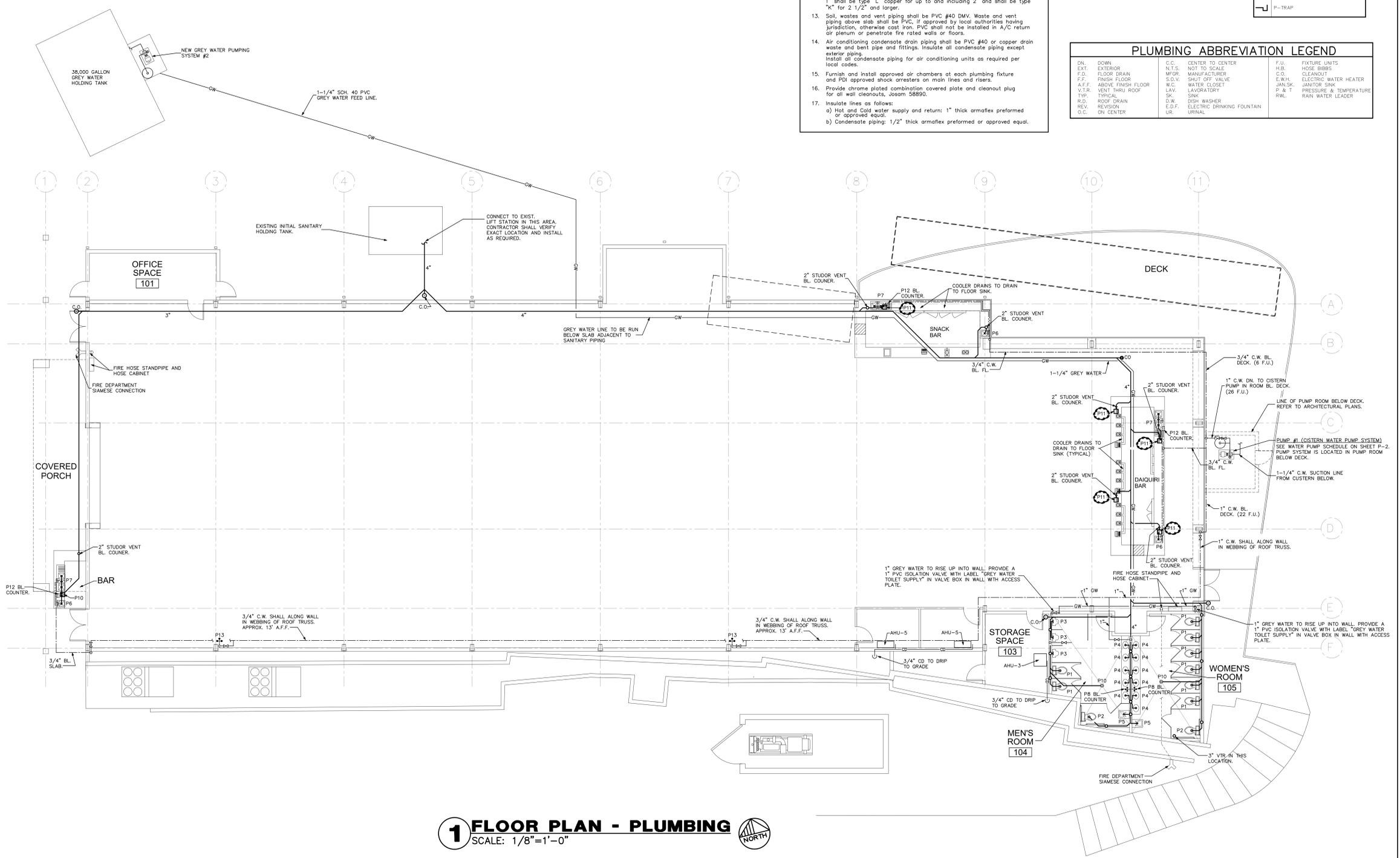


- ① PUMP
- ② ECCENTRIC REDUCER
- ③ CONCENTRIC REDUCER
- ④ INERTIA BASE
- ⑤ UNION
- ⑥ FLEXIBLE CONNECTOR
- ⑦ GAUGE COCK AND TEST GAUGE FITTING
- ⑧ PRESSURE GAUGE WITH SNUBBER
- ⑨ STRAINER WITH BLOWOFF
- ⑩ CHECK VALVE
- ⑪ GATE OR BUTTERFLY VALVE

