PANEL SCHEDULE

PANEL: MDP
LOCATION: MECHANICAL, ELECTRICAL & PLUMBING ROOM 114 FIRST LEVEL
FEEDER SOURCE: SERVICE
VOLTAGE: 208/120V, 1600A, 3Ø, 4W W/MLO
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QED SWITCHBOARD

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	AØ BØ CØ	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	2 X 250MCM	ELECTRICAL CIRCUIT PANEL P11 FIRST LEVEL	400	3	52,439		16,744	3	175	ELECTRICAL CIRCUIT PANEL P12 FIRST LEVEL	4/0	2
3					54,881		13,699					4
5					50,881		14,025					6
7	4/0	ELECTRICAL CIRCUIT PANEL P13 FIRST LEVEL	175	3	9810		18070	3	175	ELECTRICAL CIRCUIT PANEL P14 FIRST LEVEL	4/0	8
9					9276		18,930					10
11					7962		19,000					12
13	4/0	ELECTRICAL CIRCUIT PANEL P15 FIRST LEVEL	175	3	18,070		98,908	3	400	SECOND LEVEL ELECTRICAL CIRCUIT PANEL P21	2 X 250MCM	14
15					18,930		102,912					16
17					19,000		99,575					18
19	4/0	ELECTRICAL CIRCUIT PANEL P16 FIRST LEVEL	175	3	7,800		100,480	3	400	THIRD LEVEL ELECTRICAL CIRCUIT PANEL P31	2 X 250MCM	20
21					6,870		105,912					22
23					7,730		100,575					24

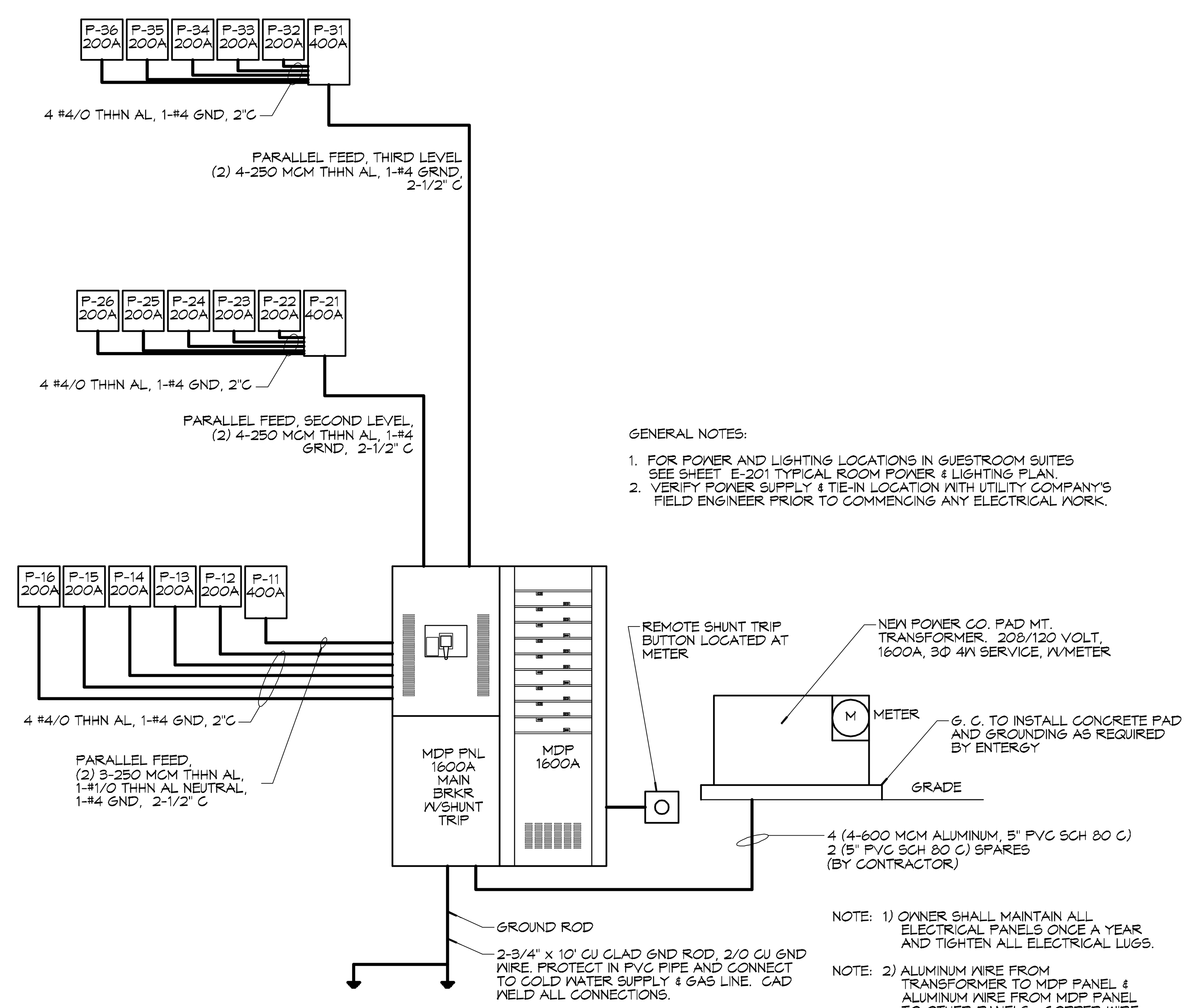
SOLID NEUTRAL NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA) = 972,479
AØ = 322,321 BØ = 331,410 CØ = 318,748
GROUND BUS GROUND WIRE (G)

