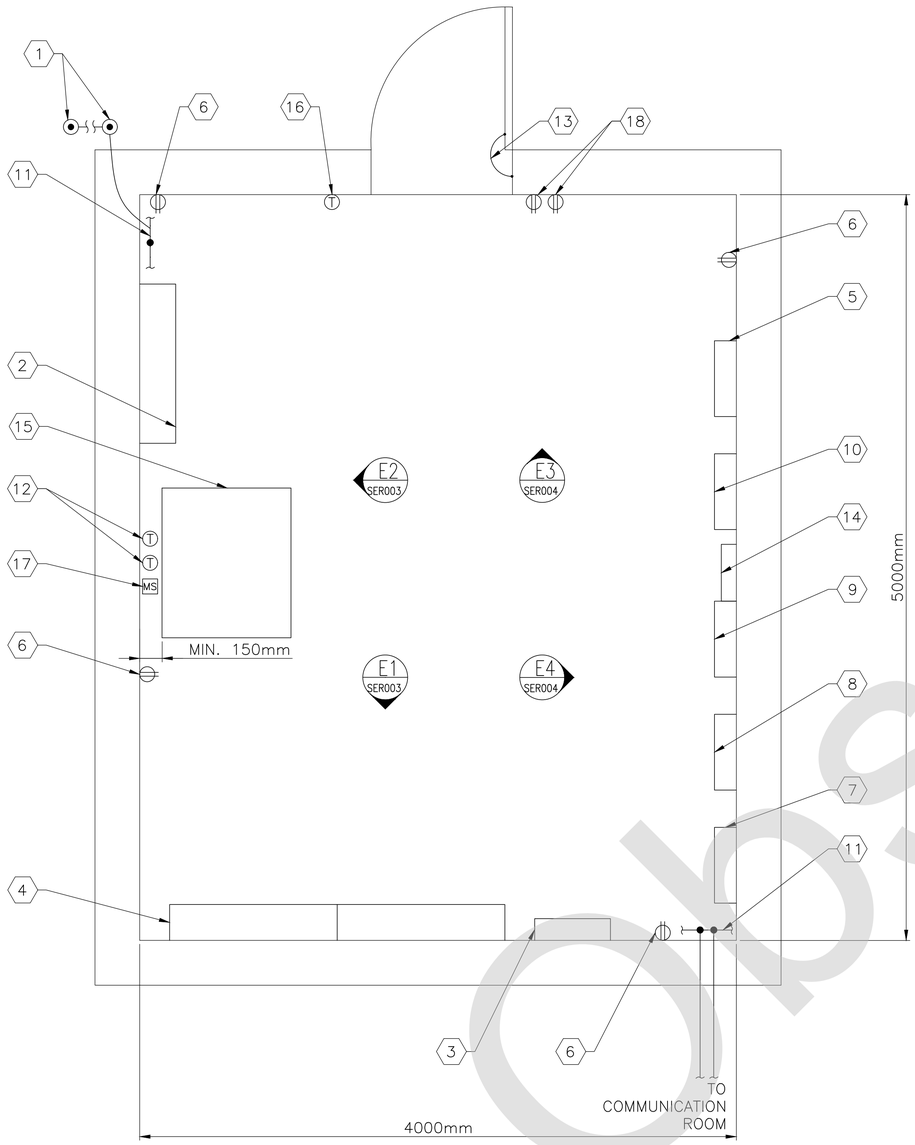
D SIZE 22" x 34" (558.8mm x 863.6mm)

METRIC

ALL DIMENSIONS SHOWN ARE IN METRES AND/OR MILLIMETRES UNLESS OTHERWISE NOTED.



ITEMS:

1. GROUND RODS MINIMUM OF 4, SPACED 4m APART.
2. MAIN SERVICE ENTRANCE SWITCHBOARD INCLUDING MAIN SERVICE ENTRANCE, 500A, 347/600V, 3ø, 4W. (SIZE SERVICE FOR STATION REQUIREMENTS). C/W INTEGRATED SURGE PROTECTION DEVICE AND VOLTAGE SENSORS THAT CONNECT TO CHUBB ALARM SYSTEM.
3. DISTRIBUTION PANEL "R1" MAX. 400A 120/208V 3ø 4W 72CCT, RETAIL. SIZE PANEL AS PER RETAIL MODEL DEFINED IN "RETAIL BASE BUILDING REQUIREMENT".
4. MAIN DISTRIBUTION SWITCHBOARD, MAX. 1000A 120/208V 3ø 4W, 2 SECTIONS, C/W METERS AS REQUIRED.
5. DISTRIBUTION PANEL "UP2" 100A 120/208V 3ø 4W 30CCT, FED FROM UPS EMERGENCY POWER
6. 120V, 15A DUPLEX RECEPTACLE. SURFACE MTD ON WALL. PROVIDE ONE DEDICATED CIRCUIT FOR EVERY TWO RECEPTACLES
7. DISTRIBUTION PANEL "H2" 225A 120/208V 3ø 4W 42CCT, HEAT TRACING
8. DISTRIBUTION PANEL "M2" 225A 120/208V 3ø 4W 42CCT, MECHANCAL LOAD
9. DISTRIBUTION PANEL "P3" 225A 120/208V 3ø 4W 42CCT, GENERAL/LIGHTING LOAD
10. DISTRIBUTION PANEL "E2" 100A 120/208V 3ø 4W 30CCT, NORMAL/EMERGENCY LIGHTING
11. GROUND BUS 50mm X 13mm THICK COPPER BUS BAR ON NON METALLIC STANDOFFS IN ELECTRICAL ROOM TO BE RUN COMPLETELY AROUND ROOM AND CONNECTED TO GROUND SYSTEM. ALL STEEL WORK MUST BE BONDED INCLUDING PANEL ENCLOSURES. BUS SHALL BE LOCATED 50mm A.F.F. AND SHALL BE INSTALLED AROUND DOOR FRAMES, SWITCHBOARD, ETC.
12. HI-LOW TEMPERATURE ALARM SWITCHES. CONNECT TO CHUBB ALARM SYSTEM.
13. FLEXIBLE COPPER GROUND STRAP. GROUND ALL STEEL FRAMES & DOORS.
14. LIGHTING CONTROL PANEL.
15. UP TO 300KVA 600-120/208V, 3ø, 4W DRY TYPE TRANSFORMER.
16. THERMOSTAT FOR AC UNIT.
17. SECURITY MOTION DETECTOR CONNECT TO CHUBB ALARM SYSTEM.
18. DEDICATED 20A 120V AND 30A 120V POWER RECEPTACLES (GENERATOR BACKED-UP) FROM DEDICATED CIRCUIT BREAKERS FOR PORTABLE A/C UNIT.

GENERAL NOTES:

1. ALL ELECTRICAL EQUIPMENT SHALL BE PROVIDED WITH SPRINKLER PROOF ENCLOSURES.
2. ALL DISTRIBUTION PANEL SHALL BE MOUNTED ON UNISTRUT CHANNEL (I.E. SPACED OFF WALL).
3. CONCRETE PAD SHOULD BE PROVIDED FOR THE FREE STANDING ELECTRICAL EQUIPMENT AS REQUIRED.
4. STATION ELECTRICAL ROOM SHALL NOT HAVE STUD WALL, INSULATION OR FALSE FLOORS AND CEILINGS IN THESE AREAS. INSULATION SHALL BE APPLIED TO THE EXTERIOR FACE OF THE WALL LEAVING THE EXPOSED INTERIOR SPACE TO BE POURED CONCRETE OR BLOCK WALL.
5. 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. EQUIPMENT SIZES SHALL BE DETERMINED FROM INDUSTRY STANDARD PRODUCTS.

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

METROLINX PROJECT NO. XXXXXX

REFERENCE DRAWINGS		ISSUE			REVISIONS		
					3	DEC 2017	DEVELOPING ELECTRICAL SPECIFICATION
					2	DEC 2013	DISCLAIMER NOTE
					1	JULY 2012	NOMENCLATURE REVISION
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE	

DRAWN BY: X.X.X. YY/MM/DD	DESIGNED BY: YY/MM/DD
CHECKED BY: YY/MM/DD	APPROVED BY: YY/MM/DD
SCALE: 1:20	FULL SIZE ONLY

A Division of METROLINX

XXXXXXXX STATION

STATION ELECTRICAL ROOM

ROOM LAYOUT

CONTRACT NO.	DWG. NO.	REV.	SHEET
XX-200X-EN-XXX	SER-001	3	