DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	312 R3	1204

REGISTERED ELECTRICAL ENGINEER 12/19/02 DATE

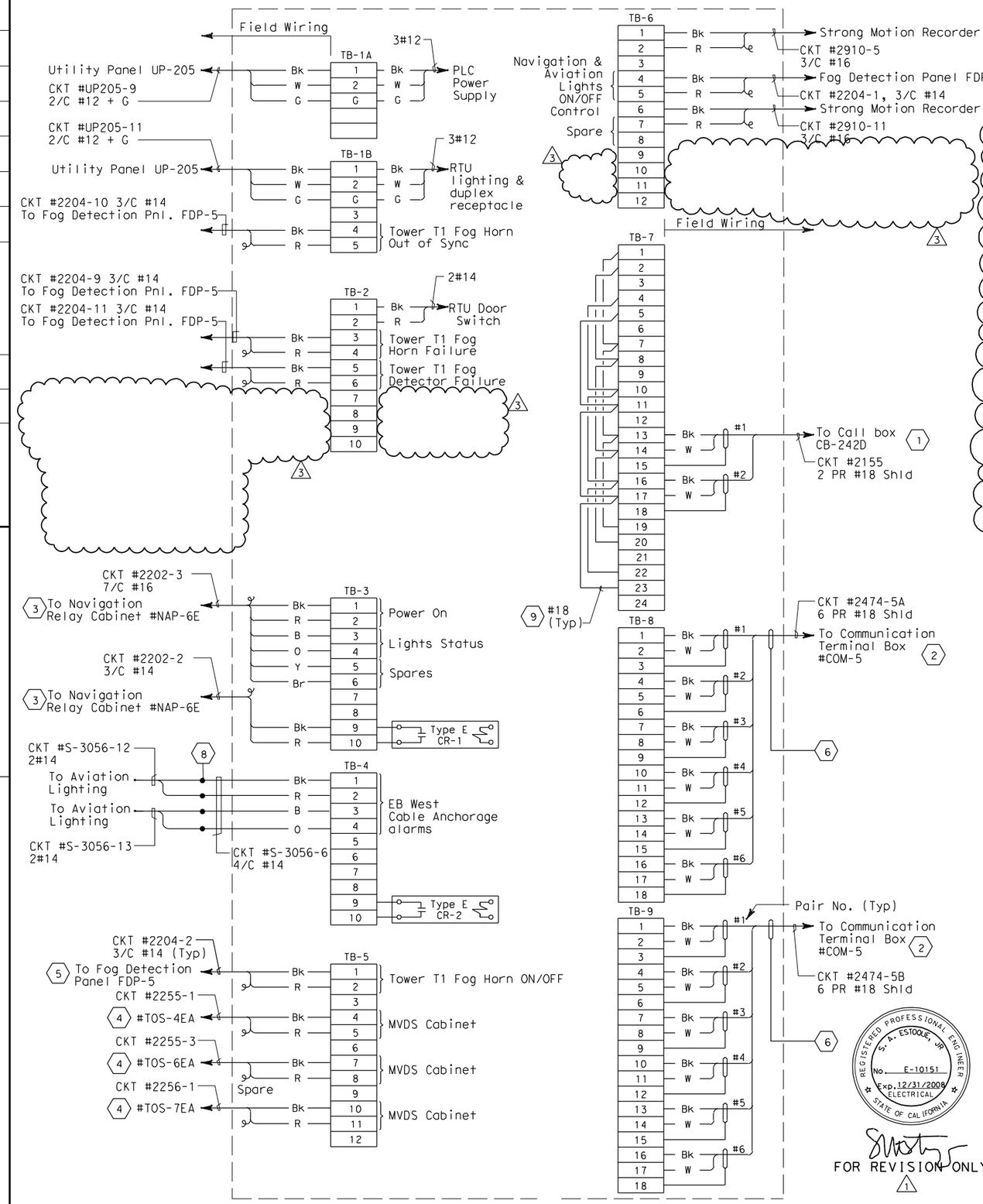
12-6-04
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER JENS ERLINGSSON No. 8249 Exp. 9/30/06 ELECTRICAL STATE OF CALIFORNIA

