

SHEET KEYNOTES

- EXISTING PULL-BOX IN CEILING SPACE OF ELECTRICAL ROOM IN BASEMENT TO REMAIN.
- INSTALL NEW PANELS 12BN1 AND 12BN2 IN NEW ELECTRICAL ROOM E262-01 DURING PHASE 1 INCLUDING ALL CONDUIT ASSOCIATED WITH NEW PANELS. SEE E1103 FOR NEW PANEL LOCATIONS. DEMOLISH EXISTING PANELS 12B-1 AND 12B-2 INCLUDING ALL WIRE ASSOCIATED WITH PANELS. EXTEND NEW CONDUIT FOR PANEL 12BN1 AND 12BN2 TO NEW PANEL LOCATIONS IN ELECTRICAL ROOM E262-01. SEE RISER SHEET EE602 FOR NEW FEEDER AND CONDUIT ROUTING.
- INSTALL NEW CONDUITS FROM EXISTING PANELS 13B-1 & 13B-2 IN ROOM E301 TO FIRST FLOOR DEMOLITION AREA OF WORK. CONNECT NEW CONDUITS TO EXISTING CONDUIT ON FIRST FLOOR DEMOLITION AREA OF WORK. INSTALL NEW FEEDER CONDUCTORS BETWEEN EXISTING PANEL MDP-BB TO EXISTING PANELS 13B-1 & 13B-2 IN ROOM E301. SEE RISER SHEET EE602 FOR NEW FEEDER AND CONDUIT ROUTING.
- INSTALL NEW ATS 11 AND NEW PANEL EMPD-2 IN EXISTING ALARM ROOM E3. INSTALL NEW 400A 3-POLE CIRCUIT BREAKER IN EXISTING EMERGENCY NO NAME PANEL LOCATED IN EXISTING ELECTRICAL ROOM E103. INSTALL NEW FEEDER CONDUCTORS AND CONDUIT FROM EXISTING NO NAME EMERGENCY PANEL TO NEW ATS 11. INSTALL NEW 400 A 3-POLE CIRCUIT BREAKER IN EXISTING SWITCHBOARD SB1D. INSTALL NEW FEEDER CONDUCTORS AND CONDUIT FROM EXISTING SWITCHBOARD SB1D TO NEW ATS 11. INSTALL NEW FEEDER CONDUCTORS AND CONDUIT FROM ATS 11 TO NEW PANEL EMPD-2. SEE RISER SHEET EE602 FOR NEW FEEDER AND CONDUIT ROUTING.
- INSTALL NEW PANELS 12BEQ, 12BC1 AND 12BC2 IN ELECTRICAL ROOM E262-01. INSTALL NEW FEEDER CONDUCTORS AND CONDUIT FROM NEW PANEL EMPD-2 TO NEW PANELS 12BN1 AND 12BN2 LOCATED IN ELECTRICAL ROOM E262-01. SEE RISER SHEET EE602 FOR NEW FEEDER AND CONDUIT ROUTING.
- INSTALL NEW PANEL 12BLS IN ELECTRICAL ROOM E262-01. INSTALL NEW 100A 3-POLE CIRCUIT BREAKER IN EXISTING PANEL EMP. INSTALL NEW FEEDER CONDUCTORS AND CONDUIT FROM EXISTING PANEL EMP TO NEW PANEL 12BLS LOCATED IN ELECTRICAL ROOM E262-01. INSTALL NEW FEEDER CONDUCTORS AND CONDUIT FROM NEW PANEL 12BLS TO NEW PANEL 12BEQ-2 LOCATED IN ELECTRICAL ROOM E262-01. SEE RISER SHEET EE602 FOR NEW FEEDER AND CONDUIT ROUTING.
- PRIOR TO DEMOLITION OF EXISTING CONDUITS AND FEEDERS, ALL NEW FEEDERS AND CONDUIT SHALL BE INSTALLED TO THE CLOSEST TIE IN POINT TO MINIMIZE ANY DOWNTIME. NO SPLICING ALLOWED. FIELD VERIFY EXISTING WIRE SIZE. IF SPLICING IS REQUIRED, CONTRACTOR SHALL VERIFY WITH COR PRIOR TO INSTALLATION.
- INSTALL NEW PANEL PPM22 IN NEW LOCATION IN MECHANICAL ROOM M2-2. INSTALL NEW CONDUIT FROM NEW PANEL PPM22 LOCATION TO EXISTING CONDUIT FED FROM EXISTING PANEL MDP-BB. CONNECT NEW CONDUIT TO EXISTING CONDUIT ON FIRST FLOOR AREA OF WORK. SEE RISER SHEET EE602 FOR NEW FEEDER AND CONDUIT ROUTING.

