

MINI-POWER ZONE L
120/208V/3Ø/4W+GRD
50 AMP BKR. WALL MTD
42,000 AIC LABELED
INTEGRAL PANEL/ TRANSFORMER

CIRC. NO.	LOAD V.A.	LOAD DESCRIPTION	P.O.L.E.	AMP SIZE	P.H.A.S.E.	AMP SIZE	P.O.L.E.	LOAD DESCRIPTION	LOAD V.A.	CIRC. NO.
1	140	PUMP LIGHTG	1	20	A	20	1	INT. RECEPT.	200	2
3	300	EXT. LIGHTING	1	20	B	20	1	BATTERY CHRGR	1000	4
5	200	EXT. RECEPT.	1	20	C	15	2	JACKET HTR	1500	6
7	60	EF-1	1	20	A	--	--			8
9		SPARE	1	20	B	15	2	COOLANT HTR	1500	10
11		SPARE	1	20	C	--	--			12
13		SPACE			A	20	1	SPARE		14
15		SPACE			B			SPACE		16
17		SPACE			C			SPACE		18

- 1 15 KVA MINI-POWER ZONE COMBINATION PANEL/ TRANSFORMER, 480V. PRIMARY WITH 120/208V., 3-PHASE, 4-WIRE SECONDARY. 18 POLE PANEL.
- 2 VERIFY CIRCUITING REQUIREMENTS WITH GENERATOR PROVIDED PRIOR TO ORDERING PANEL AND BREAKERS.

PANEL H
277/480V/3Ø/4W+GRD
225 AMP M.L.O. SURFACE MTD.
42,000 AIC LABELED
W/ GRD. BUS

CIRC. NO.	LOAD V.A.	LOAD DESCRIPTION	P.O.L.E.	AMP SIZE	P.H.A.S.E.	AMP SIZE	P.O.L.E.	LOAD DESCRIPTION	LOAD V.A.	CIRC. NO.
1	15,000	MINI ZONE L	3	25	A	80	3	CP-1	24000	2
3					B					4
5					C					6
7		SPARE	1	20	A	20	3	UH-1	3300	8
9		SPARE	1	20	B					10
11		SPARE	1	20	C					12
13		SPACE			A	20	1	SPARE		14
15		SPACE			B			SPACE		16
17		SPACE			C			SPACE		18

LIGHT FIXTURE SCHEDULE

FIXT. LTR	MANUFACTURER	CATALOG NUMBER	LAMPS		FIXT. VOLT.	FINISH	MOUNTING	REMARKS
			NO.	TYPE				
A	WILLIAMS	96-4-L62-HIAFR-DRV-UNV	--	LED	UNV	WHITE	SURFACE	ENCLOSED AND GASKETED.
B	WILLIAMS	WPI-L44-650-PG-WG-120	--	LED	120	STANDARD	WALL	(1)(2)

- LIGHT FIXTURE SCHEDULE NOTES**
- 1 PROVIDE FIXTURE WITH INTEGRAL PHOTOCELL.
 - 2 MANUFACTURERS LISTED IN THIS SCHEDULE OR APPROVED BY WRITTEN ADDENDUM WILL BE THE ONLY APPROVED MANUFACTURERS TO BID THE LIGHTING FIXTURES FOR THIS PROJECT. CONTRACTORS AND SUPPLIERS USING PRICING FROM MANUFACTURERS NOT LISTED ON SCHEDULE OR BY ADDENDUM DO SO AT THEIR OWN RISK.

