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# Bridge Inspection Records Information System

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State of California  
Department of Transportation

**Division of Maintenance  
Structures Maintenance & Investigations**


**DEPARTMENT OF TRANSPORTATION**  
 Structure Maintenance & Investigations

 Bridge Number : **55C0555**  
 Facility Carried: **COAST HWY**  
 Location : **0.4 MI W PALISADES DR**  
 City :  
 Inspection Date : **21-AUG-01**
**Bridge Inspection Report**
**Inspection Type**

 Routine ☒ Group A ☐ Underwater ☐ Special ☐ Other ☐
**Name : CAPISTRANO SRFSD INN POC**
**CONSTRUCTION INFORMATION**

 Year Built : 1986  
 Year Widened : N/A  
 Length (m) : 52.7

 Skew (degrees): 0  
 No. of Joints : 0  
 No. of Hinges : 0

Description of Structure : Simply supported 2-span PC/PS concrete I-girder (2 each) with RC single column bents, all supported upon concrete piles. RC stairway upon steel girders at the approaches.

Span Configuration : (S) 25.0 m, 25.3 m (N) c/c

**LOAD CAPACITY AND RATINGS**

Design Live Load : PEDESTRIAN

Inventory Rating : 0 metric tons

Calculation Method : LOAD FACTOR

Operating Rating : 0 metric tons

Calculation Method : LOAD FACTOR

Permit Rating :

 Posting Load : Type 3 N/A english tons Type 3S2 N/A english tons Type 3-3 N/A english tons

**DESCRIPTION ON STRUCTURE**

Bridge width : (W) 1.5 m (E)

Total Width : .0 m

Net Width : N/A m

No. of Lanes :

Rail Description : None

Rail Code : NNNN

Min. Vertical Clearance : 0.0 m

**DESCRIPTION UNDER STRUCTURE**

| Facility Name | Func Class | Lanes | Horiz Clr (m) | Vert Clr (m) |
|---------------|------------|-------|---------------|--------------|
| COAST HWY     | 16         | 4     | 26.2          | 5.99         |

Channel Description : None.

**CONDITION OF STRUCTURE**

The steel girders supporting the stairways have surface rusting.

Otherwise, the structure is in good condition.

**ELEMENT LEVEL INSPECTION RATINGS**

| E#     | Elem | Element Description                      | Env | Total Units<br>Quantity | Qty in each Condition State |       |       |       |       |
|--------|------|------------------------------------------|-----|-------------------------|-----------------------------|-------|-------|-------|-------|
|        |      |                                          |     |                         | St. 1                       | St. 2 | St. 3 | St. 4 | St. 5 |
| 01 12  |      | Concrete Deck - Bare                     | 3   | 10 sq.m.                | 10                          | 0     | 0     | 0     | 0     |
| 01 107 |      | Painted Steel Open Girder/Beam           | 3   | 82 m.                   | 0                           | 0     | 82    | 0     | 0     |
| 01 109 |      | P/S Conc Open Girder/Beam                | 3   | 105 m.                  | 105                         | 0     | 0     | 0     | 0     |
| 01 205 |      | Reinforced Conc Column or Pile Extension | 3   | 8 ea.                   | 8                           | 0     | 0     | 0     | 0     |
| 01 227 |      | Reinforced Conc Submerged Pile           | 3   | 18 ea.                  | 18                          | 0     | 0     | 0     | 0     |
| 01 302 |      | Compression Joint Seal                   | 3   | 4 m.                    | 4                           | 0     | 0     | 0     | 0     |
| 01 312 |      | Enclosed/Concealed Bearing               | 3   | 2 ea.                   | 2                           | 0     | 0     | 0     | 0     |

Bridge No.: 55C0555

Location: 0.4 MI W PALISADES DR

Inspection Date: 21-AUG-01

WORK RECOMMENDATIONS

Clean and paint the steel girders supporting the stairways.

| <u>Item#</u> | <u>Rec. Date</u> | <u>Work By</u> | <u>Work Id.</u> | <u>Prog. Method</u> | <u>Cost</u> |
|--------------|------------------|----------------|-----------------|---------------------|-------------|
| 1            | 21-AUG-2001      | County Agency  | 40555X01233X    |                     |             |

Inspected By : M. Ogata

M. Ogata  
Registered Civil Engineer



CC : TMRut  
County of Orange

Bridge No.: 55C0555

Location: 0.4 MI W PALISADES DR

Inspection Date: 21-AUG-01

## STRUCTURE INVENTORY AND APPRAISAL REPORT

## \*\*\*\*\* IDENTIFICATION \*\*\*\*\*

(1) STATE NAME - CALIFORNIA 069  
 (8) STRUCTURE NUMBER 55C0555  
 (5) INVENTORY ROUTE(ON/UNDER) - UNDER 2 50 0M037N  
 (2) HIGHWAY AGENCY DISTRICT 12  
 (3) COUNTY CODE 059 (4) PLACE CODE 00000  
 (6) FEATURE INTERSECTED - CAPISTRANO SRFSO INN POC  
 (7) FACILITY CARRIED - COAST HWY  
 (9) LOCATION - 0.4 MI W PALISADES DR  
 (11) MILEPOINT/KILOMETERPOINT 0  
 (12) BASE HIGHWAY NETWORK - NOT ON NET 0  
 (13) LRS INVENTORY ROUTE & SUBROUTE  
 (16) LATITUDE 33 DEG 27 MIN 32 SEC  
 (17) LONGITUDE 117 DEG 40 MIN 22 SEC  
 (98) BORDER BRIDGE STATE CODE % SHARE %  
 (99) BORDER BRIDGE STRUCTURE NUMBER

## \*\*\*\*\* STRUCTURE TYPE AND MATERIAL \*\*\*\*\*

(43) STRUCTURE TYPE MAIN: MATERIAL - PRSTR CONC CONT  
 TYPE - STRINGER/MULTI-BEAM OR GDR CODE 6 02  
 (44) STRUCTURE TYPE APPR: MATERIAL -  
 TYPE - CODE  
 (45) NUMBER OF SPANS IN MAIN UNIT 2  
 (46) NUMBER OF APPROACH SPANS 0  
 (107) DECK STRUCTURE TYPE - CIP CONCRETE CODE 1  
 (108) WEARING SURFACE / PROTECTIVE SYSTEM:  
 A) TYPE OF WEARING SURFACE - CONCRETE CODE 1  
 B) TYPE OF MEMBRANE - NONE CODE 0  
 C) TYPE OF DECK PROTECTION - NONE CODE 0

## \*\*\*\*\* AGE AND SERVICE \*\*\*\*\*

(27) YEAR BUILT 1986  
 (106) YEAR RECONSTRUCTED 0000  
 (42) TYPE OF SERVICE: ON - PEDESTRIAN-BICYCLE 3  
 UNDER - HIGHWAY-RAILROAD 4  
 (28) LANES: ON STRUCTURE UNDER STRUCTURE 04  
 (29) AVERAGE DAILY TRAFFIC 26000  
 (30) YEAR OF ADT 2000 (109) TRUCK ADT 1%  
 (19) BYPASS, DETOUR LENGTH 2 KM

## \*\*\*\*\* GEOMETRIC DATA \*\*\*\*\*

(48) LENGTH OF MAXIMUM SPAN 27.7 M  
 (49) STRUCTURE LENGTH 52.7 M  
 (50) CURB OR SIDEWALK: LEFT 0 M RIGHT 0 M  
 (51) BRIDGE ROADWAY WIDTH CURB TO CURB 0 M  
 (52) DECK WIDTH OUT TO OUT 0 M  
 (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 0 M  
 (33) BRIDGE MEDIAN - NO MEDIAN 0  
 (34) SKEW 0 DEG (35) STRUCTURE FLARED NO  
 (10) INVENTORY ROUTE MIN VERT CLEAR 5.99 M  
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 26.2 M  
 (53) MIN VERT CLEAR OVER BRIDGE RDWY 0 M  
 (54) MIN VERT UNDERCLEAR REF - HIGHWAY 5.99 M  
 (55) MIN LAT UNDERCLEAR RT REF - HIGHWAY 2.4 M  
 (56) MIN LAT UNDERCLEAR LT 0 M

## \*\*\*\*\* NAVIGATION DATA \*\*\*\*\*

(38) NAVIGATION CONTROL - NOT APPLICABLE CODE N  
 (111) PIER PROTECTION - NOT REQUIRED CODE 1  
 (39) NAVIGATION VERTICAL CLEARANCE 0 M  
 (116) VERT-LIFT BRIDGE NAV MIN VERT CLEAR 0 M  
 (40) NAVIGATION HORIZONTAL CLEARANCE 0

## \*\*\*\*\* SUFFICIENCY RATING \*\*\*\*\*

SUFFICIENCY RATING -

STATUS -

HEALTH INDEX - 0

## \*\*\*\*\* CLASSIFICATION \*\*\*\*\* CODE

(112) NBIS BRIDGE LENGTH - YES Y  
 (104) HIGHWAY SYSTEM - NOT ON NHS 0  
 (26) FUNCTIONAL CLASS - MINOR ARTERIAL URBAN 16  
 (100) DEFENSE HIGHWAY - NOT STRAHNET 0  
 (101) PARALLEL STRUCTURE - NONE EXISTS N  
 (102) DIRECTION OF TRAFFIC - TRAFFIC NOT CARRIED 0  
 (103) TEMPORARY STRUCTURE -  
 (105) FEDERAL LANDS HIGHWAY - NOT APPLICABLE 0  
 (110) DESIGNATED NATIONAL NETWORK - NOT ON NET 0  
 (20) TOLL - ON FREE ROAD 3  
 (21) MAINTAIN - COUNTY HIGHWAY AGENCY 2  
 (22) OWNER - PRIVATE (OTHER THAN RAILROAD) \*  
 (37) HISTORICAL SIGNIFICANCE - NOT ELIGIBLE 5

## \*\*\*\*\* CONDITION \*\*\*\*\* CODE

(58) DECK 7  
 (59) SUPERSTRUCTURE 7  
 (60) SUBSTRUCTURE 7  
 (61) CHANNEL & CHANNEL PROTECTION N  
 (62) CULVERTS N

## \*\*\*\*\* LOAD RATING AND POSTING \*\*\*\*\* CODE

(31) DESIGN LOAD - PEDESTRIAN 7  
 (63) OPERATING RATING METHOD - LOAD FACTOR 1  
 (64) OPERATING RATING - 0  
 (65) INVENTORY RATING METHOD - LOAD FACTOR 1  
 (66) INVENTORY RATING - 0  
 (70) BRIDGE POSTING - Equal to or above legal loads 5  
 (41) STRUCTURE OPEN, POSTED OR CLOSED - A  
 DESCRIPTION - OPEN, NO RESTRICTION

## \*\*\*\*\* APPRAISAL \*\*\*\*\* CODE

(67) STRUCTURAL EVALUATION 7  
 (68) DECK GEOMETRY \*  
 (69) UNDERCLEARANCES, VERTICAL & HORIZONTAL 4  
 (71) WATER ADEQUACY N  
 (72) APPROACH ROADWAY ALIGNMENT N  
 (36) TRAFFIC SAFETY FEATURES NNNN  
 (113) SCOUR CRITICAL BRIDGES N

## \*\*\*\*\* PROPOSED IMPROVEMENTS \*\*\*\*\*

(75) TYPE OF WORK - CODE  
 (76) LENGTH OF STRUCTURE IMPROVEMENT M  
 (94) BRIDGE IMPROVEMENT COST  
 (95) ROADWAY IMPROVEMENT COST  
 (96) TOTAL PROJECT COST  
 (97) YEAR OF IMPROVEMENT COST ESTIMATE  
 (114) FUTURE ADT 52000  
 (115) YEAR OF FUTURE ADT 2020

## \*\*\*\*\* INSPECTIONS \*\*\*\*\*

(90) INSPECTION DATE 08/01 (91) FREQUENCY 24 MO  
 (92) CRITICAL FEATURE INSPECTION: (93) CFI DATE  
 A) FRACTURE CRIT DETAIL - NO -1 MO A)  
 B) UNDERWATER INSP - NO -1 MO B)  
 C) OTHER SPECIAL INSP - NO -1 MO C)



**DEPARTMENT OF TRANSPORTATION**  
Structure Maintenance & Investigations

Bridge Number : 55C0555  
Facility Carried: COAST HWY  
Location : 0.4 MI W PALISADES DR  
City :  
Inspection Date : 31-JUL-01

**Bridge Inspection Report**

**Inspection Type**

Routine ☐ Group A ☐ Underwater ☐ Special ☐ Other ☒

**Name : CAPISTRANO SRFSD INN POC**

**CONSTRUCTION INFORMATION**

Year Built : 1986  
Year Widened : N/A  
Length (m) : 52.7

Skew (degrees): 0  
No. of Joints : 0  
No. of Hinges : 0

Description of Structure : Simply supported 2-span PC/PS concrete I-girder (2 each) with RC single column bents, all supported upon concrete piles. RC stairway at the approaches.

Span Configuration : (S) 25.0 m, 25.3 m (N) c/c

**LOAD CAPACITY AND RATINGS**

Design Live Load : PEDESTRIAN

Inventory Rating : 0 metric tons

Calculation Method : LOAD FACTOR

Operating Rating : 0 metric tons

Calculation Method : LOAD FACTOR

Permit Rating :

Posting Load : Type 3 N/A english tons Type 3S2 N/A english tons Type 3-3 N/A english tons

**DESCRIPTION ON STRUCTURE**

Bridge width : (W) 1.5 m (E)

Total Width : .0 m

Net Width : N/A m

No. of Lanes :

Rail Description : None

Rail Code : NNNN

Min. Vertical Clearance : 0.0 m

**DESCRIPTION UNDER STRUCTURE**

| Facility Name | Func Class | Lanes | Horiz Clr (m) | Vert Clr (m) |
|---------------|------------|-------|---------------|--------------|
| COAST HWY     | 14         | 4     | 26.2          | 5.99         |

Channel Description : None.

**REVISIONS**

(Maintenance): (Old): City of Dana Point, (New): County of Orange. The County of Orange will be maintaining the bridge repairs.

**CONDITION OF STRUCTURE**

The structure is in good condition.

**ELEMENT LEVEL INSPECTION RATINGS**

| F#     | Elem<br>No. | Element Description                      | Env | Total Units<br>Quantity | Qty in each Condition State |       |       |       |       |
|--------|-------------|------------------------------------------|-----|-------------------------|-----------------------------|-------|-------|-------|-------|
|        |             |                                          |     |                         | St. 1                       | St. 2 | St. 3 | St. 4 | St. 5 |
| 01 12  |             | Concrete Deck - Bare                     | 3   | 10 sq.m.                | 10                          | 0     | 0     | 0     | 0     |
| 01 107 |             | Painted Steel Open Girder/Beam           | 3   | 82 m.                   | 0                           | 0     | 82    | 0     | 0     |
| 01 109 |             | P/S Conc Open Girder/Beam                | 3   | 105 m.                  | 105                         | 0     | 0     | 0     | 0     |
| 01 205 |             | Reinforced Conc Column or Pile Extension | 3   | 8 ea.                   | 8                           | 0     | 0     | 0     | 0     |
| 01 227 |             | Reinforced Conc Submerged Pile           | 3   | 18 ea.                  | 18                          | 0     | 0     | 0     | 0     |
| 01 302 |             | Compression Joint Seal                   | 3   | 4 m.                    | 4                           | 0     | 0     | 0     | 0     |
| 01 312 |             | Enclosed/Concealed Bearing               | 3   | 2 ea.                   | 2                           | 0     | 0     | 0     | 0     |

Bridge No.: 55C0555

Location: 0.4 MI W PALISADES DR

Inspection Date: 31-JUL-01

WORK RECOMMENDATIONS - NONE

Inspected By : M. Ogata

*M. Ogata*  
Registered Civil Engineer



CC : TMRut  
City of Dana Point  
County of Orange

Bridge No.: 55C0555

Location: 0.4 MI W PALISADES DR

Inspection Date: 31-JUL-01

## STRUCTURE INVENTORY AND APPRAISAL REPORT

## \*\*\*\*\* IDENTIFICATION \*\*\*\*\*

(1) STATE NAME - CALIFORNIA 069  
 (8) STRUCTURE NUMBER 55C0555  
 (5) INVENTORY ROUTE (ON/UNDER) - UNDER 2 50 0M037N  
 (2) HIGHWAY AGENCY DISTRICT 12  
 (3) COUNTY CODE 059 (4) PLACE CODE 00000  
 (6) FEATURE INTERSECTED - CAPISTRANO SRFSO INN POC  
 (7) FACILITY CARRIED - COAST HWY  
 (9) LOCATION - 0.4 MI W PALISADES DR  
 (11) MILEPOINT/KILOMETERPOINT 0  
 (12) BASE HIGHWAY NETWORK - NOT ON NET 0  
 (13) LRS INVENTORY ROUTE & SUBROUTE  
 (16) LATITUDE 33 DEG 27 MIN 32 SEC  
 (17) LONGITUDE 117 DEG 40 MIN 22 SEC  
 (98) BORDER BRIDGE STATE CODE 1 SHARE 1  
 (99) BORDER BRIDGE STRUCTURE NUMBER

## \*\*\*\*\* STRUCTURE TYPE AND MATERIAL \*\*\*\*\*

(43) STRUCTURE TYPE MAIN: MATERIAL - PRSTR CONC CONT  
 TYPE - STRINGER/MULTI-BEAM OR GDR CODE 6 02  
 (44) STRUCTURE TYPE APPR: MATERIAL -  
 TYPE - CODE  
 (45) NUMBER OF SPANS IN MAIN UNIT 2  
 (46) NUMBER OF APPROACH SPANS 0  
 (107) DECK STRUCTURE TYPE CIP CONCRETE CODE 1  
 (108) WEARING SURFACE / PROTECTIVE SYSTEM:  
 A) TYPE OF WEARING SURFACE - CONCRETE CODE 1  
 B) TYPE OF MEMBRANE - NONE CODE 0  
 C) TYPE OF DECK PROTECTION - NONE CODE 0

## \*\*\*\*\* AGE AND SERVICE \*\*\*\*\*

(27) YEAR BUILT 1986  
 (106) YEAR RECONSTRUCTED 0000  
 (42) TYPE OF SERVICE: ON - PEDESTRIAN-BICYCLE 3  
 UNDER - HIGHWAY-RAILROAD 4  
 (28) LANES: ON STRUCTURE UNDER STRUCTURE 04  
 (29) AVERAGE DAILY TRAFFIC 15000  
 (30) YEAR OF ADT 1998 (109) TRUCK ADT 11  
 (19) BYPASS, DETOUR LENGTH 2 KM