2 PUMP CONNECTION DETAIL
NOS CALE (DOMESTIC WATER PUMPS)

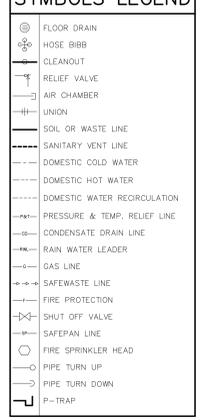


1 FLOOR PLAN - PLUMBING
SCALE: 1/8"=1'-0"

GENERAL PLUMBING NOTES

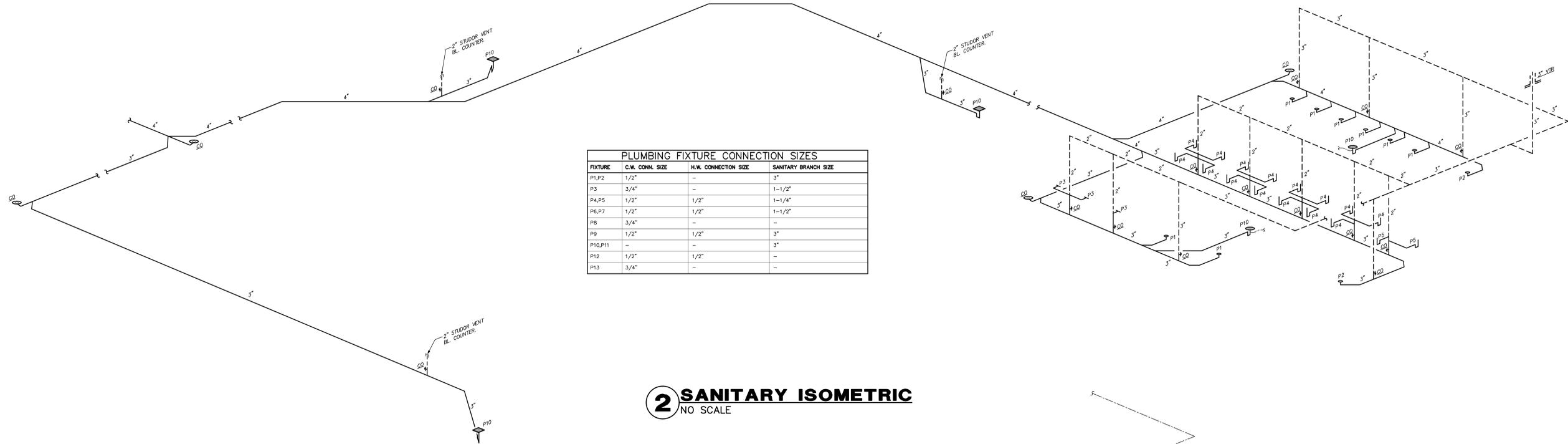
- Drawings are diagrammatic and shall not be scaled. Refer to architectural plans and elevations for exact location of all plumbing fixtures, equipment, etc. Plumbing contractor shall furnish and install all items required for a complete and acceptable working installation. Contractor is responsible 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.
- All work and materials shall comply with the latest edition of the National, State, and all local codes and Ordinances having jurisdiction.
- 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.
- All materials shall be new.
- 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.
- All required insurance shall be provided for protection against public liability or property damage for the duration of the work.
- The plumbing contractor shall secure and pay all permit fees, inspections, and tests.
- All work shall be coordinated with other trades to avoid interference with the progress of construction.
- 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.
- Verify location, size and inverts of all existing utilities prior to start of construction. Advise architect/engineer of any discrepancies.
- All fixtures shall be provided with readily accessible stops.
- All below floor slab water piping shall be flexible "temprite pex (cross-linked polyethylene)" installed as per manufacturers recommendations found here: www.temprite.com. All above slab water piping shall be "FlowGuard Gold CPVC" installed as per manufacturers recommendations found here: www.flowguardgold.com. All water piping as specified or approved equal. All water piping larger than 1" shall be type "L" copper for up to and including 2" and shall be type "K" for 2 1/2" and larger.
- Soil, waste 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.
- Air conditioning condensate drain piping shall be PVC #40 or copper drain waste and bent pipe and fittings. Insulate all condensate piping except exterior piping. Install all condensate piping for air conditioning units as required per local codes.
- Furnish and install approved air chambers at each plumbing fixture and PDI approved shock arresters on main lines and risers.
- Provide chrome plated combination covered plate and cleanout plug for all wall cleanouts, Jøsum 58990.
- Insulate lines as follows:
 - Hot and Cold water supply and return: 1" thick armafex preformed or approved equal.
 - Condensate piping: 1/2" thick armafex preformed or approved equal.

PLUMBING SYMBOLS LEGEND



PLUMBING ABBREVIATION LEGEND

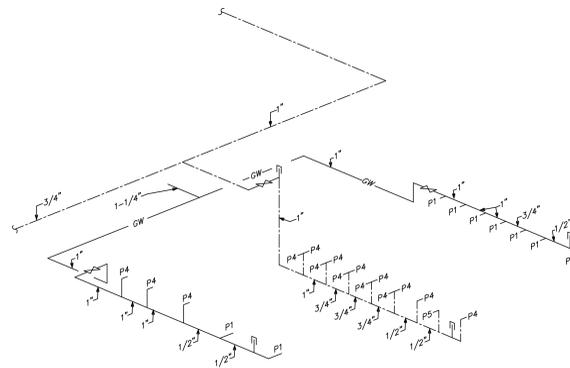
DN. DOWN	C.C. CENTER TO CENTER	F.U. FIXTURE UNITS
EXT. EXTERIOR	N.T.S. NOT TO SCALE	H.B. HOSE BIBBS
F.D. FLOOR DRAIN	MFR. MANUFACTURER	C.O. CLEANOUT
F.F. FINISH FLOOR	S.O.V. SHUT OFF VALVE	E.W.H. ELECTRIC WATER HEATER
A.F.F. ABOVE FINISH FLOOR	W.C. WATERS CLOSET	JAN.SK. JANITOR SINK
V.T.R. VENT THRU 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
P1,P2	1/2"	-	3"
P3	3/4"	-	1-1/2"
P4,P5	1/2"	1/2"	1-1/4"
P6,P7	1/2"	1/2"	1-1/2"
P8	3/4"	-	-
P9	1/2"	1/2"	3"
P10,P11	-	-	3"
P12	1/2"	1/2"	-
P13	3/4"	-	-

