

SAMPLE COMMUNICATION ROOM LEGEND	
ITEM	DESCRIPTION
①	FARE COLLECTION EQUIPMENT: PRESTO AND LEGACY
②	NETWORK SYSTEM RACK
③	PA SYSTEM RACK
④	CCTV SYSTEM RACK
⑤	PASSENGER NOTIFICATION SYSTEM
⑥	SPACE FOR FUTURE RACKS
⑦	SPACE FOR FUTURE RACKS
⑧	UPS-PANEL-XX
⑨	UPS-PANEL-1-XX
⑩	SCADA PANEL-XX
⑪	BUILDING AUTOMATION PANEL-XX
⑫	FIRE ALARM CONTROL PANEL-XX
⑬	BUILDING SECURITY CONTROL PANEL-XX
⑭	SUB - COMMUNICATION CONDUITS C/W FIRE STOP AT FLOOR/WALL
⑮	BELL DEMARCATION PANEL-XX
⑯	120V, 20 A DUPLEX RECEPTACLE FROM DEDICATED CIRCUIT
⑰	SECURITY ALARM PANEL-XX
⑱	SECURITY ACCESS PANEL-XX
⑲	HI-LOW TEMPERATURE ALARM SWITCHES. CONNECT TO CHUBB ALARM SYSTEM
⑳	SECURITY MOTION DETECTOR CONNECT TO CHUBB ALARM SYSTEM
㉑	BACKBONE COMMUNICATION CONDUITS C/W FIRE STOP AT FLOOR/WALL PENETRATIONS
㉒	CHUBB KEYPAD

SAMPLE COMMUNICATION ROOM LEGEND	
ITEM	DESCRIPTION
⑳	ELECTRIC STRIKE
㉑	DOOR CONTACT
㉒	REQUEST TO EXIT MOTION SENSOR
㉓	EXIT SIGN WALL/SURFACE MOUNTED
㉔	EMERGENCY BATTERY UNIT 12V DC C/W MICRO QUARTZ HEADS, MOUNTING SHELF, 15A, 120V U-GROUND RECEPTACLE AND CORD. WALL/SURFACE MOUNTED
㉕	FIRE ALARM SPEAKER/STROBE LIGHT WALL MOUNTED
㉖	ELECTRICAL FAN FORCED HEATER AT HIGH ELEVATION
㉗	WALL/SURFACE MOUNTED P.A. SPEAKER
㉘	1200mm LONG 2-LAMP T8 LED STRIP LIGHT WITH ELECTRONIC BALLAST OR LED STRIP LIGHT, CHAIN SUSPENDED LUMINAIRE FROM CEILING SLAB. LUMINAIRE TO BE FED 50% FROM UPS+ GENERATOR, 50% FROM NORMAL POWER PANEL. (TYP.)
㉙	CABLE LADDER TYPE 600mm CABLE TRAY BOTTOM OF TRAY AT 2.3m A/F. REFER TO DRM FOR DETAILS.
㉚	CABLE TRAY SUPPORT SUSPENDED FROM CEILING USING THREAD ROD OR AS PER MANUFACTURER'S RECOMMENDATIONS (TYP.)
㉛	SMOKE DETECTOR, CEILING/SURFACE MOUNTED. EXACT NUMBER OF SMOKE DETECTOR TO BE COORDINATED WITH CABLE TRAY INSTALLATION. ADD MORE DETECTORS FOR FULL PROTECTION COVERAGE
㉜	20A, 120V TWIST LOCK RECEPTACLE CABLE TRAY MOUNTED (TYP.)
㉝	EMERGENCY POWER FOR A/C UNIT AT HIGH ELEVATION (1200 MM) REMOVABLE CAPS ON BOTH SIDES.
㉞	RECEPTACLE FOR PORTABLE POWER OUTLET.
㉟	TECHNICIAN'S FOLDING TABLE. REFER TO DRM.
㊱	FIRE EXTINGUISHER
㊲	INDOOR A/C SPLIT UNIT AT HIGH ELEVATION REFER TO DRM.
㊳	FAN AT HIGH ELEVATION
㊴	LOUVER AT HIGH ELEVATION.
㊵	PROVISION FOR DEDICATED CIRCUIT (ON BACKUP GENERATOR) FOR POWER OF PORTABLE A/C.
㊶	150MM LOCKABLE OPENING. BOTTOM OF 150MM OPENING IS LOCATED AT LEVEL BOARDING HEIGHT PLUS 254MM. OPENING LOCKS AND OPENS FROM INSIDE.

