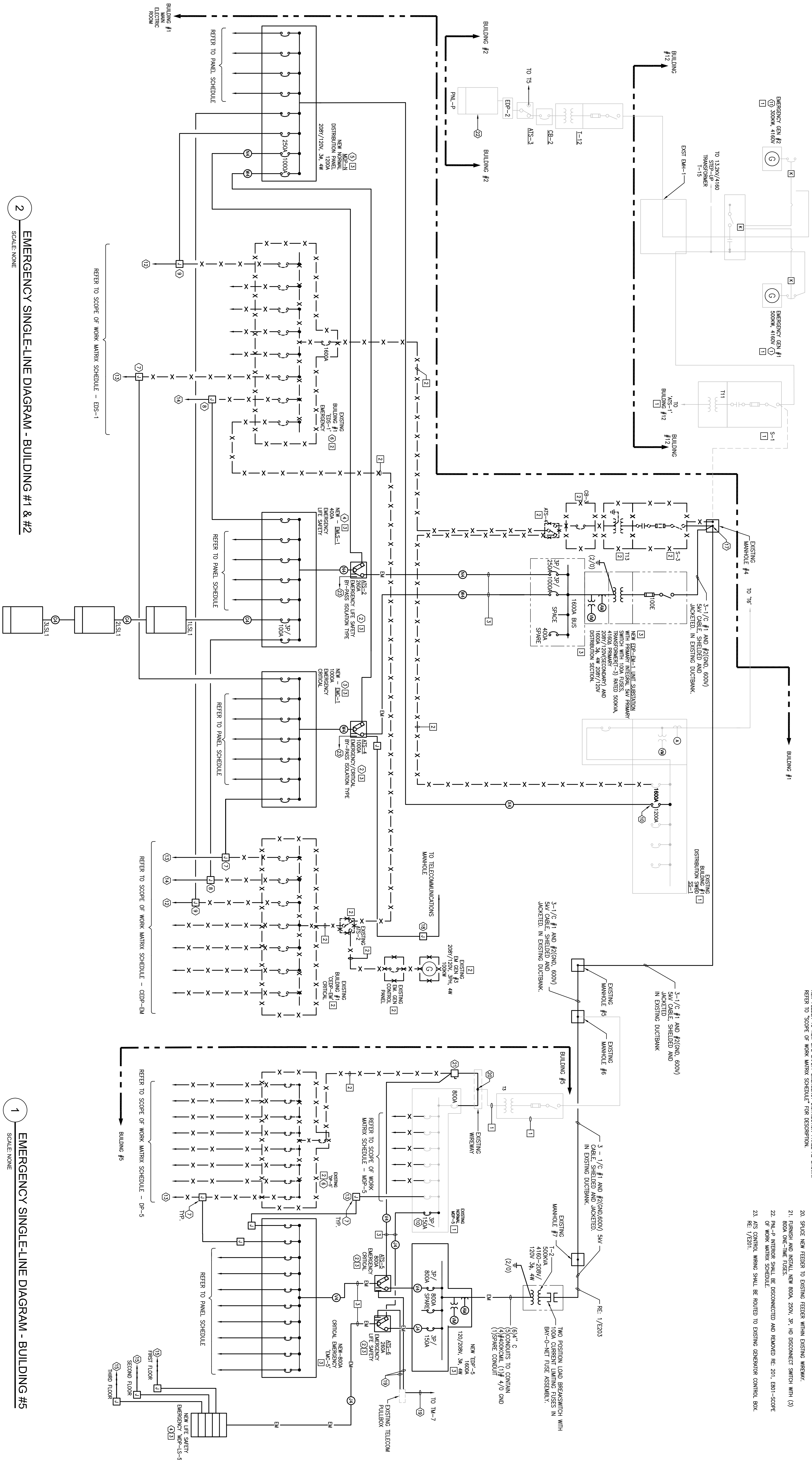


X FEEDER SCHEDULE						
FEEDER ID	OPRO	PHASE WIRING (AWG)	NEUTRAL WIRING (AWG)	EQUIP. GND (AWG)	MIN. CONDUIT SIZE	
K3	100	(3)/0	---	8	1-1/4	
K4	100	(1)/0	(1)/0	8	1-1/2	
K5	100	(3)/0	---	8	1-1/2	
K6	100	(3)/0	---	8	1-1/2	
K7	125	(3)/0	---	6	1-1/2	
K8	125	(3)/0	(1)/0	6	1-1/2	
K9	125	(3)/0	(1)/0	6	1-1/2	
K10	150	(3)/0	(1)/0	6	1-1/2	
K11	150	(3)/0	(1)/0	6	1-1/2	
K12	150	(3)/0	(1)/0	6	1-1/2	
K13	175	(3)/0	---	6	1-1/2	
K14	175	(3)/0	(1)/0	6	2	
K15	175	(3)/0	(2)/0	6	2	
K16	200	(3)/0	(1)/0	6	2	
K17	200	(3)/0	(2)/0	6	2	
K18	225	(3)/0	---	4	2-1/2	
K19	225	(3)/0	---	4	2	
K20	225	(3)/0	(1)/4	4	2-1/2	
K21	250	(3)/0	(2)/4	4	2-1/2	
K22	250	(3)/0	(1)/0	4	2-1/2	
K23	250	(3)/0	(2)/0	4	3	



2 CONSTRUCTION SCOPE ☒

1. EXISTING EQUIPMENT/FEEDER TO REMAIN AND BE REUSED.
2. EXISTING EQUIPMENT/FEEDER TO BE DISCONNECTED AND REMOVED.
3. NEW EQUIPMENT/FEEDER TO BE INSTALLED WITHIN SCOPE OF CONTRACT

