



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 10:31 AM

Dated: 14-Jan-2005

SUBMITTAL No: WM-SUB-003651

Rev: 00

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 #38 (METS NCR #24)

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	14-Jan-05	1	Letter of Transmittal#230		0	Pending	2
02	14Jan-05	1	USI - Documents ClearingUSI KFM NCR #38 (METS NCR #24)		0	Pending	3

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:

*Spunk*

Contract Admin/DCS Staff

BLPH  
6/2/04

DEPARTMENT OF TRANSPORTATION

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



Flex Your Power  
Be Energy Efficient!

May 28, 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 # 5.03.1-004619

*Subject: USI NCR No. 24: Use of Shims on First Side of Welding of the Butt Splice on Wing Diaphragm pa22*

Dear Mr. Skoro,  
Attention: Paul Hegarty,

This Non-Conformance **Report** (NCR) is issued by the State to KFM as a result of your subcontractor, **USI**, for the following reason:

1. On 05/25/04, **QA** inspector, **Mark** Miller, observed **USI** using **2x4** wood pieces for shims on the first side of **welding** of the butt splice on wing diaphragm pa22 (weld joint #2). However, Note 3 of the "Typical Butt Splice Procedure" (**KFM-SUB-000391R08, page 69 of 109**) states, "Support **weld** in the flat position". The use of shims is only specified for welding on the second side.

This NCR **will** be tracked as USI NCR No. **24**. USI was verbally notified of this NCR by Caltrans' METS on 05/25/04. Please review and address how you plan to resolve this NCR and bring your **work** back into compliance with our contract.

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

Sincerely,

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

# Universal Structural, Inc.

a subsidiary of

**HARDER MECHANICAL CONTRACTORS, MC.**

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

<b>NO:</b> 230
<b>DATE:</b> January 11, 2005
<b>PROJECT:</b> SFOBB Skyway Structure
<b>JOB NO.:</b> 23932
<b>ATTENTION:</b> Paul Hegarty/ Rich Bienek

**TO:** Kiewit / FCI / Manson, JV

220 Burma Road  
Oakland, CA

Page 1 of 2

WE ARE SENDING YOU

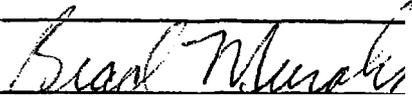
- |   |                                       |                                       |   |
|---|---------------------------------------|---------------------------------------|---|
| <input type="checkbox"/> Shop Drawings  | <input type="checkbox"/> ATTACHED     | <input type="checkbox"/> Prints       | <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

