

ORIENT ROAD JAIL
DIESEL GENERATOR TANK REPLACEMENT
TAMPA, FLORIDA 33619

TABLE OF CONTENTS

SPECIFICATIONS

DIVISION 26 – ELECTRICAL

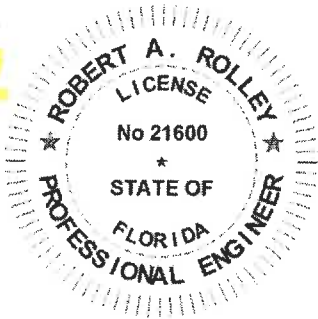
Section	260500	Common Work Results for Electrical	5 pages
Section	260503	Basic Materials and Methods	6 pages
Section	263213	Generator Fuel Storage System	6 pages
Section	264100	Facility Lightning Protection	4 pages

END OF SECTION

Electrical Engineer of Record:

Digitally signed
by Robert A Rolley
Date: 2021.03.23
12:19:03 -04'00'

This item has been electronically signed and sealed by Robert A. Rolley, P.E. on the date included in the Certificate using a digital signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.



ORIENT ROAD JAIL
DIESEL GENERATOR TANK REPLACEMENT
TAMPA, FLORIDA 33619

SECTION 260500 - GENERAL PROVISIONS FOR ELECTRICAL WORK

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division-1 Specification sections, apply to work of this section.
- B. Refer to other sections of these specifications for related work, which is not work of this section.
 - 1. Section 260503 - Basic Materials and Methods
 - 2. Section 263213 - Generator Fuel Storage System
 - 3. Section 264100 - Lightning Protection System

1.2 CODES

- A. Work herein shall conform to all applicable laws, ordinances, and to regulations of the local utility companies. Work shall be in accordance with the latest applicable requirements of:
 - 1. National Fire Protection Association (Fire Code)
 - 2. National Electrical Code - 2017
 - 3. Underwriter's Laboratories, Inc.
 - 4. Florida Building Code - 2020 (7th Edition)
 - 5. Local City of Tampa ordinances or codes
 - 6. Florida Fire Prevention Code - 2020 (7th Edition)

1.3 QUALITY ASSURANCE

- A. Use adequate numbers of skilled workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.
- B. Provide only materials that are new, and of the type and quality specified. Where Underwriters' Laboratories, Inc. have established standards for such materials, provide only materials bearing the UL label.

1.4 SUBSTITUTIONS AND SUBMITTALS

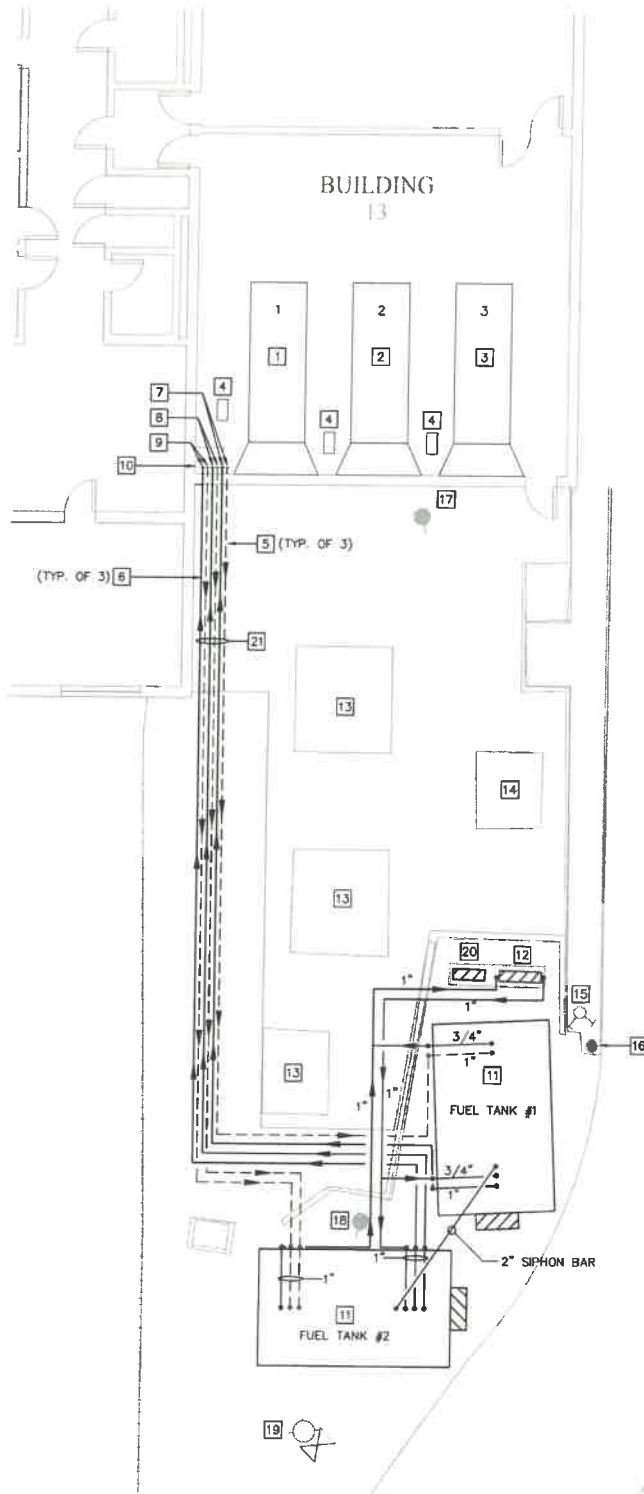
- A. One manufacturer shall be selected for any specific classification of material, equipment or systems (i.e. switchgear, panelboards, transformers, etc.) shall be manufactured by one manufacturer. If more than one manufacturer is submitted, the Engineer shall select one at his discretion.
- B. Submittals for substitutions of electrical equipment or materials shall be made at least ten (10) days prior to the bid date. Prebid substitutions to be made in writing and properly identified. Such substitutions will be identified in an addendum, if acceptable.
- C. Shop drawings shall be reviewed and stamped by contractor, with all items identified and all technical data included. All shop drawings shall be submitted at one time.
- D. The review of shop drawings is a general review subject to the contract documents, and verification of all measurements at the job. Review does not relieve the contractor from the responsibility of shop drawing errors. The contractor shall carefully check and correct all shop drawings prior to

