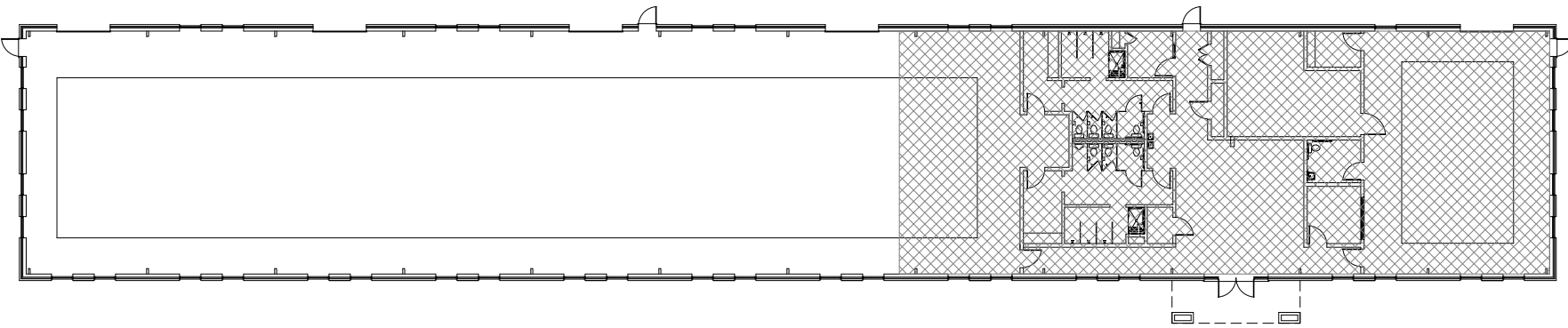
PLUMBING FIXTURE CONNECTION SIZES					
FIXTURE	C.W. CONN. SIZE	H.W. CONNECTION SIZE	SANITARY BRANCH SIZE	C.W. F.U.	H.W. F.U.
WATER CLOSET (PUBLIC FLUSH VALVE) (P1,P2)	1"	-	3"	10.0	-
URINAL (PUBLIC FLUSH VALVE) (P3)	3/4"	-	2"	5.0	-
LAVATORY (PUBLIC) (P4,P5)	1/2"	1/2"	1-1/4"	1.5	1.5
ELECTRIC WATER COOLER (P6)	1/2"	-	1-1/4"	0.5	-
SHOWER (PUBLIC) (P7,P8)	1/2"	1/2"	1-1/2"	3.0	3.0

NOTE: F.U. LOAD VALUES BASED ON 2012 NORTH CAROLINA PLUMBING CODE - APPENDIX E TABLE E103.3(2)

SPECIFIC PLUMBING NOTES	
1	1-1/2" WATER TIGHT DRAIN PIPE CONNECTED AT BOTTOM OF TRENCH. CONTRACTOR SHALL PROVIDE A 1-1/2" HOLE AT BOTTOM OF TRENCH WHERE INDICATED ON THE PLAN IN FIELD AS REQUIRED. * A BOTTOM OUTLET IS ATTACHED TO THE BOTTOM SIDE OF THE TRENCH DRAIN WITH PROVIDED SCREWS AND A SILICONE CAULK OR A CONSTRUCTION ADHESIVE. IT MAY BE NECESSARY TO REMOVE A UNDERSIDE RIB TO ALLOW THE OUTLET TO SIT FLAT. A HOLE SAW CAN BE USED TO CUT THE APPROPRIATE SIZE HOLE THROUGH THE BOTTOM OF THE TRENCH. REFER TO INSTALLATION INSTRUCTIONS LINKED IN THE PLUMBING FIXTURE SCHEDULE.







KEY PLAN NO SCALE

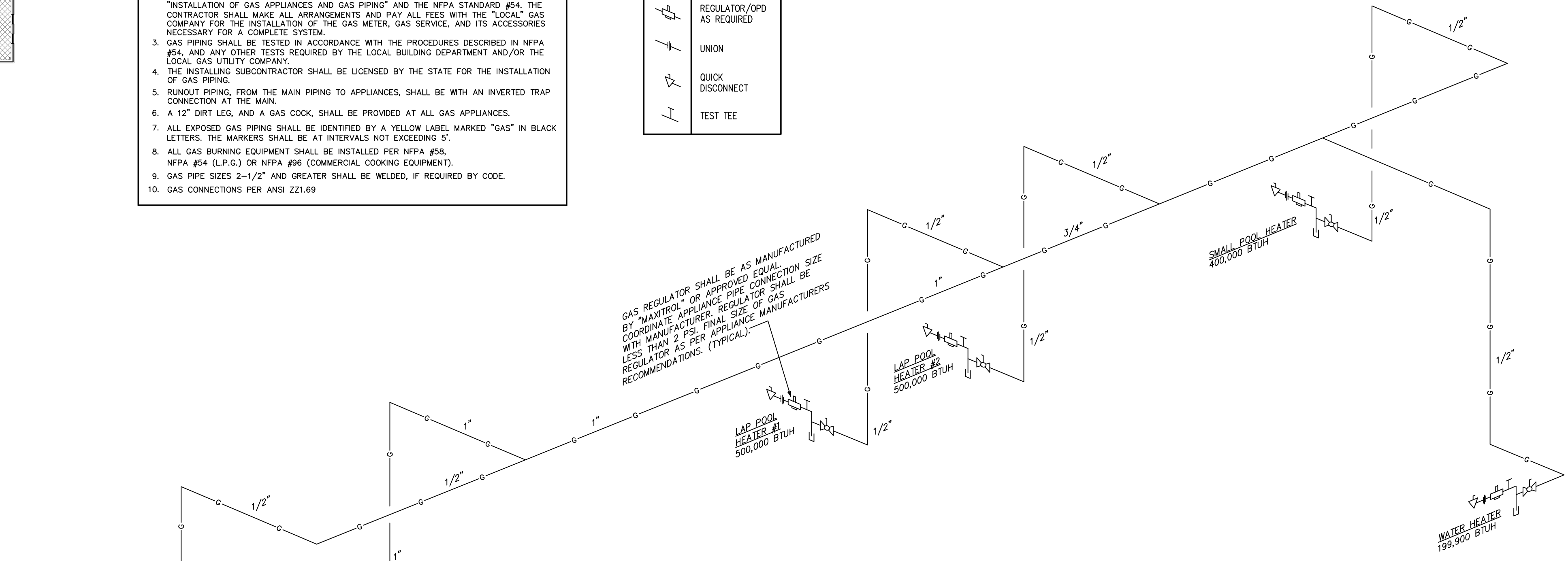
GENERAL GAS PIPING NOTES

1. GAS PIPING AND FITTINGS SHALL BE SEAMLESS BLACK STEEL WITH MALLEABLE IRON FITTINGS. DIELECTRIC COUPLINGS OR UNIONS SHALL BE UTILIZED WHEN PIPING OF DISSIMILAR METAL IS CONNECTED. EXTERIOR GAS PIPING ON ROOF SHALL BE PAINTED WITH YELLOW "RUSTOLEUM" PAINT. EXPOSED GAS PIPING ON BACK WALL SHALL BE "RUSTOLEUM", PAINTED TO MATCH BUILDING. GAS PIPING CONNECTIONS SHALL BE THREADED UNLESS OTHERWISE REQUIRED BY CODE.
2. GAS PIPING SYSTEM SHALL BE INSTALLED TO THE REQUIREMENTS OF THE AGA PAMPHLET "INSTALLATION OF GAS APPLIANCES AND GAS PIPING" AND THE NFPA STANDARD #54. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS AND PAY ALL FEES WITH THE "LOCAL" GAS COMPANY FOR THE INSTALLATION OF THE GAS METER, GAS SERVICE, AND ITS ACCESSORIES NECESSARY FOR A COMPLETE SYSTEM.
3. GAS PIPING SHALL BE TESTED IN ACCORDANCE WITH THE PROCEDURES DESCRIBED IN NFPA #54, AND ANY OTHER TESTS REQUIRED BY THE LOCAL BUILDING DEPARTMENT AND/OR THE LOCAL GAS UTILITY COMPANY.
4. THE INSTALLING SUBCONTRACTOR SHALL BE LICENSED BY THE STATE FOR THE INSTALLATION OF GAS PIPING.
5. RUNOUT PIPING, FROM THE MAIN PIPING TO APPLIANCES, SHALL BE WITH AN INVERTED TRAP CONNECTION AT THE MAIN.
6. A 12" DIRT LEG, AND A GAS COCK, SHALL BE PROVIDED AT ALL GAS APPLIANCES.
7. ALL EXPOSED GAS PIPING SHALL BE IDENTIFIED BY A YELLOW LABEL MARKED "GAS" IN BLACK LETTERS. THE MARKERS SHALL BE AT INTERVALS NOT EXCEEDING 5'.
8. ALL GAS BURNING EQUIPMENT SHALL BE INSTALLED PER NFPA #58, NFPA #54 (L.P.G.) OR NFPA #96 (COMMERCIAL COOKING EQUIPMENT).
9. GAS PIPE SIZES 2-1/2" AND GREATER SHALL BE WELDED, IF REQUIRED BY CODE.
10. GAS CONNECTIONS PER ANSI Z21.69

