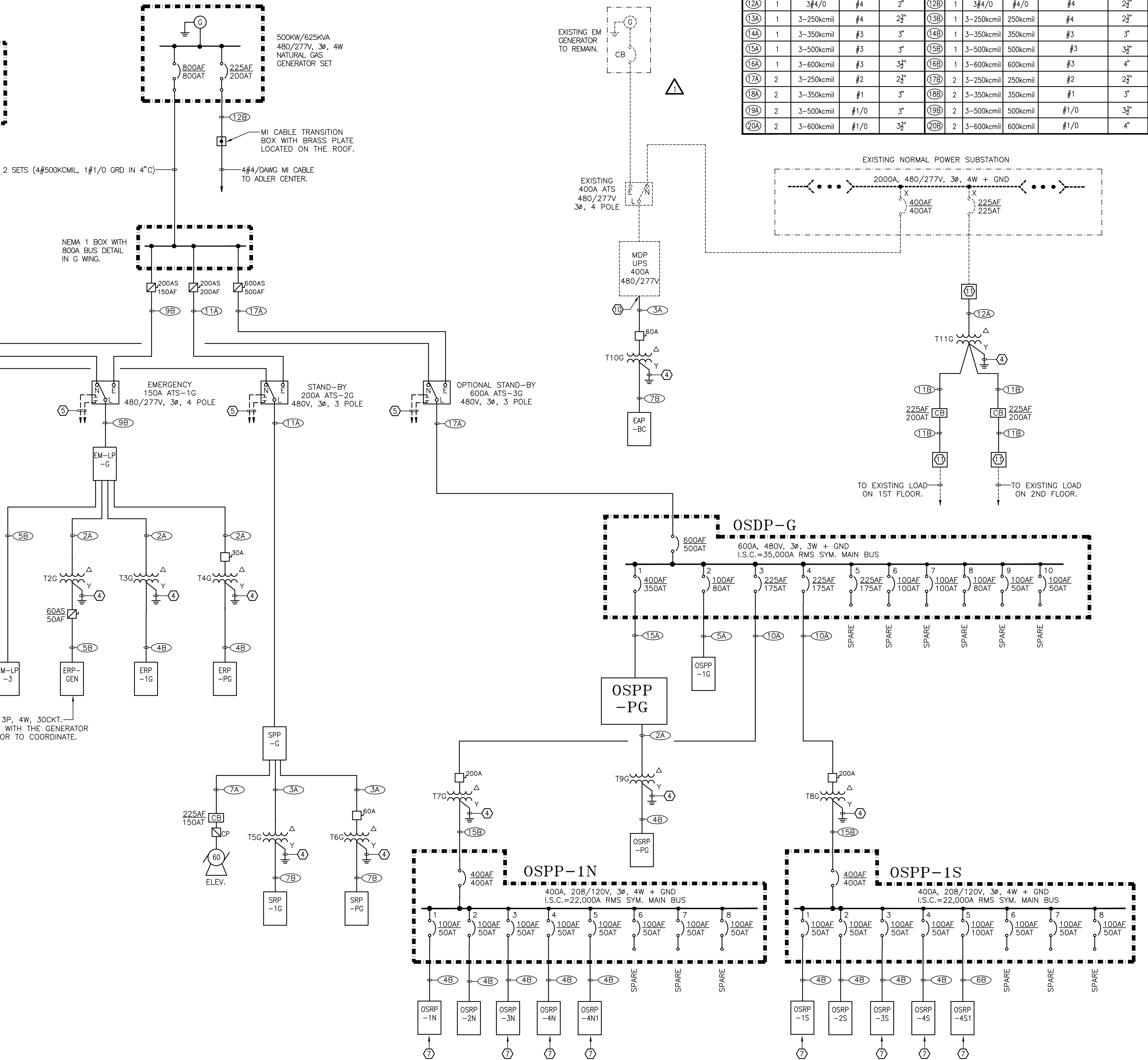


KEY NOTES:

- 1#500KCMIL GND IN 1-1/2" C TO GROUND BUS BAR.
- KIRK KEY INTERLOCK TO ALLOW CLOSING ONE SWITCH WHEN THE OTHER SWITCH IS OPEN.
- PROVIDE GROUND FAULT TYPE MAIN CIRCUIT BREAKER, PROVIDE COMPLETE SWITCHBOARD ASSEMBLY INCLUDING SENSORS, INDICATION, WIRING ETC.
- PROVIDE GROUNDING ELECTRODE CONDUCTOR IN CONDUIT TO THE NEAREST BUILDING STEEL. SIZE AS PER NEC 250.66.
- PROVIDE GENERATOR START CIRCUIT. SEE DRAWING E6.02G FOR DETAILS.
- PROVIDE SUBSTATION TRANSFORMER WITH INTERNAL FAN PACKAGE AND OVERLOAD CAPABILITY.
- PROVIDE PANELBOARD WITH SHUNT TRIP MAIN CIRCUIT BREAKER.
- PROVIDE CLASS 3000 METER BY E-MON D-MON. PROVIDE CTS AND ALL REQUIRED WIRING. PROVIDE CONNECTION TO THE BUILDING BMS SYSTEM OVER RS-485 NETWORK USING BAC-NET COMMUNICATION PROTOCOL. PROVIDE ALL REQUIRED ACCESSORIES AND WIRING FOR FULLY OPERATIONAL SYSTEM. COORDINATE WORK WITH BMS CONTRACTOR.

- 6"x6" WIRE TROUGH, LENGTH AS REQUIRED WITH HINGED FRONT COVER. PROVIDE INSULATED MULTI-PORT DOUBLE-SIDED ENTRY UNITAP MODEL B80 BY BUNDEY OR APPROVED EQUAL. SIZE AND NUMBER OF PORTS AS REQUIRED FOR INCOMING AND OUTGOING CONDUCTORS.
- PROVIDE NEW 3P/50A CIRCUIT BREAKER RATED FOR USE IN EXISTING PANEL. CONNECT NEW FEEDER TO THE NEW CIRCUIT BREAKER.
- NEMA 1 SPLICE BOX. SIZE AS REQUIRED BY NEC 314.28.

FEEDER SCHEDULE									
TYPE 'A' - 3 PH, 3 WIRE + GRD					TYPE 'B' - 3 PH, 4 WIRE + GRD				
TAG	SETS	PHASE	GROUND	CONDUIT	TAG	SETS	PHASE	CONDUCTOR (CU) THHN-THWN 75°	
1A	1	3#12	#12	3/4"	1B	1	3#12	#12	3/4"
2A	1	3#10	#10	3/4"	2B	1	3#10	#10	3/4"
3A	1	3#8	#10	3/4"	3B	1	3#8	#8	1"
4A	1	3#6	#10	1"	4B	1	3#6	#6	1"
5A	1	3#4	#8	1 1/2"	5B	1	3#4	#4	1 1/2"
6A	1	3#3	#8	1 1/2"	6B	1	3#3	#3	1 1/2"
7A	1	3#2	#6	1 1/2"	7B	1	3#2	#2	1 1/2"
8A	1	3#1	#6	1 1/2"	8B	1	3#1	#1	1 1/2"
9A	1	3#1/0	#6	1 1/2"	9B	1	3#1/0	#1/0	2"
10A	1	3#2/0	#6	2"	10B	1	3#2/0	#2/0	2"
11A	1	3#3/0	#4	2"	11B	1	3#3/0	#3/0	4"
12A	1	3#4/0	#4	2"	12B	1	3#4/0	#4/0	2 1/2"
13A	1	3-250kcmil	#4	2 1/2"	13B	1	3-250kcmil	250kcmil	2 1/2"
14A	1	3-350kcmil	#3	3"	14B	1	3-350kcmil	350kcmil	3"
15A	1	3-500kcmil	#3	3"	15B	1	3-500kcmil	500kcmil	3"
16A	1	3-600kcmil	#3	3 1/2"	16B	1	3-600kcmil	600kcmil	3 1/2"
17A	2	3-250kcmil	#2	2 1/2"	17B	2	3-250kcmil	250kcmil	2 1/2"
18A	2	3-350kcmil	#1	3"	18B	2	3-350kcmil	350kcmil	3"
19A	2	3-500kcmil	#1/0	3"	19B	2	3-500kcmil	500kcmil	3 1/2"
20A	2	3-600kcmil	#1/0	3 1/2"	20B	2	3-600kcmil	600kcmil	4"



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212 370 1776

Key Plan:

6/8/12	DCA FILING
7/19/12	ISSUED FOR BID
1/15/13	ISSUED FOR CONSTRUCTION
6/3/15	BULLETIN #30
12/07/15	BULLETIN #35
8/12/16	AS-BUILT CONSTRUCTION DOCUMENTS
2/17/17	BULLETIN #35 REVISED

Project:
G-WING RENOVATION & ADLER CENTER

Submission:
CONSTRUCTION DOCUMENTS

Drawing Title:
ELECTRICAL SINGLE LINE DIAGRAM G-WING

PROJECT NO: 102700 DATE: 6/8/12
RCNJ PROJ. NO: 08-240C SCALE: NONE

E4.03G