STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

ENGINEER'S DAILY REPORT

LAN Engineering Consultant

GC 3/11/09

REPORT NO.	DATE	
810 {7-day}{ + 210 Project Work Day}	March 02, 2009	M T W T F S S (DAY)
NORMAL WORK HOUR: START: 6:00AM STOP: 3:30PM		WEATHER: CLOUDY/SHOWERS/SUNNY
LOCATION : Construction Field Office : 333 Burma Road, Oakland 94607		
Working Drawing Campus Office : 375 Burma Road, Oakland 94607		

04-SF-80-13.2/13.9
Contract No. 04-0120F4
{SAS Superstructure}

Caltrans Supervisor:
Gary Lai
Senior Bridge Engineer

Office Work:

- **Shop Drawing Status Meeting (Caltrans – Design). - Time 8:30AM**
  - Meeting held to discuss the status of the reviewing of the submittals by the design groups in the Caltrans review cycle. See attachment #1.
- **MEP Piping installed on Pier 7 prototype.**
  - Received an email from Martin Chandrawinata covering his inspection of the barrier rail/OBG prototype located at pier 7. The contractor had installed the conduits and piping on the prototype. Martin sent Photos taken during the inspection. See attachment # 2.
- **MEP Penetration Tracking Chart.**
  - Received an email from Martin Chandrawinata covering a tracking chart that he developed for the penetrations being installed in China. See attachment #3.
- **Pull Boxes (A, B, C, D) Contract Sheet # 271 Fabrication / Acquisition Issue.**
  - Issues dealing with the Pull Boxes at the Tower Eastbound OBG interface were brought up at the MEP meeting on Tuesday of last week. The issues were dealing with the fabrication and details of the pull boxes at the tower/OBG interface. This was also brought up in a CRM with the contractor dealing with CCO #55 on Tuesday February 10.
  - Meeting scheduled for Tuesday March 03, 2009 @ WDC at 10:00 AM to discuss possible acceptable solutions to the issues.
- **Team China Fabrication Photos.**
  - Downloaded Team China fabrication MEP photos from the FTP site. Photos were taken on February 27, 2009 at ZPMC Factory by Gina Rizzardo (Caltrans). See attachment # 4.
- **Shop Drawing / Photo Sheets.**
  - I integrated the photos sent by team China into the fabrication shop drawings for reference. See attachment # 5.

RECD '09 MAR 16 #0029059

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

ENGINEER'S DAILY REPORT

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REPORT NO.	DATE	
810 {7-day}{ + 210 Project Work Day}	March 02, 2009	M T W T F S S (DAY)

- **SAS Opportunity Partnering Schedule (OPS) Work.**
  - Continued to work on the electrical schedules to determine best possible way to prevent the MEP installation becoming the critical path and causing a delay in the contract.
- **OBG Master Penetration Charts.**
  - Updating the OBG master MEP penetration charts from the previous week's changes in the status of the shop drawings and china fabrication update.

Any questions or comments you can reach me at (916) 919-7158. My E-Mail address is Mike.Travis@LANEngineering.com or Michael_Travis@dot.ca.gov

END OF REPORT

0545-1530 @ office / Time sheet total 8 hours regular

Attachments:

1. Construction Photos - MEP piping on prototype Pier 7.
2. Email of the MEP Penetration status in China.
3. Priority lists for Shop Drawing Status with PB review status noted.
4. MEP Penetration Fabrication Photos 2.27.2009.
5. Shop Drawing/photo combination sheets (Ladder access / MEP Penetration)

SIGNATURE

Name	TITLE
Michael F. Travis	Electrical Engineer – LAN Engineering

PB OBG STATUS CHART MARCH 02, 2009

Attachment #1 (1/5)

