

EXISTING Panel 'SL1'												
BINNERRI CHURCH, RICHARDSON TX												
VOLTAGE: 120/208 3 PHASE, 4 WIRE+G												
ENCLOSURE: NEMA-1												
MAIN BUS: 50 AMP MLO (fed from 45 KVA xfrm & SL2)												
MOUNTING: SURFACE												
MIN. INTERRUPTING CURRENT: Field Verify - 10k												
BUS TYPE: COPPER												
POLE	DESCRIPTION	FEEDER NO.	TOTAL VA	REM.	CIRCUIT BREAKER	P H	CIRCUIT BREAKER	REM.	TOTAL VA	FEEDER NO.	DESCRIPTION	POLE
1	UNKNOWN		500	1/20	A	1/20			500		UNKNOWN	2
3	UNKNOWN		500	1/20	B	1/20			500		UNKNOWN	4
5	UNKNOWN		500	1/20	C	1/20			500		UNKNOWN	6
7	UNKNOWN		500	1/20	A	1/20	1440	3	1440	3	AVL - Receptacle	8
9	UNKNOWN		500	1/20	B	1/20	1440	3	1440	3	AVL - Receptacle	10
11	UNKNOWN		500	1/20	C	1/20	1440	3	1440	3	AVL - Receptacle	12
13	UNKNOWN		500	1/20	A	1/20			500		SPARE	14
15	UNKNOWN		500	1/20	B	1/20			500		SPARE	16
17	UNKNOWN		500	1/20	C	1/20			500		SPARE	18
19	UNKNOWN		500	1/20	A	1/20			500		SPARE	20
21	UNKNOWN		500	1/20	B	1/20			500		SPARE	22
23	SPARE		500	1/20	C	1/20			500		SPARE	24
25	SPACE										SPACE	26
27	SPACE										SPACE	28
29	SPACE										SPACE	30

  

LOAD TYPE	CONNECTED KVA	DESIGN AMPS	DESIGN DIV.	DESIGN KVA	DESIGN AMPS
LIGHTING	0.0	0.0	1.25	0.0	0.0
RECEPTACLE	10.3	26.7	0.98	10.2	26.2
MOTORS	0.0	0.0	1.00	0.0	0.0
KITCHEN EQUIP.	0.0	0.0	0.65	0.0	0.0
ELECTRIC HEATING	0.0	0.0	1.00	0.0	0.0
AIR CONDITIONING	0.0	0.0	1.00	0.0	0.0
MISC (NON-CONTINUOUS)	1.5	4.2	1.00	1.5	4.2
MISC (CONTINUOUS)	0.0	0.0	1.25	0.0	0.0
TOTAL	11.8	32.8	11.7	32.4	

  

EXISTING Panel 'SL2'												
BINNERRI CHURCH, RICHARDSON TX												
VOLTAGE: 120/208 3 PHASE, 4 WIRE+G												
ENCLOSURE: NEMA-1												
MAIN BUS: 150 AMP MCB (fed from 45 KVA xfrm)												
MOUNTING: SURFACE												
MIN. INTERRUPTING CURRENT: Field Verify - 10k												
BUS TYPE: COPPER												
POLE	DESCRIPTION	FEEDER NO.	TOTAL VA	REM.	CIRCUIT BREAKER	P H	CIRCUIT BREAKER	REM.	TOTAL VA	FEEDER NO.	DESCRIPTION	POLE
1	UNKNOWN		800	1/20	A	2/50			600		AUDIO	2
3	SPARE								600		SPARE	4
5	SPARE								600		SPARE	6
7	SPARE								600		ENTER PILOT LIGHT	8
9	MAYBE SPARE								600		MECH LIGHT	10
11	UNKNOWN		800	1/20	C	1/20			600		SPARE	12
13	RECEPTACLE		800	1/20	A	1/20			720		RECEPTACLE AV ROOM	14
15	RECEPTACLE		800	1/20	B	1/20			720		RECEPTACLE AV ROOM	16
17	RECEPTACLE		800	1/20	C	1/20			720		RECEPTACLE AV ROOM	18
19	LIGHT		1200	1/30	A	1/20			600		LIGHT & PLUG	20
21	LIGHT		1200	1/30	B	1/20			600		LIGHT & PLUG	22
23	LIGHT		1200	1/30	C	1/20			600		LIGHT & PLUG	24
25	UNKNOWN		800	1/15	B	1/20			600		LIGHT & PLUG	26
27	UNKNOWN		800	1/15	B	1/20			600		LIGHT & PLUG	28
29	AVL - Lighting Batten	2	1440	1/20	C	1/20	1440	2	1440	2	AVL - Video Projector	30
31	AVL - Lighting Batten	2	1440	1/20	A	1/20	1440	2	1440	2	AVL - Video Projector	32
33	AVL - Lighting Batten	2	1440	1/20	B	1/20	1440	2	1440	2	AVL - Video Projector	34
35	AVL - Lighting Batten	2	1440	1/20	C	1/20					SPARE	36
37	PANEL SL1		3940	3/50	A	--					SPACE	38
39	--		3940	--	B	--					SPACE	40
41	--		3940	--	C	--					SPACE	42

