DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	272 R3	1204

REGISTERED ELECTRICAL ENGINEER 12/19/02 DATE

12-6-04
PLANS APPROVAL DATE

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

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

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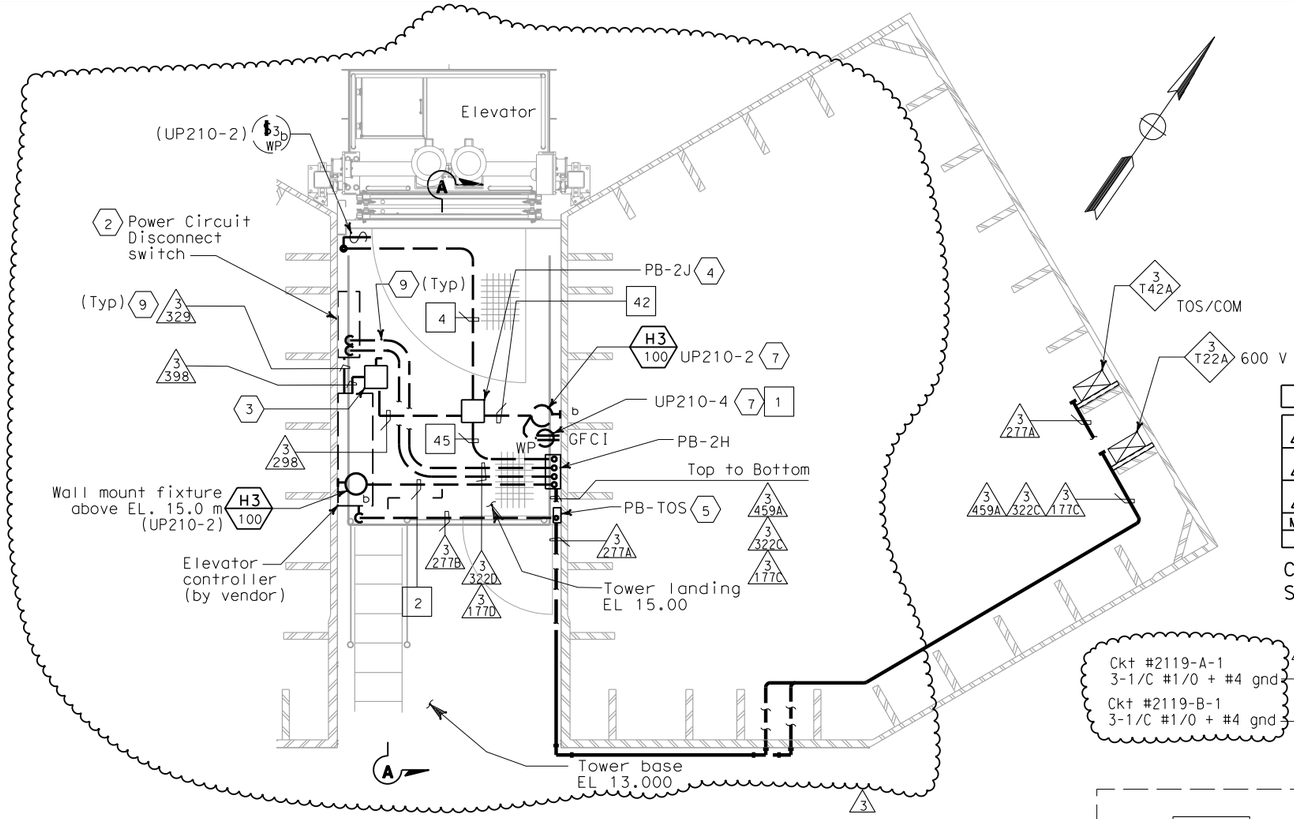
Caltrans Metric

