East Bay Traveling Scaffold Rail Improvements (Contract No. 04-029404)

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. Elevation and Cross Section
3. New Rail Layout and Details
4. Existing Scaffold Rail Details
5. Existing Scaffold Rail Modification

DIST	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	8.0/8.8	1	5
	ALA	80	0.0/1.1		

CHIEF, OFFICE OF OFFICE ENGINEER
REGISTERED CIVIL ENGINEER No. 8187

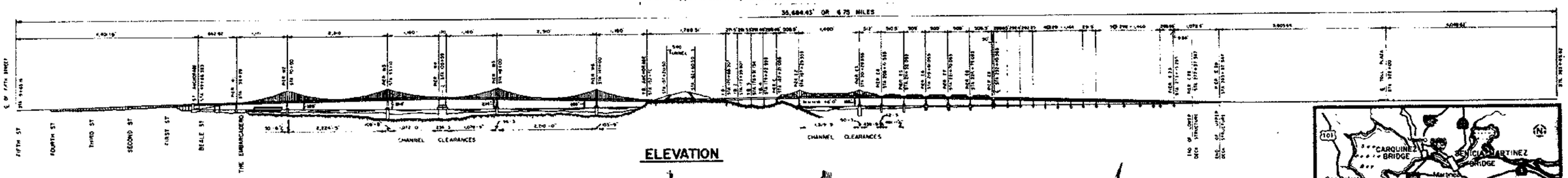
Approved October 11, 1977

STATE OF CALIFORNIA
BUSINESS AND TRANSPORTATION AGENCY

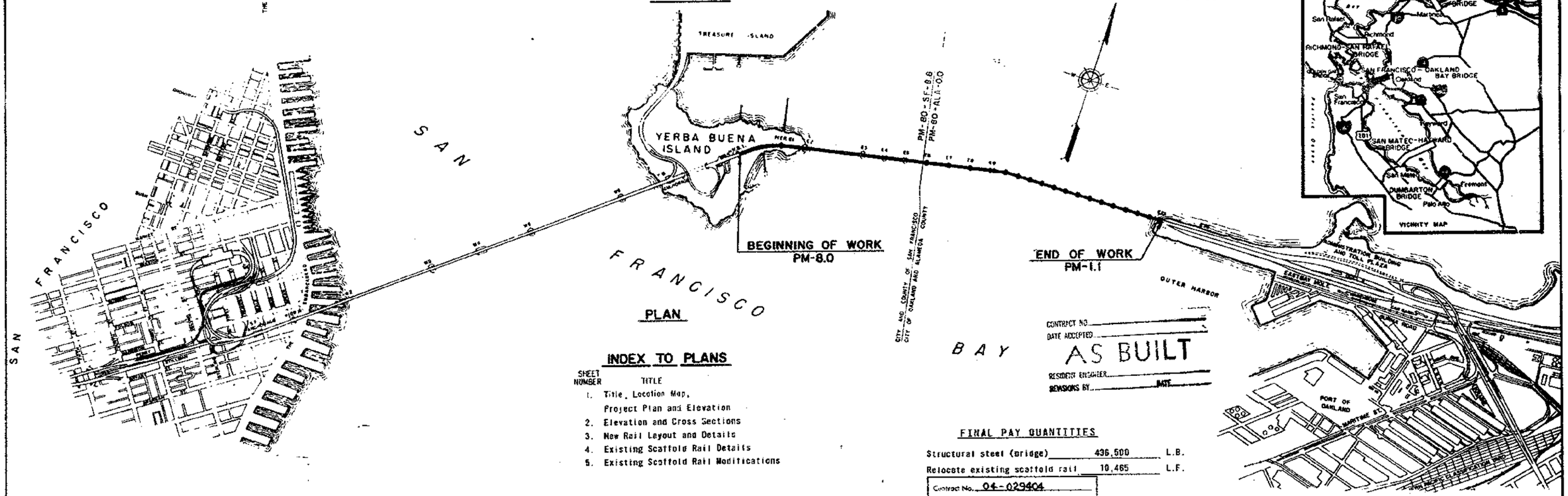
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY

IN SAN FRANCISCO AND ALAMEDA COUNTIES
IN SAN FRANCISCO AND OAKLAND ON THE
SAN FRANCISCO - OAKLAND BAY BRIDGE
to be supplemented by Standard Plans dated March, 1977



ELEVATION



PLAN

CONTRACT NO.
DATE ACCEPTED
AS BUILT
RESIDENT ENGINEER
REVISIONS BY DATE

INDEX TO PLANS

SHEET NUMBER	TITLE
1.	Title, Location Map, Project Plan and Elevation
2.	Elevation and Cross Sections
3.	New Rail Layout and Details
4.	Existing Scaffold Rail Details
5.	Existing Scaffold Rail Modifications

FINAL PAY QUANTITIES

Structural steel (bridge)	436,500	L.B.
Relocate existing scaffold rail	10,465	L.F.