  

LOAD TYPE	CONNECTED KVA	DESIGN AMPS	DESIGN DIV.	DESIGN KVA	DESIGN AMPS
LIGHTING	12.6	35.0	1.25	15.7	43.8
RECEPTACLE	10.7	28.8	0.97	10.4	28.1
MOTORS	0.0	0.0	1.00	0.0	0.0
KITCHEN EQUIP.	0.0	0.0	0.65	0.0	0.0
ELECTRIC HEATING	1.6	4.4	1.00	1.6	4.4
AIR CONDITIONING	0.0	0.0	1.00	0.0	0.0
MISC (NON-CONTINUOUS)	12.6	35.1	1.00	12.6	35.1
MISC (CONTINUOUS)	0.0	0.0	1.25	0.0	0.0
TOTAL	37.5	104.4	40.3	112.1	

EXISTING Panel 'EL1A'												
BINNERRI CHURCH, RICHARDSON TX												
VOLTAGE: 120/208 3 PHASE, 4 WIRE+G												
ENCLOSURE: NEMA-1												
MAIN BUS: 150 AMP MCB												
MOUNTING: SURFACE												
MIN. INTERRUPTING CURRENT: Field Verify - 10k												
BUS TYPE: COPPER												
POLE	DESCRIPTION	FEEDER NO.	TOTAL VA	REM.	CIRCUIT BREAKER	P H	CIRCUIT BREAKER	REM.	TOTAL VA	FEEDER NO.	DESCRIPTION	POLE
1	Lights - Class		1200	1/20	A	1/20			1260		Receptacles - Office Parking?	2
3	Lights - Class		1200	1/20	B	1/20			1260		Receptacles	4
5	Lights - Class		1200	1/20	C	1/20			500		Receptacle - Fire Alarm Dialer	6
7	Receptacles - Security		500	1/20	A	1/20			1260		Receptacles	8
9	Receptacles - Tele Rm		500	1/20	B	1/20			1260		Receptacles	10
11	Receptacles - Copy Machine		1200	1/20	C	1/20			1200		SCTH Lines	12
13	Receptacles		1260	1/20	A	1/20			1200		SCTH Lines	14
15	Receptacles		1260	1/20	B	1/20			1260		Receptacles	16
17	Receptacles		1260	1/20	C	1/20			1260		Receptacles	18
19	EF-5		800	1/20	A	1/20			1260		Receptacles	20
21	EF-4		800	1/20	B	1/20			1260		Receptacles - Underfloor	22
23	EF-3		800	1/20	C	1/20			1200		Light - Education Center	24
25	Water Heater		1664	2/20	A	1/20	540		4200		Receptacles - Mother's Rm	26
27	Water Heater		1664	2/20	B	1/20			4200		EWV	28
29	Water Heater		1664	2/20	C	1/20			4200		Outlets - Equip Rm	30
31	Irrigation Controller		1664	--	A	1/20			800		Heat Trace (?)	32
33	Irrigation Controller		500	1/20	B	1/20			1200		Carrier Con. (?)	34
35	Receptacles - Copy Machine		1200	1/20	C	1/20	360		1200		Receptacles - Workrm Counter	36
37	unknown load		2000	1/20	A	1/20			1200		unknown load	38
39	unknown load		2000	1/20	B	1/20	360		3000		Receptacles - Workroom	40
41	AVL Control Booth (verify)	2	1800	1/20	C	1/20	540		3000		Receptacles - English Ministry	42

