



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 26-Jan-06
Time #Name?

Dated: 26-Jan-2006

SUBMITTAL No: KFM-SUB-006036

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: KIE
Sub/Supplier No:

Subject: Kie-Con NCR for fender module FP-1-30

Special Provis. (SP) REF: 10-1.29
Standard Spec. (SS) REF:

RESUBMITTAL/SUPPLEMENTAL REF:

We are sending the following attached items: Attached Via Fax

- Drawing
- Plans
- Prog. Pmt
- Samples
- Certificates of Compliance
- Calculations
- Payroll
- Specs
- Copy of Letter
- Change Order
- Schedule
- Invoice

Item	Date	Copies	Description	Drawing No	Rev	Status	Pages
01	26-Jan-06	1	KIE-Con NCR-302-001		0	Pending	8

These are transmitted as checked below:

- For Approval
- For Review/comment
- Return For Correction
- For Your Use
- As Requested
- For Information

Remarks:

The attached Kie-Con NCR contains four repair options. Please review and approve any applicable options.

CC:

Please review / approve by : 09-Feb-2006

Submitted By: Norman Gilbert
(KFM Staff Member – Originator of Transmittal)

Checked & Sent By:
Contract Admin/DCS Staff

KIE - CON

A DIVISION OF KIEWIT PACIFIC CO

Contractor License #433176
An Equal Opportunity Employer

NCR-302-001 FIX PROPOSAL

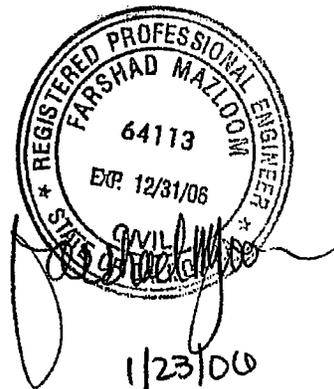
Option 1: The U-Bar will be bent (upward or downward and back) 180 degrees without cutting the rebar. This way the bar is still developed per plans and specification. Any damaged epoxy shall be patched.

Option 2: The U-Bar will be cut in the middle of existing radius. Each Individual bar will be bent 90 degrees to create a hook at the end of them. Any damaged epoxy shall be patched.

Option 3: The U-Bar will be cut in a specified location provided by KFM due to the job site conditions. It will be then spliced with a new fabricated U-Bar using a mechanical splice. The mechanical splice shall be epoxy coated or it shall be shrink wrapped per project specifications.