## \*\*\*\*\* GEOMETRIC DATA \*\*\*\*\*

(48) LENGTH OF MAXIMUM SPAN 27.7 M  
 (49) STRUCTURE LENGTH 52.7 M  
 (50) CURB OR SIDEWALK: LEFT 0 M RIGHT 0 M  
 (51) BRIDGE ROADWAY WIDTH CURB TO CURB 0 M  
 (52) DECK WIDTH OUT TO OUT 0 M  
 (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 0 M  
 (33) BRIDGE MEDIAN - NO MEDIAN 0  
 (34) SKEW 0 DEG (35) STRUCTURE FLARED NO  
 (10) INVENTORY ROUTE MIN VERT CLEAR 5.99 M  
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 26.2 M  
 (53) MIN VERT CLEAR OVER BRIDGE RDWY 0 M  
 (54) MIN VERT UNDERCLEAR REF - HIGHWAY 5.99 M  
 (55) MIN LAT UNDERCLEAR RT REF - HIGHWAY 2.4 M  
 (56) MIN LAT UNDERCLEAR LT 0 M

## \*\*\*\*\* NAVIGATION DATA \*\*\*\*\*

(38) NAVIGATION CONTROL - NOT APPLICABLE CODE N  
 (111) PIER PROTECTION - NOT REQUIRED CODE 1  
 (39) NAVIGATION VERTICAL CLEARANCE 0 M  
 (116) VERT-LIFT BRIDGE NAV MIN VERT CLEAR 0 M  
 (40) NAVIGATION HORIZONTAL CLEARANCE 0

## \*\*\*\*\* SUFFICIENCY RATING \*\*\*\*\*

STATUS =

HEALTH INDEX = 0

## \*\*\*\*\* CLASSIFICATION \*\*\*\*\* CODE

(112) NBIS BRIDGE LENGTH - YES Y  
 (104) HIGHWAY SYSTEM - NOT ON NHS 0  
 (26) FUNCTIONAL CLASS - OTHER PRIN ART URBAN 14  
 (100) DEFENSE HIGHWAY - NOT STRAHNET 0  
 (101) PARALLEL STRUCTURE - NONE EXISTS N  
 (102) DIRECTION OF TRAFFIC - TRAFFIC NOT CARRIED 0  
 (103) TEMPORARY STRUCTURE -  
 (105) FEDERAL LANDS HIGHWAY - NOT APPLICABLE 0  
 (110) DESIGNATED NATIONAL NETWORK - NOT ON NET 0  
 (20) TOLL - ON FREE ROAD 3  
 (21) MAINTAIN - COUNTY HIGHWAY AGENCY 2  
 (22) OWNER - PRIVATE (OTHER THAN RAILROAD) \*  
 (37) HISTORICAL SIGNIFICANCE - NOT ELIGIBLE 5

## \*\*\*\*\* CONDITION \*\*\*\*\* CODE

(58) DECK 7  
 (59) SUPERSTRUCTURE 7  
 (60) SUBSTRUCTURE 7  
 (61) CHANNEL & CHANNEL PROTECTION N  
 (62) CULVERTS N

## \*\*\*\*\* LOAD RATING AND POSTING \*\*\*\*\* CODE

(31) DESIGN LOAD - PEDESTRIAN 7  
 (63) OPERATING RATING METHOD - LOAD FACTOR 1  
 (64) OPERATING RATING - 0  
 (65) INVENTORY RATING METHOD - LOAD FACTOR 1  
 (66) INVENTORY RATING - 0  
 (70) BRIDGE POSTING - Equal to or above legal loads 5  
 (41) STRUCTURE OPEN, POSTED OR CLOSED - A  
 DESCRIPTION - OPEN, NO RESTRICTION

## \*\*\*\*\* APPRAISAL \*\*\*\*\* CODE

(67) STRUCTURAL EVALUATION 7  
 (68) DECK GEOMETRY \*  
 (69) UNDERCLEARANCES, VERTICAL & HORIZONTAL 4  
 (71) WATER ADEQUACY N  
 (72) APPROACH ROADWAY ALIGNMENT N  
 (36) TRAFFIC SAFETY FEATURES NNNN  
 (113) SCOUR CRITICAL BRIDGES N

## \*\*\*\*\* PROPOSED IMPROVEMENTS \*\*\*\*\*

(75) TYPE OF WORK - CODE  
 (76) LENGTH OF STRUCTURE IMPROVEMENT M  
 (94) BRIDGE IMPROVEMENT COST  
 (95) ROADWAY IMPROVEMENT COST  
 (96) TOTAL PROJECT COST  
 (97) YEAR OF IMPROVEMENT COST ESTIMATE  
 (114) FUTURE ADT 16000  
 (115) YEAR OF FUTURE ADT 2010

## \*\*\*\*\* INSPECTIONS \*\*\*\*\*

(90) INSPECTION DATE 08/99 (91) FREQUENCY 24 MO  
 (92) CRITICAL FEATURE INSPECTION: (93) CFI DATE  
 A) FRACTURE CRIT DETAIL - NO -1 MO A)  
 B) UNDERWATER INSP - NO -1 MO B)  
 C) OTHER SPECIAL INSP - NO -1 MO C)



## County of Orange, PFRD, Bridge Design

**Mailing Address:**

P.O. Box 4048  
Santa Ana, CA 92702-4048

Phone: (714) 834-7537

e-mail address: hoisingtonr@pfrd.co.orange.ca.us

**Office Location:**

300 N. Flower, Room 551  
Santa Ana, CA 92702-5000

FAX: (714) 834-6796

# Fax

**To:** Max Ogata  
Caltrans, Div. of Struct. Maint. &  
Investigations

**From:** Rich Hoisington  
County of Orange, Bridge Design

**Fax:** (562) 868-6510

**Pages:** 1, including this cover sheet

**Phone:** (562) 868-6617

**Date:** 7/31/01 9:29 AM

**Subject:** Bridge No. 55C-0555,  
Coast Highway @ Surfside Inn

**CC:**

☐ **Urgent**

☐ **For Review**

☐ **Please Comment**

☐ **Please Reply**

Max,

This bridge lies within the City of Dana Point. It was built by the owner of the Surfside Inn as a condition of approval for his project, before the City incorporated. However, after the bridge was completed in 1996, the City refused to accept the bridge. Therefore, the County has agreed to accept maintenance responsibility for the bridge, via a maintenance agreement currently being drawn up.

If you have any questions, please contact me at the above number.

A handwritten signature in black ink, appearing to read "Rich Hoisington", is written over a horizontal line.



DEPARTMENT OF TRANSPORTATION  
Structure Maintenance & Investigations

Bridge Number 55C0555  
Facility Carried COAST HWY  
Location 0 4 MI W PALISADES DR  
City DANA POINT  
Inspection Date 30-AUG-99

Bridge Inspection Report

Inspection Type  
Routine ☒ Group A ☐ Underwater ☐ Special ☐ Other ☐

Name CAPISTRANO SURFSD IN POC

CONSTRUCTION INFORMATION

Year Built 1986 Skew (degrees) 0  
Year Widened N/A No of Joints 0  
Length (m) 52 7 No of Hinges 0  
Description of Structure Simply supported 2-span PC/PS concrete I-girder (2 each) with RC single column bents, all supported upon concrete piles RC stairway at the approaches

Span Configuration (S) 25 0 m, 25 3 m (N) c/c

LOAD CAPACITY AND RATINGS

Design Live Load PEDESTRIAN  
Inventory Rating 0 metric tons Calculation Method LOAD FACTOR  
Operating Rating 0 metric tons Calculation Method LOAD FACTOR  
Permit Rating  
Posting Load Type 3 N/A english tons Type 3S2 N/A english tons Type 3-3 N/A english tons

DESCRIPTION ON STRUCTURE

Bridge width (W) 1 5 m (E)  
Total Width 0 m Net Width N/A m No of Lanes  
Rail Description None Rail Code NNNN  
Min Vertical Clearance 0 0 m

DESCRIPTION UNDER STRUCTURE

| Facility Name       | Func Class | Lanes | Horiz Clr (m) | Vert Clr (m) |
|---------------------|------------|-------|---------------|--------------|
| COAST HWY           | 14         | 4     | 26 2          | 5 99         |
| Channel Description | None       |       |               |              |

CONDITION OF STRUCTURE

The structure is in good condition

PAINT CONDITION

Code 2 - The paint is in satisfactory condition Freckled rust has formed at various locations (0)

| ELEMENT LEVEL INSPECTION RATINGS |         |                                          |     |                      |                             |      |      |      |      |
|----------------------------------|---------|------------------------------------------|-----|----------------------|-----------------------------|------|------|------|------|
| F#                               | Elem No | Element Description                      | Env | Total Units Quantity | Qty in each Condition State |      |      |      |      |
|                                  |         |                                          |     |                      | St 1                        | St 2 | St 3 | St 4 | St 5 |
| 01                               | 12      | Concrete Deck - Bare                     | 3   | 10 sq m              | 10                          | 0    | 0    | 0    | 0    |
| 01                               | 107     | Painted Steel Open Girder/Beam           | 3   | 82 m                 | 0                           | 0    | 82   | 0    | 0    |
| 01                               | 109     | P/S Conc Open Girder/Beam                | 3   | 105 m                | 105                         | 0    | 0    | 0    | 0    |
| 01                               | 205     | Reinforced Conc Column or Pile Extension | 3   | 8 ea                 | 8                           | 0    | 0    | 0    | 0    |
| 01                               | 227     | Reinforced Conc Submerged Pile           | 3   | 18 ea                | 18                          | 0    | 0    | 0    | 0    |
| 01                               | 302     | Compression Joint Seal                   | 3   | 4 m                  | 4                           | 0    | 0    | 0    | 0    |
| 01                               | 312     | Enclosed/Concealed Bearing               | 3   | 2 ea                 | 2                           | 0    | 0    |      |      |

WORK RECOMMENDATIONS - NONE

Printed on 02-SEP-1999 09 44 39 AM

Bridge No 55C0555 Location 0 4 MI W PALISADES DR Inspection Date 30-AUG-99

Inspected By M Ogata

*M. Ogata*  
Registered Civil Engineer



CC TMRut  
City of Dana Point

Printed on 02-SEP-1999 09 44 39 AM

*mc*

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Bridge No 55C0555 Location 0 4 MI W PALISADES DR Inspection Date 30-AUG-99

STRUCTURE INVENTORY AND APPRAISAL REPORT

|                                                     |                       |         |         |                                                  |                               |      |      |
|-----------------------------------------------------|-----------------------|---------|---------|--------------------------------------------------|-------------------------------|------|------|
| ***** IDENTIFICATION *****                          |                       |         |         | ***** SUFFICIENCY RATING *****                   |                               |      |      |
| (1) STATE NAME - CALIFORNIA                         |                       |         | 06 9    | STATUS -                                         |                               |      |      |
| (8) STRUCTURE NUMBER                                |                       |         | 55C0555 | HEALTH INDEX = 79 51                             |                               |      |      |
| (5) INVENTORY ROUTE(ON/UNDER) -                     |                       |         |         | ***** CLASSIFICATION ***** CODE                  |                               |      |      |
| (2) HIGHWAY AGENCY DISTRICT                         |                       |         | 12      | (112) NBIS BRIDGE LENGTH -                       | YES                           |      | Y    |
| (3) COUNTY CODE 059                                 | (4) PLACE CODE        |         | 17946   | (104) HIGHWAY SYSTEM -                           |                               |      |      |
| (6) FEATURE INTERSECTED -                           |                       |         |         | (26) FUNCTIONAL CLASS -                          |                               |      |      |
| (7) FACILITY CARRIED -                              |                       |         |         | (100) DEFENSE HIGHWAY -                          |                               |      |      |
| (9) LOCATION - 0 4 MI W PALISADES DR                |                       |         |         | (101) PARALLEL STRUCTURE -                       | NONE EXISTS                   |      | N    |
| (11) MILEPOINT/KILOMETERPOINT                       |                       |         |         | (102) DIRECTION OF TRAFFIC -                     |                               |      |      |
| (12) BASE HIGHWAY NETWORK -                         |                       |         |         | (103) TEMPORARY STRUCTURE -                      |                               |      |      |
| (13) LRS INVENTORY ROUTE & SUBROUTE                 |                       |         |         | (105) FEDERAL LANDS HIGHWAY -                    |                               |      |      |
| (16) LATITUDE                                       |                       | 0 DEG   | MIN SEC | (110) DESIGNATED NATIONAL NETWORK -              |                               |      |      |
| (17) LONGITUDE                                      |                       | 0 DEG   | MIN SEC | (20) TOLL -                                      |                               |      |      |
| (98) BORDER BRIDGE STATE CODE                       |                       | % SHARE | %       | (21) MAINTAIN - CITY OR MUNICIPAL HIGHWAY AGENCY |                               |      | 4    |
| (99) BORDER BRIDGE STRUCTURE NUMBER                 |                       |         |         | (22) OWNER - CITY OR MUNICIPAL HIGHWAY AGENCY    |                               |      | 4    |
| ***** STRUCTURE TYPE AND MATERIAL *****             |                       |         |         | (37) HISTORICAL SIGNIFICANCE -                   | NOT ELIGIBLE                  |      | 5    |
| (43) STRUCTURE TYPE MAIN MATERIAL - PRSTR CONC CONT |                       |         |         | ***** CONDITION ***** CODE                       |                               |      |      |
| TYPE - STRINGER/MULTI-BEAM OR GDR                   | CODE                  |         | 6 02    | (58) DECK                                        |                               |      | 7    |
| (44) STRUCTURE TYPE APPR MATERIAL - OTHER           |                       |         |         | (59) SUPERSTRUCTURE                              |                               |      | 7    |
| TYPE - OTHER                                        | CODE                  |         | 000     | (60) SUBSTRUCTURE                                |                               |      | 7    |
| (45) NUMBER OF SPANS IN MAIN UNIT                   |                       |         | 2       | (61) CHANNEL & CHANNEL PROTECTION                |                               |      | N    |
| (46) NUMBER OF APPROACH SPANS                       |                       |         | 0       | (62) CULVERTS                                    |                               |      | N    |
| (107) DECK STRUCTURE TYPE - CIP CONCRETE            |                       |         | CODE 1  | ***** LOAD RATING AND POSTING ***** CODE         |                               |      |      |
| (108) WEARING SURFACE / PROTECTIVE SYSTEM           |                       |         |         | (31) DESIGN LOAD - PEDESTRIAN                    |                               |      | 7    |
| A) TYPE OF WEARING SURFACE - CONCRETE               | CODE                  |         | 1       | (63) OPERATING RATING METHOD -                   | LOAD FACTOR                   |      | 1    |
| B) TYPE OF MEMBRANE - NONE                          | CODE                  |         | 0       | (64) OPERATING RATING -                          |                               |      | 0    |
| C) TYPE OF DECK PROTECTION - NONE                   | CODE                  |         | 0       | (65) INVENTORY RATING METHOD -                   | LOAD FACTOR                   |      | 1    |
| ***** AGE AND SERVICE *****                         |                       |         |         | (66) INVENTORY RATING -                          |                               |      | 0    |
| (27) YEAR BUILT                                     |                       |         | 1986    | (70) BRIDGE POSTING -                            | Equal to or above legal loads |      | 5    |
| (106) YEAR RECONSTRUCTED                            |                       |         | 0000    | (41) STRUCTURE OPEN POSTED OR CLOSED -           |                               |      | A    |
| (42) TYPE OF SERVICE ON - PEDESTRIAN-BICYCLE        |                       |         | 3       | DESCRIPTION -                                    | OPEN, NO RESTRICTION          |      |      |
| UNDER - HIGHWAY-RAILROAD                            |                       |         | 4       | ***** APPRAISAL ***** CODE                       |                               |      |      |
| (28) LANES ON STRUCTURE                             | UNDER STRUCTURE       |         | 04      | (67) STRUCTURAL EVALUATION                       |                               |      | 7    |
| (29) AVERAGE DAILY TRAFFIC                          |                       |         |         | (68) DECK GEOMETRY                               |                               |      | *    |
| (30) YEAR OF ADT                                    | (109) TRUCK ADT       |         | %       | (69) UNDERCLEARANCES, VERTICAL & HORIZONTAL      |                               |      | 4    |
| (19) BYPASS, DETOUR LENGTH                          |                       |         | KM      | (71) WATER ADEQUACY                              |                               |      | N    |
| ***** GEOMETRIC DATA *****                          |                       |         |         | (72) APPROACH ROADWAY ALIGNMENT                  |                               |      | N    |
| (48) LENGTH OF MAXIMUM SPAN                         |                       |         | 27 7 M  | (36) TRAFFIC SAFETY FEATURES                     |                               |      | NNNN |
| (49) STRUCTURE LENGTH                               |                       |         | 52 7 M  | (113) SCOUR CRITICAL BRIDGES                     |                               |      | N    |
| (50) CURB OR SIDEWALK LEFT                          | 0 M                   | RIGHT   | 0 M     | ***** PROPOSED IMPROVEMENTS *****                |                               |      |      |
| (51) BRIDGE ROADWAY WIDTH CURB TO CURB              |                       |         | M       | (75) TYPE OF WORK -                              |                               | CODE |      |
| (52) DECK WIDTH OUT TO OUT                          |                       |         | 0 M     | (76) LENGTH OF STRUCTURE IMPROVEMENT             |                               |      | M    |
| (32) APPROACH ROADWAY WIDTH (W/SHOULDERS)           |                       |         | M       | (94) BRIDGE IMPROVEMENT COST                     |                               |      |      |
| (33) BRIDGE MEDIAN - NO MEDIAN                      |                       |         | 0       | (95) ROADWAY IMPROVEMENT COST                    |                               |      |      |
| (34) SKEW 0 DEG                                     | (35) STRUCTURE FLARED |         | NO      | (96) TOTAL PPROJECT COST                         |                               |      |      |
| (10) INVENTORY ROUTE MIN VEPT CLEAR                 |                       |         | M       | (97) YEAR OF IMPROVEMENT COST ESTIMATE           |                               |      |      |
| (47) INVENTORY ROUTE TOTAL HORIZ CLEAR              |                       |         | M       | (114) FUTURE ADT                                 |                               |      |      |
| (53) MIN VERT CLEAR OVER BPIDGE RDWY                |                       |         | 0 M     | (115) YEAR OF FUTURE ADT                         |                               |      |      |
| (54) MIN VERT UNDERCLEAP REF - HIGHWAY              |                       |         | 5 99 M  | ***** INSPECTIONS *****                          |                               |      |      |
| (55) MIN LAT UNDERCLEAR RT REF - HIGHWAY            |                       |         | 2 4 M   | (90) INSPECTION DATE 08/99                       | (91) FREQUENCY 24 MO          |      |      |
| (56) MIN LAT UNDERCLEAR LT                          |                       |         | 0 M     | (92) CRITICAL FEATURE INSPECTION                 | (93) CFI DATE                 |      |      |
| ***** NAVIGATION DATA *****                         |                       |         |         | A) FRACTURE CRIT DETAIL -                        | NO -1 MO                      | A)   |      |
| (38) NAVIGATION CONTROL - NOT APPLICABLE            | CODE                  |         | N       | B) UNDERWATER INSP -                             | NO -1 MO                      | B)   |      |
| (111) PIER PROTECTION -                             | CODE                  |         |         | C) OTHER SPECIAL INSP -                          | NO -1 MO                      | C)   |      |
| (39) NAVIGATION VERTICAL CLEARANCE                  |                       |         | 0 M     |                                                  |                               |      |      |
| (116) VERT-LIFT BRIDGE NAV MIN VERT CLEAR           |                       |         | M       |                                                  |                               |      |      |
| (40) NAVIGATION HORIZONTAL CLEARANCE                |                       |         | 0       |                                                  |                               |      |      |

Printed on 02-SEP-1999 09 44 39 AM

Bridge Number 55C-555

Location 12 - Ora - FAU M037 - DaPt (Under)  
Dist.-Co.-Rte.-City

Date of Investigation August 6, 1997

**TYPE OF INVESTIGATION/REPORT**

BIENNIAL X DAMAGE     

CATEGORY A      OTHER     

UNDERWATER      OFFICE     

Name CAPISTRANO SURFSIDE INN PEDESTRIAN OVERCROSSING (Coast Highway, 0.4 mile west of Palisades Drive)

**CONDITION RATINGS:**

Element Level Inspection (ELI) form attached.