SYMBOL LIST

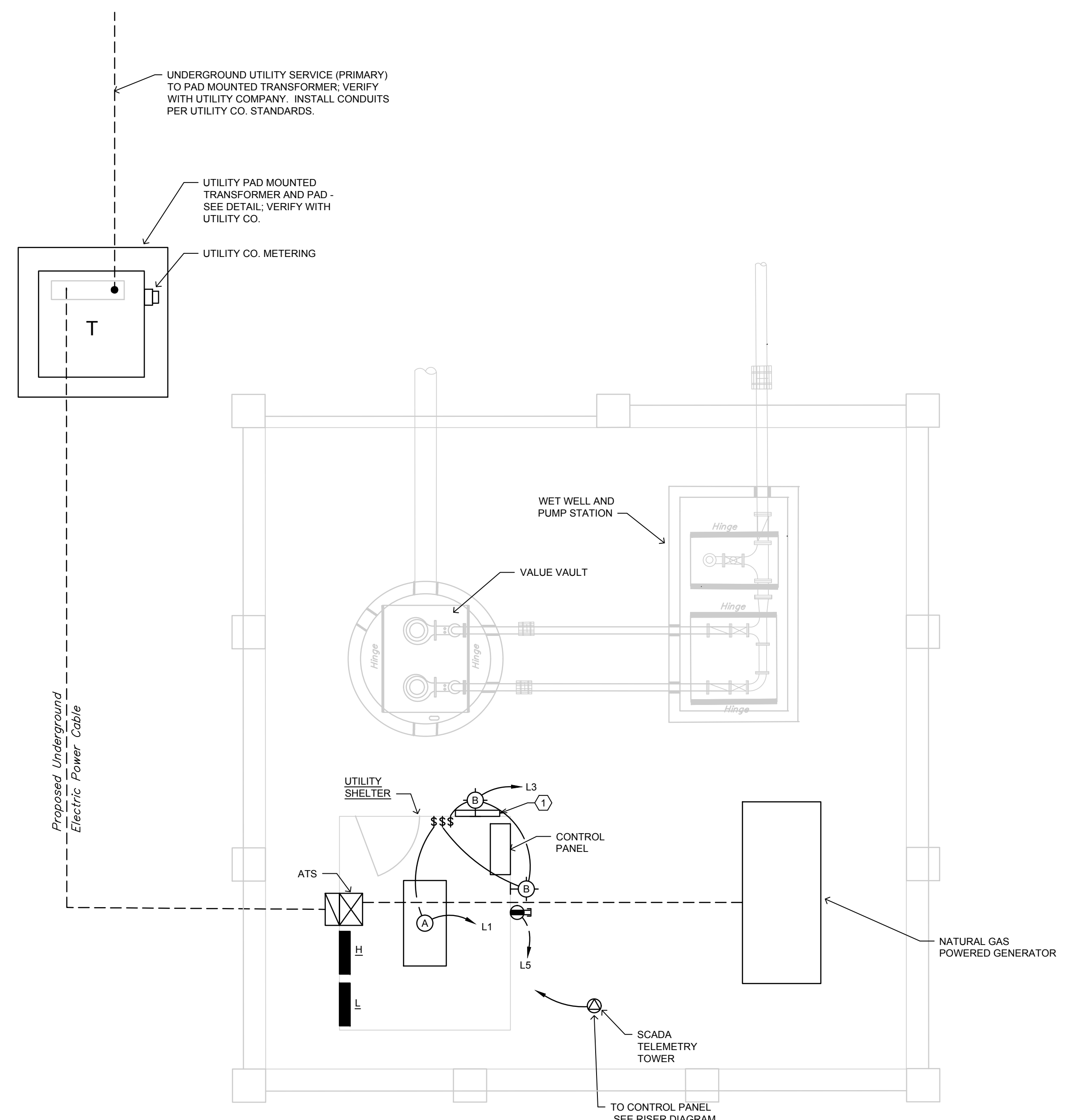
SYMBOL	DESCRIPTION	MOUNTING
(A)	FLUORESCENT FIXTURE & FIXTURE LETTER	CEILING
(A)	INCAND. OR H.I.D. FIXTURE & FIXT. LETTER	WALLBRACKET
⊖	GFCI DUPLEX GROUNDED RECEPTACLE	1'-3" AFF
⊕	DUPLEX GROUNDED RECEPTACLE	1'-3" AFF
⊖	EXTERIOR GFCI RECEPT. WEATHERPROOF	1'-3" AFF
⊖	SWITCHES (1-POLE,3-WAY,4-WAY,PILOT,KEY)	4'-0" TO TOP
J	JUNCTION BOX	
F	FUSTAT	
□	SPECIAL DEVICE AS NOTED ON PLAN	
■	BRANCH CIRCUIT PANEL & PANEL DESIG.	6'-6" TO TOP
30/3/240	H.D. SAFETY SWITCH (AMPS,POLE,VOLTAGE)	6'-6" TO TOP
0/3/240	STARTER (SIZE,POLE,VOLTAGE)	6'-6" TO TOP
T	THERMOSTAT (BY M.C.)	4'-0" TO TOP
●	MOTOR	
—	CONDUIT RUN 2#12 & 1#12 GRD.-1/2"C.	CEIL./WALL
—	CONDUIT RUN 2 CIRCUIT, 3#12 & 1#12 GRD.-1/2"C.	EARTH/FLOOR
—	PARTIAL HOMERUN (MULTIPLE LOAD LOCATIONS)	
#10	SEE NOTE #7	
(XXX)	FEEDER IDENTIFICATION, SEE SCHEDULE	
WP	WEATHERPROOF	
a,b,c	INDICATES SWITCHING SCHEME	

