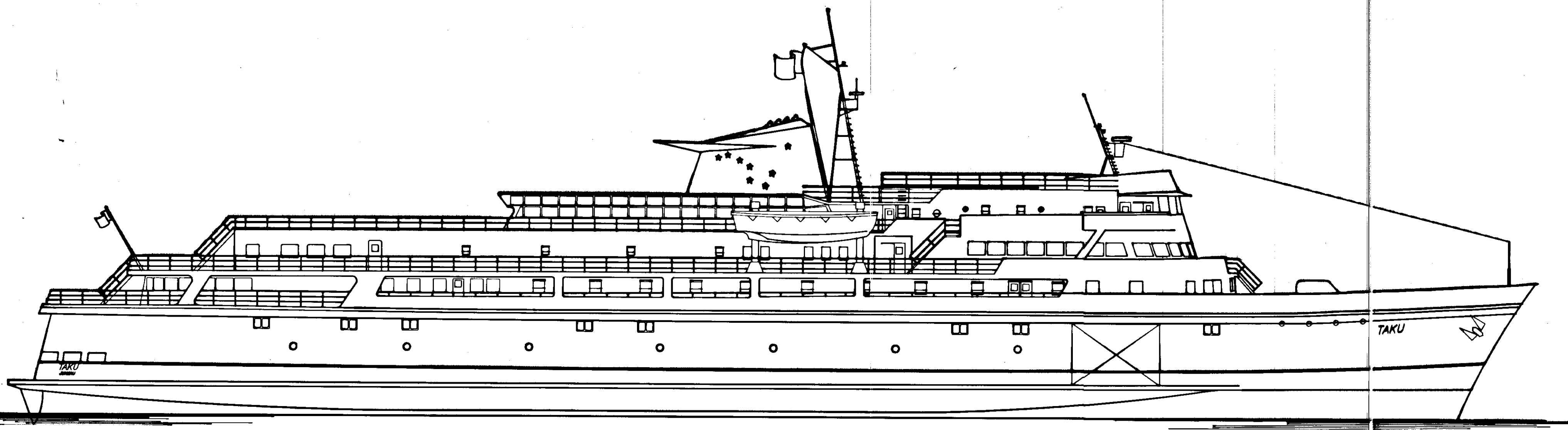
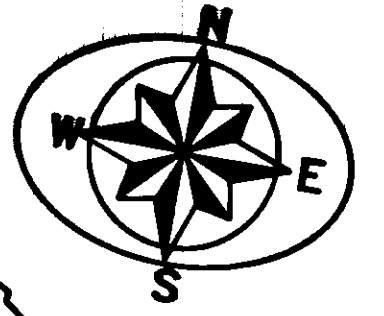
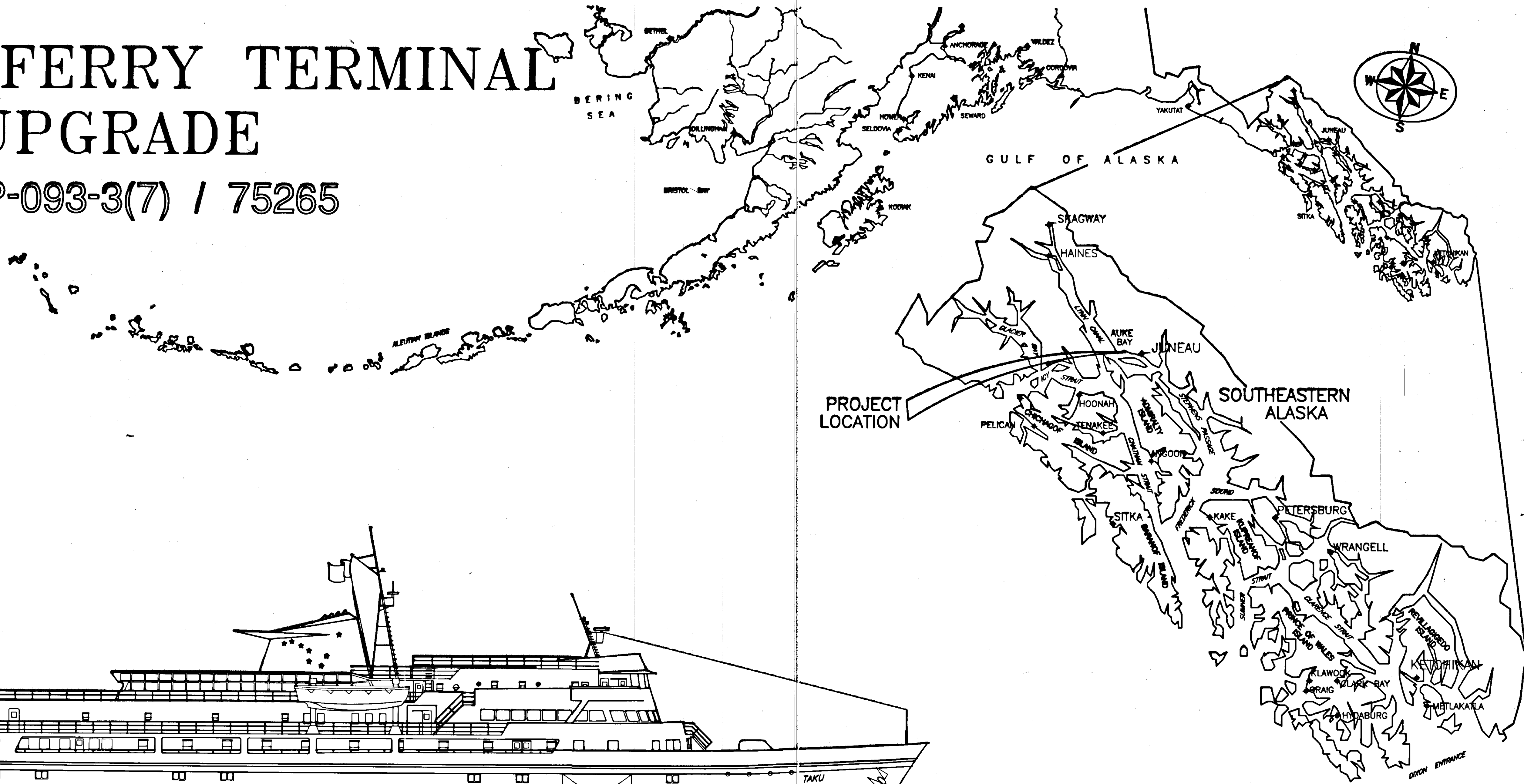


AUKE BAY FERRY TERMINAL PONTOON UPGRADE

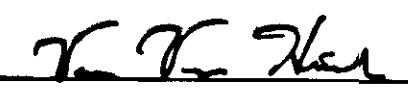
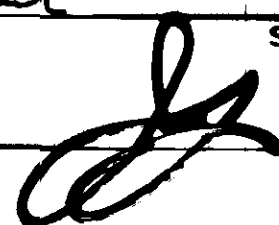
PROJECT NO. STP-093-3(7) / 75265



INDEX TO SHEETS			
1	TITLE SHEET	29	AS-BUILT BARGE, BRIDGE WELDMENTS
2	GENERAL NOTES & QUANTITIES	30	AS-BUILT BARGE PLATFORM & GANGWAY LANDINGS
3	GENERAL LAYOUT	31	AS-BUILT GANGWAY LANDING DETAILS
4	PROPOSED LAYOUT	32	AS-BUILT GANGWAY
5	PLATFORM EXTENSION DETAILS	33	AS-BUILT 68', 63'-6", & 58' CATWALK ELEVATIONS
6	BARGE RESTRAINT STRUCTURE	34	AS-BUILT DOLPHIN PLAN & DETAILS
7-17	BARGE DETAILS	35	AS-BUILT FENDER SYSTEM DETAILS
18	BRIDGE OVERCOAT DETAILS	36-39	AS-BUILT ELECTRICAL DETAILS
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28	AS-BUILT GUIDE PILE DETAILS		

**STATE
OF
ALASKA**

DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
MARINE FACILITIES

APPROVED

 Shore Facilities Engineer
 Recommend for Approval

 Group Design Chief
 Sheet 1 of 39

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	PAY UNIT	ESTIMATED QUANTITIES	UNIT	TOTAL
110	Mobilization	L.S.	All Req'd	L.S.	All Req'd
111	Temp. Erosion & Pollution Control	C.S.	All Req'd	C.S.	All Req'd
114	Traffic Maintenance and Control	L.S.	All Req'd	L.S.	All Req'd
116	Furnish and Maintain Field Office	L.S.	All Req'd	L.S.	All Req'd
120	DBE & WBE Adjustment	C.S.	All Req'd	C.S.	All Req'd
201	Removal of Structures and Obstructions	L.S.	All Req'd	L.S.	All Req'd
301(1)	18" ϕ x 1/2" wall Pipe Pile, Furnished	L.F.	1003	L.F.	1003
301(2)	18" ϕ x 1/2" wall Pipe Pile, Driven	EA.	6	EA.	6
301(3)	24" ϕ x 1/2" wall Pipe Pile, Furnished	L.F.	748	L.F.	748
301(4)	24" ϕ x 1/2" wall Pipe Pile, Driven	EA.	4	EA.	4
302(1)	New Pontoon (Barge) and Restraint Caps	L.S.	116,600	LBS.	116,600
302(2)	Pontoon Platform & Gangway Platform Modifications	L.S.	2200	LBS.	2200
303	Paint Bridge Pieces, Catwalks, and Barge Platforms	L.S.	All Req'd	L.S.	All Req'd

GENERAL NOTES

Specifications:
Construction: Per Contract Documents for Project No. STP-093-3(7) / 75265
Design: Transfer Bridge: AASHTO 1983 with latest interim specifications.
 Support Pontoon (Barge) and Restraint and Mooring Structures: Marine Facilities Design Standards.

Design Loads:
 Bridge: LL - HS20-44 and 60 psf pedestrian
 DL - no allowance for future wearing surfaces
 Support Pontoon (Barge): DL+LL of Bridge floating with ballast, or suspended (from restraint) without ballast.
 Mooring Structure: Berthing E 30 ft - Kips
 Mooring Line - 30 Kips
 Restraint Structure: Vertical - Barge (no ballast)+ Bridge (LL+DL)
 Horizontal - Barge with 6 Kt current
 Catwalks and Gangways: LL - 60 psf

Design Unit Stresses:
 Steel:
 A36 $F_y = 29$ Ksi
 A252 Gr. 2 $F_y = 1925$ Ksi
 A500 Gr. B $F_y = 25$ Ksi
 A572 $F_y = 27$ Ksi
 A108 $F_y = 29$ Ksi
 A608 Gr. B $F_y = 30$ Ksi

Materials:
 Steel:
 Tube Sections A500 Gr. B
 Pipe A252 Gr. 2, A501 or A53, Gr. B, type E or S
 Pipe A53, Gr. B, type E or S
 Stainless Type 302, 304 or 316
 All other shall be A36 or A572 as noted.
 Charpy Group 2 impact requirements shall apply.

Protective Coatings:
 Support Pontoon (Barge) System 1, Section 303 of the Specifications.
 Barge Platforms: Overcoat with System 5 (Section 303)
 Catwalks: Overcoat with System 5 (Section 303)
 Platform Extensions: Galvanized after fabrication
 Pipe Piles and Structural Steel Caps and Hardware: Galvanized after fabrication

Piling:
 Size: 18" dia. x 1/2" wall steel pipe
 24" dia. x 1/2" wall steel pipe
 Tips: Open End (a) Reinforced tips w/ APF 0-14000 or APF 7-14001 drive shoes as req'd, or approved equal.
 Closed End (c) 1" Galvanized Plate with diameter 1" larger than pile O.D. Secured to pile tip with 3/8" fillet weld all around.
 Driving Requirements: (See table this sheet)

Oils / Lubrication:
 Contractor shall provide all oils and lubrications to fill reservoirs and grease all bearings, cables and sliding surfaces. Hydraulic oil shall be per Sec. 302, cable dressing shall be Certified CCX-77, bearing/bushing lube shall be Certified Perma-lube and lube for sliding surfaces shall be Chevron Pinion Greas MS.

PILING DATA

PILE LOCATION (Layout Sht.4) STRUCTURE ORIENTATION & (pile tip)	DIA. Inches	CAPACITY (TONS)		ELEVATIONS		TIP ELEVATIONS		TOTAL ESTIMATE LENGTH	
		BEARING	UPLIFT	APPROX. MUDLINE	CUT-OFF	MDL	EST.		
BARGE RESTRAINT STRUCTURE 'A'									
Vertical (a)	2	24	100	---	-40	27.0	-90	-150	354
4:1 batter (a)	2	18	50	10	-40	31.03	-90	-150	374
BARGE RESTRAINT STRUCTURE 'B'									
Vertical (a)	2	24	100	---	-45	27.0	-95	-170	394
4:1 batter (a)	2	18	50	10	-45	31.03	-95	-170	414
PLATFORM 'A'									
Vertical (a)	1	18	10	---	-40	30.0#	-75	-75	105
PLATFORM 'B'									
Vertical (a)	1	18	10	---	-45	30.0#	-80	-80	110

NOTE: Cutoff elevation of +30.0 is based on Platform grating deck elevation of +33.0. Adjust cutoff elevation to fit actual field conditions so relocated Platform deck elevation is same as catwalk deck elevation.

STAMP



DO NOT SCALE THIS DRAWING - USE DIMENSIONS

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 AUKE BAY, JUNEAU ALASKA

QUANTITIES AND GENERAL NOTES

DESIGNED BAS CHECKED R/W DRAWN W/W DATE 8-13-93
 PROJECT NUMBER STP-093-3(7) / 75265 SHEET 2 OF 39



GLACIER HIGHWAY

To Juneau →

PARKING

STAGING AREA

TERMINAL BUILDING

STAGING AREA

Horizontal Control

The longitudinal centerline of the existing bridge and the centerline of bridge bearings at the pontoon end shall be used for horizontal alignment for installing the new barge restraint structures.

Vertical Control

Existing mooring structure cap = +32.0
Use the average of the deck plate elevations of mooring structures 4 & 5, elevation taken at the centerline of the cap in front of the bollard.

Existing Transfer Bridge (portions to be painted)

Existing barge (to be replaced) w/platforms (to be relocated on new barge)

Existing gangways (to be relocated)

Existing restraint structures (to be removed) w/luminaires (to be reused)

Platform B (to be extended)

Existing catwalks (to be painted - 4 each)

Existing barge to be painted

Platform A (to be extended)

Work Area Eastern Berth

C

D

E

F

G

H

6

5

4

3

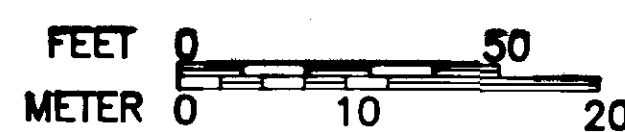
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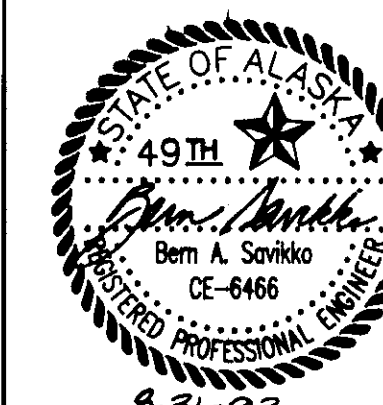
WESTERN TERMINAL

EASTERN TERMINAL

TIDAL DATA
EHW = +22.7
MHW = +15.9
MLW = +14.2
MLLW = +1.6
ELW = -6.0



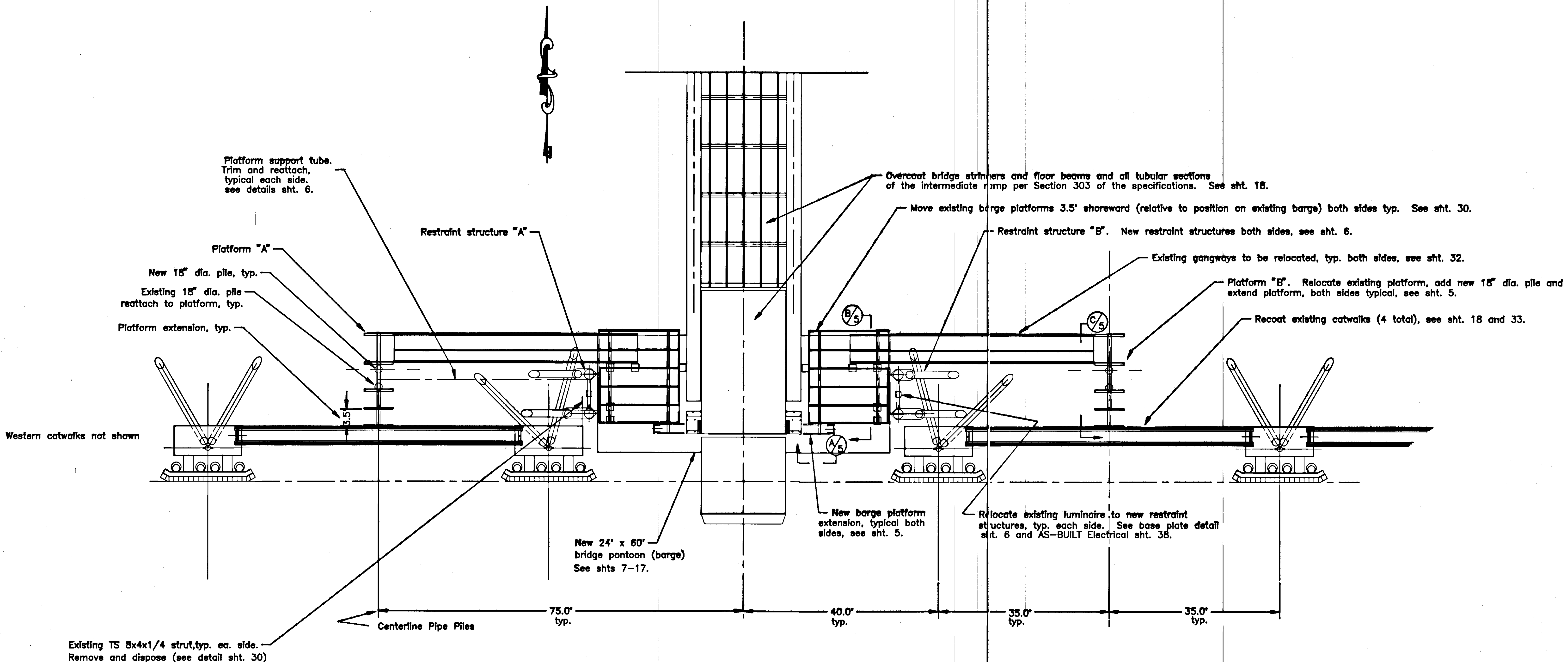
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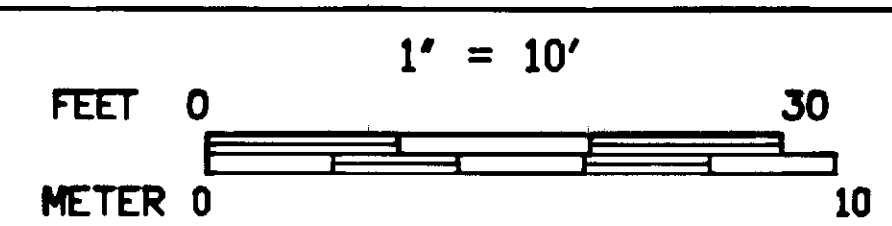
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
AUKE BAY ALASKA

GENERAL LAYOUT

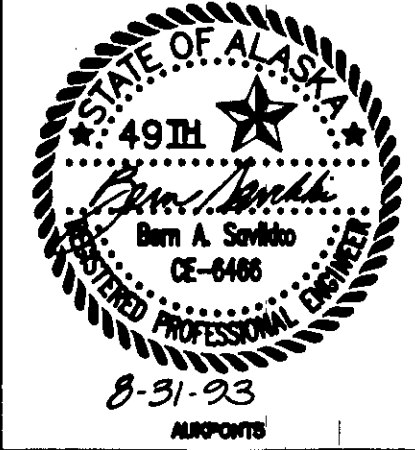
DESIGNED: CHECKED: DRAWN: DATE: June 1993
PROJECT NUMBER: STP-093-3(7)/75265 SHEET 3 OF 39

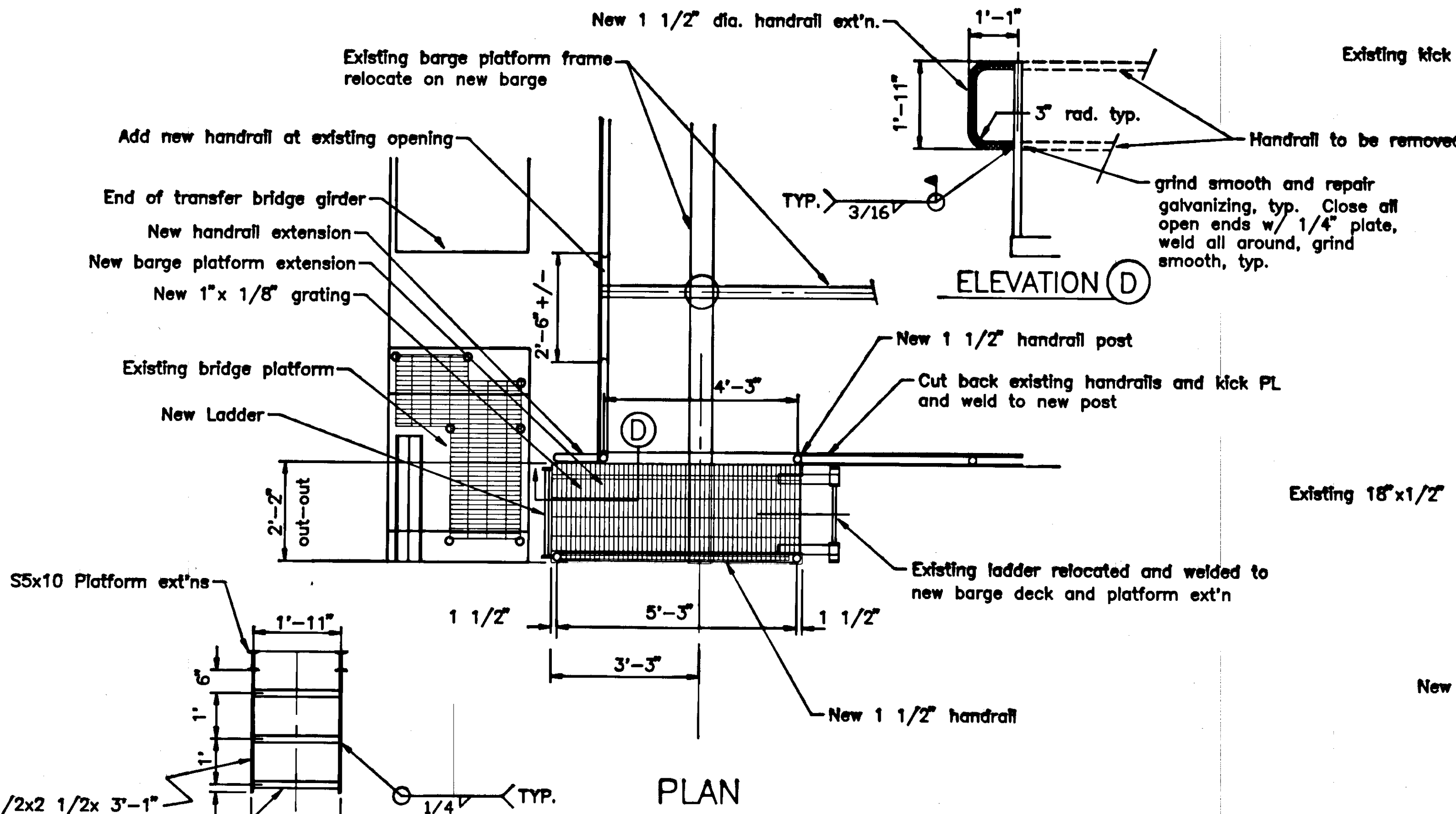


PROPOSED LAYOUT - PLAN

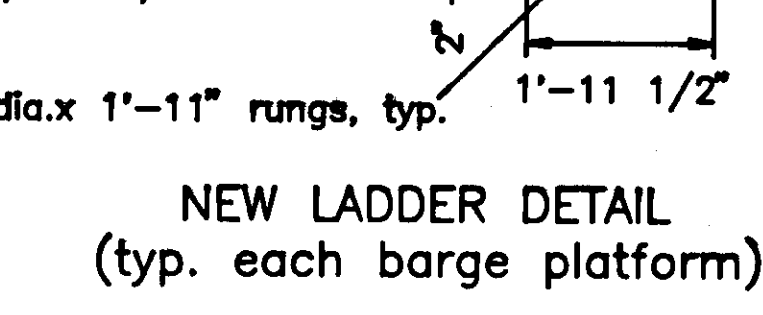


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STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
Auke Bay		Alaska	
Proposed Layout			
DESIGNED: BAS	CHECKED:	DRAWN: BAS	DATE: July 1, 1993
PROJECT NUMBER: STP-093-3(7)/75265		SHEET 4	OF 39

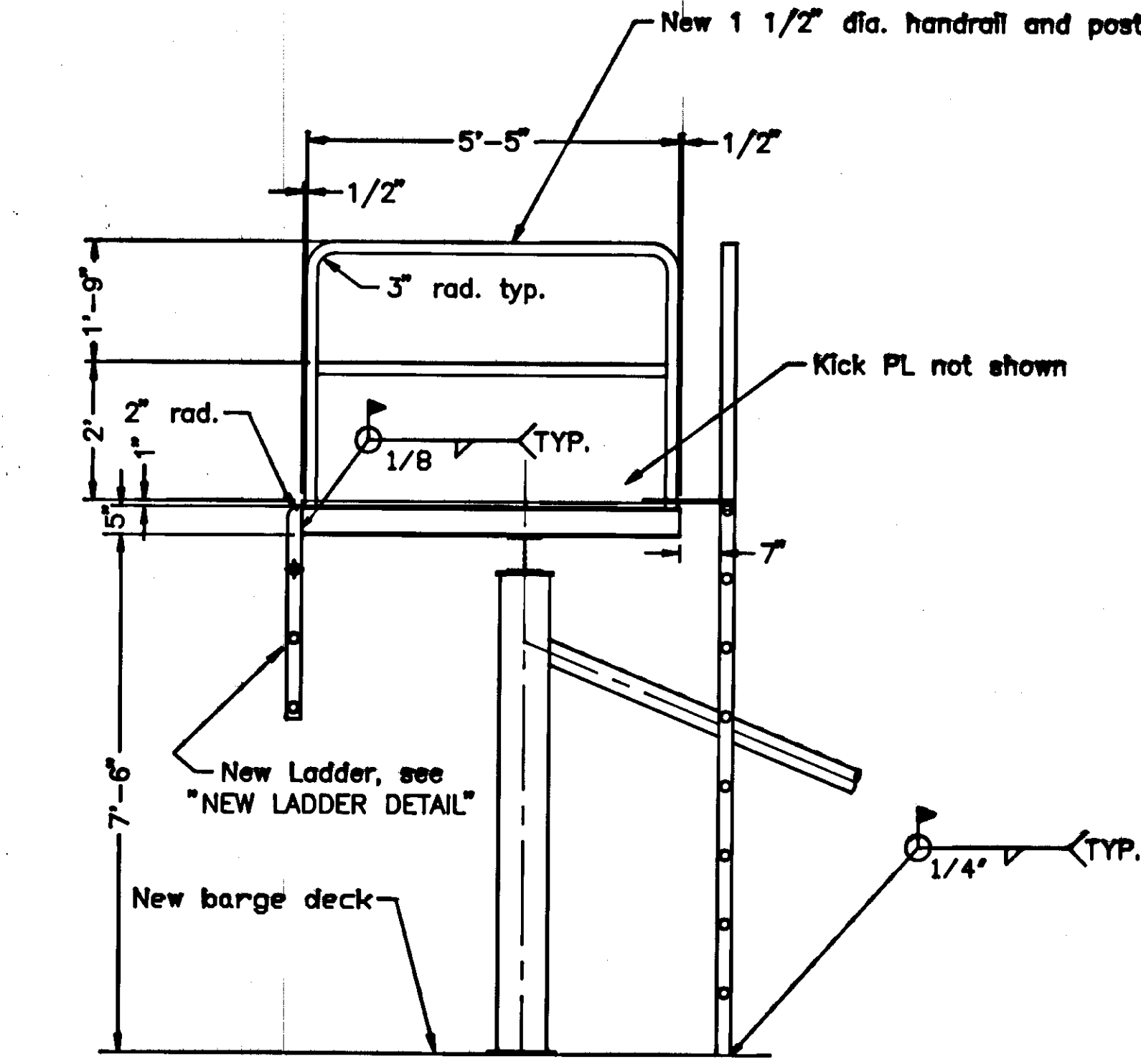




PLAN

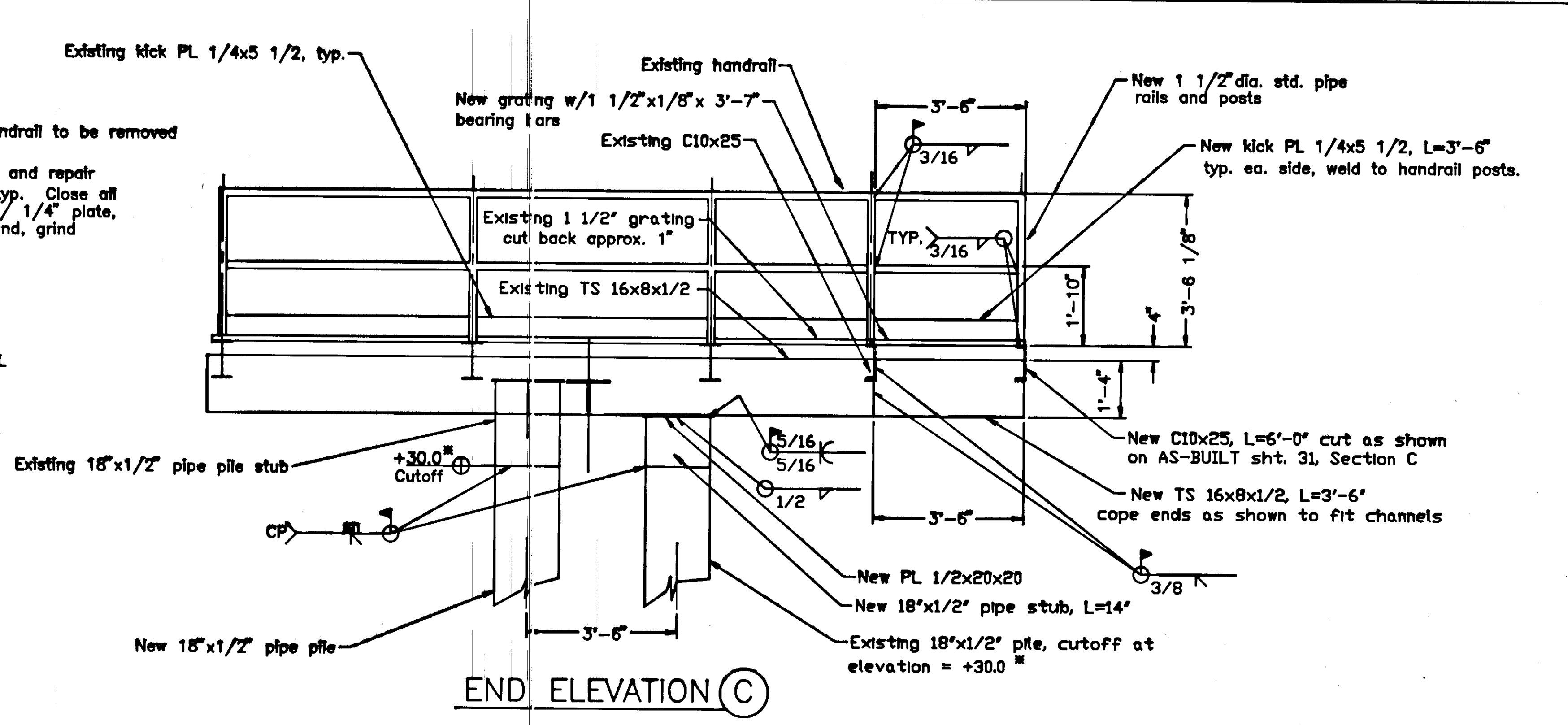


NEW LADDER DETAIL
(typ. each barge platform)



ELEVATION (A)

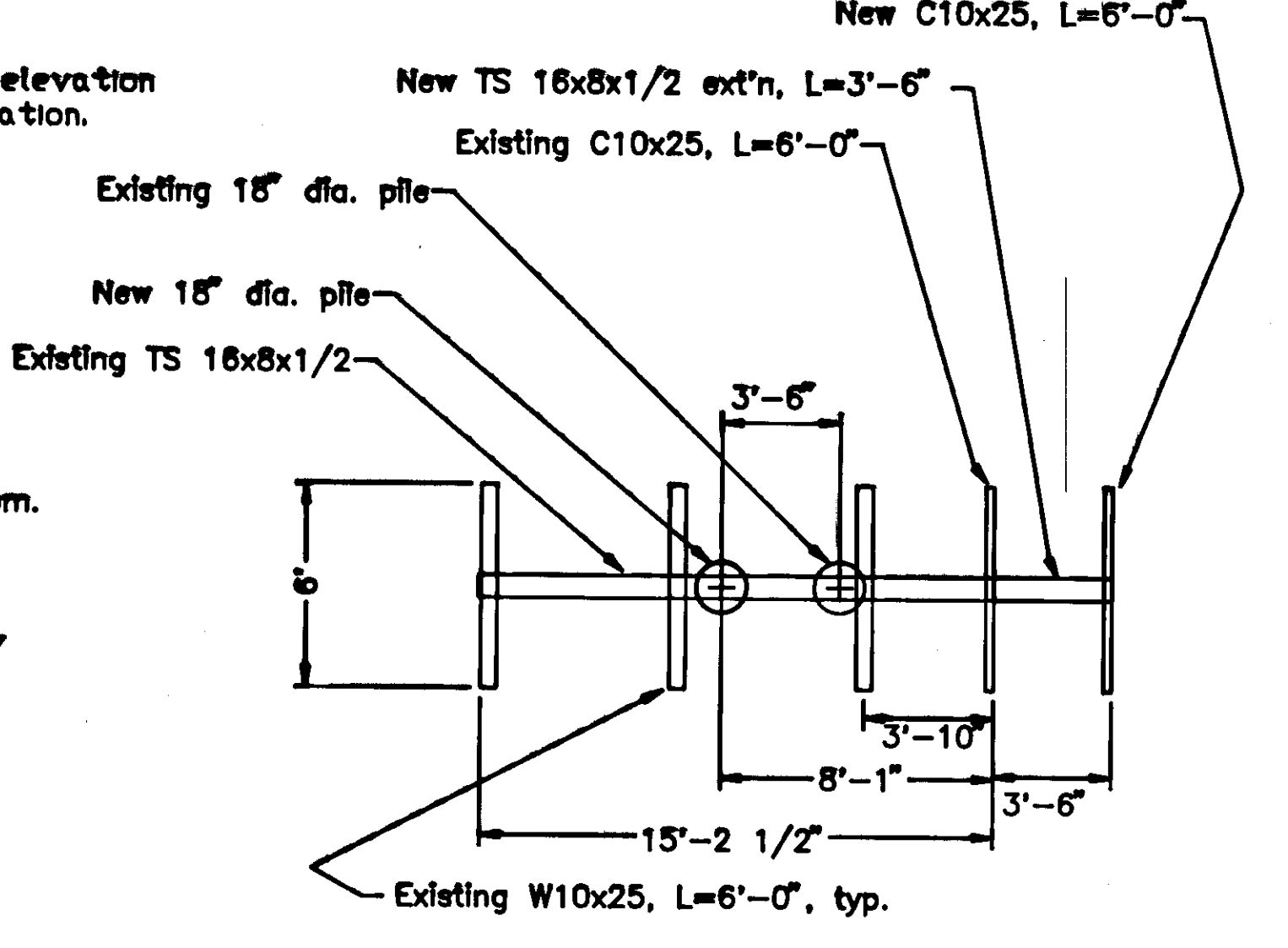
Barge Platform Extension
See Platform AS-BUILT details, sht. 30



END ELEVATION (C)

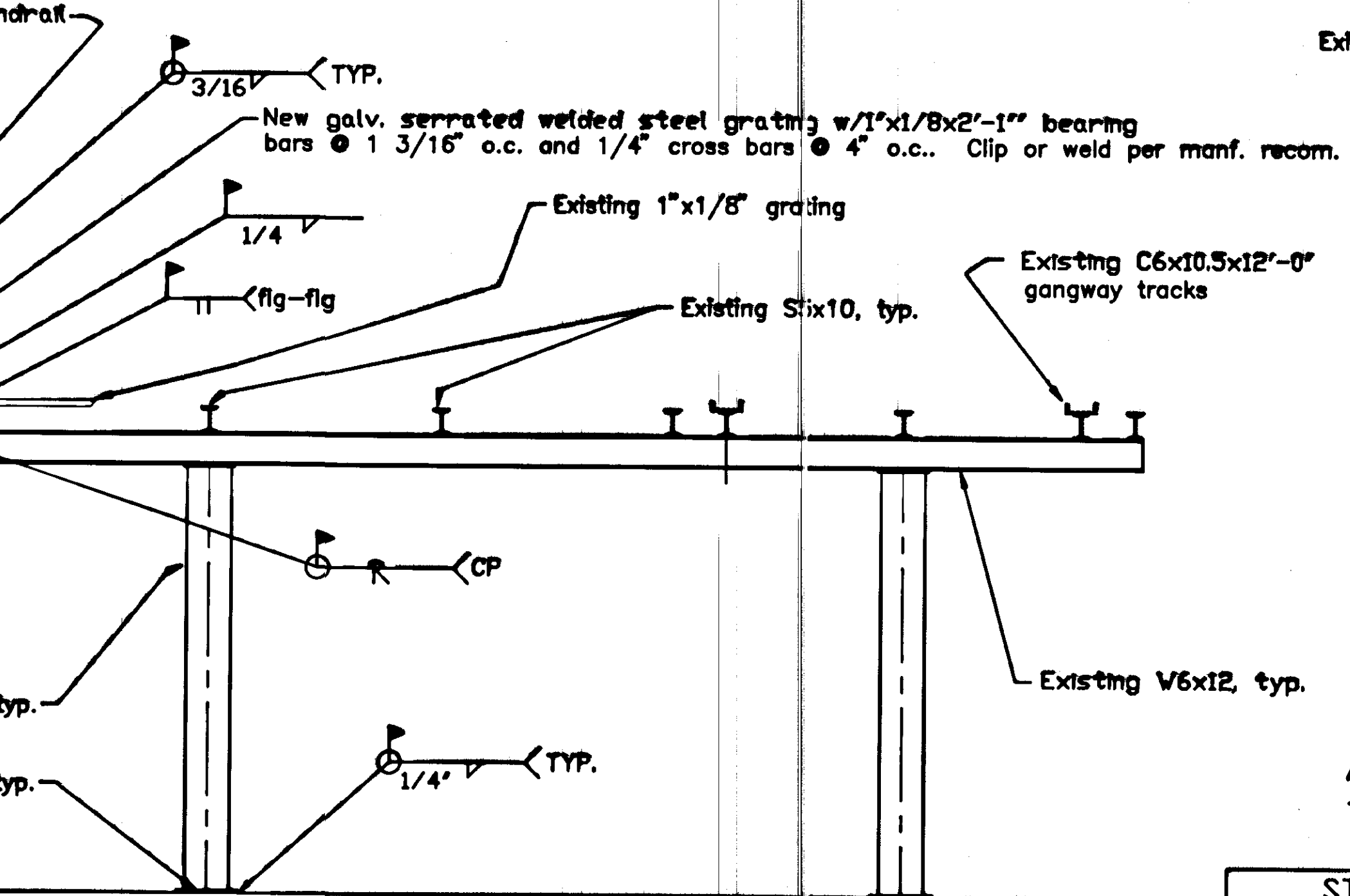
Gangway Platform Extension

See Platform AS-BUILT details, sht. 31
 Note: Cutoff elevation of +30.0 is based on grating deck elevation of +33.0. Adjust cutoff elevation to fit actual field elevation.



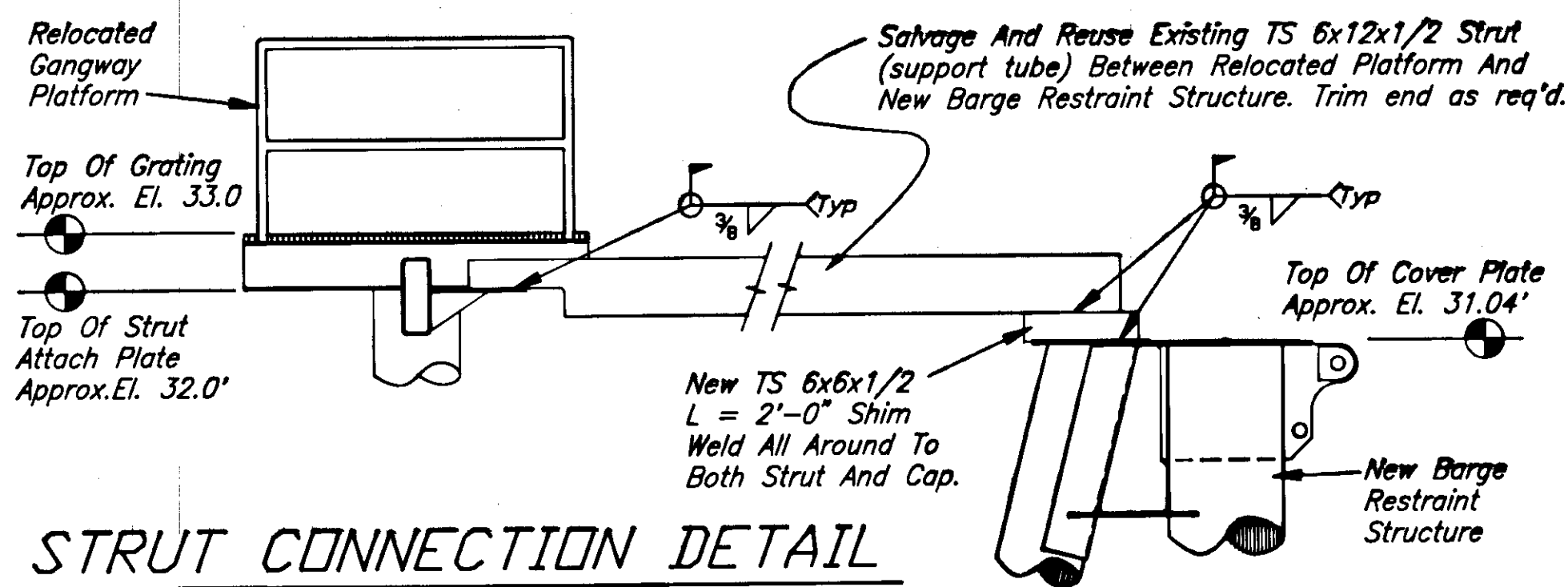
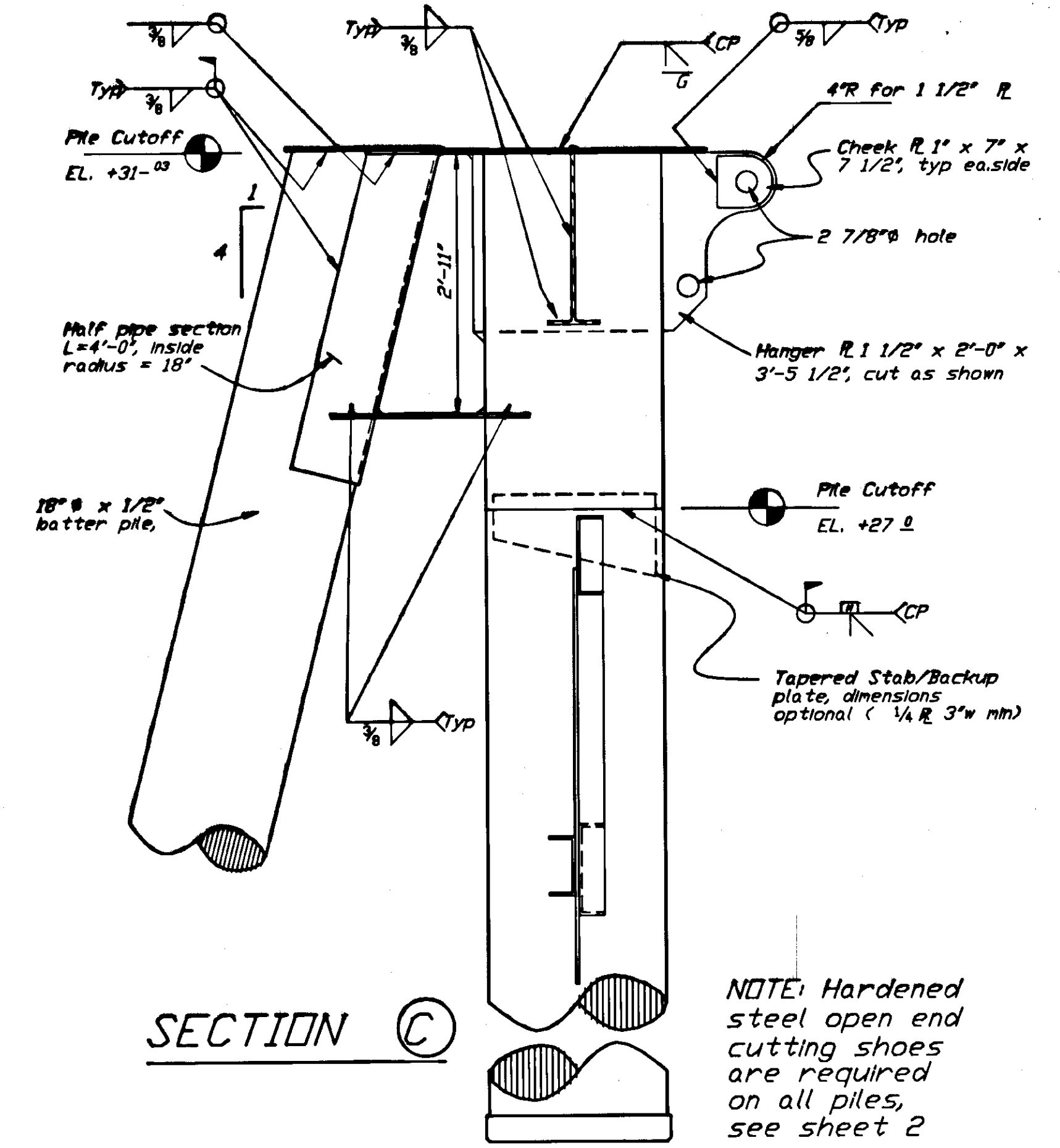
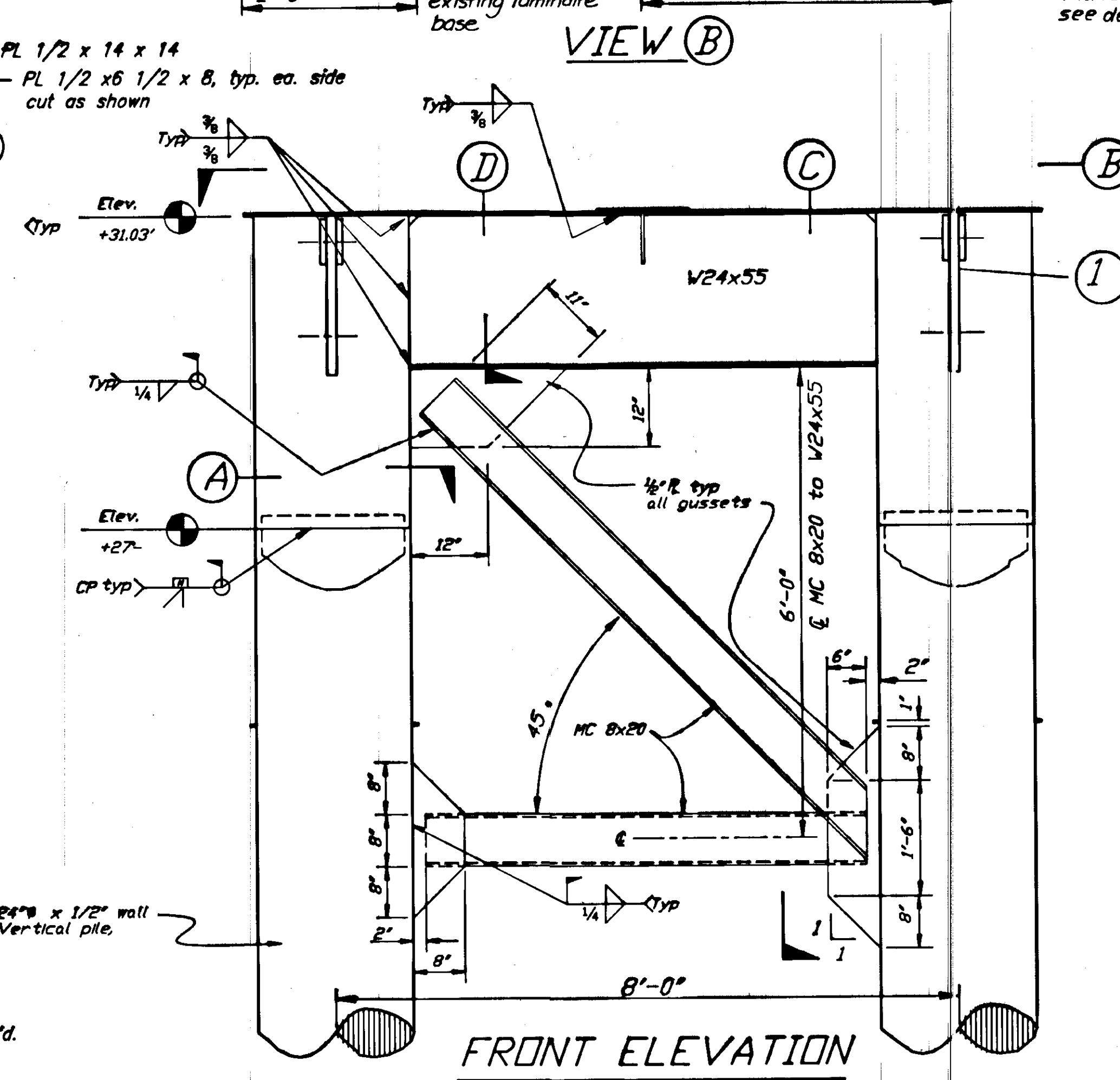
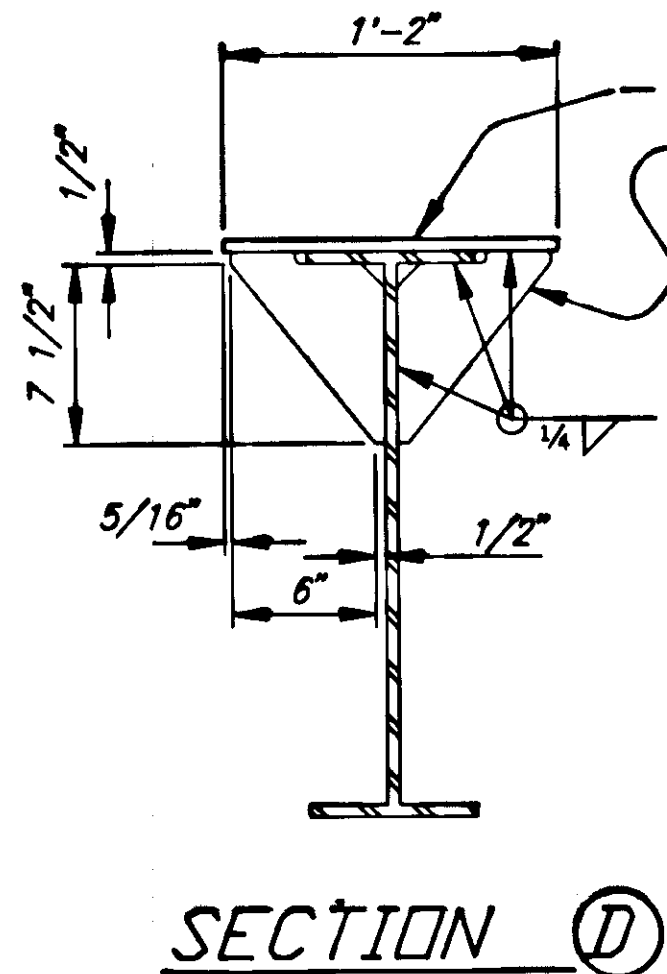
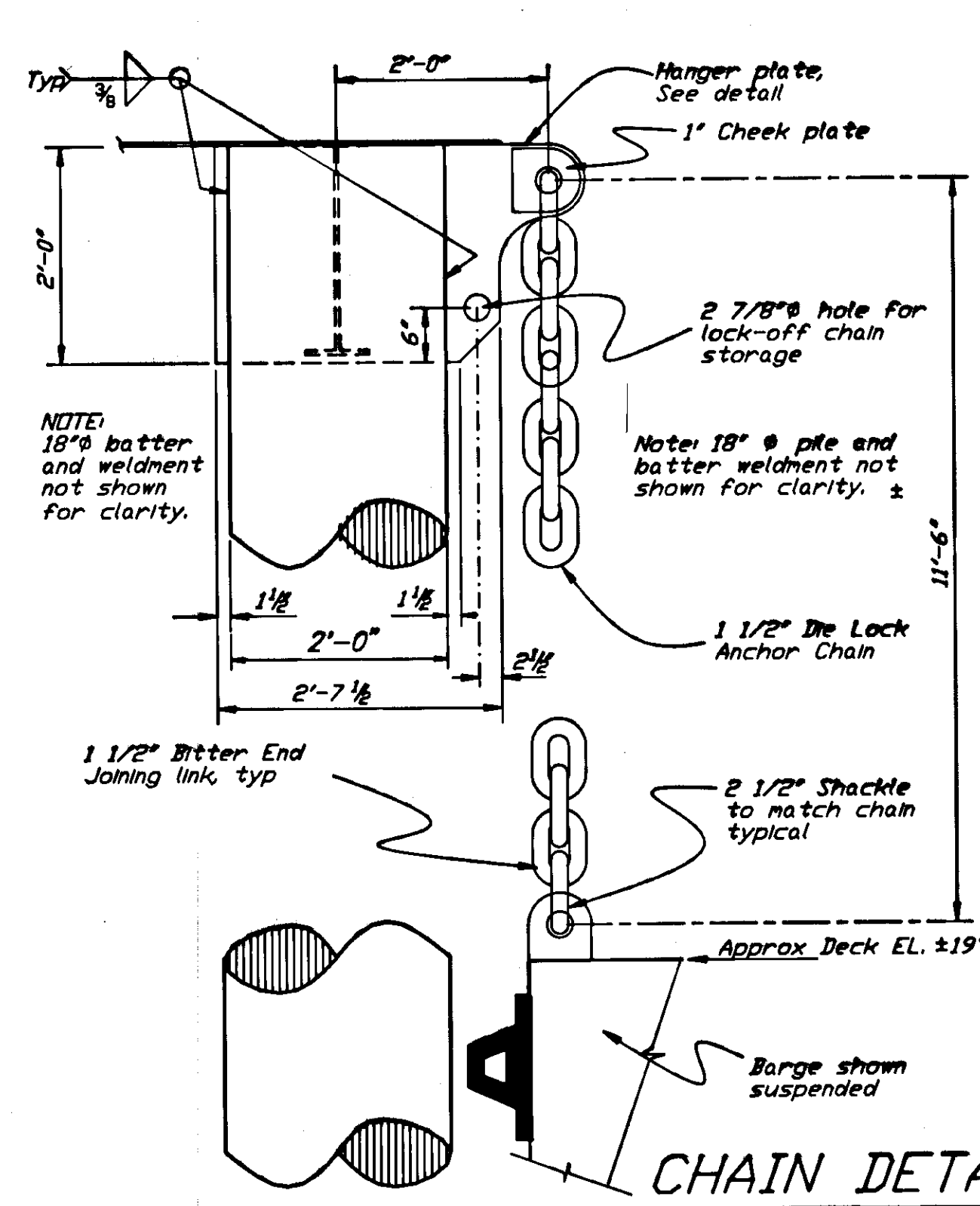
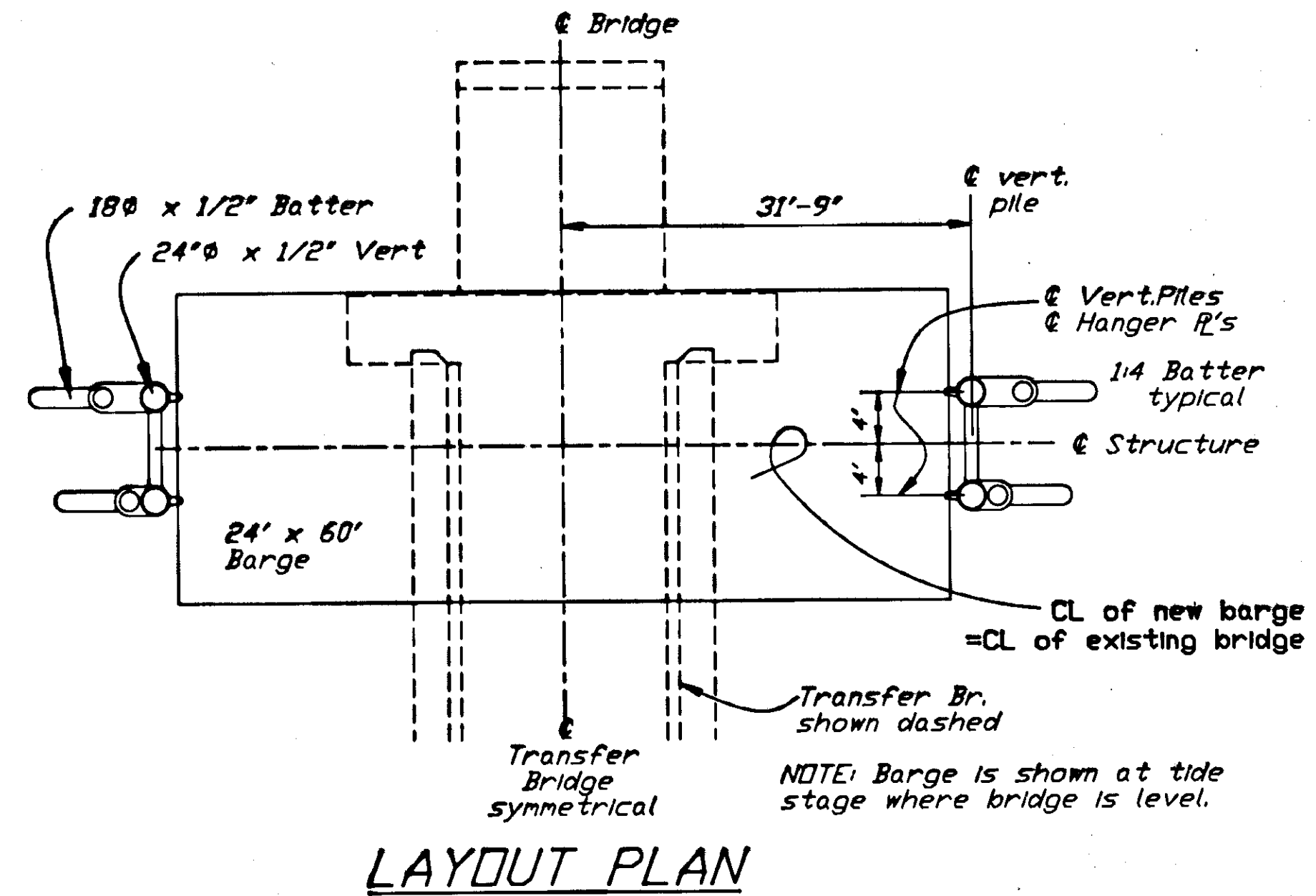
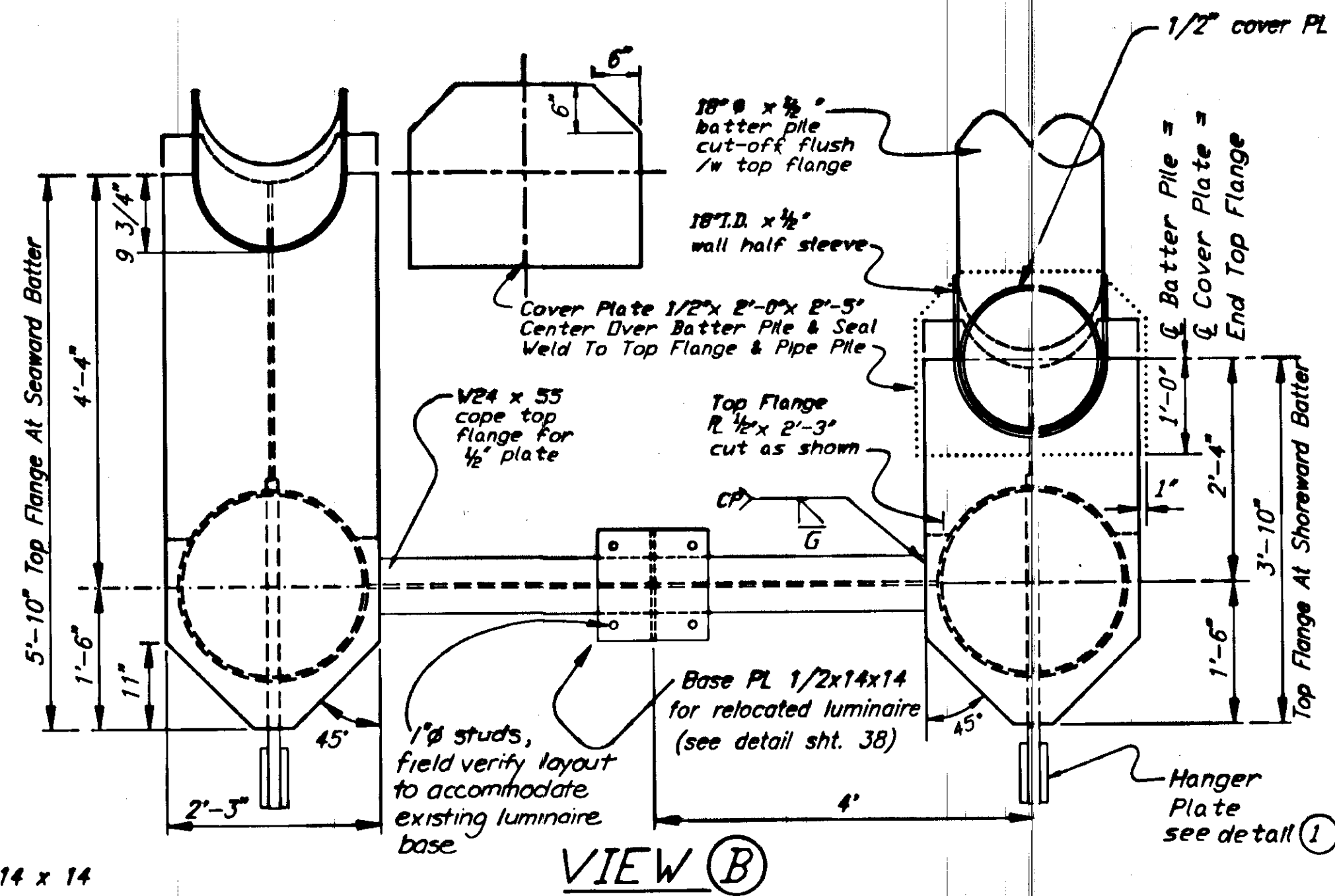
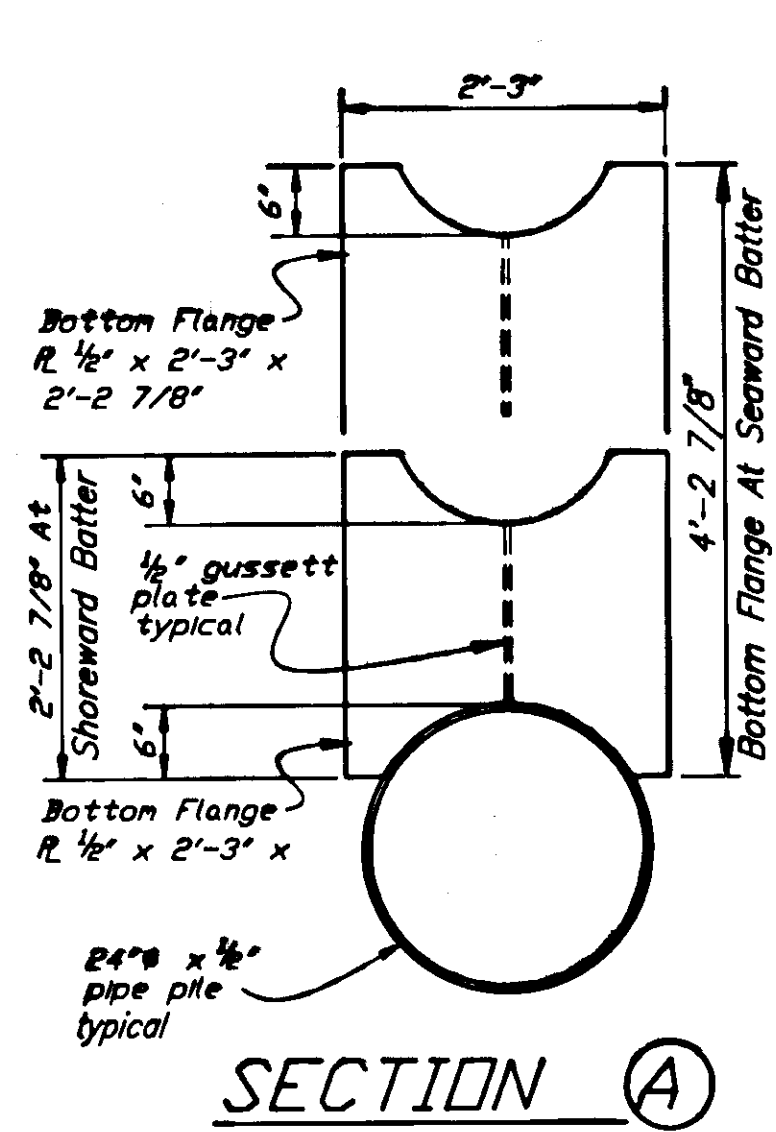
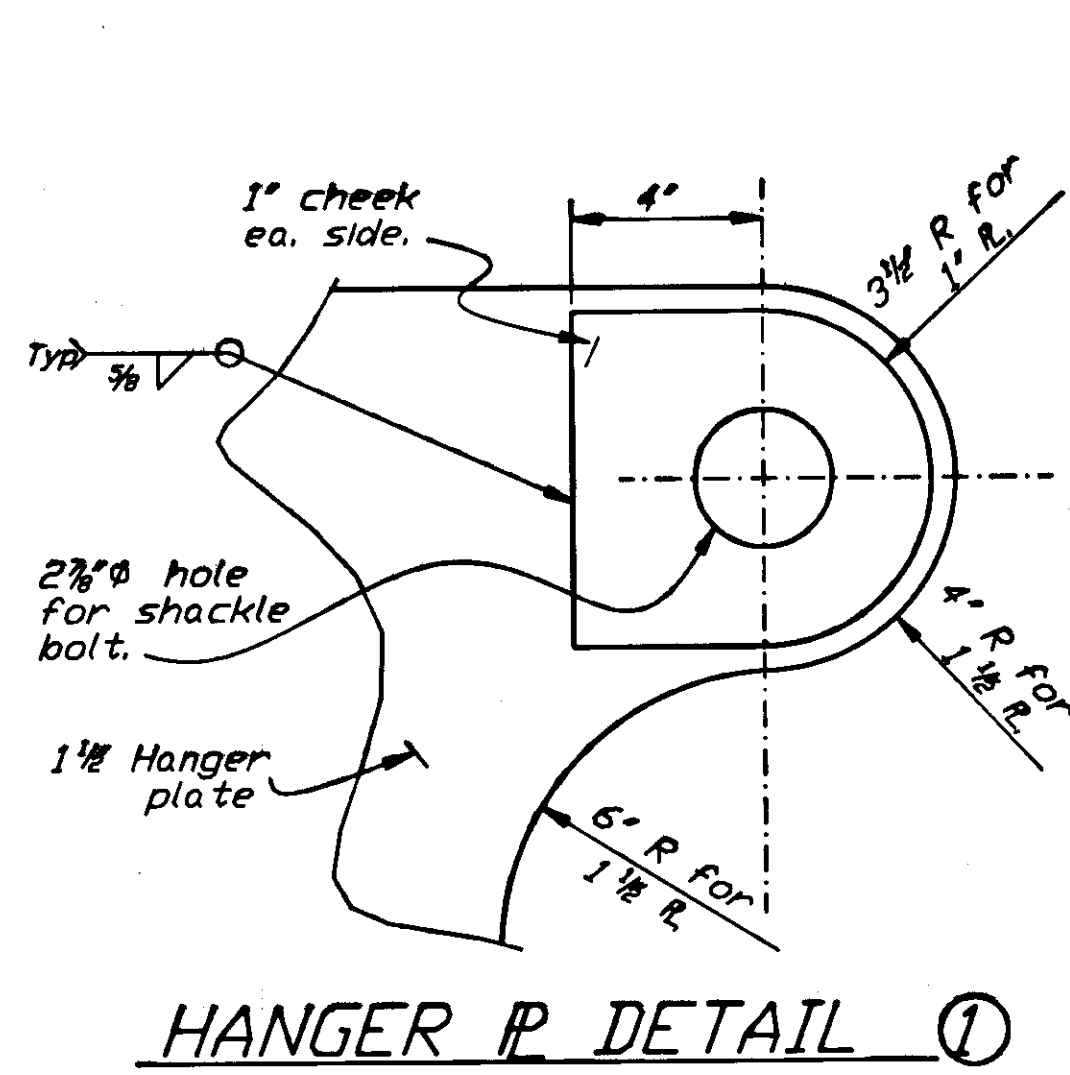
PLAN
Gangway Platform Extension

All new structural steel, handrail and hardware to be galvanized after fabrication.



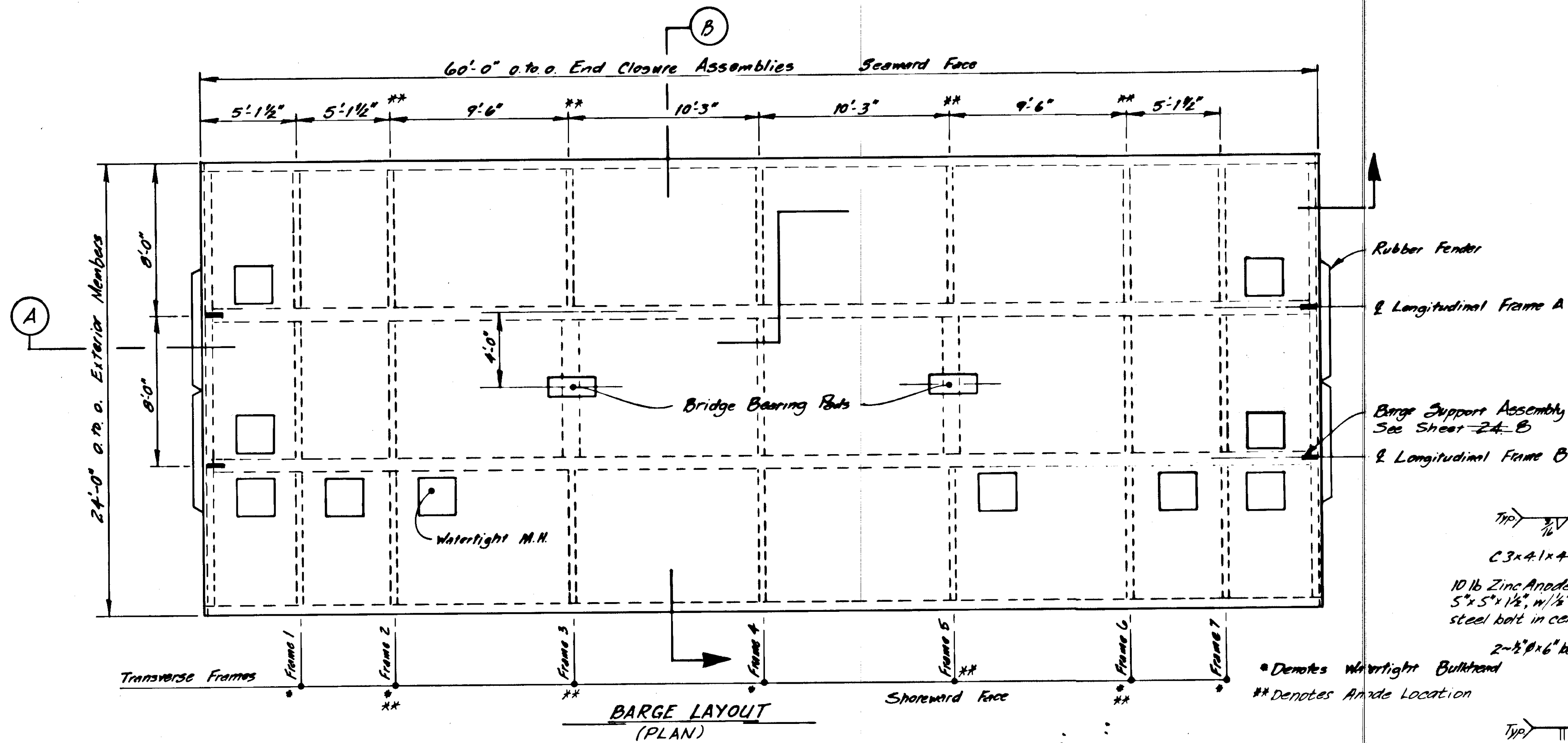
SIDE ELEVATION (B)

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STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
Platform Extension Details			
DESIGNED: BAS	CHECKED:	DRAWN: BAS	DATE: July 1993
PROJECT: STP-093-3(7)/75265	SHEET: 5	OF: 39	

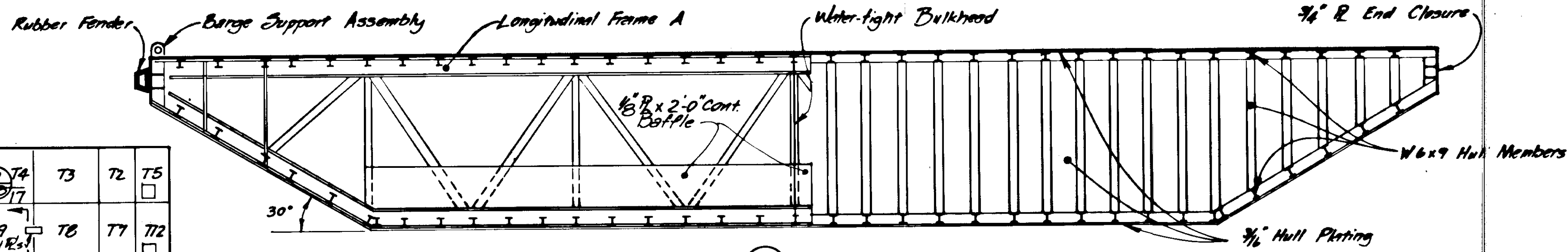
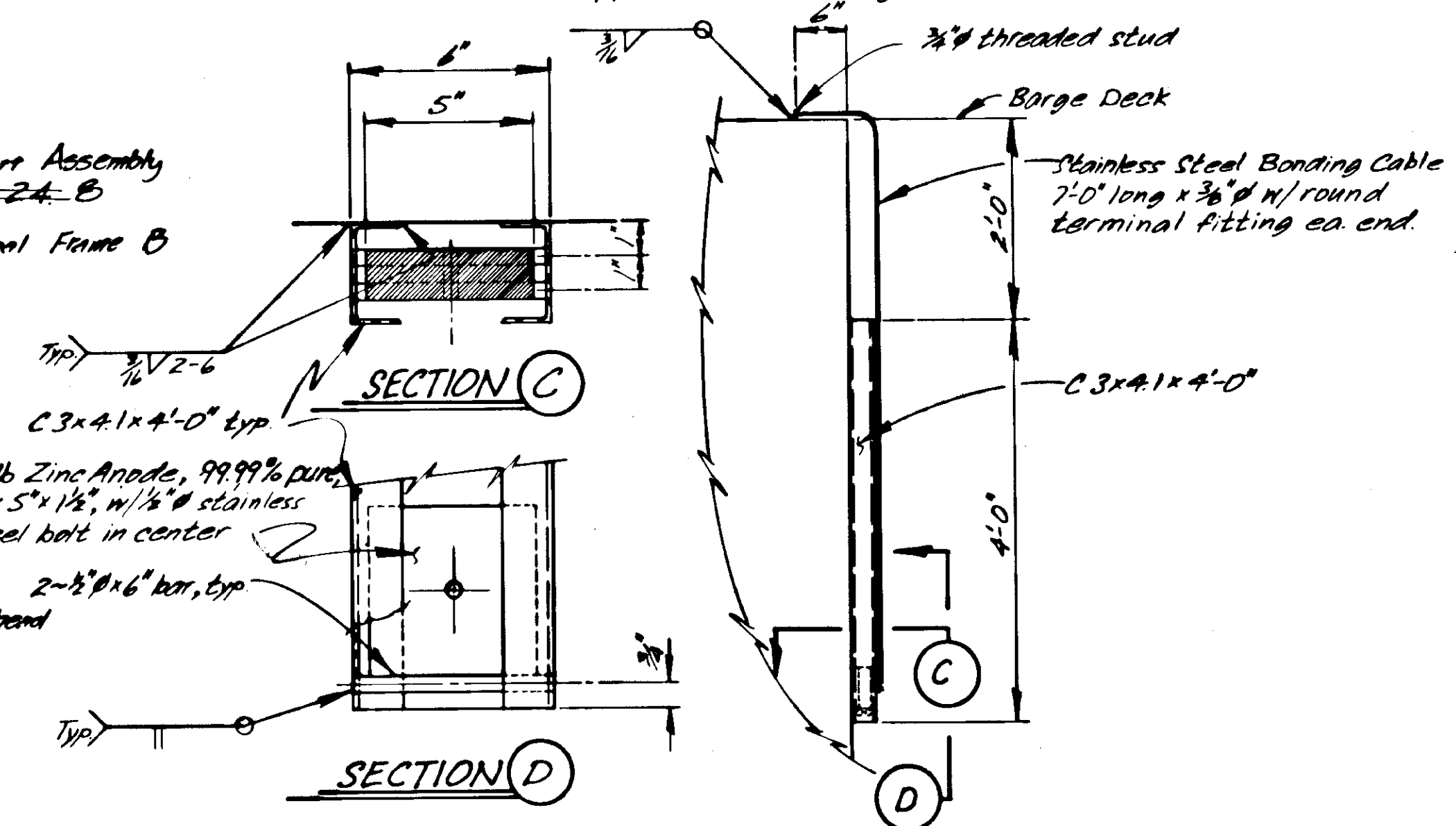


Approx. weight of restraint cap = 3300 lb. each

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	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES ALUKE BAY ALASKA			
DESIGNED BAS		CHECKED	DRAWN staff	DATE June, 199
PROJECT NUMBER STP-093-3(7)/75265		SHEET 6	OF 39	



- Notes:
1. Barge Design Freeboard = 2'-6" (w/ballast)
 2. Ballast compartments with fresh potable water and 10% ethylene glycol mixture.
 3. Barge deck to be level both ways, longitudinally and laterally, with full dead load, i.e. bridge, barge with ballast, platforms, gangways and incidentals.
 4. Fill trapezoid ballast tanks ea. side of barge before putting ballast in main tank. Put ballast equally into ea. bottled section of ea. tank.
 5. Prior to protective coating, ea. compartment shall be tested for water tightness by smoke and pneumatic or hydraulic methods to 7 ft. equivalent head. Test methods and details shall be subject to approval of the engineer.

