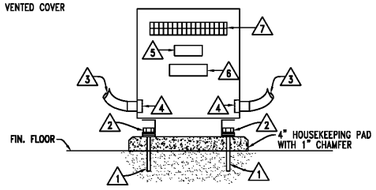
KEYED NOTES

1. FLOOR ANCHOR SYSTEM
2. VIBRATION ISOLATORS – TYP. FOR FOUR
3. FLEXIBLE CONNECTION
4. GROUND BUSSING TERMINATIONS
5. NAMEPLATE
6. TRANSFORMER IDENTIFICATION PLATE
7. VENTED COVER

INSTALLATION NOTES:

1. SIZE ALL SUPPORTS, ANCHOR SYSTEMS, BOLTS, ETC., AS REQUIRED FOR A SECURE INSTALLATION IN ACCORDANCE WITH THE SPECIFICATIONS.

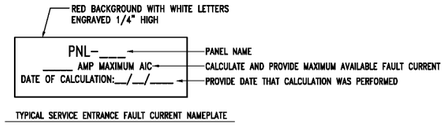


FLOOR MOUNTED
DETAIL-TYPICAL INDOOR INSTALLATION OF DRY TYPE TRANSFORMERS
3 E8.0 — NO SCALE

DRY TYPE TRANSFORMER SCHEDULE					
MARK	KVA	VOLTAGE		°C RISE	K FACTOR
		PRIMARY	SECONDARY		
TX–EM1	112.5	480 V. DELTA 3 PH., 3 W.	208Y/120 V. 3 PH., 4 W.	150	4
T–L	112.5	480 V. DELTA 3 PH., 3 W.	208Y/120 V. 3 PH., 4 W.	150	4

NOTES:

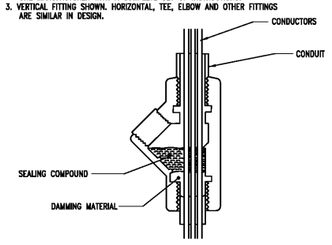
1. CONTRACTOR SHALL CALCULATE AND PROVIDE NAMEPLATE ON THE SERVICE ENTRANCE EQUIPMENT THAT INDICATES THE MAXIMUM AVAILABLE FAULT CURRENT AND THE DATE THE CALCUALTION WAS PERFORMED. SEE NAMEPLATE REQUIREMENTS BELOW.



TYPICAL SERVICE ENTRANCE FAULT CURRENT NAMEPLATE

DETAIL - SERVICE ENTRANCE FAULT CURRENT NAMEPLATE
3 E8.0 — NO SCALE

NOTES:
1. SEALING COMPOUND MUST HAVE A MINIMUM THICKNESS OF NOT LESS THAN THE TRADE SIZE OF CONDUIT IN WHICH IT IS INSTALLED AND IN NO CASE LESS THAN 5/8"(15.875mm).
2. SEALING FITTING AND COMPOUND SHALL BE FURNISHED AS ONE PACKAGE FROM ONE MANUFACTURER WITH A COMPLETE SET OF INSTRUCTIONS.
3. VERTICAL FITTING SHOWN. HORIZONTAL, TEE, ELBOW AND OTHER FITTINGS ARE SIMILAR IN DESIGN.



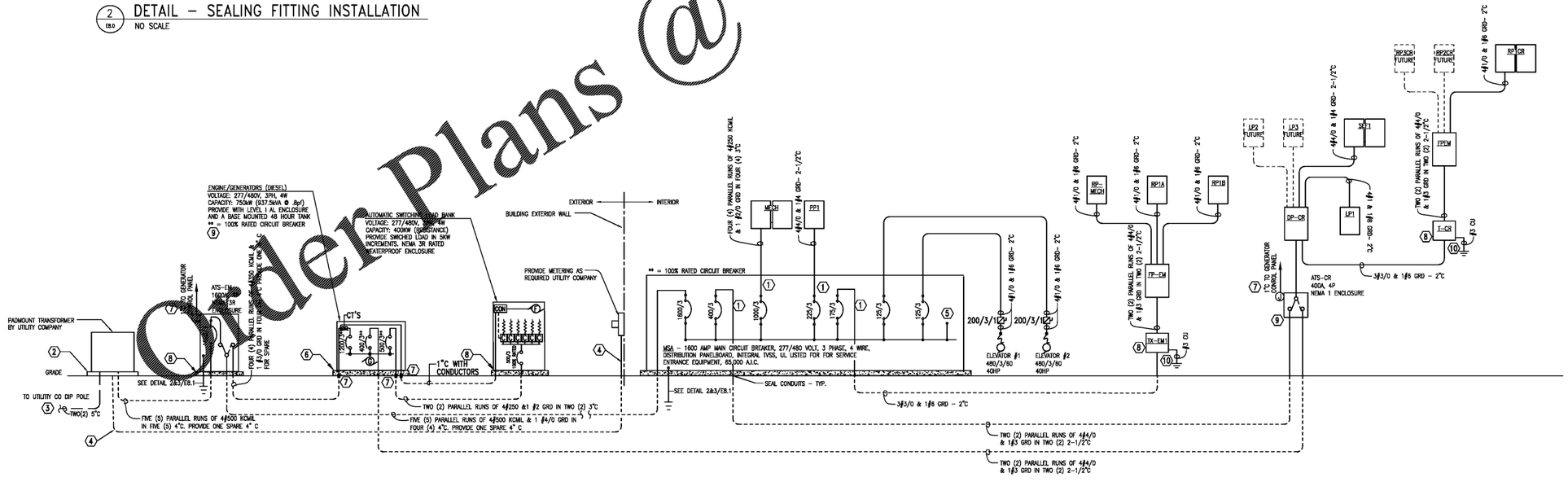
DETAIL – SEALING FITTING INSTALLATION
2 E8.0 — NO SCALE

SINGLE LINE DIAGRAM NOTES:

