

PANEL SCHEDULE														
PANEL:				VOLTAGE:				ENCLOSURE:						
MDF MECHANICAL, ELECTRICAL & PLUMBING ROOM 114 FIRST LEVEL				208/120V, 1400A, 80' 4" X 4" X 4" M/LD SURFACE MOUNTED 'N' EQUIPMENT GND BAR 80' D TYPE GED SWITCHBOARD										
FEEDER SOURCE: SERVICE														
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION	BREAKER AMP	POLE	LOAD (VA)	AD	BP	GG	LOAD (VA)	BREAKER POLE	AMP	LOAD DESCRIPTION	THHN WIRE SIZE	CKT NO
1	2 X 2000KVA	ELECTRICAL CIRCUIT PANEL #11 FIRST LEVEL	400	3	52,434				18,744			ELECTRICAL CIRCUIT PANEL #12 FIRST LEVEL	4/0	4
3					54,881				13,691	175	3		4/0	4
5					50,881				14,025					6
7					4810				21,400					8
4	4/0	ELECTRICAL CIRCUIT PANEL #13 FIRST LEVEL	175	3	4216				21,400	175	3	ELECTRICAL CIRCUIT PANEL #14 FIRST LEVEL	4/0	10
11					7862				21,400					12
13					21,400				46,316					14
15	4/0	ELECTRICAL CIRCUIT PANEL #15 FIRST LEVEL	175	3	21,400				45,362		400	SECOND LEVEL ELECTRICAL CIRCUIT PANEL #21		16
17					21,400				91,155					18
14					97,550				97,550			THIRD LEVEL ELECTRICAL CIRCUIT PANEL #31		20
21					48,362				48,362		400			22
23					48,155				48,155					24
SOLID NEUTRAL NEUTRAL WIRE (N)				TOTAL CONNECTED LOAD (VA) = 941,471				GROUND BUS GROUND WIRE (G)						
				AD = 316,121				BP = 314,300				GG = 310,978		

PANEL SCHEDULE														
PANEL:				VOLTAGE:				ENCLOSURE:						
MDF MECHANICAL, ELECTRICAL & PLUMBING ROOM 114 FIRST LEVEL				208/120V, 400A 80' 4" X 4" X 4" M/LD SURFACE MOUNTED 'N' EQUIPMENT GND BAR 80' D TYPE GED SWITCHBOARD										
FEEDER SOURCE: MDP PANEL														
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION	BREAKER AMP	POLE	LOAD (VA)	AD	BP	GG	LOAD (VA)	BREAKER POLE	AMP	LOAD DESCRIPTION	THHN WIRE SIZE	CKT NO
1					7500				7500		40	15 TON HVAC UNIT, 1ST LEVEL, 22.5 KW HEAT	#3	4
3	#6				7500				7500		40		#3	4
5					7500				7500					6
7					1200				3333					8
4	#12	2 1/2 TON A/C CONDENSER UNIT THIS END	15	3	1200				3333	3	60	2 1/2 TON HVAC UNIT, 1ST LEVEL, 10 KW HEAT	#6	10
11					1200				3333					12
13					1200				4850					14
15	#12	2 1/2 TON A/C CONDENSER UNIT THIS END	15	3	1200				4850	3	50	ELEVATOR MOTOR POWER DISCONNECT	#6	16
17					1200				4850					18
14					1200				3333					20
21	#12	2 1/2 TON A/C CONDENSER UNIT CENTER, LOUNGE	15	3	1200				3333	3	60	2 1/2 TON HVAC UNIT, 1ST LEVEL, LOUNGE 10 KW HEAT	#6	22
23					1200				3333					24
25					1200				3333					26
27	#12	2 1/2 TON A/C CONDENSER UNIT CENTER, CONFERENCE ROOM	15	3	1200				3333	3	60	2 1/2 TON HVAC UNIT, 1ST LEVEL, CONFERENCE ROOM 10 KW HEAT	#6	28
24					1200				3333					30
31					1200				411					32
33	#12	2 1/2 TON A/C CONDENSER UNIT OPPOSITE END, FOR 1ST LEVEL	15	3	1200				411	3	15	HOUSE DRYER	#12	34
35					1200				411					36
