

Reconstruct Expansion Joints (Contract No. C-64123)

The as-built drawings, which are contained in these CDs, are scanned from drawings of the existing structure for the convenience of the contractor and as a means to convey to the contractor the available information regarding the existing structure. It is to be understood that no claim is being made as to the accuracy or completeness of the said information and that the State of California or its officers or agents shall not be responsible for the manner in which the contractor interprets and uses this information or for the accuracy, currency or completeness of these scanned as-built drawings. The contractor shall be responsible to obtain, at the contractor's expense, any additional information that the contractor deems necessary for completely and accurately assessing the existing conditions of the structure. The contractor shall not be entitled to any compensation for any claim arising from inaccuracy or insufficiency of these as-built drawings or in anyway related to these drawings.

[1. Project Plan and Elevation](#)

[2. Layout and Details-Pier W1](#)

[3. Layout and Details-Piers W2, W3, W5 and W6](#)

[4. Layout and Details-Pier W-4 East and West](#)

[5. Layout and Details-Y.B. Anchorage](#)

[6. Layout and Details-Pier YB3](#)

[7. Layout and Details-Pier E4](#)

[8. Layout and Details-Pier E11](#)

[9. Layout and Details-Pier W1 West](#)

[10. Layout and Details-Pier W1 East, W4, Y.B.A.](#)

[11. Layout and Details-Piers W2, W3, W5, W6](#)

[12. Layout and Details-Pier YB3](#)

[13. Layout and Details-Pier E4](#)

[14. Layout and Details-Pier E11](#)

[15. Walkway Details-Pier W1](#)

[16. Ladder and Guardrail Details-Pier W1](#)

[17. Walkway Details- Piers W2, W3, W5, W6](#)

[18. Walkway Details-Pier W4](#)

[19. Walkway Details-Y.B. Anchorage](#)

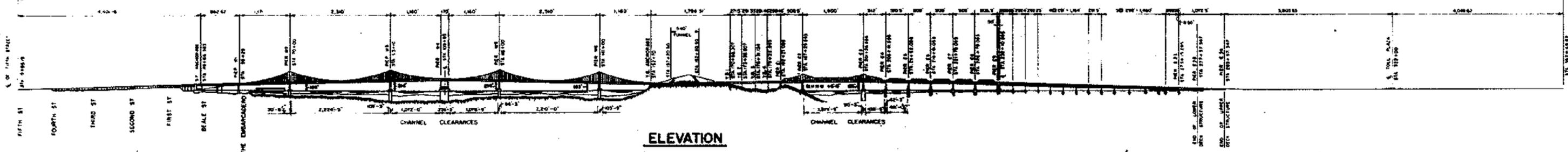
[20. Walkway Details-Pier YB3](#)

[21. Walkway Details-Pier E4](#)

[22. Walkway Details-Pier E11](#)

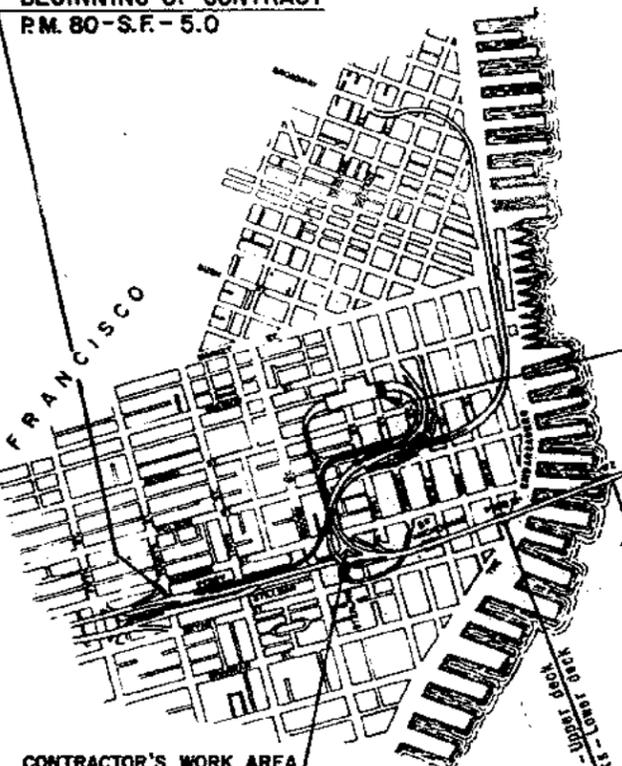
[23. Walkway and Ladder Removal](#)

TOTAL LENGTH = 35,884.43' OR 6.75 MILES

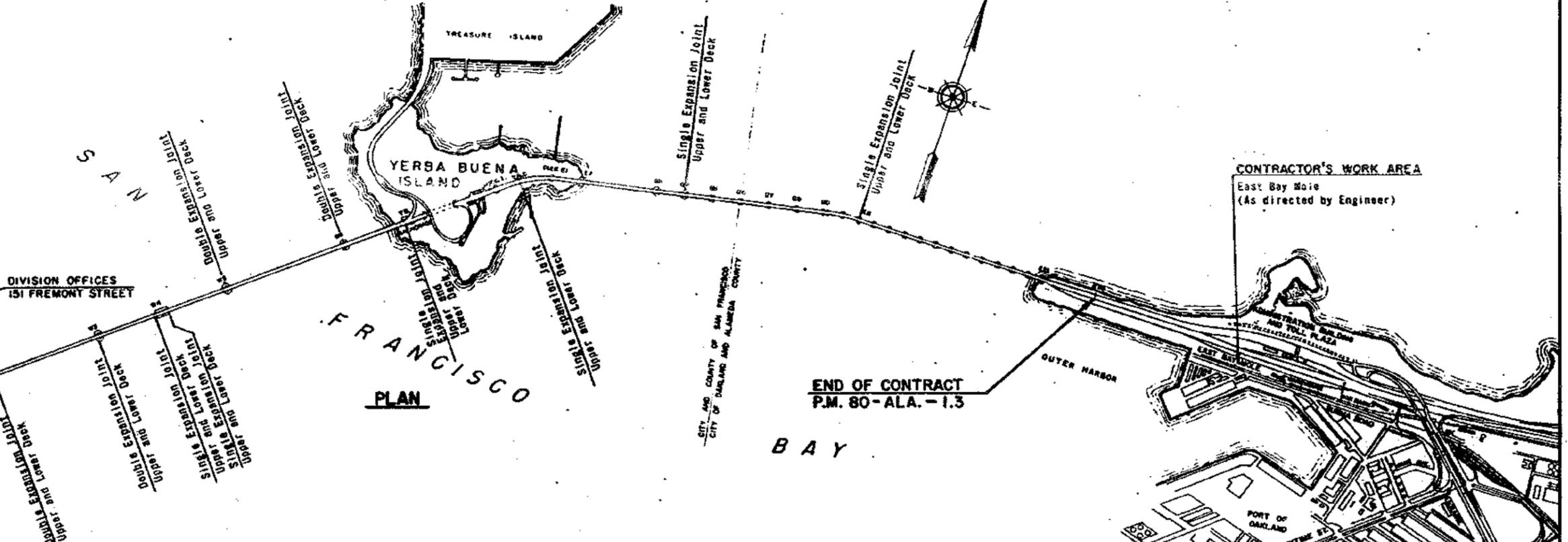


ELEVATION

BEGINNING OF CONTRACT
R.M. 80-S.F.-5.0



CONTRACTOR'S WORK AREA
Adjacent to Sterling Street Substation
(As directed by Engineer)



CONTRACTOR'S WORK AREA
East Bay Mole
(As directed by Engineer)

END OF CONTRACT
P.M. 80-ALA.-1.3

PLAN

INDEX TO PLANS

SHEET NUMBER	TITLE	SHEET NUMBER	TITLE	SHEET NUMBER	TITLE
1.	PROJECT PLAN AND ELEVATION	9.	LAYOUT AND DETAILS - PIER W1 WEST	15.	WALKWAY DETAILS - PIER W1
2.	LAYOUT AND DETAILS - PIER W1	10.	LAYOUT AND DETAILS - PIERS W1 EAST, W4, Y.B. ANCHORAGE	16.	LADDER AND CHAMBRAIL DETAILS - PIER W1
3.	LAYOUT AND DETAILS - PIERS W2, W3, W5 AND W6	11.	LAYOUT AND DETAILS - PIERS W2, W3, W5, W6	17.	WALKWAY DETAILS - PIERS W2, W3, W5, W6
4.	LAYOUT AND DETAILS - PIERS W4 EAST AND WEST	12.	LAYOUT AND DETAILS - PIER YB3	18.	WALKWAY DETAILS - PIER W4
5.	LAYOUT AND DETAILS - Y. B. ANCHORAGE	13.	LAYOUT AND DETAILS - PIER E4	19.	WALKWAY DETAILS - Y.B. ANCHORAGE
6.	LAYOUT AND DETAILS - PIER YB3	14.	LAYOUT AND DETAILS - PIER E11	20.	WALKWAY DETAILS - PIER YB3
7.	LAYOUT AND DETAILS - PIER E4			21.	WALKWAY DETAILS - PIER E4
8.	LAYOUT AND DETAILS - PIER E11			22.	WALKWAY DETAILS - PIER E11
				23.	WALKWAY AND LADDER REMOVAL

AS BUILT PLANS
Contract No. 04-64123
Date Completed _____
Document No. _____

7-75 As built without revision. cfc FAR

STATE OF CALIFORNIA -- BUSINESS AND TRANSPORTATION AGENCY -- DEPARTMENT OF PUBLIC WORKS -- DIVISION OF BAY TOLL CROSSINGS			
DESIGNED BY: <i>W. B. Smith</i>	CHECKED BY: _____	APPROVED: <i>Charles Seim</i> DEPARTMENT ENGINEER IN CHARGE	
PROPOSED BY: <i>W. B. Smith</i>	DATE: _____		
ESTIMATED BY: <i>W. B. Smith</i>	DATE: _____	APPROVED: <i>E. R. Foley</i> DEPARTMENT ENGINEER IN CHARGE	
DATE: _____		DATE: _____	

APPROVED DECEMBER 27, 1971

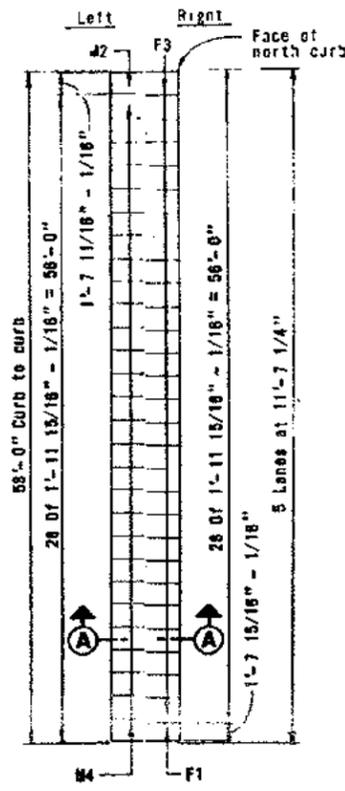
**SAN FRANCISCO-OAKLAND BAY BRIDGE
RECONSTRUCT EXPANSION JOINTS**

PROJECT PLAN AND ELEVATION

SCALE: 1" = 1000'

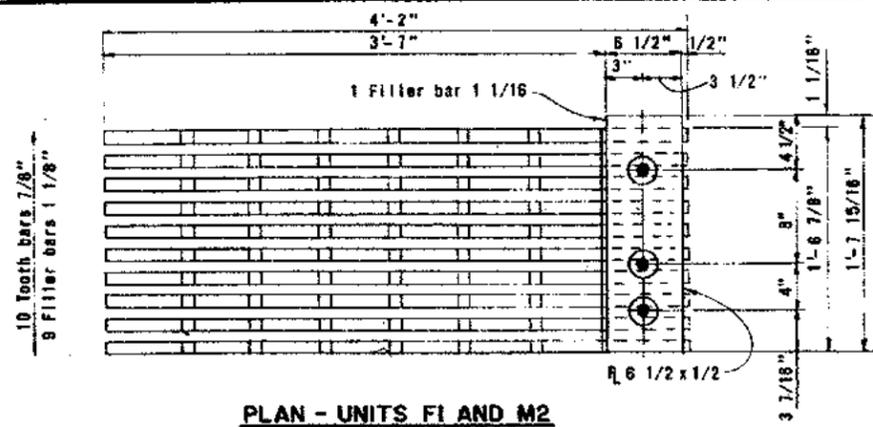
SHEET NO. 1

DRAWING NO. C-64123-1 R

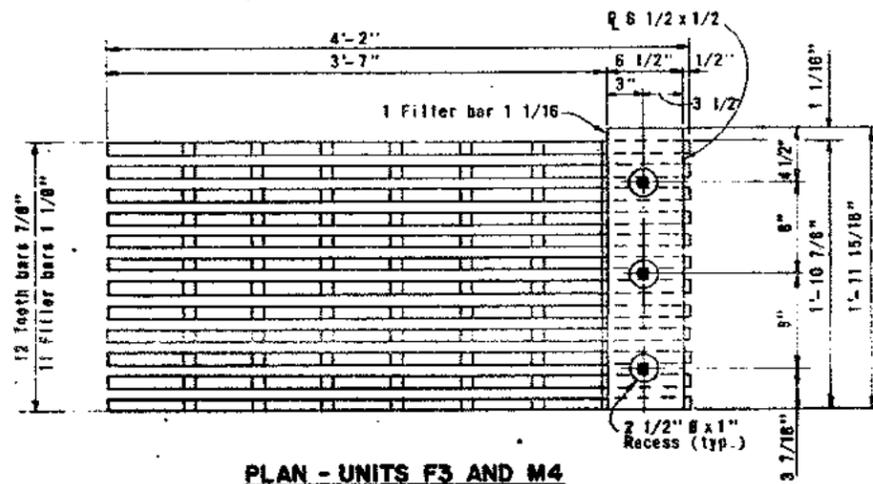


GRATING LAYOUT

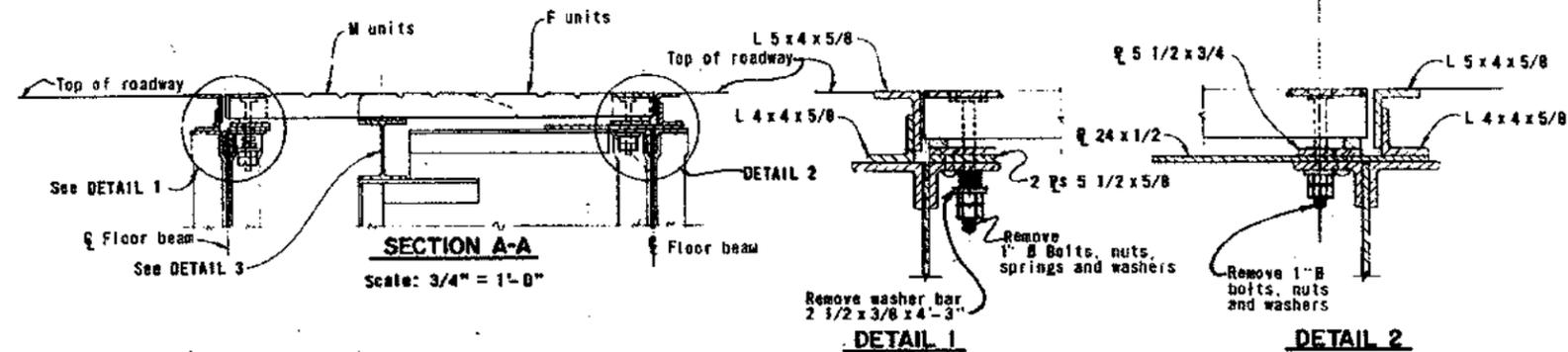
No scale



PLAN - UNITS F1 AND M2



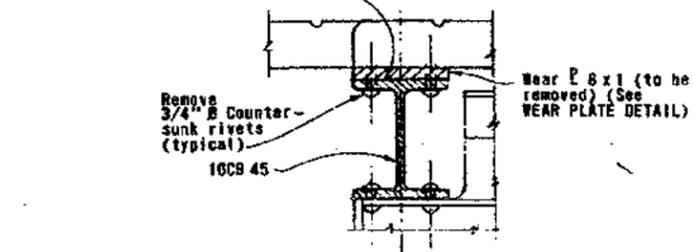
PLAN - UNITS F3 AND M4



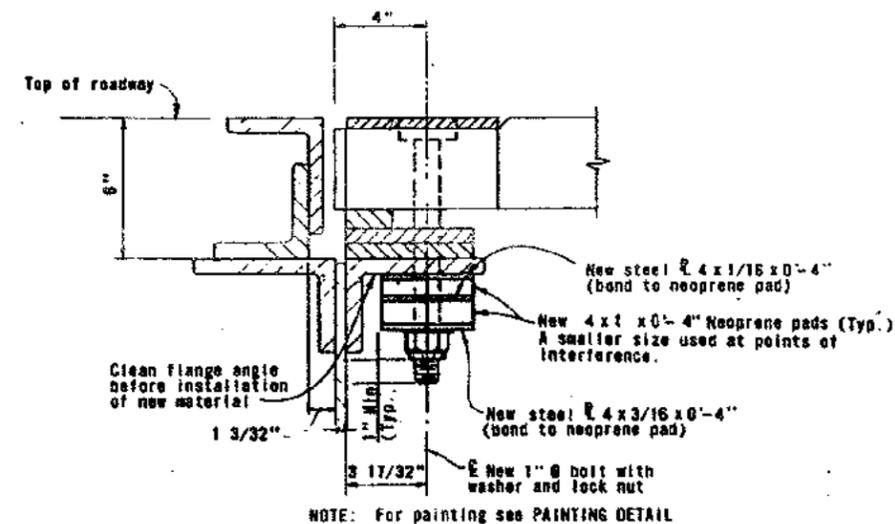
SECTION A-A

Scale: 3/4" = 1'-0"

Sandblast and paint top of beam flange after removal of wear plate.

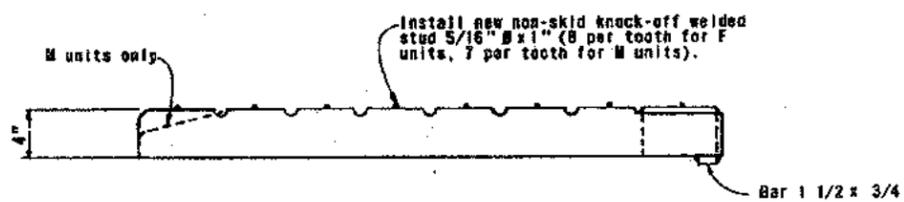


DETAIL 3

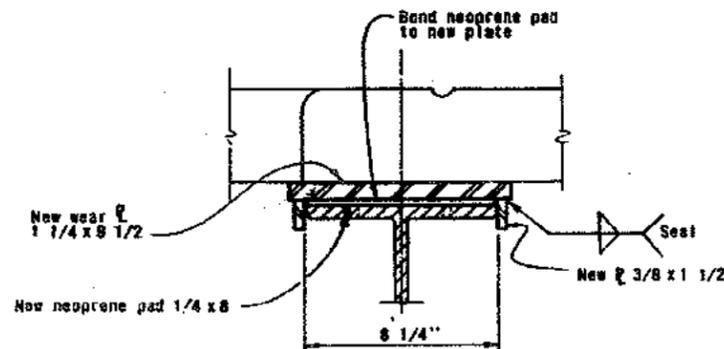


REVISION TO DETAILS 1 & 2

Scale: 3" = 1'-0"



ELEVATION - UNITS F1, F3, M2 AND M4

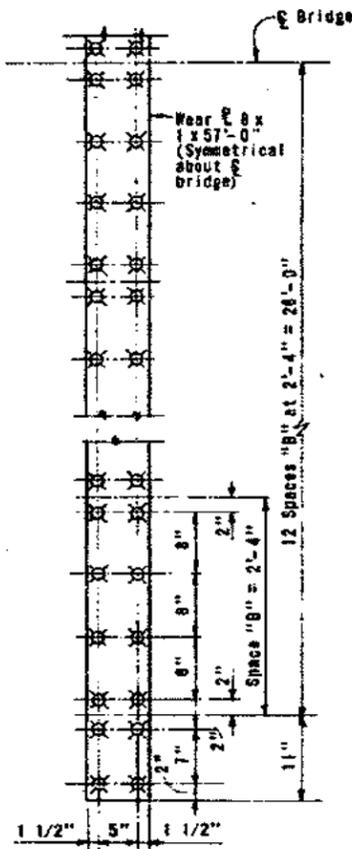


REVISION TO DETAIL 3

Scale: 3" = 1'-0"

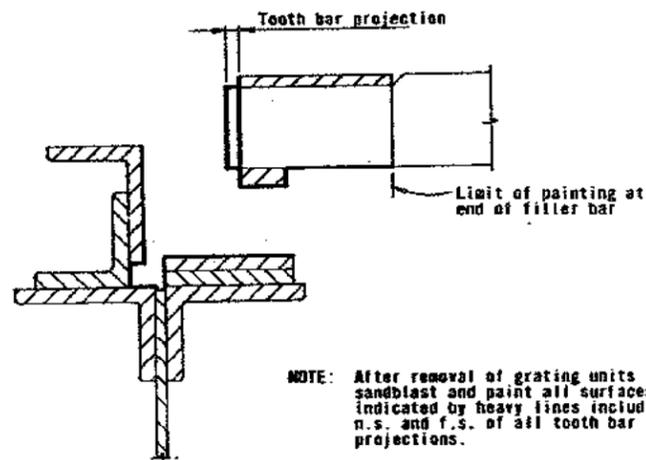
GENERAL NOTES

1. F indicates fixed grating units and M indicates movable grating units.
2. PLAN, ELEVATION or DETAILS show existing conditions except as noted on the view by the word "new".
3. REVISION TO DETAILS shows required modifications to existing details.
4. Grating units and wear plates shall be removed and replaced in sections of approximately one lane width or half lane width.
5. Section of new wear plate shall be ready for installation before removal of existing grating units.