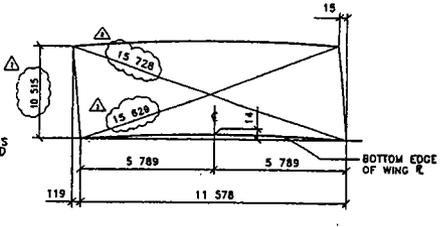
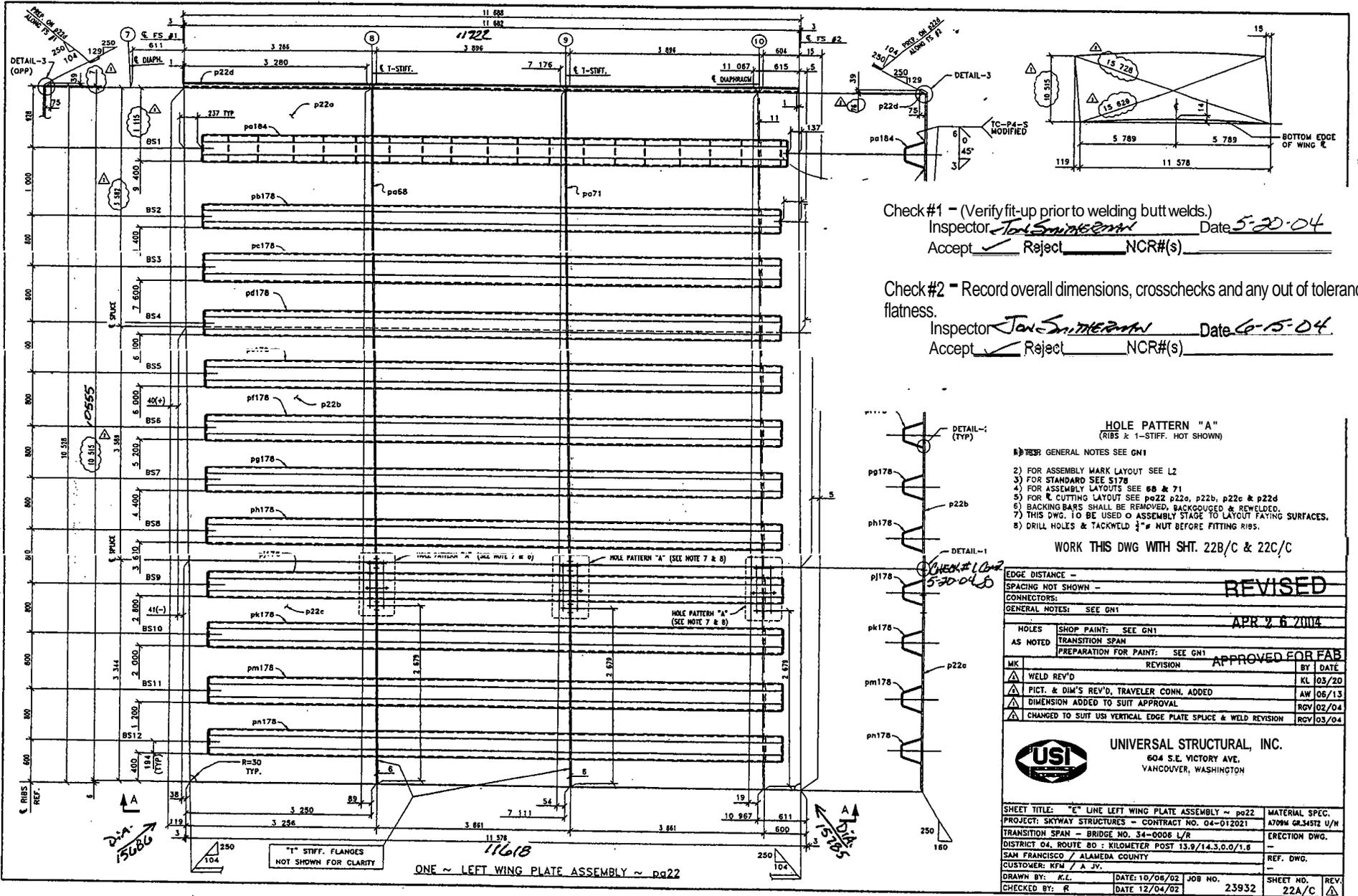
- |                                       |                                       |                                       |                                       |
|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| <input type="checkbox"/> For Approval | <input type="checkbox"/> For your use | <input type="checkbox"/> As Requested | <input type="checkbox"/> FOR BIDS DUE |
|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|

Copy To: \_\_\_\_\_

Signed:   
Brad Murphy

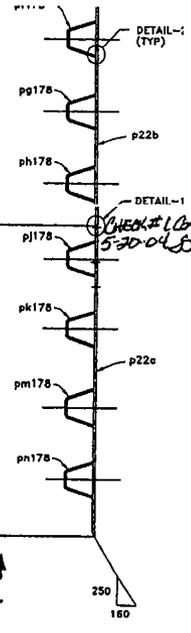
If enclosures are not as noted, kindly notify us at once.

E:\USERS\ROBERTO GATEKEEPER\BAY BRIDGE SKYWAY\1' LINK\REVISED\ASSY\_2A\10022A\_2.DWG 3-31-04 11:27:06 AM EST



Check #1 - (Verify fit-up prior to welding butt welds.)  
 Inspector Jon Smitternan Date 5-20-04  
 Accept  Reject  NCR#(s) \_\_\_\_\_

Check #2 - Record overall dimensions, crosschecks and any out of tolerance flatness.  
 Inspector Jon Smitternan Date 6-5-04  
 Accept  Reject  NCR#(s) \_\_\_\_\_