2 SANITARY ISOMETRIC

NO SCALE



3 WATER ISOMETRIC

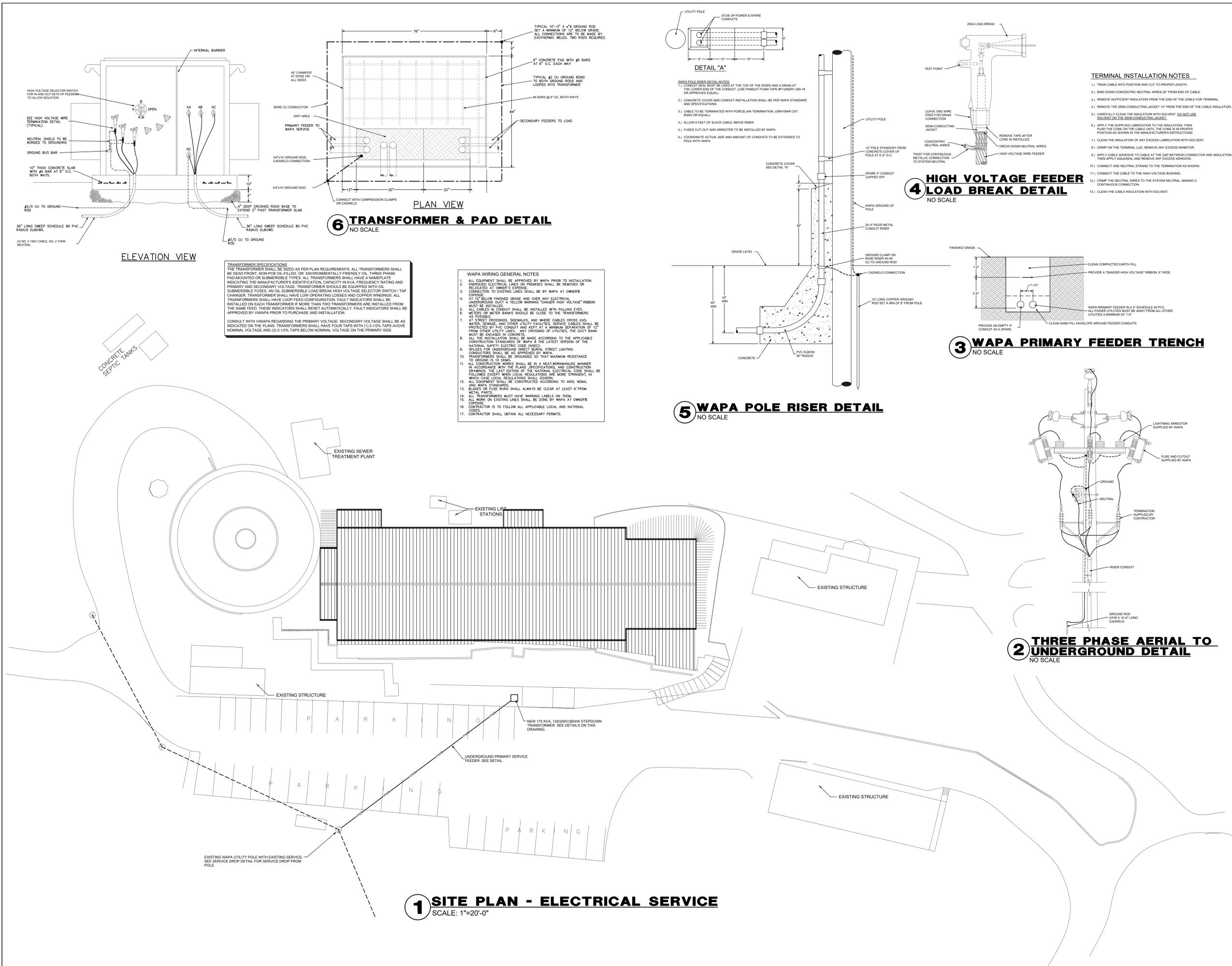
NO SCALE

PLUMBING FIXTURE SCHEDULE	
P-1 (FLOOR MOUNTED FLUSH VALVE WATER CLOSET)	SHALL BE AN AMERICAN STANDARD YORKVILLE FLOWSE PRESSURE-ASSISTED TOILET MODEL 2878.016 15" HIGH, HIGH EFFICIENCY, ULTRA LOW-CONSUMPTION, 1.1 GPF/4.2 LPE, VITREOUS CHINA SEAT SHALL BE AN ELONGATED OPEN FRONT POLYPROPYLENE SEAT WITHOUT COVER, PRESSURE-ASSISTED SIPHON JET FLUSH ACTION, CLOSE-COUPLED FLUSHMETER TANK * http://www.americanstandard-us.com/assets/documents/amstd/spec/SpecSheet_2664.pdf
P-2 (FLOOR MOUNTED FLUSH VALVE WATER CLOSET)	SHALL BE AN AMERICAN STANDARD YORKVILLE RIGHT HEIGHT PRESSURE-ASSISTED TOILET MODEL 2878.016 16-1/2" HIGH, HIGH EFFICIENCY, ULTRA LOW-CONSUMPTION, 1.1 GPF/4.2 LPE, VITREOUS CHINA SEAT SHALL BE AN ELONGATED OPEN FRONT POLYPROPYLENE SEAT WITHOUT COVER, PRESSURE-ASSISTED SIPHON JET FLUSH ACTION, CLOSE-COUPLED FLUSHMETER TANK * http://www.americanstandard-us.com/assets/documents/amstd/spec/SpecSheet_2665.pdf
P-3 (HANDICAPPED URINAL)	SHALL BE AN AMERICAN STANDARD LYMBROOK MODEL 6601.012 TOP SPUD, 0.83 GPF, FLUSH VALVE SHALL BE SLOAN ROYAL MODEL 180-1 * http://www.americanstandard.ca/products/pdf_specSheets/6601012_1016.pdf
P-4 (COUNTER TOP LAVATORY)	SHALL BE AN AMERICAN STANDARD MODEL RONALYN MODEL 0490.011 VITREOUS CHINA SELF-RIMMING FAUCET SHALL BE A MONTEREY 5502.170 W/STANDARD LEVER HANDLES, PROVIDE 0.5 GPM FLOW RESTRICTOR * http://www.americanstandard-us.com/assets/documents/amstd/spec/SpecSheet_95.pdf
P-5 (HANDICAPPED WALL HUNG LAVATORY)	SHALL BE AN AMERICAN STANDARD WHEELCHAIR USERS LAVATORY MODEL 9141.011, VITREOUS CHINA, WALL MOUNT WITH CONCEALED ARMS SUPPORT, PROVIDE AN AMERICAN STANDARD HERITAGE CENTERSET FAUCET WITH 4" WRIST BLADE HANDLES MODEL 6530.170, WATER PIPING AND P-TRAP SHALL BE COVERED WITH AN UNDERSINK PROTECTIVE PIPE COVER KIT BY TRUEBRO (http://www.truebro.com) OR APPROVED EQUAL * http://www.americanstandard-us.com/assets/documents/amstd/spec/SpecSheet_107.pdf
P-6 (STAINLESS STEEL HAND SINK)	SHALL BE AN ELKAY CELEBRITY SINK MODEL DCR252310 CLR/TO/2522103 TOP MOUNT SINGLE COMPARTMENT STAINLESS STEEL SINK (12"X12"X10") WITH A CHROME LKDC2432 FAUCET TO INCLUDE 4" WRIST BLADE HANDLES * http://www.elkaysa.com/cps/rfa/tbc/ekay/01-181_DUR(0)_DURS(0).pdf
P-7 (STAINLESS STEEL 3 COMPARTMENT BAR SINK)	SHALL BE AN ELKAY TRIPLE BOWL SINK MODEL LDR8022 TOP MOUNT 3 COMPARTMENT STAINLESS STEEL SINK WITH A CHROME LKDC2432 FAUCET TO INCLUDE 4" WRIST BLADE HANDLES * http://www.elkaysa.com/cps/rfa/tbc/ekay/01-400_LDR8022_Series.pdf
P-8 (INTERIOR HOSE BIBB W/HANDWHEEL)	SHALL BE A THORNTON 48U 1/2" ORANGER STOCK #BE418, Hose Bibb, No Kink, Nominal Size 1/2" In, Connection MPT or C x C, Rated For 125 PSI CW, Max Temp 180 F, Open Height 2 1/16 In, Material of Construction Bronze, Zinc Handwheels, Standards ANSI/NSF * http://www.granger.com/oranger/items/15418
P-9 (MOP RECEPT)	SHALL BE A FLORESTONE MMR-5336 54X36X18" MOLDED MOP BASIN WITH 3" OUTLET, PROVIDE WITH MR-371 FAUCET WITH WALL BRACE, PAL HOOK AND APPROVED VACUUM BREAKER, MR-370 HOSE & HOSE BRACKET, MR-372 MOP HANGER, MR-373 BUMBER GUARDS AND MR-377 STAINLESS STEEL WALL GUARD * http://www.florestone.com/downloads/rec/rec_model_200.pdf * http://www.florestone.com/fmp_sink_accessories.php
P-10 (FLOOR DRAIN WITH TRAP PRIMER)	SHALL BE A JOSSAM 50500-WT-4-B SERIES COATED CAST IRON FLOOR DRAIN, TWO PIECE BODY WITH DOUBLE DRAINAGE FLANGE, WELD INVERTIBLE NON-PUNCTURING FLASHING COLLAR, WEEPHOLES, BOTTOM OUTLET, INSIDE CALK CONNECTION AND ADJUSTABLE SATIN ANKALDY ROUND SUPER-LO STRAINER * http://www.jssam.com/images/jssamnk/abmt/sdb_30000-WT-A.pdf
P-11 (FLOOR SINK W/SEDIMENT BUCKET)	SHALL BE A JOSSAM 49140A-3-31 SERIES SQUARE CAST IRON 8" DEEP SUPER-DRAINER FLOOR SINK WITH PORC-COATED INTERIOR, DOUBLE DRAINAGE FLANGE WITH WEEPHOLES, BOTTOM OUTLET, ALUMINUM INTERNAL DOME STRAINER, AND CAST IRON NON-TRAFFIC, PORC-COATED, ANTI-TILTING GRATE, WITH HALF GRATE AND ALUMINUM SCREENY W/SEDIMENT BUCKET * http://www.jssam.com/collections/sdb/sdb15/49140A
P-12 (INSTA-HOT WATER HEATER BELOW LAVATORY)	WATER HEATER SHALL BE A CHRONOMITE MODEL SR-20L, 2.4 KW TANKELESS WATER HEATER @ 120V/17A * http://www.chronomite.com/Instant-Flow-SR/SR-Models-Applications.html
P-13 (HOSE BIBB IN LOCK BOX)	SHALL BE A ZURN Z130 ENCASED MODERATE CLIMATE WALL HYDRANT FOR NARROW WALL INSTALLATION COMPLETE WITH BRONZE BODY, ALL BRONZE INTERIOR PARTS, REPLACEMENT SEAT WASHER, SCREWDRIVER OPERATED STOP VALVE IN SUPPLY, KEY OPERATED CONTROL VALVE, AND 3/4" IP FEMALE INLET AND 3/4" MALE HOSE CONNECTION STANDARD, STAINLESS STEEL BOX AND HINGED COVER WITH CYLINDER LOCK AND "WATER" STAMPED ON COVER *NOTE: CALKING OF INSIDE JOINTS BY OTHERS * http://www.zurn.com/operations/specs/zn1/sdb/specsheets/58877.pdf

