



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

ENGINEER'S DAILY REPORT

LAN Engineering Consultant

Gary J 3/29/2009

REPORT NO.	DATE		
827 {7-day} { + 210 Project Work Day}	March 19, 2009	M T W T F S S (DAY)	
NORMAL WORK HOUR:	WEATHER:		
START: 6:00AM STOP: 3:30PM	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:

❖ **SAS Opportunity Partnering Schedule (OPS) Work.**

- Emailed a copy of my comments integrated into the Ops Meeting recap document to Bill Shedd, Gary Lai and Michael Stone. See attachment #1.

❖ **Pull Box research on fabrication issues – Sheet #271/specification.**

- Sent emails to Pull Box Manufactures to determine if the plans and specifications provided by the design group can be acquired by the contractor. The design group did indicate that the plans and specifications are complete to provide the required pull boxes.
- Sent an email package to BLine @ Cooperindustries.com for verification that the pull boxes can be fabricated. See attachment # 2.

❖ **Communication with Team China – MEP Issues / Items**

- Martin Chandrawinata emailed OBG Deck Shop DWG Checks to Team China. Team China returned email on same subject. See attachment #3.
- Gina email the weekly status of the penetrations made at ZPMC last week. See attachment # 4.

*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

Work hours 0530-1600 – 8 hours regular

Attachments:

1. Email - OPS Meeting Recap with my comments to Bill Shedd.
2. Email - Tower / OBG transition pull box fabrication issue.
3. Email - Communication Information to Team China
4. Email - Gina China Status on Penetrations.

SIGNATURE

Name	TITLE
Michael F. Travis	Electrical Engineer – LAN Engineering

REC'D 09 MAR 24 10:09:18

Attachment #1 (1/1)



Michael
Travis/HQ/Caltrans/CAGov
03/19/2009 08:27 AM

To Bill Shedd/D04/Caltrans/CAGov@DOT
cc Michael Stone/D04/Caltrans/CAGov@DOT, Gary J
Lai/D04/Caltrans/CAGov@DOT
bcc

Subject OPS Meeting Recap - Comment from MFT

Bill,

Attached is a copy of Chris Bausone's Recap of the OPS Meeting (March 11, 2009 Meeting) with some comments that I included.

The comments just some items that I had put down during and after the meeting that I need to make sure I follow up on.

I will continue to research and develop the issues that need to be address before and during the installation phase of the contract.



Recap with my comments: OPS Meeting Recap Comments MFT.pdf

Any questions or comments please let me know.

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



Michael
Travis/HQ/Caltrans/CAGov
03/19/2009 02:47 PM

To blineus@CooperIndustries.com
cc
bcc
Subject Special Order NEMA 4x Pull Boxes

Attached is a copy of a plan and specifications for some Nema 4x Stainless steel Pull Boxes .

Please let me know if your company can fabricate these pull boxes per the requirement in the attached documents.



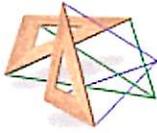
Pull Box Plan / Specifications ; Box Fabrication MFT.pdf

My email addresses are as follows:

Mike.Travis@LANEngineering.com
or
MichaelTravis@dot.ca.gov

Thank you.

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



Martin
Chandrawinata/D04/Caltrans/
CAGov

03/19/2009 09:03 AM

To Gina Rizzardo/D04/Caltrans/CAGov@DOT

cc Michael Travis/HQ/Caltrans/CAGov@DOT, Bill
Shedd/D04/Caltrans/CAGov@DOT, kingn@pbworld.com,
tho@tylin.com, Gary J Lai/D04/Caltrans/CAGov@DOT

bcc

Subject OBG Deck Shop DWG checks - MEP

Gina,

Here's the list that I mentioned on the phone yesterday. Sorry I forgot to send it yesterday afternoon.

The review is of the CA, DP, and PL sheets. This should list missing deck penetrations for conduits, bolt holes for Flume and Lighting, and possible cable handrail post conflicts with the Emergency Access Platform on the Eastbound South Deck.

If you have any questions, feel free to contact me. Thanks.