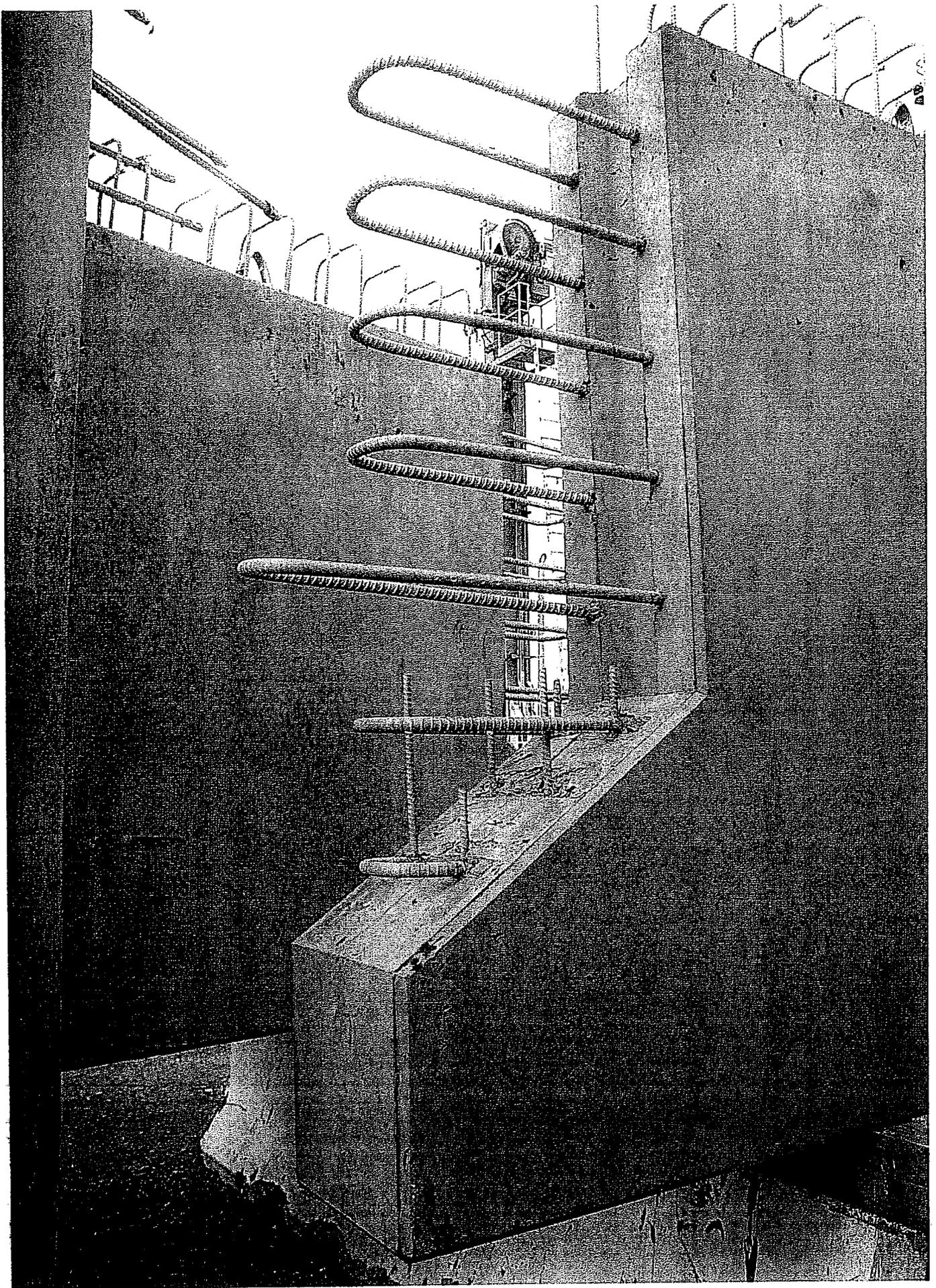
Option 4: The U-Bar will be cut in a specified location by KFM due to the job site conditions. It will be then spliced with the matching #25 dowel coming out of the pier using a mechanical splice. The mechanical splice shall be epoxy coated or it shall be shrink wrapped per project specifications.