Ty ok	2/24/2009	Submittal Priority by ABF Requested Due Date	Information Only	Responed / *redline	**Posted	Reviewing	PB color code ID
CT/JV Status	Reference	Subject	Req. Due Date	Resp. Engineer	Discipline	Date Received	Contract Due Date
Rev. prelim/CRM	ABF-SUB-000667R04	OBG - Standard Layout Details (L) - LIFT 13W	16-Dec-2008	Alex Schmitt	H	02-Dec-2008	16-Dec-2008
Rev. prelim/CRM	ABF-SUB-000883R00**	OBG - Plate Assembly (PL) - Exterior Plate Details - Plate Type 1, 2, 18 - LIFT 13W	19-Dec-2008	Victor Altamirano	H	30-Oct-2008	19-Dec-2008
Rev. prelim/CRM	ABF-SUB-000667R05	OBG - Standard Layout Details (L) - LIFT 13W	23-Dec-2008	Alex Schmitt	H	09-Dec-2008	23-Dec-2008
Rev. prelim/CRM	ABF-SUB-000885R00**	OBG - Standard Layout Details (L) - OBW13 Kink - LIFT 13W	23-Dec-2008	Abbas Iranmanesh	H	03-Nov-2008	23-Dec-2008
Rev. prelim/CRM	ABF-SUB-000886R00**	OBG - Plate Sub Assembly (PL) - Exterior Plate Details - Plate Types 1, 2, 10, 18	23-Dec-2008	Philip He	H	03-Nov-2008	23-Dec-2008
Rev. prelim/CRM	ABF-SUB-000917R00**	OBG - Deck Plate Sub Assembly (DP) - Plate Type 1, 2, 10, 18 - LIFT 13W	15-Jan-2009	Ajay Sehgal	H	26-Nov-2008	15-Jan-2009
Rev. prelim/CRM	ABF-SUB-000918R00	OBG - Standard Details (X) - LIFT 13W - Longitudinal Bulkhead, Stiffener Plates	15-Jan-2009	Philip He	H	26-Nov-2008	15-Jan-2009
Rev. prelim/CRM	ABF-SUB-000919R00	OBG - Standard Details (RS) - LIFT 13W - Rib Plate Stiffeners	15-Jan-2009	Philip He	H	26-Nov-2008	15-Jan-2009
Rev. prelim/CRM	ABF-SUB-000667R06	OBG - Layout Assembly (L) - LIFT 13W - Floorbeam Mark Layout Details	20-Jan-2009	Alex Schmitt	H	06-Jan-2009	20-Jan-2009
prelim by fri 2/27	ABF-SUB-000930R01	OBG - Layout Assembly (L) - LIFT 13W - Floorbeam Details @ PP118 thru PP121	20-Jan-2009	John Lyons	H	06-Jan-2009	30-Jan-2009
Ty ok	ABF-SUB-000923R00	OBG - Shop Assembly (SA) - Splice, Grillage, & Bearing - LIFT 13W	21-Jan-2009	Ajay Sehgal	H	02-Dec-2008	21-Jan-2009
Rev. prelim/CRM	ABF-SUB-000924R00**	OBG - Standards (X) - LIFT 13W	21-Jan-2009	Philip He	H	02-Dec-2008	21-Jan-2009
Ty ok	ABF-SUB-000927R00	OBG - Floorbeam Sub Assembly (FB) - 117.5 thru 119.65 - LIFT 13W	23-Jan-2009	Victor Altamirano	H	04-Dec-2008	23-Jan-2009
Prelim this week	ABF-SUB-000905R01	OBG - Layout Details (L) - LIFT 13W	28-Jan-2009	Philip He	H	09-Dec-2008	28-Jan-2009
Update fri 2/27	ABF-SUB-000695R01	Traveler Scaffolds - E2/E3 Bikepath Traveler Structural Plans & Details	30-Jan-2009	Alex Schmitt	H	09-Jan-2009	23-Jan-2009
Update fri 2/27	ABF-SUB-000751R01	WB Traveler Shop Drawings	30-Jan-2009	Alex Schmitt	H	09-Jan-2009	23-Jan-2009
H'rail issue	ABF-SUB-000928R00	OBG - (RLG, RLTWC) Handrailing on OBG Deck at Crossbeams 4 - 16 and Handrailing	30-Jan-2009	Alex Schmitt	H	11-Dec-2008	30-Jan-2009
prelim by fri 2/27	ABF-SUB-000930R00	OBG - Layout Details (L) - LIFT 13W	30-Jan-2009	John Lyons	H	11-Dec-2008	30-Jan-2009
Ty ok	ABF-SUB-000932R00	OBG - K Plate Sub Assembly (KP) - LIFT 13W	30-Jan-2009	Bob Brignano	H	11-Dec-2008	30-Jan-2009
Ty ok	ABF-SUB-000655R03	OBG - Standard Details - Orthotropic Box Assembly (OBE, OBSD, OBW) - LIFT 1	10-Feb-2009	Victor Altamirano	H	03-Feb-2009	17-Feb-2009
Ty ok	ABF-SUB-000669R01	OBG - Standard (TR) - Traveler Rail Brackets	10-Feb-2009	Alex Schmitt	H	03-Feb-2009	17-Feb-2009
CRM mon 2/23	ABF-SUB-000939R00	OBG - Standards (X) - LIFT 13W - Longitudinal Shear Plates, Plate Stiffeners	10-Feb-2009	Ajay Sehgal	H	22-Dec-2008	10-Feb-2009
Prelim this week	ABF-SUB-000940R00	OBG - Standard Details (SD) - CB 18, Plates, and Floorbeam Details	10-Feb-2009	Abbas Iranmanesh	H	22-Dec-2008	10-Feb-2009
Prelim this week	ABF-SUB-000940R01	OBG - Standard Details (SD) - CB 18, Plates, and Floorbeam Details	10-Feb-2009	Abbas Iranmanesh	H	15-Jan-2009	10-Feb-2009
Prelim this week	ABF-SUB-000940R02	OBG - Standard Details (SD) - Deck Plate Standard Section	10-Feb-2009	Abbas Iranmanesh	H	21-Jan-2009	10-Feb-2009
Prelim this week	ABF-SUB-000942R00	OBG - Standard (RS) - LIFT 13W - WTand Plate Stiffener Details	10-Feb-2009	Bob Brignano	H	22-Dec-2008	10-Feb-2009
Prelim this week	ABF-SUB-000943R00	OBG - Side Plate Sub Assembly (SP) - LIFT 13W - Plate Types 7 & 8	12-Feb-2009	Abbas Iranmanesh	H	24-Dec-2008	12-Feb-2009
Prelim this week	ABF-SUB-000944R00	OBG - Bottom Plate Sub Assembly (BP) - LIFT 13W - Plate Types 6, 13, & 14	12-Feb-2009	Tai-Lin Liu	H	24-Dec-2008	12-Feb-2009
CRM mid week	ABF-SUB-000945R00	OBG - Vertical Plate Sub Assembly (VP) - LIFT 13W	12-Feb-2009	Tai-Lin Liu	H	24-Dec-2008	12-Feb-2009
CRM mon 2/23	ABF-SUB-000946R00	OBG - Floorbeam Sub Assembly (FB) - LIFT 13W - 120.5 thru 124.5	12-Feb-2009	Ajay Sehgal	H	24-Dec-2008	12-Feb-2009
CRM mon 2/23	ABF-SUB-000947R00	OBG - Standards (X) - LIFT 13W - Floorbeam Details	12-Feb-2009	Alex Schmitt	H	24-Dec-2008	12-Feb-2009
Prelim this week	ABF-SUB-000948R00	OBG - Plate Sub Assembly - LIFT 13W - Ex. Plate Details - Bottom Plate Types 6, 13, & 14	12-Feb-2009	Victor Altamirano	H	24-Dec-2008	12-Feb-2009
CRM mon 2/23	ABF-SUB-000950R00	OBG - Standards (RS) - LIFT 13W - Wt and Plate Stiffener Details	12-Feb-2009	Philip He	H	24-Dec-2008	12-Feb-2009
CRM mon 2/23	ABF-SUB-000951R00	OBG - Floorbeam Sub Assembly (FB) - LIFT 13W	12-Feb-2009	Ajay Sehgal	H	24-Dec-2008	12-Feb-2009
Final by fri 2/27	ABF-SUB-000087R32	OBG - Standard Weld Details (WD) - Typical Weld Details	13-Feb-2009	Philip He	H	10-Feb-2009	24-Feb-2009
CRM mon 2/23	ABF-SUB-000949R00	OBG - Standards (X) - LIFT 13W - Floorbeam, Stiffener Diaphragm, & Bearing Plates	17-Feb-2009	Tai-Lin Liu	H	30-Dec-2008	18-Feb-2009
Tylin ?	ABF-SUB-000667R07	OBG - Layout Assembly (L) - LIFT 13W - Floorbeam Mark Layout Details	19-Feb-2009	Alex Schmitt	H	05-Feb-2009	19-Feb-2009
Final by fri 2/27	ABF-SUB-000087R34	OBG - Standard Weld Details (WD) - Typical Weld Details	23-Feb-2009	Philip He	H	18-Feb-2009	04-Mar-2009
Final by fri 2/27	ABF-SUB-000087R33	OBG - Standard Weld Details (WD) - Typical Weld Details	24-Feb-2009	Philip He	H	10-Feb-2009	24-Feb-2009

