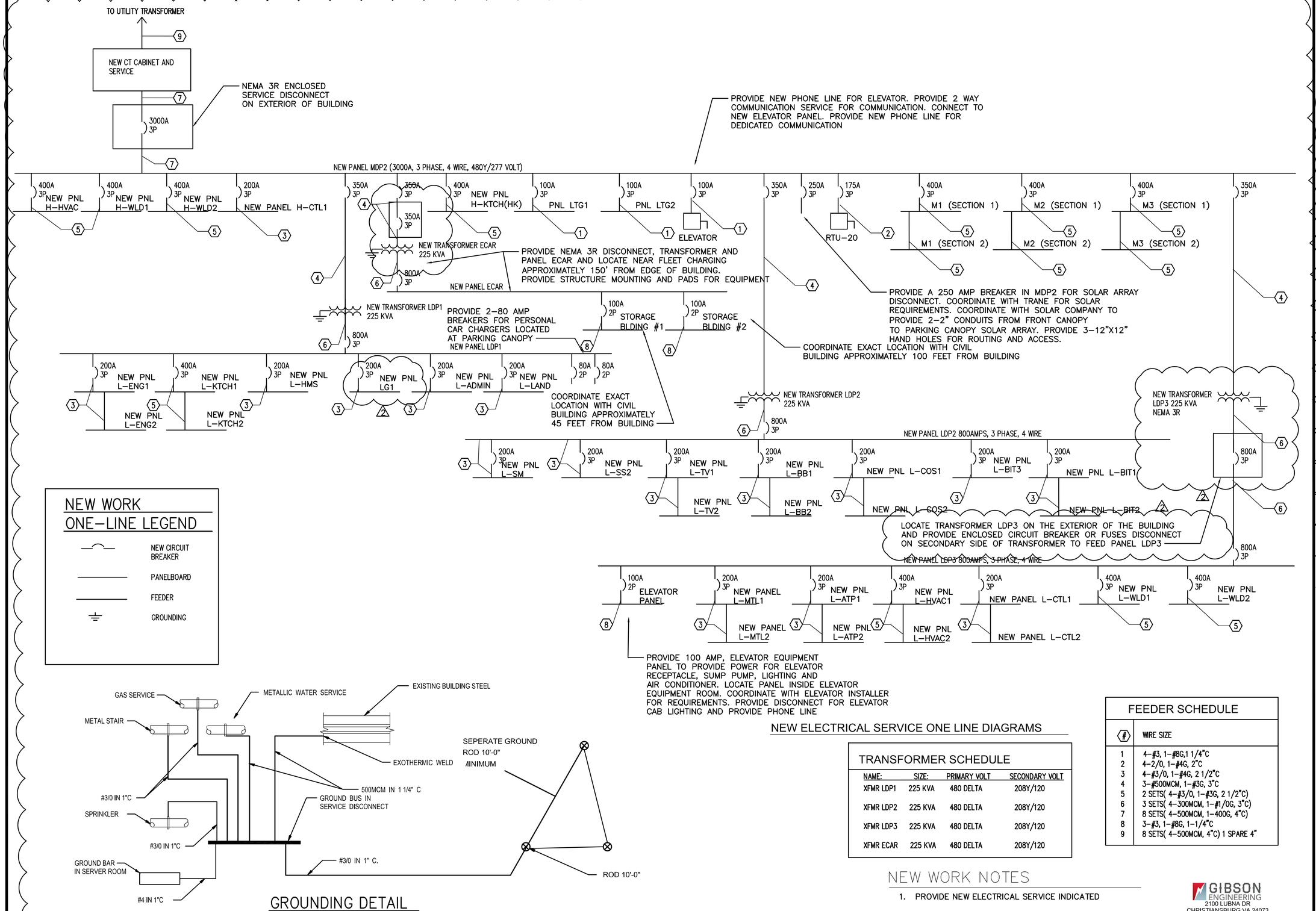

NEW WORK ONE-LINE LEGEND

- NEW CIRCUIT BREAKER
- PANELBOARD
- FEEDER
- GROUNDING

GROUNDING DETAIL

NEW ELECTRICAL SERVICE ONE LINE DIAGRAMS

TRANSFORMER SCHEDULE

NAME:	SIZE:	PRIMARY VOLT	SECONDARY VOLT
XFMR LDP1	225 KVA	480 DELTA	208Y/120
XFMR LDP2	225 KVA	480 DELTA	208Y/120
XFMR LDP3	225 KVA	480 DELTA	208Y/120
XFMR ECAR	225 KVA	480 DELTA	208Y/120

FEEDER SCHEDULE

(#)	WIRE SIZE
1	4-#3, 1-#8G,1 1/4"C
2	4-2/0, 1-#4G, 2"C
3	4-#3/0, 1-#4G, 2 1/2"C
4	3-#500MCM, 1-#3G, 3"C
5	2 SETS(4-#3/0, 1-#3G, 2 1/2"C)
6	3 SETS(4-300MCM, 1-#1/0G, 3"C)
7	8 SETS(4-500MCM, 1-400G, 4"C)
8	3-#3, 1-#8G, 1-1/4"C
9	8 SETS(4-500MCM, 4"C) 1 SPARE 4"

NEW WORK NOTES

1. PROVIDE NEW ELECTRICAL SERVICE INDICATED

GIBSON ENGINEERING
2100 LUBNA DR
CHRISTIANSBURG VA 24073
P. 540.998.6069

1/8"=1'-0" (8' 0 8 16)

GA Architecture
ARCHITECTURE INTERIORS PLANNING

COMMONWEALTH OF VIRGINIA
DANIEL W. GIBSON
Lic. No. 44271
6·17·22
PROFESSIONAL ENGINEER

RUFFNER CAREER AND TECHNICAL EDUCATION CENTER

ROANOKE, VIRGINIA

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REVISIONS

No.	DATE	DESCRIPTION
1	07/18/22	ADDENDUM 3
2	07/29/22	ADDENDUM 5

DRAWN BY:	DWG
REV'D BY:	DWG
DATE:	06/17/2022
SCALE:	AS SHOWN

ELECTRICAL ONE LINE NEW WORK PLAN

E-501

SHEET X of X