REGISTERED PROFESSIONAL ENGINEER SYN YEE CHIN No. 18186 Exp. 09/30/2013 ELECTRICAL STATE OF CALIFORNIA

Syn Yee Chin
FOR REVISION ONLY
3



PLAN AT 13.00 M
TOWER BASE ELEVATOR ENCLOSURE

SCALE NTS 3

SK-RFI3460R00-E265

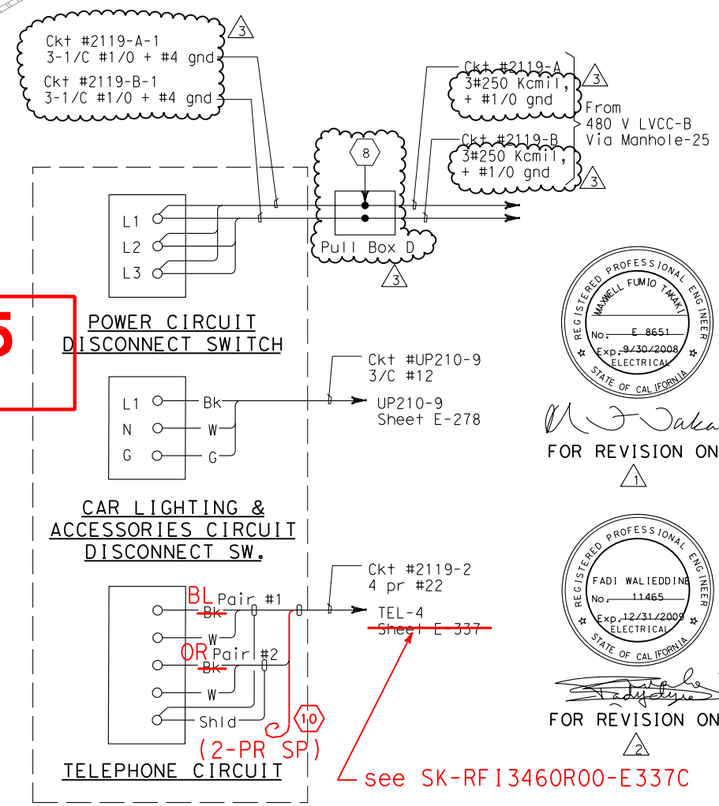
R. GARCIA AUGUST 21, 2013

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE					
3	05/25/12	SAS/SKYWAY MISCELLANEOUS ELECTRICAL CHANGES	TW	RG	191
2	12/23/09	TOWER BASE MEP	TW	RG FW	79
1	02/19/08	ELECTRICAL MODIFICATIONS	MP EL	RR	42
MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
		REVISIONS			

CONTRACT CHANGE ORDER NO._____
SHEET_____ OF _____

SHEET NOTES:

1. Deleted.
2. 480 V, 3 Ø, 100 A, non-fused disconnect switch for elevator pit motor. Use liquid tight flexible conduit from disconnect switch to the motor.
3. 120 V single pole single throw disconnect switch for elevator lighting and fan. Mounted DS between power circuit disconnect switch and controller.
4. Mounte below Elevation 15.0 m grating. 3
5. PB-TOS for telephone communication lines.
6. 3
7. For additional lighting and receptacles at EL. 9.00 M, see sheet E-266.
8. Splice conductors inside pull box "PB-D" see drawing E-264A
9. Conduit routing inside elevator enclosure may be adjusted to suit field condition.
10. Spare cable or conductor ends shall be coiled and taped. 3



MAIN TOWER ELEVATOR PIT CONNECTION DIAGRAM

REGISTERED PROFESSIONAL ENGINEER MAXWELL FUMIO TAKAKI No. E 8651 Exp. 9/30/2008 ELECTRICAL STATE OF CALIFORNIA

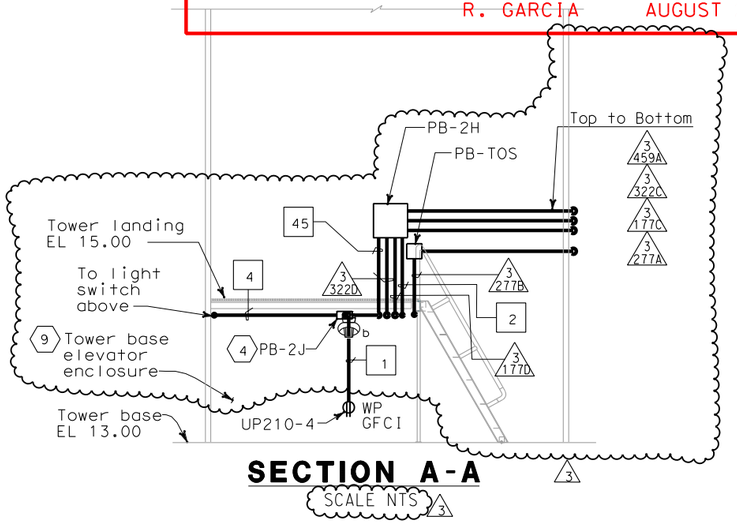
FOR REVISION ONLY
1

REGISTERED PROFESSIONAL ENGINEER FADI WALIEDDINE No. 11465 Exp. 12/31/2008 ELECTRICAL STATE OF CALIFORNIA

FOR REVISION ONLY
2

NOTES:

1. References:
   - For utility panel UP-210 schedule, see sheet E-278.
   - For types of pull boxes, splice boxes and enclosures, see sheets E-83 and E-169.
   - For conduit and cable tray schedules, see sheets starting at E-401.
   - For lighting fixture schedule, see sheet E-273.
   - For typical lighting installation details, see sheet E-267.
   - For typical conduit installation details, see sheet E-268.
2. Electrical conduits shall enter the tower shafts between stiffeners A3 and A4 only. For conduit entry details, see Structural Utility drawings
3. Fixture mounting height elevation shall be 2.4 m above floor/platform elevation UNO.
4. All conduits and fittings routed exposed at grating shall be rigid galvanized steel, PVC coated.
5. For other related work not shown on this sheet, see Electrical Special Provisions.



SECTION A-A

SCALE NTS 3

DETAILS
TOWER AND SUSPENSION CABLE
TOWER POWER AND LIGHTING

SCALE AS NOTED

E-265

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

DESIGN OVERSIGHT	BEHZAD GOLEMOHAMMADI	CALCULATED/ DESIGNED BY	FK	DATE 10/01
		CHECKED BY	EDC	11/01
		REVISED BY		DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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LAST REVISION 05-18-12
DATE PLOTTED => 8/21/2013
TIME PLOTTED => 12:43:24 PM

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CU 04251 EA 0120F1

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	316	1204

REGISTERED ELECTRICAL ENGINEER 12/19/02 DATE

12-6-04
PLANS APPROVAL DATE

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

PB POWER, Inc.
A Parsons Brinckerhoff Company
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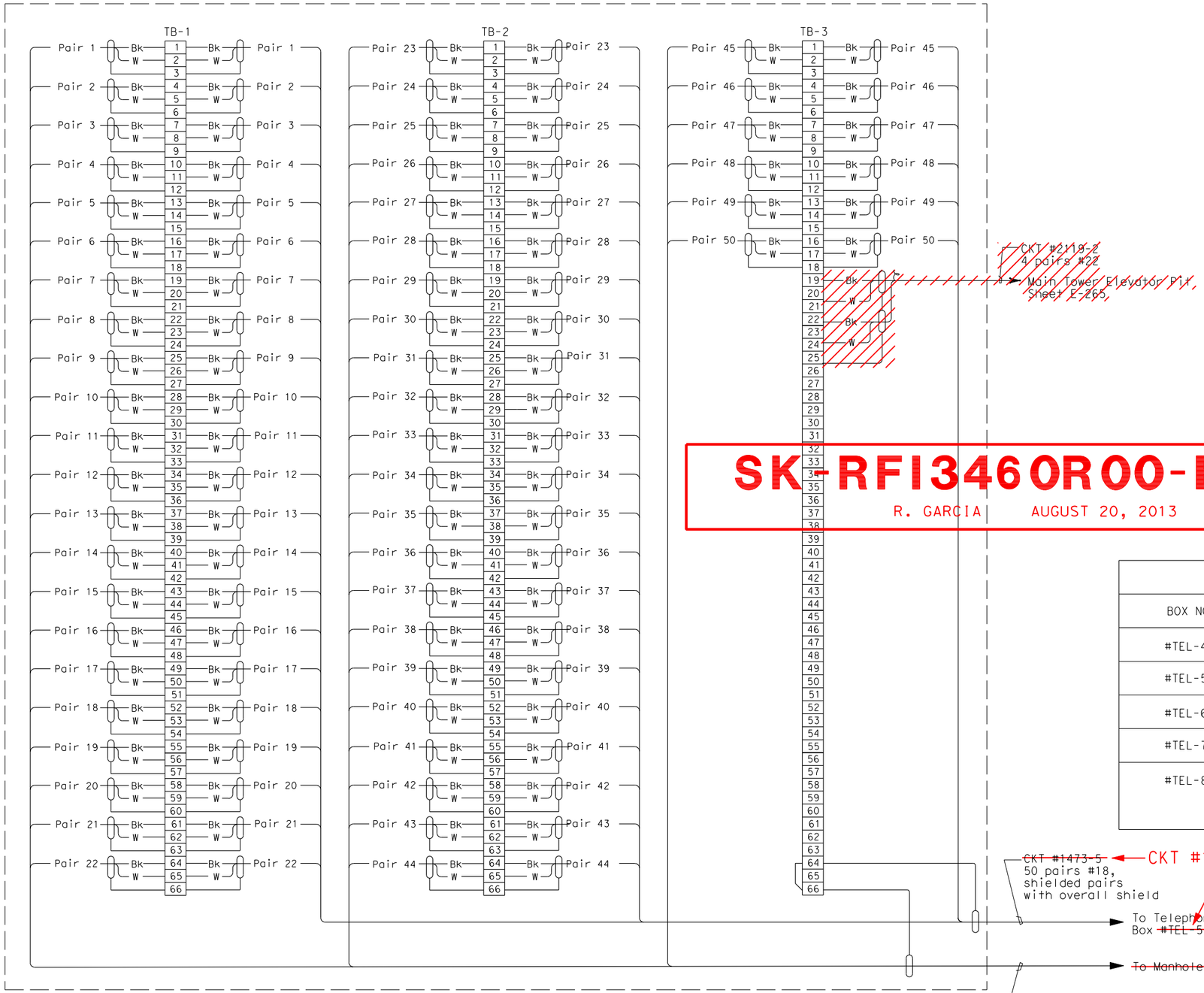