OBG Shop MEP Deck 031709.xls

Regards,

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

WB North Deck

last updated: 12/17/08 mpc

Penetration (Based on Penetration Chart)			
PP	DWG	Status	Description
15	CA99A	A	Missing 2 holes
17	CA101	A	Missing 1 Additional Penetration (AP)
25	CA7	A	Missing 1 AP
47	CA31	A	Missing 1 AP
50	CA35	A	Missing 2 holes
51	CA35A	A	Missing 2 holes
53	CA37	A	Missing 1 AP
56	CA41	A	Missing 2 holes
57	CA41A	A	Missing 2 holes
59	CA43	A	Missing 1 AP
62	CA47	A	Missing 2 holes
63	CA47A	A	Missing 2 holes
65	CA49	A	Missing 1 AP
68	CA53	A	Missing 2 holes
69	CA53A	A	Missing 2 holes
71	CA55	A	AP marked incorrectly (No cap shown)
74	CA59	A	Missing 2 holes
75	CA59A	A	Missing 2 holes
77	CA61	A	Missing 1 AP
80	CA65	A	Missing 2 holes
81	CA65A	A	Missing 2 holes
83	CA67	A	Missing 1 AP
86	CA71	A	Missing 2 holes
87	CA71A	A	Missing 2 holes
89	CA73	A	Missing 1 AP
92	CA77	A	Missing 2 holes
95	CA79	R	Missing 1 AP
98	CA83	R	Missing 2 holes
99	CA83A	R	Missing 2 holes
101	CA85	R	Missing 1 AP
102	CA85A	R	Missing 2 holes
103	CA85A	R	Missing 2 holes
104	CA89	R	Missing 2 holes
105	CA89A	R	Missing 2 holes
107	CA91	R	Missing 1 AP
PP	DWG	Status	Description
25	DP33	A	Missing 1 AP
PP	DWG	Status	Description
25	PL17	A	Missing 1 AP
103	PL1190	R	Missing 2 holes

WB North Deck

3/16/09 mpc

Lighting			
PP	DWG	Status	Description
9	CA105	A	Light Fixture Holes Missing
9	DP734	AAN	Light Fixture Redline added
9	PL1456	AAN	Light Fixture Redline added

WB South Deck

last updated: 12/17/08 mpc

Penetration (Based on Penetration Chart)			
PP	DWG	Status	Description
25	CA9	NS	Missing 1 AP & No Stamp
53	CA36	A	Missing 1 AP
59	CA44	A	Missing 1 AP
88	CA74A	A	AP marked incorrectly (No cap shown on 1 AP)
95	CA80A	R	Missing 1 AP
97	CA80	R	Missing 2 APs
101	CA86A	R	Missing 1 AP
107	CA92	R	Missing 1 AP
PP	DWG	Status	Description
84	DP687A	P	Status Pending (No stamp) Dwg date 12/2/08
97	DP691A	R	2 APs marked incorrectly (No cap shown)
107	DP695	R	2 APs marked incorrectly (No cap shown)
PP	DWG	Status	Description
95	PL1251	R	Missing 1 AP
101	PL1253	R	Missing 1 AP
107	PL1255	R	Missing 1 AP

