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	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

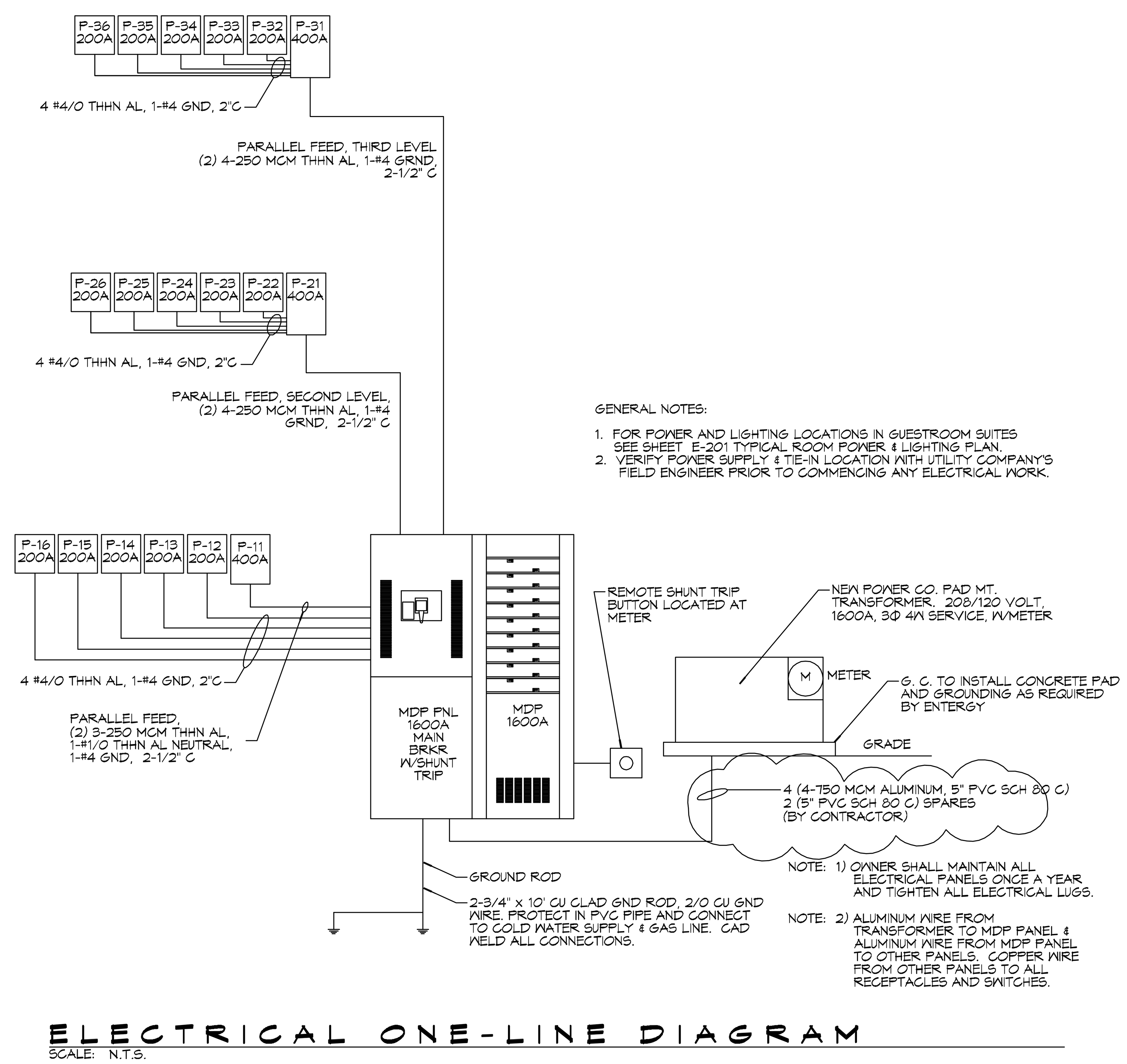
SOLID NEUTRAL NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (VA) = 972,479 — AΦ = 322,321 BΦ = 331,410 CΦ = 318,748 — GROUND BUS GROUND WIRE (G)

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	80	3	7956	7500	3	40	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	1				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 — AΦ = 52,439 BΦ = 54,881 CΦ = 50,881 — GROUND BUS GROUND WIRE (G)



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.

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.

ELECTRICAL ONE-LINE DIAGRAM

SCALE: N.T.S.

ELECTRICAL LOAD SUMMARY

ENTERGY POWER COMPANY

PROJECT NAME: MAIN STAY - 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: 39504 SF
INDIVIDUAL UNIT SQUARE FOOTAGE: ____ SF (MULT OCCUPANCY)
INDIVIDUAL UNIT DESIGNATION: (MULT OCCUPANCY)

LOAD SOURCE	1Φ-KVA	3Φ-KVA	OR	1Φ-KW	3Φ-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

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REVISIONS

#	DESCRIPTION	DATE
1	ADDED WIRE COUNT	11-07-16

SEAL:

05-27-16

Missing or inval
File: P:\Stamps
Sheet: 1

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