GAS PIPE LEGEND

	BALL VALVE
	DRIP LEG
	REGULATOR/OPD AS REQUIRED
	UNION
	QUICK DISCONNECT
	TEST TEE

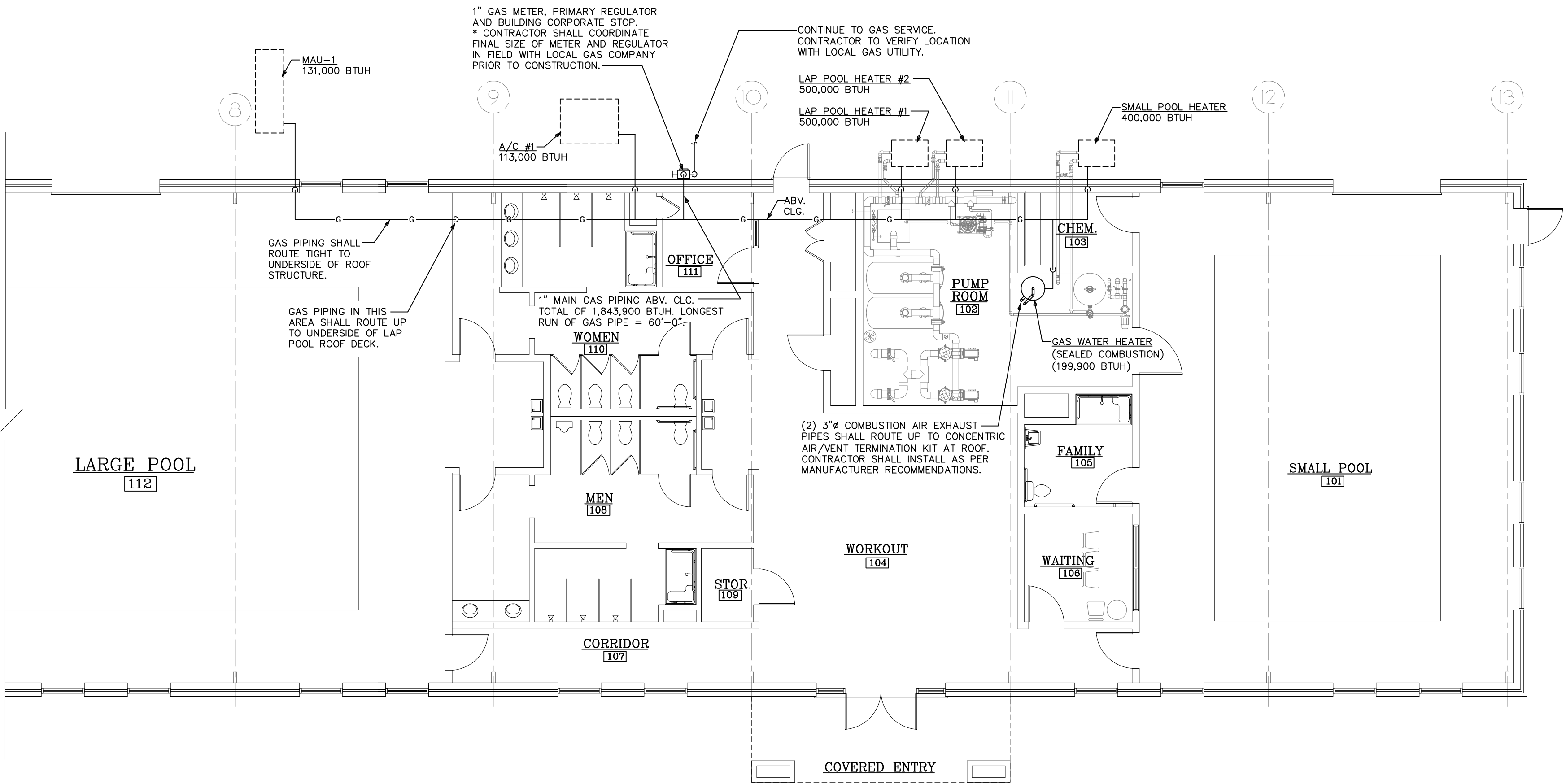
NOTE:
ALL NATURAL GAS PIPING IS SIZED BASED ON GAS PIPING WITH AND INITIAL PRESSURE OF 2 PSI. GAS PIPING IS SIZED AS PER 2012 NFGC TABLE 402.4(3).
* CONTRACTOR SHALL VERIFY FINAL GAS PRESSURES AND CONNECTIONS IN FIELD WITH LOCAL GAS COMPANY.



2 GAS PIPING ISOMETRIC NO SCALE

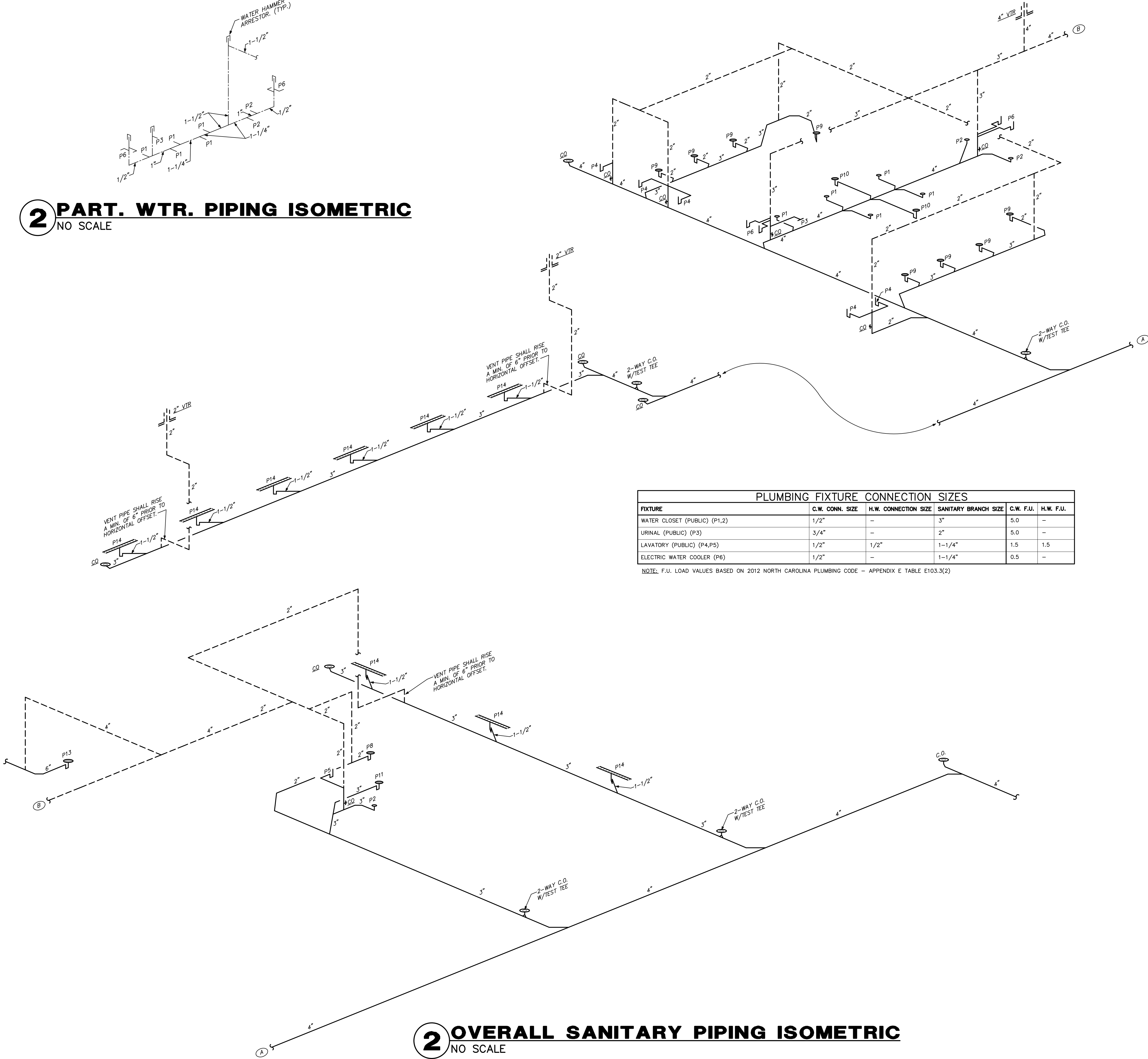
GENERAL PLUMBING NOTES

1. DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL PLUMBING FIXTURES, EQUIPMENT, ETC. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR A COMPLETE AND ACCEPTABLE WORKING INSTALLATION. CONTRACTOR IS RESPONSIBLE TO INSTALL ALL FIXTURES AND EQUIPMENT IN STRICT COMPLIANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. THIS REQUIREMENT IS TO SUPERSEDE ANY DETAILS OR INFORMATION CONTAINED ON THESE DRAWINGS.
2. ALL WORK AND MATERIALS SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL, STATE, AND ALL LOCAL CODES AND ORDINANCES HAVING JURISDICTION.
3. THE PLUMBING CONTRACTOR SHALL VISIT THE SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS. ALL EXECUTION AND BACKFILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS CONTRACT.
4. ALL MATERIAL SHALL BE NEW.
5. ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY ENGINEER/ARCHITECT.
6. ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY OR PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
7. THE PLUMBING CONTRACTOR SHALL SECURE AND PAY ALL PERMIT FEES, INSPECTIONS, AND TESTS.
8. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
9. THE PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN (1) ONE YEAR FROM DATE OF ACCEPTANCE. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
10. VERIFY LOCATION, SIZE AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. ADVISE ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
11. ALL FIXTURES SHALL BE PROVIDED WITH READILY ACCESSIBLE STOPS.
12. ALL BELOW FLOOR SLAB WATER PIPING SHALL BE FLEXIBLE "TEMPRITE PEX (CROSS-LINKED POLYETHYLENE)" INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS FOUND HERE: WWW.LUBRIZOL.COM. ALL ABOVE SLAB WATER PIPING SHALL BE "FLOWGUARD GOLD CPVC" INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS FOUND HERE: WWW.FLOWGUARDGOLD.COM. ALL WATER PIPING AS SPECIFIED OR APPROVED EQUAL, ALL 2" WATER PIPING SHALL BE TYPE "L" COPPER AND TYPE "K" COPPER FOR 2 1/2" AND LARGER, (OR APPROVED EQUAL).
13. SOIL, WASTES AND VENT PIPING SHALL BE PVC #40 DMV. WASTE AND VENT PIPING ABOVE SLAB SHALL BE PVC, IF APPROVED BY LOCAL AUTHORITIES HAVING JURISDICTION, OTHERWISE CAST IRON. PVC SHALL NOT BE INSTALLED IN A/C RETURN AIR PLENUM OR PENETRATE FIRE RATED WALLS OR FLOORS.
15. FURNISH AND INSTALL APPROVED WATER HAMMER ARRESTORS AT EACH GROUP OF FIXTURES. INSTALLATION OF WATER HAMMER ARRESTORS SHALL CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS. PROVIDE AND INSTALL AN APPROVED WATER HAMMER ARRESTOR AT EACH FIXTURE OR DEVICE THAT HAS A SOLENOID WATER CONTROL VALVE.
16. PROVIDE CHROME PLATED COMBINATION COVERED PLATE AND CLEANOUT PLUG FOR ALL WALL CLEANOUTS, JOSAM 58890.
17. INSULATE LINES AS FOLLOWS:
A.) 1-1/2" THICK ARMAFLEX PREFORMED INSULATION SHALL BE PROVIDED ON BOTH C.W. & H.W. WHEN PIPING IS LOCATED OUTSIDE OF THE INSULATED BUILDING ENVELOPE.
B.) 1-1/2" THICK ARMAFLEX PREFORMED INSULATION SHALL BE PROVIDED ON HW PIPING & H.W. RECIRC. PIPING, ONLY WHEN THERE IS A H.W. RECIRCULATING PIPING SYSTEM.