WEAR PLATE DETAIL

No Scale



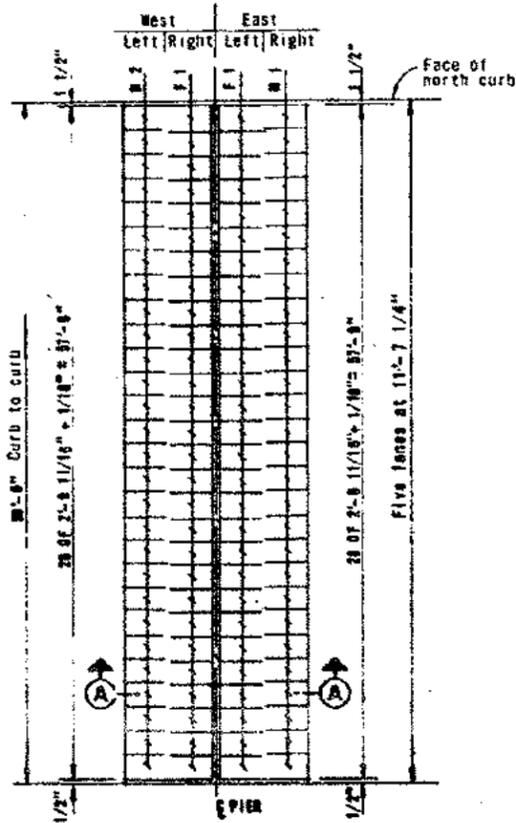
PAINTING DETAIL

Scale: 3" = 1'-0"

AS BUILT PLANS
Contract No. 04-64123
Date Completed _____
Document No. _____

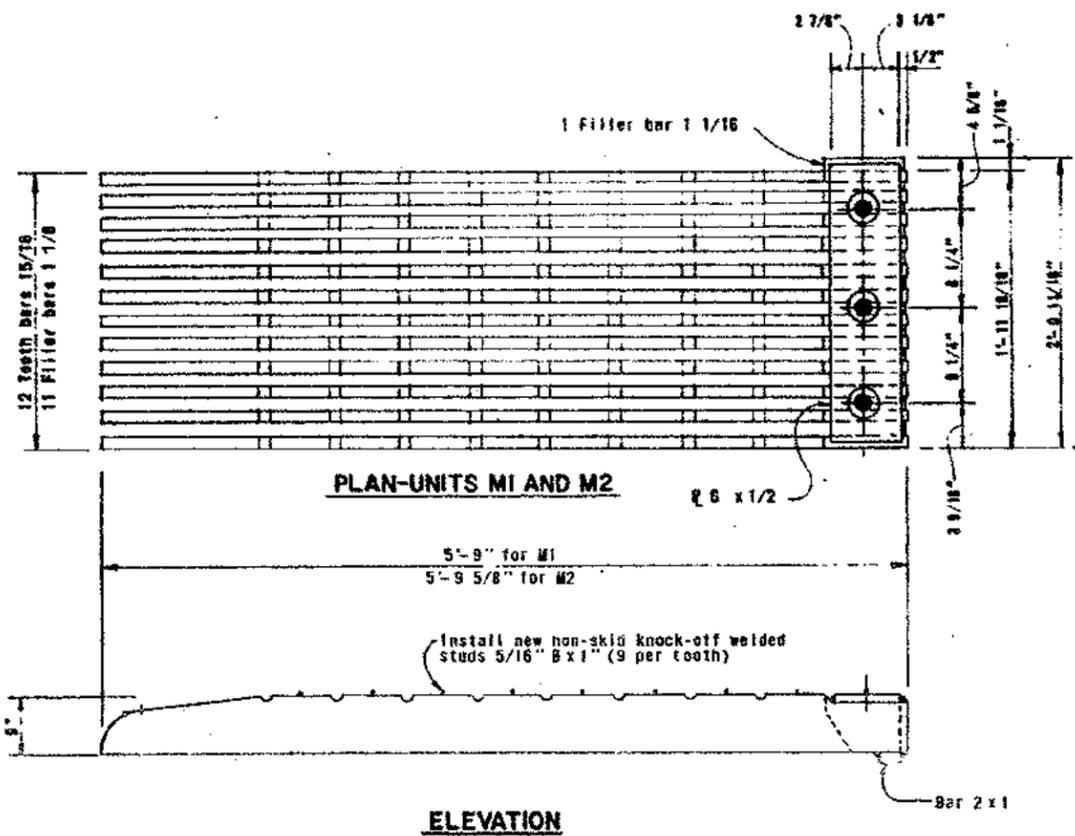
STATE OF CALIFORNIA — BUSINESS AND TRANSPORTATION AGENCY — DEPARTMENT OF PUBLIC WORKS — DIVISION OF BAY TOLL CROSSINGS			
DESIGNED BY: A. Lyons	CHECKED BY: R. K. Kline	APPROVED: DECEMBER 27, 1971	
DRAWN BY: J. J. [unclear]	CHECKED BY: A. Lykos	SAN FRANCISCO-OAKLAND BAY BRIDGE RECONSTRUCT EXPANSION JOINTS	
BY CHARGE OF REGION: Peter [unclear]		UPPER DECK GRATINGS	
LAYOUT AND DETAILS - PIER W1			
SCALE: UNLESS NOTED 1 1/2" = 1'-0"	SHEET NO. 2	DRAWING NO. C-64123-2R	

7-75	As built with revision	C/C	EAR
DATE	REVISION	BY	CHECK

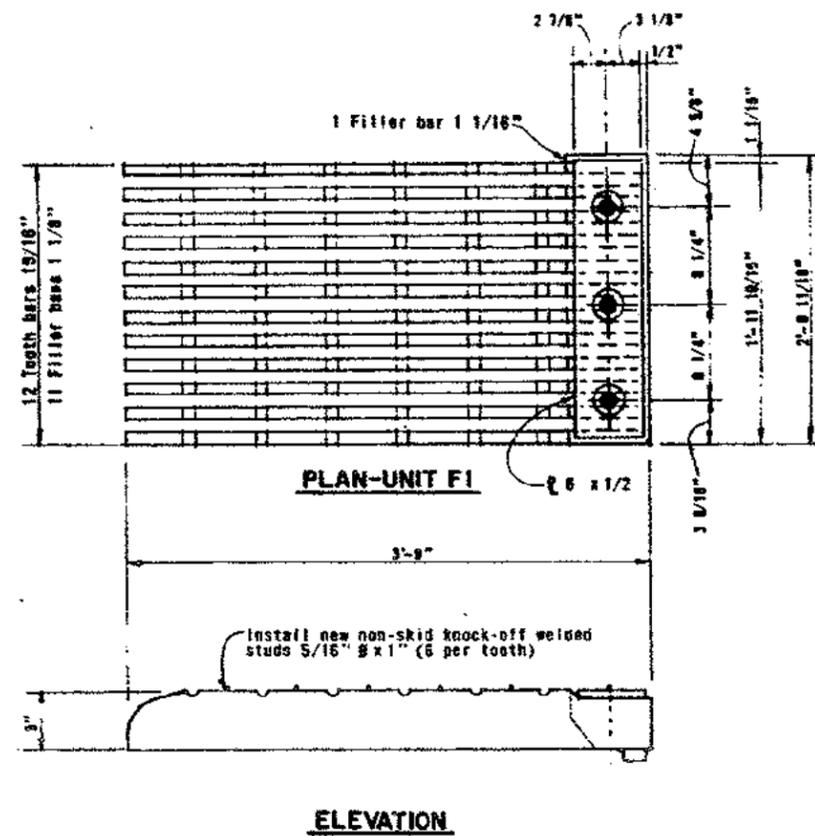


GRATING LAYOUT

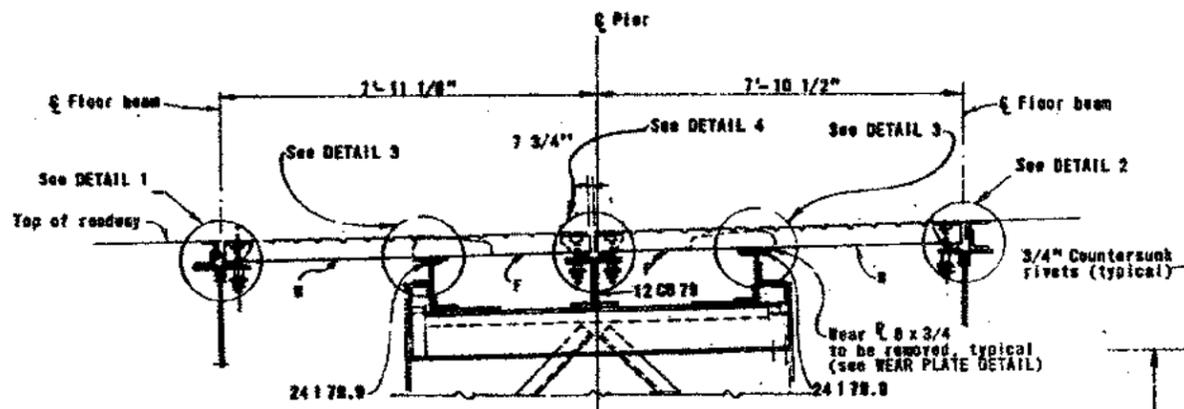
No Scale
Piers W2 and W5 shown
Piers W3 and W6 opposite hand



ELEVATION

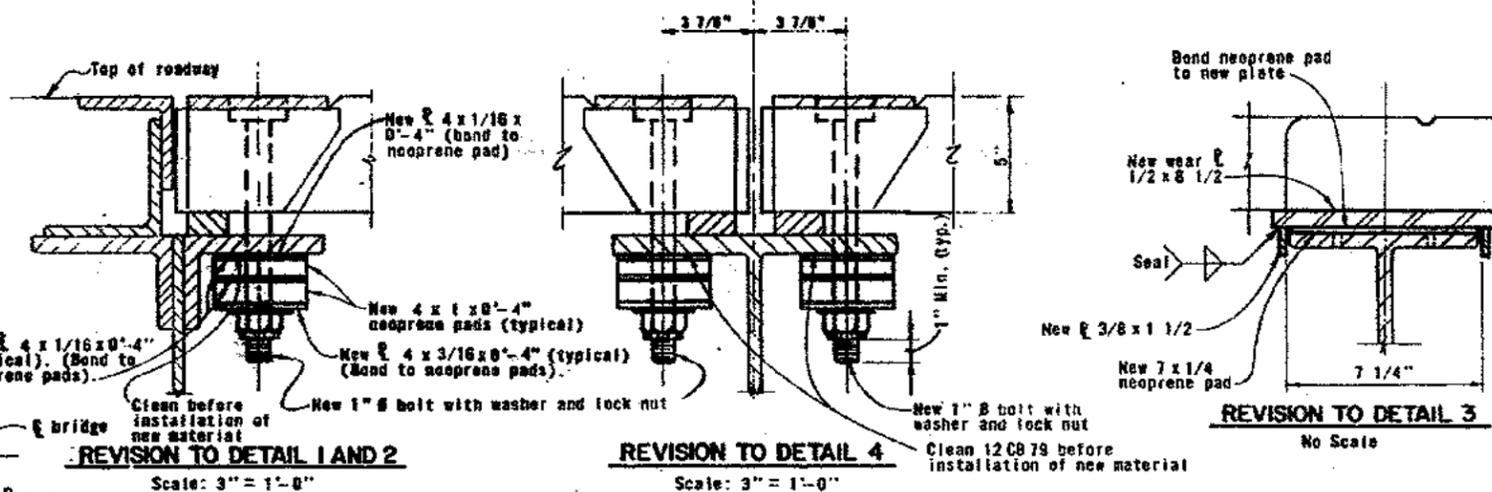


ELEVATION



SECTION A-A

Scale: 3/4" = 1'-0"



REVISION TO DETAIL 1 AND 2

Scale: 3" = 1'-0"

REVISION TO DETAIL 4

Scale: 3" = 1'-0"

REVISION TO DETAIL 3

No Scale

NOTE: For painting see PAINTING DETAIL sheet 2.

Remove 1" bolts, springs, washers, nuts, and washer bars 2 1/2 x 1/2

DETAIL 1 As Shown

DETAIL 2 Opposite Hand

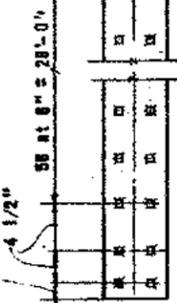
DETAIL 3

DETAIL 4

Remove 1" bolts, springs, washers, nuts and washer bars 2 1/2 x 1/2

Sandblast and paint top of beam after removal of units.

Sandblast and paint top of beam flange after removal of wear plate.



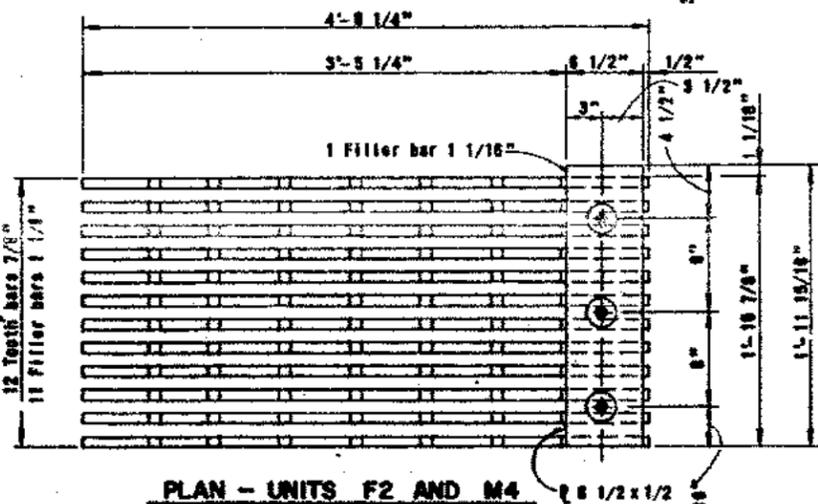
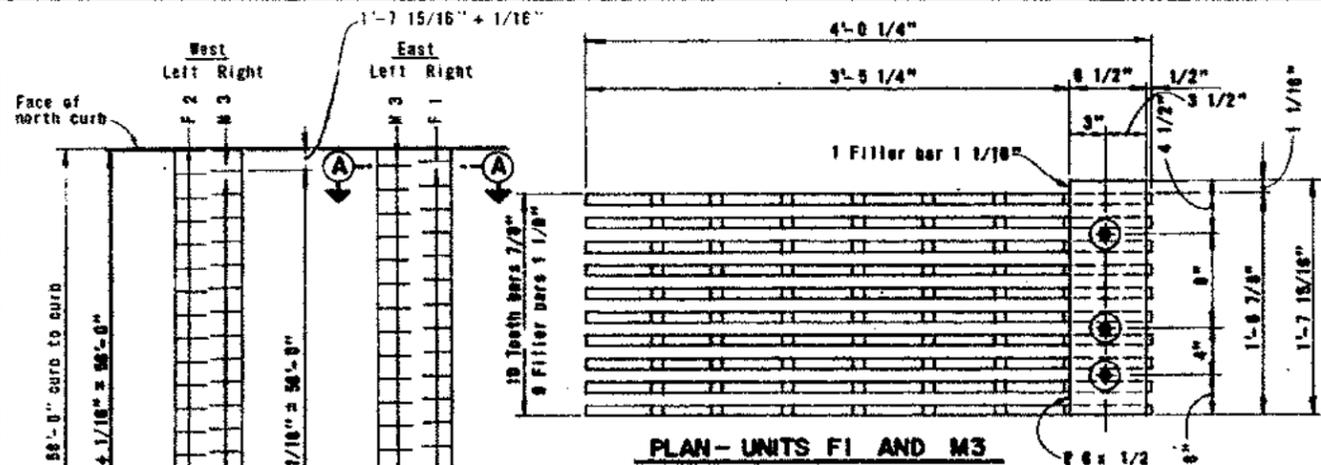
WEAR PLATE DETAIL

No scale

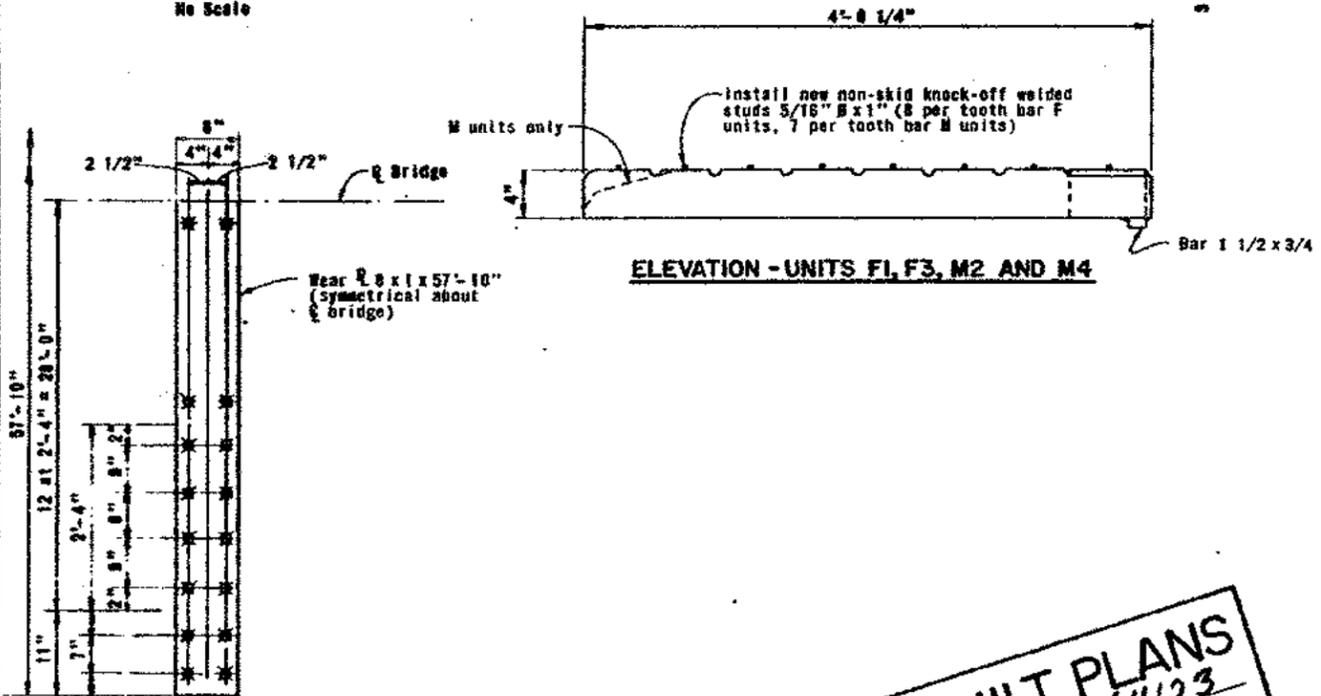
AS BUILT PLANS

7-75	As built with revision	cfc	CAR
DATE	REVISION	BY	CHK.

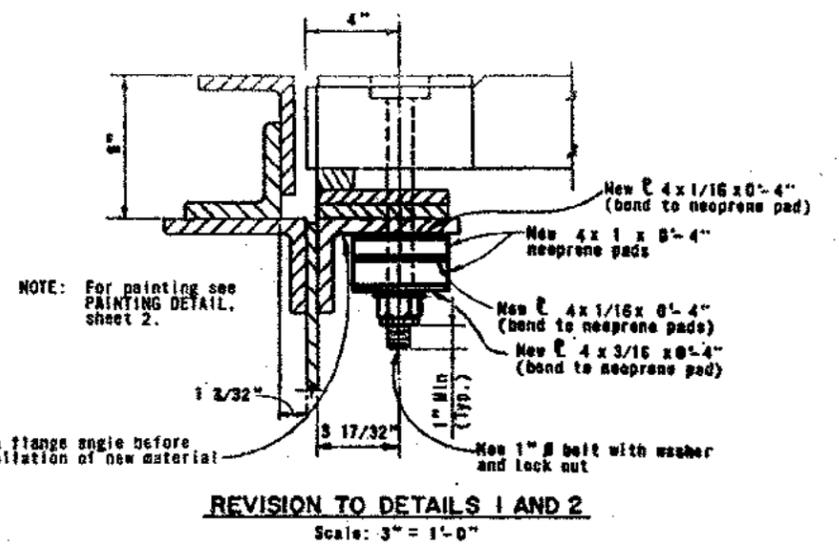
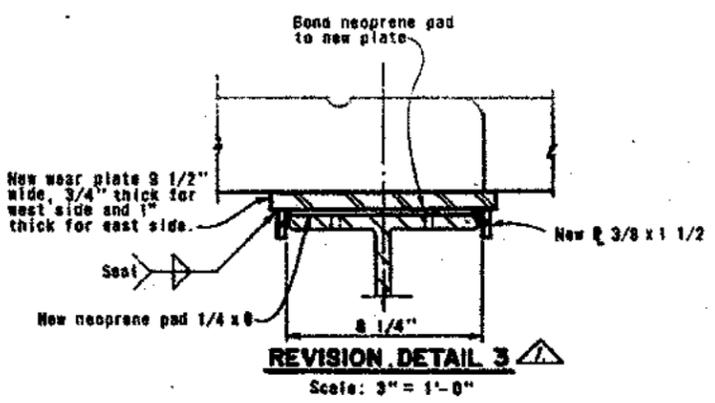
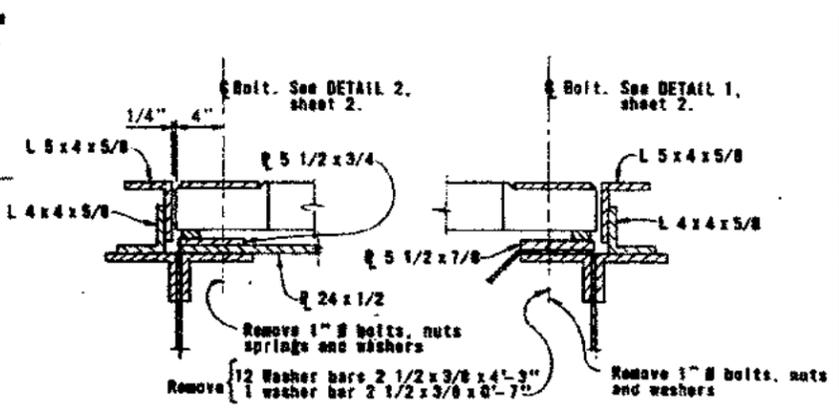
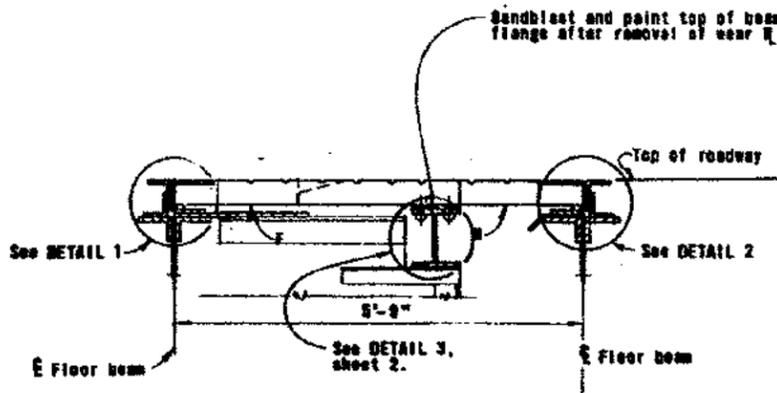
STATE OF CALIFORNIA — BUSINESS AND TRANSPORTATION AGENCY — DEPARTMENT OF PUBLIC WORKS — DIVISION OF BAY TOLL CROSSINGS		APPROVED DECEMBER 27, 1971	
DESIGNED BY: L. LYSKO	CHECKED BY: R. HAN		
DRAWN BY: J. HAN	CHECKED BY: L. LYSKO		
IN CHARGE OF BRIDGE: Peter B. ...		SAN FRANCISCO - OAKLAND BAY BRIDGE RECONSTRUCT EXPANSION JOINTS UPPER DECK GRATINGS	
LAYOUT AND DETAILS-PIERS W2, W3, W5 AND W6		SCALE: UNLESS NOTED 1 1/2" = 1'-0"	SHEET NO. 3
DRAWN BY: ...		C-64123-3 R	



GRATING LAYOUT
No Scale



WEAR PLATE DETAIL
No scale



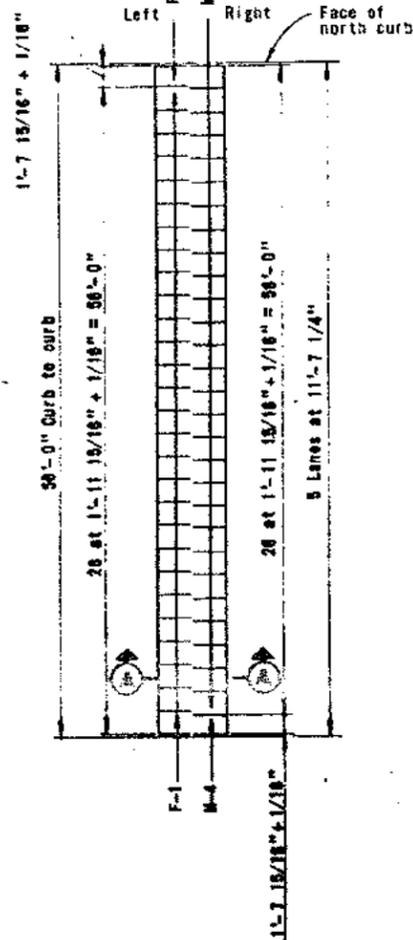
NOTE: For painting see PAINTING DETAIL, sheet 2.



AS BUILT PLANS
Contract No. 04-64123
Date Completed _____
Document No. _____

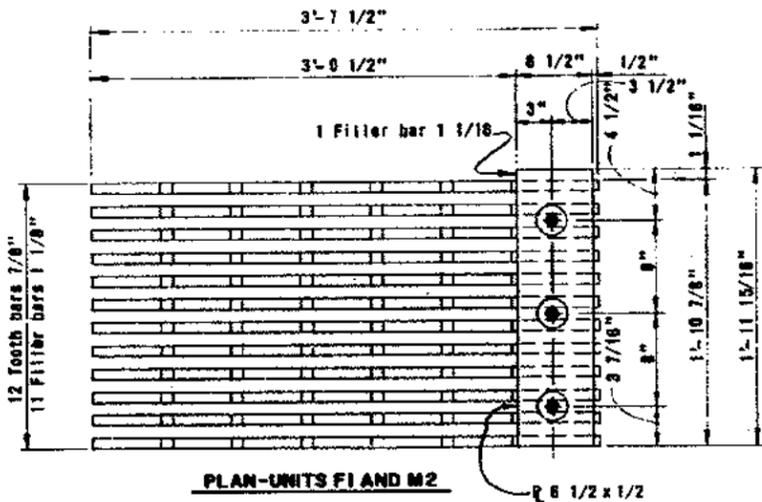
7-75	As built with revision.	CFC	FLR
MARK	DATE	BY	CHK.