  

LOAD TYPE	CONNECTED KVA	DESIGN AMPS	DESIGN DIV.	DESIGN KVA	DESIGN AMPS
LIGHTING	7.2	20.1	1.25	9.0	25.1
RECEPTACLE	20.3	56.4	0.75	15.1	42.1
MOTORS	3.6	10.0	1.00	3.6	10.0
KITCHEN EQUIP.	0.0	0.0	0.65	0.0	0.0
ELECTRIC HEATING	7.5	20.7	1.00	7.5	20.7
AIR CONDITIONING	0.0	0.0	1.00	0.0	0.0
MISC (NON-CONTINUOUS)	8.7	24.2	1.00	8.7	24.2
MISC (CONTINUOUS)	0.0	0.0	1.25	0.0	0.0
TOTAL	47.2	131.4	43.9	122.1	

EXISTING Panel 'EL2A'												
BINNERRI CHURCH, RICHARDSON TX												
VOLTAGE: 120/208 3 PHASE, 4 WIRE+G												
ENCLOSURE: NEMA-1												
MAIN BUS: 100 AMP (fed from 30 KVA xfrm)												
MOUNTING: SURFACE												
MIN. INTERRUPTING CURRENT: Field Verify - 10k												
BUS TYPE: COPPER												
POLE	DESCRIPTION	FEEDER NO.	TOTAL VA	REM.	CIRCUIT BREAKER	P H	CIRCUIT BREAKER	REM.	TOTAL VA	FEEDER NO.	DESCRIPTION	POLE
1	Lights - Lobby		750	1/20	A	1/20			1260		Receptacles	2
3	EM Spot Light		2000	1/30	B	1/20	900		1260		Receptacles - Assoc Pastor	4
5	SPARE								1260		Receptacles - Pastor's Office	6
7	Receptacles		1260	1/20	A	1/20	1080		1080		Receptacles	8
9	Receptacles		720	B	1/20	B	1/20		1080		Receptacles	10
11	Receptacles		720	1/20	C	1/20	1080		1080		Receptacles	12
13	Receptacles		900	1/20	A	1/20	300		300		Receptacles	14
15	Receptacles		900	1/20	B	1/20	300		300		Exhaust Fan	16
17	Unknown Load		1000	1/20	C	1/20	1000		1000		Lights - Education Center	18
19	Unknown Load		1000	1/20	A	1/20	1000		1000		Lights - Education Center	20
21	Unknown Load		1000	1/20	B	1/20	1000		1000		SPARE	22
23	Unknown Load		1000	1/20	C	1/20	720		1200		Recepts - Office System	24
25	Unknown Load		1000	1/20	A	1/20	720		1200		Recepts - Office System	26
27	Unknown Load		1000	1/20	B	1/20	1200		1200		Recept - Breakroom	28
29	Unknown Load		1000	1/20	C	1/20	1360		1360		Recepts & Refrigerator	30
31	Unknown Load		1000	1/20	A	3/100			1440		PANEL MAIN BREAKER (FIELD VERIFY)	32
33	Receptacles - Stage		360	1/20	B	--					SPACE	34
35	Bem - AVL Lighting		1440	1/20	C	--					SPACE	36
37	Bem - AVL Speakers		500	1/20	A	--					SPACE	38
39	Bem - AVL TV's		500	1/20	B	--					SPACE	40
41	Bem - AVL Control Booth (verify)	2	1800	1/20	C	--					SPACE	42

  

LOAD TYPE	CONNECTED KVA	DESIGN AMPS	DESIGN DIV.	DESIGN KVA	DESIGN AMPS
LIGHTING	7.2	20.1	1.25	9.0	25.1
RECEPTACLE	21.5	59.8	0.73	15.8	43.8
MOTORS	0.0	0.0	1.00	0.0	0.0
KITCHEN EQUIP.	0.0	0.0	0.65	0.0	0.0
ELECTRIC HEATING	0.0	0.0	1.00	0.0	0.0
AIR CONDITIONING	0.0	0.0	1.00	0.0	0.0
MISC (NON-CONTINUOUS)	3.8	10.6	1.00	3.8	10.6
MISC (CONTINUOUS)	0.0	0.0	1.25	0.0	0.0
TOTAL	33.1	92.1	29.1	81.1	