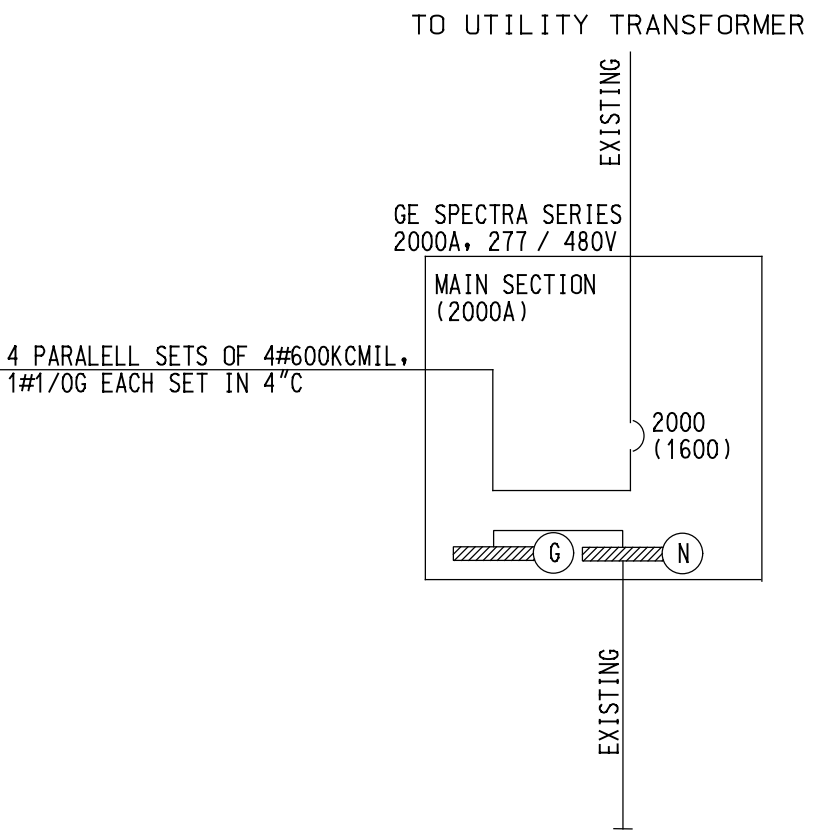
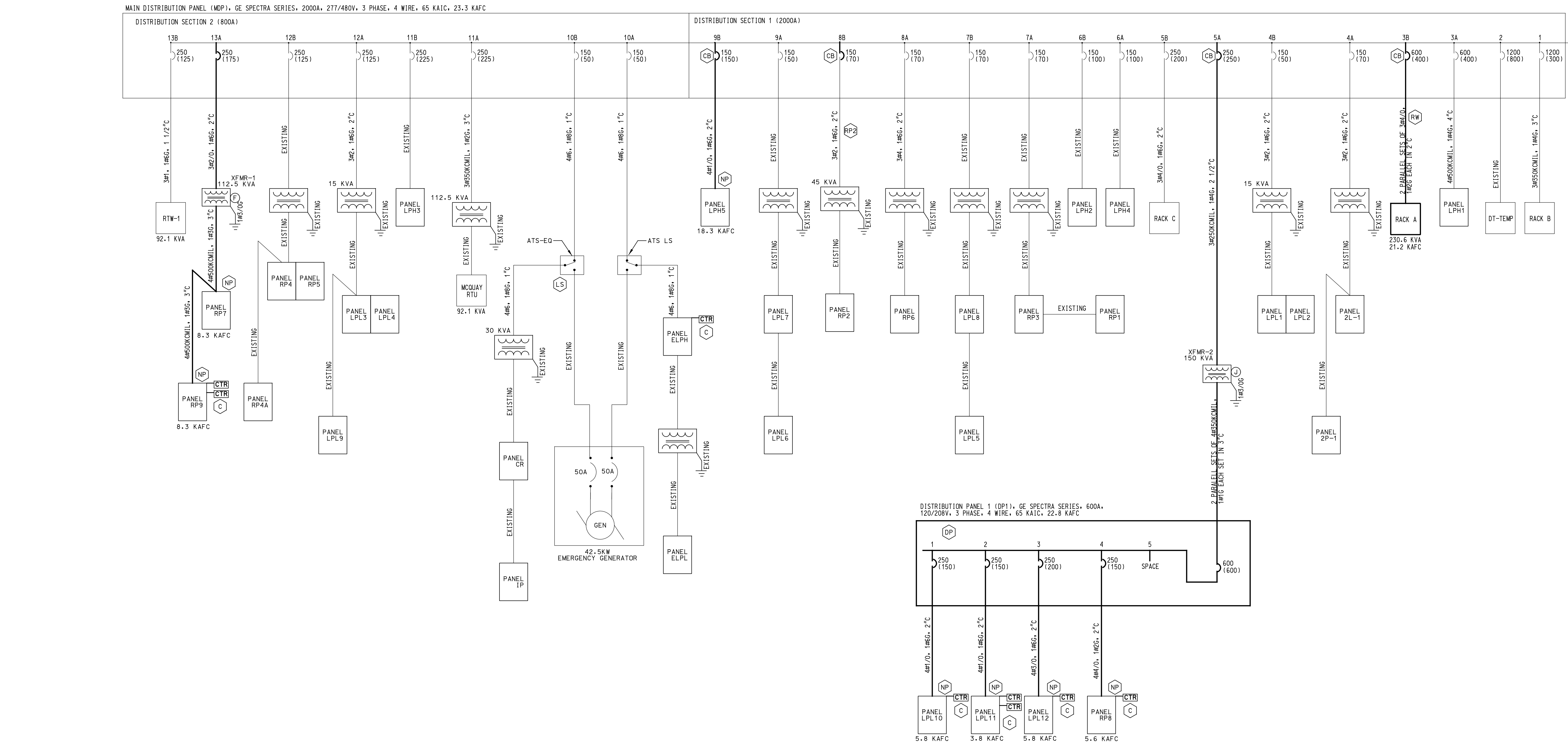