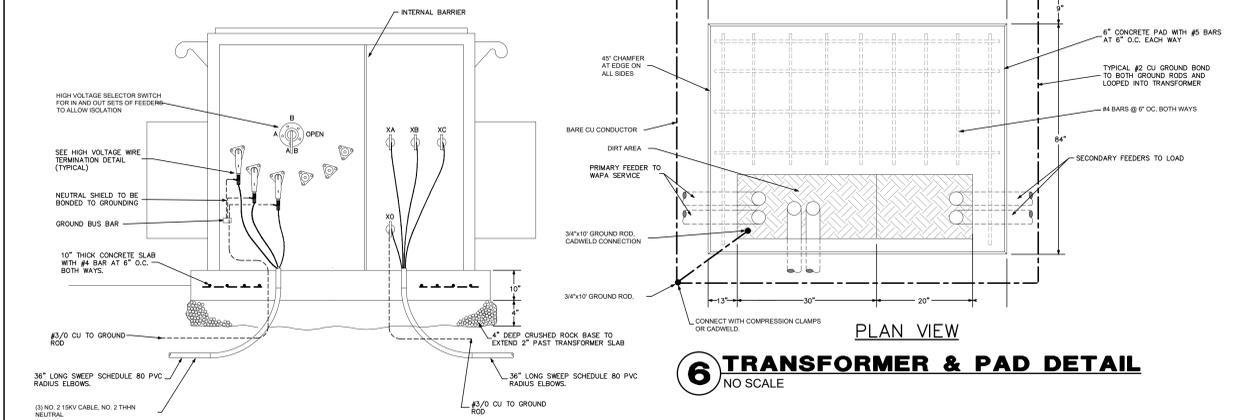
WATER PUMP SCHEDULE	
EUMP #1 (CISTERN WATER PUMP SYSTEM)	SHALL BE A "STA-RITE" SELF-PRIMING CENTRIFUGAL WATER PUMP MODEL DMG-3, 1-1/2" DISCHARGE, 2 HP, 208V/3Ø PUMP SHALL BE PROVIDED WITH A "STA-RITE" END SECTION PACKAGE MODEL PFG 52 1-1/2" SUCTION PUMP SHALL WORK TOGETHER WITH A "STA-RITE" PRESSURIZED WATER SYSTEM TANK MODEL PSP119-TR50, 119 GALLONS, PIPE CONNECTIONS AS PER MANUFACTURER'S RECOMMENDATIONS, PUMP SYSTEM SHALL BE PROVIDED WITH A SQUARE D MODEL 801ES0200 200-40 PSI PRESSURE SWITCH GRAINER STOCK NO. 58115, NEMA 1, 208V/1 Ø POLE 15A MOTOR STARTER SHALL BE A SQUARE D MODEL 8336SBG200B20 GRAINER STOCK NO. 5E738, ALL WIRING INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS * 1-1/2" C.W. SUCTION LINE SHALL TERMINATE AT 12" ABOVE FINISHED FLOOR OF CISTERN.
EUMP #2 (CIBBY WATER PUMP SYSTEM)	SHALL BE A "STA-RITE" SELF-PRIMING CENTRIFUGAL WATER PUMP MODEL DMG-3, 1-1/2" DISCHARGE, 2 HP, 208V/3Ø PUMP SHALL BE PROVIDED WITH A "STA-RITE" END SECTION PACKAGE MODEL PFG 52 1-1/2" SUCTION PUMP SHALL WORK TOGETHER WITH A "STA-RITE" PRESSURIZED WATER SYSTEM TANK MODEL PSP119-TR50, 119 GALLONS, PIPE CONNECTIONS AS PER MANUFACTURER'S RECOMMENDATIONS, PUMP SYSTEM SHALL BE PROVIDED WITH A SQUARE D MODEL 801ES0200 200-40 PSI PRESSURE SWITCH GRAINER STOCK NO. 58115, NEMA 1, 208V/1 Ø POLE 15A MOTOR STARTER SHALL BE A SQUARE D MODEL 8336SBG200B20 GRAINER STOCK NO. 5E738, ALL WIRING INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.

- 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.