GENERAL NOTES

- ALL WORK UNDER THIS DIVISION SHALL COMPLY WITH THE CODES AND STANDARDS AS LISTED ON THE PROJECT DRAWINGS AND TO OTHER PERTINENT CODES MADE A PART OF SUCH CODE BY REFERENCE.
- PLANS INDICATE THE SCHEMATIC LAYOUT AND LOCATION OF THE FUEL OIL PIPING SYSTEM COMPONENTS. UNLESS SPECIFIC DIMENSIONS ARE NOTED, THE ACTUAL LOCATION OF THESE COMPONENTS SHALL BE DETERMINED IN THE FIELD IN COORDINATION WITH THE WORK OF OTHER TRADES. THE USE OF MANUFACTURER'S SHOP DRAWINGS AND SIMILAR CERTIFIED DATA. PLANS SHALL NOT BE SCALED.
- NO EXCLUSIONS FROM OR LIMITATIONS IN THE LANGUAGE USED IN THE CONTRACT DOCUMENTS SHALL BE INTERPRETED AS MEANING THAT EQUIPMENT, APPURTENANCES, AND/OR ACCESSORIES NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM ARE NOT TO BE PROVIDED AS REQUIRED. THE SEPARATE DIVISIONAL DRAWINGS AND SPECIFICATIONS DO NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY TO PROVIDE THE WORK WHICH IS INDICATED ON ANY OF THE DRAWINGS OR DIVISION OF THE SPECIFICATIONS. REVIEW AND COORDINATE THE SCOPE OF WORK WITH ALL SECTIONS TO ASSURE A COMPLETE AND FUNCTIONAL SYSTEM IS INSTALLED.
- THE DIMENSIONS AND CONDITIONS SHOWN ON THE CONTRACT DOCUMENTS ARE BASED ON AVAILABLE EXISTING INFORMATION. MAKE AN APPROPRIATE PRE-BID SITE INSPECTION IN ORDER TO ASCERTAIN EXISTING CONDITIONS AND INCLUDE IN THE BID THE COST OF ALL WORK RESULTING FROM EXISTING CONDITIONS, WHETHER OR NOT THIS WORK IS EXPLICITLY SHOWN ON THESE DRAWINGS. NOTIFY THE ENGINEER OF ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS.
- NOTIFY THE ENGINEER OR HIS AUTHORIZED REPRESENTATIVE OF ANY DAMAGE TO THE EXISTING INSTALLATION BEFORE PROCEEDING WITH WORK.
- SUBMIT SHOP DRAWINGS OF ALL MATERIALS FOR REVIEW. INSTALL AND TEST ALL MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. SUBMIT DRAWINGS AND CUT SHEETS FOR ALL PRODUCTS ALL AT ONE TIME. INDEX ALL ITEMS TO THE PROJECT MANUAL OR DRAWINGS AS APPLICABLE. SHOP DRAWINGS THAT DEVIATE FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS SHALL LIST ALL DIFFERENCES IN A COVER LETTER ATTACHED TO TOP OF THE SUBMITTAL. ANY UNLISTED DEVIATIONS FOUND DURING REVIEW WILL RESULT IN THE REJECTION OF THE ENTIRE SUBMITTAL. FOR ITEMS REVIEWED AND MARKED "REJECTED" OR "REVISE AND RESUBMIT", ONLY ONE ADDITIONAL SUBMITTAL WILL BE REVIEWED TO VERIFY PRODUCT COMPLIANCE WITH THE CONTRACT DOCUMENTS. SHOULD FURTHER SUBMITTALS BE REQUIRED FOR THE DESIGN PROFESSIONAL TO VERIFY THE SUBMITTAL WITH THE REQUIREMENTS OR THE CONTRACT DOCUMENTS, THE HOURLY RATE OF \$150.00 WILL BE BILLED TO THE CONTRACTOR FOR THE PROFESSIONAL(S) TIME SPENT ON THE REVIEW.
- HANGERS, ANCHORS AND SUPPORTS SHALL SUPPORT THE PIPING AND THE CONTENTS OF THE PIPING. HANGERS AND STRAPPING MATERIALS SHALL BE OF APPROVED MATERIALS THAT WILL NOT PROMOTE GALVANIC ACTION.
- PROVIDE ALL OFFSETS AND FITTINGS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM.
- COORDINATE PIPING WITH ALL ELECTRICAL EQUIPMENT (PANELS, TRANSFORMERS, ETC.) PRIOR TO ANY INSTALLATION. DO NOT ROUTE ANY PIPING OVER ANY ELECTRICAL DEVICES.
- DIELECTRIC UNIONS SHALL BE INSTALLED AT ALL CONNECTIONS OF DISSIMILAR METALS.
- THE CONTRACTOR SHALL INFORM THE OWNER (A MINIMUM OF ONE WEEK IN ADVANCE) OF ANY DISRUPTION OF SERVICES TO THE BUILDING AND SHALL NOT PROCEED TO WORK WITHOUT WRITTEN APPROVAL FROM THE OWNER. THE CONTRACTOR SHALL MAKE REPAIRS TO ANY SERVICES (ABOVE OR BELOW GROUND) DAMAGED BY WORK PERFORMED BY HIM.
- ABOVEGROUND FUEL OIL PIPING SHALL BE 1" SCHEDULE 40 BLACK STEEL PIPE, PRIME NEW PIPING WITH TWO COATS OF RUST INHIBITOR PAINT, FINISH WITH TWO COATS OF WHITE EPOXY PAINT.
- PROVIDE IDENTIFICATION LABELS ON FUEL PIPING INSIDE GENERATOR ROOM.
- VERIFY SIZES, LOCATION, AND ELEVATIONS PRIOR TO INSTALLING ANY PIPING.