- GENERAL NOTES**
- ALL ELECTRICAL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) & THE AMERICANS WITH DISABILITIES ACT (ADA).
 - REFER TO RELATED ARCHITECTURAL, MECHANICAL, AND STRUCTURAL DRAWINGS FOR RELATED INFORMATION.
 - REFER TO THE SPECIFICATIONS FOR DATA NOT ON THE DRAWINGS.
 - E.C. SHALL REFER TO DRAWINGS AND SPECIFICATIONS FOR THE REQUIREMENTS ASSOCIATED WITH WIRING AND CONNECTION OF INTERLOCKING AND CONTROLS OF MECHANICAL UNITS AND THERMOSTAT LOCATIONS.
 - COORDINATE OUTLET BOX LOCATIONS WITH MASONRY TO MINIMIZE CUTTING OF BRICK OR BLOCK.
 - ALL MOUNTING HEIGHTS TO CENTERLINE OF ITEM UNLESS OTHERWISE NOTED. VERIFY ALL OUTLET LOCATIONS ON THE JOB PRIOR TO ROUGH-IN.
 - CONDUIT RUN W/ CONDUCTORS AS INDICATED & GROUND WIRE SIZED PER N.E.C. 250-122 (2014); CONDUIT SIZE AS REQUIRED.
 - WHEN INCREASED CONDUCTOR SIZES ARE SHOWN ON THE PLANS, THE LARGER CONDUCTOR SIZE SHALL BE USED THROUGHOUT THE LENGTH OF THE CIRCUIT, INCLUDING NEUTRAL AND GROUND.
 - CONTRACTOR SHALL BUILD TO ALL CURRENT NATIONAL, STATE, AND LOCAL CODES.

EQUIPMENT CONNECTION SCHEDULE

UNIT DESIG.	LOAD	PANEL DEVICE RATING (AMPS/POLE)								DISC. DEVICE AT UNIT (AMPS/POLE)				STARTER (SIZE/POLE)			CIRC. NO.	FEEDER IDENT.	
		H.P.	FLA	MCA	20/1	20/3	30/3	60/3	100/3	100/3	40/2	30/2	FUSE SIZE	NEUTRAL	IN CP-1				
CP-	DUPLEX CONTROL PANEL																		
1	(2) 7.5	22	28															H-2	3#4& 1#8GRD-1 1/4" C
P-	PUMP																		
1	7.5	11	14															CP-1	3#10& 1#10GRD-1" C
2	7.5	11	14															CP-1	3#10& 1#10GRD-1" C
EF-	EXHAUST FAN																		
1	60W																	L-7	2#12& 1#12GRD-1/2" C
UH-	UNIT HEATER																		
1	3.3KW	4																H-8	3#12& 1#12GRD-3/4" C