STATE OF CALIFORNIA - BUSINESS AND TRANSPORTATION AGENCY - DEPARTMENT OF PUBLIC WORKS - DIVISION OF BAY TOLL CROSSINGS		APPROVED DECEMBER 27, 1971	
DESIGNED BY: <i>R. Lyke</i>	CHECKED BY: <i>R. Lyke</i>	SAN FRANCISCO-OAKLAND BAY BRIDGE RECONSTRUCT EXPANSION JOINTS UPPER DECK GRATINGS	
APPROVED BY: <i>R. Lyke</i>	DATE: <i>12/27/71</i>	LAYOUT AND DETAILS-PIER W-4 EAST AND WEST	
BY CHIEF OF DESIGN: <i>Charles Spinn</i>		SCALE: UNLESS NOTED 1 1/2" = 1'-0"	DATE: 12-27-71
APPROVAL: <i>U. M. ...</i>		NO. 4	REVISED TO: C-64123-4 R

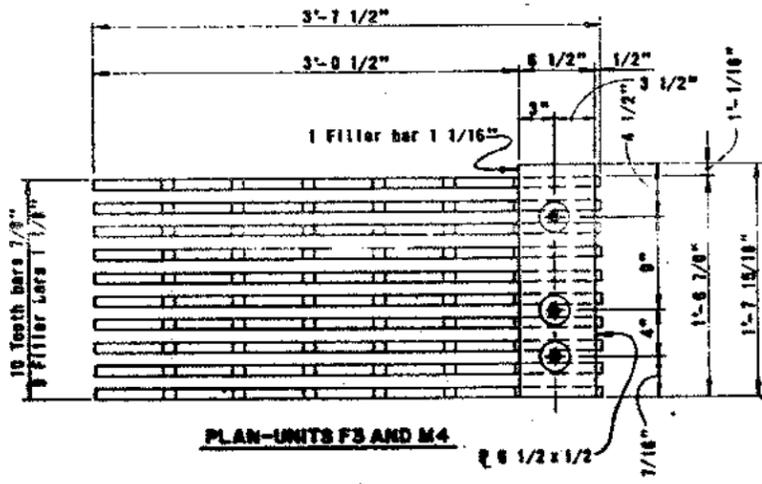


GRATING LAYOUT
No scale

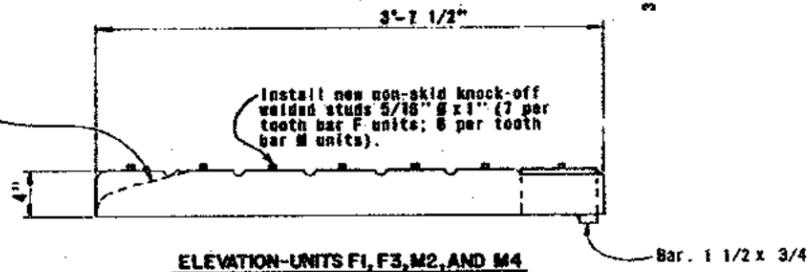
M units only



PLAN-UNITS F1 AND M2

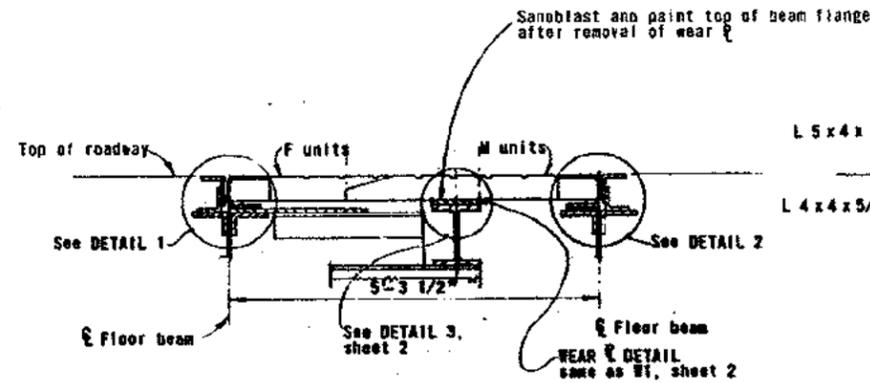


PLAN-UNITS F3 AND M4



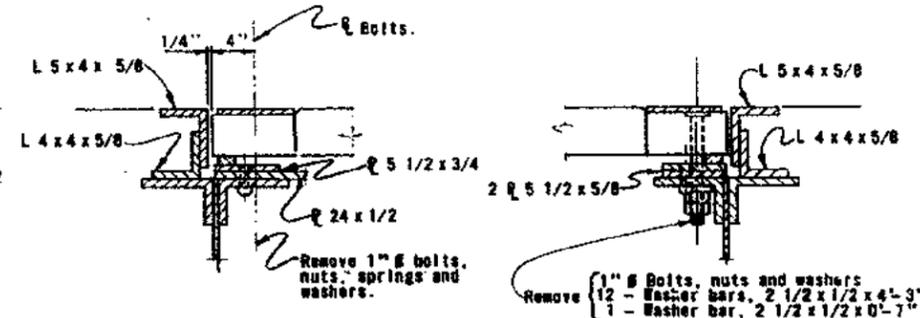
ELEVATION-UNITS F1, F3, M2, AND M4

GRATING DETAILS



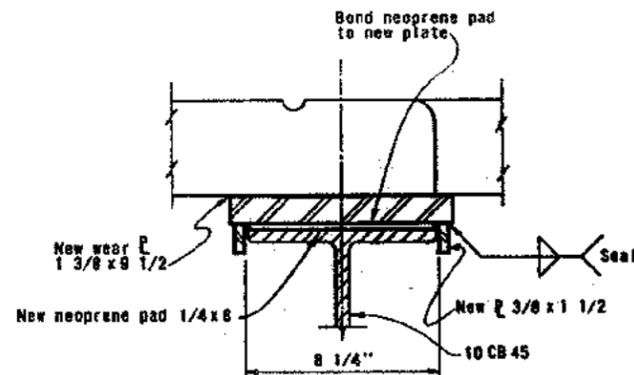
SECTION A-A

Scale: 3/4" = 1'-0"



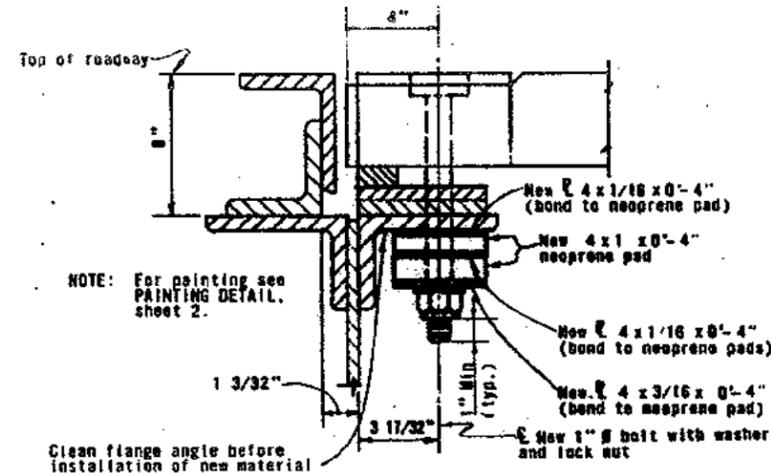
DETAIL 1

DETAIL 2



REVISION TO DETAIL 3

Scale: 3" = 1'-0"



REVISION TO DETAIL 1 AND 2

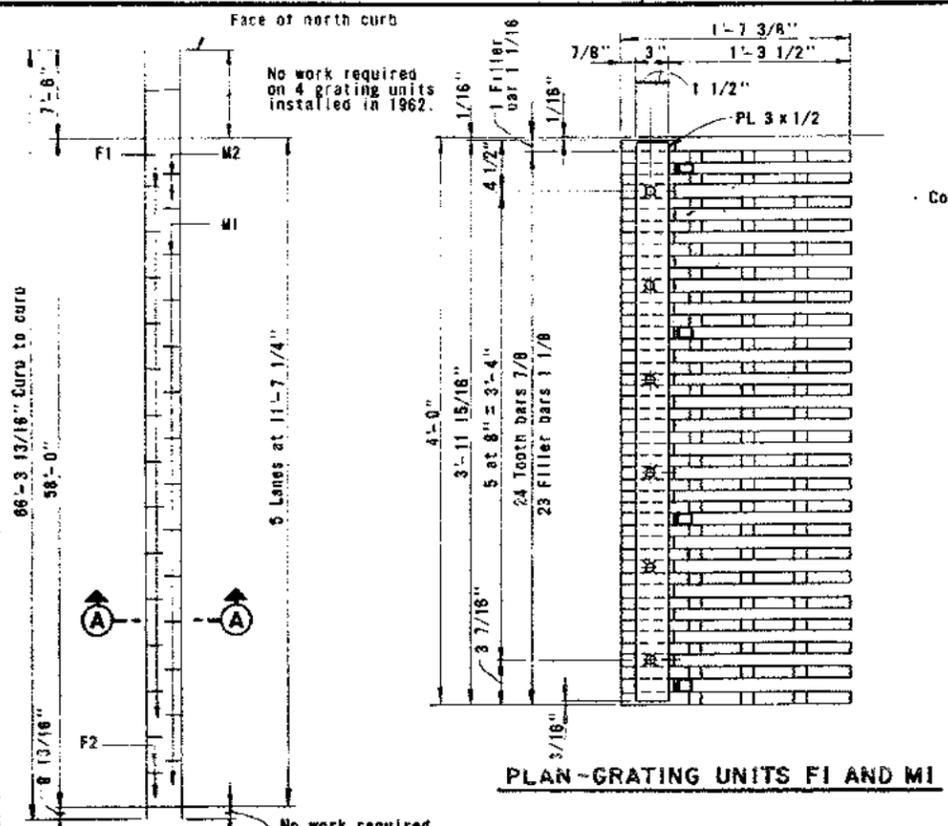
Scale: 3" = 1'-0"



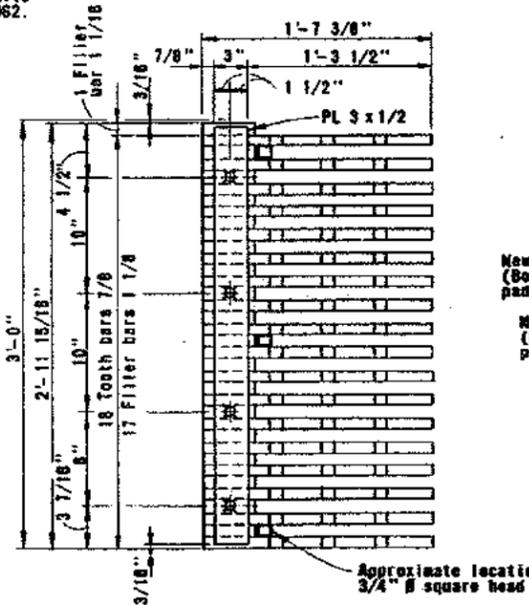
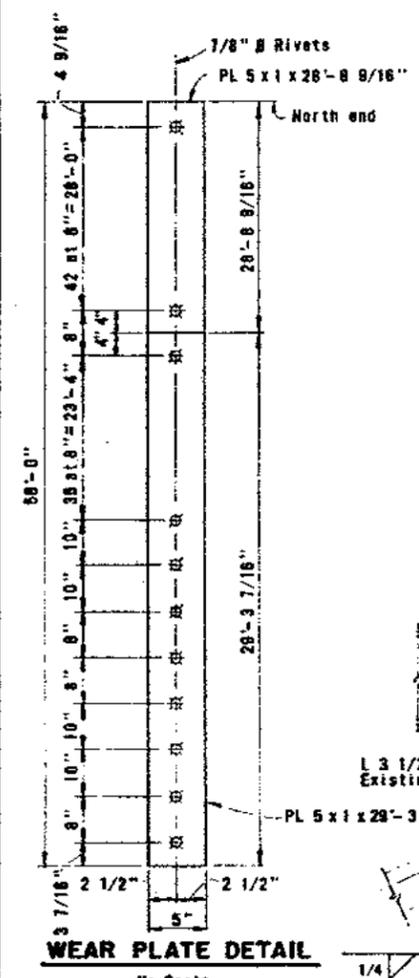
AS BUILT PLANS
Contract No. 04-64123
Date Completed _____
Document No. _____

7-15	As built without revision.	CFC	F.A.E.
REVISION	BY	CHK.	

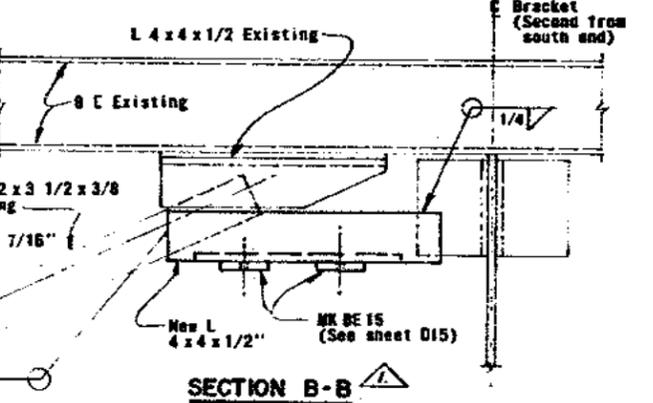
STATE OF CALIFORNIA - BUSINESS AND TRANSPORTATION AGENCY - DEPARTMENT OF PUBLIC WORKS - DIVISION OF BAY TOLL CROSSINGS	
DESIGNED BY: A. L. YERGEN	CHECKED BY: R. E. HARRIS
DRAWN BY: J. J. HARRIS	CHECKED BY: J. J. HARRIS
IN CHARGE: J. J. HARRIS	DATE: DECEMBER 27, 1971
SAN FRANCISCO-OAKLAND BAY BRIDGE RECONSTRUCT EXPANSION JOINTS UPPER DECK GRATINGS	
LAYOUT AND DETAILS - Y.B. ANCHORAGE	
SCALE UNLESS NOTED	SHEET NO. 5
1 1/2" = 1'-0"	PROJECT NO. C-64123-5 R



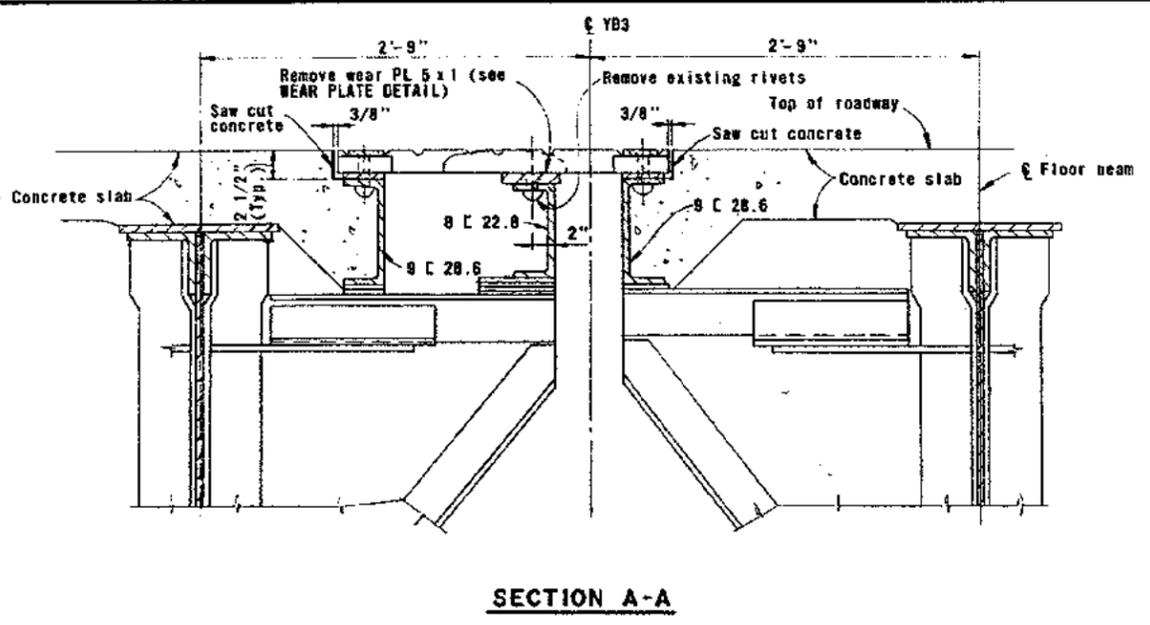
PLAN-GRATING UNITS F1 AND M1



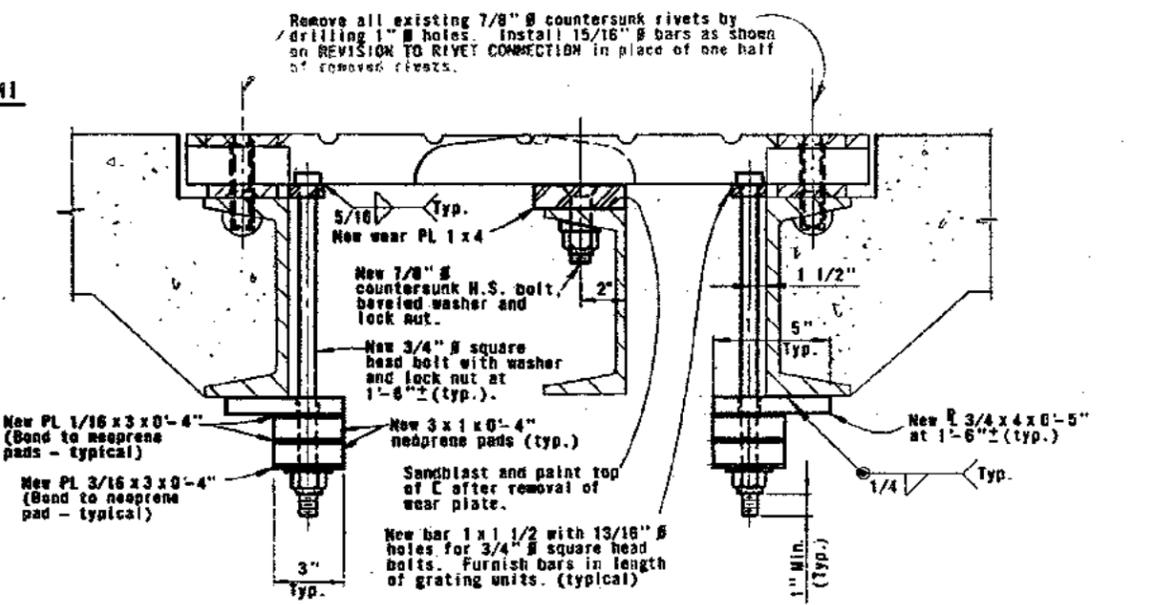
PLAN-GRATING UNITS F2 AND M2



SECTION B-B

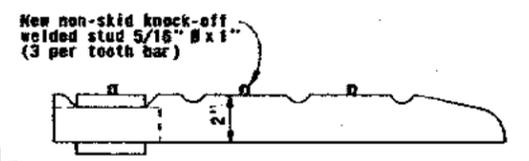


SECTION A-A



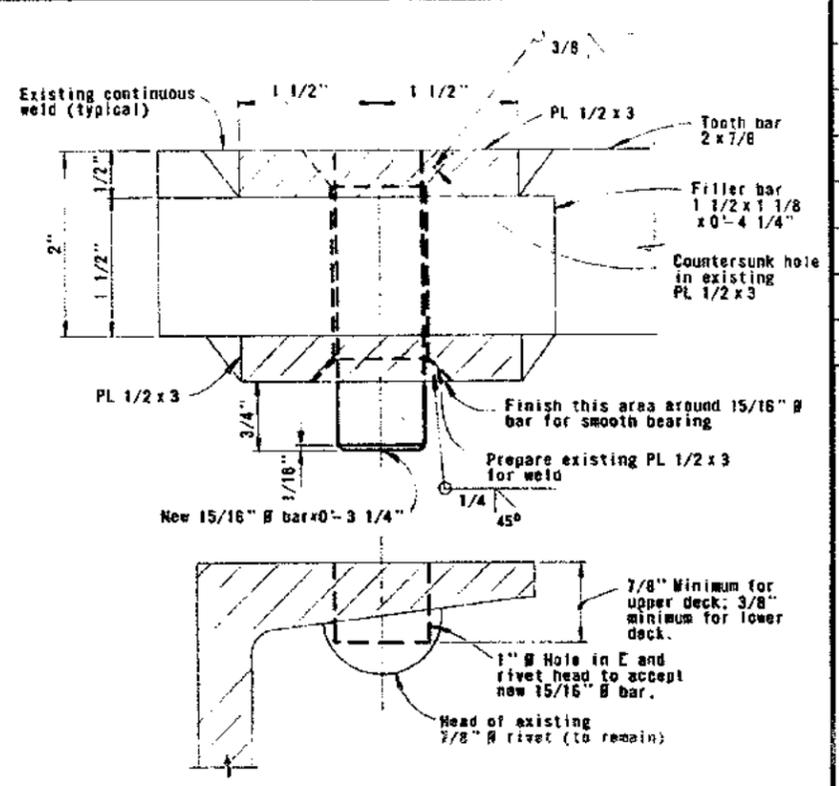
REVISION TO SECTION A-A

Scale: 3" = 1'-0"
(Typical except as shown in SECTION B-B for special locations)



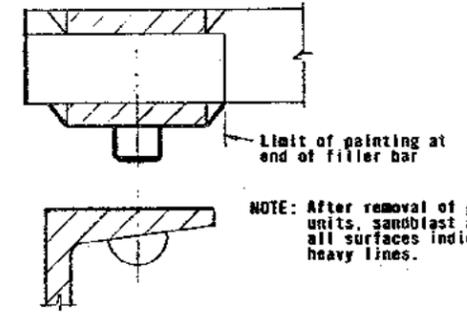
GRATING UNIT ELEVATION

Scale: 3" = 1'-0"