PLUMBING RENOVATION CODED NOTES:

- EXISTING DUAL FUEL 750 KWH EMERGENCY GENERATOR 1.
- EXISTING DUAL FUEL 750 KWH EMERGENCY GENERATOR 2.
- EXISTING DUAL FUEL 750 KWH EMERGENCY GENERATOR 3.
- EXISTING 100 GAL CAPACITY DAY TANK AND PUMPS SET.
- 1" SCHEDULE 40 BLACK STEEL F.O.R. PIPE.
- 1" SCHEDULE 40 BLACK STEEL F.O.S. PIPE.
- CONNECT NEW 1" F.O.S. AND F.O.R. PIPING TO EXISTING ABOVE THE SLAB 1" F.O.S. AND 1" F.O.R. PIPING SERVING GENERATOR No. 3 DAY TANK.
- CONNECT NEW 1" F.O.S. AND F.O.R. PIPING TO EXISTING ABOVE THE SLAB 1" F.O.S. AND 1" F.O.R. PIPING SERVING GENERATOR No. 2 DAY TANK.
- CONNECT NEW 1" F.O.S. AND F.O.R. PIPING TO EXISTING ABOVE THE SLAB 1" F.O.S. AND 1" F.O.R. PIPING SERVING GENERATOR No. 1 DAY TANK.
- EMPTY EXISTING UNDERGROUND F.O.S. AND F.O.R. PIPING, CAP AND ABANDON IN PLACE. FILL EXISTING SUMP WITH CONCRETE AND FINISH TO MATCH EXISTING FLOOR.
- FUEL TANK. REFER TO ELECTRICAL DRAWINGS FOR DETAILS. COORDINATE TANK CONNECTIONS WITH TANK SUPPLIER.
- FUEL POLISHING SYSTEM. REFER TO ELECTRICAL DRAWINGS FOR DETAILS.
- EXISTING TRANSFORMER TO REMAIN.
- EXISTING PRIMARY SWITCH TO REMAIN.
- EXISTING FIRE DEPARTMENT CONNECTION TO REMAIN.
- EXISTING BOLLARD TO REMAIN.
- EXISTING GAS PUMP TO REMAIN.
- EXISTING POST INDICATOR VALVE TO REMAIN.
- EXISTING HYDRANT TO REMAIN.
- FUEL POLISHING SYSTEM CONTROLLER. REFER TO ELECTRICAL DRAWINGS FOR DETAILS.
- SECURE NEW PIPING TO WALL AT THIS LOCATION. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS AND AT THE DIRECTION OF THE OWNER.



PLUMBING FLOOR PLAN
SCALE: 1/8" = 1'0"

NOTES:

FIELD COORDINATE PIPE ROUTING WITH OWNER BEFORE INSTALLING ANY PIPING.
PROVIDE PIPE SUPPORTS PER DETAIL PD-0913 AND PD-0914. SEE DRAWING P-102.

