


This document and the design it covers are the property of PARSONS. They are loaned only with the borrower's expressed written agreement that they will not be reproduced, copied, viewed, examined, or used in any other way, except by written consent from PARSONS to the borrower.

PANEL 163RP.1		LOCATION ROOM 163										VOLTS 208Y/120V				
FED FROM	CKT #	MOUNTING Recessed										MAIN				
		PHASE 3			WIRE 4			FEEDER				BUS 225				
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	RCPT RM 165	1	3	30	8646	2882	0	0	720	20	1	2	RCPT RM 162	2		
3		3				0	2882	0	720	20	1	4	RCPT RM 162	4		
5		5				0	0	2882	540	20	1	6	RCPT RM 165	6		
7	RCPT RM 162	7	1	20	540	540	0	0	360	20	1	8	RCPT RM 165	8		
9	RCPT RM 165	9	1	20	360	0	360	0	900	20	1	10	RCPT RM 161	10		
11	RCPT RM 163	11	1	20	360	0	0	360	360	20	1	12	RCPT RM 163	12		
13	RCPT RM 162	13	1	20	540	540	0	0	900	20	1	14	RCPT RM 161	14		
15	RCPT RM 165	15	1	20	540	0	540	0	360	20	1	16	RCPT RM 163	16		
17	CORR 177,178 & 179	17	1	20	900	0	0	900	0	20	1	18	SPARE	18		
19	LTG RM 162	19	1	20	540	540	0	0	300	20	1	20	FACP RM 161	20		
21	RCPT RM 163	21	1	20	360	0	360	0	500	20	1	22	EXHAUST RM 137	22		
23	SPARE	23	1	20	0	0	0	3750	7500	50	2	24	L-CS-139-SV-03	24		
25	MICROWAVE RM 145	25	1	20	1350	1350	0	0	0	20	1	26	SPARE	26		
27	JB REMOTE FIRE PNL	27	1	20	1920	0	1920	0	4000	30	2	28	L-CS-140-SV-05	28		
29	J BOX RM 121	29	1	20	0	0	0	2000	0	20	1	30	SPARE	30		
31	COOK TOP RM 145	31	3	30	7300	2433	0	0	4000	30	2	32	L-CS-141-SV-07	32		
33		33				0	2433	0	0	20	1	34	SPARE	34		
35		35				0	0	2433	4000	30	2	36	L-CS-142-SV-09	36		
37	RCPT RM 160	37	1	20	900	900	0	0	0	20	1	38	SPARE	38		
39	L-CS-160-SV-18	39	2	30	4000	0	0	0	4000	30	2	40	L-CS-143-SV-10	40		
41		41				0	0	0	0	20	1	42	SPARE	42		
TOTAL						19215	18975	19225								
TOTAL CONNECTED LOAD (VA)						57415										
(AMPS)																