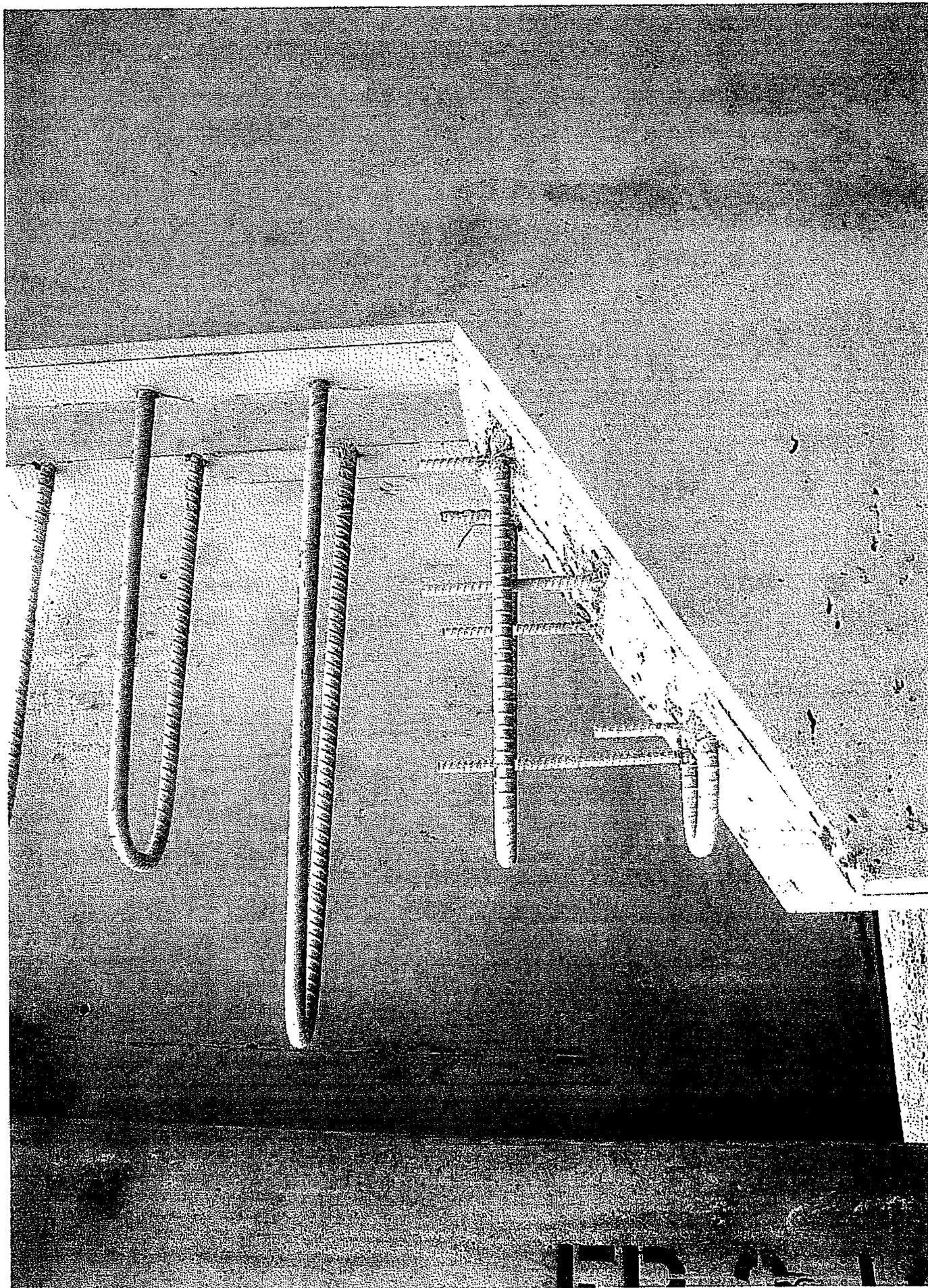
The approved fix will be done by KIE-CON at NO charge to KFM.



Improving Life by Building with Precast Concrete
3551 Wilbur Avenue, Antioch, CA 94509
Ph: (925)754-9494 Fax: (925) 754-7673