Channel & Channel Protection

N

MISCELLANEOUS DISCUSSION:

The inspection team consisted of Makoto Ogata and Faye Kirchhoff.

CONDITION OF STRUCTURE:

The condition of structure is good.

PAINT CONDITION:

Code 1 - The paint is in very good condition.

WORK DONE:

1. The steel stringers have been painted.

7-28-95

2. The cracks in the girders have been repaired.

7-28-95

WORK RECOMMENDED:

None.

*M. Ogata*

M. Ogata



MO:cd

c: TMRut

City of Dana Point



**SUPPLEMENTARY BRIDGE REPORT**

DS-M19 (REV. 2/93)

Bridge Number 55C-555

Location 12 - Ora - FAU M037-DaPt (Under)  
Dist.-Co.-Rte.-City

Date of Investigation July 28, 1995

**TYPE OF INVESTIGATION/REPORT**

|            |          |        |     |
|------------|----------|--------|-----|
| BIENNIAL   | <u>X</u> | DAMAGE | ___ |
| CATEGORY A | ___      | OTHER  | ___ |
| UNDERWATER | ___      | OFFICE | ___ |

Name CAPISTRANO SURFSIDE INN PEDESTRIAN OVERCROSSING  
(Coast Highway, 0.4 mile west of Palisades Drive)

**CONDITION RATINGS:**

Condition ratings of all bridge elements are  
shown on the PONTIS DATA FORM (Attachment A).

Channel & Channel Protection

N

CONDITION OF STRUCTURE:

A. There are medium size cracks at the end of the north P/S girder.  
This could be due to the steep inclination of the girder.

B. Paint on steel stringers supporting the stairs have peeled off.

Condition of structure is good.

WORK RECOMMENDED:

1. Repair cracks in location "A".
2. Remove loose paint in location "B" and repaint.

M. Hadi Behrooj <sup>imb</sup>

By

G. P. Balinghassay

GPB:cd

cc: CDHarris

City of Dana Point



INFORMATION ONLY - NOT FOR UPDATE

BRIDGE NUMBER      FRAME      INSPECTION DATE

5 5 C 0 5 5 5      0 1      0 7 2 8 9 5

1      8      9      11      16

|                           |    |
|---------------------------|----|
| SCOUR CRITICAL            | NO |
| CATEGORY A                | NO |
| FRACTURE CRITICAL         | NO |
| ELIGIBLE FOR RAIL UPGRADE | NO |
| UNDERWATER INSPECTION     | NO |

|          |     |
|----------|-----|
| DISTRICT | 12  |
| COUNTY   | ORA |
| ROUTE    |     |
| POSTMILE |     |
| NAME     |     |

[illegible]

BY: [Signature]

**SUPPLEMENTARY BRIDGE REPORT**

DS-M19 (REV. 8/92)

Bridge Number 55C-555

Location 12 - Ora - FAU M037-DaPt  
Dist.-Co.-Rte.-City (Under)

Date of Investigation May 12, 1993

**TYPE OF INVESTIGATION/REPORT**

|            |          |        |     |
|------------|----------|--------|-----|
| BIENNIAL   | <u>X</u> | DAMAGE | ___ |
| CATEGORY A | ___      | OTHER  | ___ |
| UNDERWATER | ___      | OFFICE | ___ |

Name CAPISTRANO SURFSIDE INN PEDESTRIAN OVERCROSSING  
(Coast Highway, 0.4 mile west of Palisades Drive)

**CONDITION RATINGS:**

Condition ratings of all bridge elements are  
shown on the PONTIS DATA FORM (Attachment A).

Channel & Channel Protection

N

CONDITION OF STRUCTURE:

Light rust is beginning to appear on some of the inclined steel stringers supporting access staircase.

Condition of the structure is good.

WORK RECOMMENDED:

None.

Henry Ma

HM:cd

cc: INagai (2)  
City of Dana Point



( ATTACHMENT A )

INFORMATION ONLY - NOT FOR UPDATE

| BRIDGE NUMBER | FRAME | INSPECTION DATE |
|---------------|-------|-----------------|
| 55C0555       | 01    | 051293          |
| 1             | 8     | 9               |
|               |       | 11              |
|               |       | 16              |

|                           |    |
|---------------------------|----|
| SCOUR CRITICAL            | NO |
| CATEGORY A                | NO |
| FRACTURE CRITICAL         | NO |
| ELIGIBLE FOR RAIL UPGRADE | NO |
| UNDERWATER INSPECTION     | NO |

|          |       |
|----------|-------|
| DISTRICT | 12    |
| COUNTY   | ORA   |
| ROUTE    | ***   |
| POSTMILE | ***** |
| NAME     |       |

[illegible]

Н. МА

**BY:**

J. M.

## BRIDGE REPORT

DS-M58 (REV. 1/91)

14W44

Bridge No. 55C - 555

Location 12 - Ora - FAU M037-DaPt (Under)  
Dist Co Rte City

REVISED ORIGINAL REPORT

Date of Investigation May 16, 1991

Name CAPISTRANO SURFSIDE INN PEDESTRIAN OVERCROSSING  
(Coast Highway, 0.4 mile west of Palisades Drive)

Lat. 33° - 27.5'N Long. 117° - 40.4'W

Custodian City of Dana Point Owner City of Dana Point

## STRUCTURAL DATA AND HISTORY

Year Built 1986 By County of Orange Contract No. Unknown

Designed by: Forbes Manshadi Eng. Plans Avail. @ DOS

Description: 2 span simply supported PC/PS concrete "I" girders (2 each) and continuous RC deck supported by single RC column bents on concrete piles. Approach to each 3 bents by staircase on steel stringer spans.

Spans (S) 83', 84' (N)

Length 173' NBIS Bridge Length Yes Skew None

Number Of Intermediate Joints: @Hinges None @Bents None

Maximum Column/Pier Height: (Less than 20') X (20'-29') (30' &amp; Over)

Design Live Load Pedestrian Loading, 85PSF Design Method Unknown

## DESCRIPTION - ON STRUCTURE

Bridge Width (W) 1.1'br, 4.8', 1.1'br (E)

Total Width 7' Net Width N Lanes N Tracks N

Median N Rail Type Chain link enclosure NNNN

Vert. Clearance over deck Unimpaired Appr. Rdwy. Width N

Deck Type 1 Wearing Surface/Prot. Sys. 100 Concrete/none

Alignment Tangent

## DESCRIPTION - UNDER STRUCTURE

Roadway Section (S) 8'sw, 69', 8'sw, 0.8'cu (N)

Clearances: Road: Coast Highway Vert. 19'-8" Horiz. Lt. ; Rt. 8.0'  
Railroad 25'-2" 32'

Lanes 4 Tracks 1

Facilities Crossed Coast Highway (north span) and AT&amp;SF RR (south span)

May 16, 1991

## DESCRIPTION - HYDRAULICS

Channel NoneNavigable: Yes ☐ No ☐ Clearances: Vert. \_\_\_\_\_ Horiz. \_\_\_\_\_Pier/Abutment Protection (For Navigation) ☐

## TRAFFIC INFORMATION

|                                     | DECK                       | YEAR | UNDER                       | YEAR |
|-------------------------------------|----------------------------|------|-----------------------------|------|
| Average Daily Traffic & Year :      | N                          |      | 15,000                      | 1989 |
| Average Daily Traffic (Future) :    | N                          |      | 16,000 Est                  | 2010 |
| Average Daily Trucks ( % OF ADT ) : | N                          |      | 1% Est                      |      |
| Bypass Detour Length                | N                          |      | 1 mile                      |      |
| Shell Route:                        | No                         |      | No                          |      |
| Functional Classification :         | <input type="checkbox"/> N |      | <input type="checkbox"/> 14 |      |
| LOAD RATINGS:                       | Inventory                  | N    | Operating                   | N    |
|                                     | Permit                     | N    | Computation Method          | N    |

## CONDITION RATINGS:

|                              |                            |                |                            |              |                              |
|------------------------------|----------------------------|----------------|----------------------------|--------------|------------------------------|
| Deck                         | <input type="checkbox"/> 8 | Superstructure | <input type="checkbox"/> 8 | Substructure | <input type="checkbox"/> 8   |
| Channel & Channel Protection | <input type="checkbox"/> N | Culvert        | <input type="checkbox"/> N | Widenable    | <input type="checkbox"/> Yes |

## APPRAISAL RATINGS:

|                   |                            |                            |                            |
|-------------------|----------------------------|----------------------------|----------------------------|
| Waterway Adequacy | <input type="checkbox"/> N | Approach Roadway Alignment | <input type="checkbox"/> N |
|-------------------|----------------------------|----------------------------|----------------------------|

Date of Revisions \_\_\_\_\_

CONDITION OF STRUCTURE:

There is moderate rusting in the chain link enclosure components (anchor bolts & plates, U bolts, handrail pipe joints, chain link fabric hog rings, etc.) due to the marine environment.

Also noted is rusting of the steel stringers supporting staircase approaches.

Condition of the structure is good.

Henry Ma



HM:ms

cc: INagai (2)  
City of Dana Point

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**BRIDGE REPORT**  
DS-M50 (REV. 1/81)

Bridge No. 55C-555

Other No.

P.U.C. No.

Location 12-Ora-FAU M037-DaPt  
Dist - Co - Rte - PM - City

Date of Investigation 5-25-89

Name CAPISTRANO SURFSIDE INN PEDESTRIAN OVERCROSSING (Coast Highway,  
0.4 mile west of Palisades Drive)

Lat. 33°-27.5'N Long. 117°-40.4'W

**STRUCTURAL DATA AND HISTORY**

Year Built 1986 By County of Orange Contract No. Unknown

Date of Revisions

Designed by: B.D. ☐ Forbes Manshadi Eng. Plans Avail. ☒ B.D.

Description: 2 span continuous deck over PC/PS concrete "I" girders  
(2 each) on single RC round column bent caps supported  
by concrete pile footing. Approach to each 3 bents by  
staircase on steel stringer spans.

Spans (S) 89', 91' (N)

Length 173' Skew None Design LL Pedestrian loading, 85 PSF

Ratings: Inventory N Operating N Permit N

DESCRIPTION - ON STRUCTURE (Shell Rte.: Yes ☐ No ☒ )

Bridge Width (W) 1.1'br, 4.8', 1.1'br (E)

Total Width 7' Lanes N Tracks N

Median N Rail Type Chainlink enclosure (N)

Vert. Clearance over deck N Appr. Rdwy. Width N

Wearing Surface None Deck Prot. Sys. None

Alignment Tangent

DESCRIPTION - UNDER STRUCTURE (Shell Rte.: Yes ☐ No ☒ )

Roadway Section (S) 8'sw, 69', 8'sw, 0.8'cu (N)

Clearances: Vert. 19'-8" (over roadway)  
25'-2" (over track) Horiz.: Lt. 8.0' (E/B) Rt.

Lanes 4 Tracks 1 Pumpplant: None ☒ See Br. No.

Facilities Crossed Coast Highway (north span) and AT&SF RR (south span)

cc:

DESCRIPTION - HYDRAULICS

Channel None

Navigable: Yes ☐ No ☐ Clearances: Vert. \_\_\_\_\_ Horiz. \_\_\_\_\_

MAINTENANCE

Custodian City of Dana Point Owner City of Dana Point

ORIGINAL  
CONDITION RATING

|                              |           |
|------------------------------|-----------|
| Deck                         | <u>8</u>  |
| Superstructure               | <u>8</u>  |
| Substructure & Pipes         | <u>8</u>  |
| Channel & Channel Protection | <u>N</u>  |
| Retaining Walls              | <u>N</u>  |
| Approach Rdwy. Alignment     | <u>N</u>  |
| Estimated Remaining Life     | <u>50</u> |

ORIGINAL  
APPRAISAL

|                          |                 |
|--------------------------|-----------------|
| Overall                  | <u>8</u>        |
| Deck Geometry            | <u>N</u>        |
| Underclearances          | Vert. <u>9</u>  |
|                          | Horiz. <u>7</u> |
| Safe Load Capacity       | <u>N</u>        |
| Waterway Adequacy        | <u>N</u>        |
| Approach Rdwy. Alignment | <u>N</u>        |

Widenable? Yes ☒ No ☐ Conditional ☐

Average Daily Traffic & Year 15,000 (FAU M037  
under) (1988)

Bypass Detour Length 3 miles

Action Required: Yes ☐ No ☒

Posting Required: None ☒ Load ☐

Speed ☐

Seismic Retrofit Incorporated in construction.

LOAD CAPACITY:

Structure carries pedestrian traffic only and load ratings do not apply.

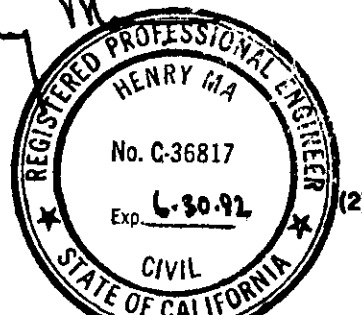
CONDITION OF STRUCTURE:

The structure is in good condition.

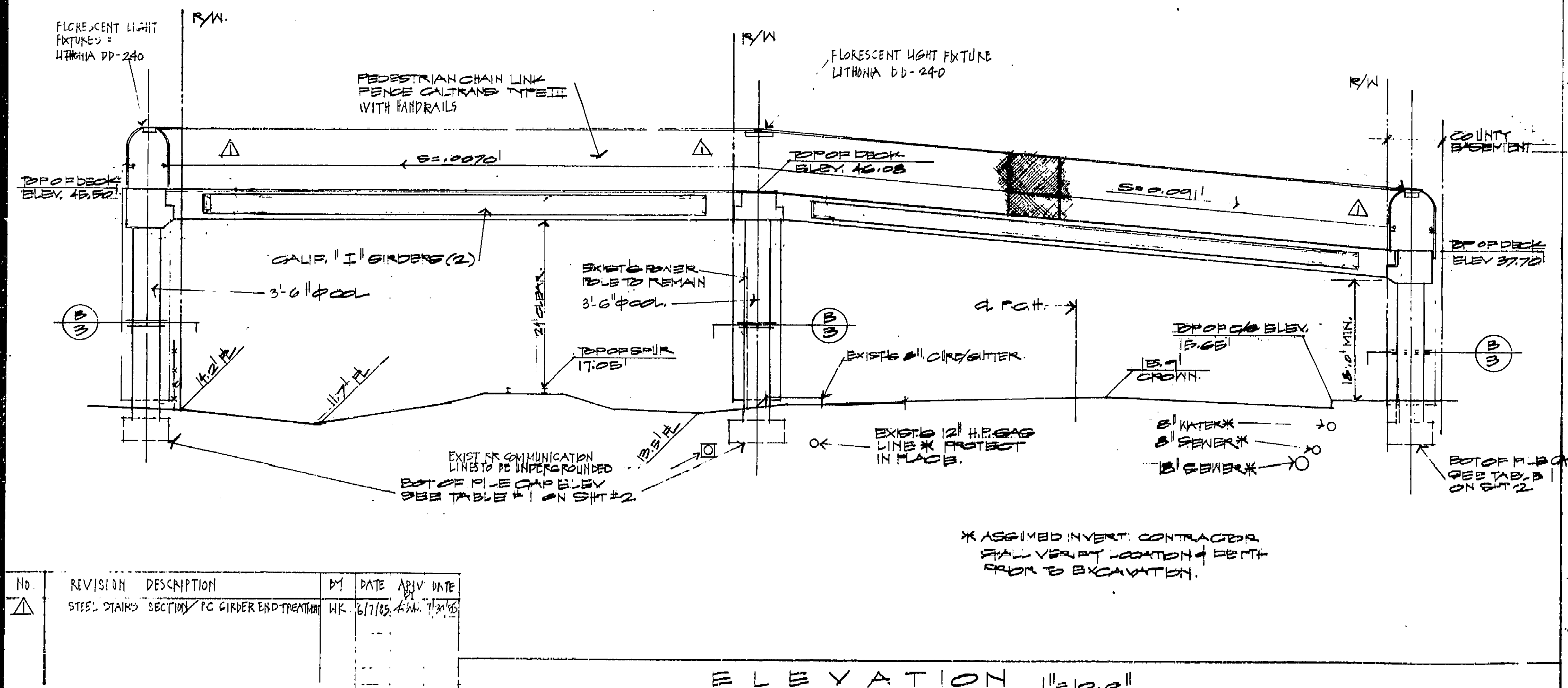
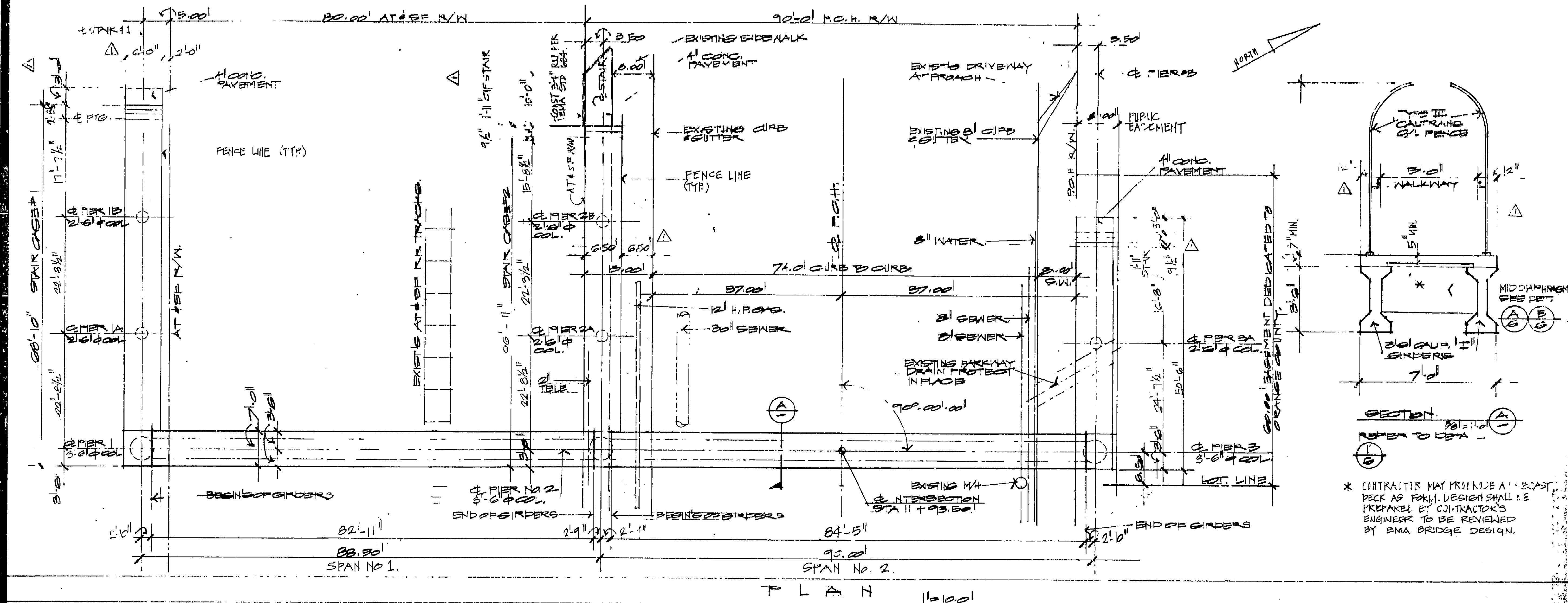
Henry Ma

