

**PHILANDER
SMITH
UNIVERSITY**

M.L. HARRIS
AUDITORIUM
RENOVATION

Volume _____

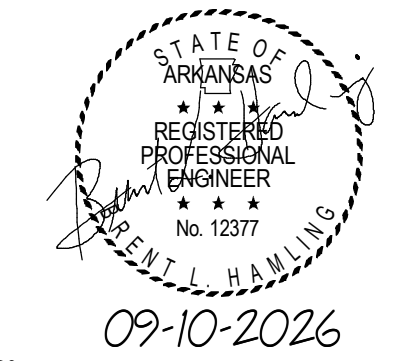
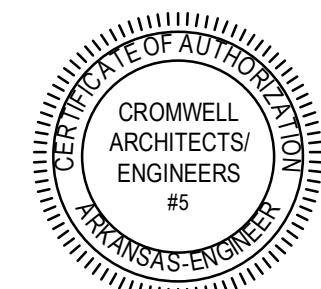
VOLUME 1

Design Phase _____

**CONSTRUCTION
DOCUMENTS**

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Stamp _____



Notes _____

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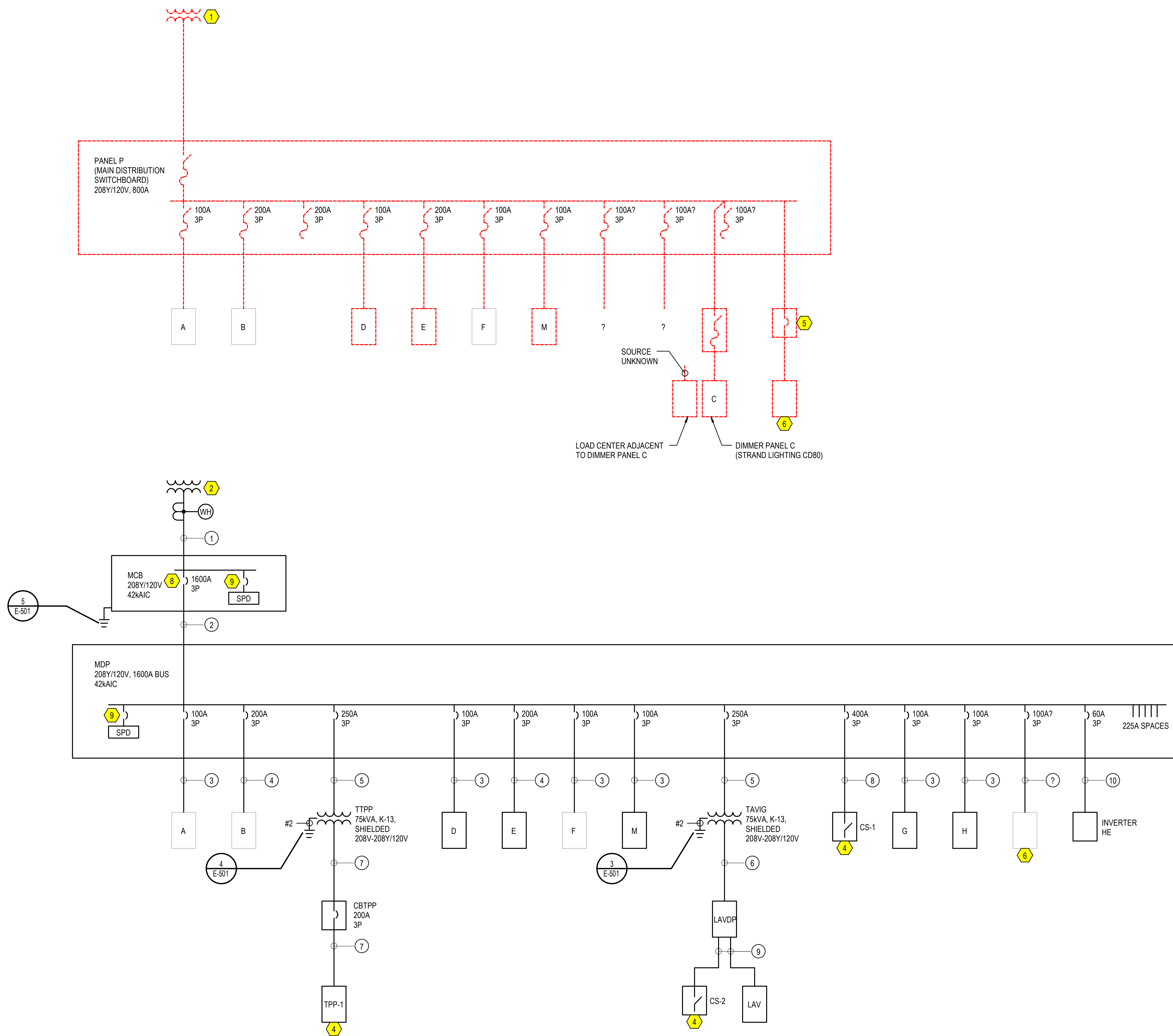
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Sheet Title _____

ELECTRICAL SINGLE-LINE DIAGRAMS

Sheet Number _____

E-603



GENERAL NOTES:

A. EXISTING CONDUITS MAY BE REUSED FOR FEEDERS WHERE CODE COMPLIANT.

B. FIELD VERIFY EXISTING SINGLE-LINE DIAGRAM. REFEED EXISTING EQUIPMENT WHICH MAY NOT BE IDENTIFIED.

KEYED NOTES:

- 1 DEMOLISH EXISTING ELECTRICAL SERVICE FROM POLE-MOUNT TRANSFORMERS SOUTH OF THE BUILDING. CONDUITS MAY BE ABANDONED IN PLACE.
- 2 COORDINATE TRANSFORMER AND METER REQUIREMENTS WITH ENERGY.
- 3 PROVIDE POWER QUALITY METER, PROGRAM METER TO LOG PEAK POWER DEMAND.
- 4 EQUIPMENT FURNISHED BY DIVISION 11.
- 5 ENCLOSED BREAKER LABELED "PANEL E MAIN COMPUTER ROOM."
- 6 REFEED EXISTING PANEL E. LOCATION UNKNOWN. APPEARS TO BE A DUPLICATE PANEL NAME.
- 7 REPLACE EXISTING PANELBOARD AND EXTEND AND RECONNECT EXISTING BRANCH CIRCUITS.
- 8 PROVIDE ARC FLASH ENERGY REDUCING MAINTENANCE SWITCH FOR THIS BREAKER.
- 9 PROVIDE SPD BREAKER AND CONDUCTORS AS RECOMMENDED BY MANUFACTURER.
- 10 PROVIDE 7.5KV INVERTER EQUAL TO MEYERS # 3-I-07-S-BA2006-0.

FEEDER SCHEDULE

NUMBER	SETS	PHASE CONDUCTORS (PER SET)	NEUTRAL CONDUCTORS (PER SET)	GROUND CONDUCTORS (PER SET)	ISOLATED GROUND CONDUCTORS (PER SET)	CONDUIT SIZE (PER SET)
1	5	3#400	1#400	-	-	4"
2	5	3#400	1#400	1#4/0	-	4"
3	1	3#1	1#1	1#8	-	1.5"
4	1	3#3/0	1#3/0	1#6	-	2"
5	1	3#250	-	1#4	-	2.5"
6	1	3#250	2#250	1#4	1#4	3"
7	1	3#250	2#250	1#4	-	3"
8	2	3#250	2#250	1#1	-	3"
9	1	3#1/0	2#1/0	1#6	1#6	2"
10	1	2#4	-	1#8	-	1"