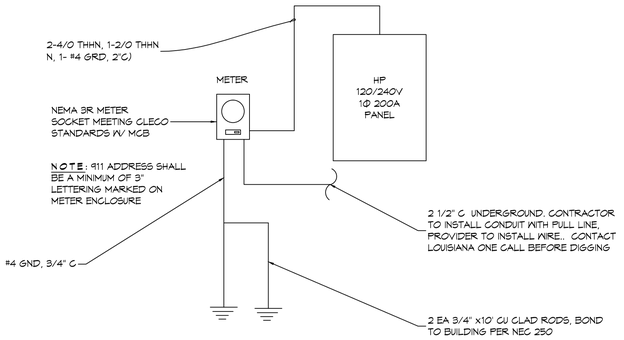
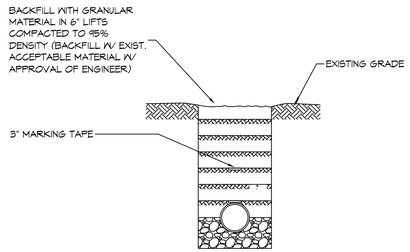


3 ONE-LINE DIAGRAM
SCALE: NTS



4 DETAIL
SCALE: NTS ELECTRICAL SERVICE CONDUIT

DATA, VOICE AND COAX

1 CONTRACTOR SHALL INSTALL CAT 6 CABLING, BELDEN OR EQUAL, FOR ALL DATA AND VOICE CONNECTIONS. TERMINATE ALL CAT 6 CABLES IN UTILITY ROOM USING A 110-8 PORT RJ-45 PATH PANEL, PANDUIT OR EQUAL.
- A. CAT 6 CABLING SHALL BE TERMINATED USING STANDARD SPECIFIED BY MANUFACTURER AND TESTED USING A CERTIFIED CABLE ANALYZER. PROVIDE ENGINEER TEST RESULTS FOR EACH CABLE DROP.
- B. CAT 6 TERMINATIONS INSIDE THE RESIDENCE, SHALL USE A FLUSH MOUNTED CAT 6 RJ45 CONNECTOR PORT WITH PLASTIC COVER PLATE, LEVITON OR EQUAL, COLOR BY ARCHITECT.

2. ALL CATV CABLE SHALL BE RG-6 COPPER SHIELDED, COAXIAL CABLE WITH SOLID COPPER CONDUCTOR, BELDEN OR EQUAL. ALL COAXIAL CABLE SHALL BE 75 OHMS. CONTRACTOR TO CERTIFY ALL DROPS USING A D-SAM 3600, OR EQUAL, NETWORK ANALYZER. TEST SHALL INCLUDE BUT NOT LIMITED TO NOISE MITIGATION.
- A. CATV CABLE TERMINATION:
  - 1). ALL "F" CONNECTORS TO BE ENVIRONMENTALLY SEALED, COMPRESSION TYP FITTINGS.
  - 2). ALL RF SIGNAL DISTRIBUTIONS COAXIAL CABLE AT THE "USER END" SHALL BE TERMINATED WITH FEMALE "F" CONNECTOR WITH A PLASTIC COVER PLATE, LEVITON OR EQUAL, COLOR BY ARCHITECT .

