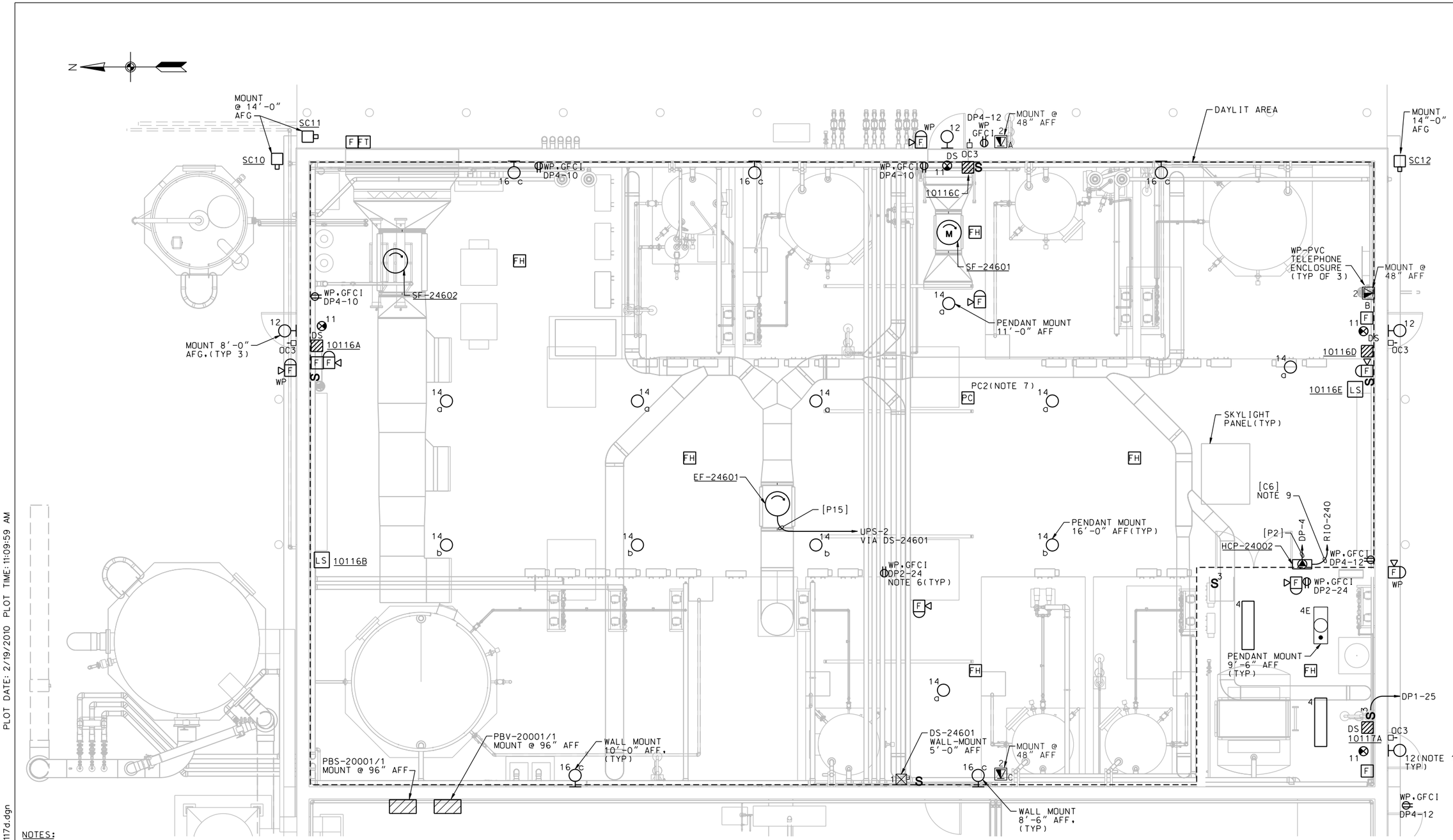

NOTES:

