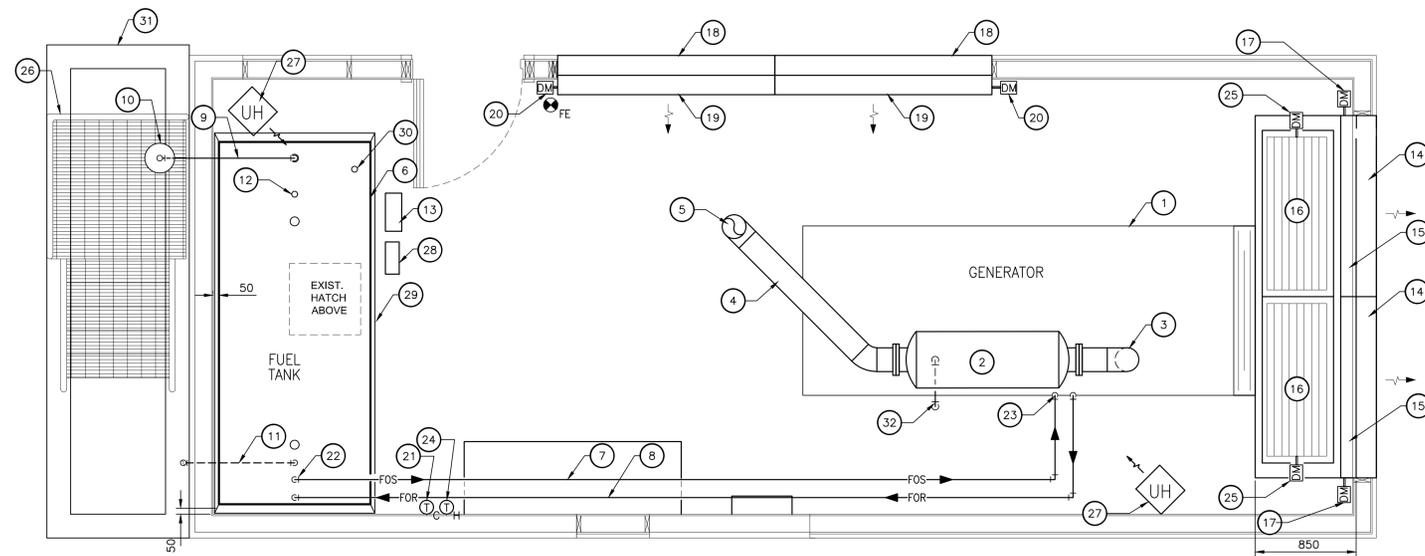


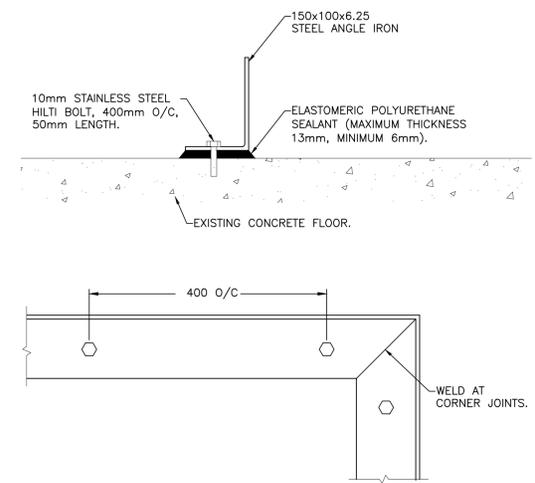
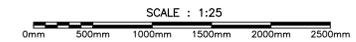
NOTES:
1. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE BEFORE PROCEEDING WITH ANY PORTION OF THIS WORK. DO NOT SCALE FROM DRAWINGS.