- HOLE PATTERN "A"**  
 (RIBS & 1-STIFF. NOT SHOWN)
- GENERAL NOTES: SEE GN1
- 2) FOR ASSEMBLY MARK LAYOUT SEE L2
  - 3) FOR STANDARD SEE S178
  - 4) FOR ASSEMBLY LAYOUTS SEE 68 & 71
  - 5) FOR CUTTING LAYOUT SEE p22a, p22b, p22c & p22d
  - 6) BACKING BARS SHALL BE REMOVED, BACKGROUGED & REWELDED.
  - 7) THIS DWG. TO BE USED O ASSEMBLY STAGE TO LAYOUT FATIG SURFACES.
  - 8) DRILL HOLES & TACKWELD 1/2" NUT BEFORE FITTING RIBS.

WORK THIS DWG WITH SHT. 22B/C & 22C/C

EDGE DISTANCE -	
SPACING NOT SHOWN -	
CONNECTORS:	
GENERAL NOTES: SEE GN1	
HOLES	SHOP PAINT: SEE GN1
AS NOTED	TRANSITION SPAN
	PREPARATION FOR PAINT: SEE GN1
MK	REVISION
WELD REV'D	BY DATE
PICT. & DIM'S REV'D, TRAVELER CONN. ADDED	KL 03/20
DIMENSION ADDED TO SUIT APPROVAL	AW 06/13
CHANGED TO SUIT VERTICAL EDGE PLATE SPLICE & WELD REVISION	RGV 02/04
	RCV 03/04

**USI** UNIVERSAL STRUCTURAL, INC.  
 604 S.E. VICTORY AVE.  
 VANCOUVER, WASHINGTON

SHEET TITLE: "E" LINE LEFT WING PLATE ASSEMBLY ~ p22	MATERIAL SPEC. A709M GR.34512 U/M
PROJECT: SKYWAY STRUCTURES - CONTRACT NO. 04-012021	ERECTION DWG. -
TRANSITION SPAN - BRIDGE NO. 34-0006 L/R	REF. DWG. -
DISTRICT 04, ROUTE 80 : KILOMETER POST 13.9/14.3, 0.0/1.8	
SAN FRANCISCO / ALAMEDA COUNTY	
CUSTOMER: RFM / A JV.	
DRAWN BY: K.L.	DATE: 10/06/02
CHECKED BY: R	DATE: 12/04/02
JOB NO. 23932	SHEET NO. 22A/C

"1" STIFF. FLANGES NOT SHOWN FOR CLARITY  
 ONE ~ LEFT WING PLATE ASSEMBLY ~ p22





# UNIVERSAL STRUCTURAL, INC.

August 19, 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# 38.081904)

Subject: Response to Caltrans State Letter # 5.03.01-004619, DTD 05/28/2004

Mr. Hegarty & Mr. Bienek,

Universal Structural, Inc. received Caltrans State Letter # 5.03.01-004619, dated May 28, 2004. Caltrans stated that

*"On 05/25/04, QA inspector, Mark Miller, observed USI using 2x4 wood pieces for shims on the first side of welding of the butt splice on wing diaphragm pa22 (weld joint #2). However, Note 3 of the 'Typical Butt Splice Procedure' (KFM-SUB-00391R08, page 69 of 109) states, 'Support weld in the flat position'. The use of shims is only specified for welding on the second side."*

In this particular case, swing shift used shim material *improperly* to lay out the Butt Splice for piece **pa22**. The incident was observed by our day shift Bay Foreman and the use of shim materials were removed before welding commenced. All QC functions were completed in proper fabrication sequence. **USI** made the necessary corrective adjustments and corrected the use of shim material in "Typical Butt Splice Procedure", page 69 of 109; Rev. 10 of USI's Fabrication Procedure. 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 Young, bjm  
Estimator/Project Manager



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 11, 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 # 5.03.1-006860*

*Subject: Response to KFM-SUB-003651R00: USI Documents Clearing USI KFM NCR #38 (METS NCR #24)*

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

The Engineer has reviewed KFM-SUB-003651R00: USI Documents Clearing USI KFM NCR #38 (METS NCR #24). The Engineer agrees the Contractor has sufficiently addressed this NCR. As a result, USI NCR No. 24 is resolved.

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