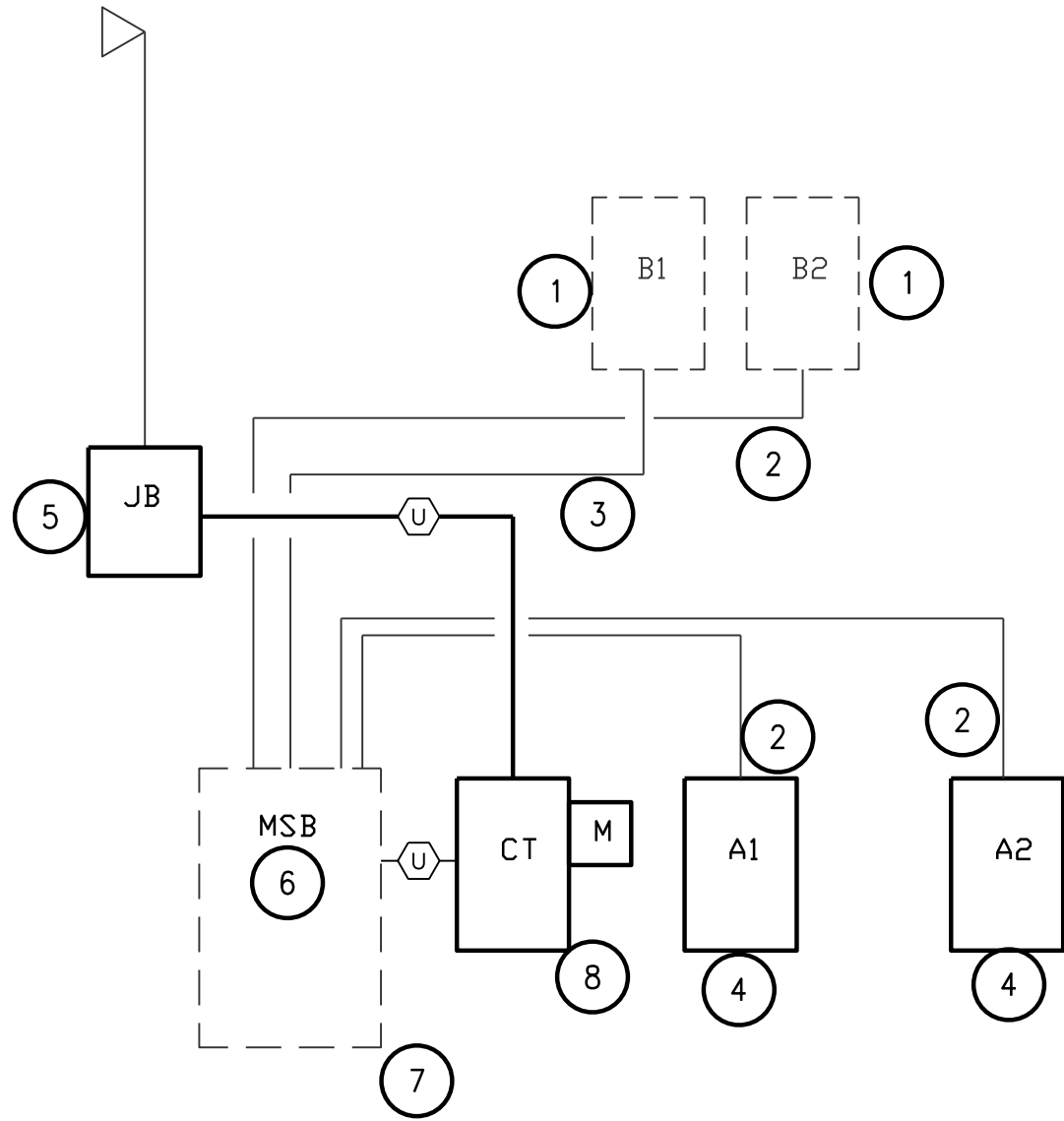


**RISER DIAGRAM — EXISTING DEMOLITION**  
A  
E5.0 SCALE: NTS



**RISER DIAGRAM — NEW WORK**  
B  
E5.0 SCALE: NTS

- KEYNOTES**
1. PROVIDE NEW COVERS FOR EXISTING PANELS TO REMAIN.
  2. FIELD VERIFY EXISTING FEEDER WIRE IS UNDAMAGED AND TEST CONTINUITY. MAINTAIN AND UTILIZE EXISTING CONDUCTORS IF POSSIBLE. CONFIRM AMPACITY OF CONDUCTORS IS 225A MINIMUM.
  3. EXISTING CONDUIT TO REMAIN. DEMOLISH TEMPORARY FEEDER WIRING TO THIS PANEL. COORDINATE WITH UTILITY COMPANY AND REMOVE ANY WIRING AT BUILDING EXTERIOR.
  4. REPLACE PANEL IN PLACE. RECONNECT TO EXISTING FEEDER (SEE KEYNOTE 2). REUSE EXISTING BRANCH CIRCUIT CONDUITS WHERE POSSIBLE.
  5. COORDINATE WITH UTILITY COMPANY FOR NEW WEATHERHEAD AND SERVICE EQUIPMENT REQUIREMENTS. PROVIDE NEW JUNCTION BOXES, WEATHERHEAD, CONDUITS, CABLING, CT BOX, METER BASE, ETC. AS REQUIRED. IF WEATHERHEAD CAN BE REUSED PER UTILITY COMPANIES APPROVAL, MODIFY AS REQUIRED. PROVIDE GALVANIZED STRUT RACK IF CT AND METER CANNOT BE WALL MOUNTED (COORDINATE LOCATION WITH ARCHITECT/UTILITY COMPANY).
  6. REPLACE MAIN BREAKER IN PANEL WITH NEW 600A/3P CIRCUIT BREAKER. PROVIDE ALL PANEL MODIFICATIONS AS REQUIRED.
  7. FIELD VERIFY SERVICE GROUNDING IS IN PLACE AND MEETS NEC 2020. PROVIDE NEW SERVICE GROUNDING AS REQUIRED.
  8. PROVIDE ALL METERING, CT, PULL BOX, ETC. EQUIPMENT AS REQUIRED BY UTILITY. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIREMENTS WITH UTILITY COMPANY AND PROVIDING ALL EQUIPMENT, WIRING, CONDUIT, CONNECTIONS, MODIFICATIONS, ETC. AS REQUIRED FOR A COMPLETE INSTALLATION. ALL ASSOCIATED COSTS SHALL BE INCLUDED IN BID.
  9. PROVIDE ALL LABELING AT SERVICE ENTRANCE AS REQUIRED BY NEC. COORDINATE WITH UTILITY COMPANY FOR AVAILABLE FAULT CURRENT AS REQUIRED FOR LABELING REQUIREMENTS.