PANEL 163RP.2		LOCATION ROOM 163										VOLTS 208Y/120V				
FED FROM	CKT #	MOUNTING Recessed										MAIN				
		PHASE 3			WIRE 4			FEEDER				BUS 225				
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	DUAL DUPLEX RCPT RM 162	1	1	20	1920	1920	0	0	1920	20	1	2	DUAL DUPLEX RCPT RM 165	2		
3	DUAL DUPLEX RCPT RM 162	3	1	20	1920	0	1920	0	1920	20	1	4	DUAL DUPLEX RCPT RM 165	4		
5	DUAL DUPLEX RCPT RM 162	5	1	20	1920	0	0	1920	1920	20	1	6	DUAL DUPLEX RCPT RM 165	6		
7	DUAL DUPLEX RCPT RM 162	7	1	20	1920	1920	0	0	1920	20	1	8	DUAL DUPLEX RCPT RM 165	8		
9	DUAL DUPLEX RCPT RM 162	9	1	20	1920	0	1920	0	1920	20	1	10	DUAL DUPLEX RCPT RM 165	10		
11	DUAL DUPLEX RCPT RM 162	11	1	20	1920	0	0	1920	1920	20	1	12	DUAL DUPLEX RCPT RM 165	12		
13	DUAL DUPLEX RCPT RM 162	13	1	20	1920	1920	0	0	1920	20	1	14	DUAL DUPLEX RCPT RM 161	14		
15	DUAL DUPLEX RCPT RM 162	15	1	20	1920	0	1920	0	1920	20	1	16	DUAL DUPLEX RCPT RM 161	16		
17	DUAL DUPLEX RCPT RM 162	17	1	20	1920	0	0	1920	1920	20	1	18	DUAL DUPLEX RCPT RM 161	18		
19	DUAL DUPLEX RCPT RM 161	19	1	20	1920	1920	0	0	1920	20	1	20	DUAL DUPLEX RCPT RM 161	20		
21	DUAL DUPLEX RCPT RM 161	21	1	20	1920	0	1920	0	0	20	1	22	SPARE	22		
23	DUAL DUPLEX RCPT RM 163	23	1	20	1920	0	0	1920	0	20	1	24	SPARE	24		
25	SPARE	25	1	20	0	0	0	0	0	20	1	26	SPARE	26		
27	SPARE	27	1	20	0	0	0	0	0	20	1	28	SPARE	28		
29	SPARE	29	1	20	0	0	0	0	0	20	1	30	SPARE	30		
31	SPARE	31	1	20	0	0	0	0	0	20	1	32	SPARE	32		
33	SPARE	33	1	20	0	0	0	0	0	20	1	34	SPARE	34		
35	SPARE	35	1	20	0	0	0	0	0	20	1	36	SPARE	36		
37	SPARE	37	1	20	0	0	0	0	0	20	1	38	SPARE	38		
39	SPARE	39	1	20	0	0	0	0	0	20	1	40	SPARE	40		
41	SPARE	41	1	20	0	0	0	0	0	20	1	42	SPARE	42		
TOTAL						15360	13440	13440								
TOTAL CONNECTED LOAD (VA)						42240										
(AMPS)																

PANEL 172PP.1		LOCATION ROOM 172										VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING Recessed										MAIN Main Lugs				
		PHASE 3			WIRE 4			FEEDER				BUS 225				
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	JB RM 167	1	3	60	39905	13302	0	0	39905	60	3	2	JB ROOM 167	2		
3		3				13302	13302	0	0	20	1	4		4		
5		5				0	0	13302	0	20	1	6		6		
7	RM 166	7	3	60	39905	13302	0	0	831	15	3	8	DOOR MOTOR 170	8		
9		9				13302	13302	0	0	20	1	10		10		
11		11				0	0	13302	0	20	1	12		12		
13	DOOR MOTOR 173	13	3	15	1496	499	0	0	831	15	3	14	DOOR MOTOR 170	14		
15		15				499	499	0	0	20	1	16		16		
17		17				0	0	499	0	20	1	18		18		
19	J BOX RM 174	19	3	60	39905	13302	0	0	15	15	3	20	SPARE	20		
21		21				0	13302	0	0	20	1	22		22		
23		23				0	0	13302	0	20	1	24		24		
25	JB RM 167	25	3	60	39905	13302	0	0	39905	60	3	26	JB FUME HOOD 169	26		
27		27				13302	13302	0	0	20	1	28		28		
29		29				0	0	13302	0	20	1	30		30		
31	JB BAKE OVEN 169	31	3	60	39905	13302	0	0	20	20	3	32	SPARE	32		
33		33				0	13302	0	0	20	1	34		34		
35		35				0	0	13302	0	20	1	36		36		
37	SPARE	37	3	60	0	0	0	0	30	30	3	38	SPARE	38		
39		39				0	0	0	0	20	1	40		40		
41		41				0	0	0	0	20	1	42		42		
TOTAL						94164	94164	94164								
TOTAL CONNECTED LOAD (VA)						262492										
(AMPS)																

