



GENERAL NOTES

- A. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING EXACT LAYOUT, ROUTING, ETC. VERIFY EXISTING SERVICES ON SITE.
- B. VERIFY ALL EXISTING EQUIPMENT BEING RE-USED IS WORKING PRIOR TO INSTALLATION. SUPPLY NEW EQUIPMENT AS NECESSARY.
- C. 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.
- D. SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS WITH FIRE STOP MATERIAL AS REQUIRED TO MAINTAIN ASSEMBLY RATING.
- E. COORDINATE FULLY WITH MECHANICAL FOR THE SEQUENCE OF DEMOLITION AND CONSTRUCTION.
- F. COORDINATE WITH THE CITY PRIOR TO SHUT DOWN OF EQUIPMENT.
- G. 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.
- H. PROVIDE LIQUID TIGHT CONNECTORS FOR ALL CONDUITS INSTALLED INSIDE GARAGE AND ON ROOF.
- I. CONTRACTOR SHALL ENSURE COORDINATION BETWEEN ALL SUBCONTRACTORS AND CONTRACT ADMINISTRATOR, ON AND OFF SITE, AS REQUIRED FOR INSTALLATION OF ELECTRICAL EQUIPMENT.
- J. 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.
- K. 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.

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Winnipeg Transit

Project Title
TRANSIT MAINTENANCE AND REPAIR BUILDING MECHANICAL UPGRADE - WEST HIGH BAY
 WINNIPEG MANITOBA

Drawing Title
PARTIAL MAIN FLOOR PLAN - ELECTRICAL - NEW CONSTRUCTION

Drawn By	WPD	Checked By	CRM	Approved By	AS
Scale	1/16"=1'-0"	Date	JUNE 2022	Project No.	20-349-01
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KEY NOTES

1. SUPPLY, WIRE AND INSTALL NEW CDP. COORDINATE EXACT LOCATION WITH CITY OF WINNIPEG. REFER TO SINGLE LINE DIAGRAM FOR FURTHER DETAILS.
2. WIRE AND CONNECT NEW INFRARED HEATER PROVIDED BY MECHANICAL. CONFIRM CONNECTION TYPE (HARDWIRED OR 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.
3. 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.
4. PROVIDE A NEW 20A BREAKER FOR ROOFTOP RECEPTACLES. BREAKERS TO MATCH EXISTING IN ALL RESPECTS.
5. NEW CDP-A FEEDER TO BE ROUTED ON NEW CABLE TRAY. ENSURE FEEDER IS FASTENED AT INTERVALS NOT EXCEEDING 1.5M. BOND EXISTING AND NEW TRAY TO EXISTING BUILDING GROUND (IN ELECTRICAL ROOM) IN CONFORMANCE WITH CEC SECTION 10 (BOND INTERVAL SHALL NOT EXCEED 15M).
6. CDP-A FEEDER TO ENTER ELECTRICAL ROOM ON WAREHOUSE/STORAGE SIDE. PROVIDE CONDUIT SLEEVES THROUGH FIREWALL AND PENETRATE WALL AT HIGH LEVEL ABOVE ELECTRICAL ROOM TO WAREHOUSE/STORAGE. FIRESTOP PENETRATIONS. REFER TO DRAWING E3.1 FOR FURTHER INFORMATION.
7. INTERCONNECT EXISTING GAS DETECTION ALARM PANEL TO EXISTING FIRE ALARM SYSTEM. PROVIDE A NEW MONITORING MODULE AND CONNECT TO ALARM CONTACT ON THE GAS DETECTION PANEL. PROVIDE NEW WIRE AND CONDUIT AS REQUIRED TO CONNECT MONITORING MODULE TO NEAREST FIRE ALARM ADDRESSABLE LOOP SERVING AREA WITH SPARE CAPACITY. PROGRAM FIRE ALARM SYSTEM TO PROVIDE A DISTINCT SIGNAL UPON ACTIVATION (CONTROLLER SHALL NOT TRIGGER GENERAL ALARM OR CAUSE AUTO DIALER TO ACTIVATE). VERIFY DEVICE AS PER APPLICABLE ULC STANDARD ONCE INSTALLATION IS COMPLETE. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR.
8. PROVIDE A NEW 24" WIDE (MINIMUM) SIZE LADDER CABLE TRAY SUSPENDED FROM DECK TO SUPPORT NEW CDP-A FEEDERS. PROVIDE ALL NECESSARY ACCESSORIES, HANGERS, SUPPORTS, ETC. AND INSTALL IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. INSTALL NEW CABLE TRAY IN LINE (ABOVE OR BELOW) EXISTING. COORDINATE PLACEMENT OF TRAY TO AVOID INTERFERENCE WITH LIGHTS, DUCT WORK, FIRE PROTECTION, ETC.
9. PROVIDE NEW HEAT TRACE CONTROLLER CW 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 RC WITH MINIMUM 2#10 (PLUS BONDING CONDUCTOR IN CONDUIT). BREAKER TO MATCH EXISTING IN ALL RESPECTS. INSTALL AS PER MANUFACTURER'S REQUIREMENTS. CONNECT LOAD SIDE TO NEW DRAIN LINE HEAT TRACING ON ROOF. COORDINATE EXACT CONTROLLER LOCATION WITH OWNER PRIOR TO ROUGH IN.
10. PROVIDE A NEW 15A-120V CIRCUIT FROM PANEL RC FOR NEW HRU CONTROL PANELS. BREAKER TO MATCH EXISTING IN ALL RESPECTS. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR.
11. EXISTING EXHAUST FAN TO BE RELOCATED TO LOCATION AS SHOWN. EXTEND WIRE, CONDUIT, ETC. AS REQUIRED. COORDINATE RELOCATION WITH MECHANICAL CONTRACTOR.

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