

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot
one sixteenth inch = one foot

SHEET KEYNOTES

- EXISTING PULL-BOX IN CEILING SPACE OF ELECTRICAL ROOM IN BASEMENT TO REMAIN
- INSTALL NEW PANEL 12BEQ-2 IN MECHANICAL ROOM M2-2 DURING PHASE 1 INCLUDING ALL CONDUIT ASSOCIATED WITH NEW PANEL. SEE EP103 FOR NEW PANEL LOCATION. DEMOLISH EXISTING PANEL 12BE-2 MOUNTED ON UNISTRUT RACK INCLUDING ALL WIRE ASSOCIATED WITH PANEL AND EXTEND EXISTING CONDUIT AND CONNECT TO NEW CONDUIT FOR PANEL 12BEQ-2 IN NEW LOCATION. SEE RISER SHEET EE602 FOR NEW FEEDER AND CONDUIT ROUTING.
- INSTALL NEW PANELS 12BEQ, 12BN1 AND 12BN2 IN NEW ELECTRICAL ROOM E262-01 DURING PHASE 1 INCLUDING ALL CONDUIT ASSOCIATED WITH NEW PANELS. DEMOLISH EXISTING PANELS 12BE, 12B-1 AND 12B-2 INCLUDING ALL WIRE ASSOCIATED WITH PANELS. DEMOLISH ALL CONDUIT FOR PANEL 12BE BACK TO SOURCE PANEL. 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.
- 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 PRIOT TO INSTALLATION.

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) - #6 & #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) - #6 & #10G	1"
70	(3) - #4 & #8G	1-1/2"
80	(3) - #3 & #8G	1-1/2"
90	(3) - #3 & #8G	1-1/2"
100	(3) - #2 & #8G	1-1/2"
125	(3) - #1 & #8G	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) - #6 & #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 & #8G	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 & #1G	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 DEMOLITION ELECTRICAL RISER DIAGRAM

NO SCALE

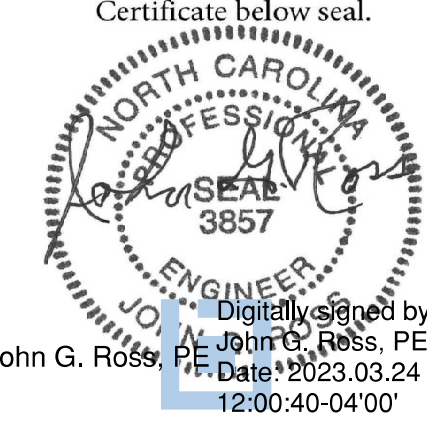
Revisions:	No.	Description	Date

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.



ARCHITECT / ENGINEERS:



8016 TOWER POINT DRIVE
CHARLOTTE, NC 28227
P 704.814.1320
F 704.321.0833
HDG PROJECT: 18002
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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:

EE601
Sheet 159 of 162

Engineering
Service



VA U.S. Department
of Veterans Affairs