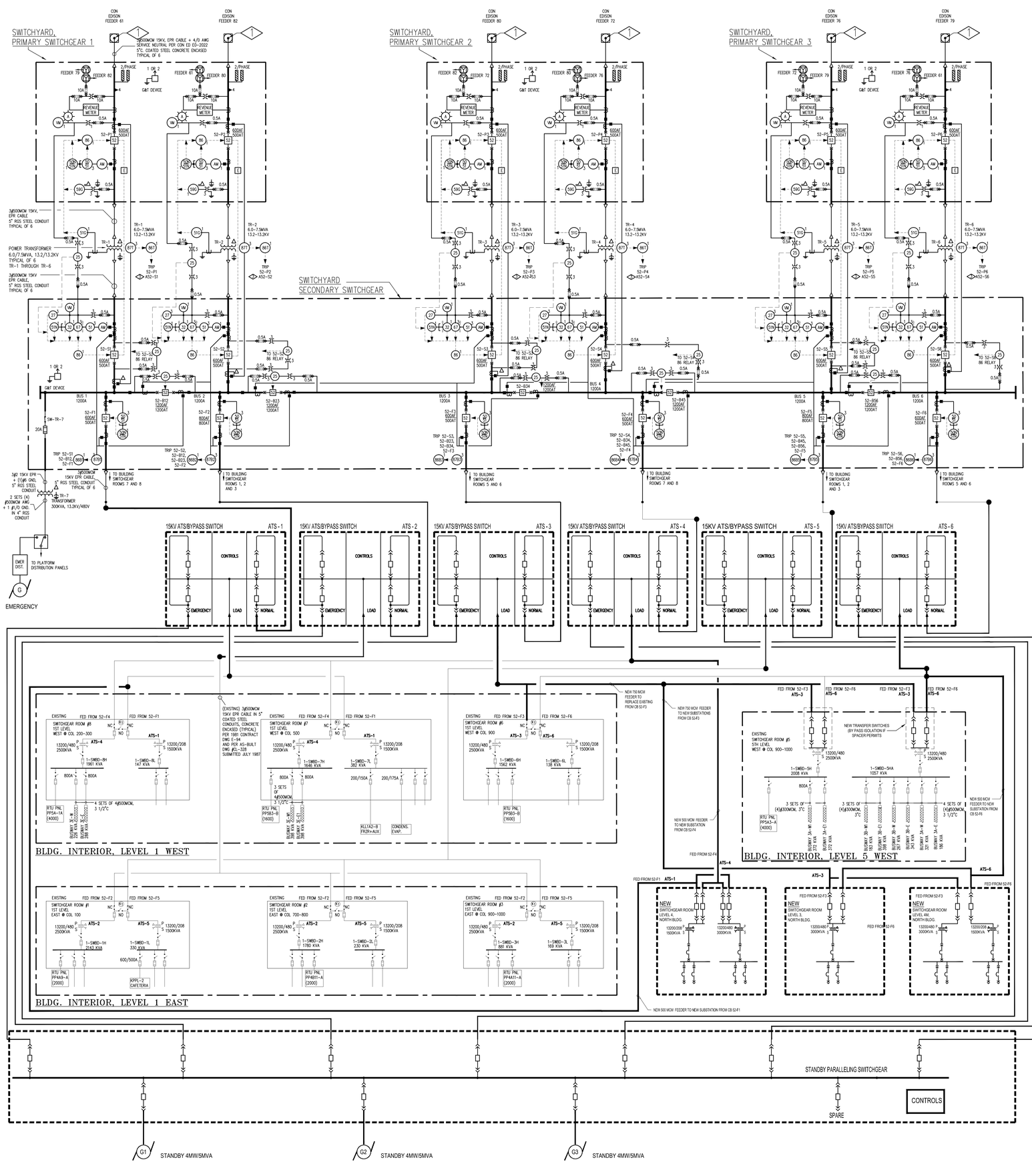


LEGEND:

- DRAW-OUT AC POWER CIRCUIT BREAKER (PCB) (FRAME SIZE SHOWN) 52/6 52/6 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.
- 13,200/120 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

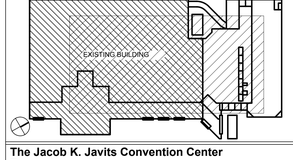
NOTES:
CURRENT TRANSFORMERS TO BE PROVIDED WITH SHORTING BLOCK.

- NEW CABLE SPLICE AT CONED SERVICE MANHOLE

GENERAL NOTES AND LEGEND

NOT FOR CONSTRUCTION

No.	Date	Revisions/Submissions



The Jacob K. Javits Convention Center Expansion and Renovation
655 W34th Street, New York, NY 10001

Convention Center Development Corp.
633 Third Avenue, 37th Floor, New York, NY 10017
Tel: 212 803 3100 Fax: 212 803 3734

FXFOWLE Epstein
330 W34th Street, 18th Floor, New York, NY 10001
Tel: 212 843 1800 Fax: 212 843 1818

Weidlinger Associates, INC
375 Hudson Street, 12th Floor, New York, NY 10014-3656
Tel: 212 367 3000 Fax: 212 367 3030 www.wai.com

WSP-Flack + Kurtz
512 Seventh Avenue, New York, NY 10018
Tel: 212 532 9600 Fax: 212 689 7489 www.wsp.group.com

Drawing Title
ELECTRICAL NEW ONE LINE AND PROTECTIVE RELAY DIAGRAM PARALLELING GEAR AND A.T.S. TO SUBSTATIONS

Seal	Drawn	Project No.
	Checked	File Name
	Reviewed	Drawing No.
	Date	SKE-508
	Scale N.T.S.	DOB Drawing No. of

©2016 Javits II Architecture, LLC. All rights reserved.