COPPER FEEDER SCHEDULE				
MARK	CONDUCTORS	MIN. CONDUIT SIZE		
		4W+G	3W+G	2W+G
A	#12 WITH #12 GROUND	¾"	½"	½"
B	#10 WITH #10 GROUND	¾"	½"	½"
C	#8 WITH #10 GROUND	1"	¾"	¾"
D	#6 WITH #8 GROUND	1 ¼"	1"	1"
E	#4 WITH #8 GROUND	1 ½"	1 ¼"	1 ¼"
F	#3 WITH #8 GROUND	1 ½"	1 ¼"	1 ¼"
G	#2 WITH #6 GROUND	1 ½"	1 ¼"	1 ¼"
H	#1 WITH #6 GROUND	2"	1 ½"	1 ½"
I	#1/0 WITH #6 GROUND	2"	1 ½"	1 ½"
J	#2/0 WITH #6 GROUND	2"	2"	2"
K	#3/0 WITH #6 GROUND	2 ½"	2"	2"
L	#4/0 WITH #4 GROUND	2 ½"	2"	2"
M	#250KCMIL WITH #4 GROUND	3"	2 ½"	2 ½"
N	#300KCMIL WITH #4 GROUND	3"	2 ½"	2 ½"
O	#350KCMIL WITH #3 GROUND	3"	3"	3"
P	#400KCMIL WITH #3 GROUND	3"	3"	3"
Q	#500KCMIL WITH #3 GROUND	3 ½"	3"	3"
R	#600KCMIL WITH #2 GROUND	4"	3 ½"	3 ½"
S	#750KCMIL WITH #2 GROUND	4"	3 ½"	3 ½"
T	(2 SETS) #250KCMIL WITH #2 GROUND	3"	2 ½"	
U	(2 SETS) #350KCMIL WITH #1 GROUND	3"	3"	
V	(2 SETS) #400KCMIL WITH #1/0 GROUND	3"	3"	
W	(2 SETS) #500KCMIL WITH #1/0 GROUND	3 ½"	3"	
X	(3 SETS) #500KCMIL WITH #2/0 GROUND	3 ½"	3"	
Y	(4 SETS) #350KCMIL WITH #4/0 GROUND	4"	3 ½"	
Z	(4 SETS) #600KCMIL WITH #250 GROUND	4"	3 ½"	
NUMERIC SUBSCRIPT INDICATES QUANTITY OF CURRENT CARRYING CONDUCTORS. IF THERE IS NO SUBSCRIPT, PROVIDE FOUR CURRENT CARRYING CONDUCTORS (3 PHASE PLUS NEUTRAL). SUBSCRIPT "V" INDICATES THAT THE FEEDER HAS BEEN UPSIZED FOR VOLTAGE DROP. EXAMPLES: <b>D</b> <sub>3</sub> REPRESENTS 3#1 WITH #6 GROUND IN 1 ½" CONDUIT. <b>H</b> REPRESENTS 4 #1 WITH #6 GROUND IN 2" CONDUIT. SEE SPECIFICATIONS FOR CONDUIT AND WIRE INSULATION REQUIREMENTS.				



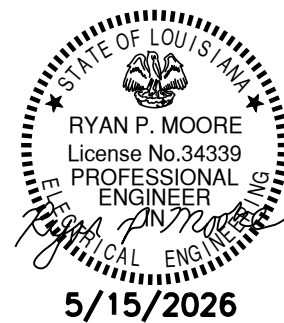
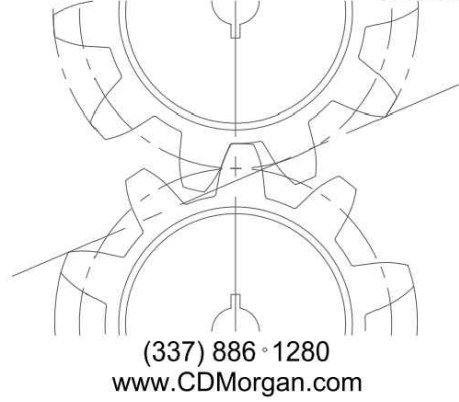
Job Title:

**Office of the State  
Public Defender  
District 8  
Office Building**

111 West Main Street  
Winnfield, LA 71483

**CDMorgan**

**& ASSOCIATES, INC.**  
ENGINEERING CONSULTANTS  
A PROFESSIONAL ENGINEERING AND ARCHITECTURAL  
CORPORATION



Seal:

May 15, 2026

**Construction Documents**

No.	Description	Date

KEY PLAN

**ELECTRICAL RISER  
DIAGRAM**

Project No.: BLO001-25 Drawn By: GP

**E5.0**

**OSPD**

Sheet No.: