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)		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	A	16,744	3	175	ELECTRICAL CIRCUIT PANEL P12 FIRST LEVEL	4/0	2
3					54,881	B	13,699					4
5					50,881	C	14,025					6
7	4/0	ELECTRICAL CIRCUIT PANEL P13 FIRST LEVEL	175	3	4810	A	18070	3	175	ELECTRICAL CIRCUIT PANEL P14 FIRST LEVEL	4/0	8
9					9276	B	18,930					10
11					7962	C	19,000					12
13	4/0	ELECTRICAL CIRCUIT PANEL P15 FIRST LEVEL	175	3	18,070	A	98,908	3	400	SECOND LEVEL ELECTRICAL CIRCUIT PANEL P21	2 X 250MCM	14
15					18,930	B	102,912					16
17					19,000	C	99,575					18
19	4/0	ELECTRICAL CIRCUIT PANEL P16 FIRST LEVEL	175	3	7,800	A	100,480	3	400	THIRD LEVEL ELECTRICAL CIRCUIT PANEL P31	2 X 250MCM	20
21					6,870	B	105,412					22
23					7,730	C	100,575					24

SOLID NEUTRAL
NEUTRAL WIRE (N)

TOTAL CONNECTED LOAD (VA) = 412,479

A0 = 322,321	B0 = 331,410	C0 = 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

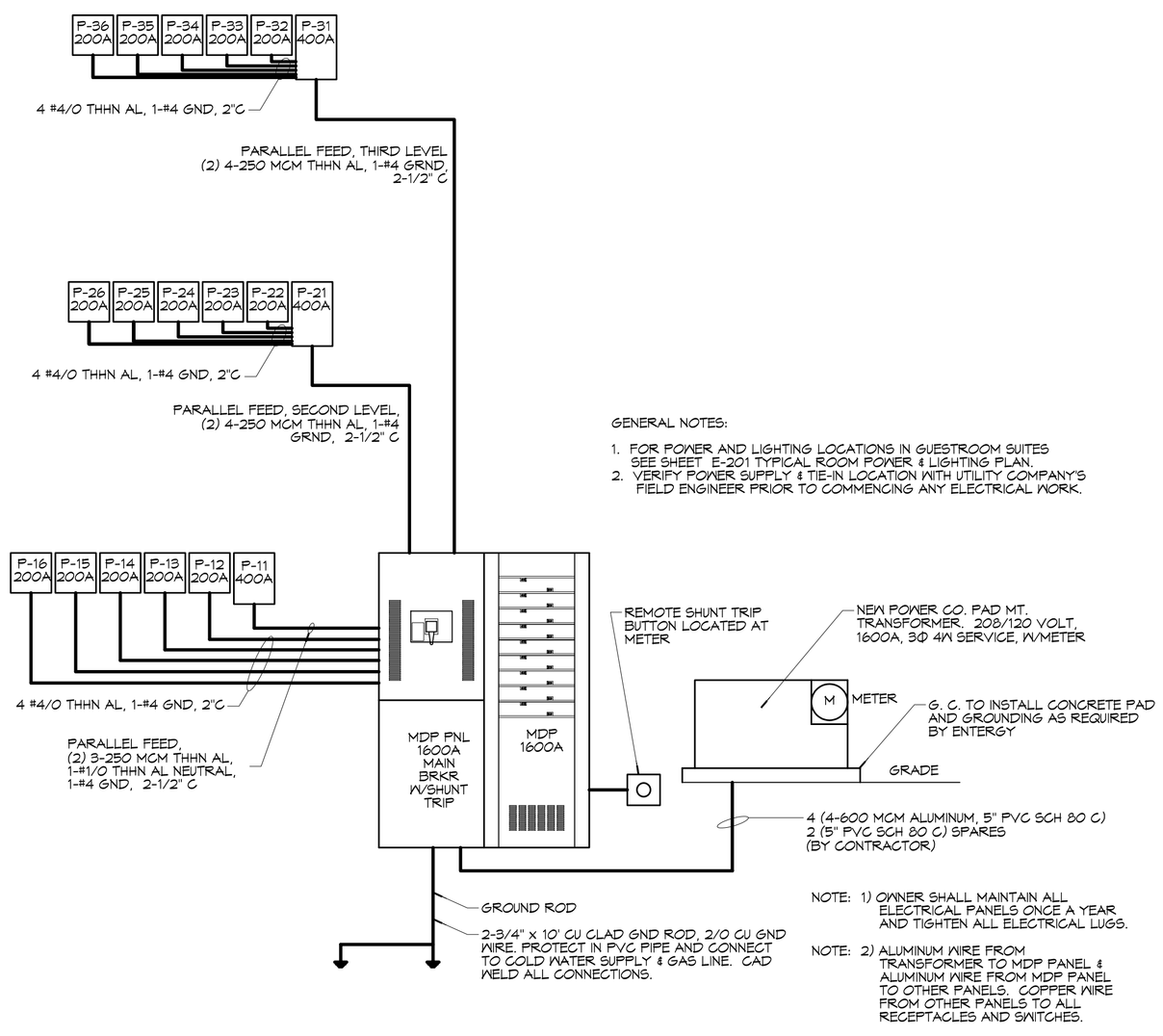
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION / LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)		LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	THHN WIRE SIZE	CKT NO
1	#8	15 TON A/C CONDENSER UNIT 1ST LEVEL	50	3	7456	A	7500	3	90	15 TON HVAC UNIT, 1ST LEVEL, 225 KW HEAT	#3	2
3					7456	B	7500					4
5					7456	C	7500					6
7	#12	2 1/2 TON A/C CONDENSER UNIT THIS END	15	3	1200	A	3333	3	60	2 1/2 TON HVAC UNIT, 1ST LEVEL 10 KW HEAT	#6	8
9					1200	B	3333					10
11					1200	C	3333					12
13	#12	2 1/2 TON A/C CONDENSER UNIT THIS END	15	3	1200	A	4950	3	50	ELEVATOR MOTOR POWER DISCONNECT	#6	14
15					1200	B	4950					16
17					1200	C	4950					18
19	#12	2 1/2 TON A/C CONDENSER UNIT CENTER, LOUNGE	15	3	1200	A	3333	3	60	2 1/2 TON HVAC UNIT, 1ST LEVEL LOUNGE 10 KW HEAT	#6	20
21					1200	B	3333					22
23					1200	C	3333					24
25	#12	2 1/2 TON A/C CONDENSER UNIT CENTER, CONFERENCE ROOM	15	3	1200	A	3333	3	60	2 1/2 TON HVAC UNIT, 1ST LEVEL CONFERENCE ROOM 10 KW HEAT	#6	26
27					1200	B	3333					28
29					1200	C	3333					30
31	#12	2 1/2 TON A/C CONDENSER UNIT OPPOSITE END, FOR 1ST LEVEL	15	3	1200	A	417	3	15	HOUSE DRYER	#12	32
33					1200	B	417					34
35					1200	C	417					36
37	#12	2 1/2 TON A/C CONDENSER UNIT OPPOSITE END, FOR 2ND LEVEL,	15	3	1200	A	417	3	15	HOUSE DRYER	#12	38
39					1200	B	417					40
41					1200	C	417					42
43	#12	2 1/2 TON A/C CONDENSER UNIT OPPOSITE END FOR 3RD LEVEL,	15	3	1200	A	1400	2	15	HOUSE WASHER	#12	44
45					1200	B	1400					46
47					1200	C	1400	2	15	HOUSE WASHER	#12	48
49						A	1400					50
51						B	3842	1	40	SEWER TREATMENT PLANT	#8	52
53						C	3842					54
55						A	4000	1	30	PARKING LOT LIGHTING	#10	56
57						B	4000					58
59						C						60
61						A						62
63						B						64

SOLID NEUTRAL
NEUTRAL WIRE (N)

TOTAL CONNECTED LOAD (VA) = 158,201

A0 = 52,439	B0 = 54,881	C0 = 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)					

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Chief Engineer: Brian Mistich, PE
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Slidell, LA 70458

REVISIONS

#	DESCRIPTION	DATE

SEAL:

STATE OF LOUISIANA
BRIAN A. MISTICH
License No. 30187
02-19-16
PROFESSIONAL ENGINEER

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

JOB No: 2265
DATE: FEBRUARY, 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

SHEET No: 49 of 52