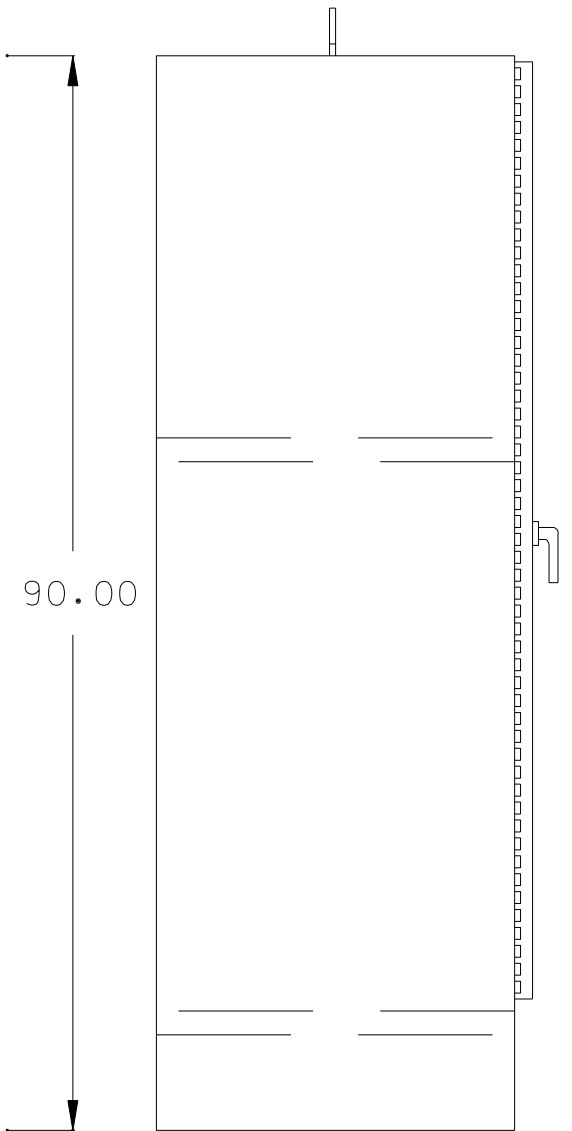
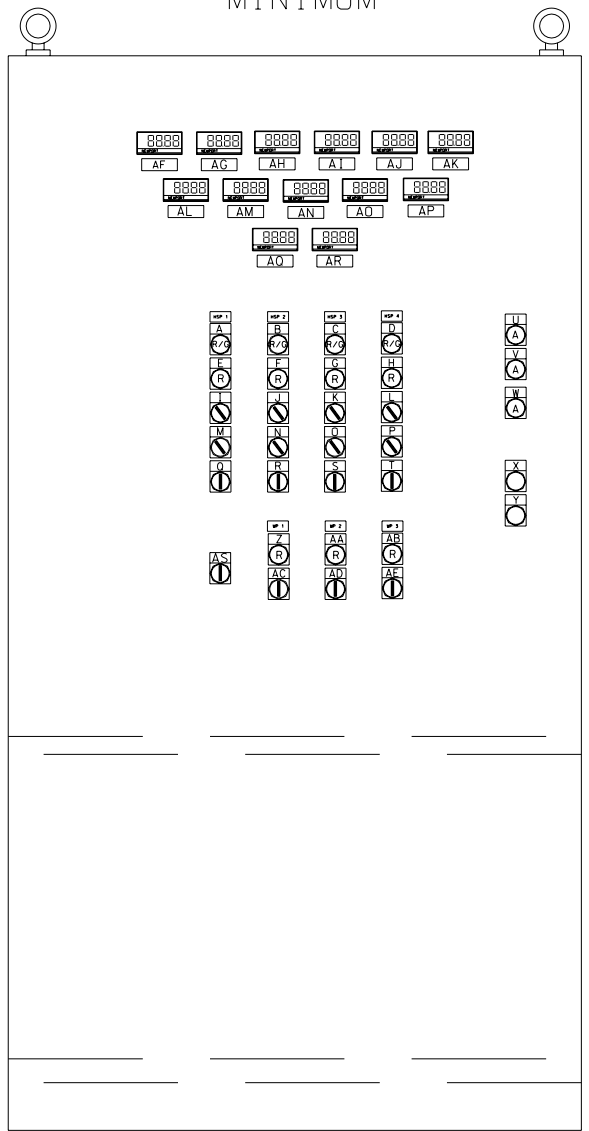