PLUMBING LEGEND & SYMBOLS

FUEL OIL SUPPLY	FOS	_____
FUEL OIL RETURN	FOR	-----
PIPE DROP		↘
PIPE RISE		↗
PIPE CONNECTION (TOP)		⊥
PIPE CONNECTION (BOTTOM)		⊥
SHUTOFF VALVE		⊥
GLOBE VALVE		⊥
CHECK VALVE (SWING)		⊥
UNION		⊥

ABBREVIATIONS

SYMBOL	DESCRIPTION
F.O.R.	FUEL OIL RETURN
F.O.S.	FUEL OIL SUPPLY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
KW	KILOWATT
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
PSI	POUNDS PER SQUARE INCH

SUPPORT SPACING

PIPING MATERIAL	MAXIMUM HORIZONTAL SPACING (FEET)	MAXIMUM VERTICAL SPACING (FEET)
STEEL PIPE	8	15

CODE CRITERIA

NOTE:
ALL CODES AND STANDARDS SHALL COMPLY WITH THE FLORIDA STATUTES 69A-3.012 AND THE STATE FIRE MARSHALL'S RULE. THIS LIST IS NOT INCLUSIVE OF ALL CODES AND STANDARDS THAT MAY OR MAY NOT APPLY TO THIS PROJECT.

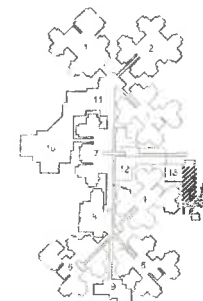
- *FLORIDA BUILDING CODE (FBC), SEVENTH EDITION (2020) - ALL SECTIONS
- *FLORIDA FIRE PREVENTION CODE 2017
- NATIONAL FIRE PROTECTION ASSOCIATION (NFPA):
- *NFPA-30 (2016) FLAMMABLE AND COMBUSTIBLE LIQUIDS CODE
- *NFPA-70 (2017) NATIONAL ELECTRICAL CODE
- *NFPA-72 (2016) NATIONAL FIRE ALARM CODE
- *NFPA-110 (2016) STANDARD FOR EMERGENCY AND STANDBY POWER SYSTEMS

NOTES

- THE NOTES SHOWN ON THIS SHEET APPLY TO GENERAL CONDITIONS OF PLUMBING WORK REQUIRED FOR THIS PROJECT.
- SPECIFICATIONS, PROJECT MANUALS AND DRAWINGS, REFER TO THIS SHEET FOR APPLICABLE REFERENCES.
- THE DESIGN DRAWINGS OF ALL CATEGORIES AND TRADES (PLUMBING, CIVIL, AND ELECTRICAL) AND ALL SPECIFICATIONS AND SHOP DRAWINGS MUST BE COORDINATED AND BE VIEWED IN CONNECTION AND CONJUNCTION WITH EACH OTHER TO INSURE THE PROPER LOCATION OF ALL DEVICES AND EQUIPMENT.
- TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE-SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH SECTION 110.8.4.4 OF THE FLORIDA BUILDING CODE AND 633 FLORIDA STATUTES.

DRAWING INDEX

P-101	PLUMBING LEGEND, NOTES, AND FLOOR PLAN
P-102	PLUMBING ISOMETRIC DIAGRAM AND DETAILS



KEY PLAN
SCALE: NOT TO SCALE



CONSULTING ENGINEERING ASSOCIATES

8365 GUNN HIGHWAY
TAMPA, FLORIDA 33626
(813) 448-0225
FAX (813) 448-0226
REGISTRY 3962

Mechanical
Plumbing Fire Protection

SEAL: John William Wells, III

2021.03.19
08:50:35 -04'00'
2021.001.20145

JOHN W. WELLS, III, PE
PE 0049347

PROJECT: ORIENT ROAD JAIL
DIESEL GENERATOR TANK REPLACEMENT
LOCATION: 1201 ORIENT ROAD,
Tampa, FL 33619

REVISIONS

delta	date	revision
△		
△		
△		

SHEET TITLE:

PLUMBING LEGEND,
NOTES, AND
FLOOR PLAN

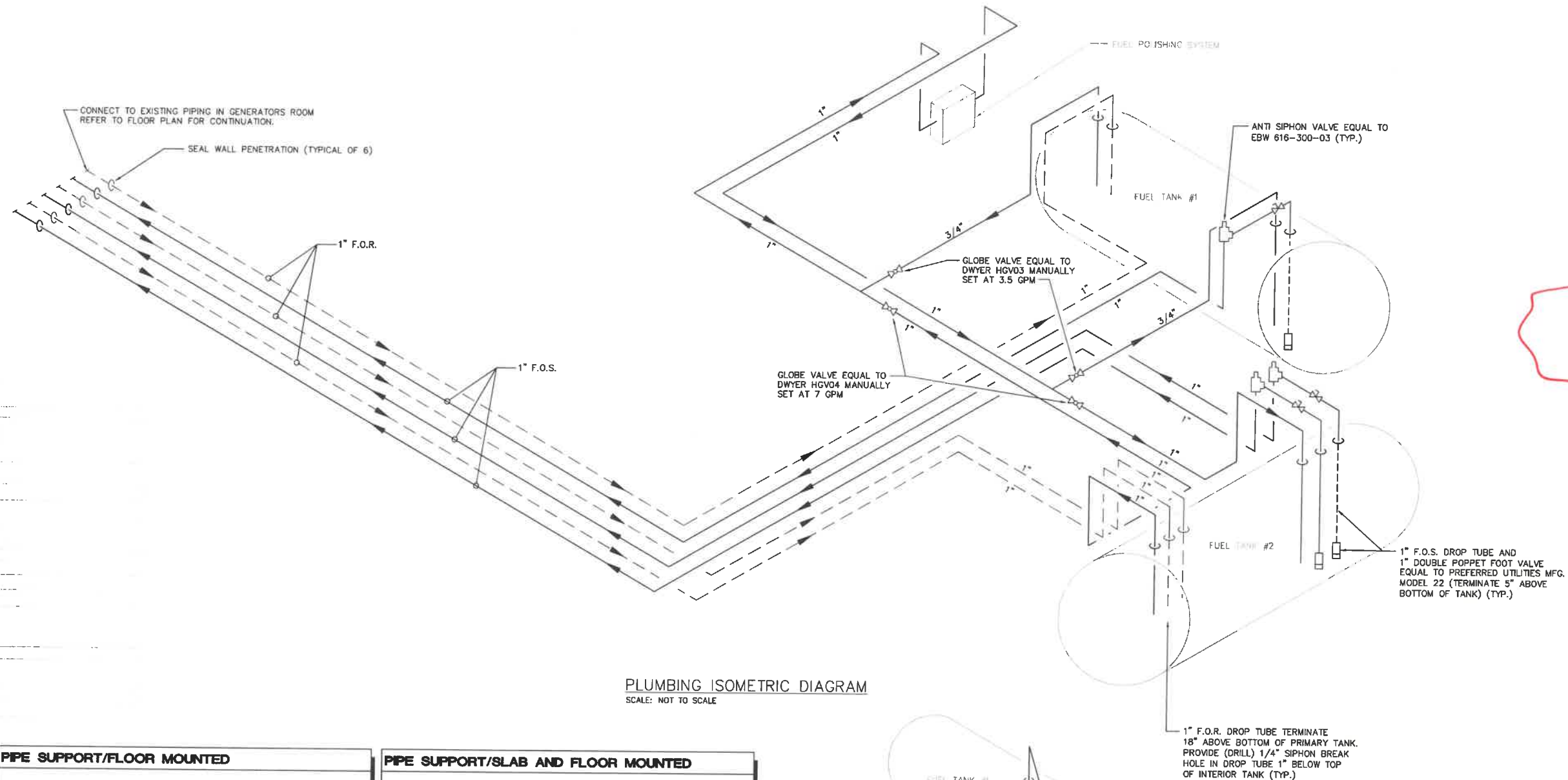
DRAWN BY: ML

DATE: 09/30/2020

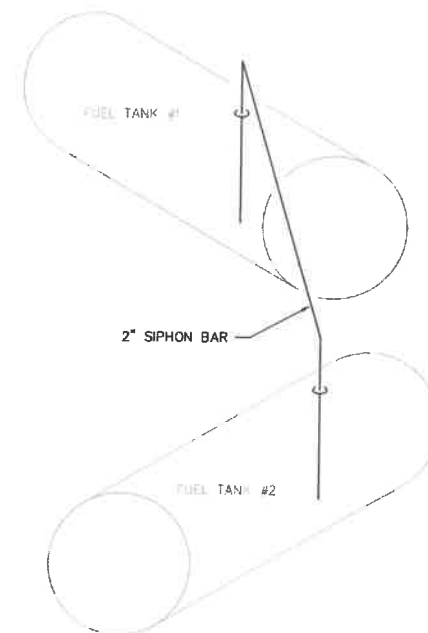
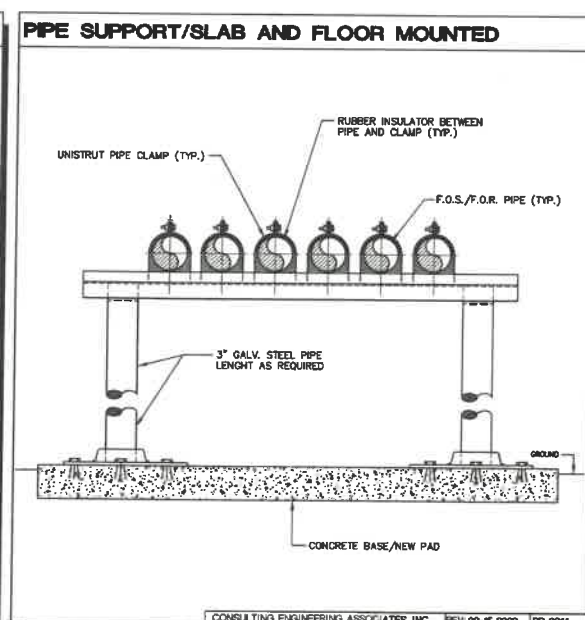
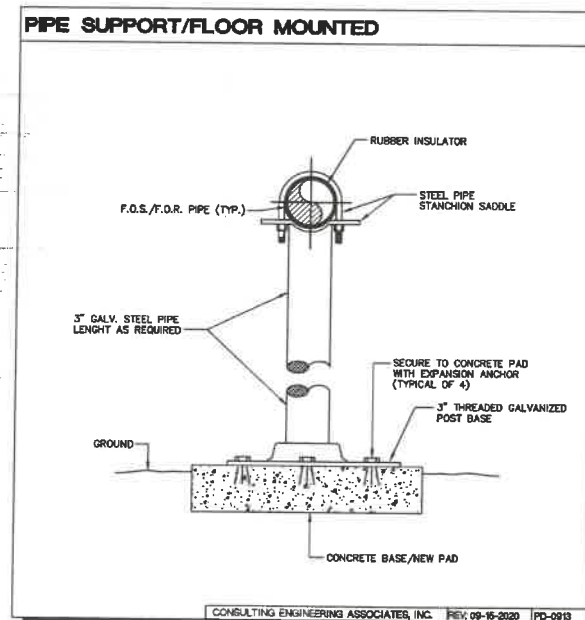
COMM NO: 20029