REVISION TO RIVET CONNECTION

Full Scale



PAINTING DETAIL

Half Scale



7-75	As built with revision.	c/c	RAR
DATE	REVISION	BY	CHK

STATE OF CALIFORNIA — BUSINESS AND TRANSPORTATION AGENCY — DEPARTMENT OF PUBLIC WORKS — DIVISION OF BAY TOLL CROSSINGS

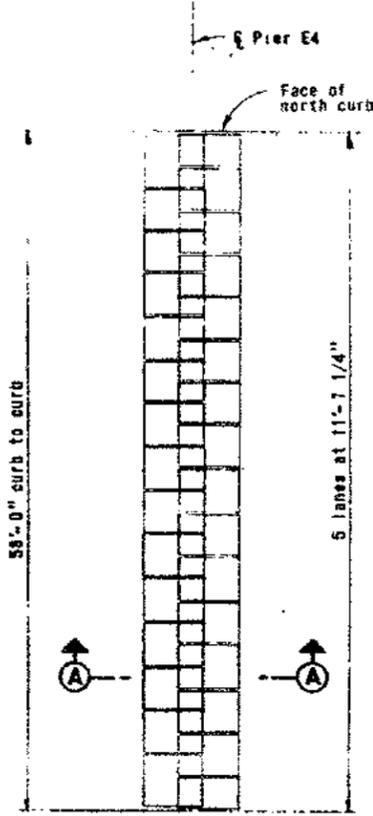
APPROVED: DECEMBER 27, 1971

SAN FRANCISCO-OAKLAND BAY BRIDGE RECONSTRUCT EXPANSION JOINTS UPPER DECK GRATINGS LAYOUT AND DETAILS-PIER YB3

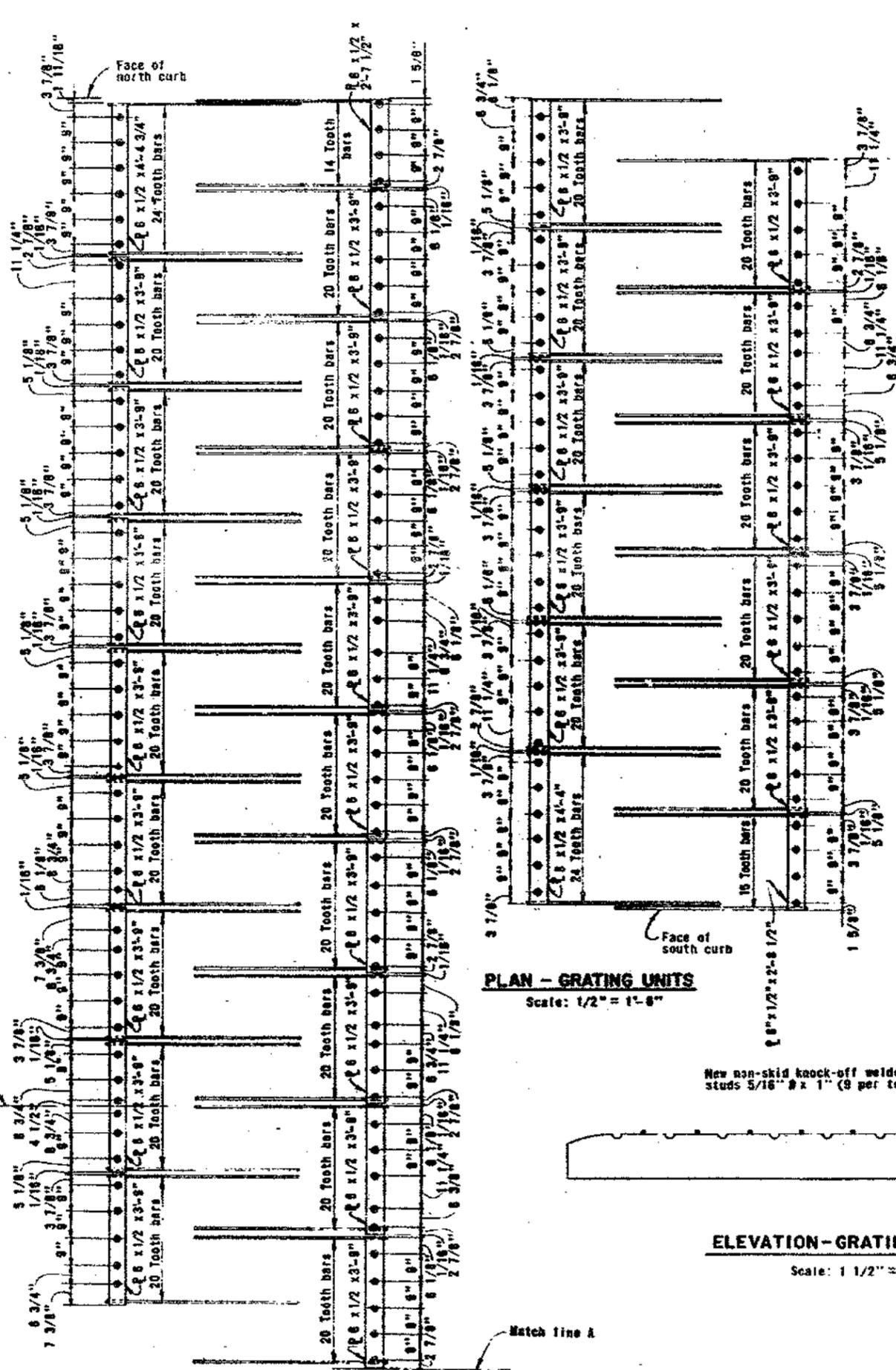
UNLESS NOTED 1 1/2" = 1'-0"

SCALE NO. 6

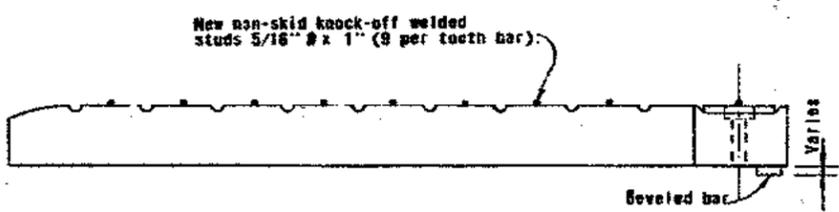
PROJECT NO. C-64123-6 R



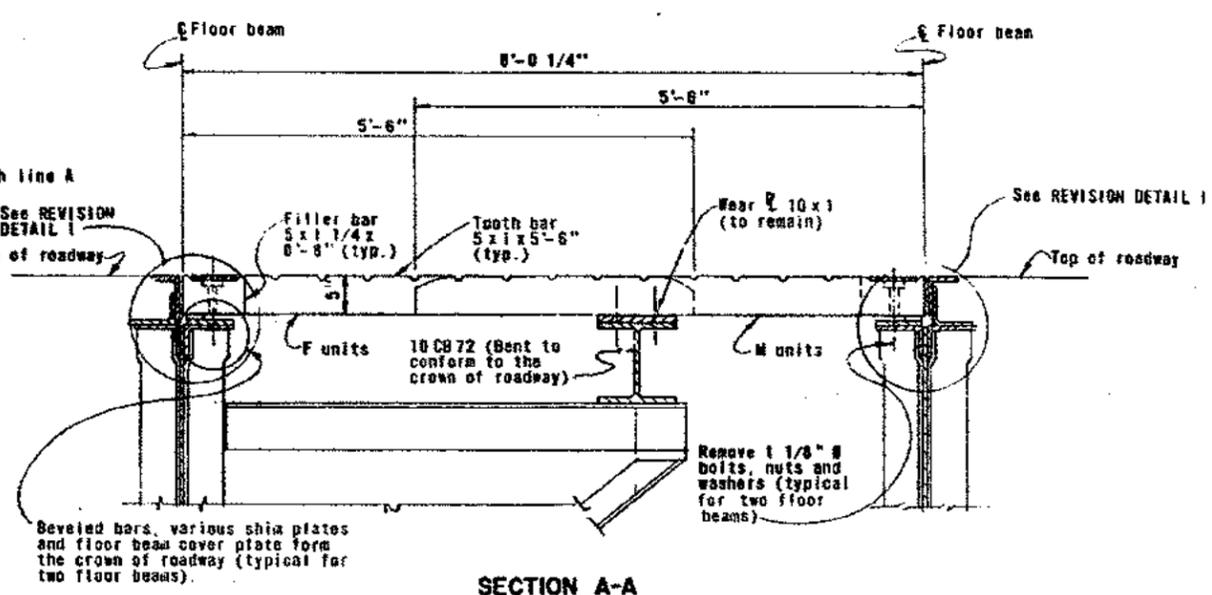
GRATING LAYOUT
No Scale



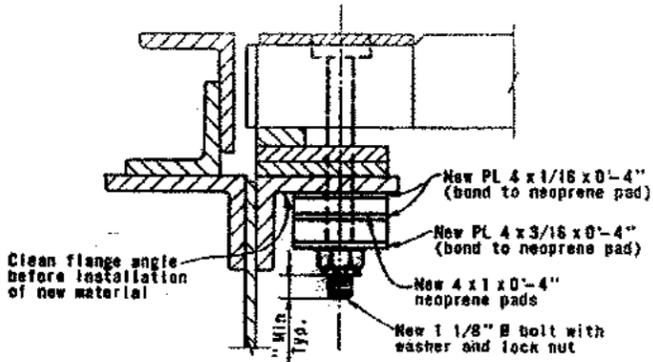
PLAN - GRATING UNITS
Scale: 1/2" = 1'-0"



ELEVATION - GRATING UNITS
Scale: 1 1/2" = 1'-0"



SECTION A-A
Scale: 1" = 1'-0"



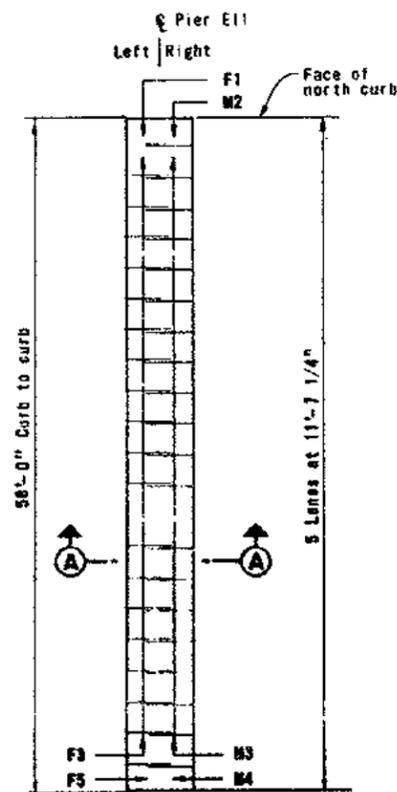
NOTE: For painting see PAINTING DETAIL, sheet 2

REVISION DETAIL I
Scale: 3" = 1'-0"

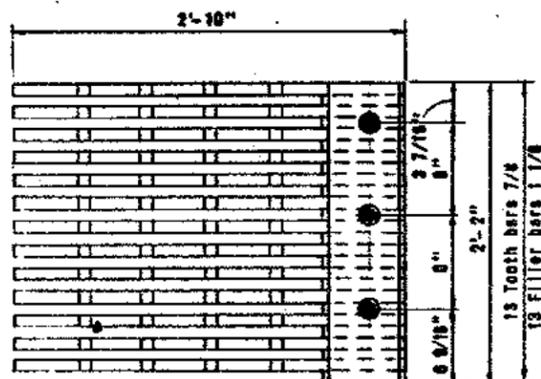
AS BUILT PLANS
Contract No. 04-64123
Date Completed
Document No.

7-75	As built without revision.	CFC	P.A.R.
MARK	DATE	BY	CHK.

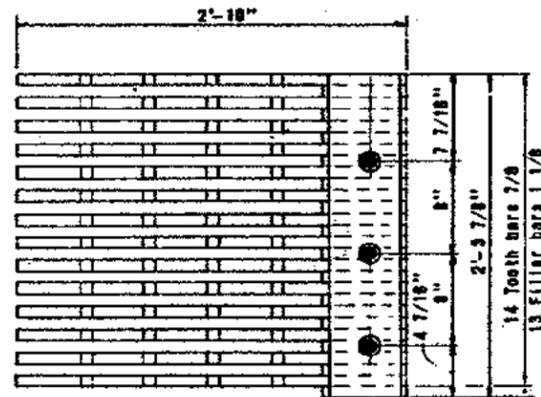
STATE OF CALIFORNIA — BUSINESS AND TRANSPORTATION AGENCY — DEPARTMENT OF PUBLIC WORKS — DIVISION OF BAY TOLL CROSSINGS			
DESIGNED BY A. Lyko	CHECKED BY R. E. Kinn	APPROVED DECEMBER 27, 1971	
DRAWN BY A. Lyko	CHECKED BY R. E. Kinn	SAN FRANCISCO - OAKLAND BAY BRIDGE RECONSTRUCT EXPANSION JOINTS UPPER DECK GRATINGS	
IN CHARGE OF DESIGN Robert R. Bairdwell		LAYOUT AND DETAILS - PIER E4	
APPROVAL Charles Seim		SCALE AS NOTED	SHEET NO. 7
		PROJECT NO. 7	DRAWING NO. C-6423-7 R



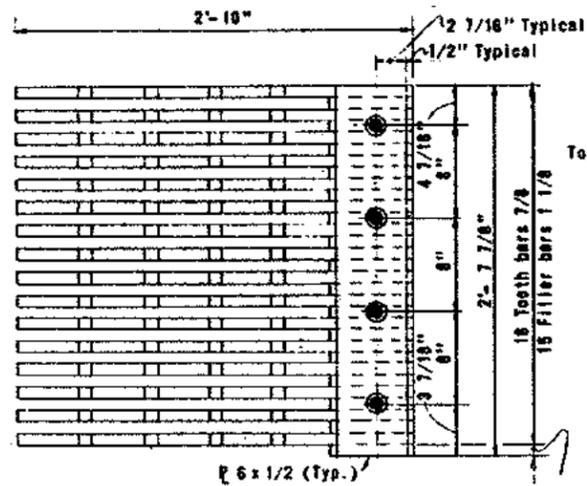
GRATING LAYOUT
 No Scale



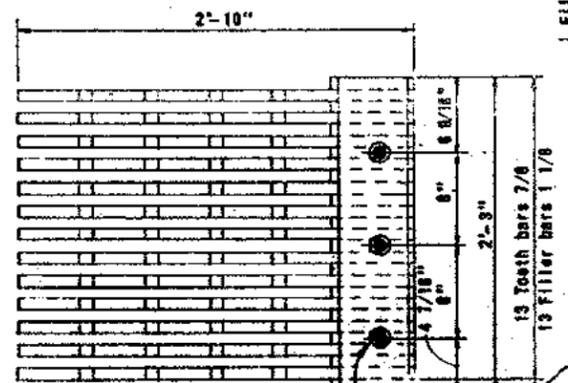
PLAN - UNIT F1



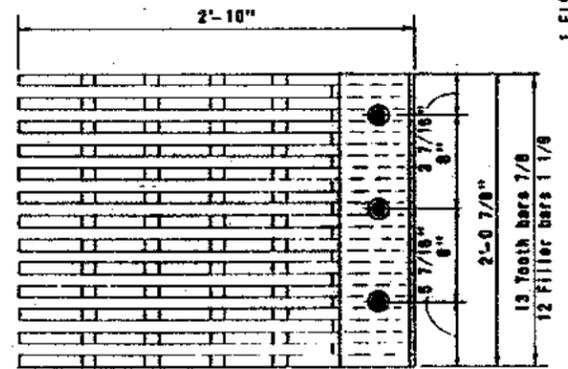
PLAN - UNIT M2



PLAN - UNITS F3 AND M3

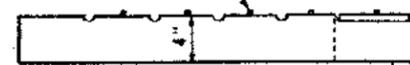


PLAN - UNIT F5

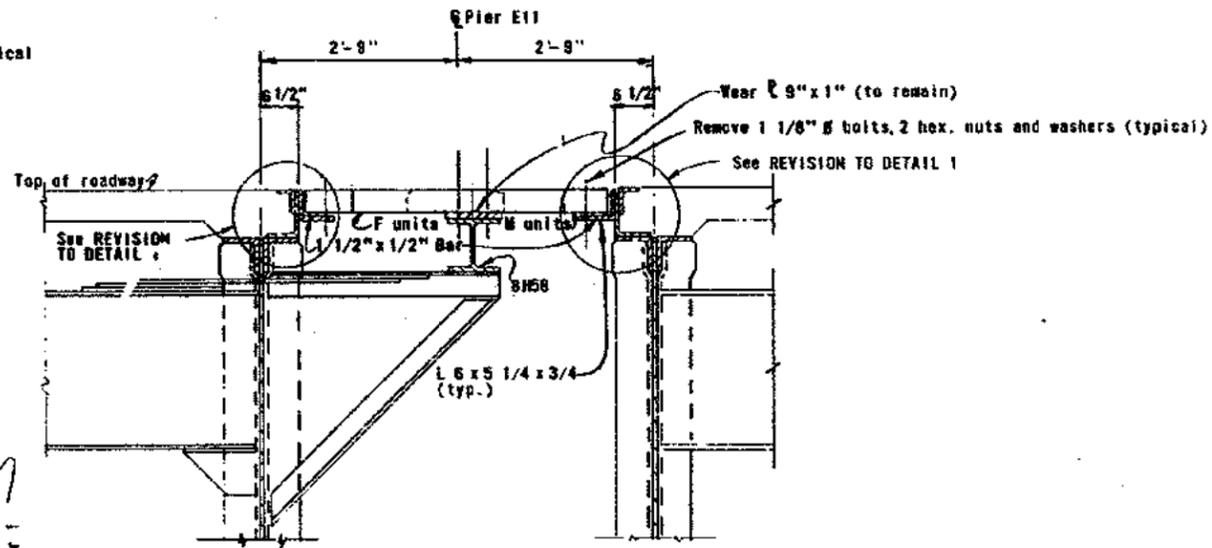


PLAN - UNIT M4

Install new non-skid knock-off welded studs 5/16" Ø x 1" (5 per tooth bar).

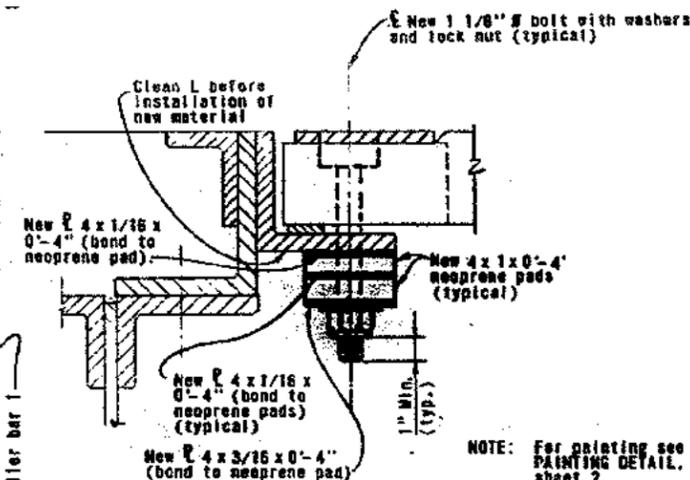


TYPICAL ELEVATION



SECTION A-A

Scale: 3/4" = 1'-0"

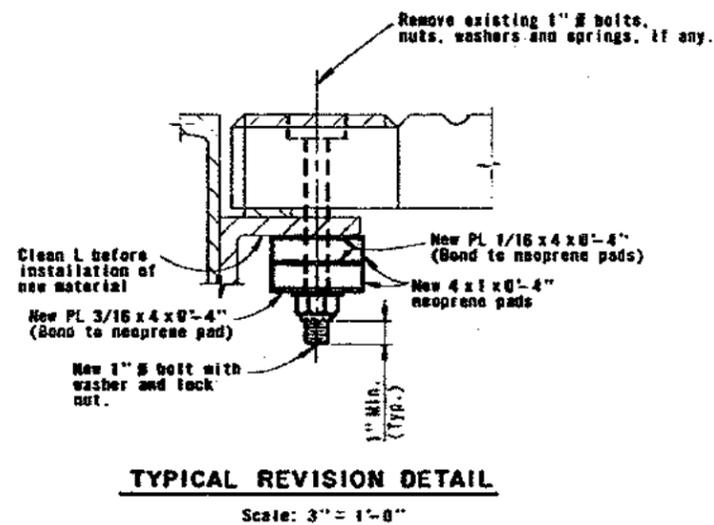
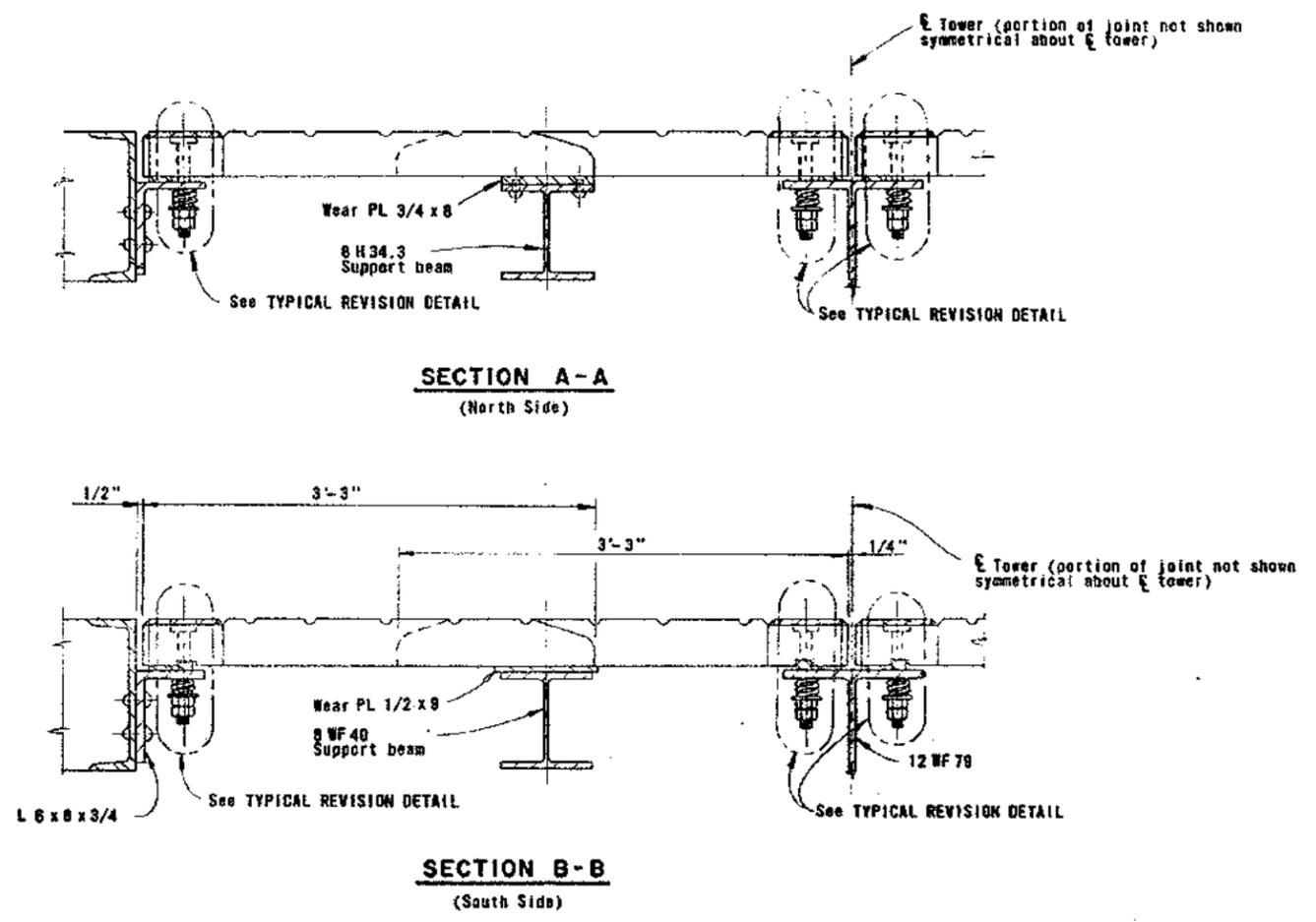
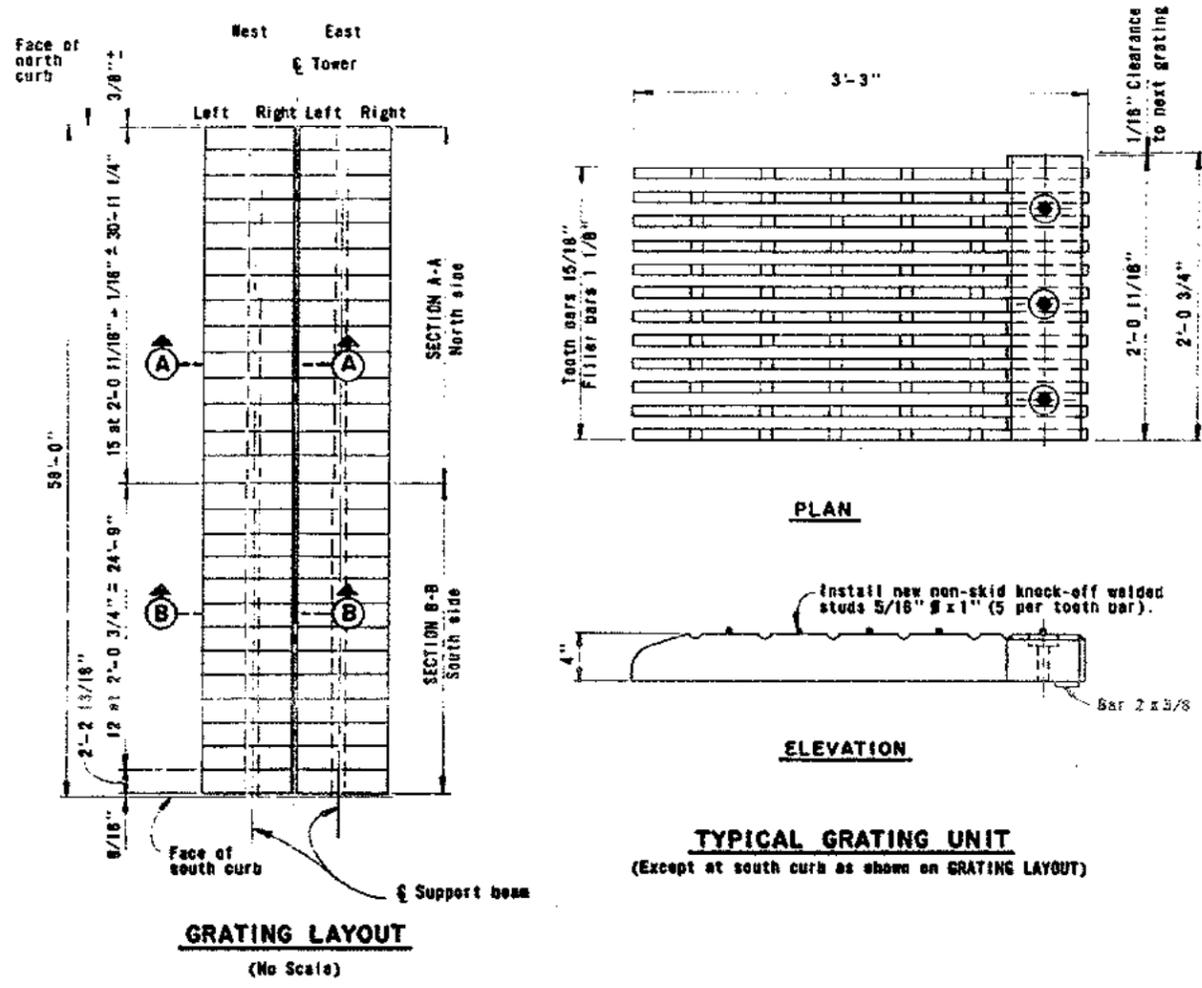


REVISION TO DETAIL 1

Scale: 3" = 1'-0"

7-75	As built without revision.	CFC	ELB
MARK	DATE	BY	CHK.