1. FURNISH, INSTALL AND CONNECT THE QUANTITY OF CONDUCTORS IN CONDUIT AS REQUIRED FOR THE COMBINATIONS OF LIGHTS AND LIGHT SWITCHES ASSIGNED TO THE BRANCH CIRCUITS SHOWN ON PANEL SCHEDULE DP-1.
2. FURNISH, INSTALL NO. 12 AWG WIRE WITH NO.12 AWG GROUND IN 3/4" CONDUIT FOR CIRCUIT LENGTHS LESS THAN 75 FEET. PROVIDE NO. 10 AWG WIRE SIZE FOR LENGTHS GREATER THAN 75 FEET.
3. FOR LUMINAIRE SCHEDULE AND LUMINAIRE NOTES, SEE DWG E-11 AND E-12.
4. FURNISH, INSTALL AND CONNECT THE QUANTITY OF CONDUCTORS IN CONDUIT AS REQUIRED FOR THE RECEPTACLES AND EQUIPMENT CONNECTIONS ASSIGNED TO THE BRANCH CIRCUITS SHOWN.
5. CIRCUIT NUMBERS ARE SHOWN ADJACENT TO RECEPTACLES. FOR EXAMPLE THE DP2-23 INDICATES CIRCUIT NO. 23 IN PANEL DP-2
6. USE LOW-VOLTAGE WALL SWITCHES FOR MANUAL-ON & OFF OF LIGHTING CIRCUITS "a", "b", AND "c". USE CEILING MOUNTED PHOTOCELL TYPE 'PC1' TO CONTROL LIGHTING CIRCUITS "a" AND "b" INSIDE THE DESIGNATED "DAY-LIT AREA" FOR HIGH-LOW LIGHTING. PHOTOCELL TYPE 'PC1' SHALL BE PROGRAMMED TO TURN OFF ALTERNATING LUMINAIRES OF LIGHTING CIRCUITS "a" AND "b" IF DAY-LIT LIGHTING LEVELS EXCEED 50 FOOT-CANDLES AT A HEIGHT OF 3'-0" AFF. SEE WIRING DIAGRAM ON DRAWING E-22.
7. MOUNT THE PHOTOCELL AS PER MANUFACTURER REQUIREMENTS.
8. TYPE "11" COMBINATION EMERGENCY EXIT LIGHT SHALL BE CONNECTED TO LIGHTING CIRCUIT "a".
9. INCLUDES TWO ADDITIONAL SPARE DISCRETE SIGNALS. PROVIDE 5'-0" COIL IN BOTH CONTROL PANELS AND IDENTIFY AS SPARE.
10. EACH TYPE "12" LIGHTING FIXTURE IS CONTROLLED BY ITS ADJACENT SENSOR TYPE "OC3". SENSOR TYPE "OC3" IS MOUNTED AT THE SAME HEIGHT AS TYPE "12" LIGHTING FIXTURE.
11. WIRING AND CONDUIT BETWEEN HCP-24002 AND HVAC CONTROL DEVICES ARE BY OTHERS.

SEE DRAWING E-8 FIRE SYSTEM RISER DIAGRAM FOR ADDITIONAL WIRING INTERCONNECTION REQUIREMENTS.

PLAN

SCALE: 1/4" = 1'-0"

REGISTERED PROFESSIONAL ENGINEER RANDALL S. DENTON No. 10438 Exp. 09/30/10 ELECTRICAL STATE OF CALIFORNIA

DATE: 10/05/09

SYMBOL	DESCRIPTIONS	DATE	APPROVAL

REVISIONS

EASTERN MUNICIPAL WATER DISTRICT
PERRIS II DESALINATION FACILITY
PERRIS, CALIFORNIA

CHEMICAL STORAGE AREA POWER AND LIGHTING PLAN

DESIGNED BY: A MATHEWS
DRAWN BY: J HAMNER
CHECKED BY: R DENTON

U.S. ARMY ENGINEER DISTRICT
LOS ANGELES
CORPS OF ENGINEERS

CH2MHILL

SUBMITTED BY:
ART JUNG, P.E.
CHIEF, DESIGN BRANCH

CADD FILE NAME: PDFe117d.dgn
SPEC. NO.: NOT APPLICABLE
L.A. DISTRICT FILE NO. XXX-XXXX

E-27

SHEET 172 OF 226 SHEETS

PLOT DATE: 2/19/2010 PLOT TIME: 11:09:59 AM

NDM-SCO:EMWD USACE PERRIS II/ PDFe117d.dgn