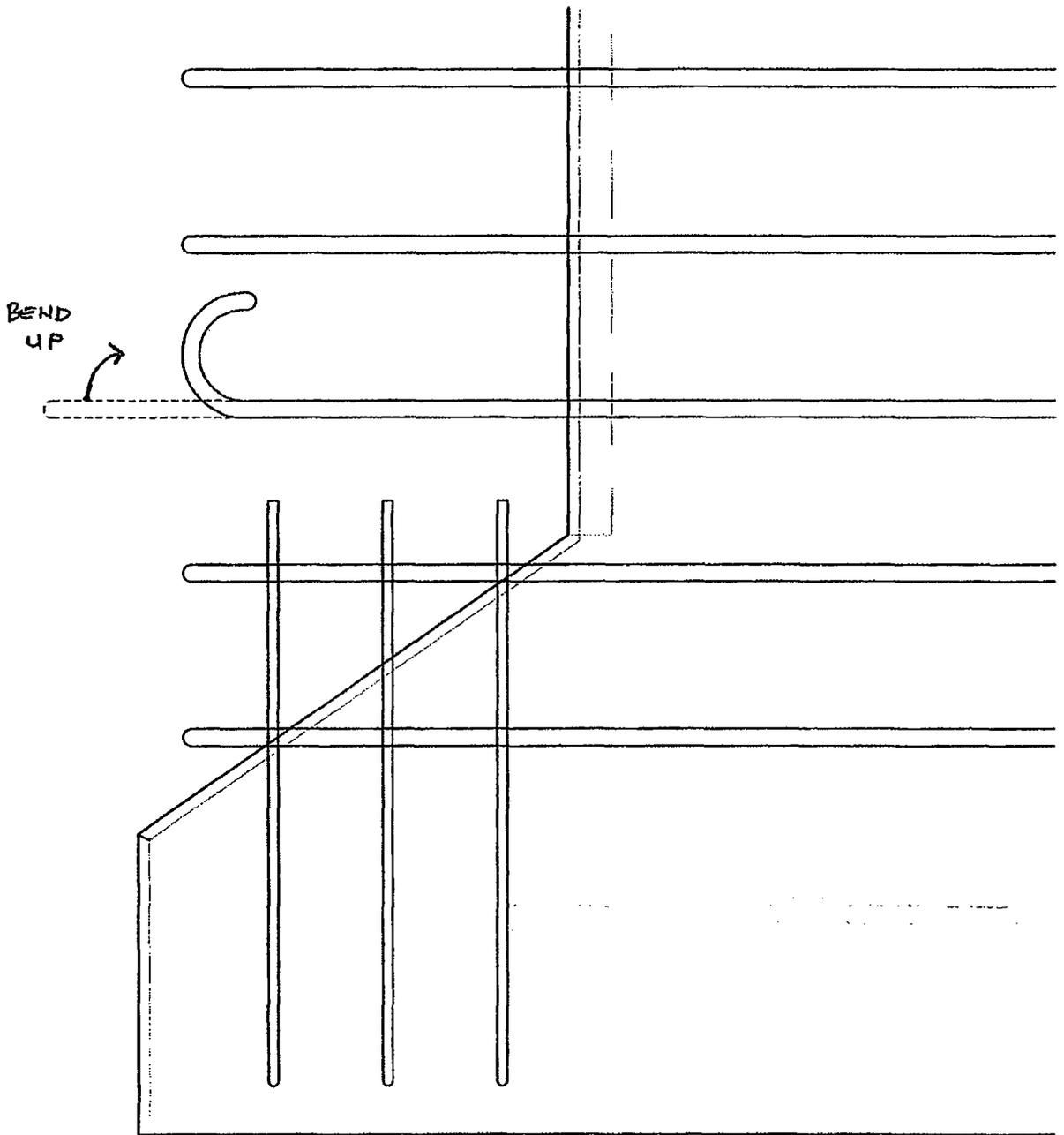






OPTION 1

N.T.S



OPTION 2

N.T.S.