HM/cd

cc: INagai (2)  
City of Dana Point (2)



AS BUILT PLANS  
Contract No. 82-55C-555  
Date Completed  
Document No. DIST 12



### GENERAL NOTES

- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CALTRANS STANDARD SPECIFICATION, JULY 1984 EDITION.
- DESIGN CRITERIA
  - DESIGN SPECIFICATION - AASHTO STANDARD SPEC, 1983
  - MATERIALS (SEE SHEET 6 FOR ADDITIONAL NOTES)
    - CEMENT - PORTLAND CEMENT TYPE II MODIFIED
    - GIRDERS - CALIFORNIA STANDARD "I"  $f'_c = 5500$  PSI
    - DIAPHRAGM  $f'_c = 2500$  PSI
    - CIP DECK  $f'_c = 4000$  PSI
    - COLUMNS, STAIRS, PILE CAPS  $f'_c = 4000$  PSI
    - PRECAST PILES  $f'_c = 4000$  PSI
    - STEEL REINFORCEMENTS  $F_y = 60$  KSI
    - PRESTRESSING STEEL - SEVEN WIRE  $F_{pu} = 270$  KSI
    - BOLTS  $F_{pi} = 0.70 F_{pu}$
    - STEEL SECTIONS  $A - 307$
    - $A - 36$
  - DESIGN LOADS
    - GIRDER DEAD LOAD - NORMAL WEIGHT CONCRETE
    - DECK AND BARRIER DEAD LOAD - NORMAL WEIGHT CONCRETE
    - LIVE LOAD - 85 PSF, NO REDUCTION
    - SEISMIC ZONE - III
- CONTRACTOR PRIOR TO WORK SHALL CONTACT UTILITY AGENCIES REGARDING POSSIBLE INTERFERENCES DURING PILE DRIVING OR ANY OTHER PART OF THE WORK. PIER NO 2 MAY HAVE INTERFERENCE WITH THE EXISTING POWER AND TELEPHONE OVERHEAD LINE, SAID INTERFERENCE SHALL BE RESOLVED TO THE SATISFACTION OF THE UTILITY AGENCIES.
- THE STAIR LANDING GRADES ARE BASED ON PRELIMINARY TOPO INFORMATION, WHICH MAY BE DIFFERENT FROM THE ACTUAL FIELD GRADES. CONTRACTOR SHALL VERIFY THOSE GRADES PRIOR TO ANY STAIR WORK WHERE STAIRS HAVE TO MATCH. IF DISCREPANCY IS DISCOVERED, IT SHALL BE REPORTED TO THE ENGINEER.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON CONCRETE REINFORCEMENT PLACEMENTS, STRUCTURAL DIMENSIONING AND DETAIL PLANS TO OWNER'S ENGINEERS FOR REVIEW PRIOR TO FABRICATION.

THESE PLANS WERE PREPARED BY THE ENGINEER, BASED ON THE INFORMATION PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED. THE ENGINEER'S RESPONSIBILITY IS LIMITED TO THE DESIGN OF THE BRIDGE STRUCTURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE BRIDGE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE BRIDGE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

FORBES MANSHADI ENG.  
STRUCTURAL DESIGN & CONSULTING  
1033 E. 17TH ST. SUITE 200  
SANTA ANA, CA. 92701  
(714) 843-8831

PREPARED UNDER THE  
SUPERVISION OF  
4/1/85  
DATE 1/25/85



EMA-PUBLIC WORKS

APPROVED: *Carl Nelson* 1/24/85  
DATE: 2-3-85

THIS PLAN IS SIGNED BY EMA / PUBLIC WORKS FOR CONCEPT AND ADHERENCE TO COUNTY STANDARDS AND REQUIREMENTS ONLY. EMA / PUBLIC WORKS IS NOT RESPONSIBLE FOR DESIGN, ASSUMPTIONS, OR ACCURACY.

55C-555

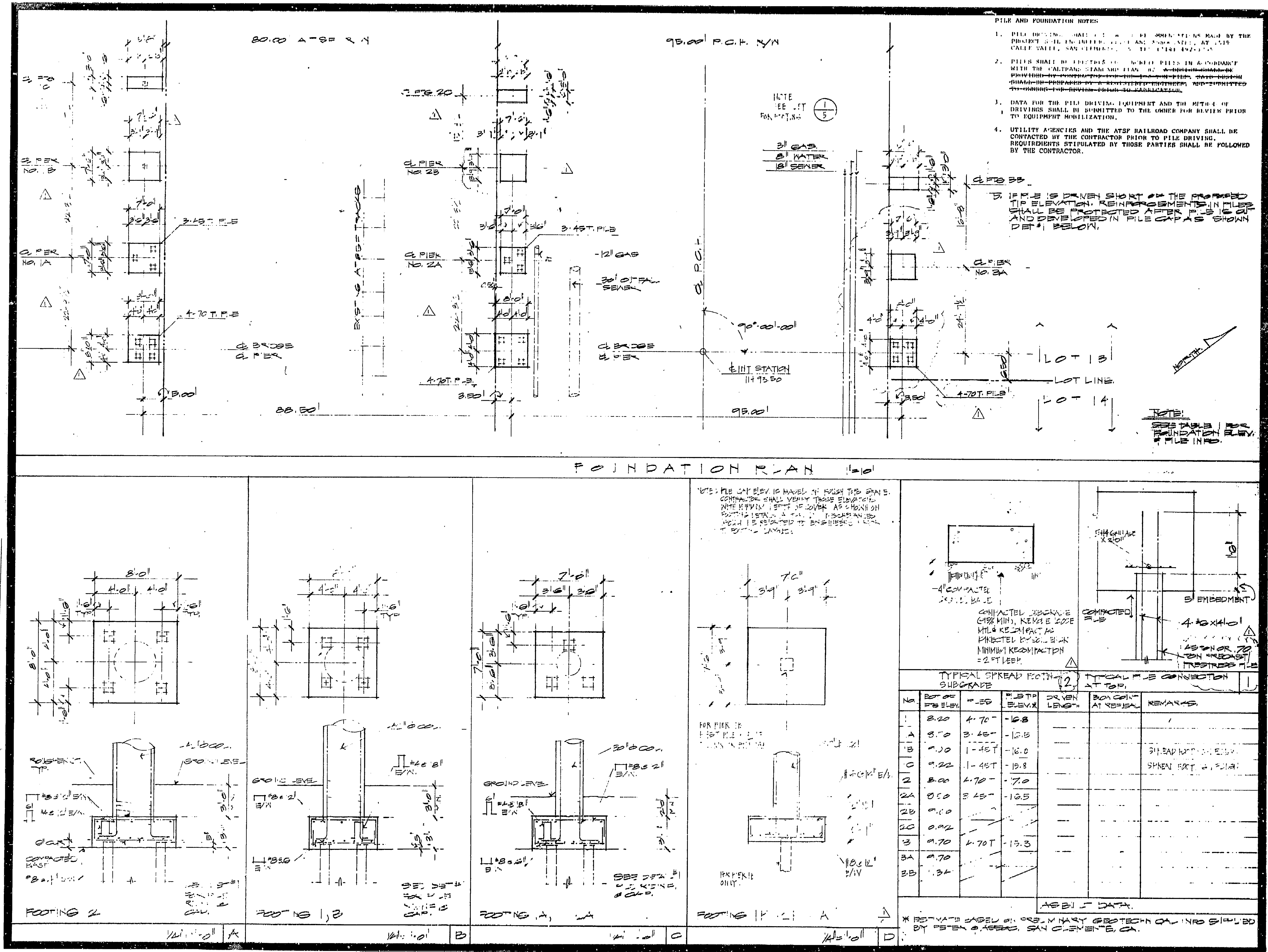
FILE # 285-347  
5-13-85

SHEET 7

29X

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT, PREPARED UNDER MY DIRECTION AND CONTROL, ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.  
3-29-90  
Daniel Blackford  
MICROFILM SERVICES

**AS BUILT PLANS**  
 Contract No. **B-55C-555**  
 Date Completed  
 Document No. **DIST 12**



- PILE AND FOUNDATION NOTES**
1. PILE DRIVING SHALL BE DONE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THE CALIFORNIA PILE DRIVING SPECIFICATIONS.
  2. PILES SHALL BE DRIVEN TO THE REQUIRED ELEVATION WITH THE CALIFORNIA STANDARD PILE DRIVER. THE PILES SHALL BE DRIVEN TO THE REQUIRED ELEVATION AND THE PILES SHALL BE DRIVEN TO THE REQUIRED ELEVATION AND THE PILES SHALL BE DRIVEN TO THE REQUIRED ELEVATION.
  3. DATA FOR THE PILE DRIVING EQUIPMENT AND THE PILES OF DRIVING SHALL BE SUBMITTED TO THE OWNER FOR REVIEW PRIOR TO EQUIPMENT MOBILIZATION.
  4. UTILITY AGENCIES AND THE ATSP RAILROAD COMPANY SHALL BE CONTACTED BY THE CONTRACTOR PRIOR TO PILE DRIVING. REQUIREMENTS STIPULATED BY THOSE PARTIES SHALL BE FOLLOWED BY THE CONTRACTOR.

**FORBES MANSHADI ENG.**  
 STRUCTURAL DESIGN & CONSULTING  
 1833 E. 17TH ST. SUITE 400  
 SANTA ANA, CA. 92701  
 (714) 843-8831

**CASTRANO SURETY INC.**  
 P.O. BOX 1000, OVERLAND PARK, KS 66201

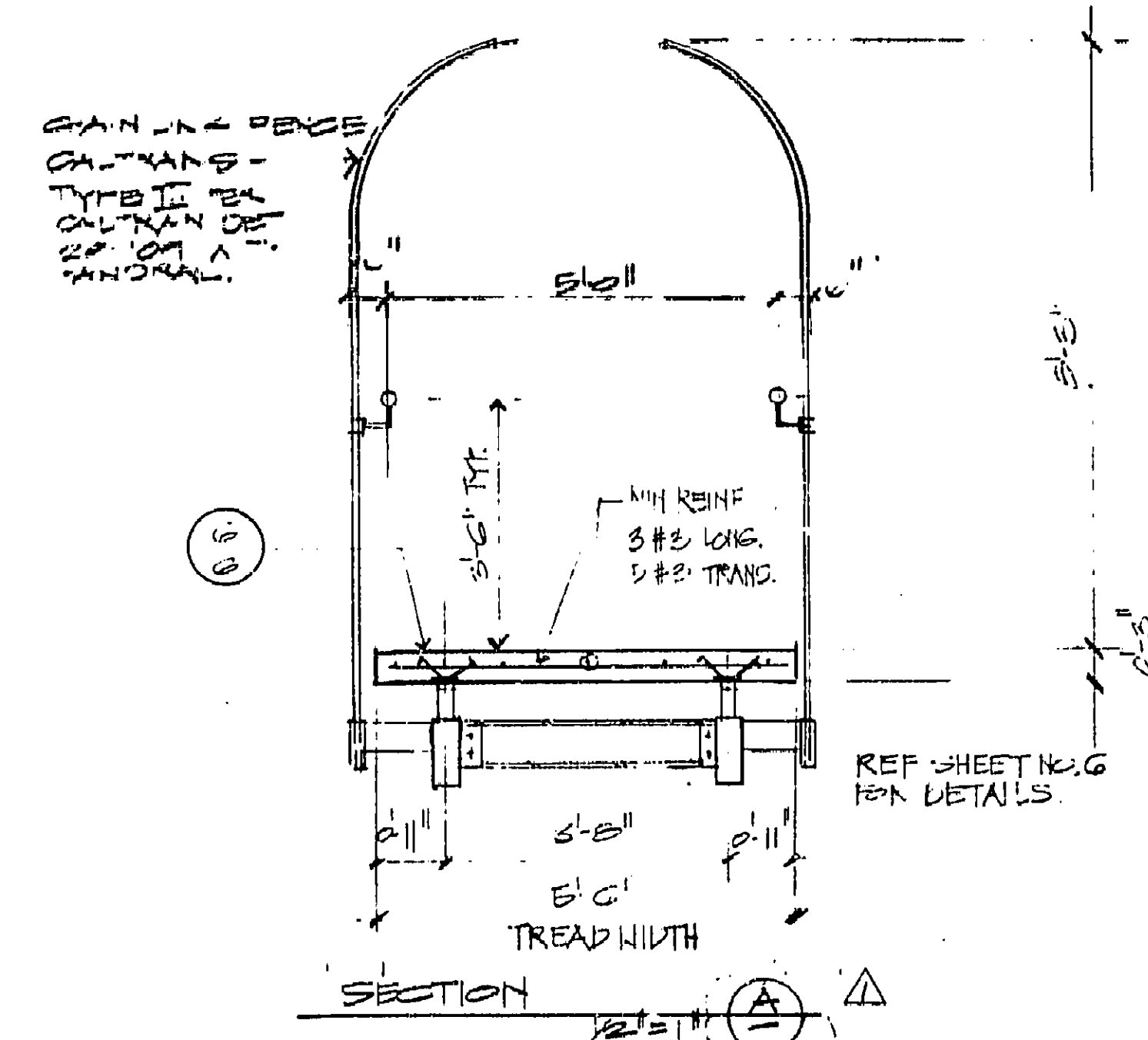
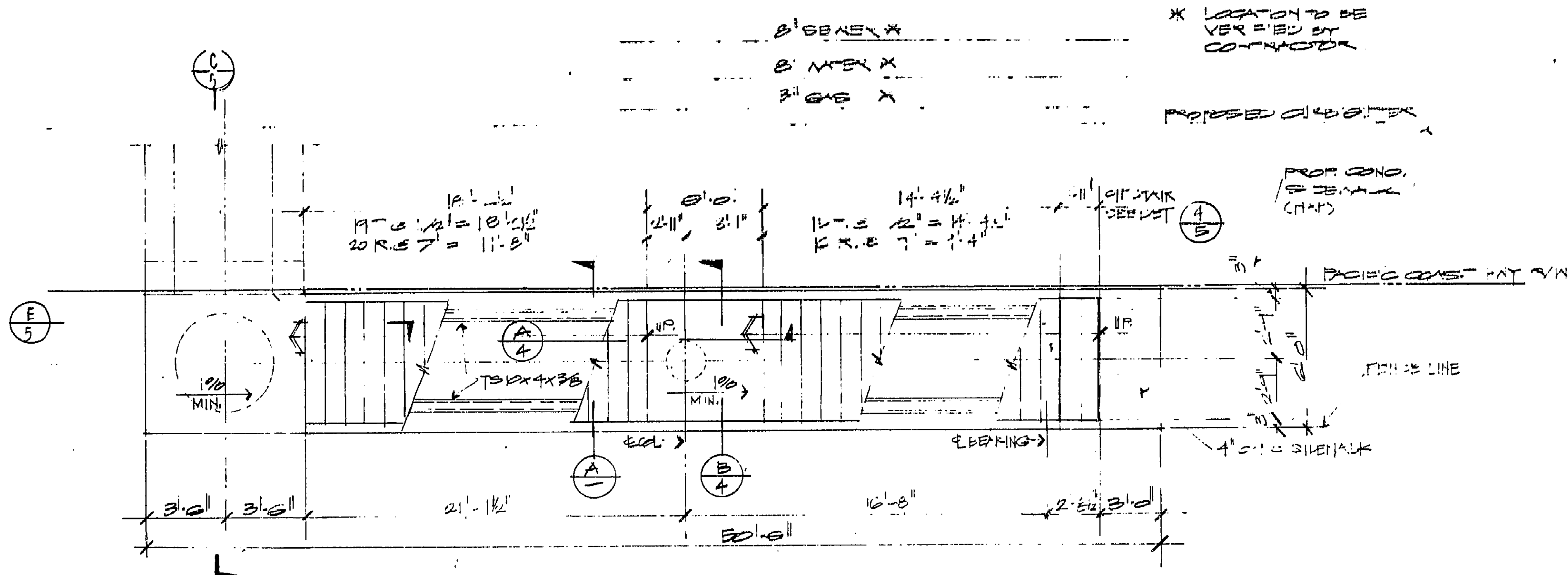
**55C-555**