CONSTRUCTION NOTES

1. EXISTING 500W EMERGENCY GENERATOR SHALL BE DISCONNECTED TO PROVIDE EMERGENCY STANDBY POWER FOR BUILDINGS NO. 1, NO. 5, AND NO. 12.
2. BATTERY STATION TRANSFER SWITCH INSTALLATION SHALL BE AS SHOWN IN NEC SCHEDULE 10 FOR DISCONNECTION OF EXISTING GENERATOR TO ALL EXISTING BUILDINGS.
3. NEW CRITICAL EMERGENCY DISTRIBUTION PANEL ALL EXISTING CRITICAL EMERGENCY SYSTEMS SHALL BE CLASSIFIED AS "ESSENTIAL" ELECTRICAL SYSTEMS.
4. EXISTING 500W EMERGENCY GENERATOR SHALL BE RECONNECTED TO PROVIDE EMERGENCY STANDBY POWER FOR BUILDING 22.
5. NEW LIFE SAFETY EMERGENCY DISTRIBUTION PANEL ALL EXISTING LIFE SAFETY EMERGENCY DESIGNED LOADS SHALL BE RE-CONNECTED TO THIS PANEL.
6. NEW NORMAL SYSTEM DISTRIBUTION PANEL, W/OP-W/V, ALL EXISTING NORMAL SYSTEM DESIGNED LOADS SHALL BE RE-CONNECTED TO THIS PANEL.
7. ALL EXISTING NORMAL SYSTEMS LOADS SHALL BE DISCONNECTED FROM EXISTING PANEL, AND TRANSFERRED TO NEW NORMAL DISTRIBUTION PANEL, W/OP-W/V(INCLUDING TRANSFERRED TO NEW NORMAL SYSTEMS PANEL, W/OP-W/V).
8. ALL EXISTING NORMAL SYSTEMS LOADS SHALL BE DISCONNECTED FROM EXISTING PANEL, AND TRANSFERRED TO NEW CRITICAL EMERGENCY DISTRIBUTION PANEL, W/OP-W/V(INCLUDING TRANSFERRED TO NEW CRITICAL EMERGENCY DISTRIBUTION PANEL, W/OP-W/V).
9. INSTALL NEW CORD COMPLIANT JUNCTION BOX ON EXISTING FEEDER, DISCONNECT EXISTING FEEDER TO NEW CRITICAL EMERGENCY DISTRIBUTION PANEL, EXTEND NEW FEEDER TO NEW CRITICAL EMERGENCY DISTRIBUTION PANEL, AS SHOWN, REFER TO SCOPE OF WORK MATRIX SCHEDULE FOR DISCONNECTION.
10. INSTALL NEW CORD COMPLIANT JUNCTION BOX ON EXISTING FEEDER, DISCONNECT EXISTING FEEDER TO NEW CRITICAL EMERGENCY DISTRIBUTION PANEL, EXTEND NEW FEEDER TO NEW CRITICAL EMERGENCY DISTRIBUTION PANEL, AS SHOWN, REFER TO SCOPE OF WORK MATRIX SCHEDULE FOR DISCONNECTION.
11. REWIRE SERVICE NEW FEEDER TO EXISTING FEEDER WITH JUNCTION BOX, EXTEND NEW FEEDER TO NEW CRITICAL EMERGENCY DISTRIBUTION PANEL, AS SHOWN, REFER TO SCOPE OF WORK MATRIX SCHEDULE FOR DISCONNECTION.
