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

DRAWING NOTES:

DIESEL GENERATOR 600V/347V GROUND WYE SOUND ATTENUATED HOUSING

DISCONNECT SWITCH

THROUGH QUICK CONNECTION COUPLING

400kW PERMANENT LOAD BANK

64

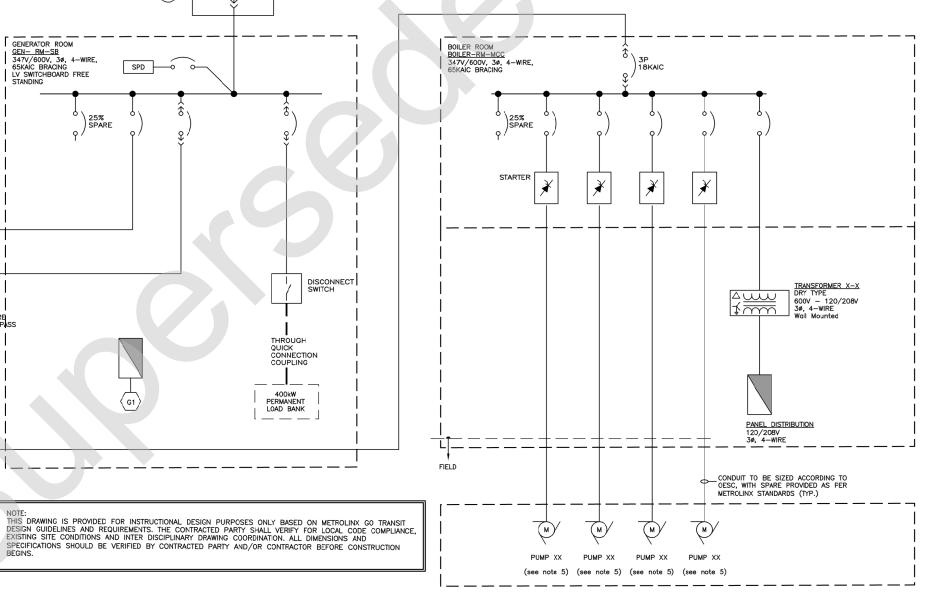
50 51

SPD

25% SPARE

800/5

- 1. 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.
- 2. THE MAIN INCOMING BREAKER 400A AND GREATER SHALL BE A WITHDRAWABLE POWER CIRCUIT BREAKER WITH LSI ELECTRONIC TRIP UNITS.
- 3. FIRE WATER PUMP NOT SHOWN, IF REQUIRED CONNECT TO LIFE SAFETY UPS AS PER ESA REQUIREMENTS.
- 4. 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.
- 5. RACEWAYS AND EQUIPMENT ARE SHOWN FOR REFERENCE ONLY, SIZING IS BASED ON DRM, AND RELATED CODES AND STANDARDS.
- 6. 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.
- 8. MAIN SWITCHBOARD SHALL BE SIZED 1 STANDARD SIZE HIGHER THAN CURRENT KNOWN LOAD.
- 9. LABEL ALL EQUIPMENT AS PER METROLINX NOMENCLATURE STANDARDS.
- 10. REFER TO DRAWING E-2001A FOR LEGEND OF SYMBOLS.
- 11. 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 C&M MANUAL.



★★ METROLINX

METROLINX PROJECT NO.

	REFERENCE DRAWINGS		ISSUE		REVISIONS		DRAWN BY:	DESIGNED BY:		
								X.X.X. YY/MM/DD	X.X.X. YY/MM/DD	
					_			CHECKED BY:	APPROVED BY:	
					_			X.X.X. YY/MM/DD	X.X.X. YY/MM/DD	
		_	((_			SCALE: 1:XXX	FULL SIZE ONLY	
		0	, ,	INITIAL ISSUE	_					
DWG NO.	TITLE	NO.	DATE	ISSUED FOR	REV.	DATE				

INCOMING SUPPLY UNDERGROUND

AUTOMATION SYSTEM

ATS-XX 600V, 3ø, 4-WIRE MAINTENANCE BYPASS FREE STANDING

ATS

GENERATOR ROOM
GEN— RM—SB
347V/600V, 3ø, 4—WIRE,
65KAIC BRACING
LV SWITCHBOARD FREE
STANDING

DIGITAL METER

(347V/600V) UTILITY PADMOUNT TRANSFORMER

HYDRO METER CABINET

ATS

POWER DISTRIBUTION SWITCH BOARD

(A2)

(TO DRAWING SER-E-1002)

SPD

UTILITY

MAIN ELECTRICAL ROOM
ELECT-RM-MAIN-SB
347V/600V, 3Ø, 4-WIRE,
65KAIC BRACING
LV SWITCHBOARD FREE STANDING

ATS-1 600V, 3ø, 4-WIRE MAINTENANCE BYPASS FREE STANDING

PROJECT SCOPE-

XXXXXXX	STATION

SAMPLE SINGLE LINE DIAGRAM-1

REV. SHEET 165-SER-E-1001