PB OBG STATUS CHART MARCH 02, 2009

Attachment #1 (2/5)

prelim by fri 2/27	ABF-SUB-000953R00	OBG - Floorbeam Sub Assembly (FB) - LIFT 13W	25-Feb-2009	Philip He	H	06-Jan-2009	25-Feb-2009
CRM mon 2/23	ABF-SUB-000954R00	OBG - Standards (X) - LIFT 13W - Floorbeam Details	25-Feb-2009	Abbas Iranmanesh	H	06-Jan-2009	25-Feb-2009
prelim by fri 2/27	ABF-SUB-000955R00	OBG - Floorbeam Sub Assembly (FB) - LIFT 13W	25-Feb-2009	Bob Brignano	H	06-Jan-2009	25-Feb-2009
prelim by fri 2/27	ABF-SUB-000957R00	OBG - Standards (X) - LIFT 13W - Floorbeam Details	25-Feb-2009	Bob Brignano	H	06-Jan-2009	25-Feb-2009
CRM mon 2/23	ABF-SUB-000958R00	OBG - Standards (X) - LIFT 13W - Floorbeam Details	25-Feb-2009	Ajay Sehgal	H	06-Jan-2009	25-Feb-2009
prelim by fri 2/27	ABF-SUB-000959R00	OBG - Floorbeam Sub Assembly (FB) - LIFT 13W	25-Feb-2009	Ajay Sehgal	H	06-Jan-2009	25-Feb-2009
prelim by fri 2/27	ABF-SUB-000960R00	OBG - Layout Assembly (L) - LIFT 13W - Floorbeam Details	25-Feb-2009	John Lyons	H	06-Jan-2009	25-Feb-2009
CRM mon 2/23	ABF-SUB-000963R00	OBG - Miscellaneous (TRFB) - Traveler Rail Field Bolts	26-Feb-2009	Alex Schmitt	H	07-Jan-2009	26-Feb-2009
	ABF-SUB-000996R01	(MFSQA) - Southern Cast Products - Suspender Socket Castings	03-Mar-2009	Warren Collins	H	17-Feb-2009	03-Mar-2009
Prelim this week	ABF-SUB-000940R03	OBG - Standard Details (SD) - LIFT 14E - Deck Plate Standard Section	04-Mar-2009	Abbas Iranmanesh	H	18-Feb-2009	04-Mar-2009
	ABF-SUB-000467R02	OBG - Plate Sub Assembly (PL) - LIFT 12W - Exterior Plate Details - Plate Types 5, 6, 7, 8	05-Mar-2009	John Lyons	H	19-Feb-2009	05-Mar-2009
	ABF-SUB-000473R01	OBG - Standard (X) - LIFT 12W - Floorbeam Details	05-Mar-2009	Bob Brignano	H	19-Feb-2009	05-Mar-2009
	ABF-SUB-000530R01	OBG - Standard (RS) - LIFT 12W - Rib Stiffeners Details	05-Mar-2009	Chris Havel	H	19-Feb-2009	05-Mar-2009
	ABF-SUB-000533R03	OBG - Standard (X) - LIFT 12W - Twisted Stiffener & Longitudinal Shear Plate Details	05-Mar-2009	Philip He	H	19-Feb-2009	05-Mar-2009
	ABF-SUB-000534R01	OBG - Floorbeam Sub Assembly (FB) - LIFT 12W	05-Mar-2009	Chris Havel	H	19-Feb-2009	05-Mar-2009
	ABF-SUB-000537R01	OBG - Plate Sub Assembly (PL) - LIFT 12W - TYPES 1,4,5,7,8	05-Mar-2009	Chris Havel	H	19-Feb-2009	05-Mar-2009
	ABF-SUB-000552R01	OBG - Longitudinal Diaphragm Sub Assembly (LD) - LIFT 12W - PLATE TYPE 1 & 2	05-Mar-2009	Philip He	H	19-Feb-2009	05-Mar-2009
	ABF-SUB-000553R01	OBG - Bottom & Side Plate Sub Assemblies (SP, BP) - LIFT 12W - Plate Types 5, 6, 7, 8, 9	05-Mar-2009	Philip He	H	19-Feb-2009	05-Mar-2009
	ABF-SUB-000554R01	OBG - Standard (X) - LIFT 12W - Stiffener Diaphragm Plates	05-Mar-2009	Chris Havel	H	19-Feb-2009	05-Mar-2009
	ABF-SUB-000574R01	OBG - Corner & Segment Assemblies (CA, SEG) - LIFT 12W	05-Mar-2009	Bob Brignano	H	19-Feb-2009	05-Mar-2009
	ABF-SUB-000606R01	OBG - Side Plate Sub Assembly SP) - LIFT 12W - PLATE TYPES 4, 5, 7, 8	05-Mar-2009	Chris Havel	H	19-Feb-2009	05-Mar-2009
	ABF-SUB-000609R01	OBG - Standard (X) - LIFT 12W - Catwalk & Drainage Details	05-Mar-2009	Bob Brignano	H	19-Feb-2009	05-Mar-2009
	ABF-SUB-000610R01	OBG - Corner & Segment Sub Assemblies (CA, SEG) - LIFT 12W	05-Mar-2009	Chris Havel	H	19-Feb-2009	05-Mar-2009
	ABF-SUB-000454R03	OBG - Plate Sub Assembly (PL) - LIFT 12W - Exterior Deck Plate Types 2, 6	06-Mar-2009	Chris Havel	H	20-Feb-2009	06-Mar-2009
	ABF-SUB-000467R03	OBG - Plate Sub Assembly (PL) - LIFT 12W - Exterior Plate Details - Plate Types 5, 6, 7, 8	06-Mar-2009	John Lyons	H	20-Feb-2009	06-Mar-2009
	ABF-SUB-000473R02	OBG - Standard (X) - LIFT 12W - Floorbeam Details	06-Mar-2009	Bob Brignano	H	20-Feb-2009	06-Mar-2009
	ABF-SUB-000530R02	OBG - Standard (RS) - LIFT 12W - Rib Stiffeners Details	06-Mar-2009	Chris Havel	H	20-Feb-2009	06-Mar-2009
	ABF-SUB-000533R04	OBG - Standard (X) - LIFT 12W - Longitudinal Shear Plate Details	06-Mar-2009	Philip He	H	20-Feb-2009	06-Mar-2009
	ABF-SUB-000534R02	OBG - Floorbeam Sub Assembly (FB) - LIFT 12W	06-Mar-2009	Chris Havel	H	20-Feb-2009	06-Mar-2009
	ABF-SUB-000537R02	OBG - Plate Sub Assembly (PL) - LIFT 12W - Exterior Plate Details Types 4, 5	06-Mar-2009	Chris Havel	H	20-Feb-2009	06-Mar-2009
	ABF-SUB-000553R02	OBG - Bottom & Side Plate Sub Assemblies (SP, BP) - LIFT 12W - Plate Types 6, 8, 13, 14	06-Mar-2009	Philip He	H	20-Feb-2009	06-Mar-2009
	ABF-SUB-000606R02	OBG - Side Plate Sub Assembly SP) - LIFT 12W - PLATE TYPES 5, 7	06-Mar-2009	Chris Havel	H	20-Feb-2009	06-Mar-2009
	ABF-SUB-000610R02	OBG - Segment Sub Assembly (SEG) - LIFT 12W	06-Mar-2009	Chris Havel	H	20-Feb-2009	06-Mar-2009
prelim by fri 2/27	ABF-SUB-000965R00	OBG - Standard Layout Assembly (L) - LIFT 13W	06-Mar-2009	John Lyons	H	15-Jan-2009	06-Mar-2009
prelim by fri 2/27	ABF-SUB-000967R00	OBG - Standard Details (SD) - Deck Plate - Standard Section	06-Mar-2009	Abbas Iranmanesh	H	15-Jan-2009	06-Mar-2009
	ABF-SUB-000967R01	OBG - Standard Details (SD) - Deck Plate - Standard Section	06-Mar-2009	Abbas Iranmanesh	H	21-Jan-2009	06-Mar-2009
	ABF-SUB-000967R02	OBG - Standard Details (SD) - Deck Plate - Standard Section	06-Mar-2009	Abbas Iranmanesh	H	10-Feb-2009	06-Mar-2009
	ABF-SUB-000968R00	OBG - Standard (X) - LIFT 13W - Floorbeam Details	06-Mar-2009	Abbas Iranmanesh	H	15-Jan-2009	06-Mar-2009
prelim by fri 2/27	ABF-SUB-000969R00	OBG - Standard (RS) - LIFT 13W - Plate Stiffener Details	06-Mar-2009	John Lyons	H	15-Jan-2009	06-Mar-2009
prelim by fri 2/27	ABF-SUB-000970R00	OBG - Edge Plate Sub Assembly (EP) - LIFT 13W - Plate Types 3, 17	06-Mar-2009	Philip He	H	15-Jan-2009	06-Mar-2009
prelim by fri 2/27	ABF-SUB-000971R00	OBG - Vertical Plate Sub Assembly (VP) - LIFT 13W	06-Mar-2009	Bob Brignano	H	15-Jan-2009	06-Mar-2009