EXTERIOR FRONT VIEW  
48.0000  
MINIMUM

EXTERIOR SIDE VIEW  
30.0000



90.00

ITEM	TAG NO.	QTY	LET.	DESCRIPTION	LEGEND PLATE	B.O.M. CROSS REFERENCE
1		1	A	HSP #1 DISCHARGE VALVE POSITION	DISCH VLV OPEN/CLOSE	
2		1	B	HSP #2 DISCHARGE VALVE POSITION	DISCH VLV OPEN/CLOSE	
3		1	C	HSP #3 DISCHARGE VALVE POSITION	DISCH VLV OPEN/CLOSE	
4		1	D	HSP #4 DISCHARGE VALVE POSITION	DISCH VLV OPEN/CLOSE	
5		1	E	HSP #1 PUMP RUN STATUS	PUMP RUN STATUS	
6		1	F	HSP #2 PUMP RUN STATUS	PUMP RUN STATUS	
7		1	G	HSP #3 PUMP RUN STATUS	PUMP RUN STATUS	
8		1	H	HSP #4 PUMP RUN STATUS	PUMP RUN STATUS	
9		1	J	HSP #1 SCP OR MCC SWITCH	SCP/MCC	
10		1	J	HSP #2 SCP OR MCC SWITCH	SCP/MCC	
11		1	K	HSP #3 SCP OR MCC SWITCH	SCP/MCC	
12		1	L	HSP #4 SCP OR MCC SWITCH	SCP/MCC	
13		1	M	HSP #1 MANUAL OR COMPUTER SWITCH	COMP/MAN	
14		1	N	HSP #2 MANUAL OR COMPUTER SWITCH	COMP/MAN	
15		1	O	HSP #3 MANUAL OR COMPUTER SWITCH	COMP/MAN	
16		1	P	HSP #4 MANUAL OR COMPUTER SWITCH	COMP/MAN	
17		1	O	HSP #1 START OR STOP SWITCH	START/STOP	
18		1	R	HSP #2 START OR STOP SWITCH	START/STOP	
19		1	S	HSP #3 START OR STOP SWITCH	START/STOP	
20		1	T	HSP #4 START OR STOP SWITCH	START/STOP	
21		1	U	DISCHARGE PRESSURE HIGH	DISCHARGE PRESSURE	
22		1	V	DISCHARGE PRESSURE LOW	DISCHARGE PRESSURE	
23		1	W	COMMUNICATIONS FAILURE	COMM FAIL	
24		1	X	LAMP TEST PUSHBUTTON	LAMP TEST	
25		1	Y	LIGHT ENABLE PUSHBUTTON	PANEL LIGHTS ON	
26		1	Z	WELL PUMP #1 PUMP RUN STATUS	PUMP RUN STATUS	
27		1	AA	WELL PUMP #2 PUMP RUN STATUS	PUMP RUN STATUS	
28		1	AB	WELL PUMP #3 PUMP RUN STATUS	PUMP RUN STATUS	
29		1	AC	WELL PUMP #1 STOP/RESET	STOP/RESET	
30		1	AD	WELL PUMP #2 STOP/RESET	STOP/RESET	
31		1	AE	WELL PUMP #3 STOP/RESET	STOP/RESET	
32		1	AF	HSP 1 FLOW RATE INDICATOR	HSP 1 FLOWRATE	
33		1	AG	HSP 2 FLOW RATE INDICATOR	HSP 2 FLOWRATE	
34		1	AH	HSP 3 FLOW RATE INDICATOR	HSP 3 FLOWRATE	
35		1	AI	HSP 4 FLOW RATE INDICATOR	HSP 4 FLOWRATE	
36		1	AJ	TOTAL FLOW RATE INDICATOR	TOTAL FLOW	
37		1	AK	SERVICE LEVEL DISCHARGE PRESSURE	SVC LVL DISCH PSI	
38		1	AL	WELL PUMP #1 FLOW RATE INDICATOR	WP1 FLOW RATE	
39		1	AM	WELL PUMP #2 FLOW RATE INDICATOR	WP2 FLOW RATE	
40		1	AN	WELL PUMP #3 FLOW RATE INDICATOR	WP3 FLOW RATE	
41		1	AO	WELL PUMP TOTAL FLOW RATE INDICATOR	WP TOTAL FLOW RATE	
42		1	AP	CHLORINE RESIDUAL INDICATOR	CHLORINE RESIDUAL	
43		1	AO	RESERVOIR 1 LEVEL INDICATOR	RESERVOIR 1 LEVEL	
44		1	AR	RESERVOIR 2 LEVEL INDICATOR	RESERVOIR 2 LEVEL	
45		1	AS	TANK SELECTOR SWITCH	TANK1 TANK1&2 TANK2	
46						

NOTES:  
1. ENCLOSURE TO BE FREE STANDING NEMA 12 FABRICATED FROM 11 GAUGE STEEL.

DRAWN BY \_\_\_\_\_ APPR. \_\_\_\_\_  
PROJECT ENG. \_\_\_\_\_ APPR. \_\_\_\_\_  
PROJECT MGR. \_\_\_\_\_ APPR. \_\_\_\_\_

TITLE: WATER PRODUCTION CONTROL SYSTEM  
DESIGN STANDARDS PUMP STATION  
SUPERVISORY CONTROL PANEL  
MECHANICAL LAYOUT

PROJECT  
WATER PRODUCTION CONTROL SYSTEM  
SAN ANTONIO WATER SYSTEM  
SAN ANTONIO, TEXAS

GEI  
GRUBB ENGINEERING, INC.  
ELECTRICAL POWER SYSTEMS  
ENGINEERING AND TESTING  
206 GIBBS-SPRAWL  
P.O. BOX 95  
CONVERSE, TEXAS 78109  
PHONE: (210) 658-7250  
FAX: (210) 658-9605

JOB NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_ SH OF REV. \_\_\_\_\_  
1 1

REV.	DATE	DESCRIPTION	BY	APPR.

No.	Revision	Drawn	Approved	Date

Revisions  
DESIGN STANDARDS  
PUMP STATION  
SUPERVISORY CONTROL PANEL  
MECHANICAL LAYOUT

Developer SAN ANTONIO WATER SYSTEM  
Cont. \_\_\_\_\_ Budget Proj.

SUBMITTED GRUBB ENGINEERING, INC.  
APPROVED \_\_\_\_\_

Map No. \_\_\_\_\_ Sheet  
Section No. \_\_\_\_\_  
Dr. Rdcj|Ch Job No. \_\_\_\_\_ E 11