1 SITE PLAN - ELECTRICAL SERVICE
SCALE: 1"=20'-0"



ELEVATION VIEW



6 TRANSFORMER & PAD DETAIL
NO SCALE

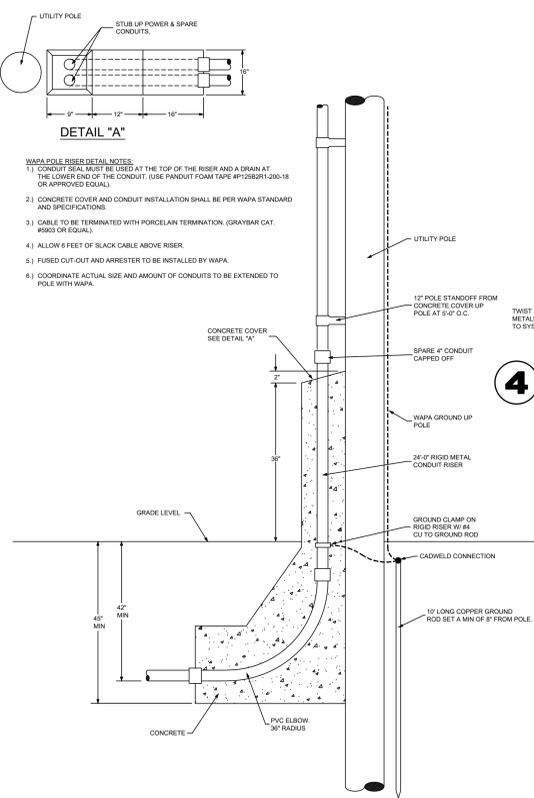
TRANSFORMER SPECIFICATIONS
THE TRANSFORMER SHALL BE SIZED AS PER PLAN REQUIREMENTS. ALL TRANSFORMERS SHALL BE DEAD FRONT, NON-PCB OIL-FILLED, OR ENVIRONMENTALLY FRIENDLY OIL, THREE PHASE PAD MOUNTED OR SUBMERSIBLE TYPES. ALL TRANSFORMERS SHALL HAVE A NAMEPLATE INDICATING THE MANUFACTURER'S IDENTIFICATION, CAPACITY IN KVA, FREQUENCY RATING AND PRIMARY AND SECONDARY VOLTAGE. TRANSFORMER SHOULD BE EQUIPPED WITH OIL SUBMERSIBLE FUSES, AN OIL SUBMERSIBLE LOAD BREAK HIGH VOLTAGE SELECTOR SWITCH / TAP CHANGER. TRANSFORMER SHALL HAVE LOW OPERATING LOSSES AND COPPER WINDINGS. ALL TRANSFORMERS SHALL HAVE LOOP FEEDS CONFIGURATION. FAULT INDICATORS SHALL BE INSTALLED ON EACH TRANSFORMER IF MORE THAN TWO TRANSFORMERS ARE INSTALLED FROM THE SAME FEED. THESE INDICATORS SHALL RESET AUTOMATICALLY. FAULT INDICATORS SHALL BE APPROVED BY WAWAPA PRIOR TO PURCHASE AND INSTALLATION.

CONSULT WITH WAWAPA REGARDING THE PRIMARY VOLTAGE. SECONDARY VOLTAGE SHALL BE AS INDICATED ON THE PLANS. TRANSFORMERS SHALL HAVE FOUR TAPS WITH (1) 2-1/2% TAPS ABOVE NOMINAL VOLTAGE AND (3) 2-1/2% TAPS BELOW NOMINAL VOLTAGE ON THE PRIMARY SIDE.

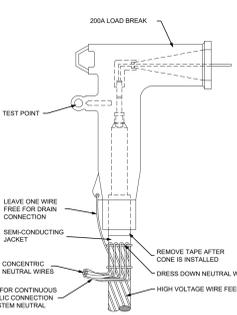
WAPA WIRING GENERAL NOTES

1. ALL EQUIPMENT SHALL BE APPROVED BY WAWAPA PRIOR TO INSTALLATION.
2. ENERGIZED ELECTRICAL LINES ON PREMISES SHALL BE REMOVED OR RELOCATED AT OWNER'S EXPENSE.
3. CONNECTION TO EXISTING LINES SHALL BE BY WAWAPA AT OWNER'S EXPENSE.
4. AT 12" BELOW FINISHED GRADE AND OVER ANY ELECTRICAL UNDERGROUND DUCT A YELLOW WARNING "DANGER HIGH VOLTAGE" RIBBON MUST BE INSTALLED.
5. ALL CABLES IN CONDUIT SHALL BE INSTALLED WITH PULLING EYES.
6. METERS OR METER BANKS SHOULD BE CLOSE TO THE TRANSFORMERS AS POSSIBLE.
7. AT STREET CROSSINGS, SIDEWALKS, AND WHERE CABLES CROSS GAS, WATER, SEWER, AND OTHER UTILITY FACILITIES, SERVICE CABLES SHALL BE PROTECTED BY PVC CONDUIT AND KEPT AT A MINIMUM SEPARATION OF 12" FROM OTHER UTILITY LINES. ANY CROSSING OF UTILITIES, THE DUCT BANK MUST BE ENCASED IN CONCRETE.
8. ALL THE INSTALLATION SHALL BE MADE ACCORDING TO THE APPLICABLE CONSTRUCTION STANDARDS OF WAWAPA & THE LATEST VERSION OF THE NATIONAL SAFETY ELECTRIC CODE (NEC).
9. SPLICES FOR UNDERGROUND DIRECT BURIAL STREET LIGHTING CONDUITS SHALL BE AS APPROVED BY WAWAPA.
10. TRANSFORMERS SHALL BE GROUNDED SO THAT MAXIMUM RESISTANCE TO GROUND IS 10 OHMS.
11. ALL CONSTRUCTION WORKS SHALL BE IN A NEAT WORKMANLIKE MANNER IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS, AND CONSTRUCTION DRAWINGS. THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE SHALL BE FOLLOWED EXCEPT WHEN LOCAL REGULATIONS ARE MORE STRINGENT, IN WHICH CASE LOCAL REGULATIONS SHALL GOVERN.
12. ALL EQUIPMENT SHALL BE CONSTRUCTED ACCORDING TO ANSI, NEMA, AND WAWAPA STANDARDS.
13. BLADES OR FUSE RUNS SHALL ALWAYS BE CLEAR AT LEAST 6" FROM METAL PARTS.
14. ALL TRANSFORMERS MUST HAVE WARNING LABELS ON THEM.
15. ALL WORK ON EXISTING LINES SHALL BE DONE BY WAWAPA AT OWNER'S EXPENSE.
16. CONTRACTOR IS TO FOLLOW ALL APPLICABLE LOCAL AND NATIONAL CODES.
17. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS.