**PMG 225-567**  
 5-13-85

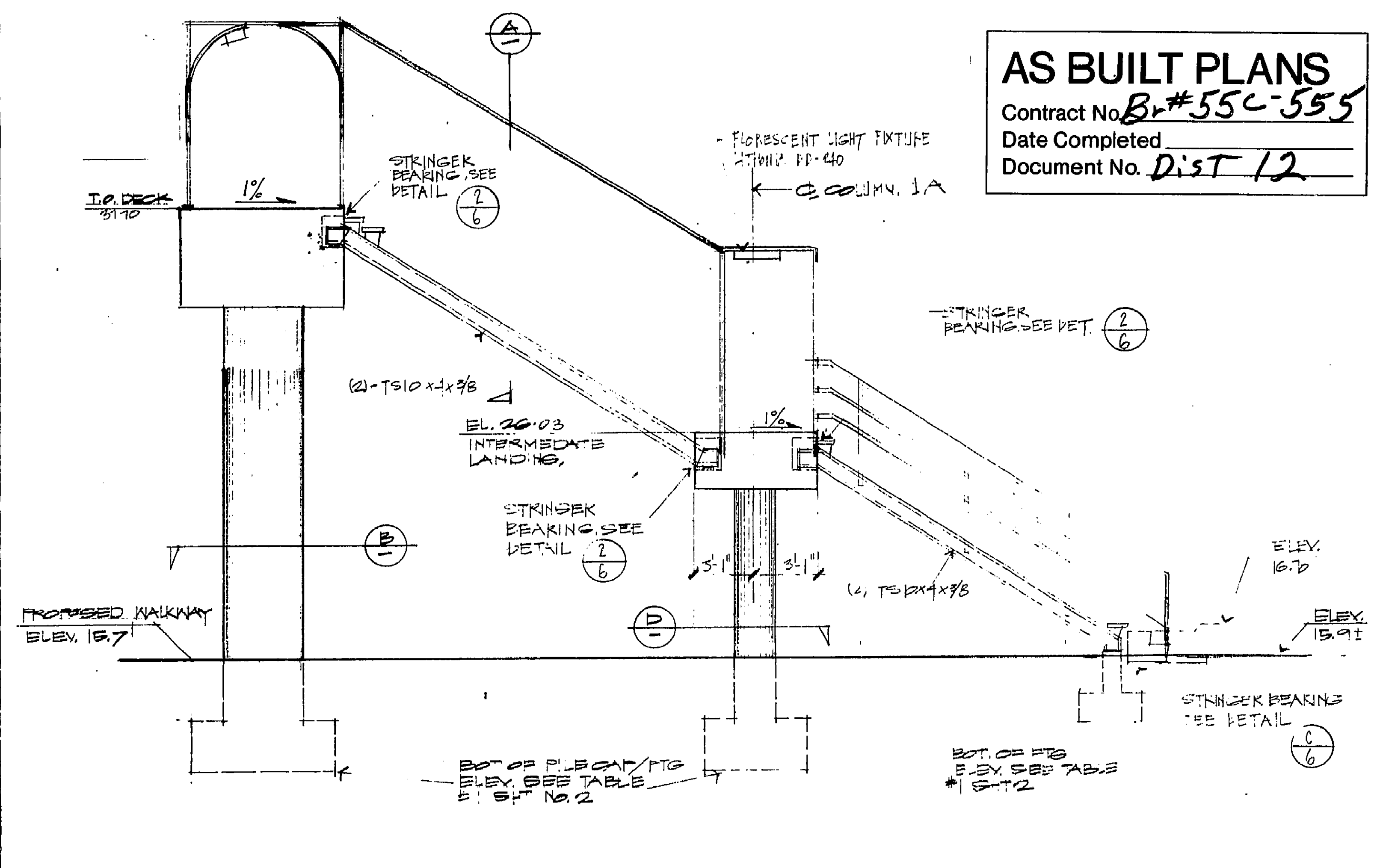
**SHT 2 OF 7**

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

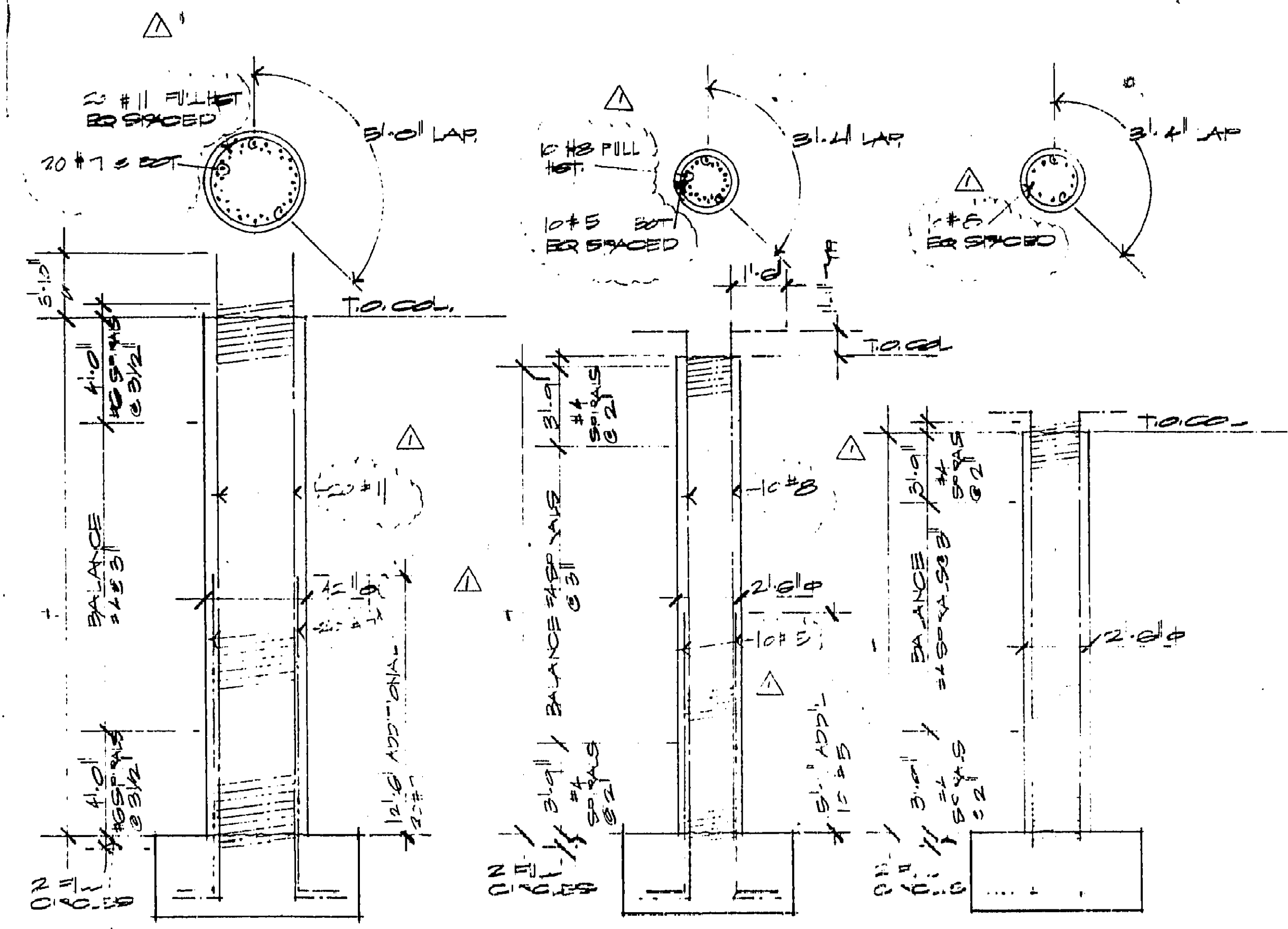
DATE: **3-26-90** SIGNATURE: **Donald Blackford** TITLE: **SUPERVISOR OF MICROFILM SERVICES**



PLAN 1/4" = 1'-0"



**AS BUILT PLANS**  
 Contract No. **B-55C-555**  
 Date Completed  
 Document No. **DIST 12**



NORTH ELEVATION 1/4" = 1'-0"

**FORBES MANSHADI ENG.**  
 STRUCTURAL DESIGN & CONSULTING  
 1822 E. 17TH ST. SUITE #208  
 SANTA ANA, CA 92701  
 (714) 843-8331

