



P.O. BOX 23223 Oakland, CA 94623
 Phone (510) 419-0120/ Fax (510) 839-0666

LETTER OF SUBMITTAL
KFM Skyway Project # 04-012024

Run Date 14-Jan-05
 Time 10:30 AM

Dated: 14-Jan-2005

SUBMITTAL No: WM-SUB-002140

Rev: 01

To: Doug Coe
 Caltrans-Skyway Project
 345 Burma Road
 Oakland CA 94607
 Phone: Fax:

Co/Job # 364-3726
 Contract # 04-012024
 Sub/Supplier: USI
 Sub/Supplier No:

Subject: USI - Documents Clearing USI KFM NCR #24 (USI NCR 04-21)

Special Provis. (SP) REF: 08-3.01
 Standard Spec. (SS) REF:

RESUBMITTAL/SUPPLEMENTAL REF:

We are sending the following attached items: Attached

Via Fax

- | | | |
|---------------------------------------|---|---|
| <input type="checkbox"/> Drawing | <input type="checkbox"/> Plans | <input type="checkbox"/> Prog. Pmt |
| <input type="checkbox"/> Samples | <input type="checkbox"/> Certificates of Compliance | <input type="checkbox"/> Calculations |
| <input type="checkbox"/> Payroll | <input type="checkbox"/> Specs | <input type="checkbox"/> copy of Letter |
| <input type="checkbox"/> Change Order | <input type="checkbox"/> Schedule | <input type="checkbox"/> Invoice |

Item	Date	Copies	Description	Drawing No	Rev	Status	Pages
01	21-Jan-05	1	Letter of Transmittal #230		0	Pending	2
02	14Jan-05	1	USI - Documents Clearing USI KFM NCR #24 (USI NCR 04-21)		0	Pendina	6

These are transmitted as checked below:

- | | | |
|---------------------------------------|---|--|
| <input type="checkbox"/> For Approval | <input type="checkbox"/> For Review/comment | <input type="checkbox"/> Return For Correction |
| <input type="checkbox"/> For Your Use | <input type="checkbox"/> As Requested | <input type="checkbox"/> For Information |

Remarks:

CC:

Please review / approve by : 21-Jan-2005 _____

Submitted By: Rich Bienek _____
 (KFM Staff Member - Originator of Transmittal)

Checked & Sent By: SPurke
 Contract Admin/DCS Staff

NCR # 211

Universal Structural, Inc

NONCONFORMANCE REPORT

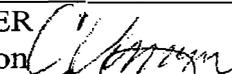
DATE:	INITIATOR	DEPARTMENT:	NCR NUMBER:
March 30, 2004	Ralph Seeley	Production	04-21
JOB NUMBER:	JOB NAME:	DRAWING	CODE/SPECIFICATION
23932	SFOBB	57	AWS D1.5

Diaphragm pa57 has a stiffener, p153b that is out of flatness by the following amount: From the left end on the far side 6mm measure at the end, 10mm at 500 mm, 25 mm at 1000mm, 46 mm at 1500mm, 50 mm at 2500 mm, 36 mm at 3000 mm, 20 mm at 3500 mm, 15mm at 4000 mm, 13 mm at the right end. This stiffener was welded with FCAW in the middle were a sub-arc was not able to weld due to the closeness of the pipe attachment. Sub-arc was used on the ends.

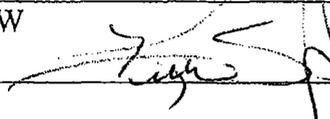
QA MANAGER Chris Amonson DATE: 3/30/04

RECOMMENDED DISPOSITION:

Areas distorted by welding shall be straightened by application of a limited amount of localized heat with minimal mechanical assistance. The temperature of heated areas shall not exceed 1100 degrees F. (600 degrees C.). All application of heat to base metal shall be controlled by using Temp Sticks or Thernocouples to assure that heat does not exceed allowable. Weld joints are to be heated on both sides, parallel to the weld. This line heat will be located approximately 1 to 3 inches from the weld joint on the outside of the surface that is distorted.

