





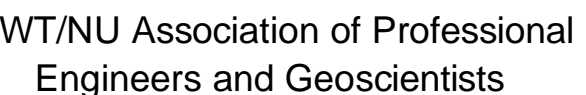


2 MOTOR SCHEDULE  
E2 N.T.S.

3  
E2

4 LOAD SUMMARY  
E2 N.T.S.

- 1 PROVIDE 4 10PE COATED MINERAL INSULATED HEAT TRACE CABLES. PEN-TAIR D/32HE3200/230/942/208/207/0/12. PROVIDE PROPER SUPPORT AS PER MANUFACTURERS RECOMMENDATIONS TO FIX THE HEAT TRACE CABLE TO THE PIPE.
- 2 PROVIDE TWO 920 CONTROLLERS WITH SUPPLY MODULES TO SUPPORT UP TO 3 MI HEAT TRACE CABLES AT ONE TIME. CONNECT CONTROLLERS TO THREE FEMALE 15A TWIST LOCK RECEPTACLES. THE CONTROLLERS ARE TO BE ABLE TO ANNUNCIATE AN ALARM IN THE EVENT OF A CABLE FAULT.
- 3 PROVIDE TWO RTD THERMISTORS TO BE INSTALLED 40M DOWN THE PIPE. THERMISTORS ARE TO BE TIED INTO THE CONTROLLER.
- 4 DO NOT CONNECT THE BOND BETWEEN THE NEUTRAL CONDUCTOR AND GROUND AT THE GENERATOR. NEUTRAL AND GROUND TO REMAIN UNCONNECTED.



NOTES: GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS  
WITH FINAL ARCHITECTURAL AND MECHANICAL DRAWINGS.  
NOTIFY THE ENGINEERS OF ANY ERRORS AND /OR  
OMISSIONS PRIOR TO CONSTRUCTION FOR DIRECTION.  
DO NOT SCALE THIS DRAWING.