SK-RFI3460R00-E337
R. GARCIA AUGUST 20, 2013

SHEET NOTES:

1. For cable/circuit number, see Table A.
2. Use Table A in conjunction with cable block diagram sheet E-317.
3. ~~The Contractor shall extend and coil 5 meters of cable in Manhole-27. All cables shall be tagged with circuit numbers as shown. For location of Manhole-27, see sheet E-11.~~

NOTES:

1. References:
   - For circuit and conduit/cable tray schedules, see sheets starting at E-401.
   - For Scada and telephone cable block diagram, see sheet E-317.
   - For telephone interface plan and cable block diagram, see sheet E-316.

TABLE A 2

BOX NO.	CABLES		REMARKS
#TEL-4	~~1473-4~~	~~1473-5~~	For cable interface, see SK-RFI3460R00-E337C
#TEL-5	~~1473-5~~	~~1473-6~~	For cable interface, see SK-RFI3447R00-E337D of RFI 3447R00 response
#TEL-6	1473-6	1473-7	
#TEL-7	1473-7	1473-8	
#TEL-8	1473-8	—	
	1473-10	2473-10	For cable interface, see sheet E-316, sheet notes 1 and 2

TELEPHONE TERMINAL BOX CONNECTION DIAGRAM

Shown for ~~#TEL-4~~, See Table A for other terminal boxes

#TEL-6

DETAILS
SCADA REMOTE TERMINAL UNIT SYSTEM
~~#TEL-4~~ TERMINAL CONNECTION DIAGRAM

NO SCALE

#TEL-6

E-337

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT
BEHZAD GOLEMOHAMMADI

CALCULATED/ DESIGNED BY	EDC	DATE 10/01	REVISED BY	EJL	2/04
CHECKED BY	JL	12/01	DATE REVISED		

LAST REVISION 00-00-00
DATE PLOTTED => 8/20/2013
TIME PLOTTED => 11:56:49 AM

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USERNAME =>GarciaR
CU 04251
EA 0120F1

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

REGISTERED ELECTRICAL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER NO. EXP. ELECTRICAL STATE OF CALIFORNIA

PB AMERICAS, Inc.
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303 Second St., Suite 700N
San Francisco, CA 94107-1317