3. WHERE DATA AND CATV ARE INSTALLED IN THE SAME LOCATION A SINGLE COVER PLATE SHALL BE USED, COLOR BY ARCHITECT.

GENERAL ELECTRICAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC ONLY. FURNISH ALL CONDUIT, WIRING, PANELS, BREAKERS, DISCONNECTS, ACCESSORIES, ETC. FOR COMPLETE INSTALLATION RATHER OR NOT EVERY ITEM IS SHOWN OR SPECIFIED.
2. THESE DRAWINGS ARE INTENDED AS GENERAL GUIDELINES FOR PURPOSES OF ESTABLISHING CERTAIN MIN. CRITERIA, AND DO NOT NECESSARILY REFRESENT THE FINAL LAYOUT, ARRANGEMENT, SIZE, BRAND NAME, CAPACITY OR OTHER CHARACTERISTICS OF THE ENGINEERED SYSTEM. SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS AND REQUIREMENTS OF LOCAL UTILITY OFFICIALS.
3. INSTALL GFCI OUTLETS AS REQUIRED BY APPLICABLE CODES. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WEATHERPROOF.
4. INSTALL HARDWIRED SMOKE DETECTORS WITH BATTERY BACKUP AS REQUIRED. INTER- CONNECT DETECTORS SO THAT ALL WILL SOUND SHOULD ONE DETECTOR ACTIVATE.
5. SOME EQUIPMENT SHOWN ON OTHER PLANS MAY REQUIRE ELECTRICAL SERVICE, SUCH AS WATER HEATER, CONDENSING UNITS, AIR-HANDLING UNITS, CONDENSATE PUMPS, ETC.. ELECTRICAL CONTRACTOR SHALL INCLUDE ELECTRICAL SERVICE TO ALL SUCH EQUIPMENT. COORDINATE WITH OTHER TRADES CONCERNING CONCERNING ITEMS REQUIRING ELECTRICAL SERVICE. PROVIDE ONE DUPLEX OUTLET AND LIGHT IF UNIT IS IN NON-LIT AREA FOR EVERY CONDENSING UNIT AND EVERY AIR-HANDLING UNIT AS REQUIRED BY APPLICABLE CODES.
6. OBTAIN NAME PLATE AND RATING OF ALL EQUIPMENT BEFORE ROUGHING IN AND PROVIDE WIRING OF PROPER SIZE, VOLTAGE, AND AMPACITY. PROVIDE FUSED OR NON-FUSED DISCONNECT SWITCH AS REQUIRED.
7. PROVIDE PANEL BOARDS OF PROPER VOLTAGE AND AMPACITY FOR ALL ELECTRICAL CIRCUITS.
8. VERIFY SERVICE REQUIREMENTS WITH LOCAL POWER COMPANY INCLUDING TRANSFORMER LOCATIONS AND TYPES, DISCONNECTS AT EXTERIOR OF BLDG., VOLTS AND AMPACITIES AND OTHER DETAILS OF ELECTRICAL CONSTRUCTION. SIZE ALL FEEDERS ACCORDING TO NEC REQUIREMENTS.
9. RUN ALL CABLE CONCEALED IN WALLS, CEILINGS OR FLOORS UNLESS NOTED OTHERWISE.
10. SUPPORT ALL FIXTURES AND OTHER ITEMS RIGIDLY FROM STRUCTURE.
11. INSULATE AND SEAL SOLIDLY BEHIND RECEPTACLES IN EXTERIOR WALLS.
12. WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE.
13. ALL OUTLETS SHALL BE INSTALLED 18" AFF UNLESS NOTED OTHERWISE.
14. ALL CEILING PENETRATIONS SHALL BE SEALED TO PREVENT THE MOVEMENT OF AIR AND MOISTURE.
15. ALL 120V 15A AND 20A OUTLETS SHALL BE ARC-FAULT CIRCUIT INTERRUPTER COMPLIANT.

GENERAL UTILITY NOTES

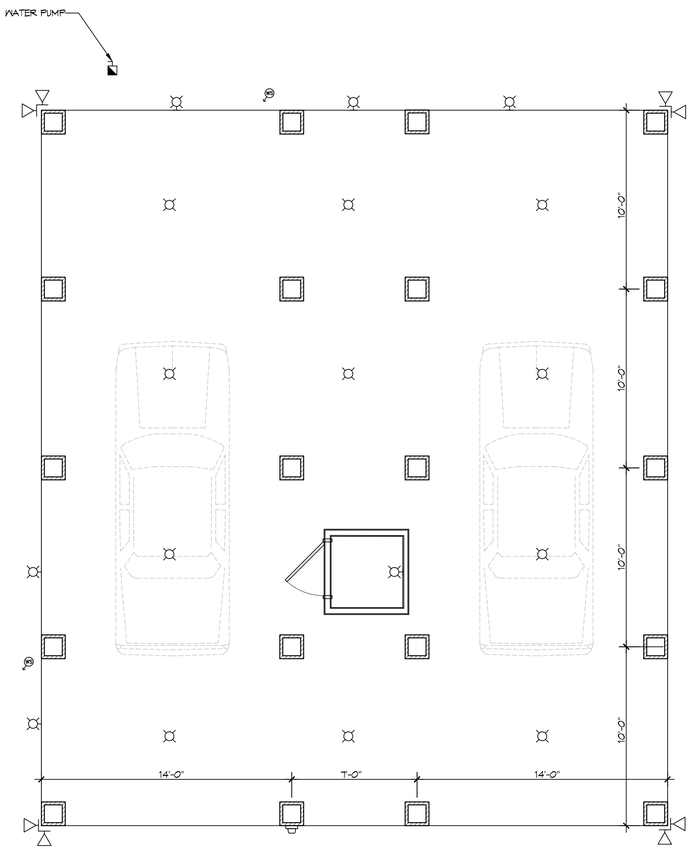
1. USE SCH. 80 PVC CONDUIT WHERE PIPE IS EXPOSED ABOVE GRADE. TRANSITION TO SCH.40 PVC BELOW GRADE. ALL 90° ELBOWS TO BE LONG SWEEP TYPE.
2. 120/240V 1Ø 200A SERVICE FROM UTIL. CO., FEEDER BY UTIL. CO TO METER BOX. FIELD LOCATE TRANSFORMER ON POLE AND COORDINATE WITH ELEC. COMPANY REGARDING NEW ELECTRICAL SERVICE CONNECTION.
3. CONTACT LOUISIANA ONE CALL BEFORE DIGGING.