QAMANAGER  DATE Chris Amonson 3/30/04	PROJECT MANAGER  DATE Brad Young 3/30/04
PLANT MANAGER  DATE Ralph Seeley 3/30/04	KFM/QA MANAGER  DATE Rich Bienek

QC	CUSTOMER
DATE	DATE

FINAL REVIEW  **DATE**
 1/11/05

DL TTT

4/21/04

DEPARTMENT OF TRANSPORTATION

SFOBB - Skyway Project
25 Burma Road
Oakland, CA 94607
Facsimile Number: (510)622-5165



Flex Your Power
Be Energy Efficient!

April 21, 2004

KFM, a JV
220 Burma Road
Oakland, CA 94607

Contract: 04-012024
04-SF, Ala-80-13.9/14.3, 0.0/1.6
SFOBB Skyway Project
State Letter # 5.03.1-004246

Subject: Response to KFM-SUB-002140R00: USINCR 04-21

Dear Mr. Skoro,
Attention: Paul Hegarty,

24

The State has reviewed KFM-SUB-002140R00: USI NCR 04-21. The request to heat straighten diaphragm pa57 is **not** approved. Diaphragm pa57 is rejected until KFM/USI can provide additional information which demonstrates the material conforms to the Contract requirements.

Should you have **any** questions, please contact David Wu at (510) 622-5104.

Sincerely,

David Wu
Senior **Bridge** Engineer

For Mr. Douglas C. Coe
Resident Engineer

cc: D. Coe, I. Khinsani, V. Iyer, D. Wu, S. Abbas, B. Chew, H. El-Natur, P. Lowry, I. Kwong

file: 5.03.1, 9.07.8

NCR # 24

UNIVERSAL STRUCTURAL INC.

ULTRASONIC TEST REPORT

REPORT IDENTIFICATION JOB NUMBER <u>23932</u> DWG. NO. <u>57A/B</u> ITEM NO. <u>Pa 57</u> EQUIPMENT: <u>KB USN</u> <u>52/52L/58L</u> Transducer <u>2.25 MHZ</u> COUPLANT: <u>CELLULOSE</u>	ACCEPTANCE STANDARD AASHTO/AWS D1.5 VISUAL ACCEPTANCE PRIOR TO NDE BY: J. GREY J. LOWENGART P. HALE S. REED B. BELLEVEAU	CUSTOMER IDENTIFICATION PROJECT: <u>OAKLAND-BAY</u> CUSTOMER: <u>KFM / A JV.</u> BRIDGE NO. <u>34-0006 L/R</u> CONTRACT NO: <u>04-012024</u> Base metal tested per AWS D1.5 96, section 6.19.5 with a 2.25 MHZ longitudinal wave transducer
--	--	---

WJ NO'S	WID	TENSION	COMPRESSION	THICKNESS	AREA	ACCEPT	REJECT	TRANSDUCER ANGLE	LEG	INDICATION LEVEL	REFERENCE LEVEL	ATTENUATION FACTOR	INDICATION RATING	LENGTH	ANGULAR DISTANCE	DEPTH	DISTANCE	FROM X	DISTANCE	FROM Y
156 R2	10	✓		30.3	RIP AREA	✓		70.4	1/2	68.5	51	4	13.5	5	73.02	24.5	+2			3920
R2	156	34/✓	✓	30.5	RIP AREA	✓		70.4	1/2	70	51	5	14	5	84.45	28.35	0			500
R1	156	34/✓	✓	30.5	RIP AREA		✓	70.4	1/2	63	51	5	+7	10	71.38	30.39	+4			350

Welding Process: FCAW SAW SMAW Weld Joint Type: T-Joint Butt Joint Corner Joint

LEVEL I TECHNICIAN - JOHN LOWENGART	DATE _____
LEVEL I TECHNICIAN - PETER HALE	DATE _____
LEVEL II TECHNICIAN - SCOTT _____	DATE _____
LEVEL II TECHNICIAN - JOHN GREY - <i>[Signature]</i>	DATE _____
LEVEL II TECHNICIAN - Doug Loftness	DATE <u>07-26-04</u>
LEVEL II TECHNICIAN - BILL BELLEVEAU <i>[Signature]</i>	DATE <u>AUG 28 2004</u> <i>[Signature]</i>
C. AMONSON - USI QCM, REVIEW	DATE _____

Universal Structural, Inc.

a subsidiary of

HARDER MECHANICAL CONTRACTORS, INC.