STATE OF CALIFORNIA — HIGHWAYS AND TRANSPORTATION AGENCY — DEPARTMENT OF PUBLIC WORKS — DIVISION OF BAY TOLL CROSSINGS			
DESIGNED BY: W. A. Lytko	CHECKED BY: [Signature]	APPROVED: DECEMBER 27, 1971	
DRAWN BY: [Signature]	CHECKED BY: [Signature]	SAN FRANCISCO-OAKLAND BAY BRIDGE RECONSTRUCT EXPANSION JOINTS UPPER DECK GRATINGS	
IN CHARGE OF WORK: [Signature]		LAYOUT AND DETAILS - PIER E11	
SCALE: UNLESS NOTED 1 1/2" = 1'-0"		SHEET NO.: 8	DRAWING NO.: C-64123-8 R

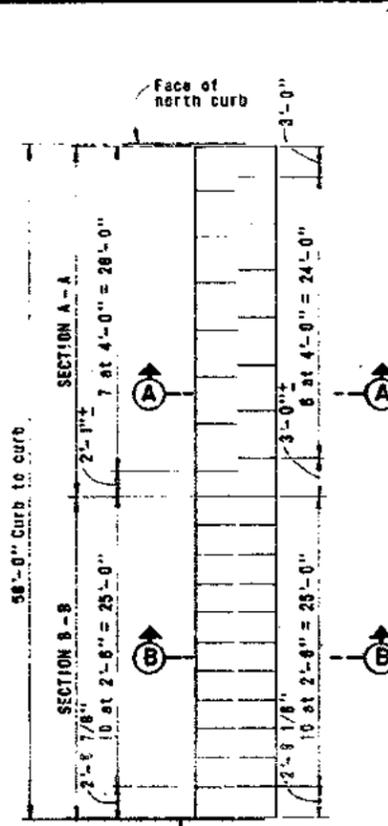


AS BUILT PLANS
 Contract No. 04-64123
 Date Completed _____
 Document No. _____

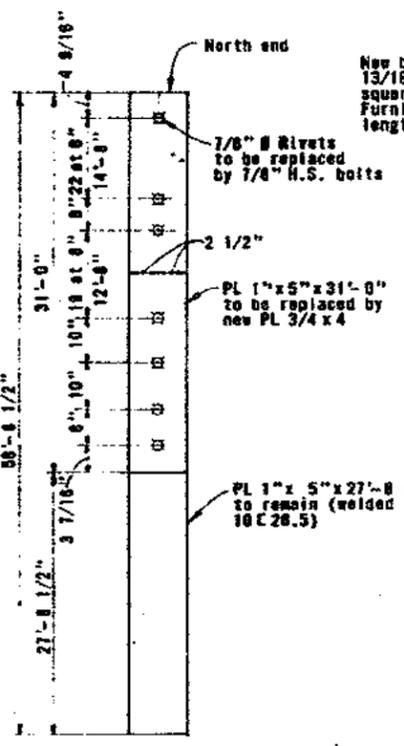


STATE OF CALIFORNIA — BUSINESS AND TRANSPORTATION AGENCY — DEPARTMENT OF PUBLIC WORKS — DIVISION OF BAY TOLL CROSSINGS			
DESIGN BY	A. Lytle	CHECKED BY	P. Bunch
DESIGN BY	A. Lytle	CHECKED BY	A. Lytle
SPECIFICATIONS BY	A. Lytle	REVISION BY	P. Bunch
IN CHARGE OF DESIGN	Pete Bunch		
APPROVAL	APPROVED: DECEMBER 27, 1971		
RECOMMENDED BY	Charles Seim		
APPROVED BY	W. Michael		
SAN FRANCISCO-OAKLAND BAY BRIDGE RECONSTRUCT EXPANSION JOINTS LOWER DECK GRATINGS		LAYOUT AND DETAILS - PIERS W2, W3, W5, W6	
SCALE UNLESS NOTED 1 1/2" = 1'-0"		SHEET NO.	11
		DRAWING NO.	C-64123-11 R

7-75	As built without revision	C.F.C.	F.A.R.
DATE	REVISION	BY	CHK.

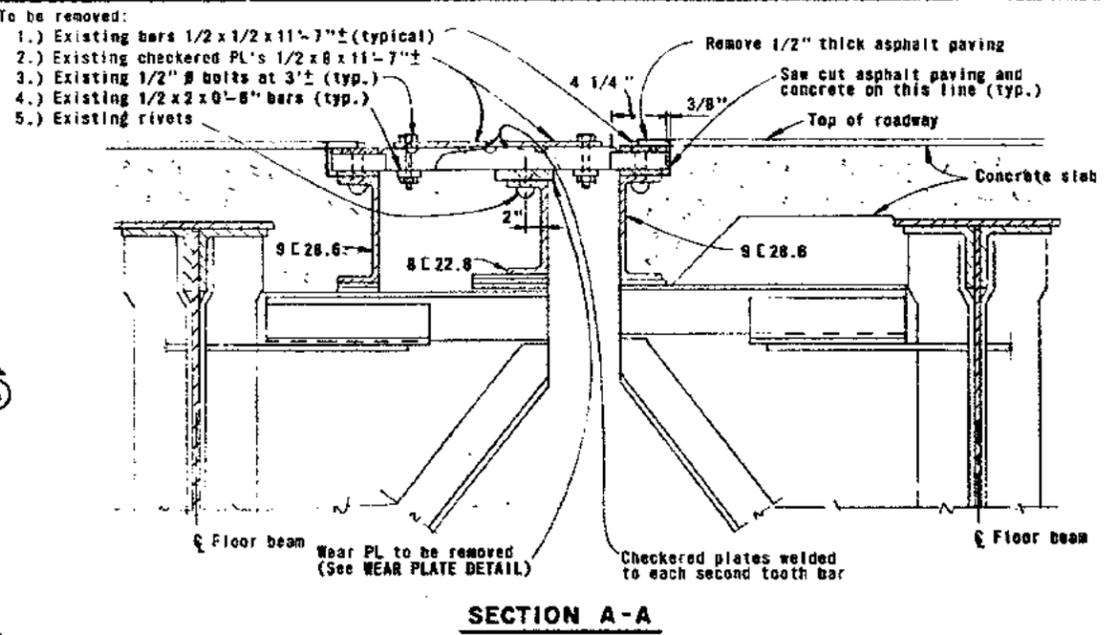


GRATING LAYOUT
(See Sheet 6 for Details of Grating Units)
No Scale

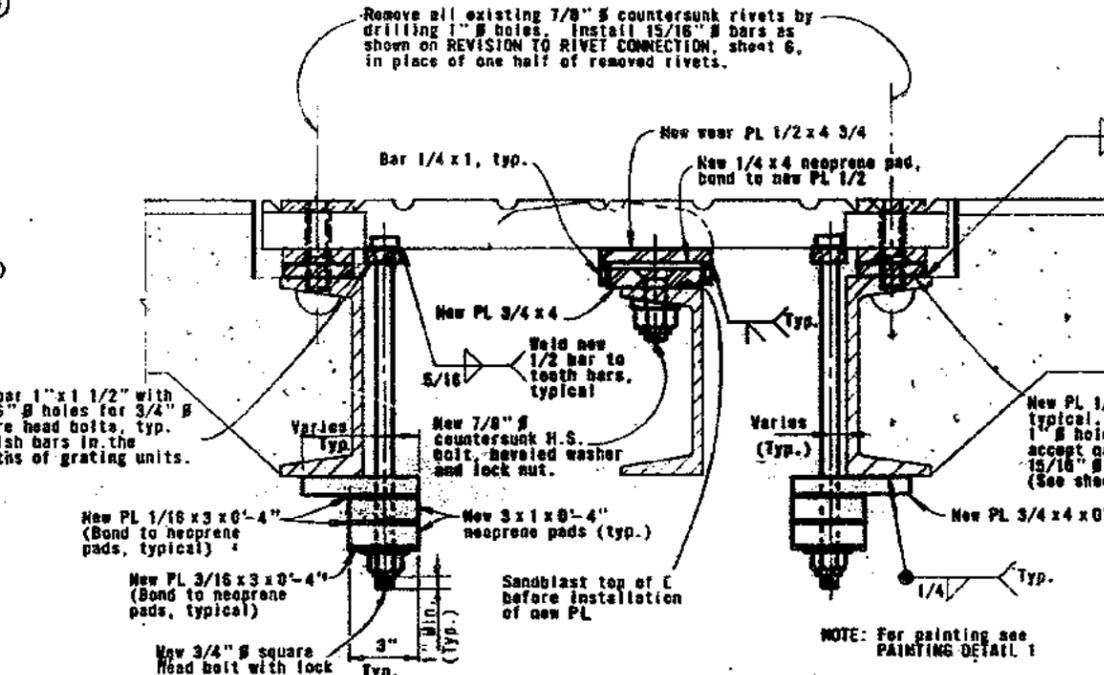


WEAR PLATE DETAIL
No Scale

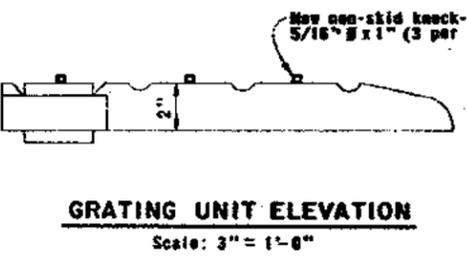
AS BUILT PLANS
Contract No. 04-64123
Date Completed _____
No. _____



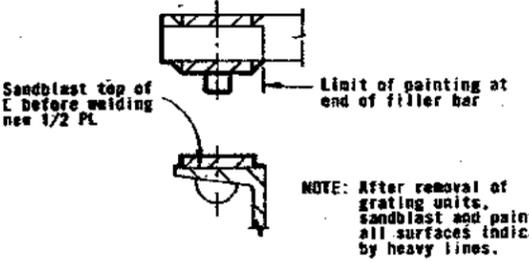
SECTION A-A



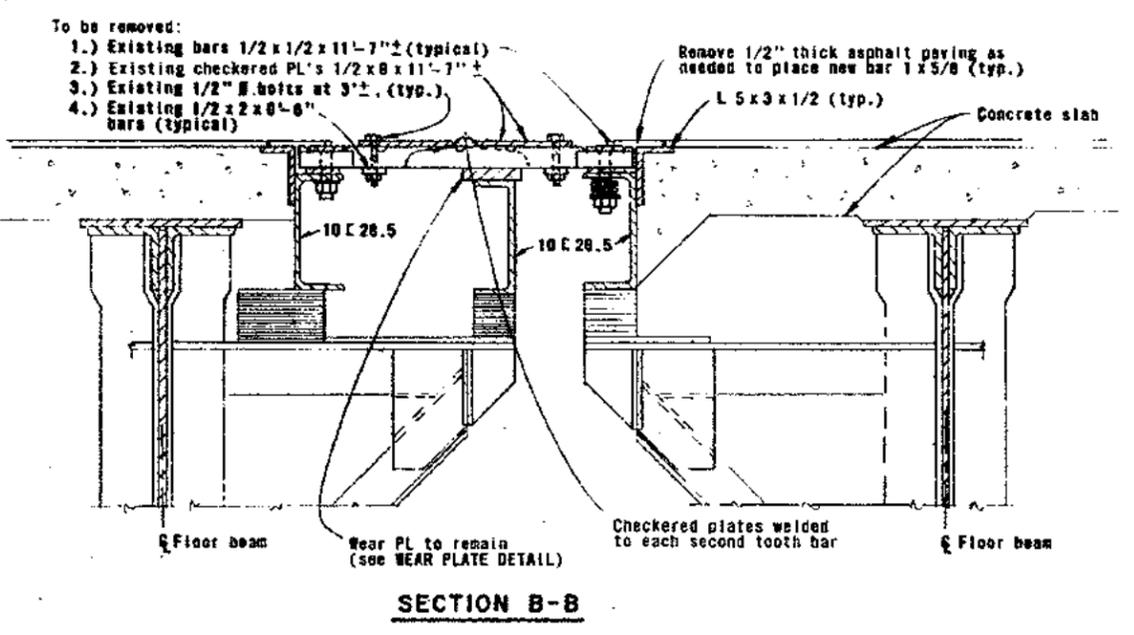
REVISION TO SECTION A-A
Scale: 3" = 1'-0"



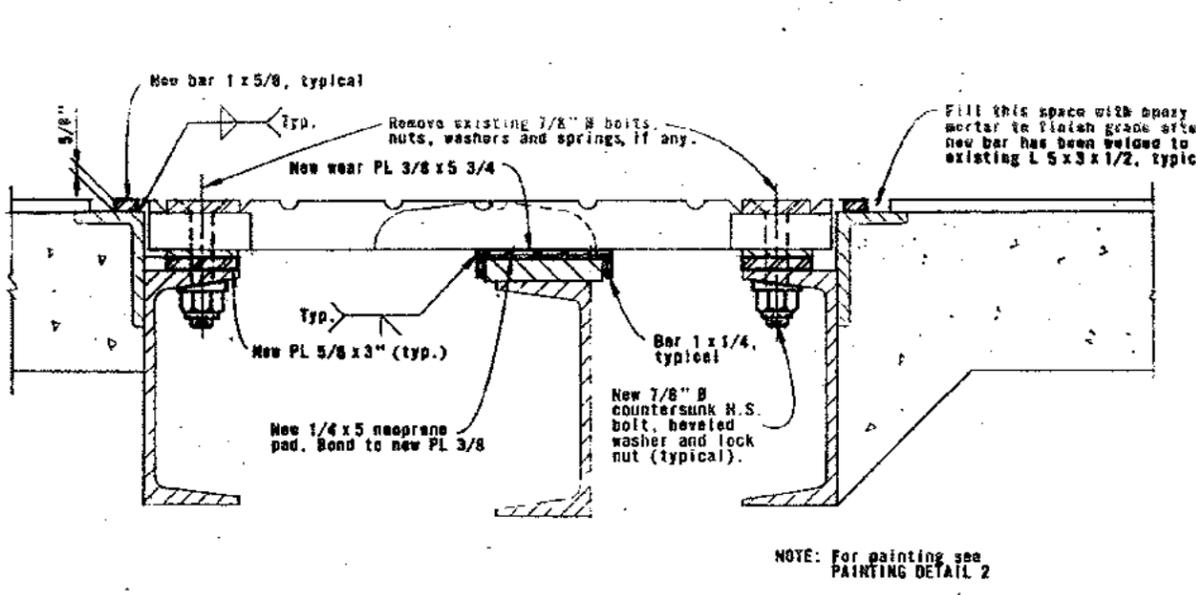
GRATING UNIT ELEVATION
Scale: 3" = 1'-0"



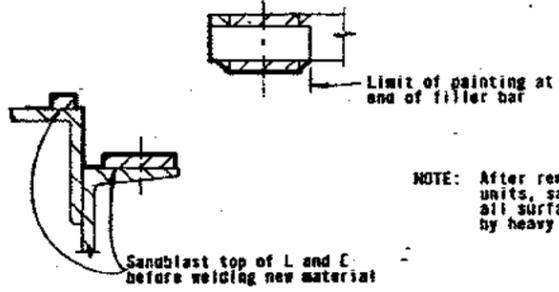
PAINTING DETAIL 1
Scale: 3" = 1'-0"



SECTION B-B



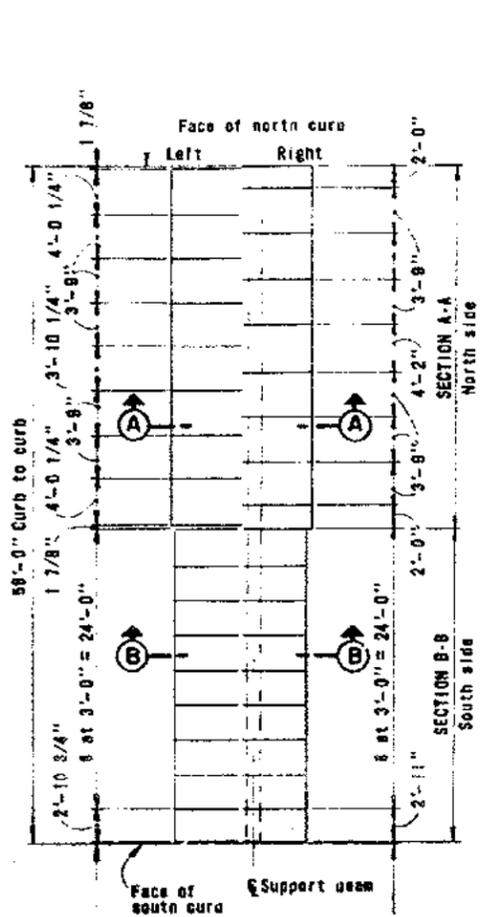
REVISION TO SECTION B-B
Scale: 3" = 1'-0"



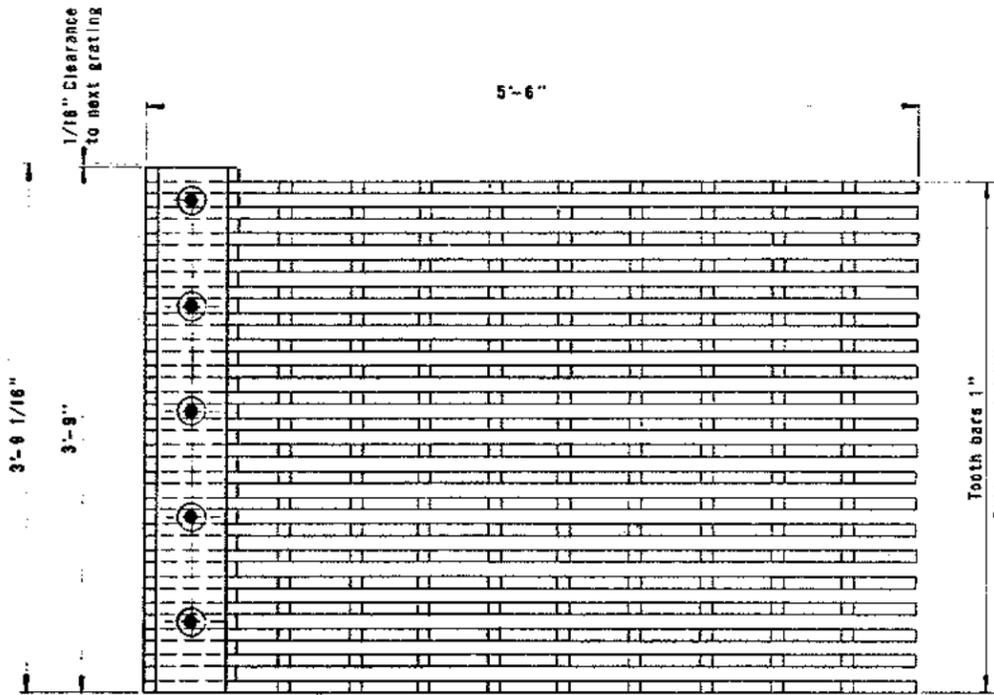
PAINTING DETAIL 2
Scale: 3" = 1'-0"

7-75	As built with revision.	CFO	FAR
DATE	REVISION	BY	CHK.

STATE OF CALIFORNIA — HIGHWAYS AND TRANSPORTATION AGENCY — DEPARTMENT OF PUBLIC WORKS — DIVISION OF BAY TOLL CROSSINGS			
DESIGNED BY: <i>H. L. ...</i>	CHECKED BY: <i>H. L. ...</i>	APPROVED BY: <i>H. L. ...</i>	DATE: DECEMBER 27, 1971
SAN FRANCISCO-OAKLAND BAY BRIDGE RECONSTRUCT EXPANSION JOINTS LOWER DECK GRATINGS			
LAYOUT AND DETAILS-PIER YB3			
SCALE UNLESS NOTED 1/2" = 1'-0"	SHEET NO. 12	PROJECT NO. C-64123-12 R	



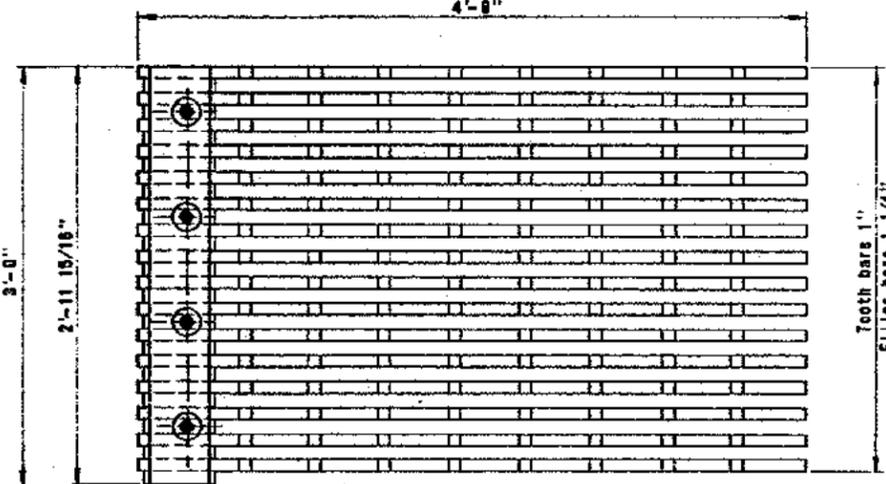
GRATING LAYOUT
 No Scale



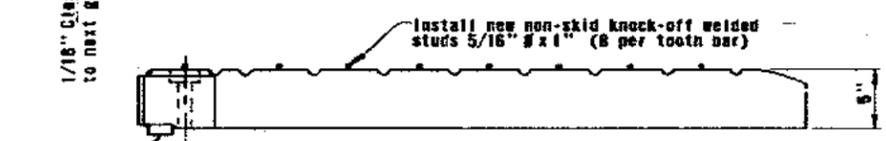
PLAN
 (Except as shown on GRATING LAYOUT)



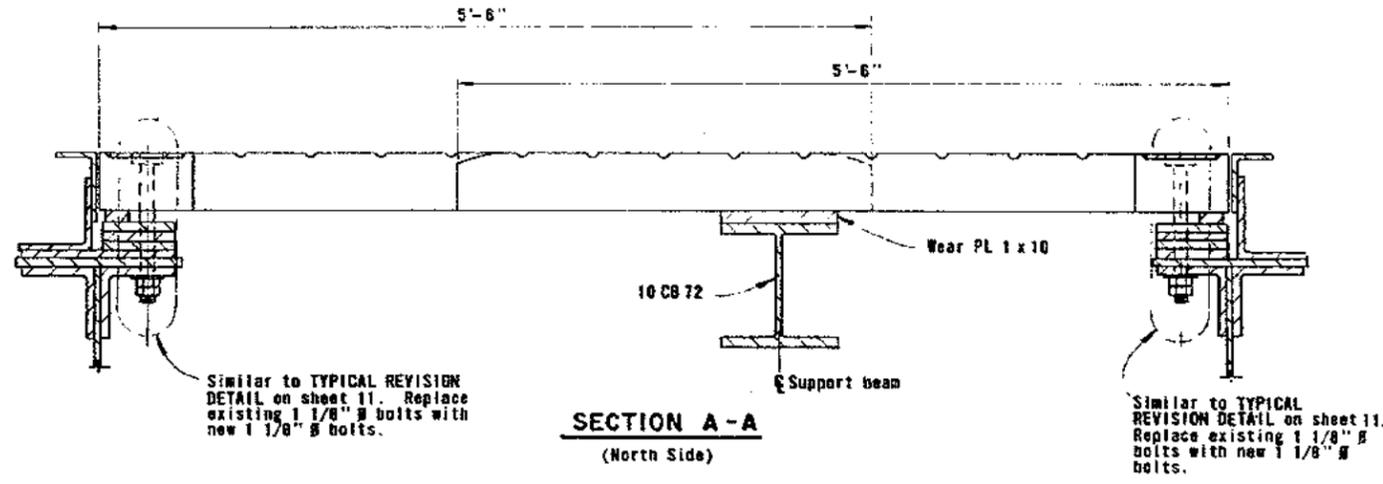
ELEVATION TYPICAL GRATING UNIT
 (North Side)