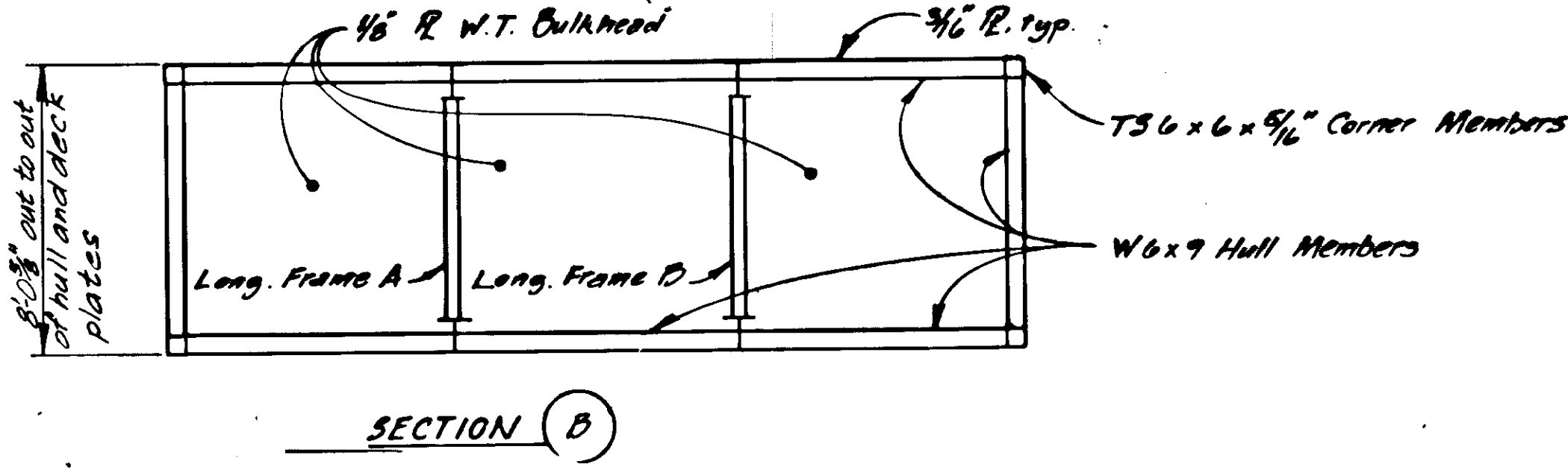
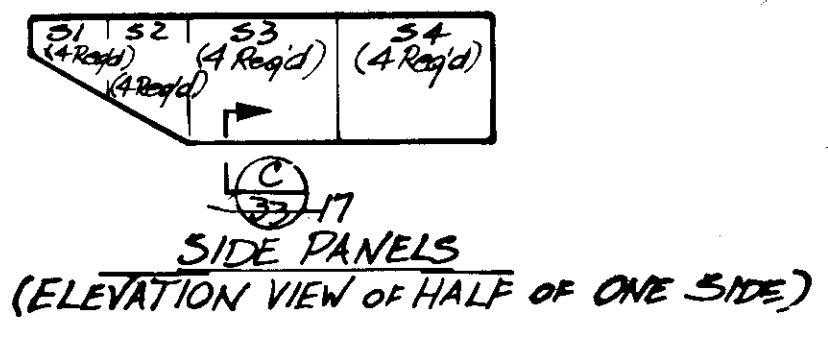


T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17
----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----

TOP PANELS (PLAN VIEW)

B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17
----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----

BOTTOM PANELS (PLAN VIEW)

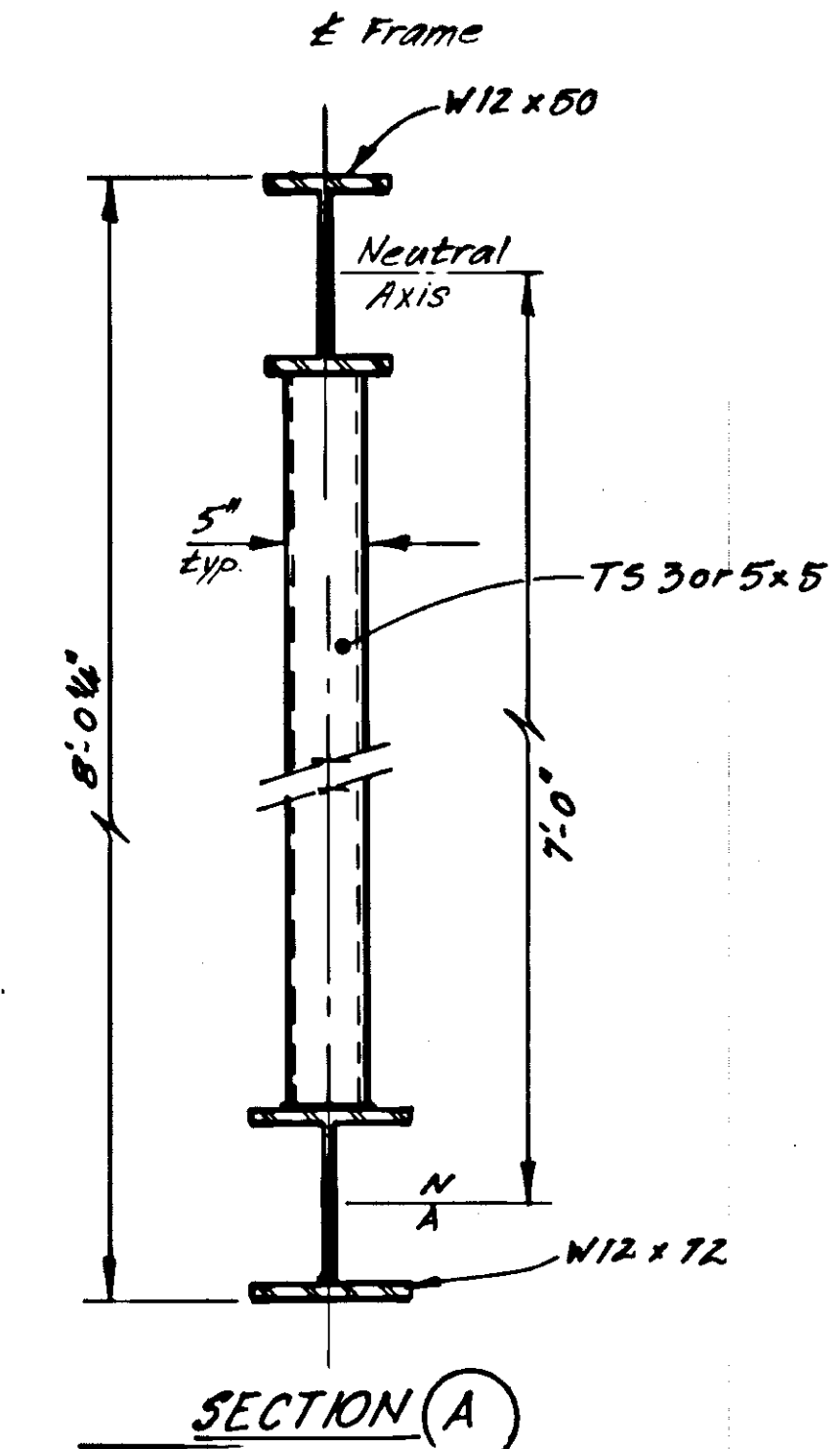
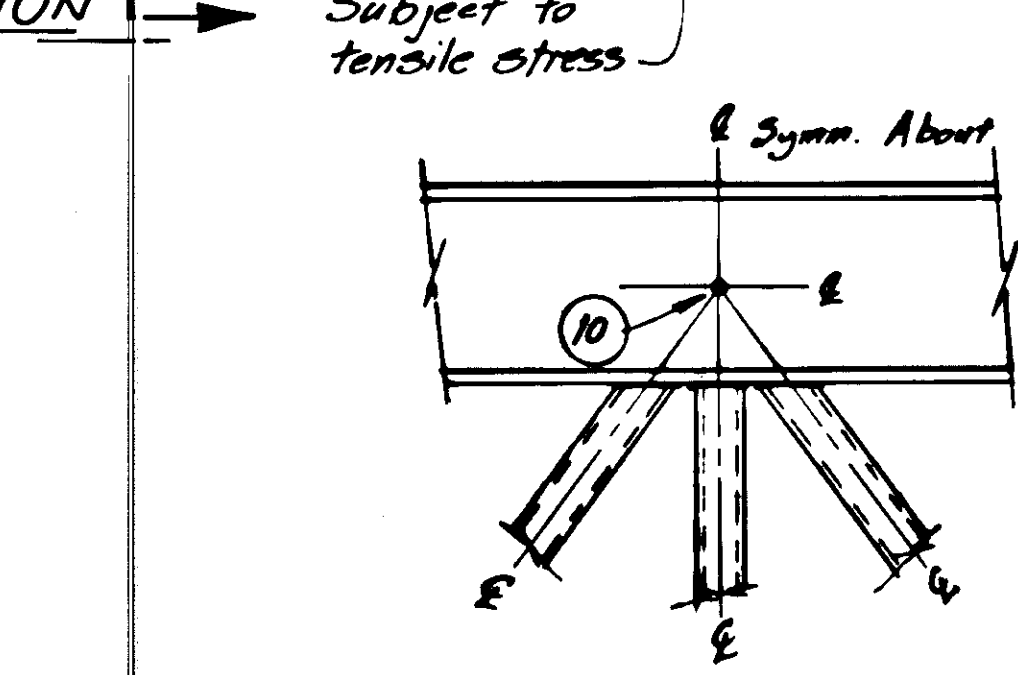
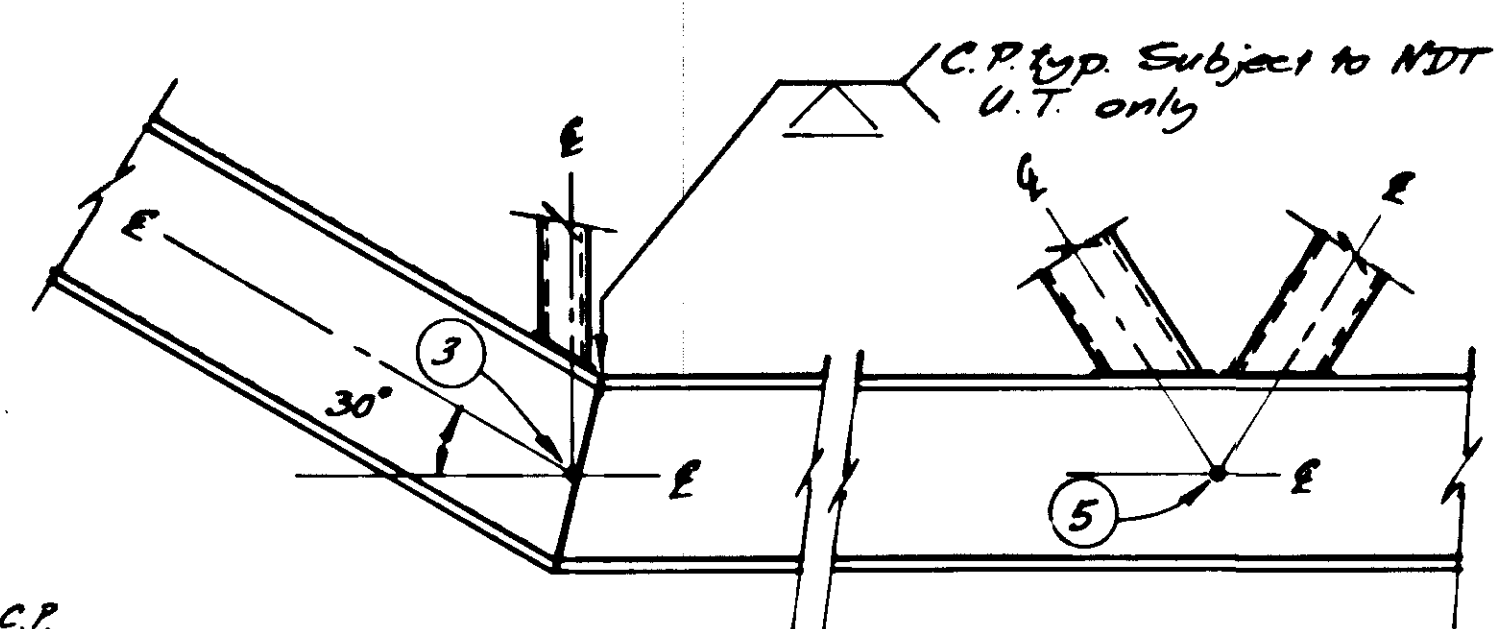
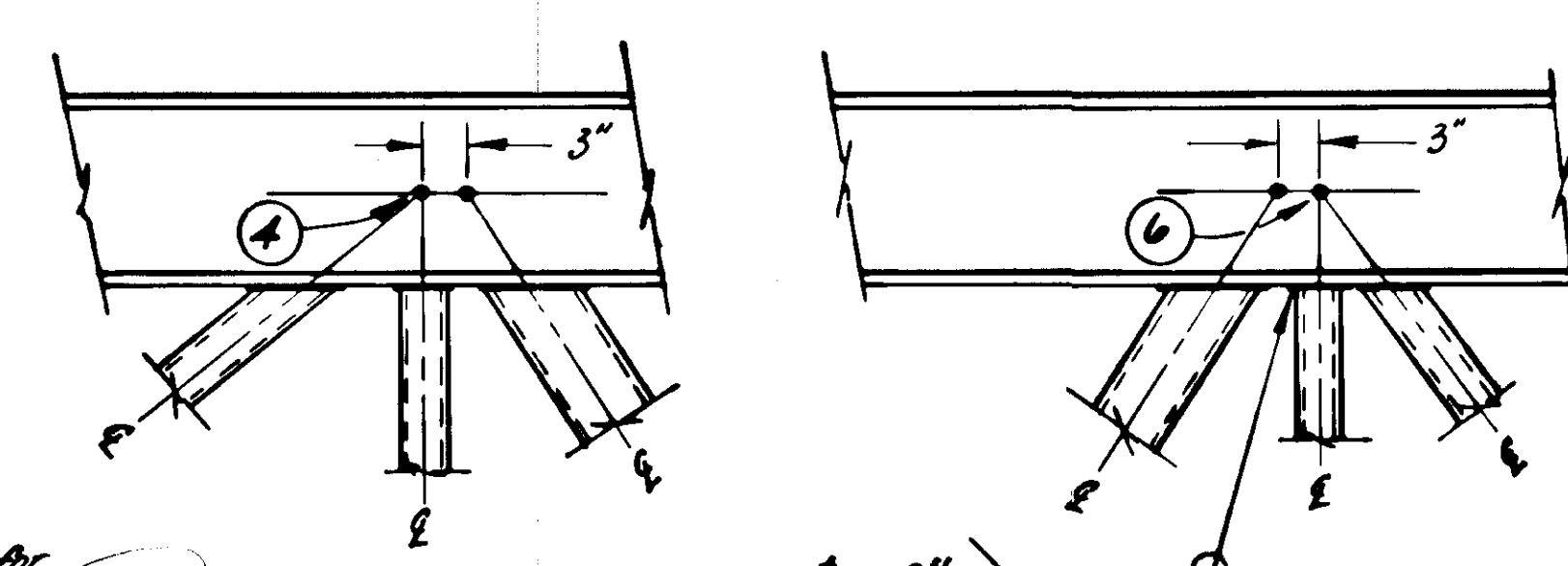
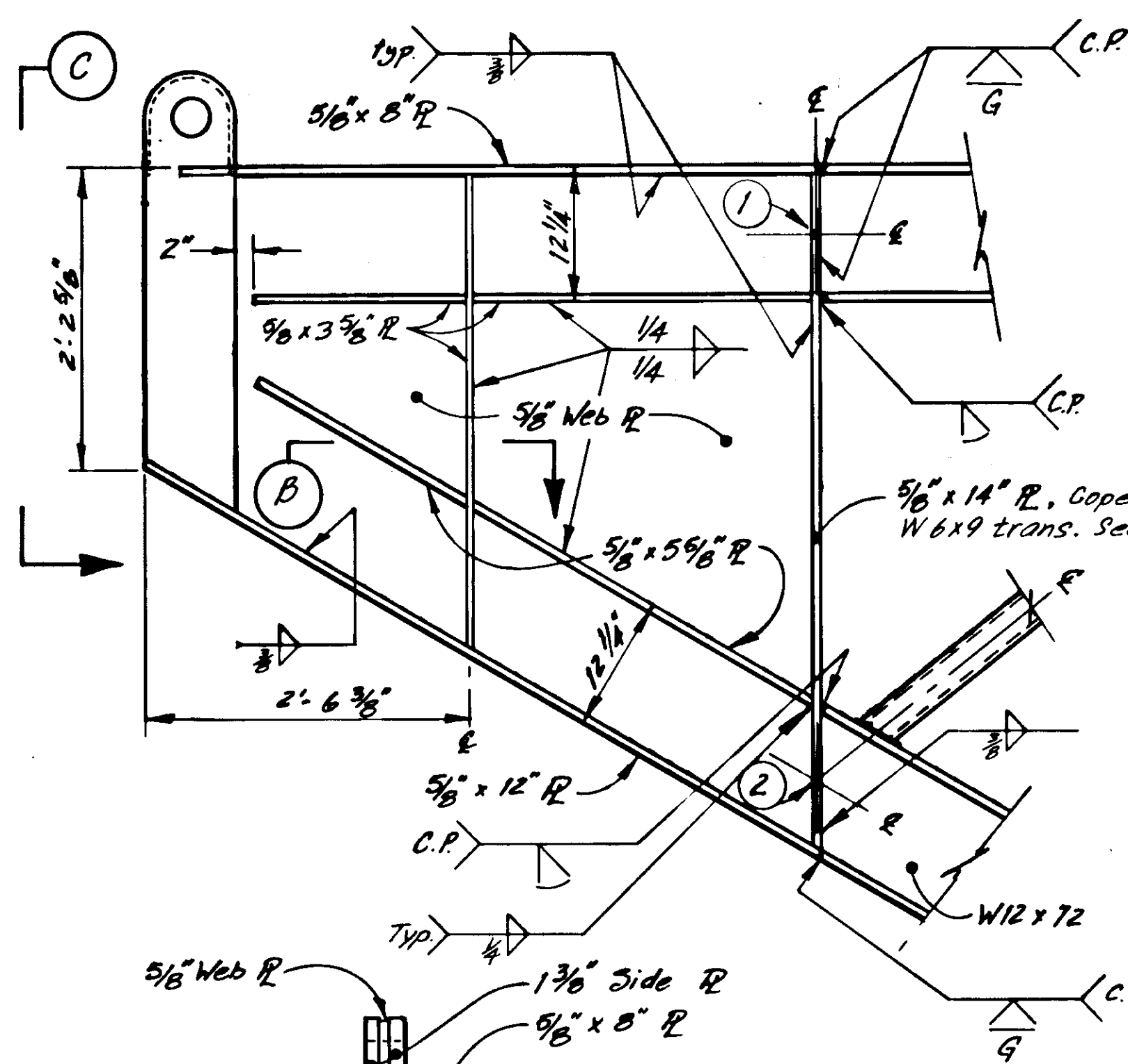
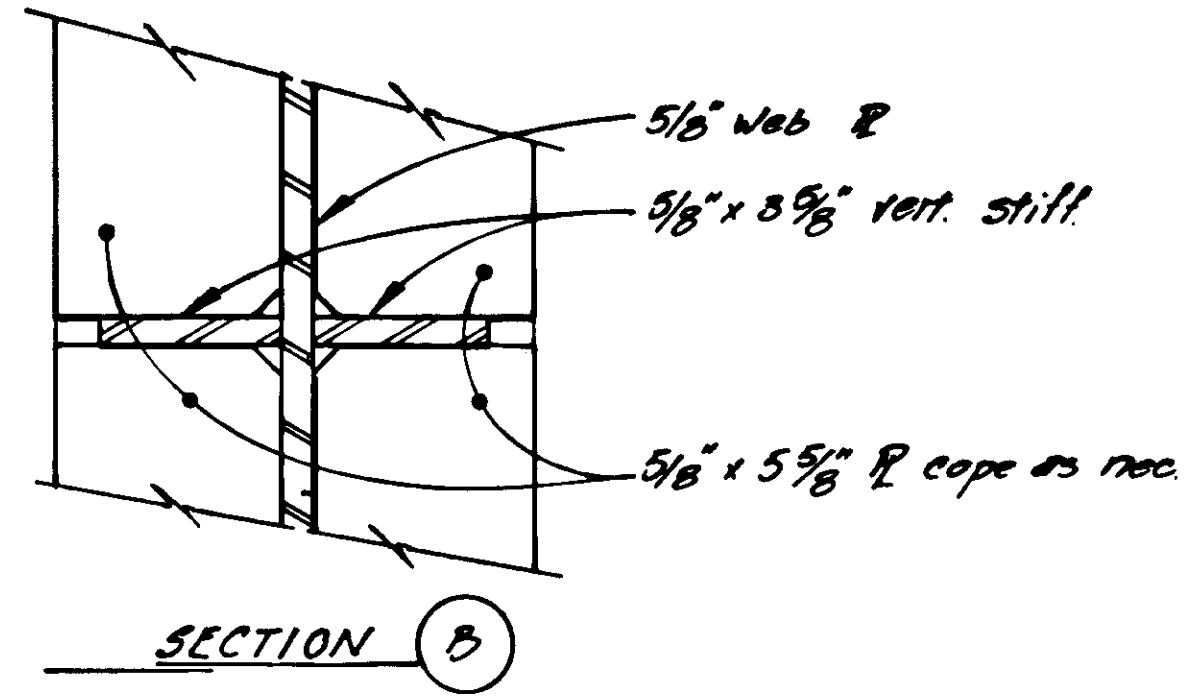
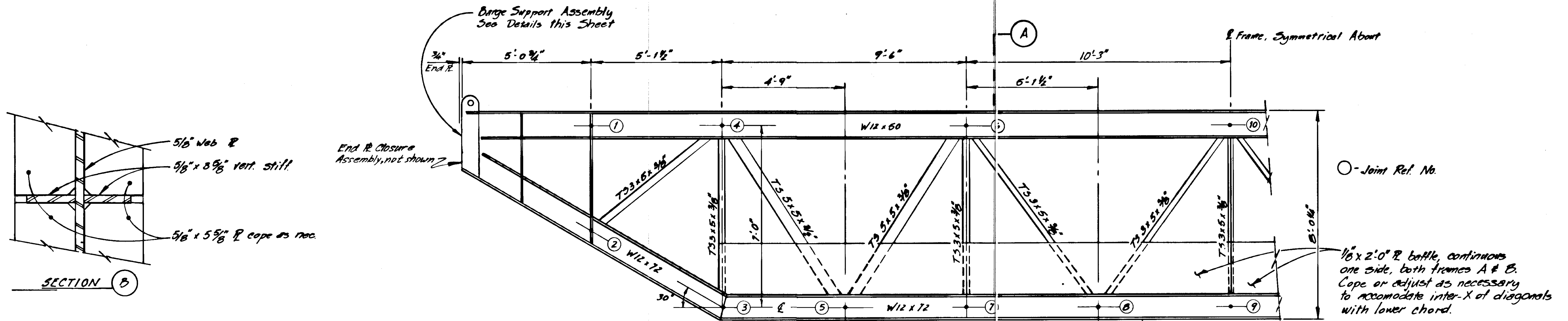


BARGE SHEETS - REFERENCE INDEX	
Sheet No.	Description
237	Barge Layout & Typical Sections
248	Longitudinal Frames A & B
259	Transverse Frames 1-7
2610	Details Frames 1-7
2711	Details Frames 2, 4 & 6
2812	Details Frames 3 & 5
2913	Water-tight Bulkheads & Bridge Bearing Details
3014	Panels T1-T12 & Manhole Details
3115	Panels B1-B11 & S1-S4
3216	End Closure Assembly & Fender Details
3317	Panel Connection & Misc. Details

Note: Approximate Total Weight of Barge ≈ 110,000 lbs.

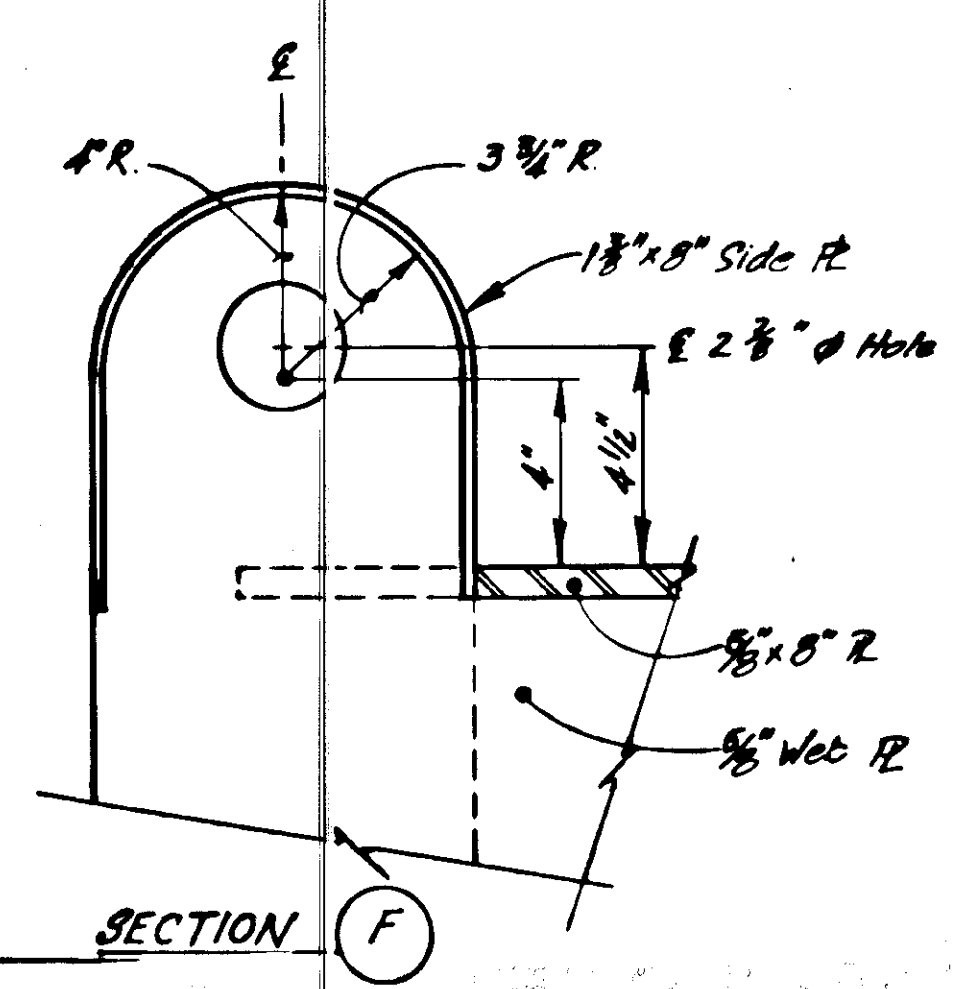
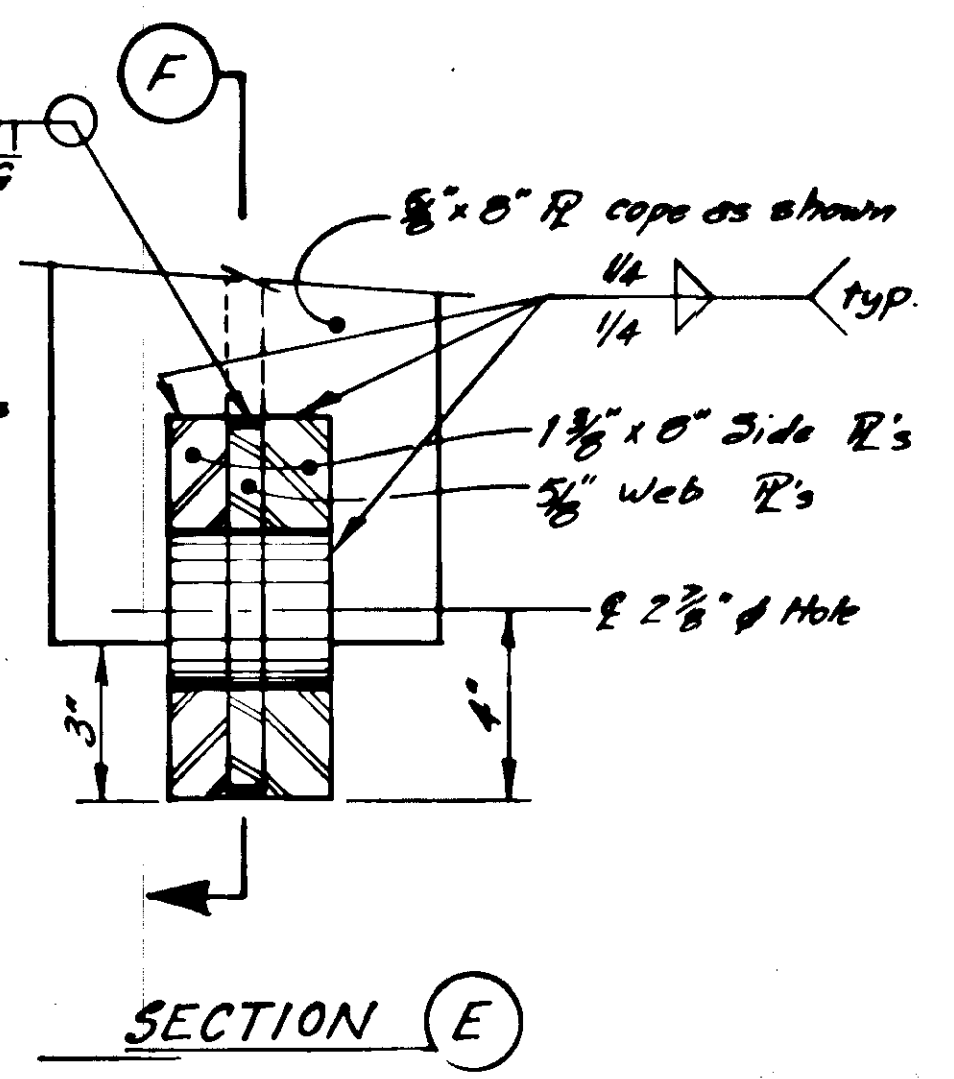
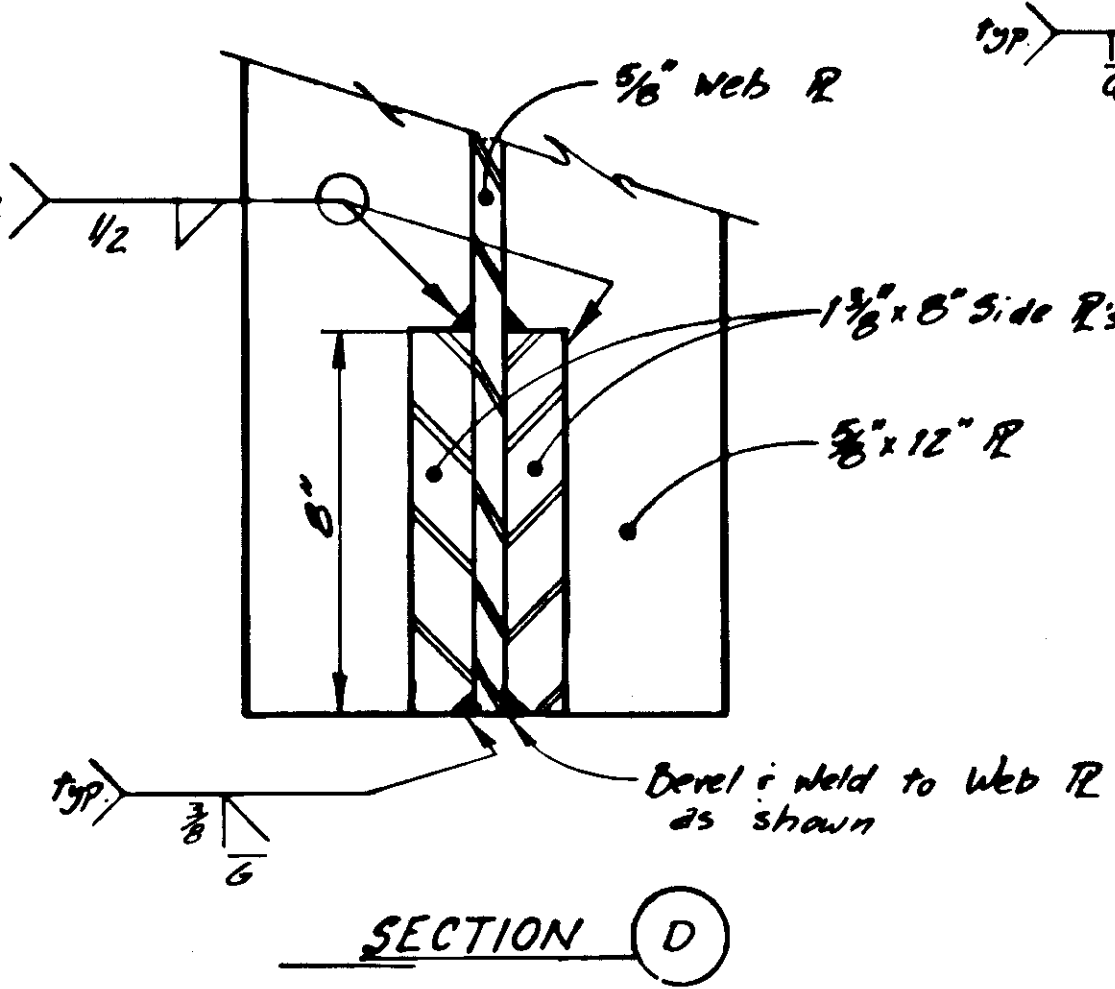
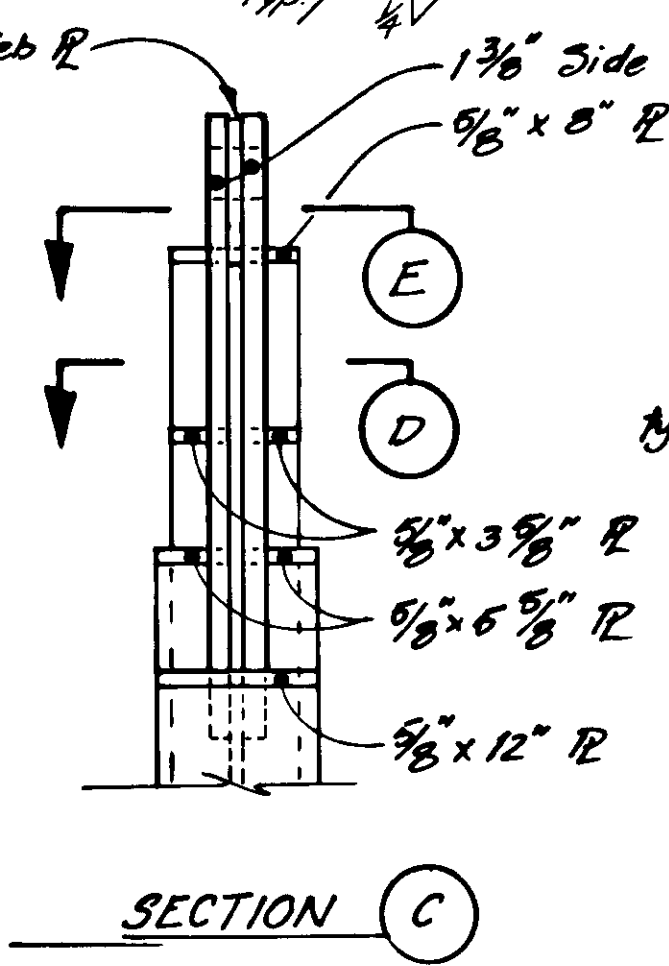
PROJECT NO. STP-093-3(7) 175265
AS-BUILT INFO. SHEET 7 OF 39

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	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
	Auke Bay Alaska BARGE LAYOUT & TYPICAL SECTIONS			
DESIGNED JAL	CHECKED JS	DRAWN JAL	DATE 5-88	
PROJECT NUMBER F-095-4(16)	SHEET 23		OF 57	



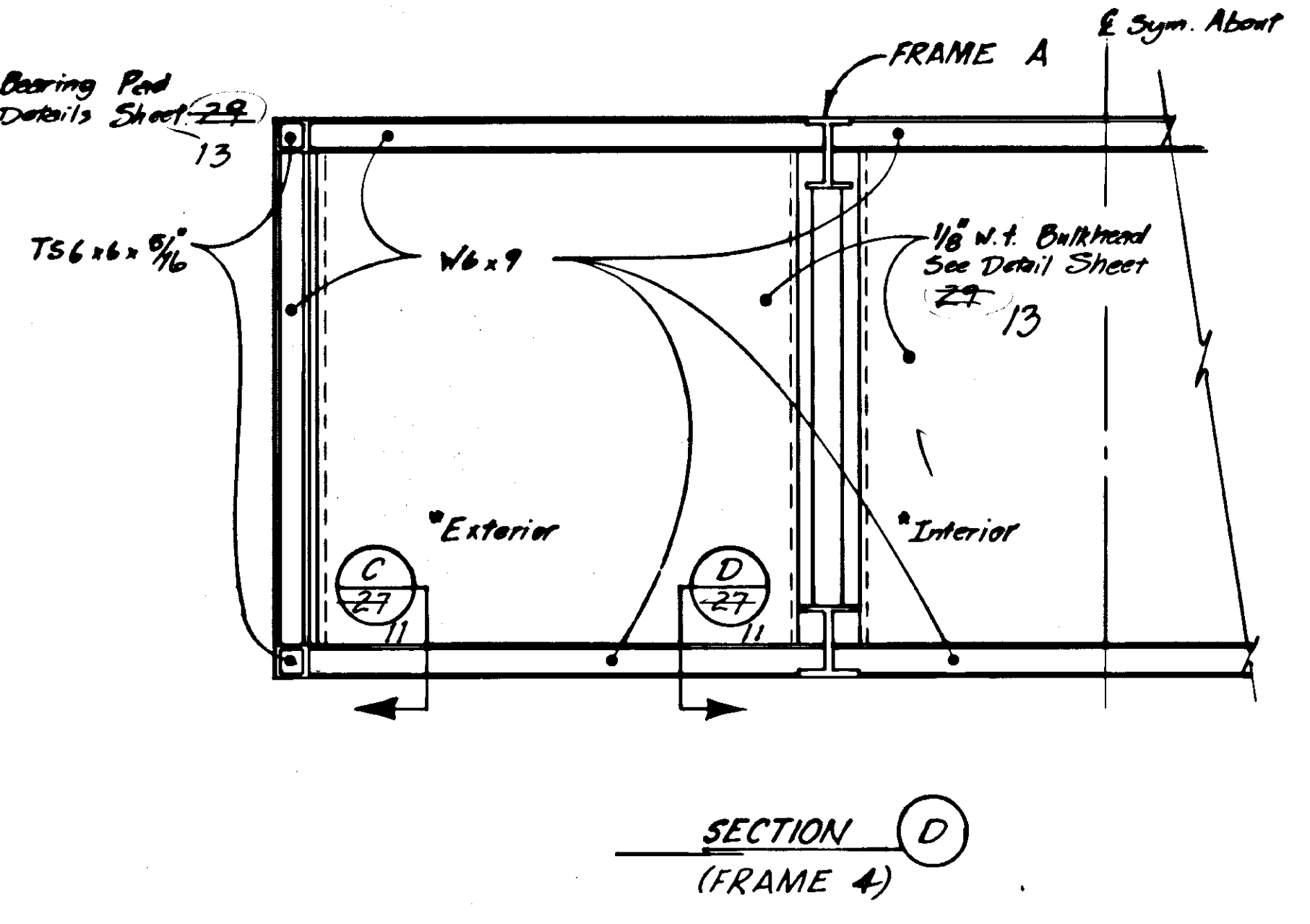
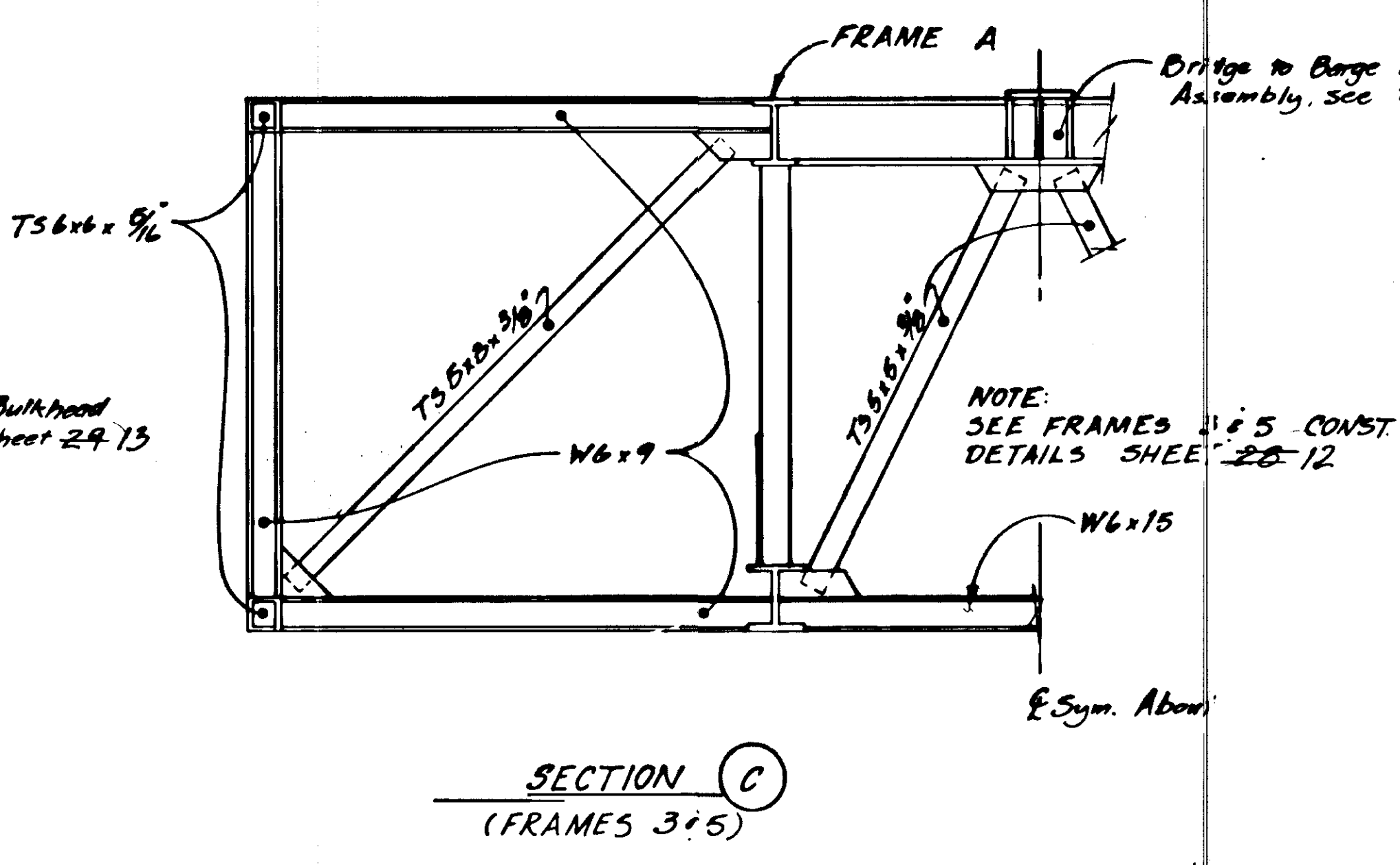
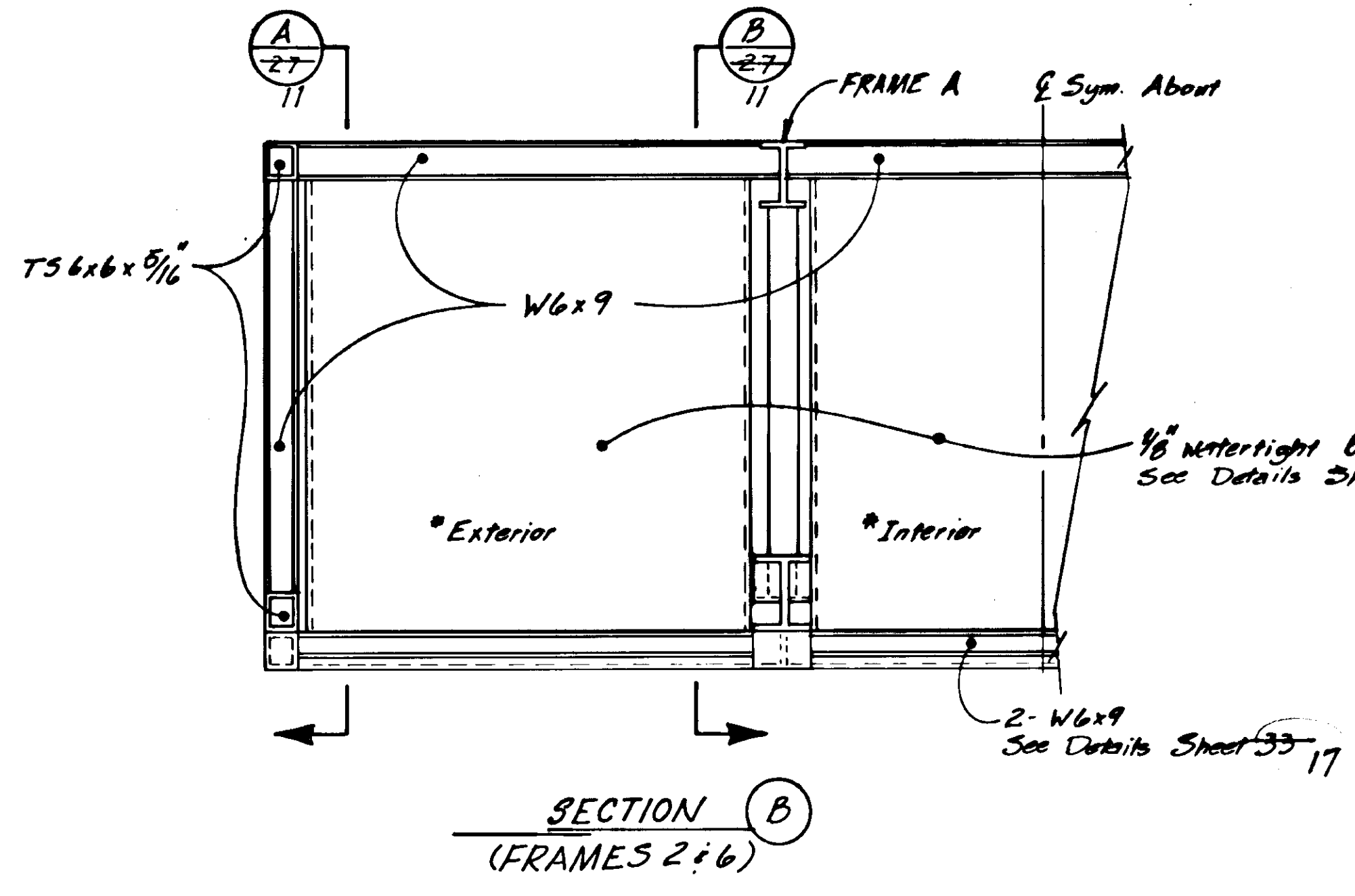
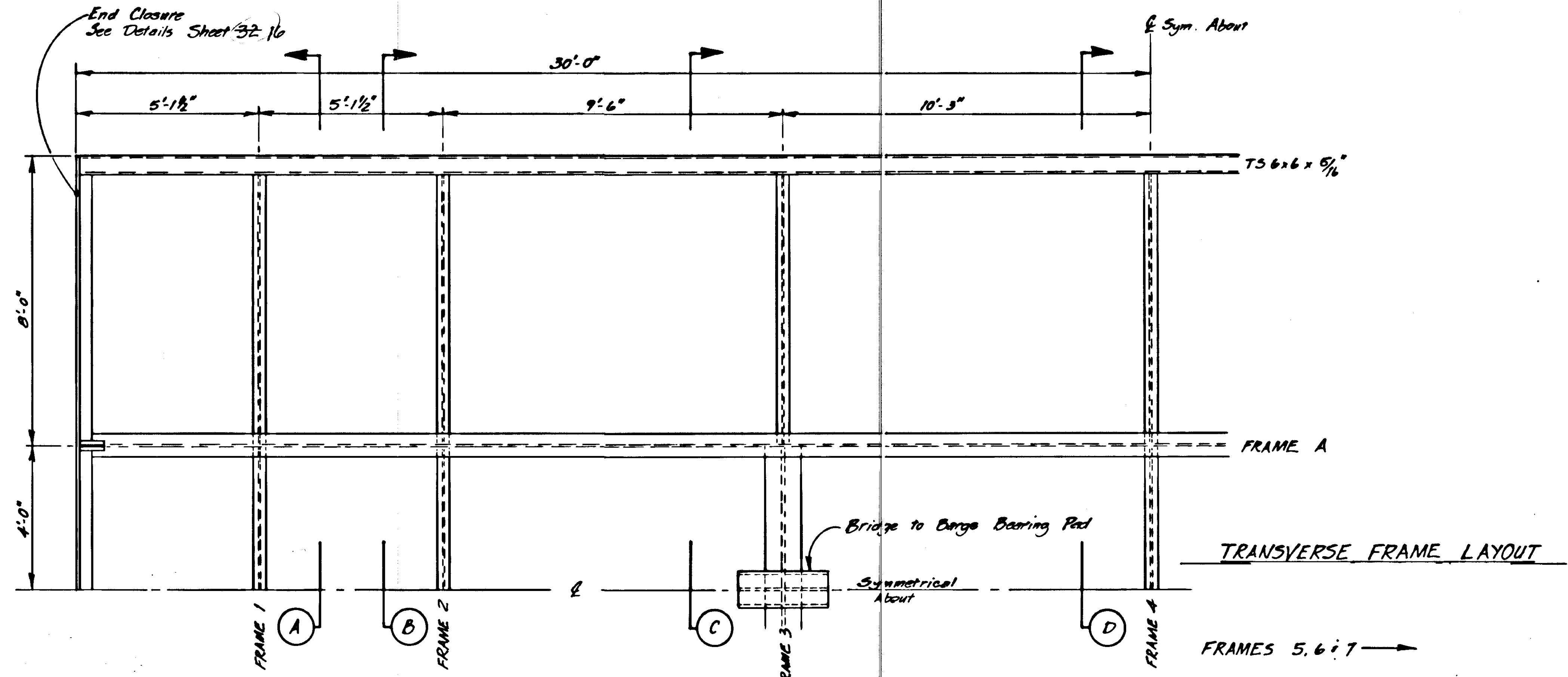
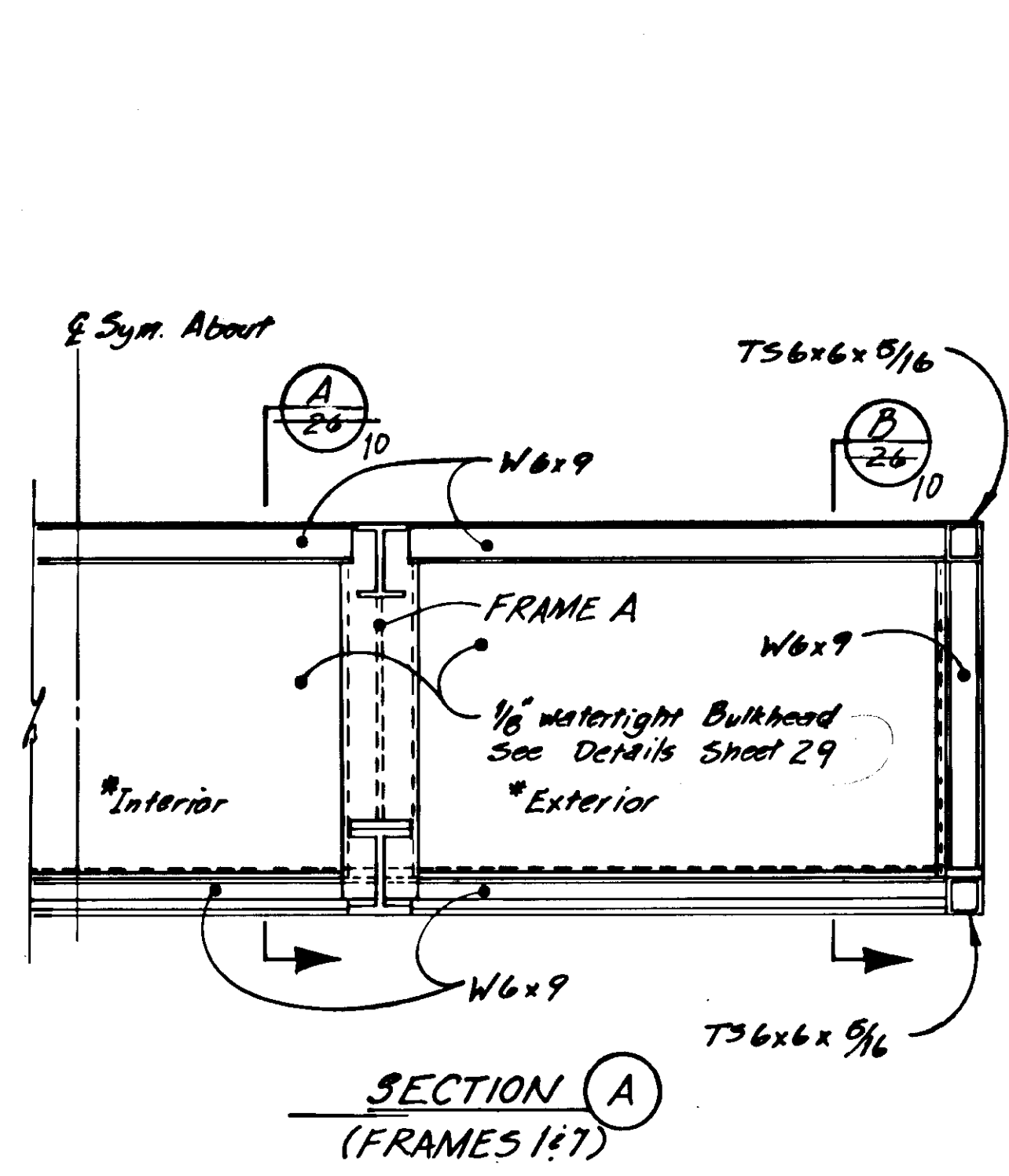
Note: Baffle not shown for sake of clarity

Notes:
1. Unless otherwise noted, all main chord members shall be full length.



PROJECT NO. STP-093-3(7) / 75265
AS-BUILT INFO. SHEET B OF 39

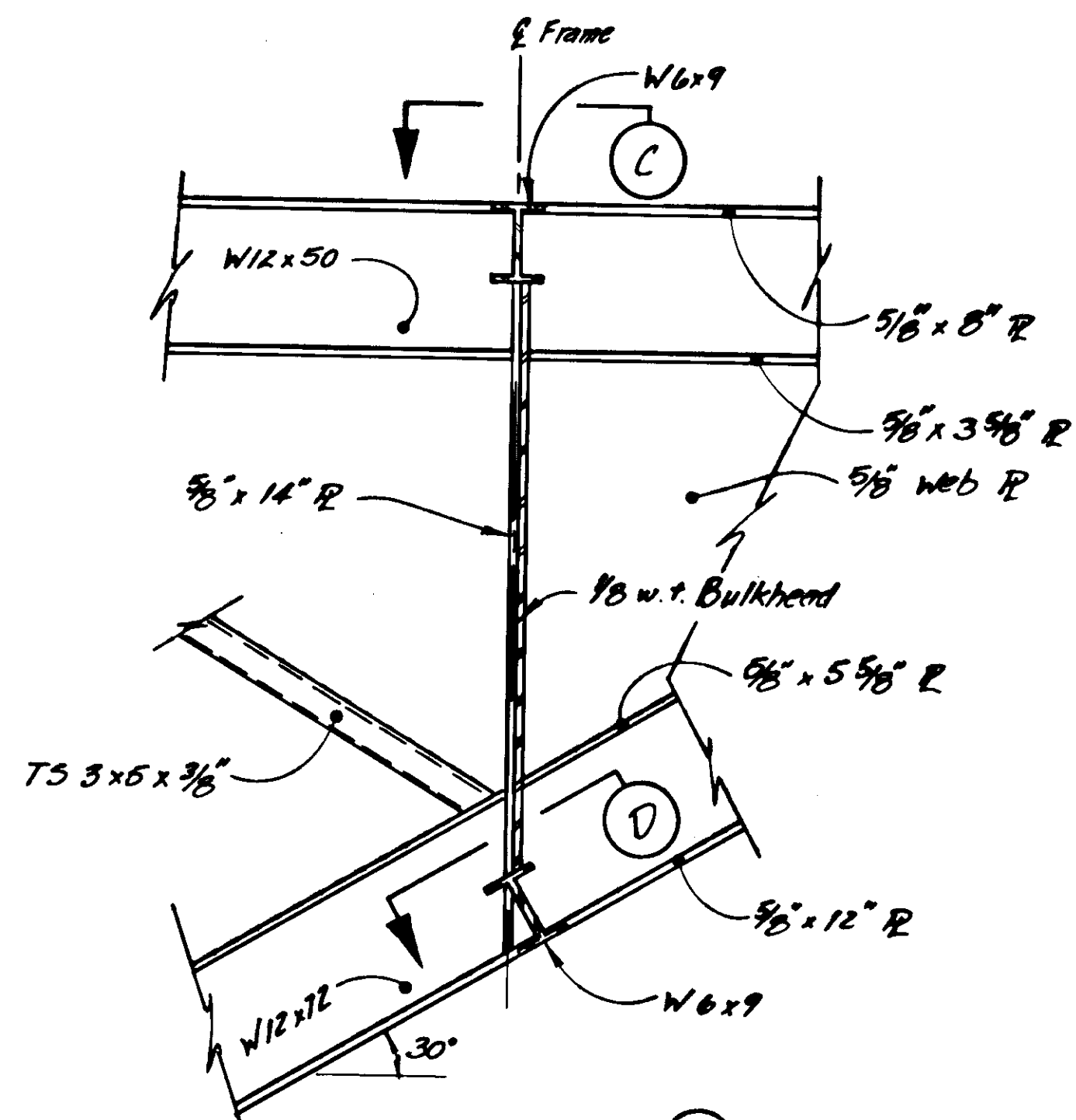
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	Auke Bay, Alaska			
LONGITUDINAL FRAMES A & B				
DESIGNED JAL	CHECKED JS	DRAWN JAL	DATE 5-88	
PROJECT NUMBER F-095-4(16)	SHEET 24		OF 57	



*Bulkhead type reference

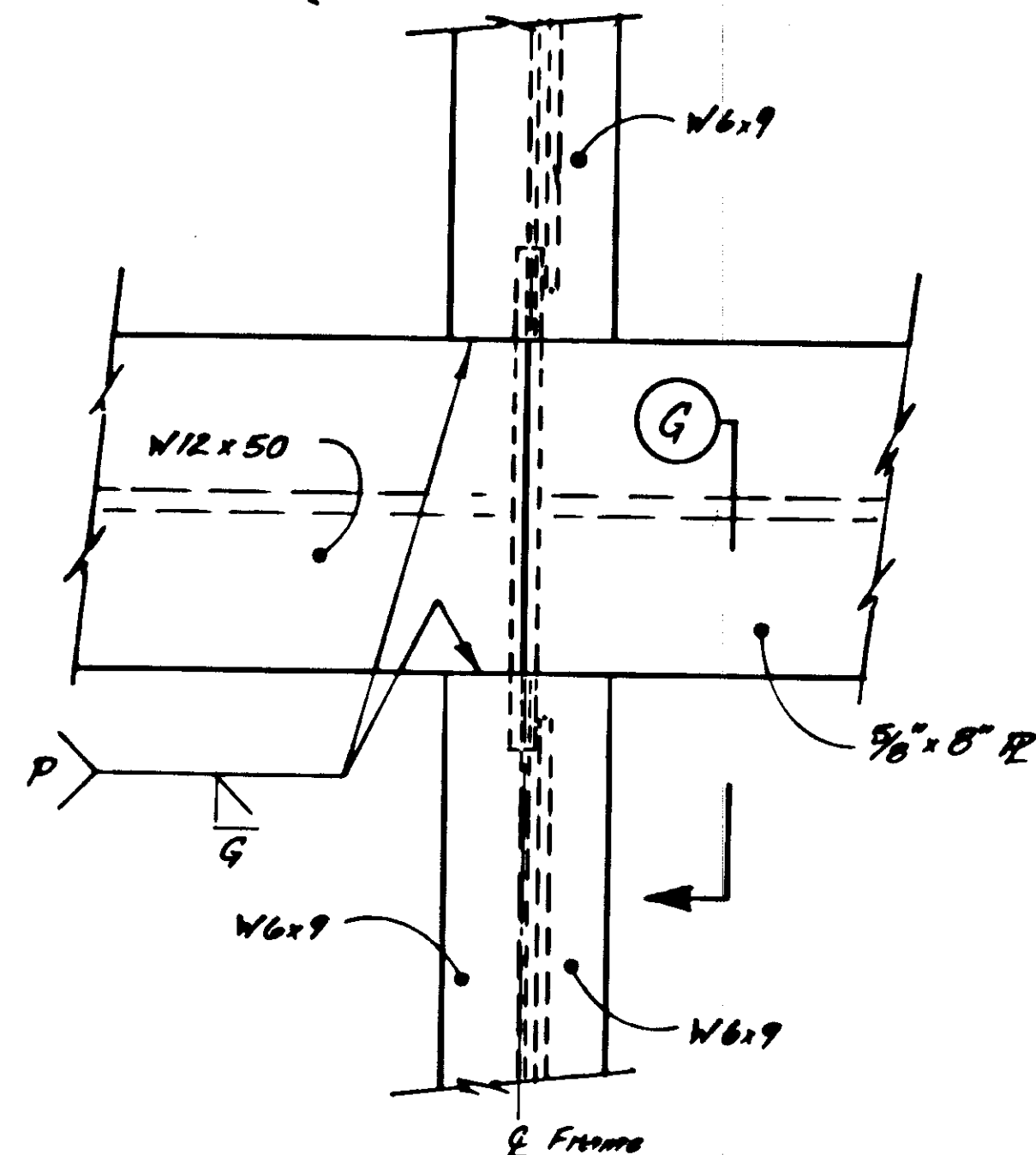
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AS-BUILT INFO. SHEET 9 OF 39

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	Auke Bay		Alaska	
TRANSVERSE FRAMES 1-7				
DESIGNED JAL	CHECKED JS	DRAWN JAL	DATE 5-88	
PROJECT NUMBER F-095-A(16)		SHEET 25 OF 57		

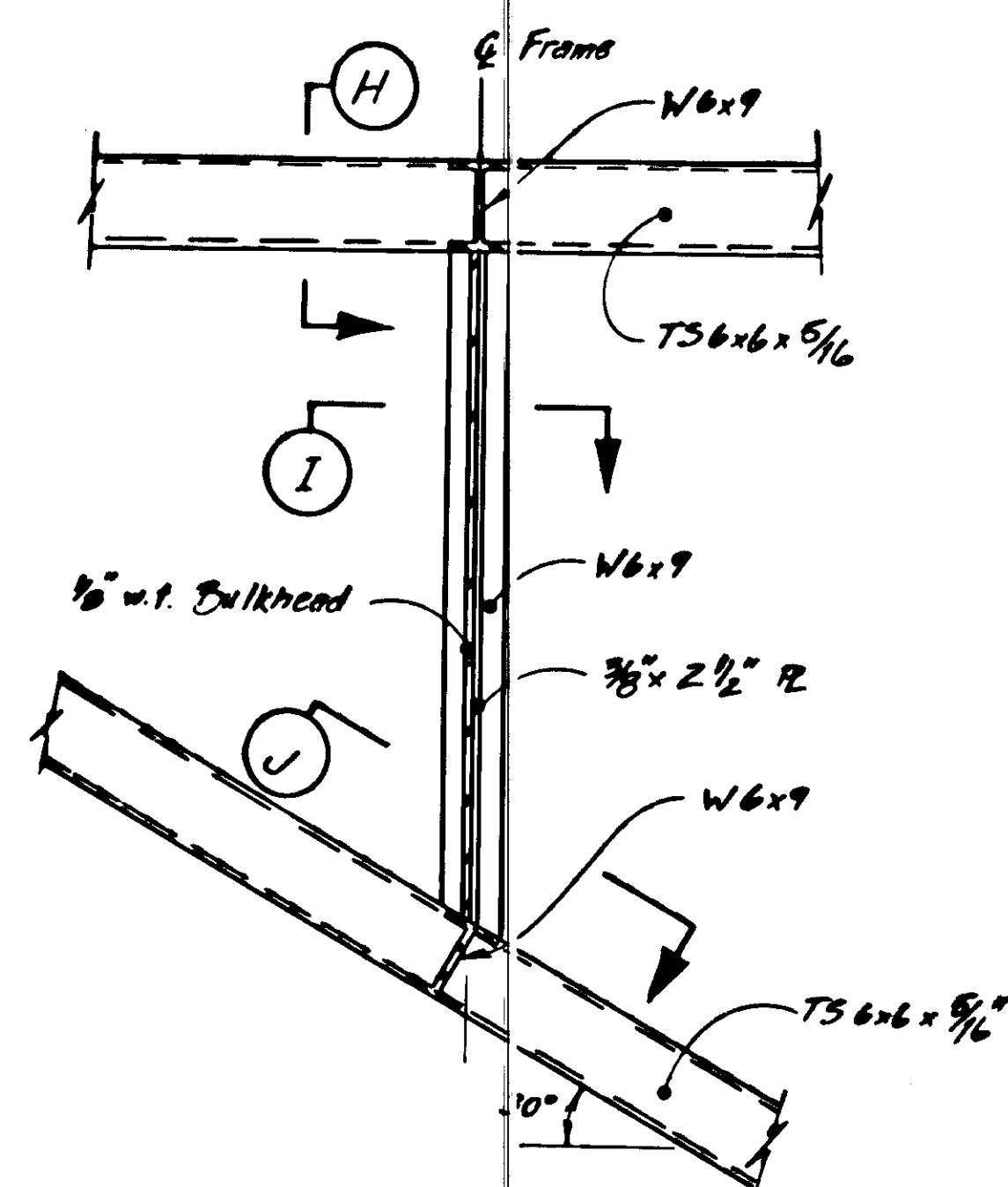


SECTION A

(From Sheet 28)

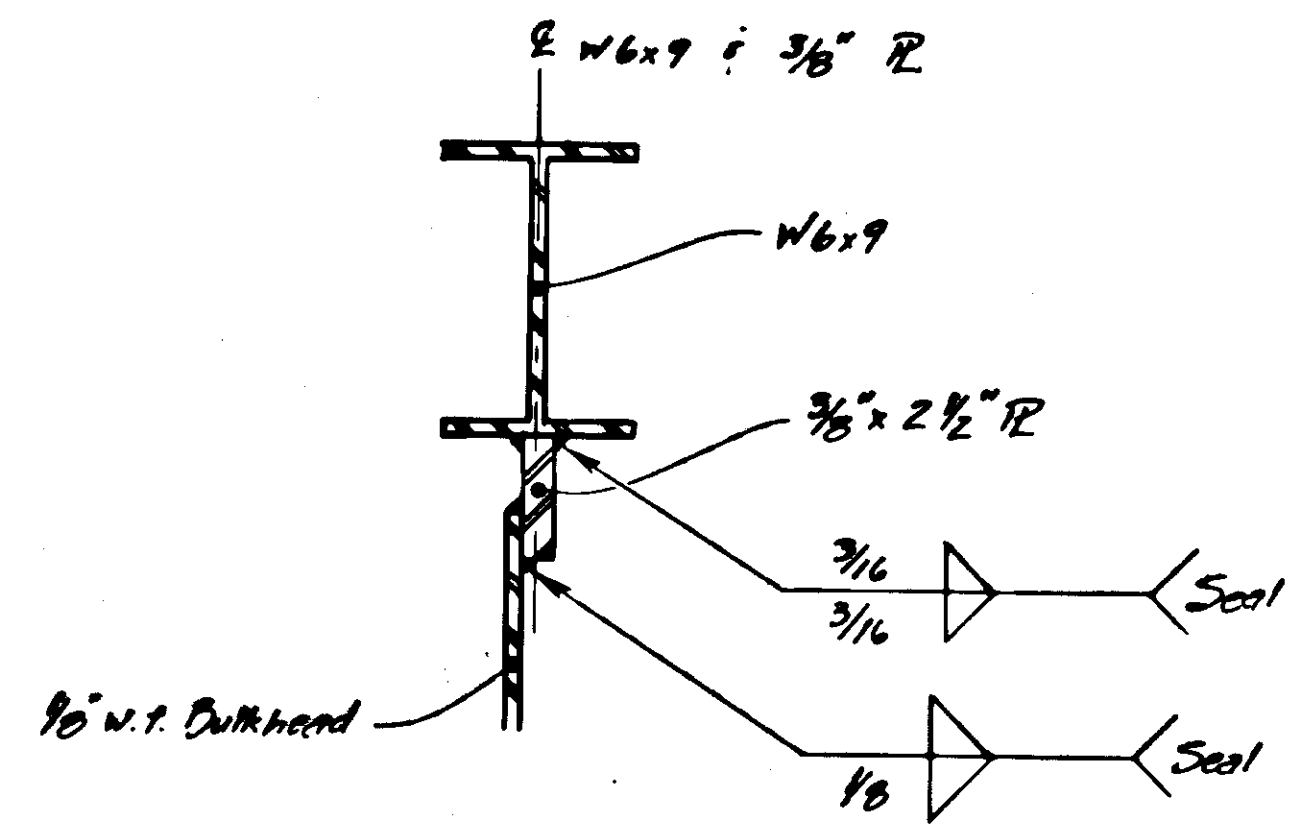


SECTION C

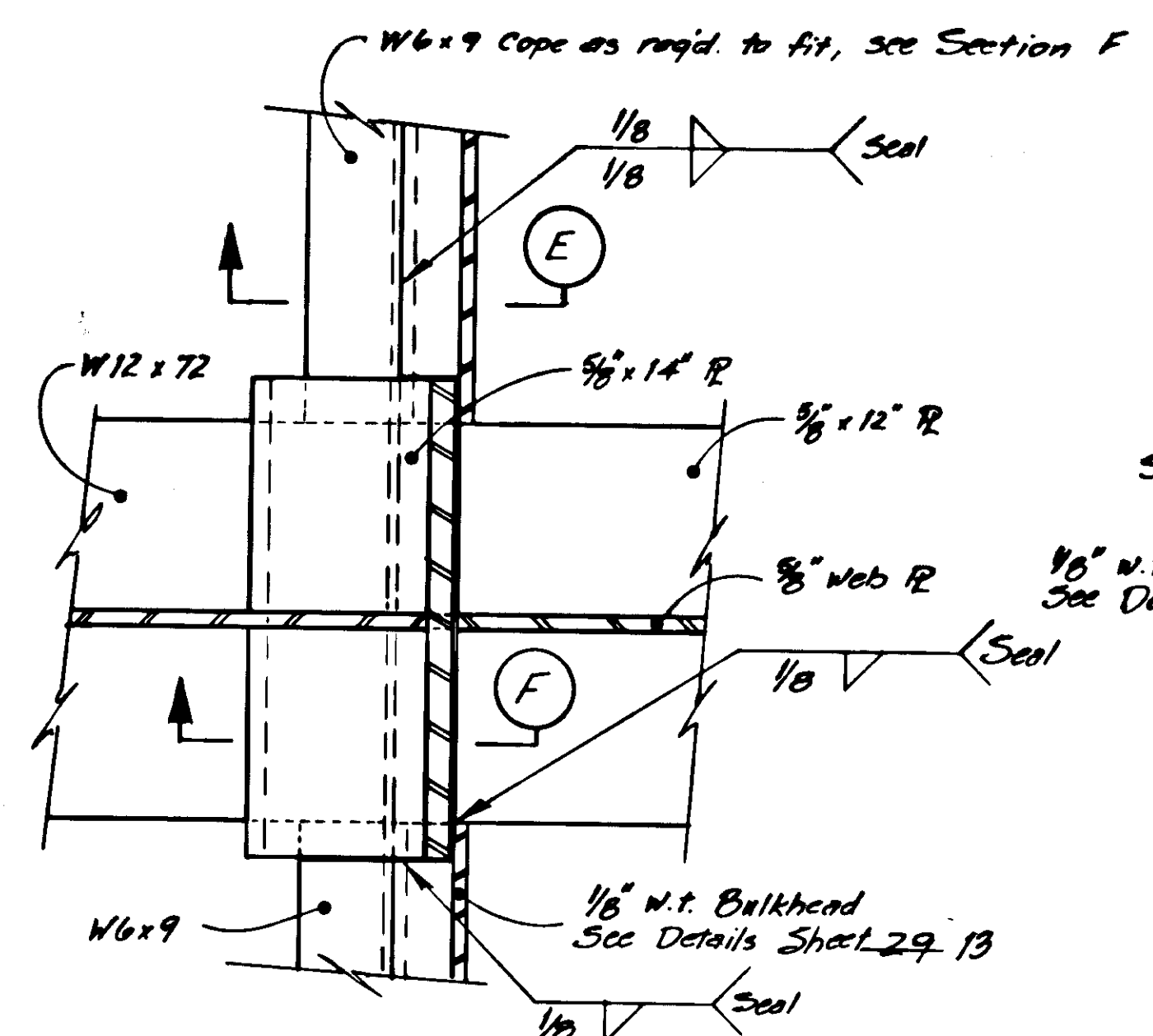


SECTION B

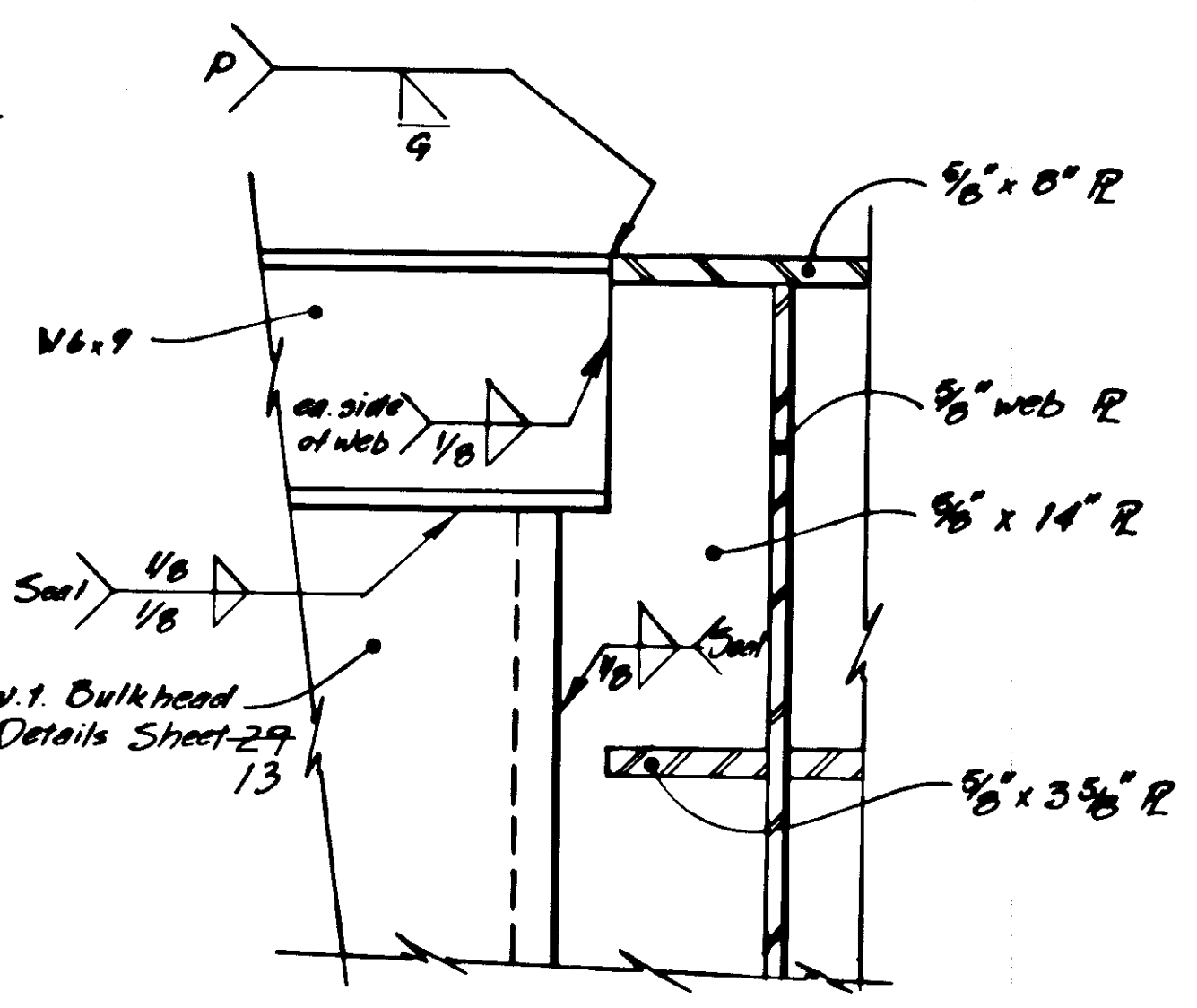
(From Sheet 25, 19)



