

SYMBOLS (NOT ALL USED)

ABBREVIATIONS (NOT ALL USED)

SHEET INDEX

WIRING DEVICE LEGEND

Table with symbols and descriptions for wiring devices including receptacles, junction boxes, outlets, and switches.

SINGLE LINE DIAGRAM LEGEND

Table with symbols and descriptions for single line diagram components like circuit breakers, meters, transformers, and UPS systems.

LIGHTING CONTROL LEGEND

Table with symbols and descriptions for lighting controls such as toggle switches, dimmers, and occupancy sensors.

LIGHTING LEGEND

Table with symbols and descriptions for lighting fixtures, emergency lights, and exit signs.

POWER DISTRIBUTION LEGEND

Table with symbols and descriptions for power distribution components including boards, transformers, and conduits.

FLOOR BOX LEGEND

Table with symbols and descriptions for floor boxes used for duplex, quad, and raised duplex/quad connections.

Comprehensive list of abbreviations for electrical components and materials, including AMP, AFC, AWG, BLDG, C, CB, CKT, etc.

Table with columns for SHEET, DESCRIPTION, and SCALE, detailing sheet E-0.0, E-1.0, and E-2.0.

GENERAL NOTES

- General notes detailing material requirements, workmanship standards, and specific instructions for installation and safety.

APPLICABLE CODES AND STANDARDS

- List of applicable codes and standards including California Administrative Code, Building Code, Electrical Code, Fire Code, and International Codes.

STEAM SYSTEM BOILER REPLACEMENT PROJECT ROWLAND UNIFIED SCHOOL DISTRICT RUTH RICHARD FOOD CENTER 4032 S. ELLESFORD AVENUE WEST COVINA, CALIFORNIA 91792

BID SET table with columns for No., Revision/Issue, and Date.

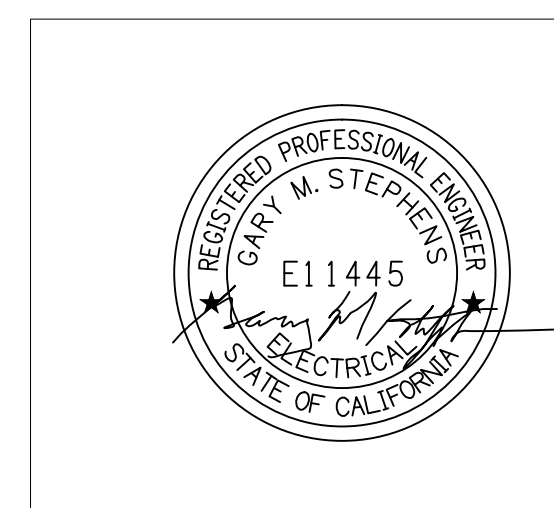
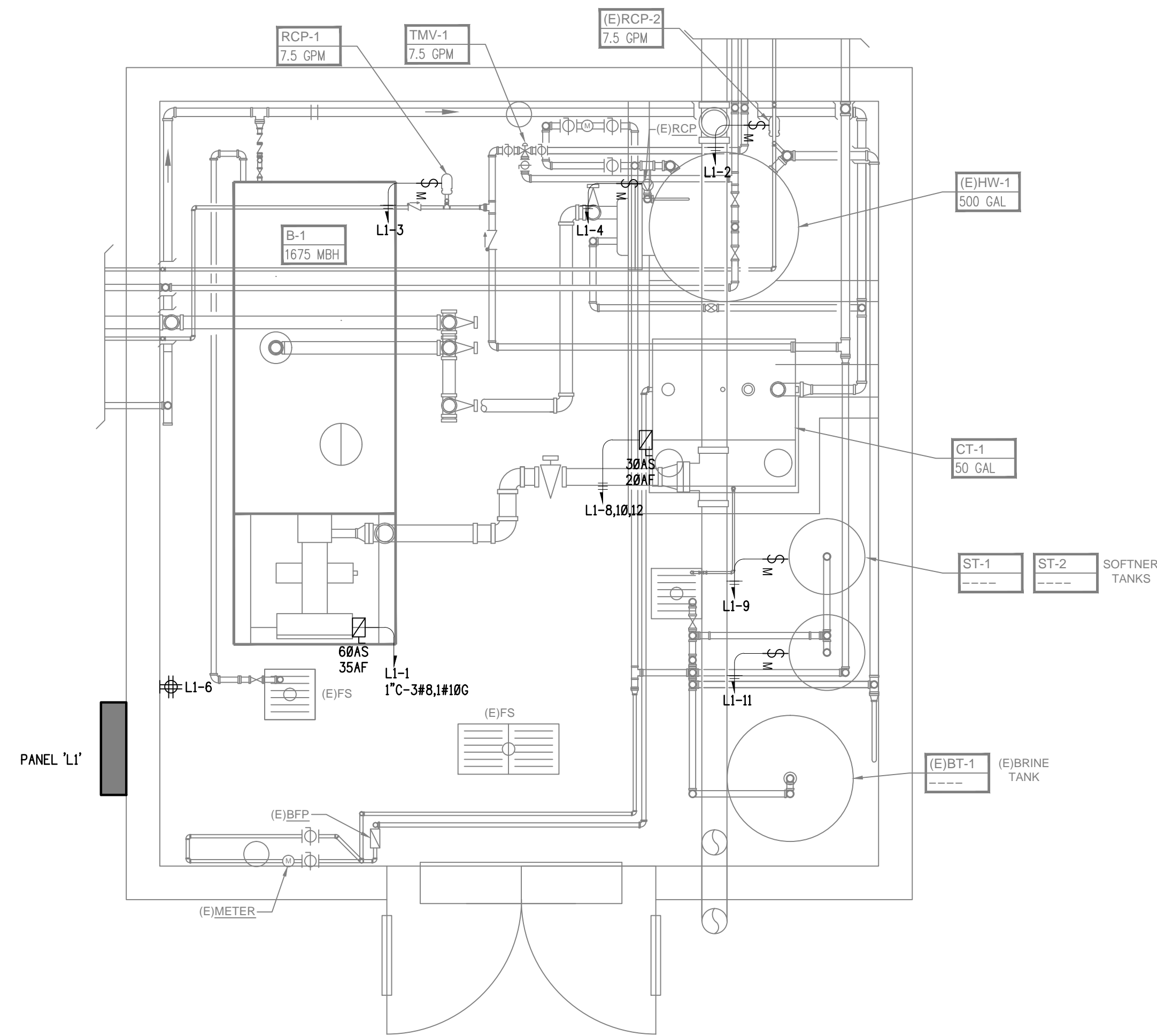