604 S.E. Victory Avenue, Vancouver, WA. 98661

P.O.Box 1030, Vancouver, WA. 98666

Phone: Vancouver (360) 695-1261 * Portland (503) 227-2419

Fax: (360) 696-3590

ER OF TRANSMITTAL

NO: 230

DATE: January 11, 2005

PROJECT: SFOBB Skyway Structure

JOB NO: 23932

ATTENTION: Paul Hegarty /
Rich Bienek

TO: Kiewit / FCI / Manson. JV

220 Burma Road

Oakland, CA

Page 1 of 2

WE ARE SENDING YOU

- | | | | |
|---|---------------------------------------|---------------------------------------|---|
| <input type="checkbox"/> Shop Drawings | <input type="checkbox"/> ATTACHED | <input type="checkbox"/> Prints | <input checked="" type="checkbox"/> NCR Responses (Re-Submit) |
| <input type="checkbox"/> copy of letter | <input type="checkbox"/> Change order | <input type="checkbox"/> Change order | <input type="checkbox"/> Samples |
| | | <input type="checkbox"/> Plans | <input type="checkbox"/> Specifications |

COPIES	ITEM	DESCRIPTION / REMARKS
1 Original	NCR Response	Caltrans State Letter # 5.03.01-004444, KFM NCR 21R1
1 Original	NCR Response	Caltrans State Letter # 5.03.01-004244, KFM NCR 22
1 Original	NCR Response	Caltrans State Letter # 5.03.01-004245, KFM NCR 23
1 Original	NCR Response	Caltrans State Letter # 5.03.01-004246, KFM NCR 24
1 Original	NCR Response	Caltrans State Letter # 5.03.01-004248, KFM NCR 25
1 Original	NCR Response	Caltrans State Letter # 5.03.01-004619, KFM NCR 38
1 Original	NCR Response	Caltrans State Letter # 5.03.01-004827, KFM NCR 44
1 Original	NCR Response	Caltrans State Letter # 5.03.01-4908, KFM NCR 49

THESE ARE TRANSMITTED AS CHECKED BELOW

- For Approval
 For your use
 As Requested
 FOR BIDS DUE _____

REMARKS Mr. Hegarty & Mr. Bienek.

Universal Structural, Inc. (USI) is in receipt of the above mentioned Caltrans State Letter's and the following attachments; with individual cover letters is USI's record of subsequent action taken.

Copy To: _____

Signed: _____

Brad Murphy

If enclosures are not as noted, kindly notify us at once.



P.O. BOX 23223 Oakland, CA 94623
 Phone (510)419-0120 / Fax (510)839-0666

LETTER OF SUBMITTAL
 KFM Skyway Project # 04-012024

Run Date 25-Feb-05
 Time 12:13 PM

Dated: 25-Feb-2005

SUBMITTAL No: WM-SUB-002140

Rev: 02

To: Doug Coe
 Cattrans-Skyway Project
 345 Burma Road
 Oakland CA 94607
 Phone: Fax:

Co/Job # 364-3726
 Contract # 04-012024
 Sub/Supplier: USI
 Sub/Supplier No:

Subject: USI - Documents Clearing USI KFM NCR #24 (USI NCR 04-21) R1

Special Provis. (SP) REF: 08-3.01
 Standard Spec. (SS) REF:

RESUBMITTAL/SUPPLEMENTAL REF:

We are sending the following attached items: Attached

Via Fax

- | | | |
|---------------------------------------|---|---|
| <input type="checkbox"/> Drawing | <input type="checkbox"/> Plans | <input type="checkbox"/> Prog. Pmt |
| <input type="checkbox"/> Samples | <input type="checkbox"/> Certificates of Compliance | <input type="checkbox"/> Calculations |
| <input type="checkbox"/> Payroll | <input type="checkbox"/> Specs | <input type="checkbox"/> copy of Letter |
| <input type="checkbox"/> Change Order | <input type="checkbox"/> Schedule | <input type="checkbox"/> Invoice |

Item	Date	Copies	Description	Drawing No	Rev	Status	Pages
01	23-Feb-05	1	Letter of Transmittal #361		0	Pending	1
02	23-Feb-05	1	USI - Documents Clearing USI KFM NCR #24 (USI NCR 04-21) R1		1	Pending	6