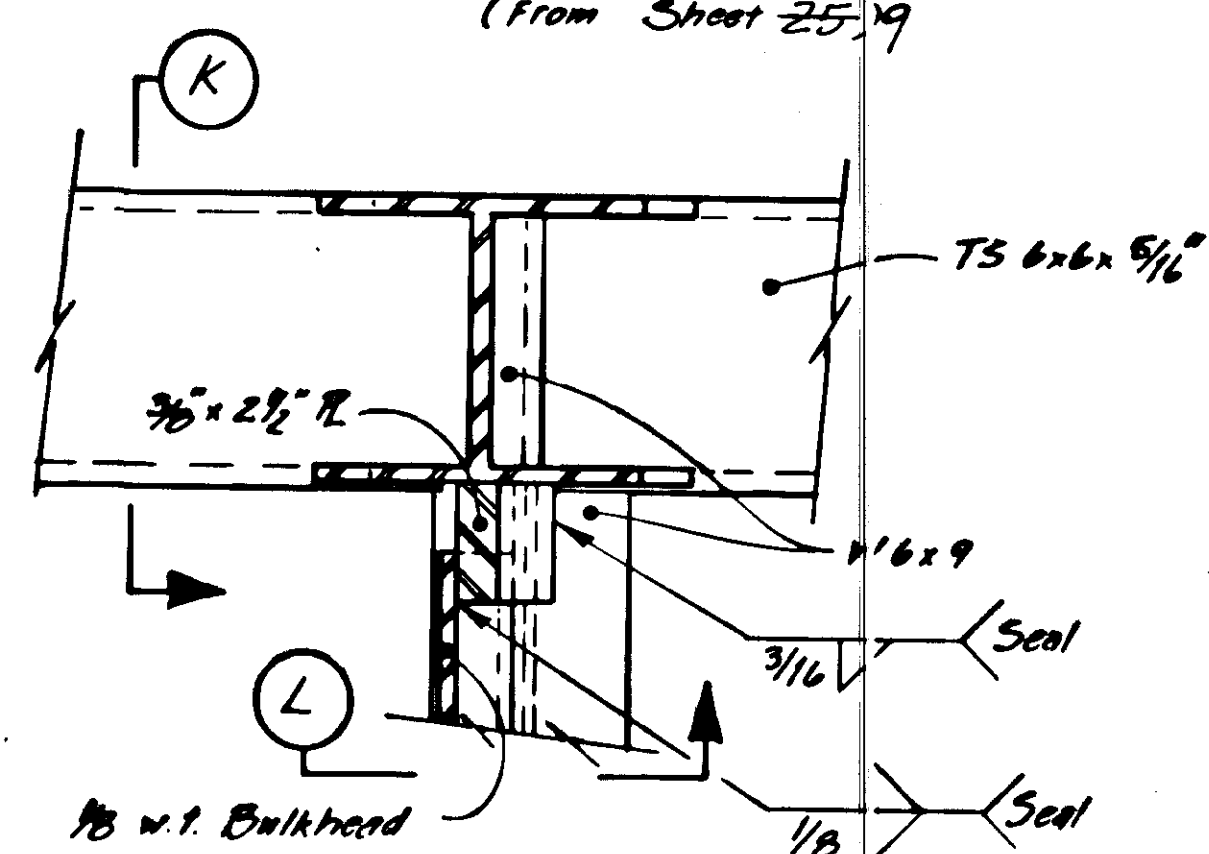
SECTION I



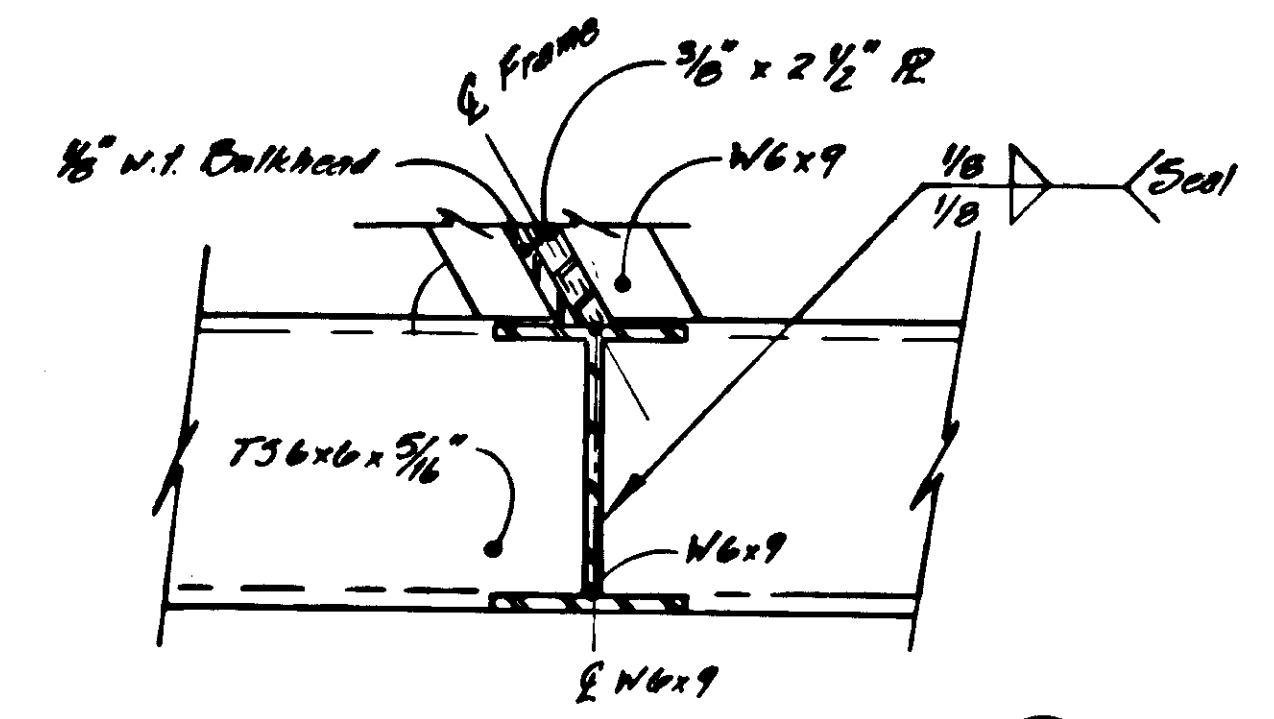
SECTION D



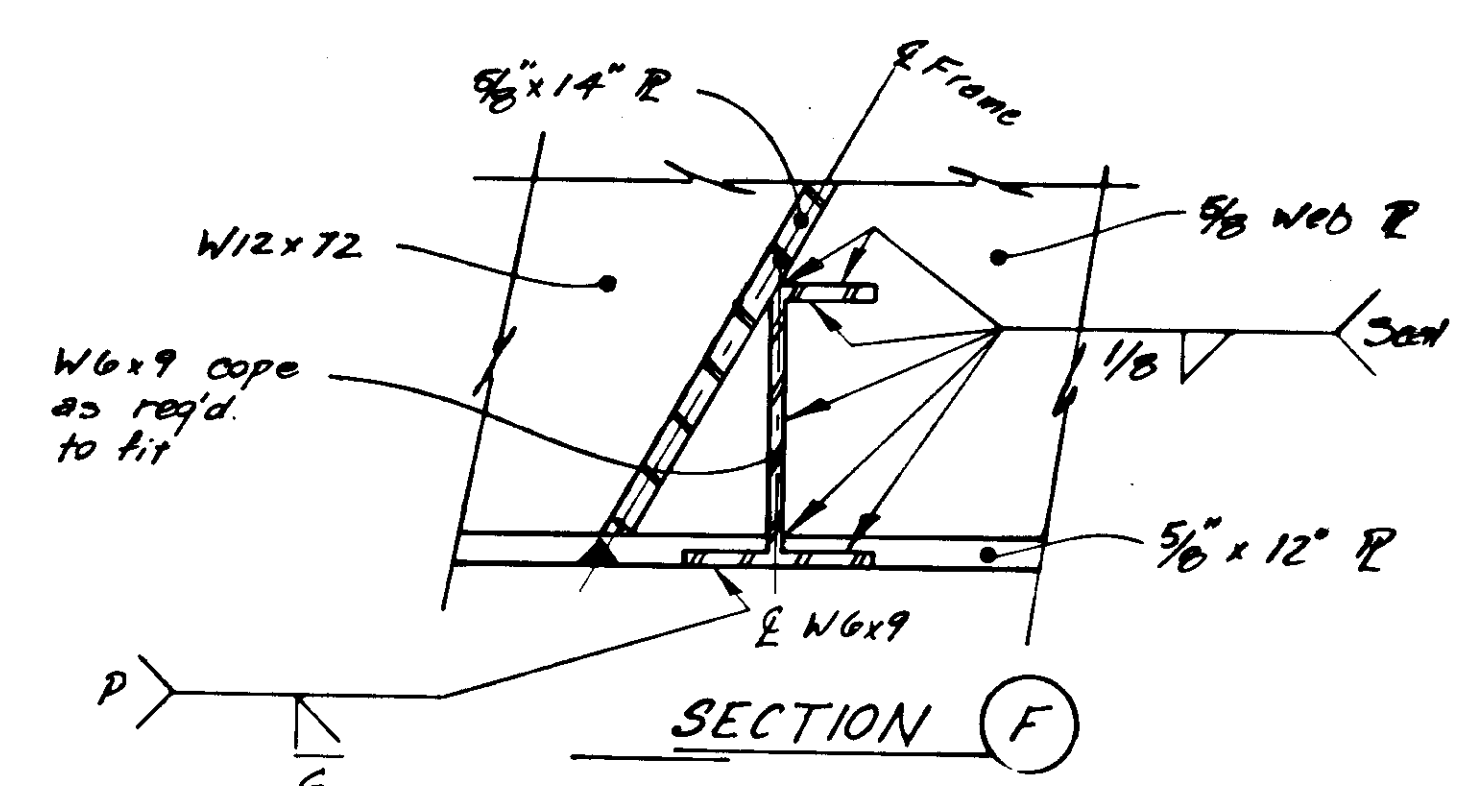
SECTION G



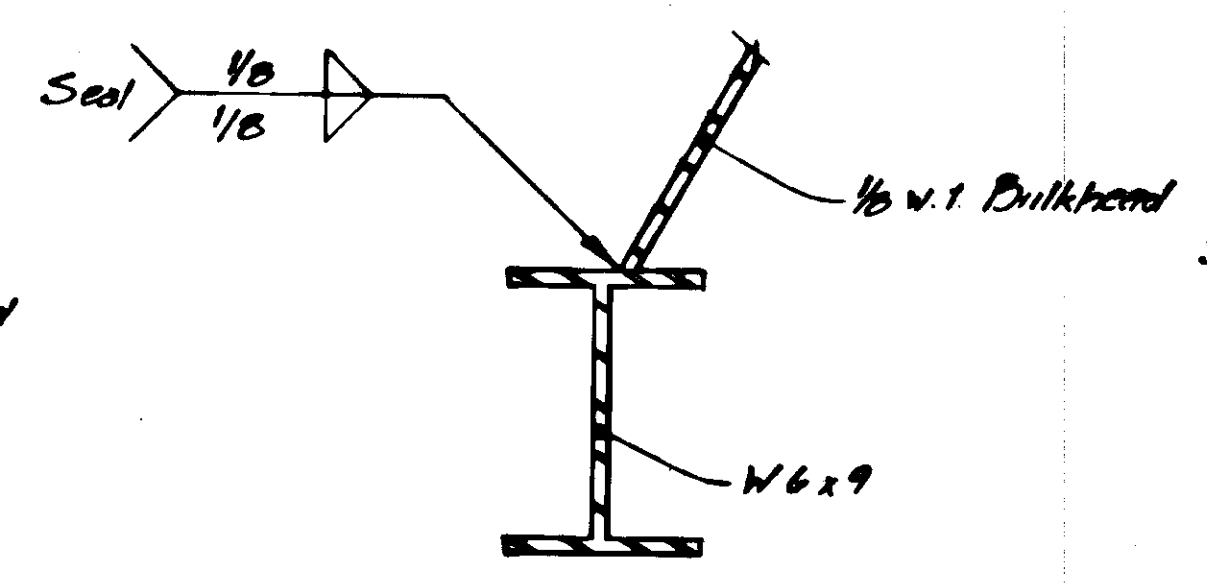
SECTION J



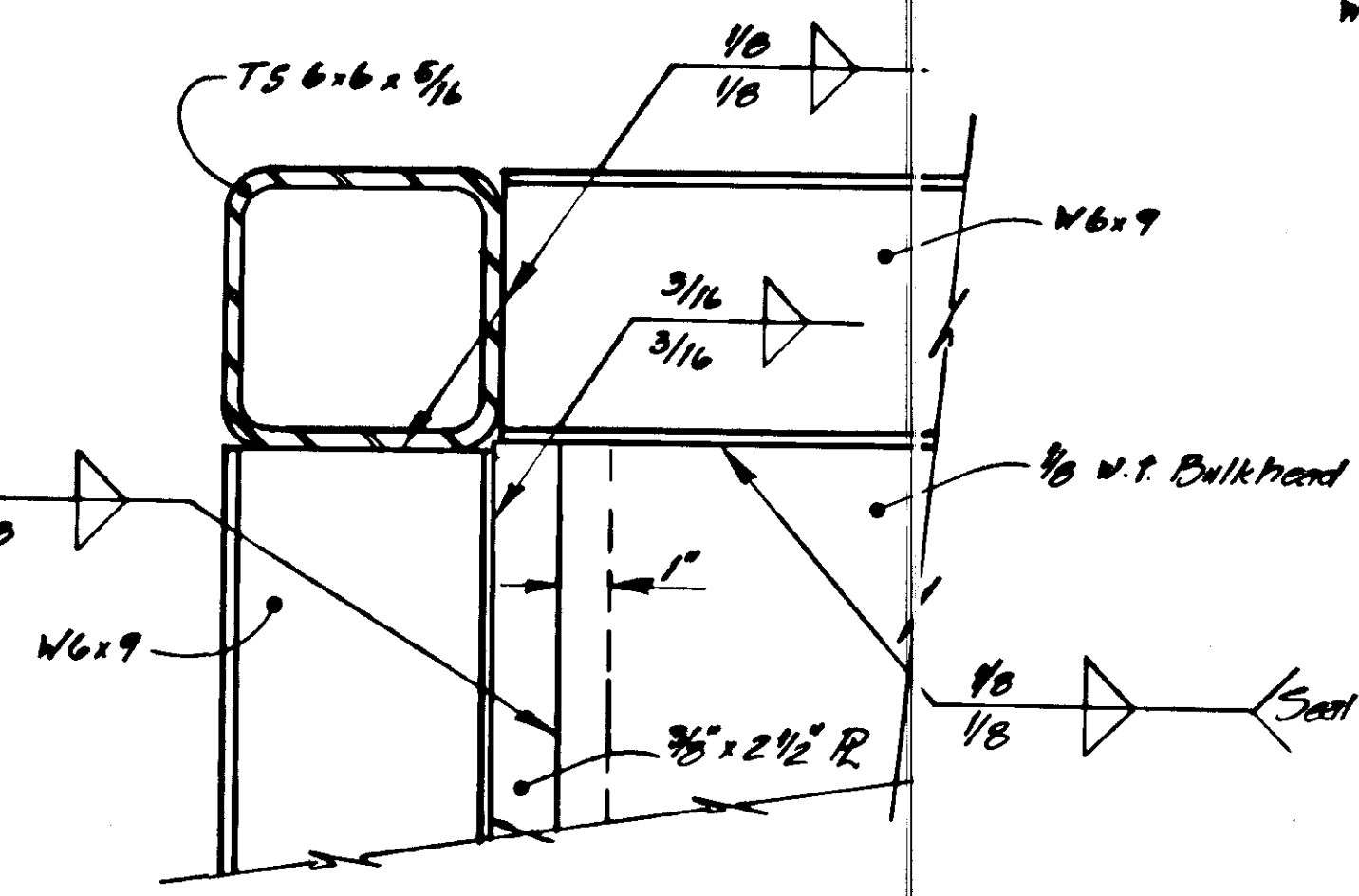
SECTION L



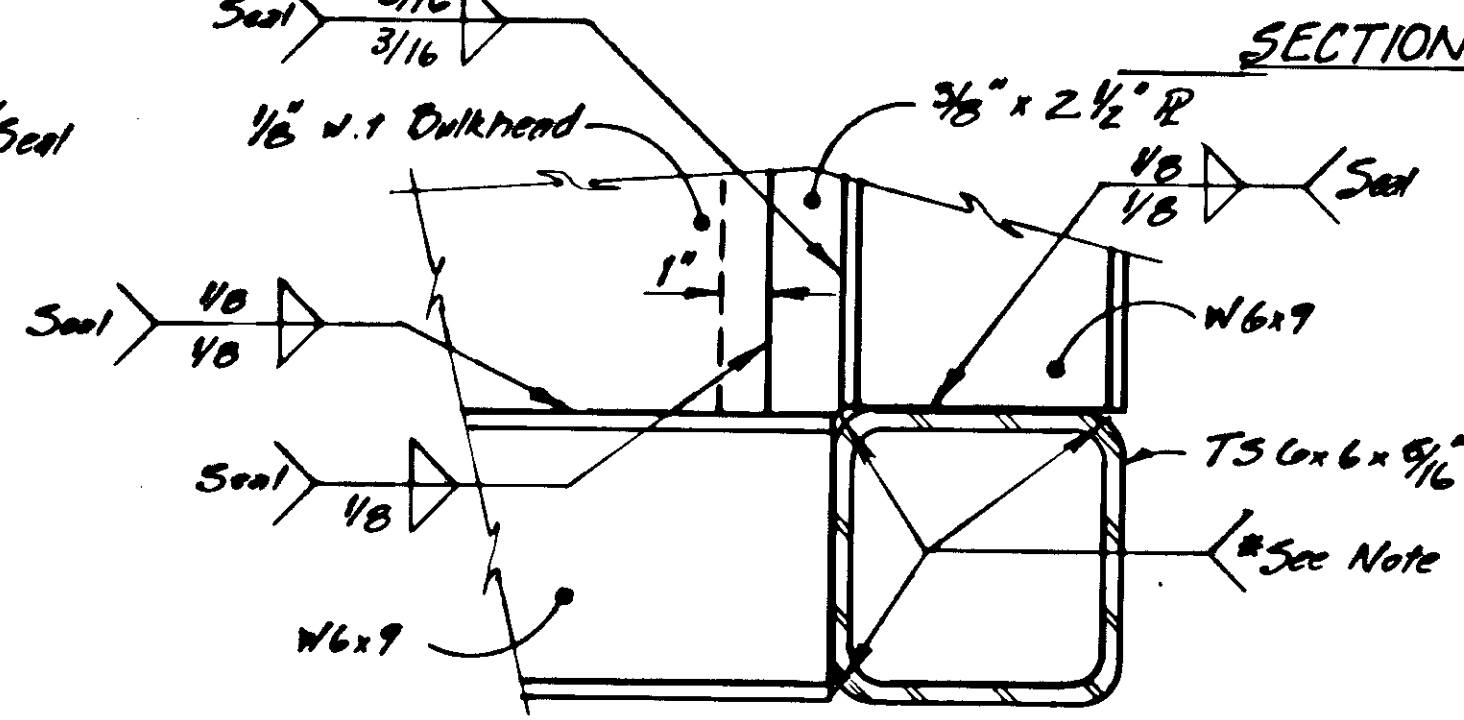
SECTION F



SECTION E



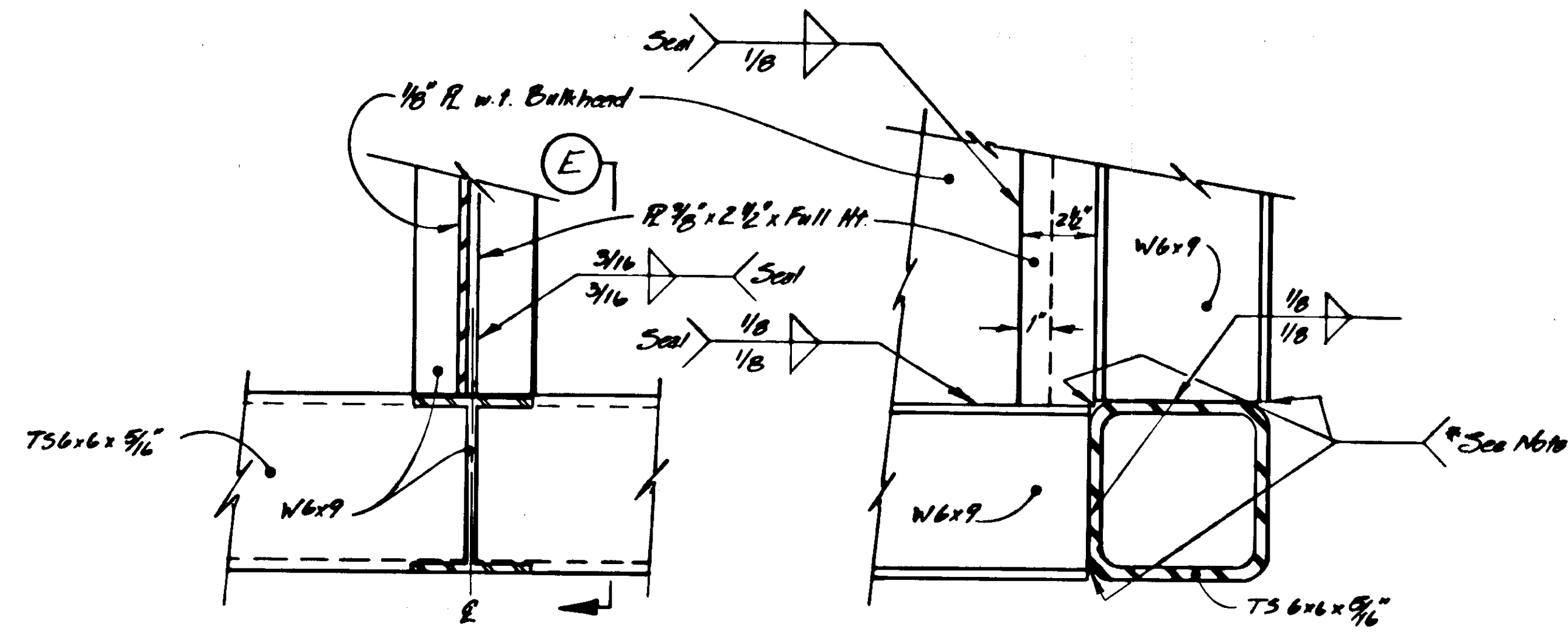
SECTION H



SECTION K

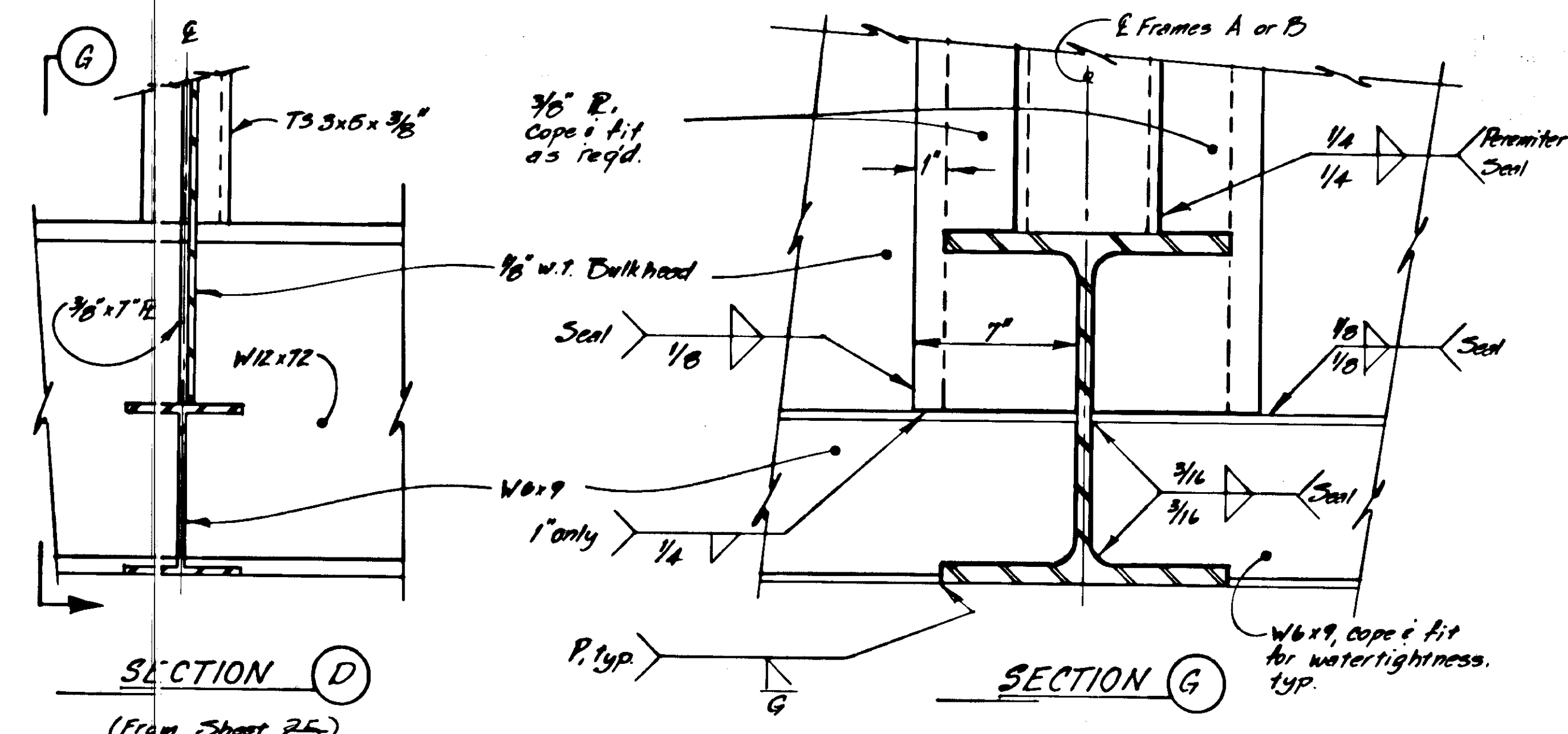
* Note: Size and type of weld to accommodate seal. On exterior, grind flush to insure proper fit up of hull panels and still maintain watertightness.

	DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
	Auke Bay Alaska	
DETAILS FRAMES 1 : 7		
DESIGNED JAL	CHECKED JS	DRAWN JAL DATE 5-88
PROJECT NUMBER I-095-4(16)	SHEET 26 OF 57	



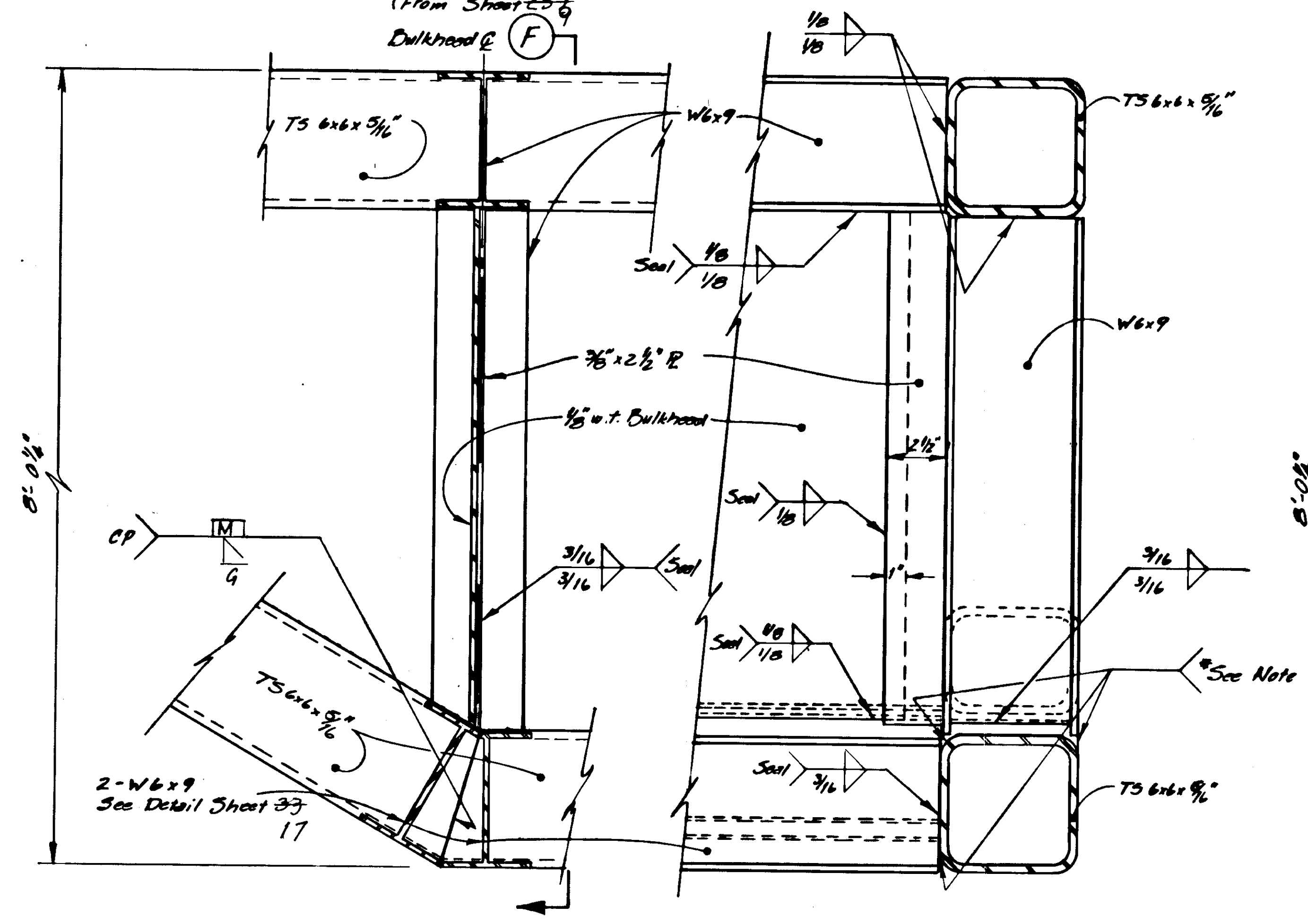
SECTION C
(From Sheet 25)
Bulkhead E

SECTION E



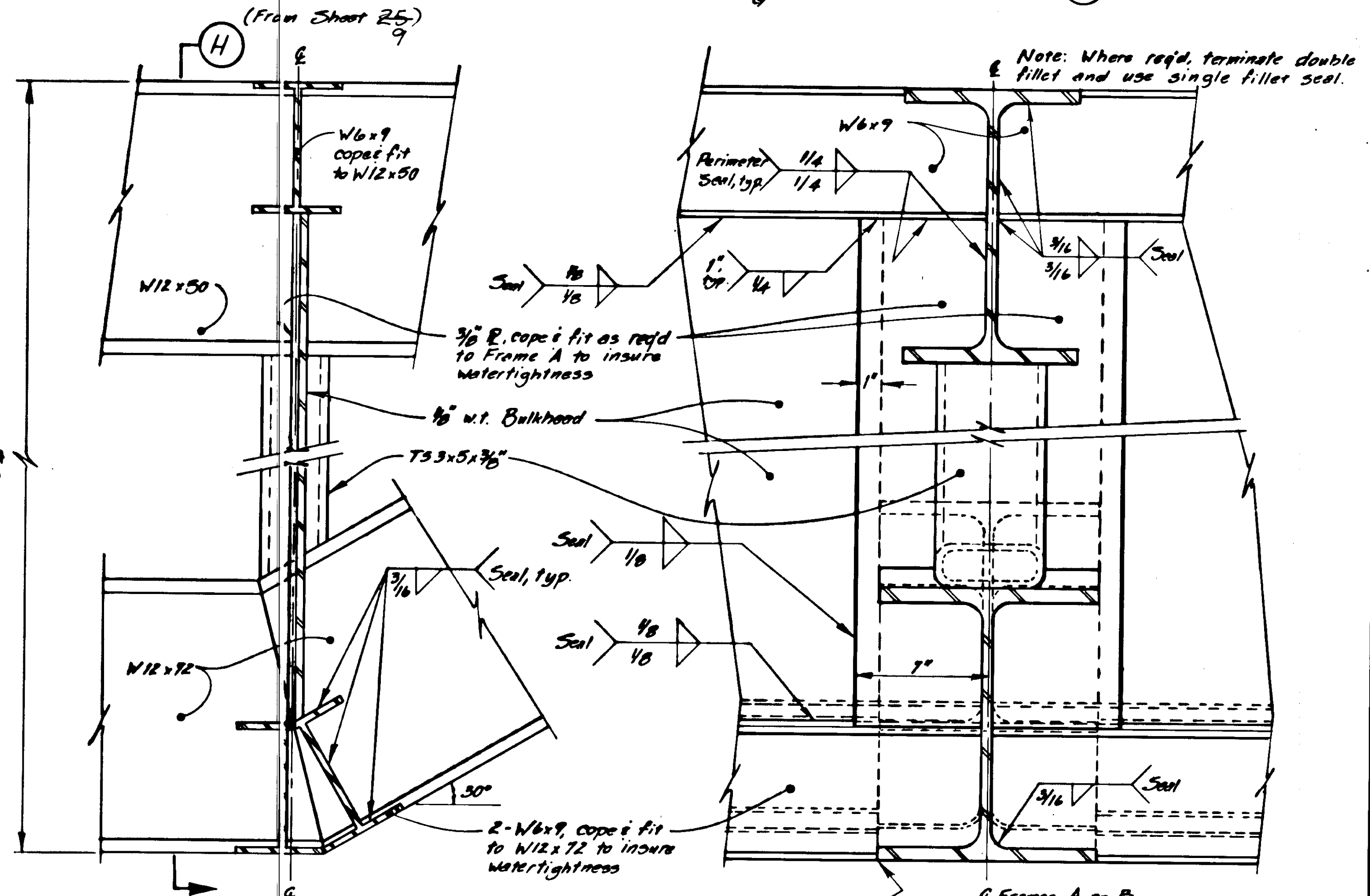
SECTION D
(From Sheet 25)

SECTION G



SECTION A
(From Sheet 25)

SECTION F



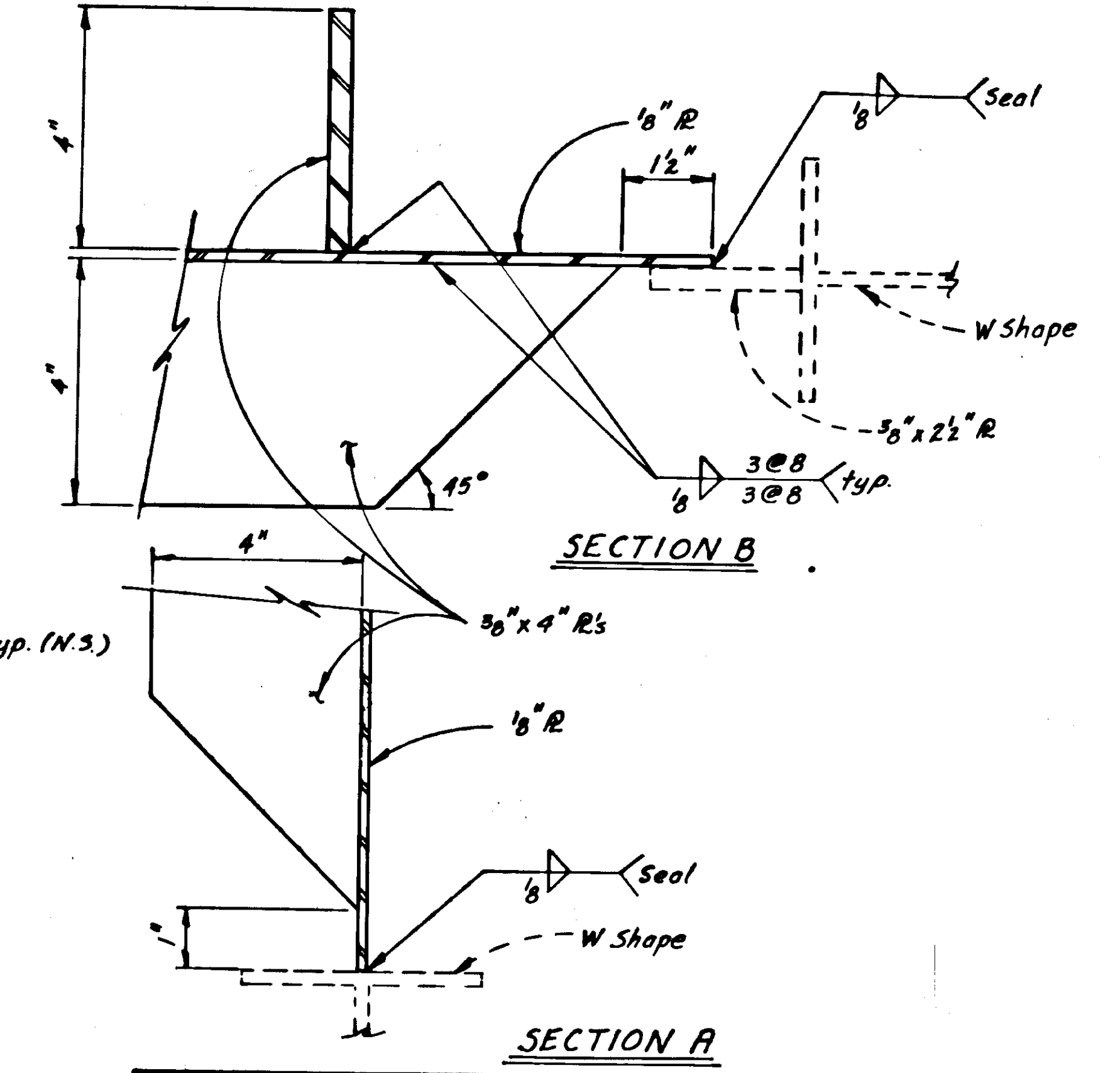
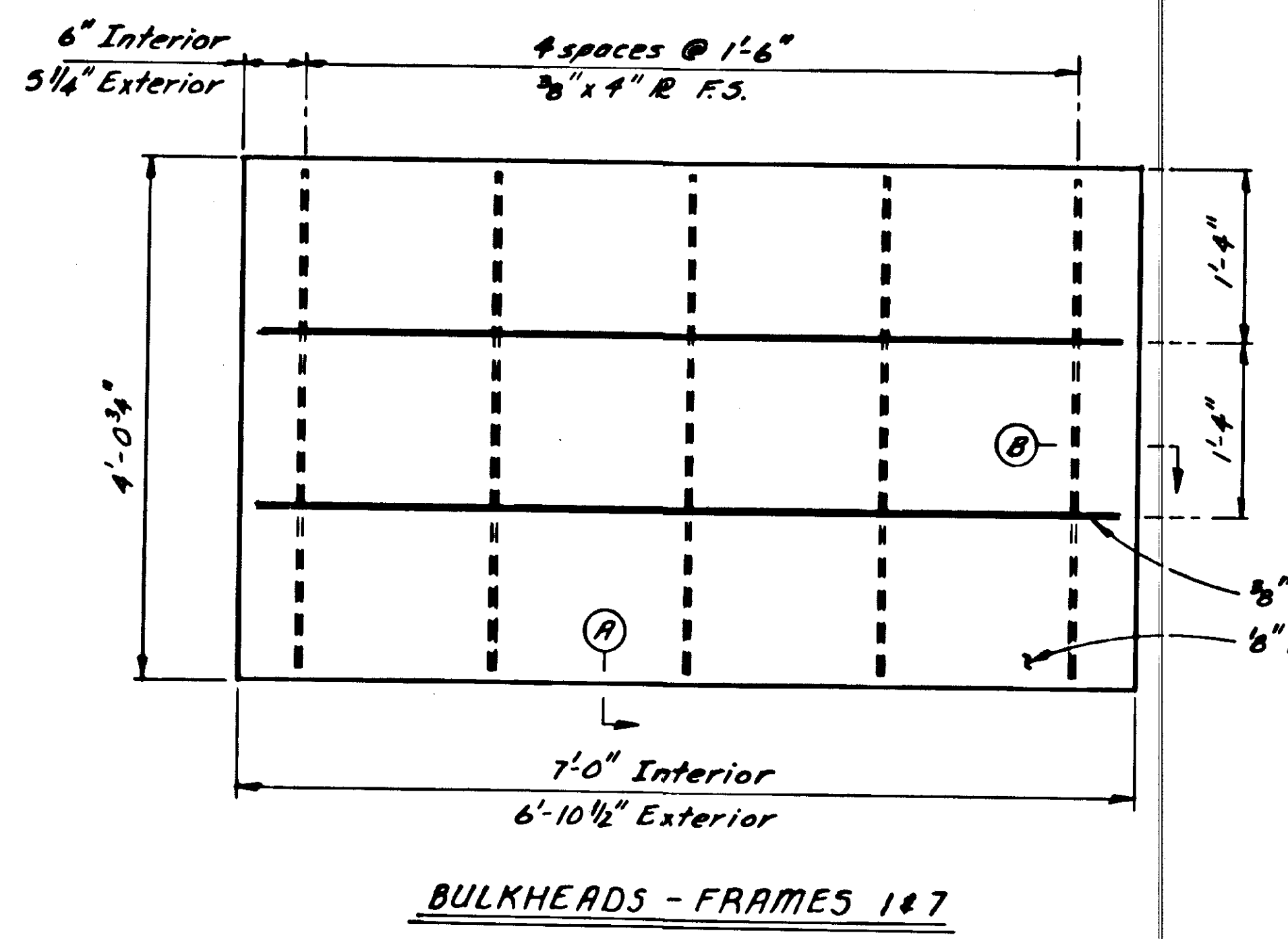
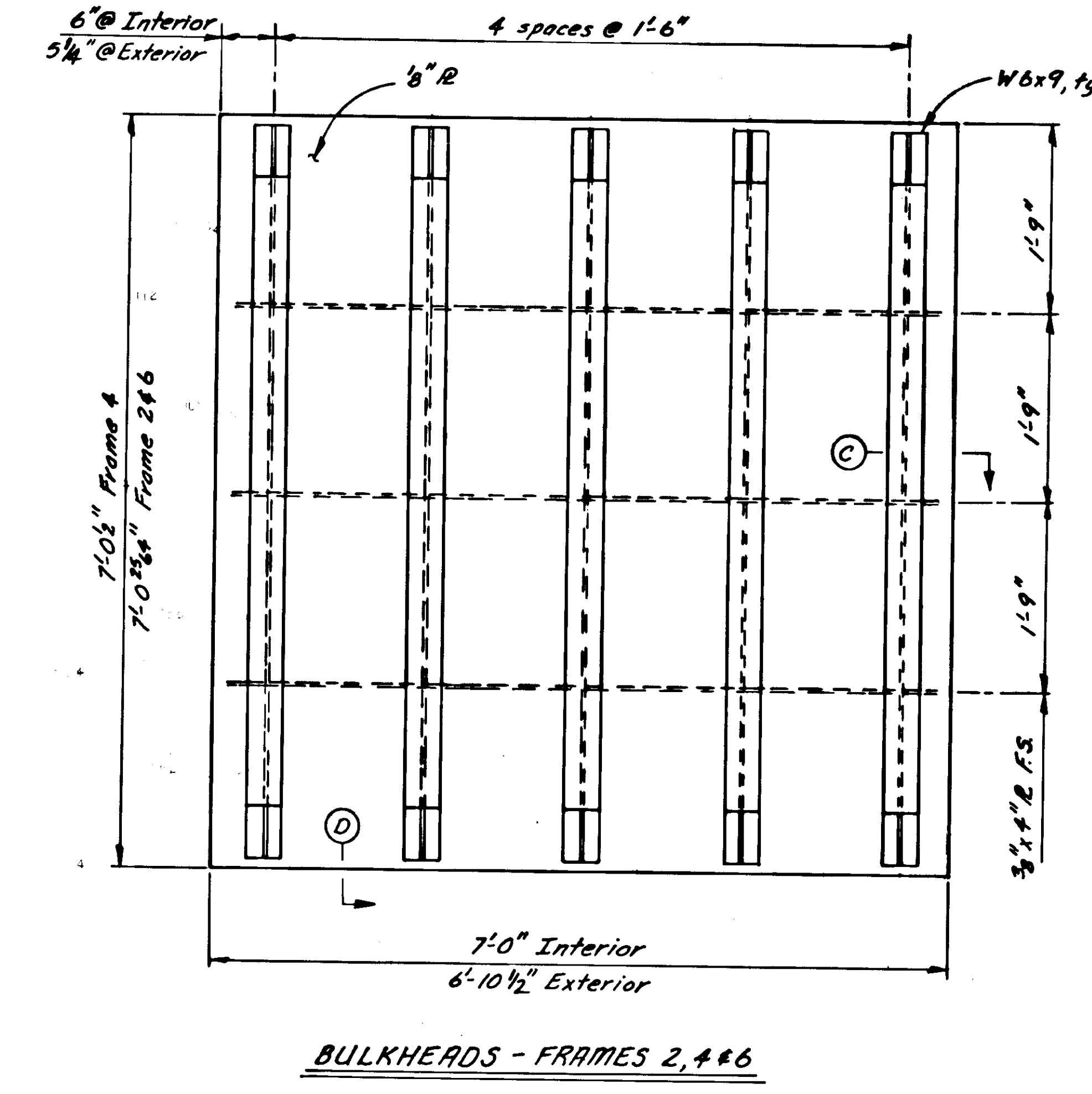
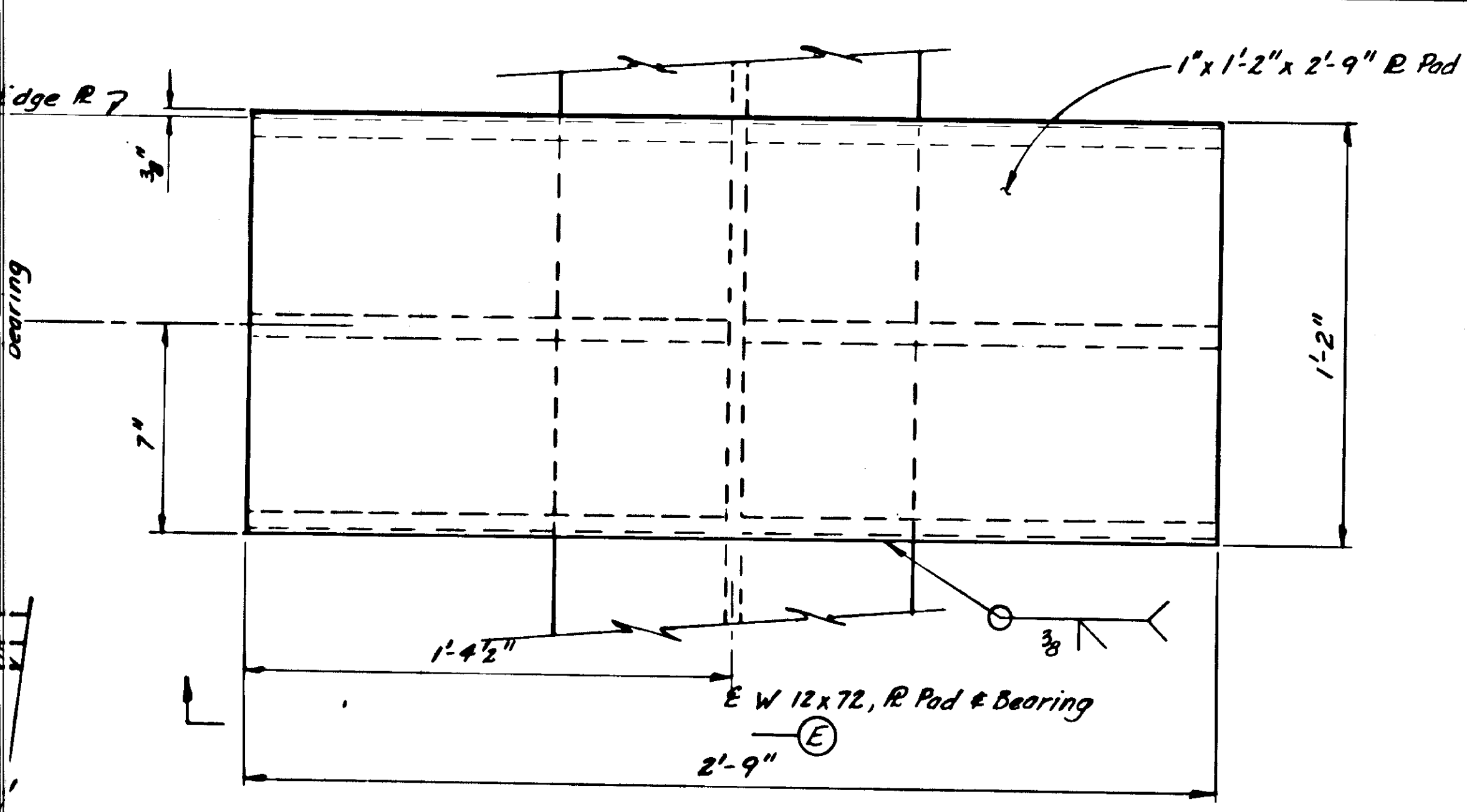
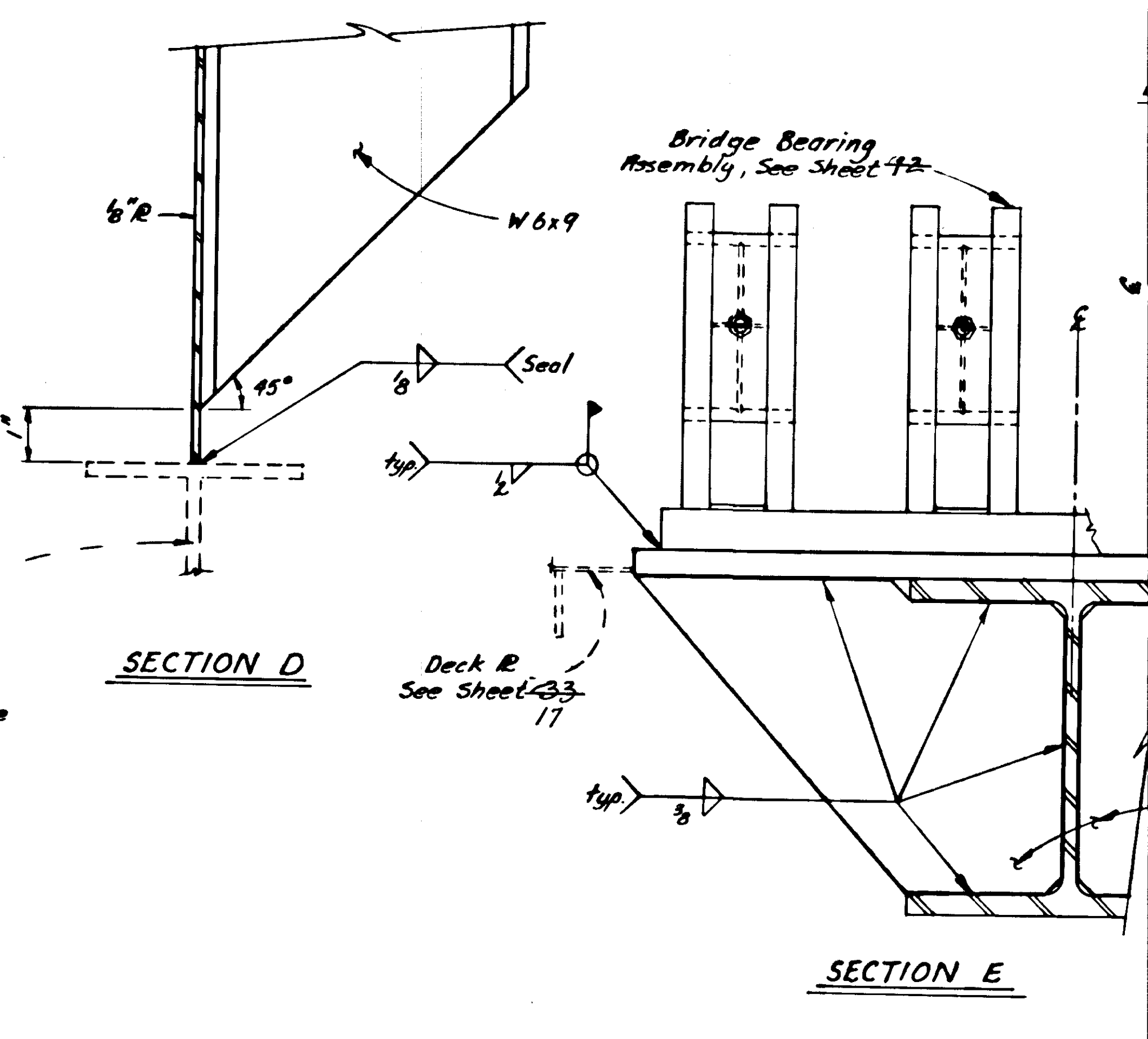
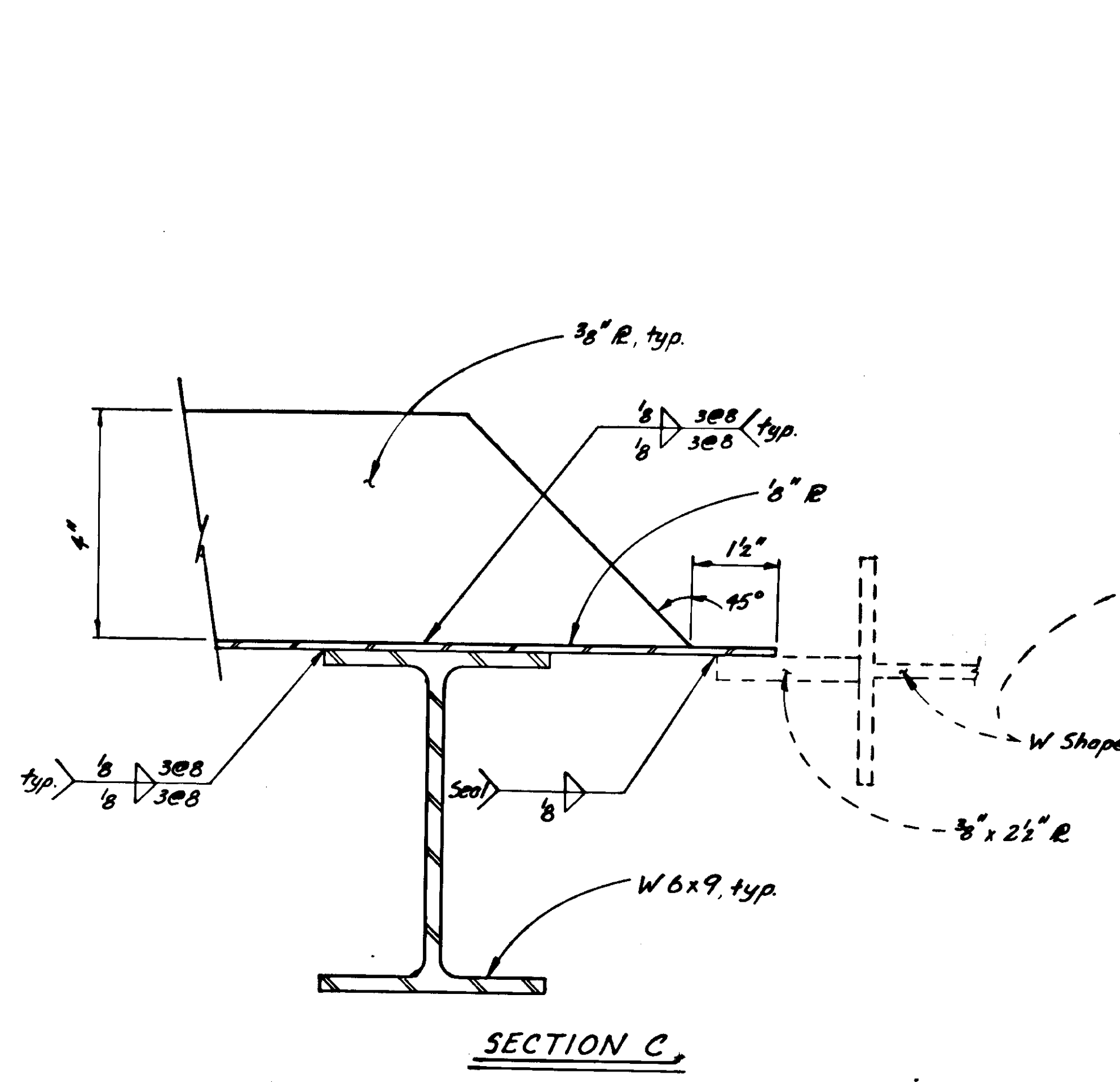
SECTION B
(From Sheet 25)

SECTION H

* Note: Size and type of weld to accommodate seal. On exterior, grind flush to insure proper fit up of hull panels and still maintain watertightness.

PROJECT NO. STP-093-3(7) / 75265
AS-BUILT INFO. SHEET 11 OF 39

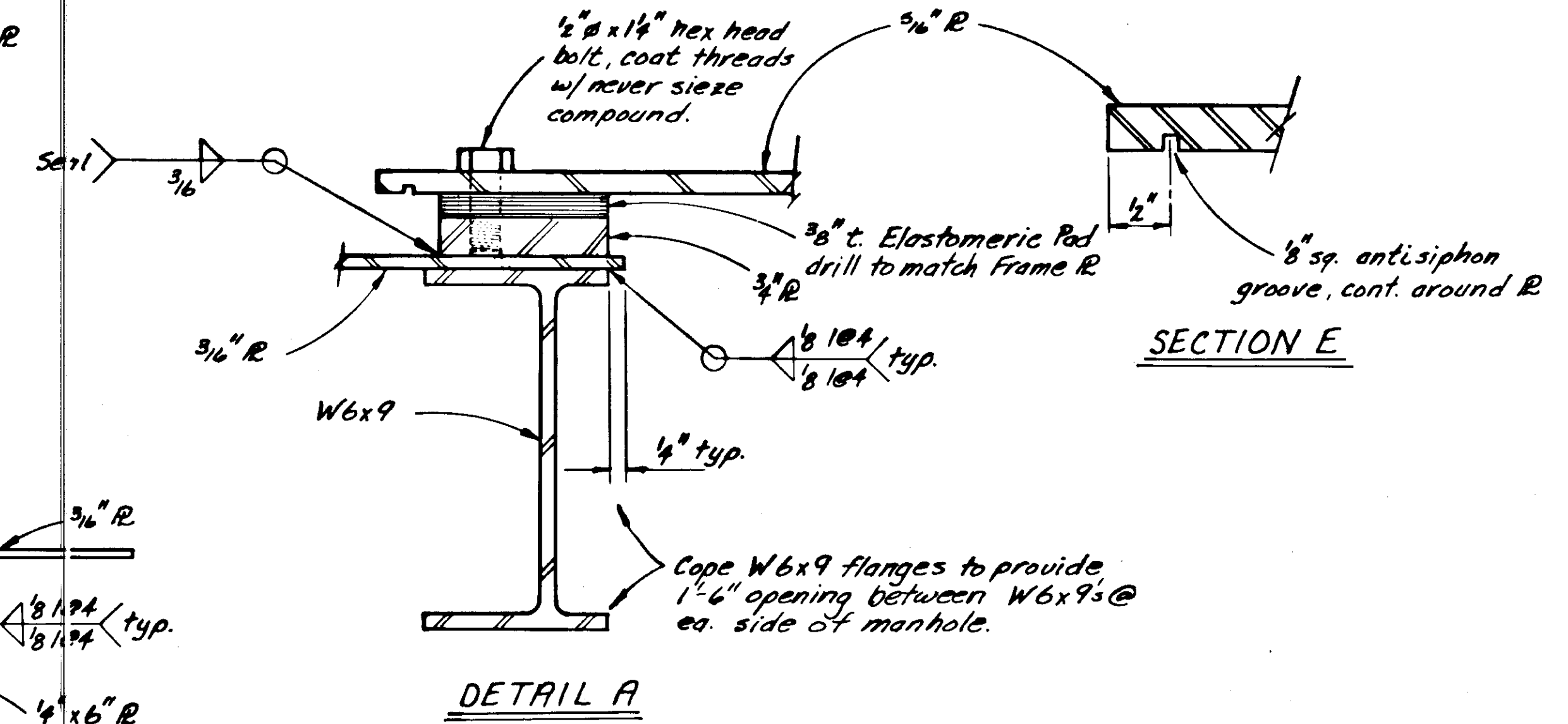
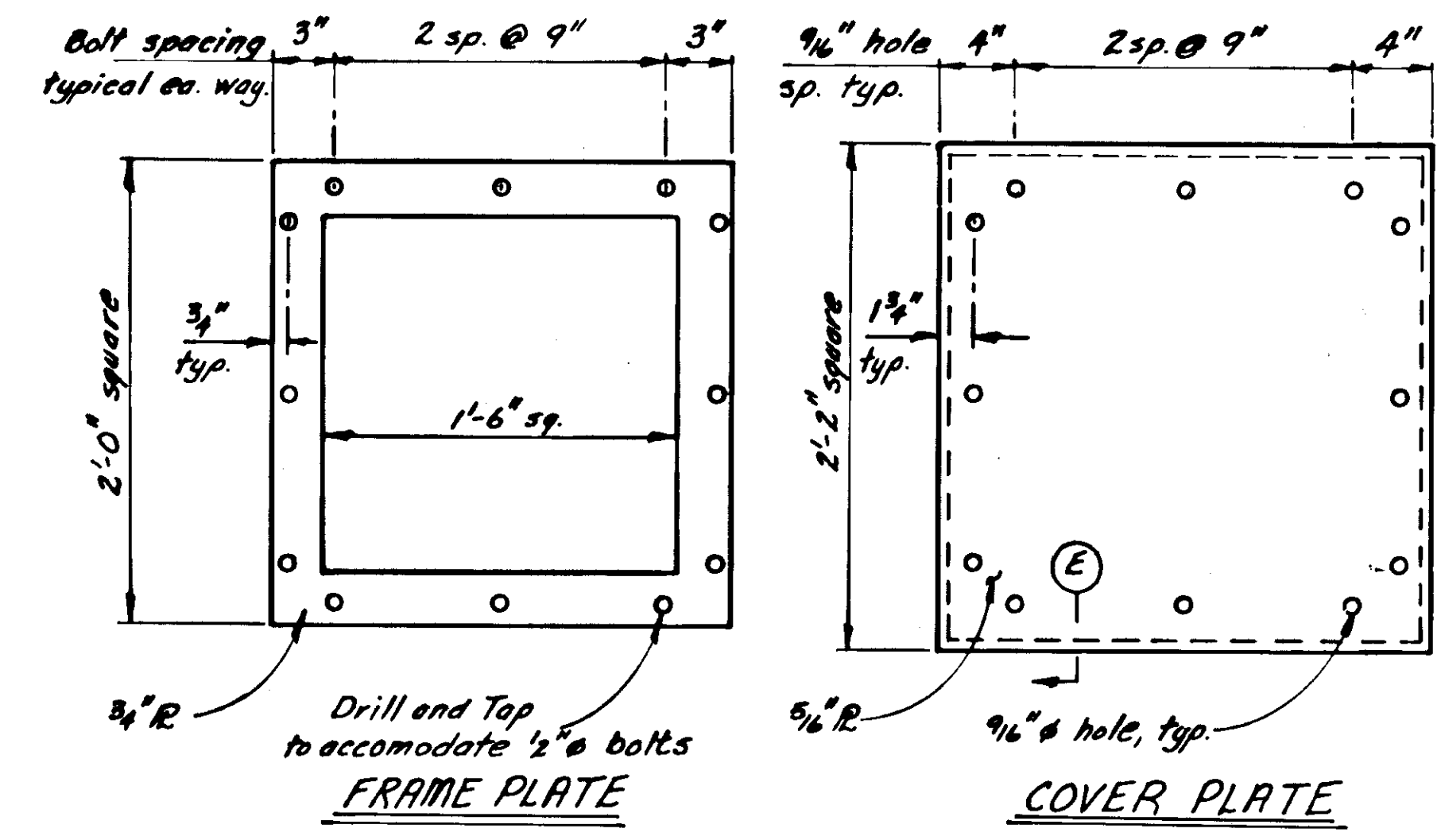
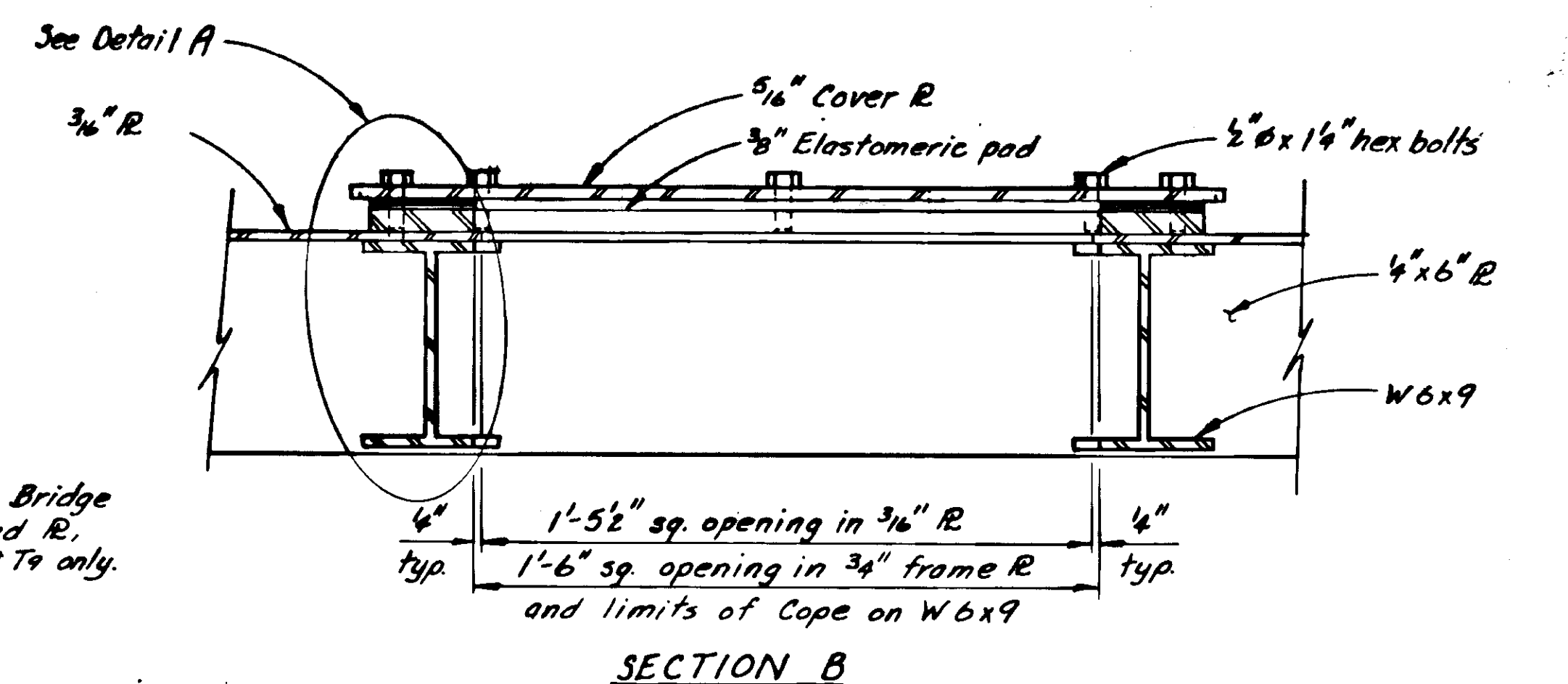
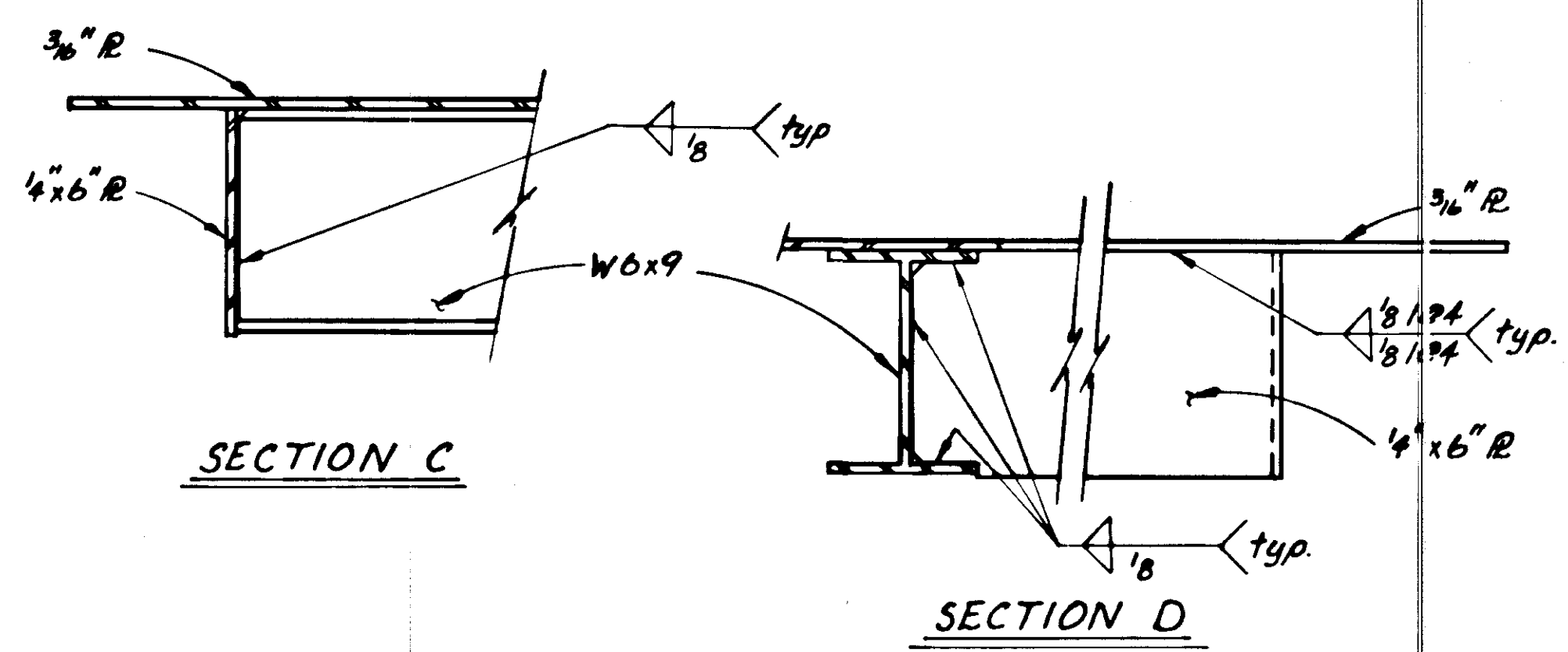
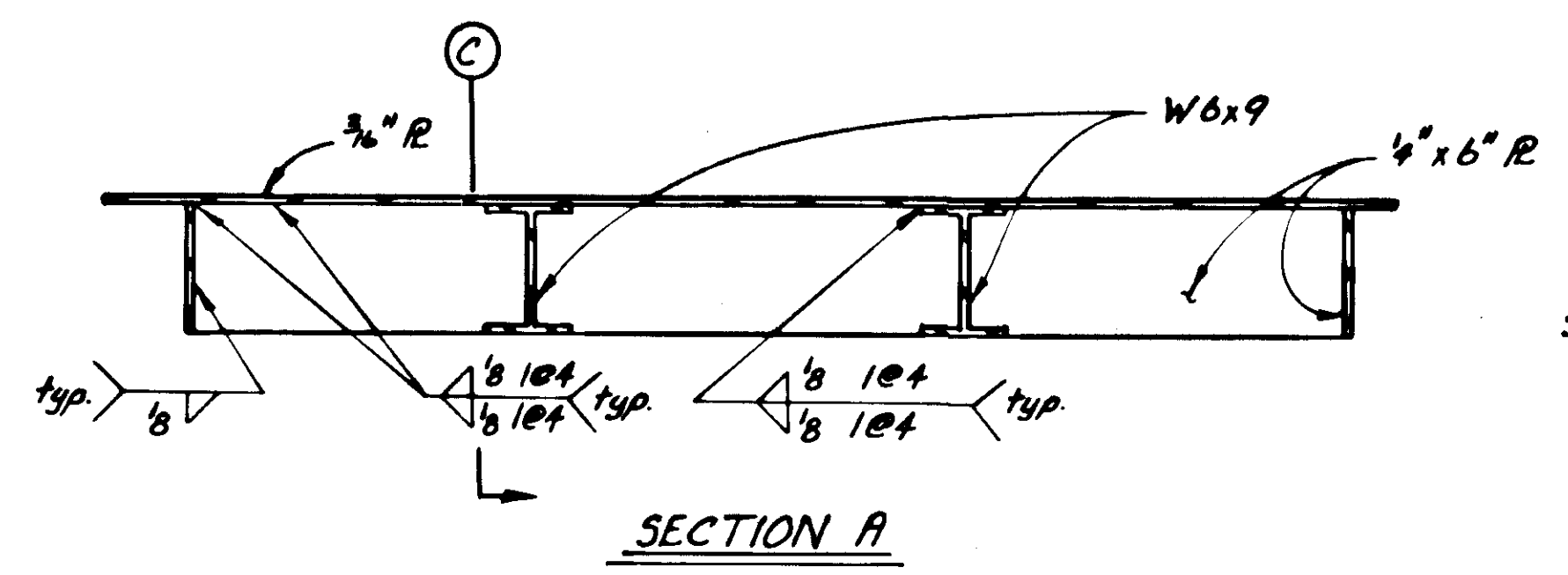
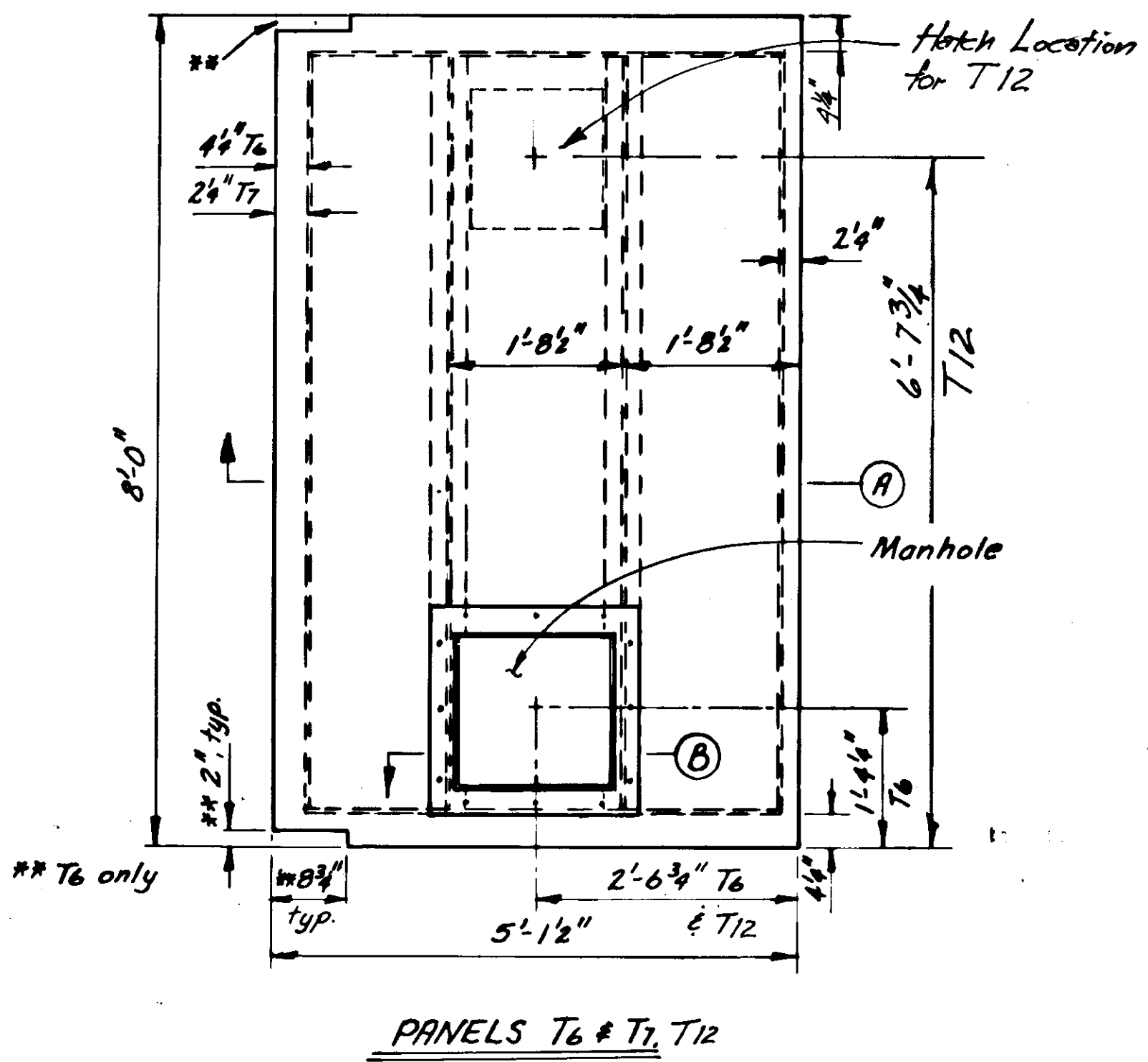
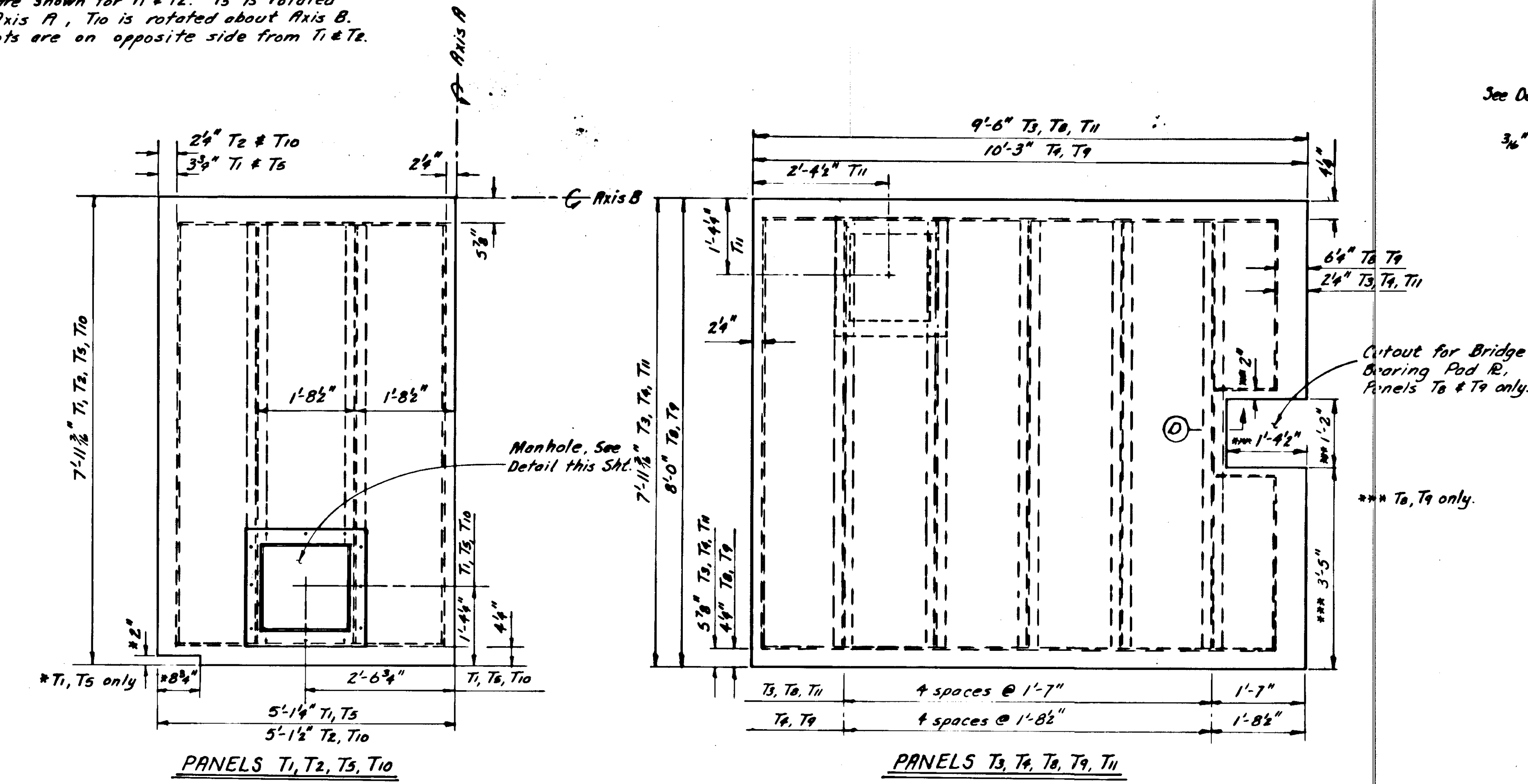
STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA	
		DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
Auke Bay		Alaska	
DETAILS FRAMES 2, 4 & 6			
DESIGNED JAL	CHECKED JS	DRAWN JAL	DATE 5-83
PROJECT NUMBER F-095-4(16)		SHEET 27 OF 57	



PROJECT NO. STP-093-3(7) / 75265
AS-BUILT INFO. SHEET 13 OF 39

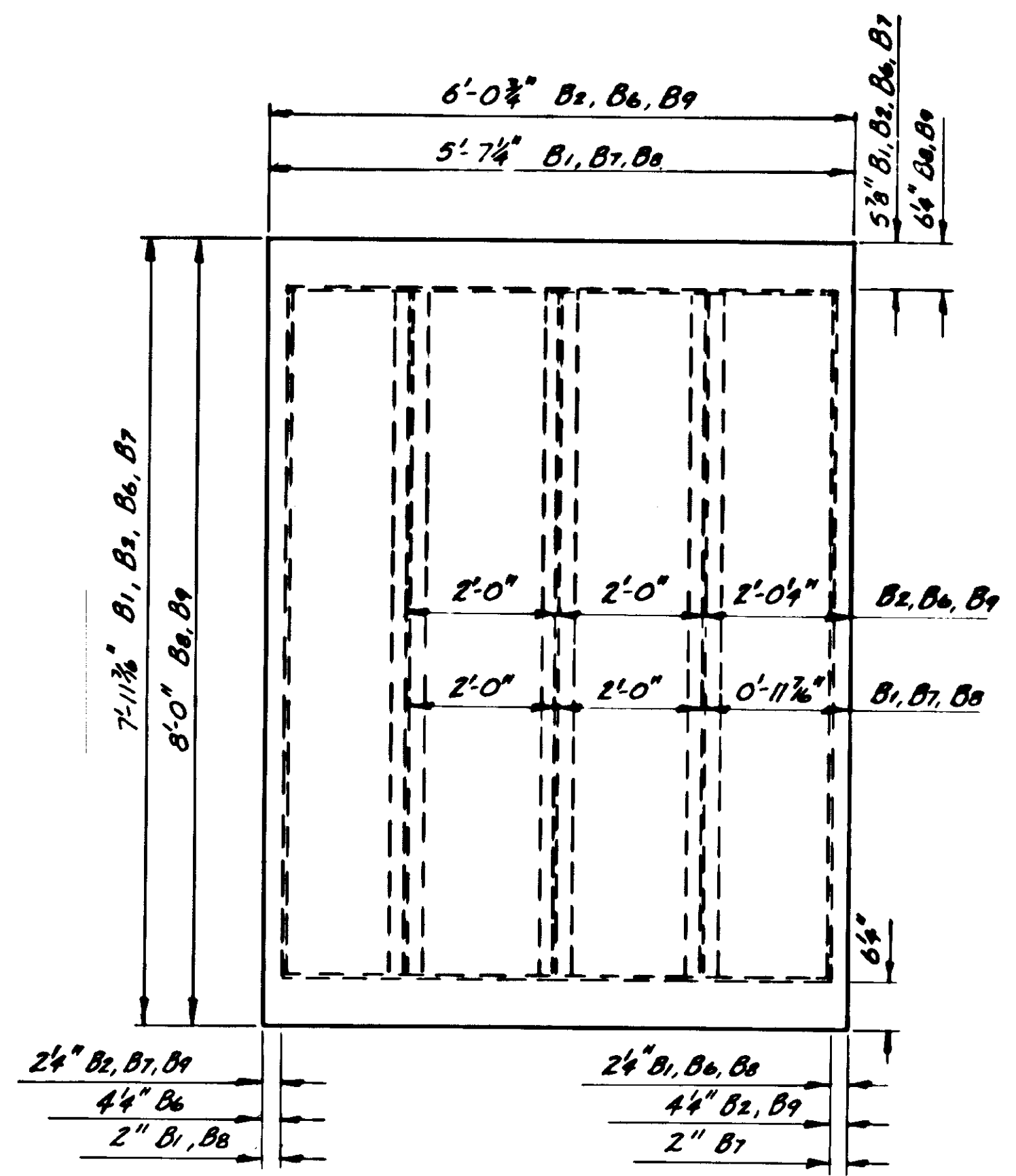
	DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
	Auke Bay, Alaska WATERTIGHT BULKHEADS & BRIDGE BEARING DETAILS			
	DESIGNED JAL	CHECKED JS	DRAWN JS	DATE 5-88
PROJECT NUMBER F-095-4 (16)	SHEET 29 OF 57			

Note: Details are shown for T1 & T2. T5 is rotated about Axis A, T10 is rotated about Axis B. Weldments are on opposite side from T1 & T2.

