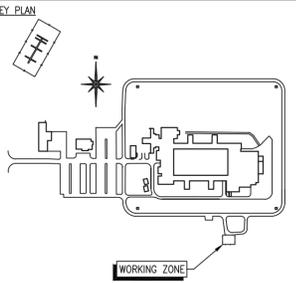


NOT FOR CONSTRUCTION



**DESSAU**  
Dessau inc.  
4530, 50th Avenue SE  
Calgary (Alberta) T2B 3R4  
T 403.255.3273  
F 403.256.8825  
project number: P4600244

DO NOT SCALE DRAWINGS

| Revision/Revision | Description/Description | Date/Date |
|-------------------|-------------------------|-----------|
| 00                | FOR TENDER              | 14/07/17  |
| 0B                | PRELIMINARY 90%         | 14/05/30  |
| 0A                | PRELIMINARY 50%         | 14/05/16  |

Client/client  
**EDMONTON  
MAXIMUM SECURITY  
INSTITUTION**  
2611 MERIDIAN STREET  
EDMONTON, ALBERTA

Project title/Titre du projet  
**EDMONTON, ALBERTA  
2611 MERIDIAN STREET  
EMSI**

**PUMPHOUSE - FLOWMETER  
AND DIESEL STORAGE TANK  
REPLACEMENT**

Approved by/Approuvé par  
Louis-Stéphane Racicot, p. eng.

Designed by/Concept par  
Marc-Olivier Lacoursière, p. eng.

Drawn by/Dessiné par  
Martin Aubut

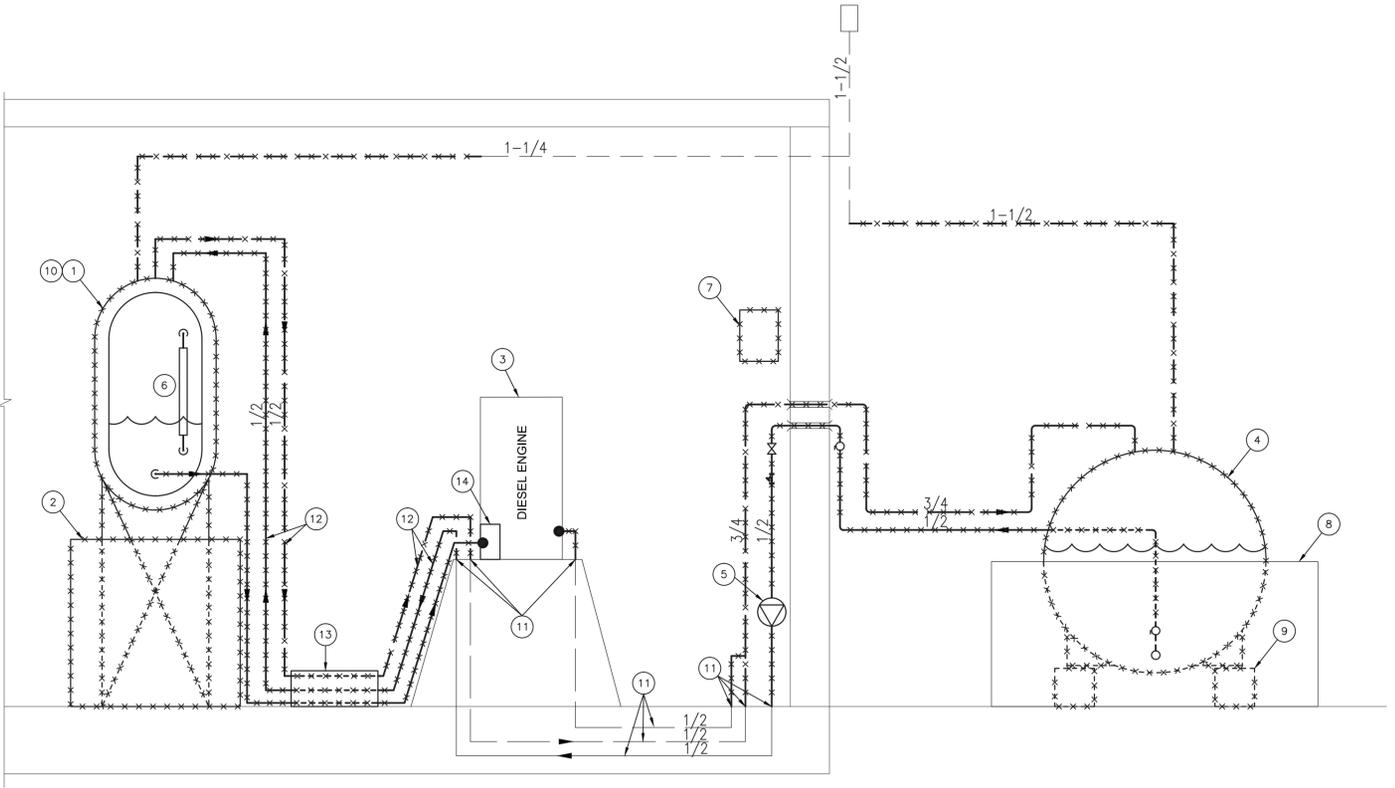
PWGSC Project Manager/Administrateur de Projets TPSCG  
Yvon Labrecque