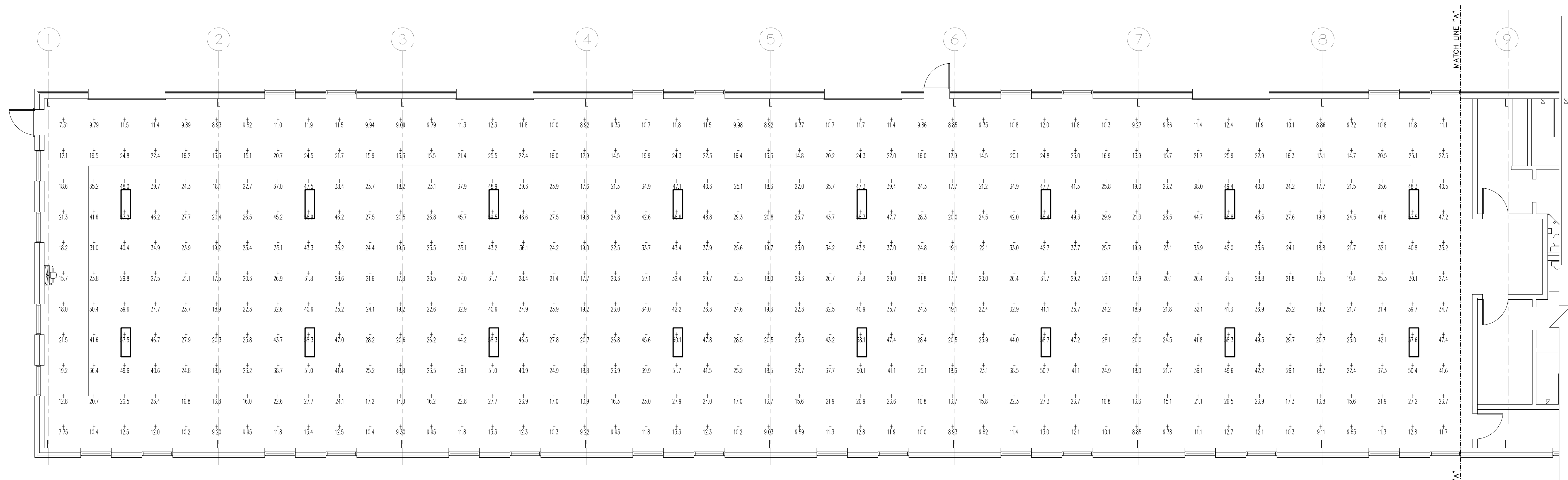
2 PARTIAL FLOOR PLAN - GAS PIPING SCALE: 1/8"=1'-0"

PLUMBING FIXTURE SCHEDULE	
P-1 (FLOOR MOUNTED FLUSH VALVE WATER CLOSET) SHALL BE AM AMERICAN STANDARD MADERA FLUSH VALVE TOILET MODEL 3451.001 15" HIGH, 1.28 GPF, VITREOUS CHINA. FLUSH VALVE SHALL BE A "SLOAN ROYAL" MODEL 111-1.28. TOILET SEAT SHALL BE "BEMIS MODEL 3155SSCT EXTRA HEAVY WEIGHT. WATER CLOSET: https://goo.gl/pBn5M3 FLUSH VALVE: https://goo.gl/pBn5M3	
P-2 (ADA FLOOR MOUNTED FLUSH VALVE WATER CLOSET) SHALL BE AM AMERICAN STANDARD MADERA FLUSH VALVE TOILET MODEL 3461.001 16-1/2" HIGH, 1.28 GPF, VITREOUS CHINA. FLUSH VALVE SHALL BE A "SLOAN ROYAL" MODEL 111-1.28. TOILET SEAT SHALL BE "BEMIS MODEL 3155SSCT EXTRA HEAVY WEIGHT. WATER CLOSET: https://goo.gl/X1h6cE FLUSH VALVE: https://goo.gl/pBn5M3	
P-3 (ADA URINAL AND FLUSH VALVE) SHALL BE AN AMERICAN STANDARD WASHBROOK MODEL 6590.001 3/4" TOP SPUD. FLUSH VALVE SHALL BE A "SLOAN ROYAL" MODEL 186-0.5 3/4" TOP SPUD. CARRIER SHALL BE A "ZURN" Z1222 SERIES WALL URINAL SUPPORT WITH TOP AND BOTTOM SUPPORT PLATES. URINAL: https://goo.gl/xnTBU FLUSH VALVE: https://goo.gl/vuwfBq	
P-4 (ADA COUNTER TOP LAVATORY) SHALL BE AN AMERICAN STANDARD MODEL AQUALYN MODEL 0475.047 VITREOUS CHINA SELF-RIMMING. FAUCET SHALL BE A T&S BRASS MODEL B-0831-02VR-PA, POLISHED BRASS WITH 0.5 GPM VANDAL-RESISTANT AERATOR, ABOVE-DECK MIXING AND SELF CLOSING, PUSH-LEVER VALVES. TRAP SHALL BE A "MCQUIRE" MODEL 155WC STRAINER WITH 1-1/4" OFFSET TAILPIECE. INCLUDE TRUEBRO LAV GUARD 2 MODEL 103 E-Z UNDERSINK PIPING COVERS WITH P-TRAP COVER. LAVATORY: https://goo.gl/4Fxfiv FAUCET: https://goo.gl/9WxrEq	
P-5 (ADA WALL HUNG TOP LAVATORY) SHALL BE AN AMERICAN STANDARD MODEL AQUALYN MODEL 0355.012 VITREOUS CHINA SELF-RIMMING. FAUCET SHALL BE A T&S BRASS MODEL B-0831-02VR-PA, POLISHED BRASS WITH 0.5 GPM VANDAL-RESISTANT AERATOR, ABOVE-DECK MIXING AND SELF CLOSING, PUSH-LEVER VALVES. TRAP SHALL BE A "MCQUIRE" MODEL 155WC STRAINER WITH 1-1/4" OFFSET TAILPIECE. INCLUDE TRUEBRO LAV GUARD 2 MODEL 103 E-Z UNDERSINK PIPING COVERS WITH P-TRAP COVER. CARRIER SHALL BE A "ZURN" Z1231 SERIES CONCEALED ARM SYSTEM FOR WALL LAVATORIES. LAVATORY: https://goo.gl/4Fxfiv FAUCET: https://goo.gl/9WxrEq	
P-6 (ADA ELECTRIC WATER COOLER COMBINATION HI/O & WALL CARRIER) SHALL BE AN ELKAY MODEL EZSTL8SC, SPLIT LEVEL TWO STATION WATER COOLER WITH BARRIER FREE ACCESS, 8.0 GPH, 5.0 FLA AT 120 VOLT. WITH ACCESSORY IN-WALL CARRIER ELKAY MODEL MUF200. WATER COOLER: https://goo.gl/FCIqno WALL CARRIER: https://goo.gl/grRUz	
P-7 (SHOWER HEAD AND MIXING VALVE) SHALL BE A "SYMMONS" TEMPTROL SHOWER SYSTEM MODEL C-96-1-X, PRESSURE-BALANCING MIXING VALVE WITH LEVER HANDLE, INTEGRAL SERVICE STOPS, CAST BRASS ADJUSTABLE SPRAY SHOWER HEAD WITH ARM AND FLANGE. MAXIMUM SHOWER HEAD FLOW RATE 1.5 GPM. *TILE SHOWER STALL CONSTRUCTED BY G.C. SHWR. HEAD/MIXING VALVE: https://goo.gl/qyGqgl	
P-8 (HANDICAPPED SHOWER STALL AND MIXING VALVE) SHOWER STALL SHALL BE A "FLOORSTONE" MODEL 3 PC 35-62H. (O.D. = 62" X 34" X 80"). ONE-PIECE GEL-COATED FIBERGLASS SHOWER STALL DESIGNED FOR BARRIER-FREE USE. AS MANUFACTURED BY FLORESTON PRODUCTS COMPANY. BASIC SHOWER WILL CONFORM TO ANSI-Z-124.2 AND THE ACCESSORIZED MODULE TO ANSI-A-117.1. UNIT TO INCLUDE STAINLESS STEEL CURTAIN ROD; SYMMONS®PRESSURE BALANCE MIXING VALVE WITH CONCEALED CHECK STOPS; MOEN®HAND-HELD SHOWER HEAD WITH HOSE AND STAINLESS STEEL SLIDE BAR/GRAB BAR, STAINLESS STEEL CORNER GRAB BAR, STAINLESS STEEL RECESSED SOAP DISH, WHITE NAUGAHYDE FOLDING WHEELCHAIR TRANSFER SEAT. SHOWER, MIXING VALVE & HEAD: https://goo.gl/ZyVnAM	
P-9 (SHOWER FLOOR DRAIN) SHALL BE A "ZURN" MODEL Z415B-2, CAST IRON BODY, MEMBRANE CLAMP, ADJUSTABLE COLLAR, 6" DIAMETER "TYPE B" POLISHED BRONZE STRAINER, W/2" OUTLET. FLOOR DRAIN: https://goo.gl/xDPzdu	
P-10 (FLOOR DRAIN) SHALL BE A "ZURN" MODEL Z415B-2, CAST IRON BODY, MEMBRANE CLAMP, ADJUSTABLE COLLAR, 6" DIAMETER "TYPE B" POLISHED BRONZE STRAINER, W/3" OUTLET. FLOOR DRAIN: https://goo.gl/xDPzdu	
P-11 (FLOOR DRAIN W/TRAP PRIMER) SHALL BE A "ZURN" MODEL Z415B-3-P, CAST IRON BODY, MEMBRANE CLAMP, ADJUSTABLE COLLAR, 6" DIAMETER "TYPE B" POLISHED BRONZE STRAINER, 1/2" TRAP PRIMER CONNECTION. W/3" OUTLET. FLOOR DRAIN: https://goo.gl/xDPzdu	
P-12 (STAINLESS STEEL POOL EQUIPMENT ROOM FLOOR DRAIN) SHALL BE A "ZURN" MODEL Z1731 HEAVY DUTY FLORO DRAIN, TYPE 304 STAINLESS STEEL BODY WITH INTEGRAL ANCHOR FLANGE, TYPE 304 STAINLESS STEEL NON-TILT GRATE. W/3" OUTLET. FLOOR DRAIN: https://goo.gl/kpHS4K	
P-13 (POOL EQUIPMENT ROOM PIT FLOOR DRAIN) SHALL BE A "ZURN" MODEL Z503 15" DIAMETER HEAVY DUTY AREA DRAIN, COATED CAST IRON BODY W/6" OUTLET AND ANTI-TILT SLOTTED GRATE. FLOOR DRAIN: https://goo.gl/sTcnYP	
P-14 (POOL DECK TRENCH DRAIN) SHALL BE A "ZURN" Z880 2 1/2" WIDE TRENCH DRAIN SYSTEM SHALL BE CONTINUOUS AS PER PLAN. DRAIN SHALL BE 3" DEEP. DRAIN SHALL BE MADE OF (HDPE) HIGH DENSITY POLYETHYLENE, AND IS UV-10 STABILIZED. DRAIN SHALL HAVE BEDDING FEET TO BE USED FOR POSITIONING AND ANCHORING PURPOSES, TONGUE AND GROOVE SNAP FIT CONNECTION, 24" LONG HIGH-DENSITY POLYETHYLENE DECORATIVE GRATE PROVIDED AS STANDARD. INSTALL AS PER MANUFACTURER RECOMMENDATIONS AND AS NOTED ON PLANS. TRENCH DRAIN: https://goo.gl/Pbgahj INSTALLATION: https://goo.gl/s9HDmt	
P-15 (AUTOMATIC TRAP PRIMER) SHALL BE A IPS CORPORATION "SIOUX CHIEF" MODEL 695 TRAP PRIMER WITH VACUUM BREAKER. AUTOMATIC TRAP PRIMER VALVE SHALL ACTIVATE WITH A 10 PSIG PRESSURE DROP BETWEEN 30-150 PSIG. DRAIN: https://goo.gl/WqkVxK	
P-16 (INTERIOR HOSE BIBB W/HYDRANT BOX) SHALL BE A "PRIER" MODEL C-255CP.50 WITH INTEGRAL P-002 VACUUM BREAKER, 1/2" FLANGED THREADED INLET, 3/4" HOSE THREAD OUTLET, LOOSE KEY OPERATION, VACUUM BREAKER BACKFLOW CHECK VALVE. W/OPTIONAL HYDRANT BOX MODEL C-155BX2. HOSE BIBB: https://goo.gl/9RTxRb	
P-17 (HOT WATER CIRCULATOR PUMP W/REMOTE TIMER) SHALL BE A "GRUNDFOS" MODEL #007-F5, GRAINGER ITEM #4PC90, INLINE CIRCULATOR PUMP, CLOSED LOOP SYSTEM, 1/25 HP, 1 PHASE, VOLTAGE 115, 3/4" INLET/OUTLET, WET ROTOR MAINTENANCE FREE. TIMER SHALL BE A "INTERMATIC" MODEL #MIL72EQU2H-120, GRAINGER ITEM #20XF62, 120V/1ø, 21 AMPS, MAX. TIME SETTING: 23 HR. 45 MIN. RECIRCULATING PUMP: https://goo.gl/eyRJUI TIMER: https://goo.gl/6T2Jv2	
P-18 (GAS WATER HEATER - DIRECT VENT - SEALED COMBUSTION) SHALL BE A STATE "A.O. SMITH" MODEL BTH-199 GAS FIRED COMMERCIAL WATER HEATER, 99,900 BTU INPUT TO PRODUCE 294 GALLONS PER HOUR OF HOT WATER AT 80 DEGREE RISE. INSULATED GLASSLINED 100 GALLON STORAGE TANK. WATER HEATER SHALL MEET OR EXCEED ALL APPLICABLE SECTIONS OF ASHRAE SECTIONS 90-80A AND NAECA REQUIREMENTS FOR ENERGY CONSERVATION. WATER HEATER PROVIDED WITH OPTIONAL CONCENTRIC VENT KIT. WATER HEATER: https://goo.gl/TyLKXF	
NOTES: 1.) ALL PLUMBING FIXTURES SHALL BE AS SPECIFIED OR APPROVED EQUAL. 2.) PROVIDE ANGLE STOPS ON ALL WATER SERVICE LINES TO FIXTURES FOR INDIVIDUAL SHUT-OFF.	