Rack A		Refrigerant R-407C (existing)		Cond Temp 110 F	
Section Temp	29 F	Load	328.281 Btu/hr	Av EER	4.1
Total Capacity					
Compressor	Watts	EER	RLA	Unloading	Notes
Carrier 09E1325	37,472	7.58	4.3	16.5	existing 1P
Carrier 09E1325	37,472	7.58	4.3	16.5	existing 1P
Carrier 09E1325	18,236	4.58	4.1	12.1	existing 1P
Carrier 09E1325	27,411	6.88	4.2	15.4	existing 1P
Carrier 09E1325	37,472	7.58	4.3	16.5	existing 1P
Carrier 09E1325	37,472	7.58	4.3	16.5	existing 1P
Carrier 09E1325	37,472	7.58	4.3	16.5	existing 1P
Carrier 09E1325	37,472	7.58	4.3	16.5	existing 1P
Carrier 09E1325	37,472	7.58	4.3	16.5	existing 1P
Carrier 09E1325	37,472	7.58	4.3	16.5	existing 1P

Rack B		Refrigerant R-407A (convert from R22)		Cond Temp 110 F	
Section Temp	29 F	Load	705.127 Btu/hr	Av EER	9.1
Total Capacity					
Compressor	Watts	EER	RLA	Unloading	Notes
Carrier 09E1475	201,972	22.607	8.9		existing
Carrier 09E1475	201,972	22.607	8.9		existing
Carrier 09E1475	137,345	14.900	9.2		existing
Carrier 09E1475	137,345	14.900	9.2		existing

Rack C		Refrigerant R-407A (convert from R22)		Cond Temp 110 F	
Section Temp	46 V	Load	396.634 Btu/hr	Av EER	8.3
Total Capacity					
Compressor	Watts	EER	RLA	Unloading	Notes
Carrier 09E1337	100,469	12.540	8.3		existing
Carrier 09E1337	100,469	12.540	8.3		existing
Carrier 09E1337	63,344	11.380	8.2		existing
Carrier 09E1337	113,471	14.400	8.3		existing