PB OBG STATUS CHART MARCH 02, 2009

Attachment #1 (3/5)

prelim by fri 2/27

ABF-SUB-000972R00**	OBG - Longitudinal Diaphragm Assembly (LD) - LIFT 13W	06-Mar-2009	Bob Brignano	H	15-Jan-2009	06-Mar-2009
ABF-SUB-000973R00	OBG - Shop Assembly (SA) - LIFT 13W - Splice Plate, Bottom Plate, Lift Lug, Pier E2	07-Mar-2009	Chris Havel	H	16-Jan-2009	07-Mar-2009
ABF-SUB-000974R00	OBG - Plate Sub Assembly - LIFT 13W - Exterior Plate Details - Plate Types 1, 5, 10, 16, 17	07-Mar-2009	Chris Havel	H	16-Jan-2009	07-Mar-2009
ABF-SUB-000978R00	OBG - Standards (X) - LIFT 13W - Architectural Splice, Floorbeam, Plate Diaphragm	11-Mar-2009	Philip He	H	20-Jan-2009	11-Mar-2009
ABF-SUB-000980R00	OBG - Plate Sub Assembly (PL) - LIFT 13W - Exterior Plate Details - Plate Types 4, 5, 15	11-Mar-2009	Abbas Iranmanesh	H	20-Jan-2009	11-Mar-2009
ABF-SUB-000981R00	OBG - Standards (RS) - LIFT 13W - Plate Stiffener Details	11-Mar-2009	John Lyons	H	20-Jan-2009	11-Mar-2009
ABF-SUB-000982R00	OBG - Side Plate Sub Assembly (SP) - LIFT 13W - Plate Types 4 & 5	11-Mar-2009	Bob Brignano	H	20-Jan-2009	11-Mar-2009
ABF-SUB-000983R00	OBG - Standards (X) - LIFT 13W - Floorbeam, Stiffener Splice Plate	11-Mar-2009	Chris Havel	H	20-Jan-2009	11-Mar-2009
ABF-SUB-000984R00	OBG - Standards (RS) - LIFT 13W - Plate Stiffener Details	11-Mar-2009	Abbas Iranmanesh	H	20-Jan-2009	11-Mar-2009
ABF-SUB-000985R00	OBG - Edge Beam Sub Assembly (EB) - LIFT 13W	11-Mar-2009	Ajay Sehgal	H	20-Jan-2009	11-Mar-2009
ABF-SUB-000986R00	OBG - Side Plate Sub Assembly (SP) - LIFT 13W - Plate Types 5, 15, 16	11-Mar-2009	Philip He	H	20-Jan-2009	11-Mar-2009
ABF-SUB-000987R00*	OBG - Floorbeam Sub Assembly (FB) - LIFT 13W	11-Mar-2009	John Lyons	H	20-Jan-2009	11-Mar-2009
ABF-SUB-000990R00	OBG - Standard Details (SD)	12-Mar-2009	John Lyons	H	21-Jan-2009	12-Mar-2009
ABF-SUB-000990R01	OBG - Standard Details (SD)	12-Mar-2009	John Lyons	H	10-Feb-2009	12-Mar-2009
ABF-SUB-000990R02	OBG - Standard Details (SD) - LIFT 14E	12-Mar-2009	John Lyons	H	18-Feb-2009	12-Mar-2009
ABF-SUB-000992R00	OBG - Standards (X) - LIFT 13W - Saddle Support, Floorbeam Details	13-Mar-2009	John Lyons	H	22-Jan-2009	13-Mar-2009
ABF-SUB-000993R00	OBG - Floorbeam Sub Assembly (FB) - LIFT 13W	13-Mar-2009	Bob Brignano	H	22-Jan-2009	13-Mar-2009
ABF-SUB-000994R00	OBG - Shop Assembly (SA) - LIFT 13W - Architectural Splice, Stiffener Plate	13-Mar-2009	Bob Brignano	H	22-Jan-2009	13-Mar-2009
ABF-SUB-001003R00	OBG - BikePath Sub Assembly (BK) - Panel Details	25-Mar-2009	Alex Schmitt	H	03-Feb-2009	25-Mar-2009
ABF-SUB-001004R00	OBG - Standard (X) - Floorbeam Details	25-Mar-2009	Abbas Iranmanesh	H	03-Feb-2009	25-Mar-2009
ABF-SUB-001005R00	OBG - Standard (X) - Floorbeam Details	25-Mar-2009	Abbas Iranmanesh	H	03-Feb-2009	25-Mar-2009
ABF-SUB-001008R00	OBG - Layout Assembly (L) - LIFT 13W	27-Mar-2009	Abbas Iranmanesh	H	05-Feb-2009	27-Mar-2009
ABF-SUB-001013R00	OBG - Corner Assembly (CA) - LIFT 13W	27-Mar-2009	Chris Havel	H	05-Feb-2009	27-Mar-2009
ABF-SUB-001006R00	OBG - Standard (X) - LIFT 13W - Plate, Floorbeam Details	28-Mar-2009	Bob Brignano	H	06-Feb-2009	28-Mar-2009
ABF-SUB-001007R00	OBG - Floorbeam Sub Assembly (FB) - LIFT 13W	28-Mar-2009	Bob Brignano	H	06-Feb-2009	28-Mar-2009
ABF-SUB-001009R00	OBG - Plate Sub Assembly (PL) - LIFT 14E - Exterior Plate Details - Plate Types 5 thru 18	28-Mar-2009	Chris Havel	H	06-Feb-2009	28-Mar-2009
ABF-SUB-001011R00	OBG - Side Plate Sub Assembly (SP) - LIFT 14E	28-Mar-2009	Abbas Iranmanesh	H	06-Feb-2009	28-Mar-2009
ABF-SUB-001012R00	OBG - Standard (RS) - LIFT 14E - Plate Stiffener Details	28-Mar-2009	John Lyons	H	06-Feb-2009	28-Mar-2009
ABF-SUB-001014R00	OBG - Standard (X) - LIFT 14E - Stiffener Splice & Diaphragm Plates	01-Apr-2009	Bob Brignano	H	10-Feb-2009	01-Apr-2009
ABF-SUB-001015R00	OBG - Plate Sub Assembly (PL) - LIFT 14E - Exterior & Interior Plate Details	01-Apr-2009	Bob Brignano	H	10-Feb-2009	01-Apr-2009
ABF-SUB-001016R00	OBG - Standard (RS) - LIFT 14E - Plate & Rib Stiffener Details	01-Apr-2009	John Lyons	H	10-Feb-2009	01-Apr-2009
ABF-SUB-001017R00	OBG - Shop Assembly (SA) - LIFT 14E - Stiffener Splice Plate Details	01-Apr-2009	John Lyons	H	10-Feb-2009	01-Apr-2009
ABF-SUB-001018R00	OBG - Deck Plate Sub Assembly (DP) - LIFT 14E - Plate Type 1	01-Apr-2009	Philip He	H	10-Feb-2009	01-Apr-2009
ABF-SUB-001020R00	OBG - Standard (X) - LIFT 14E - Stiffener, Floorbeam, Edge Beam Plates Details	02-Apr-2009	Philip He	H	11-Feb-2009	02-Apr-2009
ABF-SUB-001021R00	OBG - Plate Sub Assembly (PL) - LIFT 14E - Exterior Plate Details - Plate Type 7	02-Apr-2009	Chris Havel	H	11-Feb-2009	02-Apr-2009
ABF-SUB-001022R00	OBG - Standard (RS) - LIFT 14E - Plate and Rib Stiffener Details	02-Apr-2009	Bob Brignano	H	11-Feb-2009	02-Apr-2009
ABF-SUB-001032R00	OBG - Standard (X) - LIFT 13W - Floorbeam Details	09-Apr-2009	Bob Brignano	H	18-Feb-2009	09-Apr-2009
ABF-SUB-001033R00	OBG - Standard Details (SD) - LIFT 14E - Deck Plate Details	09-Apr-2009	Philip He	H	18-Feb-2009	09-Apr-2009
ABF-SUB-001026R00	OBG - Standard (X) - LIFT 14E - Longitudinal Stiffener, Edge Beam, Floorbeam Details	10-Apr-2009	Abbas Iranmanesh	H	19-Feb-2009	10-Apr-2009
ABF-SUB-001027R00	OBG - Standard (RS) - LIFT 14E - Plate Stiffener Details	10-Apr-2009	Chris Havel	H	19-Feb-2009	10-Apr-2009
ABF-SUB-001028R00	OBG - Deck Plate Sub Assembly (DP) - LIFT 14E - Plate Types 1, 2, 10	10-Apr-2009	John Lyons	H	19-Feb-2009	10-Apr-2009