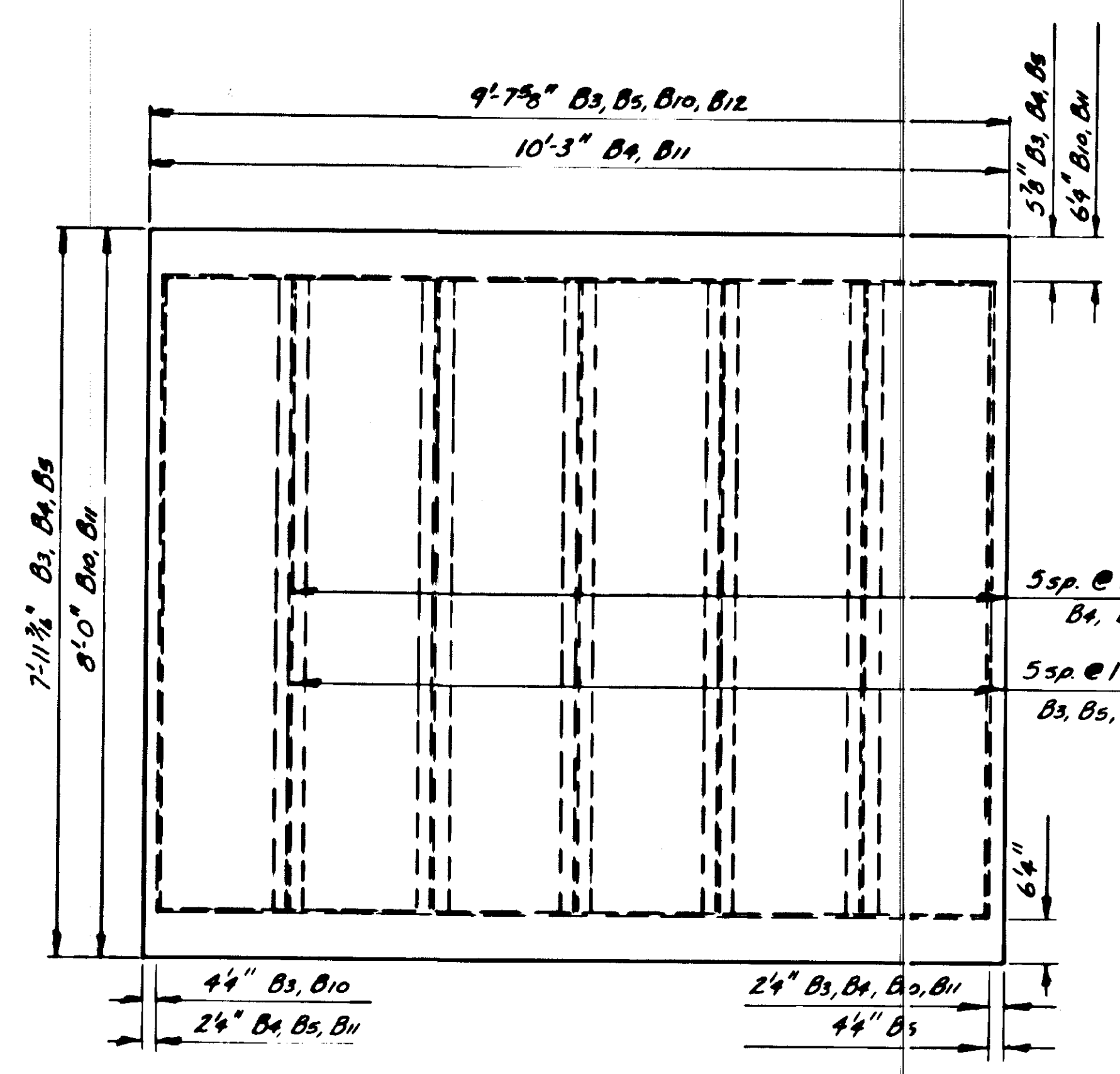


PROJECT NO. STP-093-3(7) / 75265
AS-BUILT INFO. SHEET 14 OF 39

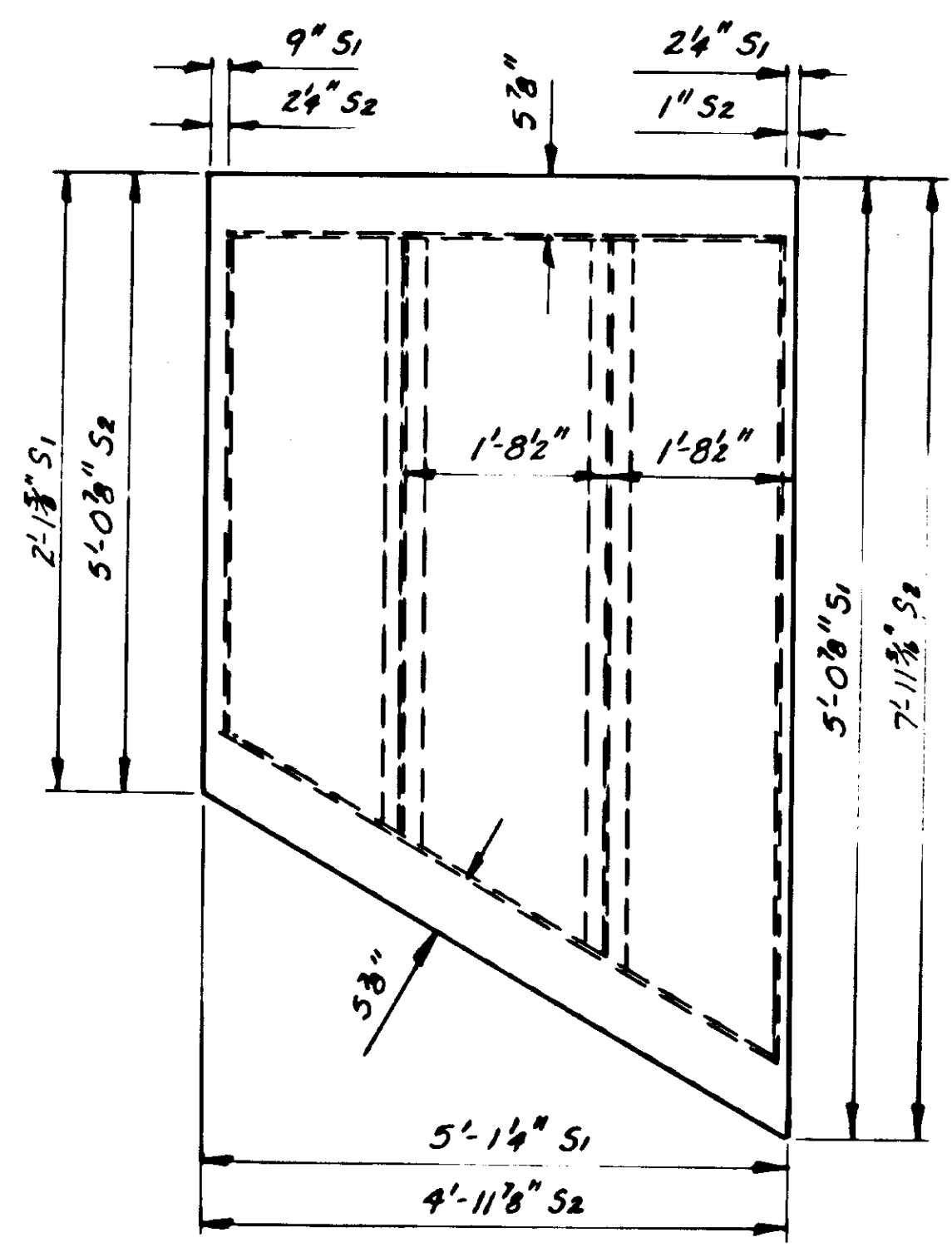
	DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
	STATE OF ALASKA			
	DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
	Anchorage		Alaska	
PANELS T1 - T12				
AND MANHOLE DETAILS				
DESIGNED JBL	CHECKED JS	DRAWN JRL/JS	DATE 5-88	
PROJECT NUMBER F-095-A(14)	SHEET 30		OF 57	



PANELS B1, B2, B6, B7, B8, B9

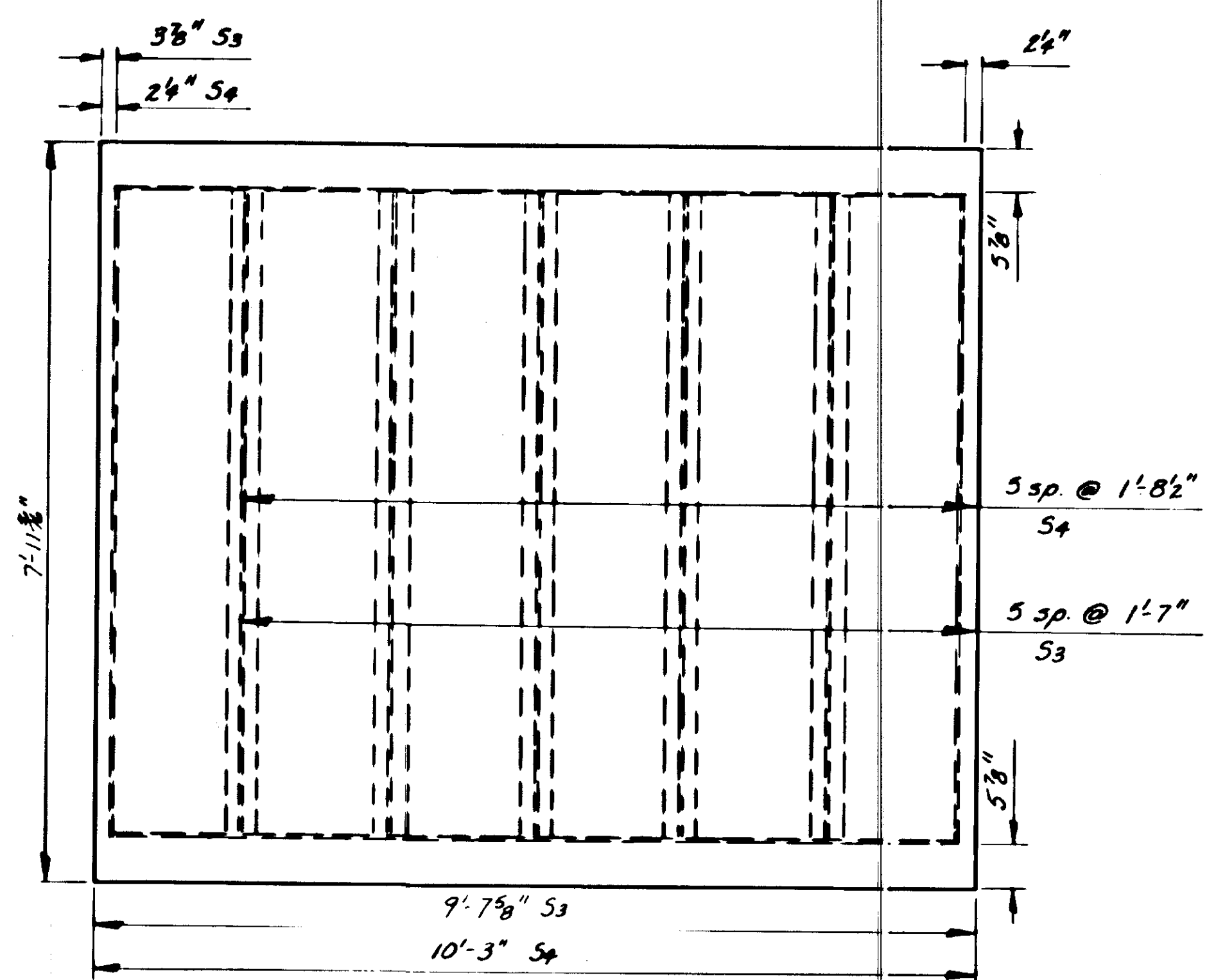


PANELS B3, B4, B5, B10, B11



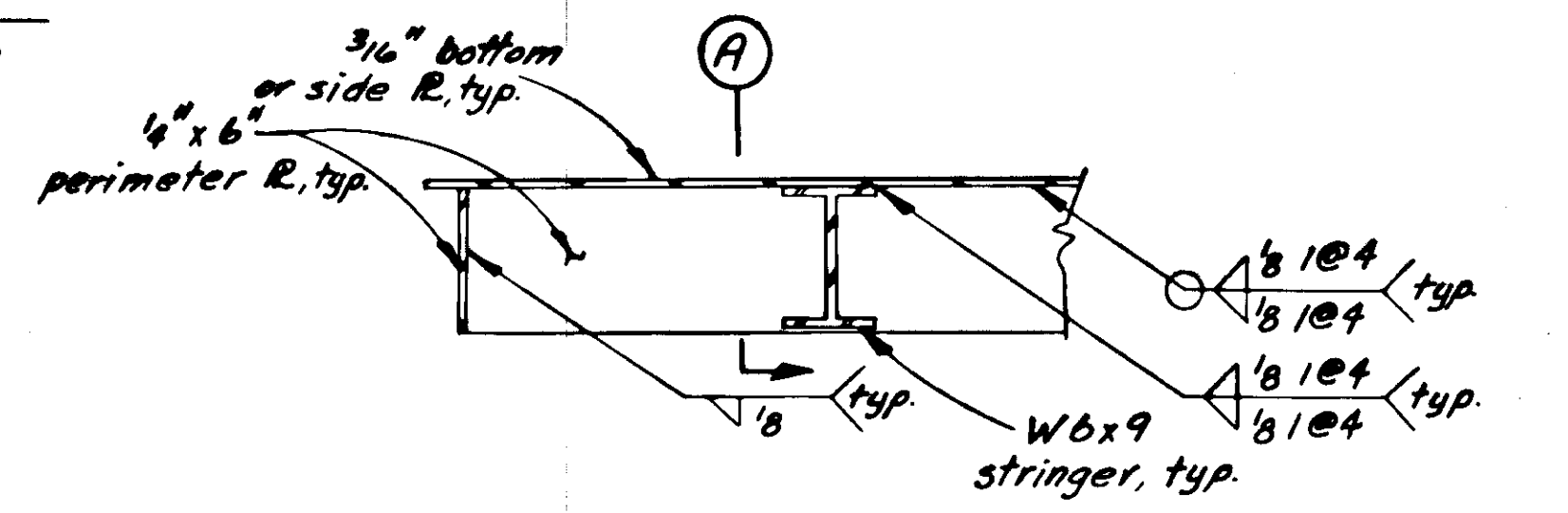
PANELS S1, S2

Note: S1 & S2, 2 req'd. ea. type as shown, 2 req'd. ea. type w/ weldments on near side.

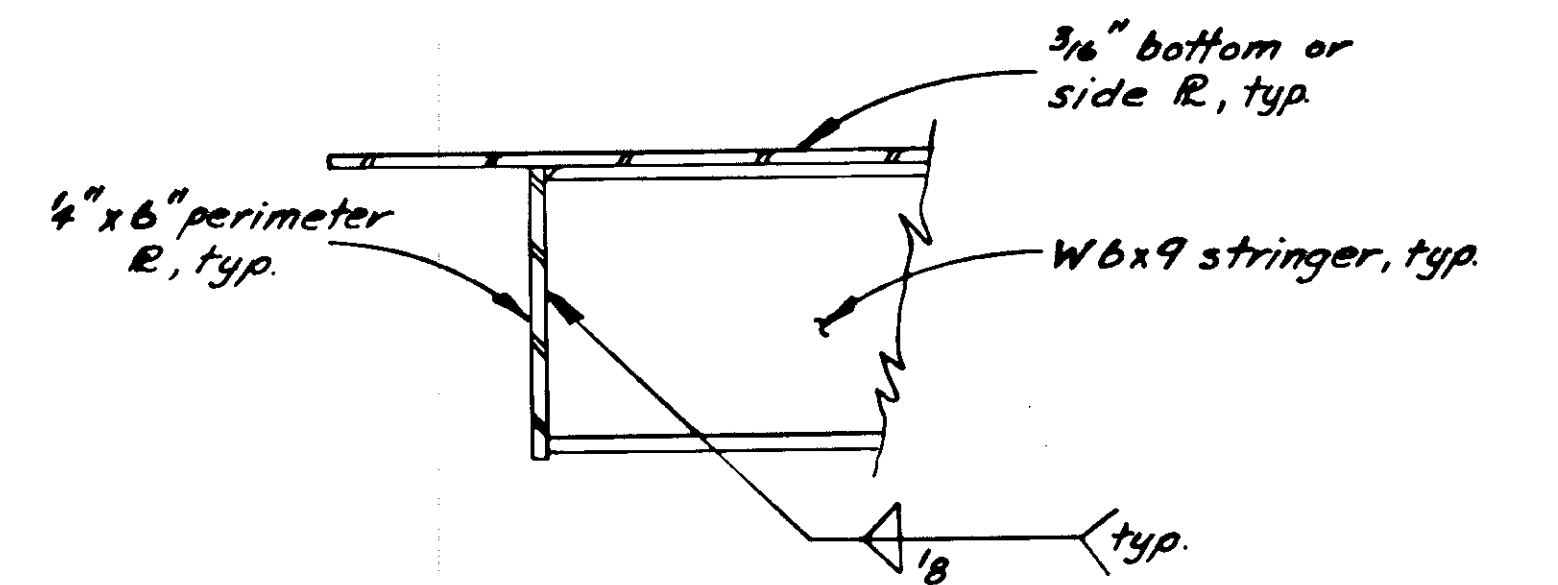


PANELS S3, S4

Note: S3 & S4, 2 req'd. ea. type as shown, 2 req'd. ea. type w/ weldments on near side.

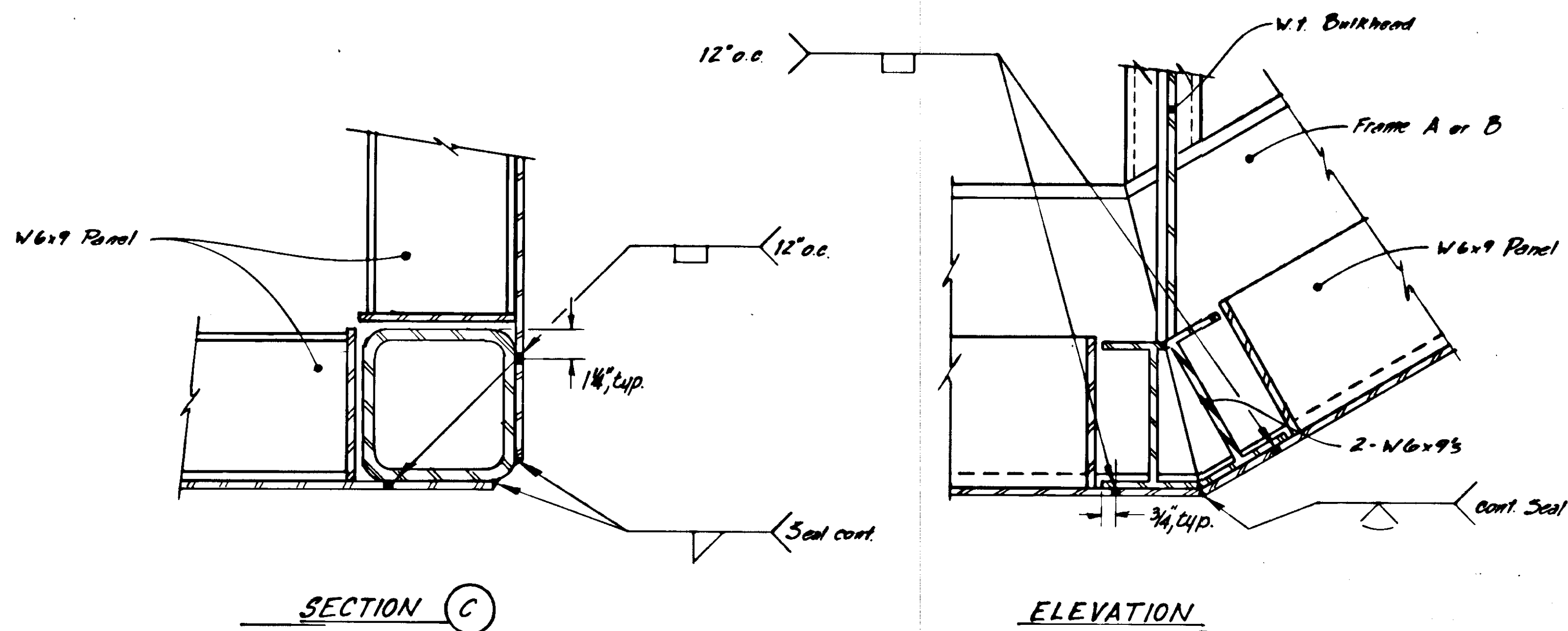
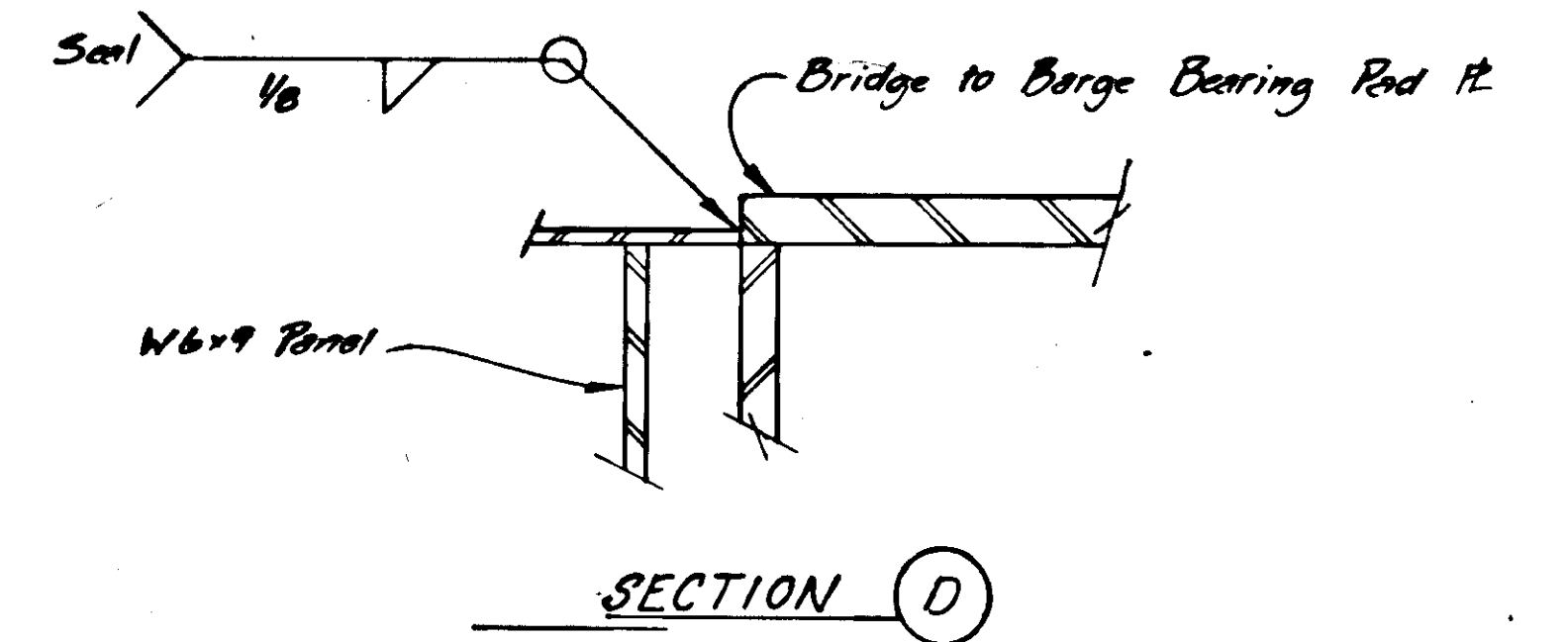
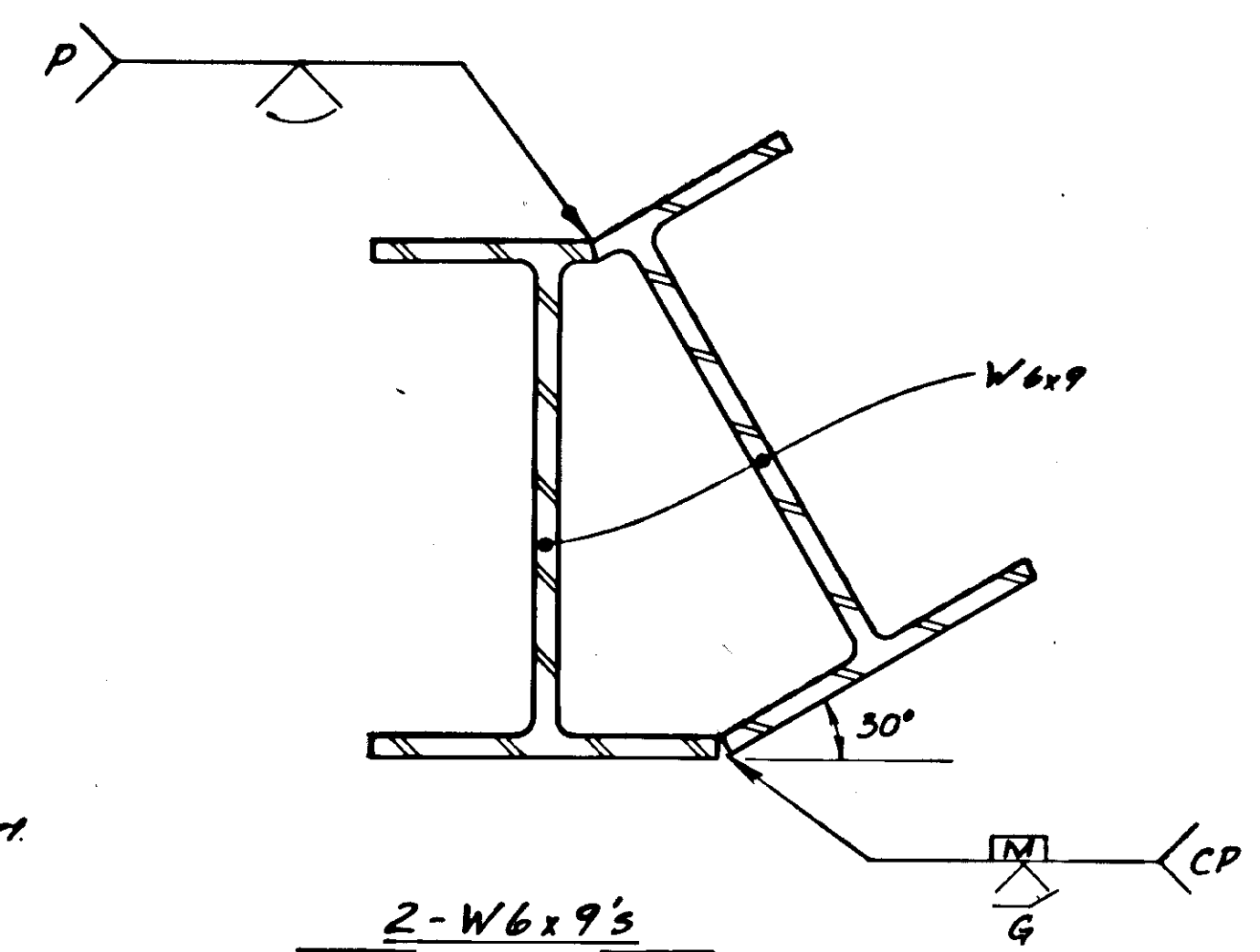
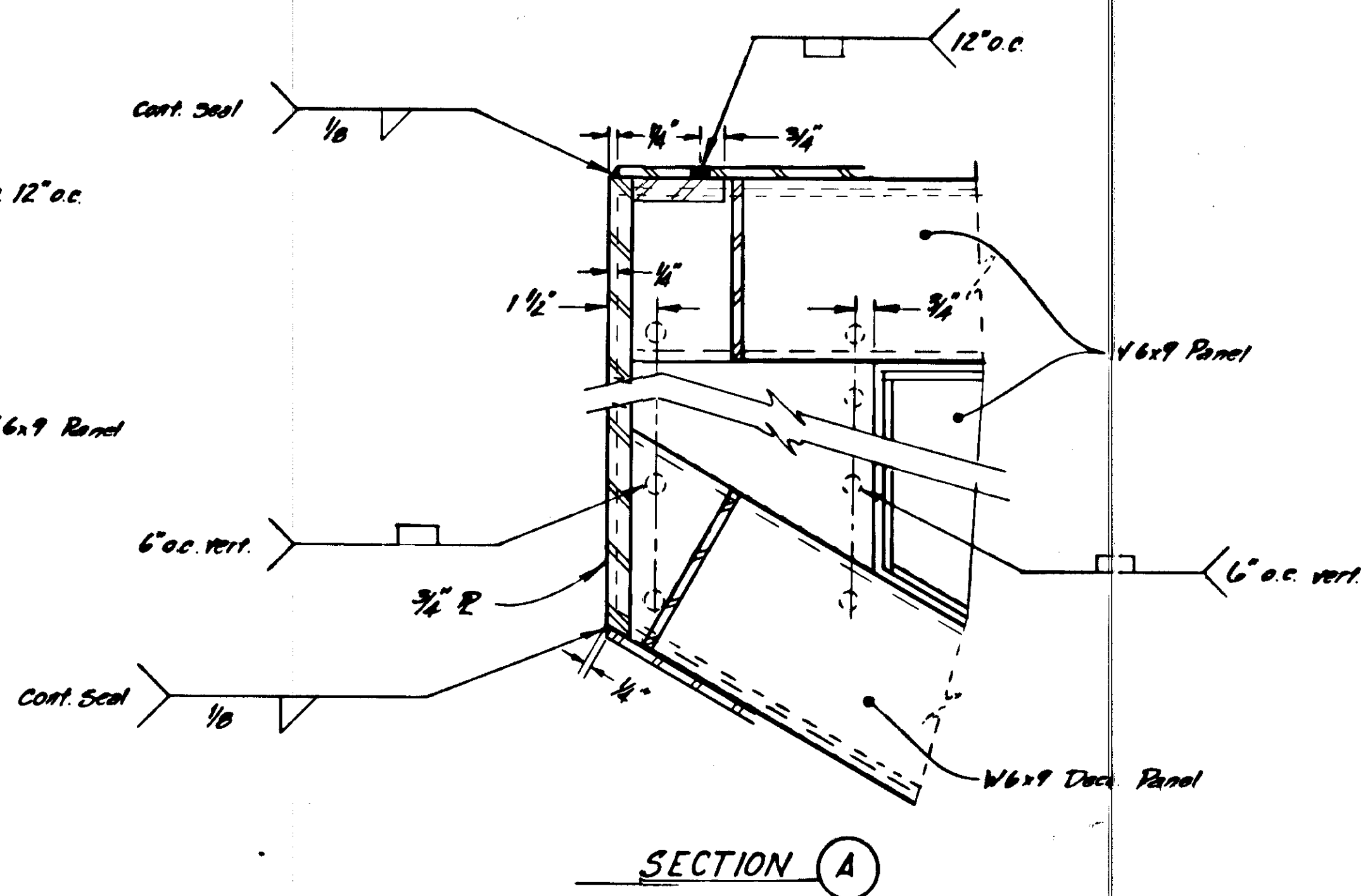
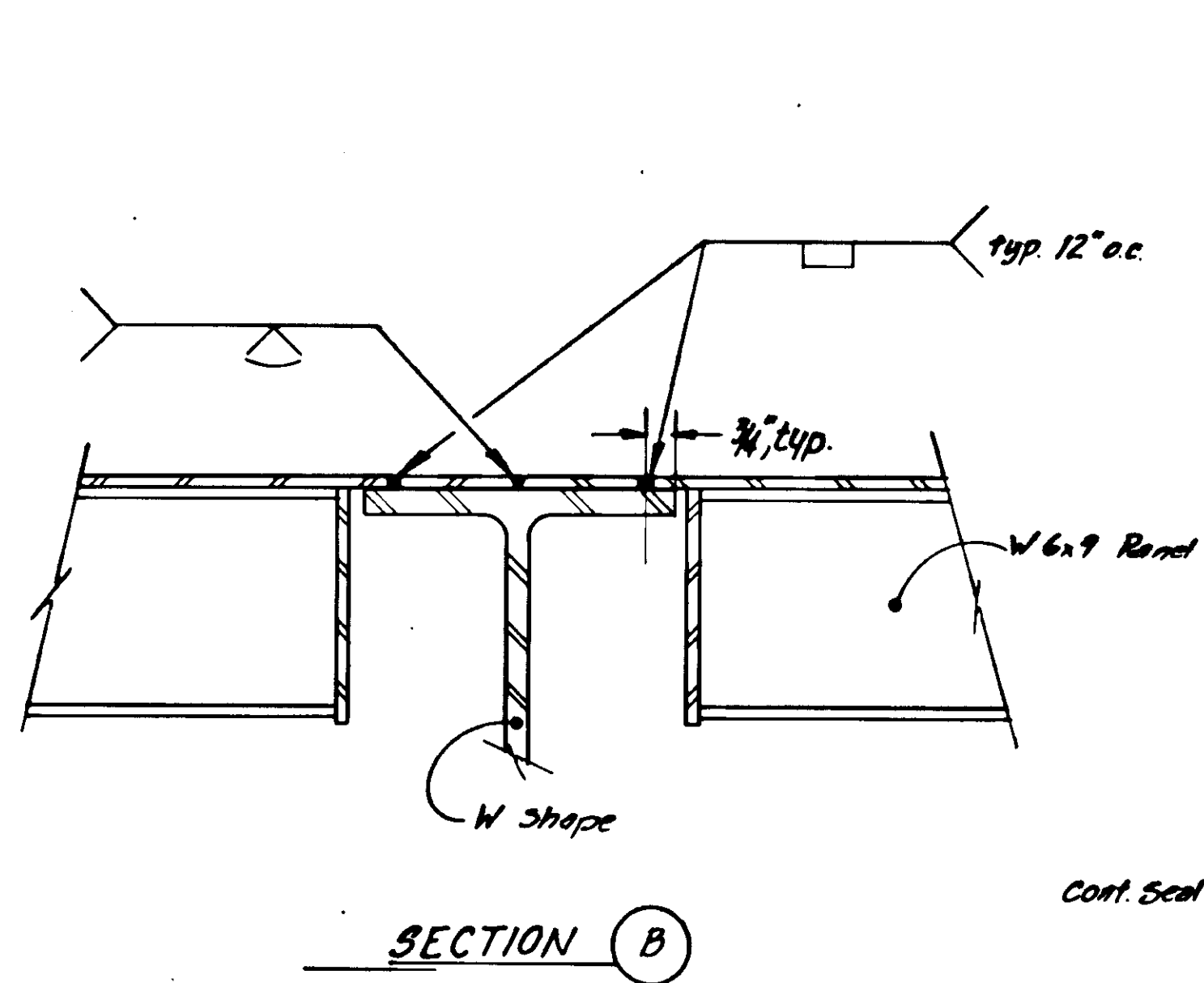


TYPICAL PARTIAL SECTION



SECTION A

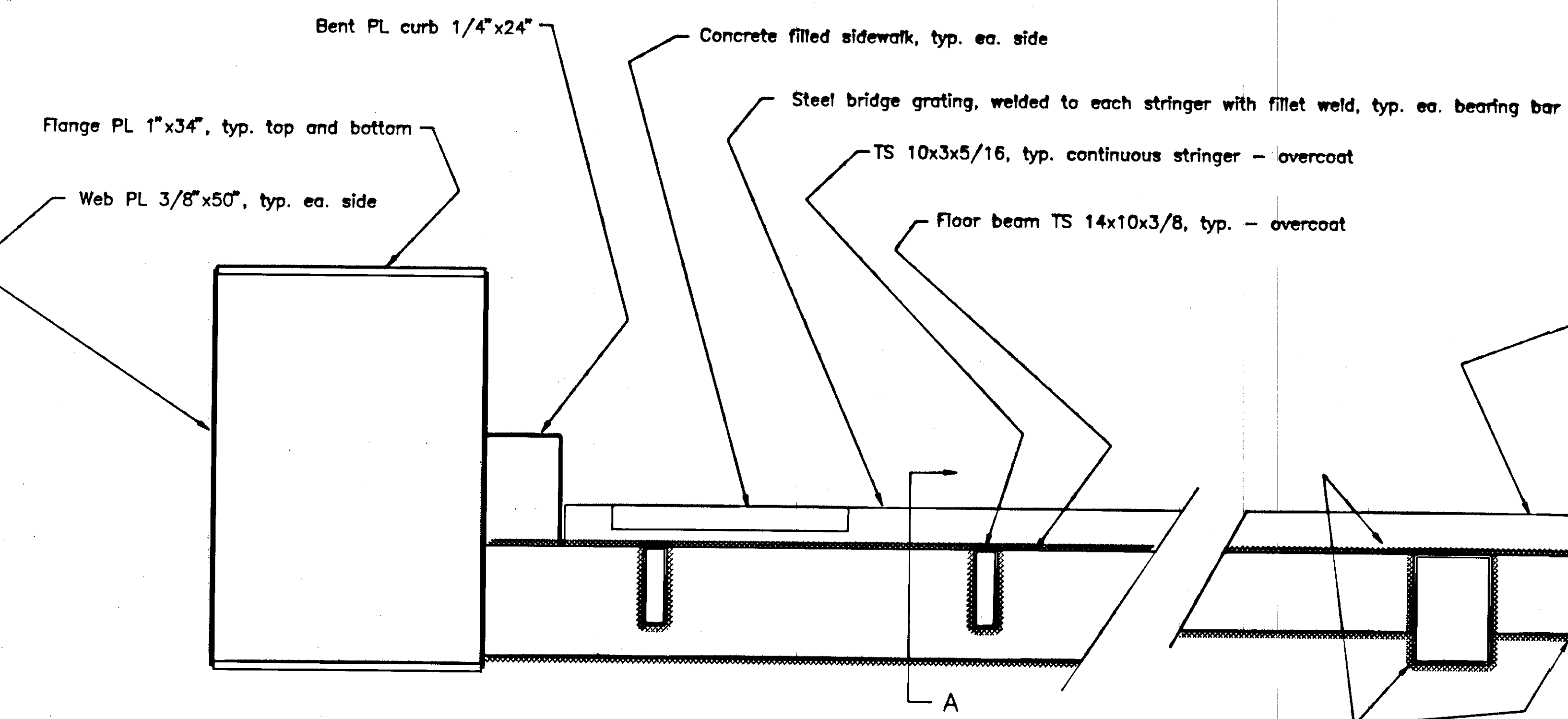
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		STATE OF ALASKA	
		DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
Auke Bay		Alaska	
PANELS B1-B11 & S1-S4			
DESIGNED <u>JAL</u>	CHECKED <u>JS</u>	DRAWN <u>JAL</u>	DATE <u>5-88</u>
PROJECT NUMBER <u>F-095-4(16)</u>		SHEET <u>31</u> OF <u>57</u>	



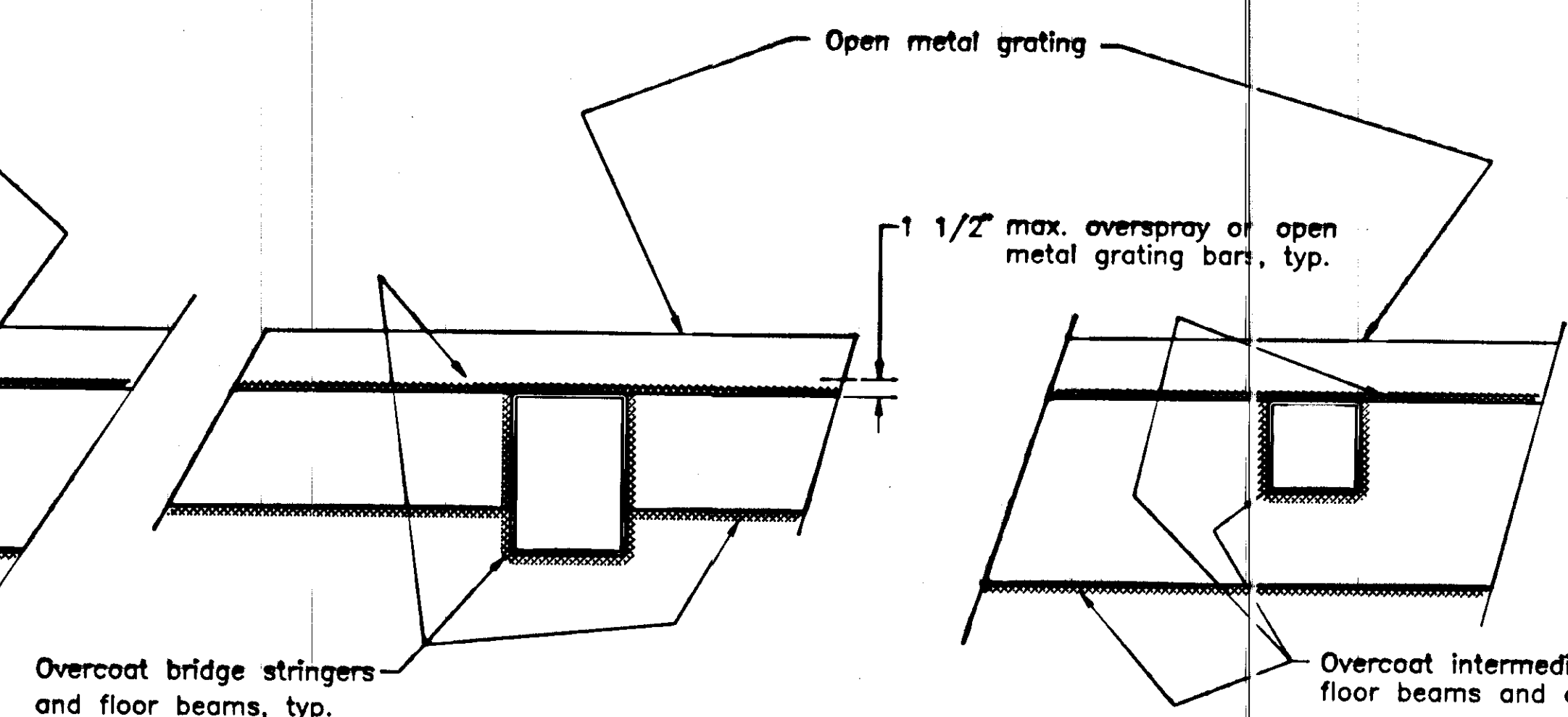
ELEVATION
BOTTOM PANEL CONN. @ MAIN FRAME A OR B

PROJECT NO. STP-393-3(7) / 75265
AS-BUILT INFO. SHEET 17 OF 39

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA	
		DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
Autie Bay		Alaska	
PANEL CONNECTION & MISC. DETAILS			
DESIGNED JAL	CHECKED JS	DRAWN JAL	DATE 5-88
PROJECT NUMBER F-095-4(16)	SHEET 33		OF 57

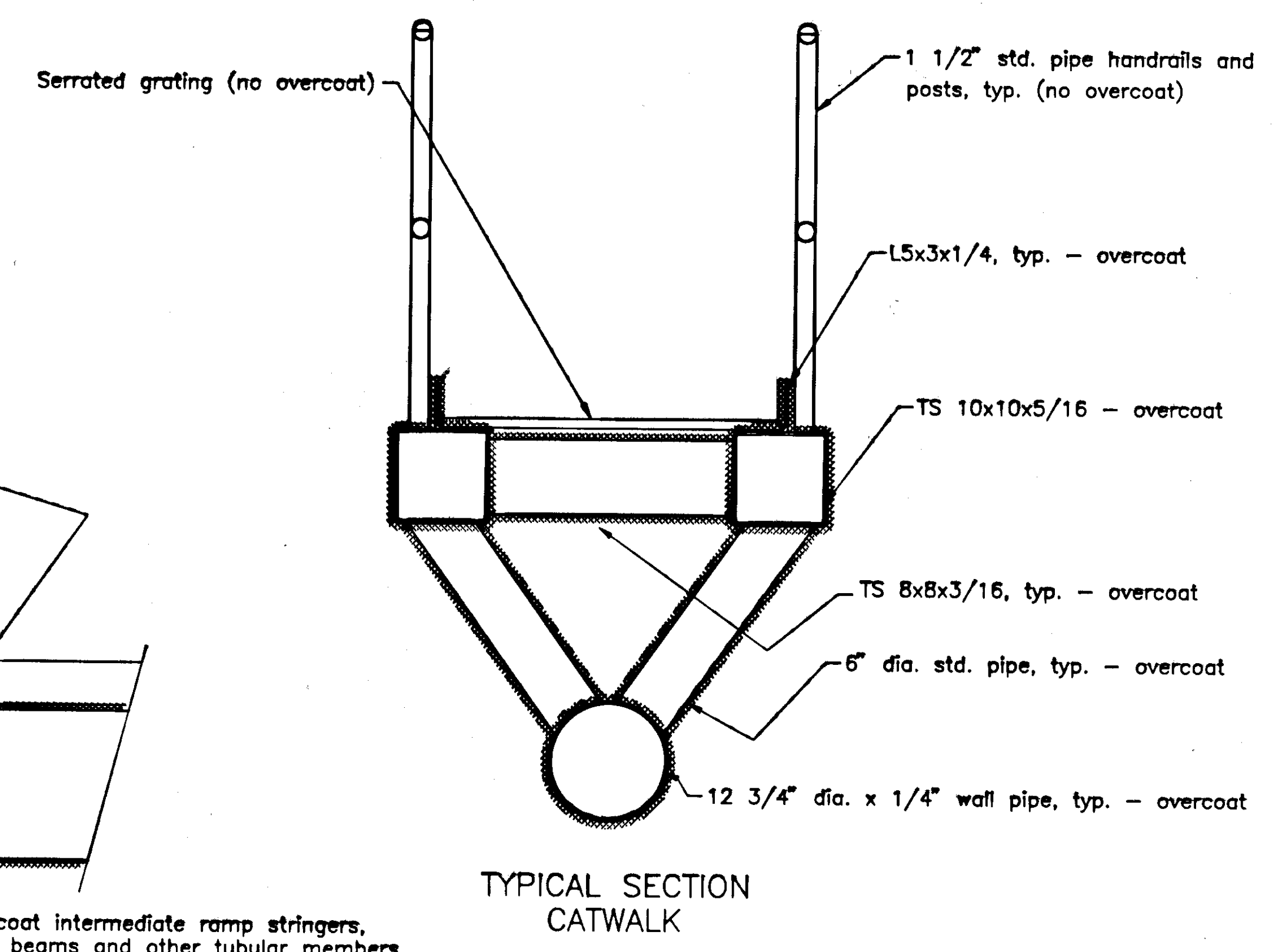


TYPICAL SECTION
MAIN BRIDGE

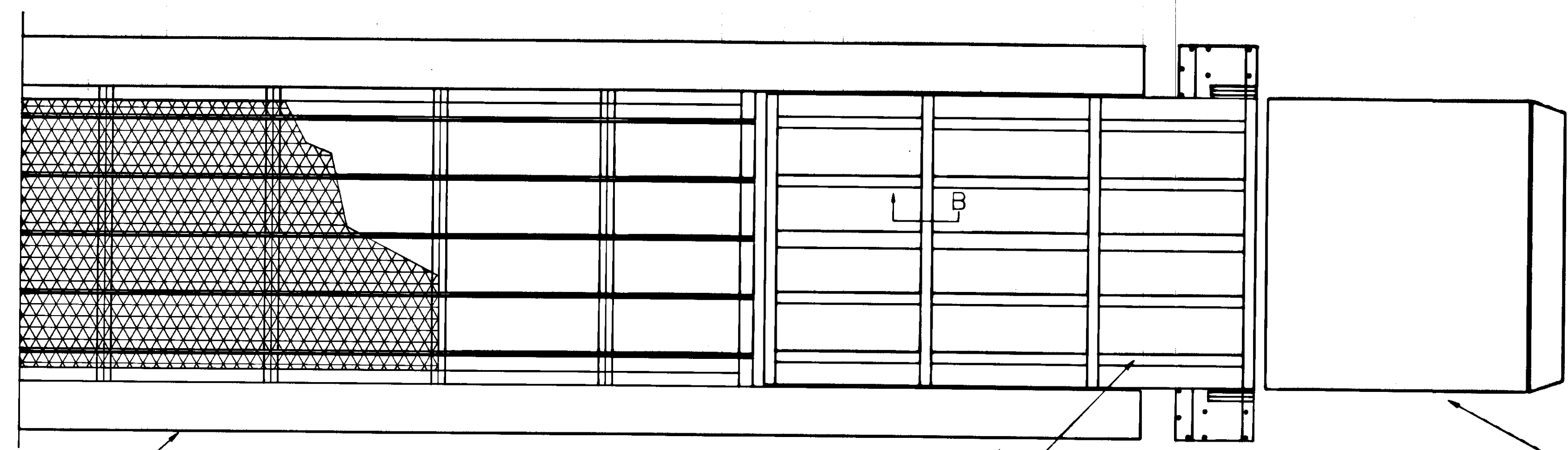


SECTION A
MAIN BRIDGE

SECTION B
INTERMEDIATE RAMP



TYPICAL SECTION
CATWALK

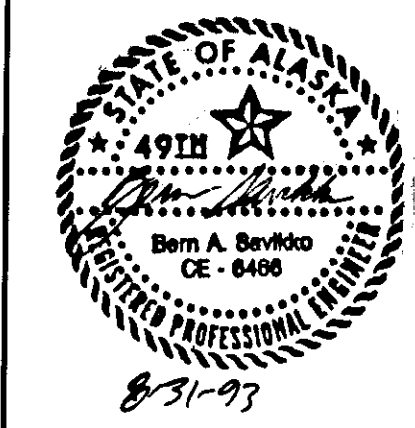


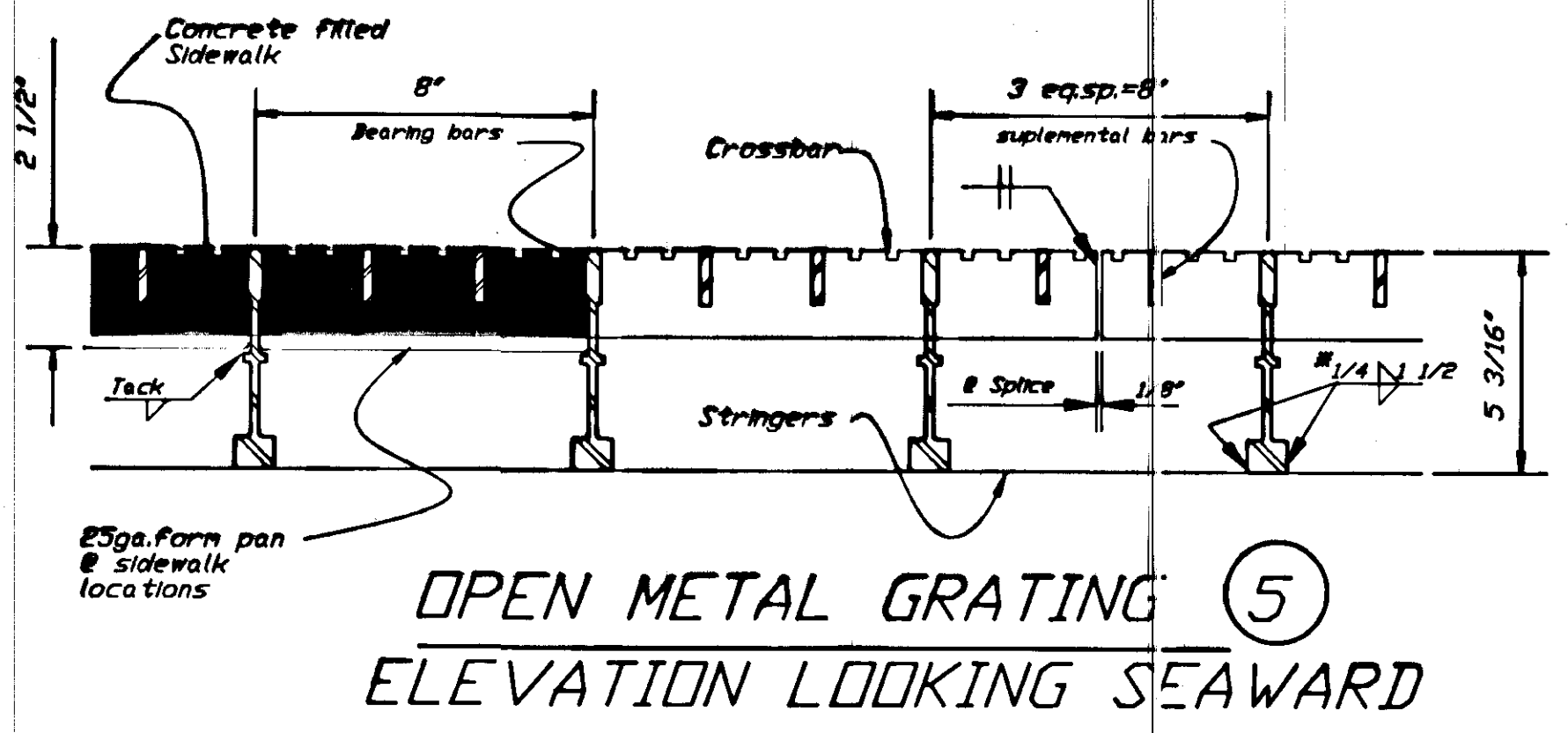
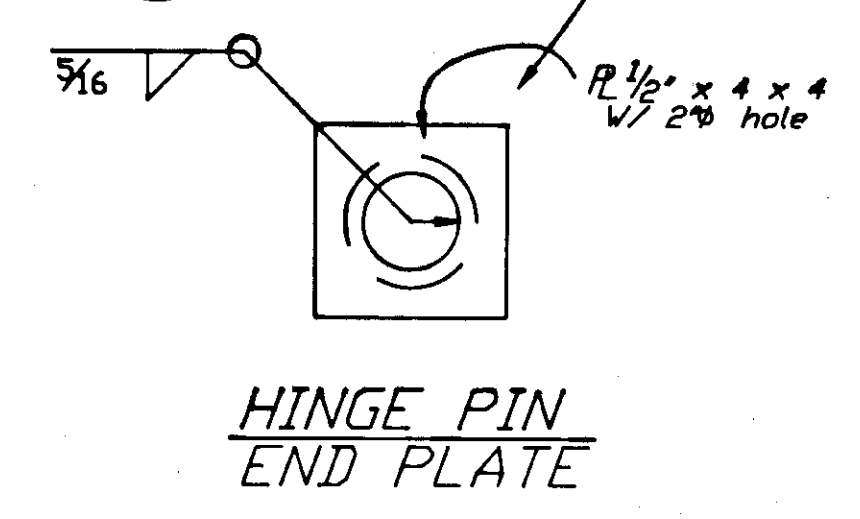
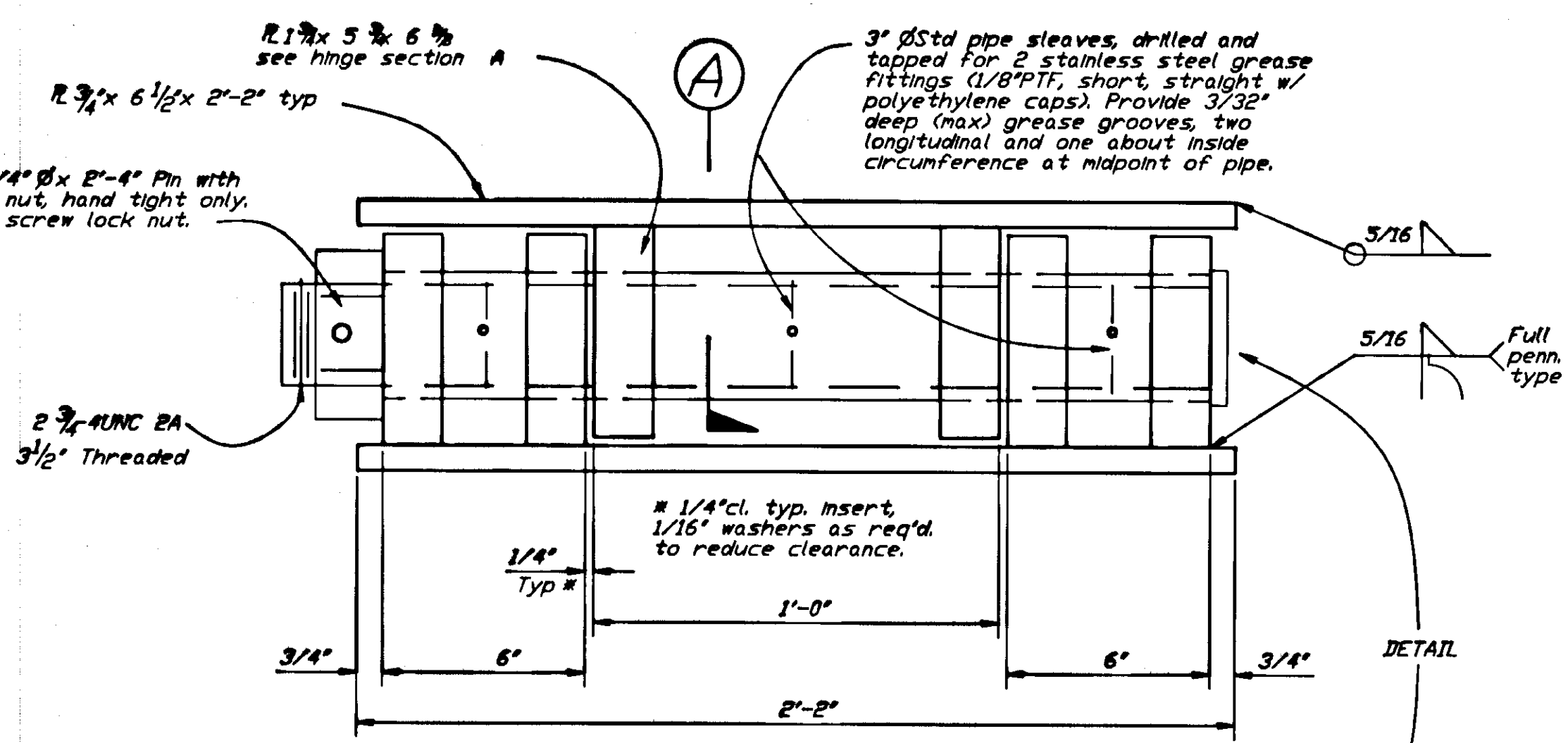
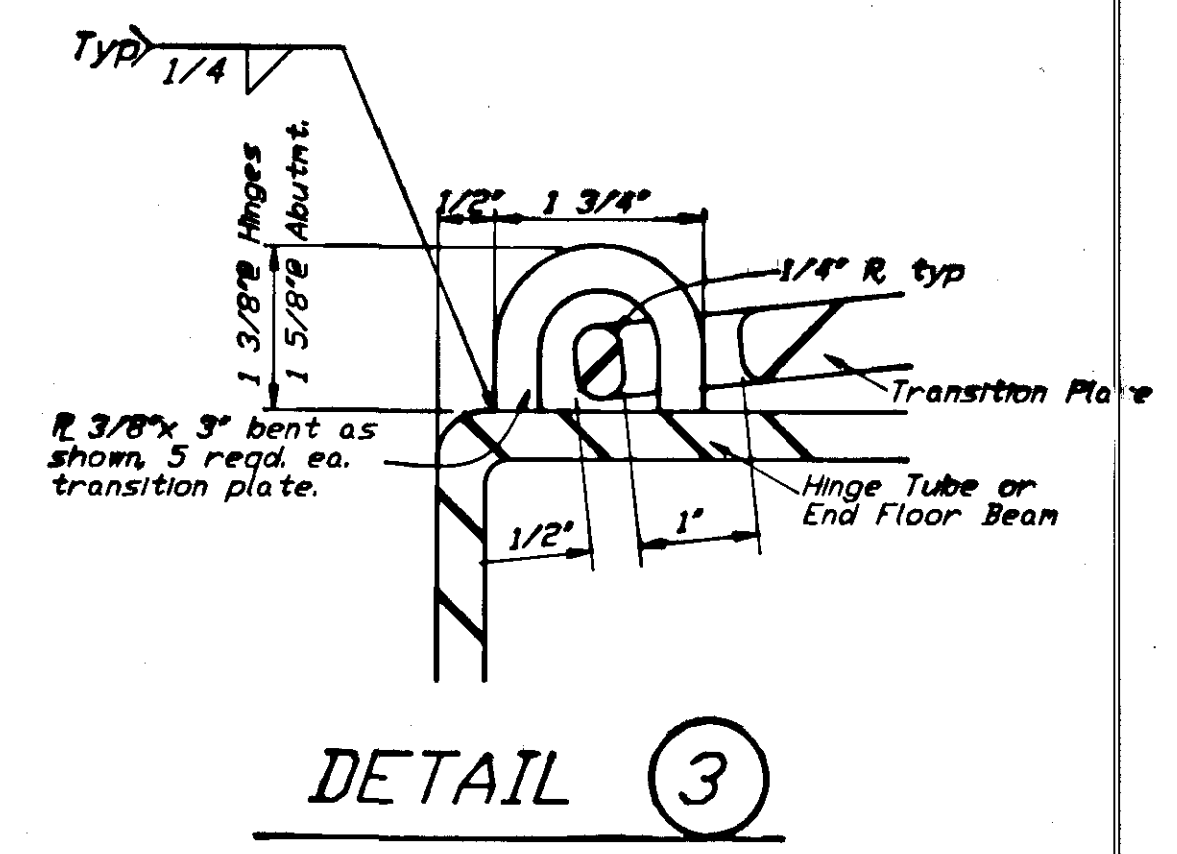
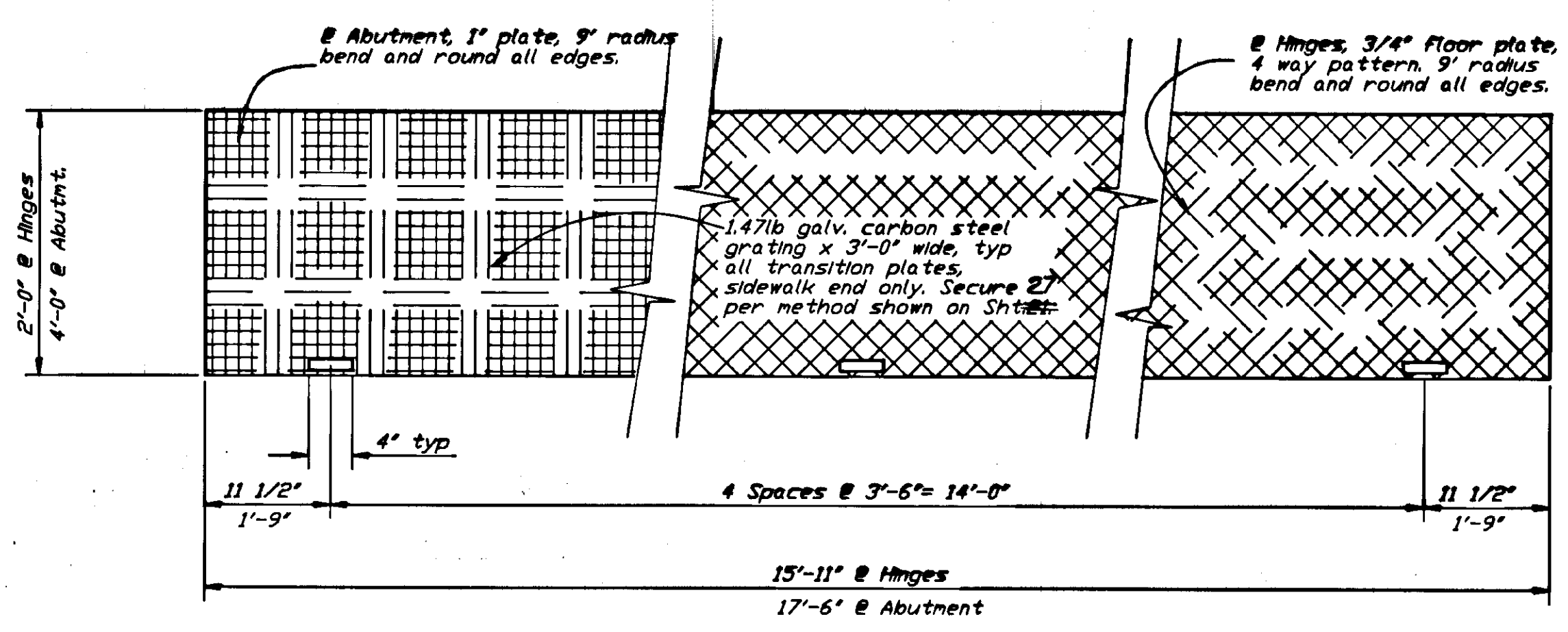
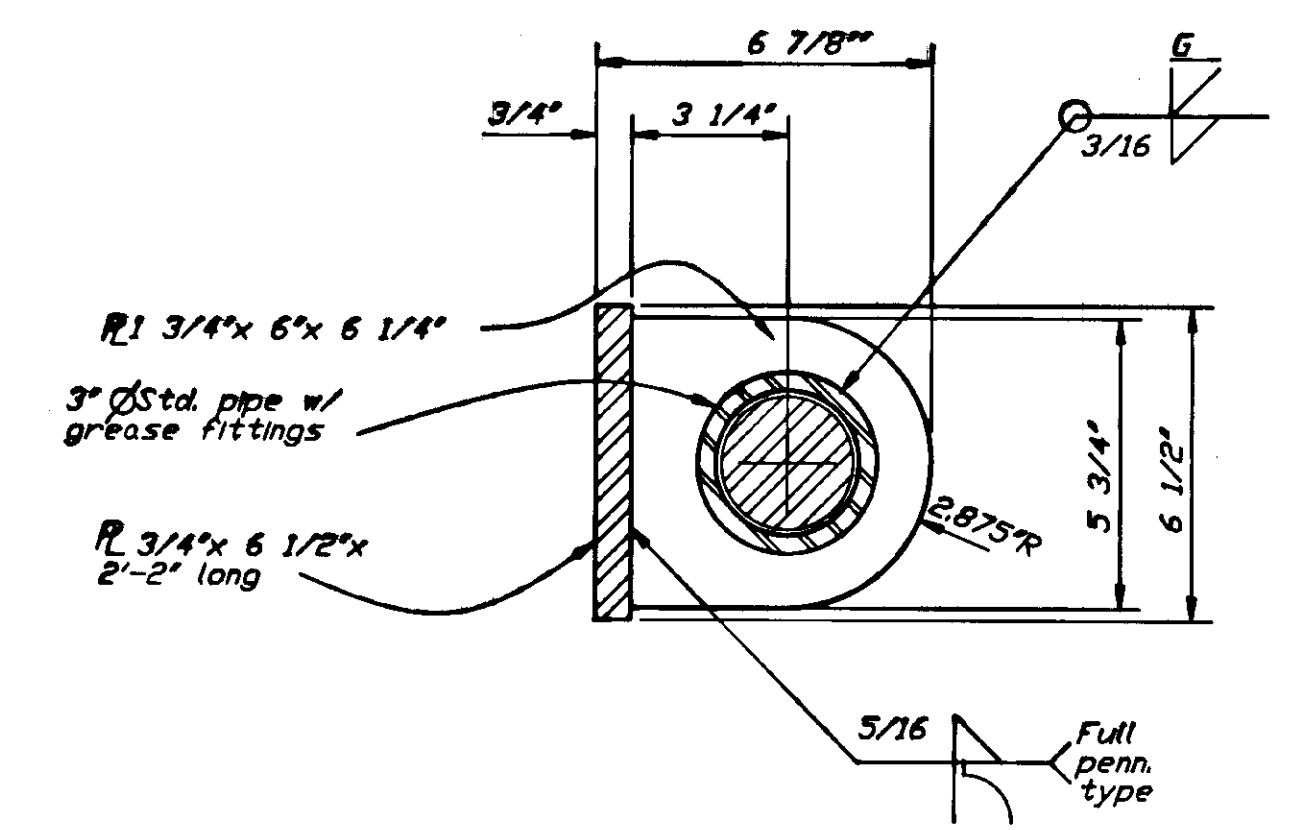
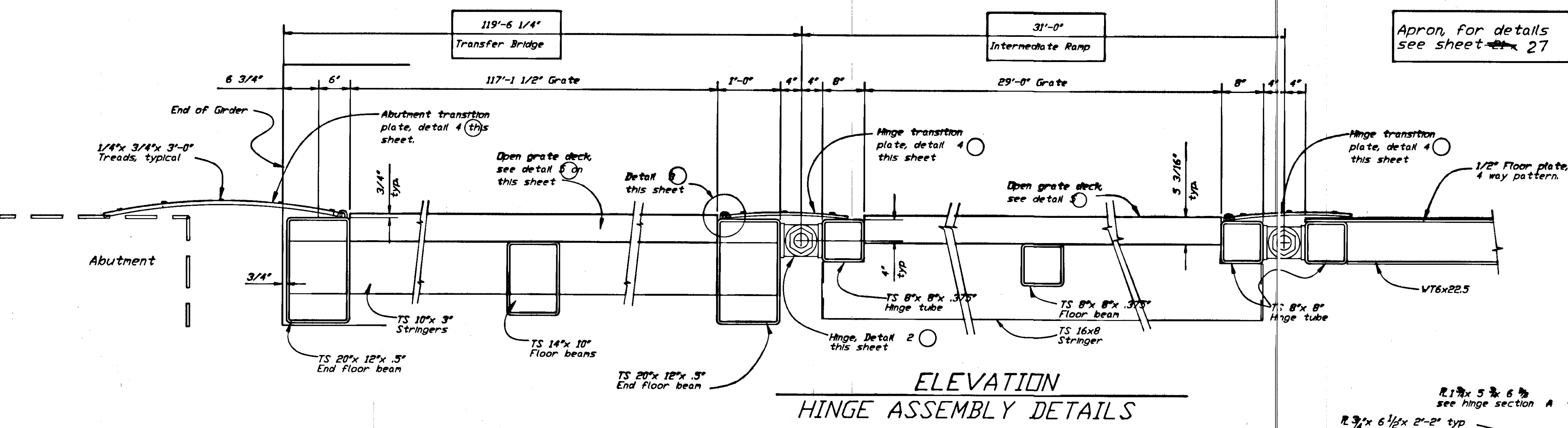
BRIDGE LAYOUT - PLAN

See AS-BUILT bridge details, shts. 19-27

1. The term **overcoat** is being used to describe a specific process. See Section 303-1.01(3), System 5.
2. Contractor shall protect all lubricated surfaces, cables, and fittings to prevent contamination from the surface preparation and painting processes.
3. Transfer bridge grating not to be removed. Tops of floor beams stringers, and intermediate ramp members to be accessed from above by placing the spray nozzle between grating bars and providing as much coverage as possible without exceeding maximum overspray on grating bars.
4. Catwalks are to be removed from their existing location, transferred to a suitable work site and overcoated, and reinstalled in their proper locations.
5. Note that in addition to bridge and catwalk painting shown on this sheet, barge platform members shall be painted. Refer to sht. 30 for as-built details. 4" dia. and 8" dia. pipes, W6x20, S5x10, and 3/4" base plates are all to be overcoated with system 5.

DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
AUKE BAY		ALASKA	
BRIDGE OVERCOAT DETAILS			
DESIGNED: BAS	CHECKED:	DRAWN: BAS	DATE: AUG. 1993
PROJECT NUMBER: STP-093-3(7)/75265		SHEET 18	OF 39

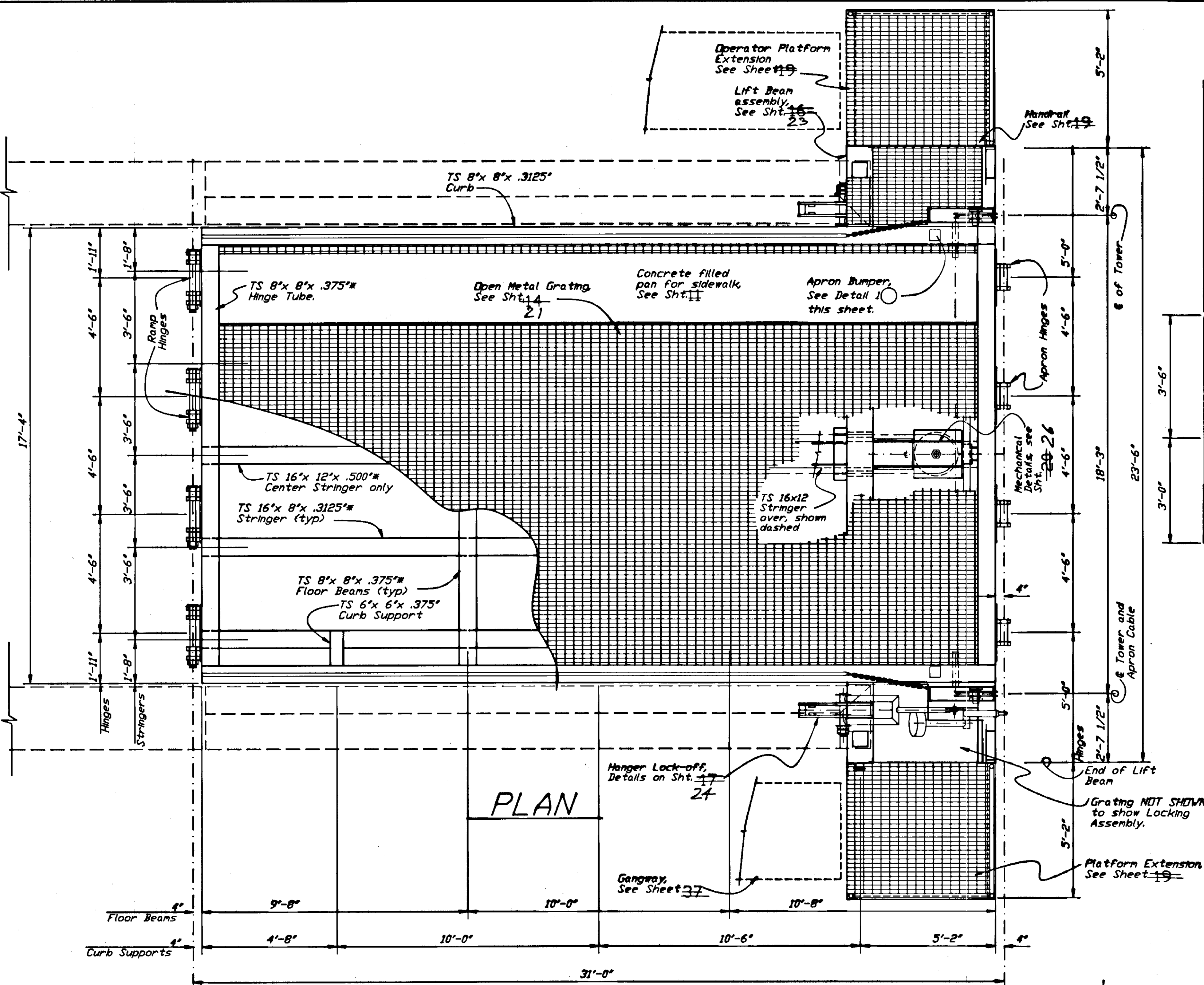




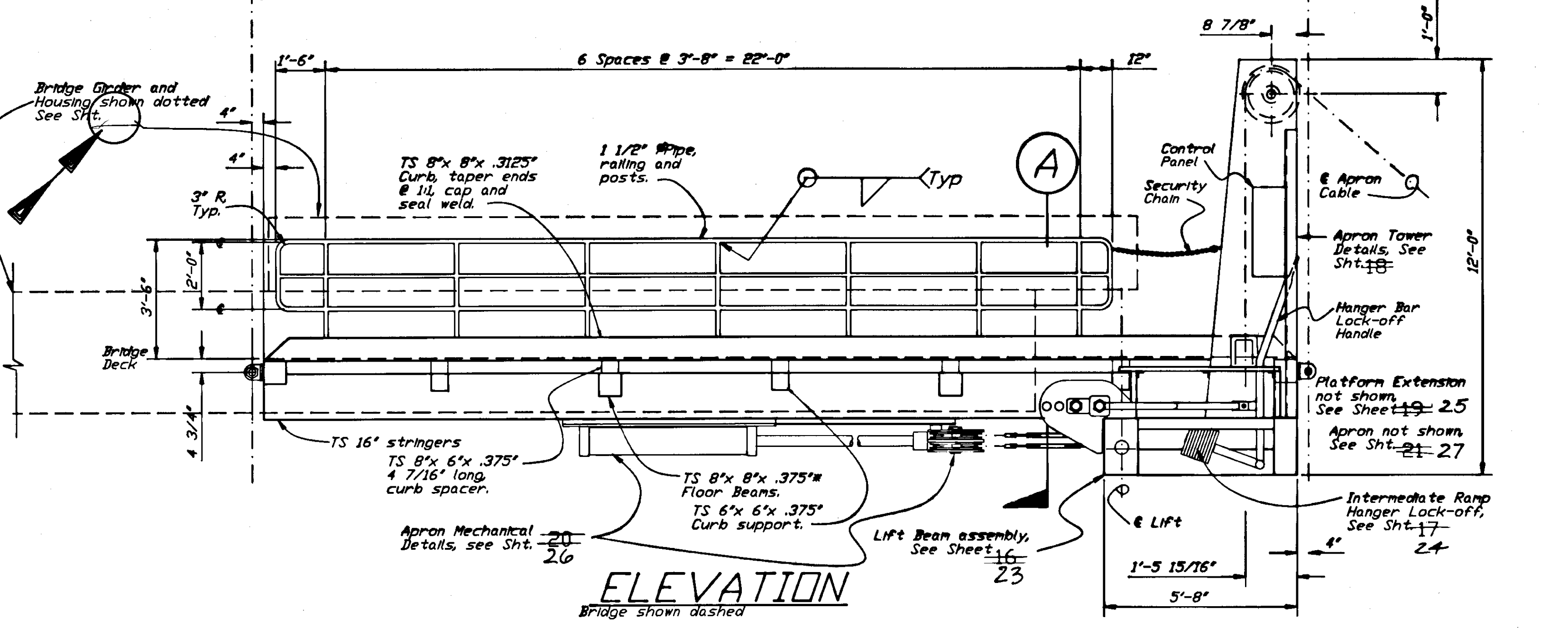
* Contractor/Fabricator may optionally elect to utilize a mechanical style connector in lieu of the welded detail shown. Details subject to the review and approval of the engineer.

PROJ. NO. STP-093-3(7) / 75265
 AS-BUILT INFO. SHEET 21 OF 39

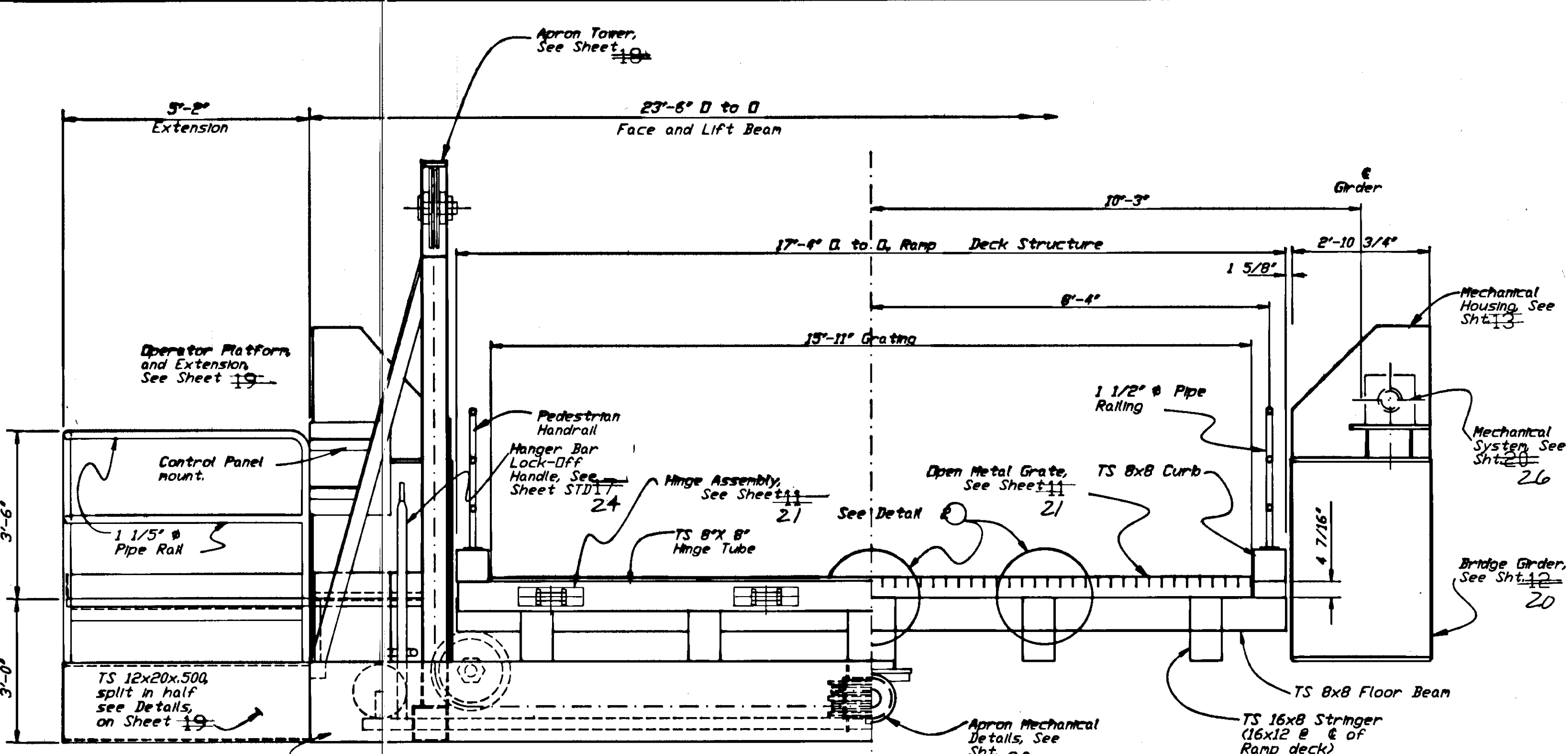
STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
STATE OF ALASKA					
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES					
AUKE BAY				ALASKA	
DECK HINGE and MISC. DETAILS					
DESIGNED	JS	CHECKED	JAL	DRAWN	Geol
PROJECT NUMBER	STP-093-4(16)		SHEET	21	OF 39
DATE		6/22/87			



PLAN



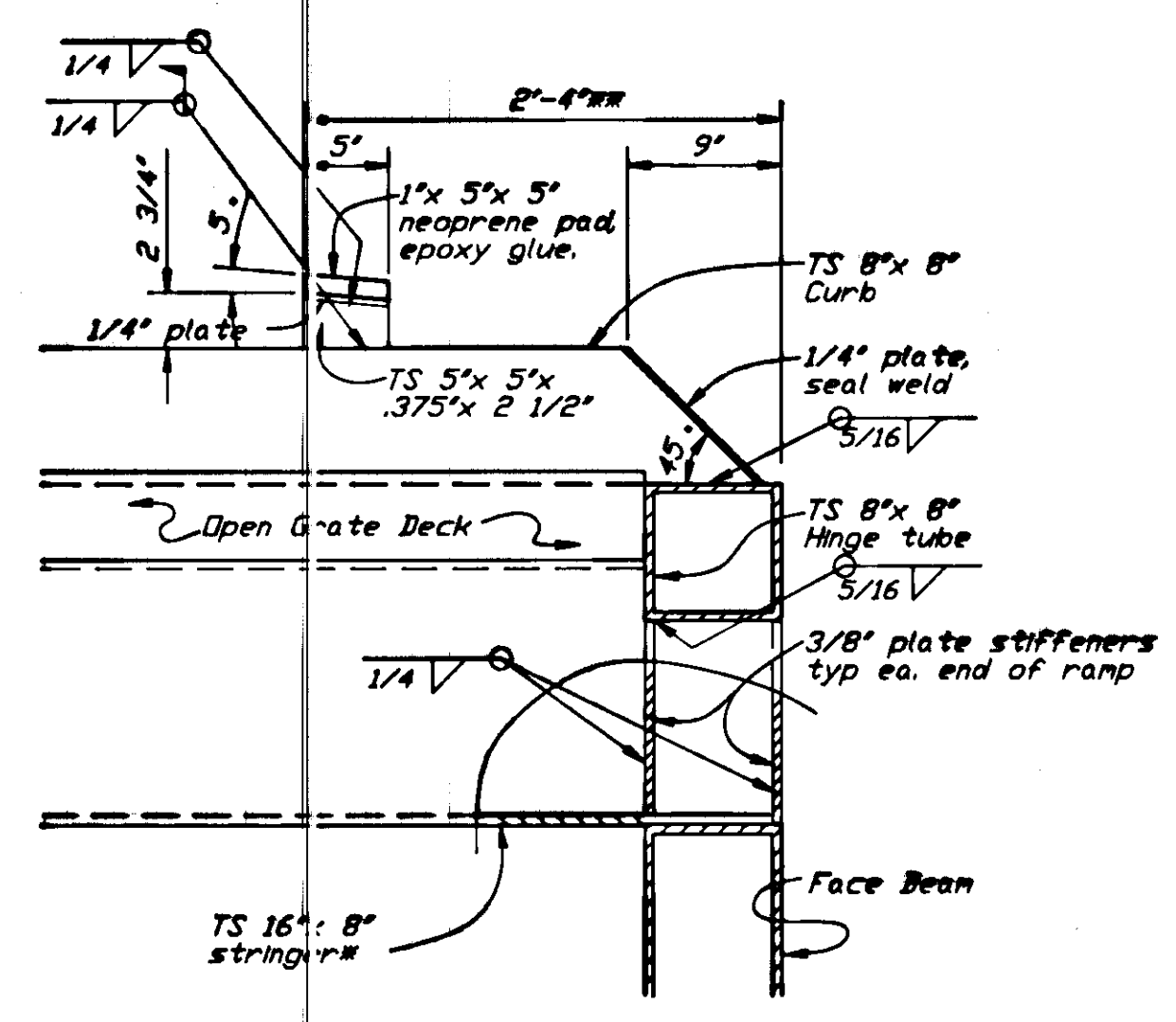
ELEVATION
BRIDGE SHOWN DASHED



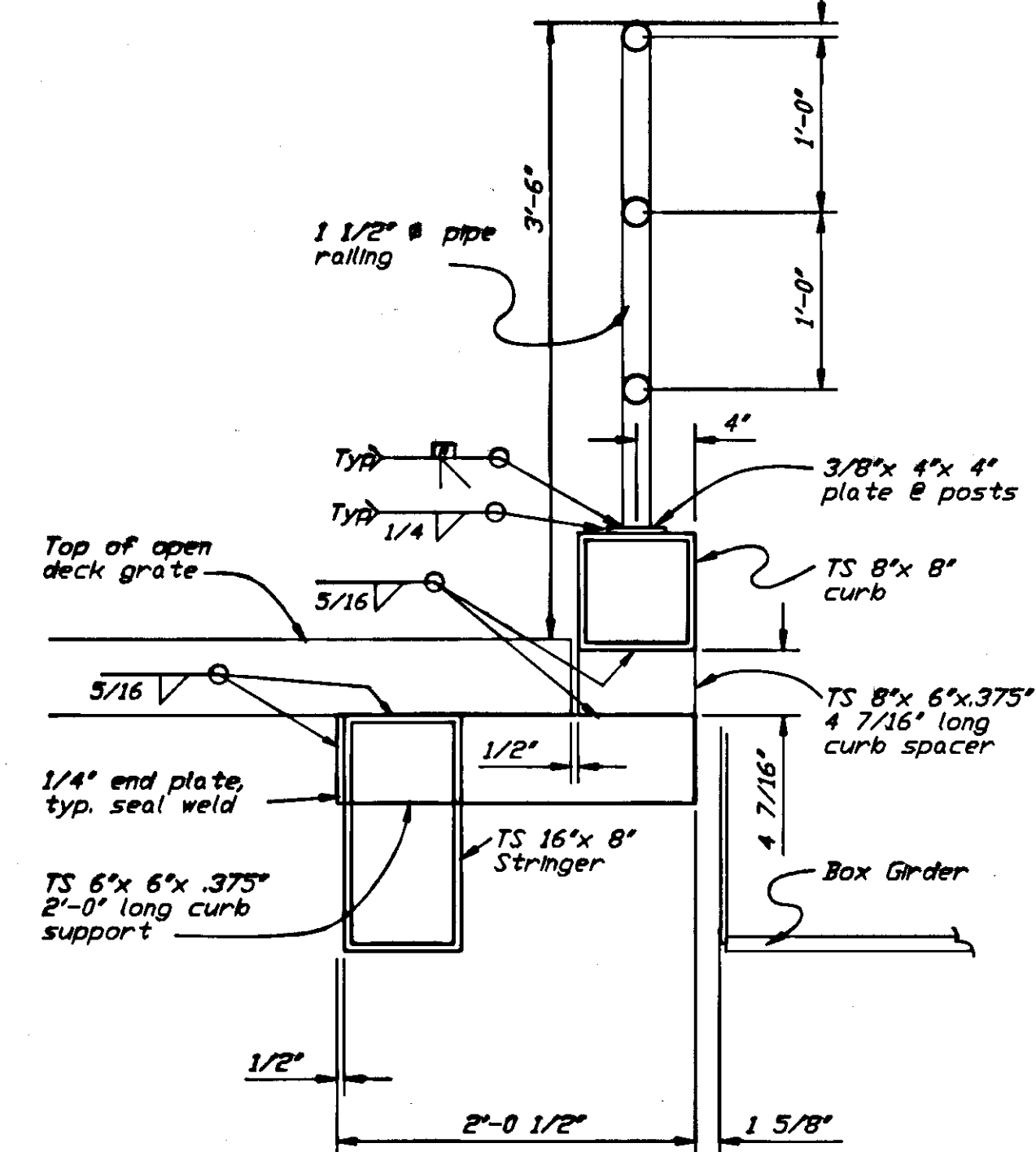
ELEVATION

SECTION
1/2"=1'-0"

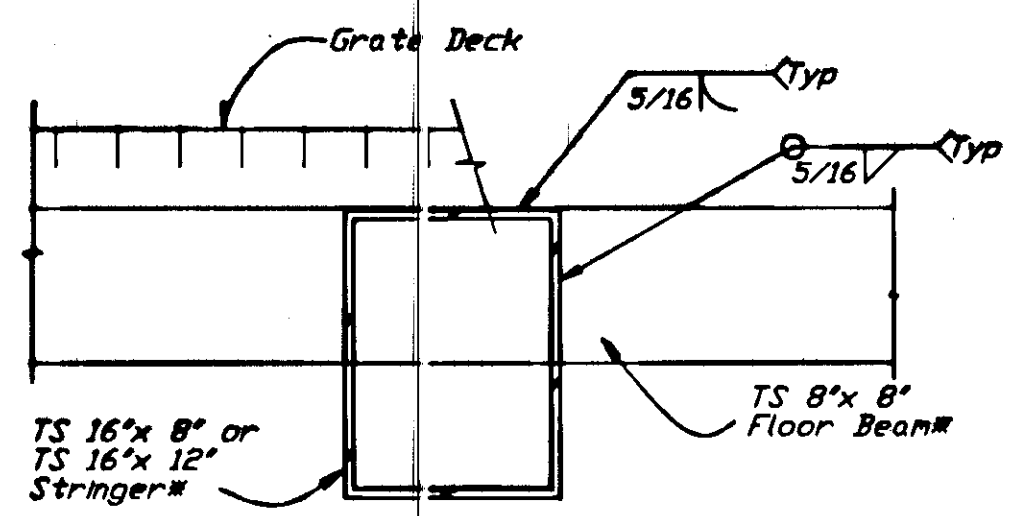
- NOTES:
 1. (M) Main members subject to tensile stress.
 2. Close all open ended pipe or tubing with 1/4" plate and seal weld.
 3. (##) Field locate.



DETAIL ①



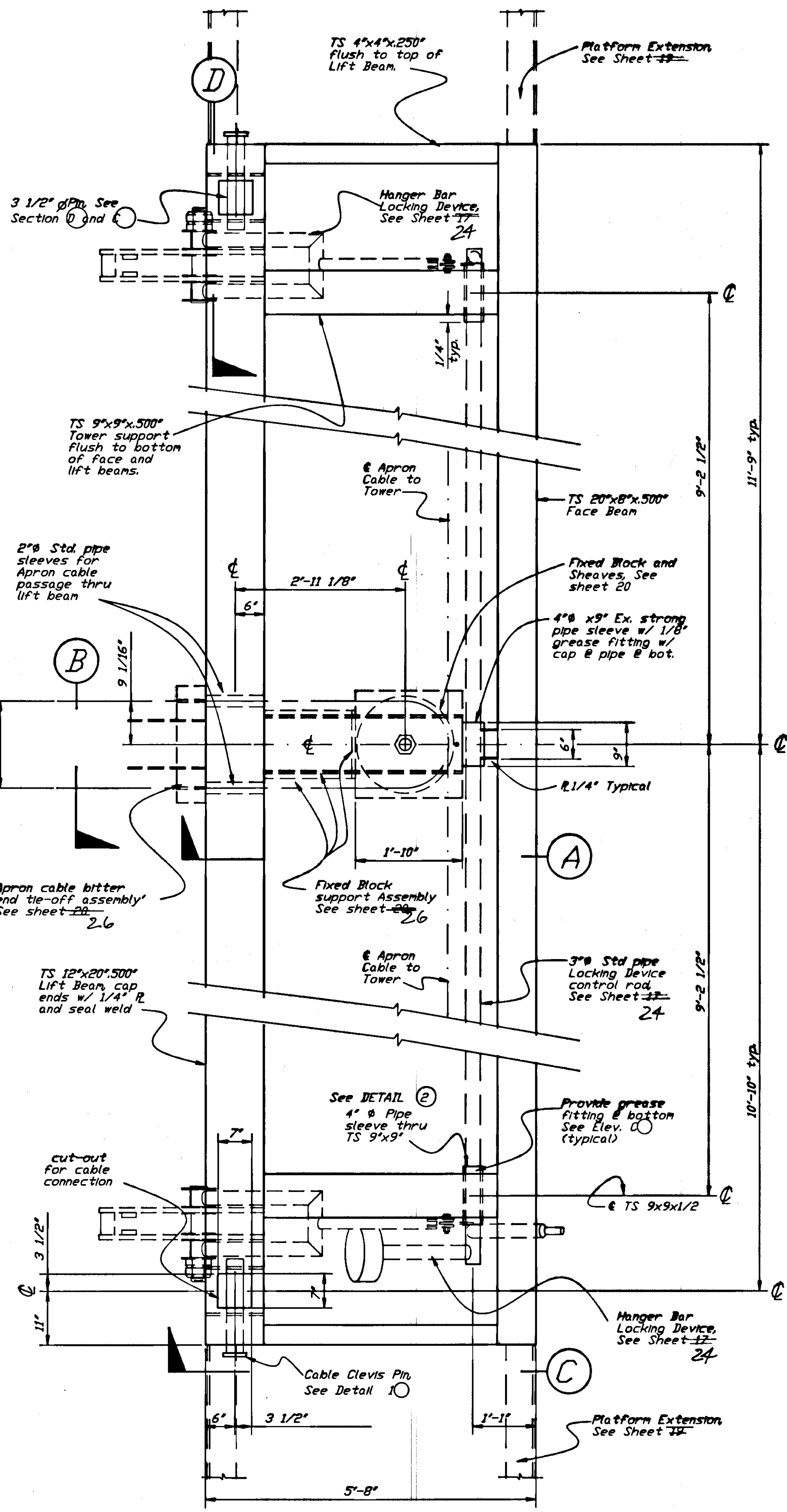
SECTION A



DETAIL ②

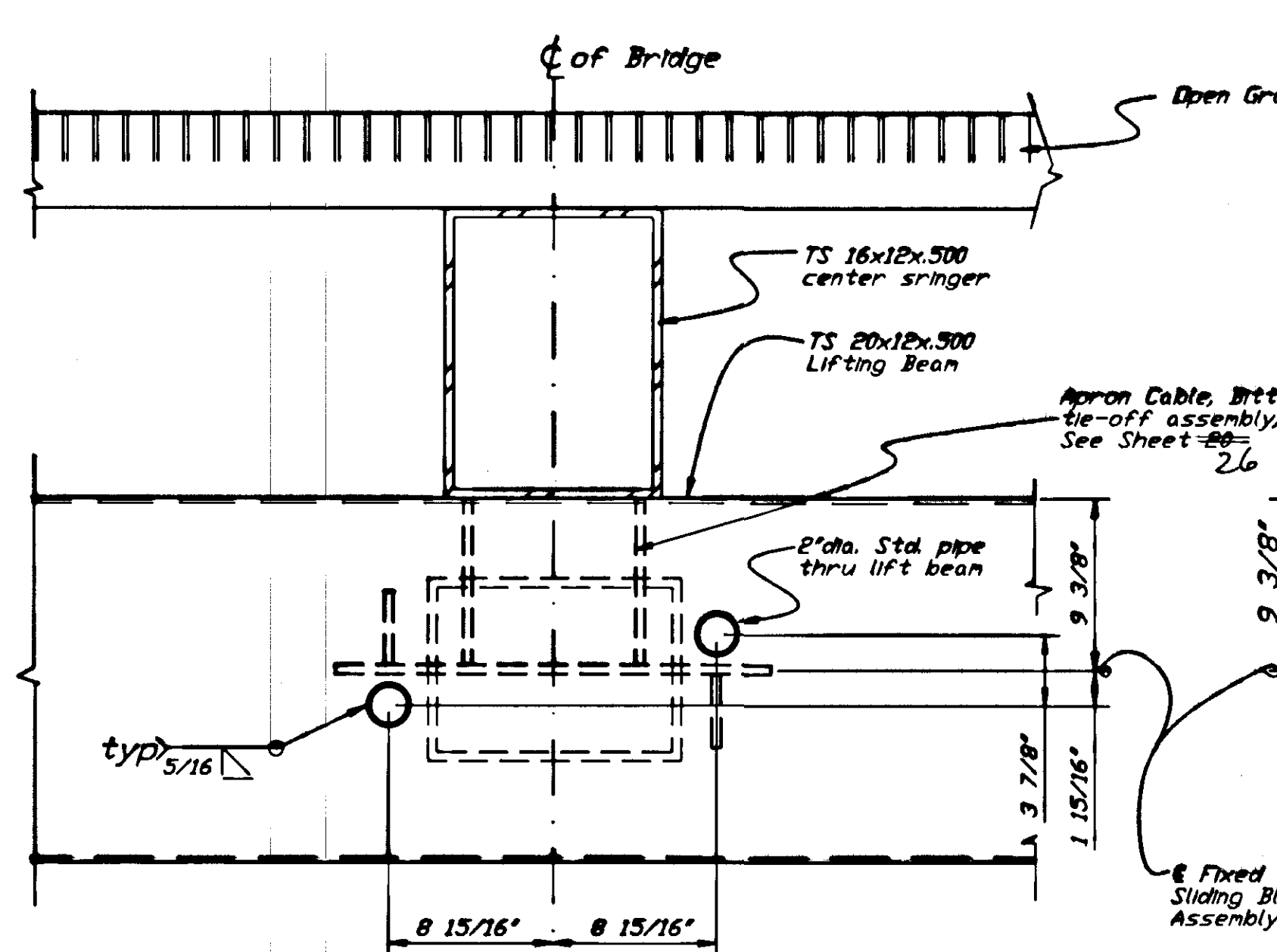
PROJ. NO. STP-093-3(7) / 75265
 AS-BUILT INFO. SHEET 22 OF 39

DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
ALUKE BAY		ALASKA	
INTERMEDIATE RAMP FRAMING DETAILS			
DESIGNED JL	CHECKED JS	DRAWN Geal	DATE 7AUG87
PROJECT NUMBER F-095-4(16)		SHEET 15 OF 37	

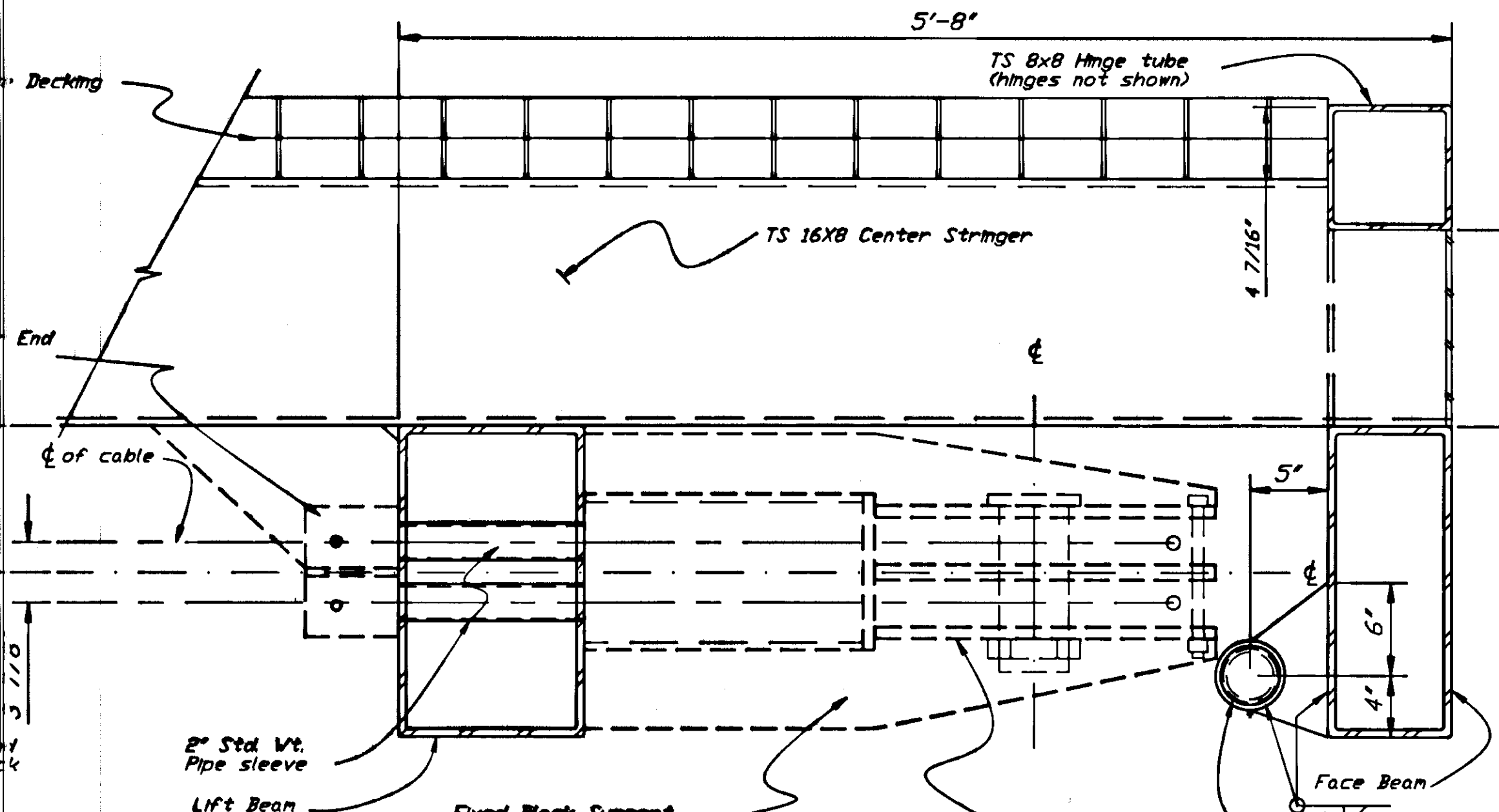


PLAN

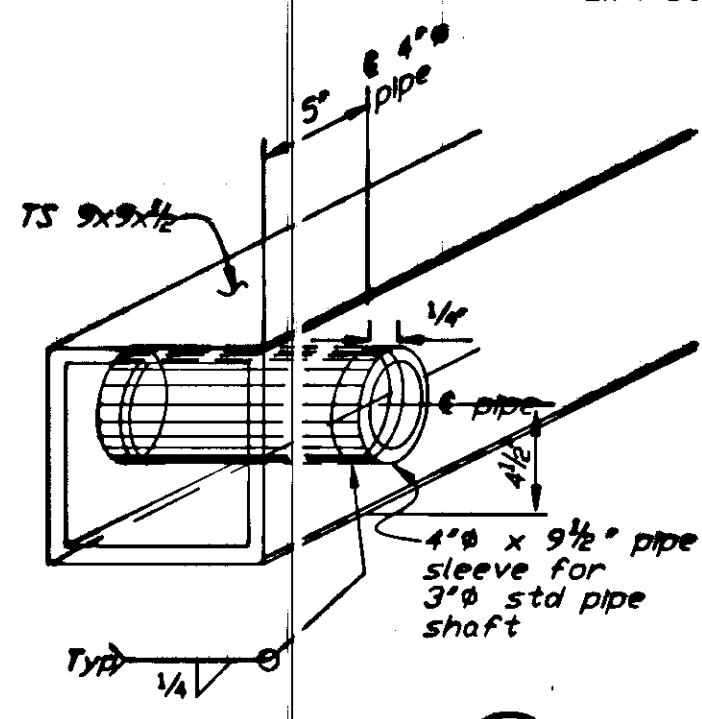
Lift Beam Assembly
Stringers, Curb and Deck not shown



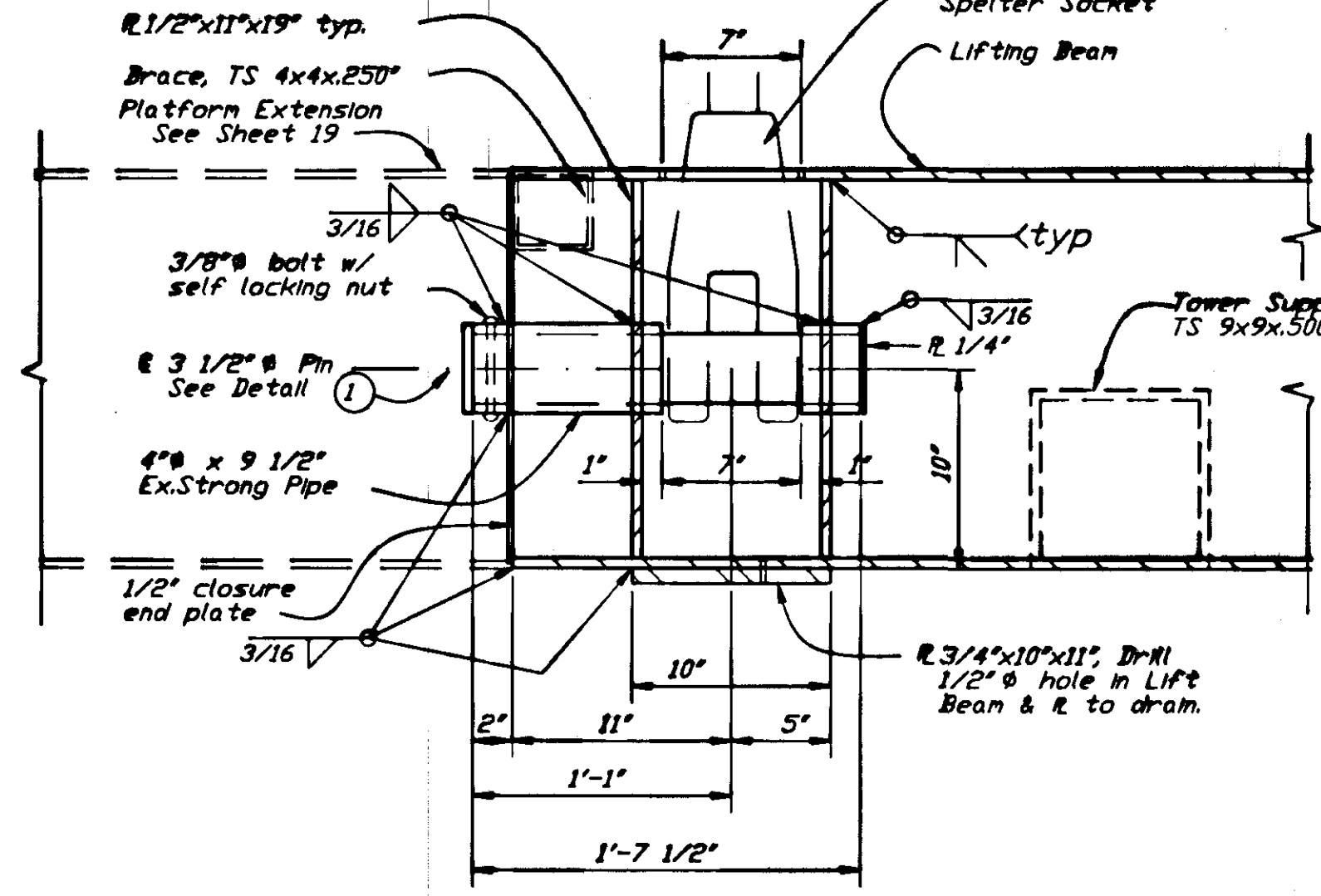
SECTION B



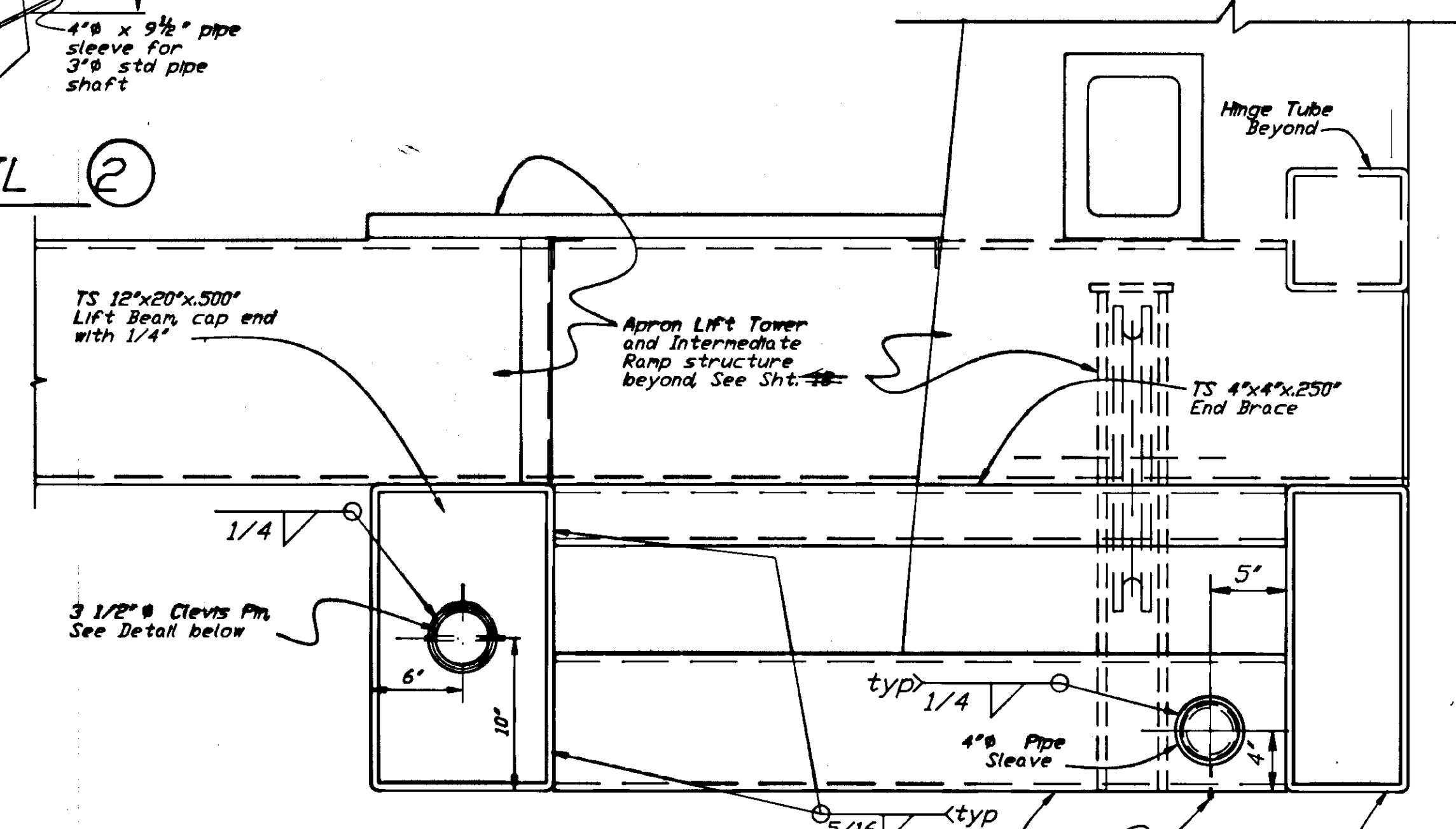
SECTION A



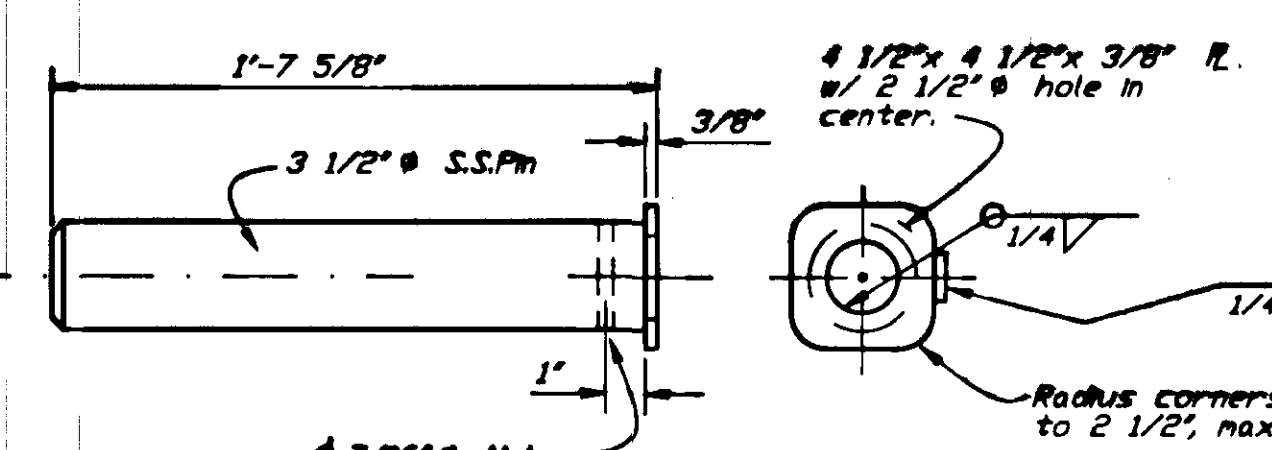
DETAIL 2



SECTION D



ELEVATION C



DETAIL 1

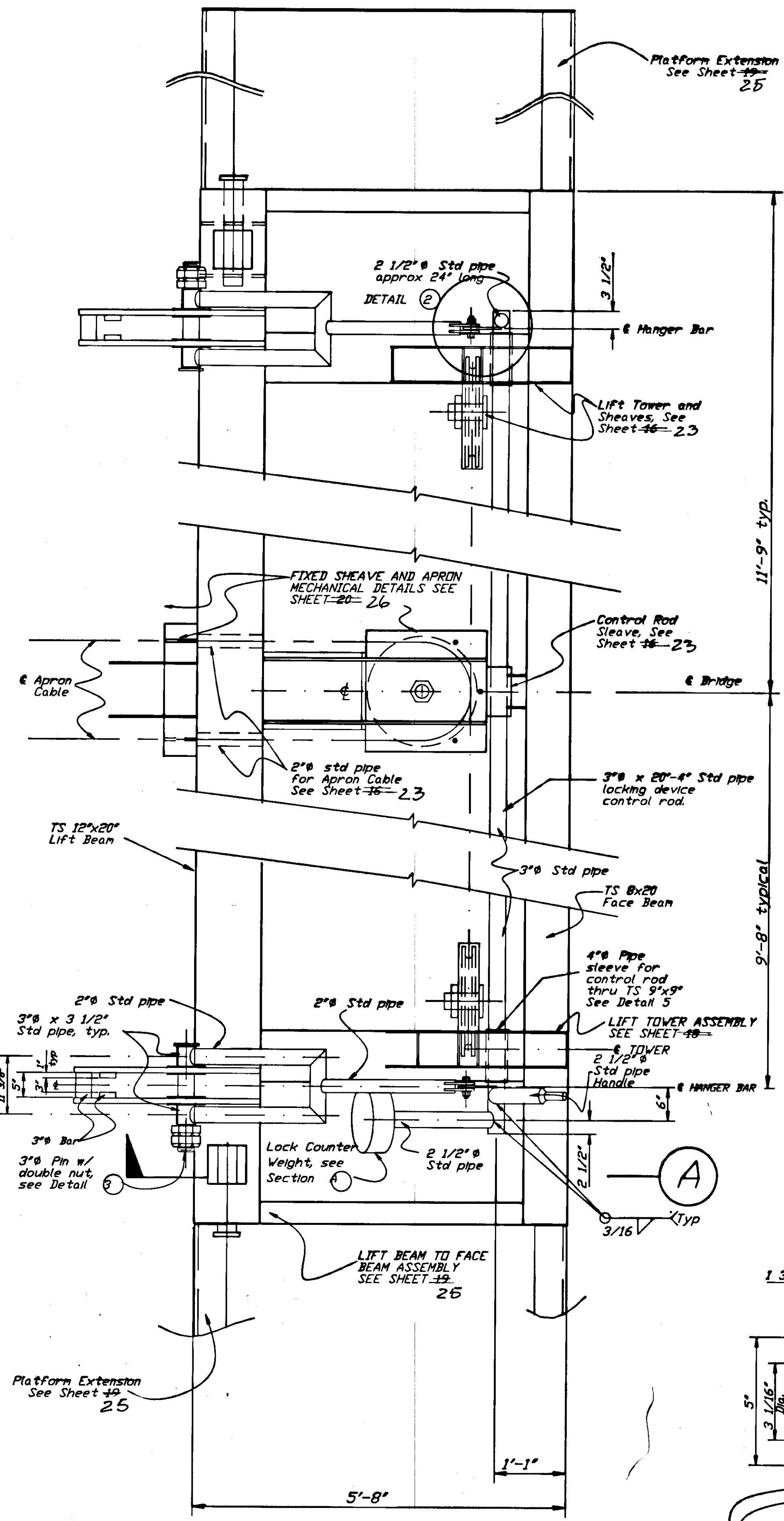
Cable Clevis Pin

NOTE:
Close all open ended pipe or tubing with 1/4" plate and seal weld all around. Except Lift Beam, See Detail 1 Sht. 19

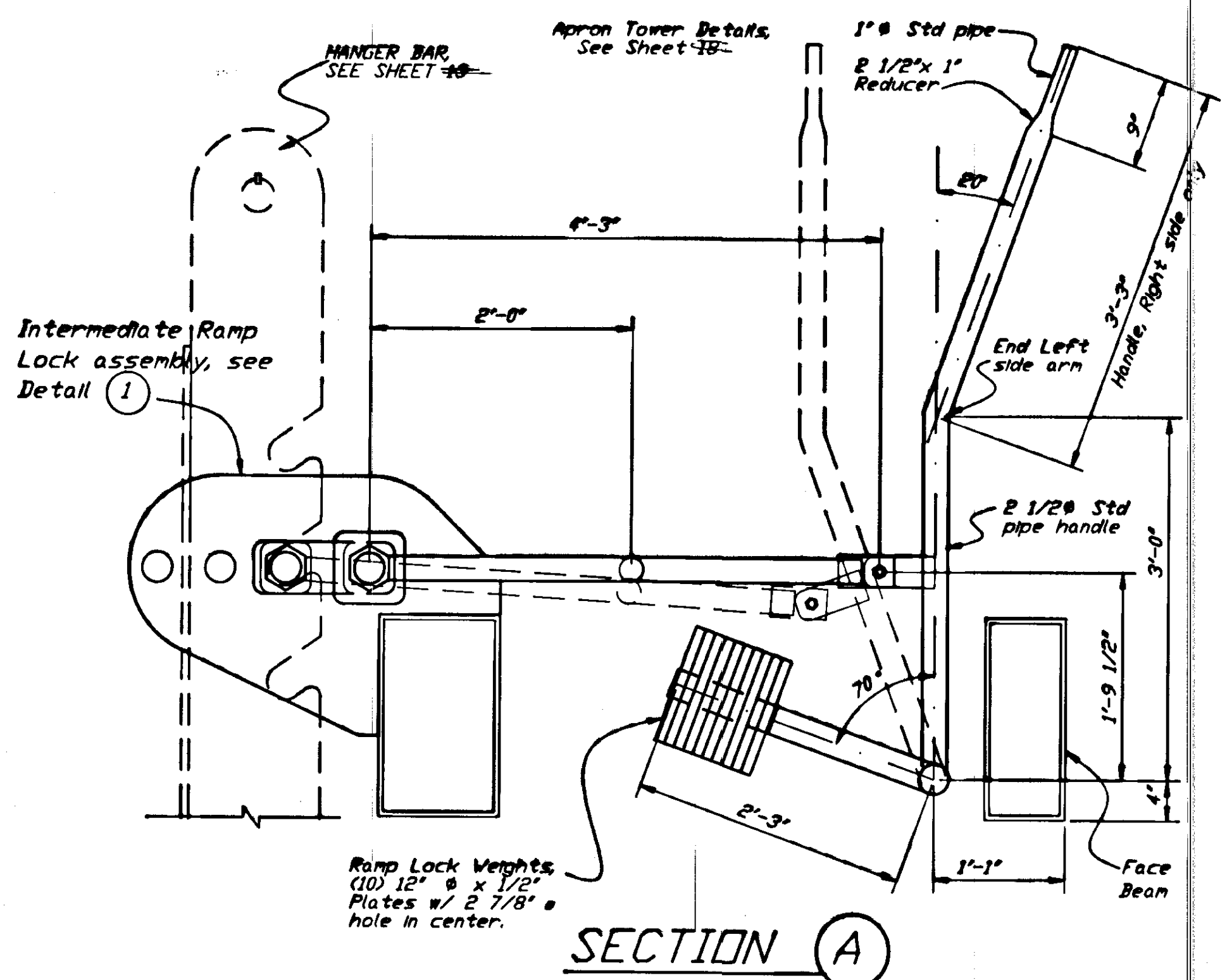
Keeper Bar, 1/2"x1/2"x 2" Weld to 1/2" Closure Plate

PROJ. NO. STP-093-3(7) / 75265
AS-BUILT INFO SHEET 23 OF 39

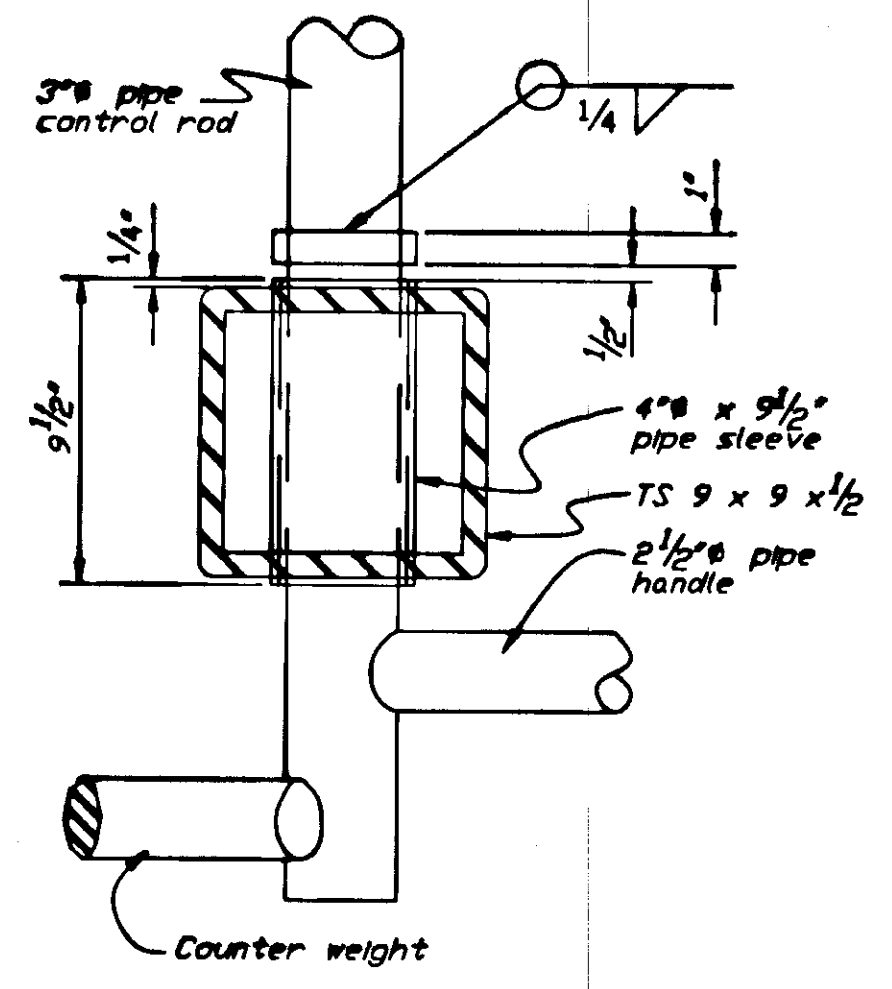
STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA			
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
AUKE BAY		ALASKA	
INTERMEDIATE RAMP LIFTING BEAM ASSEMBLY			
DESIGNED JS	CHECKED JL	DRAWN Geol	DATE
PROJECT NUMBER	F-093-4 (16)	SHEET 76	OF