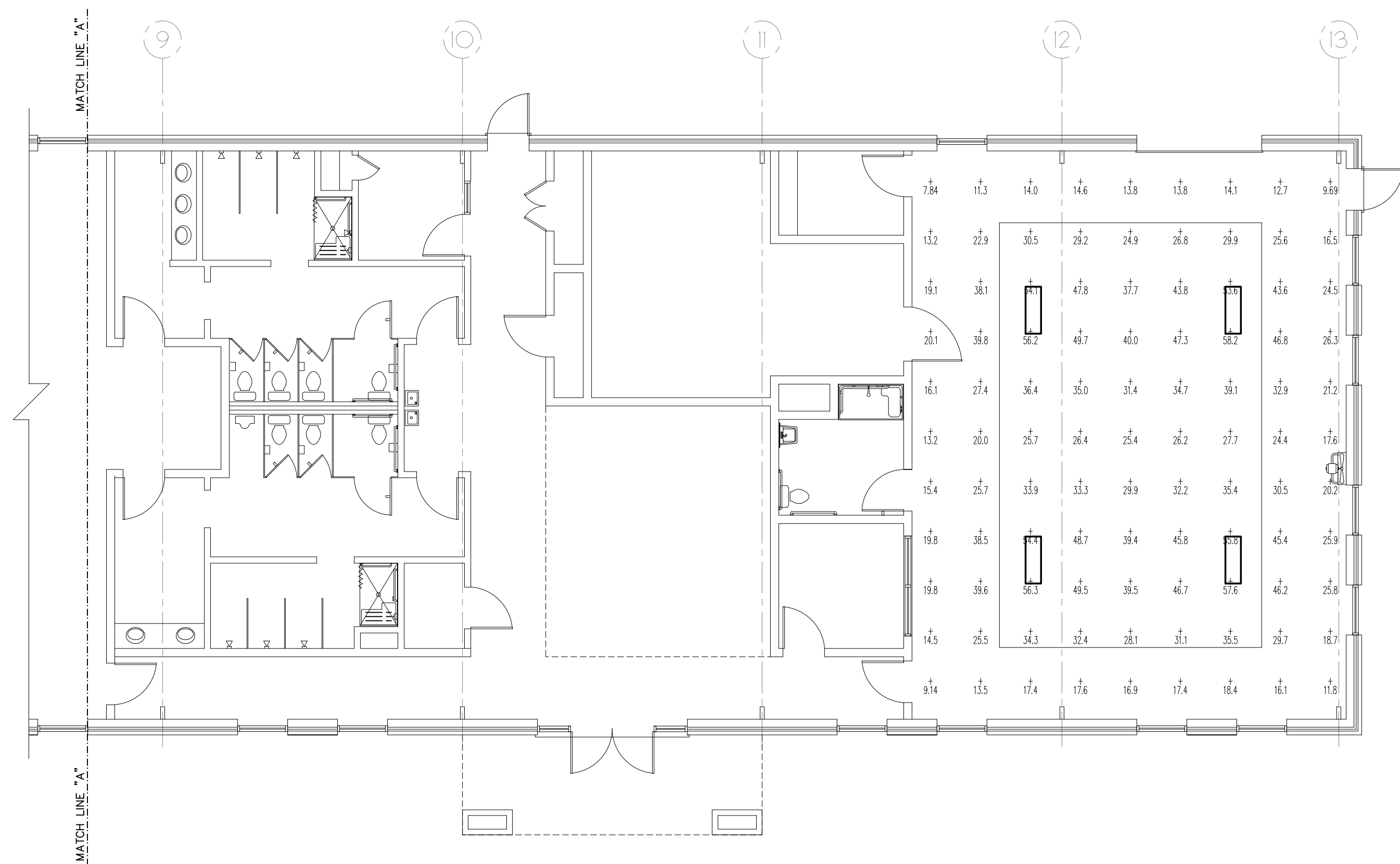
PLUMBING FIXTURE CONNECTION SIZES					
FIXTURE	C.W. CONN. SIZE	H.W. CONNECTION SIZE	SANITARY BRANCH SIZE	C.W. F.U.	H.W. F.U.
WATER CLOSET (PUBLIC) (P1,2)	1/2"	-	3"	5.0	-
URINAL (PUBLIC) (P3)	3/4"	-	2"	5.0	-
LAVATORY (PUBLIC) (P4,P5)	1/2"	1/2"	1-1/4"	1.5	1.5
ELECTRIC WATER COOLER (P6)	1/2"	-	1-1/4"	0.5	-

NOTE: F.U. LOAD VALUES BASED ON 2012 NORTH CAROLINA PLUMBING CODE - APPENDIX E TABLE E103.3(2)



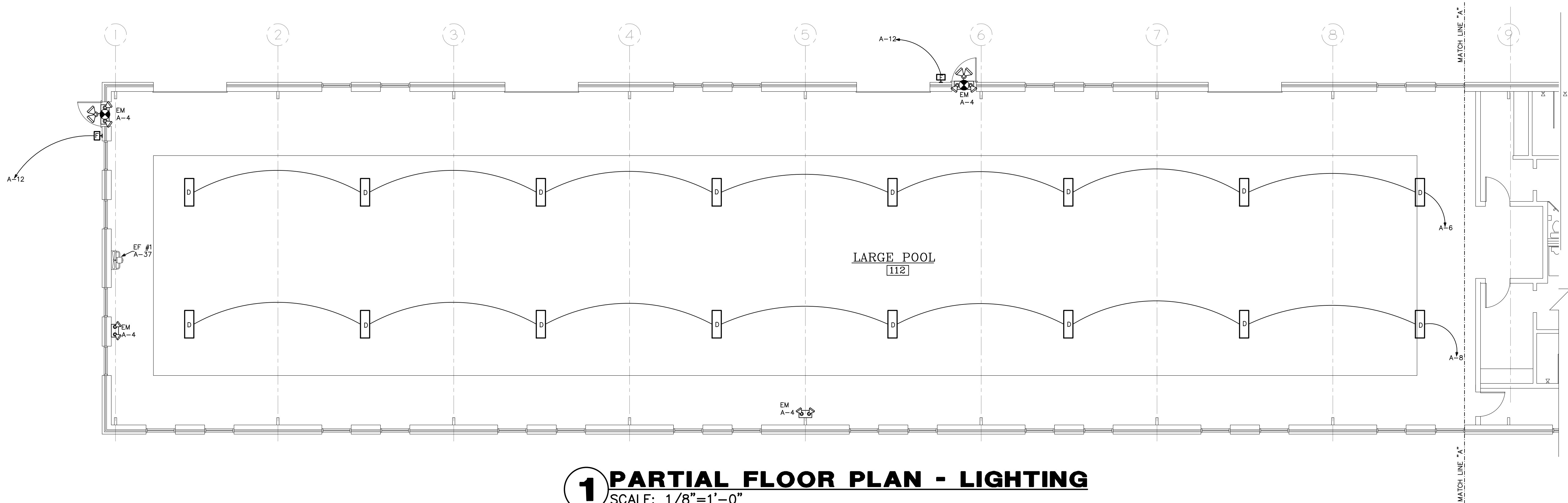
1 PARTIAL FLOOR PLAN - LIGHTING PHOTOMETRIC
SCALE: 1/8"=1'-0"

CALCULATION SUMMARY							
AREA NAME	F.F.T.Y.	SPAC.	GROUP	FAK	MAX	MIN	MAX/MIN F.A.C. MIN.
Pool Area	805	4.00	<4>	28.51	60.08	7.31	8.20 / 3.83
IESA Supp. Center (BRI3) LUMINAIRE SCHEDULE							
TYPE	POWER	DESCRIPTION	LAMP	LUMENS	ULC	FOY	
A	100W	Along Lighting 180 Linear LED (1) 1' LWSBLED4WD	(1)	14616	0.85	20	
AREA SUMMARY SCHEDULE							
AREA NAME	1/2" DIMENSIONS	LUMS / 250WS	UNITS / SCHED	FOY			
Pool Area	11'0" 196.100 SQ.FOOT/200FT	134	> 120	10.15			

