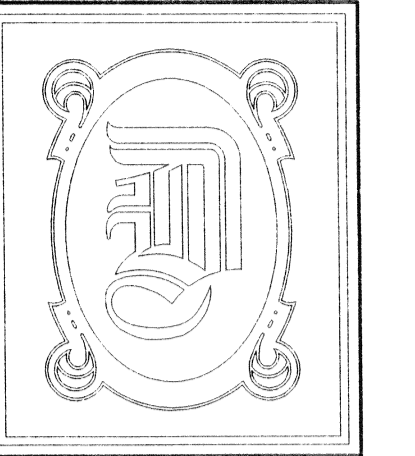
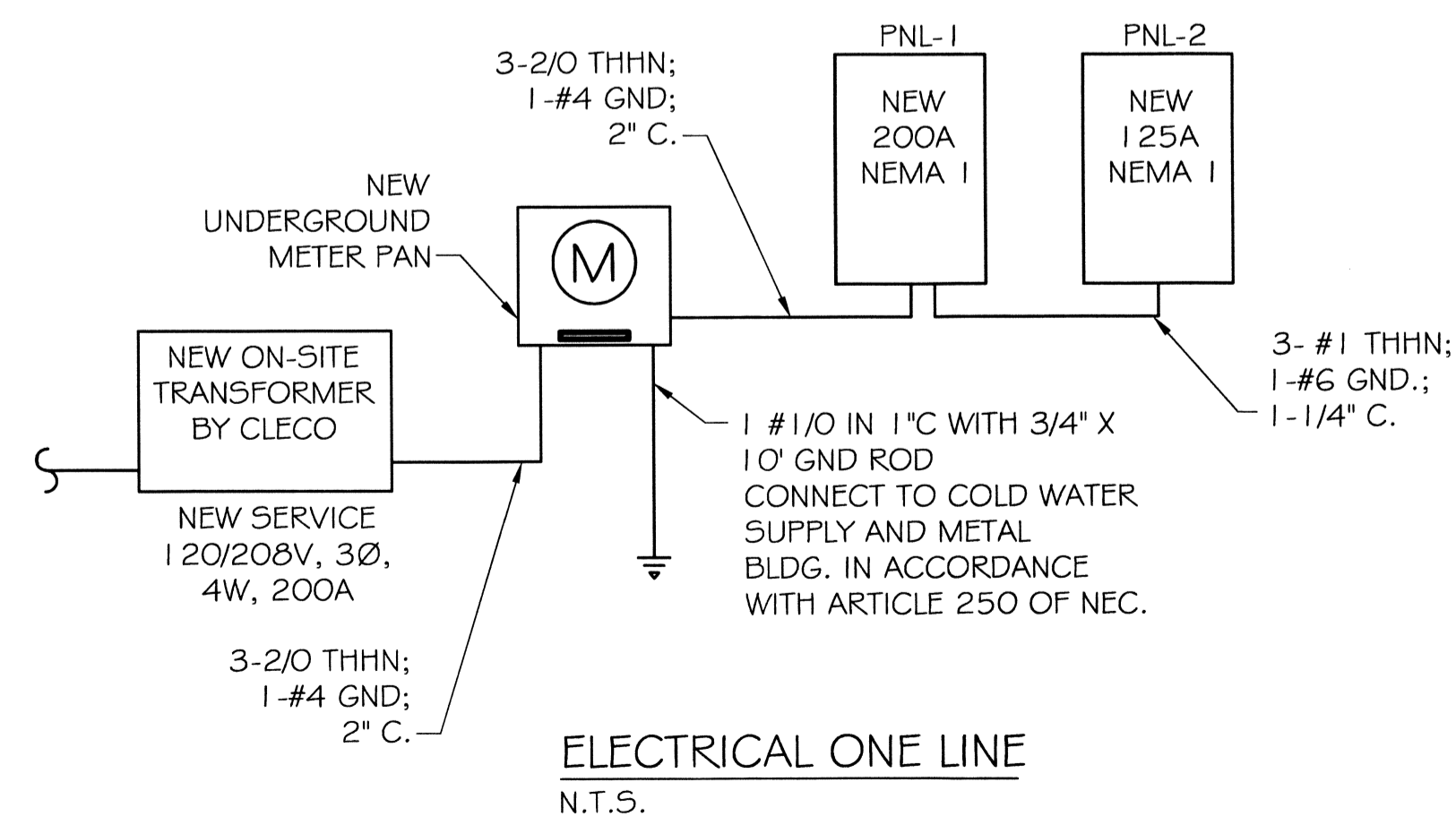


ELECTRICAL NOTES

- ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED.
- ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
- THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
- PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
- ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
- ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
- WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE.
- ELECTRICAL CONTRACTOR SHALL COORDINATE THE TELEPHONE INSTALLATION WITH THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR.
- ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC. AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT. AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
- PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING.
- ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
- MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE 3/4" EMT FOR INTERIOR USE, AND 3/4" RIGID ALUMINUM OR PVC SCHEDULE 80 FOR EXTERIOR USE. USE TYPE NMC CABLE COPPER, FOR LIGHTS AND RECEPTACLE CIRCUITS. EXTERIOR FITTINGS SHALL BE CAST BOXES AND COVERS. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS. STAMPED BOXES MAY BE USED ABOVE CEILINGS IN AIR CONDITIONED SPACES. WHERE LAY IN FIXTURES ARE IN USE, USE 1 1/2" ALLOWED FOR 6" WIDTH.
- CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
- INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF.
- BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230-63, NFPA 250-23, 250-71 & 250-72.
- GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23b.
- FUSES SHALL BE ITT CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
- EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ABUTTING PROPERTY LINE.

