



# REDEEMER LUTHERAN CHURCH - ONE LINE DIAGRAM

NTS

**PANEL "M"**

120/208 3P 4W 225A MLO N-1 SURFACE MOUNT 22KAIC

Circuit No.	Description	Conductor Size	Volt-Amps A	Volt-Amps B	Volt-Amps C	Breaker Size	Breaker Size	Volt-Amps A	Volt-Amps B	Volt-Amps C	Breaker Size	Volt-Amps A	Volt-Amps B	Volt-Amps C	Description	Conductor Size	Volt-Amps A	Volt-Amps B	Volt-Amps C	Circuit No.
1			4800					4800				4800					4800			2
3	AHU-1	#6	4800	4800	4800	3P 60A	3P 60A	4800	4800	4800	3P 60A	4800	4800	4800	AHU-2		4800	4800	4800	4
5																				6
7	AHU-3		3600	3600	3600	3P 60A	3P 60A	3600	3600	3600	3P 60A	3600	3600	3600	AHU-4		1200	1200	1200	8
9																				10
11		#6	1200					1200				1200					1200			12
13	AHU-5		1200	1200	1200	3P 20A	3P 20A	1200	1200	1200	3P 20A	1200	1200	1200	CU-1		3150	3150	3150	14
15																				16
17			3150					3150				3150					3150			18
19																				20
21	CU-2		3150	3150	3150	3P 40A	3P 40A	3150	3150	3150	3P 40A	3150	3150	3150	CU-3		2700	2700	2700	22
23																				24
25	CU-4		1800	1800	1800	3P 20A	3P 20A	1800	1800	1800	3P 20A	1800	1800	1800	CU-5		1800	1800	1800	26
27																				28
29																				30
31	SPACE														SPACE					32
33	SPACE														SPACE					34
35	SPACE														SPACE					36
37	SPACE														SPACE					38
39	SPACE														SPACE					40
41	SPACE														SPACE					42
			14550	14550	14550	PHASE	PHASE	14550	14550	14550	PHASE	14550	14550	14550			13650	13650	13650	
			22500	27300	28200	PH. TOTAL	PH. TOTAL	22500	27300	28200	PH. TOTAL	22500	27300	28200			22500	27300	28200	
						TOTAL VA	TOTAL VA	50700			TOTAL VA	50700								

**PANEL "MDP"**

120/208 3P 4W 600A MLO N-3R SURFACE MOUNT 22KAIC

Circuit No.	Description	Conductor Size	Volt-Amps A	Volt-Amps B	Volt-Amps C	Breaker Size	Breaker Size	Volt-Amps A	Volt-Amps B	Volt-Amps C	Breaker Size	Breaker Size	Volt-Amps A	Volt-Amps B	Volt-Amps C	Conductor Size	Description	Circuit No.						
1	PANEL "Lp"	4/0	24300	27000	22500	3P 225A	3P 225A	24300	27000	22500	3P 200A	3P 200A	22500	27300	28200	3/0	PANEL "M"	2						
3			24300	27000	22500			22500	27300	28200			4											
5			24300	27000	22500			22500	27300	28200			6											
7	200A SPACE																100A SPACE	8						
9																							10	
11																								
13	200A SPACE																100A SPACE	14						
15																								16
17																								
												PHASE	22500	27300	28200									
												PH. TOTAL	22500	54600	56400									
												TOTAL VA				78900								

