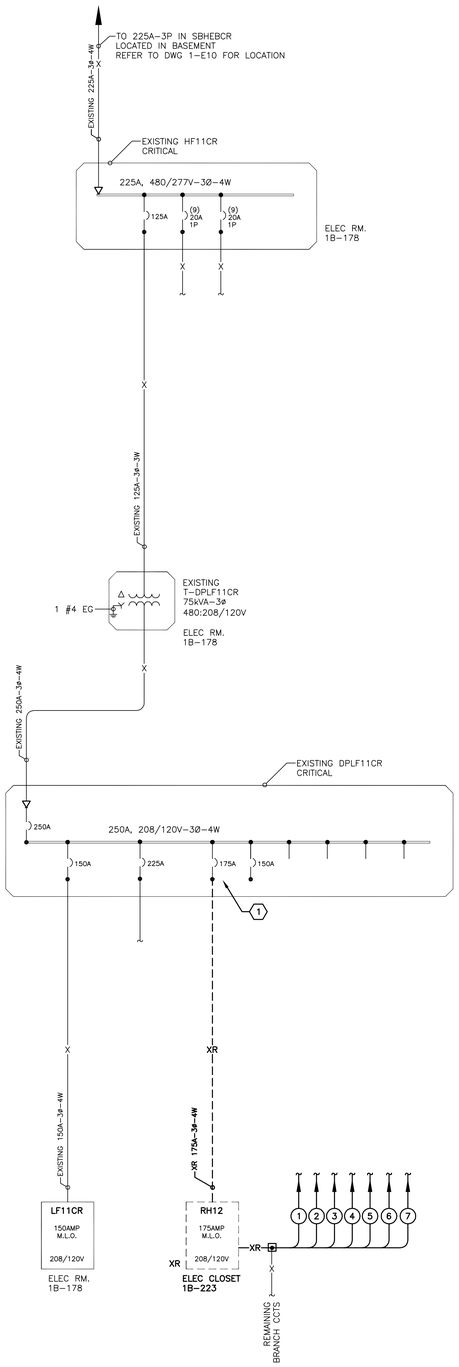
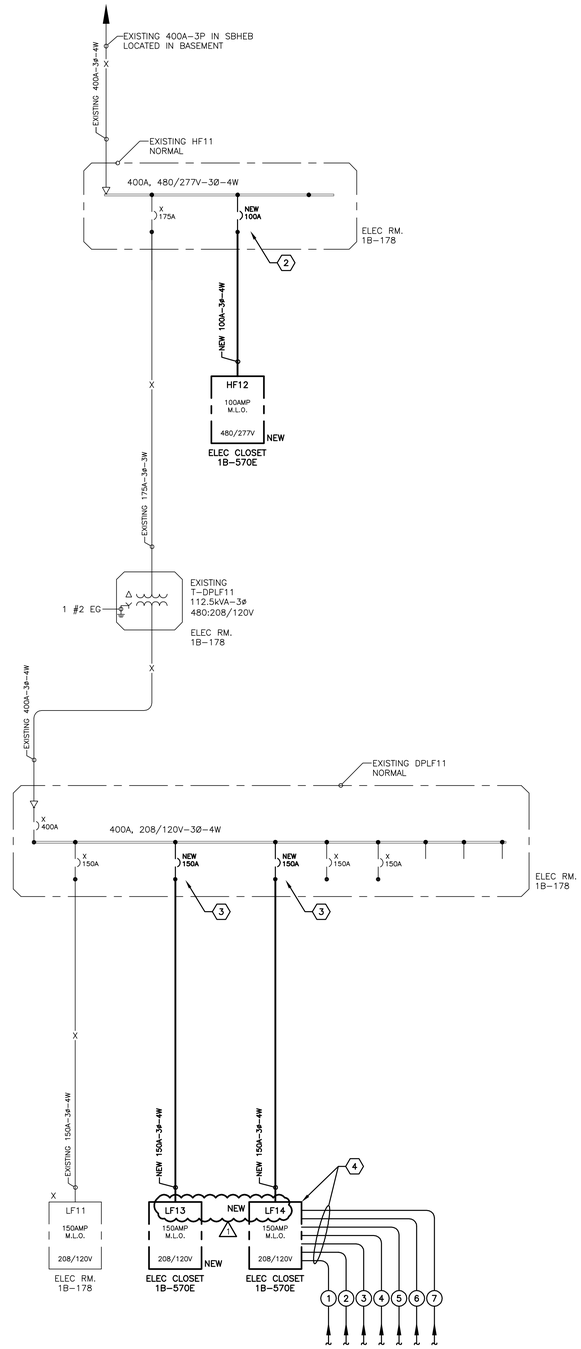


DEMO POWER DISTRIBUTION ONE-LINE DIAGRAM (1)

NOT TO SCALE



POWER DISTRIBUTION ONE-LINE DIAGRAM (2)

NOT TO SCALE

CODED NOTES:

1. LABEL EXISTED BREAKER AS SPARE AFTER DEMOLITION OF LOAD.
2. PROVIDE NEW 100A-3P BREAKER IN PANEL "HF11". EXISTING PANEL IS A CUTLER-HAMMER TYPE PRL2A. PROVIDE UPDATED, TYPED PANELBOARD SCHEDULE FOR EXISTING PANELBOARD AFTER CONNECTION OF NEW LOADS.
3. PROVIDE NEW 150A-3P BREAKER IN PANEL "DPLF11". EXSITING PANEL IS A CUTLER-HAMMER TYPE PRL3A. PROVIDE UPDATED, TYPED PANELBOARD SCHEDULE FOR EXISTING PANELBOARD AFTER CONNECTION OF NEW LOADS.
4. REFER TO "BRANCH CIRCUIT RECONNECTION TABLE" AND ASSOCIATED DETAILS ON SHEET 1-E10 FOR ADDITIONAL INFORMATION AND WORK REQUIREMENTS.

LEGEND: POWER DISTRIBUTION ONE-LINE

- EXISTING EQUIPMENT, FEEDER/CIRCUIT – TO BE DEMOLISHED
- EXISTING EQUIPMENT, FEEDER/CIRCUIT – TO REMAIN
- 400A-3ø-4W — NEW FEEDER/CIRCUIT AND FEEDER SIZE
- FUTURE EQUIPMENT, FEEDER/CIRCUIT – N.I.C.
- NAME — EQUIPMENT OUTLINE
- SPLICE JOINT FOR RECONNECTION OF EXISTING CIRCUITS TO NEW SOURCE
- 225AF 225AT — BOLTED STATIONARY CIRCUIT BREAKER – 3-POLE UNLESS OTHERWISE NOTED
  - GF – EQUIP BREAKER W/ GROUND FAULT TRIP
  - GFA – EQUIP BREAKER W/ GROUND FAULT ALARM
  - LSI – EQUIP BREAKER W/ ADJUSTABLE LONG, SHORT AND INSTANT. SETTINGS
- GROUNDING TERMINATION POINT FOR AN EQUIPMENT GROUNDING CONDUCTOR. CONNECTION SHALL BE MADE BY BONDING THE EQUIPMENT GROUNDING CONDUCTOR TO THE GROUNDED SERVICE CONDUCTOR AND THE GROUNDING ELECTRODE CONDUCTOR.
- # — CONDUIT REFERENCE TAG– REFER TO "BRANCH CIRCUIT RECONNECTION TABLE" FOR CONDUIT AND CONDUCTOR SIZING.

FEEDER SCHEDULE

ONE-LINE TAG	CONDUIT AND WIRE SIZE
50A-3ø-3W	0.75"C – 3 #6 AND 1 #10EG
70A-3ø-3W	1"C – 3 #4 AND 1 #8EG
100A-3ø-3W	1"C – 3 #2 AND 1 #8EG
100A-3ø-4W	1.25"C – 4 #2 AND 1 #8EG
150A-3ø-3W	1.5"C – 3 #1/0 AND 1 #6EG
150A-3ø-4W	1.5"C – 4 #1/0 AND 1 #6EG
175A-3ø-3W	1.5"C – 3 #2/0 AND 1 #6EG
175A-3ø-4W	2"C – 4 #2/0 AND 1 #6EG

FULLY SPRINKLERED

Addendum No. 1	6-04-12
Final For Bid	4-26-12
Revisions:	Date

CONSULTANTS:

FREDRICK, FREDRICK & HELLER ENGINEERS, INC.
672 EAST ROYALTON ROAD
BROADVIEW HTS., OHIO 44147
TEL. (440) 546-9696
FAX: (440) 546-9699

1100 West 9th Street
Cleveland, OH 44113-1003
216-875-0100/ (F) 216-875-0111
barberhoffman.com
BARBER & HOFFMAN, INC.
Consulting Engineers

STATE OF OHIO — M.P. LONG 58459 — REGISTERED PROFESSIONAL ENGINEER
11038

ARCHITECT:

Perspectus architecture
13212 Shaker Square Suite 204 Cleveland, Ohio 44120
P. 216.752.1800 F.216.752.3833

DESIGN AND CONSTRUCTION DOCUMENTS AS INSTRUMENTS OF SERVICE ARE GIVEN IN CONFIDENCE AND REMAIN THE PROPERTY OF PERSPECTUS ARCHITECTURE. THE USE OF THIS DESIGN AND THESE CONSTRUCTION DOCUMENTS ARE RESTRICTED TO THE SPECIFIC PROJECT NAMED HEREIN. THIS STRICTLY PROHIBITED WITHOUT THE EXPRESSED WRITTEN CONSENT OF PERSPECTUS ARCHITECTURE.

Drawing Title: **POWER DISTRIBUTION ONE-LINE DIAGRAM**

Approved: Project Director

Project Title: **RENOVATE MENTAL HEALTH CLINIC**

Location: **VAMC - WADE PARK**

Date: 4-26-12 | Checked: **MPL** | Drawn: **CPC**

Project Number: 541-13-101

Building Number: 1

Drawing Number: **1-E9**

Dwg. of

Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978