WB South Deck

last updated: 12/17/08 mpc

FLUME (Based on Sheet 878R2 - CCO#44)									
PP	DWG	Status	Description	DWG	Status	Description	DWG	Status	Description
9	CA106	A	Flume Missing	DP735	A	Good	PL1457	A	Why 5 holes shown?
12	CA96	A	Good	DP725	AAN	4 bolts Redlined	PL1559	A	Good
18	CA102	A	Good	DP727	AAN	4 bolts Redlined	PL1562	A	Good
23	CA5	NS	Missing 4th holes. (No Stamp. 10/12/07) 3 Holes (No Stamp. 10/12/07)	DP23	A	Good	PL15	A	Good
25	CA9	NS	10/12/07)	DP35	A	Good	PL23	A	Good
30	CA16	A	Good	DP626	AAN	4 bolts Redlined	PL1117	A	Good
35	CA22	A	Good	DP628	AAN	4 bolts Redlined	PL1123	A	Good
37	N/A	NA	CA Dwg Not available	DP513	A	Good	PL835	A	Good
46	N/A	NA	CA Dwg Not available	DP515A	A	Good	PL839	A	Good
48	CA32	A	Good	DP646	A	Good	PL1232	A	Good
53	CA38A	A	Good	DP648	A	Good	PL1234	A	Good
55	N/A	NA	CA Dwg Not available	DP649	A	Good	PL1235	A	Good
61	N/A	NA	CA Dwg Not available	DP651	A	Missing 4th hole	PL1237	A	Missing the 4th hole
66	CA50	A	Good	DP652A	A	Good	PL1239A	A	Missing the 4th hole
71	CA56	A	Good	DP683	A	Good	PL1242	A	Missing the 4th hole
73	N/A	NA	CA Dwg Not available	DP684	A	Good	PL1243	A	Good
78	CA62	A	Good	DP685A	A	Good	PL1244A	A	Good
84	CA68	A	Good	DP687A	P	Good	PL1246A	A	Good
89	CA74A	A	Good	DP689	A	Good	PL1248	A	Missing the 4th hole
91	CA74	A	Missing the 4th hole	DP689A	A	Good	PL1249	A	Good
96	CA80	R	Missing the 4th hole	DP691	R	Good	PL1251	R	Missing the 4th hole
101	CA86A	R	Missing the 4th hole	DP693	R	Good	PL1253	R	Missing the 4th hole
103	CA86	R	Missing the 4th hole	DP693A	R	Good	PL1253	R	Missing the 4th hole
107	CA92	R	Missing 4th Hole. Flume relocated to PP107 (RFI-897)	DP695	R	Good	PL1255	R	Missing the 4th hole

WB South Deck

last updated: 12/17/08 mpc

Lighting									
PP	DWG	Status	Description	DWG	Status	Description	DWG	Status	Description
34	NA	NA	NA	DP627A	A	Good	PL1120A	A	Good
35	CA22	A	Good	DP628	AAN	Good	PL1123	A	Good
35	CA22	A	Good	DP628	AAN	Good	PL1123	A	Good
36	CA22	A	Good	DP628	AAN	Good	PL1123	A	Good
36	CA22	A	Good	DP628	AAN	Good	PL1123	A	Good
38	NA	NA	At the Crossbeam	DP513	A	Good	PL836	A	Good
39	NA	NA	At the Crossbeam	DP513A	A	Good	PL836	A	Good
40	NA	NA	At Side of Crossbeam	NA	NA	At Side of CB	NA	NA	At Side of CB
40	NA	NA	At Side of Crossbeam	NA	NA	At Side of CB	NA	NA	At Side of CB
41	NA	NA	At Counterweight	NA	NA	At CW	NA	NA	At CW
41	NA	NA	At Counterweight	NA	NA	At CW	NA	NA	At CW
42	NA	NA	At Counterweight	NA	NA	At CW	NA	NA	At CW
42	NA	NA	At Counterweight	NA	NA	At CW	NA	NA	At CW
44	NA	NA	At Side of Crossbeam	NA	NA	At Side of CB	NA	NA	At Side of CB
44	NA	NA	At Side of Crossbeam	NA	NA	At Side of CB	NA	NA	At Side of CB
44	NA	NA	At the Crossbeam	DP515	A	Good	PL838A	A	Good
45	NA	NA	At the Crossbeam	DP515A	A	Good	PL838A	A	Good
47	CA32	A	Good	DP646	A	Good	PL1232	A	Good
47	CA32	A	Good	DP646	A	Good	PL1232	A	Good
48	CA32	A	Good	DP646	A	Good	PL1232	A	Good
48	CA32	A	Good	DP646	A	Good	PL1232	A	Good
49	NA	NA	At OBG	DP647	A	Good	PL1233	A	Good