BEND UP

CIP
LBAR

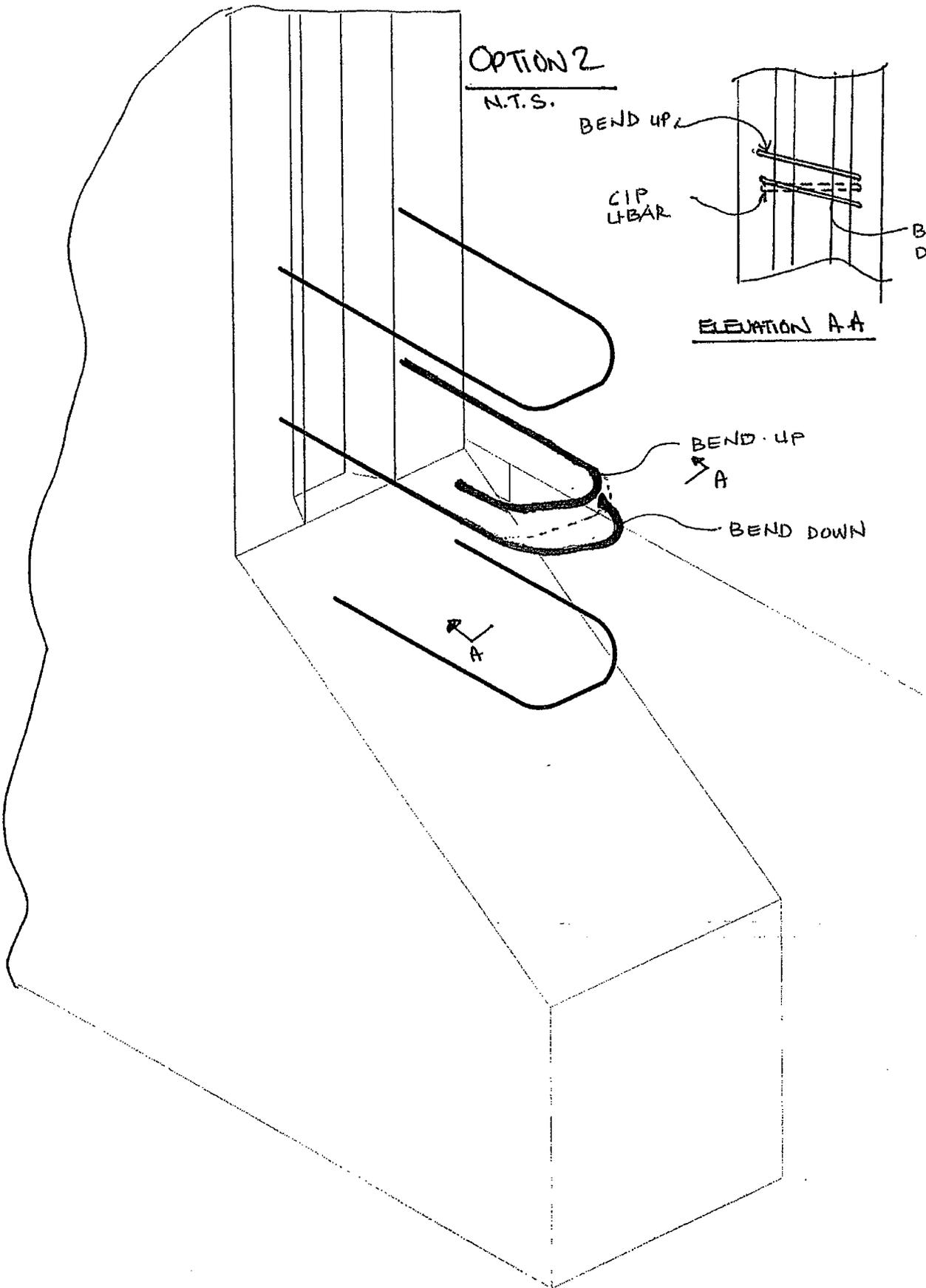
BEND
DOWN

ELEVATION A-A

BEND UP
A

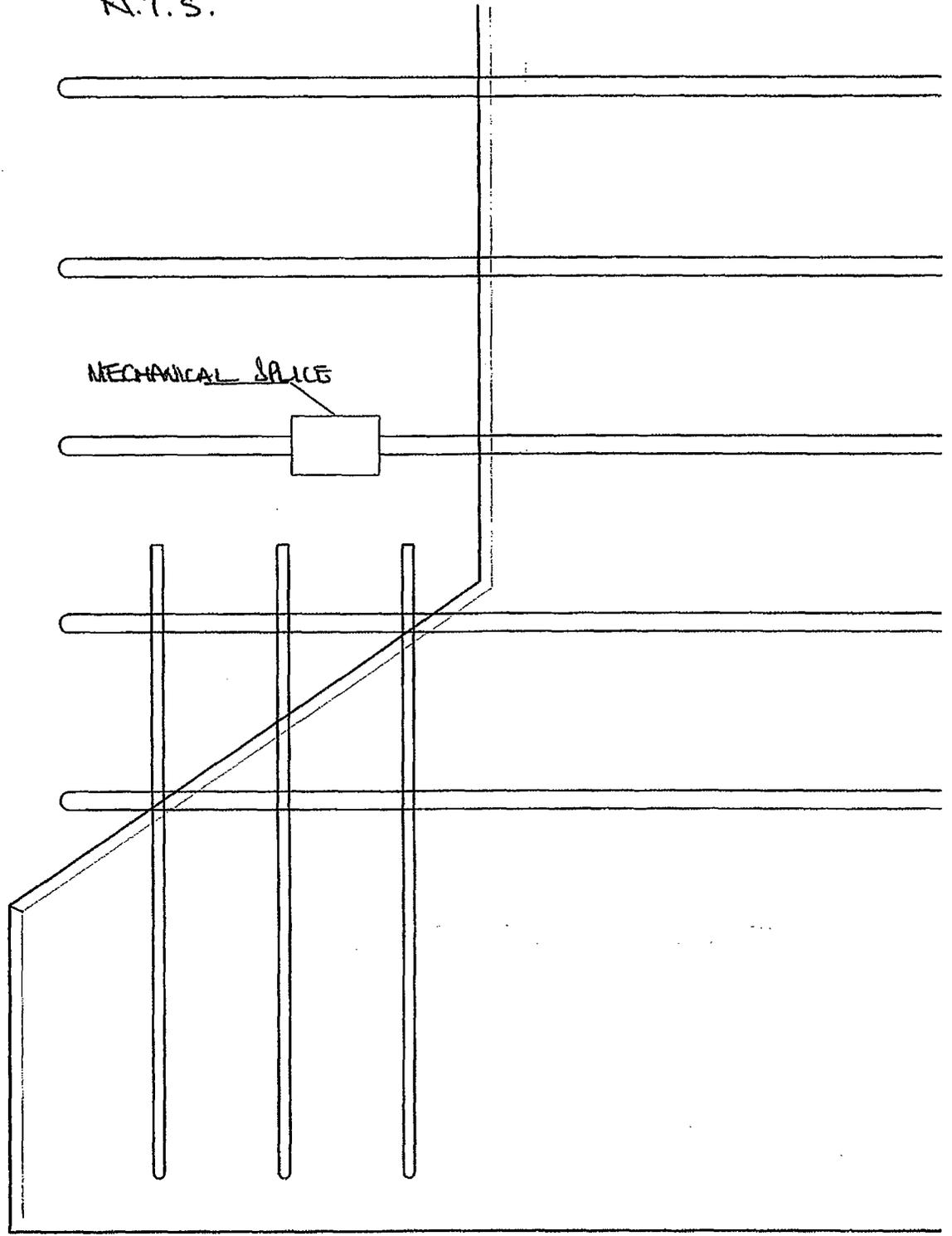
BEND DOWN

A

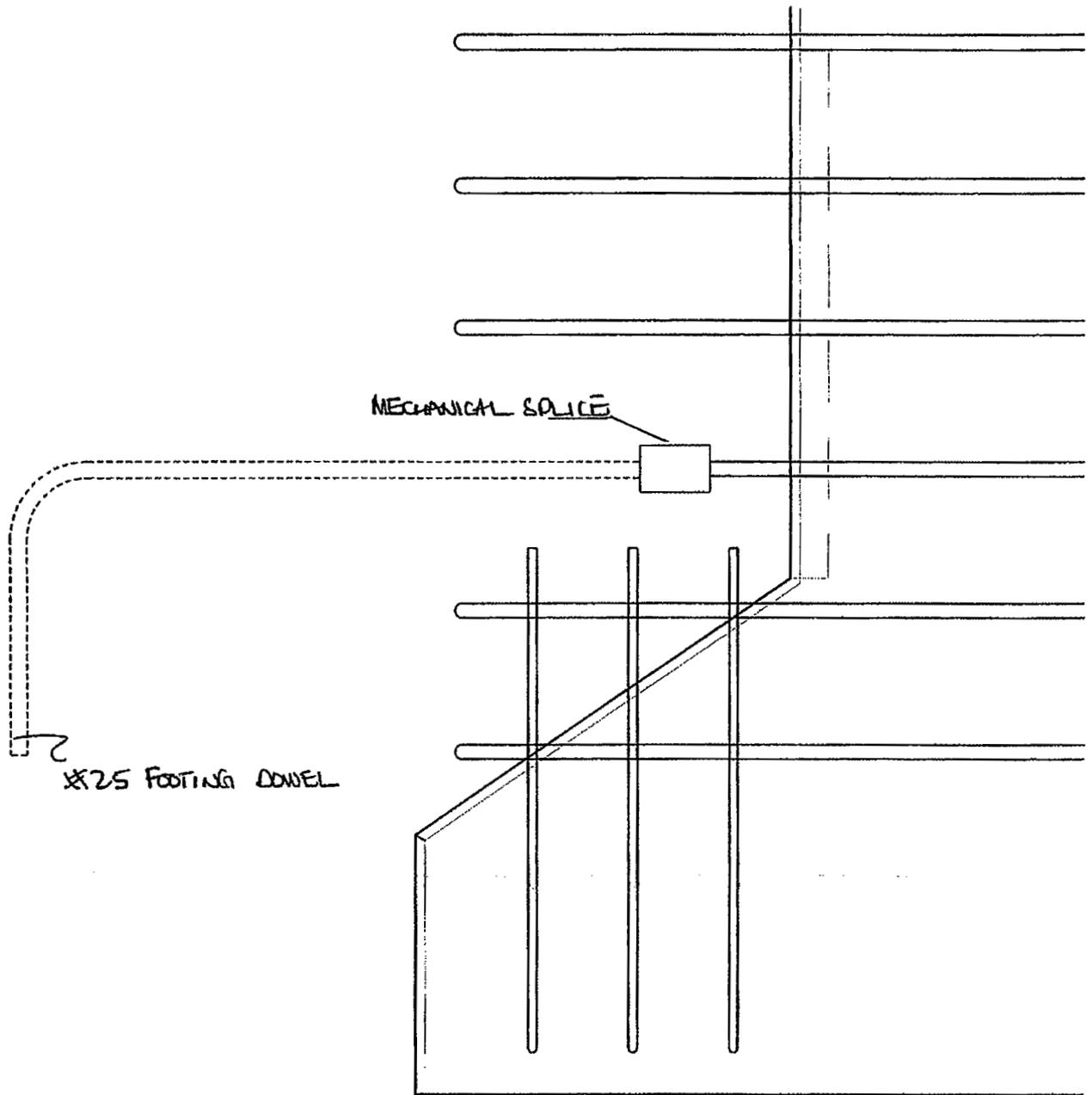


OPTION 3

N.T.S.



OPTION 4
N.T.S.



101

Memorandum

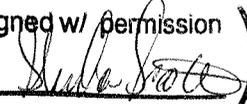
*Flex your power!
Be energy efficient!*

To: DOUGCOE Resident
Engineer SFOBB
Skyway Office
345 Burma Road
Oakland, California 94607

Date: February 23, 2006

File: 04-012024 SFOBB
East Span Skyway
File 1.5, 1.40

From: **KEITH HOFFMAN**Mit--
Branch Senior
Bay Area Branch
Office of Structural Materials
Materials Engineering and Testing Services
Divisions of Engineering Services

(Signed w/ permission
by )

Subject: KFM SUB# 6036 Kie-Con NCR-302-001 for Fender Module FP-1-30

