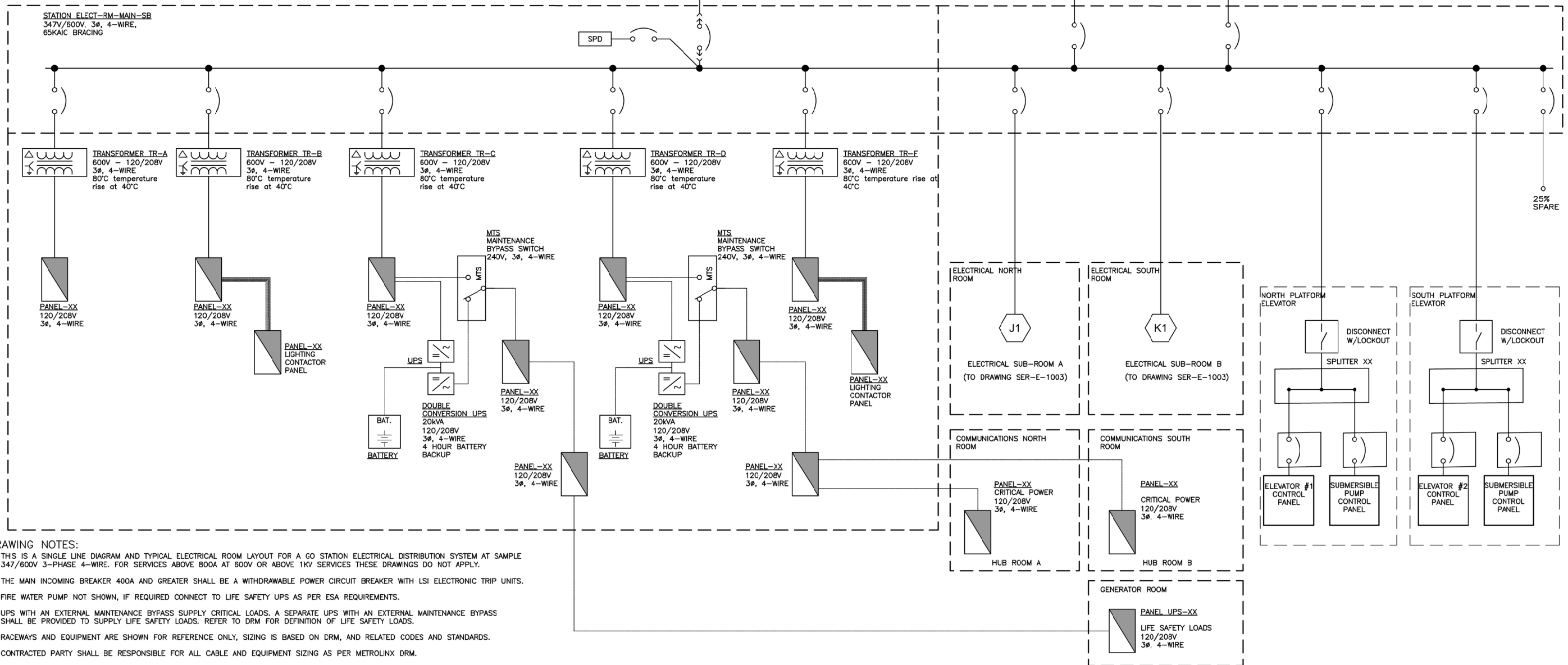
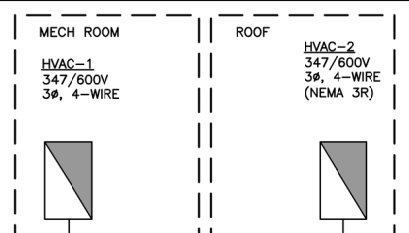


METRIC

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

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.

(TO DRAWING SER-E-1001)  
INCOMING SUPPLY  
(347V/600V)  
ELECT-RM-MAIN-SB



- DRAWING NOTES:
- THIS IS A SINGLE LINE DIAGRAM AND TYPICAL ELECTRICAL ROOM LAYOUT FOR A GO STATION ELECTRICAL DISTRIBUTION SYSTEM AT SAMPLE 347/600V 3-PHASE 4-WIRE. FOR SERVICES ABOVE 800A AT 600V OR ABOVE 1KV SERVICES THESE DRAWINGS DO NOT APPLY.
  - THE MAIN INCOMING BREAKER 400A AND GREATER SHALL BE A WITHDRAWABLE POWER CIRCUIT BREAKER WITH LSI ELECTRONIC TRIP UNITS.
  - FIRE WATER PUMP NOT SHOWN, IF REQUIRED CONNECT TO LIFE SAFETY UPS AS PER ESA REQUIREMENTS.
  - UPS WITH AN EXTERNAL MAINTENANCE BYPASS SUPPLY CRITICAL LOADS. A SEPARATE UPS WITH AN EXTERNAL MAINTENANCE BYPASS SHALL BE PROVIDED TO SUPPLY LIFE SAFETY LOADS. REFER TO DRM FOR DEFINITION OF LIFE SAFETY LOADS.
  - RACEWAYS AND EQUIPMENT ARE SHOWN FOR REFERENCE ONLY, SIZING IS BASED ON DRM, AND RELATED CODES AND STANDARDS.
  - CONTRACTED PARTY SHALL BE RESPONSIBLE FOR ALL CABLE AND EQUIPMENT SIZING AS PER METROLINX DRM.
  - A LAMINATED SINGLE LINE DIAGRAM READABLE FROM AT LEAST 1m AWAY, SHALL BE POSTED ADJACENT TO THE ENTRANCE IN EACH ELECTRICAL ROOM AND BE UPDATED ANNUALLY.
  - MAIN SWITCHBOARD SHALL BE SIZED 1 STANDARD SIZE HIGHER THAN CURRENT KNOWN LOAD.
  - LABEL ALL EQUIPMENT AS PER METROLINX NOMENCLATURE STANDARDS.
  - REFER TO DRAWING E-2001A FOR LEGEND OF SYMBOLS.
  - ALL WIRING TO BE LABELED AT BOTH SOURCE AND DESTINATION ENDS WHEN IN CONDUIT/JUNCTION BOXES AND AT ACCESSIBLE JUNCTURES IF IN CABLE TRAYS. THIS LABELING, ALONG WITH I/O POINTS, SHALL BE CAPTURED IN THE P&ID AND ELECTRICAL AS-BUILT DRAWINGS TO BE INCLUDED IN THE O&M MANUAL.

METROLINX PROJECT NO.

REFERENCE DRAWINGS	ISSUE	REVISIONS	DRAWN BY: X.X.X. YY/MM/DD	DESIGNED BY: X.X.X. YY/MM/DD		XXXXXX STATION ----- SAMPLE SINGLE LINE DIAGRAM-2
			CHECKED BY: X.X.X. YY/MM/DD	APPROVED BY: X.X.X. YY/MM/DD		
			SCALE: 1:XXX	FULL SIZE ONLY		
DWG. NO.	TITLE	NO. DATE	ISSUED FOR	REV. DATE		
		0 21/03/09	INITIAL ISSUE		165-SER-E-1002	0