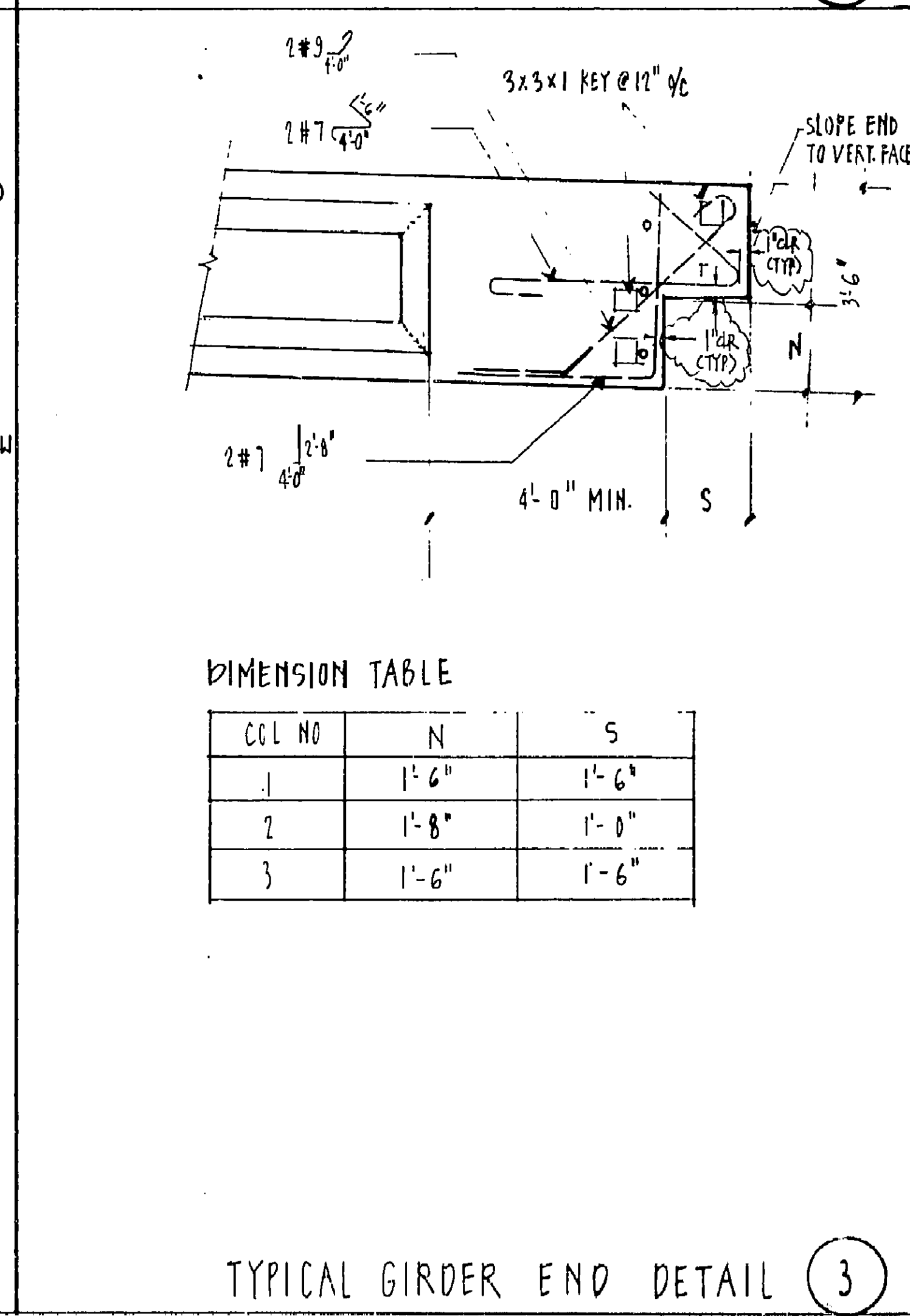
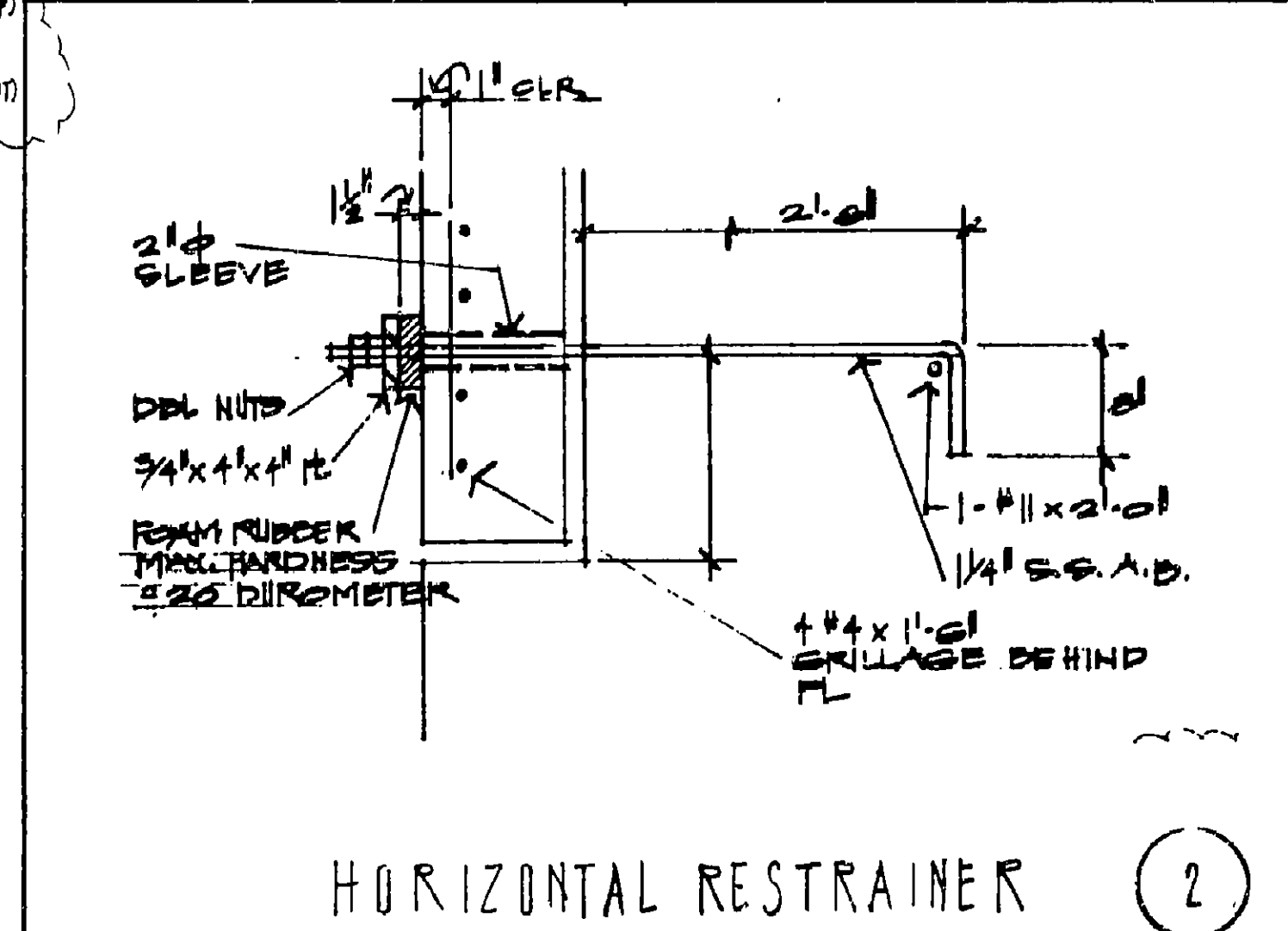
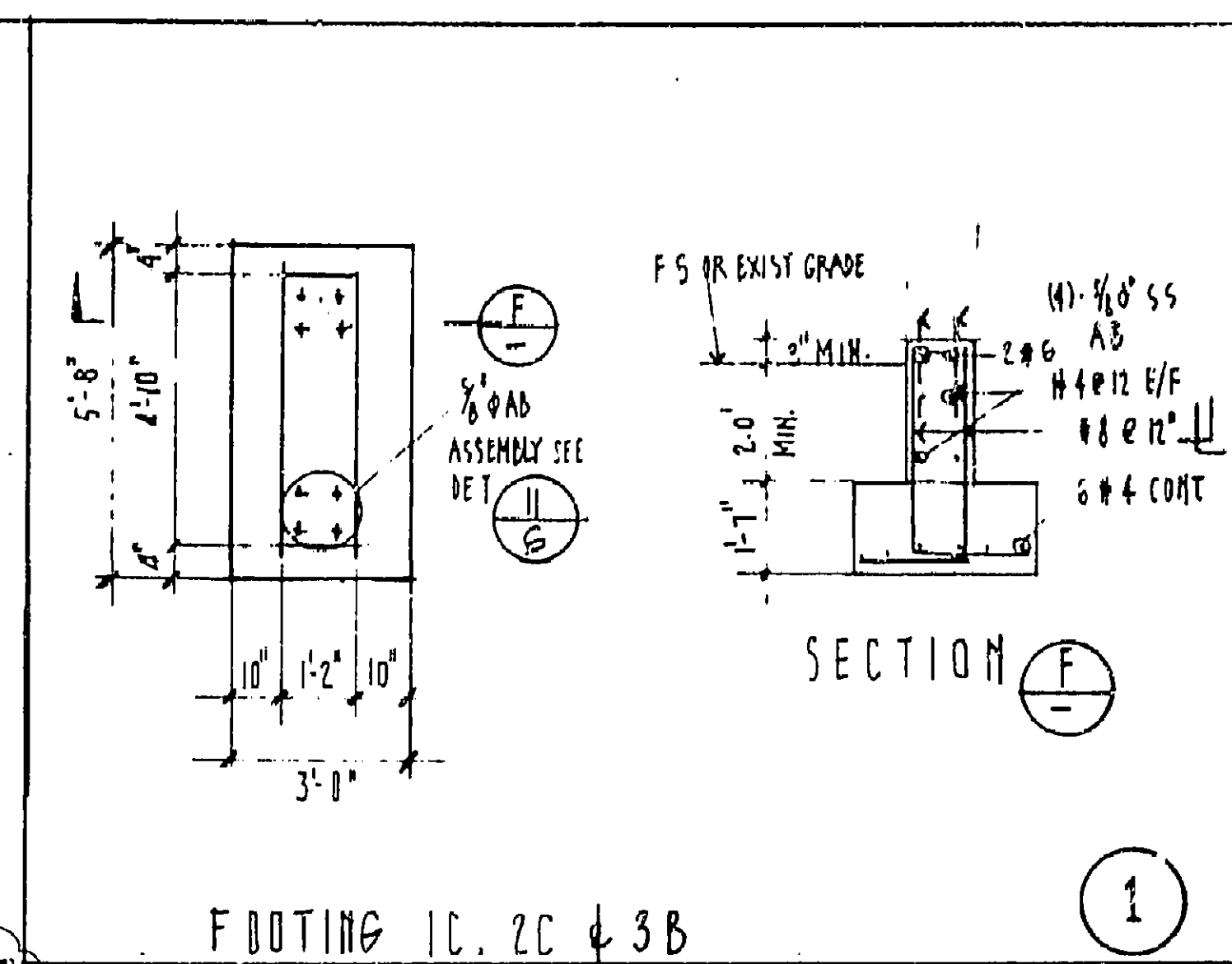
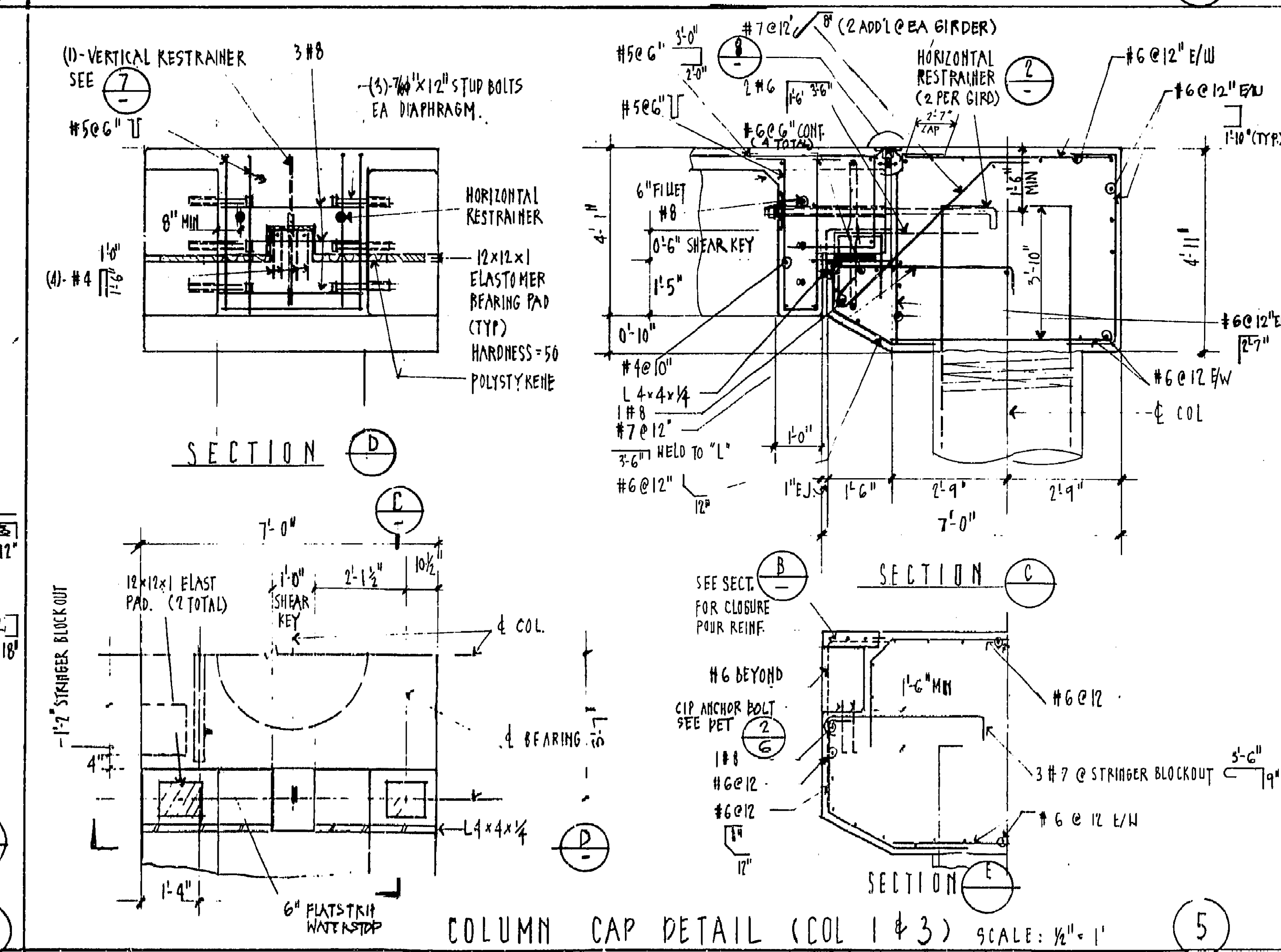
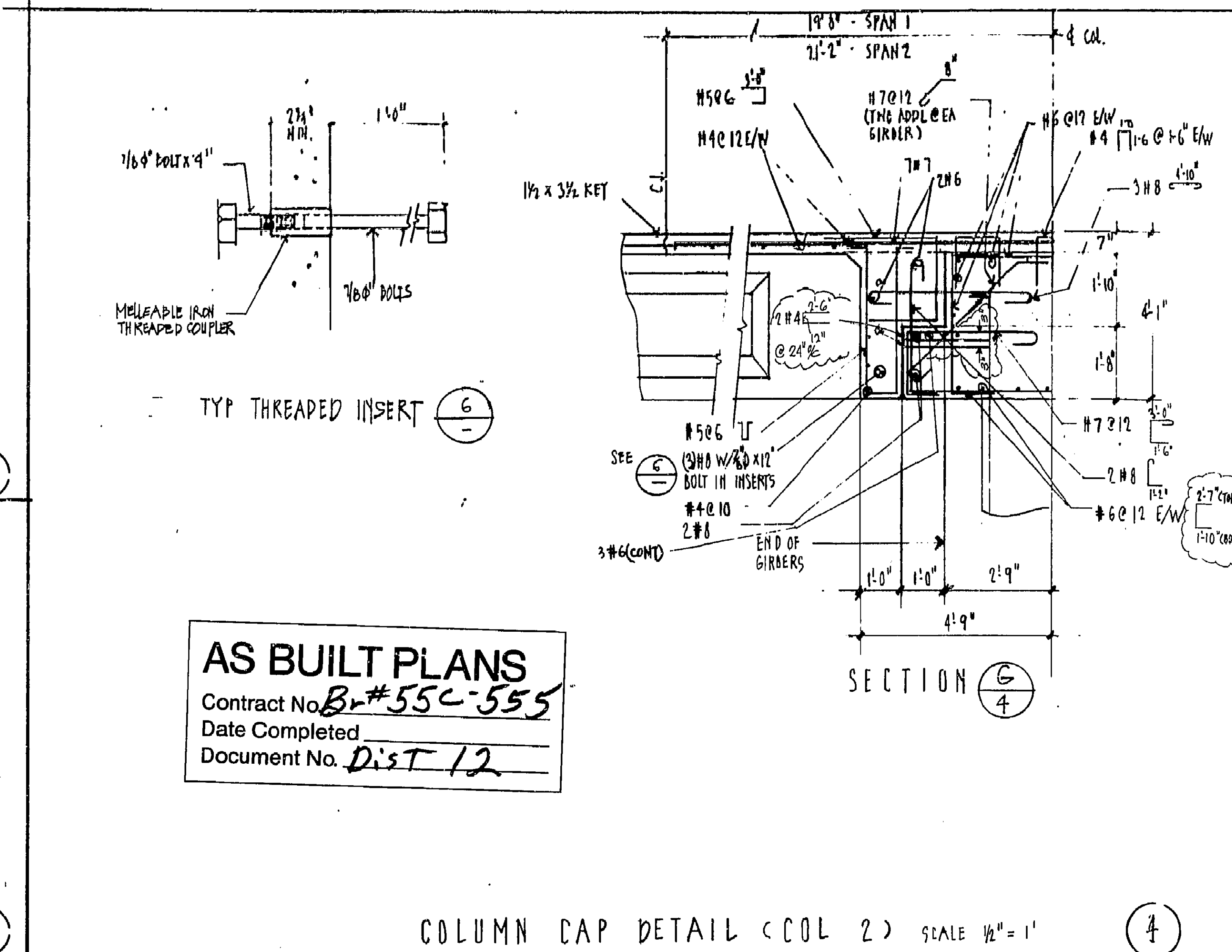
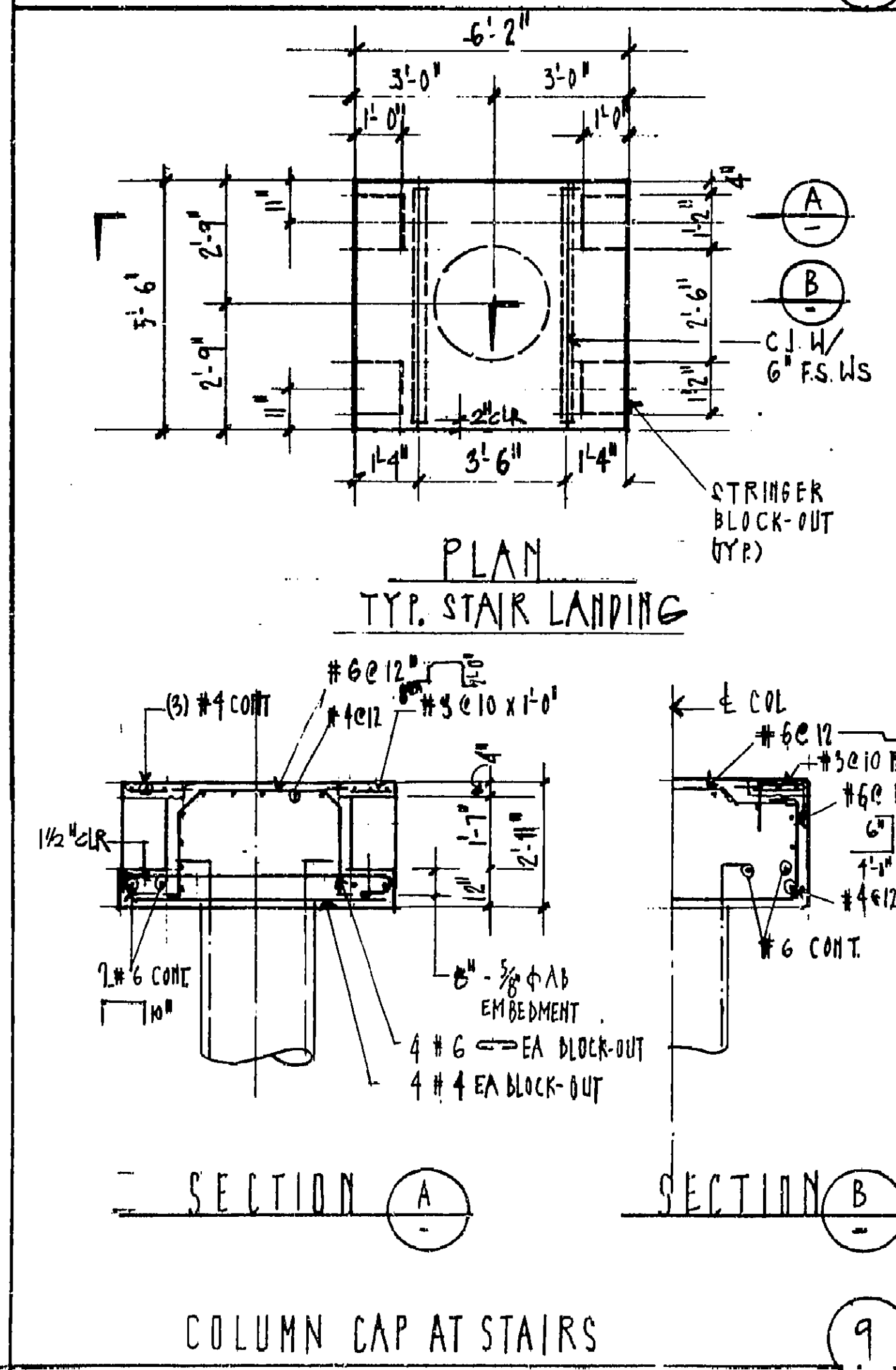
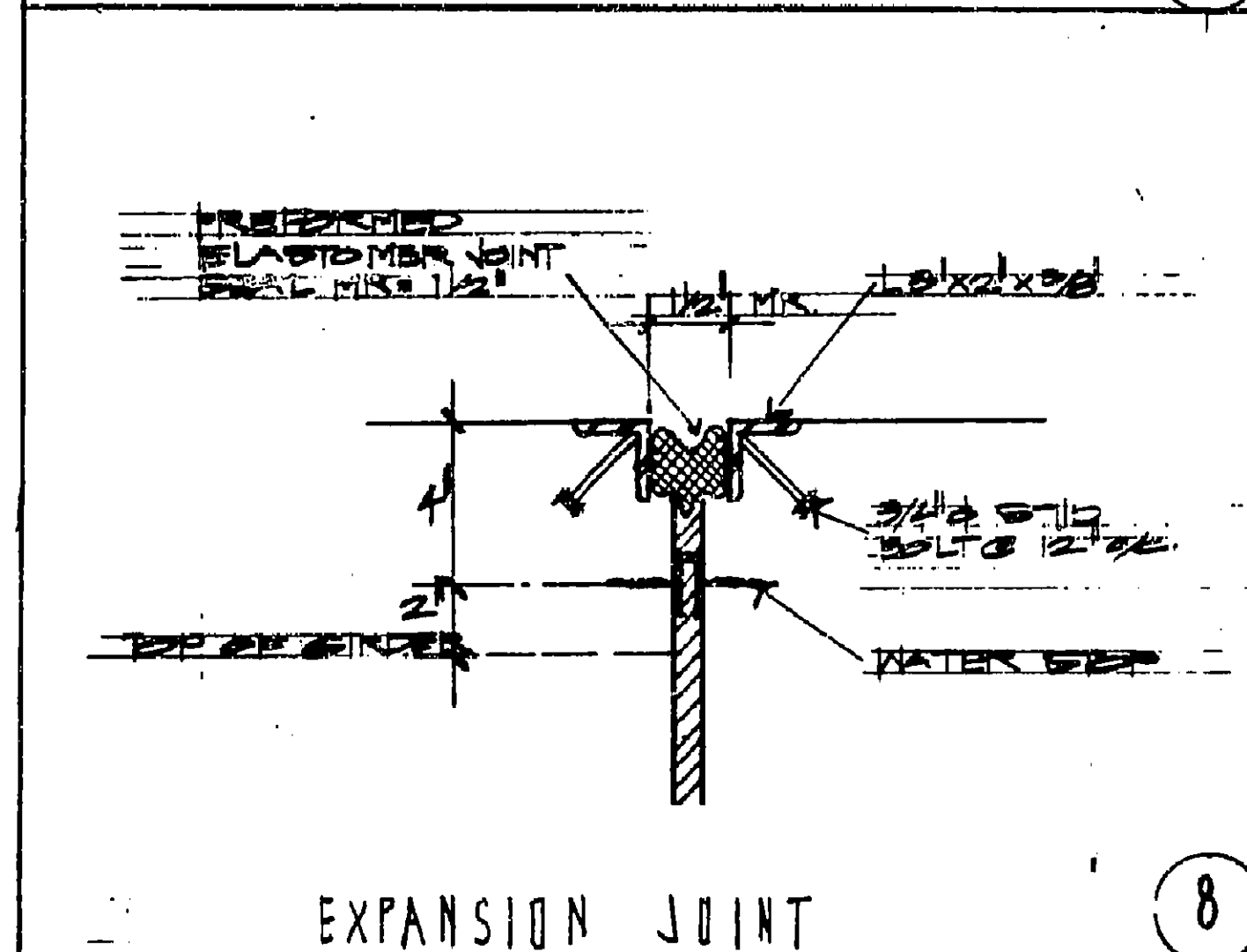
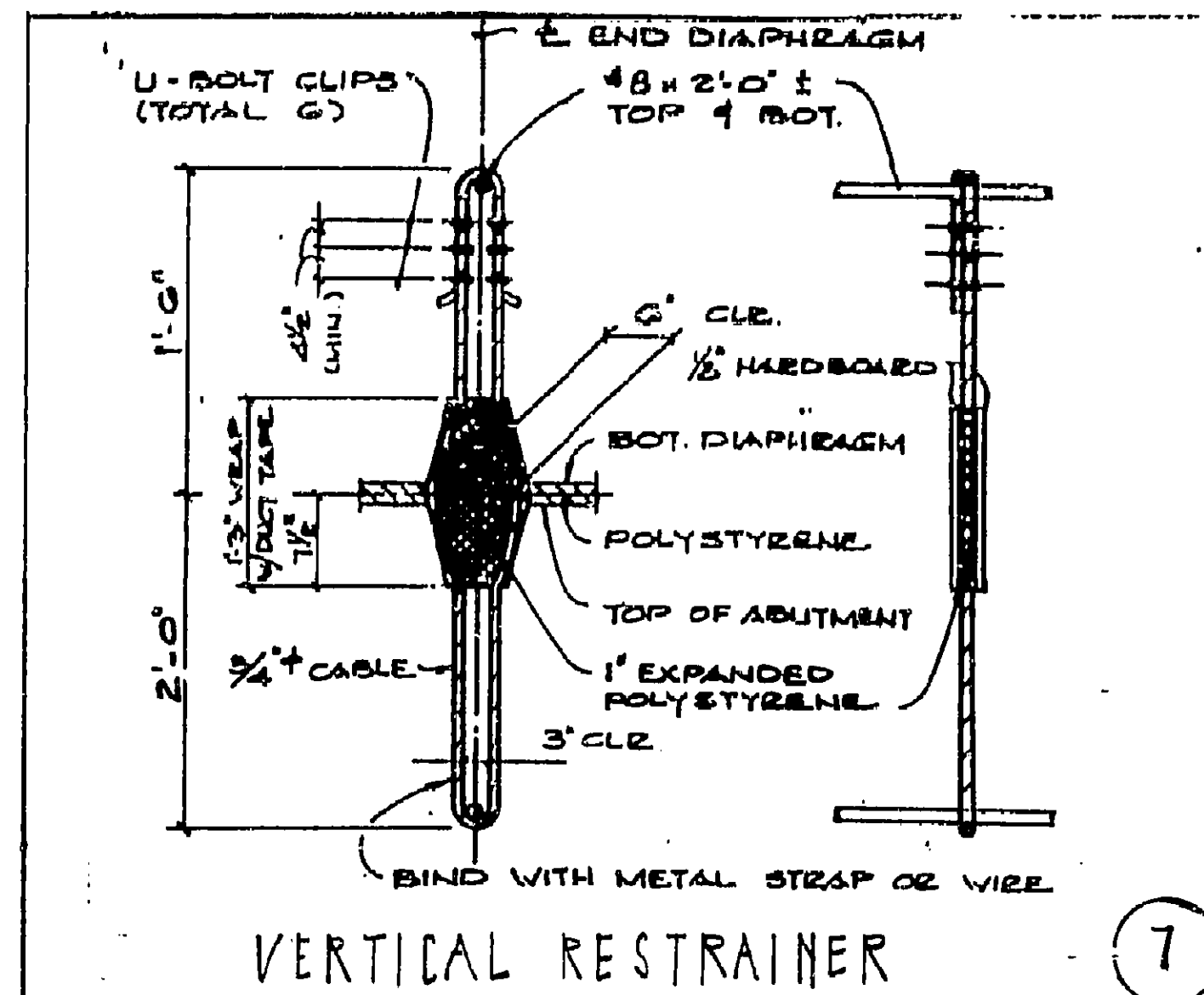
CAPITRANO SURF SIDE INH  
 PCH PEDESTRIAN OVERCROSSING

55C-555

FILE 145-167  
 1-17-85  
 1-20-87

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.  
 DATE 3-26-90  
 SUPERVISOR OF MICROFILM SERVICES





DIMENSION TABLE

| COL NO | N     | S     |
|--------|-------|-------|
| 1      | 1'-6" | 1'-6" |
| 2      | 1'-8" | 1'-0" |
| 3      | 1'-6" | 1'-6" |

CAPISTRAN SURSIDE INN  
P.C.H. PEDESTRIAN OVERPASSING

55C-555

SHTS OF 7

29X

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

3-26-90

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3-26-90

1. STRUCTURAL STEEL SHALL CONFORM TO ASTM A-368 OR A54E. ~~PIPE~~ PIPES SHALL CONFORM TO ASTM A-500. GRADE A MINIMUM. FABRICATION AND ERECTION SHALL COMPLY WITH 1978 AISC SPECIFICATION.