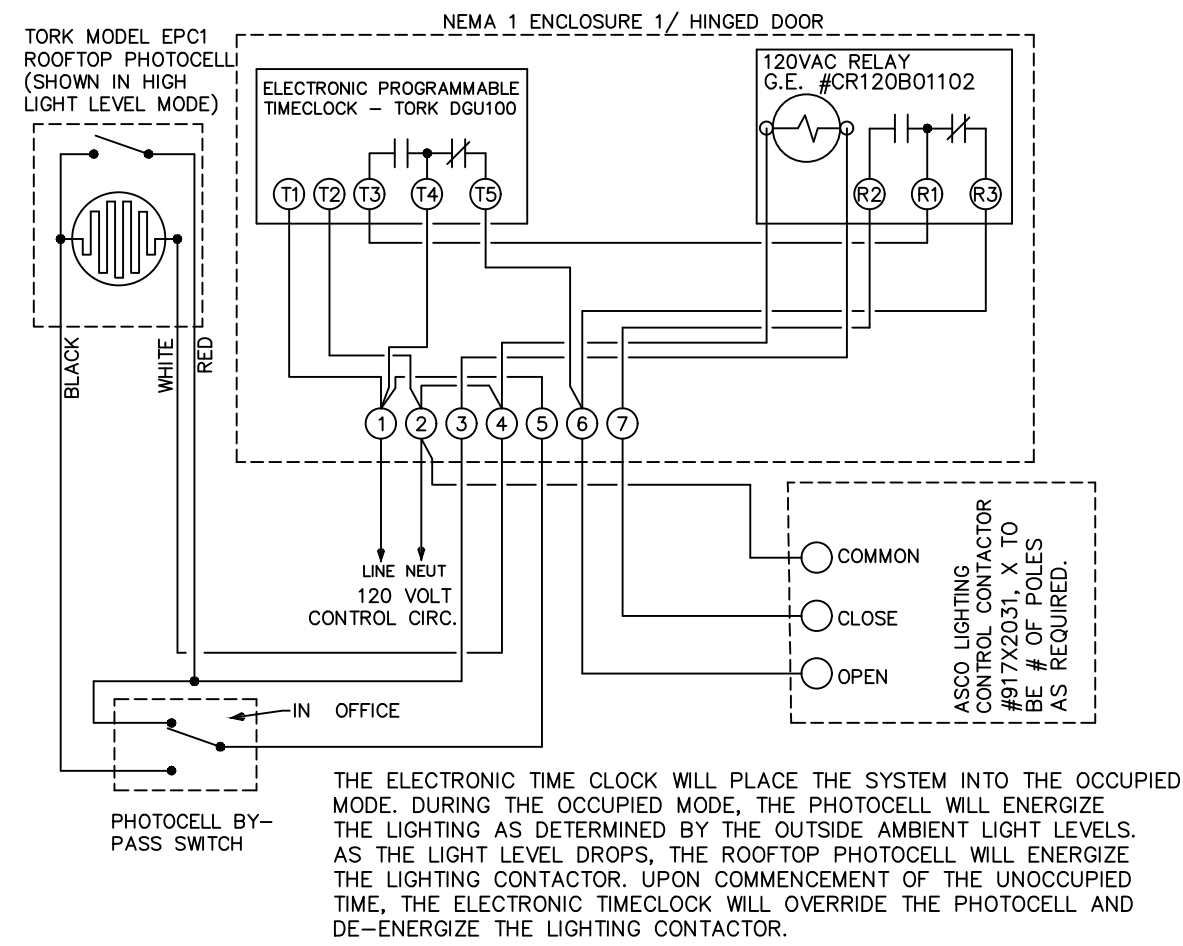


2 PARTIAL FLOOR PLAN - LIGHTING PHOTOMETRIC
SCALE: 1/8"=1'-0"

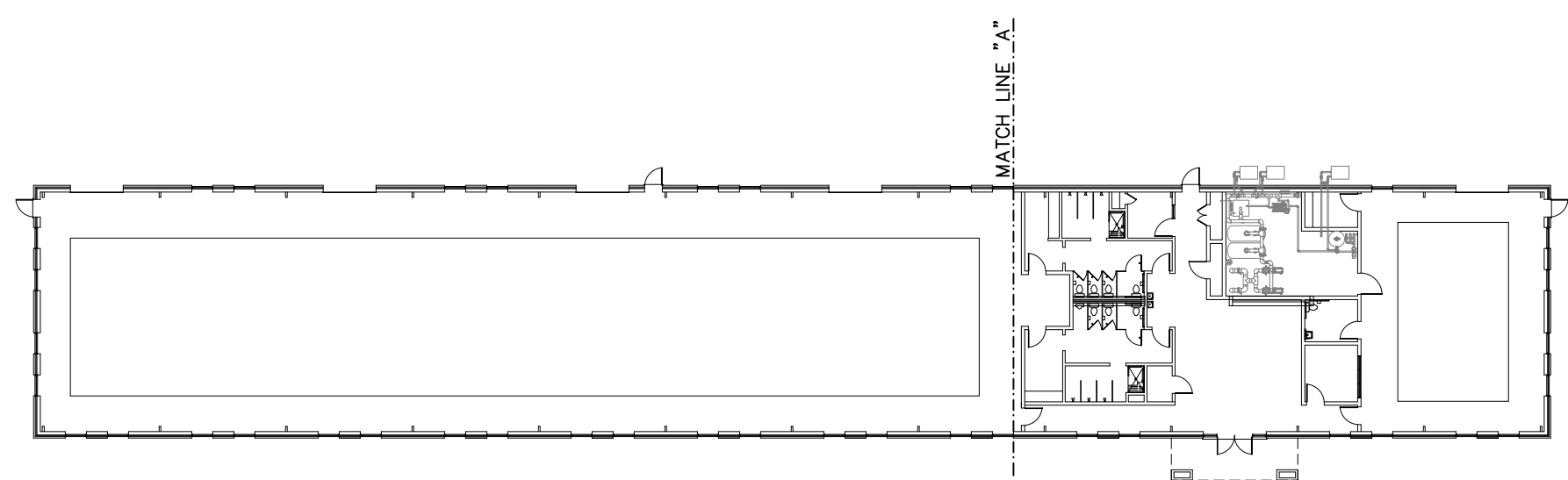
LIGHTING FIXTURE SCHEDULE							
LABEL	TYPE OF FIXTURE	FINISH	LENS TYPE	VOLTAGE	LAMP	MANUFACTURER & MODEL NO.	REMARKS
A	RECESSED LED 2'X4' TROFFER	WHITE	4000 LUMENS	120	32 W	LITHONIA 2ACL4-40L-EZ1-LP835	
B	4" LED DOWNLIGHT	SPECULAR	2500 LUMENS	120	30 W	LITHONIA LDN4-35/25-L04AR-LS-MVOLT-EZ1-WL	WL - WET LOCATION
C	4' LED STRIPLIGHT	WHITE	4000 LUMENS	120	38 W	LITHONIA CDS-L48-MVOLT-DM-35K-80CRI-WH	
D	4' LED INDUSTRIAL		15370 LUMENS	120	126.2 W	ATLAS ILW130LED4WD	
EM	EMERGENCY EGRESS	WHITE		120	INCLUDED	LITHONIA ELM2	W/ BATTERY BACKUP
EX1	EXIT SIGN w/ REM HEAD	WHITE		120	INCLUDED	LITHONIA LHQM LED R	W/ MODEL ELATQ DUAL REMOTE HEAD, 90 MIN BATTERY
EX	EXIT SIGN	WHITE	RED	120	INCLUDED	LITHONIA LE-SW2R-120/277-ELN	W/ BATTERY BACKUP
F	LED WALL SCONCE	BRONZE	6000 LUMENS	120	50 W	LITHONIA WST LED-P3-30K-YW-MVOLT-DOBXD	PE - PHOTOCELL



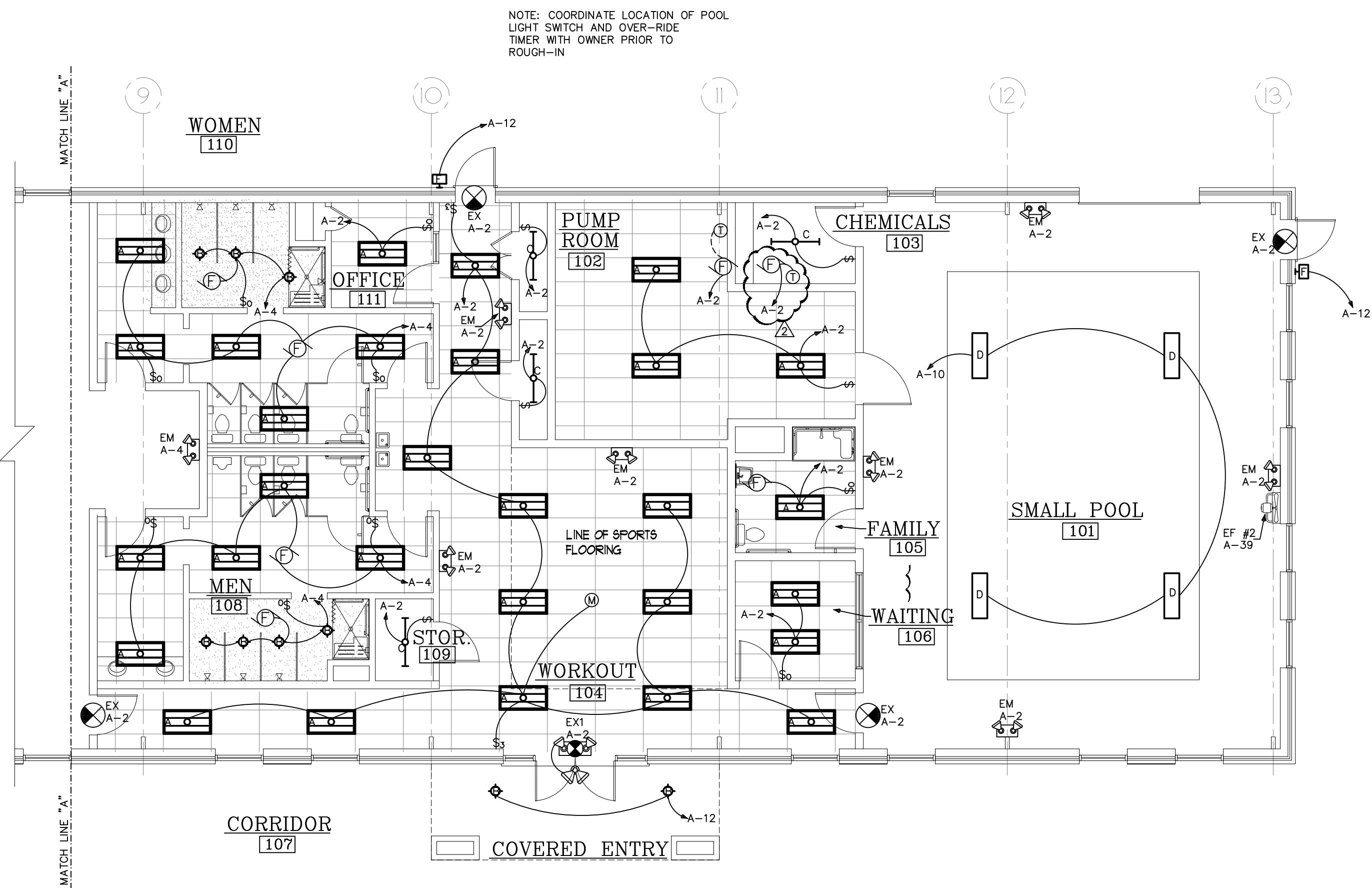
1 PARTIAL FLOOR PLAN - LIGHTING
SCALE: 1/8"=1'-0"