SHEET NO.:

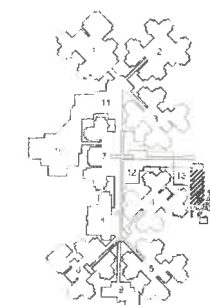
P-101



PLUMBING ISOMETRIC DIAGRAM
SCALE: NOT TO SCALE



SIPHON BAR ISOMETRIC DIAGRAM
SCALE: NOT TO SCALE



KEY PLAN
SCALE: NOT TO SCALE



CONSULTING ENGINEERING ASSOCIATES

8365 GUNN HIGHWAY
TAMPA, FLORIDA 33626
(813) 448-0225
FAX (813) 448-0226
REGISTRY 3962

Mechanical
Plumbing Fire Protection

SEAL: John William Wells, III
2021.03.19
08:50:09-04'00'
2021.001.20145
SIGNATURE DATE
JOHN W. WELLS, III, PE
PE 0049347

PROJECT : ORIENT ROAD JAIL
DIESEL GENERATOR TANK REPLACEMENT

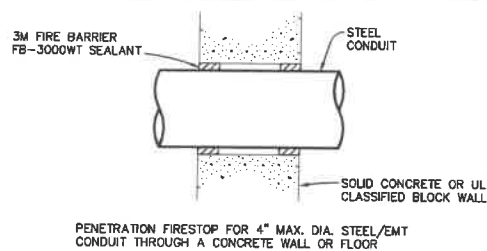
LOCATION : 1201 ORIENT ROAD,
Tampa, FL 33619

REVISIONS		
△		
△		
△		
delta	date	revision

SHEET TITLE :
PLUMBING
ISOMETRIC DIAGRAM
AND DETAILS

DRAWN BY: ML
DATE: 09/30/2020
COMM. NO. 20029

SHEET NO. :
P-102



SYSTEM DETAILS

1. SYSTEM JUSTIFICATION: UL THROUGH-PENETRATION FIRESTOP SYSTEM NO. C-AJ-1044.
2. ASSEMBLY: MINIMUM THICKNESS OF SOLID CONCRETE WALL IS 5-1/2" OR MAY BE CONSTRUCTED OF ANY UL CLASSIFIED BLOCK WALLS.
3. RATINGS: F - 4 HR., T - 0 HR., W - CLASS I
4. PENETRATING ITEM(S): NOMINAL 4" DIAMETER (OR SMALLER) STEEL/EMT. CONDUIT. CONDUIT SHALL BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL OR FLOOR ASSEMBLY.

APPLICATION DETAILS

1. INSTALL THE FIRESTOP SYMMETRICALLY ON BOTH SIDES OF THE WALL ASSEMBLY.
2. MINIMUM ANNULAR SPACE IS 1/4". MAXIMUM ANNULAR SPACE ALLOWABLE IS 1 3/8".
3. APPLIED TO FILL THE ANNULAR SPACE FLUSH WITH TOP SURFACE OF FLOOR. IN WALL ASSEMBLIES, REQUIRED CAULK THICKNESS TO BE INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL, FLUSH WITH WALL SURFACE. AT POINT CONTACT LOCATION BETWEEN PENETRANT AND SLEEVE OR BETWEEN PENETRANT AND CONCRETE, A MIN 1/4 IN. (6 MM) DIAM BEAD OF CAULK SHALL BE APPLIED AT TOP SURFACE OF FLOOR AND AT BOTH SURFACES OF WALL.
4. MIN 1 IN. (25 MM) THICKNESS OF MINERAL WOOL BATT INSULATION REQUIRED IN ANNULAR SPACE ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. MIN 1 IN. (25 MM) THICKNESS OF CAULK TO BE INSTALLED FLUSH WITH EACH SURFACE OF FLOOR OR WALL ASSEMBLY.

