

PANEL SCHEDULE

PANEL: MDP		VOLTAGE: 240/120V, 400A, 1Φ, 3W W/MB											
LOCATION: BLDG. WALL EXTERIOR NEAR GENERATOR		ENCLOSURE: NEMA 3R SURFACE MOUNTED W/ EQUIP. GND BAR SQ D TYPE GO LOAD CENTER											
FEEDER SOURCE: ATS													
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION	BREAKER		LOAD (kva)	AΦ	BΦ	LOAD (kva)	BREAKER		LOAD DESCRIPTION	THHN WIRE SIZE	CKT NO
			AMP	POLE					POLE	AMP			
1	4/0	PP1	200	2	26.9			10.3	2	200	PP2	4/0	2
3					25.9			12.2					4
5		SPARE	20	1	-			-	-	-	SPACE		6
7		SPARE	20	1	-			-	-	-	SPACE		8
9		SPACE	-	-	-			-	-	-	SPACE		10
11		SPACE	-	-	-			-	-	-	SPACE		12
SOLID NEUTRAL NEUTRAL WIRE (N)					TOTAL CONNECTED LOAD (kva) = 75.3				GROUND BUS GROUND WIRE (G)				
					A PHASE = 31.2 kva		B PHASE = 30.1 kva						

PANEL SCHEDULE

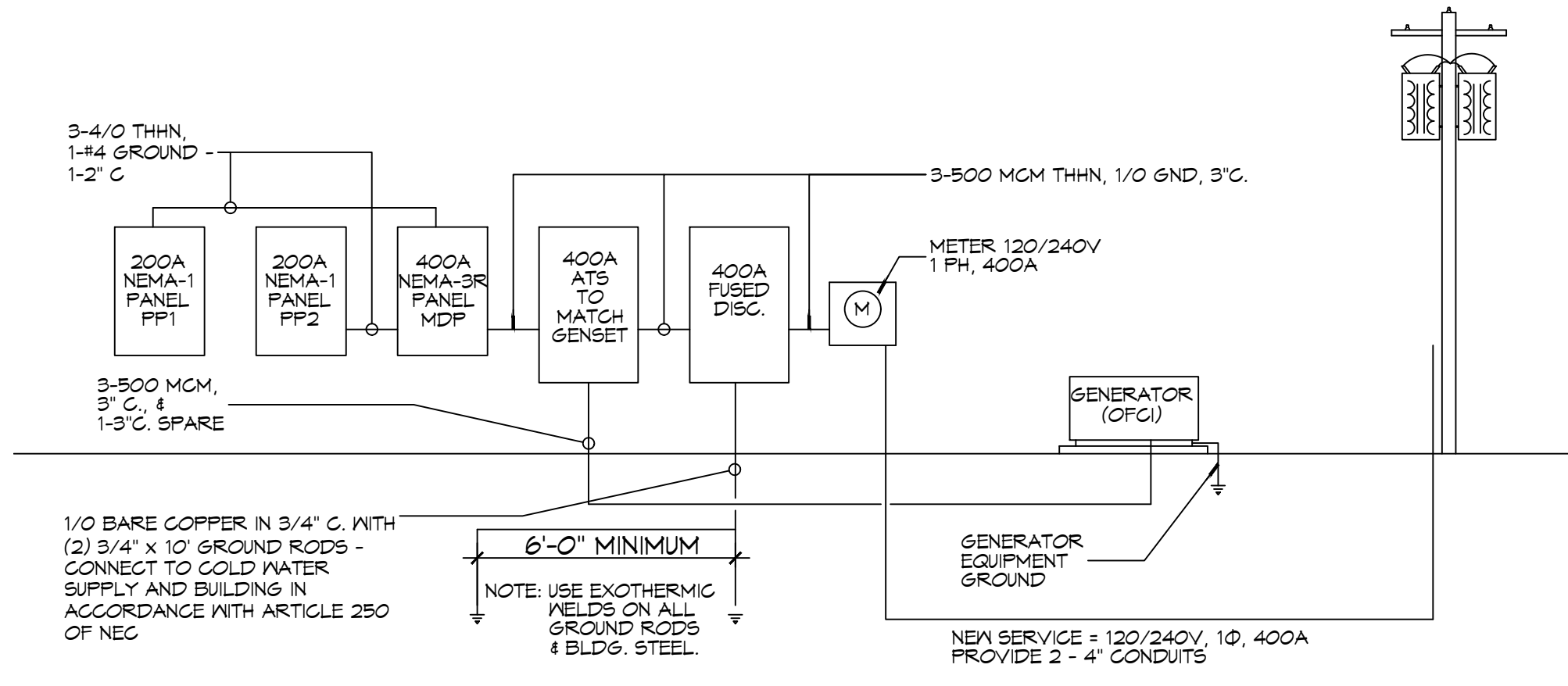
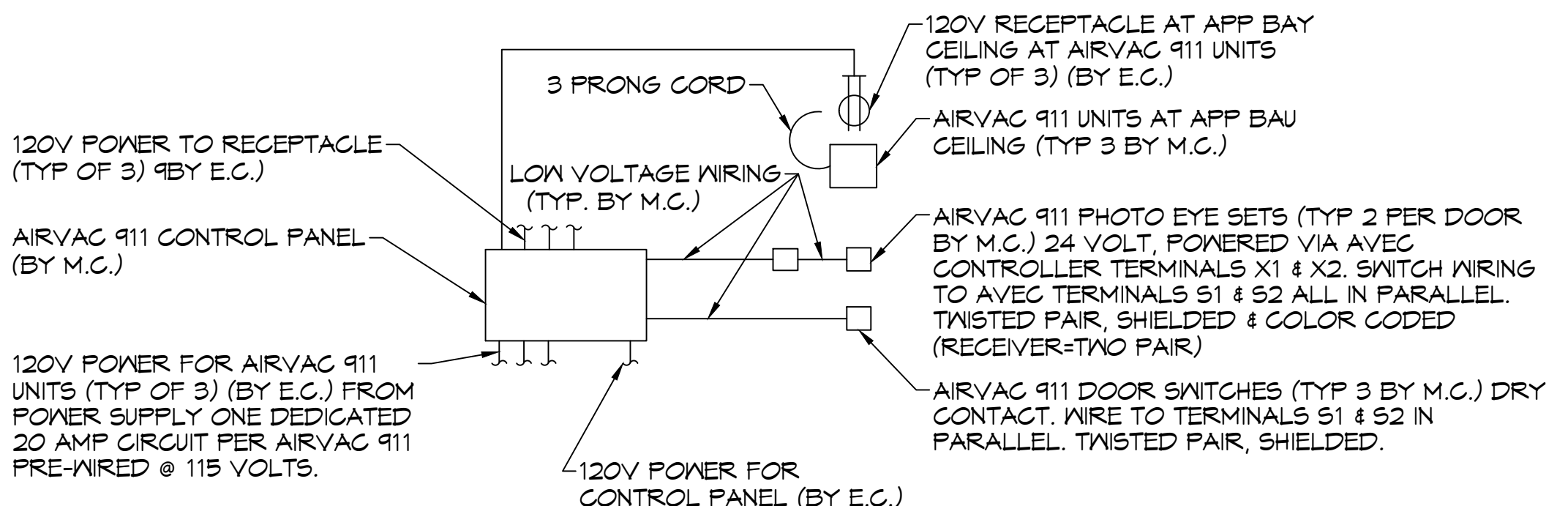
PANEL: PP1		VOLTAGE: 240/120V, 200A, 1Φ, 3W W/MLO											
LOCATION: UTILITY CLOSET		ENCLOSURE: FLUSH MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE GO LOAD CENTER											
FEEDER SOURCE: MDP													
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION	BREAKER		LOAD (kva)	AΦ	BΦ	LOAD (kva)	BREAKER		LOAD DESCRIPTION	THHN WIRE SIZE	CKT NO