PWGSC, Architectural and Engineering Resources Manager/  
Ressources Architectural et de Directeur d'ingénierie, TPSCG

Client/client  
-

Drawing title/Titre du dessin  
**FUEL DIAGRAM  
DEMOLITION - NEW LAYOUT**

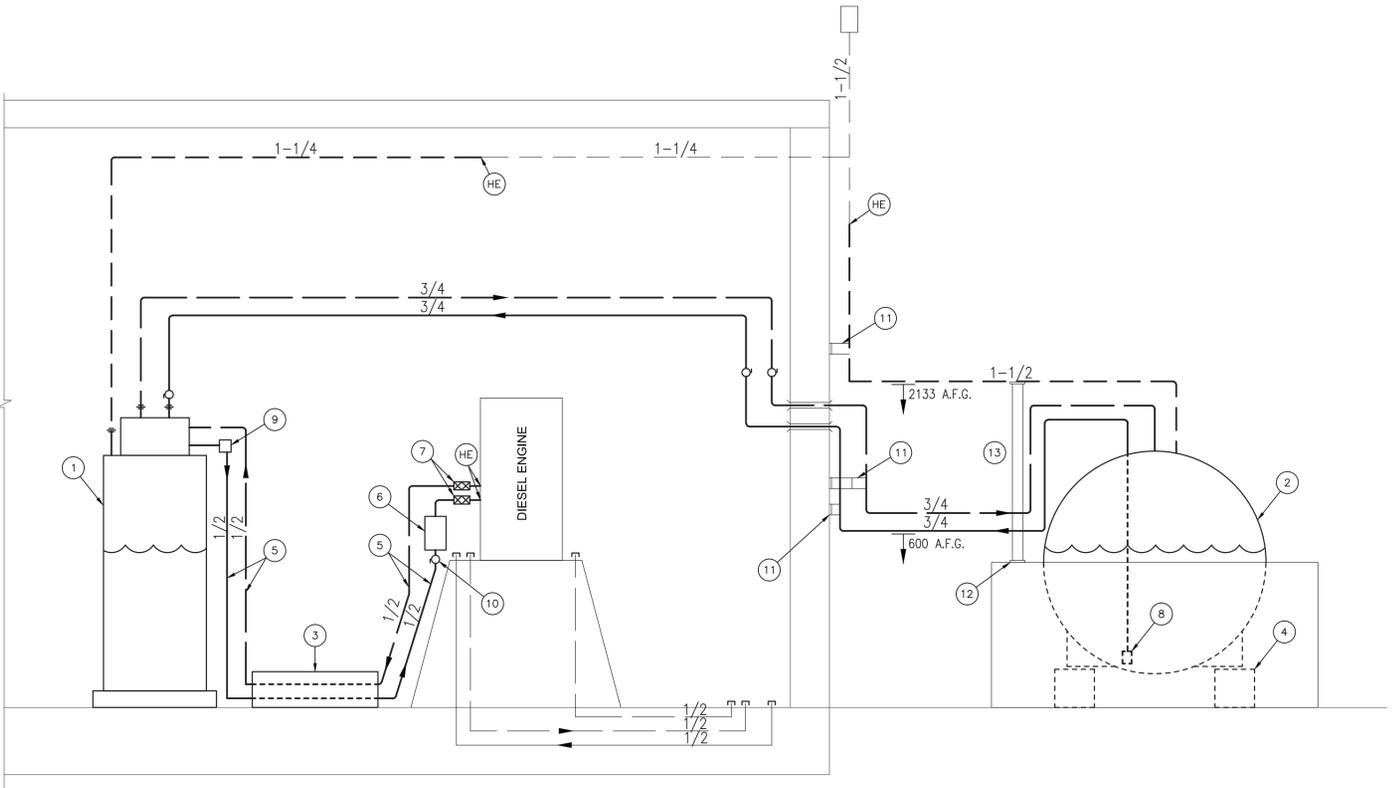
|   |                                     |  |
|---|-------------------------------------|--|
| Project No./No. du projet<br><b>R069549.001</b> | Sheet/Fauille<br><b>H04</b><br>OF 4 | Revision no./<br>La Révision<br>no.<br><b>00</b> |
|---|-------------------------------------|--|



