FEEDER TYPE

XX	1	2	3	4	4T	5
XXX	1PH, 2W, +G	1PH, 3W, +G	3PH, 3W, +G	3PH, 4W, +G	3PH, 4W, +G	3PH, 5W, +G (200% NEUTRAL)
10	(2) #12 & (1) #12G – 3/4" C	(3) #12 & (1) #12G – 3/4" C	(3) #12 & (1) #12G – 3/4" C	(4) #12 & (1) #12G – 3/4" C	(4) #12 & (1) #8G – 3/4" C	(5) #12 & (1) #12G – 3/4" C
15	(2) #12 & (1) #12G – 3/4" C	(3) #12 & (1) #12G – 3/4" C	(3) #12 & (1) #12G – 3/4" C	(4) #12 & (1) #12G – 3/4" C	(4) #12 & (1) #8G – 3/4" C	(5) #12 & (1) #12G – 3/4" C
20	(2) #12 & (1) #12G – 3/4" C	(3) #12 & (1) #12G – 3/4" C	(3) #12 & (1) #12G – 3/4" C	(4) #12 & (1) #12G – 3/4" C	(4) #12 & (1) #8G – 3/4" C	(5) #12 & (1) #12G – 3/4" C
25	(2) #10 & (1) #10G – 3/4" C	(3) #10 & (1) #10G – 3/4" C	(3) #10 & (1) #10G – 3/4" C	(4) #10 & (1) #10G – 3/4" C	(4) #10 & (1) #8G – 3/4" C	(5) #10 & (1) #10G – 3/4" C
30	(2) #10 & (1) #10G – 3/4" C	(3) #10 & (1) #10G – 3/4" C	(3) #10 & (1) #10G – 3/4" C	(4) #10 & (1) #10G – 3/4" C	(4) #10 & (1) #8G – 3/4" C	(5) #10 & (1) #10G – 3/4" C
35	(2) #8 & (1) #10G – 3/4" C	(3) #8 & (1) #10G – 3/4" C	(3) #8 & (1) #10G – 3/4" C	(4) #8 & (1) #10G – 3/4" C	(4) #8 & (1) #8G – 3/4" C	(5) #8 & (1) #10G – 3/4" C
40	(2) #8 & (1) #10G – 3/4" C	(3) #8 & (1) #10G – 3/4" C	(3) #8 & (1) #10G – 3/4" C	(4) #8 & (1) #10G – 3/4" C	(4) #8 & (1) #8G – 3/4" C	(5) #8 & (1) #10G – 3/4" C
45	(2) #6 & (1) #10G – 3/4" C	(3) #6 & (1) #10G – 3/4" C	(3) #6 & (1) #10G – 3/4" C	(4) #6 & (1) #10G – 3/4" C	(4) #6 & (1) #8G – 1" C	(5) #6 & (1) #10G – 1" C
50	(2) #6 & (1) #10G – 3/4" C	(3) #6 & (1) #10G – 3/4" C	(3) #6 & (1) #10G – 3/4" C	(4) #6 & (1) #10G – 3/4" C	(4) #6 & (1) #8G – 1" C	(5) #6 & (1) #10G – 1" C
60	(2) #4 & (1) #10G – 1" C	(3) #4 & (1) #10G – 1" C	(3) #4 & (1) #10G – 1" C	(4) #4 & (1) #10G – 1 1/4" C	(4) #4 & (1) #8G – 1 1/4" C	(5) #4 & (1) #10G – 1 1/4" C
70	(2) #4 & (1) #8G – 1" C	(3) #4 & (1) #8G – 1 1/4" C	(3) #4 & (1) #8G – 1 1/4" C	(4) #4 & (1) #8G – 1 1/4" C	(4) #4 & (1) #8G – 1 1/4" C	(5) #4 & (1) #8G – 1 1/4" C
80	(2) #3 & (1) #8G – 1" C	(3) #3 & (1) #8G – 1 1/4" C	(3) #3 & (1) #8G – 1 1/4" C	(4) #3 & (1) #8G – 1 1/4" C	(4) #3 & (1) #8G – 1 1/4" C	(5) #3 & (1) #8G – 1 1/4" C
90	(2) #2 & (1) #8G – 1" C	(3) #2 & (1) #8G – 1 1/4" C	(3) #2 & (1) #8G – 1 1/4" C	(4) #2 & (1) #8G – 1 1/2" C	(4) #2 & (1) #8G – 1 1/2" C	(5) #2 & (1) #8G – 1 1/2" C