Contract No. 04-029404
Date Accepted Dec 19, 1978
As Built without revision
Resident Engineer S. COOPER
Revision By F.T. PEYTON Date 12-19-78

MARK	DATE	REVISION	BY	CHK.
1	8-83	As built without revision	cfc	

CONTRACT NO. 04-029404

STATE OF CALIFORNIA — BUSINESS AND TRANSPORTATION AGENCY — DEPARTMENT OF TRANSPORTATION

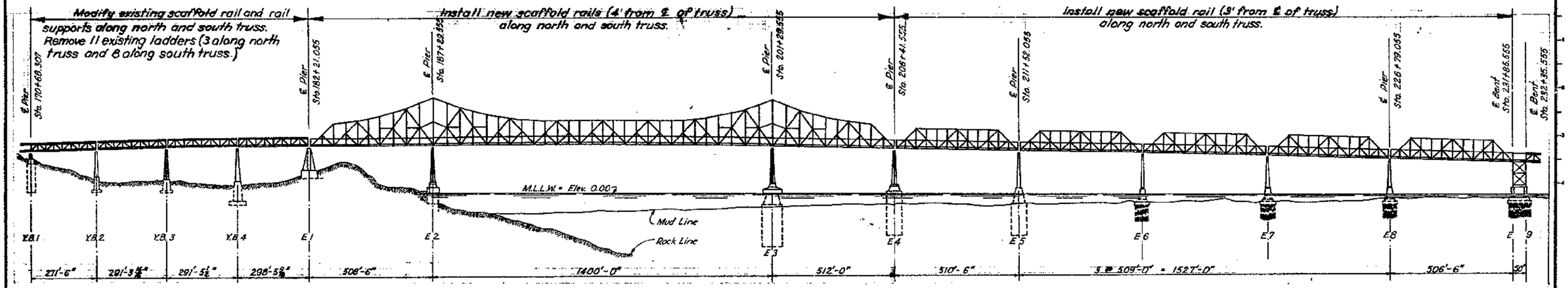
DESIGN BY T. Jee
SPECIFICATIONS BY Arthur J. Cuckerzo Jr.
ESTIMATES BY [illegible]
APPROVAL RECOMMENDED
Charles Sein
CHIEF - ENGINEERING BRANCH REGISTERED ENGINEER C7938

APPROVED 6-10-77
Vernon J. Rickey
DEPUTY DISTRICT DIRECTOR REGISTERED ENGINEER C7167

SAN FRANCISCO-OAKLAND BAY BRIDGE
EAST BAY TRAVELING SCAFFOLD RAIL IMPROVEMENTS

PROJECT PLAN AND ELEVATION

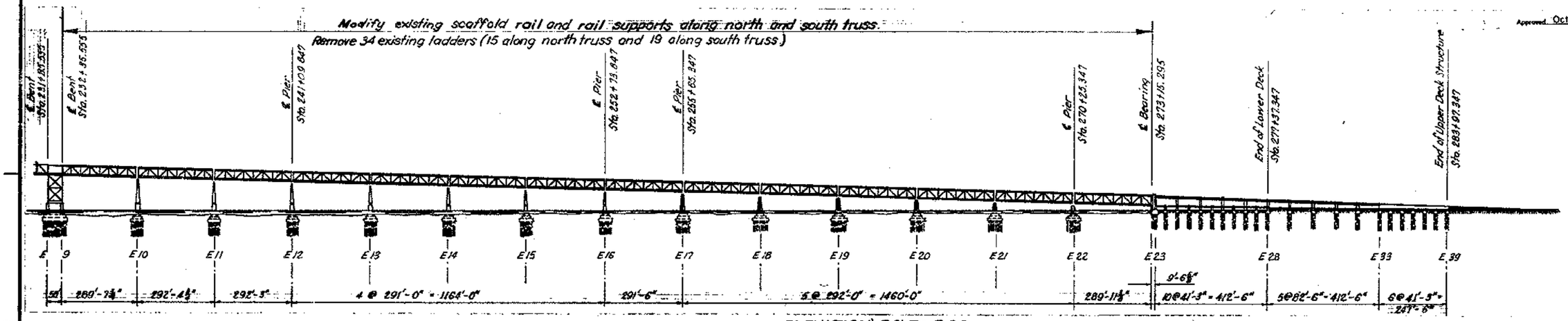
SCALE 1" = 1160' | SHEET NO. 1 | DRAWING NO. 04-029404-1 R