1. INSTALLATION AND CONNECTION OF ALL DEVICES SHALL BE IN ACCORDANCE WITH NEC, MANUFACTURER'S RECOMMENDATIONS, AND STATE AND LOCAL CODES.
2. CONTRACTOR IS RESPONSIBLE FOR THE CONNECTING, INSTALLATION, AND MARKING OF ALL POWER FEEDER CONDUCTORS FOR THE PROPER PHASE SEQUENCE AND LOADING . CONTRACTOR SHALL TEST EACH FEEDER AND EQUIPMENT FEEDERS WITH A PHASE METER PRIOR TO CONNECTING LOADS.
3. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND VERIFYING WITH ALL DIVISIONS THE ACTUAL NAMEPLATE DATA OF ALL EQUIPMENT AND DEVICES SUPPLIED ON THIS PROJECT PRIOR TO BID. CONTRACTOR SHALL THEN PROVIDE THE PROPERLY SIZED OVERCURRENT DEVICES (CIRCUIT BREAKERS, CONDUCTORS, DISCONNECTS, FUSES, ETC.) TO PROPERLY PROTECT THE EQUIPMENT PER THE NEC. ENGINEER'S DESIGN BASED ON DATA GIVEN TO HIM BY DESIGNERS OF OTHER DIVISIONS, ACTUAL NAMEPLATE DATA COULD DIFFER.
4. SEAL ALL CONDUITS FROM THE EXTERIOR WITH A SEALING COMPOUND, ONCE ALL CABLING HAS BEEN INSTALLED.

SHEET NOTES:

1. FEEDER CIRCUIT SHALL BE INSTALLED UNDERGROUND BELOW SLAB.
2. INSTALL CONCRETE PAD FOR PADMOUNT TRANSFORMER AS DIRECTED BY UTILITY COMPANY.
3. INSTALL UNDERGROUND PRIMARY CONDUITS FROM THE PADMOUNT TRANSFORMER TO THE UTILITY DIP POLE AS DIRECTED BY UTILITY COMPANY. COORDINATE NUMBER AND SIZE OF CONDUITS WITH UTILITY COMPANY PRIOR TO BID. ADJUST ACCORDINGLY. SEE SITE PLAN SHEET E1.0.
4. INSTALL A MINIMUM 1-1/4" CONDUIT FROM THE SECONDARY CONNECTION COMPARTMENT OF THE PADMOUNT TRANSFORMER TO THE METER BASE. VERIFY THE EXACT CONDUIT SIZE, TERMINATION POINTS, AND ROUTING WITH APCO PRIOR TO ROUGH-IN. MOUNT METER BESIDE TRANSFORMER. PROVIDE UNISTRUT SET IN CONCRETE FOR MOUNTING OF METER.
5. SEE PANELBOARD SCHEDULE FOR CIRCUIT BREAKER AND SPACE PROVISIONS.
6. INSTALL CONCRETE PAD FOR PAD MOUNTED GENERATOR. COORDINATE EXACT DIMENSIONS WITH MANUFACTURER. EXTEND AD 6 INCHES BEYOND GENERATOR ENCLOSURE FOOTPRINT.
7. PROVIDE SEAL-OFF FITTING AT THIS LOCATION AND AT LOCATION WHERE CONTROLS AND ANNUNCIATOR PANEL ENTER BUILDING AND GENERATOR ENCLOSURE. SEE DETAIL 2 THIS SHEET.
8. PROVIDE CONCRETE HOUSEKEEPING PAD FOR TRANSFORMERS, LOAD BANK, MAIN PANELBOARD, AUTOMATIC TRANSFER SWITCHES, ETC.
9. PROVIDE SIGNAGE COMPLYING WITH NEC ARTICLE 700.8 AND 701.9 AT MAIN SERVICE ENTRANCE PANEL THAT IDENTIFIES ALTERNATE SOURCE OF POWER FOR THIS FACILITY.
10. PROVIDE GROUND TO BUILDING STEEL.



SINGLE LINE RISER DIAGRAM
1 E8.0 — NO SCALE

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14, Millbrook, AL 36054, Tel: 334.285.1273
500 Southland Drive Suite 250, Hoover, AL 35226, GA#1-192

phj architects inc.
Montgomery, Alabama

CIP-2017-001
UPGRADES TO THE MOBILE COUNTY METRO JAIL
For The MOBILE COUNTY COMMISSION
MOBILE, ALABAMA

ALABAMA REGISTERED No. 26985 PROFESSIONAL ENGINEER KENNETH RAY GUNN JR.
04-02-19

DRAWN J.C.F.	CHECK K.R.G.
DATE April 2, 2019 RTA	
REVISED	
REVISED	

SHEET TITLE: SINGLE LINE DIAGRAM, DETAILS & NOTES
JOB NO.: PH&J 1801-GV
SEQUENCE NO.: 173 of 175

E8.0