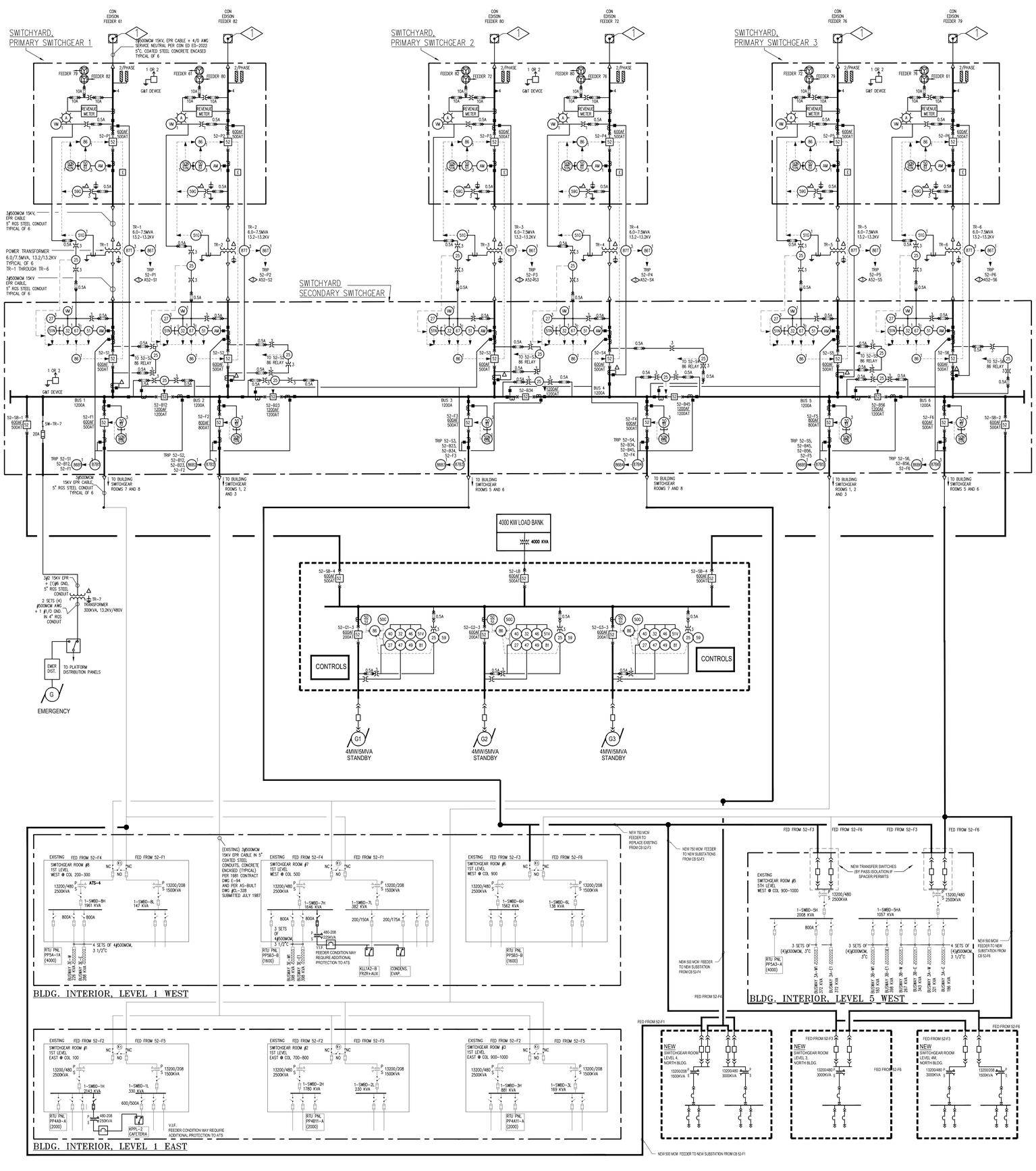


LEGEND:

- DRAW-OUT AC POWER CIRCUIT BREAKER (PCB) (FRAME SIZE SHOWN) 52/a 52/b VACUUM U.O.N. "52-XX" = POWER CIRCUIT BREAKER NUMBER
- DRAW OUT FUSE.
- WINDOW CURRENT TRANSFORMER ENCLOSING ONE PHASE CONDUCTOR: 1A SECONDARY ; N = NUMBER REQUIRED.
- 13,200/100 POTENTIAL INSTRUMENT TRANSFORMER N = NUMBER REQUIRED.
- TRANSFORMER: AA = AIR COOLED OA = OIL/AIR COOLED. FA = FAN/AIR COOLED.
- POLARITY INDICATION
- BROKEN DELTA CONNECTION
- DELTA CONNECTION
- WYE CONNECTION
- GROUND
- POTHEAD
- ELECTRICAL INTERLOCK
- PHASING RECEPTACLE
- ELECTRICALLY OPERATED GROUND AND TEST DEVICE (LIGHT SIDE ONLY) (OPERATE FROM CP)

PROTECTIVE RELAYS
25. SYNC CHECK RELAY
27. UNDERVOLTAGE RELAY
32. DIRECTIONAL POWER RELAY
50. INSTANTANEOUS OVERCURRENT RELAY
51. AC INVERSE TIME OVERCURRENT RELAY
52. AC POWER CIRCUIT BREAKER
59. OVERVOLTAGE RELAY
67. AC DIRECTIONAL OVERCURRENT RELAY
86. LOCKOUT RELAY
87. DIFFERENTIAL PROTECTIVE RELAY

PROTECTIVE RELAY SUFFIXES:
G GROUND
N NEUTRAL
T TRANSFORMER
B BUS

- CURRENT FLOW TO TRIP DIRECTIONAL RELAY 32 OR 67
- CONTROL FLOW
- NEON INDICATOR
- GROUND STUD
- AMMETER.
- VOLTMETER.
- AMBER LIGHT
- BUS DUCT

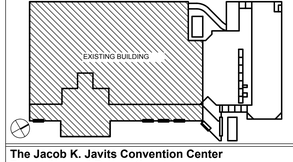
NOTES:
CURRENT TRANSFORMERS TO BE PROVIDED WITH SHORTING BLOCK.

- NEW CABLE SPLICE AT CONED SERVICE MANHOLE

GENERAL NOTES AND LEGEND

NOT FOR CONSTRUCTION

No.	Date	Revisions/Submissions



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FXFOWLE EPSTEIN JAVITS II ARCHITECTURE

Drawing Title
ELECTRICAL NEW ONE LINE AND PROTECTIVE RELAY DIAGRAM PARALLEL GEAR TO BUS

Seal	Drawn	Project No.
	Checked	File Name
	Reviewed	Drawing No.
	Date	SKE-512
	Scale N.T.S.	DOB Drawing No. of

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