



CI-0703

TAB 7: TECHNICAL DISCIPLINES

Electrical

- (iv) "DDDD - NN..."is one of following sources.
- (v) Outlet Assembly: YYYY- NN - nnn where:
 - A. "NN" is the source alpha-numeric identifier panel or rack, etc.;
 - B. "nnn" is a digit address .i.e. circuit number, etc.

DESTINATIONS ID		
Service ID "XXXX"	Source ID "YYYY"	Destination ID " DDDD"
"T" for telephone outlet.	"EU" for electrical utility supply	"EU" for electrical utility supply
"C" for data (copper) outlet.	"EG" for Emergency standby generator	"EG" for Emergency standby generator
"FO" for data (fiber) outlet.	"UPS" for Uninterruptible Power Supply or inverter	"UPS" for Uninterruptible Power Supply or inverter
"D" for data building automation system.	"COG" for cogeneration Power	"COG" for cogeneration Power
"FA" for fire alarms equipment.	"PV" for Photovoltaic power source	"PV" for Photovoltaic power source
"PA" for PA & intercom systems.	"DP" for distribution panel	"DP" for distribution panel
"FARE" for Presto Rack	"DPE" Emergency Distribution Panel	"DPE" for Emergency distribution panel
"RF" for radio system.	"DPU" for UPS distribution panel	"PP" for Power Distribution Panel
"S" for security systems.	"PP" for Power Distribution Panel	"PPE" for Emergency Power Distribution Panel
"TV" for CCTV and TV systems.	"PPU" for UPS Power Distribution Panel	"PPUn" for UPS Power Distribution Panel
"EL" for ELECTRICAL POWER.	"LP" for Lighting panel	"LP" for Lighting panel
"RK" for rack	"MCC" for motor control centre	"MCC" for motor control centre
"ST" for Station	"PDB" for Punch down block	"PDB" for Punch down block
"PG" for Parking Garage	"NS" for network server	"NS" for network server
"PF" for Platform	"RT" for router, multiplexer etc	"RT" for router, multiplexer etc.
"OB" for Outside Building (Bunker, Kiosk etc)	"RK" for rack	"RK" for rack
"CCTV" for CCTV Cabinets	"FL" for floor followed by B9-B1 - Sub Grade Floors or 1 - 99 - Above Grade Floors	"FL" for floor followed by B9-B1 - Sub Grade Floors or 1 - 99 - Above Grade Floors
"NET" for Network Cabinets	7. "RM" for room followed by : MC - Main Telecommunications Room or CR - communications Room	8. "RM" for room followed by : MC - Main Telecommunications Room or CR - communications Room (Any other space designated as a communications room which is not

7.7.1 NETWORK CONNECTIVITY

Each of these devices requires a minimum of one network outlet. These network outlets are to be cabled back to the nearest telecommunications room network rack and terminated as per the copper horizontal cabling standard.

7.7.2 POWER REQUIREMENTS

Each of these device locations requires a single 20amp duplex receptacle. These do not need to be connected to UPS / Emergency power and do not require a dedicated outlet. See Metrolinx DRM for electrical outlet specifications.

7.8 DIGITAL SIGNAGE

Each digital signage location shown on the electrical drawings must include data and electrical outlet locations as well as any enclosures or other infrastructure associated with these signs.

7.8.1 NETWORK CONNECTIVITY

Each of these devices requires a minimum of one network outlet. These network outlets are to be cabled back to the nearest telecommunications room network rack and terminated as per the copper horizontal cabling standard.

7.8.2 POWER REQUIREMENTS

Each of these device locations requires a dedicated single 20amp duplex receptacle for indoor locations. Outdoor locations require sizing based on external enclosure and screen power draws. All outdoor outlets must be GFI Type receptacle which may be reset at the NEMA enclosure. This is to be coordinated at time of design and must adhere to Metrolinx DRM for outdoor outlets.

7.9 BUILDING AUTOMATION SYSTEMS

Refer to CI-0702 Mechanical and to the Building Automation Systems performance specification.

7.10 BUILDING UPS TELECOMMUNICATIONS

All Metrolinx UPS systems must be connected to the Metrolinx network infrastructure for future monitoring.

7.10.1 NETWORK CONNECTIVITY

Each of these devices requires a minimum of two network outlets. These network outlets are to be cabled back to the nearest telecommunications room network rack and terminated as per the copper horizontal cabling standard.

7.11 SERVICE COUNTER AREA FAX / PRINTER DEVICES

Each service counter booth will have a network printer, fax and copier device. This device shall be located on the electrical drawings along with the location of the below network and power outlets.