- REVISED DRAWING NOTES:
- 1 500KW DIESEL GENERATOR. SUPPLIED AND INSTALLED BY ELECTRICAL. COORDINATE INSTALLATION FOR MECHANICAL CONNECTIONS.
 - 2 ENGINE SILENCER. SUPPLIED BY ELECTRICAL AND INSTALLED BY MECHANICAL. INSULATE SILENCER PER SPECIFICATIONS.
 - 3 WELDED EXHAUST PIPING DOWN TO ENGINE AND CONNECT TO FLEXIBLE CONNECTOR COMPLETE WITH FLANGES AND GASKETS. PIPE SIZE TO MATCH SILENCER. FLEXIBLE CONNECTOR SUPPLIED BY ELECTRICAL AND INSTALLED BY MECHANICAL. INSULATE EXHAUST PIPING PER SPECIFICATIONS.
 - 4 200mmØ WELDED EXHAUST PIPING FROM SILENCER COMPLETE WITH FLANGES AND GASKETS. INSULATE EXHAUST PIPING PER SPECIFICATIONS.
 - 5 WELDED EXHAUST PIPING UP THROUGH ROOF WITH ROOF THIMBLE. INSULATE PIPING UP TO THIMBLE. THIMBLE TO MATCH ROOF SLOPE. MECHANICAL TO SUPPLY AND INSTALL THIMBLE. COORDINATE WITH ROOFING CONTRACTOR.
 - 6 3,800L FUEL OIL TANK. LOCATE WITH 50mm CLEARANCE TO END AND SIDE OF TANK.
 - 7 19mm FUEL OIL SUPPLY PIPE RUN BELOW CEILING. REDUCE TO 12mm AT GENERATOR FLEXIBLE CONNECTION. PROVIDE FUSIBLE FIRE SAFETY VALVE AND SHUTOFF VALVE AT GENERATOR.
 - 8 12mm FUEL OIL RETURN PIPING RUN BELOW CEILING. CONNECT TO FLEXIBLE CONNECTION AT GENERATOR.
 - 9 65mm FILL PIPING. WEATHER SEAL PIPE PENETRATION AT BUILDING EXTERIOR WALL.
 - 10 SPILL RECEPTACLE WITH LID AND LOCK. SUPPORT HORIZONTAL FILL PIPING FROM BUILDING STRUCTURE.
 - 11 50mm VENT PIPE. WEATHER SEAL PIPE PENETRATION AT BUILDING EXTERIOR WALL. PROVIDE WHISTLE AT VENT TERMINATION.
 - 12 TANK LEVEL PROBE. WIRE TO TANK LEVEL MONITOR LOCATED IN GENERATOR ROOM.
 - 13 ELECTRONIC TANK LEVEL MONITOR. REFER TO SPECIFICATIONS. MOUNT ON UNI-STRUT STAND.
 - 14 1500x1500 - 150mm DEEP STORMPROOF LOUVRE WITH ALUMINUM BIRDSCREEN. WEATHER SEAL TO BUILDING.
 - 15 1500x1500 INSULATED ALUMINUM OPPOSED BLADE CONTROL DAMPER FLANGED TO LOUVRE OPENING.
 - 16 1400x600 OPPOSED BLADE CONTROL DAMPER FLANGED TO TOP OF EXHAUST PLENUM.
 - 17 ELECTRONIC DAMPER ACTUATOR WITH SPRING RETURN AND ANALOG INPUT FOR MODULATING OPERATION, 180 INLB TORQUE. INSTALL FOR NORMALLY CLOSED POSITION.
 - 18 1800x1500 -150mm DEEP STORMPROOF LOUVER WITH ALUMINUM BIRDSCREEN. WEATHER SEAL TO BUILDING.
 - 19 1800x1500 INSULATED ALUMINUM OPPOSED BLADE CONTROL DAMPER FLANGED TO LOUVRE OPENING.
 - 20 TWO POSITION ELECTRONIC DAMPER ACTUATOR WITH SPRING RETURN, 270 INLB TORQUE. INSTALL TO CLOSE ON POWER ON/OPEN ON POWER FAIL.
 - 21 THERMOSTAT TO CONTROL GENERATOR DAMPER OPERATION. REFER TO CONTROL SCHEMATIC.
 - 22 ANTI-SIPHON VALVE AT TANK OUTLET.
 - 23 FUEL OIL SUPPLY/RETURN PIPING DOWN. PROVIDE UNISTRUT SUPPORT FROM FLOOR TO CEILING.
 - 24 HEATING THERMOSTAT, LOW VOLTAGE, NON PROGRAMMABLE.
 - 25 ELECTRONIC DAMPER ACTUATOR WITH SPRING RETURN AND ANALOG INPUT FOR MODULATING OPERATION, 90 INLB TORQUE. INSTALL FOR NORMALLY OPEN POSITION.
 - 26 PRE-FABRICATED GALVANIZED ACCESS LANDING WITH STAIR AND HANDRAILS. PLATFORM 1219mm X 1219mm AND 914mm LANDING HEIGHT. TOP RAIL 900-1070mm, MID RAIL, 100mm TOE BOARD. ATTACH TO CONCRETE PAD AT GROUND LEVEL.
 - 27 ELECTRIC UNIT HEATER. REFER TO HEATER SCHEDULE.
 - 28 EMCS CONTROL PANEL WITH WIRELESS COMMUNICATION TO INTEGRATE WITH SITE EMCS. REFER TO DETAIL ON M03. MOUNT ON UNI-STRUT STAND.
 - 29 3200x1350 TANK LIQUID TIGHT SILL FASTENED TO FLOOR FABRICATED FROM 150x100x6.25 STEEL ANGLE AND PAINTED SAFETY YELLOW. SEE DETAIL THIS SHEET FOR SEALING AND FASTENING DETAILS.
 - 30 ROOM LEAK DETECTION SENSOR. WIRE SENSOR TO TANK LEVEL MONITORING PANEL. REFER TO DETAIL ON DWG M03.
 - 31 PETROLEUM TRANSFER AREA CONTAINMENT STRUCTURE BY STRUCTURAL.
 - 32 EXHAUST DRAIN PIPE, SCH 40 STEEL, WITH SHUT-OFF VALVE AT TERMINATION POINT 900mm AFF. COORDINATE LOCATION SO NOT TO INTERFERE WITH GENERATOR MAINTENANCE/SERVICING.



