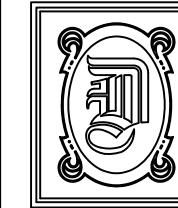
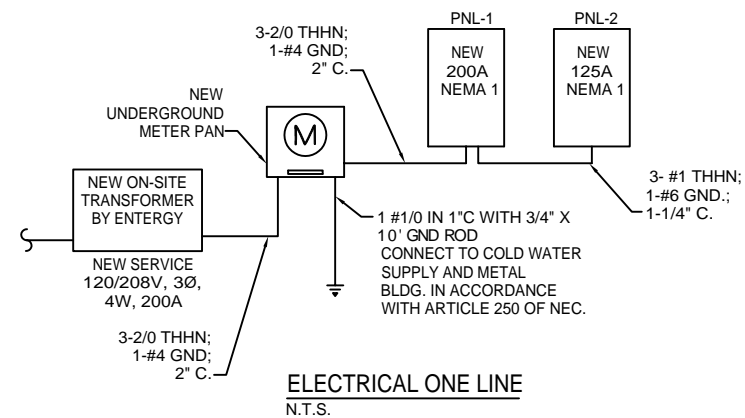


ELECTRICAL NOTES

- 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 14/ 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, NFPR 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: ENTERGY		SQUARE D TYPE QO LOAD CENTER, 22000 AIC, W/ MAIN BRKR										
CCT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	AØ BØ CØ			LOAD (VA)	BREAKER	LOAD DESCRIPTION	THHN WIRE SIZE	CCT. NO.
					AMP	POLE	POLE					
1				2120				3260				2
3	#8	A/C #1 6 TON CONDENSOR UNIT	35 3	2120				3260	3 35	A/C #1 AHJ 17KW ELECTRIC HEAT	#8	4
5				2120				3260				6
7				2120				3260				8
9	#8	A/C #2 6 TON CONDENSOR UNIT	35 3	2120				3260	3 35	A/C #2 AHJ 17KW ELECTRIC HEAT	#8	10
11				2120				3260				12
13	#10	WATER HEATER 40 GAL	30 2	4500				4000	2 30	WATER HEATER 30 GAL	#10	14
15				4500				4000				16
17	#10	DRYER	30 2	2600				2600	2 30	DRYER	#10	18
19				2600				2600				20
21	#12	KITCHEN HOOD ROOF MTD. EXH. FAN	20 1	600				840	1 20	KITCHEN HOOD MUA FAN	#12	22
23	-	BLANK	-	-				-	-	BLANK	-	24
25	#12	SPARE	20 1	-				12400				26
27	#12	SPARE	20 1	-				12600	3 20	PNL-2		28
29	#12	SPARE	20 1	-				10700				30
				TOTAL CONNECTED LOAD (VA)						GROUND BUS		
				AØ=32620	BØ=28660	CØ=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.										
CCT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	AØ BØ CØ			LOAD (VA)	BREAKER	LOAD DESCRIPTION	THHN WIRE SIZE	CCT. NO.
					AMP	POLE	POLE					
1	#12	BED #1, BATH #2, HALL RECEPTACLES	20 1	1600				1600	1 20	BED #2, BATH #3 & OUTSIDE RECEPT.	#12	2
3	#12	OFFICE & ENTRANCE RECEPTACLES	20 1	1600				1600	1 20	BED #3 & HALL RECEPTACLES	#12	4
5	#12	EXERCISE ROOM RECEPTACLES	20 1	1000				1600	1 20	BED #4, BATH #1, OUTSIDE & AHJ RECEPT.	#12	6
7	#12	BED #5 & OUTSIDE RECEPTACLES	20 1	1600				1600	1 20	BED #5, HALF BATH, & ELEC. ROOM RECEPT.	#12	8
9	#12	REC ROOM, OUTSIDE & AHJ RECEPT.	20 1	1600				1600	1 20	KITCHEN & OUTSIDE RECEPTACLES	#12	10
11	#12	KITCHEN / PANTRY LIGHTS	20 1	1000				1300	1 20	CARPET LIGHTS	#12	12
13	#12	EXTERIOR LIGHTS	20 1	1400				-	-	BLANK	-	14
15	#12	WASHER	20 1	1600				1600	1 20	FREEZER	#12	16
17	#12	REFRIGERATOR	20 1	1600				1200	1 20	BED #1, 3, CLOSET, BATH #2 LIGHTS	#12	18
19	#12	BED #2, BATH #3, WASH ROOM, CLOSET & OFFICE LIGHTS	20 1	1600				1400	1 20	EXERCISE & ENTRANCE LIGHTS	#12	20
21	#12	BED #4,5, CLOSETS, BATH #1 & HALL LIGHTS	20 1	1600				1400	1 20	BED #6, CLOSET, HALF BATH, ELEC. ROOM & HALL LIGHTS	#12	22
23	#12	CORRIDOR LIGHTS	20 1	1400				1600	1 20	REC RM. & SCREENED PORCH LIGHTS	#12	24
25	#12	DISHWASHER	20 1	1600				-	1 20	SPARE	#12	26
27	#12	SPARE	20 1	-				-	-	BLANK	-	28
29	#12	SPARE	20 1	-				-	-	BLANK	-	30
				TOTAL CONNECTED LOAD (VA)						GROUND BUS		
				AØ=12400	BØ=12600	CØ=10700				GROUND WIRE (G)		



DAMMON ENGINEERING, INC.

CHIEF ENGINEER
EMMETT
DAMMON, P.E.

CHIEF ARCHITECT
ROBERT
WILTSE

1095 FLORIDA AVENUE
SLIDELL, LA. 70458
OFFICE: 985-649-5832
FAX: 985-641-5950

WEBSITE:
WWW.DAMMONENGINEERING.COM

EMAIL:
DAMMONENG@BELLSOUTH.NET

ARCHITECTURE

ENGINEERING

STUDIES

PLANNING

INVESTIGATION

EXPERT WITNESS

NEW
LIVING
FACILITY

STARC WEST
1705 VIOLA ST
MANDEVILLE, LA

ELECTRICAL
DETAILS, NOTES
AND
SCHEDULES

REV:

SCALE: AS NOTED

JOB#: 2081

DATE: 11-4-10

SHEET 16

E-3

OF 17