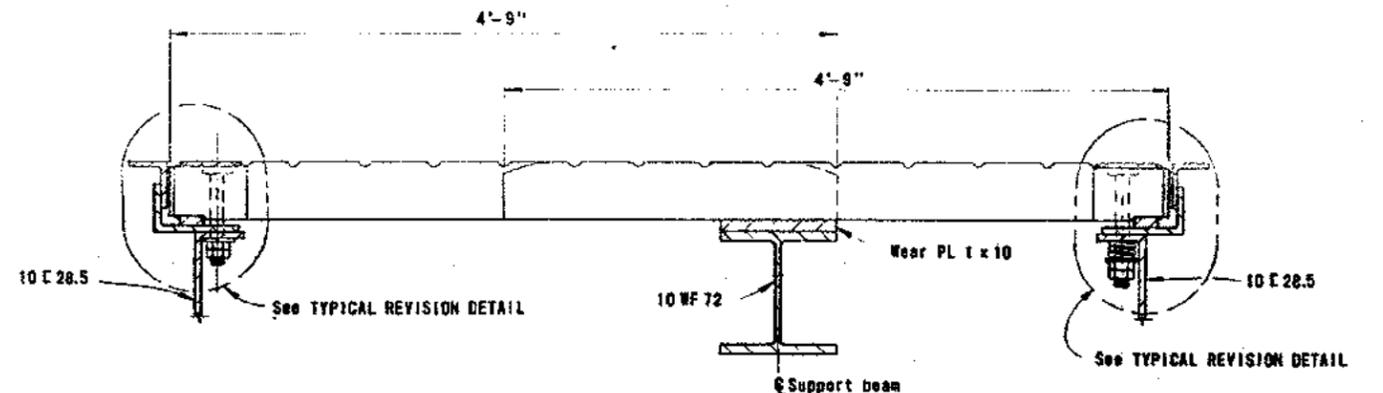
PLAN
 (Except as shown on GRATING LAYOUT)



ELEVATION TYPICAL GRATING UNIT
 (South Side)

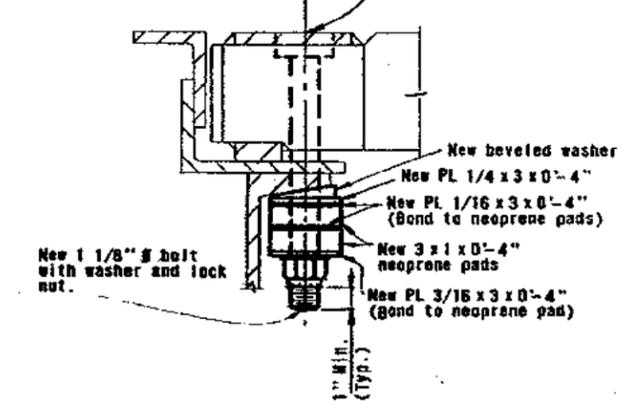


SECTION A-A
 (North Side)



SECTION B-B
 (South Side)

Remove existing 1 1/8" Ø bolts, nuts, washers and springs, if any.



TYPICAL REVISION DETAIL

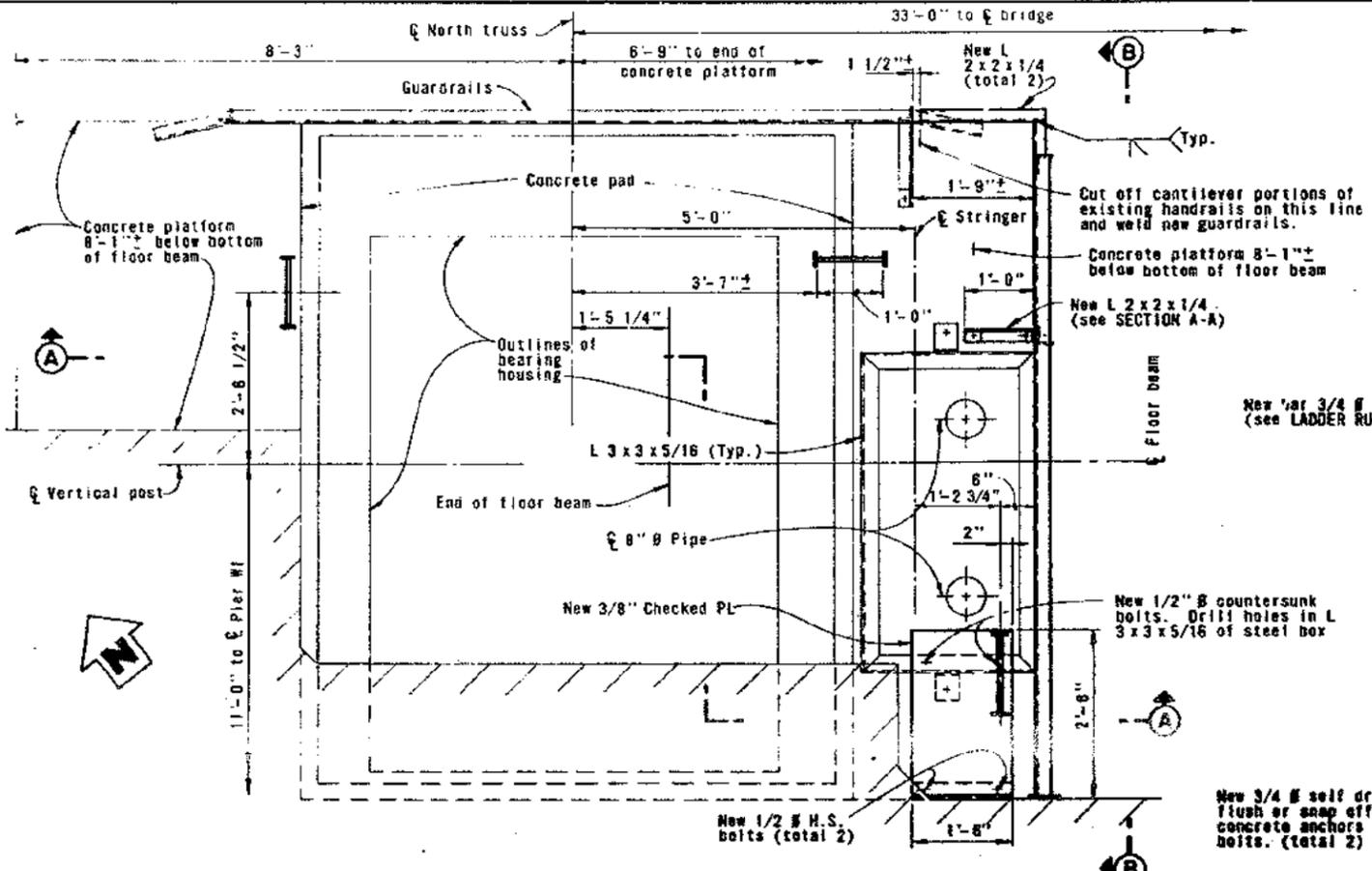
Scale: 3" = 1'-0"



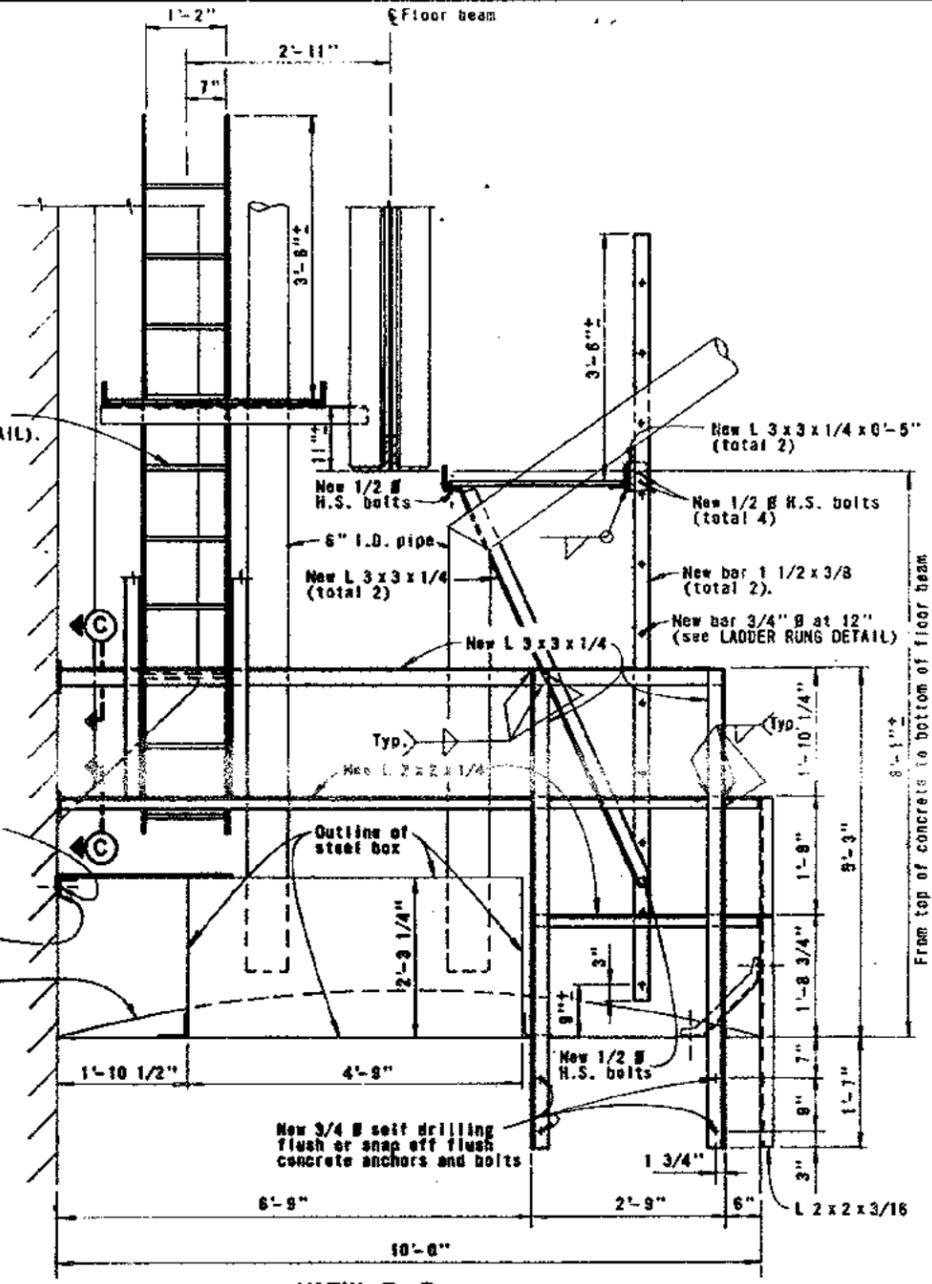
AS BUILT PLANS
 Contract No. 04-64123
 Completed No.

7-75	As built without revision.	CFC	FAR
MARK	DATE	BY	CHK.

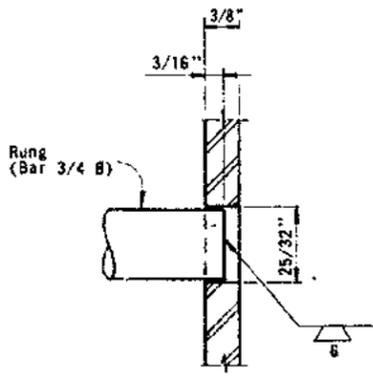
STATE OF CALIFORNIA — BUSINESS AND TRANSPORTATION AGENCY — DEPARTMENT OF PUBLIC WORKS — DIVISION OF BAY TOLL CROSSINGS	
DESIGNED BY: <i>A. Lytko</i>	CHECKED BY: <i>P. Bond</i>
DRAWN BY: <i>W. Lytko</i>	CHECKED BY: <i>A. Lytko</i>
IN CHARGE OF DESIGN: <i>Peter Bond</i>	
APPROVED: <i>W. Lytko</i>	APPROVED: DECEMBER 27, 1971
SAN FRANCISCO-OAKLAND BAY BRIDGE RECONSTRUCT EXPANSION JOINTS LOWER DECK GRATINGS	
LAYOUT AND DETAILS - PIER E4	
SCALE UNLESS NOTED: 1 1/2" = 1'-0"	DRAWING NO.: 13
	DRAWING REV.: C-64123-13 R



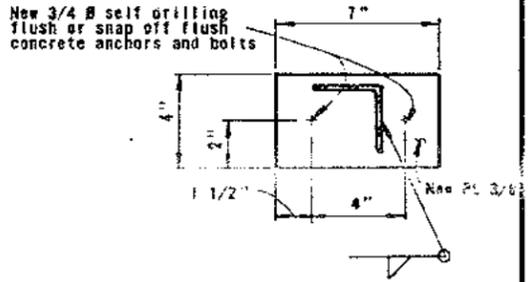
PLAN
(At Top of Guardrail)
Scale: 3/4" = 1'-0"



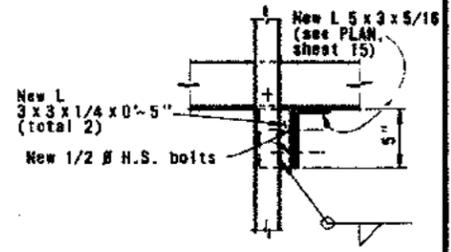
VIEW B-B
Scale: 3/4" = 1'-0"



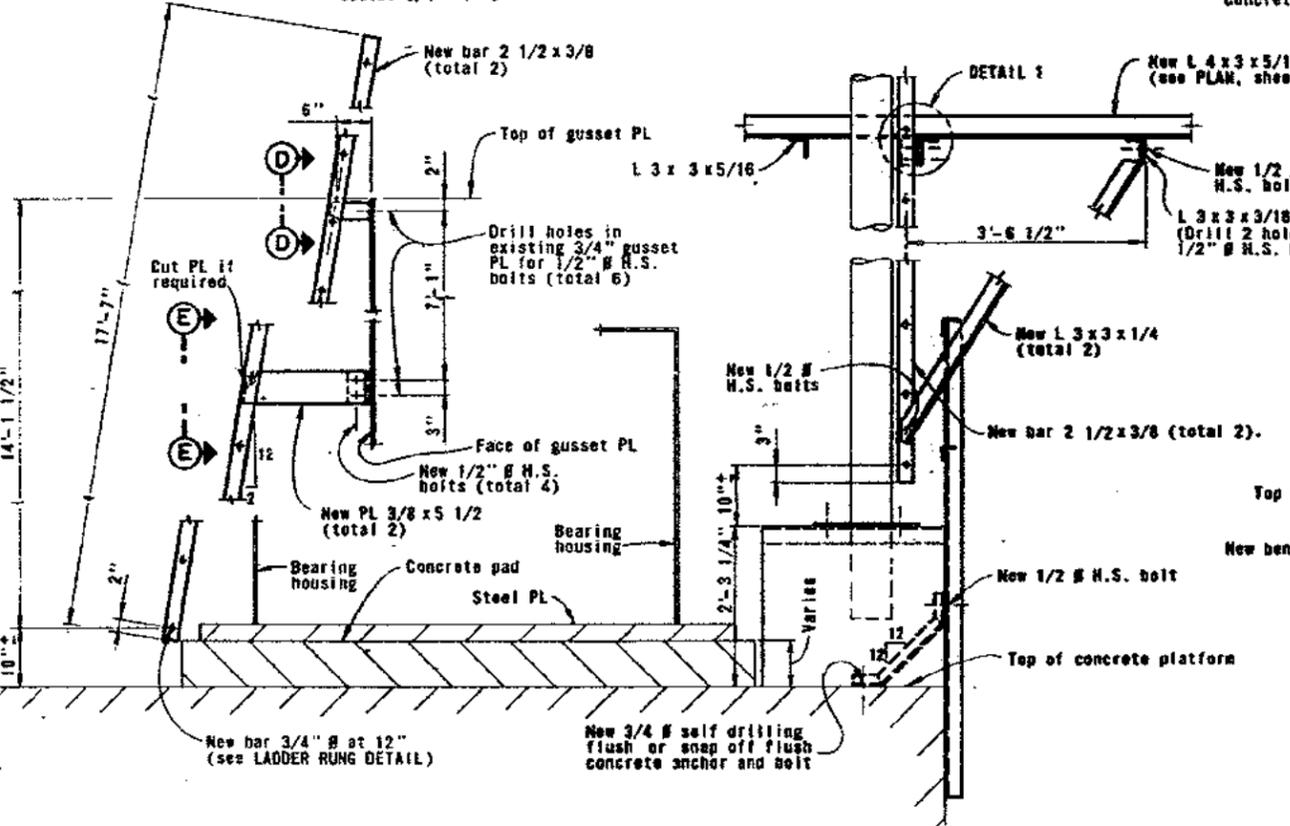
LADDER RUNG DETAIL
Full Scale



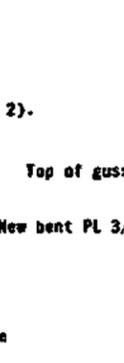
SECTION C-C
Scale: 3" = 1'-0"



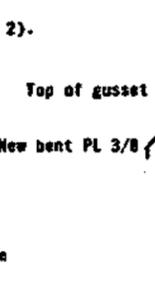
DETAIL I
Scale: 1 1/2" = 1'-0"



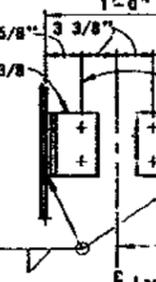
SECTION A-A
Scale: 3/4" = 1'-0"



DETAIL 1
Scale: 1 1/2" = 1'-0"



VIEW D-D
Scale: 1 1/2" = 1'-0"



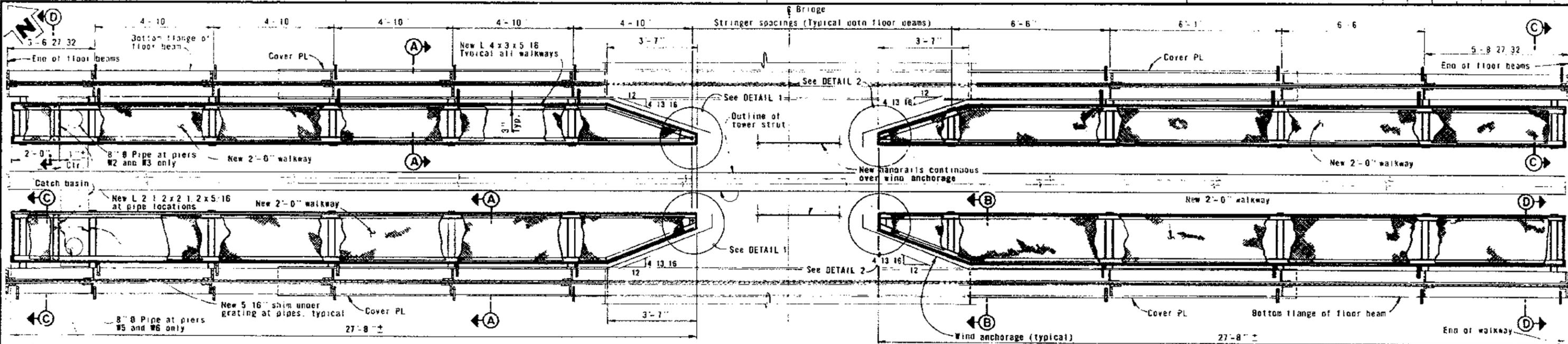
VIEW E-E
Scale: 1 1/2" = 1'-0"



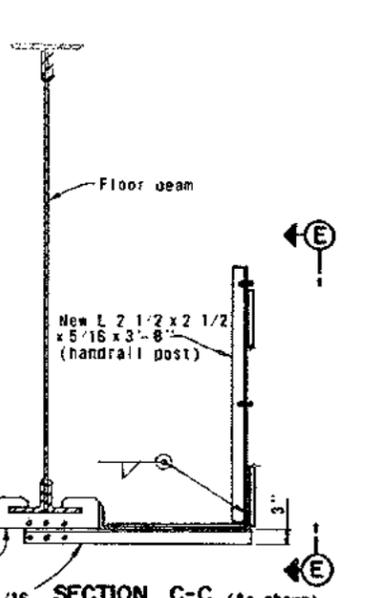
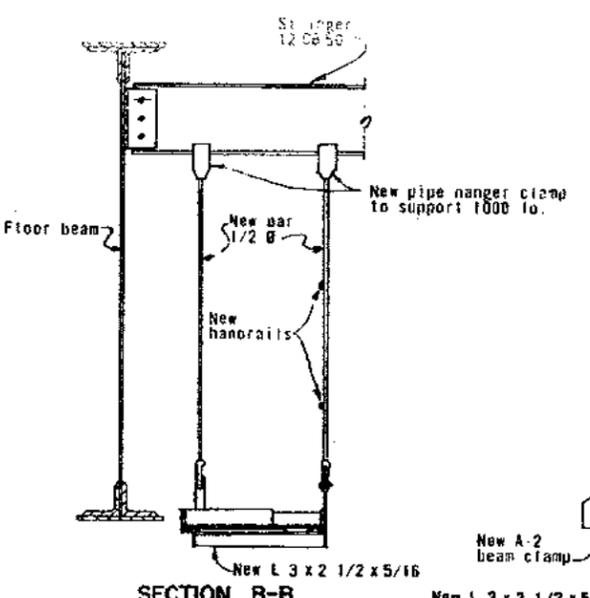
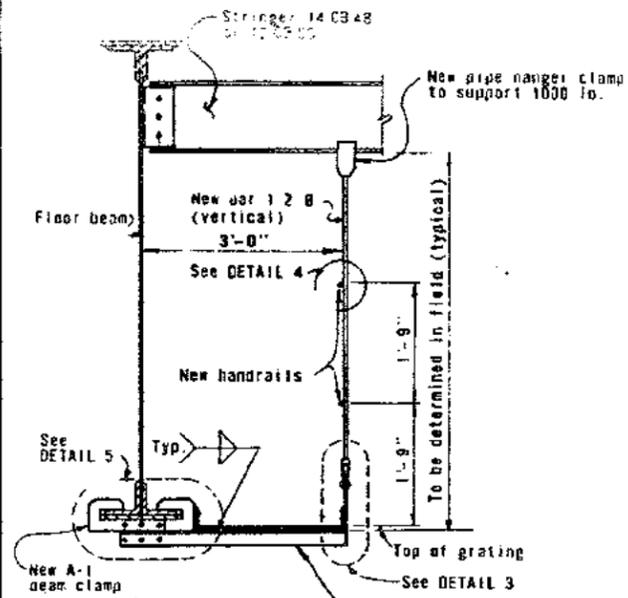
AS BUILT PLANS
04-64123

7-75	As built without revision	cfc	EAR
DATE	REVISION	BY	CHK.

