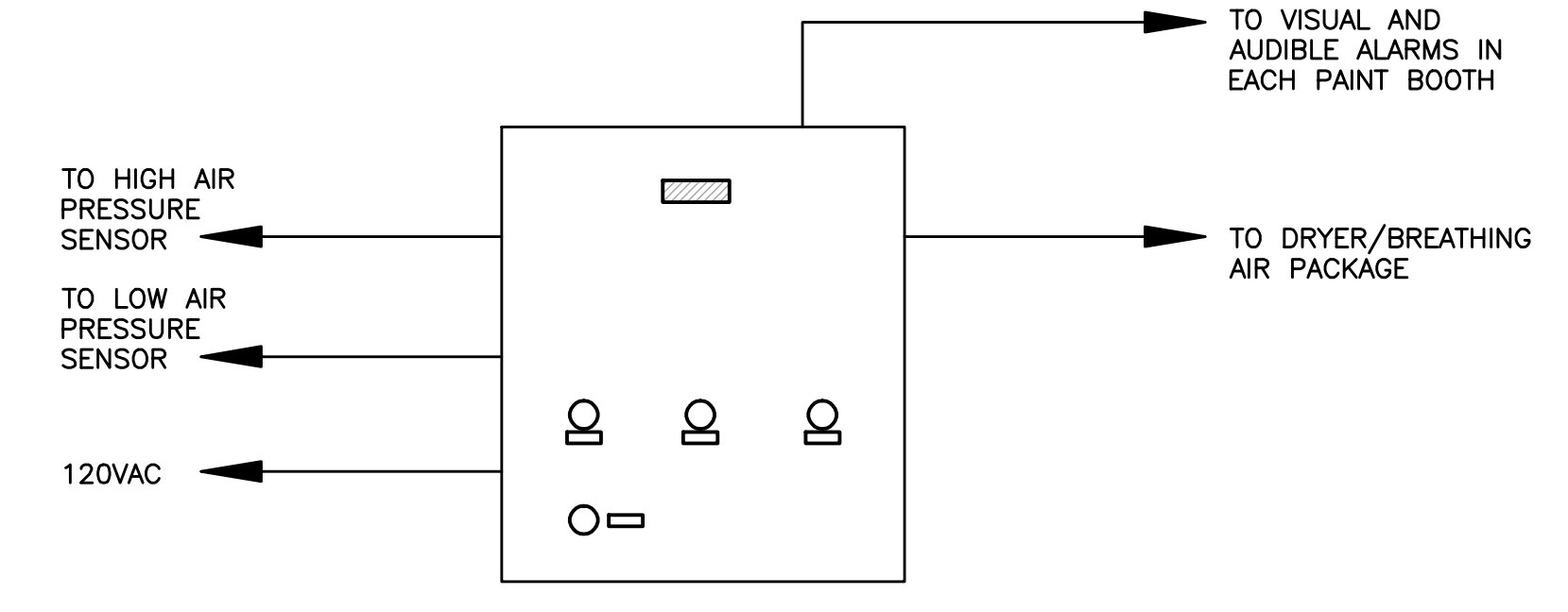


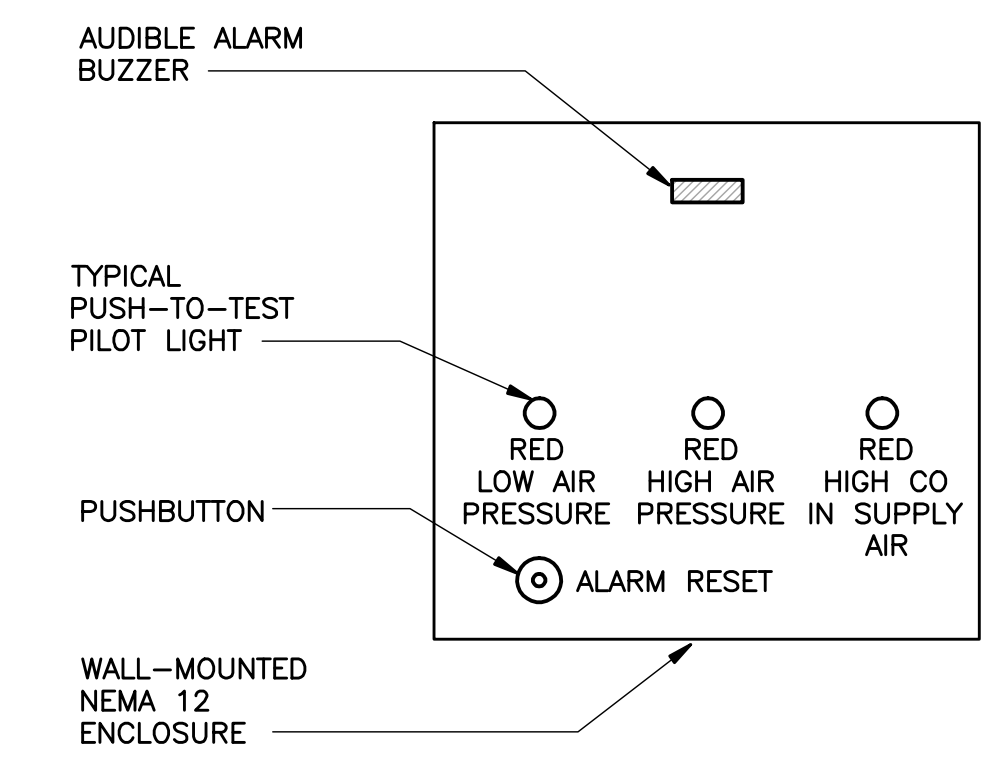
1 PARTIAL MAIN FLOOR PLAN - ELECTRICAL LAYOUT
1/8" = 1'-0"

- NOTES:**
- DISCONNECT EXISTING BREATHING AIR COMPRESSORS AND ASSOCIATED CONTROLS UPON COMMISSIONING OF THE NEW BREATHING AIR SYSTEM.
 - RELOCATE EXISTING STARTER AND THERMOSTAT AS SHOWN. EXTEND EXISTING WIRING.
 - WIRE AND CONNECT 30HP COMPRESSOR PACKAGES AC-1 AND AC-2, 460V-3PH. INSTALL, WIRE AND CONNECT 600V-460V TRANSFORMERS SUPPLIED BY COMPRESSOR VENDOR AND VFD CONTROLLER. FEED EACH COMPRESSOR FROM A NEW MATCHING 50A-3P CIRCUIT BREAKER IN PANEL LP-RB WITH 3#8 TECK. WIRE DRAIN VALVES TO A NEW MATCHING 15A-1P CIRCUIT BREAKER IN PANEL PBL.
 - WIRE AND CONNECT VENTILATION FAN F1 3HP 208V 3PH TO A NEW MATCHING 30A-3P CIRCUIT BREAKER IN PANEL PBL WITH 3#12 TECK. PROVIDE MAGNETIC STARTER IN COMPRESSOR ROOM.
 - WIRE AND CONNECT DRYER/BREATHING AIR PACKAGE TO A NEW MATCHING 15A-1P CIRCUIT BREAKER IN PANEL PBL WITH 2#12 TECK.
 - BREATHING AIR SYSTEM REMOTE ALARM PANEL. WIRE TO A NEW MATCHING 15A-1P CIRCUIT BREAKER IN PANEL PBL AND ASSOCIATED MECHANICAL SYSTEM CONTROLLERS AND REMOTE ALARMS.
 - EXISTING VISUAL AND AUDIBLE ALARMS. TIE TO BREATHING AIR CONTROL PANEL. PROVIDE MATCHING SIGNALS. ALL WIRING WITHIN PAINT BOOTHS TO BE SUITABLE FOR CLASS 1 ZONE 1 INSTALLATION.



2 BREATHING AIR ALARM SYSTEM RISER DIAGRAM
N.T.S.

- NOTES:**
- PILOT LIGHTS ON THE ALARM PANEL TO INDICATE LOW AIR PRESSURE, HIGH AIR PRESSURE, AND HIGH CO IN SUPPLY AIR.
 - THE FOLLOWING CONDITIONS TO INITIATE AUDIBLE ALARM ON THE PANEL AND AUDIBLE/VISUAL ALARMS IN PAINT BOOTHS:
- HIGH AIR PRESSURE
- LOW AIR PRESSURE
- HIGH CO IN SUPPLY AIR
 - ALARM RESET BUTTON IS TO SILENCE AUDIBLE ALARM ONLY.



3 BREATHING AIR ALARM PANEL ELEVATION
N.T.S.

- SYMBOL LEGEND**
- ELECTRIC MOTOR. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION.
 - DISCONNECT SWITCH BY ELECTRICAL CONTRACTOR.
 - PANELBOARD.
 - MAGNETIC STARTER BY ELECTRICAL CONTRACTOR.
 - JUNCTION BOX.
 - ALARM HORN.
 - ALARM STROBE LIGHT.

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| 00 | ISSUED FOR TENDER | 08.05.27 | L.K. |
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CLIENT
**CITY OF WINNIPEG
TRANSIT DEPARTMENT**

WARDROP | Engineering Inc.

PROJECT NAME
**WINNIPEG TRANSIT - OSBORNE STREET GARAGE
PAINT BOOTH BREATHING AIR SYSTEM UPGRADE**

DRAWING DESCRIPTION
**PARTIAL MAIN FLOOR PLAN
ELECTRICAL LAYOUT**

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|-----------------------------------------------------------------------------|-------------------------------------|-------------------|---------------------|
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| | APPROVED BY: AR | | |
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