PANEL SCHEDULE

PANEL: P11
LOCATION: MECHANICAL, ELECTRICAL, & PLUMBING ROOM 114 FIRST LEVEL
FEEDER SOURCE: MDP PANEL
VOLTAGE: 208/120V, 400A 3Ø, 4W W/MB PANEL
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QED SWITCHBOARD

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	AØ BØ CØ	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	#8	15 TON A/C CONDENSER UNIT 1ST LEVEL	80	3	7956		7500	3	90	15 TON HVAC UNIT, 1ST LEVEL, 22.5 KW HEAT	#3	2
3					7956		7500					4
5					7956		7500					6
7	#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	8
9					1200		3333					10
11					1200		3333					12
13	#12	2 1/2 TON A/C CONDENSER UNIT THIS END	15	3	1200		9950	3	50	ELEVATOR MOTOR POWER DISCONNECT	#8	14
15					1200		9950					16
17					1200		9950					18
19	#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	20
21					1200		3333					22
23					1200		3333					24
25	#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	26
27					1200		3333					28
29					1200		3333					30
31	#12	2 1/2 TON A/C CONDENSER UNIT OPPOSITE END, FOR 1ST LEVEL	15	3	1200		917	3	15	HOUSE DRYER	#12	32
33					1200		917					34
35					1200		917					36
37	#12	2 1/2 TON A/C CONDENSER UNIT OPPOSITE END, FOR 2ND LEVEL,	15	3	1200		917	3	15	HOUSE DRYER	#12	38
39					1200		917					40
41					1200		917					42
43	#12	2 1/2 TON A/C CONDENSER UNIT OPPOSITE END FOR 3RD LEVEL,	15	3	1200		1400	2	15	HOUSE WASHER	#12	44
45					1200		1400					46
47					1200		1400	2	15	HOUSE WASHER	#12	48
49							1400					50
51							3842	1	40	SEWER TREATMENT PLANT	#8	52
53							3842					54
55							4000	1	30	PARKING LOT LIGHTING	#10	56
57							4000					58
59												60
61												62
63												64

SOLID NEUTRAL NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA) = 158,201
AØ = 52,439 BØ = 54,881 CØ = 50,881
GROUND BUS GROUND WIRE (G)



GENERAL NOTES:

1. FOR POWER AND LIGHTING LOCATIONS IN GUESTROOM SUITES SEE SHEET E-201 TYPICAL ROOM POWER & LIGHTING PLAN.
2. VERIFY POWER SUPPLY & TIE-IN LOCATION WITH UTILITY COMPANY'S FIELD ENGINEER PRIOR TO COMMENCING ANY ELECTRICAL WORK.

NOTE: 1) OWNER SHALL MAINTAIN ALL ELECTRICAL PANELS ONCE A YEAR AND TIGHTEN ALL ELECTRICAL LUGS.

NOTE: 2) ALUMINUM WIRE FROM TRANSFORMER TO MDP PANEL & ALUMINUM WIRE FROM MDP PANEL TO OTHER PANELS. COPPER WIRE FROM OTHER PANELS TO ALL RECEPTACLES AND SWITCHES.

ELECTRICAL ONE-LINE DIAGRAM

SCALE: N.T.S.

ELECTRICAL LOAD SUMMARY

ENTERGY POWER COMPANY

PROJECT NAME: SPORTMAN'S LODGE - HACKBERRY, LOUISIANA
PROJECT ADDRESS: LOT #7 HIGHWAY 27
CITY/TOWN: HACKBERRY, LA 70645
INTENDED USER: HOTEL OCCUPANTS

REQ SERV: 208 V 3 PHASE 4 WIRES
SERV ENTR SIZE: 1600 AMPS
HVAC TONNAGE: ____ TONS
LARGEST MOTOR: ____ HP

(NOTE: MOTORS ABOVE 20HP MAY REQUIRE REDUCED VOLTAGE STARTING AND ARE NEVER RECOMMENDED FOR USE W/ 120/240V, 1Ø, 3W SERVICE)

TOTAL BUILDING SQ FT: ____ SF
INDIVIDUAL UNIT SQUARE FOOTAGE: ____ SF (MULT OCCUPANCY)
INDIVIDUAL UNIT DESIGNATION: ____ (MULT OCCUPANCY)

LOAD SOURCE	1Ø-KVA	3Ø-KVA	OR	1Ø-KW	3Ø-KW
BUILDING LIGHTING					
ELECTRIC WATER HEATING					
HEAT PUMPS					
SUPPLEMENTAL HEAT SYSTEMS					
AIR COND CONDENSING UNITS					
ELEC HEATING (PRIMARY) - AHU's					
COOKING					
REFRIGERATION					
RECEPTACLES (STANDARD)					
RECEPTACLES (COMPUTER)					
TOTAL MOTORS (EXCLUDE HVAC)					
EXTERIOR LIGHTING					
MISCELLANEOUS - CEILING FANS					
OTHER (SPECIFY)					

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI

Chief Engineer: Brian Mistich, PE
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Slidell, LA 70458
www.dammonengineering.com
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PH: 985.649.5832 F: 985.641.5950

REVISIONS		
#	DESCRIPTION	DATE

SEAL: STATE OF LOUISIANA BRIAN A. MISTICH License No. 30187 05-27-16 PROFESSIONAL ENGINEER

MAIN STAY SUITES
700 MAIN STREET
LOT #7 LA HWY 27
HACKBERRY, LA 70645

JOB No:	2265	DATE:	APRIL, 2016
DRAWN BY:	DD/JTL	CHECKED BY:	BAM

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SHEET TITLE:
ELECTRICAL PANEL SCHEDULES, ONE-LINE DIAGRAM & LOAD SUMMARY

DRAWING NUMBER:
E105