100	(2) #1 & (1) #8G – 1 1/4" C	(3) #1 & (1) #8G – 1 1/2" C	(3) #1 & (1) #8G – 1 1/2" C	(4) #1 & (1) #8G – 1 1/2" C	(4) #1 & (1) #6G – 1 1/2" C	(5) #1 & (1) #8G – 2" C
125		(3) #1 & (1) #6G – 1 1/2" C	(3) #1 & (1) #6G – 1 1/2" C	(4) #1 & (1) #6G – 1 1/2" C	(4) #1 & (1) #6G – 1 1/2" C	(5) #1/0 & (1) #6G – 2" C
150		(3) #1/0 & (1) #6G – 1 1/2" C	(3) #1/0 & (1) #6G – 1 1/2" C	(4) #1/0 & (1) #6G – 2" C	(4) #1/0 & (1) #6G – 2" C	(5) #2/0 & (1) #6G – 2" C
175		(3) #2/0 & (1) #6G – 2" C	(3) #2/0 & (1) #6G – 2" C	(4) #2/0 & (1) #6G – 2" C	(4) #2/0 & (1) #4G – 2" C	(5) #3/0 & (1) #6G – 2" C
200		(3) #3/0 & (1) #6G – 2" C	(3) #3/0 & (1) #6G – 2" C	(4) #3/0 & (1) #6G – 2" C	(4) #3/0 & (1) #4G – 2" C	(5) 250 kcmil & (1) #4G – 3" C
225		(3) #4/0 & (1) #4G – 2" C	(3) #4/0 & (1) #4G – 2" C	(4) #4/0 & (1) #4G – 2 1/2" C	(4) #4/0 & (1) #2G – 2 1/2" C	(5) 350 kcmil & (1) #4G – 3" C
250		(3) 250 kcmil & (1) #4G – 2 1/2" C	(3) 250 kcmil & (1) #4G – 2 1/2" C	(4) 250 kcmil & (1) #4G – 3" C	(4) 250 kcmil & (1) #2G – 3" C	(5) 350 kcmil & (1) #4G – 3" C
300		(3) 350 kcmil & (1) #4G – 2 1/2" C	(3) 350 kcmil & (1) #4G – 2 1/2" C	(4) 350 kcmil & (1) #4G – 3" C	(4) 350 kcmil & (1) #2G – 3" C	(5) 500 kcmil & (1) #3G – 3 1/2" C
350		(3) 500 kcmil & (1) #3G – 3" C	(3) 500 kcmil & (1) #3G – 3" C	(4) 500 kcmil & (1) #3G – 3 1/2" C	(4) 500 kcmil & (1) #1/0G – 3 1/2" C	(5) 600 kcmil & (1) #3G – 3 1/2" C
400		(3) 500 kcmil & (1) #3G – 3" C	(3) 500 kcmil & (1) #3G – 3" C	(4) 500 kcmil & (1) #3G – 3 1/2" C	(4) 500 kcmil & (1) #1/0G – 3 1/2" C	TWO (2) SETS OF (5) 250 kcmil & (1) #2G – 3" C
450		TWO (2) SETS OF (3) #4/0 & (1) #2G – 2" C	TWO (2) SETS OF (3) #4/0 & (1) #2G – 2" C	TWO (2) SETS OF (4) 4/0 & (1) #2G – 2 1/2" C	TWO (2) SETS OF (4) 4/0 & (1) #1/0G – 2 1/2" C	TWO (2) SETS OF (5) 350 kcmil & (1) #1G – 3" C
500		TWO (2) SETS OF (3) 250 kcmil & (1) #2G – 2 1/2" C	TWO (2) SETS OF (3) 250 kcmil & (1) #2G – 2 1/2" C	TWO (2) SETS OF (4) 250 kcmil & (1) #2G – 3" C	TWO (2) SETS OF (4) 250 kcmil & (1) #2/0G – 3" C	TWO (2) SETS OF (5) 350 kcmil & (1) #1G – 3" C
600		TWO (2) SETS OF (3) 350 kcmil & (1) #1G – 3" C	TWO (2) SETS OF (3) 350 kcmil & (1) #1G – 3" C	TWO (2) SETS OF (4) 350 kcmil & (1) #1G – 3" C	TWO (2) SETS OF (4) 350 kcmil & (1) #2/0G – 3" C	TWO (2) SETS OF (5) 500 kcmil & (1) #1G – 3" C