FIRE RATED CONDUIT PENETRATION DETAIL

NTS

GENERAL DEMOLITION NOTES

1. EXIST'G. EQUIPMENT, DEVICES, DISCS., RECEPTACLES, ETC. (NOT SPECIFICALLY REFERENCED AS "TO BE REMOVED") SHALL REMAIN AS IS.
2. CONTRACTOR SHALL VERIFY SIZE AND LOCATION OF ALL EXISTING AND PROPOSED EQUIPMENT IN THE FIELD PRIOR TO INSTALLATION OF CONDUIT.
3. RE-ESTABLISH SERVICE TO ALL J-BOXES, RECEPTS. OUTLETS, ETC. THAT MAY BE INTERRUPTED BECAUSE OF THE WORK.
4. PROVIDE ALL MATERIALS REQUIRED TO REROUTE, RELOCATED, REMOVE OR REINSTALL ALL ITEMS DESCRIBED.
5. RETAIN ALL MATERIALS BEING REMOVED AND NOTIFY OWNER, FOR HIS DIRECTION, AS TO WHAT MATERIALS TO BE SAVED.
6. EXISTING EQUIP. NOT TO BE REMOVED, THAT IS DAMAGED BY THE CONTRACTOR DURING THE CONSTRUCTION PROCESS, SHALL BE REPLACED AT NO ADD'L. COST TO THE OWNER.
7. THE CONTRACTOR SHALL WORK AT THE CONVENIENCE OF THE HCSO SO AS NOT TO DISRUPT DAILY ACTIVITIES AND INCONVENIENCE PERSONNEL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SCHEDULE WORK PROCEDURES THAT ARE NOISY, CREATE ODORIFEROUS FUMES, OR PRODUCE A CONDITION THAT WILL BE DISRUPTIVE, AT A TIME PRIOR SCHEDULED WITH THE HCSO. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE JAIL'S DAILY SCHEDULE AND USE THAT AS A GUIDELINE FOR PLANNING DISRUPTIVE WORK PROCEDURES. LIFE SAFETY SYSTEMS SHALL REMAIN TOTALLY OPERATIONAL AT ALL TIMES.

PROJECT PHASING NOTES

1. THE CONSTRUCTION PHASING OF THIS PROJECT IS OF THE UTMOST IMPORTANCE. ALL SERVICE INTERRUPTIONS ESSENTIAL TO THE WORK SHALL BE SCHEDULED WITH THE HCSO (7) DAYS IN ADVANCE. COORDINATE ALL WORK TO ALLOW THE COMPLETION OF THE TASK(S) WITH THE MINIMUM INTERFERENCE TO HCSO OPERATIONS.
2. THE CONTRACTOR SHALL PROVIDE AND UPDATE AS NEEDED A PHASING SCHEDULE FOR THIS PROJECT. THIS SCHEDULE SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER AND THE HCSO.