5 WAPA POLE RISER DETAIL
NO SCALE

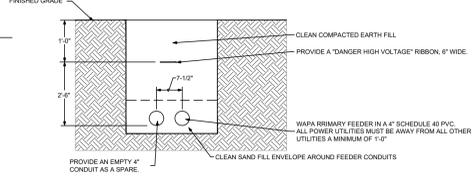


4 HIGH VOLTAGE FEEDER LOAD BREAK DETAIL
NO SCALE

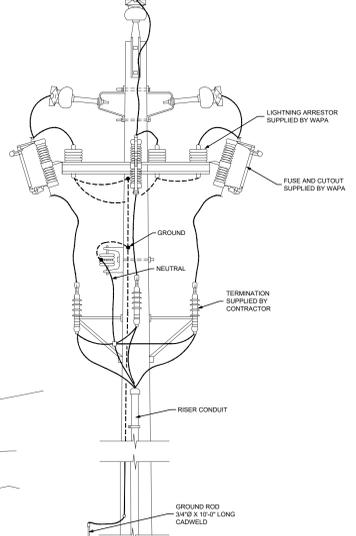


- TERMINAL INSTALLATION NOTES**
1. TRIM CABLE INTO PORTION AND CUT TO PROPER LENGTH.
 2. BEND DOWN CONCENTRIC NEUTRAL WIRES 20" FROM END OF CABLE.
 3. REMOVE SUFFICIENT INSULATION FROM THE END OF THE CABLE FOR TERMINAL.
 4. REMOVE THE SEMI-CONDUCTING JACKET 14" FROM THE END OF THE CABLE INSULATION.
 5. CAREFULLY CLEAN THE INSULATION WITH SOLVENT. DO NOT USE SOLVENT ON THE SEMI-CONDUCTING JACKET.
 6. APPLY THE SUPERB LUBRICATION TO THE INSULATION, THEN PUSH THE CONE ON THE CABLE UNTIL THE CONE IS IN PROPER POSITION AS SHOWN IN THE MANUFACTURER'S INSTRUCTIONS.
 7. CLEAN THE INSULATION OF ANY EXCESS LUBRICATION WITH SOLVENT.
 8. CRIMP ON THE TERMINAL LUG. REMOVE ANY EXCESS INSULATOR.
 9. APPLY CABLE ADHESIVE TO CABLE AT THE GAP BETWEEN CONNECTOR AND INSULATION. THEN APPLY AQUASEAL AND REMOVE ANY EXCESS ADHESIVE.
 10. CONNECT ONE NEUTRAL STRAND TO THE TERMINATION AS SHOWN.
 11. CONNECT THE CABLE TO THE HIGH VOLTAGE BUSHING.
 12. CRIMP THE NEUTRAL WIRES TO THE SYSTEM NEUTRAL, MAKING A CONTINUOUS CONNECTION.
 13. CLEAN THE CABLE INSULATION WITH SOLVENT.

3 WAPA PRIMARY FEEDER TRENCH
NO SCALE



2 THREE PHASE AERIAL TO UNDERGROUND DETAIL
NO SCALE



PANEL A DIVERSIFICATION CALCULATIONS	
RECEPTACLES (45) - 8100 VA TOTAL	
FIRST 10 KVA AT 100% - 8100	
REMAINDER AT 75% - 13125	
LIGHTING - 3072	
PLUS COS OF THE LARGEST MOTOR - 394	
MISC NON-CONTINUOUS LOADS AT 125% - 12520	
MISC CONTINUOUS LOADS AT 125% - 3750	
TOTAL DIVERSIFIED PANEL LOAD - 40951	
LOAD AT 120/208V/3-PHASE/4-WIRE - 113.8A	

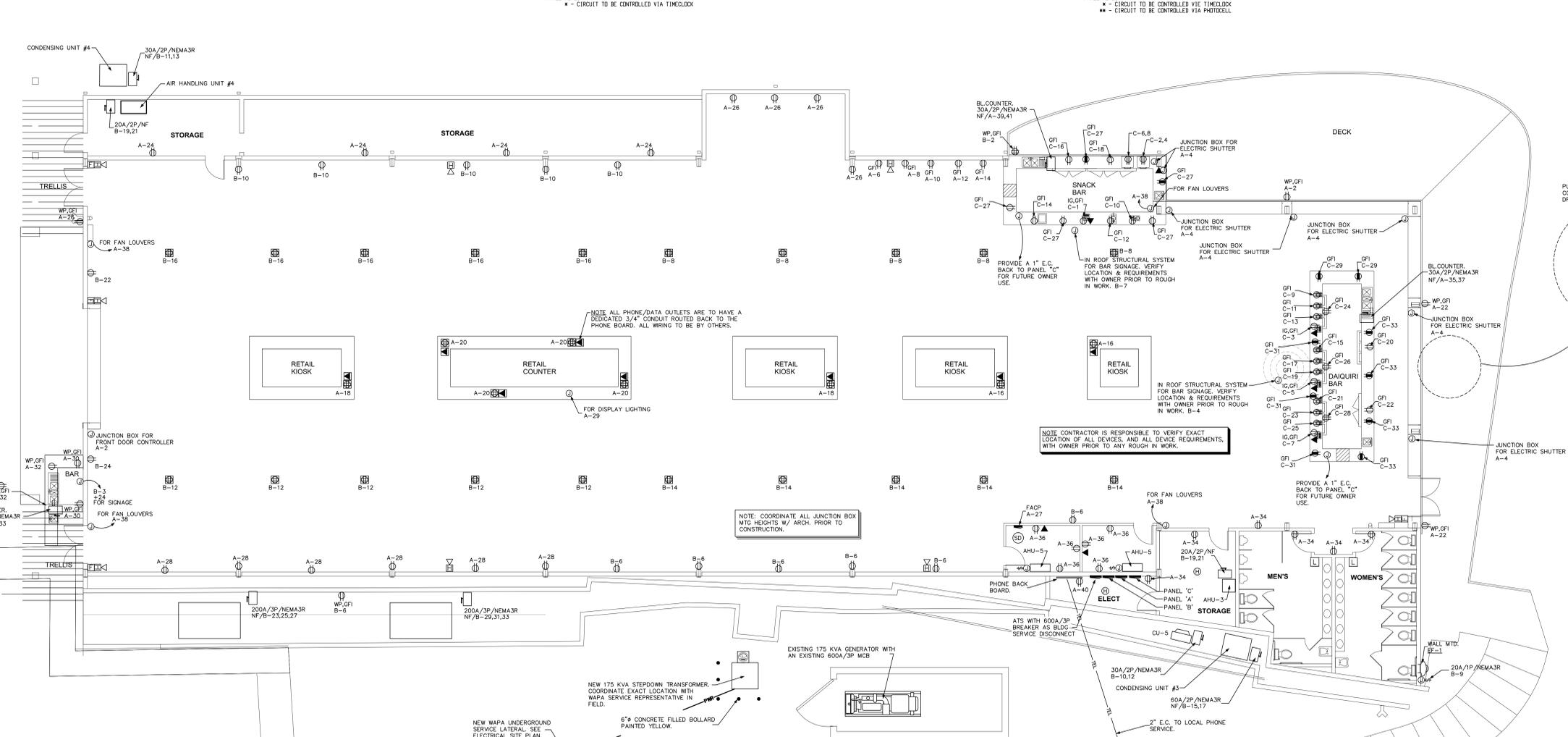
PANEL B DIVERSIFICATION CALCULATIONS	
RECEPTACLES (93) - 16820 VA TOTAL	
FIRST 10 KVA AT 100% - 10000	
REMAINDER AT 75% - 3410	
LIGHTING - 13575	
PLUS COS OF THE LARGEST MOTOR - 9880	
MISC NON-CONTINUOUS LOADS AT 100% - 10018	
MISC CONTINUOUS LOADS AT 125% - 4529	
KITCHEN EQUIPMENT (18) - 15620	
25087 X 0.65 - 16287	
TOTAL DIVERSIFIED PANEL LOAD - 183439	
LOAD AT 120/208V/3-PHASE/4-WIRE - 509.6A	