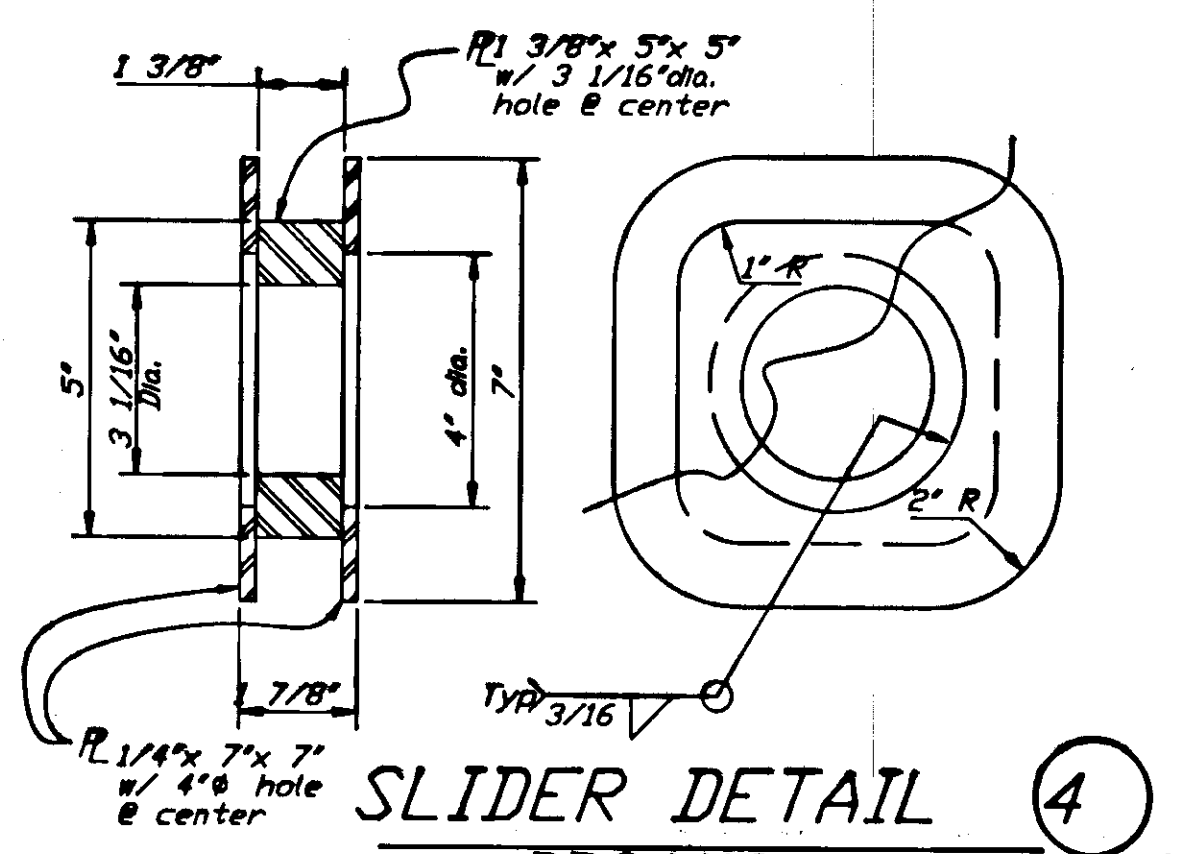
LIFTING BEAM PLAN



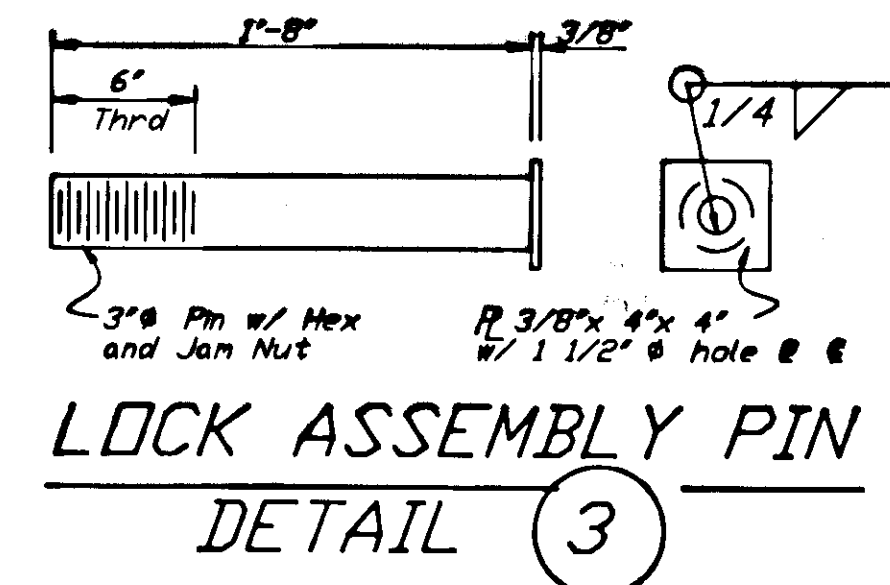
SECTION A



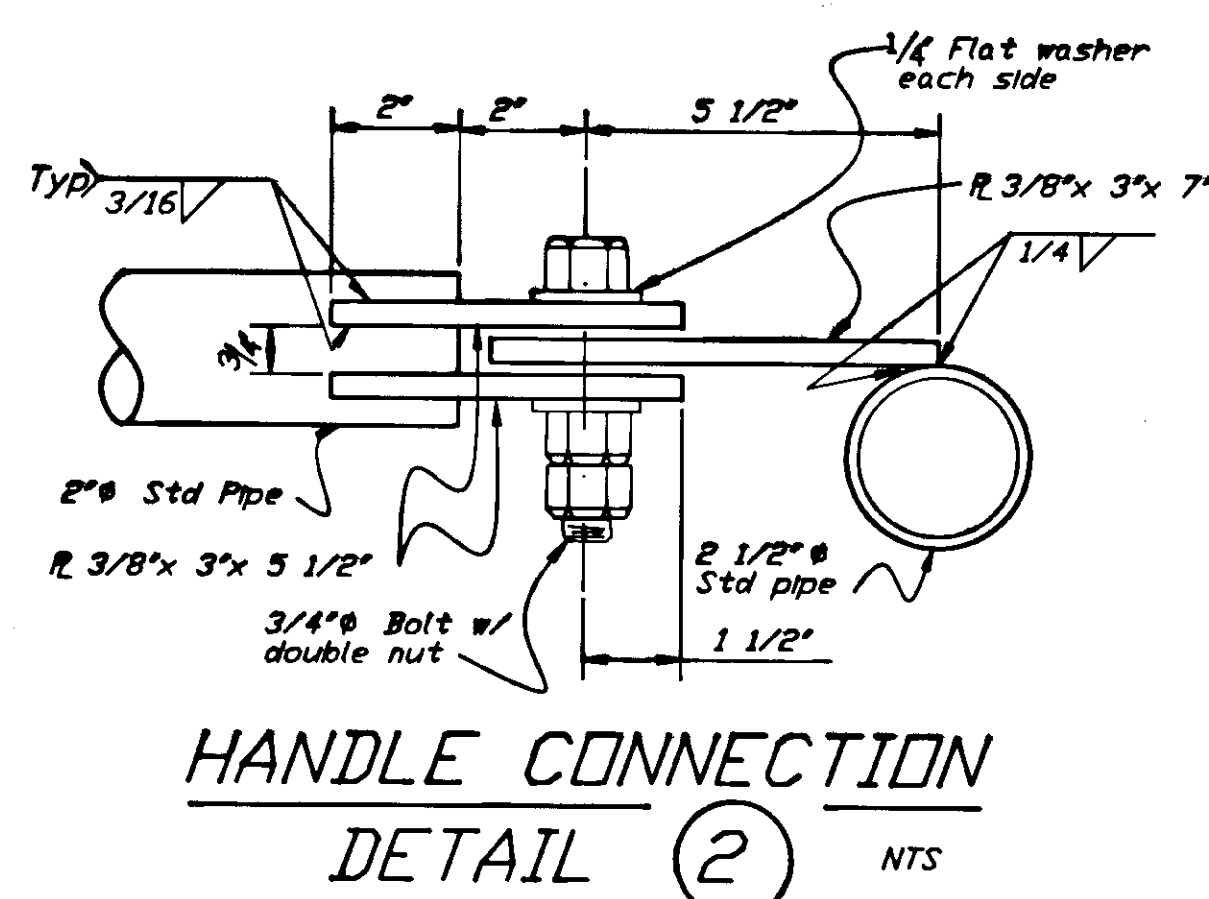
SLEEVE DETAIL 5



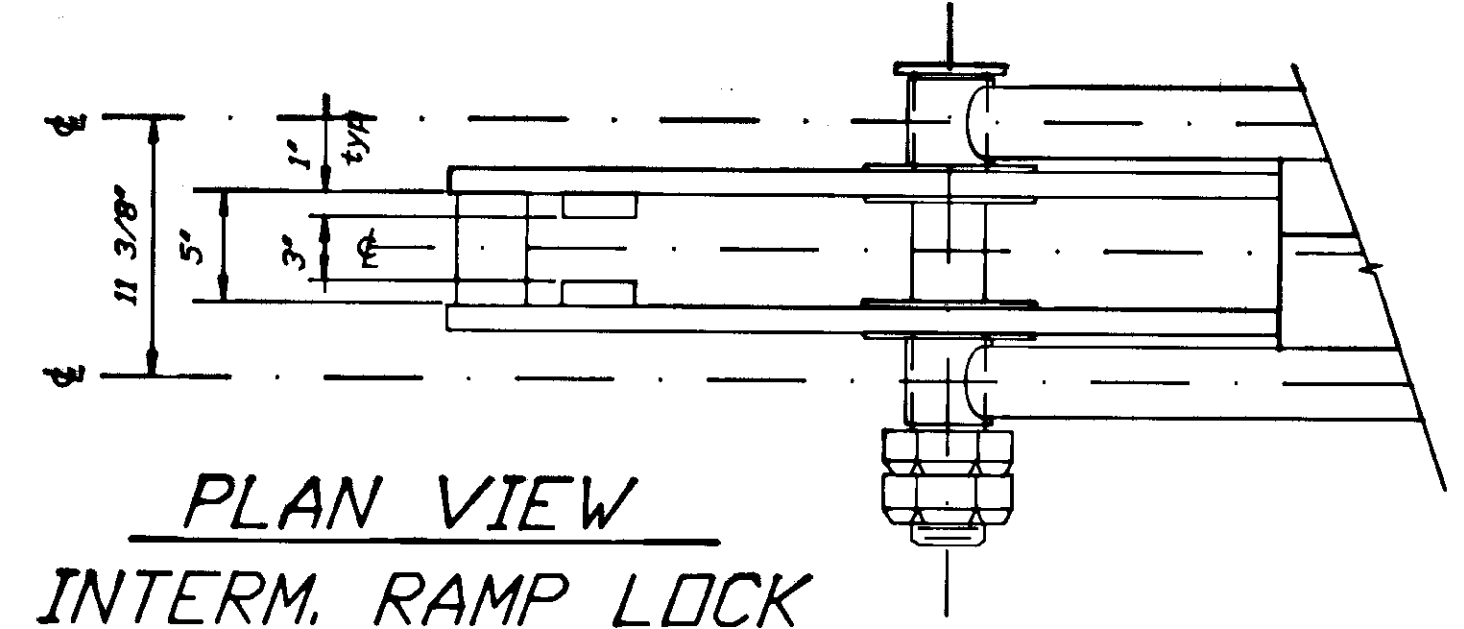
SLIDER DETAIL 4



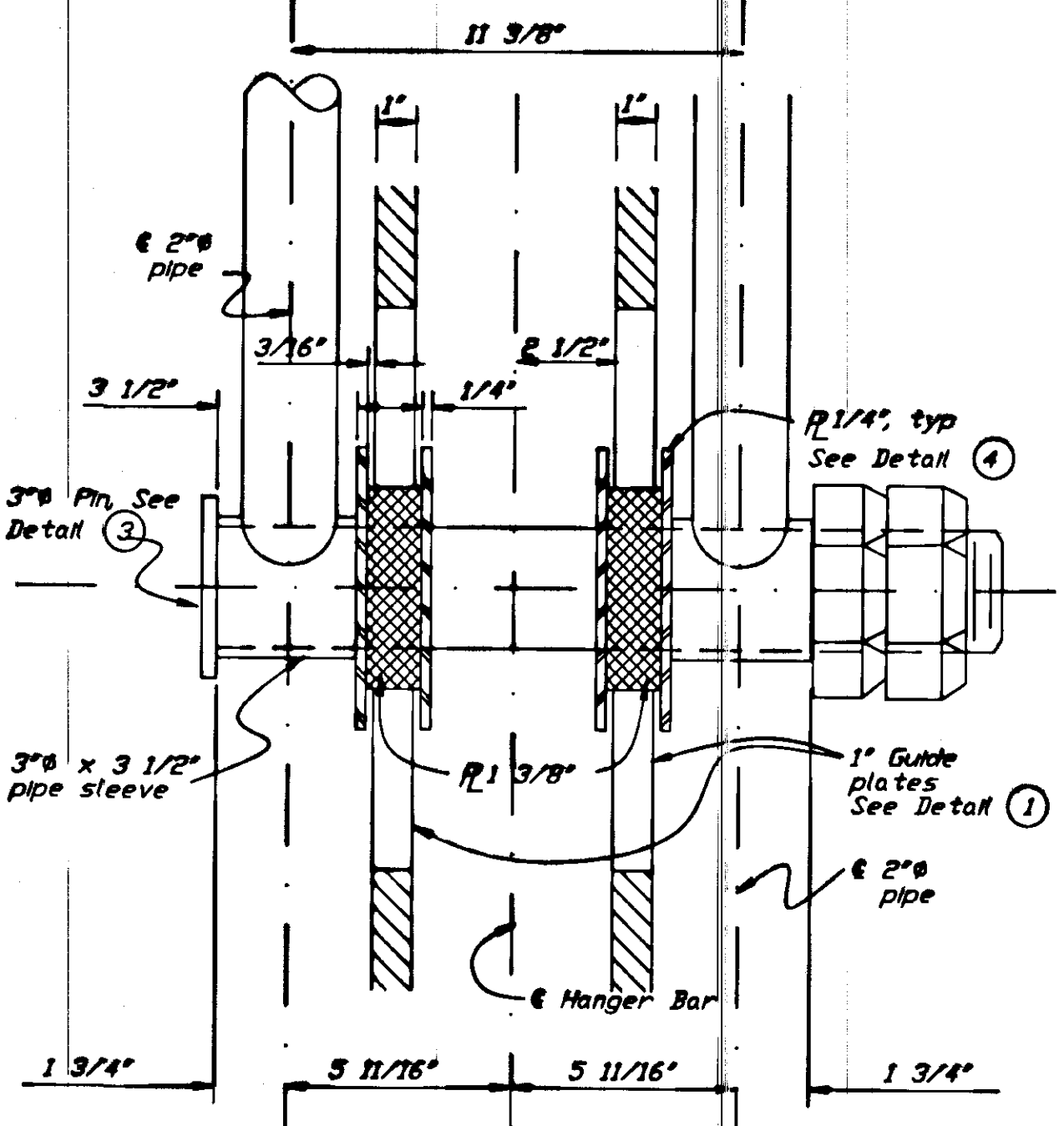
LOCK ASSEMBLY PIN DETAIL 3



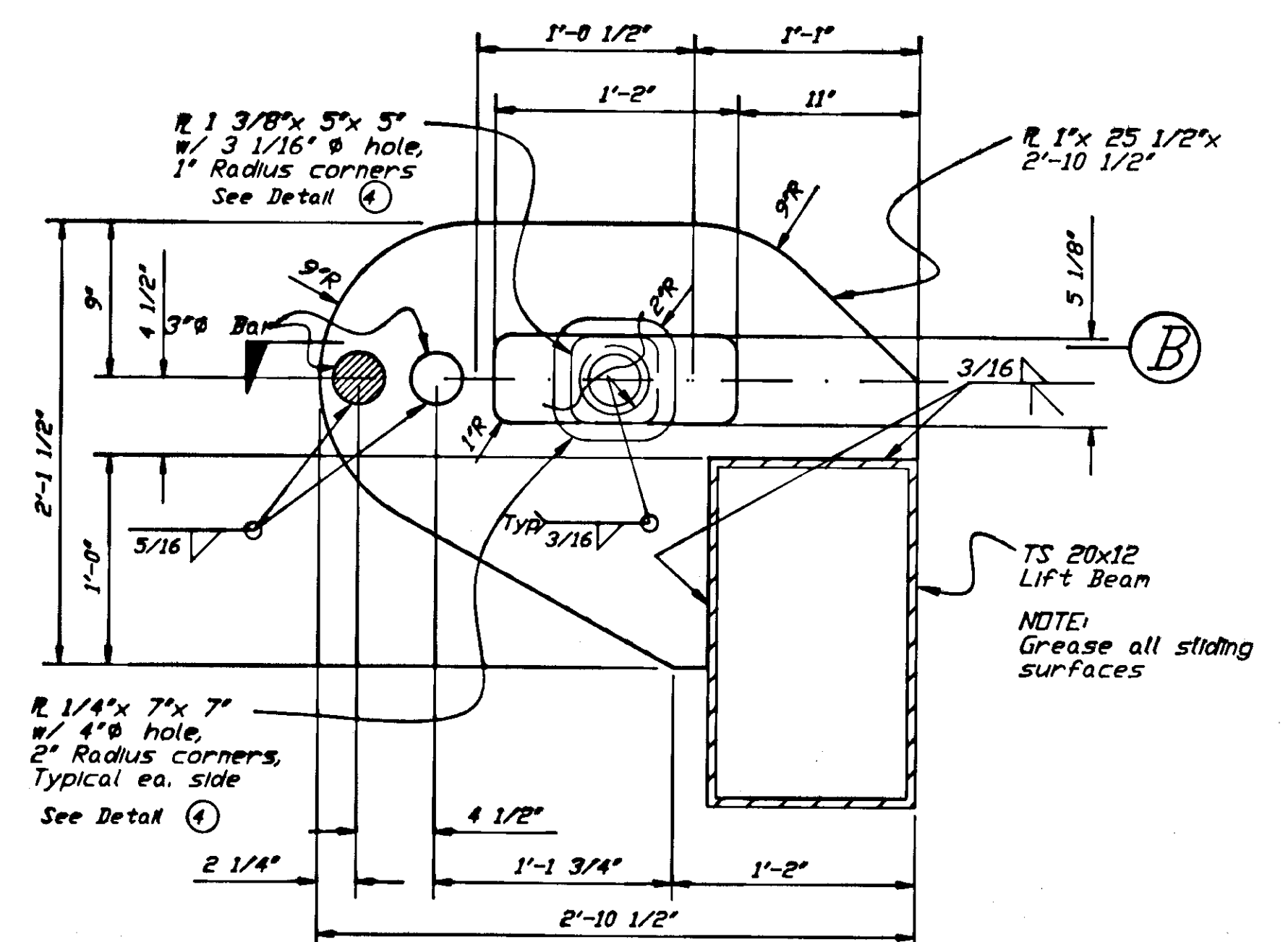
HANDLE CONNECTION DETAIL 2



PLAN VIEW INTERM. RAMP LOCK



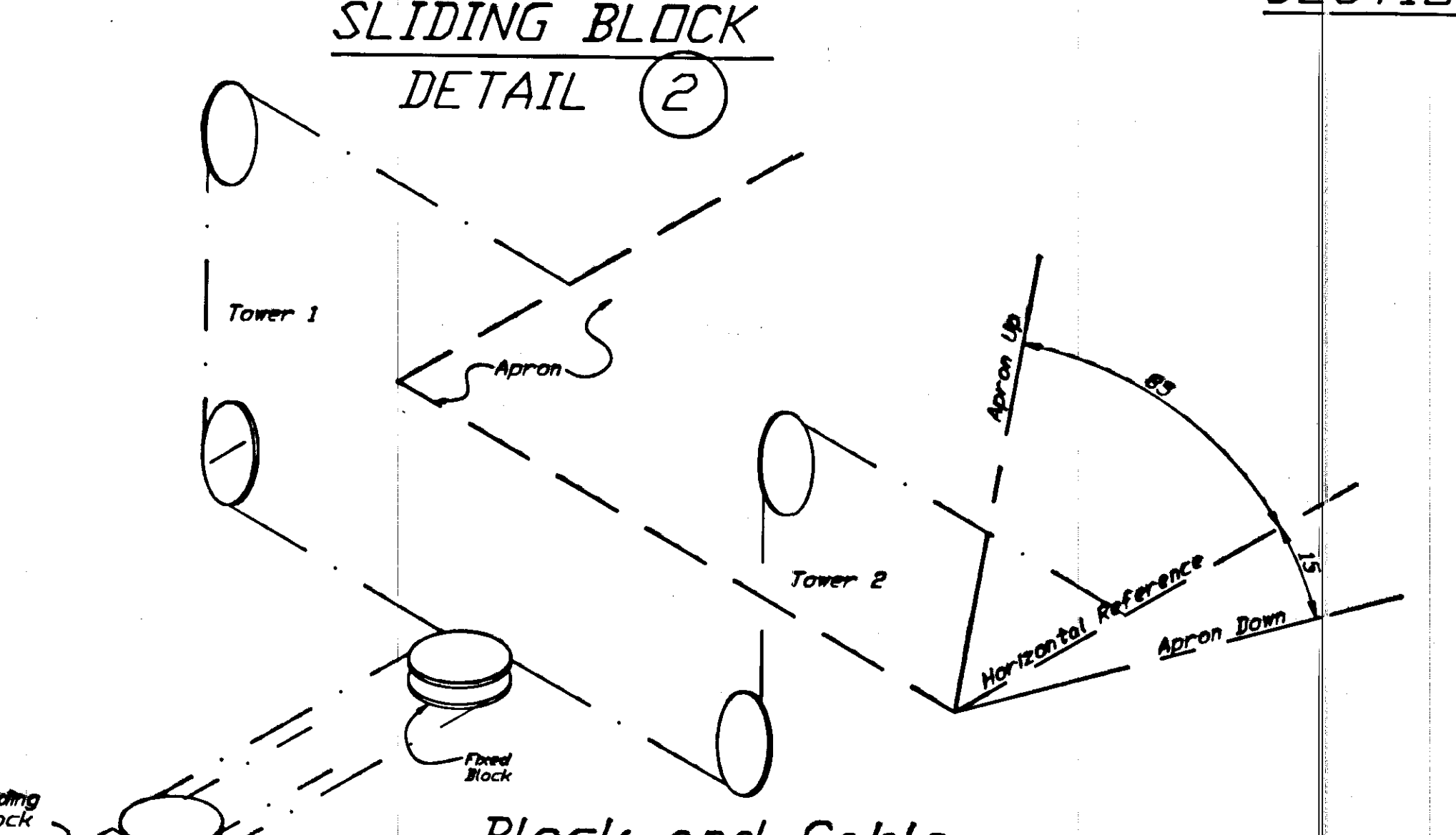
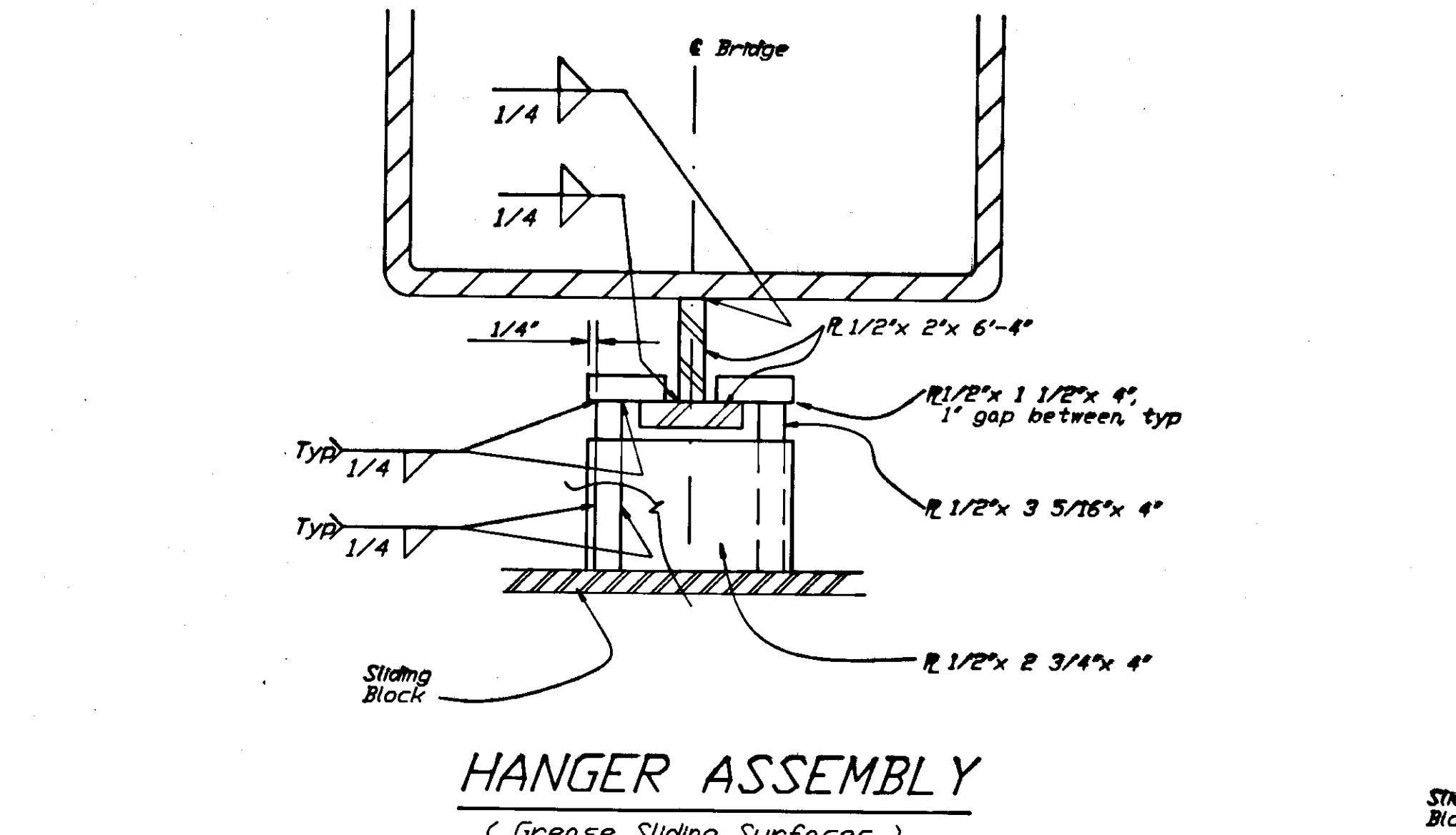
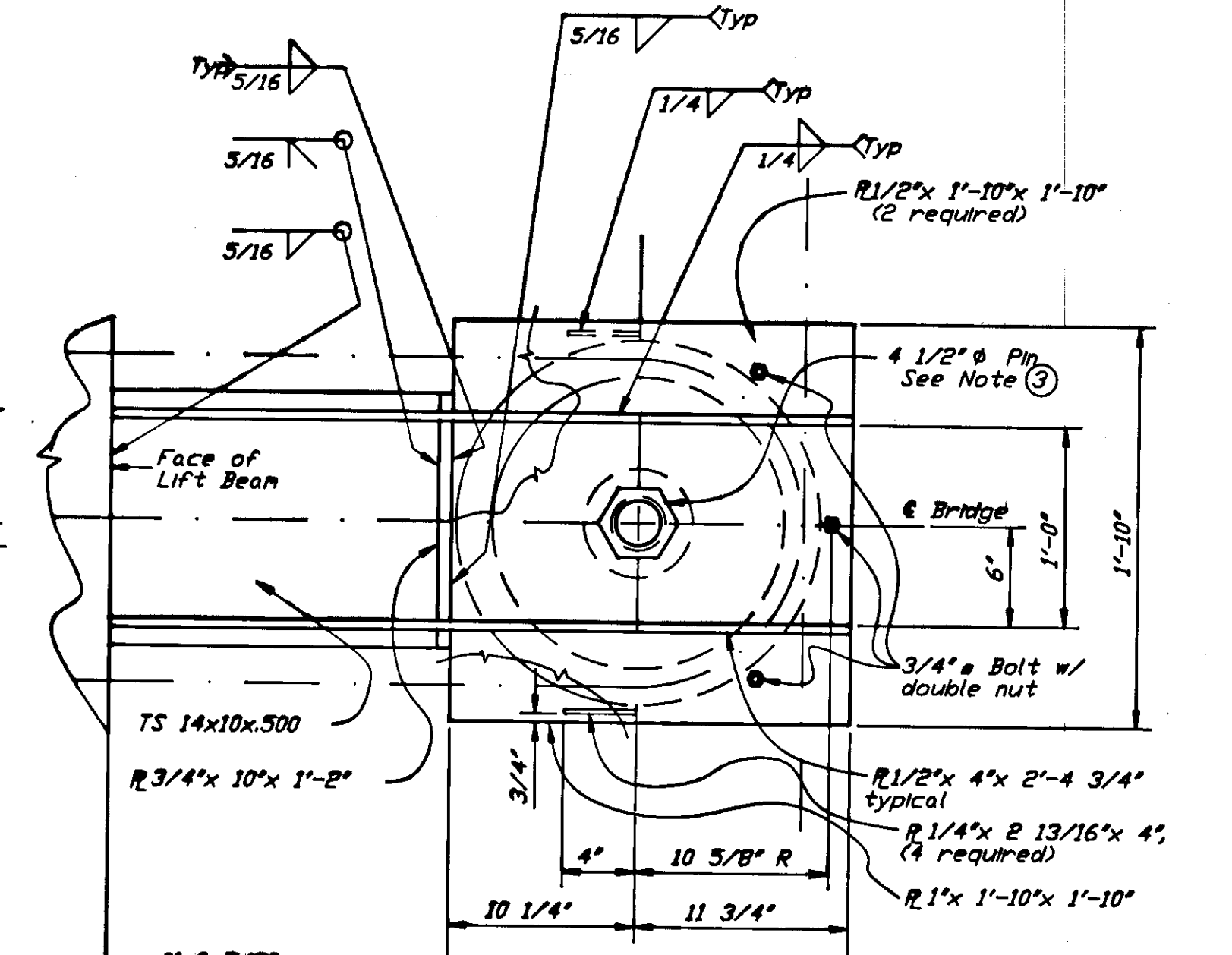
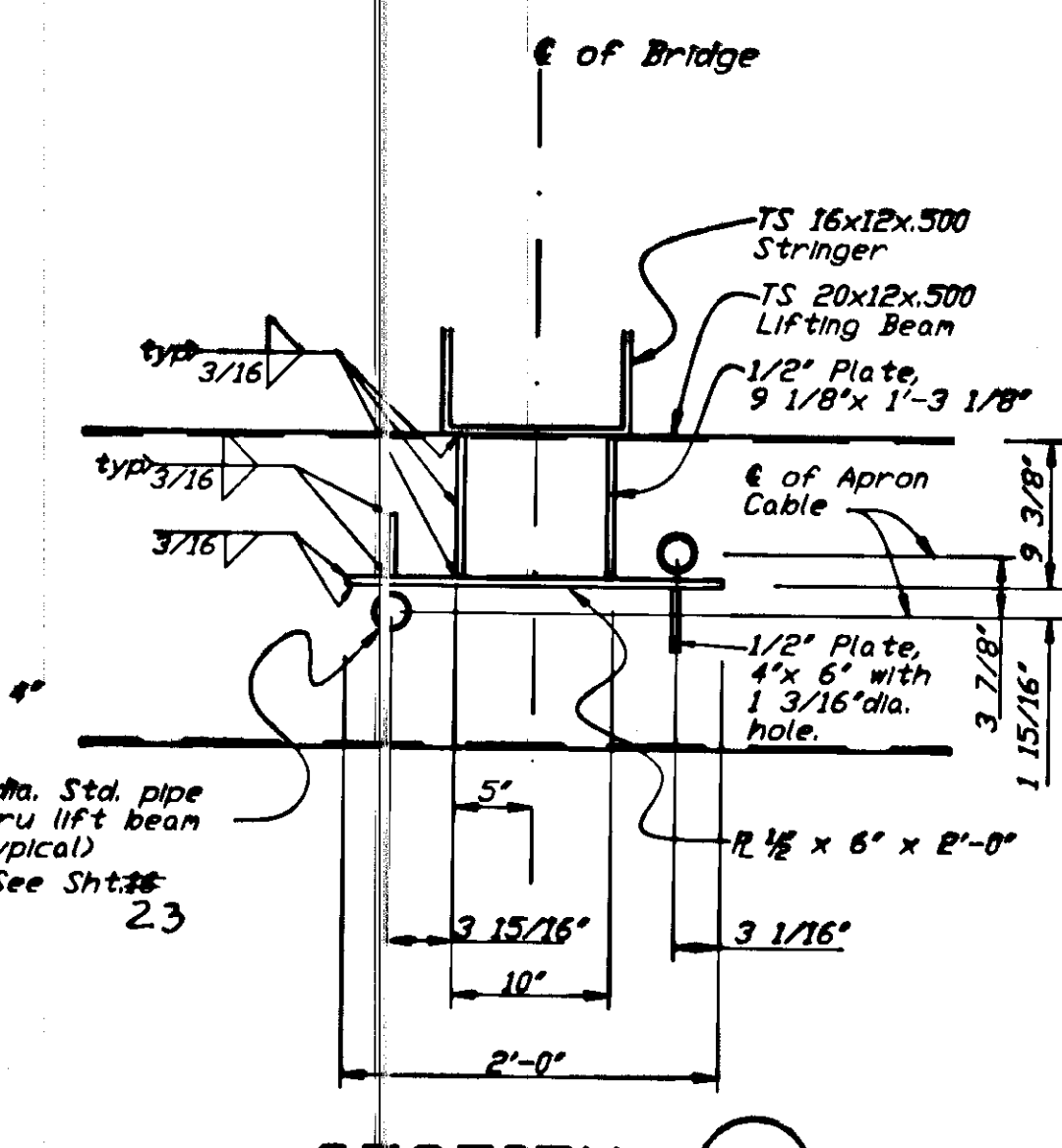
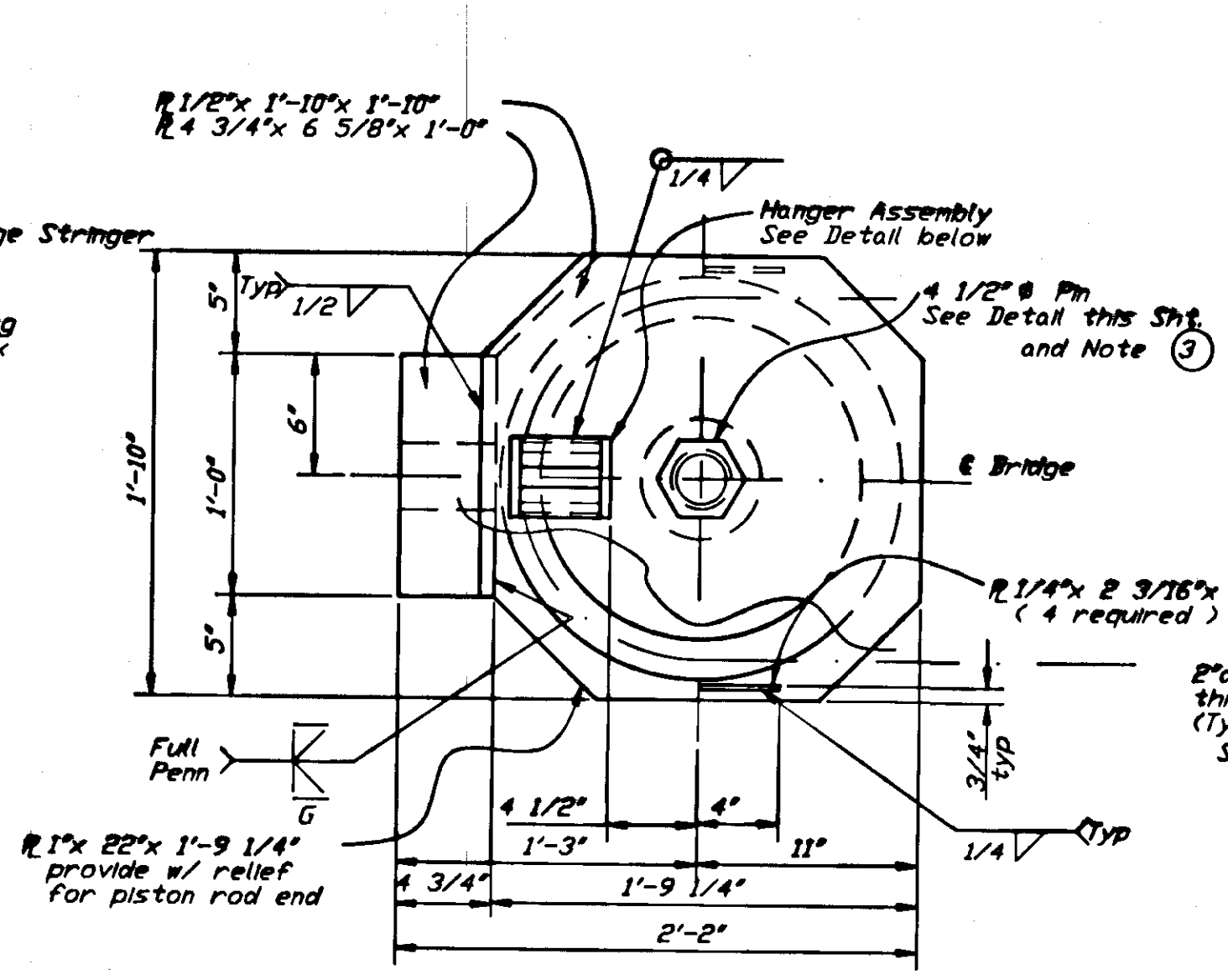
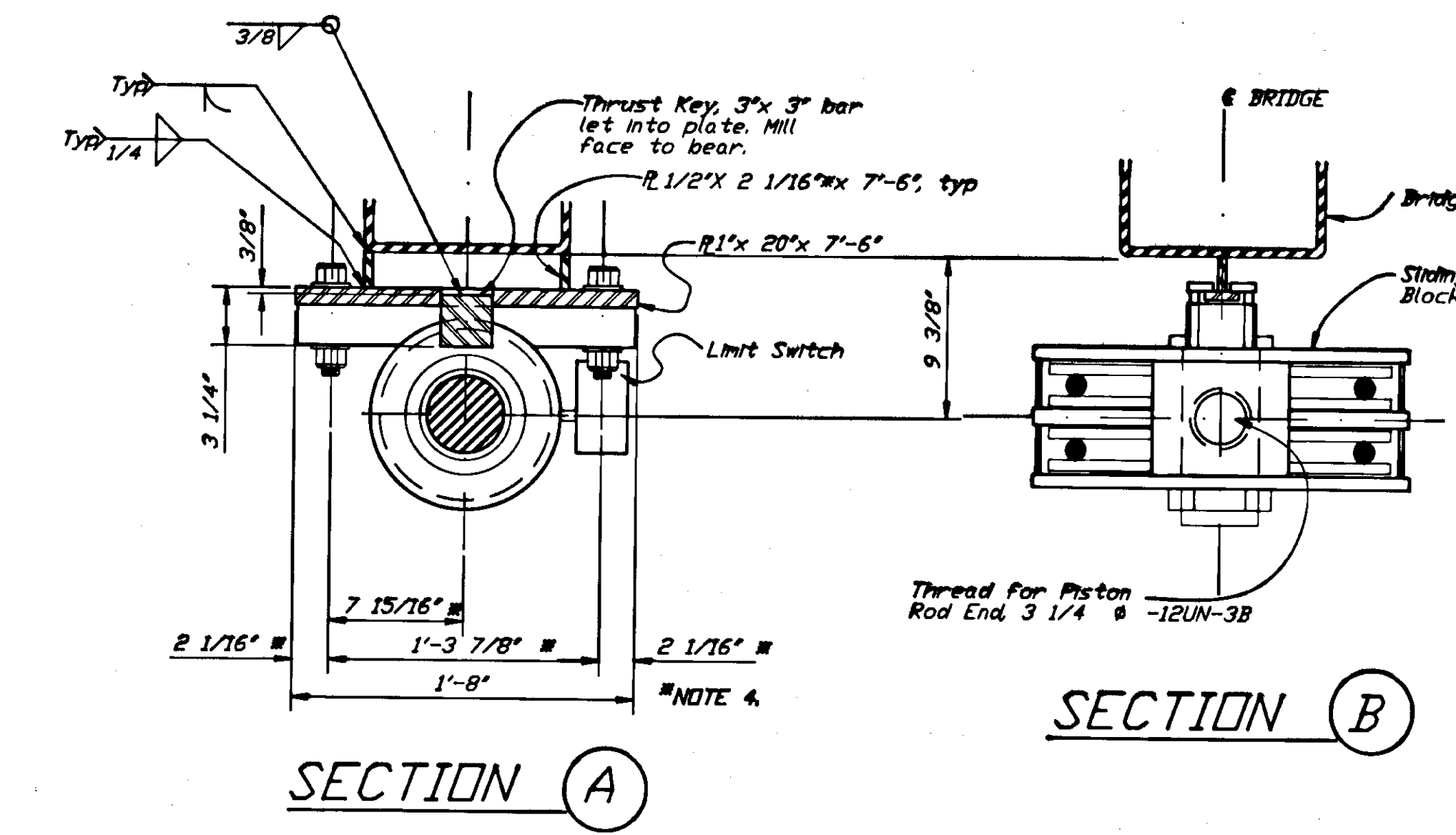
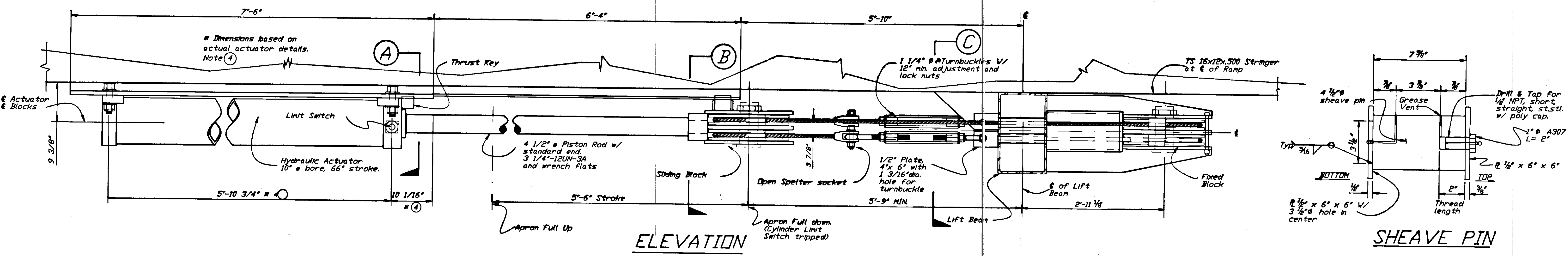
LOCK ASSEMBLY SLIDE SECTION B



INTERMEDIATE RAMP LOCK DETAIL 1

NOTE:
 1. Close all open ended pipe or tubing with 1/4" Rnd seal weld.
 2. Adjust Lock Weights at assembly to cause pin to lock automatically. No. of plates as required for adjustment.

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA			
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
AUKE BAY		ALASKA	
INTERMEDIATE RAMP LIFT BEAM LOCKING ASSEMBLY			
DESIGNED JS	CHECKED JL	DRAWN Geol	DATE
PROJECT NUMBER E-095-4 (16)	SHEET 47		DF

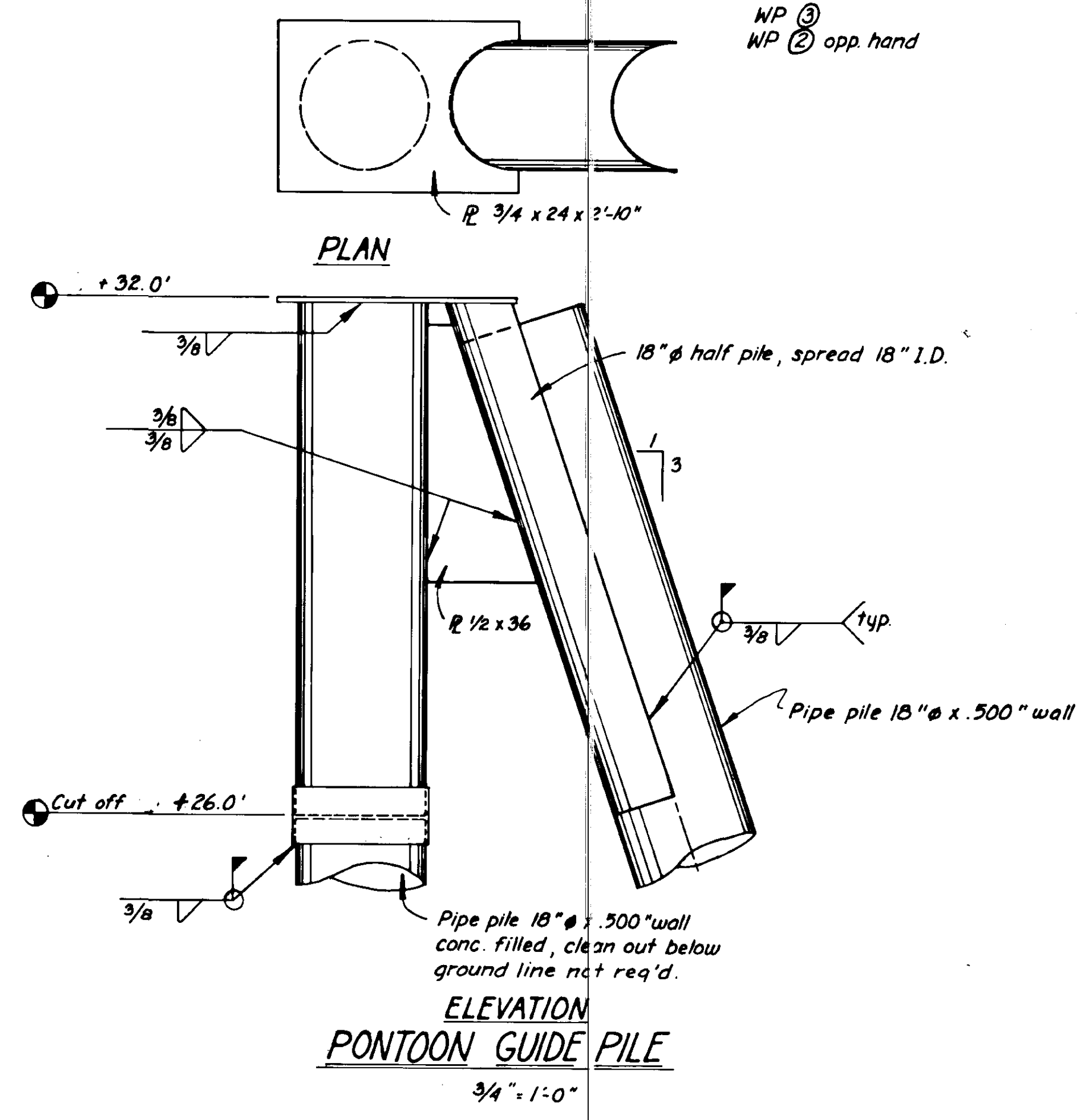
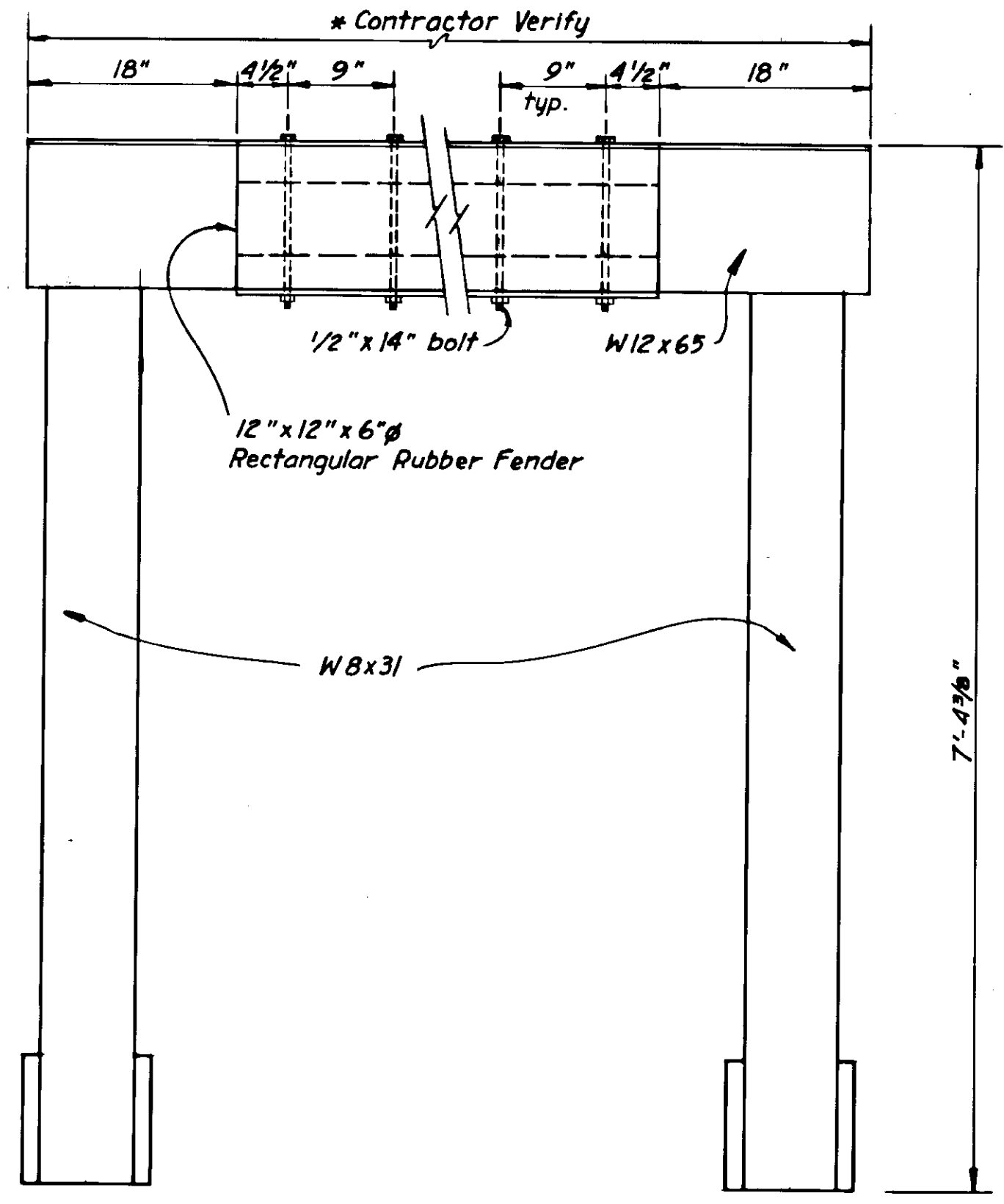
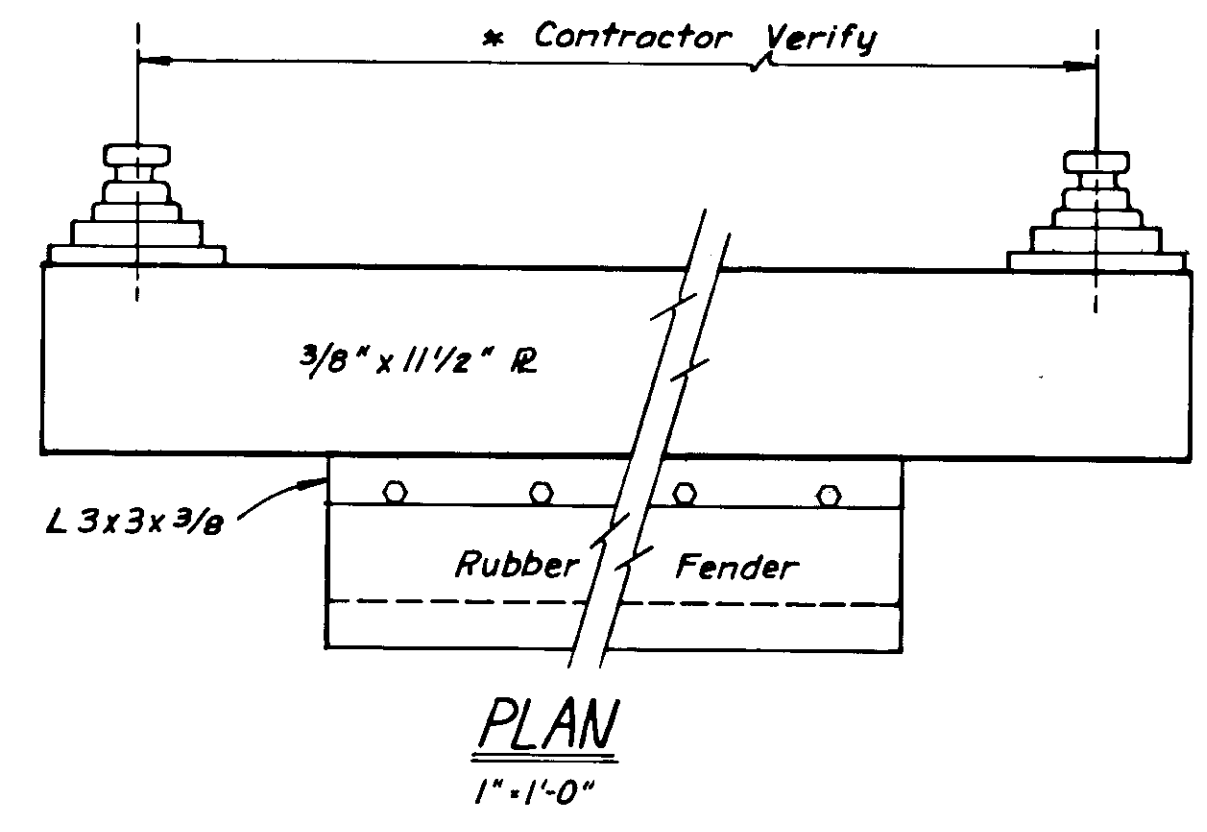
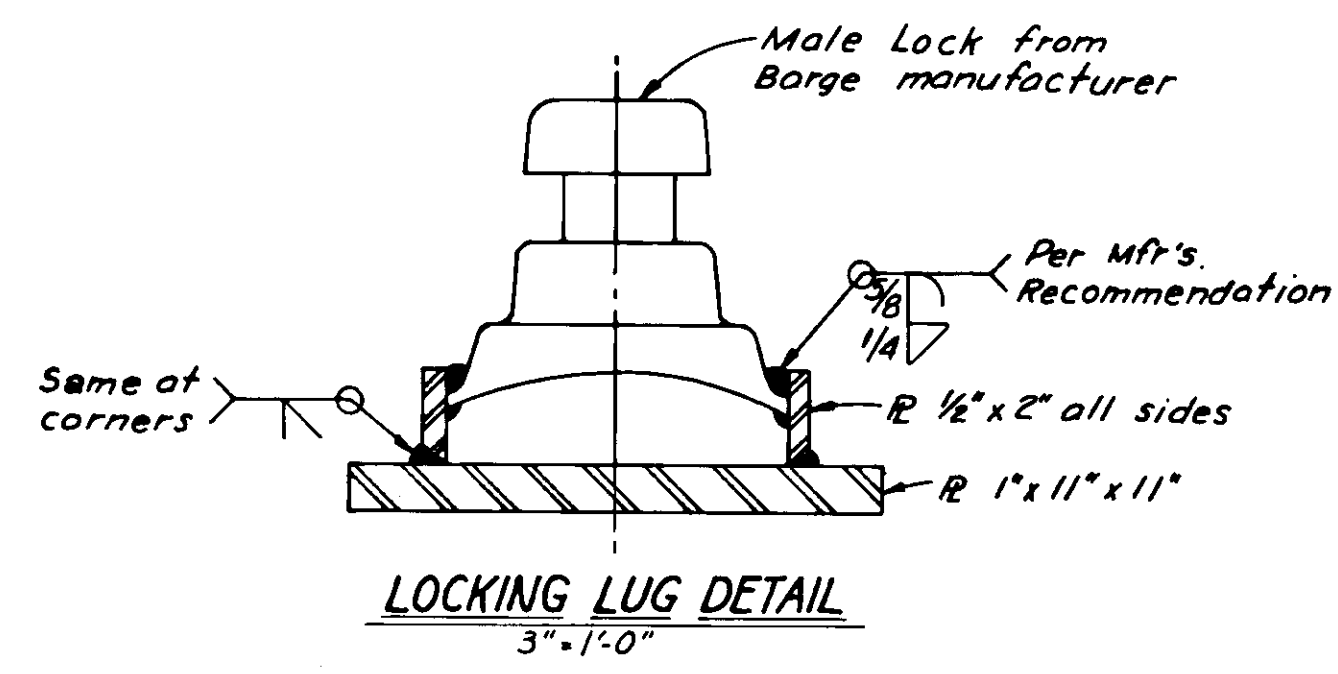
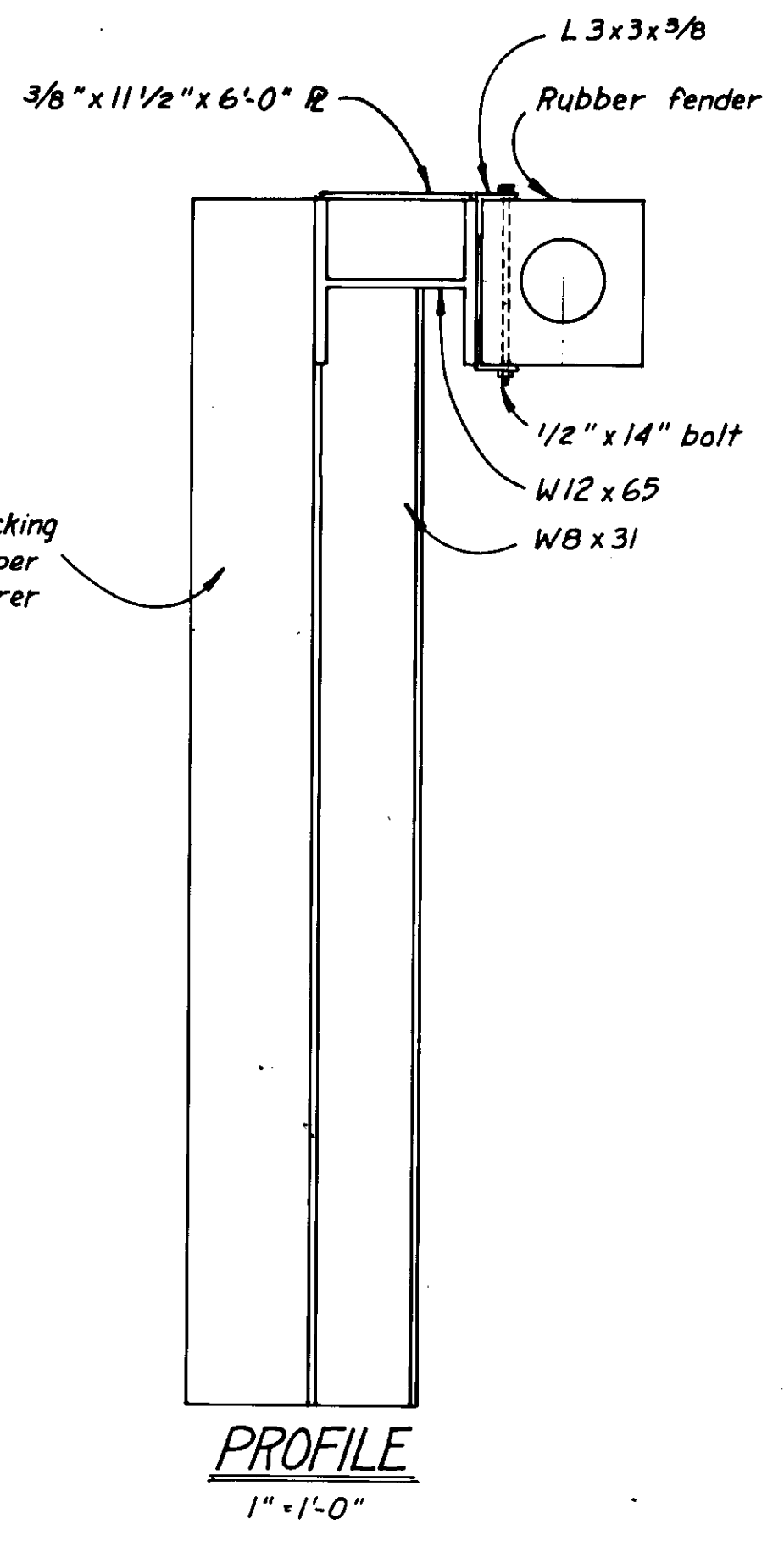


- NOTES:**
- All sheaves this sheet, Bronze bushed 20" O.D., 17" Tread, 2 3/4" Hub thickness, 4 1/2" # Shaft
 - Cable shall be 7/8" # -6x30 Flattened strand (long lay 1VRC core, breaking strength 35.4 tons) Grease subsequent to installation.
 - Provide 4 1/2" # sheave pins cross drilled ea. end for grease, w/ 1/8" NPT, short, straight, stainless steel grease fitting and polyethylene cap each end. See pin Detail above, this sheet
 - Design and Dimensions based on components listed. Contractor shall adjust as necessary to accommodate models used and shall provide all drawings and details required. See Section 302-2.01

PROJ.NO. STP-093-3(7) / 75265
AS-BUILT INFO. SHEET 26 OF 39

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES					
AUK BAY			ALASKA		
APRON MECHANICAL DETAILS					
DESIGNED JS	CHECKED JAL	DRAWN Geol	DATE		
PROJECT NUMBER	-E-095-1(16)-		SHEET	26	OF

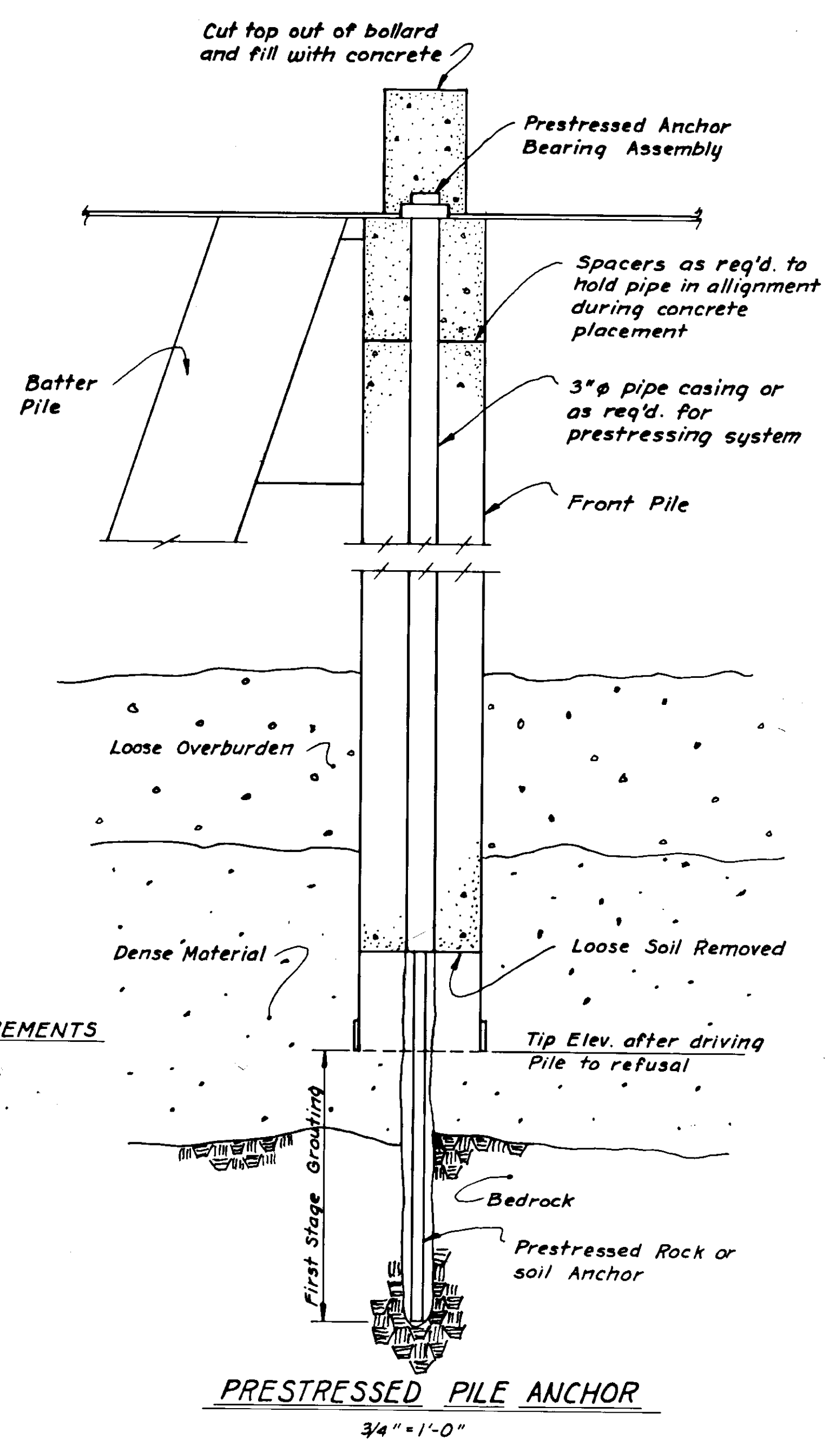
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-093-2(2)	1980	37	48



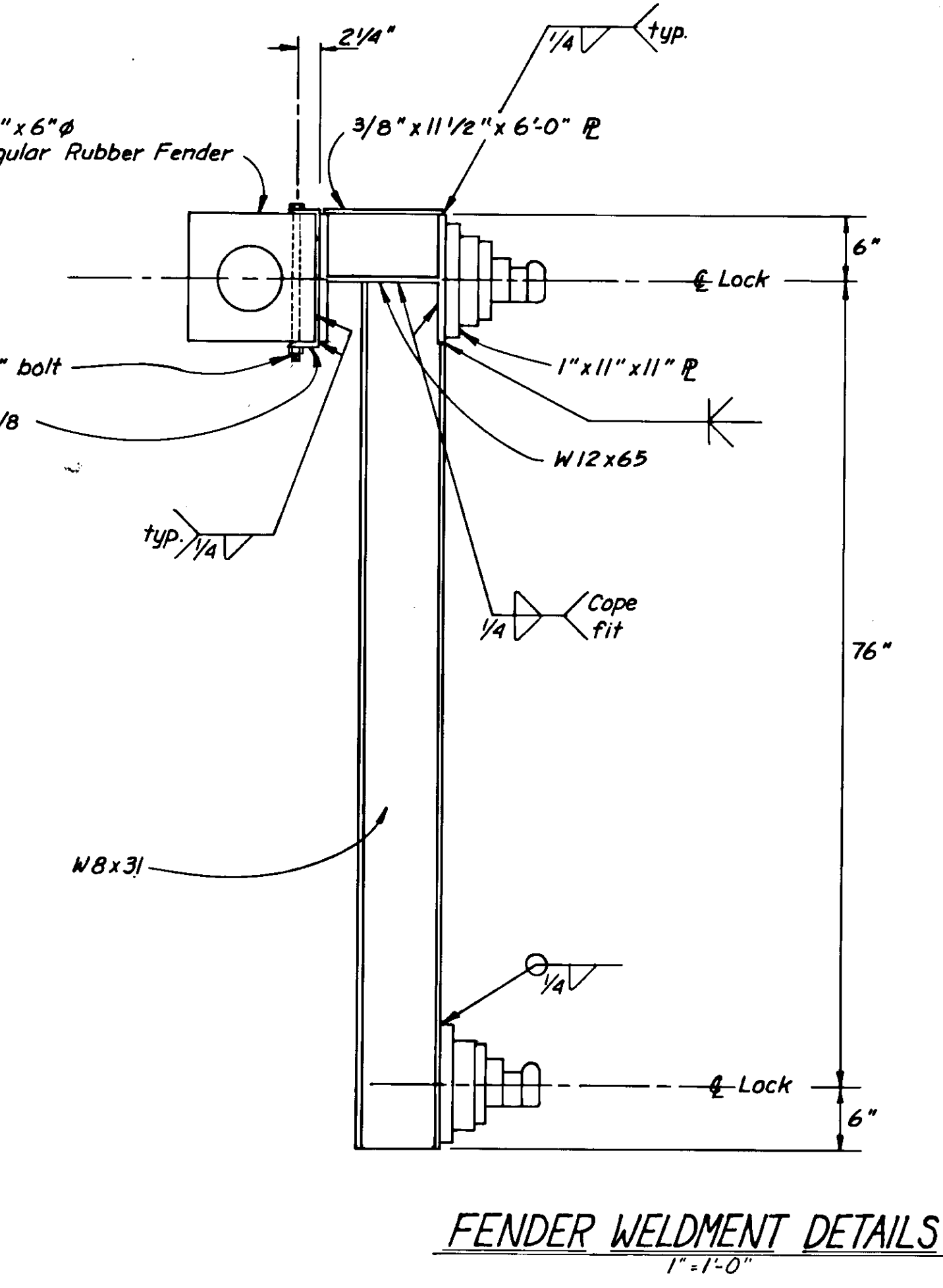
PILE LOAD RESISTANCE REQUIREMENTS

Front Piles - Front Piles are designed for a working load of 100 tons uplift.

Estimated tip elevation Varies
Estimated penetration 60'



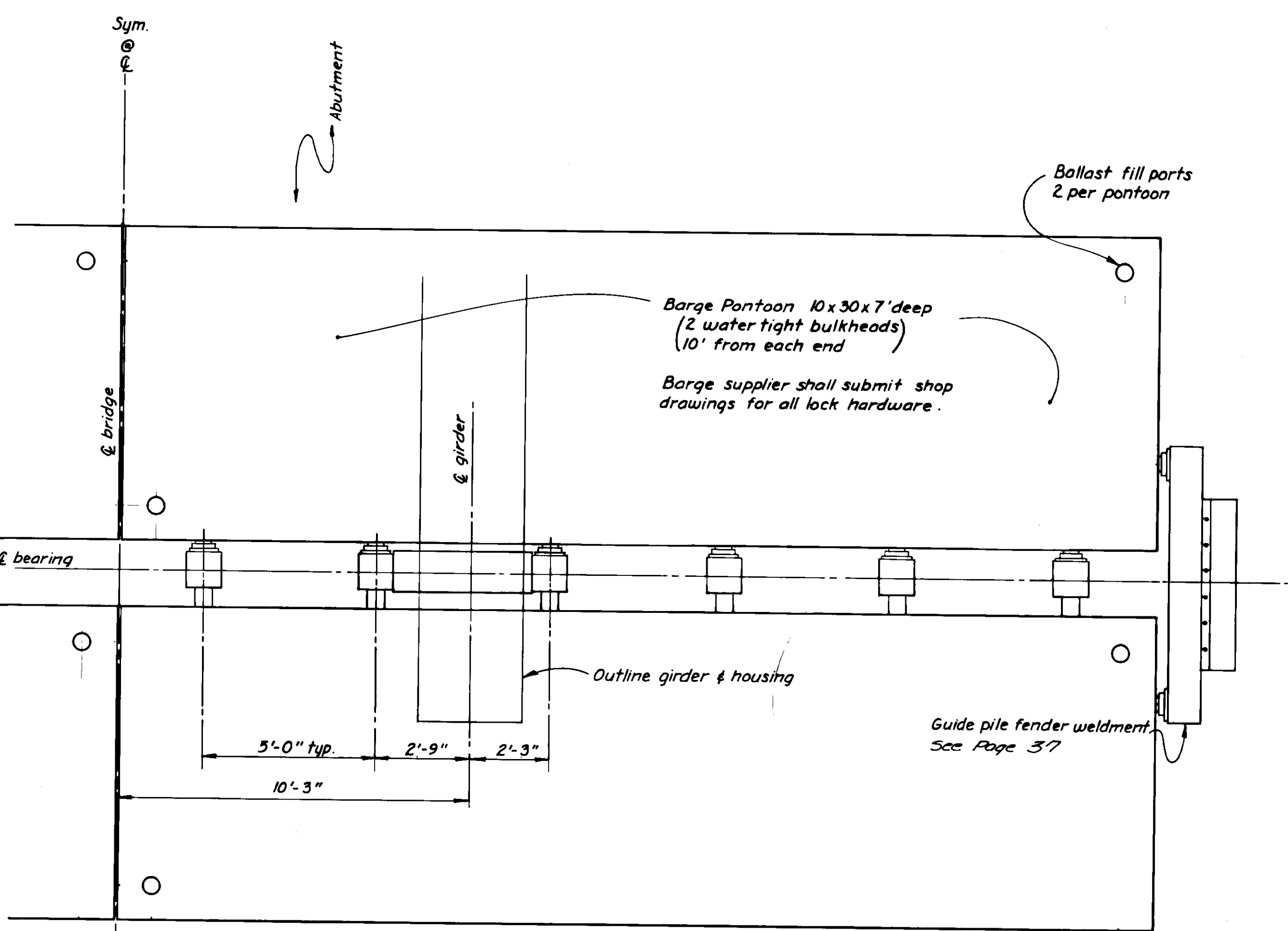
- Note: 1. Prestressed Anchor shall be used only when directed by the engineer. It may be req'd. in accordance with section 505.
- 2. Guide Piles to be driven after locating barge. Fill vertical guide pile with class A concrete.



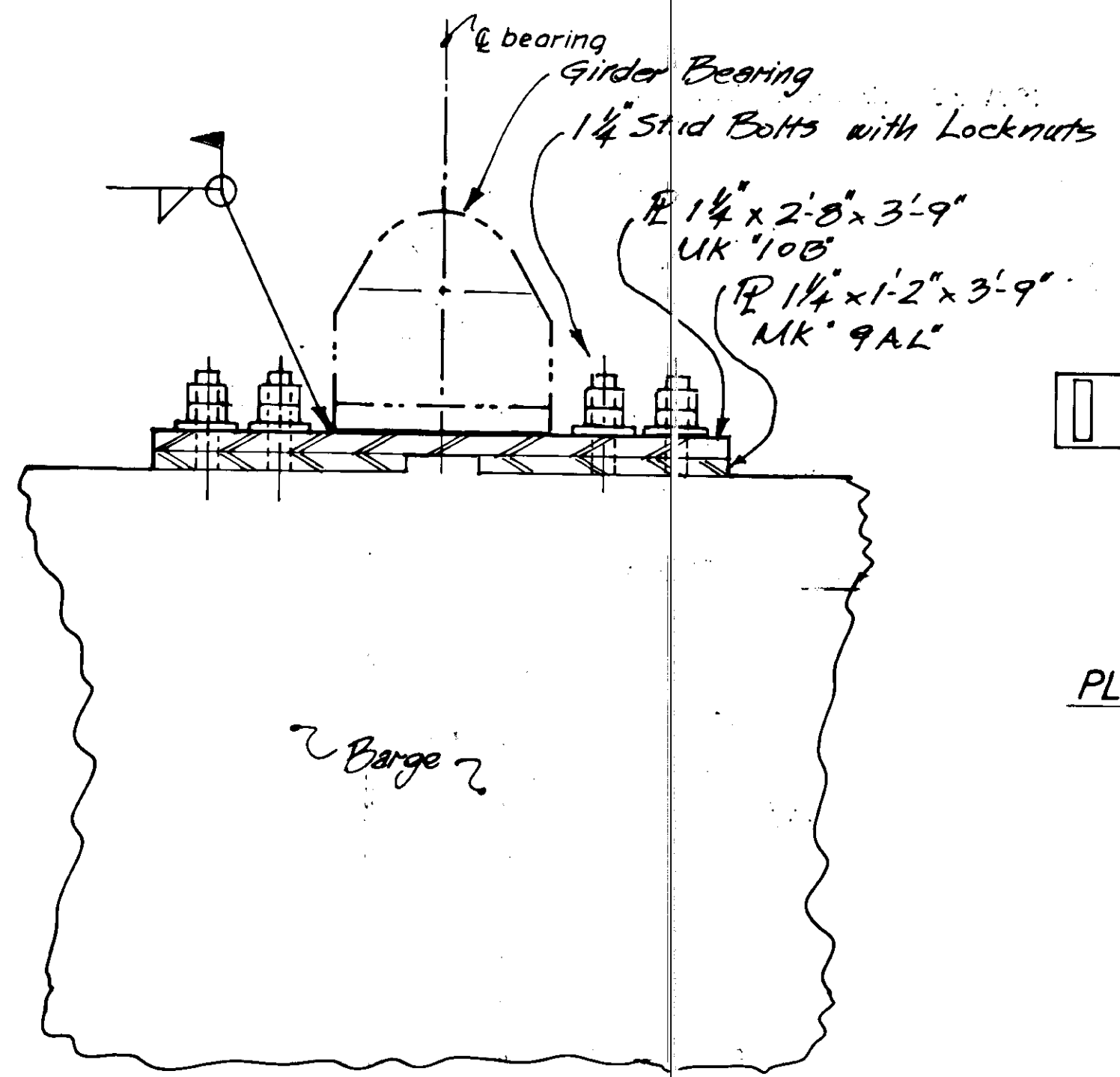
PROJECT NO. STP-093-3(7) / 75265
AS-BUILT INFO. SHEET 28 OF 39

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DIVISION OF HARBOR DESIGN AND CONSTRUCTION	
		GUIDE PILE DETAILS	
SCALE DESIGNED <i>HM</i> CHECKED	SURVEYED DRAWN <i>TS</i> DATE <i>Jan 80</i>	APPROVED <i>Robert P. Beck</i> CHIEF OF DESIGN	
PROJECT NUMBER <i>F-093-2(2)</i>		SHEET _____ OF _____	

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-093-2(2)	1980	38	48

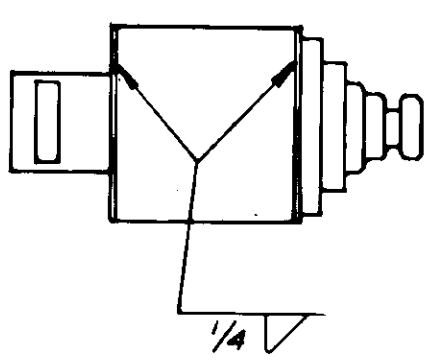


BARGE PARTIAL PLAN
3/8" = 1'-0"

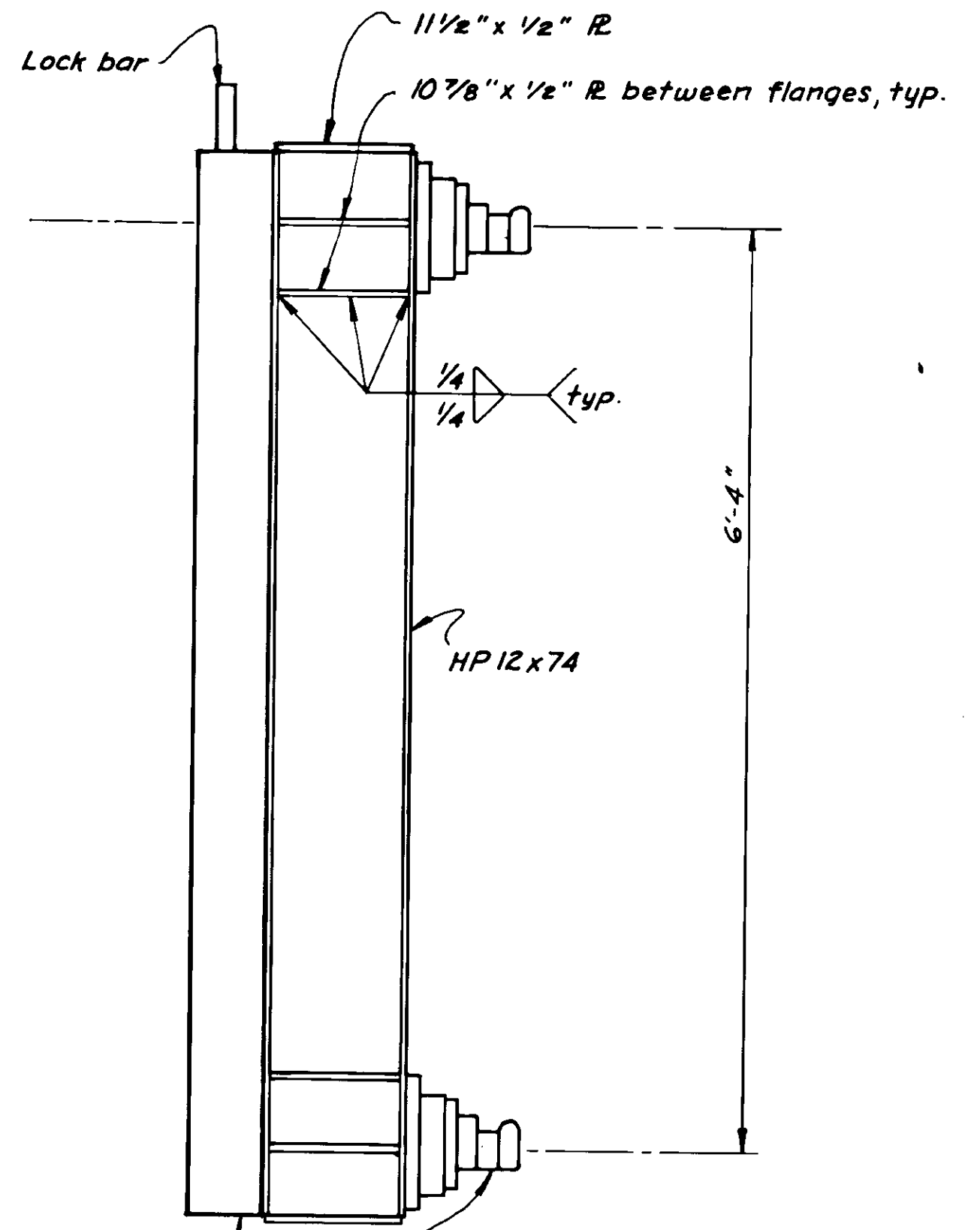


AS-BUILT
SECTION 1

Ballast : Freshwater Tank 4255 Total 17,020 +
Ethylene glycol 825 gal. 3300 gal.
* Add water as req'd. to obtain 2'-0" ± freeboard

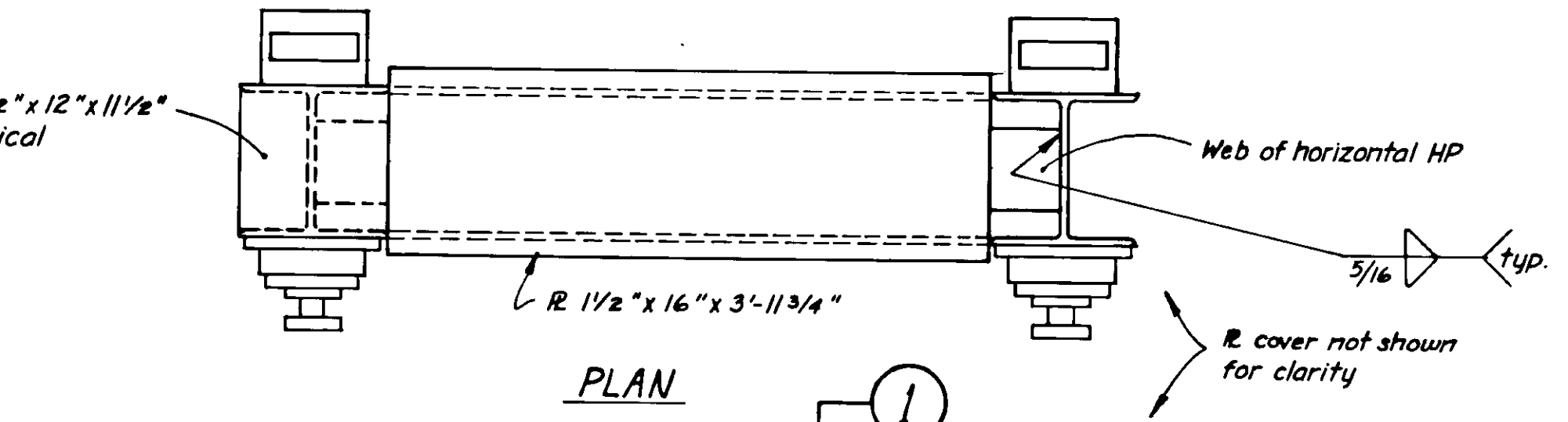


PLAN

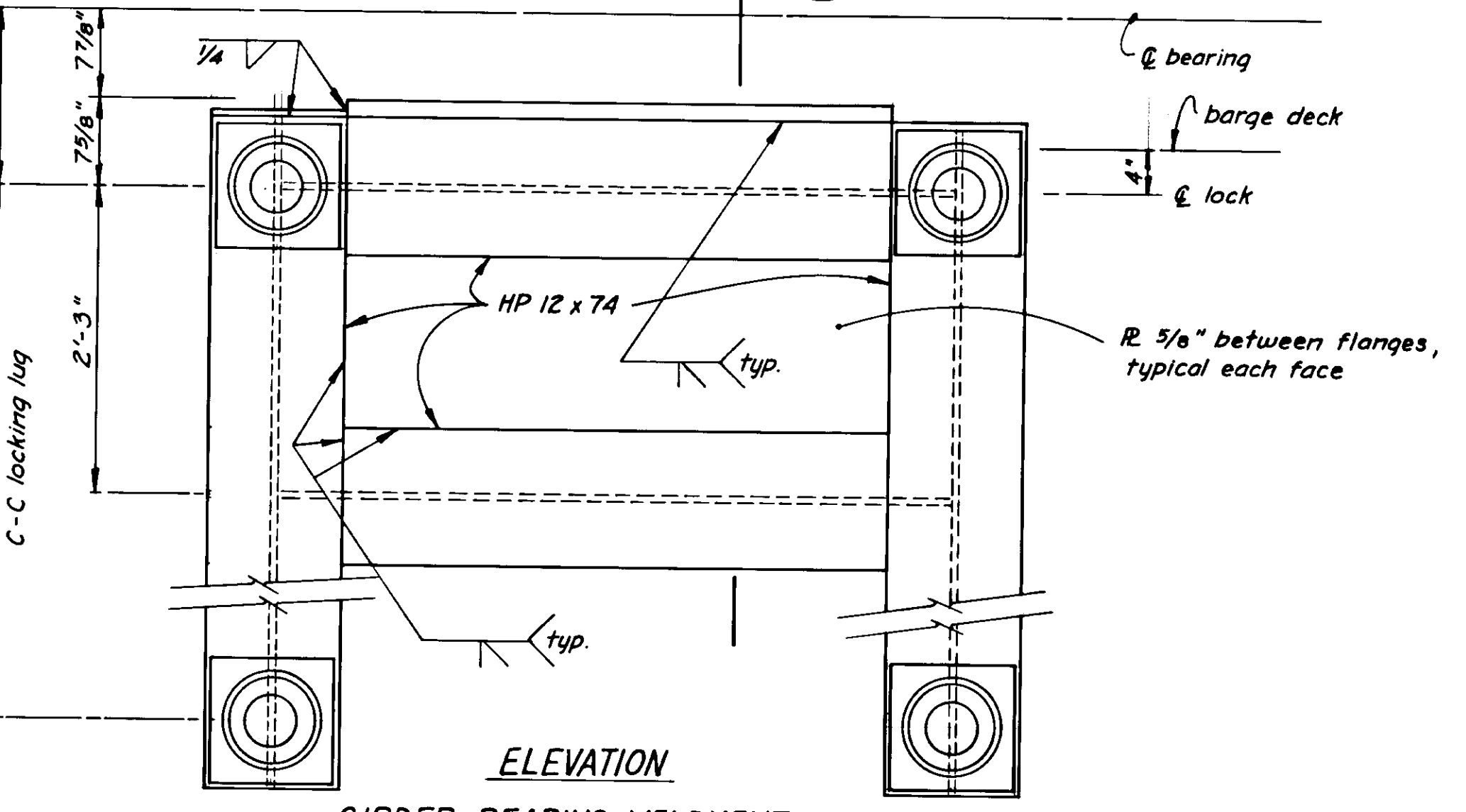


PROFILE

BARGE LOCK WELDMENT
1" = 1'-0"



PLAN

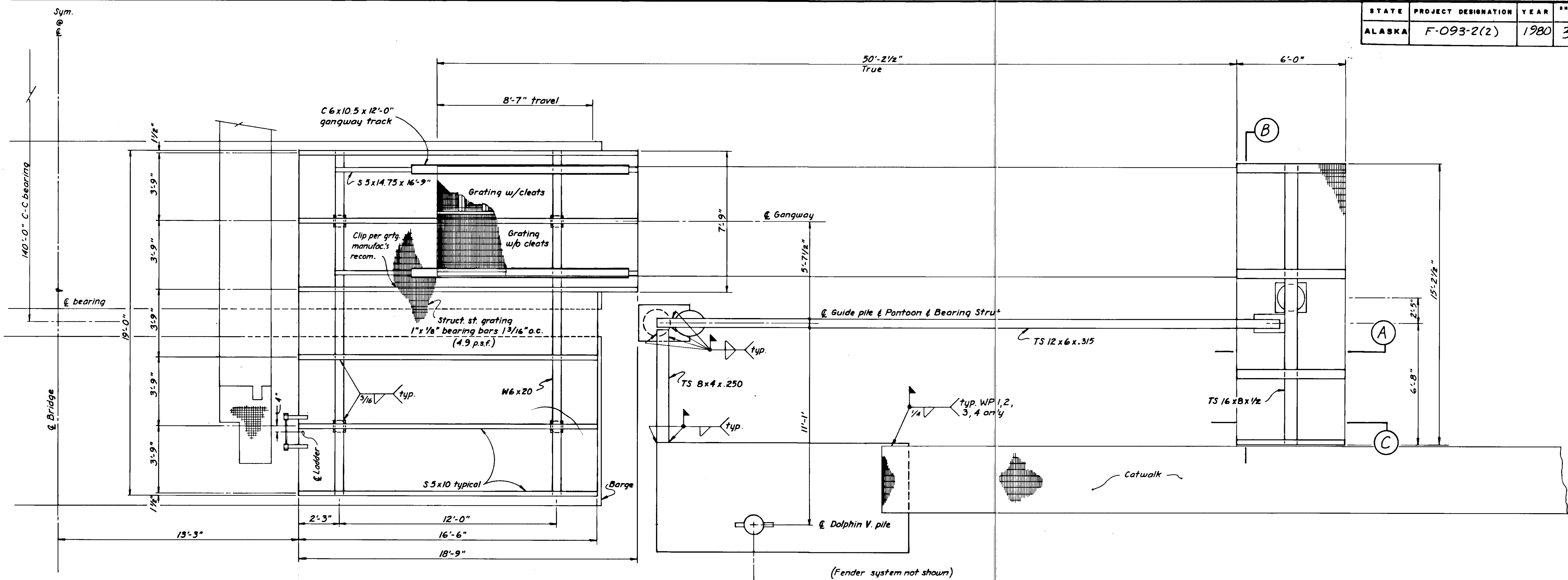


ELEVATION
GIRDER BEARING WELDMENT
1" = 1'-0"

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DIVISION OF HARBOR DESIGN AND CONSTRUCTION			
BARGE, BRIDGE WELDMENTS			
SCALE <i>As Noted</i>	SURVEYED <i>TS</i>	APPROVED Robert P. Beck CHIEF OF DESIGN	
DESIGNED <i>HM</i>	DRAWN <i>TS</i>		
CHECKED	DATE <i>3/80</i>		
PROJECT NUMBER <i>F-093-2(2)</i>	SHEET _____ OF _____		

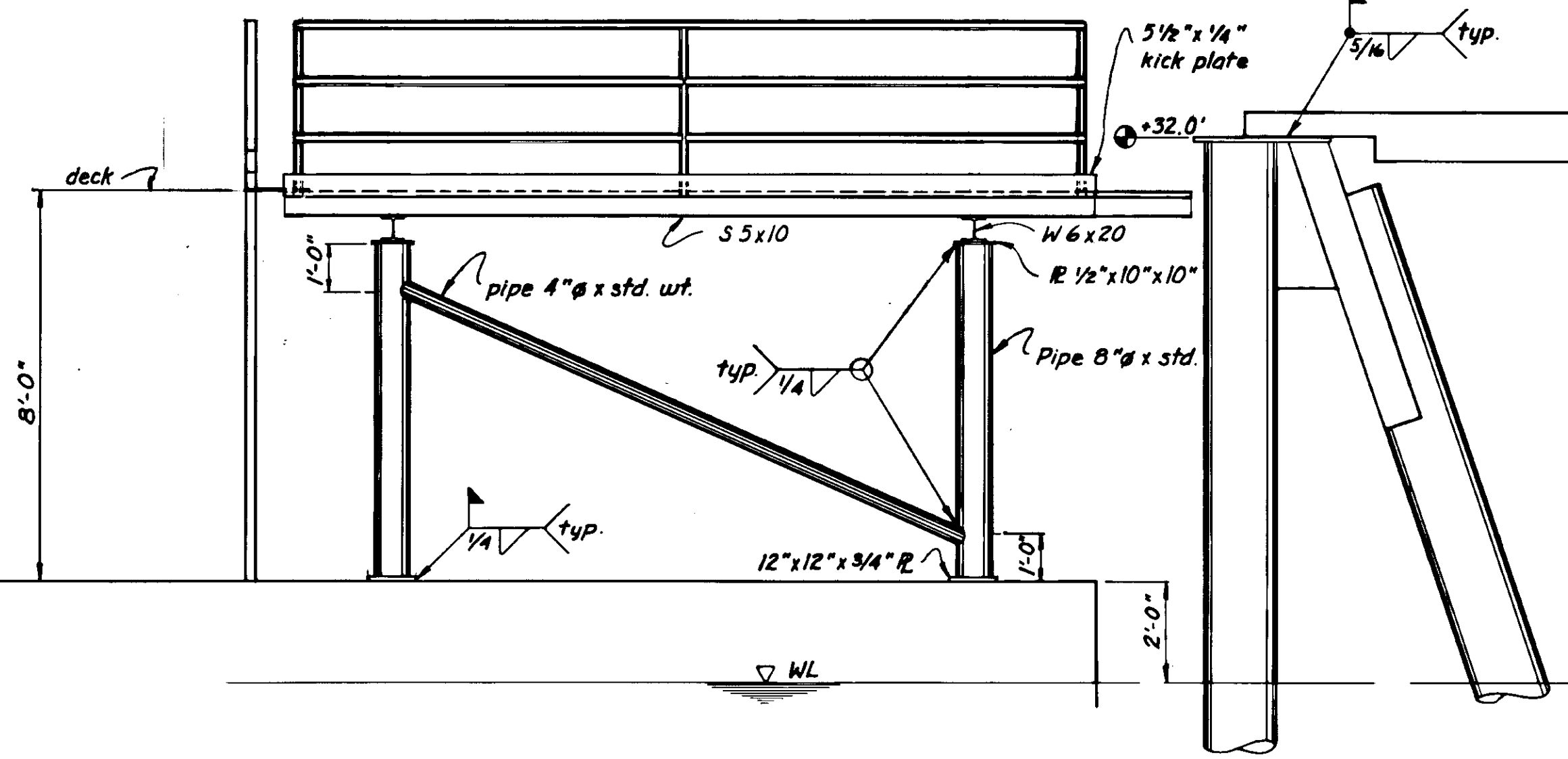
PROJECT NO. STP-093-3(7) / 75265
AS-BUILT INFO. SHEET 29 OF 39