			AMP	POLE					POLE	AMP			
1	#12	CREW QTR & PORCH OUTLETS, PORCH LIGHTS	20	1	1.4			1.4	1	20	CREW QTR OUTLETS & LIGHTS	#12	2
3	#12	DEDICATED OUTLETS, COMM	20	1	0.4			0.4	1	20	DEDICATED OUTLETS, COMM	#12	4
5	#12	CAPTAIN QTR OUTLETS & LIGHTS	20	1	1.4			1.4	1	20	CAPTAIN QTR & DAYROOM OUTLETS & PORCH LIGHTS	#12	6
7	#12	DAYROOM OUTLETS & LIGHTS	20	1	1.4			1.1	1	20	DEDICATED, REFRIG	#12	8
9	#12	DEDICATED, REFRIG	20	1	1.1			1.1	1	20	DEDICATED, REFRIG	#12	10
11	#12	KITCHEN OUTLET & LIGHTS	20	1	0.6			1.4	1	20	DISHWASHER & GARBAGE DISPOSAL	#12	12
13	#12	KITCHEN OUTLET & BATH LIGHTS	20	1	0.8			0.3	1	20	KITCHEN OUTLETS	#12	14
15	#12	ULTRA-AIRE XT155H DEHUMIDIFIER	20	1	1.0			1.4	1	20	GAS RANGE	#12	16
17	#12	RANGE HOOD CONTROLS *	15	1	1.1			1.1	1	15	RANGE HOOD LIGHTS *	#12	18
19	#12	ATTIC FAN AND OUTLET	20	1	1.5			1.5	1	20	SEWAGE TREATMENT	#12	20
21	#12	WASHING MACHINE	20	1	.7			-	1	20	SPARE	#12	22
23	#6	AHU, 5TON, 7.5 kw HEAT	45	2	5.3			3.6	2	30	LAUNDRY DRYER	#10	24
25					5.3			3.6					26
27	#10	WATER HEATER	30	2	2.2			4.1	2	60	5 TON CONDENSER	#6	28
29					2.2			4.1					30
SOLID NEUTRAL NEUTRAL WIRE (N)					TOTAL CONNECTED LOAD = 52.8 kva				GROUND BUS GROUND WIRE (G)				
					AΦ = 26.9 kva		BΦ = 25.9 kva						