PANEL C DIVERSIFICATION CALCULATIONS	
RECEPTACLES (16) - 2960 VA TOTAL	
FIRST 10 KVA AT 100% - 2960	
REMAINDER AT 75% - 1896	
LIGHTING - 1896	
PLUS COS OF THE LARGEST MOTOR - 2192	
TOTAL DIVERSIFIED PANEL LOAD - 2192	
LOAD AT 120/208V/3-PHASE/4-WIRE - 58.4A	

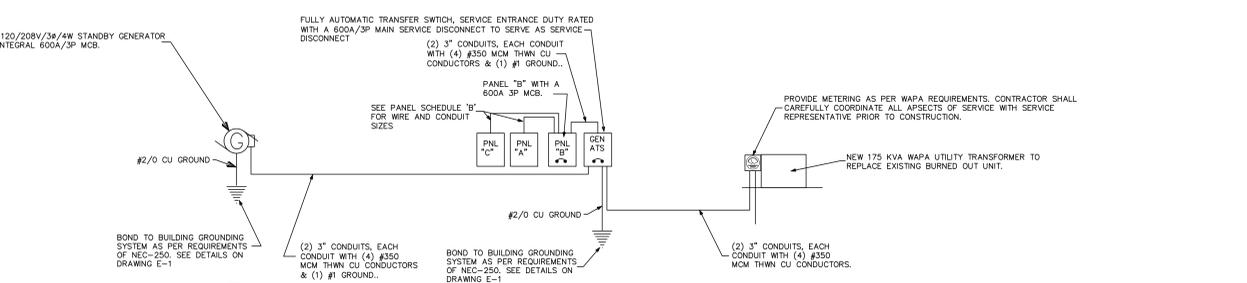
PANEL SCHEDULE C											
125 AMP, 120/208 VOLT, THREE PHASE, FOUR WIRE, W.L.G., 10000 AMPS MINIMUM A.I.C. BRACING, SURFACE MOUNTED, TYPE NEMA 1 ENCLASURE											
#	BKR.	WIRE AND CONDUIT	LOAD DESCRIPTION	NEUT.	LINE A	LINE B	LINE C	LOAD DESCRIPTION	WIRE AND CONDUIT	KEYS	BKR.
		COND. NEUTRAL GND C. KEYS							C. GND NEUTRAL COND.		
1	20/1	#12 #12 #12 1/2	CHAL. CASH REGISTER (1G)	200	200			CONNECTION OVEN DIVEN	CHAL. 1/2 #10 --- #10	30/2	4
3	20/1	#12 #12 #12 1/2	CHAL. CASH REGISTER (1G)	200	200			CONNECTION OVEN DIVEN	CHAL. 1/2 #10 --- #10	30/2	6
5	20/1	#12 #12 #12 1/2	CHAL. CASH REGISTER (1G)	200	200			CONNECTION OVEN DIVEN	CHAL. 1/2 #10 --- #10	30/2	8
7	20/1	#12 #12 #12 1/2	CHAL. CASH REGISTER (1G)	200	200			CONNECTION OVEN DIVEN	CHAL. 1/2 #10 --- #10	30/2	10
9	20/1	#12 #12 #12 1/2	CHAL. BLENDER OUTLET	1123	1123			WARMER UNIT	CHAL. 1/2 #12 #12 #12	20/1	10
11	20/1	#12 #12 #12 1/2	CHAL. BLENDER OUTLET	1123	1123			WARMER UNIT	CHAL. 1/2 #12 #12 #12	20/1	12
13	20/1	#12 #12 #12 1/2	CHAL. BLENDER OUTLET	1123	1123			WARMER UNIT	CHAL. 1/2 #12 #12 #12	20/1	14
15	20/1	#12 #12 #12 1/2	CHAL. BLENDER OUTLET	1123	1123			WARMER UNIT	CHAL. 1/2 #12 #12 #12	20/1	16
17	20/1	#12 #12 #12 1/2	CHAL. BLENDER OUTLET	1123	1123			WARMER UNIT	CHAL. 1/2 #12 #12 #12	20/1	18
19	20/1	#12 #12 #12 1/2	CHAL. BLENDER OUTLET	1123	1123			WARMER UNIT	CHAL. 1/2 #12 #12 #12	20/1	20
21	20/1	#12 #12 #12 1/2	CHAL. BLENDER OUTLET	1123	1123			WARMER UNIT	CHAL. 1/2 #12 #12 #12	20/1	22
23	20/1	#12 #12 #12 1/2	CHAL. BLENDER OUTLET	1123	1123			WARMER UNIT	CHAL. 1/2 #12 #12 #12	20/1	24
25	20/1	#12 #12 #12 1/2	CHAL. BLENDER OUTLET	1123	1123			WARMER UNIT	CHAL. 1/2 #12 #12 #12	20/1	26
27	20/1	#12 #12 #12 1/2	CHAL. BLENDER OUTLET	1123	1123			WARMER UNIT	CHAL. 1/2 #12 #12 #12	20/1	28
29	20/1	#12 #12 #12 1/2	CHAL. BLENDER OUTLET	1123	1123			WARMER UNIT	CHAL. 1/2 #12 #12 #12	20/1	30
31	20/1	#12 #12 #12 1/2	CHAL. BLENDER OUTLET	1123	1123			WARMER UNIT	CHAL. 1/2 #12 #12 #12	20/1	32
33	20/1	#12 #12 #12 1/2	CHAL. BLENDER OUTLET	1123	1123			WARMER UNIT	CHAL. 1/2 #12 #12 #12	20/1	34
35	20/1	#12 #12 #12 1/2	CHAL. BLENDER OUTLET	1123	1123			WARMER UNIT	CHAL. 1/2 #12 #12 #12	20/1	36
37	20/1	#12 #12 #12 1/2	CHAL. BLENDER OUTLET	1123	1123			WARMER UNIT	CHAL. 1/2 #12 #12 #12	20/1	38
39	20/1	#12 #12 #12 1/2	CHAL. BLENDER OUTLET	1123	1123			WARMER UNIT	CHAL. 1/2 #12 #12 #12	20/1	40
41	20/1	#12 #12 #12 1/2	CHAL. BLENDER OUTLET	1123	1123			WARMER UNIT	CHAL. 1/2 #12 #12 #12	20/1	42