FEEDER SCHEDULE

3 PHASE	2 WIRE	CONDUIT SIZE
20	(2) - #12 & #12G	3/4"
30	(2) - #10 & #10G	3/4"
40	(2) - #8 & #10G	3/4"
50	(2) - #6 & #10G	1"
60	(2) - #5 & #10G	1"
70	(2) - #4 & #8G	1-1/4"
3 PHASE	3 WIRE	CONDUIT SIZE
20	(3) - #12 & #12G	3/4"
30	(3) - #10 & #10G	3/4"
40	(3) - #8 & #10G	3/4"
50	(3) - #6 & #10G	1"
60	(3) - #5 & #10G	1"
70	(3) - #4 & #8G	1-1/2"
80	(3) - #3 & #6G	1-1/2"
90	(3) - #3 & #6G	1-1/2"
100	(3) - #2 & #6G	1-1/2"
125	(3) - #1 & #6G	1-1/2"
150	(3) - 1/0 & #6G	2"
175	(3) - 2/0 & #6G	2"
200	(3) - 3/0 & #6G	2"
225	(3) - 4/0 & #4G	2-1/2"
250	(3) - 250KCMILS & #4G	2-1/2"
300	(3) - 350KCMILS & #4G	3"
350	(3) - 400KCMILS & #4G	3"
400	(3) - 500KCMILS & #3G	3"
450	2 RUNS (3) - 4/0 & #2G	3"
500	2 RUNS (3) - 250KCMILS & #2G	3"
600	2 RUNS (3) - 350KCMILS & 1G	3"
700	2 RUNS (3) - 500KCMILS & 1/0G	3"
800	2 RUNS (3) - 600KCMILS & 1/0G	4"
1000	3 RUNS (3) - 400KCMILS & 2/0G	4"
1200	3 RUNS (3) - 600KCMILS & 3/0G	4"
3 PHASE	4 WIRE	CONDUIT SIZE
20	(4) - #12 & #12G	3/4"
30	(4) - #10 & #10G	3/4"
40	(4) - #8 & #10G	3/4"
50	(4) - #6 & #10G	1"
60	(4) - #5 & #10G	1"
70	(4) - #4 & #8G	1-1/2"
80	(4) - #3 & #8G	1-1/2"
90	(4) - #3 & #8G	1-1/2"
100	(4) - #2 & #8G	1-1/2"
125	(4) - #1 & #6G	1-1/2"
150	(4) - 1/0 & #6G	2"
175	(4) - 2/0 & #6G	2"
200	(4) - 3/0 & #6G	2"
225	(4) - 4/0 & #4G	2-1/2"
250	(4) - 250KCMILS & #4G	2-1/2"
300	(4) - 350KCMILS & #4G	3"
350	(4) - 400KCMILS & #4G	3"
400	(4) - 500KCMILS & #3G	3"
450	2 RUNS (4) - 4/0 & #2G	3"
500	2 RUNS (4) - 250KCMILS & #2G	3"
600	2 RUNS (4) - 350KCMILS & #2G	3"
700	2 RUNS (4) - 500KCMILS & 1/0G	3"
800	2 RUNS (4) - 600KCMILS & 1/0G	4"
1000	3 RUNS (4) - 400KCMILS & 2/0G	4"
1200	3 RUNS (4) - 600KCMILS & 3/0G	4"
FEEDER LEGEND		
4	TOP ROW	BOTTOM ROW
1200	3 = 3 WIRE	FEEDER SIZE
	4 = 4 WIRE	

PARTIAL NEW WORK ELECTRICAL RISER DIAGRAM - 2B (PHASE 1)

D1 NO SCALE

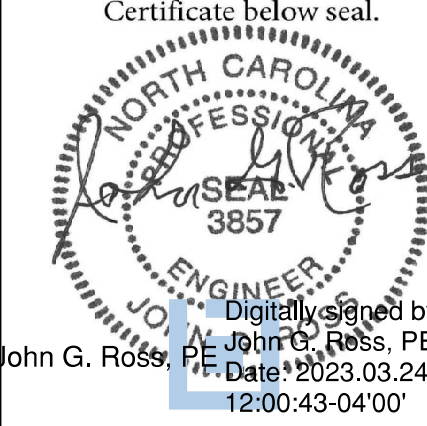
Revisions:	No.	Description	Date

CONSULTANTS:



8701 RED OAK BLVD, SUITE 500
CHARLOTTE, NC 28217
PHONE: 704.522.0405
WWW.BRITTPETERS.COM

Digital Signature not valid without Certificate below seal.



John G. Ross, P.E.
Date: 2023.03.24
12:00:43-04'00'

ARCHITECT / ENGINEERS:



8016 TOWER POINT DRIVE
CHARLOTTE, NC 28227
P 704.814.1320
F 704.321.0833

HG PROJECT: 18002
COPYRIGHT © 2021

Drawing Title:

RISER DIAGRAM

Project Phase:

BID DOCUMENTS

FULLY SPRINKLERED

Project Title:

RENOVATE MED SURGE
WARDS

Location:

VETERANS HEALTHCARE SYSTEM
OF THE OZARKS

Date:

MARCH 24, 2024

Checked:

LEH

Drawn:

CSR

Project Number:

564-17-140

Building Number:

1

Drawing Number:

EE602

Sheet 160 of 162

Engineering
Service



VA

U.S. Department
of Veterans Affairs