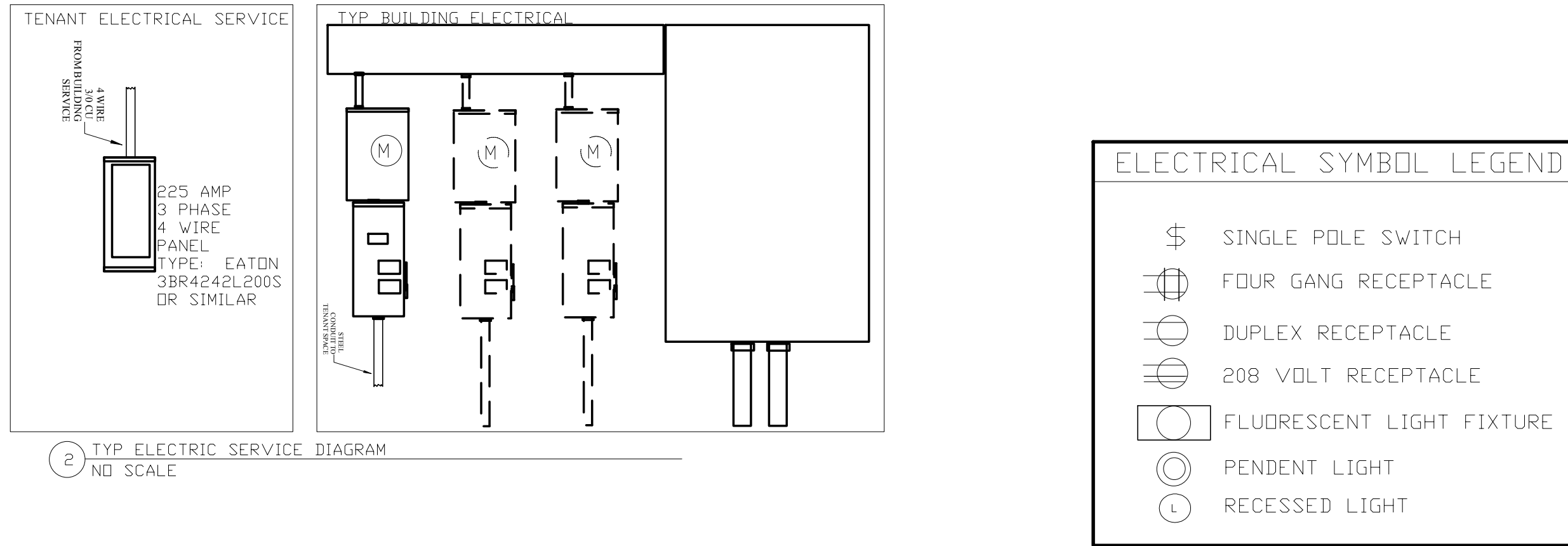


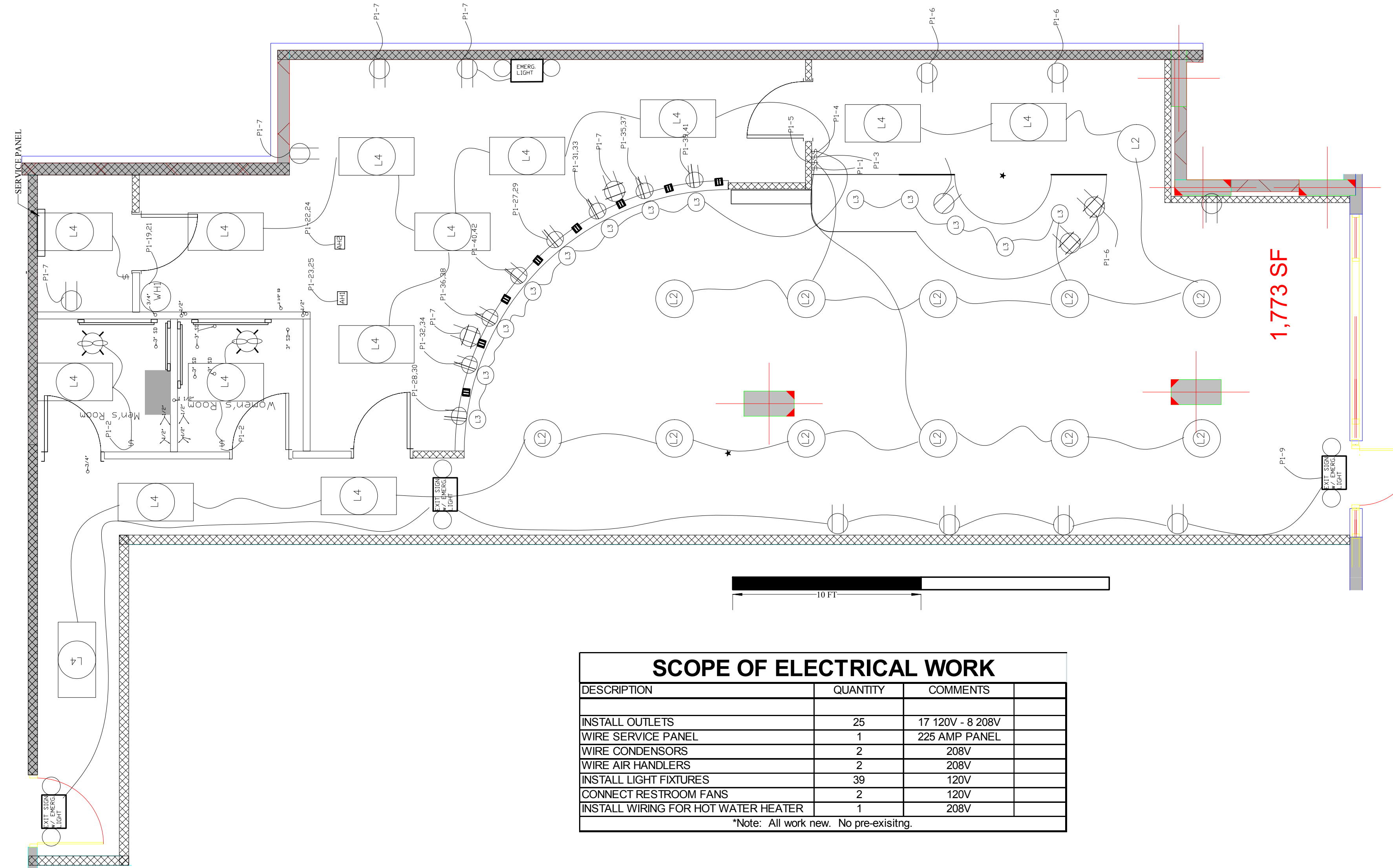
PANEL NO.	LOCATION	BACK WALL	ABC	120/208 VOLTS	3	4 WIRE	
1	MOUNTING	SURFACE		225 AMP SHORTCKT	MAIN	BREAKER RMS SYM AMPS	
CIRCUIT DESCRIPTION	LOAD KVA	BRKR SIZE	Circuiting No.	Size	BRKR SIZE	LOAD KVA	CIRCUIT DESCRIPTION
DINING FLOOR LIGHTING	1.6	20	2/1	12/12	20	0.4	RESTROOM LIGHTS & FANS
KITCHEN LIGHTING	1.1	20	2/1	12/12	20	0.8	YOGURT WALL LIGHTS
DINING FLOOR LIGHTING	1.4	20	2/1	12/12	20	1.26	SALES AREA REC. CASH WRAP
KITCHEN OUTLETS	1.44	20	2/1	12/12	20	5.4	HP1 - HEAT PUMP
DINING RECP. & EM LIGHT	.72	20	2/1	12/12	4	60	HP2 - HEAT PUMP
WATER HEATER	2.4	30	2/1	10/10	12	20	AIR HANDLER 2
AIR HANDLER 1 + 8K EM HEAT	8.59	40	2/1	8/8	12	20	AIR HANDLER 1
FREEZER 5	1.3	30	2/1	10/10	10/10	30	1.3
FREEZER 6	1.3	30	2/1	10/10	10/10	30	1.3
FREEZER 7	1.3	30	2/1	10/10	10/10	30	1.3
FREEZER 8	1.3	30	2/1	10/10	10/10	30	1.3