37					1200				411					38
34	#12	2 1/2 TON A/C CONDENSER UNIT OPPOSITE END, FOR 2ND LEVEL	15	3	1200				411	3	15	HOUSE DRYER	#12	40
41					1200				411					42
43					1200				1400		15	HOUSE WASHER	#12	44
45	#12	2 1/2 TON A/C CONDENSER UNIT OPPOSITE END FOR 3RD LEVEL	15	3	1200				1400		15	HOUSE WASHER	#12	46
47					1200				1400		15			48
44					1400				1400		15			50
51					3042				3042	1	40	SEWER TREATMENT PLANT	#6	52
53					3042				3042					54
55					4000				4000	1	30	PARKING LOT LIGHTING	#10	56
57					4000				4000					58
54														60
61														62
63														64
SOLID NEUTRAL NEUTRAL WIRE (N)				TOTAL CONNECTED LOAD (VA) = 158,201				GROUND BUS GROUND WIRE (G)						
				AD = 52,434				BP = 54,881				GG = 50,881		

PANEL SCHEDULE														
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MDF MECHANICAL, ELECTRICAL & PLUMBING ROOM 114 FIRST LEVEL				208/120V, 200A, 80' 4" X 4" X 4" M/LD SURFACE MOUNTED 'N' EQUIPMENT GND BAR 80' D TYPE GO LOAD CENTER										
FEEDER SOURCE: MDP PANEL														
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION	BREAKER AMP	POLE	LOAD (VA)	AD	BP	GG	LOAD (VA)	BREAKER POLE	AMP	LOAD DESCRIPTION	THHN WIRE SIZE	CKT NO
1	#12	RECEPTACLES AT THE REGISTRATION DESK	20	1	360				1000	1	20	RECEPTACLES, VESTIBULE AND WORK ROOM	#12	2
3	#12	RECEPTACLES AT THE REGISTRATION DESK	20	1	360				1500	1	20	DEDICATED RECEPTACLE, COMMUNITY ROOM	#12	4
5	#12	RECEPTACLES RECEPTION ROOM, STORE AND CORRIDOR	20	1	720				1080	1	20	RECEPTACLES RIGHT SIDE OF COMMUNITY ROOM	#12	6
7	#12	RECEPTACLES MANAGER'S OFFICE AND STORE	20	1	1080				400	1	20	RECEPTACLES LEFT SIDE OF COMMUNITY ROOM	#12	8
4	#12	RECEPTACLES LINEN, LAUNDRY AND BREAK ROOM	20	1	720				360	1	20	RECEPTACLES AT SINK IN PANTRY ROOM	#12	10
11					360				360	1	20	RECEPTACLE, DRY COUNTER IN PANTRY ROOM	#12	12
13	#12	DEDICATED RECEPTACLE, WORK ROOM	20	1	720				1500	1	20	DEDICATED RECEPTACLE, PANTRY ROOM	#12	14
15	#12	EXHAUST FAN IN SHOWER	20	1	500				1500	1	20	DEDICATED RECEPTACLE, PANTRY ROOM	#12	16
17	#12	GAS WATER HEATER (IGNITER FOR WATER HEATER #1)	20	1	500				1500	1	20	DRINKING FOUNTAIN IN CORRIDOR	#12	18
14	#12	GAS WATER HEATER (IGNITER FOR WATER HEATER #2)	20	1	500				1800	1	20	ELEVATOR CONTROLS POWER	#12	20
21	#12	RECEPTACLES THIS ROOM WATER HEATER ROOM AND A/C EQUIP.	20	1	500				1500	1	20	DEDICATED 60' RECEPTACLE IN ELEVATOR EQUIPMENT ROOM	#12	22
23	#12	LIGHTING THIS ROOM, WATER HEATER ROOM, THIS END OF HALLWAY	20	1	484				1500	1	20	RECEPTACLE IN ELEVATOR PIT	#12	24
25	#12	LIGHTING, LINEN, LAUNDRY ROOM AND BREAK ROOM	20	1	847				2500					26
27	#12	LIGHTING, ELEVATOR EQUIPMENT ROOM, FIT, AND ELEVATOR LOBBY	20	1	847				2500	2	30	GUEST DRYER	#10	28