EB North Deck last updated: 1/26/09 mpc

Penetration (Based on Penetration Chart)			
REVIEWED UP TO PP108 ONLY			
PP	DWG	Status	Description
17	CA103	A	Missing 1 AP
54	CA39A	A	Missing 1 AP
66	CA51A	A	Missing 1 AP
72	CA57	A	Missing 1 AP
78	CA63A	A	Penetration should be labeled AP
84	CA69A	A	Penetration should be labeled AP
88	CA75	N	Penetration missing. May conflict
88	CA75	N	Penetration missing. May conflict
88	CA75	N	Missing 1 AP. May conflict w/ post
90	CA75A	A	Missing 1 AP
96	CA81A	R	Missing 1 AP
97	CA81A	R	Missing 1 Penetration
97	CA81A	R	Missing 1 AP
97	CA81A	R	Missing 1 AP
108	CA93	R	Missing 1 Penetration
108	CA93	R	Missing 1 AP
108	CA93	R	Missing 1 AP
PP	DWG	Status	Description
25	DP36	A	Missing 1 AP (Detail 25F)
88	DP702	A	1 Penetration should be labeled AP & 25F
97	DP704A	R	2 Penetrations should be labeled AP & 25F
108	DP708	R	2 Penetrations should be labeled AP & 25F
PP	DWG	Status	Description
25	PL24	A	Missing 1 AP
96	PL1320	R	Missing 1 AP
98	PL1321	R	2 Penetrations are redlined
99	PL1321	R	2 Penetrations are redlined
105	PL1323	R	Missing 1 AP
108	PL1324	R	1 Penetration and 2 APs are redlined

EB North Deck last updated: 3/16/09 mpc

Lighting									
PP	DWG	Status	Description	DWG	Status	Description	DWG	Status	Description
34	NA	NA	CA DWG Not available	DP630A	A	Good	PL1129A	A	Good
35	CA23	A	Good	DP631	A	Good	PL1132	A	Good
35	CA23	A	Good	DP631	A	Good	PL1132	A	Good
36	CA23	A	Good	DP631	A	Good	PL1132	A	Good
36	CA23	A	Good	DP631	A	Good	PL1132	A	Good
38	NA	NA	At the Crossbeam	DP516	A	At the CB	PL841	A	At the CB
39	NA	NA	At the Crossbeam	DP516A	A	At the CB	PL841	A	At the CB
40	NA	NA	At Side of Crossbeam	NA	NA	At Side of CB	NA	NA	At Side of CB
40	NA	NA	At Side of Crossbeam	NA	NA	At Side of CB	NA	NA	At Side of CB
41	NA	NA	At Counterweight	NA	NA	At CW	NA	NA	At CW
41	NA	NA	At Counterweight	NA	NA	At CW	NA	NA	At CW
42	NA	NA	At Counterweight	NA	NA	At CW	NA	NA	At CW
42	NA	NA	At Counterweight	NA	NA	At CW	NA	NA	At CW
44	NA	NA	At Side of Crossbeam	NA	NA	At Side of CB	NA	NA	At Side of CB
44	NA	NA	At Side of Crossbeam	NA	NA	At Side of CB	NA	NA	At Side of CB
44	NA	NA	At the Crossbeam	DP518	A	At the CB	PL843A	NA	At the CB
45	NA	NA	At the Crossbeam	DP518A	A	At the CB	PL843A	NA	At the CB
47	CA33	A	Missing Light Holes	DP654	A	Good	PL1301	A	Good
47	CA33	A	Missing Light Holes	DP654	A	Good	PL1301	A	Good
48	CA33	A	Missing Light Holes	DP654	A	Good	PL1301	A	Good
48	CA33	A	Missing Light Holes	DP654	A	Good	PL1301	A	Good
49	NA	NA	CA DWG Not available	DP655	A	Good	PL1302	A	Good

EB South Deck last updated: 1/27/09 mpc

Penetration (Based on Penetration Chart)			
REVIEWED UP TO PP108 ONLY			
PP	DWG	Status	Description
25	CA8	A	Missing 1 AP
48	CA34	A	Missing 1 AP
50	CA36	A	Missing 2 Penetrations "25C"
51	CA36	A	Missing 2 Penetrations "25D"
53	CA40	A	Missing 1 AP
56	CA42	A	Missing 2 Penetrations "25C"
57	CA42	A	Missing 2 Penetrations "25D"
62	CA48	A	Missing 2 Penetrations "25C"
63	CA48	A	Missing 2 Penetrations "25D"
65	CA52	A	Missing 1 AP
68	CA54A	A	Missing 2 Penetrations "25C"
71	CA58	A	Missing 1 AP
77	CA64	A	Missing 1 AP
80	CA65	A	Missing 2 Penetrations "25C"
81	CA66	A	Missing 2 Penetrations "25D"
83	CA70	A	Missing 1 AP
86	CA72	A	Missing 2 Penetrations "25C"
87	CA72	A	Missing 2 Penetrations "25D"
92	CA78A	A	Missing 2 Penetrations "25C"
93	CA78A	A	Missing 2 Penetrations "25D"
95	CA82A	R	Missing 1 AP
98	CA84A	R	Missing 2 Penetrations "25C"
99	CA84	R	Missing 2 Penetrations "25D"
100	CA84	R	Missing 1 Penetration "25C"
102	CA88	R	Missing 2 Penetrations "25C"
103	CA88	R	Missing 2 Penetrations "25C"
104	CA90A	R	Missing 2 Penetrations "25C"
105	CA90	R	Missing 2 Penetrations "25D"
107	CA94	R	Missing 1 AP
PP	DWG	Status	Description
25	DP46	A	Missing 1 AP
PP	DWG	Status	Description
25	PL30	A	Missing 1 AP
100	PL1390	R	Missing 1 AP
103	PL1391	R	Missing 2 Penetrations "25C"