PB OBG STATUS CHART MARCH 02, 2009

Attachment #1 (4/5)

ABF-SUB-001029R00	OBG - Side Plate Sub Assembly (SP) - LIFT 14E - Plate Type 7	10-Apr-2009	Chris Havel	H	19-Feb-2009	10-Apr-2009
ABF-SUB-001030R00	OBG - Bottom Plate Sub Assembly (BP) - LIFT 14E - Plate Types 6, 13, 14	10-Apr-2009	John Lyons	H	19-Feb-2009	10-Apr-2009
ABF-SUB-001031R00	OBG - Edge Beam Sub Assembly (EB) - LIFT 14E	10-Apr-2009	Philip He	H	19-Feb-2009	10-Apr-2009
ABF-SUB-001034R00	OBG - Side Plate Sub Assembly (SP) - LIFT 14E - Plate Types 5, 7, 8, 15, 16	10-Apr-2009	Alex Schmitt	H	19-Feb-2009	10-Apr-2009
ABF-SUB-001035R00	OBG - Vertical Plate Sub Assembly (VP) - LIFT 14E	10-Apr-2009	John Lyons	H	19-Feb-2009	10-Apr-2009
ABF-SUB-000532R01						
ABF-SUB-000454R02						
ABF-SUB-000448R02						

Attachment #2 (1/3)

Martin
Chandrawinata/D04/Caltrans/
CAGov

03/02/2009 05:28 PM

To Grady Hart/HQ/Caltrans/CAGov@DOT

cc Bill Shedd/D04/Caltrans/CAGov@DOT, Michael Travis/HQ/Caltrans/CAGov@DOT, Sandra Michelotti/D04/Caltrans/CAGov@DOT, Bernard R

bcc

Subject Mechanical Pipe Support / Pedestal - pictures

Grady,

Here are the photos of the mock up on the OBG Westbound Southside showing:
- Mechanical Pipes 2.5" water, 4" air, 12" water, and 6" reclaim water and their pipe supports
- Electrical conduits and pull box inside the barrier
- Posts for cable handrail

Some dimensions measured:
- Posts for cable handrail is 36" (I believe the minimum should be 42")
- Distance from edge of barrier to edge of OBG is 1100 (correct per dwg sheet 614)
- Distance from OBG deck to top of 12" pipe is about 20"
- Distance from OBG deck to top of 6" pipe is about 14"

Questions:
If one is standing on the 6" pipe, should the barrier be at least 42" + 14" = 56" high?
How about if one is standing on the 12" pipe, will the 56" high post be adequate?