EXISTING DIESEL FUEL DIAGRAM



- EXISTING FUEL DIAGRAM NOTES:
- EXISTING SINGLE WALL DIESEL TANK 1000L CAPACITY, 1800mm LONGx1200mm HIGHx600mm WIDE ON 1200 HIGH CRADLE LEGS TO BE REMOVED.
  - EXISTING RETAINING TANK 2150mmx900mmx600mm HIGH TO BE REMOVED.
  - DIESEL MOTOR FOR FIRE PUMP MOUNTED ON POURED CONCRETE BASE TO REMAIN.
  - EXISTING SINGLE WALL DIESEL TANK 2400L, 1150mmx2150mm LENGTH TO BE REMOVED.
  - EXISTING ELECTRIC FUEL PUMP C/W BASSIN AND ACCESSORIES, 1/8HP, 115/1/60, 45L/H @ 344 KPa TO BE REMOVED.
  - EXISTING FUEL LEVEL CONTROL TO BE REMOVED.
  - EXISTING PUMP STARTER/CONTROL TO BE REMOVED.
  - EXISTING CONCRETE RETAINING TANK, 4325mmx5175mmx600mm HIGH TO REMAIN.
  - EXISTING CONCRETE CURBS 200mmx200mmx2400mm TO BE REMOVED.
  - EXISTING SINGLE WALL DIESEL TANK AND RETAINING TANK TO REMAIN DURING THE DEMOLITION WORK TO SUPPLY FUEL TO MOTOR. REMOVE THE EXISTING TANK AND RETAINING TANK ONCE THE NEW DAY TANK IS INSTALLED AND PIPED TO MOTOR.
  - EXISTING FUEL PIPING EMBEDDED IN SLAB TO REMAIN. PURGE AND CAP ABOVE SLAB AND MOTOR CURB.
  - SUPPLY AND RETURN FUEL LINES FROM TANK TO ENGINE TO BE REMOVED ONCE THE NEW DAY TANK IS INSTALLED AND HOOK-UP TO ENGINE.
  - PROTECTIVE PLATE TO BE REMOVED ONCE NEW DAY TANK IS HOOK UP.
  - EXISTING WATER ELIMINATOR TUBE. REINSTALLED ON NEW INSTALLATION.



NEW LAYOUT DIESEL FUEL DIAGRAM



- PROPOSED FUEL DIAGRAM NOTES:
- NEW DOUBLE WALL DAY TANK C/W DUPLEXE PUMPS, CONTROLLER/MONITOR. 227 L. CAPACITY. 7.57L/MIN PUMPS, 1/3 HP, 115/1/60, SINGLE POINT ELECTRICAL HOOK-UP.
  - NEW EXTERIOR DOUBLE WALL FUEL STORAGE TANK, 2208 L. CAPACITY, 1245mmx1829mm LENGTH
  - FLOOR PROTECTION PLATE FOR PIPING, MADE OF ALUMINIUM.
  - NEW CONCRETE CURBS 200mmx200mmx2400mm
  - SOFT COOPER TYPE "K" WITH FLAIR COMPRESSION JOINTS. POLYETHYLENE JACKET FOR PROTECTION.
  - EXISTING WATER ELIMINATOR TO BE REINSTALLED.
  - FLEXIBLE PIPING FOR ENGINE HOOK-UP.
  - FOOT VALVE.
  - ANTI SYPHON VALVE ADJUSTED AT 12 kPa.
  - FUSIBLE LINK VALVE
  - WALL SUPPORT
  - SUPPORT MOUNTED ON RETAINING WALL
  - VERTICAL PIPE SUPPORT