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Client

Legend

Notes

Revision	By	Appd.	YY.MM.DD		
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Permit-Seal



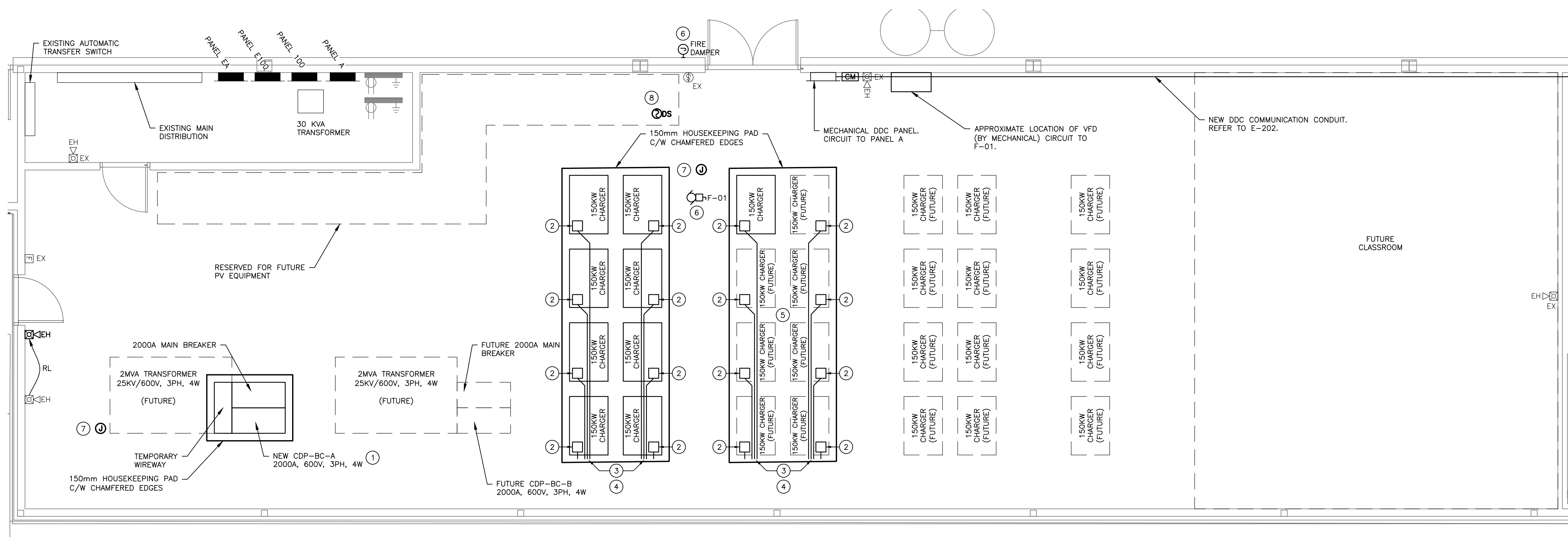
Client/Project
 WINNIPEG TRANSIT DIRECT CURRENT FAST CHARGING BUS STATIONS BRANDON GARAGE

600 Brandon Ave. Winnipeg, Manitoba

Title
 ENLARGED STORAGE ROOM EQUIPMENT LAYOUT - NEW CONSTRUCTION

Project No. 144523001	Scale As Indicated
Drawing No.	Sheet Revision

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1 ENLARGED STORAGE ROOM EQUIPMENT LAYOUT - NEW CONSTRUCTION
 E-205 1:50

GENERAL NOTES:

1. ALL EQUIPMENT TO BE COORDINATED ON SITE PRIOR TO ROUGH-IN OR PLACEMENT OF EQUIPMENT.

KEY NOTES:

- 1 CONTRACTOR TO ALLOW PROPER SPACING FOR FUTURE 2MVA TRANSFORMER. CDP-BC-A SHALL BE CONFIGURED TO FACILITATE FUTURE TIE-IN TO A 2MVA TRANSFORMER. TEMPORARY WIREWAY SHALL BE COORDINATED TO ALLOW FOR FUTURE TRANSITION TO THE 2MVA DRY TYPE TRANSFORMER MOUNTED ADJACENT TO THE DISTRIBUTION.
- 2 FORM OUT OPENING UNDER EACH CHARGER CABINET TO FACILITATE ROUTING OF INCOMING AND OUTGOING CONDUCTORS. PROVIDE SEPARATE SCH40 PVC CONDUIT SLEEVES FOR INCOMING AC POWER, OUTGOING DC POWER (x4 PER CHARGER), AND FIBER INTERFACE (x4 PER CHARGER). COORDINATE EXACT LOCATION OF THE OPENINGS WITH THE LAYOUT OF CHARGER CABINETS. PROVIDE MULTIPLE OPENINGS TO ACCOMMODATE POWER AND COMMUNICATION CABLES WITHIN THE CABINETS AS REQUIRED. SIZE OPENINGS TO ACCOMMODATE X2 MINIMUM BENDING RADIUS FOR THE CABLES ROUTED THROUGH THE RESPECTIVE OPENINGS.
- 3 PROVIDE CONDUIT PATHS FROM CDP-BC-A TO THE RESPECTIVE CHARGERS. ROUTE CONDUITS VIA CEILING JOISTS TO MINIMIZE INTERFERENCE WITH MECHANICAL SYSTEMS. PROVIDE SUPPORTS AS NECESSARY. IF MULTIPLE CONDUCTORS ARE COMBINED IN A SINGLE CONDUIT, INCREASE CONDUCTOR SIZE IN ACCORDANCE WITH CEC TABLE 5C. PROVIDE SPACE ON THE SUPPORTING RACK TO FACILITATE ADDITION OF FUTURE CONDUITS.
- 4 EXTEND RACEWAY FOR AC AND DC DISPENSER CABLES FROM THE CHARGERS TO THE TOP CABLE TRAY. EXTEND RACEWAY FOR FIBER CABLES FROM THE PAD TO THE FIBER CABLE TRAY. PROVIDE CABLE SUPPORT IN ACCORDANCE WITH CEC REQUIREMENTS.
- 5 PROVIDE PROTECTIVE COVERS FOR THE FUTURE CABINET OPENINGS.
- 6 SUPPLY POWER TO NEW FAN F-01 FROM NEW MATCHING 20A-3P BREAKER IN PANEL 100 VIA VFD. WIRE USING 3#12 AWG IN CONDUIT. INTERLOCK VFD WITH FIRE DAMPER TO DISABLE FAN F-01 OPERATION WHEN THE FIRE DAMPER IS IN CLOSED POSITION.
- 7 SUPPLY POWER TO MOTORIZED ACTUATORS FROM NEW MATCHING 15A-1P BREAKER IN PANEL A. CONTROLS BY MECHANICAL CONTRACTOR.
- 8 PROVIDE DUCT SMOKE DETECTOR INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. DUCT SMOKE DETECTOR SHALL BE cUL LISTED, FULLY COMPATIBLE WITH THE FIRE ALARM SYSTEM. INTERFACE SMOKE DETECTOR WITH THE EXISTING FIRE ALARM SYSTEM. INTERFACE F-01 VFD WITH FIRE ALARM SYSTEM, AND CONFIGURE TO SHUT DOWN F-01 IN THE EVENT OF SMOKE DETECTED IN THE DUCTWORK.