These are transmitted as checked below:

- | | | |
|--|---|--|
| <input checked="" type="checkbox"/> For Approval | <input type="checkbox"/> For Review/comment | <input type="checkbox"/> Return For Correction |
| <input type="checkbox"/> For Your Use | <input type="checkbox"/> As Requested | <input type="checkbox"/> For Information |

Remarks:

CC:

Please review / approve by : 04-Mar-2005

Submitted By: Rich Bienek
 (KFM Staff Member - Originator of Transmittal)

Checked & Sent By: 
 Contract Admin/DCS Staff

Universal Structural, Inc

NONCONFORMANCE REPORT

DATE: March 30, 2004 April 7, 2004 Rev 1	INITIATOR Ralph Seeley	DEPARTMENT: Production	NCRNUMBER: 04-21 Rev 1
JOB NUMBER: 23932	JOB NAME: SFOBB	DRAWING 57	CODE/SPECIFICATION AWS D1.5

Diaphragm pa57 has a stiffener, p155b that is out of flatness by the following amount: From the left end on the far side 6mm measure at the end, 10mm at 500 mm, 25 mm at 1000mm, 46 mm at 1500mm, 50 mm at 2500 mm, **36 mm** at 3000 mm, 20 mm at 3500 mm, 15 mm at 4000 mm, 13 mm at the right end. This stiffener was welded with **FCAW** in the middle were a sub-arc was not able to weld due to the closeness of the pipe attachment. Sub-arc was used on the ends.

QA MANAGER Chris Amonson **DATE:** 3/30/04

RECOMMENDED DISPOSITION:

Areas distorted by welding shall be straightened by application of a limited amount of localized heat with minimal mechanical assistance. The temperature of heated areas shall not exceed **1100** degrees F. (600 degrees C.).

All application of heat to base metal shall be controlled by using Temp Sticks or Thermocouplesto assure that heat does not exceed allowable. Weld joints are to be heated on both sides, parallel to the weld. This line heat will be located approximately 1 to 3 inches from the weld joint on the outside of the surface that is distorted.

QA MANAGER Chris Amonson 	DATE 4/7/04	PROJECT MANAGER Brad Young 	DATE 4/7/04
PLANT MANAGER	DATE	KFM/QA MANAGER	DATE

QC	DATE	CUSTOMER	DATE
----	------	----------	------

QC	DATE	CUSTOMER	DATE
----	------	----------	------

604 SE Victory Ave.
Vancouver, WA 98661
Ph: (360)6951261
Fax (360)6963590

Universal Structural, Inc.

Fax

To: Rich Bienek & Paul Hegarty **From:** Christopher Amonson

Please give a copy to both

Fax:	Pages: 2
Phone:	Date: April 7, 2004
Re:	CC: Brad Young CALTRANS Ralph Seeley

Urgent **For Review** **Please Comment** **Please Reply** **Please Rec**

Revision one to NCR 04-21



UNIVERSAL STRUCTURAL, INC.

October 15, 2004

Kiewit/ FCI/ Manson, JV (KFM)
220 Burma Road
Oakland, CA 94607
Phone: (510) 419-0120
Fax: (510) 839-0666

Attention: Paul Hegarty/ Rich Bienek
Reference: SFOBB Skyway Project
USI #23932 (NCR LTR# 24.101504)
Subject: Response to Caltrans State Letter # 5.03.01-004246

Mr. Hegarty & Mr. Bienek,

Universal Structural, Inc. received Caltrans State Letter # 5.03.01-004246, dated April 21, 2004. Caltrans stated that:

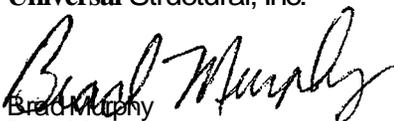
"The State has reviewed KFM-SUB-002140R00: USI NCR 04-21. The request to heat straighten diaphragm pa57 is not approved. Diaphragm pa57 is rejected until KFM/USI can provide additional information which demonstrates the material conforms to the Contract requirements."

Please see the following attachments and take special note of Universal Structural, Inc NONCONFORMANCE REPORT Rev 1 that corrects the stiffener number from p153b to p155b. Also attached is a copy of USI's "nondestructive testing (NDT)" Report.