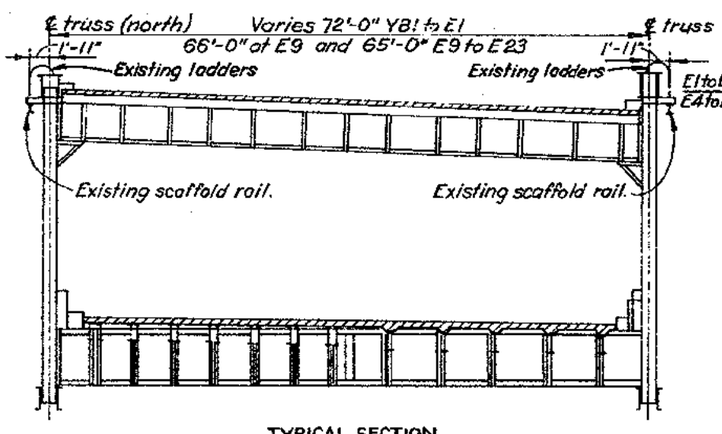
ELEVATION YB1 TO E9

DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	8.0/8.8	2	5
	ALA	80	0.0/1.1		

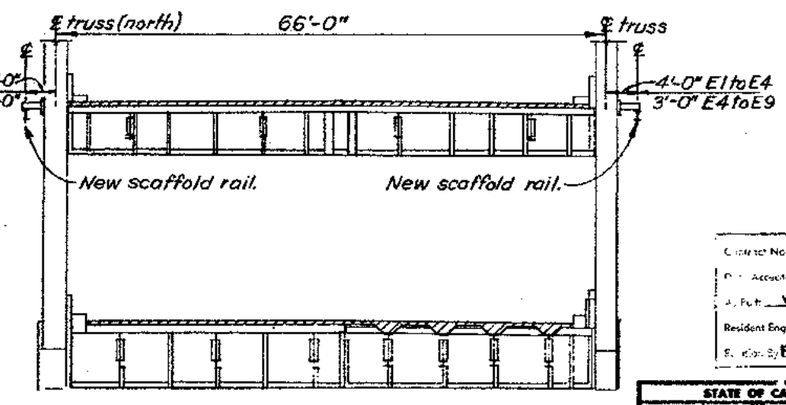
Approved October 11, 1977



ELEVATION E9 TO E39



TYPICAL SECTION
Piers YB1 to E1 and E9 to E23
No Scale



TYPICAL SECTION
Piers E1 to E9
No Scale

GENERAL NOTES

1. Contractor shall verify, by field check, all pertinent dimensions of existing structural members as required prior to fabrication.
2. Dimensions of existing structural members as shown on all drawings are from original shop drawings. These drawings are available upon request.
3. Workmanship for new rail installation and existing rail modification shall conform to good standard practice for overhead crane rails.
4. Provide shims for proper alignment of new rails or existing rails as required.
5. All threaded fasteners shall be high strength (ASTM-A325) except as noted.
6. Tolerances for welded rails shall conform to standard mill practice for rolled beams.
7. Design load of the new rails is a 2,500 lbs. concentrated load placed in any one span.

Contract No. 04-029404
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As Built without revision
Resident Engineer S. COOPER
Revision By F.T. PEYTON Date 12-19-78