EB South Deck last updated: 3/10/09 mpc

FLUME									
PP	DWG	Status	Description	DWG	Status	Description	DWG	Status	Description
11	CA98A	A	Good	DP731	A	Missing 4th hole	PL1567	A	Good
19	CA2A	A	Good	DP10	A	Good	PL6	A	Good
25	CA8	A	Good	DP34	A	Good	PL22	A	Good
29	CA18A	A	Good	DP632	AAN	Missing 4th hole	PL1135	A	Good
35	CA24	A	Good	DP634	AAN	Missing 4th hole	PL1140	A	Good
39	CA26	A	Good	DP635A	AAN	Missing 4th hole	PL1159	A	Good
45	CA30	A	Good	DP637A	A	Good	PL1164	A	Good
49	CA36A	A	Good	DP663	A	Good	PL1371	A	Good
55	CA42A	A	Good	DP665	A	Good	PL1373	A	Good
59	CA46	A	Good	DP666	A	Good	PL1374	A	Good
65	CA52	A	Good	DP668	A	Missing 4th hole	PL1377	A	Missing 4th hole
69	CA54	A	Good	DP669A	A	Missing 4th hole	PL1378	A	Missing 4th hole
75	CA60	A	Missing the 4th holes	DP710A	A	Good	PL1381	A	Good
79	CA66A	A	Missing the 4th holes	DP712	A	Good	PL1383	A	Missing 4th hole
85	CA72A	A	Good	DP714	A	Good	PL1385	A	Missing 4th hole
89	CA76A	A	Good	DP715	A	Good	PL1386	A	Missing 4th hole
95	CA82A	R	Missing the 4th holes	DP717	A	Good	PL1389	R	Missing 4th hole
99	CA84A	R	Missing the 4th holes	DP718	R	Good	PL1390	R	Missing 4th hole
101	CA88A	R	Missing the 4th holes	DP719	R	Missing 4th hole	PL1391	R	Missing 4th hole
105	CA90A	R	Missing the 4th holes	DP720	R	Good	PL1392	R	Missing 4th hole

* PP101 - Is Flume needed? This doesn't show on the OBG Layout Deck Drawing

EB South Deck last updated: 3/13/09 mpc

Lighting									
PP	DWG	Status	Description	DWG	Status	Description	DWG	Status	Description
9.5	CA108	A	Missing Light Holes	DP737	A	Missing Holes	PL1459	A	Missing Light Holes
10	CA98A	A	Missing Light Holes	DP731	A	Good	PL1567	A	Good
91	CA76	A	Missing Light Holes	DP715A	A	Good	PL1387	A	Good
93	CA78	A	Missing Light Holes	DP716	A	Good	PL1388	A	Good

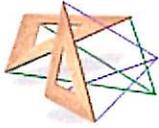
PP9.5 - 100W light is reflected on the lighting plan.

EB South Deck last updated: 3/13/09 mpc

Conflict with Bikepath Emergency Access Platform? Redundant Hand Rail Post?									
PP	DWG	Status	Description	DWG	Status	Description	DWG	Status	Description
14	CA100	A	Possible Conflict w/ EAP	DP732	A	Redundant?	PL1569	A	Conflict
46	CA30	A	Conflict with EAP	DP637A	A	Conflict	PL1167	A	Conflict
70	CA54	A	Redundant handrail post?	DP669A	A	Redundant?	PL1379	A	Good
78	CA64	A	Possible Conflict w/ EAP	DP711A	A	Conflict?/Red?	PL1382	A	Possible Conflict?
91	CA76	A	Redundant handrail post?	DP715A	A	Good	PL1387	A	Good

Emergency Access Platform (EAP) are located on PP14, 46, 78, and 123 (moved from PP110).