Table with Project, Date, and Sheet information, showing Project as STEAM SYSTEM BOILER REPLACEMENT PROJECT, Date as 3/22/2018, and Sheet as E-0.0.



**STEAM SYSTEM BOILER
REPLACEMENT PROJECT**
ROWLAND UNIFIED SCHOOL DISTRICT
RUTH RICHARD FOOD CENTER
4032 S. ELLESFORD AVENUE
WEST COVINA, CALIFORNIA 91792

No.	Revision/Issue	Date
	BID SET	03/22/18

ELECTRICAL POWER PLAN

1
1/2"=1'-0"

(N) L1		SERVICE	MAIN	BUS	POLES	MOUNT	AIC	LOCATION: BOILER ROOM					
		208/120V, 3P, 4W	100	100	18	SURFACE	10K	FED FROM: PANEL 'G'					
		PROJECT NAME: STEAM SYSTEM BOILER REPLACEMENT PROJECT											
CKT NO.	C.B. AMP	C.B. POLE	DESCRIPTION	LOAD (KVA)						DESCRIPTION	C.B. AMP	C.B. POLE	CKT NO.
				TOTAL	TYPE	A	B	C	TYPE				
1	35	1	BOILER 'B-1'	3.36	M	3.61			M	0.25	20	1	2
3	20	1	RECIRC PUMP 'RCP-1'	0.25	M		0.50		M	0.25	20	1	4
5								0.36	R	0.36	20	1	6
7						0.55			A	0.55	20	3	8
9	20	1	WATER SOFTENER 'ST-1'	0.18	M		0.73		A	0.55	-	-	10
11	20	1	WATER SOFTENER 'ST-2'	0.18	M			0.73	A	0.55	-	-	12
13													14
15													16
17													18
CONNECTED LOAD PER PHASE (KVA):				4.16	1.23	1.09							
CONNECTED LOAD PER PHASE (AMPS):				34.67	10.25	9.08							
LOAD SUMMARY				CONN. KVA	DEMAND FACTOR	DEMAND KVA							
TYPE "L": CONTINUOUS LOADS					125%								
TYPE "R": RECEPTACLES (FIRST 10KVA)				0.36	100%	0.36							
TYPE "R": RECEPTACLES (OVER 10KVA)					50%								
TYPE "M": MISCELLANEOUS LOADS				4.47	100%	4.47							
TYPE "A": LARGEST MOTOR LOAD				1.65	125%	2.06							
TYPE "K": KITCHEN LOADS					65%								
TOTAL				6.48		6.89	DEMAND AMPS		19.15				

NOTES: • NEW = BOLD FACE, EXISTING = NON-BOLD FACE
• PROVIDE MULTI-POLE BREAKERS, OR SINGLE-POLE BREAKERS WITH HANDLE-TIE, FOR ANY MULTI-WIRE BRANCH CIRCUITS TO BE INSTALLED PER NEC 210.4(B).

ELECTRICAL PANEL SCHEDULE

2
NTS



SHEET TITLE:
ELECTRICAL POWER PLAN AND PANEL SCHEDULE

Project:	-----	Sheet:	
Date:	3/22/2018	Sheet:	E-2.0
Status:	AS NOTED		