PANEL: PNL-1				VOLTAGE: 120/208V, 200A 3Ø, 4W					
LOCATION: ELECTRICAL ROOM				ENCLOSURE: WALL MOUNTED W/EQUIPMENT GND BAR					
FEEDER SOURCE: CLECO				SQUARE D TYPE QO LOAD CENTER, 22000 AIC, W/ MAIN BRKR					
CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP POLE	LOAD (VA)	A0 B0 C0			THHN WIRE SIZE	CKT. NO.
					LOAD (VA)	POLE	AMP		
1				3260					2
3	#8	A/C #1 6-TON CONDENSOR UNIT	35 3	2120	3260	3	35	A/C #1 AHU 17KW ELECTRIC HEAT	#8
5				3260					6
7				3260					8
9	#8	A/C #2 6-TON CONDENSOR UNIT	35 3	2120	3260	3	35	A/C #2 AHU 17KW ELECTRIC HEAT	#8
11				3260					12
13				4000					14
15	#10	WATER HEATER 40 GAL.	30 2	4500	4000	2	30	WATER HEATER 50 GAL.	#10
17				2600					18
19	#10	DRYER	30 2	2600	2600	2	30	DRYER	#10
21	#12	KITCHEN HOOD ROOF MTD. EXH. FAN	20 1	600	840	1	20	KITCHEN HOOD MJA FAN	#12
23		BLANK						BLANK	24
25	#12	SPARE	20 1		12400				26
27	#12	SPARE	20 1		12600				28
29	#12	SPARE	20 1		10700				30
				TOTAL CONNECTED LOAD (VA)			GROUND BUS		
				A0=32620	B0=29660	C0=22420	GROUND WIRE (G)		

PANEL: PNL-2				VOLTAGE: 120/208V, 125A 3Ø, 4W					
LOCATION: ELECTRICAL ROOM				ENCLOSURE: WALL MOUNTED W/EQUIPMENT GND BAR					
FEEDER SOURCE: PNL-1				SQUARE D TYPE QO LOAD CENTER, 22000 AIC, M.L.O.					
CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP POLE	LOAD (VA)	A0 B0 C0			THHN WIRE SIZE	CKT. NO.
					LOAD (VA)	POLE	AMP		
1	#12	BED #1, BATH #2, HALL RECEPTACLES	20 1	1600	1600	1	20	BED #2, BATH #3 & OUTSIDE RECEPT.	#12
3	#12	OFFICE & ENTRANCE RECEPTACLES	20 1	1600	1600	1	20	BED #3 & HALL RECEPTACLES	#12
5	#12	EXERCISE ROOM RECEPTACLES	20 1	1000	1600	1	20	BED #4, BATH #1, OUTSIDE & AHU RECEPT.	#12
7	#12	BED #5 & OUTSIDE RECEPTACLES	20 1	1600	1600	1	20	BED #6, HALF BATH, & ELECT. ROOM RECEPT.	#12
9	#12	REC ROOM, OUTSIDE & AHU RECEPT.	20 1	1600	1600	1	20	KITCHEN & OUTSIDE RECEPTACLES	#12
11	#12	KITCHEN / PANTRY LIGHTS	20 1	1000	1300	1	20	CARPET LIGHTS	#12
13	#12	EXTERIOR LIGHTS	20 1	1400	-	-	-	BLANK	14
15	#12	WASHER	20 1	1600	1600	1	20	FREEZER	#12
17	#12	REFRIGERATOR	20 1	1600	1200	1	20	BED #1, 3, CLOSET, BATH #2 LIGHTS	#12
19	#12	BED #2, BATH #3, WASH ROOM, CLOSET & OFFICE LIGHTS	20 1	1600	1400	1	20	EXERCISE & ENTRANCE LIGHTS	#12
21	#12	BED #4, 5, CLOSETS, BATH #1 & AHU LIGHTS	20 1	1600	1400	1	20	BED #6, CLOSET, HALF BATH, ELECT. ROOM & AHU LIGHTS	#12
23	#12	CORRIDOR LIGHTS	20 1	1400	1600	1	20	REC RM. & SCREENED PORCH LIGHTS	#12
25	#12	DISHWASHER	20 1	1600	-	-	-	SPARE	#12
27	#12	SPARE	20 1					BLANK	28
29	#12	SPARE	20 1					BLANK	30
				TOTAL CONNECTED LOAD (VA)			GROUND BUS		
				A0=12400	B0=12600	C0=10700	GROUND WIRE (G)		



DAMMON
ENGINEERING, INC.

CHIEF ENGINEER
EMMETT
DAMMON, P.E.

CHIEF ARCHITECT
ROBERT
WILTSE

554 OLD SPANISH TRAIL
SLIDELL, LA. 70458
OFFICE: 985-649-5832
FAX: 985-641-5950

WEBSITE:
WWW.DAMMONENGINEERING.COM

EMAIL:
DAMMONENG@BELLSOUTH.NET

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1705 VIOLA ST
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ELECTRICAL DETAILS,
NOTES, AND
SCHEDULES

Robert Wiltse

REV:

SCALE: AS NOTED

JOB#: 2081

DATE: 04-08-2011

SHEET 16

E-3

OF 17