Please notify Caltrans and request a letter to close this NCR.

If you have any questions or need further clarification, please contact me at your earliest possible convenience.

Sincerely,
Universal Structural, Inc.


Brad Murphy

Sales Manager

cc: Brad Young - USI
file



Category III

HARDER MECHANICAL CONTRACTORS



Universal Structural, Inc.

a subsidiary of

HARDER MECHANICAL CONTRACTORS, INC.

604 S.E. Victory Avenue, Vancouver, WA. 98661

P.O. Box 1030, Vancouver, WA. 98666

Phone: Vancouver (360) 695-1261 • Portland (503) 227-2419

Fax: (360) 696-3590

LETTER OF TRANSMITTAL

NO: 361

DATE: February 23, 2005

PROJECT: SFOBB Skyway Structure

JOB NO.: 23932

ATTENTION: Paul Hegarty / Rich Bienek

TO: KFM

220 Burma Road

Oakland, CA 94607

WE ARE SENDING YOU

- | | | | |
|---|---------------------------------------|---------------------------------------|---|
| <input type="checkbox"/> Shop Drawings | <input type="checkbox"/> ATTACHED | <input type="checkbox"/> Prints | <input checked="" type="checkbox"/> NCR Responses |
| <input type="checkbox"/> copy of letter | <input type="checkbox"/> Change order | <input type="checkbox"/> Change order | <input type="checkbox"/> Samples |
| | | <input type="checkbox"/> Plans | <input type="checkbox"/> Specifications |

COPIES	ITEM	DESCRIPTION/ REMARKS
1 Original	NCR Response	Caltrans State Letter # 5.03.01-006864, KFM NCR 21R1 USI Letter # 21R1.022105
1 Original	NCR Response	Caltrans State Letter # 5.03.01-006872, KFM NCR 22 USI Letter # 22.022105
1 Original	NCR Response	Caltrans State Letter # 5.03.01-006874, KFM NCR 24 USI Letter # 24.022105
1 Original	NCR Response	Caltrans State Letter # 5.03.01-004895, KFM NCR 48 USI Letter # 48.021505
1 Original	NCR Response	Caltrans State Letter # 5.03.01-006745, KFM NCR 84 USI Letter # 84.022105

SKYWAYBAY BRIDGE PROJECT
KIEWIT / HCI / HANSON, A JV
DATE: 2-25-05
ROUTED BY: C/D/DB 364-376
TO: RICH BIENEK
NO: 14-01224
SPECIAL NOTES:
INTERNAL KFM COPIES TO:
EXTERNAL COPIES TO:
SCANNED: Y N FILED TO:

THESE ARE TRANSMITTED AS CHECKED BELOW

- For Approval
 For your use
 As Requested
 FOR BIDS DUE

REMARKS: Mr. Hegarty & Mr. Bienek,
Universal Structural, Inc. (USI) is in receipt of the above mentioned Caltrans State Letter's and the following attachments; with individual cover letters is USI's record of subsequent action taken.

Copy To:

Signed:

Brad Murphy
Brad Murphy

If enclosures are not as noted, kindly notify us at once.



UNIVERSAL STRUCTURAL, INC.

604 S.E. Victory Ave.
Vancouver, WA 98661

P.O. Box 1030
Vancouver, WA 98666

Vancouver (360) 695-1261
Portland (503) 227-2419
FAX (360) 696-3590

February 21, 2005

Kiewit/ FCI/ Manson, JV (KFM)
220 Burma Road
Oakland, CA 94607
Phone: (510) 419-0120
Fax: (510) 839-0666

Attention: Paul Hegarty / Rich Bienek

Reference: SFOBB Skyway Project
USI #23932 (NCR LTR# 24.022105)

Subject: Response to Caltrans State Letter# 5.03.01-006874
KFM NCR # 04-24

Mr. Hegarty & Mr. Bienek,

Universal Structural, Inc. received Caltrans State Letter # 5.03.01-006874, dated February 14, 2005. Caltrans stated that:

"...the subject submittal does not contain sufficient information to resolve the NCR. The Engineer understands heat straightening has already been completed...."