NUMBER	DESCRIPTION	VOLTAGE PHASE	WATTAGE
L2	LaKint Style Pendant	120/1	100
L3	5" Recessed - Home Depot CAT101	120/1	100
L4	T8 4 BULB - 2x4 DROP IN	120/1	160



Load Codes	VA Load per Phase			Calculations		
	A	B	C	Total VA	Multiplier	VA Load
C = Cooling Only	6336	2700	3536	12572	0.00	0
E = Existing Load	0	0	0	0	1.25	0
H = Heating Only	8590	0	8285	16875	1.00	16875
K = Kitchen	2400	2400	0	4800	1.00	4800
L = Lighting	2000	1900	1400	5300	1.25	6625
M = Motors	0	285	285	570	1.00	570
O = Other Load	5200	7800	7800	20800	1.00	20800
R = Receptacles	1440	720	1260	3420	1.00	3420
Load Totals	25966	15805	22566	64337	0.83	53090
Total VA Loads	20130	13580	19380			
Load Balance	113.8%	76.7%	109.5%			
Total VA of Largest Motor on this Panel				3100	0.25	775
VA Load This Panel						53865
Amperage This Panel Per Largest Phase VA						169.9

Building Code Analysis		
Analysis Items:		Code Section Reference
1 Occupancy Classification	B	IBC Chapter 3
2 Type of Construction	1A - Fire Resistive Non-combustible	IBC Chapter 3
3 Fire Sprinklers	YES	IBC 903, 903.3
4 Fire Alarm	NO	IBC 907
5 Height Allowable	NA	IBC 503, 504, and Table 503
6 Stories Allowable	NA	IBC 504.2 and Table 503
7 Area Allowable	NA	IBC 503 through 507 and Table 503
8 Occupant Load	49	IBC 1004, 1004.9 and Table 1004.1.1
9 Number of Exits Required	1 Required 2 Provided	IBC 1015.1, 1019 and Tables 1015.1, 1019.1, 1019.2
10 Fire Resistance Rating Requirements for Building Elements (specify areas receiving spray applied fire protection)	TYPE 1A 3 Hr. Exterior Walls 3 Hr. Structural Frame 2 Hr. Floor/Ceiling Assembly 1 1/2 Hr. Roof Protection	IBC 602.1, 702.1, Chapter 7 and Table 601
11 Protection of Openings Due to Location on Property and Maximum Area of Exterior Wall Openings	NA	IBC 704.8 and Table 704.8
12 Spaces Requiring Fire-Resistance-Rated Separation (Specify spaces requiring separation and hourly rating):	NA	IBC 508.3, 705, 706, 707, 708, 709, 711, 712, 1017.1, 1020, 1021, 1022,
13 Non-separated or Separated Uses with Required Calculations: NA	NA	IBC 508.3 and Table 508.3.3
14 Roof Covering Material Class: NA	NA	IBC Table 1505.1
15 Required Plumbing Fixtures	Lavatories Required: 1F 1M Lavatories Provided: 1F 1M Water Closets Required: 1F 1M Water Closets Provided: 1F 1M Service Sink Provided: 1	IBC 2902 and Table 2902.1



LIGHTING/POWER PLAN
1/4"=1'-0"

ADDENDUMS/REVISIONS:
2-8-13 RDN Added location of Restroom Switches

Printed correct layers

Crave Frozen Yogurt
Sean M. Pearson
Mstr. Elic. # 2710055571
Exp. 1/31/15
23126 Sea Park Blvd L.A.
Rummur City, GA 30546



PROPOSED FLOOR PLAN
SELF SERVICE FROZEN YOGURT
2750-C Gallows Road
Vienna, VA

STATUS

DATE
2/10/13

SHEET NO
E 1

CRAVE FLOORPLAN V1