12. REWIRE SERVICE NEW FEEDER TO EXISTING FEEDER WITH JUNCTION BOX, EXTEND NEW FEEDER TO NEW CRITICAL EMERGENCY DISTRIBUTION PANEL, AS SHOWN, REFER TO SCOPE OF WORK MATRIX SCHEDULE FOR DISCONNECTION.
13. REWIRE SERVICE NEW FEEDER TO EXISTING FEEDER WITH JUNCTION BOX, EXTEND NEW FEEDER TO NEW CRITICAL EMERGENCY DISTRIBUTION PANEL, AS SHOWN, REFER TO SCOPE OF WORK MATRIX SCHEDULE FOR DISCONNECTION.
14. REWIRE SERVICE NEW FEEDER TO EXISTING FEEDER WITH JUNCTION BOX, EXTEND NEW FEEDER TO NEW CRITICAL EMERGENCY DISTRIBUTION PANEL, AS SHOWN, REFER TO SCOPE OF WORK MATRIX SCHEDULE FOR DISCONNECTION.
15. REWIRE SERVICE NEW FEEDER TO EXISTING FEEDER WITH JUNCTION BOX, EXTEND NEW FEEDER TO NEW CRITICAL EMERGENCY DISTRIBUTION PANEL, AS SHOWN, REFER TO SCOPE OF WORK MATRIX SCHEDULE FOR DISCONNECTION.
16. RE-USE EXISTING 277/800A CIRCUIT BREAKER.
17. INTERCEPT EXISTING SW CONDUCTORS AND MOUSE UNWIRE W/OP FOR CONNECTION TO EXISTING PANEL, TO BUILDING 1 AND 5.
18. EXISTING TO REMAIN GENERATOR CONTROL, WIRING AND DISCONNECTS, RE-USE EXISTING 277/800A CIRCUIT BREAKER.
19. PROVIDE 1" CONDUIT WITH 4" FITTING FOR TRANSFER SWITCH CONTROL, WIREMAN'S DISCRETION TO PROVIDE 4" FITTING.
20. SERVICE NEW FEEDER TO EXISTING FEEDER WITH EXISTING WIREMAN.
21. SERVICE AND INSTALL NEW CORD, 250V, 3P, 40 DISCONNECT SWITCH WITH (3) 15A CIRCUIT BREAKERS.
22. NEW BATTERY STATION SHALL BE DISCONNECTED AND REMOVED RE: 701.280-SCOPED OF WORK MATRIX SCHEDULE.
23. ALL CRITICAL WIRING SHALL BE ROUTED TO EXISTING GENERATOR CONTROL, BOX, RE: 7/2031.

NOTES:

100% SUBMISSION	07/18/08
Revisions:	Date

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Drawing title	Project title	Project Number
EMERGENCY SINGLE LINE DIAGRAM	Batavia Buildings 1,5&6 Electrical System Up-Grades	528A-07-10IES
Approved Project Director	Location	Revision Number
	Batavia, New York	1,5 & 6
• • •	Date	Drawing Number
	Sept. 5, 2008	E-701
	Drawn by P.M.C.	Dwg. of
	Checked J.P.R.	

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