

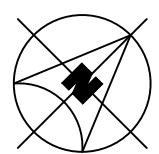
KEY PLAN  
SCALE: NTS

## GENERAL NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING EXACT LAYOUT, ROUTING, ETC. VERIFY EXISTING SERVICES ON SITE.
- VERIFY ALL EXISTING EQUIPMENT BEING RE-USED IS WORKING PRIOR TO INSTALLATION. SUPPLY NEW EQUIPMENT AS NECESSARY.
- CONTRACTOR TO DETERMINE EXACT CABLE ROUTES ON SITE. WHERE POSSIBLE FOLLOW EXISTING CABLE ROUTES THROUGH BUILDING. RE-USE EXISTING OPENINGS AND PENETRATIONS TO ROUTE CABLES. PROVIDE NEW PENETRATIONS WHERE EXISTING CANNOT BE RE-USED. SEAL ALL PENETRATIONS.
- SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS WITH FIRE STOP MATERIAL AS REQUIRED TO MAINTAIN ASSEMBLY RATINGS.
- COORDINATE FULLY WITH MECHANICAL FOR THE SEQUENCE OF DEMOLITION AND CONSTRUCTION.
- COORDINATE WITH THE CITY PRIOR TO SHUT DOWN OF EQUIPMENT.
- DRAWINGS SHOW ONLY A GENERAL SCHEMATIC OF NEW AND SOME EXISTING SYSTEMS. ROUTING CONDUITS AND/OR CABLES AND LOCATIONS SHALL SUIT SITE CONDITIONS AND MAY HAVE TO BE CHANGED TO AVOID CONFLICT WITH EXISTING STRUCTURE AND SERVICES. WHEN A CONFLICT CANNOT BE AVOIDED, THE EXISTING SERVICES SHALL BE MODIFIED AS REQUIRED.
- PROVIDE LIQUID TIGHT CONNECTORS FOR ALL CONDUITS INSTALLED INSIDE GARAGE AND ON ROOF.
- CONTRACTOR SHALL ENSURE COORDINATION BETWEEN ALL SUBCONTRACTORS AND CONTRACT ADMINISTRATOR, ON AND OFF SITE, AS REQUIRED FOR INSTALLATION OF ELECTRICAL EQUIPMENT.
- ARRANGE AND PAY CERTIFIED ROOFING CONTRACTOR TO PROVIDE NEW ROOF PITCH BOXES, SEAL ROOF OPENINGS EXPOSED FROM REMOVAL OF EXISTING FEEDERS. REFER TO SPECIFICATION FOR ADDITIONAL DETAILS.
- CONTRACTOR TO VISIT SITE DURING BID AND VERIFY ALL EXISTING SERVICES ON SITE PRIOR TO SUBMITTING BID. REPORT ANY DISCREPANCIES TO CONTRACT ADMINISTRATOR DURING BID PERIOD.
- THIS BUILDING MAY CONTAIN ASBESTOS. REFER TO FRONT END SPECIFICATION FOR FURTHER INFORMATION.

## KEY NOTES

- WIRE AND CONNECT NEW INFRARED HEATER PROVIDED BY MECHANICAL. CONFIRM CONNECTION TYPE (HARDWIRED OR PLUG-IN (RECEPTACLE)) WITH MECHANICAL CONTRACTOR AND PROVIDE ACCORDINGLY. UTILIZE 120V CIRCUIT MADE AVAILABLE DURING DEMOLITION. EXTEND WIRE, CONDUIT, ETC. AS REQUIRED. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR.
- NEW FEEDERS/CONDUIT FOR ROOFTOP EQUIPMENT TO PENETRATE ROOF THROUGH NEW PITCH BOXES. CONFIRM EXACT ROUTING ON SITE. SEAL ALL PENETRATIONS AND MAKE WEATHER TIGHT. REFER TO CONDUIT BOX DETAIL SHEET RD-3 IN THE SPECIFICATION FOR FURTHER INFORMATION.
- PROVIDE A NEW 20A BREAKER FOR ROOFTOP RECEPTACLES. BREAKERS TO MATCH EXISTING IN ALL RESPECTS.
- PROVIDE NEW HEAT TRACE CONTROLLER C/W INTEGRAL GFI PROTECTION AND AMBIENT TEMPERATURE SENSOR FOR ROOF DRAIN HEAT TRACING (RAYCHEM ECW-GF OR APPROVED EQUIVALENT). WIRE LINE SIDE TO A NEW DEDICATED 15A-2P 208V CIRCUIT IN PANEL EE WITH MINIMUM 2#10 (PLUS BONDING CONDUCTOR IN CONDUIT). BREAKER TO MATCH EXISTING IN ALL RESPECTS. INSTALL AS PER MANUFACTURERS REQUIREMENTS. CONNECT LOAD SIDE TO NEW DRAIN LINE HEAT TRACING ON ROOF. COORDINATE EXACT CONTROLLER LOCATION WITH OWNER PRIOR TO ROUGH IN.
- PROVIDE A NEW 15A-120V CIRCUIT FROM PANEL EE FOR NEW HRU CONTROL PANEL. BREAKER TO MATCH EXISTING IN ALL RESPECTS. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR.
- PROVIDE A NEW 15A 120V CIRCUIT FOR NEW GAS DETECTOR BOOSTER POWER SUPPLY. WIRE AND CONNECT TO A NEW 15A-1P BREAKER IN PANEL EE WITH 2#10 IN CONDUIT. BREAKER TO MATCH EXISTING IN ALL RESPECTS. COORDINATE CONNECTION TYPE (HARDWIRE OR PLUG-IN) WITH MECHANICAL CONTRACTOR AND ADJUST ACCORDINGLY.
- EXISTING EXHAUST FAN TO BE RELOCATED TO APPROXIMATE LOCATION SHOWN BY MECHANICAL CONTRACTOR. EXTEND WIRE, CONDUIT, ETC. AS REQUIRED. COORDINATE RELOCATION WITH MECHANICAL CONTRACTOR.
- PROVIDE NEW JUNCTION BOX(ES) IN ACCESSIBLE LOCATION AND RE-TERMINATE EXISTING WIRING. EXTEND WIRE, CONDUIT, ETC. CONTRACTOR TO DETERMINE EXACT QUANTITY AND LOCATION OF JUNCTION BOXES ON SITE TO SUITE ROUTING (MAINTAIN ACCESSIBILITY). COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR TO ENSURE JUNCTION BOX(ES) ARE LOCATED IN ACCESSIBLE LOCATIONS.



1 PARTIAL MAIN FLOOR PLAN - ELECTRICAL - NEW CONSTRUCTION  
E2.1 SCALE: 1/16" = 1'-0"

FILE NAME AND PATH: G:\Projects\2025\25-330 Transit East High Bay Ventilation Upgrade\03 CAD\2.4 Elec\25330\_E2.1.dwg  
LAYOUT: E2.1  
LAST SAVED BY: wslm  
DATE PLOTTED: January 8, 2026 8:46:28 AM

0	ISSUED FOR CONSTRUCTION	AJS	27/03/2026
LETTER OR NUMBER	DESCRIPTION	BY	DDMMYY

**ENGINEERS**  
**GEOSCIENTISTS**  
**MANITOBA**  
Certificate of Authorization  
**SMS Engineering Ltd.**  
No. 166



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Project Title  
**TRANSIT MAINTENANCE  
AND REPAIR BUILDING  
MECHANICAL UPGRADE -  
EAST HIGH BAY**

WINNIPEG

Drawing Title  
**PARTIAL MAIN FLOOR PLAN -  
ELECTRICAL -  
NEW CONSTRUCTION**

MANITOBA

Drawn By WPD	Revision Number <b>0</b>
Checked By AJS	Drawing Number
Approved By AJS	Scale <b>E2.1</b>
Scale AS NOTED	Date MARCH 2026
Project No. 25-330-01	Sheet Order <b>3 OF 5</b>



**Winnipeg Transit**