2. WELDING SHALL CONFIRM TO AWS STANDARD PRACTICE USING ELECTRIC ARC PROCESS WITH E-70 ELECTRODES AND PERFORMED BY CERTIFIED WELDERS. ALL FILLET WELD SHALL BE 3/16 INCH MINIMUM, UNLESS OTHERWISE NOTED ON PLANS. ALL BUTT WELD SHALL BE FULL PENETRATION WELD. CONTINUOUS INSPECTION REQUIRED FOR FIELD WELDINGS.

3. BOLTS SHALL COFORM TO ASTM A-307. ALL ANCHOR BOLTS SHALL CONFORM TO IFI-104, GRADE 303 OR 306. ANCHOR BOLTS SHALL BE PRESET IN CONCRETE PRIOR TO POUR. FABRICATOR SHALL PROVIDE A BOLT TEMPLATE TO THE FIELD PERSONNEL FOR ANCHOR BOLT ASSEMBLIES.

4. ALL STRUCTURAL STEEL ~~SHALL BE PROVIDED WITH~~ SHALL BE PROVIDED WITH THE FOLLOWING MINIMUM PROTECTIVE COATING SPECIFICATION.

- A. PRIMER: TWO COATS EPOXY PRIMER, MINIMUM 3 MIL PER COAT, 13-R-62 BY MORIL OR EQUAL.

- B. TOPCOAT: TWO COATS HI-BUILD EPOXY, MINIMUM 4 MIL PER COAT, HI-BUILD EPOXY 89 SERIES BY MOBIL OR EQUAL.

COLOR FOR THE TOPCOAT WILL BE SPECIFIED BY OWNER.

5. WALKWAY FENCINGS SHALL BE GALVANIZED AND EPOXY COATED. ALTERNATIVE OF VINYL COATED FENCINGS IS ACCEPTABLE.

6. METAL SURFACE PREPARATION SHALL FOLLOW MANUFACTURE'S RECOMMENDATION, (AS A MINIMUM ~~THE~~ STEEL SURFACE SHALL BE BLAST CLEAN TO COMMERCIAL GRADE PER SSPC ST-6 STANDARD.)

7. CERTIFICATION OF MINIMUM PROTECTIVE COATING MEETING REQUIRED MIL SPECIFICATIONS OF NOTE 4 ABOVE, SHALL BE SUBMITTED TO EMA.

**ADDITIONAL GENERAL NOTES**

1. Reinforced concrete shall be prepared in accordance with Standard Specification Section 90. All structural concrete shall be class D, containing minimum of 658 pounds of cement per cubic yard mixed.

2. Mix design prequalification is required. The report shall be provided to engineer for review prior to placement in accordance with the Standard Specification Section 90-9. Field samplings and testings shall be done in accordance with the Standard Specification Section 90-9.01.

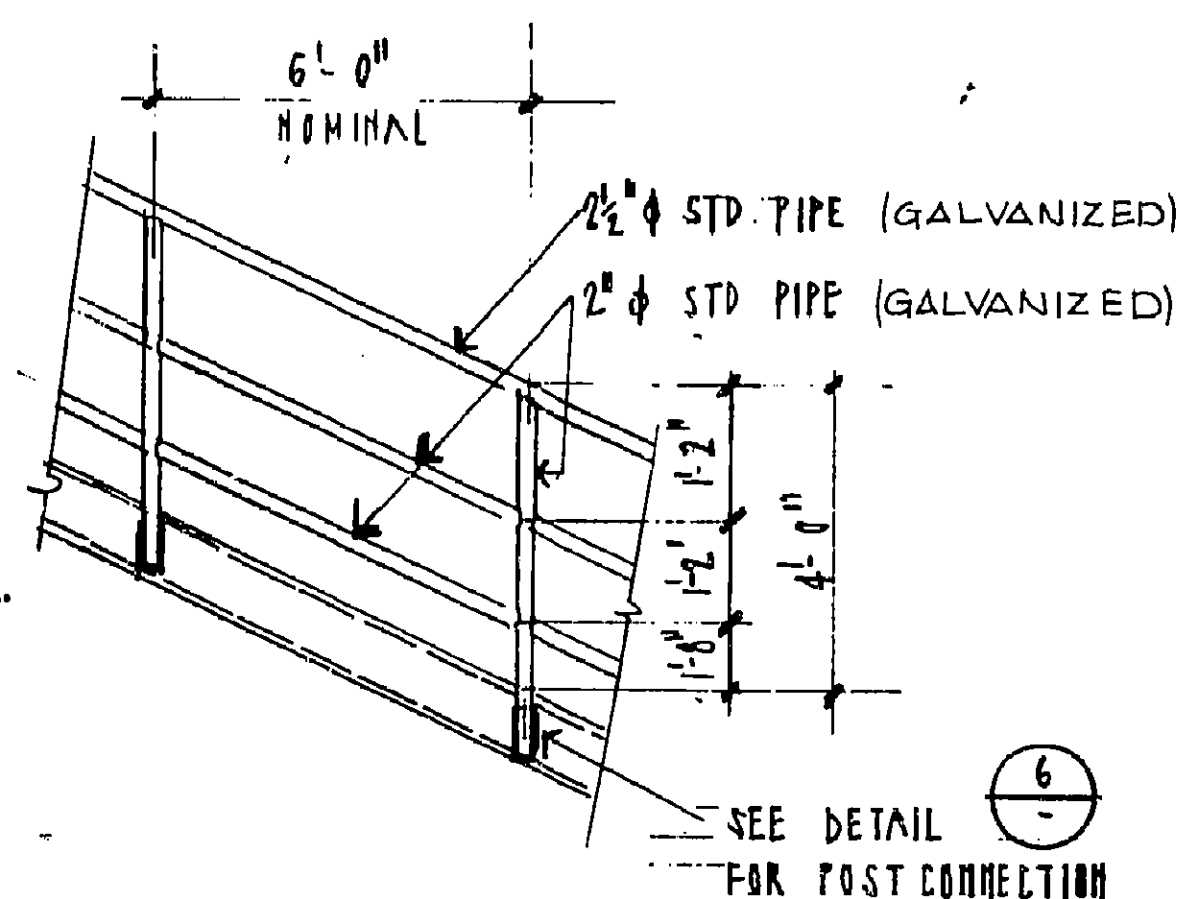
3. Elastomer bearing pads shall be fabric reinforced neoprene as specified in the Standard Specification Section 51-1.12H(1)

4. All exposed concrete shall have class 1 finishings, with the execution of the walking surface. All walking surface and stair treads shall receive a nonskid abrasive aggregate finish as specified in Standard Specification Section 51-1.20. Furthermore, a coat of non-ferrous floor hardener such as Burke Product No. 326 shall be applied to all walking surface.

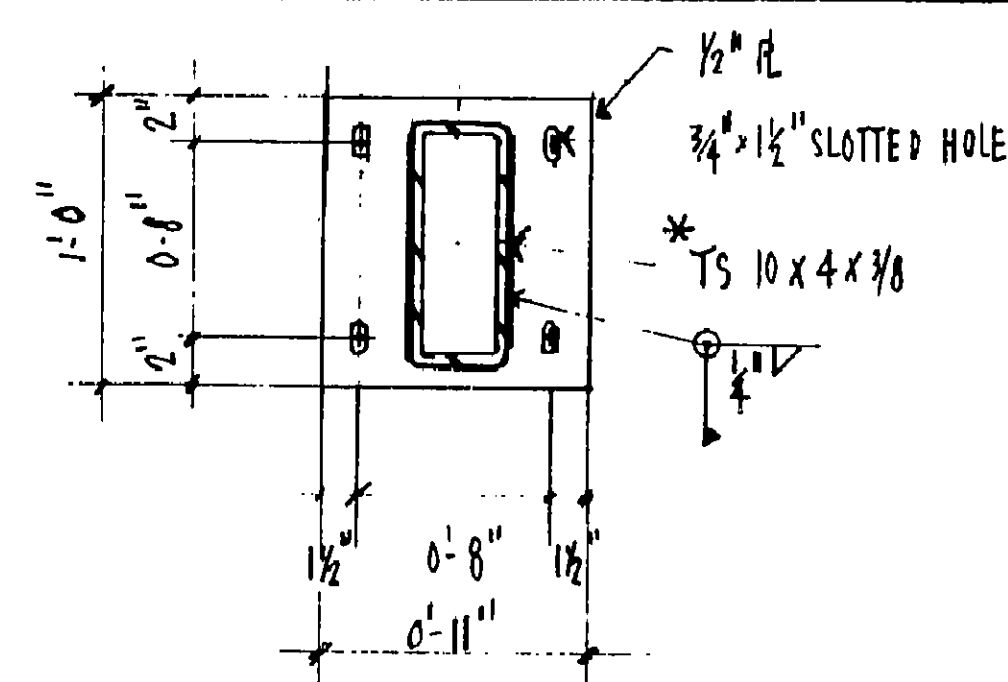
5. CONCRETE MIX SHALL CONTAIN THE FOLLOWING PROPERTIES.

- ENTRAINED AIR : 5%  $\pm$  1% MINIMUM
- WATER/CEMENT RATIO : 0.48 MAXIMUM

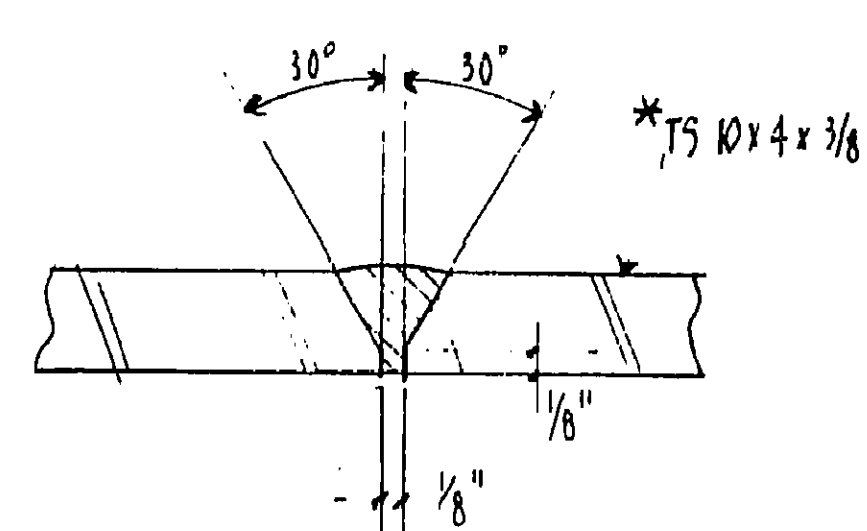
\* PRIOR TO FABRICATION CONTRACTOR MAY SUBSTITUTE, IN LIEU OF ST 10x4x3/8, AN ALTERNATE STRUCTURAL SHAPE MEETING THE DESIGN CRITERIA AND LOADING AND SUBJECT TO APPROVAL BY THE ENGINEER AND EMA.