The Office of Structural Materials has reviewed KFM SUB# 6036 regarding Kie-Con NCR-302-001 for Fender Module FP-1-30. Our comments and recommendations to the subject submittal are presented in the attached report.

If you have any questions, or would like to discuss the issue, please call the Structural Materials Representative Venkatesh Iyer at (858) 967-6363.

Attachments
CAL0105

RECEIVED
050 187 MAR 15

February 23, 2006

PROJECT INFORMATION

04-012024
SFOBB - Skyway

SUBJECT

KFM-SUB#6036 Kie-Con NCR-302-001 for Fender Module FP-1-30

DISCUSSION

Our office has received and reviewed the subject submittal and has compiled the following comments.

COMMENTS

KFM-SUB#6036 Kie-Con NCR-302-001 for Fender Module FP-1-30

KFM's subcontractor Kie-Con has submitted several alternative proposals for their internal NCR-302-001. One of the rebar "MK25PT01" has moved out approximately 9-1/2" toward Fender's Nose during form closure or concrete pour without being noticed. They have submitted four different alternatives to rectify the problem and bring the member in compliance. The approved fix would be done by Kie-Con at no charge to KFM or Caltrans.

OSM has reviewed all the four alternatives and has the following comments.

Based on potential constructability issues at the job site, either option 3 or 4 seems the best suited option for the rebar shortening. However, in regard to loss of reinforcement, associated with this rebar movement within the Fender and its consequences relating to the capacity of the fender, OSM defers to the Design.

 (Signed w/ permission
by Stan)

Venkatesh S. Iyer, Ph.D., P.E.
Structural Materials Representative
Division of Engineering Services
Materials, Engineering and Testing Services
Office of Structural Materials