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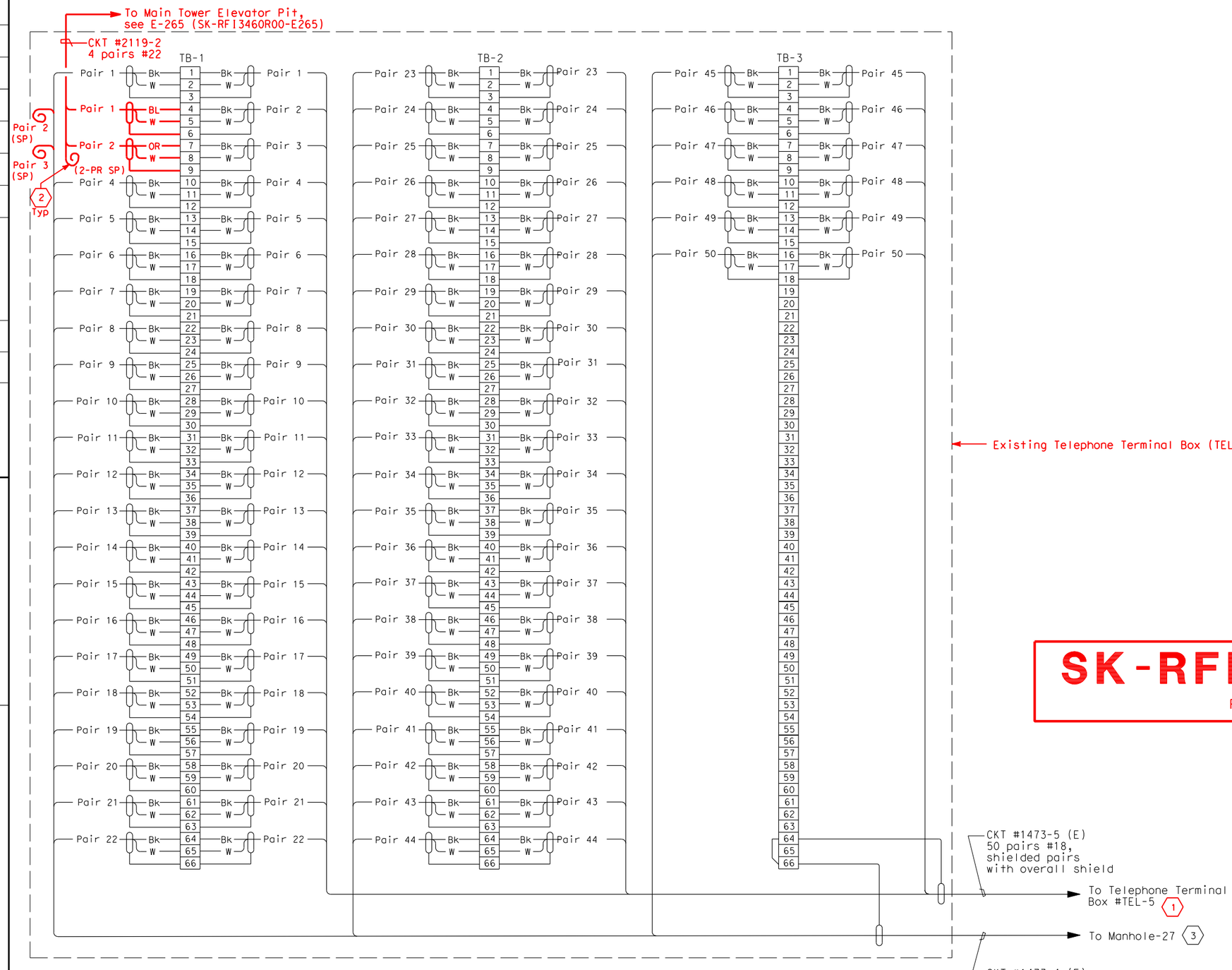

TELEPHONE TERMINAL BOX CONNECTION DIAGRAM

SHEET NOTES:

1. For terminal connection diagram and continuation to TEL #5, see SK-RFI3447R00-E337D of RFI-3447R00 response.
2. Spare cable or conductors ends shall be coiled and taped.
3. The Contractor shall extend and coil 5 meters of cable in Manhole-27. All cables shall be tagged with circuit numbers as shown. For location of Manhole-27, see sheet E-11.

NOTES:

1. References:
   - For circuit and conduit/cable tray schedules, see sheets starting at E-401.
   - For Scada and telephone cable block diagram, see sheet E-317.
   - For telephone interface plan and cable block diagram, see sheet E-316.

SK-RFI3460R00-E337C

R. GARCIA AUGUST 20, 2013

DETAILS
SCADA REMOTE TERMINAL UNIT SYSTEM
#TEL-4 TERMINAL CONNECTION DIAGRAM

NO SCALE

(NEW DRAWING)

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