ELECTRICAL GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NEC 2014, THE CITY OF TAMPA ELECTRICAL CODE AND ANY OTHER APPLICABLE LOCAL ORDINANCES.
2. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS NECESSARY TO DELIVER A COMPLETE PROJECT AS REASONABLY IMPLIED IN THESE DOCUMENTS.
3. ALL WORK SHALL BE SCHEDULED WITH THE HCSO TO MINIMIZE DISRUPTION OF THE ONGOING JAIL OPERATIONS.
4. PROPOSED CONDUIT & CABLE ROUTINGS SHALL BE COORDINATED WITH EXISTING CONDITIONS PRIOR TO THE START OF INSTALLATION.
5. ELECTRICAL PANELS SHALL NOT BE USED AS RACEWAYS.
6. CONDUIT PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED USING 0.2"/CODEY TYPE FIRE SEALS OR "APPROVED" FIRE SAFING COMPOUND.
7. REFER TO MANUFACTURER DWG FOR EXACT LOCATION OF CONDUIT ENTRIES.
8. COORD. ROUTING WITH EXIST'G. U/G PIPING, ETC. PRIOR TO THEIR INSTALLATION.
9. MINIMUM SIZE POWER CONDUCTOR SHALL BE #12 AWG.. ALL CONDUCTORS SHALL BE "STRANDED" TYPE.
10. CONTRACTOR SHALL VERIFY SIZE AND LOCATION OF ALL EQUIPMENT IN THE FIELD PRIOR TO INSTALLATION OF CONDUITS.
11. ALL ELECTRICAL EQUIPMENT IS SHOWN DIAGRAMMATICALLY. EXACT LOCATIONS ARE TO BE DETERMINED IN THE FIELD TO AVOID INTERFERENCES.
12. PROVIDE GROUND CONDUCTORS W/1 ALL RACEWAYS.
13. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE VERIFIED EXISTING JOB SITE CONDITIONS DURING THE BIDDING PERIOD SO HE WILL HAVE OBTAINED THE SCOPE OF ELECTRICAL WORK INVOLVED.
14. THE CONTINUITY OF THE EQUIPMENT GROUNDS, NEUTRALS AND HOT LEGS SHALL NOT BE INTERRUPTED BY THE WORK.
15. ALL EXPOSED EXTERIOR CONDUITS SHALL BE HEAVY WALL, RIGID GALVANIZED STEEL TYPE.
16. ALL EXPOSED CONDUIT SHALL BE ROUTED PARALLEL & PERPENDICULAR TO STRUCTURAL ELEMENTS.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ENGRAVED "PLASTIC LAMINATE" NAME PLATES ON ALL PROPOSED PANELS & BRKRS. NAME PLATES SHALL BE WHITE WITH BLACK CORE, 2"x4" AND 1/4" HIGH BLOCK LETTERING, INDICATING THE DESCRIPTION, VOLTAGE AND SOURCE.
18. LOCKOUT/TAGOUT PROCEDURES SHALL BE PROVIDED IN CONFORMANCE WITH THE LATEST APPLICABLE EDITION OF OSHA STANDARD 1-7.3-29CFR 1910.47 AND NFPA 70E.
19. WORKPLACE SAFETY REGULATIONS SHALL BE INSTITUTED TO HEIGHTEN THE AWARENESS OF HAZARDS ASSOCIATED WITH ELECTRICAL ARCS. WORKERS SHALL BE PROPERLY PROTECTED BEFORE ENTERING PROXIMITY TO EXPOSED ENERGIZED CONDUCTORS. THE CONTRACTOR SHALL COMPLY WITH THE LATEST EDITION OF NFPA 70E-STANDARD FOR ELECTRICAL SAFETY REQUIREMENTS FOR EMPLOYEE WORKPLACES.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
①	JUNCTION BOX - SIZED PER N.E.C.
---	CONDUIT CONCEALED ABOVE CLG. OR IN WALL SPACE
---	CONDUIT IN SLAB OR UNDERGROUND
---	CONDUIT EXPOSED
120V., 1 PHASE, CIRCUIT HOMERUN FROM 1 POLE BRKR.	
///	SLASH MARKS DENOTE NUMBER OF WIRES; LONG-NEUTRAL; X-GROUND. NO SLASHES IDENTIFIES 3-#12, 1/2"C.
■	BRANCH CIRCUIT PANELBOARD, TOP @ 6"-0" A.F.F.
○	CONDUIT ROUTED UP
●	CONDUIT ROUTED DOWN
A.F.F.	ABOVE FINISHED FLOOR
A.I.C.	AMPS INTERRUPTING CAPACITY
AL	ALUMINUM
A.W.G.	AMERICAN WIRE GAUGE
C.	CONDUIT
CU.	COPPER
E.M.T.	ELECTRICAL METALLIC TUBING
EX.	EXISTING
F.L.A.	FULL LOAD AMPS
GRND.	GROUND
J.B.	JUNCTION BOX
U/G	UNDERGROUND
U.O.N.	UNLESS OTHERWISE NOTED
W/	WITH
W/1	WITH-IN
W.P.	WEATHERPROOF
SPD	SURGE PROTECTION DEVICE
BFG	BELOW FINISHED GROUND
RGSC	RIGID GALVANIZED STEEL CONDUIT

ELECTRICAL DRAWING INDEX

- | | |
|-------|-------------------------------------------|
| E-001 | ELECTRICAL GENERAL NOTES & DETAILS |
| E-101 | SITE PLAN - ELECTRICAL |
| E-102 | FUEL SYSTEM CONTROL WIRING |
| E-103 | FUEL STORAGE TANKS - LIGHTNING PROTECTION |
| E-201 | FUEL TANK ELEVATIONS |

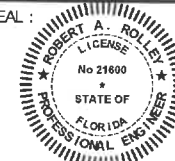


CONSULTING ENGINEERING ASSOCIATES

8365 GUNN HIGHWAY
TAMPA, FLORIDA 33626
(813) 448-0225
FAX (813) 448-0226
REGISTRY 3962

Mechanical
Plumbing Fire Protection

SEAL :



PROJECT :
**ORIENT ROAD JAIL
DIESEL GENERATOR TANK REPLACEMENT**

LOCATION :

**1201 ORIENT ROAD,
Tampa, FL 33619**

REVISIONS

△		
△		
△		
delta	date	revision

SHEET TITLE :

**ELECTRICAL
GENERAL NOTES &
DETAILS**

DRAWN BY: RAR

DATE 09/30/2020

COMM. NO. 20029

SHEET NO. :

E-001

Digitally signed
by Robert A. Rolley
Date: 2021.03.23
12:04:48 -0400



This item has been electronically signed
and sealed by Robert A. Rolley, P.E. on
the date indicated in the Certificate using
a Digital Signature. Printed copies of
this document are not considered signed
and sealed and the signature must be
verified on any electronic copies.

ROLLEY ENGINEERING INC.
Certificate Of Authorization Number #0092
7750 W. Hillcrest Avenue, Tampa, Florida, 33615
TELEPHONE: (813) 888-0835 FAX: 888-9521
Robert Andrew Rolley, Florida P.E. #21680