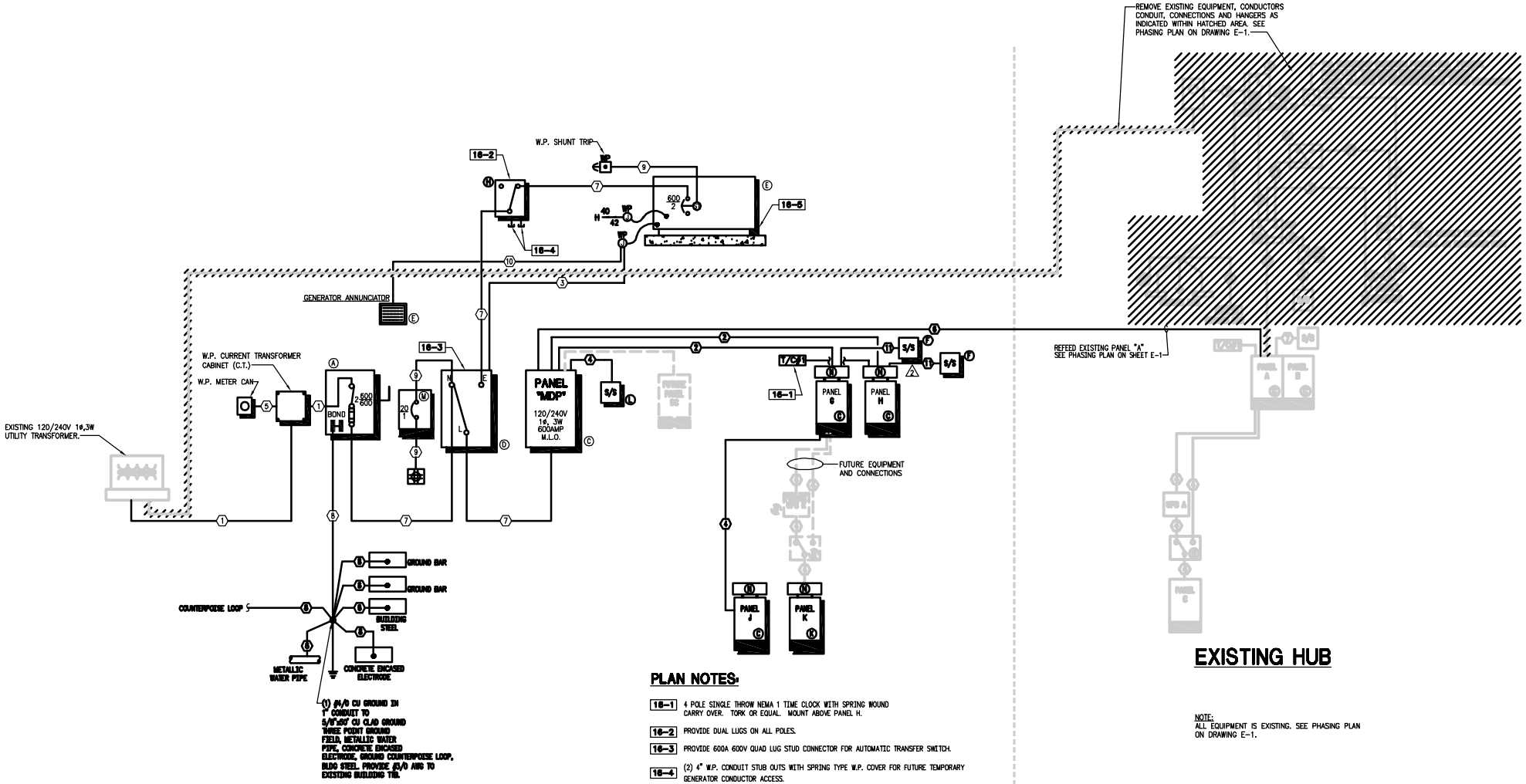
BRANCH CIRCUIT FEEDER SCHEDULE

SYMB	COPPER CONDUCTORS			CONDUIT
	PER/PHASE	PER/NEUTRAL	GROUND	
1	#400 KCMIL (2) SETS	#400 KCMIL (2) SETS	–	4" X 2 SETS
2	#500 KCMIL	#500 KCMIL	#3	4"
3	(12) #10 AWG TO GENSET	–	–	1 1/4" PLUS (1) 1" SPARE
4	#3	#3	#6	1 1/4"
5	#12 PULL WIRE	–	–	1-1/4"
6	#3/0	#3/0	#6	2"
7	#400 KCMIL (2) SETS	#400 KCMIL (2) SETS	#2/0 AWG (2) SETS	4" X 2 SETS
8	–	–	#4/0 AWG	1-1/4" PVC
9	#10 AWG	#10 AWG	#10 AWG	3/4"
10	#12 AWG X 10 SETS	–	–	1-1/4"
11	#6 AWG	#6 AWG	#6 AWG	1"
12	#1 AWG	#1 AWG	#6 AWG	1-1/2"

EQUIPMENT LEGEND

A	120/240V, 1ø, 3W 600 AMP FUSED NEMA 3R DISCONNECT SWITCH WITH 200 KAIC 600 AMP RATED FUSES.
B	FUTURE 120/240V, 1ø, 3W 125 AMP 2 POLE SOLID NEUTRAL WITH GROUND LUG 3 POSITION BYPASS SWITCH. (22K AIC RATED) NEMA 1. (PROVIDED BY OWNER, INSTALLED AND CONNECTED BY CONTRACTOR).
C	SEE PANEL DIRECTORY FOR REQUIREMENTS (DRAWING E-5).
D	120/240V, 1ø, 3W SOLID NEUTRAL 600 AMP AUTOMATIC TRANSFER SWITCH. PROVIDED BY OWNER, INSTALLED AND CONNECTED BY CONTRACTOR. EXPAND QUANTITY OF LUGS AS REQUIRED FOR ALL CABLE TERMINATIONS.
E	120/240V 1ø 150KW DIESEL GENERATOR AND ANNUNCIATOR WITH DOUBLE CONTAINMENT BASE MOUNT FUEL TANK. PROVIDED BY OWNER, OFFLOADED, SET-IN PLACE AND INSTALLED AND CONNECTED BY CONTRACTOR.