Please see the attached:

- Copy of State Letter - 5.03.1-006874
- Copy of Sketch - Diaphragm pa57, p155b (one heat application)
- Copy of USI's - NCR 04-21
- Copy of USI's - (Internal) NCR No. 14, which corrects the piecemark to p155b
- Copy of USI's - Magnetic Particle Test Report

Since the time of this NCR, USI has continues to work with METS/Caltrans to modify and correct any documenting requirements for this project.

Please notify Caltrans and request a letter to close this NCR.

If you have any questions or need further clarification, please contact me at your earliest possible convenience.

Sincerely,

Universal Structural, Inc.

Brad Murphy
Sales Manager



Category III

Brad Young - USI
file

A Subsidiary of
HARDER MECHANICAL CONTRACTORS



DEPARTMENT OF TRANSPORTATION

SFOBB – Skyway Project
345 Burma Road
Oakland, CA 94607
Facsimile Number: (510) 622-5165



*Flex Your Power
Be Energy Efficient!*

February 14, 2005

KFM, a JV
220 Burma Road
Oakland, CA 94607

Contract: 04-012024
04-SF, A1a-80-13.9/14.3, 0.0/1.6
SFOBB Skyway Project
StafeLetter # 5.03.1-006874

Subject: Response to KFM-SUB-002140R01: USI Documents Clearing USI KFM NCR #24 (USI NCR 04-21)

Dear Mr. Skoro,
Attention: **Mr. Rich Bienek**,

The Engineer has reviewed KFM-SUB-002140R01: USI Documents Clearing USI KFM NCR #24 (USI NCR 04-21). The subject submittal does not contain sufficient information to resolve the NCR. The Engineer understands heat straightening has already been completed on this piece. As such, please include a sketch showing where each application of heat was applied to resolve the NCR or inform the Engineer where this information may be found at **USI**.

Should you have any questions, please contact David Wu at (510) 622-5104 or Patrick Lowry at (858) 344-2712.

Sincerely,

<<< ORIGINAL SIGNED >>>

David Wu
Senior Bridge Engineer

For: Mr. Douglas Coe
Resident Engineer

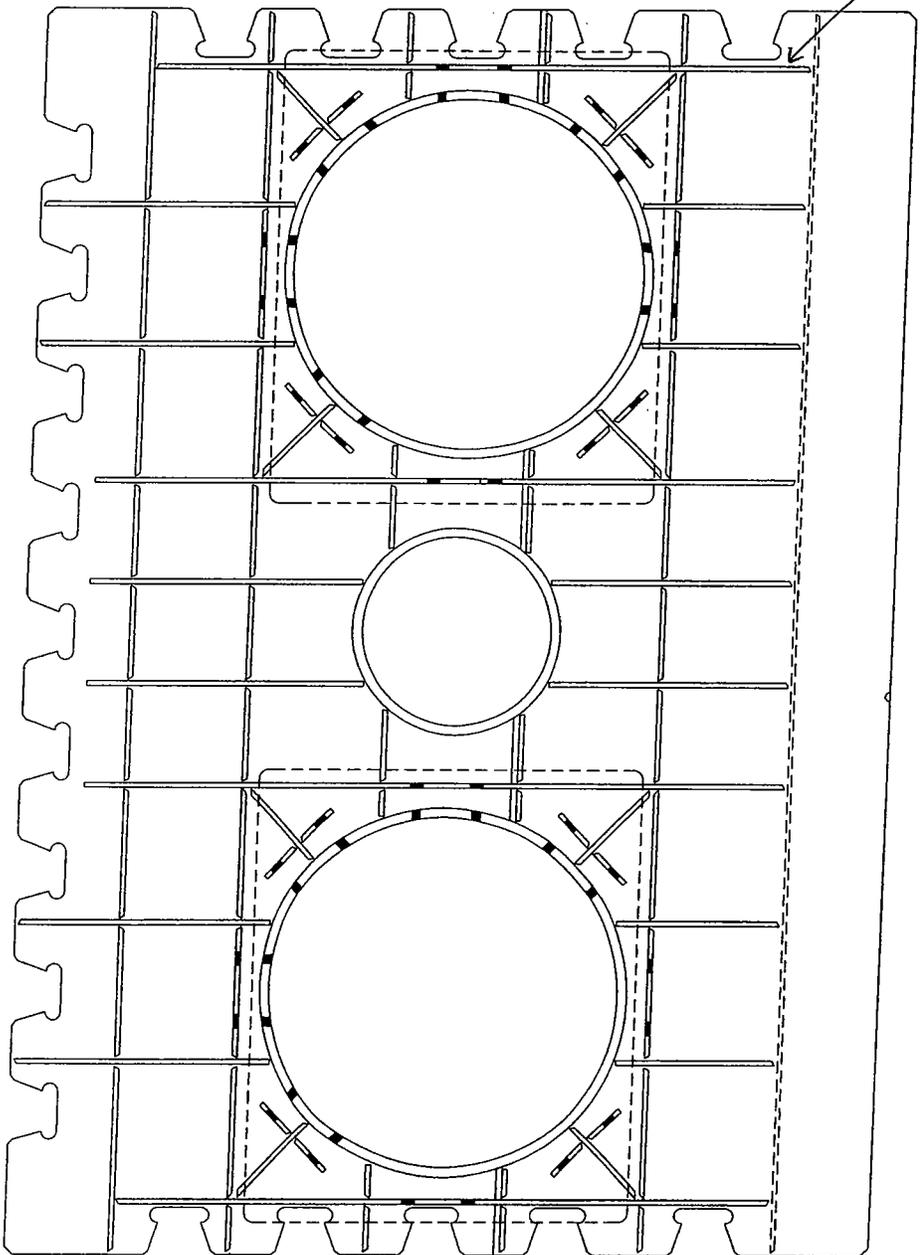
cc: D. Coe, I. Khinsann, V. Iyer, D. Wu, S. Abbas, B. Chew, H. El-Natur, P. Lowry, I. Kwong