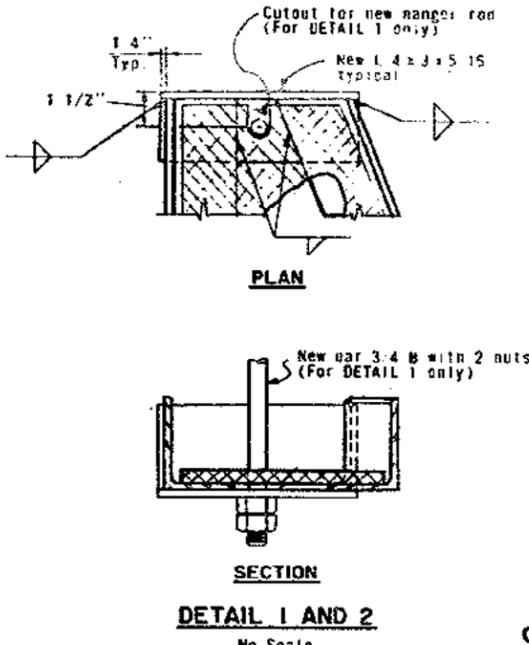
STATE OF CALIFORNIA — BUSINESS AND TRANSPORTATION AGENCY — DEPARTMENT OF PUBLIC WORKS — DIVISION OF BAY TOLL CROSSINGS			SAN FRANCISCO-OAKLAND BAY BRIDGE RECONSTRUCT EXPANSION JOINTS LOWER DECK WALKWAYS LADDER AND GUARDRAIL DETAILS - PIER W1
DESIGNED BY: <i>A. Lytle</i> CHECKED BY: <i>P. Bunch</i> DATE: 11-22 DRAWN BY: <i>H. Nichols</i> IN CHARGE OF: <i>P. Bunch</i>	APPROVED: <i>H. Nichols</i> DATE: DECEMBER 27, 1971.		
SCALE: AS NOTED SHEET NO. 16 DRAWING NO. C-64123-16 R			



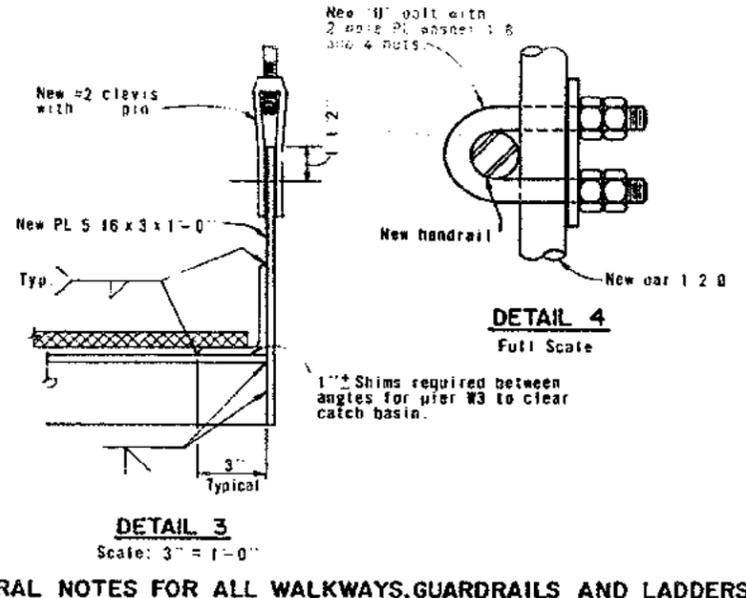
2'-0" Typ
No walkway grating in the area at pipe location (typical)
End of walkway



PLAN
Scale: 1/2" = 1'-0"

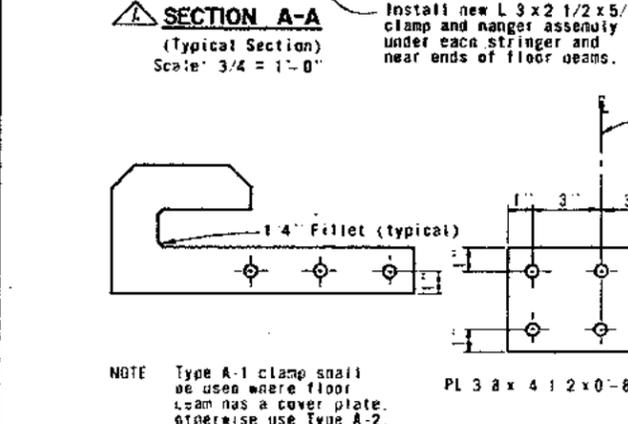


SECTION
DETAIL 1 AND 2
No Scale



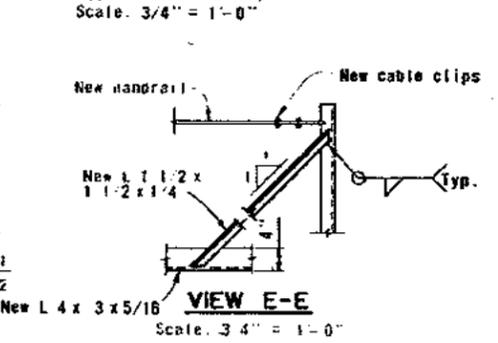
GENERAL NOTES FOR ALL WALKWAYS, GUARDRAILS AND LADDERS

1. The weight of expanded steel grating used for walkways shall be 3.0 pounds per square foot for clear spans up to and including 2'-0", and shall be 5.0 pounds per square foot for clear spans 2'-1" to 3'-6".
2. Walkway gratings shall be attached to the supporting angles as recommended by the grating manufacturer.
3. All fillet welds shall be 3/16" unless noted.
4. Handrails shall be galvanized 1/2" ϕ 1 x 19 or 1 x 7 strand.
5. Contractor shall submit any proposed splices for approval of the Engineer.
6. Bolted connections may be substituted for welded connections as approved by the Engineer.

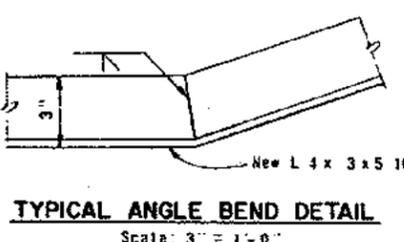


DETAIL 5
(Expanded for clarity)
Scale: 3" = 1'-0"

AS BUILT PLANS
Contract No. 04-64123



VIEW E-E
Scale: 3/4" = 1'-0"



TYPICAL ANGLE BEND DETAIL
Scale: 3" = 1'-0"

7-75	As built with revision.	CFC/FAR
DATE	REVISION	BY

STATE OF CALIFORNIA - BUSINESS AND TRANSPORTATION AGENCY - DEPARTMENT OF PUBLIC WORKS - DIVISION OF BAY TOLL CROSSINGS	
DESIGNED BY: <i>[Signature]</i>	CHECKED BY: <i>[Signature]</i>
DRAWN BY: <i>[Signature]</i>	CHECKED BY: <i>[Signature]</i>
IN CHARGE OF: <i>[Signature]</i>	APPROVED: <i>[Signature]</i>
APPROVAL RECOMMENDED: <i>[Signature]</i>	

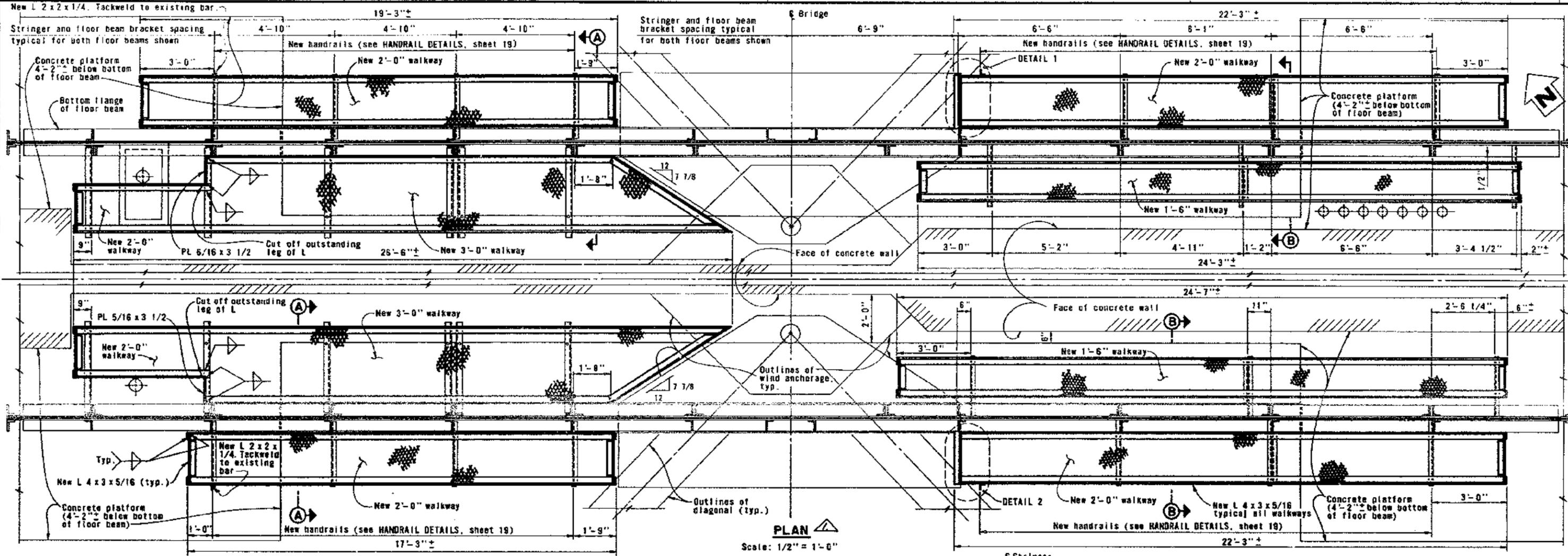


APPROVED: DECEMBER 27, 1971

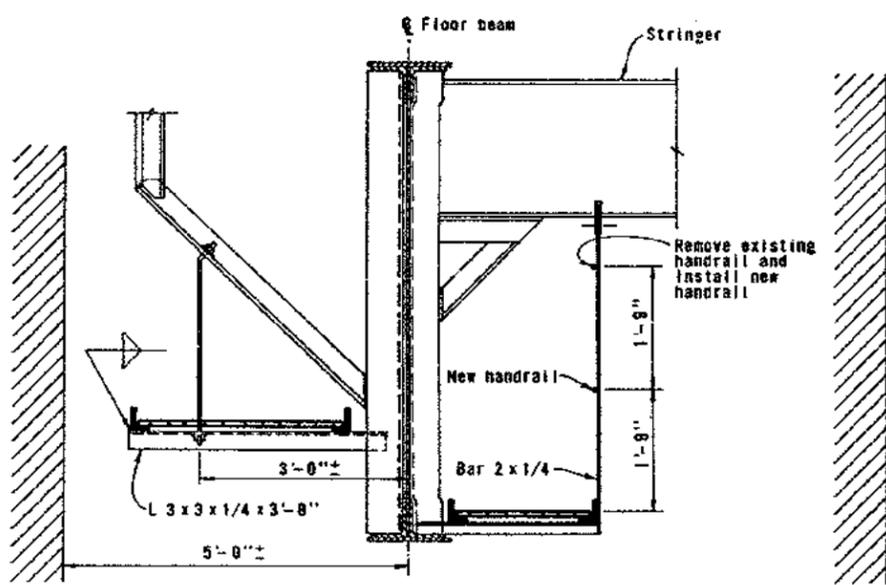
**SAN FRANCISCO-OAKLAND BAY BRIDGE
RECONSTRUCT EXPANSION JOINTS
LOWER DECK WALKWAYS**

WALKWAY DETAILS - PIERS W2, W3, W5, W6

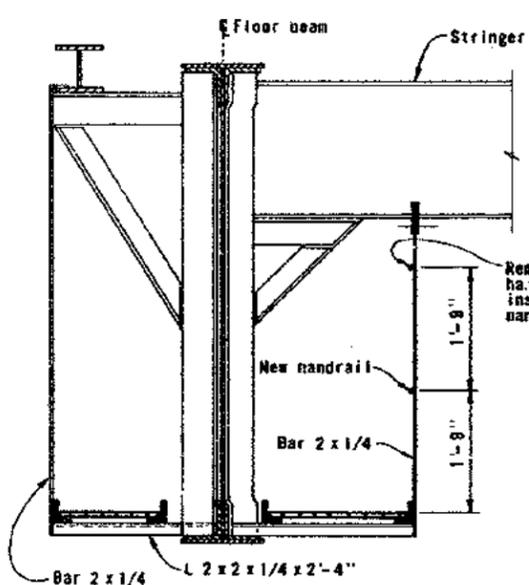
SCALE	AS NOTED	SHEET NO.	17	DRAWING NO.	C-64123-17
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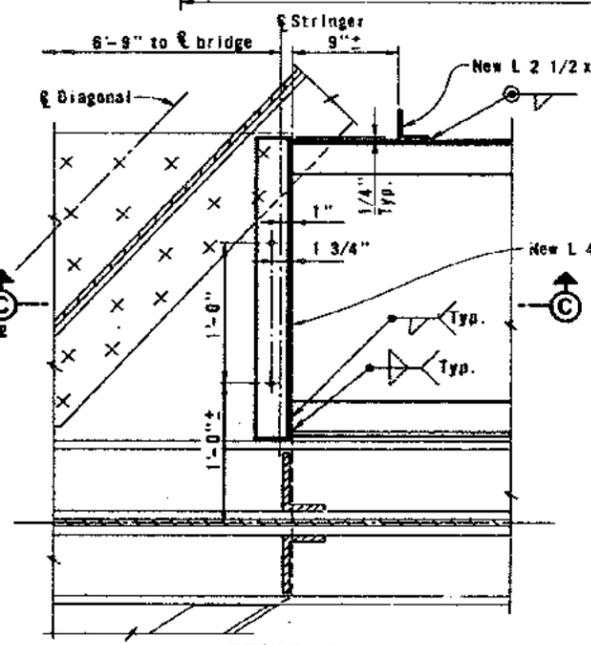
PLAN
Scale: 1/2" = 1'-0"



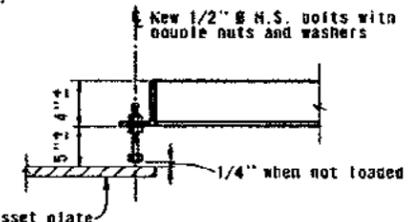
SECTION A-A
Scale: 3/4" = 1'-0"



SECTION B-B
Scale: 3/4" = 1'-0"



DETAIL 1 (As Shown)
DETAIL 2 (Opposite Hand)
Scale: 1/2" = 1'-0"



SECTION C-C
Scale: 1 1/2" = 1'-0"



AS BUILT PLANS
Contract No. 04-64123
Completed

MARK	DATE	REVISION	BY	CHK.
7-75		As built with revision.	c/c	E.A.R.

STATE OF CALIFORNIA — BUSINESS AND TRANSPORTATION AGENCY — DEPARTMENT OF PUBLIC WORKS — DIVISION OF BAY TOLL CROSSINGS	
DESIGNED BY: <i>[Signature]</i>	CHECKED BY: <i>[Signature]</i>
DRAWN BY: <i>[Signature]</i>	DATE: <i>[Signature]</i>
IN CHARGE OF DESIGN: <i>[Signature]</i>	
APPROVAL RECOMMENDED: <i>[Signature]</i>	
APPROVED: <i>[Signature]</i> DECEMBER 27, 1971	



APPROVED: DECEMBER 27, 1971

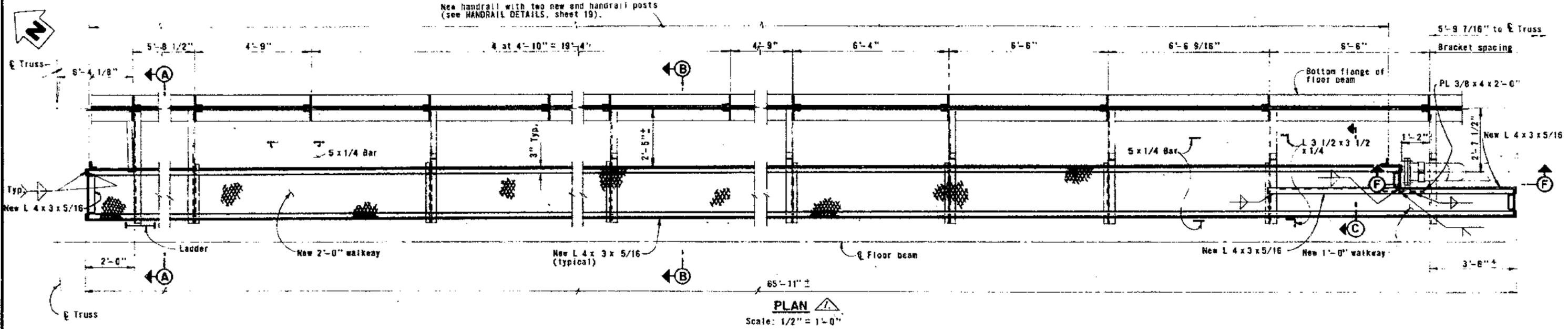
SAN FRANCISCO - OAKLAND BAY BRIDGE
RECONSTRUCT EXPANSION JOINTS

LOWER DECK WALKWAYS

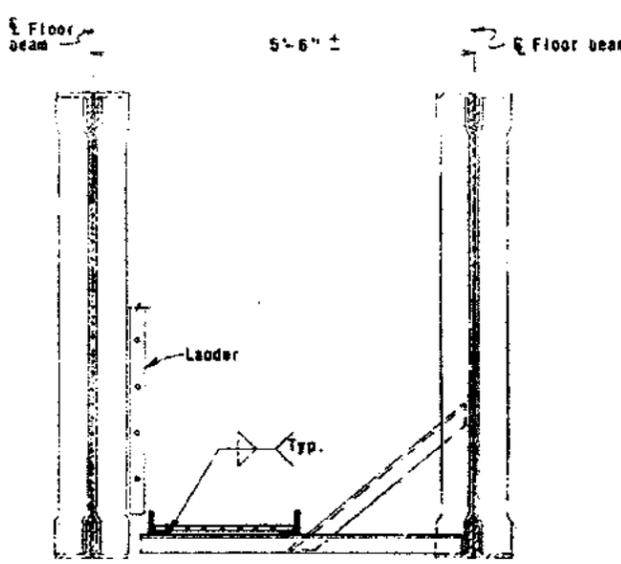
WALKWAY DETAILS - PIER W4

SCALE: AS NOTED	SHEET NO: 18	DRAWING NO: C-64123-18 R
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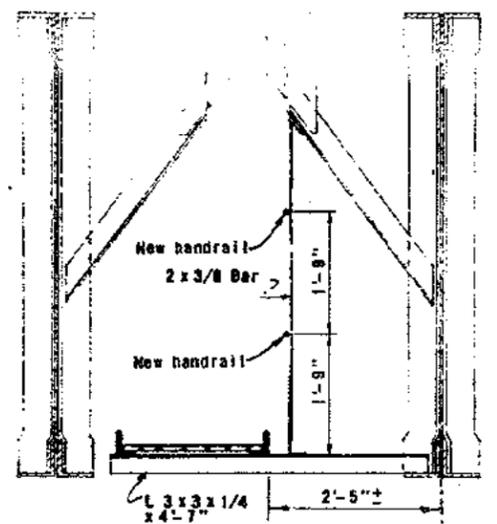
New handrail with two new end handrail posts
(see HANDRAIL DETAILS, sheet 19).



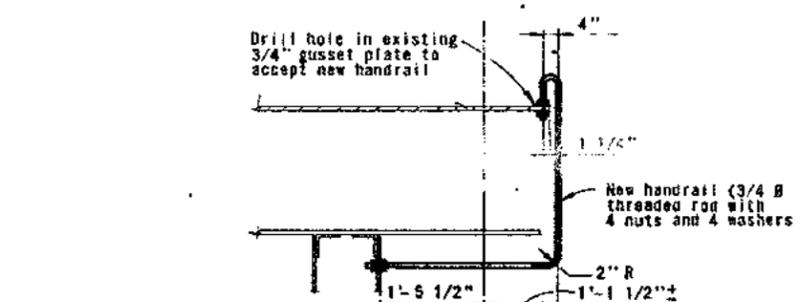
PLAN
Scale: 1/2" = 1'-0"



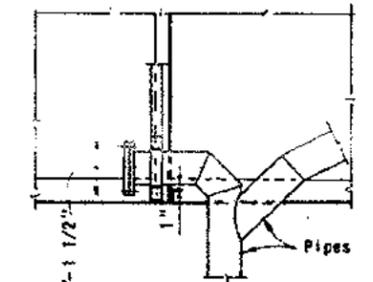
SECTION A-A
(End Section)
Scale: 3/4" = 1'-0"



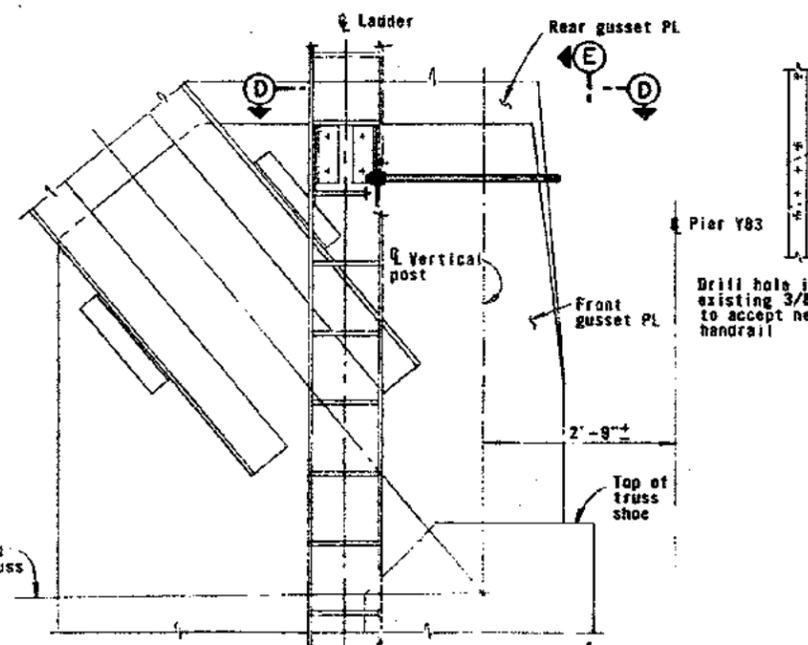
SECTION B-B
(Typical Section)
Scale: 3/4" = 1'-0"



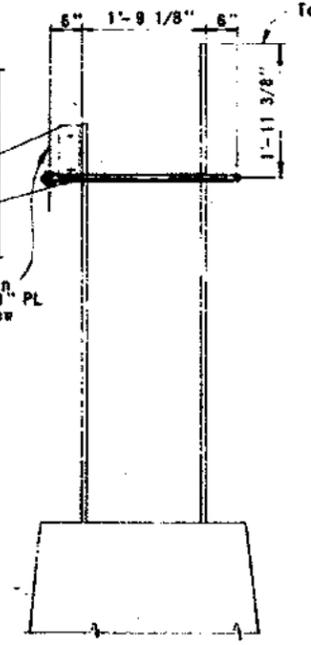
SECTION D-D



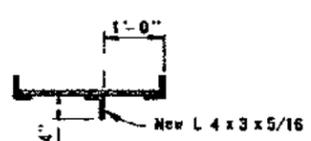
SECTION F-F
Scale: 1/2" = 1'-0"



SOUTH ELEVATION



VIEW E-E



SECTION C-C
Scale: 3/4" = 1'-0"