- EQUIPMENT CONNECTION SCHEDULE NOTES**
- ALL CONNECTIONS AND ELECTRICAL EQUIPMENT LISTED IN SCHEDULE SHALL BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. FIELD VERIFY CONNECTION REQUIREMENTS AND EQUIPMENT PROVIDED BY OTHERS PRIOR TO ROUGH-IN.
 - REFER TO DRAWINGS AND SPECIFICATIONS FOR THE REQUIREMENTS ASSOCIATED WITH WIRING AND CONNECTIONS OF INTERLOCKING, THERMOSTAT LOCATIONS, EXHAUST FAN CONTROL SWITCHES, AND OTHER CONTROLS OF MECHANICAL EQUIPMENT.
 - NOT USED.
 - PROVIDE A 30A, 1 POLE, 125V. HORSEPOWER RATED TOGGLE SWITCH WITH A 125V, 3/4 HP RATED FUSTAT (EQUAL TO BUSSMAN #SOY), SIZE FUSE PER MANUFACTURER'S RECOMMENDATION.
 - STARTER AND POWER FACTOR CORRECTION CAPACITORS SHALL BE PROVIDED AS PART OF CP-1. CONTRACTOR TO PROVIDE WIRING FROM CP-1 TO DISTRIBUTION BLOCKS IN JUNCTION BOX LOCATED OUTSIDE BUILDING AND CONNECT PUMP SUPPLIED CABLING AS REQUIRED.
 - PROVIDE CONNECTION TO EXHAUST PROVIDED WITH UTILITY SHED AS REQUIRED. INSTALL A COOK MODEL GC-142 CABINET FAN OR EQUIVALENT. 75 CFM AT 0.25" E.S.P., 59 WATTS, 120V/1/60. INSTALL TIGHT TO CEILING OF UTILITY SHELTER. PROVIDE ALUMINUM GRILLE, WALL CAP PAINTED TO MATCH UTILITY SHELTER. CONTROL TRANSFORMER, AND 24V. THERMOSTAT TO TURN FAN ON ABOVE 80" (ADJUSTABLE). INSTALL A 12"x 12" WALL LOUVER WITH MOTORIZED DAMPER INTERLOCKED TO OPEN WITH FAN OPERATION.
 - PROVIDE CONNECTION TO UNIT HEATER IN UTILITY SHED AS REQUIRED. VERIFY LOCATION PRIOR TO ROUGH-IN. INSTALL A MARKEL MODEL P3P5103CAIN ELECTRIC UNIT HEATER OR EQUIVALENT. HEATER SHALL BE 3.3 KW, 112 MBH, 4.0A, 480/3/60. PROVIDE WITH WALL MOUNTING BRACKET, CONTROL TRANSFORMER, AND 24 V LOW VOLTAGE THERMOSTAT TO START THE HEATER BELOW 50" (ADJUSTABLE).



A ELECTRICAL LAYOUT DIAGRAM
SCALE: 1/4"= 1'-0"
KEYNOTES:
1 NEMA 4XSS JUNCTION BOX WITH DISTRIBUTION BLOCKS AS SHOWN ON RISER. MOUNT JUNCTION BOX ON STAINLESS STEEL UNI-STRUT ADJACENT TO BUILDING.

ELECTRICAL SCHEDULES - FLOOR PLAN

Baughman Village Charters 3rd Addition
PUMP STATION
Sanitary Sewer Main

PROJECT NUMBER: XXXXXXXX
DESIGN: GS
DRAWN: RT
APPROVED: PJV
DATE: 07/17/20
SCALE: AS NOTED
SHEET: 12 OF 28