24	#12	LIGHTING, GUEST LAUNDRY, MECHANICAL ROOM, MANAGER'S SUITE, STORE	20	1	847				2500					30
31	#12	LIGHTING, REAR PORCH	20	1	736				2500	2	30	GUEST DRYER	#10	32
33	#12	LIGHTING, COMMUNITY ROOM, PANTRY, PORCH CHAIRS	20	1	412				1500	1	20	GUEST WASHER	#12	34
35	#12	LIGHTING, COVERED PORCH AND ENTRY	20	1	1814				1500	1	20	GUEST WASHER	#12	36
37	#12	LIGHTING, LOBBY, WORKROOM, VESTIBULE AND RECEPTION AREA	20	1	781				1500	1	20	GUEST WASHER	#12	38
34	#12	SIGN LIGHTING	20	1	1000					1	20	SPARE		40
41		SPARE	20	1						1	20	SPARE		42
SOLID NEUTRAL NEUTRAL WIRE (N)				TOTAL CONNECTED LOAD (VA) = 44,488				GROUND BUS GROUND WIRE (G)						
				AD = 16,744				BP = 13,691				GG = 14,025		

PANEL SCHEDULE														
PANEL:				VOLTAGE:				ENCLOSURE:						
MDF MECHANICAL, ELECTRICAL & PLUMBING ROOM 114 FIRST LEVEL				208/120V, 200A, 80' 4" X 4" X 4" M/LD SURFACE MOUNTED 'N' EQUIPMENT GND BAR 80' D TYPE GO LOAD CENTER										
FEEDER SOURCE: MDP PANEL														
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION	BREAKER AMP	POLE	LOAD (VA)	AD	BP	GG	LOAD (VA)	BREAKER POLE	AMP	LOAD DESCRIPTION	THHN WIRE SIZE	CKT NO
1	#12	WOMEN'S ROOM AND MEN'S ROOM	20	1	1000				200	1	20	RECEPTACLE, GAMING ROOM	#12	2
3	#12	PORCH CHAIRS, A/C EQUIP.	20	1	1000				200	1	20	RECEPTACLE, GAMING ROOM	#12	4
5	#12	RECEPTACLES, CONFERENCE ROOM 140	20	1	540				200	1	20	RECEPTACLE, GAMING ROOM	#12	6
7	#12	RECEPTACLES, CONFERENCE ROOM 141	20	1	540				1080	1	20	RECEPTACLES, LOUNGE, LOBBY, OUTSIDE	#12	8
4	#12	RECEPTACLES, MUD ROOM AND HALLWAY	20	1	540				1800	1	20	DEDICATED RECEPTACLE, AT BAR IN LOUNGE	#12	10
11	#12	RECEPTACLES, EXERCISE ROOM AND OUTSIDE	20	1	920				1500	1	20	DEDICATED RECEPTACLE, AT BAR IN LOUNGE	#12	12
13	#12	DEDICATED RECEPTACLE, EXERCISE ROOM	20	1	1500				1500	1	20	RECEPTACLES, AT BAR IN LOUNGE	#12	14
15	#12	DEDICATED RECEPTACLE, EXERCISE ROOM	20	1	1500				1500	1	20	DEDICATED RECEPTACLE, AT BAR IN LOUNGE	#12	16
17	#12	DEDICATED RECEPTACLE NEAR STAIRS, OPPOSITE END OF BUILDING	20	1	1500				1500	1	20	DEDICATED RECEPTACLE, AT BAR IN LOUNGE	#12	18
14	#12	DEDICATED RECEPTACLE NEAR STAIRS, OPPOSITE END OF BUILDING	20	1	1500				1500	1	20	DEDICATED RECEPTACLE, AT BAR IN LOUNGE	#12	20
21	#12	LIGHTING, MEN'S ROOM, WOMEN'S ROOM, CENTER OF HALLWAY	20	1	640				1500	1	20	DEDICATED RECEPTACLE, AT BAR IN LOUNGE	#12	22
23	#12	LIGHTING, LOUNGE AND GAMING	20	1	640				581	1	20	LIGHTING, EXERCISE ROOM	#12	24
25	#12	LIGHTING, CONFERENCE ROOM	20	1	980							SPARE		26
27	#12	LIGHTING, OPPOSITE END OF HALL AND STORAGE ROOM	20	1	846					1	20	SPARE		28
24	#12	LIGHTING, MUD ROOM	20	1	581					1	20	SPARE		30
31		SPARE	20	1						1	20	SPARE		32
33		SPARE	20	1						1	20	SPARE		34
35		SPARE	20	1						1	20	SPARE		36
37		SPARE	20	1						1	20	SPARE		38
34														