800		TWO (2) SETS OF (3) 500 kcmil & (1) #1/0G – 3" C	TWO (2) SETS OF (3) 500 kcmil & (1) #1/0G – 3" C	TWO (2) SETS OF (4) 500 kcmil & (1) #1/0G – 3 1/2" C	TWO (2) SETS OF (4) 500 kcmil & (1) #2/0G – 3 1/2" C	THREE (3) SETS OF (5) 500 kcmil & (1) #1/0G – 3 1/2" C
900			THREE (3) SETS OF (3) 350 kcmil & (1) #2/0G – 3" C	THREE (3) SETS OF (4) 350 kcmil & (1) #2/0G – 3" C	THREE (3) SETS OF (4) 350 kcmil & (1) #2/0G – 3" C	FOUR (4) SETS OF (5) 350 kcmil & (1) #2/0G – 3" C
1000			THREE (3) SETS OF (3) 500 kcmil & (1) #2/0G – 3" C	THREE (3) SETS OF (4) 500 kcmil & (1) #2/0G – 3 1/2" C	THREE (3) SETS OF (4) 500 kcmil & (1) #2/0G – 3 1/2" C	FIVE (5) SETS OF (5) 250 kcmil & (1) #2/0G – 3" C
1200			FOUR (4) SETS OF (3) 350 kcmil & (1) #3/0G – 3" C	FOUR (4) SETS OF (4) 350 kcmil & (1) #3/0G – 3" C	FOUR (4) SETS OF (4) 350 kcmil & (1) #3/0G – 3" C	FOUR (4) SETS OF (5) 500 kcmil & (1) #3/0G – 3 1/2" C
1600			FIVE (5) SETS OF (3) 500 kcmil & (1) #4/0G – 3" C	FIVE (5) SETS OF (4) 500 kcmil & (1) #4/0G – 3 1/2" C	FIVE (5) SETS OF (4) 500 kcmil & (1) #3/0G – 3 1/2" C	SIX (6) SETS OF (5) 500 kcmil & (1) #4/0G – 3 1/2" C
2000			SIX (6) SETS OF (3) 500 kcmil & (1) 500 kcmil G – 3 1/2" C	SIX (6) SETS OF (4) 500 kcmil & (1) 500 kcmil G – 3 1/2" C	SIX (6) SETS OF (4) 500 kcmil & (1) #3/0G – 3 1/2" C	SEVEN (7) SETS OF (5) 500 kcmil & (1) 250 kcmil G – 3 1/2" C
2500			SEVEN (7) SETS OF (3) 500 kcmil & (1) 350 kcmil G – 3 1/2" C	SEVEN (7) SETS OF (4) 500 kcmil & (1) 350 kcmil G – 3 1/2" C	SEVEN (7) SETS OF (4) 500 kcmil & (1) #3/0G – 3 1/2" C	NINE (9) SETS OF (5) 500 kcmil & (1) 350 kcmil G –4" C
3000			EIGHT (8) SETS OF (3) 500 kcmil & (1) 500 kcmil G – 3 1/2" C	EIGHT (8) SETS OF (4) 500 kcmil & (1) 500 kcmil G – 3 1/2" C	EIGHT (8) SETS OF (4) 500 kcmil & (1) #3/0G – 3 1/2" C	TEN (10) SETS OF (5) 500 kcmil & (1) 500 kcmil G – 4" C
3500			TEN (10) SETS OF (3) 500 kcmil & (1) 500 kcmil G – 3 1/2" C	TEN (10) SETS OF (4) 500 kcmil & (1) 500 kcmil G – 3 1/2" C	TEN (10) SETS OF (4) 500 kcmil & (1) #3/0G – 3 1/2" C	TWELVE (12) SETS OF (5) 500 kcmil & (1) 500 kcmil G – 4" C
4000			ELEVEN (11) SETS OF (3) 500 kcmil & (1) 500 kcmil G – 3 1/2" C	ELEVEN (11) SETS OF (4) 500 kcmil & (1) 500 kcmil G – 3 1/2" C	ELEVEN (11) SETS OF (4) 500 kcmil & (1) #3/0G – 3 1/2" C	FOURTEEN (14) SETS OF (5) 500 kcmil & (1) 500 kcmil G – 4" C