DSCN3272.JPG DSCN3271.JPG DSCN3270.JPG DSCN3269.JPG DSCN3268.JPG DSCN3265.JPG DSCN3263.JPG
DSCN3262.JPG DSCN3258.JPG

Regards,

Martin P. Chandrawinata
SAS Bridge Construction
Ph. 510-286-0535
www.baybridgeinfo.org

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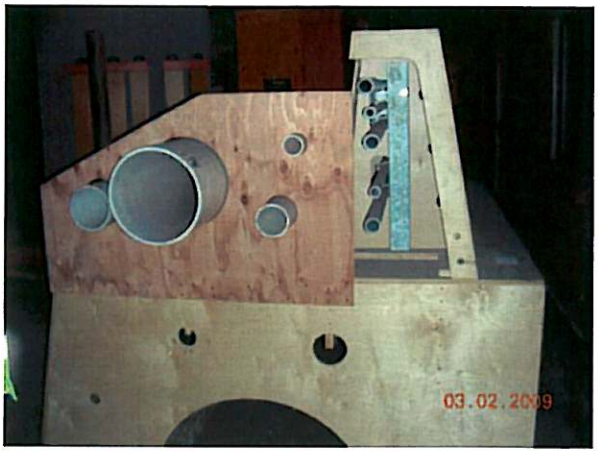
PB TOWER STATUS CHART MARCH 02, 2009

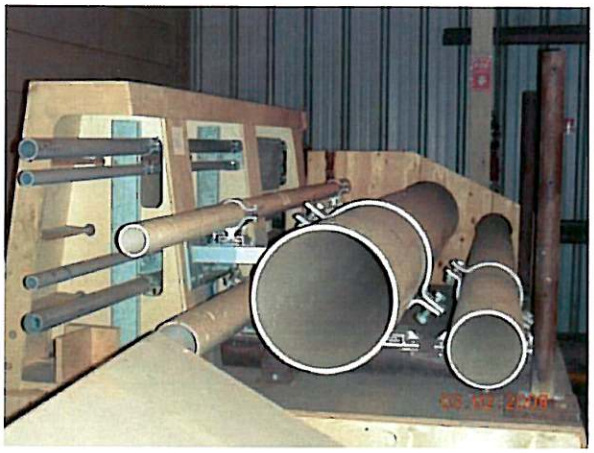
Attachment #1 (5/5)

Ty ok	2/24/2009	Submittal Priority by ABF Requested Due Date	Information Only	Responed / *redline	**Posted	Reviewing	PB color code ID
CT/JV Status	Reference	Subject	Req. Due Date	Resp. Engineer	Discipline	Date Received	Contract Due Date
Ty fri 2/27	ABF-SUB-000722R02	TOWER - LIFT 4 - TL Assembly Drawings	26-Feb-2009	Michelle Chui	P	12-Feb-2009	26-Feb-2009
Ty fri 2/27	ABF-SUB-000161R05	T1 Tower Strut Assembly Fabrication Procedure	03-Mar-2009	Mohammad Awal	P	17-Feb-2009	03-Mar-2009
	ABF-SUB-000141R33	TOWER - T1 Tower Weld Details (WDT)	04-Mar-2009	Mohammad Awal	P	18-Feb-2009	04-Mar-2009
	ABF-SUB-000459R08	TOWER - Skin Plate A - LIFT 3	04-Mar-2009	Mohammad Awal	P	18-Feb-2009	04-Mar-2009
	ABF-SUB-000469R06	TOWER - Skin Plate D - LIFT 3	04-Mar-2009	Sanny Khow	P	18-Feb-2009	04-Mar-2009
	ABF-SUB-000470R05	TOWER - Skin Plate B - LIFT 3	04-Mar-2009	Michelle Chui	P	18-Feb-2009	04-Mar-2009
	ABF-SUB-000471R06	TOWER- Skin Plate C - LIFT 3	04-Mar-2009	Sanny Khow	P	18-Feb-2009	04-Mar-2009
	ABF-SUB-000472R08	TOWER - Skin Plate E - LIFT 3	04-Mar-2009	Sanny Khow	P	18-Feb-2009	04-Mar-2009
	ABF-SUB-000648R05	TOWER - LADDER DETAILS - LIFT 1, 2	04-Mar-2009	Mohammad Awal	P	18-Feb-2009	04-Mar-2009
	ABF-SUB-000141R34	TOWER - T1 Tower Weld Details (WDT)	06-Mar-2009	Mohammad Awal	P	20-Feb-2009	06-Mar-2009
	ABF-SUB-000464R06	TOWER - LIFT 3 - Cross Brace and Strut	06-Mar-2009	Sanny Khow	P	20-Feb-2009	06-Mar-2009
	ABF-SUB-000605R11	TOWER - Skirt Drawings - LIFT 1	06-Mar-2009	Mohammad Awal	P	20-Feb-2009	06-Mar-2009
	ABF-SUB-000615R05	TOWER - Diaphragms Drawings - LIFT 4	06-Mar-2009	Sanny Khow	P	20-Feb-2009	06-Mar-2009
	ABF-SUB-000646R03	TOWER - External Struts Type 2 and 3A - LIFT 4	06-Mar-2009	Sanny Khow	P	20-Feb-2009	06-Mar-2009
	ABF-SUB-000687R04	TOWER - TL Drawings - LIFT 3	09-Mar-2009	Sanny Khow	P	23-Feb-2009	09-Mar-2009
	ABF-SUB-000988R00	TOWER - LIFT 3 - Exterior Ladder & Rail	11-Mar-2009	Mohammad Awal	P	20-Jan-2009	11-Mar-2009
	ABF-SUB-000989R00	TOWER - LIFT 4 - Exterior Ladder & Rail	11-Mar-2009	Sanny Khow	P	20-Jan-2009	11-Mar-2009
	ABF-SUB-000615R12						

Construction Field Photos - Taken By Martin Chandrawinata

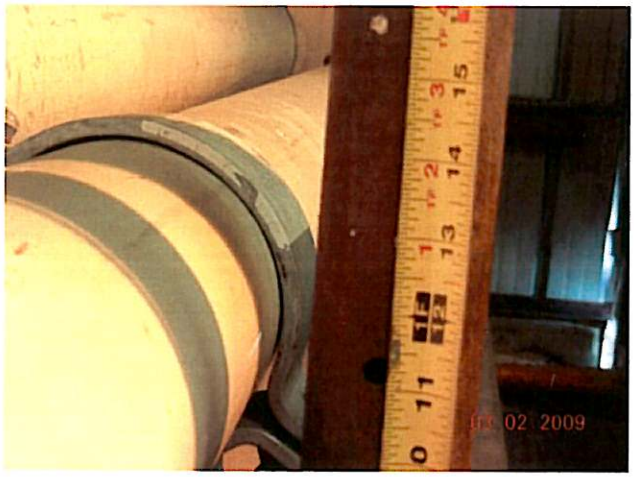
Attachment #2 (2/3)





MEP Piping & Conduit Installation on Barrier Rail OBG Prototype

MEP Piping & Conduit Installation on Barrier Rail OBG Prototype



MEP Piping & Conduit Installation on Barrier Rail OBG Prototype

Construction Field Photos – Taken By Martin Chandrawinata

Attachment #2 (3/3)

MEP Piping & Conduit Installation on Barrier Rail OBG Prototype

MEP Piping & Conduit Installation on Barrier Rail OBG Prototype

Attachment #3 (1/2)

Martin Chandrawinata/D04/Caltrans/CAGov
03/02/2009 09:06 AM

To Michael Travis/HQ/Caltrans/CAGov@DOT
cc
bcc
Subject Re: Fw: MEP Penetrations 1/26 - 1/30

Thank you, Mike!
Here's the latest update on the MEP penetration tracking.