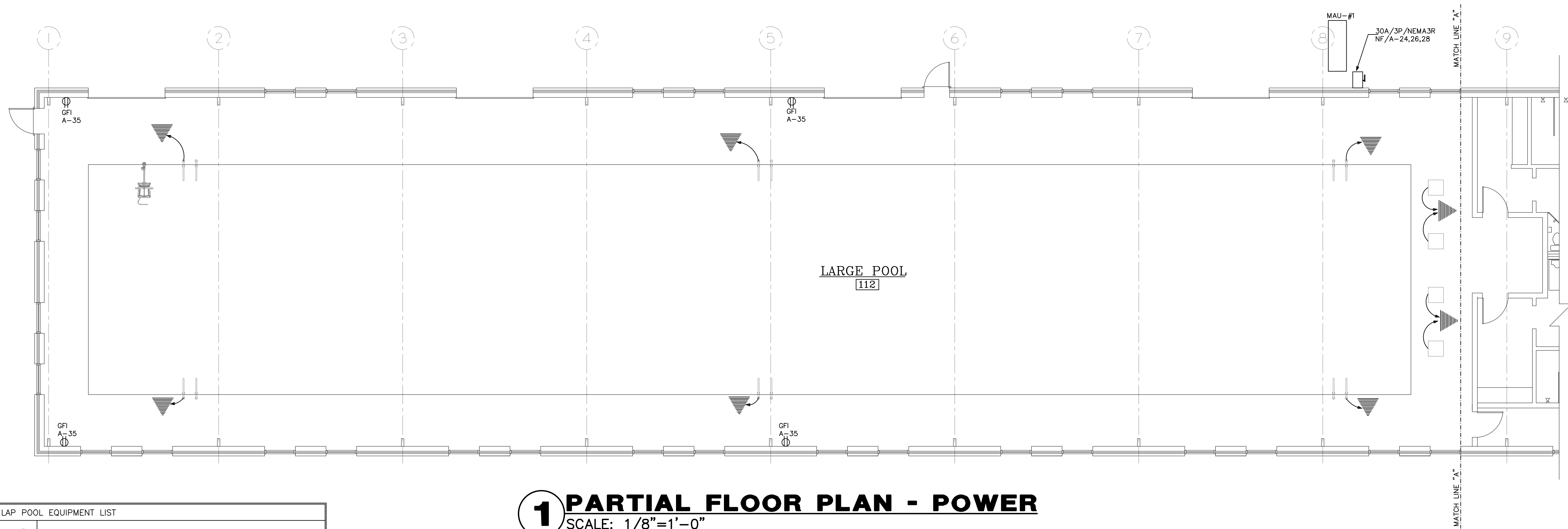
ELECTRICAL SYSTEM AND EQUIPMENT	
METHOD OF COMPLIANCE	
PREScriptive ☒	PERFORMANCE ☐ ENERGY COST BUDGET ☐
PROVIDE A STANDARD RISER DIAGRAM WHICH INDICATES DESIGNATED POINTS FOR CHECK METERING. PROVIDE A STANDARD PANEL SCHEDULE DESCRIPTION WHICH IDENTIFIES DIFFERENT ENDUSE LOADS.	
LIGHTING SCHEDULE	
LAMP TYPE REQUIRED IN FIXTURE	SEE SCHEDULE ON DRAWINGS
NUMBER OF LAMPS IN FIXTURE	SEE SCHEDULE ON DRAWINGS
BALLAST TYPE USED IN FIXTURE	SEE SCHEDULE ON DRAWINGS
NUMBER OF BALLASTS IN FIXTURE	SEE SCHEDULE ON DRAWINGS
TOTAL WATTAGE PER FIXTURE	SEE SCHEDULE ON DRAWINGS
TOTAL INTERIOR WATTAGE SPECIFIED VS ALLOWED 3815.00 VS 16827.33	
TOTAL EXTERIOR WATTAGE SPECIFIED VS ALLOWED	N/A
EQUIPMENT SCHEDULES WITH MOTORS (NOT USED FOR MECHANICAL SYSTEMS)	
MOTOR HORSEPOWER	N/A
NUMBER OF PHASES	N/A
MINIMUM EFFICIENCY	N/A
MOTOR TYPE	N/A
NUMBER OF POLES	N/A
DESIGNER STATEMENT:	
TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE ELECTRICAL SYSTEM AND EQUIPMENT REQUIREMENTS OF THE NORTH CAROLINA ENERGY CODE 2012, CHAPTER 5.	
SIGNED: _____	
NAME: TODD W. CAREY, P.E.	
TITLE: NORTH CAROLINA PROFESSIONAL ENGINEER #9079	



KEY PLAN NO SCALE



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



1 PARTIAL FLOOR PLAN - POWER

SCALE: 1/8"=1'-0"

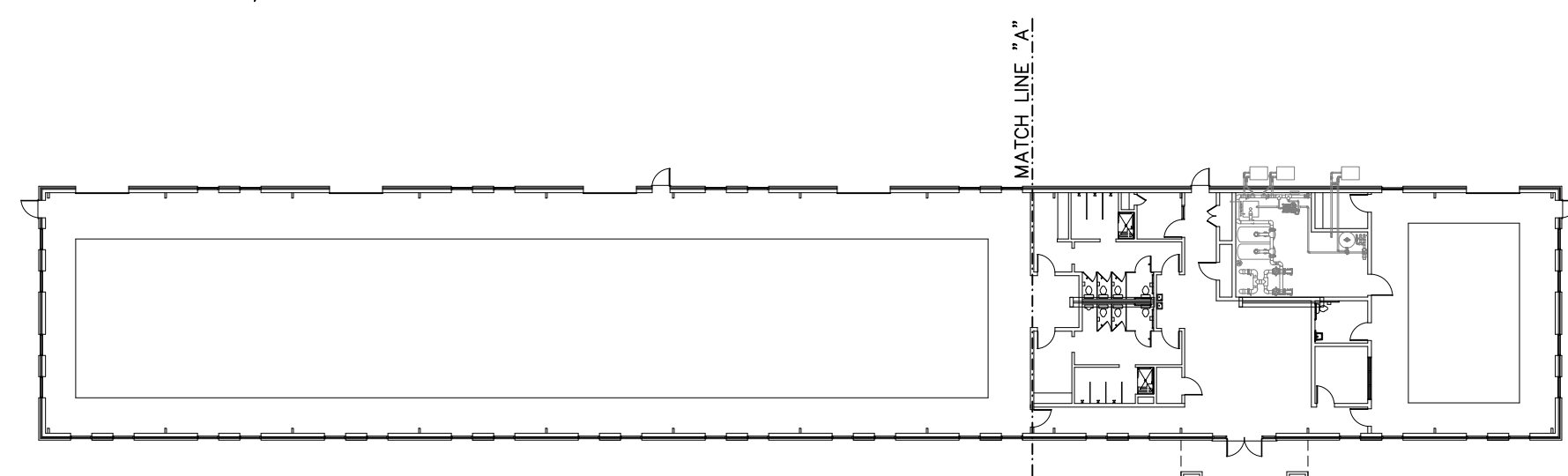
NOTE: NO SMALLER THAN A #12 AWG CU CONDUCTOR TO POOL EQUIPMENT A #8 CU BOND REQUIRE FOR EQUIPMENT, POOL SHELL, HEATER, HANDRAIL, ETC.; WIRING METHODS IN CORROSIVE ENVIRONMENTS PER NEC 680.14. ALL BONDING MUST INCLUDE #8 AWG OR LARGER COPPER WIRE TO MEET THE REQUIREMENTS OF NEC 680.26

QTY.	ITEM	MANUFACTURER	MODEL #	DESCRIPTION
1	PUMP	PENTAIR	EQK-500	5.0 EQ SERIES COMMERCIAL PUMP WITH STRAINER (3 PHASE PUMP)
1	PUMP	PENTAIR	EQK-750	7.5 EQ SERIES COMMERCIAL PUMP WITH STRAINER (3 PHASE PUMP)
2	BASKET	PENTAIR	357184	EQ SERIES EXTRA BASKET
2	FILTERS	PENTAIR	THS4284	HORIZONTAL SAND FILTER
1	FLOWMETER	BLUE WHITE	F30600	6" PVC MOUNT 250 GPM TO 1050 GPM
1	CHLORINATOR	PPG	3070AT	
13	SKIMMERS	STA-RITE	U-3	INCL. FLOAT AND CHECK VALVE, BASKET
36	RETURN INLETS	HAYWARD	SP-14190	ADJUSTABLE EYEBALLS
3	*MAIN DRAIN COVERS	*AQUASTAR	SUN18HPH101	18"x18" ANTI-ENTRAPMENT SUCTION OUTLET COVER (1000 GPM MAX. RATING)
1	RELIEF VALVE	HAYWARD	SP-1056	1 1/2" HYDROSTATIC RELIEF VALVE
1	COLLECTOR TUBE	HAYWARD	SP-1055	1-1/2" x 12" COLLECTOR TUBE
1	AUTO FILL	PENTAIR	T40BW	AUTOFILL W/ BRASS FLOAT VALVE
6	HANDRAIL	S.R. SMITH	F4H-100	FIGURE 4 STAINLESS STEEL HANDRAIL
18	STEPS	S.R. SMITH	62-209-4001	17.5 RECESSED STEP
8	ANCHOR	HAYWARD	SP1040	BAR TYPE ROPE ANCHOR
6	ANCHOR	SPECTRUM	24060-00	6" STAINLESS STEEL STANCHION ANCHOR KIT
1	ANCHOR	SPECTRUM	23638-00	HANDICAP LIFT ANCHOR
1	LIFT	SPECTRUM	FREEDOM	ADA COMPLIANT HANDICAP SWIM LIFT BATTERY POWERED 350 LB. OPERATING LOAD CAPACITY 500,000 BTU. SPECIFY GAS TYPE, INSTALLED PER MANUFACTURER'S SPECIFICATIONS & PROPERLY VENTED
2	HEATER	HAYWARD	H500FDNASME	
4	STARTING BLOCKS	TBD	TBD	COORDINATE STARTING BLOCKS AND ANCHORS WITH OWNER

