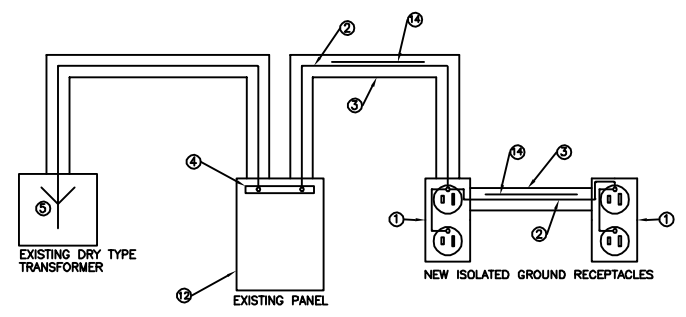


- NOTES**
- N1 INSTALL CONDUITS FOR GAS DETECTORS AND LIGHTING THROUGH EXISTING 12" EXHAUST DUCT. ALL CONDUIT AND WIRING FROM PIT TO BE EXPLOSION PROOF.
  - N2 EXTEND EXISTING COMPRESSED AIR LINES TO ADDITIONAL LOCATIONS FOR ROLLING JACK AND REPAIRS.
  - N3 EXISTING EXHAUST DUCT FROM PIT
  - N4 WIRE GAS DETECTOR CONTROL PANELS TO PROVIDE ALARM ON FIRST LEVEL OF GAS PRESENCE AND ENSURE GENERAL EXHAUST AND SUPPLY FANS ARE RUNNING WITH DAMPER POSITION TO ALLOW FULL ADMISSION OF MAKE UP AIR AND FULL EXHAUST IF LEVEL INCREASES.



ISOLATED GROUND WIRING SCHEMATIC

**BILL OF MATERIALS AND INSTRUCTIONS**

- ① NEW ISOLATED GROUND DUPLEX RECEPTACLES (ORANGE COLOUR) 44 INCHES ABOVE FLOOR
- ② INSULATED GROUND CONDUCTOR (GREEN YELLOW)
- ③ RIGID STEEL CONDUIT SUITABLE FOR GROUNDING
- ④ GROUND BUS ON INSULATORS: IF NOT PRESENT RUN INSULATED GROUND CONDUCTOR THROUGH TO TRANSFORMER NEUTRAL IN SAME CONDUIT AS PANEL FEEDER
- ⑤ POINT OF CONNECTION TO TRANSFORMER NEUTRAL
- ⑥ FLUORESCENT LIGHTING FIXTURES EXPLOSION PROOF, APPLETON NO. ARS232 WITH EFP248 GAURD MOUNTED HOZIZONTALLY
- ⑦ SWITCH FOR PIT LIGHTING WIRE TO 15A-1P BREAKER IN ⑫
- ⑧ CO GAS DETECTOR TYPE RDS EXPLOSION PROOF
- ⑨ CO GAS CONTROL PANEL TYPE SCD
- ⑩ NO GAS DETECTOR TYPE AST EXPLOSION PROOF
- ⑪ NO GAS DETECTOR/CONTROL PANEL TYPE SCP
- ⑫ EXISTING 120/208V, 3# PANEL WITH 15KVA TRANSFORMER ABOVE PANEL
- ⑬ 2-15AMP, 1-POLE BREAKER IN ⑫
- ⑭ #12-RW90



**MANENCO ENGINEERING**  
 218 - 530 CENTURY STREET TEL (204) 783-0757  
 WINNIPEG, MANITOBA FAX (204) 774-3776  
 R3H 0T4

DRN	KMK	APP	EPD	MEC DWG No.	REV
CHK	EPD	DATE	07/26/01	01154-M	1
1	GENERAL REVISION		08/13/01	KMK	EPD

REVISIONS		
NO.	DESCRIPTION	DATE
—	REVISED	Jan. 11/02
—	ISSUED FOR FINAL REVIEW	Oct. 16/01
—	ISSUED FOR TENDER	Aug. 24/01
—	ISSUED FOR CLIENT REVIEW	July 10/01

CLIENT  
**CITY OF WINNIPEG TRANSIT**  
 421 OSBORNE ST., WINNIPEG MANITOBA

D.H. ROBBINS ENGINEERING  
 CONSULTING STRUCTURAL ENGINEERS  
 3-430 River Avenue, Winnipeg, Manitoba, R3L 0C8

PROJECT  
**INSTALL FRONT END ALIGNMENT MACHINE DYNAMOMETER ROOM**

DRAWING TITLE  
**ELECTRICAL AND MECHANICAL**