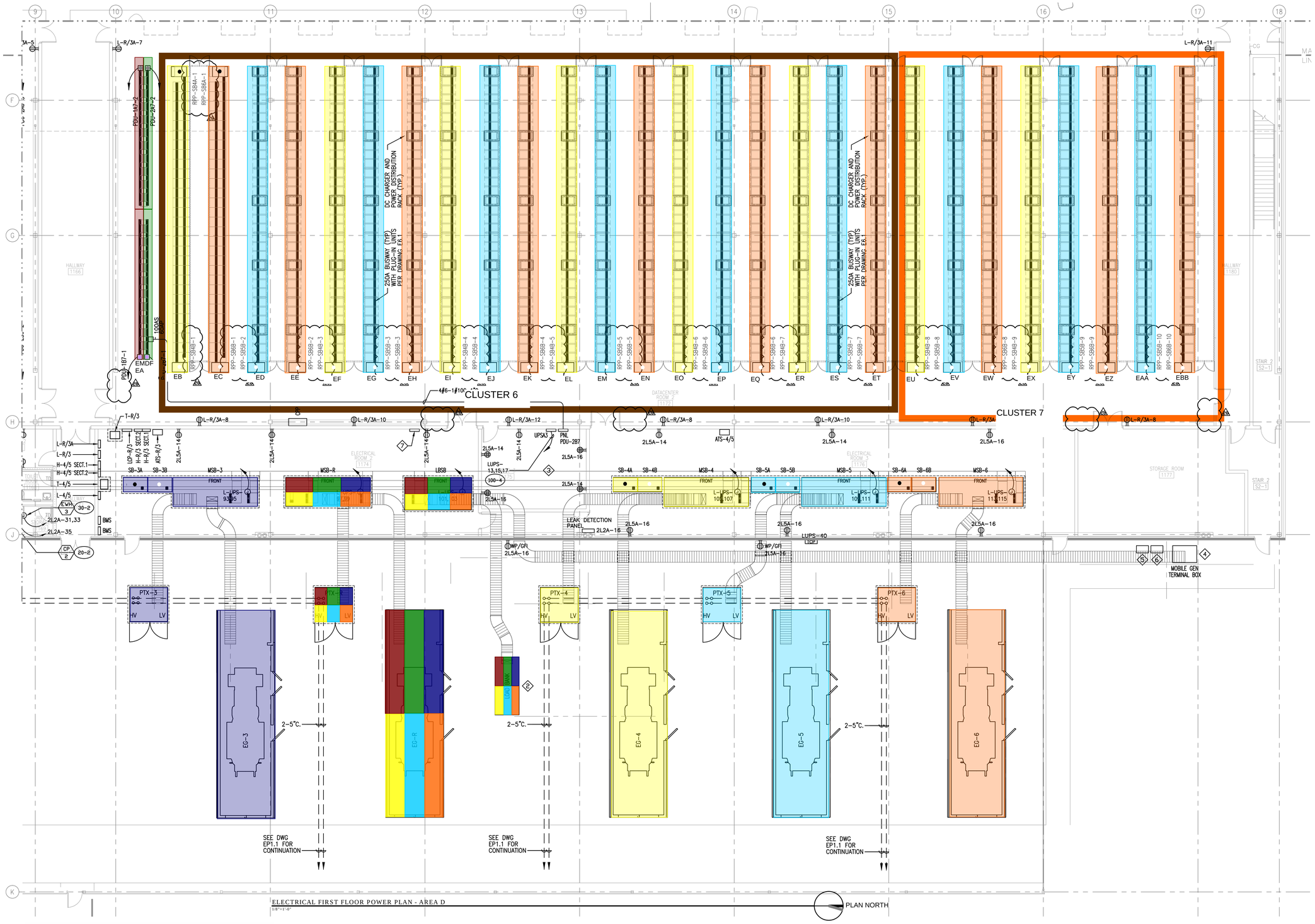

ELECTRICAL FIRST FLOOR POWER PLAN - AREA D

1/8"=1'-0"

PLAN NORTH

GENERAL NOTES:

1. PROVIDE ALL CONTROL, ALARM, BMS, AND INSTRUMENTATION INTERCONNECTION WIRING AND RACEWAY TO ALL EQUIPMENT BASED ON FINAL APPROVED SHOP DRAWINGS. THIS INCLUDES BUT IS NOT LIMITED TO ENGINE START SIGNAL, UPS SYNCH, BATTERY MONITORING, BATTERY DISC SWITCH CONTROL, REMOTE ANNUNCIATORS, ALL POWER MONITORING/BMS CONNECTIONS, LOAD BANK FAN CONTROL AND POWER, AND THE FOLLOWING EQUIPMENT:
   a. MAIN SWITCHBOARDS – MSB
   b. PADMOUNT TRANSFORMER – PTX
   c. ENGINE-GENERATOR – EG
   d. UNINTERRUPTIBLE POWER SYSTEMS – UPS
   e. POWER DISTRIBUTION UNITS – PDU
   f. RACK POWER PANELS – RPP
   g. POWER DISTRIBUTION RACK – PDR
   h. BATTERY RACKS AND SWITCHES
   i. UPS SYSTEM TIE CABINET – STC
   j. STATIC TRANSFER SWITCH – STS
2. PROVIDE HOUSEKEEPING PADS TO THE FOLLOWING EQUIPMENT: PTX, MSB, STC, UPS, SB, PDU'S AND BATTERY DISCONNECT SWITCH.

SHEET NOTES:

1. SUBFEED IDF AREA PANELBOARDS.
2. CONTRACTOR TO LAYOUT AND ORIENT LOAD BANK TO PREVENT AIR DISCHARGE DIRECTLY TO ADJACENT GENERATOR AND PTX.
3. SEE ENLARGED PLANS ON SHEET E6.3.
4. COORDINATE EXACT TERMINAL BOX LOCATION WITH OWNER PRIOR TO ROUGH-IN. PROVIDE POWER CIRCUIT FROM LBSB PER CIRCUIT SCHEDULE AND DRAWING E5.2.
5. PROVIDE NEMA 3R TERMINAL BOX WITH HINGED COVER, TERMINAL BLOCKS, AND WP CABLE ENTRY FROM TEMP GEN CONTROL AND BMS WIRING. PROVIDE ENGINE START-STOP WIRING FROM EACH MSB ATS CONTROLLER AND TERMINATE EACH CONDUCTOR TO ONE SIDE OF TERMINAL STRIP. PROVIDE BMS WIRING FOR SUPERVISION OF TEMP GEN.
6. PROVIDE TERMINAL BOX FOR AUX POWER TO TEMP GENERATOR. SEE 26-0050 PARAGRAPH 2.19. PROVIDE 208/120V 125 AMP CIRCUIT AND SEPARATE SYSTEM GROUNDING CONDUCTOR FOR NEUTRAL BONDING OF TEMP GENERATOR.
7. LOAD BANK REMOTE CONTROL PANEL. PROVIDE WIRING TO LOAD BANK PER APPROVED SHOP DRAWINGS.

Title: PRN1 AB 1st Floor Area D Power Plan

Engineer: Sarah Hanna | Date: 12/6/11

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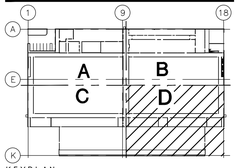

NO.	DESCRIPTION	DATE
28	BULLETIN 16	11/03/10
27	BULLETIN 15	10/28/10
26	BULLETIN 14	09/24/10
24	BULLETIN #12	8/06/10
-	ISSUED FOR PERMIT REVISIONS 2	7/29/10
22	BULLETIN #10	7/15/10
20	BULLETIN #8	06/11/10
19	BULLETIN #7	06/07/10
-	IFC	4/13/10
18	ISSUED FOR PERMIT REVISIONS	4/13/10
-	ISSUED FOR TENANT IMPROVEMENT REVISIONS	4/9/10
15	BULLETIN #5	3/22/10
13	ISSUED FOR TI REVISIONS	3/9/10

REGISTERED PROFESSIONAL ENGINEER
17,059
OREGON
MARCH 15, 1974
JOSEPH W. FAY
EXPIRES: 12/31/2011

PROJECT:

VITESSE
DATA CENTER

T15E R15S TAXLOT 311
CROOK COUNTY, OR.

DWG. TITLE:
ELECTRICAL FIRST FLOOR POWER PLAN - AREA D

JOB NO: 209215 | DWG. NO: EP2.1D
DATE:
SCALE: 1/8"=1'-0"
No. OF SHEETS ##