MARK	DATE	REVISION	BY	CHK.
1	8-83	As built without revision	cfc	

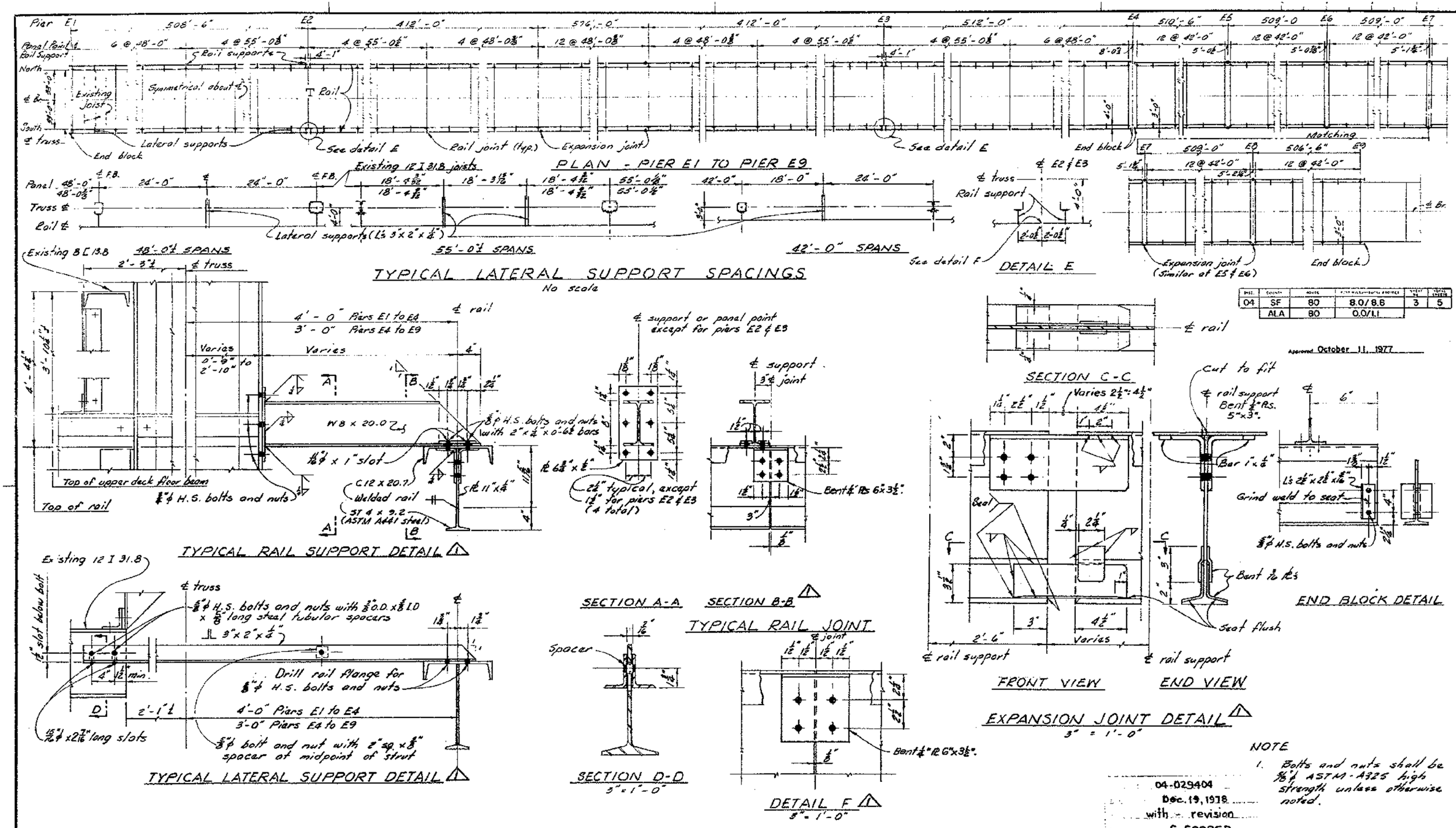
STATE OF CALIFORNIA — BUSINESS AND TRANSPORTATION AGENCY — DEPARTMENT OF TRANSPORTATION

DESIGN BY T. Jee CHK. [illegible]
DRAWN BY C.F. CIELOHA CHK. T. Jee
SPECIFICATION [illegible] ESTIMATE [illegible]
IN CHARGE OF DESIGN: T. Jee
REGISTERED ENGINEER C15010

Caltrans APPROVED 6-10-77
S. Larsen
REGISTERED ENGINEER C12132

SAN FRANCISCO-OAKLAND BAY BRIDGE
EAST BAY TRAVELING SCAFFOLD RAIL IMPROVEMENTS
ELEVATION AND CROSS SECTION

SCALE No Scale | SHEET NO. 2 | DRAWING NO. 04-029404-2 R



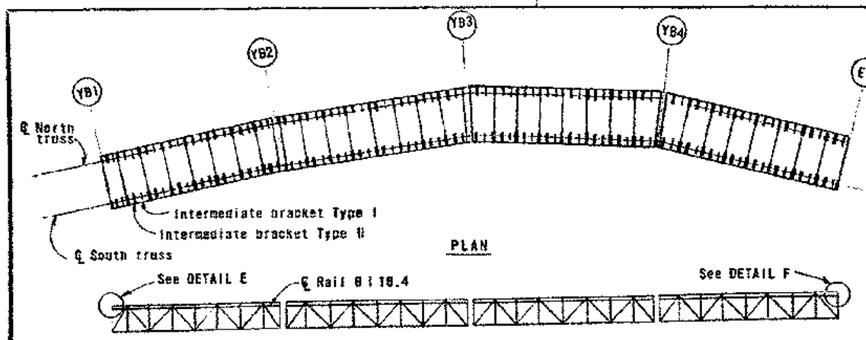
DIST.	COUNTY	ROUTE	TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	8.0/8.6	3	5
	ALA	80	0.0/1.1		

NOTE

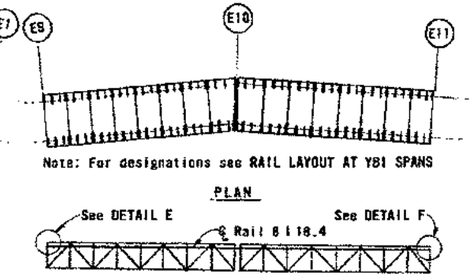
1. Bolts and nuts shall be 3/4" ϕ ASTM-A325 high strength unless otherwise noted.

DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	80	8.0/8.8	4	5
	ALA	80	0.0/1.1		

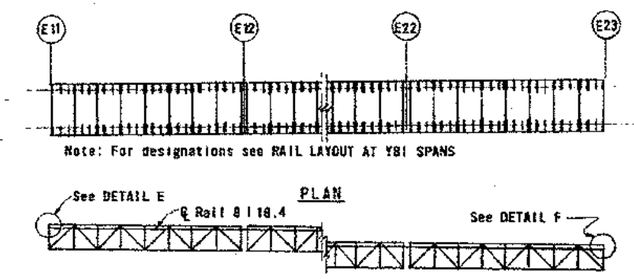
Approved October 11, 1977



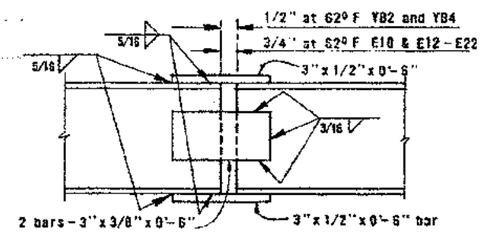
RAIL LAYOUT AT YB1 - E1 SPANS



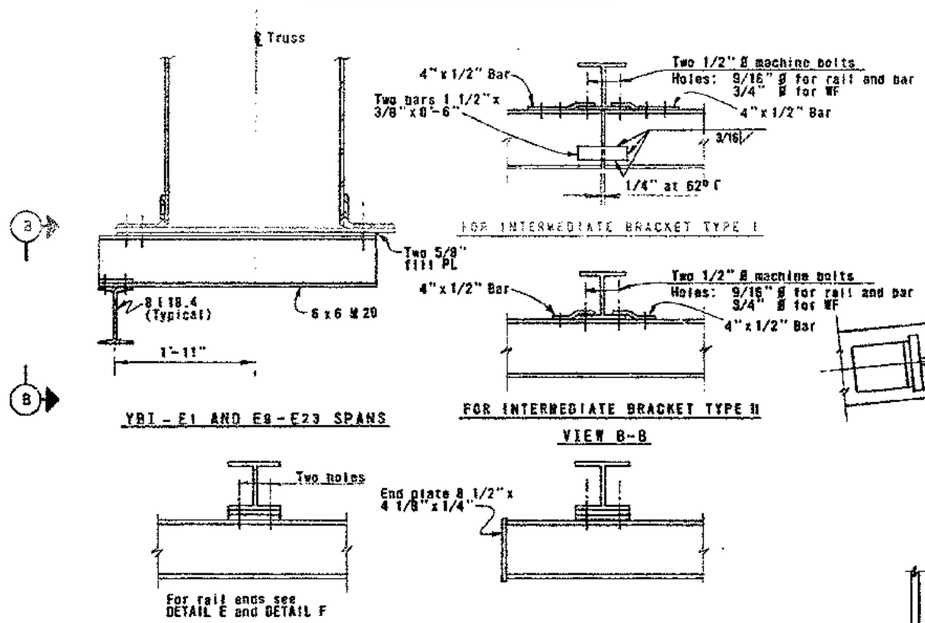
RAIL LAYOUT AT E9-E11 SPANS

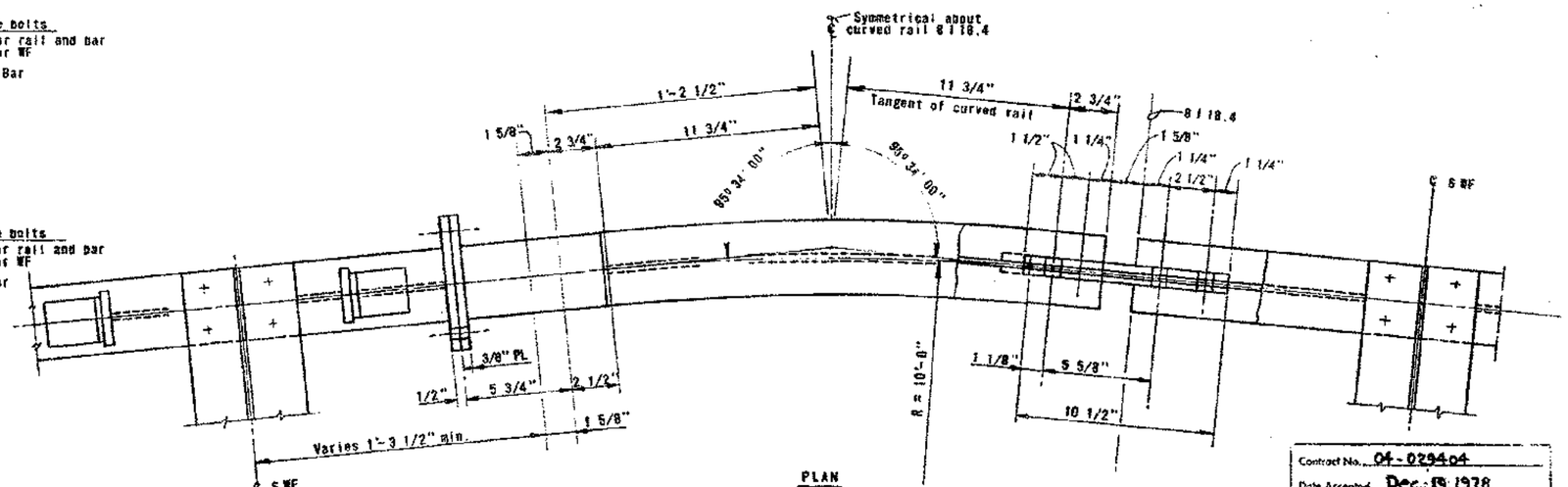


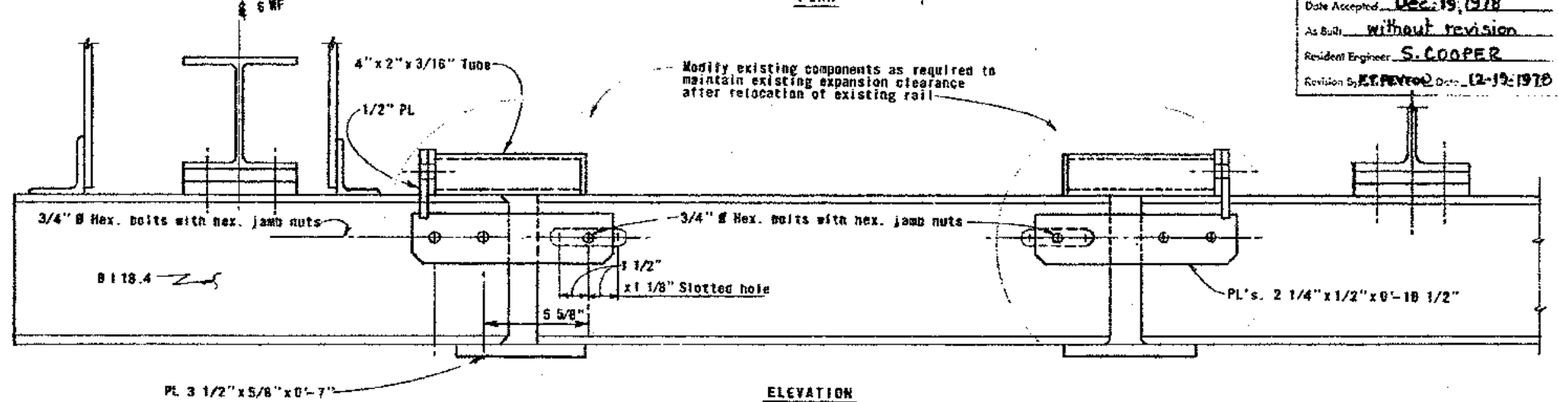
RAIL LAYOUT AT E11-E23 SPANS



RAIL DETAILS AT PIERS
Typical except Pier YB3
Scale: 3" = 1'-0"

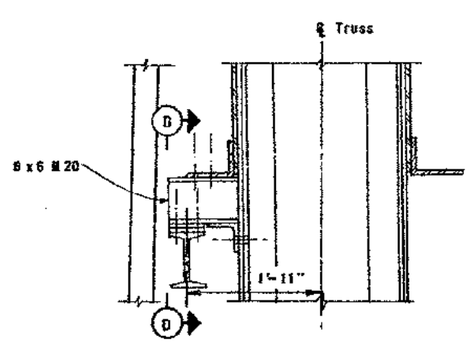






EXPANSION JOINT DETAIL PIER YB3

Contract No. 04-029404
Date Accepted Dec. 19, 1978
As Built without revision
Resident Engineer S. COOPER
Revision By E.T. PEYTON Date 12-19-1978



PANEL POINT BRACKET
Scale: 1 1/2" = 1'-0"

AS BUILT PLANS
Contract No. 04-029404
Date Completed
Document No.

MARK	DATE	REVISION	BY	CHK.
1	8-83	As built without revision	cfr	

STATE OF CALIFORNIA — BUSINESS AND TRANSPORTATION AGENCY — DEPARTMENT OF TRANSPORTATION

DESIGN BY T. Dunn CHK. R. Lemenager
DRAWN BY E.P. CELOHA CHK. T. Dunn
SPECIFICATION R. Lindberg ESTIMATE R. Rosenberg
IN CHARGE OF DESIGN T. Dunn REGISTERED ENGINEER CIVIL