*MAIN DRAIN MUST CONFORM TO ANSI/ASME A112.19.8-2007

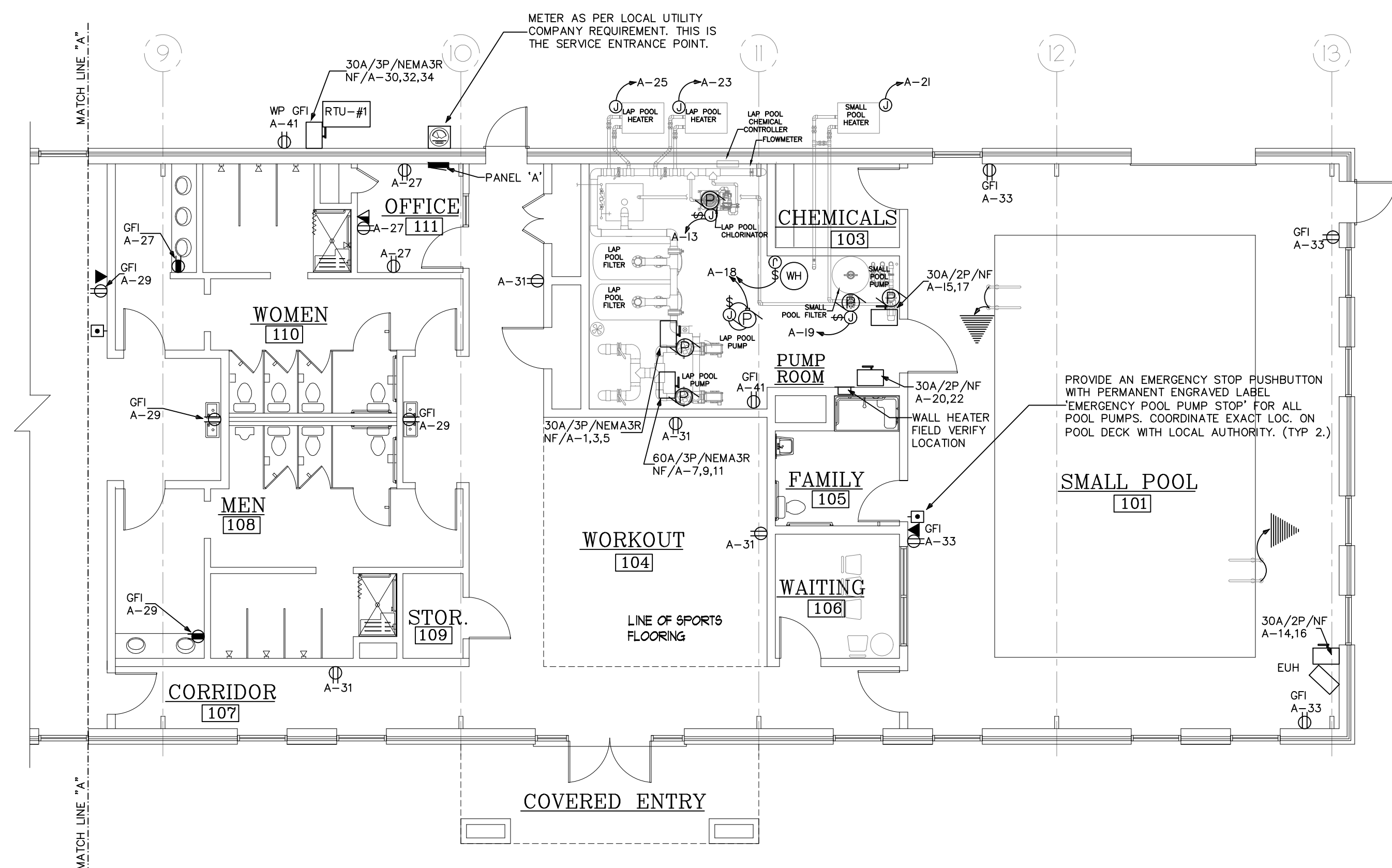
QTY.	ITEM	MANUFACTURER	MODEL #	DESCRIPTION
1	PUMP	PENTAIR	WFE-6	1-1/2-HP WHISPER-FLO PUMP (1 PHASE PUMP)
1	BASKET	PENTAIR	070387	EXTRA STAINER BASKET
1	FILTER	PENTAIR	TR140	NSF APPROVED WITH AIR RELIEF PRESSURE GAUGE
1	VALVE	PENTAIR	261055	2" MULTIPORT VALVE
1	FLOWMETER	BLUE WHITE	F20300	2" PVC MOUNT 40 GPM TO 150 GPM
1	CHLORINATOR	PPG	1030	AUTOMATIC EROSION TYPE CHLORINE FEEDER
2	SKIMMERS	STA-RITE	U-3	INCL. FLOAT AND CHECK VALVE, BASKET
4	RETURN INLETS	HAYWARD	SP-14190	ADJUSTABLE EYEBALLS
2	*MAIN DRAIN COVERS	*HAYWARD	WG1031BH2	9"x9" VGB APPROVED SUCTION OUTLET FRAME AND GRATE (264 GPM MAX. RATING)
2	SUMP	ASA MFG.	FFK-50-809	9"x9" DRAIN SUMP W/3" PORT
1	RELIEF VALVE	HAYWARD	SP-1056	1 1/2" HYDROSTATIC RELIEF VALVE
1	COLLECTOR TUBE	HAYWARD	SP-1055	1-1/2" x 12" COLLECTOR TUBE
1	AUTO FILL	PENTAIR	T40BW	AUTOFILL W/ BRASS FLOAT VALVE
2	HANDRAIL	S.R. SMITH	F4H-100	FIGURE 4 STAINLESS STEEL HANDRAIL
6	STEPS	S.R. SMITH	62-209-4001	17.5 RECESSED STEP
1	ANCHOR	SPECTRUM	23638-00	HANDICAP LIFT ANCHOR
1	LIFT	SPECTRUM	FREEDOM	ADA COMPLIANT HANDICAP SWIM LIFT BATTERY POWERED 350 LB. OPERATING LOAD CAPACITY 400,000 BTU. SPECIFY GAS TYPE, INSTALLED PER MANUFACTURER'S SPECIFICATIONS & PROPERLY VENTED
1	HEATER	HAYWARD	H400FDNASME	

*MAIN DRAIN MUST CONFORM TO ANSI/ASME A112.19.8-2007



KEY PLAN

NO SCALE



2 PARTIAL FLOOR PLAN - POWER

SCALE: 1/8"=1'-0"

ELECTRICAL NOTES:

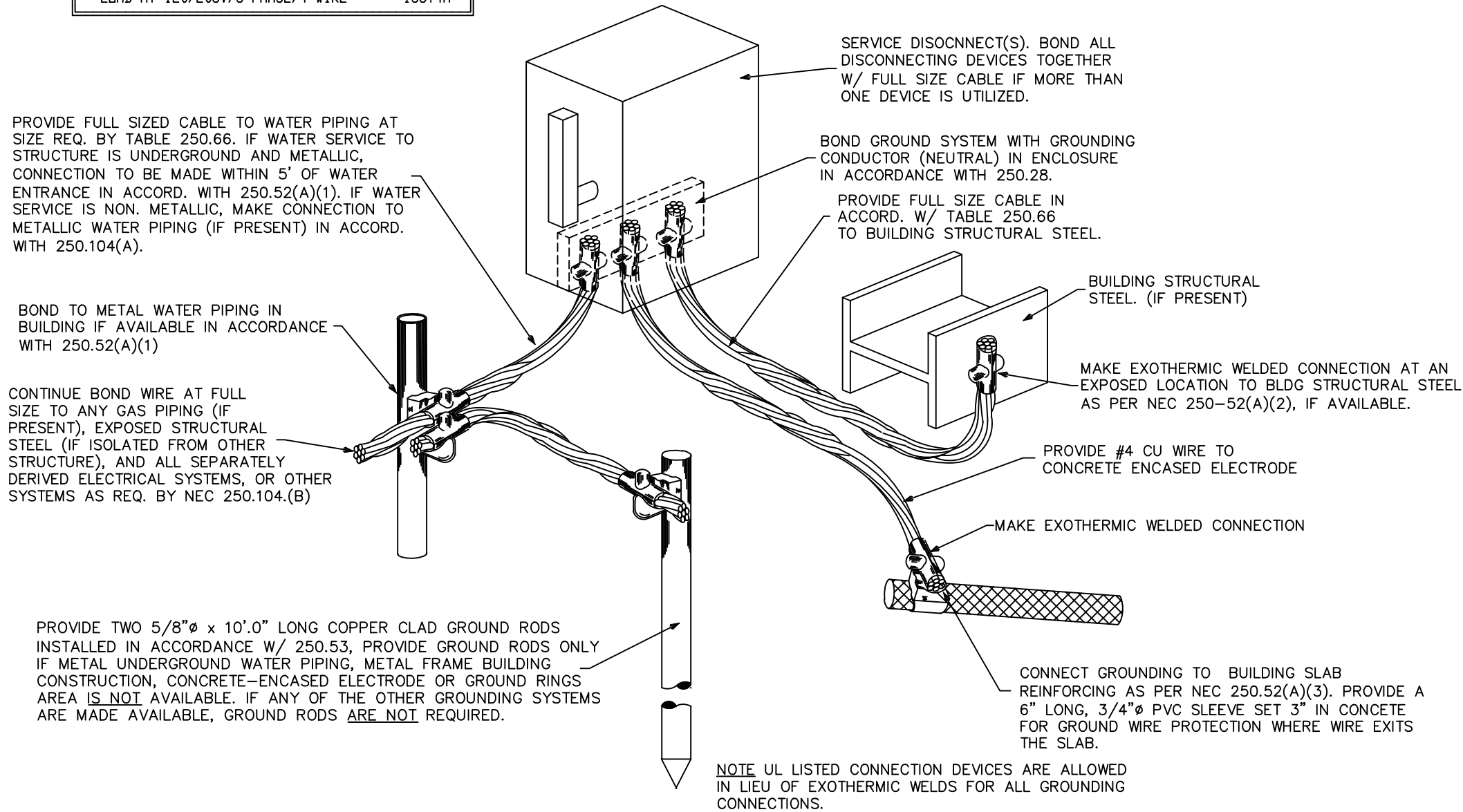
1. GENERAL: ALL WORK SHALL CONFORM TO THE LATEST APPROVED EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL JURISDICTIONAL CODES.
- THE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE DRAWINGS AND ANY APPLICABLE SPECIFICATIONS. IF A PROBLEM IS ENCOUNTERED IN COMPLYING WITH THIS REQUIREMENT, THE CONTRACTOR SHALL NOTIFY THE OWNER OR HIS REPRESENTATIVE AS SOON AS POSSIBLE AFTER DISCOVERY OF THE PROBLEM, AND SHALL NOT PROCEED WITH THAT PORTION OF THE WORK UNTIL THE OWNER HAS DIRECTED THE CORRECTIVE ACTION TO BE TAKEN.
- THE CONTRACTOR SHALL COORDINATE THE PROPOSED LOCATIONS OF ALL ELECTRICAL MATERIALS AND EQUIPMENT WITH THE REPRESENTATIVES OF THE OTHER TRADES INVOLVED BEFORE STARTING INSTALLATION OF THOSE ITEMS.
- COORDINATE THE INSTALLATION OF REQUIRED SUPPORTING DEVICES, CONDUIT, AND SLEEVES TO BE SET IN CAST-IN-PLACE CONCRETE AND OTHER STRUCTURAL COMPONENTS, AS THEY ARE CONSTRUCTED.
- UNLESS OTHERWISE SPECIFIED ON THE PLANS, ALL SPECS ARE NOT INTENDED TO BE PROPRIETARY. SUBSTITUTIONS WILL BE ACCEPTABLE FOR EQUAL RATED AND LISTED UNITS.
2. SCOPE: EXCEPT WHERE OTHERWISE SPECIFICALLY INDICATED ON THE DRAWINGS BY "FUTURE", "BY OTHERS", OR BY A SIMILAR NOTATION, IT IS THE INTENT THAT THE CONTRACTOR FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND TOOLS NECESSARY TO PROVIDE ALL SYSTEMS IN COMPLETE AND OPERATING CONDITION.
3. EXCAVATE AS NECESSARY FOR THE INSTALLATION OF ELECTRICAL MATERIALS AND EQUIPMENT. VERIFY THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES OR STRUCTURES BEFORE EXCAVATING AND EXERCISE CARE TO AVOID DAMAGE TO SUCH ITEMS DURING EXCAVATION. BACKFILL WITH EARTH FREE OF LARGE CLODS, LARGE STONES AND FOREIGN DEBRIS, DEPOSITED IN 6" LAYERS AND COMPACTED TO A DENSITY OF NOT LESS THAN THAT OF THE SURROUNDING UNDISTURBED MATERIAL.
4. MATERIALS: THE MATERIALS AND EQUIPMENT FURNISHED SHALL BE AS INDICATED ON THE DRAWINGS; SUBSTITUTIONS SHALL NOT BE MADE EXCEPT WHERE EXPRESSLY APPROVED BY THE OWNER OR HIS REPRESENTATIVE PRIOR TO STARTING INSTALLATION OF THE ITEMS. THE ELECTRICAL MATERIALS AND EQUIPMENT FURNISHED SHALL BE LISTED OR LABELED BY UNDERWRITERS LABORATORIES OR OTHER RECOGNIZED TESTING ORGANIZATION, AND SHALL BE ACCEPTABLE TO THE LOCAL BUILDING AUTHORITY.
5. GROUNDING: GROUNDING SHALL BE IN ACCORDANCE WITH ARTICLE 250, NEC.
6. SHARED NEUTRAL CONDUCTORS SHALL NOT BE ALLOWED UNLESS INSTALLED IN ACCORDANCE WITH NEC-210.4