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-093-2(2)	1980	39	4

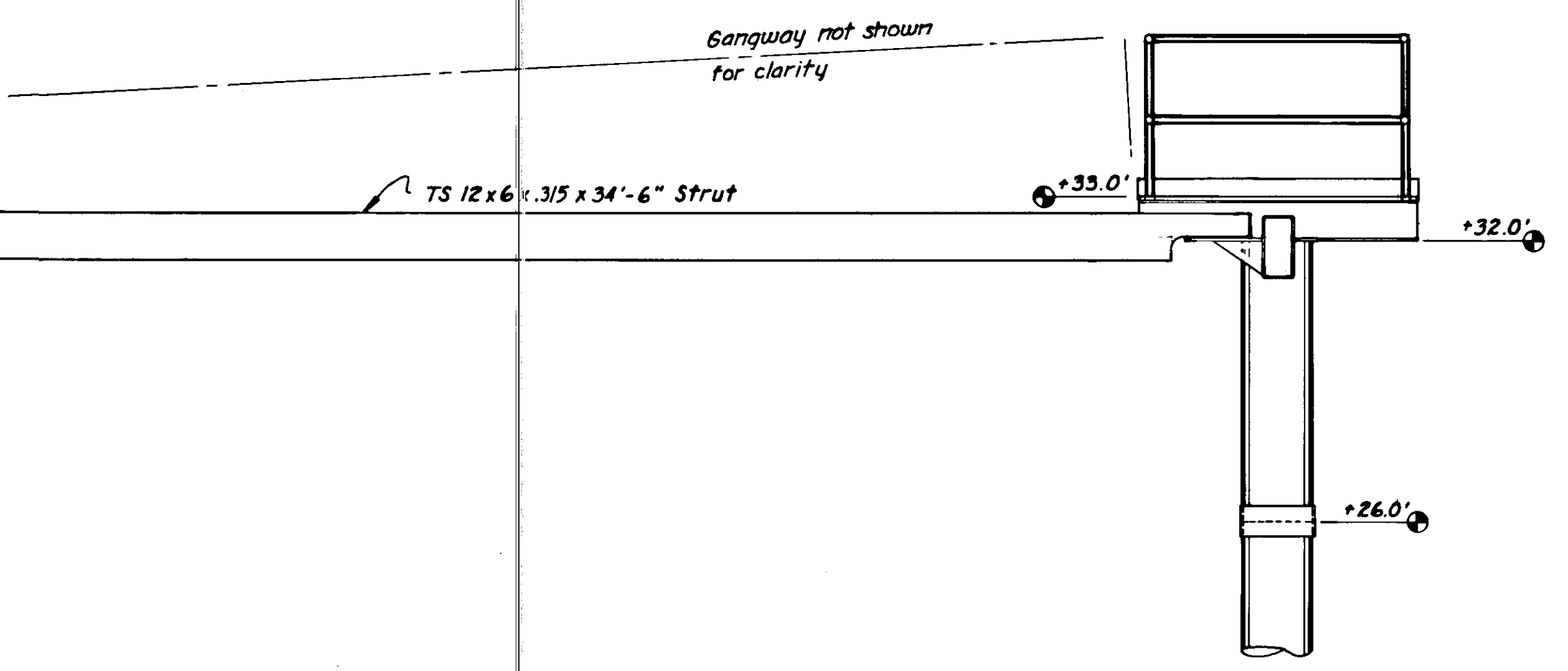


PLAN

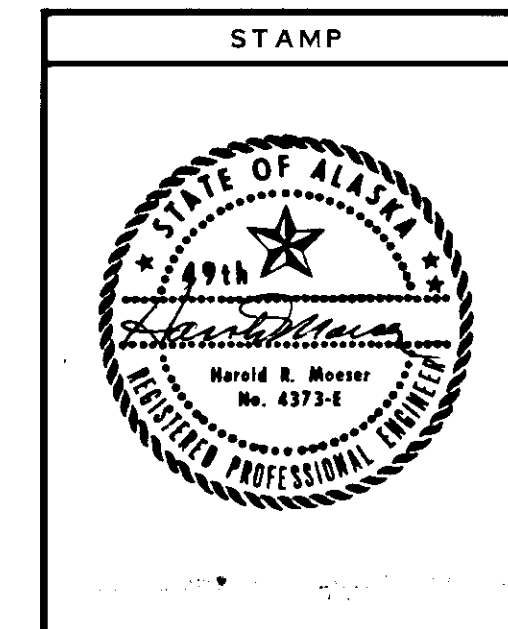
See ladder detail next sheet



ELEVATION

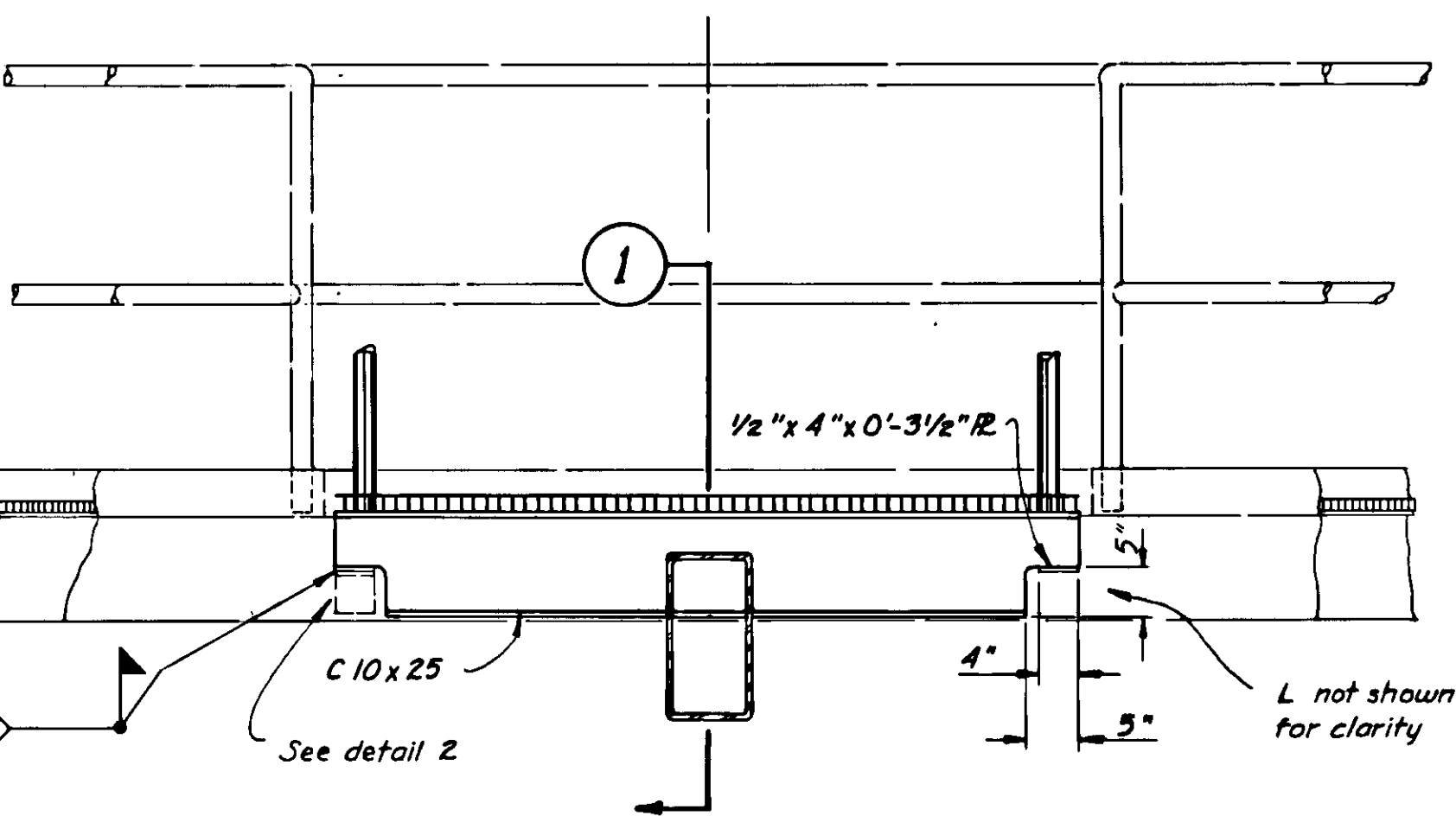


PROJECT NO. STP-093-3(7) / 75265
AS-BUILT INFO. SHEET 30 OF 39

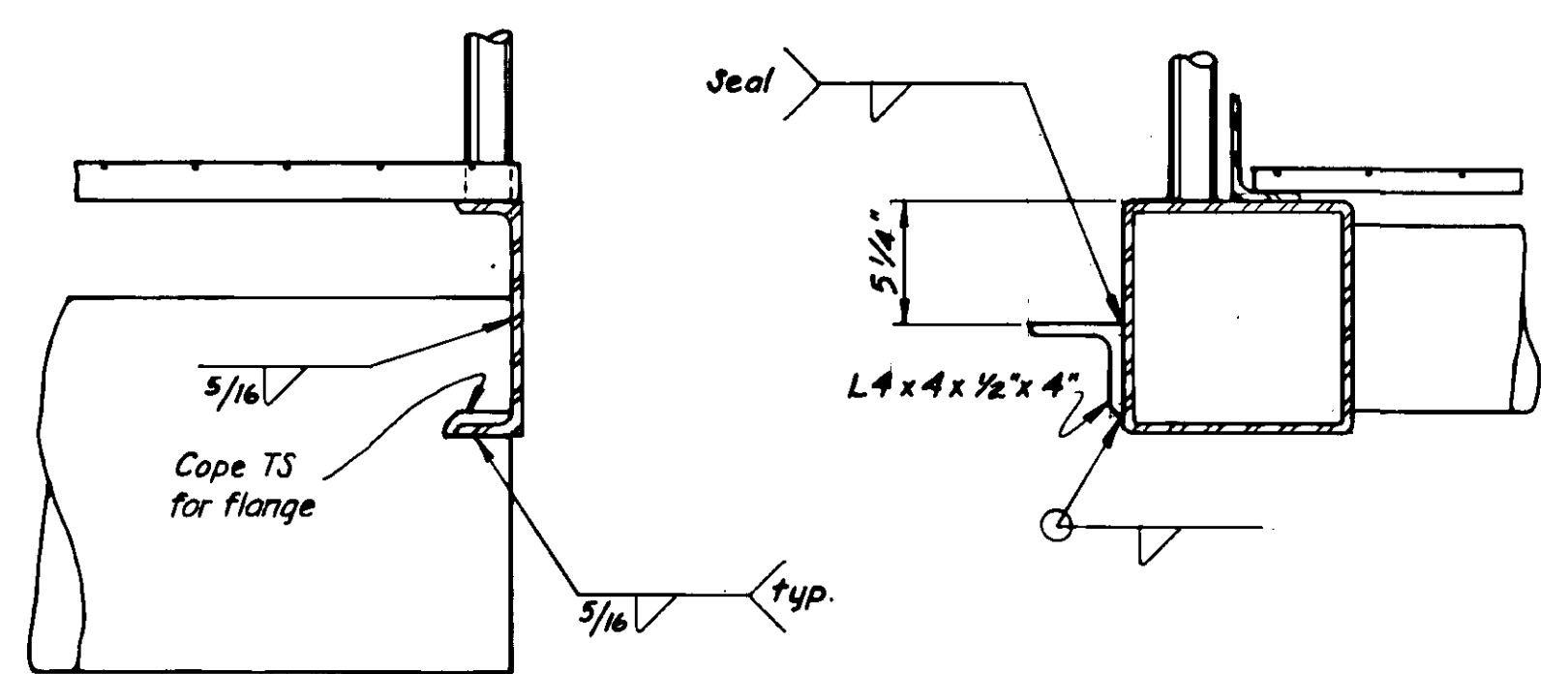


DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DIVISION OF HARBOR DESIGN AND CONSTRUCTION	
BARGE PLATFORM & GANGWAY LANDINGS	
SCALE 3/8" = 1'-0"	SURVEYED
DESIGNED HM	DRAWN TS
CHECKED	DATE 3/80
PROJECT NUMBER F-093-2(2)	APPROVED Robert P. Beck CHIEF OF DESIGN
SHEET	OF

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-093-2(2)	1980	41	48

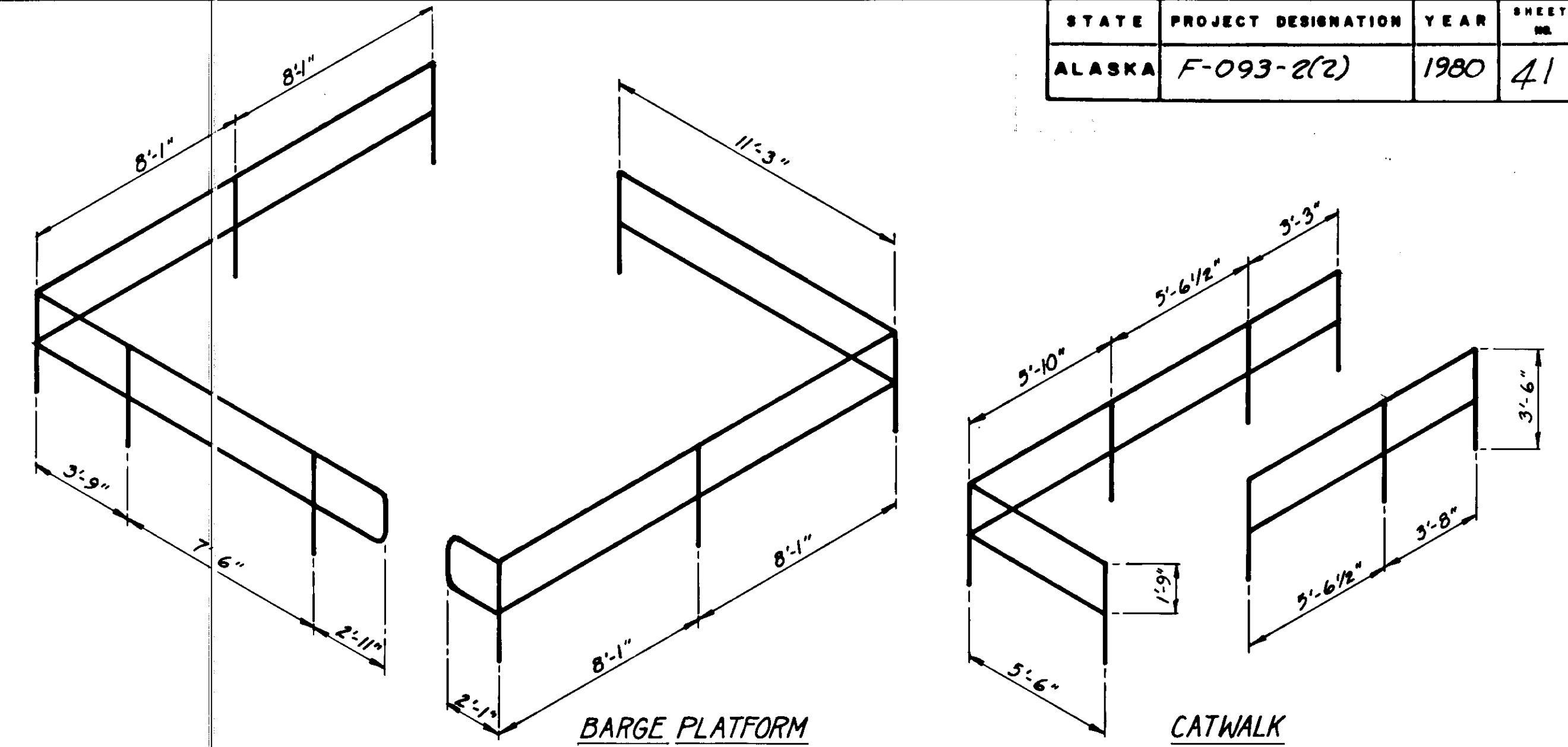


(C) SECTION
3/4" = 1'-0"

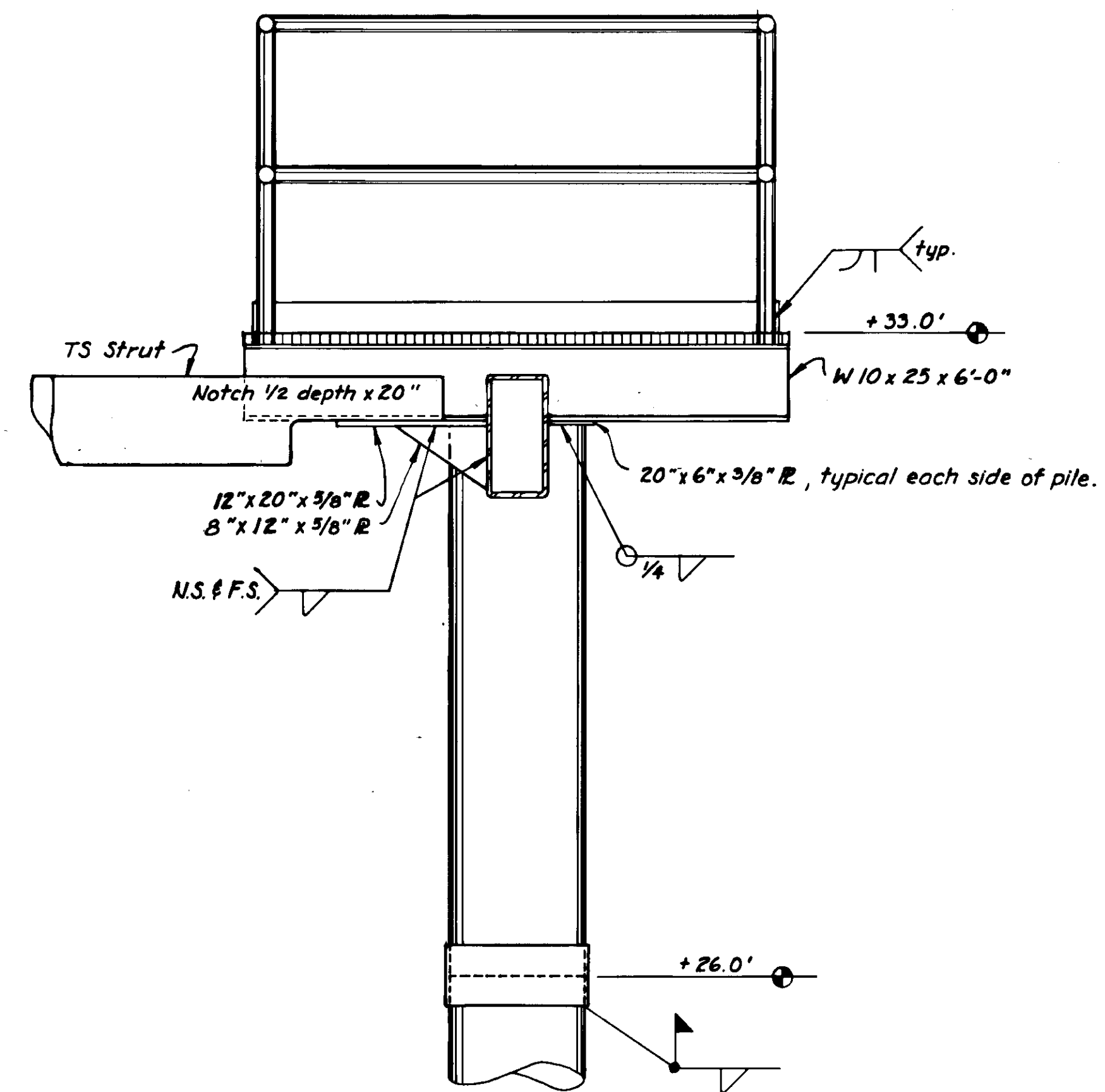


(2) DETAIL
1 1/2" = 1'-0"

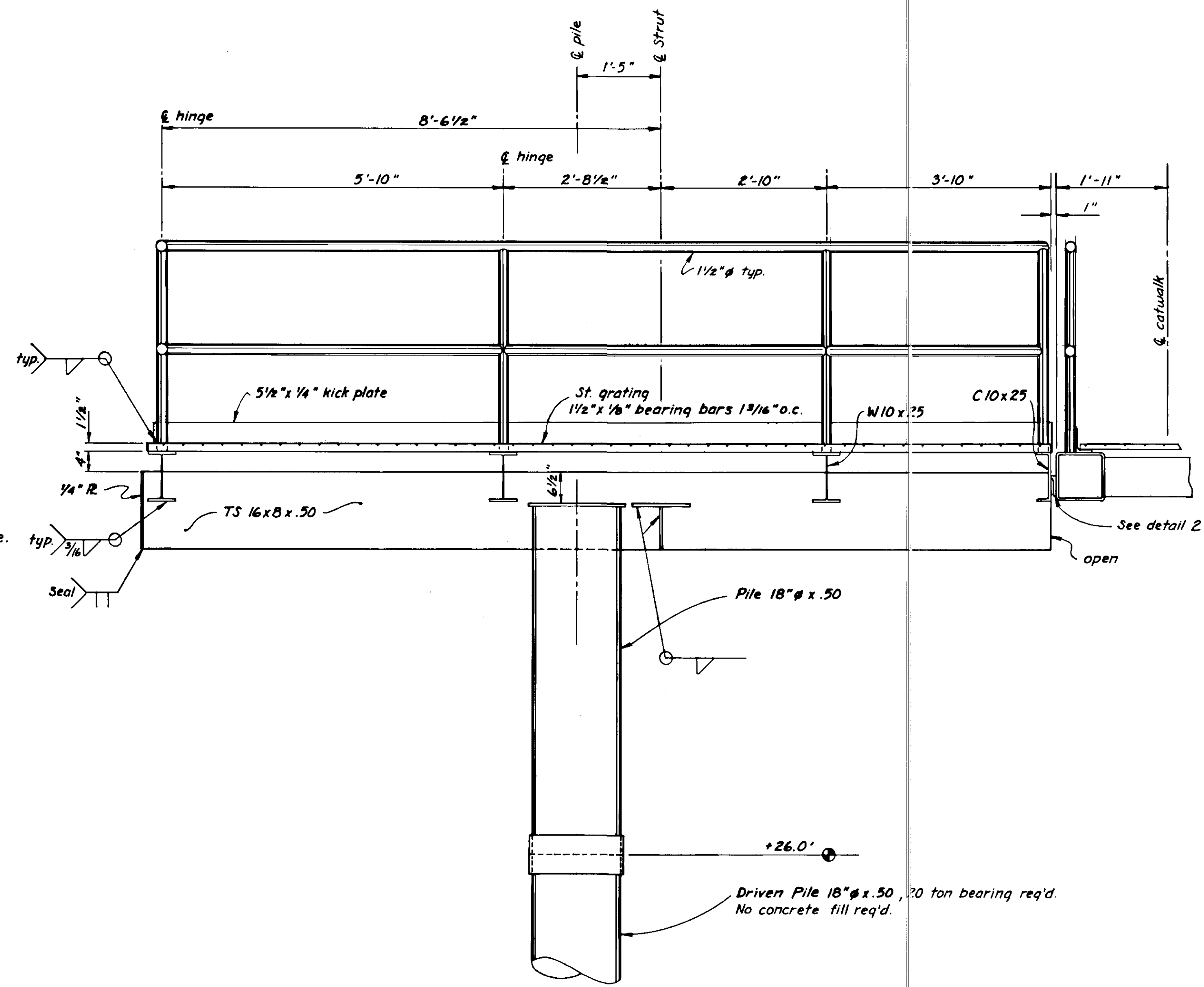
(1) DETAIL
1 1/2" = 1'-0"



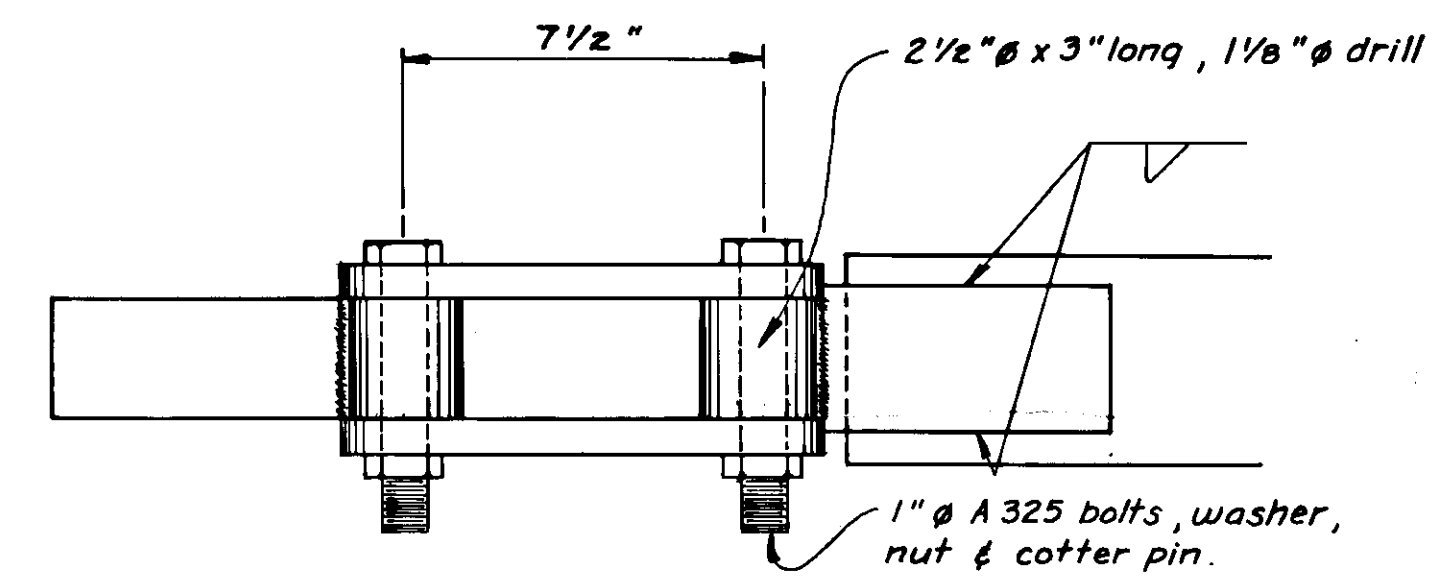
HANDRAIL & POST LAYOUTS
1/4" = 1'-0"



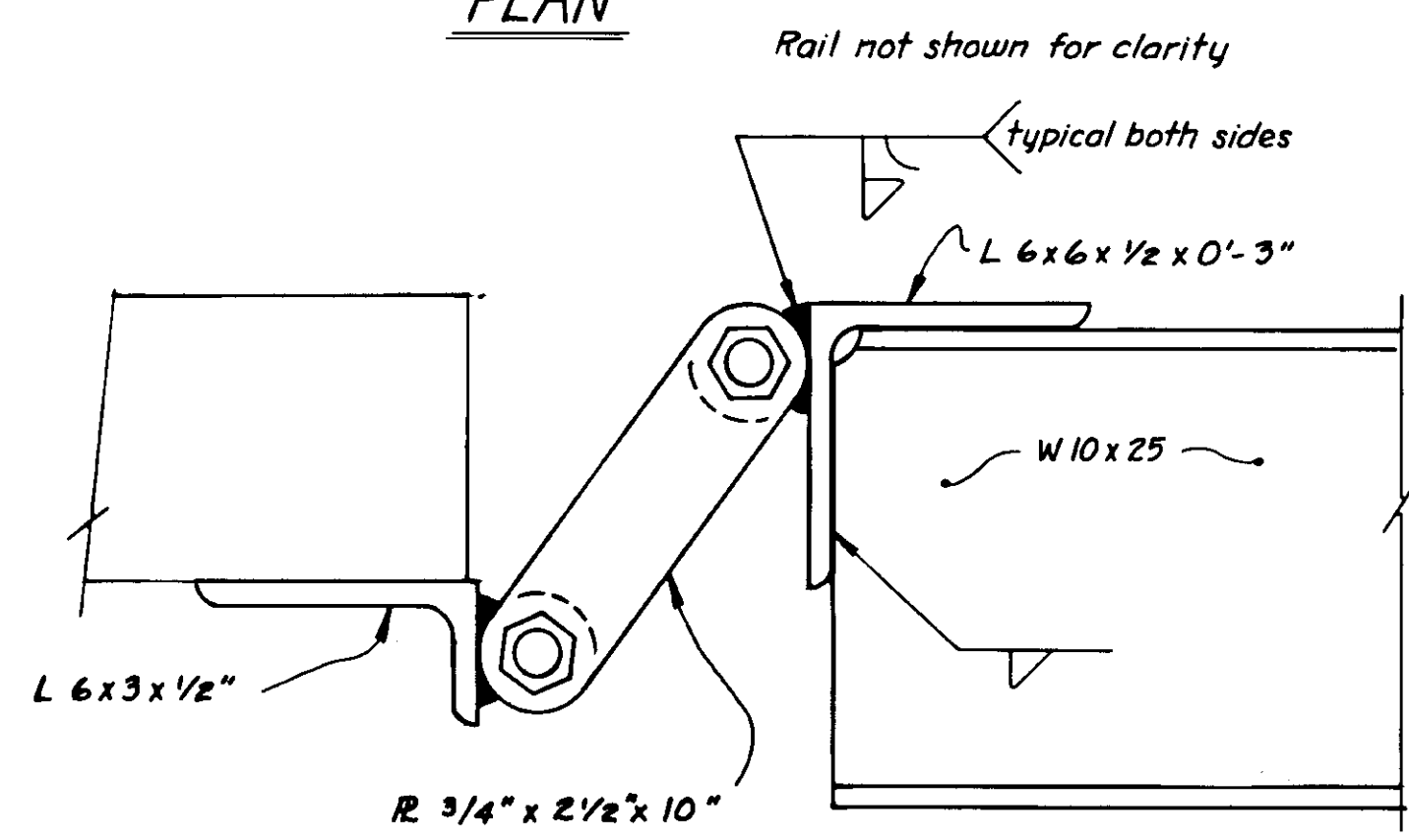
(A) SECTION
3/4" = 1'-0"



(B) SECTION
3/4" = 1'-0"

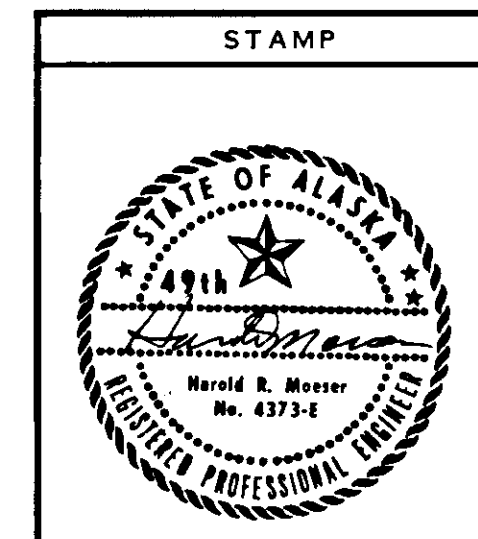


PLAN

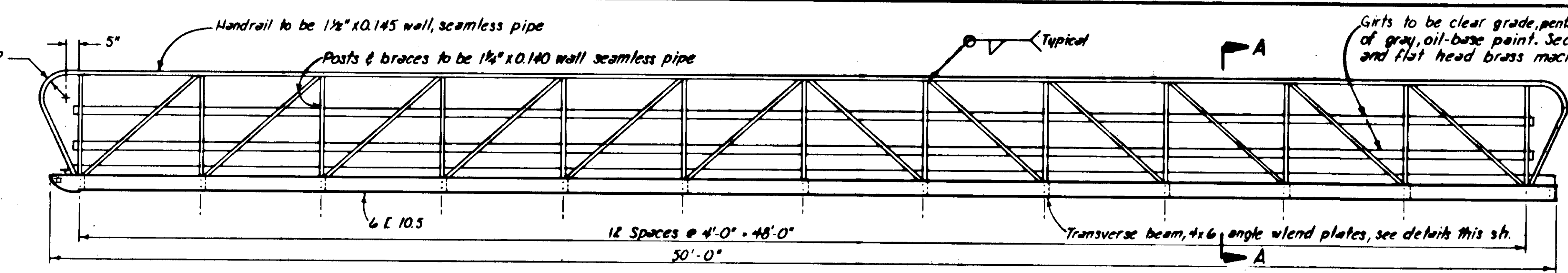


GANGWAY HANGER

PROJECT NO. STP-093-3(7) / 75265
AS-BUILT INFO. SHEET 31 OF 39



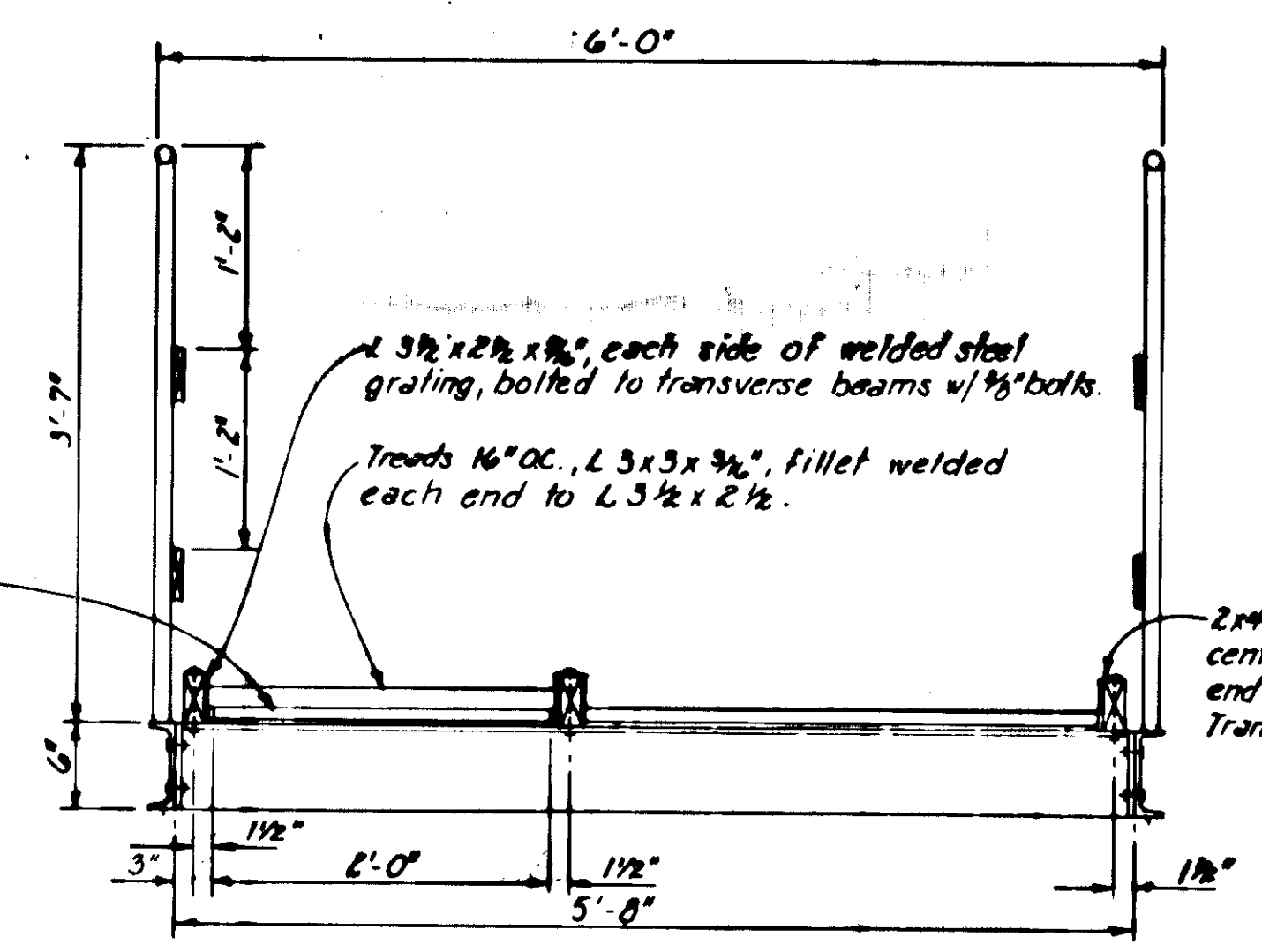
DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DIVISION OF HARBOR DESIGN AND CONSTRUCTION			
GANGWAY LANDING DETAILS			
SCALE: As Noted	SURVEYED:	APPROVED:	
DESIGNED: HM	DRAWN: TS	Robert P. Beck	
CHECKED:	DATE: 3/80	CHIEF OF DESIGN	
PROJECT NUMBER: F-093-2(2)	SHEET _____ OF _____		



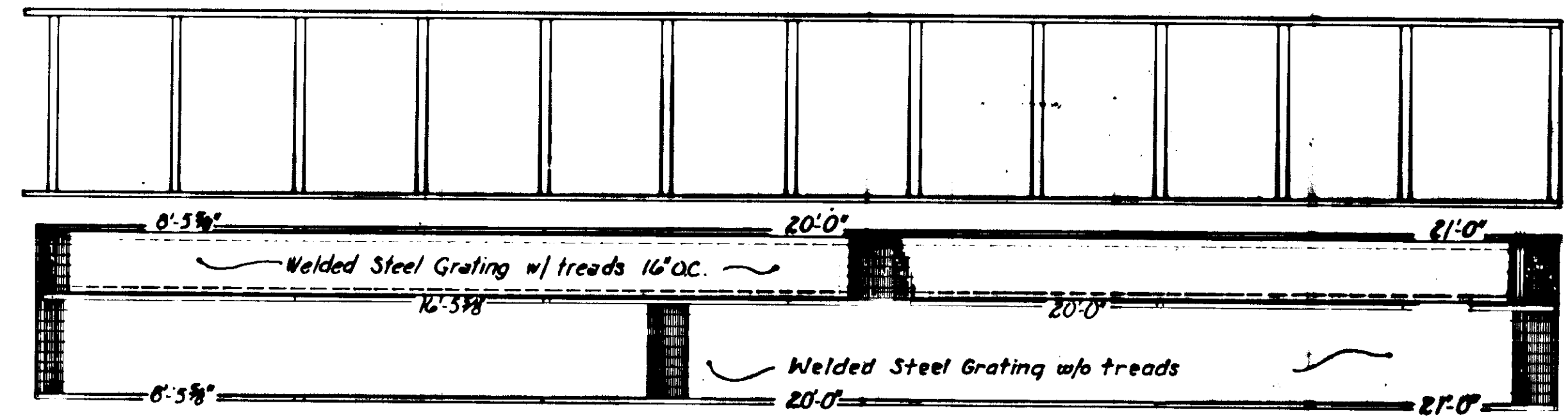
ELEVATION
3/8" = 1'-0"

Girts to be clear grade, penta treated, Douglas Fir, S4S, 1x4. Paint with 2-coats of gray, oil-base paint. Secure to posts & braces w/ 1/4" pipe clamps and flat head brass machine bolts.

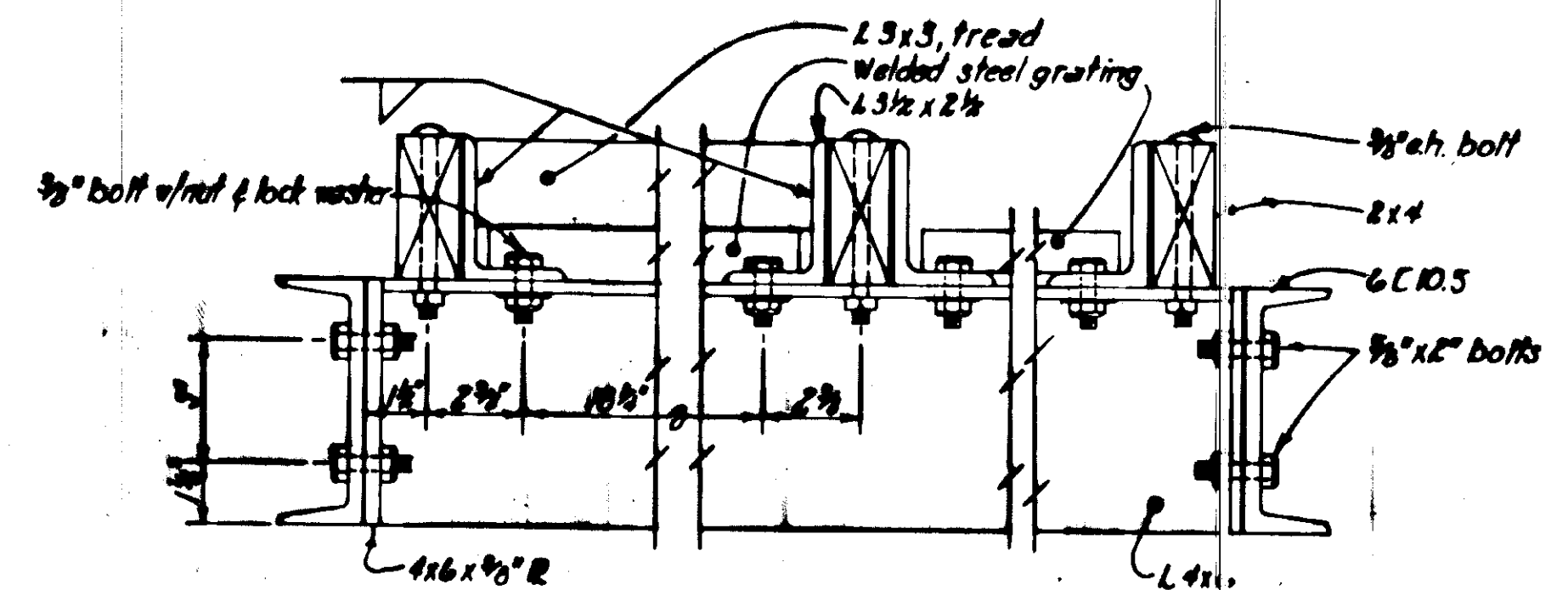
Welded steel grating w/ 1/4" x 1/2" bearing bars spaced at 1 1/2" centers and 1/2" cross bars spaced at 4" centers. Wearing surface of bearing and cross bars shall be serrated. The grating shall be hot dip galvanized. Every 4th bearing bar to be welded with 3/4" long fillet to L 3 1/2 x 2 1/2.



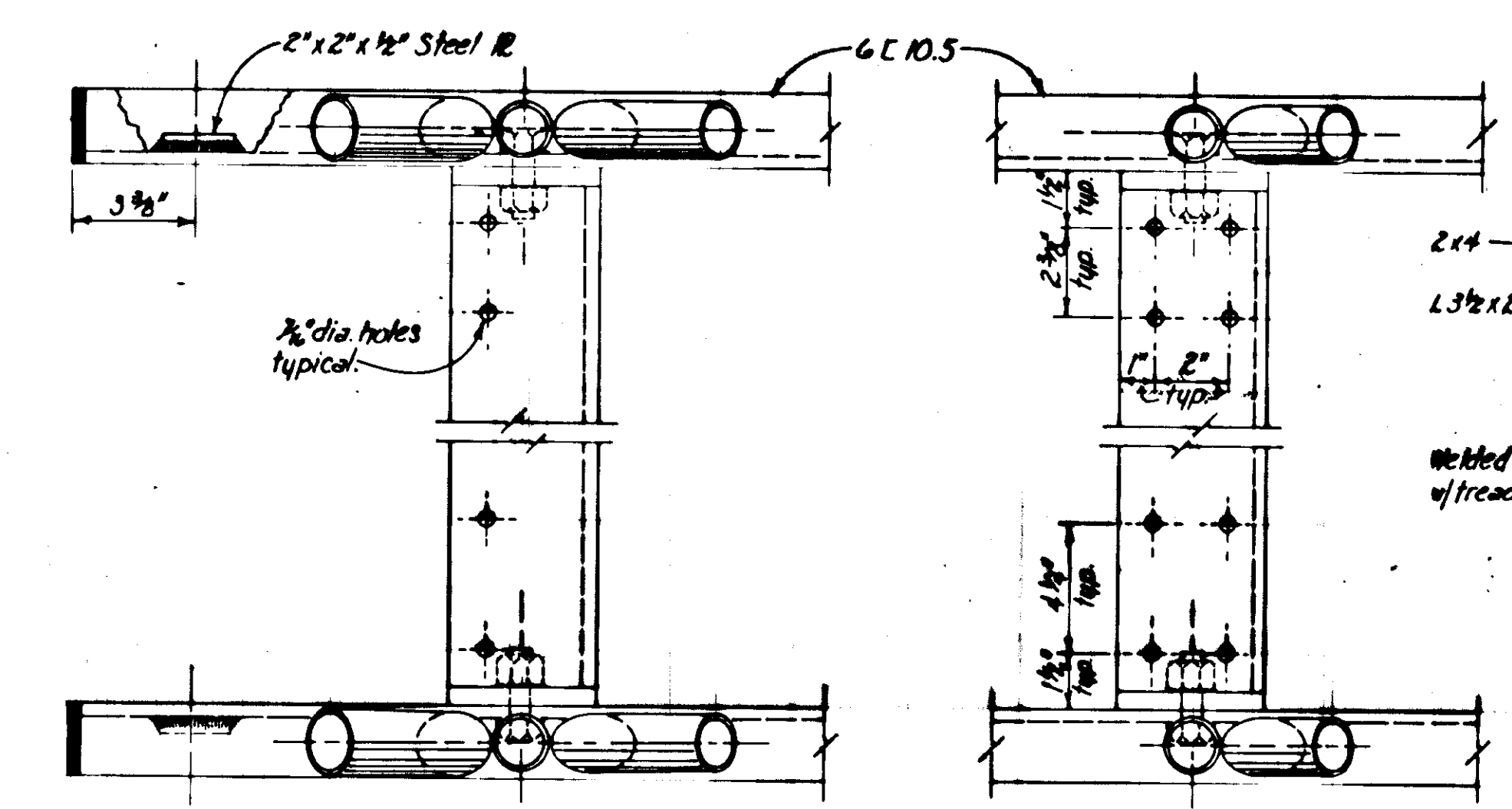
2x4 S4S, 3 places notch center 2x4 f.l. at upper end to accommodate Transition Plate.



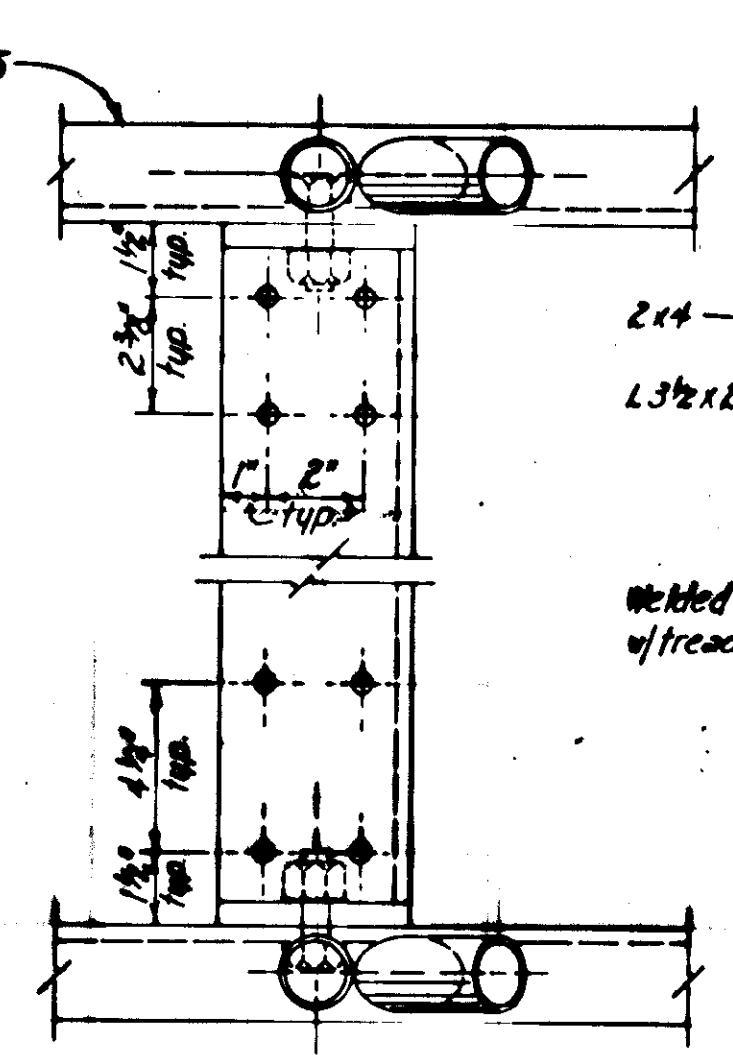
STRINGER & DECKING LAYOUT
1/4" = 1'-0"



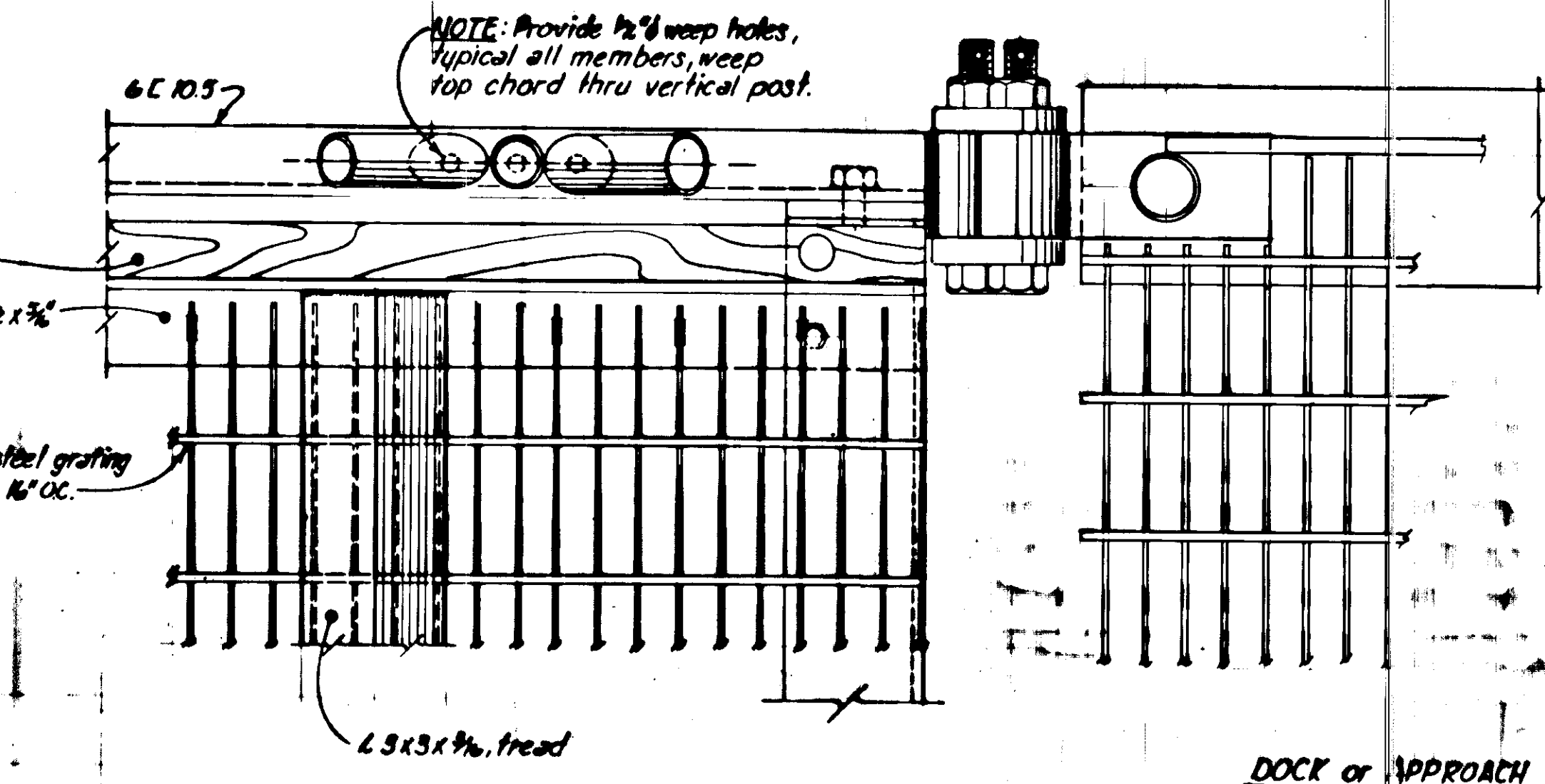
SECTION DETAIL - L 3 1/2 x 2 1/2 Bolted to L 4 x 6
3/8" = 1'-0"



GANGWAY DETAILS
3/8" = 1'-0"

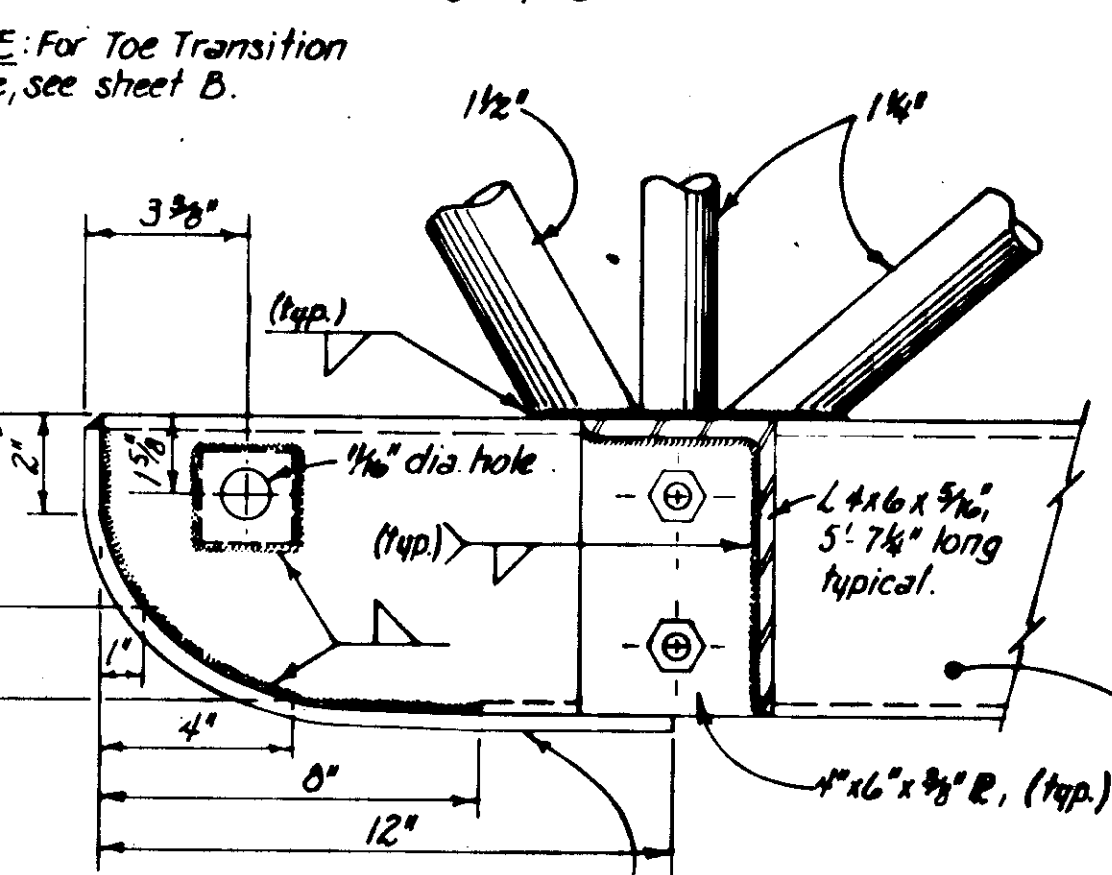


TYPICAL DECKING SPLICE
3/8" = 1'-0"

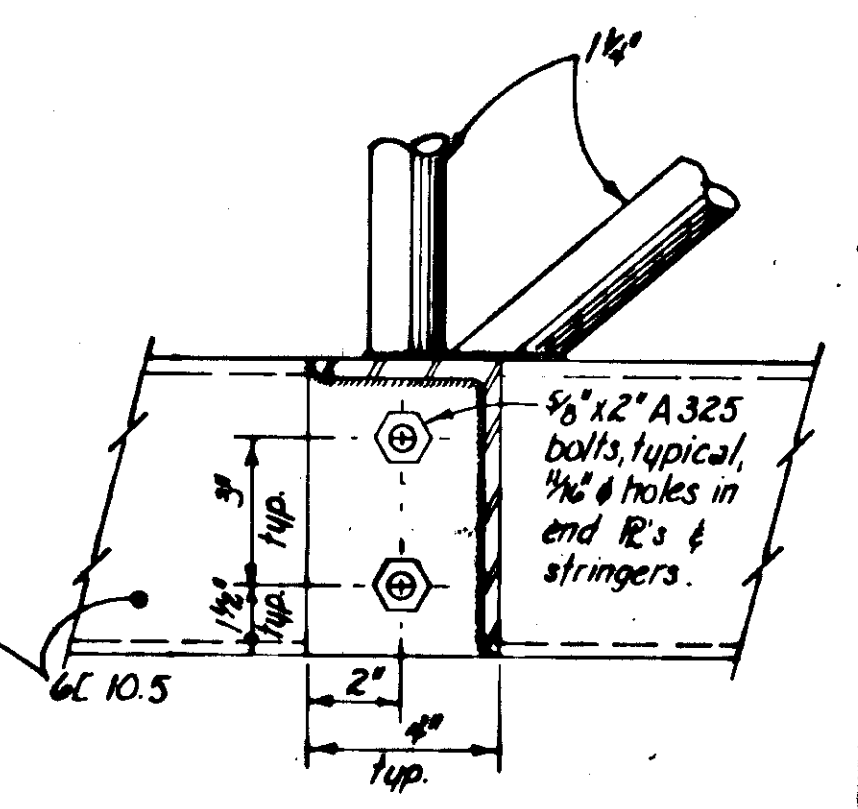


GANGWAY HEAD DETAILS
3/8" = 1'-0"

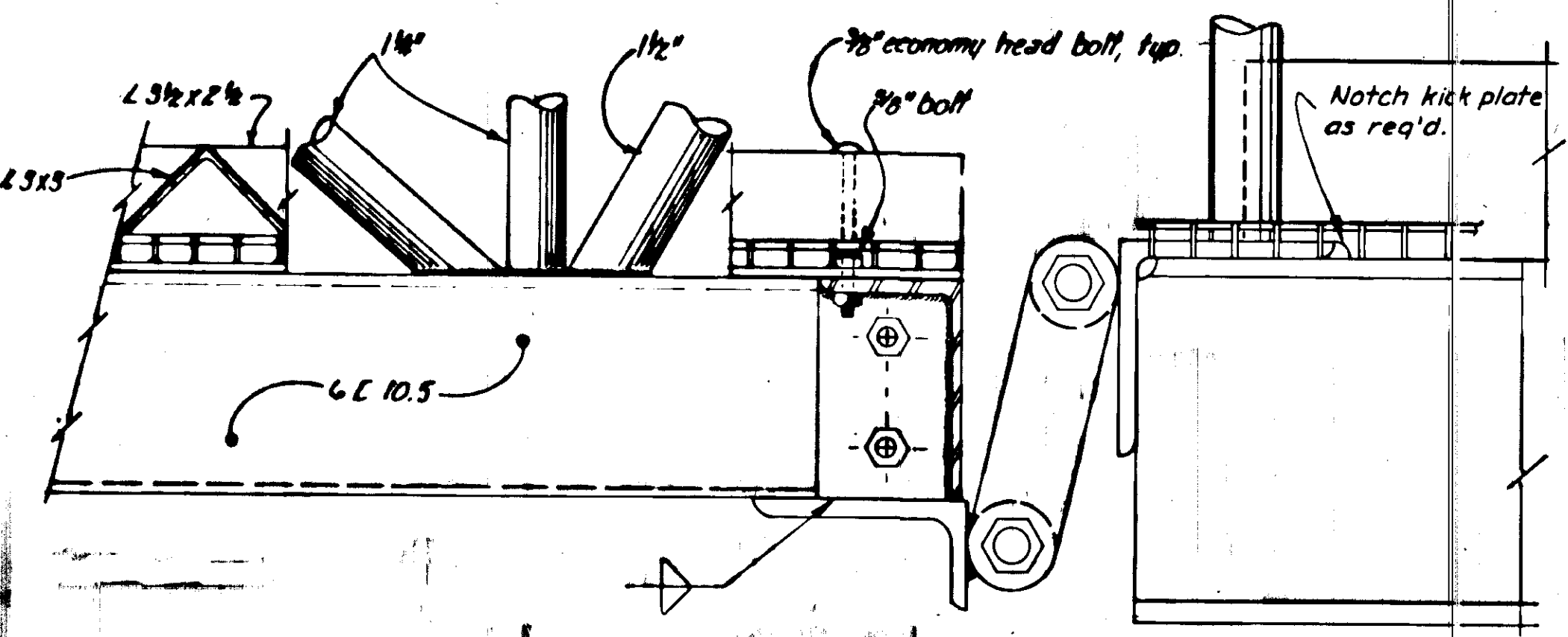
DOCK or APPROACH



1/2" x 2" flat bar cut to necessary length, bend and weld to toe of stringer.

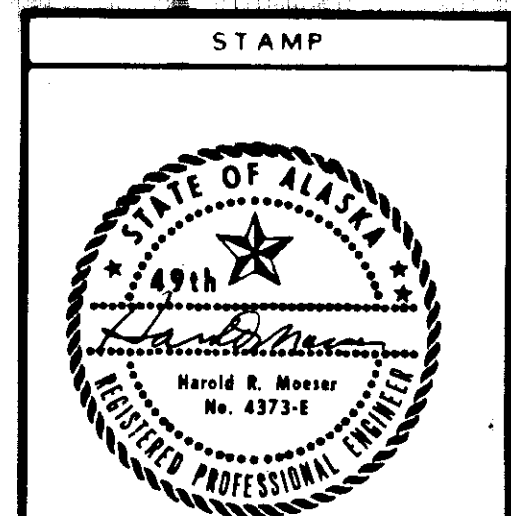


SECTIONAL ELEVATIONS
3/8" = 1'-0"



- NOTES**
- Design load, 55 psf. on gangway or 85 psf. on treaded walkway only.
 - All seamless pipe shall conform to ASTM A-53, Grade B or ASTM A-500.
 - All shapes & plates shall conform to ASTM A-36.
 - Trusses shall be shop fabricated & assembled including hangers.
 - Splices shall be held to a minimum and where necessary shall be made in a manner that will not reduce the strength of the truss.
 - No tubing or channel splices will be permitted within 10' of the center of the truss structure.
 - Trusses & transverse beams shall be hot dipped galvanized after fabrication and in accordance with ASTM A-23, A-364, A-385 & A-386.
 - All steel hardware & fasteners shall be hot dipped galvanized in accordance with ASTM, A-153.
 - Decking & deck spacers shall be No. 1, grade HEM-FIR penta pressure treated to 0.4 lb cu. ft. retention and shall be field drilled to match shop drilled holes in transverse members.
 - Assembly shop drawing shall be submitted for approval.

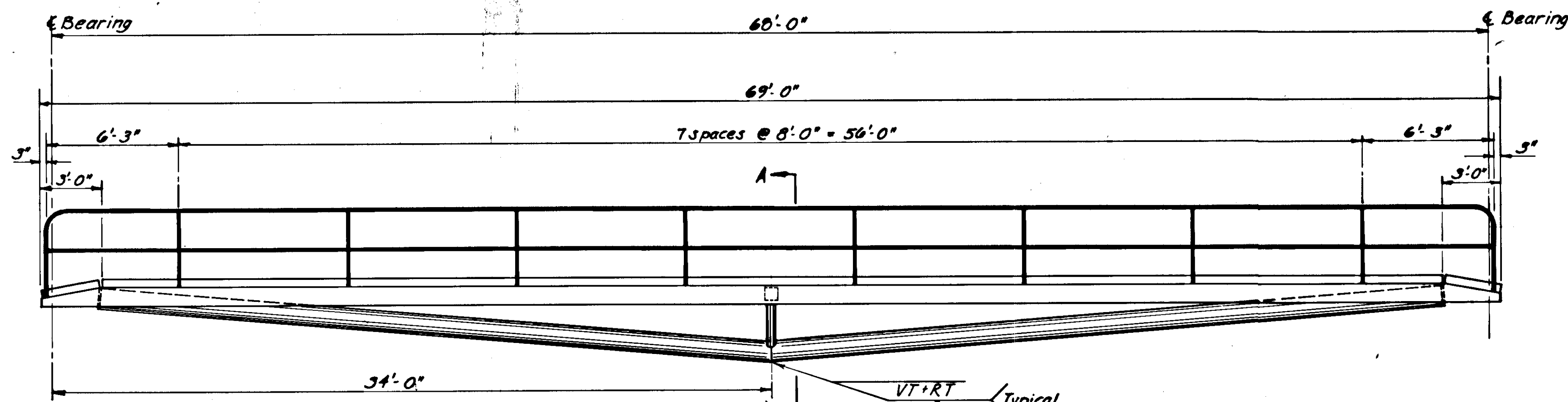
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-093-2(2)	1980	42	48



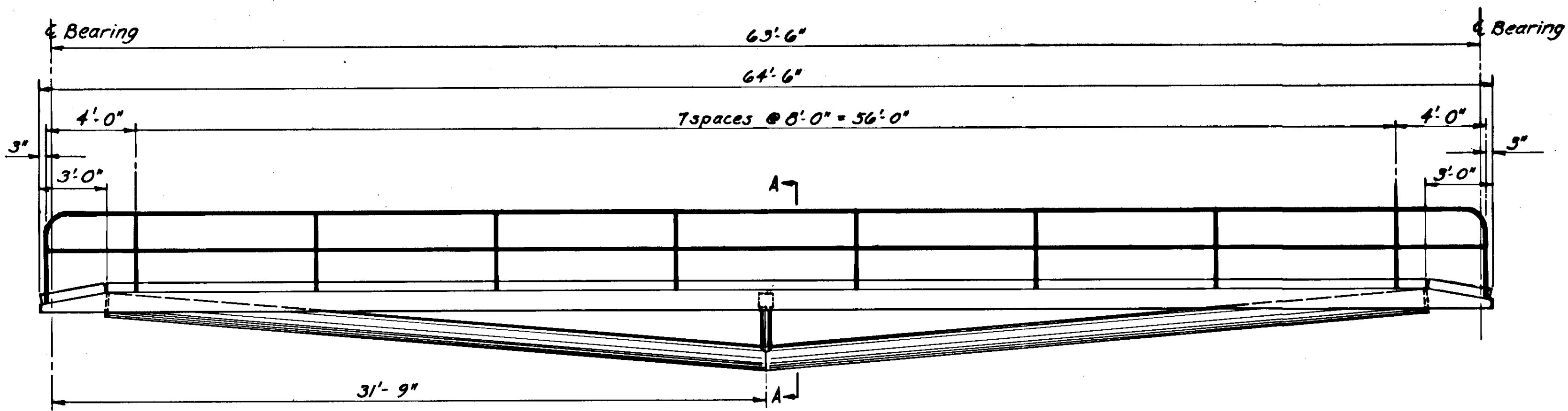
DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DIVISION OF HARBOR DESIGN AND CONSTRUCTION	
GANGWAY	
SCALE As noted	SURVEYED ~
DESIGNED ~	DRAWN GRF
CHECKED ~	DATE Dec. 1979
APPROVED Robert P. Beck CHIEF OF DESIGN	
PROJECT NUMBER F-093-2(2)	SHEET _____ OF _____

PROJECT NO. STP-093-3(7) / 75265
AS-BUILT INFO. SHEET 32 OF 39

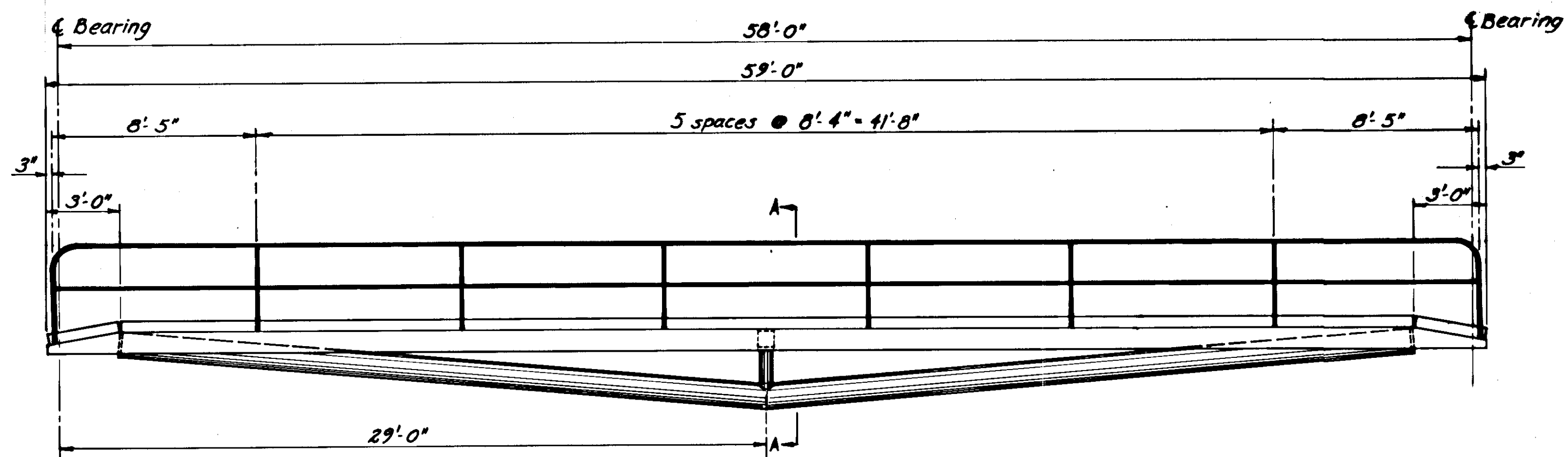
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-093-2(2)	1980	43	48



68' CATWALK ELEVATION
1/4" = 1'-0"

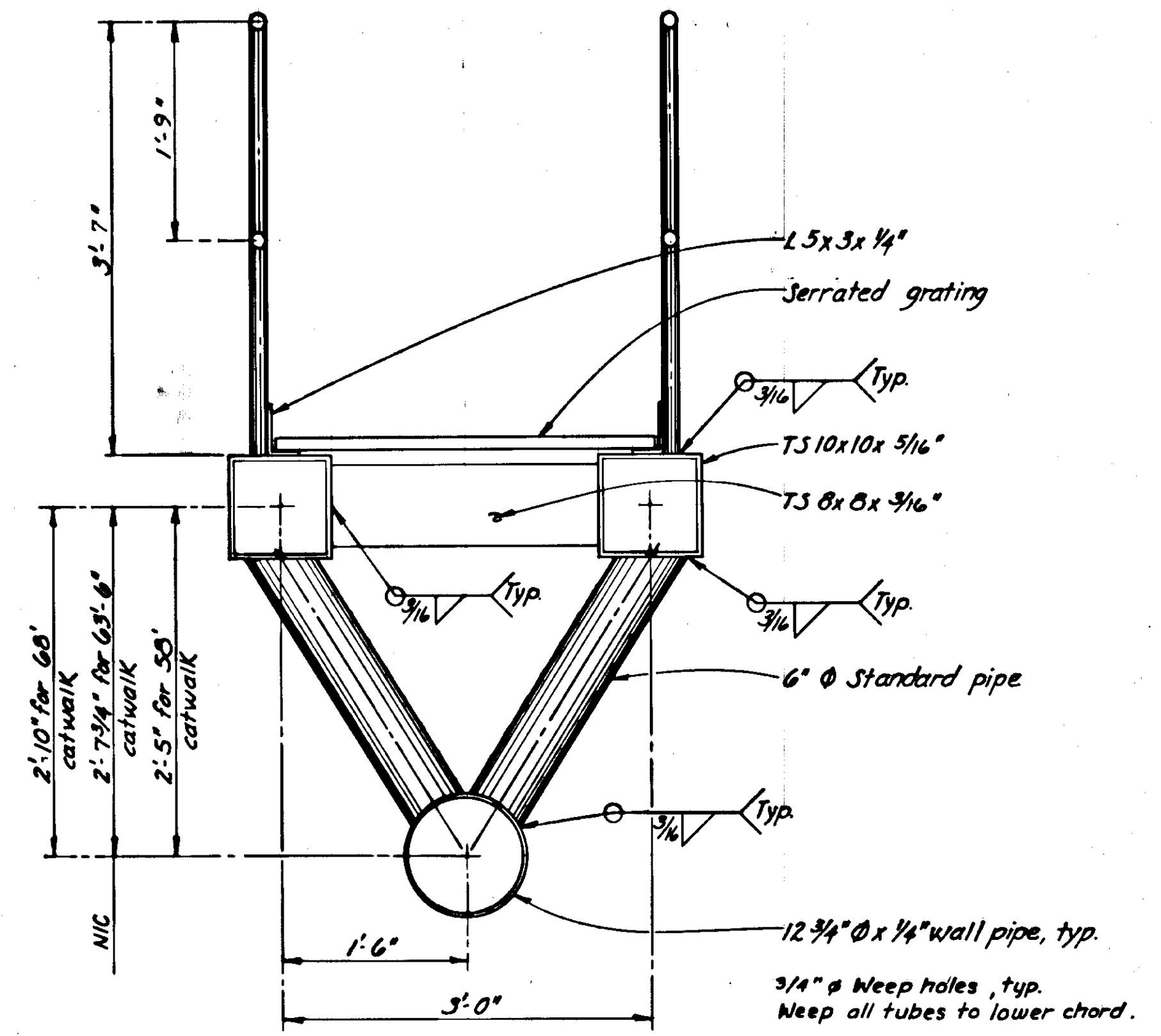


63'-6" CATWALK ELEVATION *NIC
1/4" = 1'-0"



58' CATWALK ELEVATION
1/4" = 1'-0"

NOTE:
All splices in tension or compression components of structure to be double bevel complete penetration. The fully erected catwalk structure shall only be supported or lifted @ end bearing points.