1	ISSUED FOR CONSTRUCTION	2016/05/13	BPA	G.G.
No.	DESCRIPTION	DATE	BY	APP'D
R E V I S I O N S				

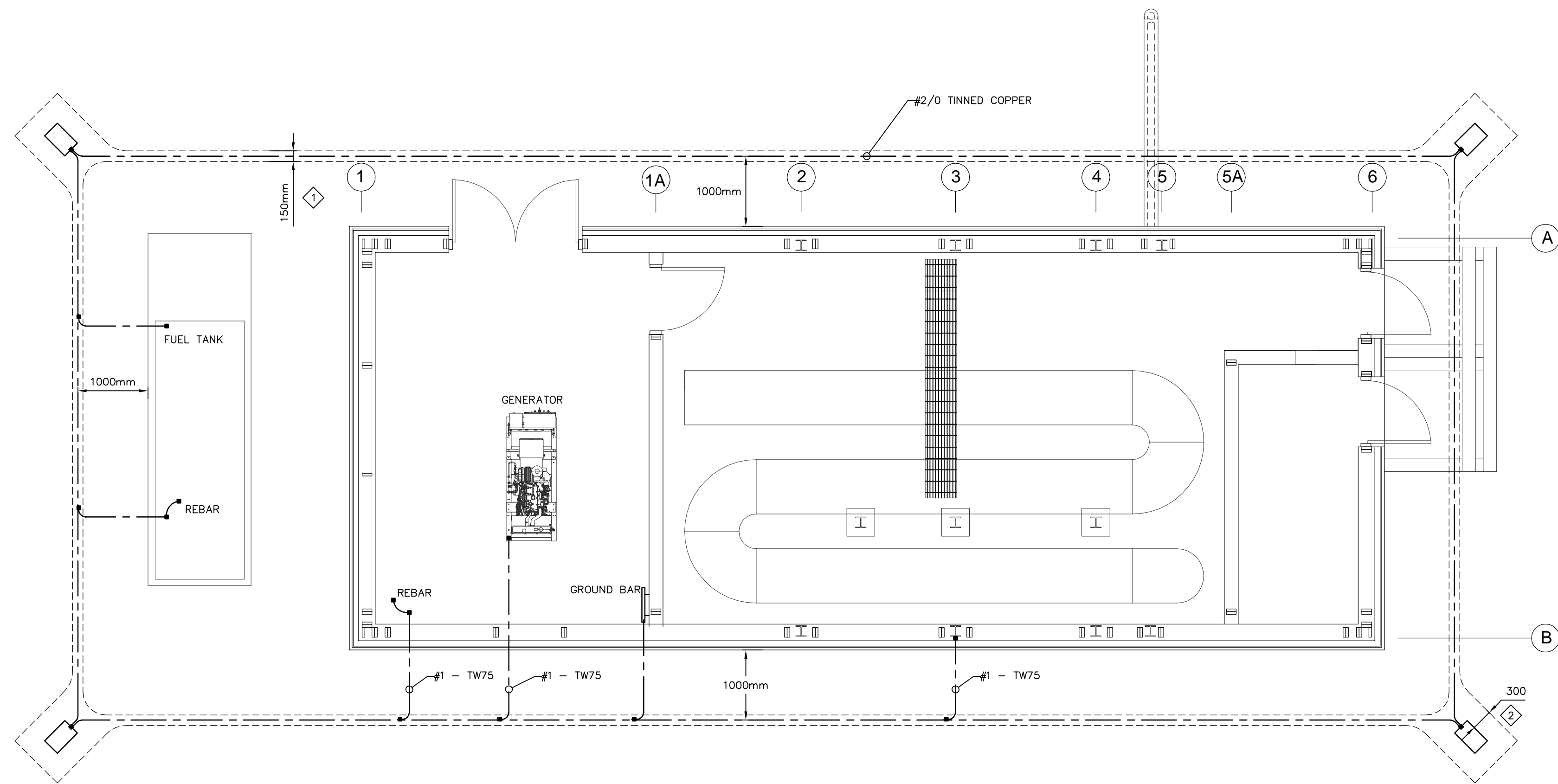
Consulting Engineers



design by	A. WADDELL	project no.	8011-116
drawn by	M. STEVENSON	drawing no.	E2
checked by	G. GODIN		
date	NOVEMBER 2015		
	AS SHOWN		