7. CONDUITS: PROVIDE CONDUITS WHERE CALLED FOR ON PANEL SCHEDULES. ELECTRICAL METALLIC TUBING (EMT) SHALL BE INSTALLED ONLY IN DRY LOCATIONS, IN CONCRETE ABOVE GRADE, AND WHERE NOT SUBJECT TO PHYSICAL DAMAGE.
- CONDUITS INSTALLED UNDERGROUND SHALL BE POLYVINYLCHLORIDE (PVC) AND SHALL NOT BE SMALLER THAN 3/4" TRADE SIZE. WHERE PVC CONDUIT IS INSTALLED UNDERGROUND, ELBOWS TURNING UP AND CONDUIT EMERGING ABOVE GRADE SHALL BE RSC. THE TOPS OF CONDUITS SHALL NOT BE LESS THAN 24" BELOW FINISHED GRADE. PVC CONDUIT INSTALLED ABOVE GRADE OR DIRECT-BURIED IN EARTH SHALL BE NEMA TC2 TYPE EPC-40-PVC (SCHEDULE 40) EXCEPT THAT WHERE UNDER AREAS SUBJECT TO HEAVY VEHICULAR TRAFFIC, IT SHALL BE NEMA TC2 TYPE EPC-80-PVC (SCHEDULE 80).
- ALL ARMOR CLAD CABLE (AC CABLE) WIRING SHALL MEET OR EXCEED ALL NEC, OSHA AND HUD STANDARDS.
8. CONDUCTORS: CONDUCTORS SHALL BE AS SCHEDULED ON PANEL SCHEDULES. ALL POWER CONDUCTORS SHALL NOT BE SMALLER THAN #14 AWG (CU), OR #12 AWG (AL), CONTROL CIRCUIT CONDUCTORS SHALL NOT BE SMALLER THAN #18 AWG CU. CONDUCTORS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET WITHOUT SPLICES EXCEPT WITHIN WIREWAY OR JUNCTION BOXES. MARK CONDUCTORS IN PANELS, PULL BOXES OR WIREWAYS AND TERMINAL STRIP TERMINALS FOR IDENTIFICATION OF CIRCUITS.
- CONDUCTORS SHALL BE JOINED USING COMPRESSION SPLICES, EXCEPT THAT CONDUCTORS #10 AND SMALLER MAY BE JOINED USING WIRE NUT TYPE CONNECTORS. CONDUCTORS SHALL BE TERMINATED USING COMPRESSION OR PRESSURE TYPE TERMINAL LUGS, OR IN PRESSURE TERMINALS. COMPRESSION SPLICES USED ON CONDUCTORS #10 AWG AND SMALLER, SHALL BE THE SELF-INSULATED TYPE; OTHER SPLICES SHALL BE INSULATED USING 3M #33+ OR #88 PLASTIC TAPE. SPLICES IN WET LOCATIONS SHALL BE INSULATED WITH ELECTRICAL TAPE AND ENCAPSULATED WITH SCOTCHCAST OR EQUAL POTING COMPOUND.
9. PROVIDE AND INSTALL JUNCTION AND PULL BOXES WHERE INDICATED AND WHERE NECESSARY TO TERMINATE, TAP OFF, OR REDIRECT MULTIPLE CONDUIT RUNS, OF SIZE INDICATED OR AS REQUIRED BY NEC. WHERE FEEDER SPLICES ARE TO BE MADE, INSTALL BOXES LARGE ENOUGH TO PROVIDE AMPLE WORK SPACE.
10. LIGHTING FIXTURES: LIGHTING FIXTURES SHALL BE AS INDICATED ON THE DRAWINGS, AND SHALL BE INSTALLED COMPLETE WITH LAMPS. FIXTURES WITH ADJUSTMENTS AFFECTING LIGHT DISTRIBUTION SHALL BE SET TO PROVIDE THE REQUIRED LIGHT PATTERNS PRIOR TO THE FINAL DEMONSTRATION TEST.
11. TESTS: AFTER EACH SYSTEM HAS BEEN COMPLETED, A FUNCTIONAL TEST SHALL BE PERFORMED TO DEMONSTRATE THAT THE SYSTEM OPERATES IN ACCORDANCE WITH THE REQUIREMENTS OF THE DRAWINGS. THE TEST SHALL BE PERFORMED BY THE CONTRACTOR IN THE PRESENCE OF THE OWNER OR HIS REPRESENTATIVE.
12. TERMINALS: ALL ELECTRICAL EQUIPMENT FURNISHED ON THIS PROJECT IS TO HAVE TERMINALS RATED FOR 75° C OPERATION.
13. ALL PANELBOARDS, UNLESS OTHERWISE NOTED, SHALL BE PROVIDED WITH PLUG-IN TYPE CIRCUIT BREAKERS.

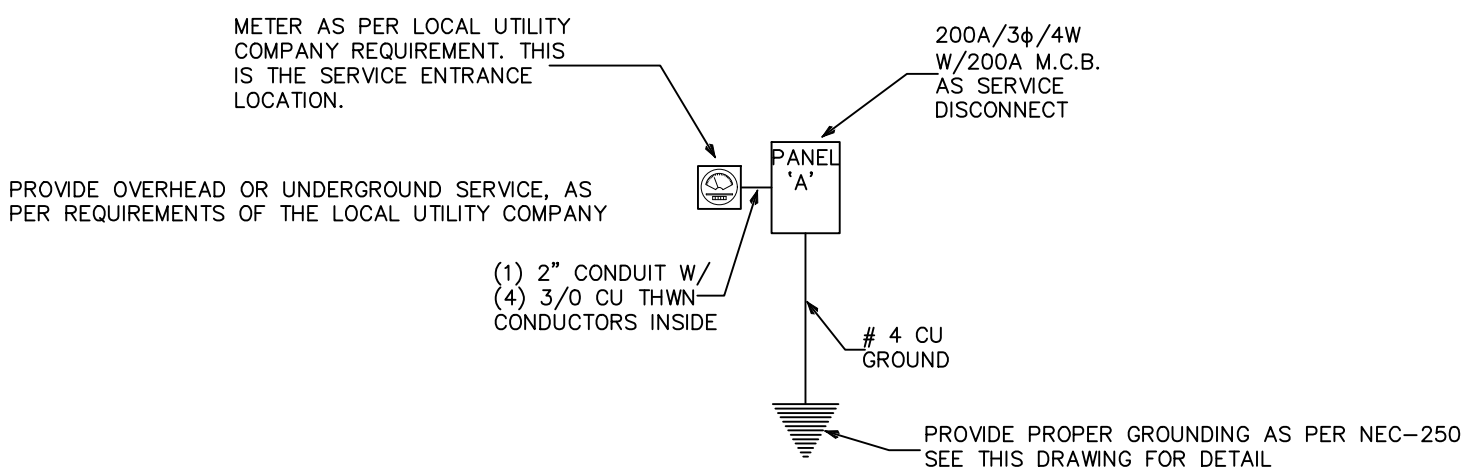
PANEL SCHEDULE A																			
200 AMP, 120/208 VOLT, THREE PHASE, FOUR WIRE, 200A. M.C.B., 10000 AMPS MINIMUM A.I.C. BRACING, FLUSH MOUNTED, TYPE NEMA 1 ENCLOSURE																			
#	BKR.	WIRE AND CONDUIT				LOAD DESCRIPTION	NEUT.	LINE A	LINE B	LINE C	LOAD DESCRIPTION	WIRE AND CONDUIT				BKR.	#		
		COND.	NEUTRAL	GND	C.							KEYS	C.	GND	NEUTRAL			COND.	
1							0	2004	-----	-----									
3	25/3	#12	---	#12	1/2	CHAL LG POOL PUMP SHP	GF1	1144	1144	-----	LIGHTS	CHAL	1/2	#12	#12	#12	20/1	2	
5							0	-----	2004	-----	BATHROOM LIGHTS	CHAL	1/2	#12	#12	#12	20/1	4	
7							0	-----	914	-----									
9	35/3	#10	---	#10	1/2	CHAL LG POOL PUMP 7.5HP	GF1	1010	1010	-----	LARGE POOL LIGHT * GF1	CHAL	1/2	#12	#12	#12	20/1	6	
11							0	-----	2904	-----	LARGE POOL LIGHTS * GF1	CHAL	1/2	#12	#12	#12	20/1	8	
13	30/1	#12	#12	#12	1/2	CHAL LG CHEMICAL CHLORINATOR		505	505	-----	SMALL POOL LIGHTS * GF1	CHAL	1/2	#12	#12	#12	20/1	10	
15							0	-----	2904	-----	OUTSIDE LIGHT **	CHAL	1/2	#12	#12	#12	20/1	12	
17	20/2	#12	---	#12	1/2	CHAL SM POOL PUMP 1.5 HP		2496	2496	-----	ELH WALL HEATER	CHAL	1/2	#12	---	#10	30/2	14	
19	20/1	#12	#12	#12	1/2	CHAL SM CHEMICAL CHLORINATOR		684	684	-----	WATER HEATER/PUMP	CHAL	1/2	#12	#12	#12	15/1	18	
21	20/1	#12	#12	#12	1/2	CHAL POOL HEATER		1920	1920	-----									
23	20/1	#12	#12	#12	1/2	CHAL POOL HEATER		540	540	-----	WALL HEATER	CHAL	1/2	#12	---	#10	25/2	22	
25	20/1	#12	#12	#12	1/2	CHAL POOL HEATER		540	540	-----									
27	20/1	#12	#12	#12	1/2	CHAL OFFICE RECEPTACLE		540	540	-----	MAKE-UP AIR UNIT	CHAL	1/2	#12	---	#12	20/3	26	
29	20/1	#12	#12	#12	1/2	CHAL RECEPTACLE		720	720	-----									
31	20/1	#12	#12	#12	1/2	CHAL RECEPTACLE		720	720	-----									
33	20/1	#12	#12	#12	1/2	CHAL SM POOL RECEPTACLE		720	720	-----	RTU #1	CHAL	1/2	#10	---	#10	30/3	32	
35	20/1	#12	#12	#12	1/2	CHAL LG POOL RECEPTACLE		720	720	-----									
37	20/1	#12	#12	#12	1/2	CHAL EXHAUST FAN #1		0	0	-----	SPACE								
39	20/1	#12	#12	#12	1/2	CHAL EXHAUST FAN #2		1656	1656	-----	SPACE								
41	20/1	#12	#12	#12	1/2	CHAL SERVICE RECEPTACLE		696	696	-----	SPACE								
							0	360	360	-----	SPACE								
							0	-----	-----	-----	PEAK PHASE (A) UNBALANCED NEUTRAL LOAD AMPS =								
WIRE/CONDUIT KEY							WIRING TYPE			INSULATION			CONDUIT TYPE			TEMP RATING			F.
1234							C-CU WIRE			H-THWN			A-EMT			L-78-86 Deg.			
L-TEMP RATING																			
C-CONDUIT TYPE																			
I-INSULATION																			
WIRING TYPE																			

PANEL NOTES:
* - THIS CIRCUIT IS ON A 365 DAYS 2-CHANNEL TIME CLOCK WITH OVERRIDE SWITCH
** - THIS CIRCUIT IS ON TIMER AND PHOTOCELL

PANEL A DIVERSIFICATION CALCULATIONS	
RECEPTACLES (22) -	3960 VA TOTAL
FIRST 10 KW AT 100% -	3960
LIGHTING -	4843 X 125% = 6054
HVAC LOAD AT 100% -	18267
MOTOR LOADS AT 100% -	24968
PLUS 25% OF THE LARGEST MOTOR -	2178
MISC NON-CONTINUOUS LOADS AT 100% -	10210
TOTAL DIVERSIFIED PANEL LOAD -	57037
LOAD AT 120/208V/3-PHASE/4-WIRE -	158.4A



2 GROUNDING DETAIL
NO SCALE



1 ELECTRICAL SERVICE RISER DIAGRAM
NO SCALE