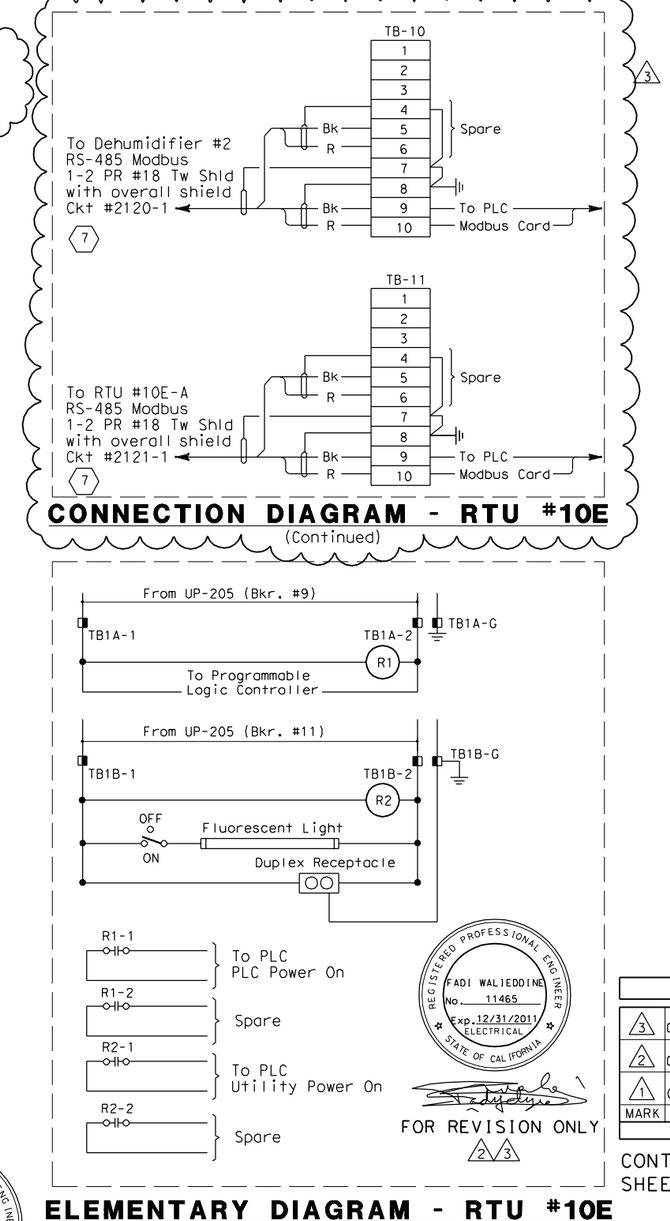
PB POWER, Inc.
A Parsons Brinckerhoff Company
303 Second St., Suite 700N
San Francisco, CA 94107-1317

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

Caltrans now has a web site! To get to the web site, go to http://www.dot.ca.gov



CONNECTION DIAGRAM - RTU #10E



REGISTERED PROFESSIONAL ENGINEER FADI WALIEDDINE No. 11465 Exp. 12/31/2011 ELECTRICAL STATE OF CALIFORNIA

FOR REVISION ONLY 2 3

ELEMENTARY DIAGRAM - RTU #10E
(Navigation Lighting System)

REGISTERED PROFESSIONAL ENGINEER S. A. ESTOQUE, JR No. E-10151 Exp. 12/31/2008 ELECTRICAL STATE OF CALIFORNIA

FOR REVISION ONLY 1

SHEET NOTES:

1. For Connection Diagram to Call Boxes, see sheet E-399.
2. For Connection Diagram to SCADA System, see sheet E-325.
3. For Connection Diagram to Navigation System, see sheet E-303.
4. Connections to panel door switch. For remote alarm status to RTU.
5. For Connection Diagram to Fog Detection Panel, see sheet E-300.
6. Field to tape cable overall shield wire.
7. For Connection Diagram to Dehumidification Controllers, see sheet E-79.
8. Conductors spliced inside junction box PB-2A located inside the girder.
9. The Contractor shall install resistors, approximately equal to the impedance (Zo) of the twisted pairs, at the extreme ends of the multidrop network.

NOTES:

1. All spare conductors shall be coiled and taped at conductor ends unless terminated.
2. Terminate cable shields to low level ground bus.
3. References:
   - For UP-205 Panel Schedule, see sheet E-151.
   - For Navigation System Elementary Diagram, see sheet E-299.
   - For RTU #10E panel layout, see sheet E-320.
   - For Circuit and Conduit/Cable Tray Schedules, see sheets starting at E-401.
   - For Strong Motion Detection System Cable Block Diagrams, see sheets E-383 and E-384.

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
3	02/01/10	DEHUMIDIFIER SCADA INTERFACE	RG	JE FW	130
2	08/03/09	ELECTRICAL WARNING SYSTEMS	RG	JE FW	61
1	03/04/08	BARRIER MODIFICATIONS	JS BM	RG SE	44

REVISIONS

CONTRACT CHANGE ORDER NO._____
SHEET_____ OF _____

DETAILS
SCADA REMOTE TERMINAL UNIT SYSTEM
RTU #10E ELEMENTARY AND CONNECTION DIAGRAM
NO SCALE

E-331

REVISED BY	DATE REVISED
EDC	JL

DATE 10/01 12/01

CALCULATED/DESIGNED BY
CHECKED BY

DESIGN OVERSIGHT
BEHZAD GOLEMOHAMMADI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

DGN FILE =>t:\13103\ms\pse\SAS Struc\CCO\SAS CCO130\2010-04-26 CCO 130 Submittal\04-0120f1_0312R03.dgn
USERNAME =>llorico

CU 04251 EA 0120F1

LAST REVISION 00-00-00
DATE PLOTTED => 4/26/2010
TIME PLOTTED => 1:26:00 PM