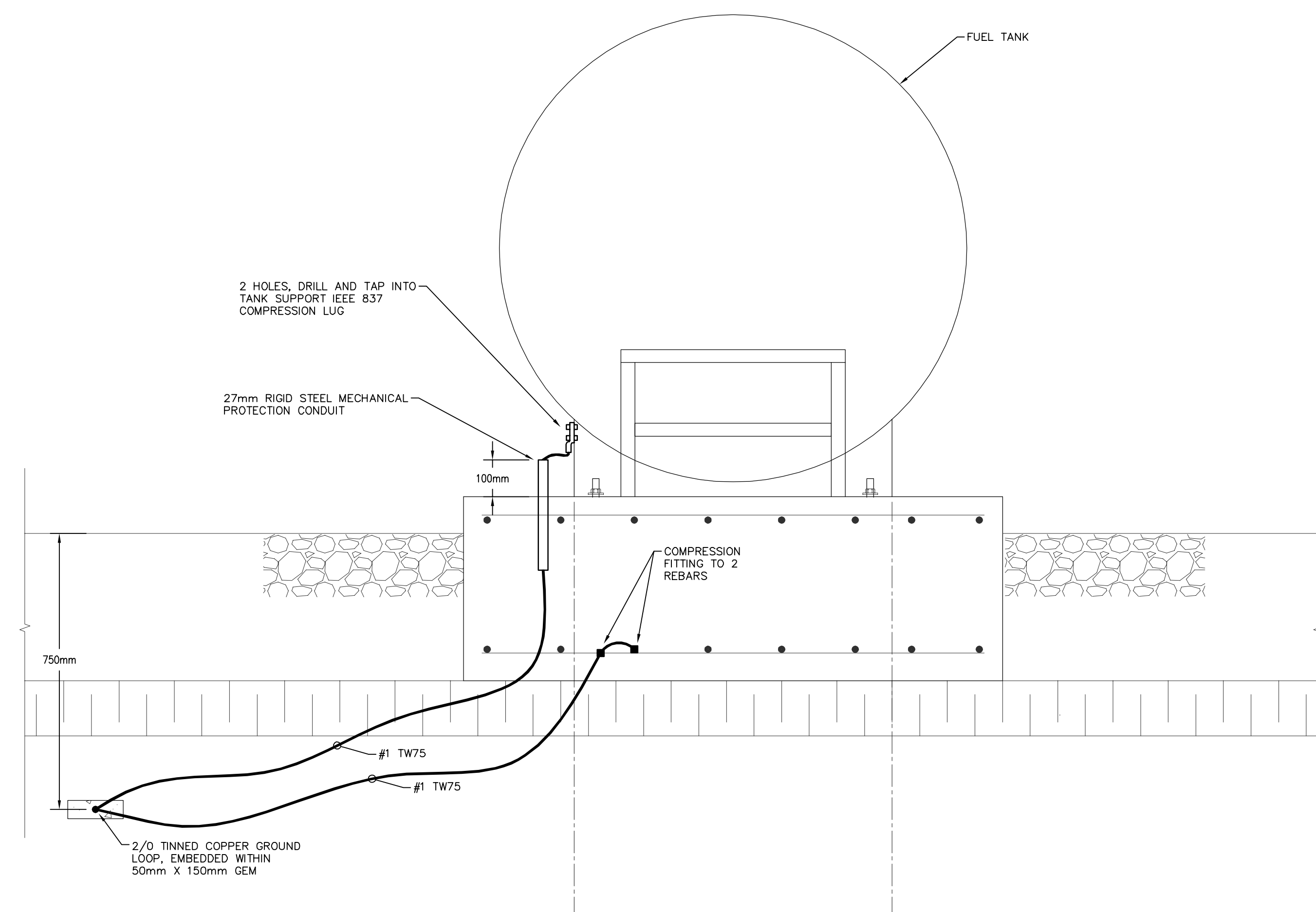




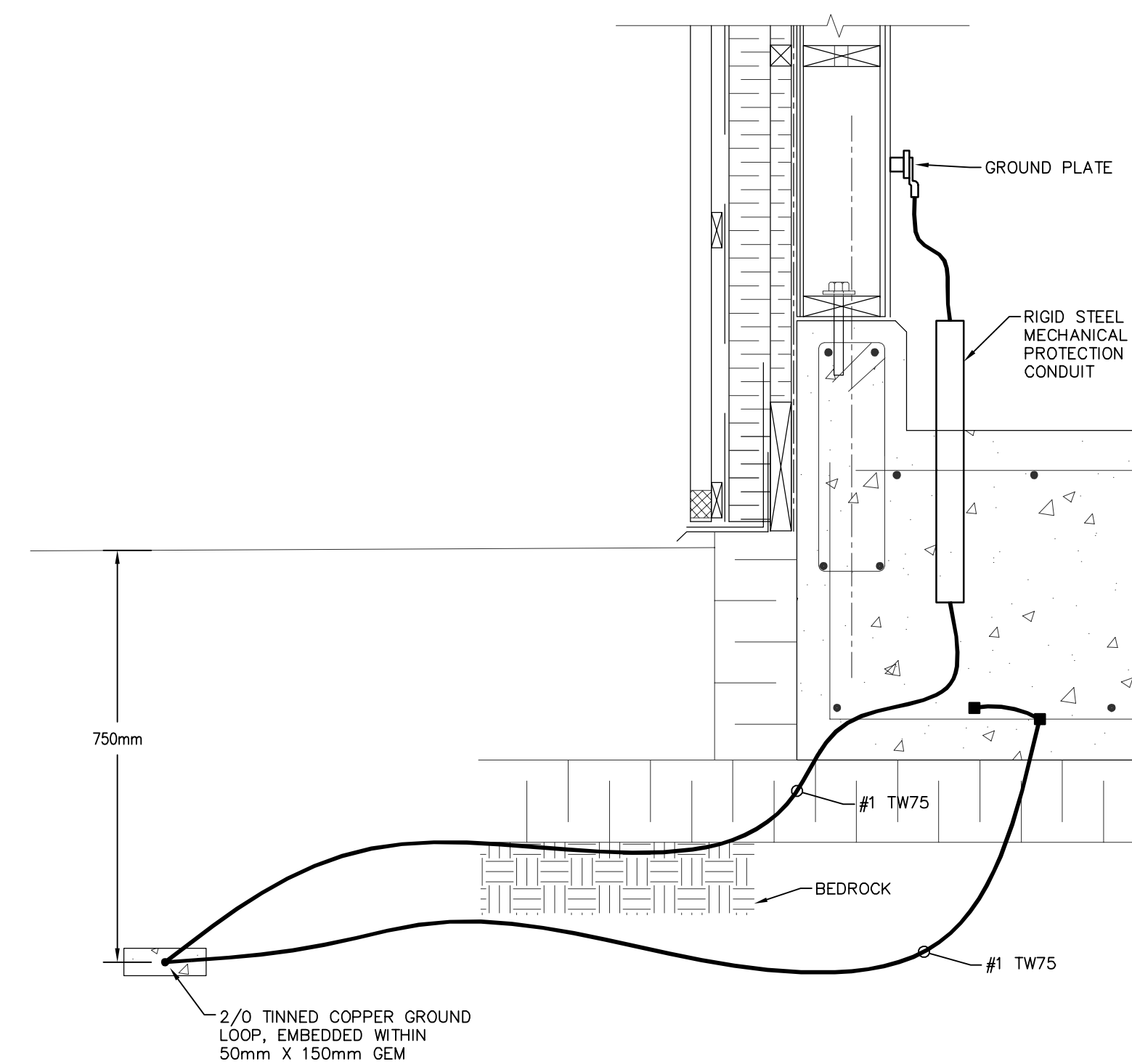


- NOTES:**
- 1 150mm x 750mm TRENCH WITH 50mm THICK GROUND ENHANCEMENT MATERIAL (GEM), ERICO GEM25A AROUND GROUND CABLE LOOP.
  - 2 LAY A 406mm x 254mm, GALVANIZED STEEL GROUND PLATE (ERICO EGGPC) 750mm DEEP, EMBEDDED WITHIN 50mm OF GEM. EXTEND GEM 300mm AROUND PLATE.
  - IEEE 837 COMPRESSION FITTING

1 GROUNDING LAYOUT  
E3  
SCALE 1:50



2 FUEL TANK GROUNDING DETAIL  
E3  
N.T.S.



3 BUILDING GROUNDING DETAIL  
E3  
N.T.S.



PERMIT TO PRACTICE  
BOUTHILLETTE PARIZEAU INC.

Signature: *[Signature]*

Date: 2016-05-12

PERMIT NUMBER: P717  
NWT/NU Association of Professional  
Engineers and Geoscientists

NORTH STAMP



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1	ISSUED FOR CONSTRUCTION	2016/05/13	BPA	G.G.
R E V I S I O N S				

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Consulting Engineers



CLIENT  
GOVERNMENT OF NUNAVUT  
DEPARTMENT OF COMMUNITY  
AND GOVERNMENT SERVICES

PROJECT  
CORAL HARBOUR, NUNAVUT  
NEW PUMPING STATION

TITLE  
ELECTRICAL  
GROUNDING LAYOUT AND  
DETAILS

design by	G.GODIN	project no.	8011-116
drawn by	M.STEVENSON	drawing no.	E3
checked by	G.GODIN		
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	AS SHOWN		