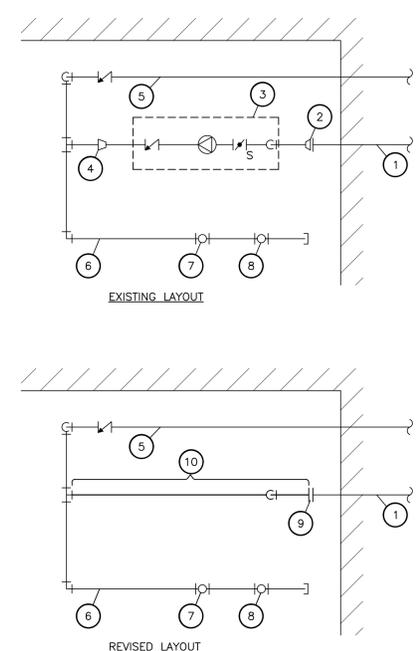
GENERATOR BUILDING REVISED LAYOUT

SCALE: 1:25



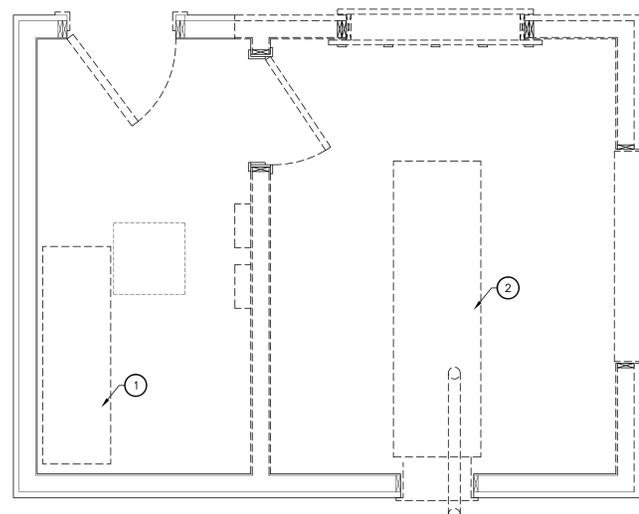
FUEL TANK LIQUID TIGHT SILL DETAIL

SCALE: 1:5



MAIN HOUSE FIRE WATER REVISIONS

SCALE: NTS

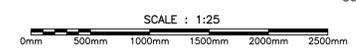


GENERATOR BUILDING DEMOLITION LAYOUT

SCALE: 1:25



- DEMOLITION DRAWING NOTES:
- 1 EXISTING DIESEL FUEL TANK AND TRANSFER PIPING. TRANSFER REMAINING DIESEL PRODUCT TO NEW TANK. TEMPORARILY STORE AS REQUIRED. REMAINING WATER/SLUDGE/PRODUCT FROM BASE OF TANK AND FUEL SUPPLY PIPING TO BE PROPERLY REMOVED AND DISPOSED OF. TANK AND FUEL PIPING TO BE CLEANED AND CERTIFIED GAS FREE PRIOR TO REMOVING FROM SITE AND DISPOSING OF. COMPLETE NECESSARY FORMS FOR TANK REMOVAL FROM SERVICE.
 - 2 EXISTING DIESEL GENERATOR. ASSIST IN DEMOLITION OF GENERATOR SYSTEM INCLUDING DISCONNECTION OF FUEL LINES, EXHAUST SYSTEM, AND REMOVAL OF VENTILATION CONTROLS, DAMPER ACTUATORS, DAMPERS, AND LOUVRES. PROPERLY DISPOSE OF EQUIPMENT AND MATERIALS.



The Association of Professional Engineers and Technicians of Prince Edward Island
C. J. Ruddick
No. 1459
DATE: JAN. 20, 2020
LICENSED PROFESSIONAL ENGINEER
Province of Prince Edward Island

0	ISSUED FOR TENDER	01.20.2020
revisions		date

project GREEN GABLES-PHASE 4 FIRE PROTECTION SYSTEM AND EMERGENCY POWER QUEENS CO., PEI

MECHANICAL DEMOLITION AND REVISED GENERATOR SHED AND MAIN HOUSE LAYOUTS

designed P.S	conçu
date NOV-2019	
drawn J.S.J	dessiné
date NOV-2019	
approved	approuvé
date	
Tender	Soumission

PWSC Project Manager / Administrateur de projets TPSCC
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