TRANSFORMER SCHEDULE				
SYMBOL	DESCRIPTION	MIN. IMPEDANCE RANGE	LOW VOLTAGE EFF. 75°C. 1% OF NAMEPLATE LOAD	GROUND SIZE
(C)	480/208/120V, 3PH 112.5KVA-115 DEGREE CELC. RISE TRANSFORMER	2.5-4.5 Z	98.5	#5/0
(D)	480/208/120V, 3PH 150KVA-115 DEGREE CELC. RISE TRANSFORMER	2.5-4.5 Z	98.6	#5/0



- KEY NOTES:**
- (R) FEED PANEL RP2 FROM NEW LOCATION IN MDP SHOWN. EXTEND CONDUCTORS IF REQUIRED.
 - (Z) FEED PANELS 2L-1 AND 2P-1 FROM NEW LOCATION IN MDP SHOWN. EXTEND CONDUCTORS IF REQUIRED.
 - (C) PROVIDE AND INSTALL NEW CIRCUIT BREAKER. MATCH EXISTING MANUFACTURER AND TYPE. SIZE AS INDICATED.
 - (D) PROVIDE AND INSTALL NEW 600A GE SPECTRA SERIES PANEL.
 - (W) REPLACE EXISTING WIRE AND CONDUIT WITH AT LEAST THE MINIMUM SIZE INDICATED.
 - (I) INSTALL NEW PANEL. REFER TO DWG E103 AND E602 FOR ADDITIONAL INFORMATION.
 - (S) CONTRACTOR SHALL MODIFY TRANSFER SWITCH OR PROVIDE NEW IF NECESSARY TO SHED LOAD WHEN GENERATOR EXCEEDS PEAK OUTPUT.
 - (V) SEE PANEL SCHEDULE DWG FOR CONTACTOR SCHEDULE. CONTACTORS TO BE MOUNTED ABOVE ACT CEILING WHERE APPLICABLE.
- GENERAL NOTES:**
- A. REFER TO DWG E103 FOR MAIN DISTRIBUTION PANEL AND PANELBOARD LOCATIONS.
 - B. ALL WIRES SHALL BE COPPER, U.O.N.
 - C. SEE PANELBOARD SCHEDULES ON DRAWING E602 FOR REQUIRED TYPE, SIZE, RATING, CIRCUIT BREAKERS AND ANY OTHER REQUIREMENTS.
 - D. CIRCUIT BREAKERS, DISCONNECT SWITCHES, ATS, ETC. ARE 3 POLE UNLESS OTHERWISE NOTED.
 - E. AFC INDICATED IS CALCULATED BASED ON INFORMATION PROVIDED BY FPL INDICATING AN AFC OF 23.89% SYMMETRICAL AMPERES AT THE SECONDARY TERMINALS OF THE UTILITY TRANSFORMER.
 - F. COORDINATE ALL EQUIPMENT POWER SCHEDULES WITH HANNAFORDS REPRESENTATIVE PRIOR TO STARTING WORK.

LOAD SERVICE CALCULATION:	
MAXIMUM DEMAND IN THE LAST 12 MONTHS:	647 KW
POWER FACTOR:	0.9
MAXIMUM DEMAND / POWER FACTOR:	718.9 KVA
1.25 X KVA:	898.6 KVA
NEW LOAD:	424.2 KVA
TOTAL:	1322.8 KVA
MINIMUM SERVICE SIZE:	1591.1 A

(A) SINGLE LINE DIAGRAM
NTS

REMODEL HANNAFORD SUPERMARKET & PHARMACY STORE #8351 - 295 FOREST AVENUE PORTLAND, MAINE 04101

Project Title: Hannaford Bros. Co.

Prepared By: JACOBS ENGINEERING GROUP, INC. 04-491808
5700 Major Boulevard, Suite 400
Portland, ME 04103-2001 Fax: 407-953-5195

Electrical Engineer of Record: JOSEPH HARRILL, P.E. MAINE REGISTERED PEI: 17/07

Scale: NONE Date: 10/21/11

Designed by: J. HARRILL
Drawn by: J. HARRILL
Checked by: L. PEREZ

Drawing No. E603
Project No. FRYR0300
HBC-PORTLAND_ME

Revision: 1 11/19/11 ISSUED FOR CONSTRUCTION
2 10/21/11 ISSUED FOR HANNAFORD 100% REVIEW
3 08/26/11 ISSUED FOR HANNAFORD 100% REVIEW