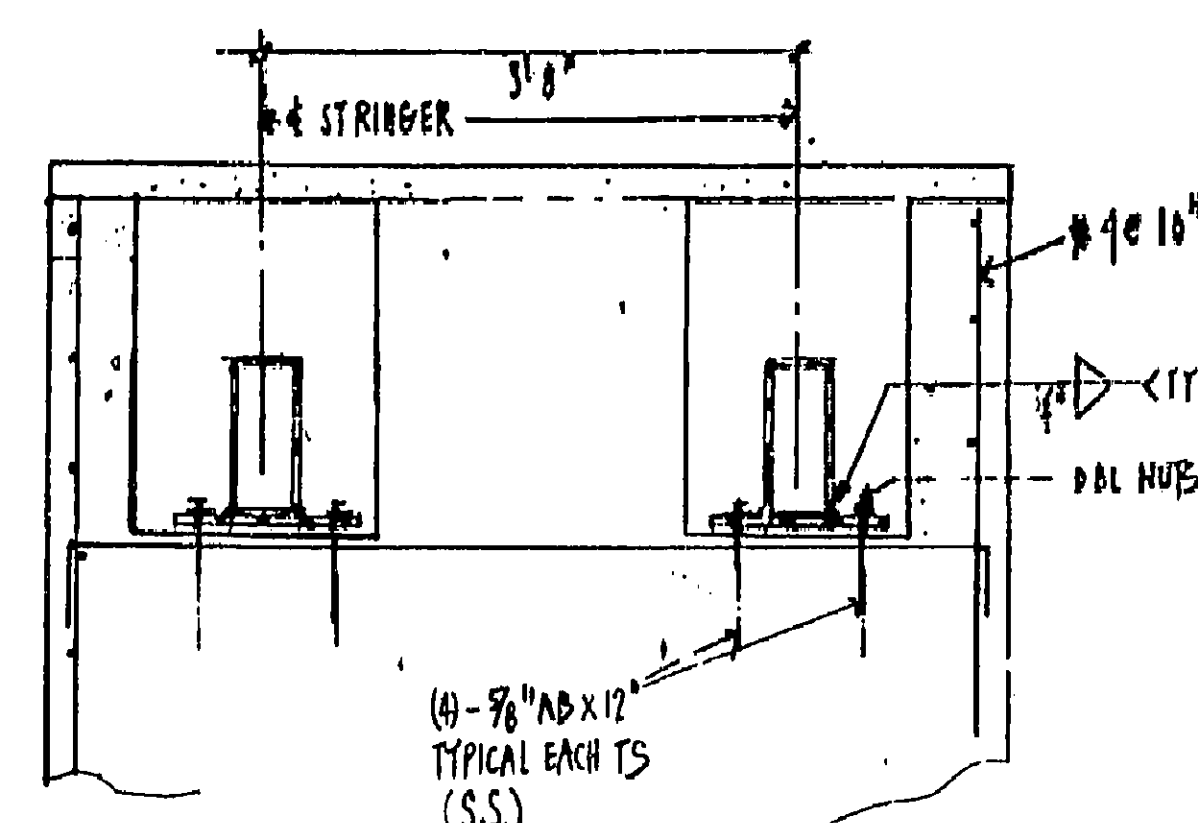
### TYPICAL STAIR HANDRAIL



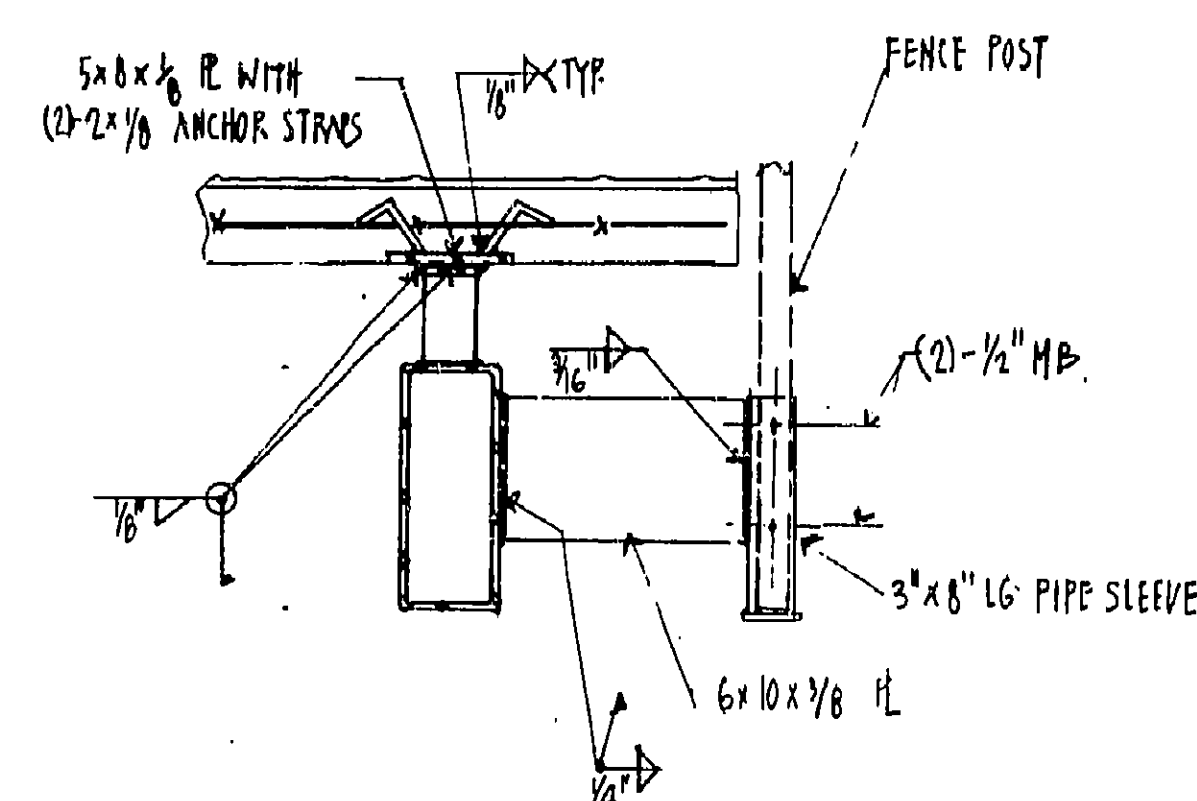
STRINGER ANCHOR PLATE



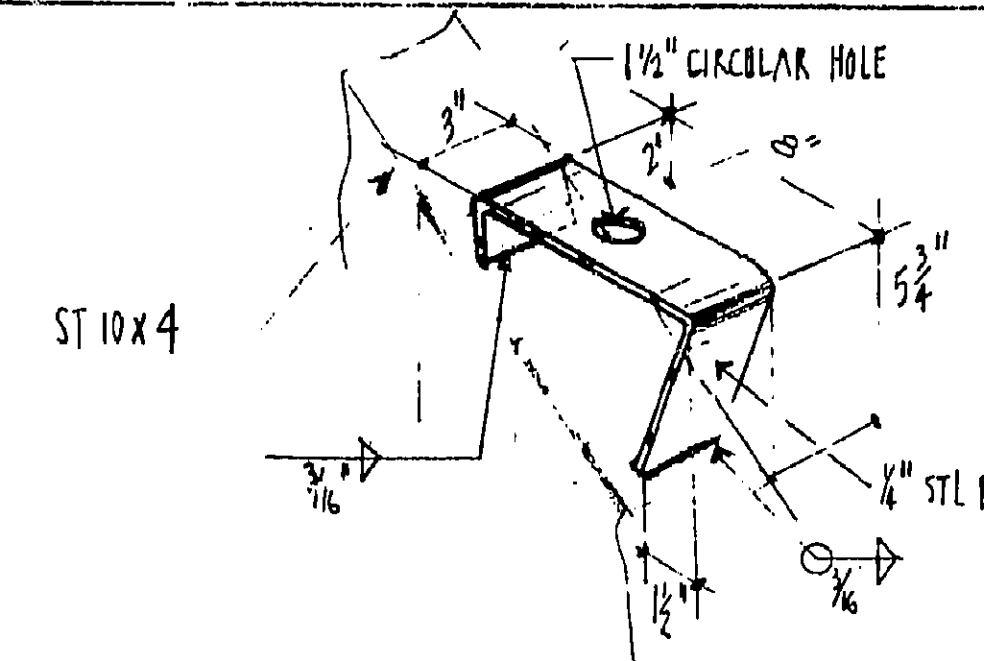
TYPICAL WELD SPLICE



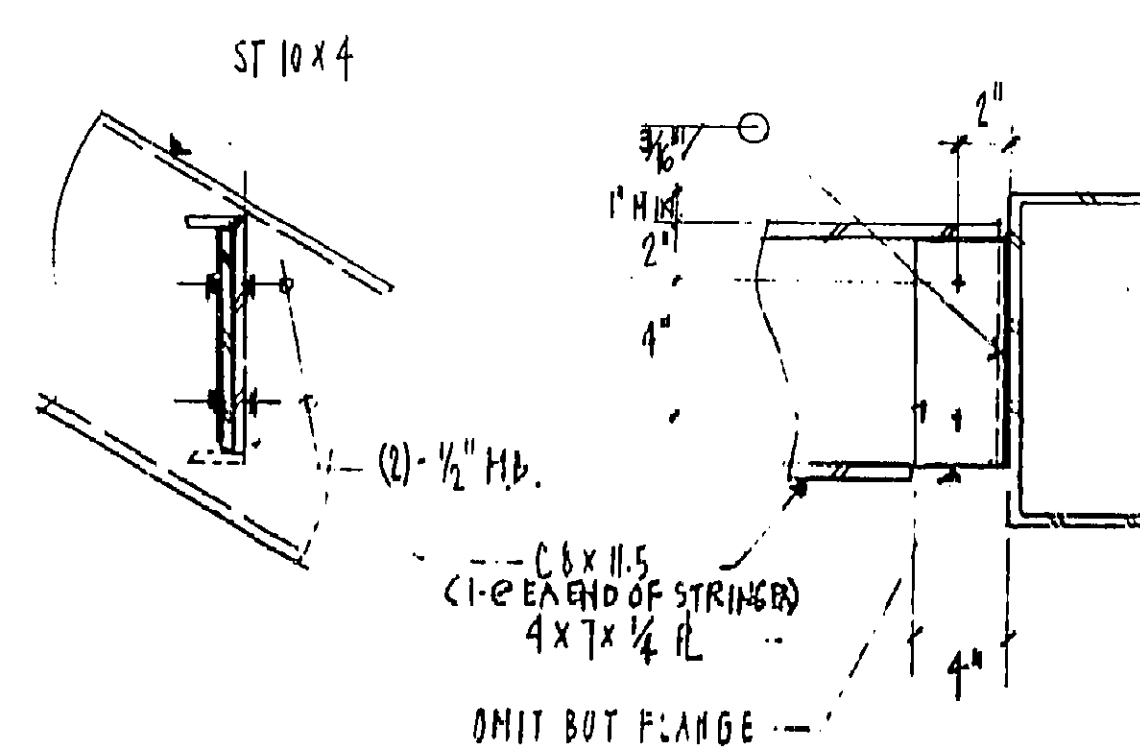
SECTION



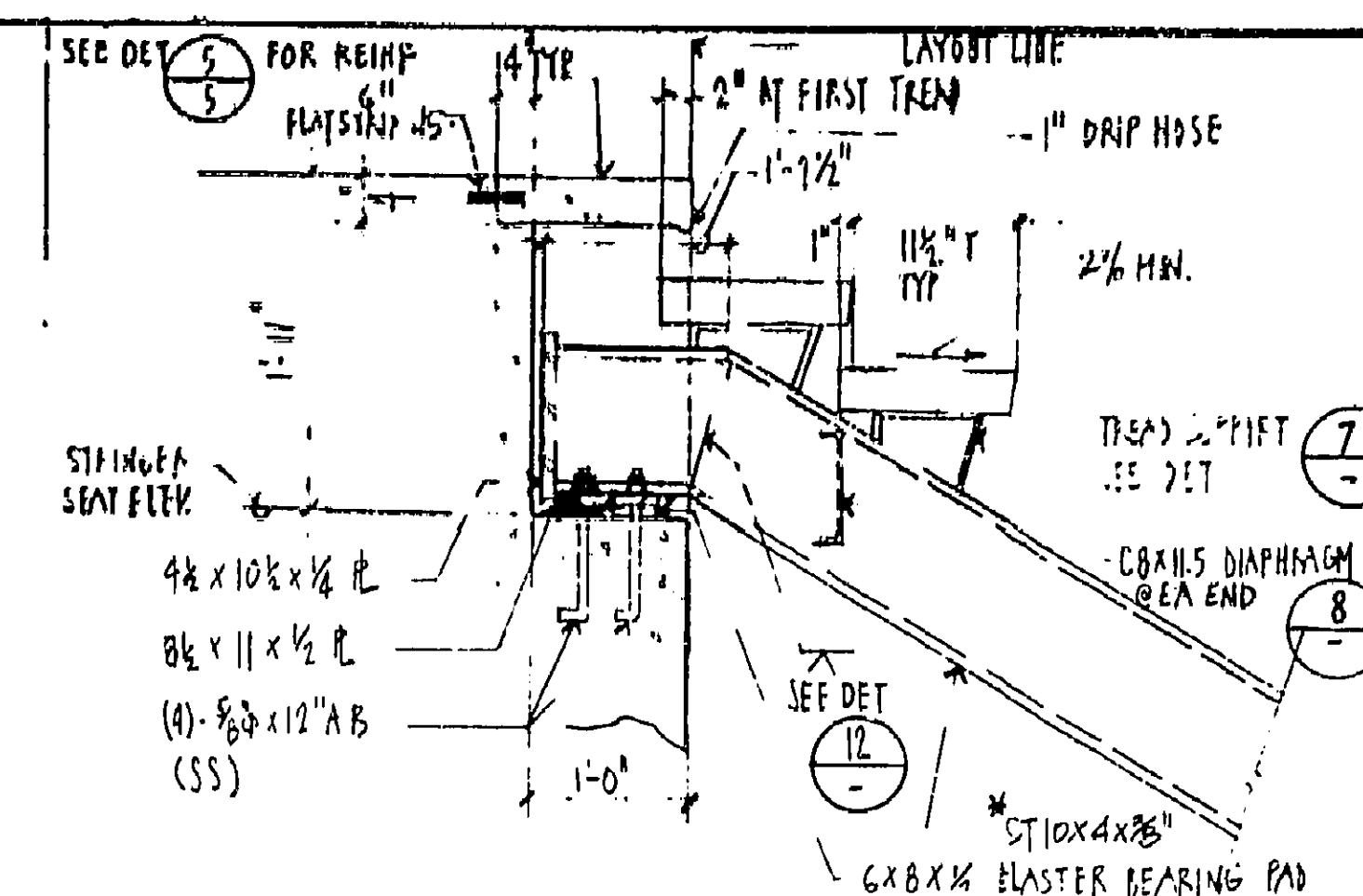
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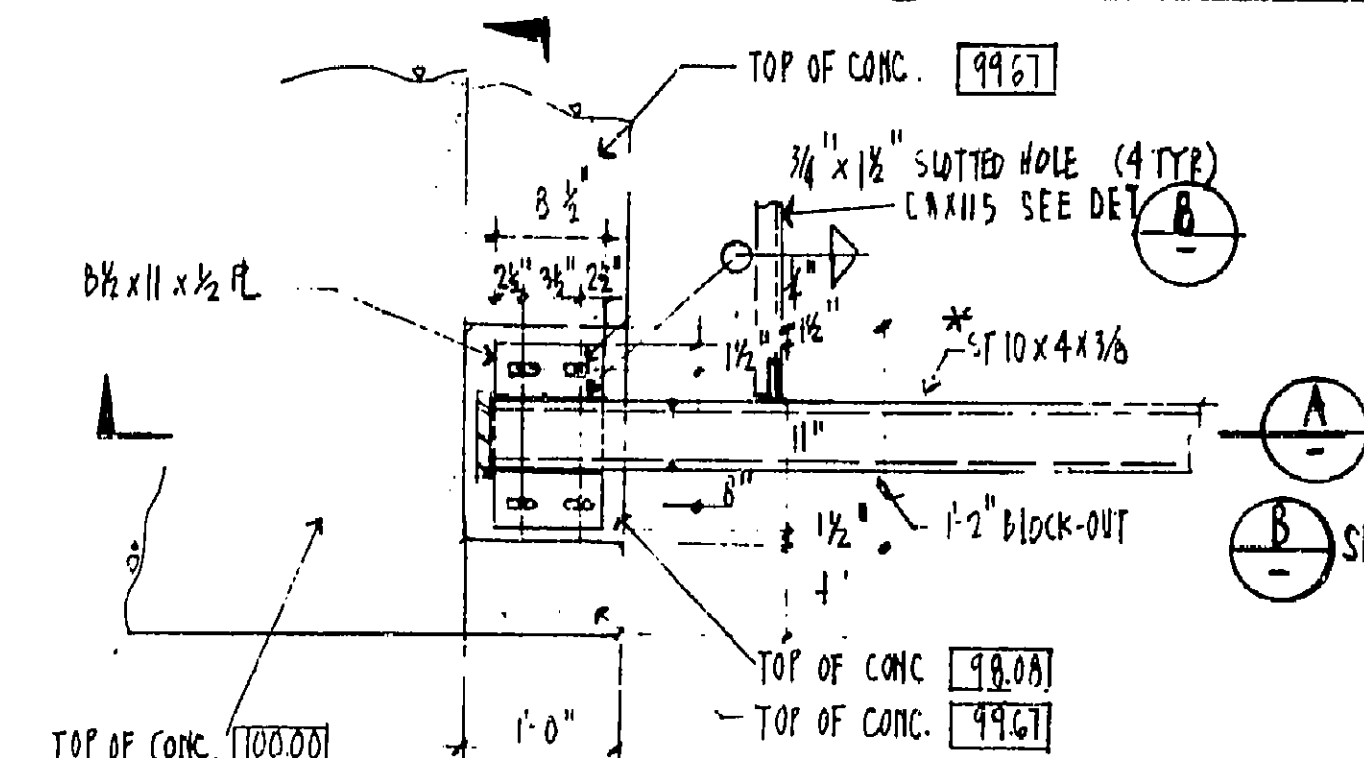
### TYPICAL TREAD SUPPORTS



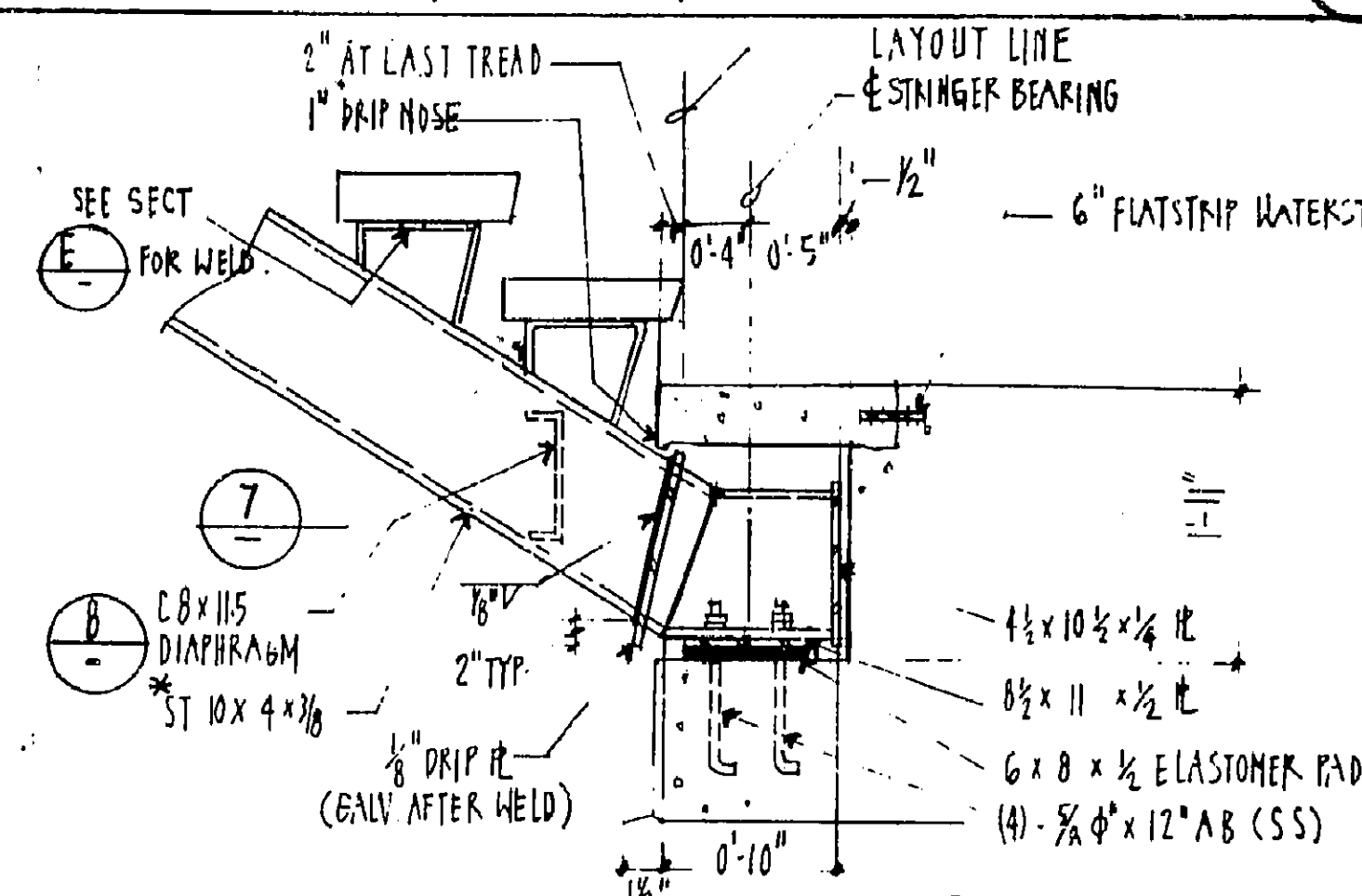
TYPICAL DIAPHRAGM



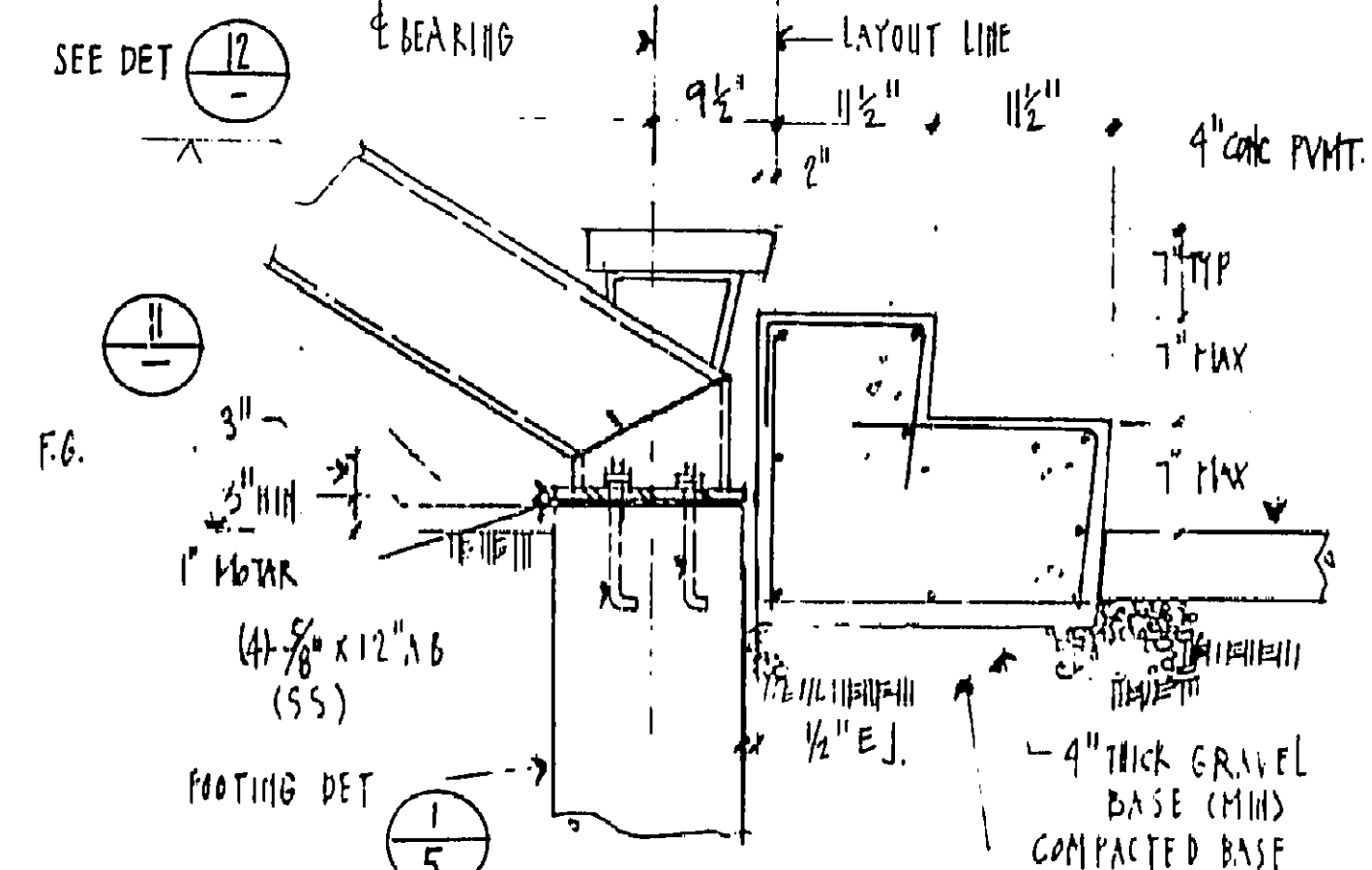
SECTION



STRINGER ANCHOR DETAIL



172.  
S E C T I I



S E L T I

CAPISTRANO SURFSIDE INN  
P.C.H. PEDESTRIAN OVERCROSSING

AS BUILT PLANS  
#55C-55

Contract No. Br# 33-1-0  
Date Completed \_\_\_\_\_  
Document No. DIST 12

55C-555

SHT 6 OF 7

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN  
UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO  
AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

DATE 3-26-90 SIGNATURE Donald Blackford TITLE SUPERVISOR OF  
MICROFILM SERVICES