APPROVED 6-10-77
S. Larsen REGISTERED ENGINEER CIVIL

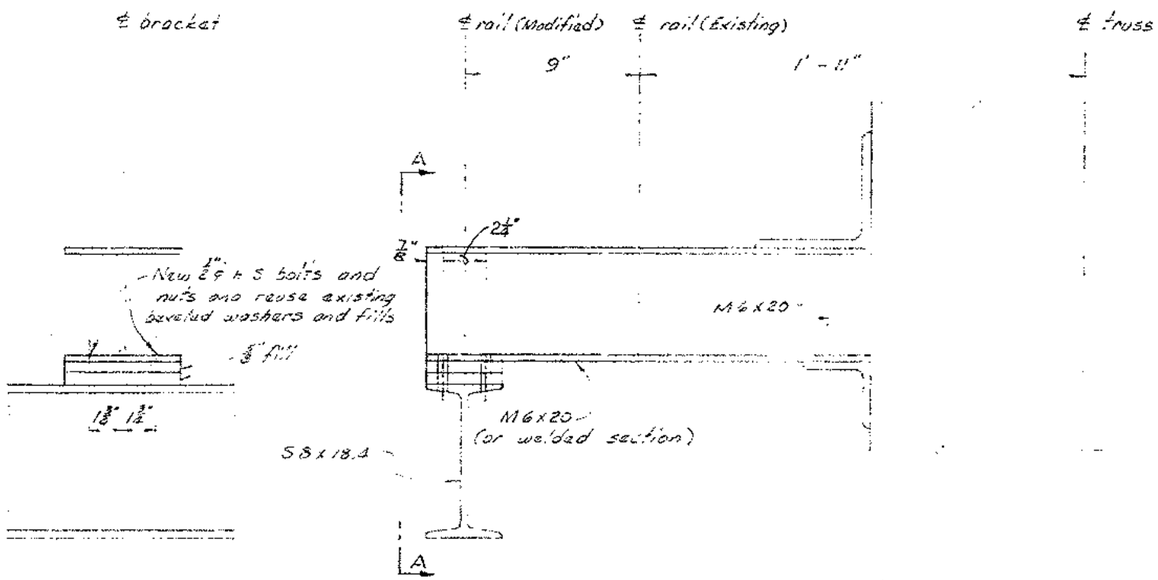
SAN FRANCISCO-OAKLAND BAY BRIDGE
EAST BAY TRAVELING SCAFFOLD RAIL IMPROVEMENTS

EXISTING SCAFFOLD RAIL DETAILS

SCALE UNLESS NOTED 3" = 1'-0" | SHEET NO. 4 | DRAWING NO. 04-029404-4 R

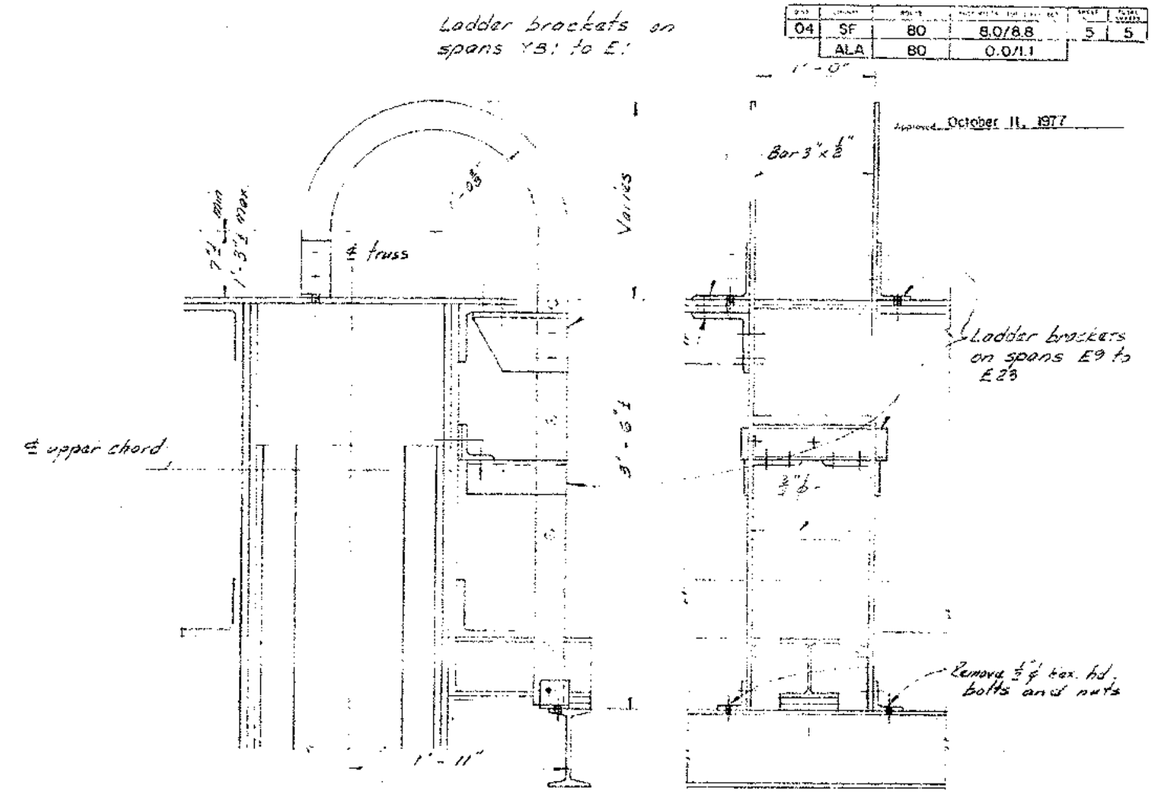
04	SF	80	8.0/8.8	5	5
	ALA	80	0.0/1.1		

Approved October 11, 1977



VIEW A-A

PANEL POINT BRACKET 1

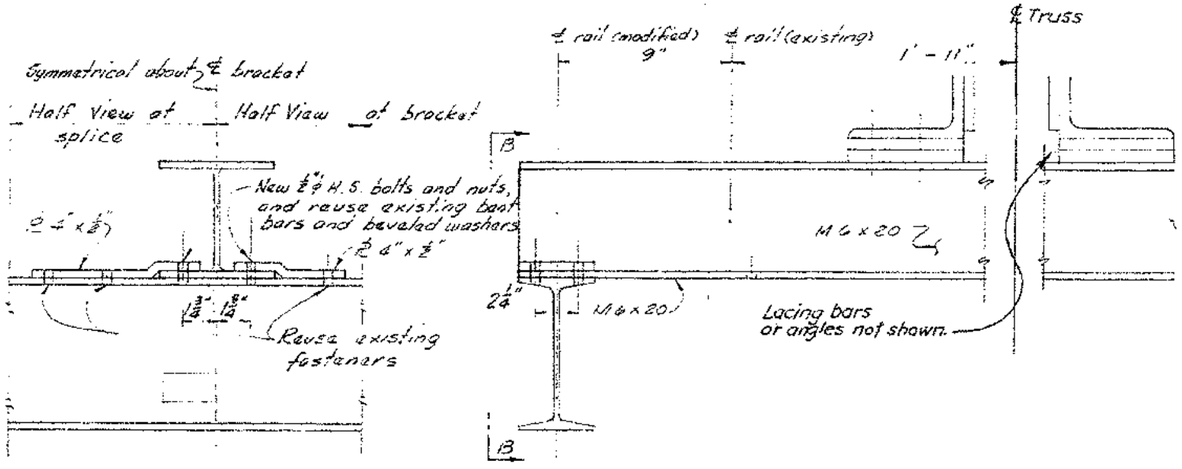


SIDE VIEW

FRONT VIEW

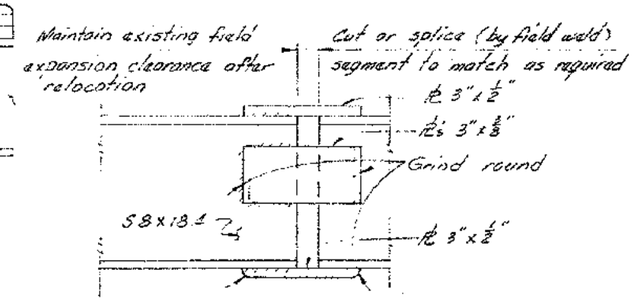
LADDER REMOVAL DETAIL

1½" = 1'-0"



VIEW B-B

INTERMEDIATE BRACKET 1



EXPANSION JOINT MODIFICATION
PIERS YB2, YB4, & E10

(For modification of expansion joint at Pier YB3, see note and existing detail on sheet 4)

NOTES

1. Ladder removal shall include removal of all mounting brackets attached to the upper chord.
2. All exposed holes thru the upper chord shall be plugged with high strength bolts, nuts and flat washers.
3. For existing rail and expansion joint details, see sheet 4.

Contract No. 04-029404
Date Completed 12-19-78
Document No. with revision
S. COOPER
F.T. PEYTON 12-19-78

AS BUILT PLANS
Contract No. 04-029404
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Document No.

MARK	DATE	REVISION	BY	CHK.
1	8-83	As built with revision	cfc	

STATE OF CALIFORNIA — BUSINESS AND TRANSPORTATION AGENCY — DEPARTMENT OF TRANSPORTATION

DESIGN BY T. Jee CHK. R.Zimmerman
DRAWN BY T. Jee CHK. R.Zimmerman
SPECIFICATION ESTIMATE
IN CHARGE OF DESIGN:
REGISTERED ENGINEER

Caltrans APPROVED 6-10-77
REGISTERED ENGINEER

SAN FRANCISCO-OAKLAND BAY BRIDGE
EAST BAY TRAVELING SCAFFOLD RAIL IMPROVEMENTS

EXISTING SCAFFOLD RAIL MODIFICATION

SCALE 3" = 1'-0" UNLESS NOTED | SHEET NO. 5 | DRAWING NO. 04-029404-5 R