Regards,

MEP Penetration Tracking.xls

Martin P. Chandrawinata
SAS Bridge Construction
Ph. 510-286-0535
www.baybridgeinfo.org

Consider the environment. Please don't print this e-mail unless you really need to.
Michael Travis/HQ/Caltrans/CAGov

Michael Travis/HQ/Caltrans/CAGov
03/02/2009 06:20 AM

To Martin Chandrawinata/D04/Caltrans/CAGov@DOT
cc
Subject Fw: MEP Penetrations 1/26 - 1/30

as requested..

Michael Travis
SFOBB Construction Offices
Design Campus Building
375 Burma Road
Oakland Ca. 94607
Phone: 510-808-4618

----- Forwarded by Michael Travis/HQ/Caltrans/CAGov on 03/02/2009 06:19 AM -----

Gina Rizzardo/D04/Caltrans/CAGov
02/01/2009 06:32 PM

To Michael Travis/HQ/Caltrans/CAGov@DOT, Bill Shedd/D04/Caltrans/CAGov@DOT, Martin Chandrawinata/D04/Caltrans/CAGov@DOT
cc Ken Lee/D04/Caltrans/CAGov@DOT
Subject MEP Penetrations 1/26 - 1/30

No new penetrations this past week. Although SP215A is already captured in the master spreadsheet, I put a photo up on the server in case you have not received one yet.

Thanks,
Gina Rizzardo
Structures Construction

Attachment #3 (2/2)

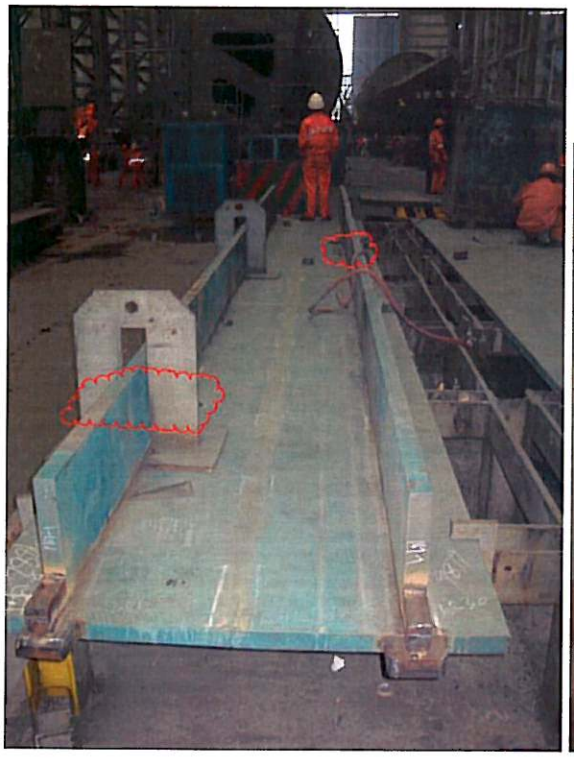
Week	OBG Progress		Tower Progress
1/12/09 - 1/16/09	SP571 – 14 penetrations EP35 – 1 penetration		Lift 1, West, Skin E – 2 square btwn E1&E2, 2 round btwn E5&E6 Lift 1, North, Skin E – 2 square btwn E1&E2, 2 round btwn E5&E6 Lift 1, North, Skin B – 2 square btwn B4&B5, 2 round btwn B1&B3 Lift 1, West, Skin B – 2 square btwn B4&B5, 2 round btwn B1&B3
1/19/09 - 1/23/09	SP732 -14 penetrations SP586 – 14 penetrations SP519– 14 penetrations Segment 5AE is on the paint shop. Segment 3BW and 3AW will be next.		No new penetrations.
1/26/09 - 1/30/09	No new penetrations. (SP 215A has some holes already - photo on server)		No new penetrations.
2/2/09 - 2/6/09	SP 589A – 1 penetration Assembly 3AW – 8 penetrations: 4 in DP 9A, 2 in DP 11, 2 in DP 11A Assembly 3AE – 1 penetration in SP 63		
2/9/09 - 2/13/09	No penetrations		No penetrations
2/16/09 - 2/20/09	No penetrations		No penetrations
2/23/09 -2/27/09	Assembly 4BW: SP 61, 1 penetration SP215A: 30 penetrations SP215A-1: 5 penetrations SP215A-2: 5 penetrations		A20: 8 Penetration A24: 8 Penetration A26: 4 Penetration

Team China Fabrication Photos – Taken By Gina Rizzardo

Attachment #4 (1/1)

TOWER A20 Plate

TOWER A26 Plate



TOWER A26 Plate

OBG SEG 4BW S61

Attachment #5 (1/2)

MARK	③	TEST
FB21A	X49C	(SPCM)
FB21B	X49G	(SPCM)(TTP-2) SEE NOTE "N"

(8 PP 21)
(8 PP 15,27)

PLATES NOTED TTP-2 ARE REQUIRED TO HAVE A MAXIMUM SULPHUR CONTENT OF 0.01% PER WEIGHT. (SEE GENERAL NOTES ON SHEET GN1)

FLOORBEAM SUB-ASSEMBLIES

(@ "N" LINE - LOOKING EAST(SOUTH HALF)
(FOR NOTES SEE SHEET FB21B)

NO	DATE	REMARKS	BY
3	3-13-08	REVISED STIFFENERS (EXTRA 14-EA) & SPACING OF RUNGS	RWC/HW
2	1-14-08	APPROVED - RELEASED FOR FABRICATION	RS-EEE
1	9-15-07	APPROVAL COMMENTS - DELETED TWO 38 DIA HOLES ADDED NEW FB21B @ LIFTING EDMS & REVISED NOTES (EXTRA X49-C)	RS-EEE

REVISIONS

SAN FRANCISCO OAKLAND BAY BRIDGE, EAST SPAN SELF-ANCHORED SUSPENSION SPAN
ROUTE 80 EAST OF YERBA BUENA ISLAND, DISTRICT 04, SF COUNTY, CA.
BRIDGE Nos. 34-0004L PM 8.2, KP 13.2 & 34-0005R PM 8.9, KP 13.9
STATE OF CALIFORNIA DEPT. OF TRANSPORTATION CONTRACT NO. 04-0120F4
ENGINEER: CALTRANS ---- T.Y.LIN / MAFFATT & NICHOL, JV.
CONTRACTOR: AMERICAN BRIDGE / FLUOR ENTERPRISES, JV.