PANEL SCHEDULE B											
600 AMP, 120/208 VOLT, THREE PHASE, FOUR WIRE, 600A, W.C.B., 20000 AMPS MINIMUM A.I.C. BRACING, SURFACE MOUNTED, TYPE NEMA 3R ENCLASURE											
#	BKR.	WIRE AND CONDUIT	LOAD DESCRIPTION	NEUT.	LINE A	LINE B	LINE C	LOAD DESCRIPTION	WIRE AND CONDUIT	KEYS	BKR.
		COND. NEUTRAL GND C. KEYS							C. GND NEUTRAL COND.		
1	20/1	#12 #12 #12 1/2	CHAL. STORAGE *	1500	1500			OUTSIDE VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	2
3	20/1	#12 #12 #12 1/2	CHAL. STORAGE *	1500	1500			OUTSIDE VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	4
5	20/1	#12 #12 #12 1/2	CHAL. STORAGE *	1500	1500			OUTSIDE VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	6
7	20/1	#12 #12 #12 1/2	CHAL. STORAGE *	1500	1500			OUTSIDE VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	8
9	20/1	#12 #12 #12 1/2	CHAL. STORAGE *	1500	1500			OUTSIDE VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	10
11	20/1	#12 #12 #12 1/2	CHAL. STORAGE *	1500	1500			OUTSIDE VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	12
13	20/1	#12 #12 #12 1/2	CHAL. STORAGE *	1500	1500			OUTSIDE VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	14
15	20/1	#12 #12 #12 1/2	CHAL. STORAGE *	1500	1500			OUTSIDE VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	16
17	20/1	#12 #12 #12 1/2	CHAL. STORAGE *	1500	1500			OUTSIDE VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	18
19	20/1	#12 #12 #12 1/2	CHAL. STORAGE *	1500	1500			OUTSIDE VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	20
21	20/1	#12 #12 #12 1/2	CHAL. STORAGE *	1500	1500			OUTSIDE VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	22
23	20/1	#12 #12 #12 1/2	CHAL. STORAGE *	1500	1500			OUTSIDE VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	24
25	20/1	#12 #12 #12 1/2	CHAL. STORAGE *	1500	1500			OUTSIDE VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	26
27	20/1	#12 #12 #12 1/2	CHAL. STORAGE *	1500	1500			OUTSIDE VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	28
29	20/1	#12 #12 #12 1/2	CHAL. STORAGE *	1500	1500			OUTSIDE VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	30
31	20/1	#12 #12 #12 1/2	CHAL. STORAGE *	1500	1500			OUTSIDE VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	32
33	20/1	#12 #12 #12 1/2	CHAL. STORAGE *	1500	1500			OUTSIDE VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	34
35	20/1	#12 #12 #12 1/2	CHAL. STORAGE *	1500	1500			OUTSIDE VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	36
37	20/1	#12 #12 #12 1/2	CHAL. STORAGE *	1500	1500			OUTSIDE VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	38
39	20/1	#12 #12 #12 1/2	CHAL. STORAGE *	1500	1500			OUTSIDE VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	40
41	20/1	#12 #12 #12 1/2	CHAL. STORAGE *	1500	1500			OUTSIDE VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	42

PANEL SCHEDULE A											
125 AMP, 120/208 VOLT, THREE PHASE, FOUR WIRE, W.L.G., 10000 AMPS MINIMUM A.I.C. BRACING, SURFACE MOUNTED, TYPE NEMA 3R ENCLASURE											
#	BKR.	WIRE AND CONDUIT	LOAD DESCRIPTION	NEUT.	LINE A	LINE B	LINE C	LOAD DESCRIPTION	WIRE AND CONDUIT	KEYS	BKR.
		COND. NEUTRAL GND C. KEYS							C. GND NEUTRAL COND.		
1	20/1	#12 #12 #12 1/2	CHAL. TENANT SIGNAGE *	1500	1500			FRONT DOOR	CHAL. 1/2 #12 #12 #12	20/1	2
3	20/1	#12 #12 #12 1/2	CHAL. TENANT SIGNAGE *	1500	1500			FRONT DOOR	CHAL. 1/2 #12 #12 #12	20/1	4
5	20/1	#12 #12 #12 1/2	CHAL. OVER HEAD LIGHTING	900	900			SHUTTERS	CHAL. 1/2 #12 #12 #12	20/1	6
7	20/1	#12 #12 #12 1/2	CHAL. OVER HEAD LIGHTING	900	900			VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	8
9	20/1	#12 #12 #12 1/2	CHAL. OVER HEAD LIGHTING	900	900			VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	10
11	20/1	#12 #12 #12 1/2	CHAL. OVER HEAD LIGHTING	900	900			VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	12
13	20/1	#12 #12 #12 1/2	CHAL. OVER HEAD LIGHTING	900	900			VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	14
15	20/1	#12 #12 #12 1/2	CHAL. OFFICE LIGHTS	900	900			VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	16
17	20/1	#12 #12 #12 1/2	CHAL. BATH STORAGE LIGHTS	1200	1200			VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	18
19	20/1	#12 #12 #12 1/2	CHAL. FANS	1536	1536			VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	20
21	20/1	#12 #12 #12 1/2	CHAL. FANS	1536	1536			VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	22
23	20/1	#12 #12 #12 1/2	CHAL. LIGHTING	1080	1080			VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	24
25	20/1	#12 #12 #12 1/2	CHAL. LIGHTING	1080	1080			VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	26
27	20/1	#12 #12 #12 1/2	CHAL. FIRE ALARM CONTROL PANEL	1080	1080			VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	28
29	20/1	#12 #12 #12 1/2	CHAL. FIRE ALARM CONTROL PANEL	1080	1080			VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	30
31	20/1	#12 #12 #12 1/2	CHAL. INSTANT	360	360			VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	32
33	20/1	#12 #12 #12 1/2	CHAL. INSTANT	360	360			VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	34
35	20/1	#12 #12 #12 1/2	CHAL. INSTANT	360	360			VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	36
37	20/1	#12 #12 #12 1/2	CHAL. INSTANT	360	360			VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	38
39	20/1	#12 #12 #12 1/2	CHAL. INSTANT	360	360			VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	40
41	20/1	#12 #12 #12 1/2	CHAL. INSTANT	360	360			VENDING MACHINE	CHAL. 1/2 #12 #12 #12	20/1	42



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



2 ELECTRICAL SERVICE RISER
NO SCALE