F	BRANCH TRANSIENT VOLTAGE SURGE SUPPRESSOR. INTERMATIC PG40-240-2S.
G	FUTURE 18 KVA UPS WITH BATTERY PACK (ALPHA #1800 EP) PROVIDED BY OWNER, INSTALLED AND CONNECTED BY CONTRACTOR
H	600 VOLT RATED 1ø, 3W 600 AMP 2 POLE 3-POSITION BYPASS SWITCH 22K AIC RATED, NEMA 3R WITH GROUND LUG AND SOLID NEUTRAL.
K	LOAD CENTER EMPTY BACK CAN ONLY. PROVIDE EMPTY BRANCH CONDUIT CONNECTION TO ABOVE FUTURE RACKS.
L	MAIN TRANSIENT VOLTAGE SURGE SUPPRESSOR. INTERMATIC PG-4501-240-2C
M	120V HEAVY DUTY 22KAIC, 1-POLE, 20 AMP ENCLOSED CIRCUIT BREAKER FOR COMM. POWER CONNECTION.
N	8"X8"X36" NEMA 1 HINGED COVER WIREWAY. INSTALL (2) 2-1/2" CONDUIT NIPPLES INTO EACH PANEL AS INDICATED. MOUNT ABOVE PANEL BOARDS.



HUB ADDITION

PLAN NOTES:

16-1 4 POLE SINGLE THROW NEMA 1 TIME CLOCK WITH SPRING WOUND CARRY OVER. TORK OR EQUAL. MOUNT ABOVE PANEL H.

16-2 PROVIDE DUAL LUGS ON ALL POLES.

16-3 PROVIDE 600A 600V QUAD LUG STUD CONNECTOR FOR AUTOMATIC TRANSFER SWITCH.

16-4 (2) 4" W.P. CONDUIT STUB OUTS WITH SPRING TYPE W.P. COVER FOR FUTURE TEMPORARY GENERATOR CONDUCTOR ACCESS.

EXISTING HUB

NOTE:
ALL EQUIPMENT IS EXISTING. SEE PHASING PLAN ON DRAWING E-1.

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