file: 5.03.1,9.07.8

* HEAT WAS APPLIED 500mm. down
FROM THE TOP OF STIFFENER PIS5b ALL
THE WAY TO THE BOTTOM OF PIS5b.

ASSY PA57

PIS5b FS.



UNIVERSAL STRUCTURAL NON-CONFORMANCE REPORT

Date: <u>2/26/04</u>
Initiator: <u>George Mason</u>
Job Number: <u>23932</u>
NCR No.: <u>14</u>



Copies to: Step 1 - Plant Manager Superintendent
 Step 2 - QC Manager Department Head General Manager Project Manager

Step 1 - Details of Non-conformance:

P1536 st. Hener @ LE FS. : st. Hener deviates from straight towit; 6mm @ LE
10mm @ 500mm, 25mm @ 1000mm, 46mm @ 1500mm, 50 @ 2.500mm, 36mm @ 3000mm,
20mm @ 3500mm, 15mm @ 4000mm @nd 13mm @ RE of St. Hener.
P155B
DIAPHRAM A57

Responsible Department: _____ Department Supervisor _____

Step 2 - Corrective Action: Engineer approval required: yes no

Signed: _____ Date: _____

Step 3 - Corrective Action to Prevent re-occurrence:

Signed: _____ Date: _____

Step 4 - Corrective Action Approval:

Approved: _____

Not Approved, further corrective action required: _____

DEPARTMENT OF TRANSPORTATION

SFOBB – Skyway Project
345 Burma Road
Oakland, CA 94607
Facsimile Number: (510) 622-5165



*Flex Your Power
Be Energy Efficient!*

February 14, 2005

KFM, a JV
220 Burma Road
Oakland, CA 94607

Contract: 04-012024
04-SF, Ala-80-13.9/14.3, 0.0/1.6
SFOBB Skyway Project
State Letter # 5.03.1-006874

Subject: Response to KFM-SUB-002140R01: USI Documents Clearing USI KFM NCR #24 (USI NCR 04-21)

Dear Mr. Skoro,
Attention: Mr. Rich Bienek,

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Should you have any questions, please contact David Wu at (510) 622-5104 or Patrick Lowry at (858) 344-2712.

Sincerely,

<<< ORIGINAL SIGNED >>>

David Wu
Senior Bridge Engineer

For: Mr. Douglas Coe
Resident Engineer

cc: D. Coe, I. Khinsann, V. Iyer, D. Wu, S. Abbas, B. Chew, H. El-Natur, P. Lowry, I. Kwong

file: 5.03.1, 9.07.8