* NOTE: RANGE HOOD WIRING SHALL BE HIGH TEMPERATURE RATED AND INSTALLED IN EMT OR FLEX CONDUIT PER MANUFACTURERS RECOMMENDATION.
 ** INSTALL BREAKER TO MATCH EQUIPMENT INSTALLED.

PANEL SCHEDULE

PANEL: PP2		VOLTAGE: 240/120V, 200A, 1Φ, 3W W/MLO											
LOCATION: ENGINE BAY		ENCLOSURE: FLUSH MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE GO LOAD CENTER											
FEEDER SOURCE: MDP													
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION	BREAKER		LOAD (kva)	AΦ	BΦ	LOAD (kva)	BREAKER		LOAD DESCRIPTION	THHN WIRE SIZE	CKT NO
			AMP	POLE					POLE	AMP			
1	#12	OUTLETS AND EXHAUST FAN	20	1	1.1			1.1	1	20	GAS FIRED HEATER	#12	2
3	#12	OUTLETS	20	1	0.7			1.1	1	20	GAS FIRED HEATER	#12	4
5	#12	LIGHTS	20	1	1.0			0.2	1	20	DEDICATED WEATHER-PROOF RECEPTACLE GENERATOR (BLOCK HEATER)	#12	6
7	#12	JUNCTION BOX (# 2-WAY SWITCH) FOR ROLLUP DOOR IN ENGINE BAY	20	1	0.9			0.2	1	20	GENERATOR BATTERY CHARGER	#12	8
9	#12	JUNCTION BOX (# 2-WAY SWITCH) FOR ROLLUP DOOR IN ENGINE BAY	20	1	0.9			1.5	1	20	WELL HOUSE	#12	10
11	#12	JUNCTION BOX (# 2-WAY SWITCH) FOR ROLLUP DOOR IN ENGINE BAY	20	1	0.9			1.8	1	30	ICE MAKER **	#10	12
13		SPACE	-	-	-			-	1	20	SPARE	#12	14
15		SPACE	-	-	-			-	1	20	SPARE	#12	16
17		SPACE	-	-	-			-	1	20	SPARE	#12	18
19	#10	BIG ASS FAN	15	2	1.2			0.5	2	10	ENGINE BAY EXHAUST FAN **	#12	20
21					1.2			0.5					22
23		SPACE	-	-	-			1.0	1	20	AIR VAC EXHAUST REMOVAL CONTROLLER	#12	24
25		SPACE	-	-	-			1.7	1	20	AIR VAC EXHAUST REMOVAL ***	#12	26
27	#10	WELL PUMP **	30	2	1.3			1.7	1	20	AIR VAC EXHAUST REMOVAL ***	#12	28
29					1.3			1.7	1	20	AIR VAC EXHAUST REMOVAL ***	#12	30
SOLID NEUTRAL NEUTRAL WIRE (N)					TOTAL CONNECTED LOAD = 23.5 kva				GROUND BUS GROUND WIRE (G)				
					AΦ = 12.2 kva		BΦ = 11.3 kva						

** INSTALL BREAKER TO MATCH EQUIPMENT INSTALLED.
 *** WIRE OUTLET THRU CONTROL PANEL



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REVISIONS	DATE	DESCRIPTION
1	7/29/2022	Revised PP2



ST. TAMMANY FIRE PROTECTION DISTRICT NO. 1
FIRE STATION 19
 57047 ALLEN ROAD
 SLIDELL, LOUISIANA 70461
 JOB No: 2495
 DATE: 05-16-2022
 DRAWN BY: C&D
 CHECKED BY: BAW

SHEET TITLE:
 PANEL SCHEDULE AND ONE LINE DIAGRAM

DRAWING NUMBER:
E104

SHEET No: 30 of 30