NOTES:

1. CONDUIT SIZES FOR TYPE THHN/THWN" CONDUCTORS ONLY. OTHER CONDUCTOR TYPES MAY REQUIRE INCREASED CONDUIT SIZE.
2. TOP NUMBER REFERS TO COLUMNS, BOTTOM NUMBER REFERS TO ROWS.
3. GROUND CONDUCTOR SPECIFIED IS EQUIPMENT GROUND PER NEC.
4. PROVIDE A 2 HR FIRE RATED FEEDER (TYPE RHH)

TRANSFORMER SCHEDULE

TAG	PRI: VOLTAGE	SEC: VOLTAGE	SIZE – KVA	COIL	TEMP RISE	TAPS	MOUNTING	REMARKS
T–1	480V, 3ø, 3W	208/120V, 3ø, 4W	300	COPPER	115°C	6AN, 2BN	FLOOR ON PAD	K13 RATED
T–2	480V, 3ø, 3W	208/120V, 3ø, 4W	45	COPPER	115°C	6AN, 2BN	FLOOR ON PAD	
T–3	480V, 3ø, 3W	208/120V, 3ø, 4W	75	COPPER	115°C	6AN, 2BN	FLOOR ON PAD	K13 RATED
T–4	480V, 3ø, 3W	208/120V, 3ø, 4W	75	COPPER	115°C	6AN, 2BN	FLOOR ON PAD	
T–5	480V, 3ø, 3W	208/120V, 3ø, 4W	45	COPPER	115°C	6AN, 2BN	FLOOR ON PAD	

FOR CONSTRUCTION
FULLY SPRINKLERED

Revisions: Date

CONSULTANTS:

HDR Architecture, Inc.
1101 King Street | Suite 400 | Alexandria, Virginia 22314-2944 | 703.518.8500

ARCHITECT/ENGINEERS:

ARCHITECTURE ENGINEERING INTERIOR DESIGN DESIGN/BUILD
ASTORINO
227 Fort Pitt Boulevard Pittsburgh Pennsylvania 15222
TEL 412 765 1700 FAX 412 765 1711 www.astorino.com

Drawing Title: **Transformer and Feeder Schedules**

Approved: Project Director

Project Title: **VA CARES CONSOLIDATION VAMC, PITTSBURGH, PA RESEARCH OFFICE BLDG.**

Location: **VAPHS UNIVERSITY DRIVE**

Date | Checked: **TMR** | Drawn: **LLG**

Project Number: **646CA2500R**

Building Number: **30**

Drawing Number: **EP6-104**

Dwg. of

Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

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