PP	DWG	Location	Description
	119 OBG Layout	WB South Deck	Chart Does not show penetrations for lighting
	119 OBG Layout	EB North Deck	Chart Does not show penetrations for lighting
	120.5 OBG Layout	EB South Deck	OBG Layout Drawing does not show lighting penetration
	14 OBG Layout	EB South Deck	Emergency Access Panels
	46 OBG Layout	EB South Deck	Emergency Access Panels
	78 OBG Layout	EB South Deck	Emergency Access Panels
	123 OBG Layout	EB South Deck	Emergency Access Panels (Moved from PP110??)



Martin
Chandrawinata/D04/Caltrans/
CAGov

03/19/2009 05:34 PM

To Gina Rizzardo/D04/Caltrans/CAGov@DOT
cc Michael Travis/HQ/Caltrans/CAGov@DOT
bcc
Subject Re: OBG Deck Shop DWG checks - MEP 

Hi Gina,

The penetrations are the same - nothing new from Mike Travis' chart.
I went over the approved shop drawings (CA, DP, and PL) sheets and found that these approved shop drawings are missing some penetrations for conduits, bolt holes for flumes, lighting poles, etc.

martin

Gina Rizzardo/D04/Caltrans/CAGov



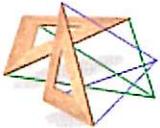
Gina
Rizzardo/D04/Caltrans/CAGov
03/19/2009 05:03 PM

To Martin Chandrawinata/D04/Caltrans/CAGov@DOT
cc
Subject Re: OBG Deck Shop DWG checks - MEP 

Hi Martin,

Are these penetrations in addition to those that are found in Mike's Mater Spreadsheet? If so, could we combine the spreadsheets or are these CCO work that needs to be tracked separately?

Thanks,
Gina Rizzardo
Structures Construction
SF/OBB-SAS
136-1187-1856
Martin Chandrawinata/D04/Caltrans/CAGov



Martin
Chandrawinata/D04/Caltrans/
CAGov

03/20/2009 12:03 AM

To Gina Rizzardo/D04/Caltrans/CAGov@DOT
cc Michael Travis/HQ/Caltrans/CAGov@DOT, Bill
Shedd/D04/Caltrans/CAGov@DOT, kingn@pbworld.com,
tho@tylin.com, Gary J Lai/D04/Caltrans/CAGov@DOT
Subject OBG Deck Shop DWG checks - MEP

Gina,

Here's the list that I mentioned on the phone yesterday. Sorry I forgot to send it yesterday afternoon.

The review is of the CA, DP, and PL sheets. This should list missing deck penetrations for conduits, bolt holes for Flume and Lighting, and possible cable handrail post conflicts with the Emergency Access Platform on the Eastbound South Deck.

If you have any questions, feel free to contact me. Thanks.

[attachment "OBG Shop MEP Deck 031709.xls" deleted by Gina Rizzardo/D04/Caltrans/CAGov]

Regards,

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



Gina
Rizzardo/D04/Caltrans/CAGov

To Martin Chandrawinata/D04/Caltrans/CAGov@DOT, Michael
Travis/HQ/Caltrans/CAGov@DOT
cc Bill Shedd/D04/Caltrans/CAGov@DOT

03/19/2009 08:00 PM

bcc

Subject MEP Penetrations 3/16 - 3/20

History:

 This message has been replied to.

TOWER

Shear plate A28 - 10 penetrations
Shear plate A29 - 10 penetrations
Lift 3 South, Skin A - 8 penetrations
Lift 3 East, Skin A - 8 penetrations

OBG

CB04, SP209 - 40 penetrations
7BE, SP 571 - 14 penetrations
4BE, SP 67 - 1 penetration
4BW, SP 4 - 2 penetrations
4AW, DP 35 - 1 penetration
3AW, SP 57 - 1 penetration

A few photos have been uploaded to the serves as well.

Gina Rizzardo
Structures Construction
SF/OBB-SAS
136-1187-1856