MAIN COMMUNICATION ROOM GENERAL NOTES:


- THIS IS A GENERAL ROOM LAYOUT FOR COMMUNICATION ROOM TO ILLUSTRATE MAJOR EQUIPMENT REQUIREMENTS. THE ACTUAL ROOM LAYOUT SHALL BE DESIGNED TO MEET ALL PROJECT REQUIREMENTS AND PROVIDE 25% SPARE WALL SPACE FOR FUTURE PROJECTS.
- MECHANICAL SYSTEM SHALL BE PROVIDED FOR COMMUNICATION ROOM (A/C SPLIT HEAT PUMP, FAN ETC.). CONTRACTED PARTY SHALL DESIGN THE COMMUNICATION ROOM TO ACCOUNT FOR SPACE REQUIREMENTS FOR THESE MECHANICAL ITEMS. A/C SHALL BE MONITORED BY BAS AND BE ACCESSIBLE AS PER DRM.
- REFER TO DRM AND SPECIFICATIONS FOR DESIGN OF ADDITIONAL EQUIPMENT/DEVICE REQUIREMENTS.
- REFER TO METROLINX ELECTRICAL IDENTIFICATION AND NOMENCLATURE SPECIFICATION FOR IDENTIFYING AND LABELING ALL COMMUNICATION DRAWINGS AND THEIR ELEMENTS.
- ALL ELECTRICAL EQUIPMENT SHALL BE SIZED USING THE MOST CURRENT VERSION OF METROLINX DRM.
- ALL COMMUNICATION ROOMS SHALL BE EXTERIOR INSULATED AND TO BE POURED CONCRETE OR INTERIOR BLOCK WALL.
- DESIGN DRAWINGS SHALL SHOW ALL EQUIPMENT TO BE INSTALLED, AND THE EQUIPMENT SHALL BE DRAWN TO SCALE TO SHOW A REALISTIC PRESENTATION OF THE INSTALLATION AND ROOM UTILIZATION ELEVATIONS SHALL BE PROVIDED.
- LOCATIONS FOR ROOM HI-LOW TEMPERATURE SENSOR, ROOM MOTION SECURITY SENSOR, LTG CONTROL SENSOR, SHALL BE COORDINATED DURING CONSTRUCTION.
- SINGLE THERMOSTAT TO CONTROL BOTH UNIT HEATER(S) AND AC UNIT(S). HVAC AS PER DRM AND CONDENSATE LINE TO BE PIPED FROM THE UNIT DIRECTLY OUT OF THE ROOM AND NOT DIRECTED TO DRAIN INSIDE THE ROOM.
- GROUND BAR SHALL BE INSTALLED AROUND THE ENTIRE ROOM UTILIZING A "HALO" DISTRIBUTION METHOD AND SHALL BE COORDINATED WITH THE ELECTRICAL SYSTEM GROUNDING, BUILDING GROUNDING AND ELECTRIFICATION GROUNDING.
- A LAMINATED SITE SPECIFIC RISER DIAGRAM READABLE FROM A LEAST 1 M AWAY, SHALL BE POSTED IN EACH COMM. ROOM, HUB ROOM, OR MINI-HUB ROOM, ADJACENT TO THE ENTRANCE AND BE UPDATED ANNUALLY..
- DOOR FOR MAIN COMMUNICATION ROOM SHALL OPEN TO OUTSIDE FOR SAFETY PURPOSES EXCEPT WHEN OPENING TO TRAFFIC.
- THE NUMBER AND TYPE OF COMMUNICATION ROOMS ARE DETERMINED BY THE LAYOUT AND SIZE OF THE SITE. REFER TO DRM COMMUNICATION AND HUB ROOM SECTION AND DETAILS.
- ALL INTERIOR WALL MOUNTED ITEMS AND CONDUIT STUB-UPS ARE TO BE INSTALLED AT A HEIGHT AS IF LEVEL BOARDING FLOOR LEVELS ARE ALREADY IN PLACE.

MINI-HUB ROOM GENERAL NOTES:

- ALL INTERIOR WALL MOUNTED ITEMS AND CONDUIT STUB-UPS ARE TO BE INSTALLED AT A HEIGHT AS IF LEVEL BOARDING FLOOR LEVELS ARE ALREADY IN PLACE.

NOTE:
THIS DRAWING IS PROVIDED FOR INSTRUCTIONAL DESIGN PURPOSES ONLY BASED ON METROLINX GO TRANSIT DESIGN GUIDELINES AND REQUIREMENTS. THE CONTRACTED PARTY SHALL VERIFY FOR LOCAL CODE COMPLIANCE, EXISTING SITE CONDITIONS AND INTER DISCIPLINARY DRAWING COORDINATION. ALL DIMENSIONS AND SPECIFICATIONS SHOULD BE VERIFIED BY CONTRACTED PARTY AND/OR CONTRACTOR BEFORE CONSTRUCTION BEGINS.

METROLINX PROJECT NO.

REFERENCE DRAWINGS		ISSUE		REVISIONS		DRAWN BY: X.X.X. YY/MM/DD	DESIGNED BY: X.X.X. YY/MM/DD		XXXXXXX STATION		
						CHECKED BY: X.X.X. YY/MM/DD	APPROVED BY: X.X.X. YY/MM/DD		----- SAMPLE COMMUNICATION ROOM LAYOUT NOTES AND LEGEND		
		0 21/03/09 INITIAL ISSUE				SCALE: 1:XXX FULL SIZE ONLY					
DWG. NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE			DWG. NO.	REV.	SHEET
									165-SER-E-2002A	0	