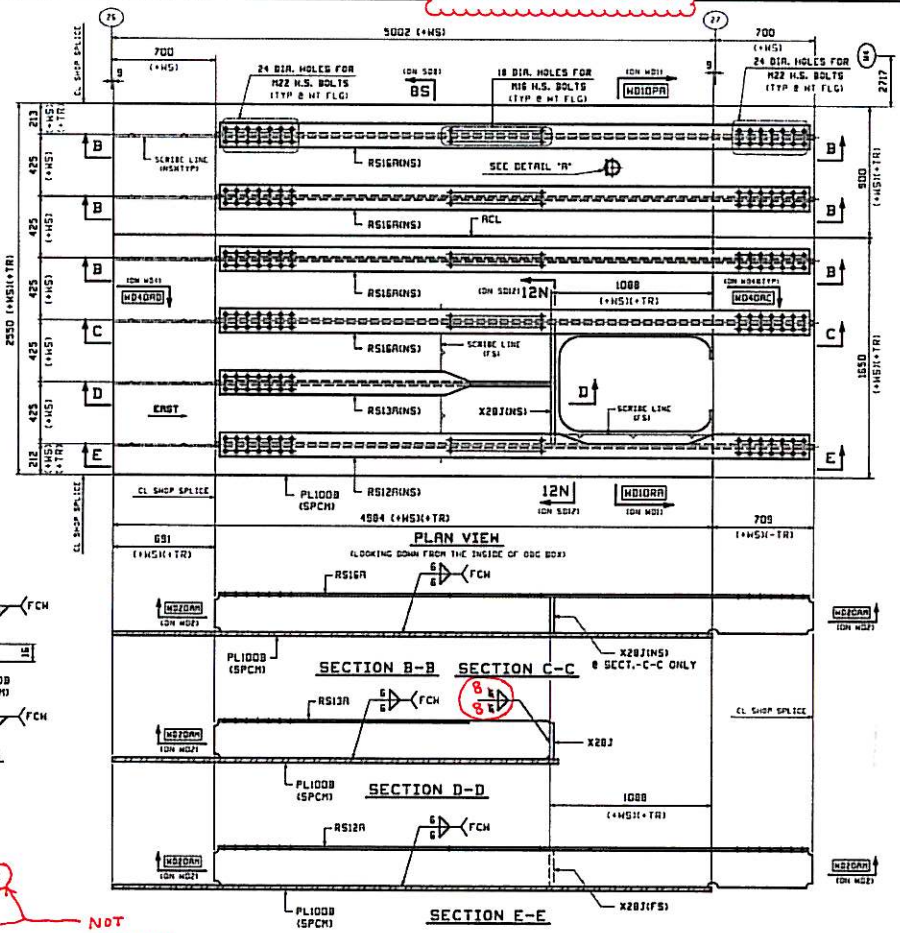
ZPMC
ZHENHUA PORT MACHINERY CO., LTD.

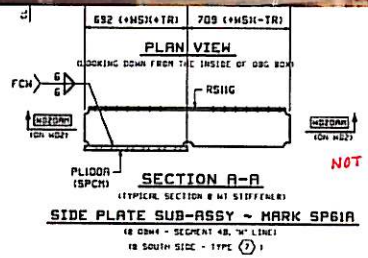
FLOORBEAM SUB-ASSEMBLY

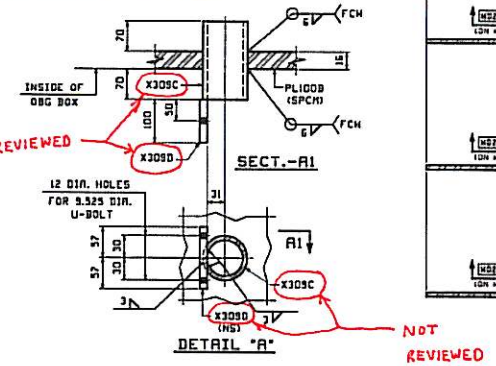
DRAWN	RB	3/28/07	SHEET NO. FB21	ORDER NO. DECK
CHECKED	EEE	07/07		

WORK THIS SHEET WITH SHEETS FB21A & FB21B

Attachment #5 (2/2)







BILL OF MATERIALS

SHOP BILL

NO.	SHAPE	LENGTH in	LENGTH mm	MARK	WEIGHT	REMARKS	BILL BASED NO.	BILL BASED ITEM
1	SIDE PLATE SUB-ASSY			SP61A	510			
1	SIDE PLATE			PL100A	222	ON SHEET PL100		
6	MT STIFFENER			RS11G	48	ON SHEET RS11		
1	SIDE PLATE SUB-ASSY			SP61B	2336			
1	SIDE PLATE			PL100B	1598	ON SHEET PL100		
1	MT STIFFENER			RS12H	170	ON SHEET RS12		
1	MT STIFFENER			RS13H	108	ON SHEET RS13		
4	MT STIFFENER			RS16A	170	ON SHEET RS16		
1	STIFFENER			X28J	39	ON SHEET X28		
1	PIPE			X309C	1	ON SHEET X309		
1	PLATE			X309D	1	ON SHEET X309		

ALL MATERIAL TO BE A709M-345 U.N.

NOTES:

1. FOR GENERAL NOTES SEE SHEETS GN1 THRU GN5.
2. FOR WELDING DETAILS SEE SHEETS WD1, WD2, WD3 & WD4.
3. FOR STANDARD DETAILS SEE SHEETS PL100, RS11, RS12, RS13, RS16, SD8, SD12, X28 & X309.
4. SIDE SUB-ASSY ARE SHOWN WITH CAMBERED DIMENSIONS, WITHOUT ANY ADJUSTMENTS FOR WELD EDGE PREPARATION, WELD SHRINKAGE, TRIMMING OR SQUARING.
5. (SPCM) - DENOTES SEISMIC PERFORMANCE CRITICAL MEMBER.
6. FCW - DENOTES FRACTURE CRITICAL WELD.

ZPMC

SHANGHAI ZHENHUA PORT MACHINERY CO., LTD.

NO	DATE	REMARKS	BY
1	9-17-07	APPROVAL COMMENTS - REVISED SPAN MARK-UP-SATISFACTORY 2011	RB/CEE
2	9-14-07	APPROVAL COMMENTS - RELEASED FOR FABRICATION W/EXTRA SHOP	RB/CEE

SAN FRANCISCO OAKLAND BAY BRIDGE, EAST SPAN SELF-ANCHORED SUSPENSION SPAN
ROUTE 80 EAST OF YERBA BUENA ISLAND, DISTRICT 04, SF COUNTY, CA.
BRIDGE Nos.: 34-0008L PM 8.2, KP 13.2 & 34-0008R PM 8.2, KP 13.2
STATE OF CALIFORNIA DEPT. OF TRANSPORTATION CONTRACT NO. 04-0120F4
ENGINEER: CALTRANS ---- T.Y.LIN / MOFFATT & NICHOL, JV.
CONTRACTOR: AMERICAN BRIDGE / FLUOR ENTERPRISES, JV.

SIDE PLATE SUB-ASSEMBLY - PLATE TYPE 7 (SEC. 4B) ("M" LINE)

DRAWN	RB	3/17/07		SHEET NO.	ORDER NO.
CHECKED	CEE	08/07		SP61	DECK