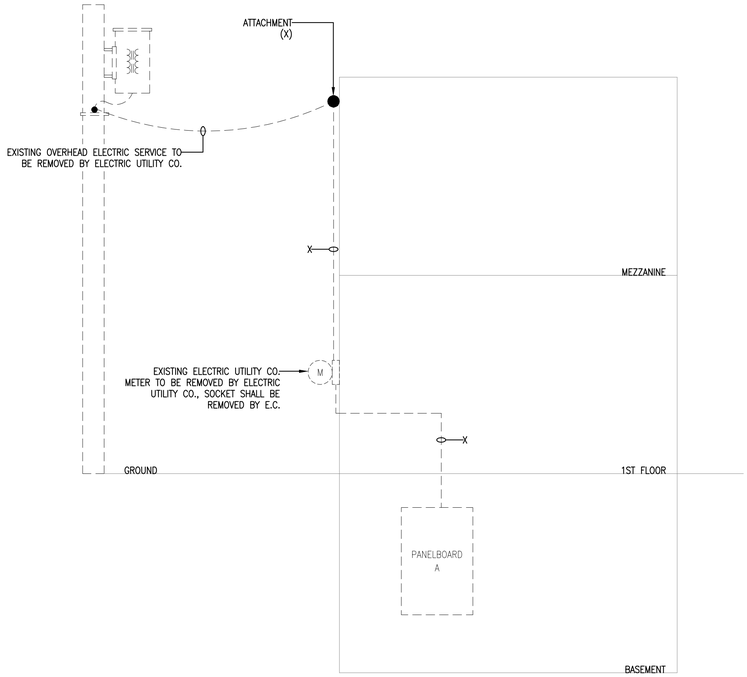
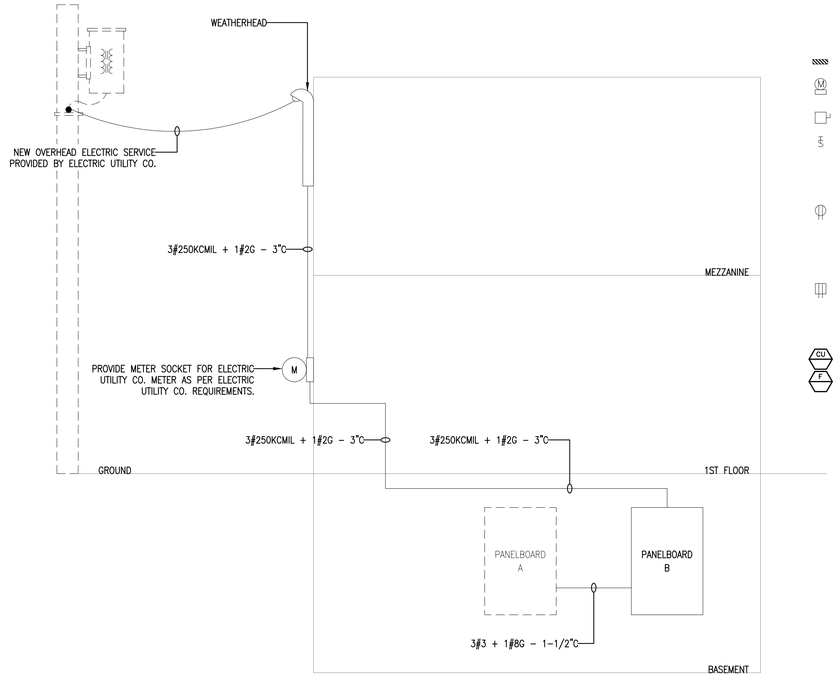


EXISTING POWER RISER DIAGRAM

NOT TO SCALE



RENOVATION POWER RISER DIAGRAM

NOT TO SCALE

ELECTRICAL LEGEND

POWER:

- SURFACE MOUNTED PANELBOARD
- METER SOCKET, PROVIDE AS PER ELECTRIC UTILITY CO. STANDARDS, METER BY ELECTRIC UTILITY CO.
- FUSED DISCONNECT SWITCH, "WP" INDICATES WEATHERPROOF.
- THERMAL OVERLOAD TOGGLE SWITCH

POWER OUTLETS:

- DUPLEX RECEPTACLE. FOLLOWING DESIGNATIONS SHALL APPLY TO ALL RECEPTACLE TYPES. ALL RECEPTACLES SHALL MOUNTED AT 18" A.F.F. TO CENTER, UNLESS OTHERWISE NOTED:
  "WP" = WEATHERPROOF
  "C" = CONDENSATE PUMP
- GROUND FAULT CIRCUIT INTERRUPTING DUPLEX RECEPTACLE.

MECHANICAL EQUIPMENT REQUIRING POWER:

- CU — CONDENSING UNIT
- F — GAS FIRED FURNACE

POWER NOTES:
1. THIS KEY APPLIES TO ALL RECEPTACLES, JUNCTION BOXES, DISCONNECT SWITCHES, THERMAL SWITCHES, ETC.