PANEL 144RP.1		LOCATION ROOM 144										VOLTS 208Y/120V				
FED FROM	CKT #	MOUNTING Recessed										MAIN				
		PHASE 3			WIRE 4			FEEDER				BUS 225				
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	RCPT XEROX RM 144	1	3	30	960	960	0	0	1200	20	1	2	RCPT RMS 121,122,147 & 148	2		
3		3				0	960	0	1080	20	1	4	RCPT RMS 122,146,147 & 149, PRIMER	4		
5		5				0	0	960	720	20	1	6	RCPT RMS 122,123,146 & 147	6		
7	DISHWASHER RM 145	7	1	20	1000	1000	0	0	720	20	1	8	REFIGERATOR RM 145	8		
9	RECEPTACLE RM 147	9	1	20	240	0	240	0	1080	20	1	10	RECEPTACLE RMS 123 TO 129	10		
11	RECEPT RMS 125,139,144,150	11	1	20	720	0	0	720	300	20	1	12	RECEPTACLE RM 144, TRAP PRIMER	12		
13	SPACE	13	1	20	0	1200	0	0	1200	20	1	14	RCPT RMS 125,141,142,143,144 & 145	14		
15	RECEPTACLE GFI	15	1	20	840	0	840	0	480	20	1	16	RECEPTACLE RMS 132 TO 135	16		
17	RECEPTACLE EWC	17	1	20	1000	0	0	1000	840	20	1	18	RECEPTACLE RMS 128,130,136,138,151	18		
19	RECEPT RMS 128,131,137,138,140, PRIMER	19	1	20	960	1080	0	0	600	20	1	20	RECEPTACLE RMS 123 TO 129	20		
21	RECEPT RMS 123,124,126 TO 129	21	1	20	720	0	720	0	600	20	1	22	RCPT RMS 140,141,142 & 145	22		
23	DISPOSAL RM 145	23	1	20	1150	0	0	1150	7500	50	2	24	L-CS-144-SV-11	24		
25	RECEPTACLE RM 128,140,152	25	1	20	720	720	0	0	0	20	1	26	SPARE	26		
27	L-CS-146-SV-17	27	2	50	7500	0	0	3750	4000	30	2	28	L-CS-123-SV-13	28		
29		29				0	0	0	0	20	1	30		30		
31	RECEPTACLE RMS 132 TO 135	31	1	20	600	600	0	0	4000	30	2	32	L-CS-146-SV-14	32		
33	RPT RMS 132 TO 135	33	1	20	480	0	480	0	0	20	1	34		34		
35	L-CS-144-SV-12	35	2	30	4000	0	0	2000	840	20	1	36	RECEPTACLE GFCI	36		
37		37				2000	2160	0	0	30	1	38	ROOM 121 & 122 LTG	38		
39	EXHAUST MOTOR RM 149	39	1	20	1176	0	1176	0	900	15	1	40	ROOM 122 LTG	40		
41	PATIO LTG	41	1	15	82	0	0	82	0	20	1	42	SPARE	42		
TOTAL						18050	16366	18112								
TOTAL CONNECTED LOAD (VA)						52528										
(AMPS)																

REFERENCES	2 8-7-98 JE (A.K. AW) ISSUED FOR AS-BUILT 1 2-28-97 J.G. RDC KCR F.D.M. GENERAL REVISIONS										AS-BUILT DRAWINGS		ISSUED FOR CONSTRUCTION DRAWN M.M. 11-15-96 CHECKED J.C.L. 7-24-96 ENGINEER K.C.R. 10-25-96 PROJ T.D.M. 11-15-96		 100 WEST WALNUT STREET PASADENA, CALIFORNIA	
------------	--	--	--	--	--	--	--	--	--	--	-------------------	--	--	--	---	--