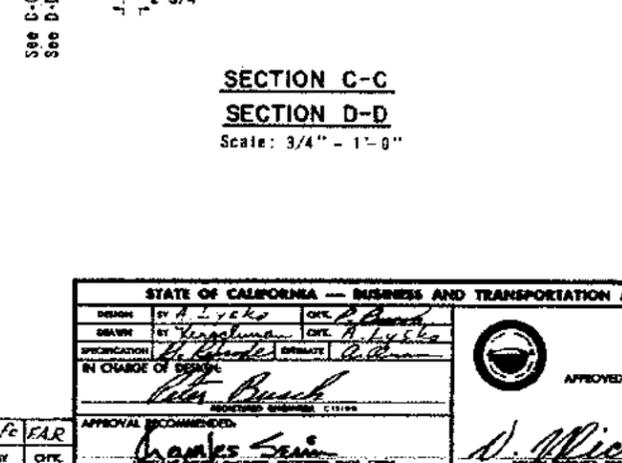
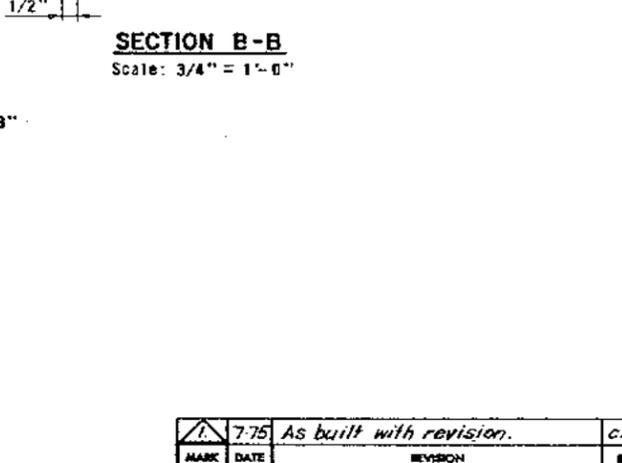
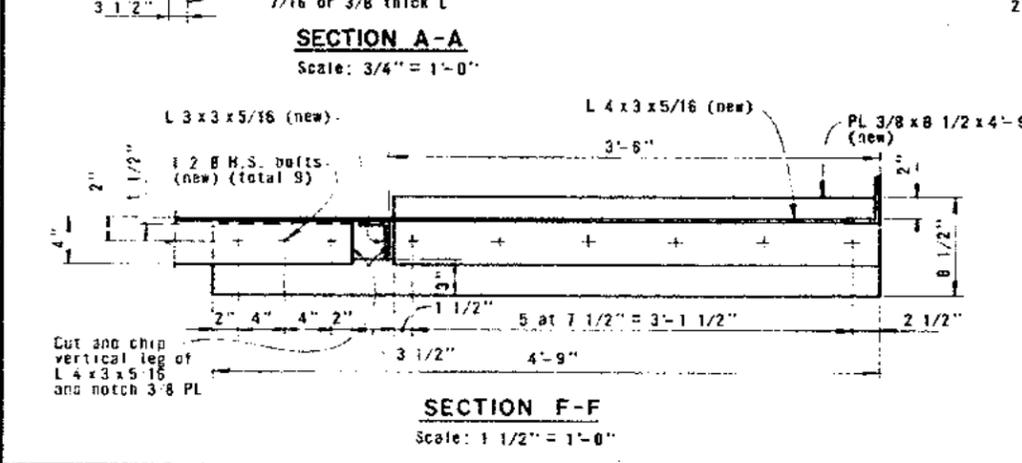
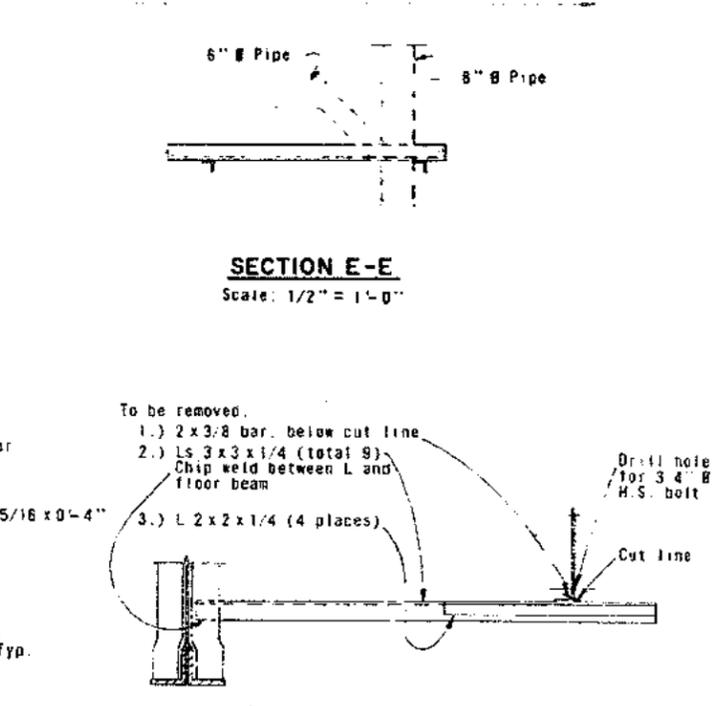
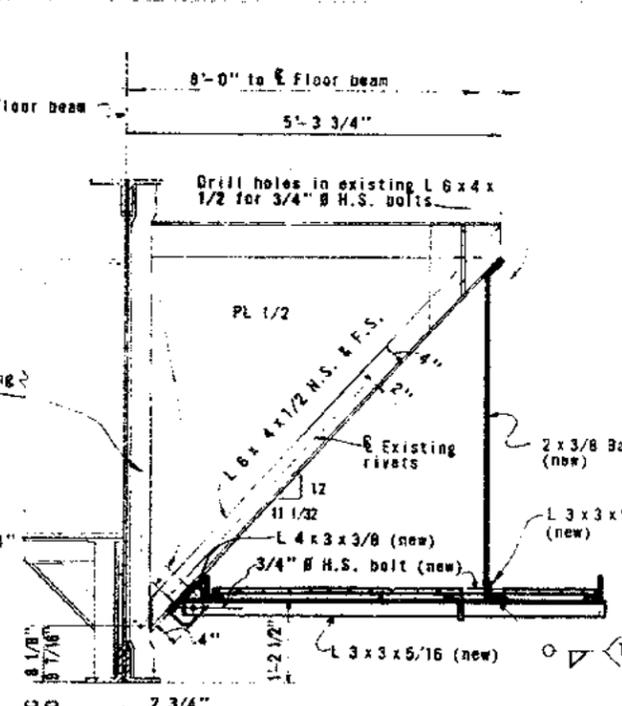
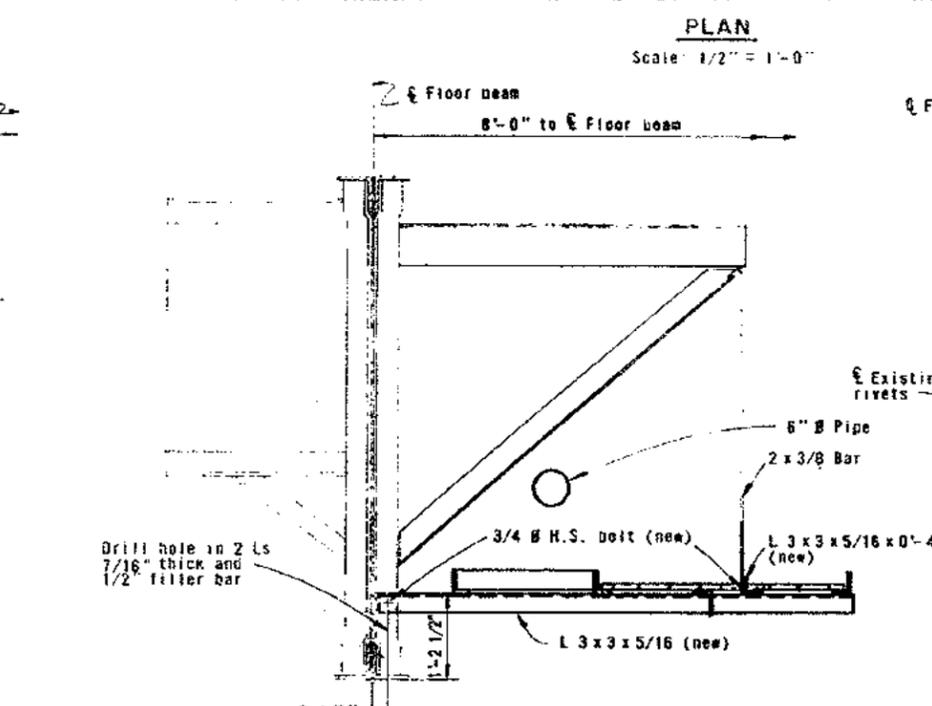
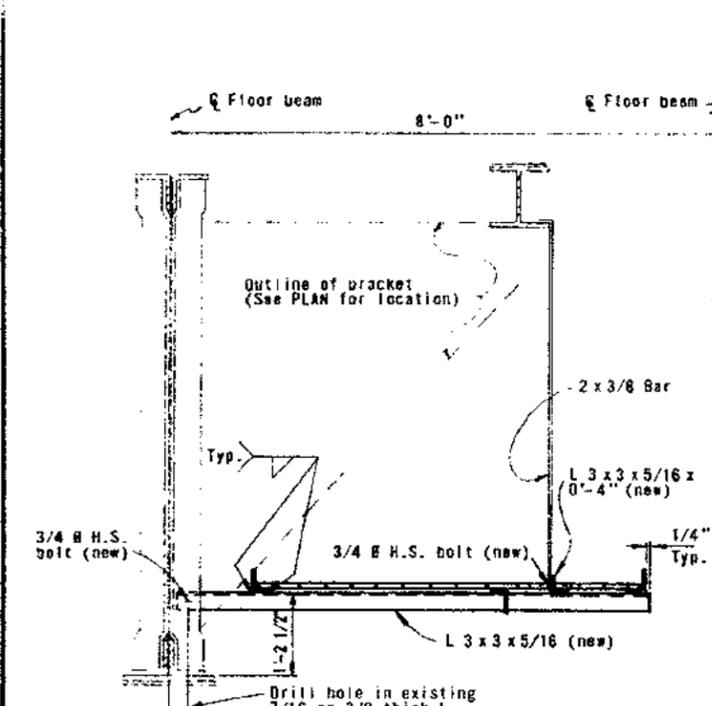
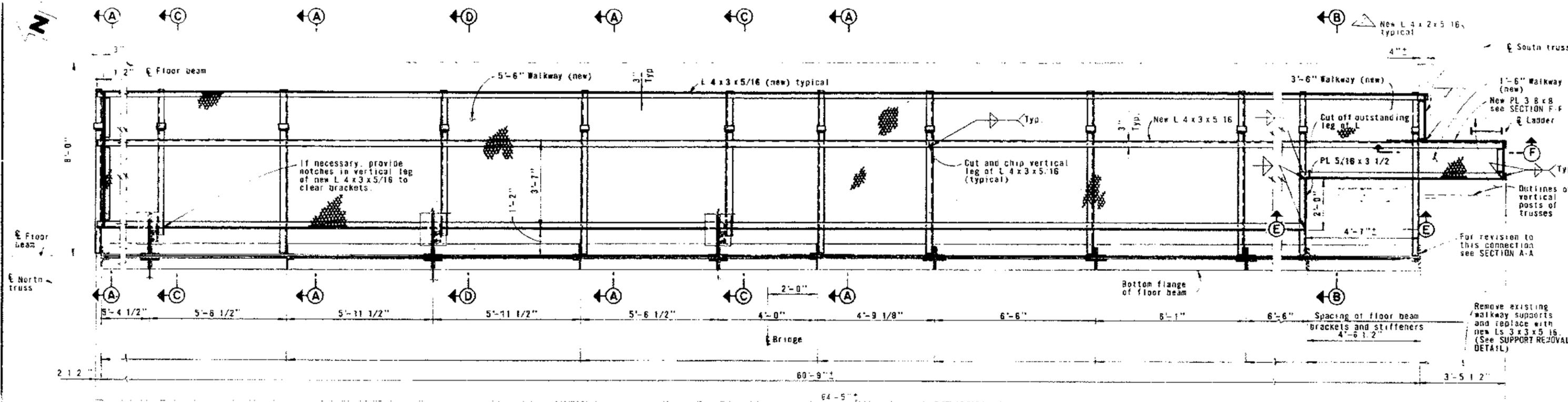
TRUSS HANDRAIL DETAILS
Scale: 3/4" = 1'-0"



AS BUILT PLANS
Contract No. 04-64123
Date Completed _____
Document No. _____

7-75	As built with revision.	Cfc	FAR
DATE	REVISION	BY	CHK.

STATE OF CALIFORNIA — BUSINESS AND TRANSPORTATION AGENCY — DEPARTMENT OF PUBLIC WORKS — DIVISION OF BAY TOLL CROSSINGS			
DESIGN BY: <i>A. L. ...</i>	CHK: <i>P. ...</i>		
DRAWN BY: <i>...</i>	CHK: <i>A. ...</i>		
SPECIFICATION BY: <i>...</i>	CHK: <i>...</i>		
IN CHARGE OF DESIGN: <i>Pete ...</i>			
APPROVAL RECOMMENDED: <i>Charles ...</i>			
APPROVED DECEMBER 27, 1971		<i>D. ...</i>	
SAN FRANCISCO - OAKLAND BAY BRIDGE RECONSTRUCT EXPANSION JOINTS LOWER DECK WALKWAYS			
WALKWAY DETAILS - PIER YB 3			
SCALE AS NOTED	SHEET NO. 20	DRAWING NO. C-64123-20 R	



STATE OF CALIFORNIA — BUSINESS AND TRANSPORTATION AGENCY — DEPARTMENT OF PUBLIC WORKS — DIVISION OF BAY TOLL CROSSINGS

DESIGN BY *A. Lycko* CHECKED BY *P. Bush*
 DRAWN BY *Y. S. S. S.* CHECKED BY *A. Lycko*
 SPECIFICATION BY *H. H. H.* ESTIMATE BY *P. Bush*
 IN CHARGE OF DESIGN *Peter Bush*

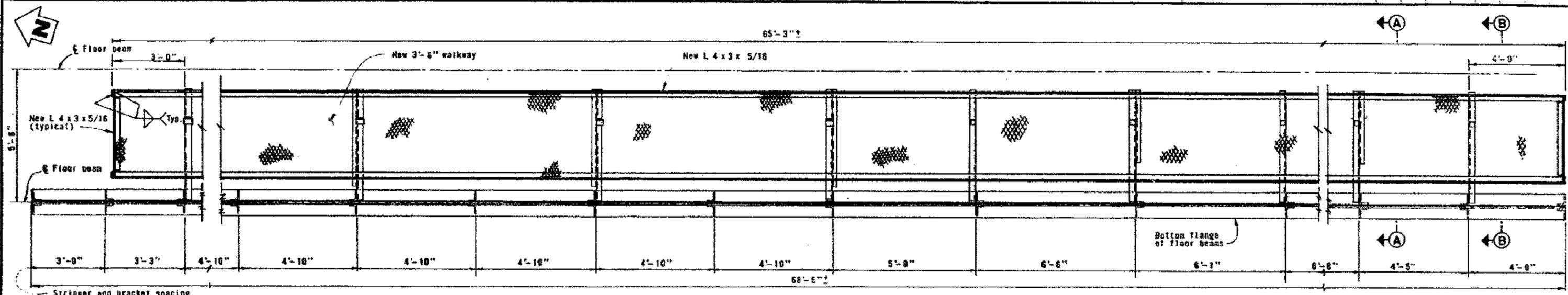
APPROVED: DECEMBER 27, 1971

**SAN FRANCISCO - OAKLAND BAY BRIDGE
RECONSTRUCT EXPANSION JOINTS
LOWER DECK WALKWAYS**

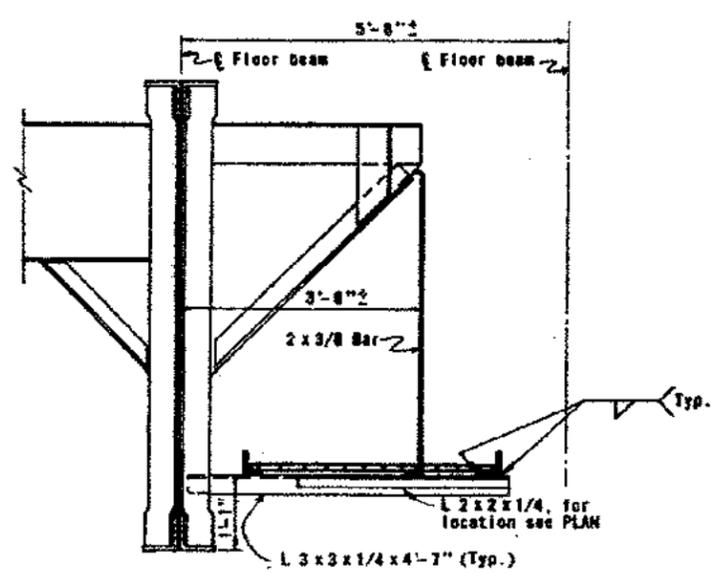
WALKWAY DETAILS - PIER E4

SCALE AS NOTED SHEET NO. 21 DRAWING NO. C-64123-21 B

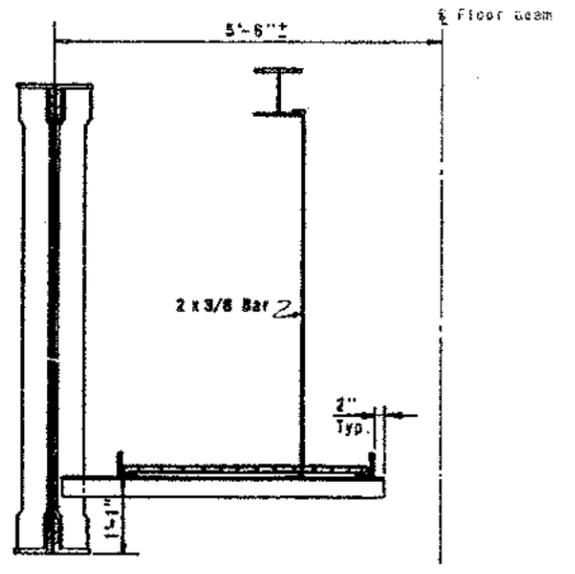
MARK	DATE	REVISION	BY	CHECKED
1	7-75	As built with revision.	c/fc	EAR



PLAN
Scale: 1/2" = 1'-0"



SECTION A-A
Scale: 3/4" = 1'-0"

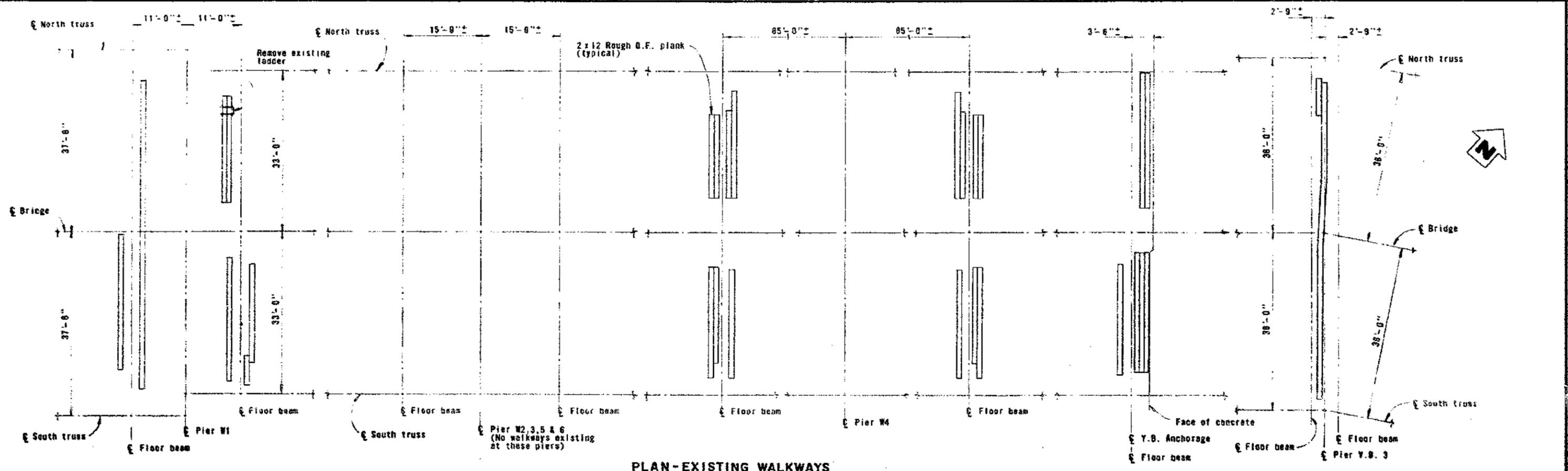


SECTION B-B
Scale: 3/4" = 1'-0"

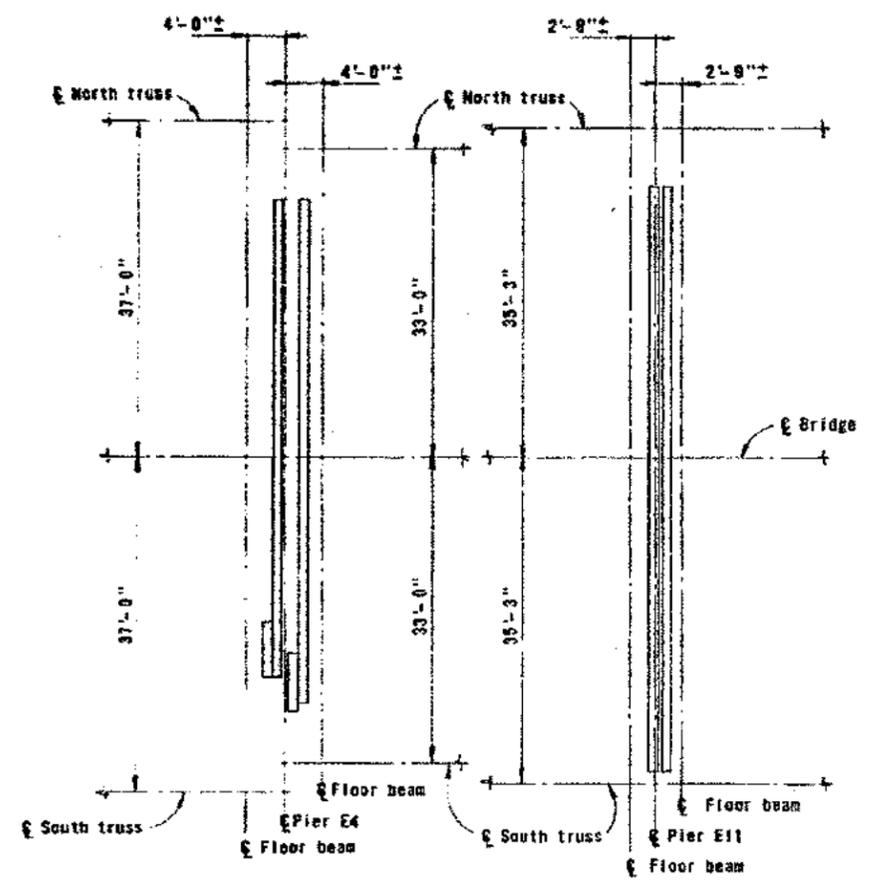
AS BUILT PLANS
Contract No. 04-64123
Completed

7-75	As built without revision	CFC/GAE
NAME	DATE	BY

STATE OF CALIFORNIA — BUSINESS AND TRANSPORTATION AGENCY — DEPARTMENT OF PUBLIC WORKS — DIVISION OF BAY TOLL CROSSINGS		<p>APPROVED DECEMBER 27, 1971</p> <p><i>W. P. ...</i></p>	<p>SAN FRANCISCO-OAKLAND BAY BRIDGE RECONSTRUCT EXPANSION JOINTS LOWER DECK WALKWAYS</p> <p>WALKWAY DETAILS-PIER E11</p>
DESIGNED BY <i>A. Lyke</i>	CHECKED BY <i>P. ...</i>		
DRAWN BY <i>...</i>	CHECKED BY <i>...</i>	SHEET NO. 22	DRAWING NO. C-64123-22 R
IN CHARGE OF <i>...</i>	APPROVAL RECOMMENDED <i>...</i>		



PLAN-EXISTING WALKWAYS



PLAN-EXISTING WALKWAYS

NOTES

- Existing walkways consist of one or more 2 x 12 rough D.F. planks attached to support angles.
- Remove timber planks only. Support angles to remain unless otherwise noted on preceding sheets.



AS BUILT PLANS
NO 04-64123

7-75	As built without revision	CFC	RAR
MARK	DATE	BY	CHK.

STATE OF CALIFORNIA — BUSINESS AND TRANSPORTATION AGENCY — DEPARTMENT OF PUBLIC WORKS — DIVISION OF BAY TOLL CROSSINGS			
DESIGN BY	<i>R. L. ...</i>	CHK.	<i>A. L. ...</i>
CHECKED BY	<i>R. ...</i>	CHK.	<i>A. ...</i>
IN CHARGE OF DESIGN	<i>Peter ...</i>	APPROVED	<i>H. ...</i>
APPROVAL RECOMMENDED BY		APPROVED: DECEMBER 27, 1971	
<i>Charles ...</i>		<i>H. ...</i>	
SAN FRANCISCO - OAKLAND BAY BRIDGE RECONSTRUCT EXPANSION JOINTS LOWER DECK WALKWAYS			
WALKWAY AND LADDER REMOVAL			
SCALE	1" = 10'-0"	SHEET NO.	23
		DRAWING NO.	C-64123-23 R