ELECTRICAL POWER LEGEND

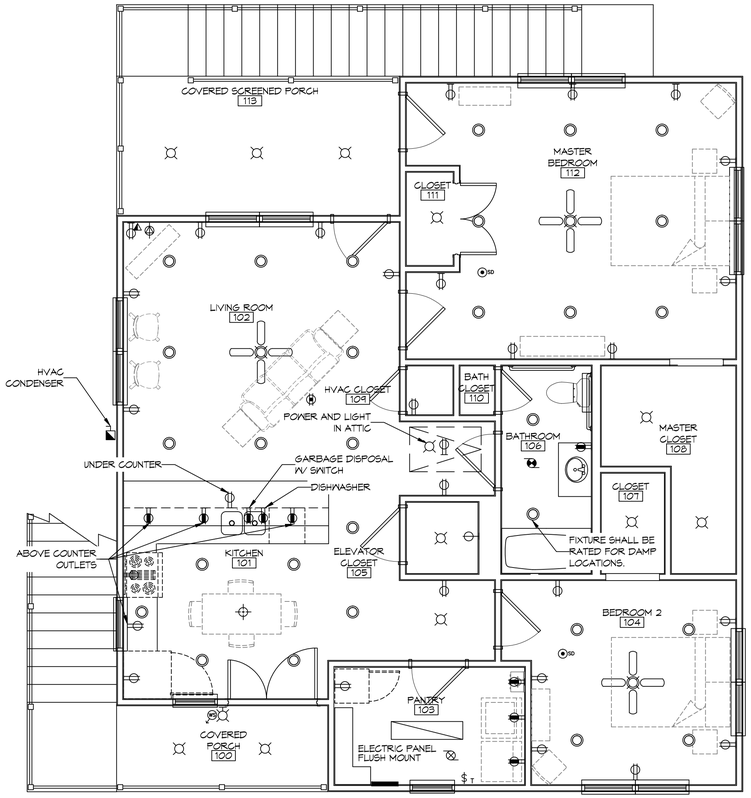
	DUPLEX OUTLET		220 VOLT DRYER OUTLET
42" AFF	COUNTER-HT DUPLEX OUTLET	SD	120V SMOKE DETECTOR W/ 9VDC BATTERY BACKUP
	QUAD OUTLET		COAXIAL OUTLET
	DUPLEX OUTLET W/ USB CHARGER	T	THERMOSTAT
	FLOOR QUAD OUTLET		DISCONNECT DOOR BELL
	FLOOR TELEPHONE BOX		JUNCTION BOX
	DATA OUTLET (WALL)		DOOR BELL JUNCTION BOX
	TELEPHONE OUTLET (WALL)		DOOR BELL
	GROUND FAULT INTERRUPTER (GFCI)		WIRING CONCEALED IN CEILING OR WALL
WP	GFCI OUTLET W/ WEATHER PROOF COVER		WIRING CONCEALED IN FLOOR
	METER		EXPOSED WIRING
T	LINE VOLTAGE THERMOSTAT		HOME RUN TO PANEL BOARD

ELECTRICAL LIGHTING LEGEND

	FAN/LIGHT COMBINATION		WALL MOUNTED LIGHT FIXTURE
	RECESSED LIGHT FIXTURE (6"Ø)	S_1	WALL SWITCH - SINGLE POLE
	SURFACE MOUNTED LIGHT FIXTURE	S_3	WALL SWITCH - THREE-WAY
	PENDANT LIGHT FIXTURE	S_D	WALL SWITCH - DIMMER
	EXHAUST FAN		MOTION ACTIVATED FLOOD LIGHT
	EXHAUST FAN/HEATER/LITE	MS	EXHAUST FAN/HEATER
			MOTION SENSOR W/ PHOTOCELL



1 ELECTRICAL PLAN
E101|E101
SCALE: 1/4" = 1'-0" GROUND LEVEL



2 ELECTRICAL PLAN
E101|E101
SCALE: 1/4" = 1'-0" 1ST LIVING LEVEL

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI
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PH: 985.649.38
Chief Engineer: Brian Wistich, PE
554 Old Spanish Trail
Slidell, LA 70458

REVISIONS

#	DESCRIPTION	DATE

SEAL:

NEW RESIDENCE
VICKY MASAS
261 CARR DR.
SLIDELL, LA 70458

JOB No: DRAWN BY: DPD CHECKED BY: DPD
DATE: 8-3-2018

SHEET TITLE:
ELECTRICAL PLAN

DRAWING NUMBER:
E101

SHEET No: 13 of 24