GENERAL NOTES:
1. WIRING AND CONDUIT SHALL BE REQUIRED BETWEEN ALL LIGHTING FIXTURES, RECEPTACLES, OUTLETS, ETC. INDICATED WITH CIRCUIT NUMBERS AND PANEL DESIGNATIONS. REFER TO SPECIFICATIONS FOR APPLICABLE MEANS AND METHODS.
2. ALTHOUGH ALL BRANCH CIRCUIT WIRE AND CONDUIT IS NOT SHOWN, IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED.
3. WIRING SHALL BE 2#12+#12G-1/2"C MINIMUM.

CIRCUITING KEY

NOT TO SCALE

PANELBOARD: **B** — **250 A, 240Y/120 V, 1PH, 3W, 60HZ**

AIC: 65,000

BUS RATING: 400A

MAIN LUG ONLY [ ]
MAIN CIRCUIT BREAKER [X]

FLUSH MOUNTED [ ]
SURFACE MOUNTED [X]

NOTES:	
LC =	VIA LIGHTING CONTROL PANEL
G =	GFCI - 5mA TRIP
P =	GFPE - 30 mA TRIP
S =	SHUNT TRIP
L =	PROVIDE LOCK ON CB
IG =	ISOLATED GROUND

SHUNT TRIP MAIN [ ]
200% RATED NEUTRAL [ ]
ISOLATED GROUND [ ]
FEED THRU LUGS [ ]
100% RATED MAIN BREAKER [ ]
GROUND FAULT MAIN C.B. [ ]
SERVICE RATED [X]

CKT No.		LOAD DESCRIPTION	Note	WIRE SIZE		CIRCUIT BREAKER 20/1	35/2	45/2	CCC	DDD	EEE	FFF	100/2
1		CU-1		8				1					
3													
5		CU-2		8				1					
7													
9		CU-3		8			1						
11													
13		CU-4		8			1						
15													
17		SPARE				1							
19		SPARE				1							
21		EXISTING PANELBOARD A		SEE RISER									1
23													
25		SPARE				1							
27		SPARE				1							
29		SPARE				1							

CKT No.		LOAD DESCRIPTION	Note	WIRE SIZE		CIRCUIT BREAKER 20/1	35/2	BBB	CCC	DDD	EEE	FFF	100/2
2		F-1		12		1							
4		F-2		12		1							
6		F-3		12		1							
8		F-4		12		1							
10		SPARE				1							
12		SPARE				1							
14		SPARE				1							
16		RECEPTACLE / CONDENSATE PUMP		12		1							
18		RECEPTACLE / CONDENSATE PUMP		12		1							
20		RECEPTACLE / CONDENSATE PUMP		12		1							
22		SPARE				1							
24		SPARE				1							
26		SPARE				1							
28		SPARE				1							
30		SPARE				1							

ELECTRICAL PANELBOARD SCHEDULE GENERAL NOTES:

1. FOR SINGLE POLE CIRCUIT BREAKERS, PROVIDE 2 WIRES + GROUND, UNLESS OTHERWISE NOTED (UON).
2. FOR TWO POLE CIRCUIT BREAKERS, PROVIDE 3 WIRES + GROUND, UON.
3. WIRE SIZES AS SHOWN ON PANEL SCHEDULES.

EXISTING ELECTRICAL EQUIPMENT LEGEND:

EXISTING ELECTRICAL EQUIPMENT WITHOUT A DESIGNATION IS TO REMAIN.

"X" INDICATES EXISTING ELECTRICAL EQUIPMENT WHICH IS TO BE REMOVED. PULL BACK WIRING AND CONDUIT BACK TO NEXT ACTIVE OUTLET OR POWER SOURCE.

NOTES:

1. DOTTED SYMBOLS INDICATE EXISTING ELECTRICAL EQUIPMENT.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THE CONTINUITY OF ALL EXISTING CIRCUITS WHICH ARE REMAINING.
4. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL ELECTRICAL EQUIPMENT, WIRING, CONDUIT, ETC. ASSOCIATED WITH EXISTING MECHANICAL, PLUMBING, AND FIRE PROTECTION EQUIPMENT SCHEDULED TO BE REMOVED. REFER TO DRAWINGS FOR LOCATIONS OF EQUIPMENT.

GRIFFITH & VARY, INC.
Consulting Engineers
12 Kendrick Road
Wareham, MA 02571
508-295-0050 (T)
508-295-0003 (F)
www.griffithandvary.com

FREEDOM HALL FURNACE REPLACEMENT

Cotuit, MA

Notes:

North Arrow

Keyplan

Drawing Name:
ELECTRICAL LEGENDS, SCHEDULES, AND RISERS

Scale: NONE
Job No:
Drawn By: FZIII
Date: Sept. 16, 2013

Drawing Number:
E-1