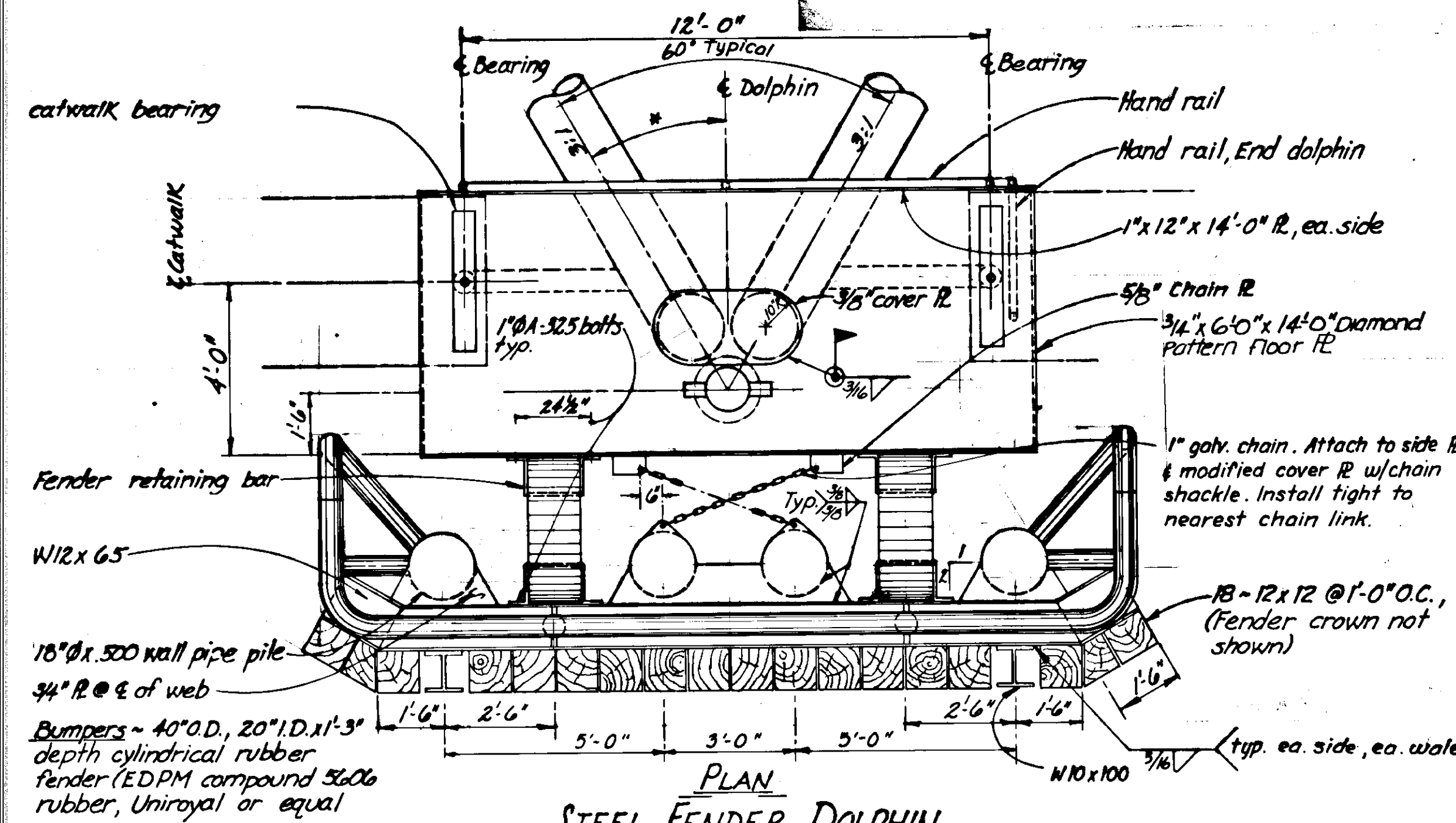
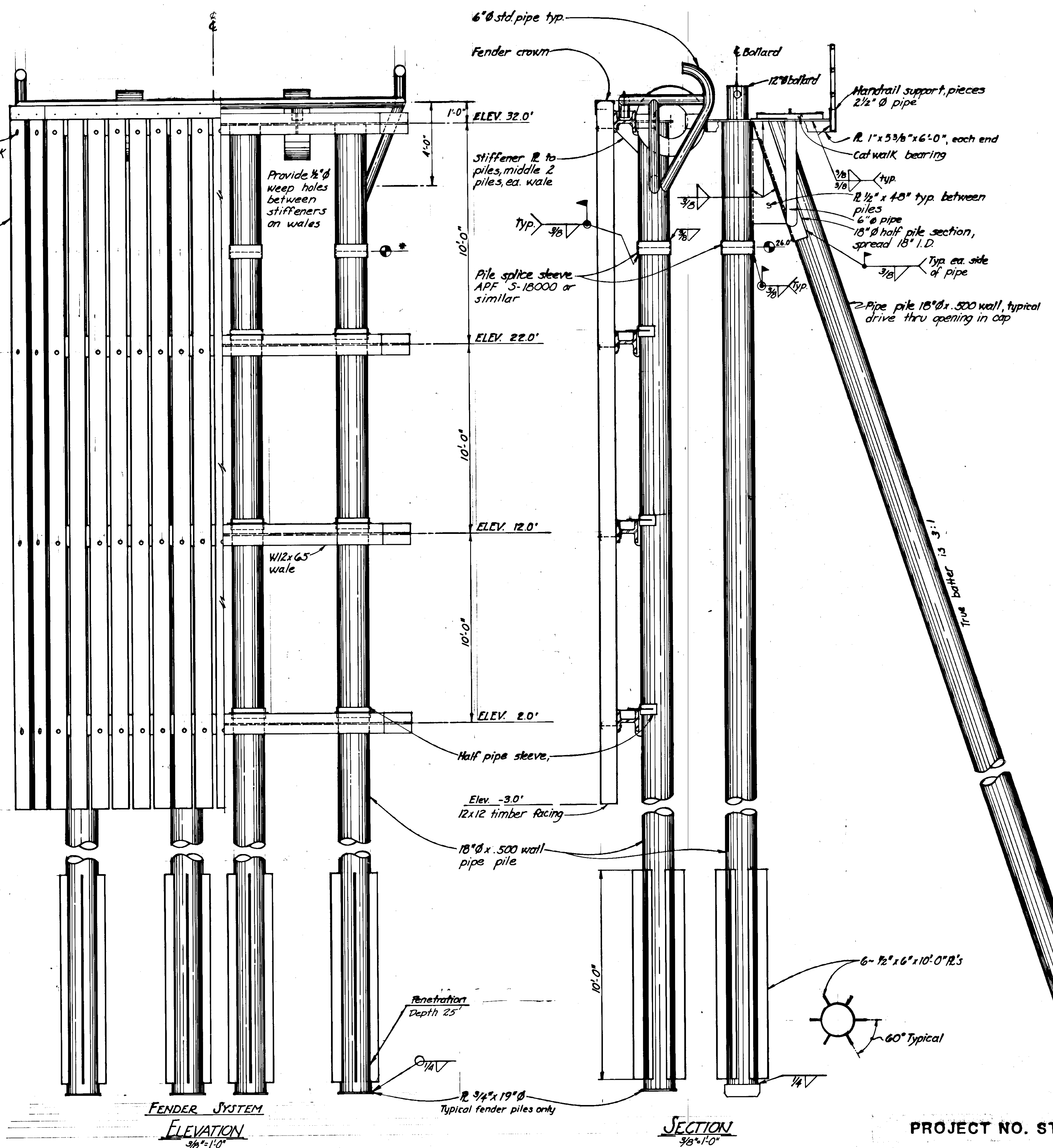
SECTION A-A
1" = 1'-0"

*NIC = Not in Contract

PROJECT NO. STP-093-3(7) / 75265
AS-BUILT INFO. SHEET 33 OF 39

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DIVISION OF HARBOR DESIGN AND CONSTRUCTION	
		68', 63'-6", & 58' CATWALK ELEVATIONS	
SCALE <i>As Noted</i>	SURVEYED _____	APPROVED	
DESIGNED <i>JAL</i>	DRAWN <i>JJS</i>	Robert P. Beck	
CHECKED _____	DATE <i>Jan. 80</i>	CHIEF OF DESIGN	
PROJECT NUMBER <i>F-093-2(2)</i>		SHEET _____	OF _____

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-093-2(2)	1980	35	48

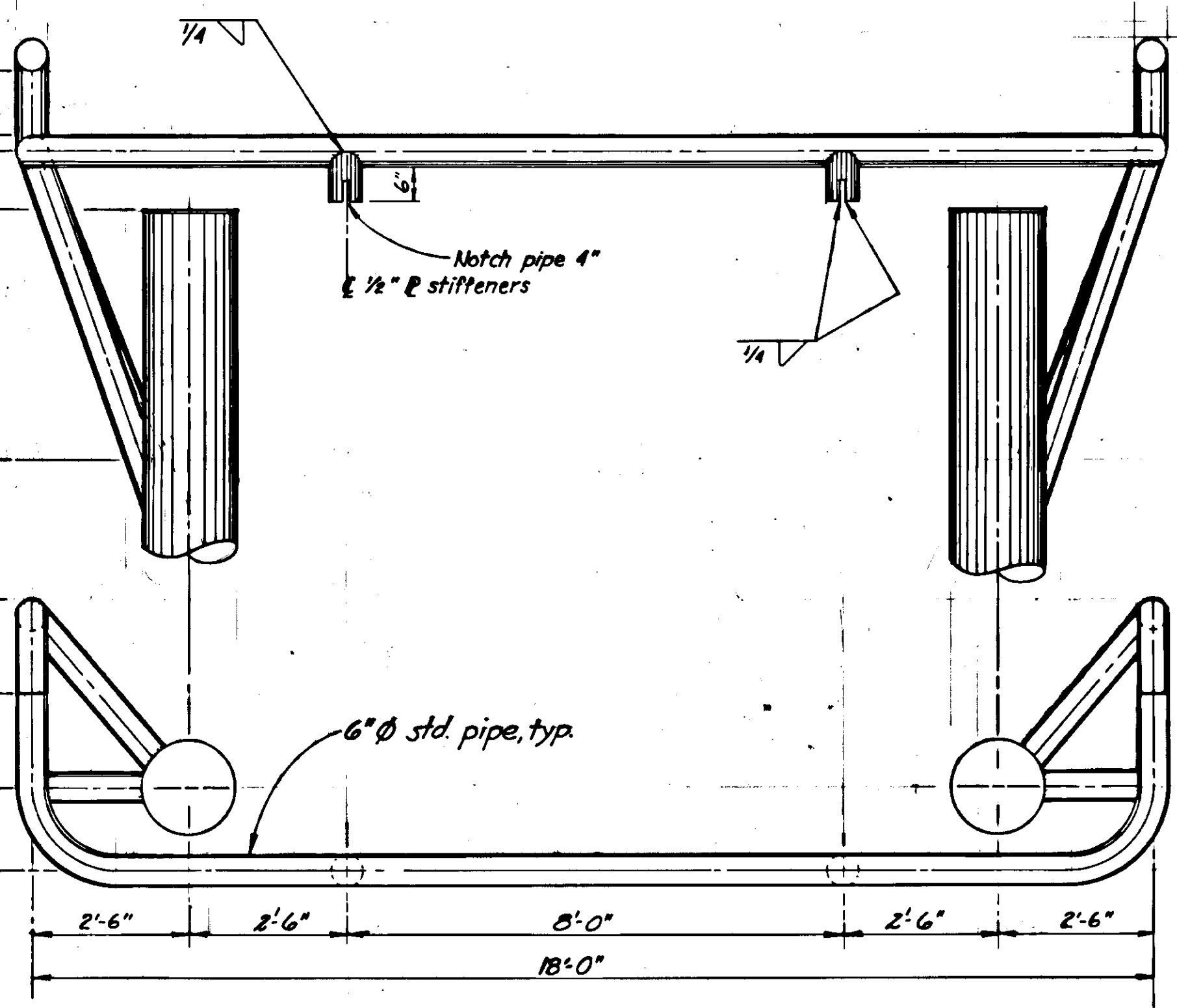


WP ① ② ③ ④ ⑤ ⑥
Note * 30" WP 1, 4, 5, 6
* 45" WP 2
* 15" WP 3

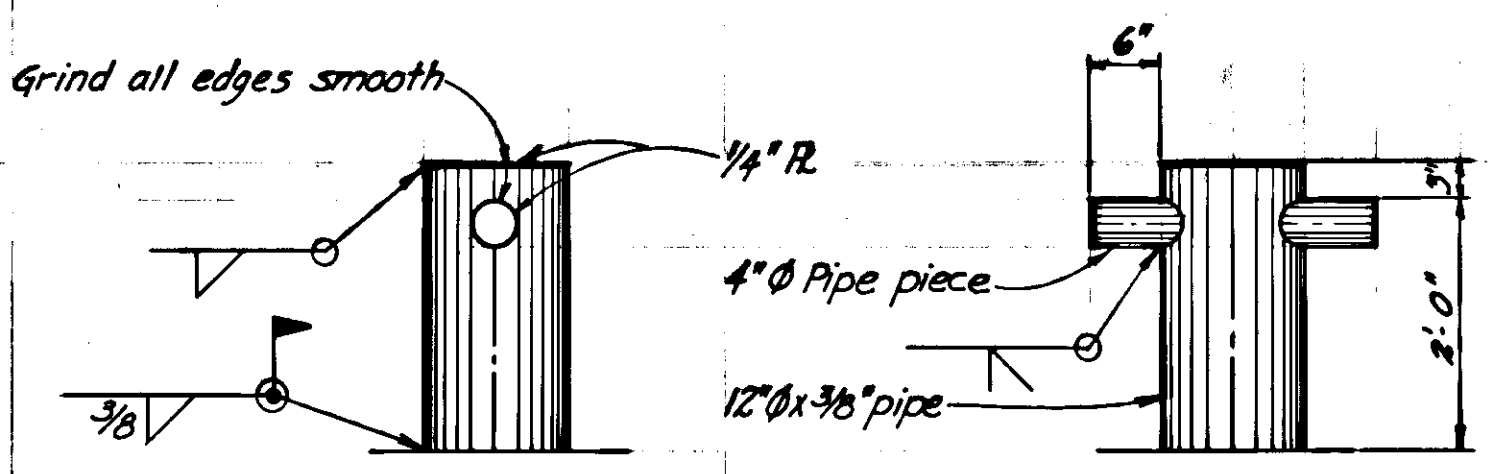
* Recommend contractor stagger cut off for installation ease.

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DIVISION OF HARBOR DESIGN AND CONSTRUCTION	
		DOLPHIN PLAN & DETAILS	
SCALE: AS NOTED	SURVEYED	APPROVED	
DESIGNED	DRAWN: SJS	Robert P. Beck	
CHECKED	DATE: Jan. 80	CHIEF OF DESIGN	
PROJECT NUMBER: F-093-2(2)	SHEET	OF	

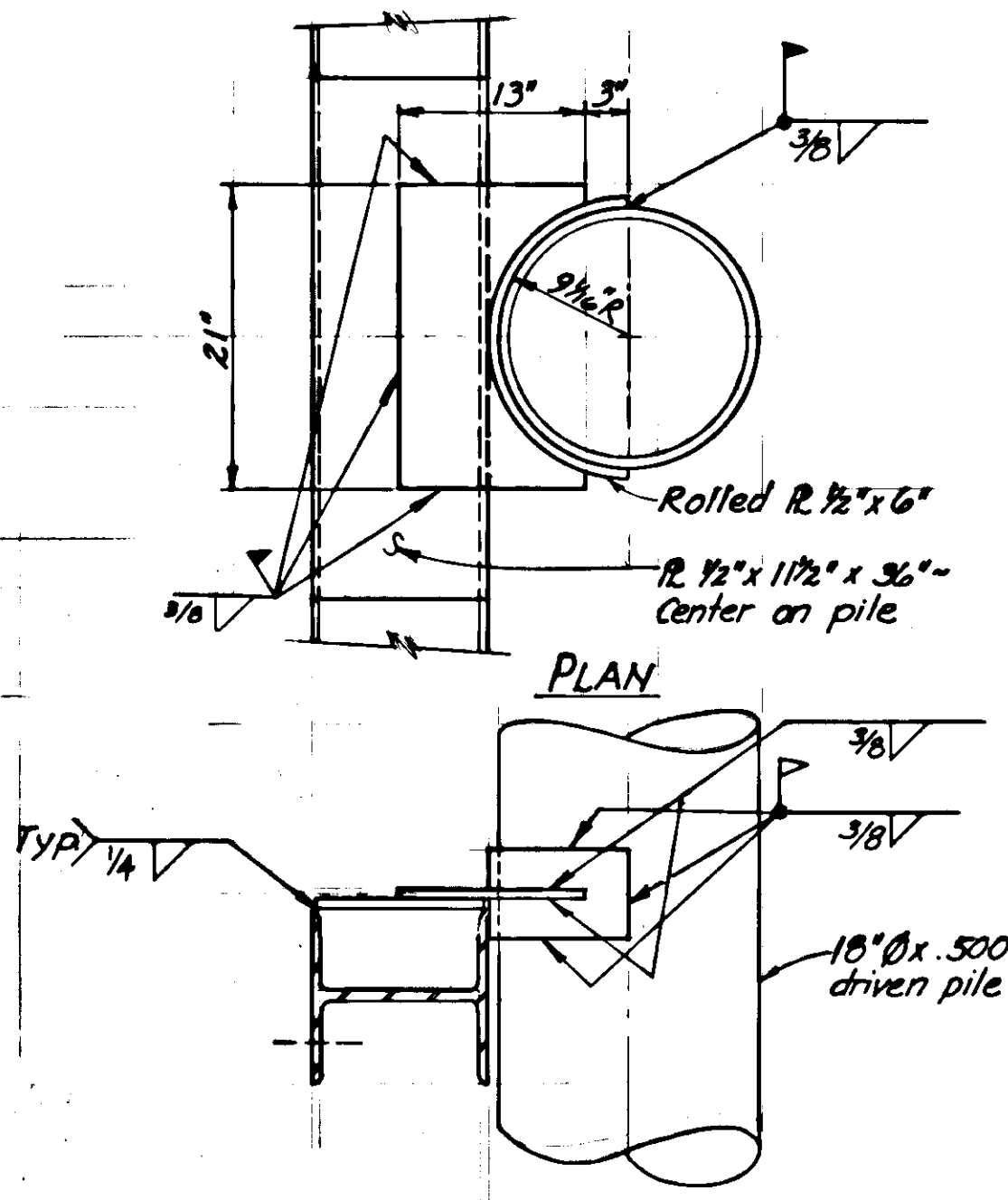
PROJECT NO. STP-093-3(7) / 75265
AS-BUILT INFO. SHEET 34 OF 39



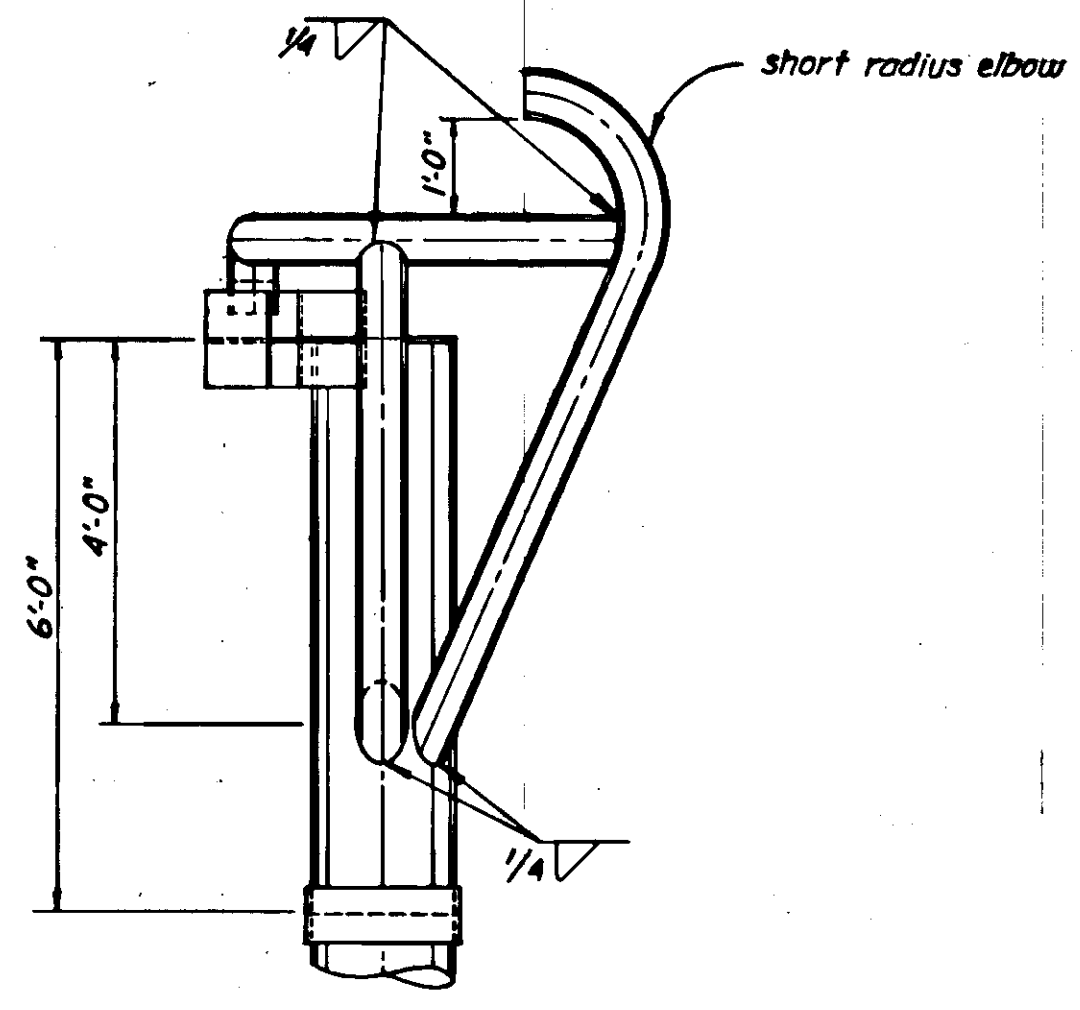
UPPER RAIL
1/2" = 1'-0"



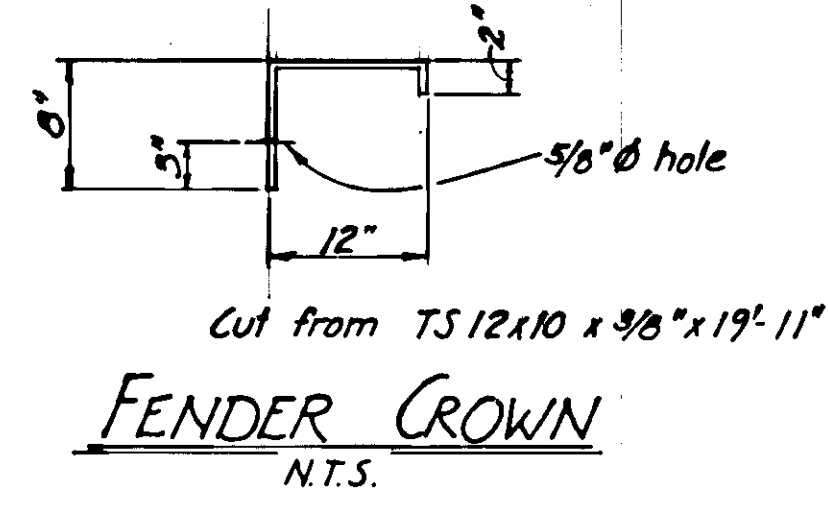
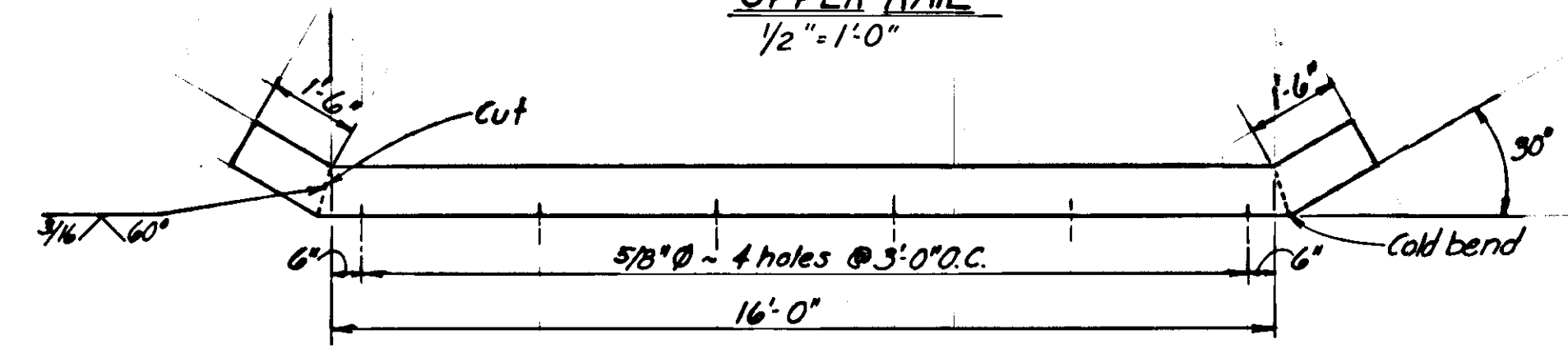
BOLLARD DETAIL
3/4" = 1'-0"



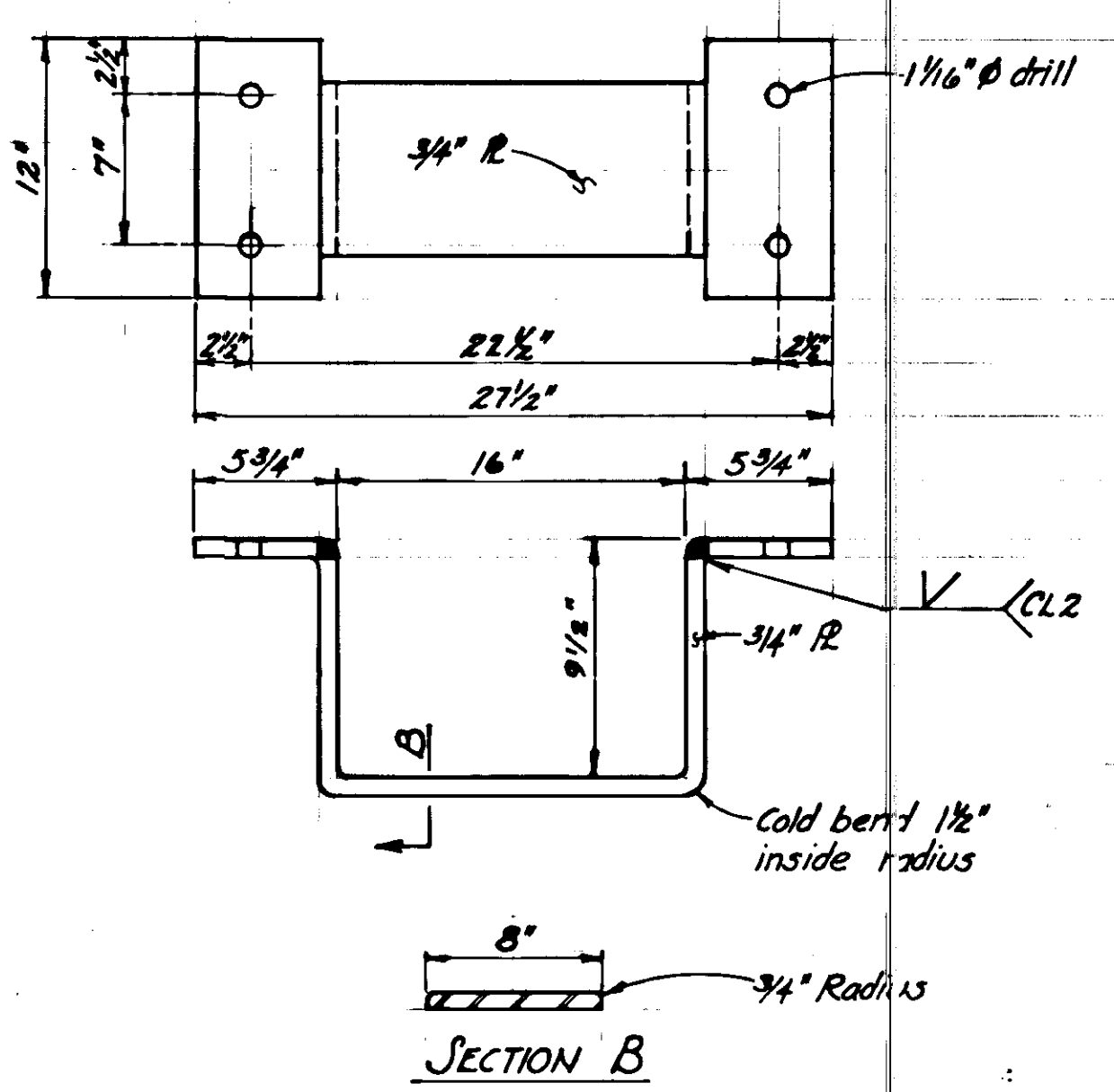
PIPE SLEEVE DETAIL
1" = 1'-0"



UPPER RAIL
1/2" = 1'-0"



FENDER CROWN
N.T.S.



FENDER RETAINING BAR
1 1/2" = 1'-0"

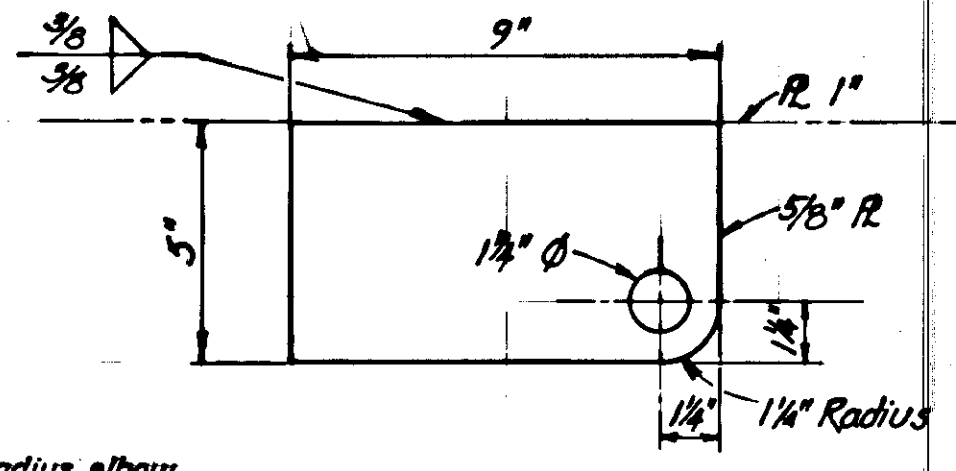
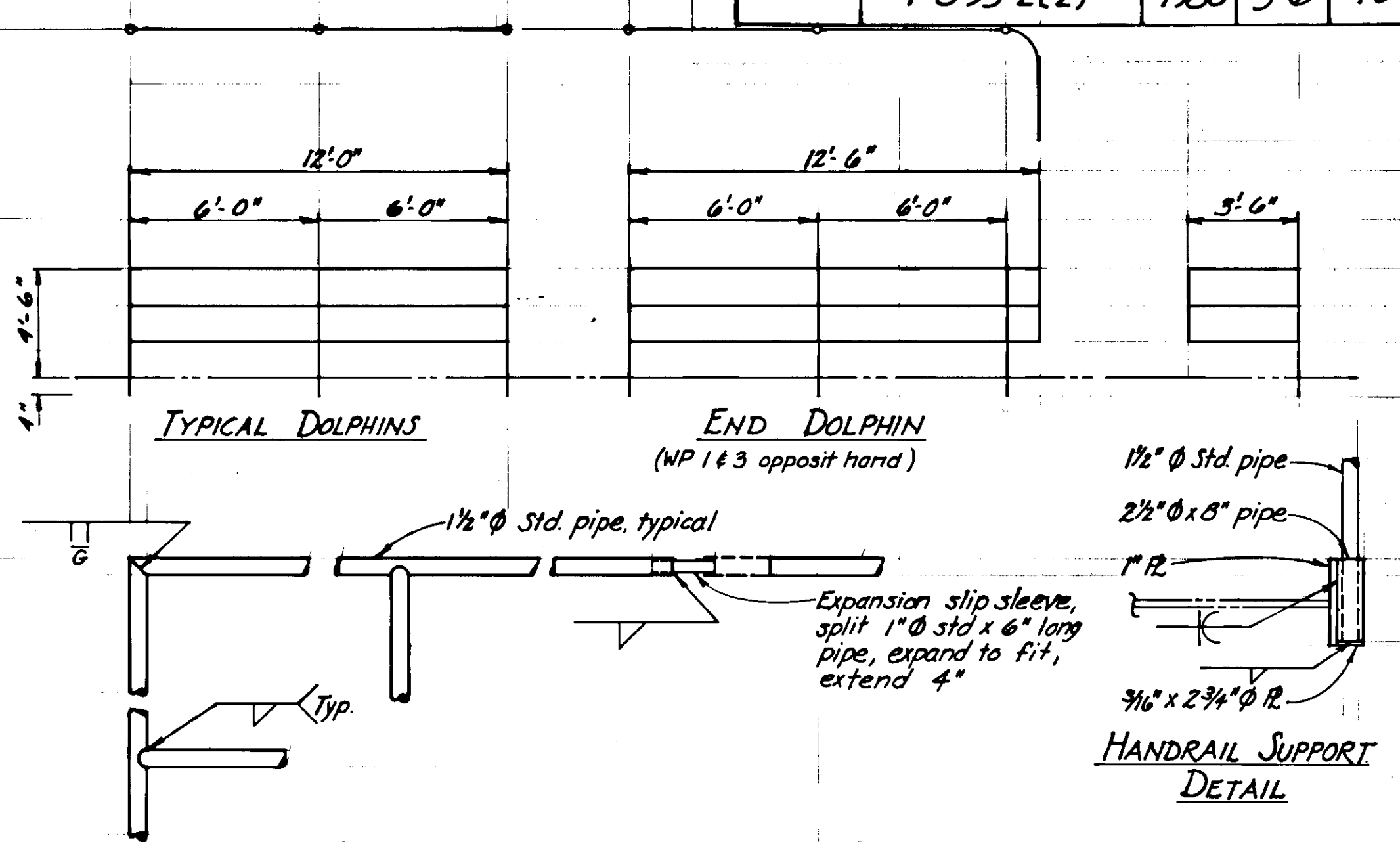
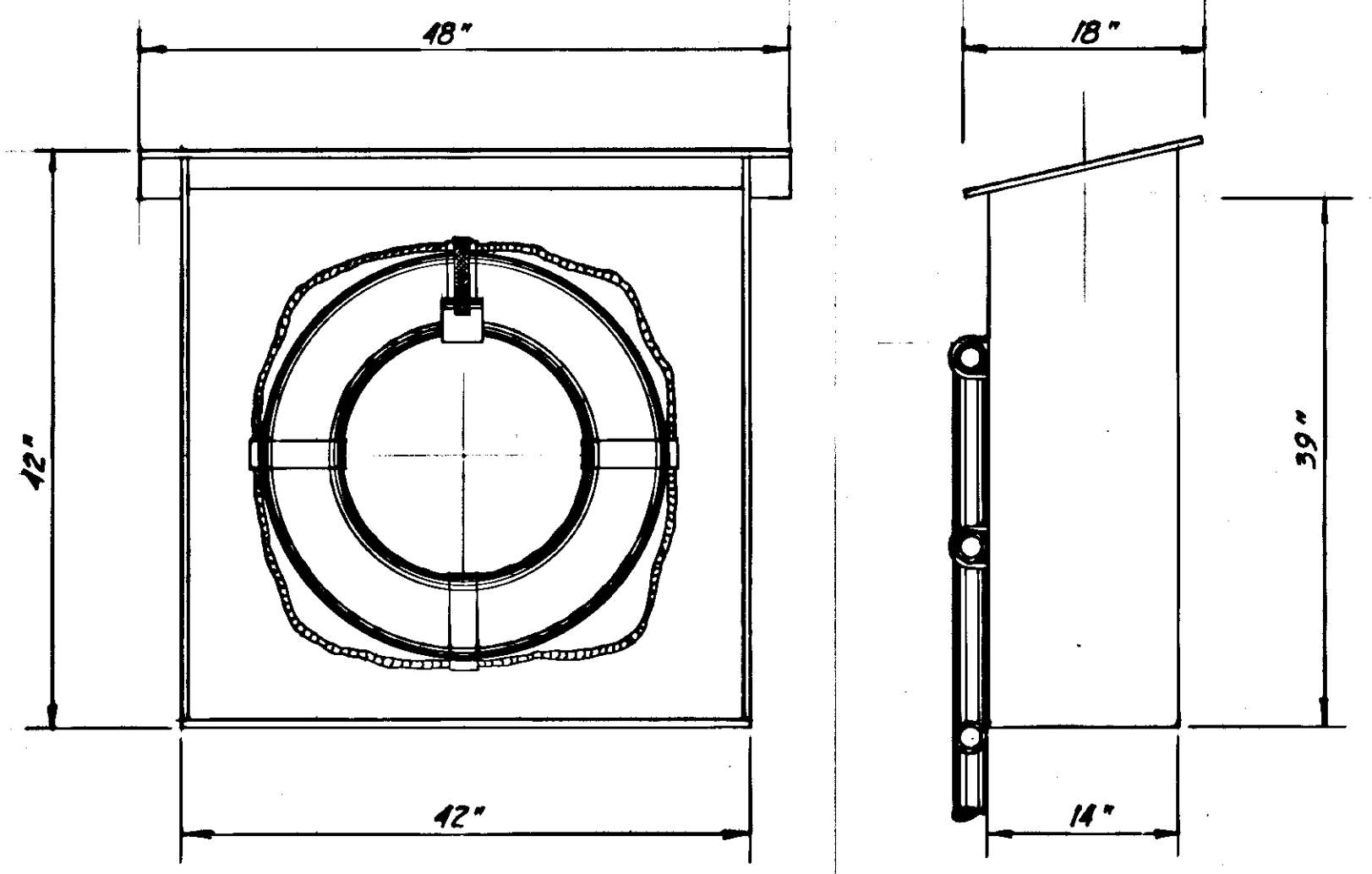


PLATE DETAIL
3" = 1'-0"

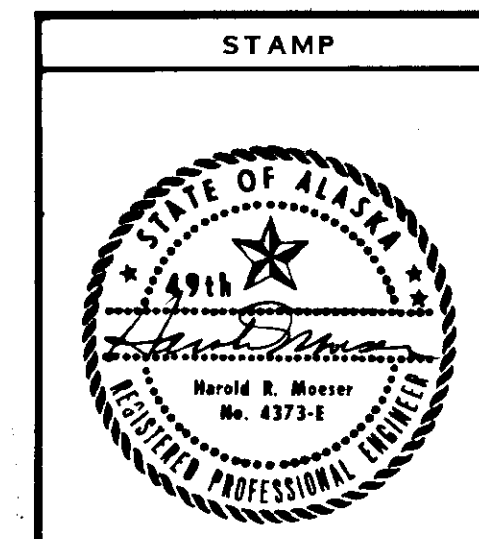


HANDRAIL CONSTRUCTION DETAILS
1" = 1'-0"

Plud. 1/2" AC-Ext. paint white, 2 coats oil base paint. Provide Coast Guard approved life ring. Mount to hand rail w/ hot dip galvanized pipe clamp and bronze bolts, washer and nut.



LIFE RING BOX, 2 REQ'D. WP ① & ②
1" = 1'-0"



DO NOT SCALE THIS DRAWING - USE DIMENSIONS
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
DIVISION OF HARBOR DESIGN AND CONSTRUCTION

FENDER SYSTEM DETAILS

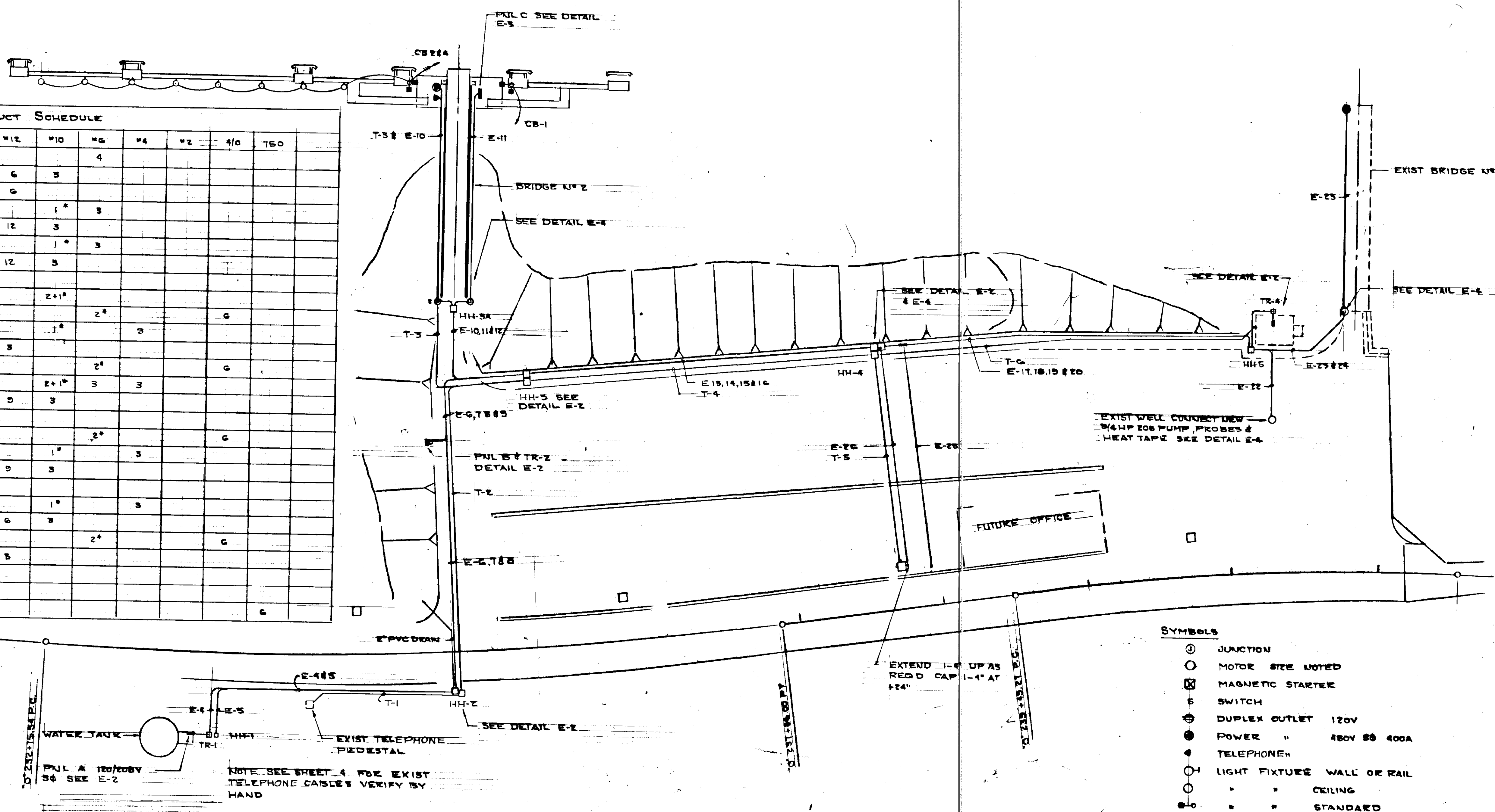
SCALE: AS NOTED	SURVEYED:	APPROVED:
DESIGNED:	DRAWN: SJS	Robert P. Beck
CHECKED:	DATE: Jan. 80	CHIEF OF DESIGN
PROJECT NUMBER: F-093-2(2)		SHEET: OF

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-093-2(2)	1990	45	48

ELECTRICAL DUCT SCHEDULE

FROM	TO	SIZE	D	#12	#10	#8	#6	#4	#2	#0	TSO
TR-1	PNL A	1 1/2"					4				
MS-1	HH-1	1		6	3						
MS-2	HH-1	1		6							
TR-1	HH-2	1 1/2"			1	3					
HH-1	HH-2	1 1/2"		12	3						
HH-2	HH-3	2			1	3					
HH-2	HH-3	2		12	3						
HH-2	HH-3	2"									
HH-3	TR-2	1			2+1"						
HH-3	POWER	4				2"					
HH-3	PNL C	1 1/2"			1"		3				
HH-3	S/S	3/4"		3							
HH-3	HH-4 B/P	4				2"					
HH-3	HH-4 B/P	2			2+1"	3	3				
HH-3	HH-4	2		0	3						
HH-3	HH-4	4"									
P	HH-5	4				2"					
P	HH-5	2			1"		3				
HH-4	HH-5	2		0	3						
HH-4	HH-5	4"									
HH-5	TR-4	2			1"		3				
HH-5	WELL	1 1/2"		0	3						
HH-5	POWER	4				2"					
HH-5	S/S	3/4"		3							
PNL P	FUTURE	3"									
500KVA	POLE	2-4'									
500KVA	P	2-4'									

GROUND
WAKE
DUCT, CONDUCTORS, HANDHOLES
TRANSFORMERS ETC ASSOCIATED
WITH ITEM G28



EXIST WELL CONNECT DRY
3/4 HP 208 PUMP PROBES &
HEAT TAPE SEE DETAIL E-4

- SYMBOLS**
- ⊕ JUNCTION
 - ⊙ MOTOR SIZE NOTED
 - ⊗ MAGNETIC STARTER
 - ⊞ SWITCH
 - ⊕ DUPLEX OUTLET 120V
 - ⊕ POWER " 480V @ 400A
 - ⊕ TELEPHONE
 - ⊕ LIGHT FIXTURE WALL OR RAIL
 - ⊕ " " CEILING
 - ⊕ " " STANDARD

TELEPHONE SCHEDULE

FROM	TO	SIZE	D	REMARKS
PEDESTAL	HH-2	2		
HH-2	HH-3	2		
HH-3	OUTLET	3/4"		
HH-3	HH-4	2		
HH-4	FUTURE	2		CAP AT +12'
HH-4	BLDG	2		

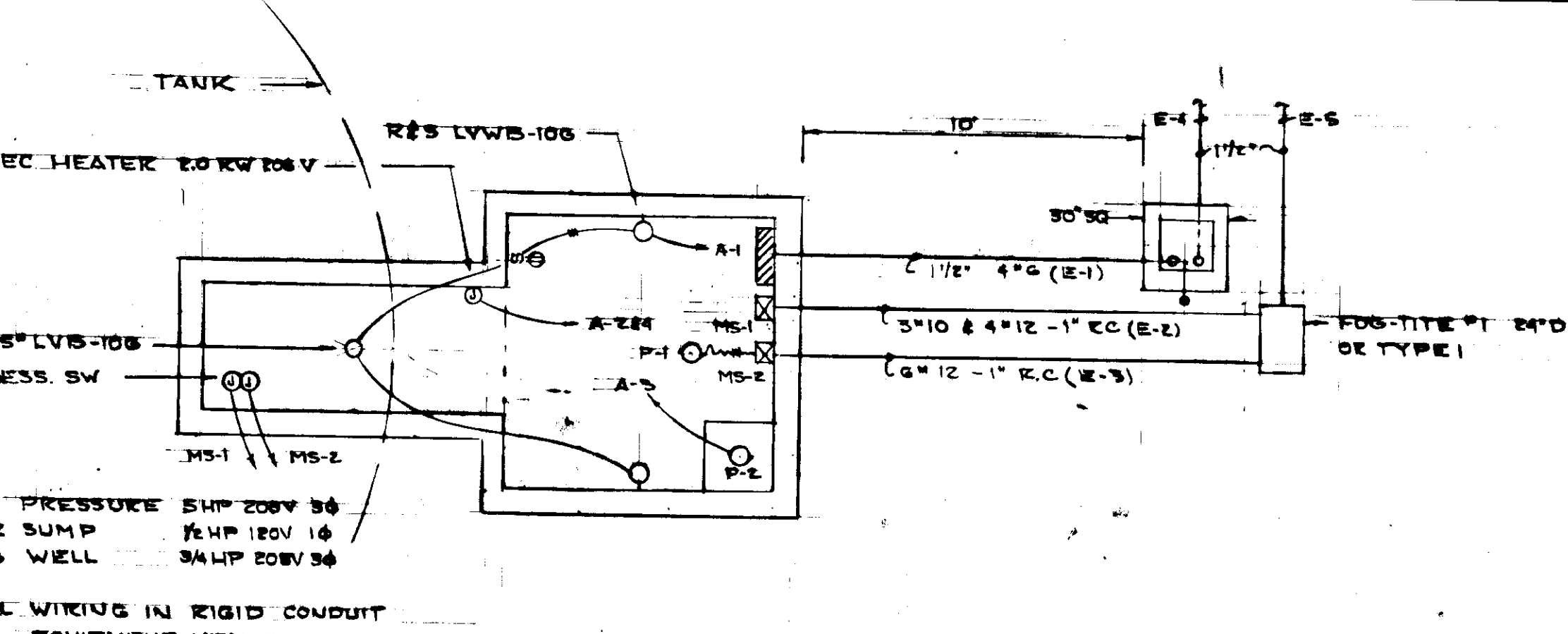
NOTE SEE SHEET 4 FOR EXIST
TELEPHONE CABLES VERIFY BY
HAND

PLAN
1" = 40'

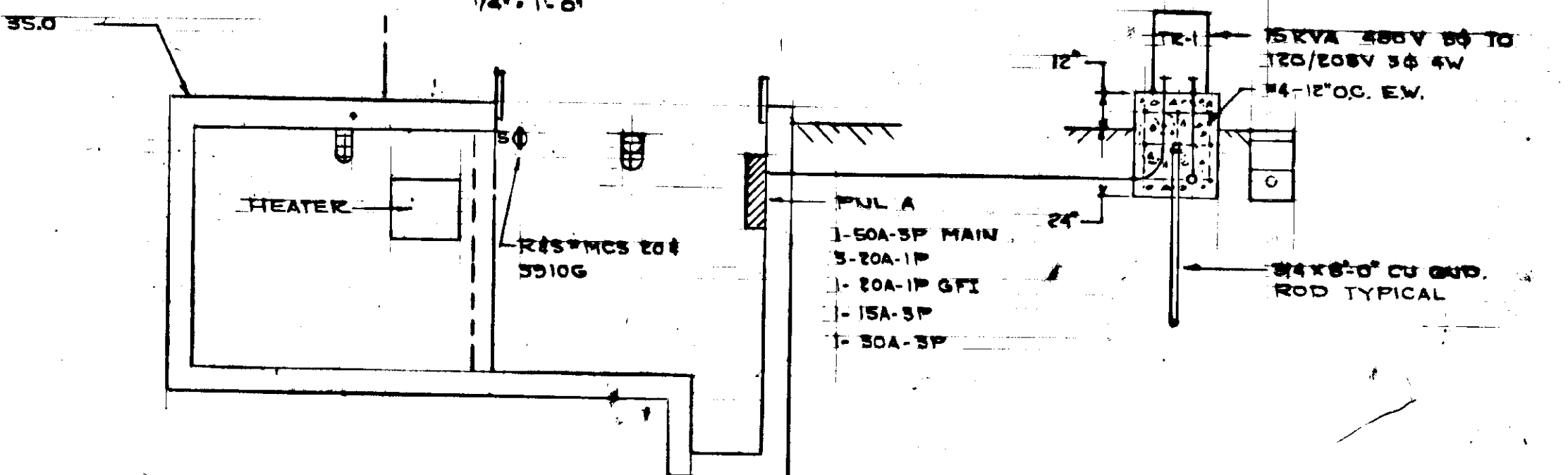
E-1

PROJECT NO. STP-093-3(7) / 75265
AS-BUILT INFO. SHEET 36 OF 39

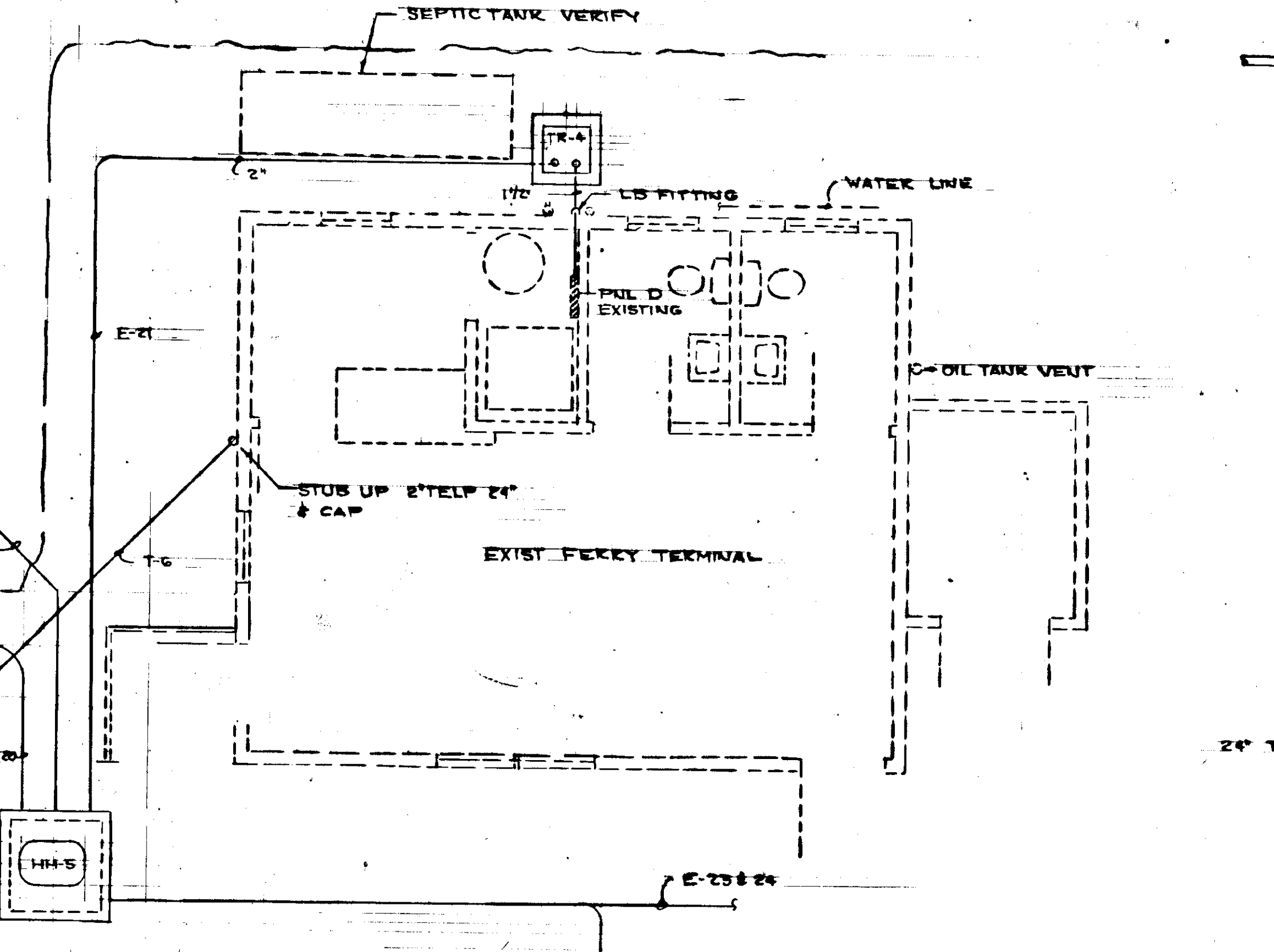
<p>STAMP</p>	DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
	<p>STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DIVISION OF HARBOR DESIGN AND CONSTRUCTION</p>	
ELECTRICAL DETAIL		
SCALE 1" = 40'	SURVEYED _____	APPROVED _____
DESIGNED LPL	DRAWN _____	DIRECTOR _____
CHECKED _____	DATE _____	
PROJECT NUMBER F-093-2(2)	SHEET _____ OF _____	



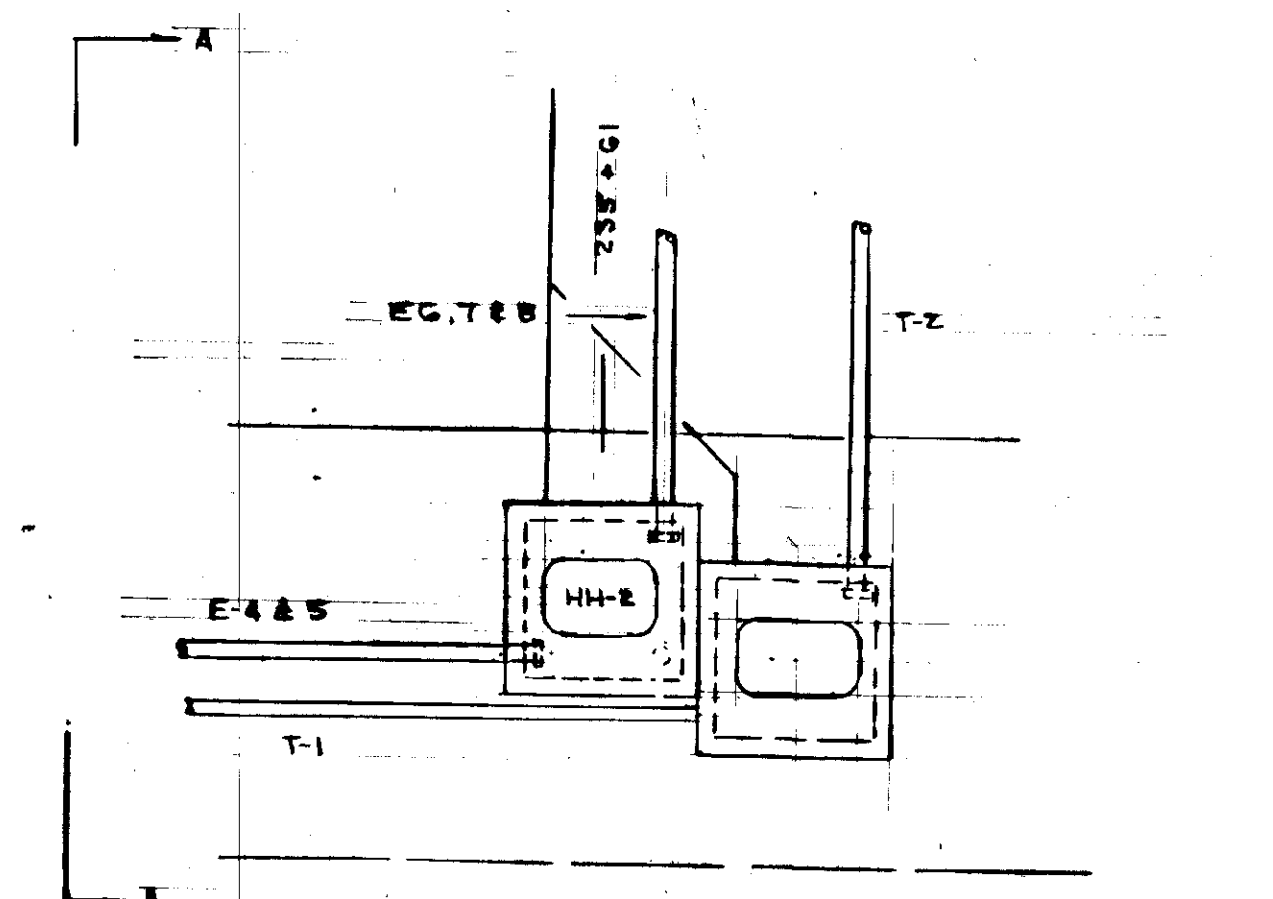
DETAIL PLAN I
1/4" = 1'-0"



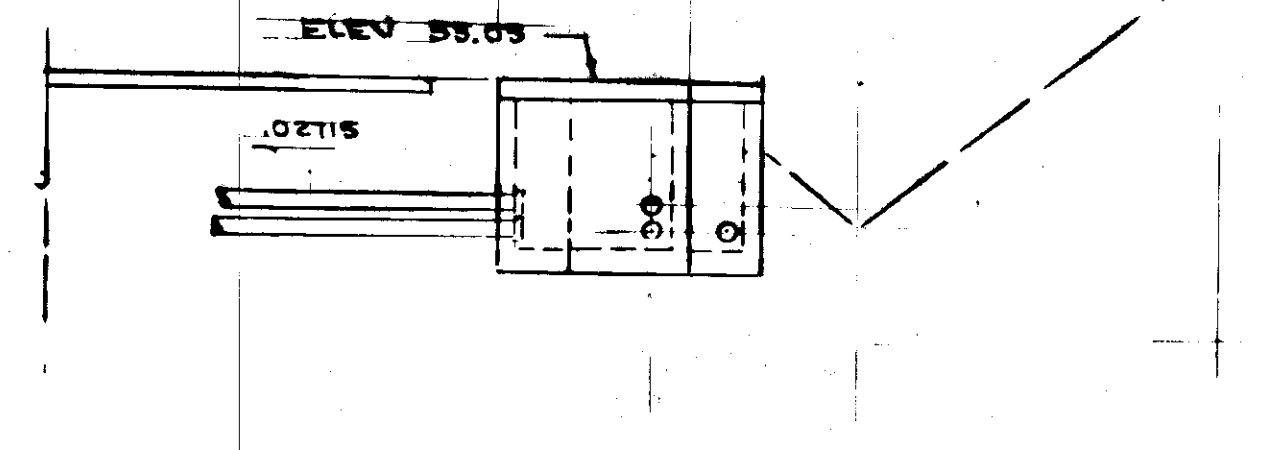
ELEVATION
1/4" = 1'-0"



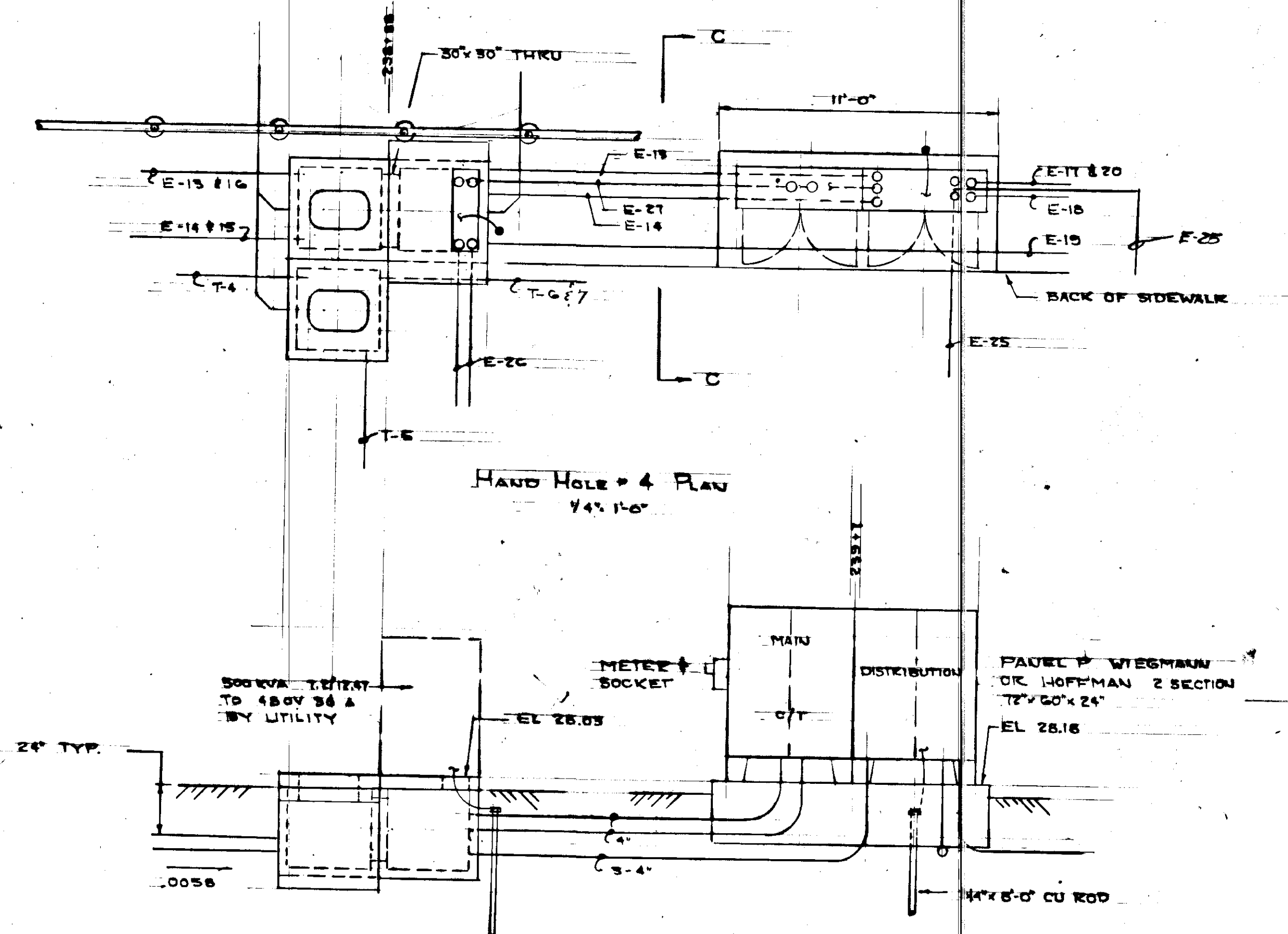
DETAIL PLAN III
1/4" = 1'-0"



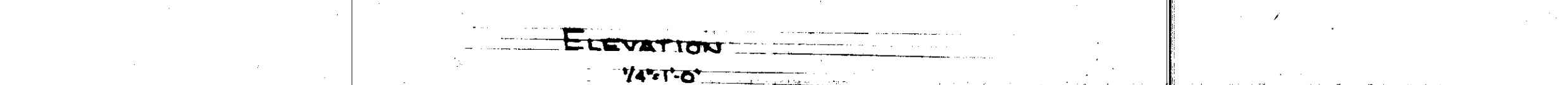
HH-2 PLAN
1/4" = 1'-0"



SECTION A-A
1/4" = 1'-0"

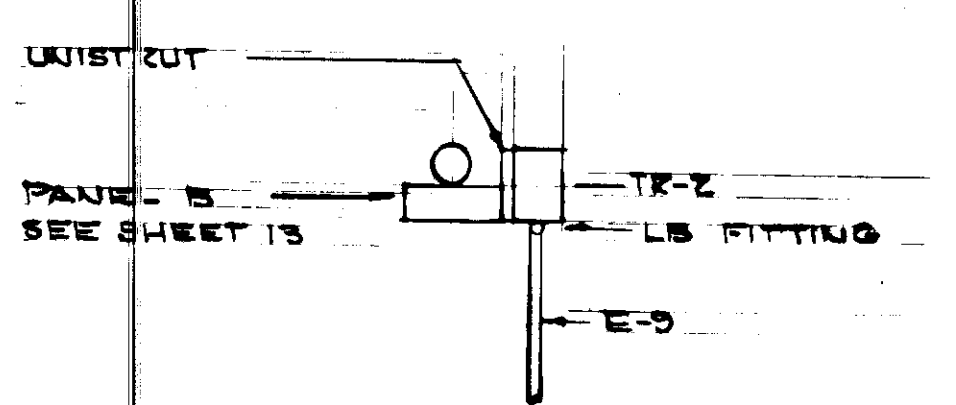


HAND HOLE # 4 PLAN
1/4" = 1'-0"

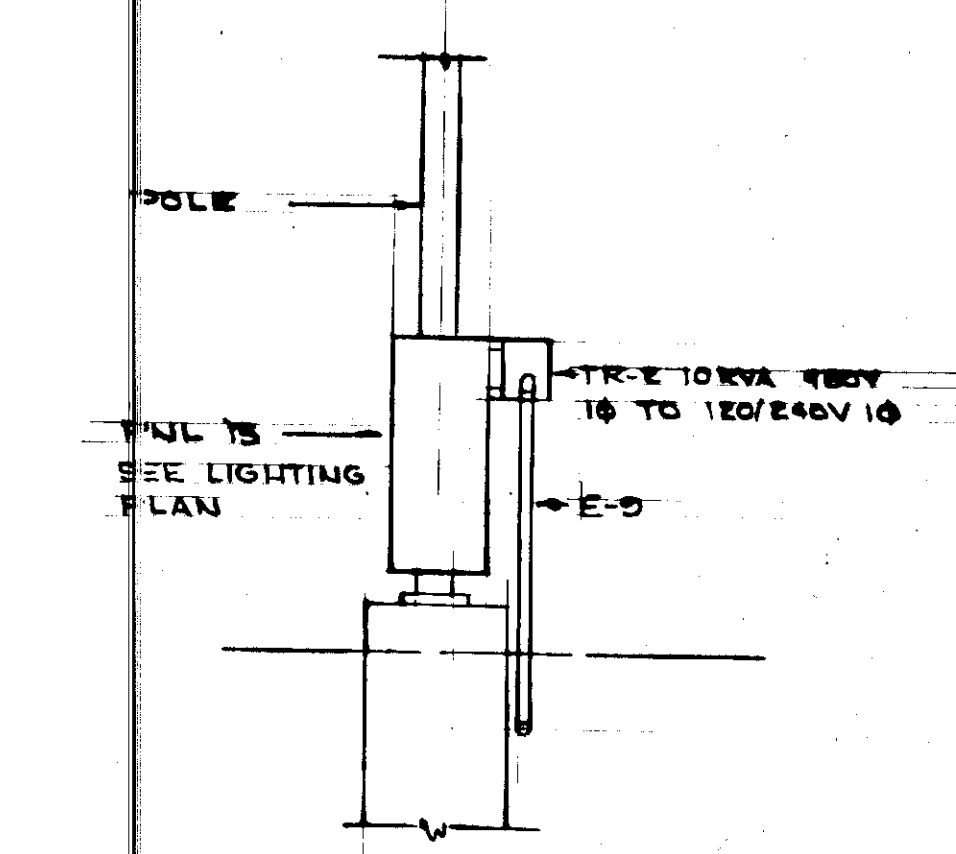


ELEVATION
1/4" = 1'-0"

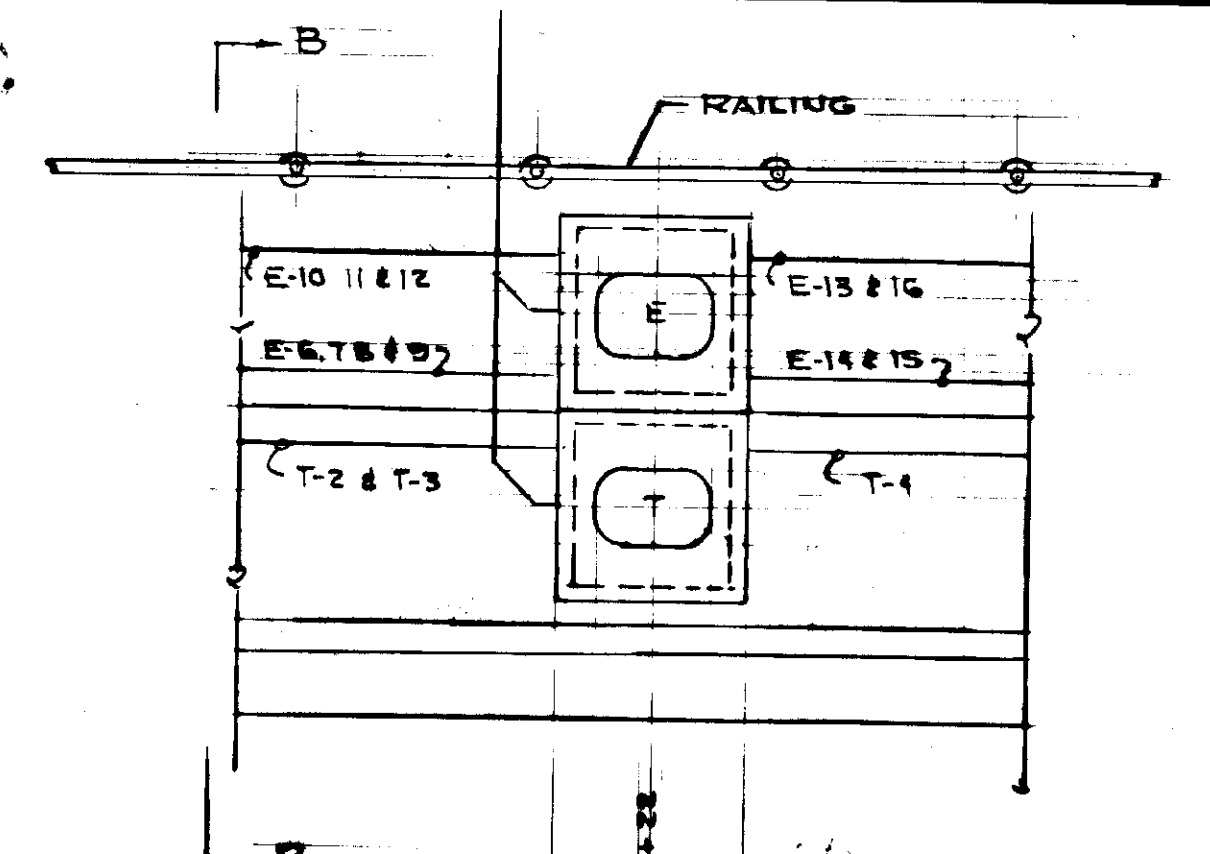
PROJECT NO. STP-093-3(7) / 75265
AS-BUILT INFO. SHEET 37 OF 39



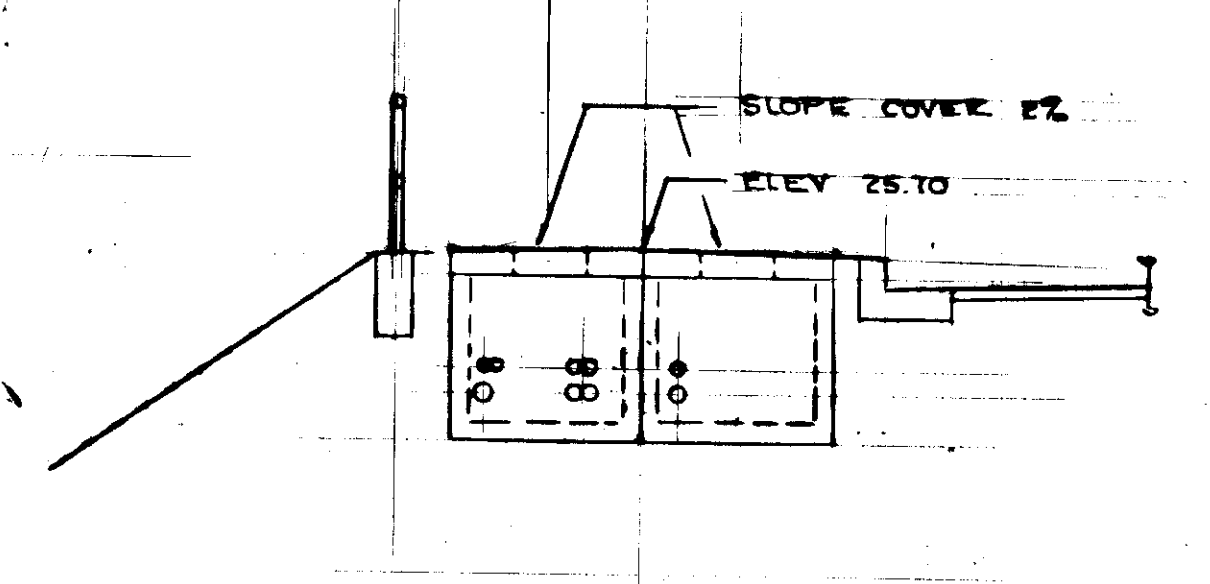
DETAIL PLAN II
1/4" = 1'-0"



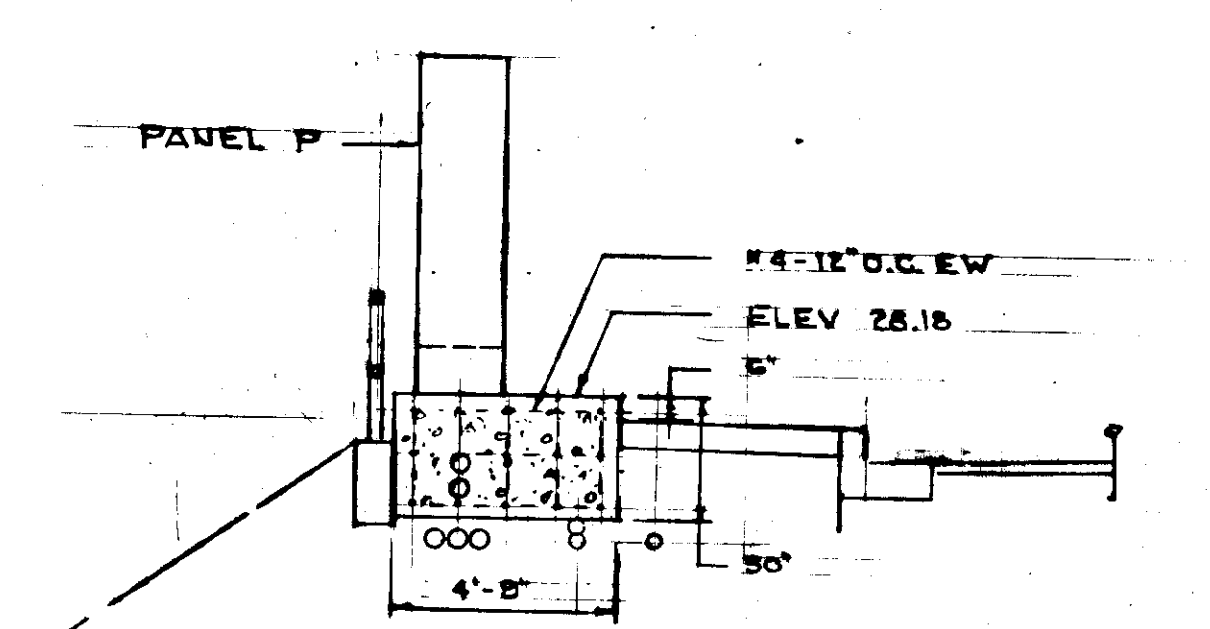
ELEVATION
1/4" = 1'-0"



HAND HOLE # 3 PLAN
1/4" = 1'-0"

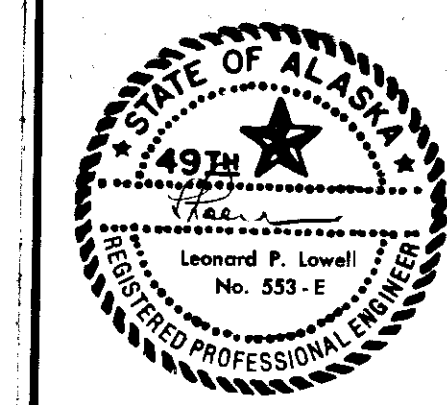


SECTION B-B
1/4" = 1'-0"



SECTION C-C
1/4" = 1'-0"

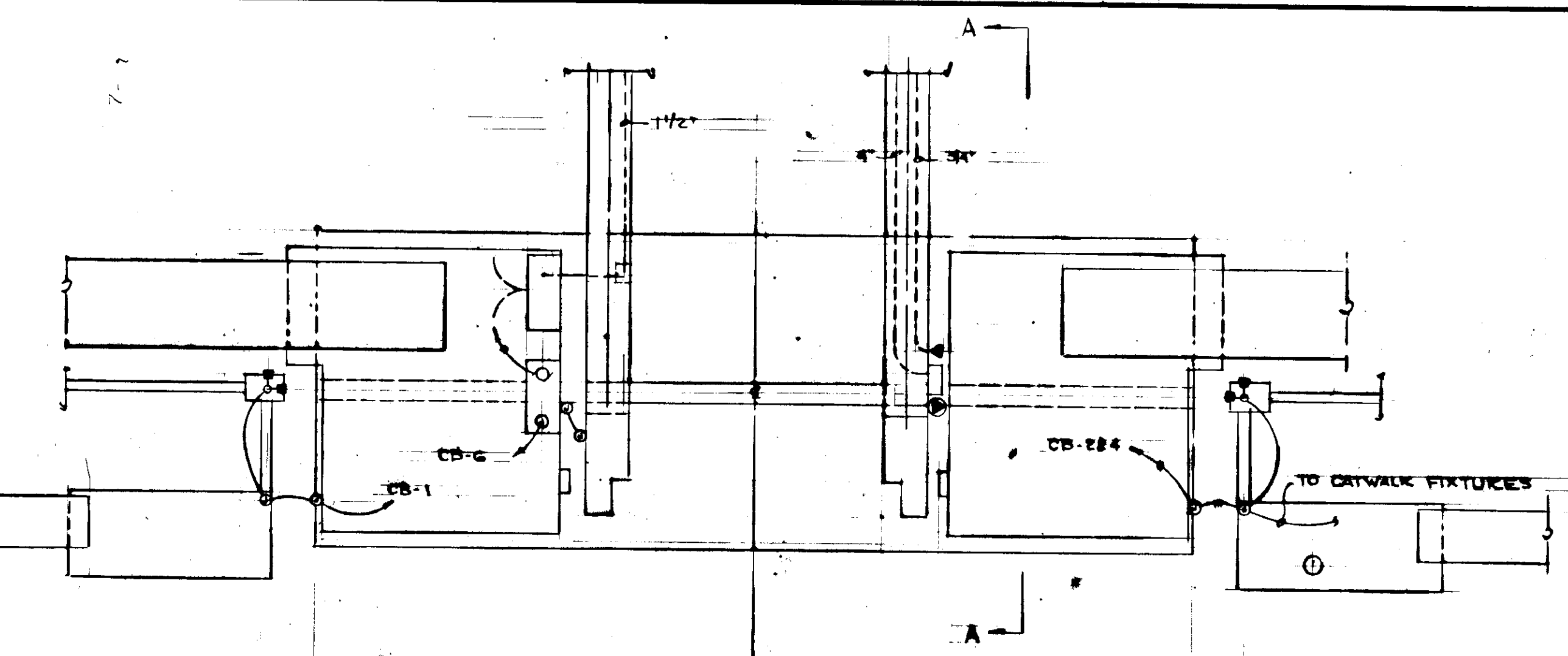
STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DIVISION OF HARBOR DESIGN AND CONSTRUCTION			
ELECTRICAL DETAIL			
SCALE NOTED	SURVEYED	APPROVED	
DESIGNED LPL	DRAWN	DIRECTOR	
CHECKED	DATE		
PROJECT NUMBER F-093-2(2)		SHEET _____ OF _____	



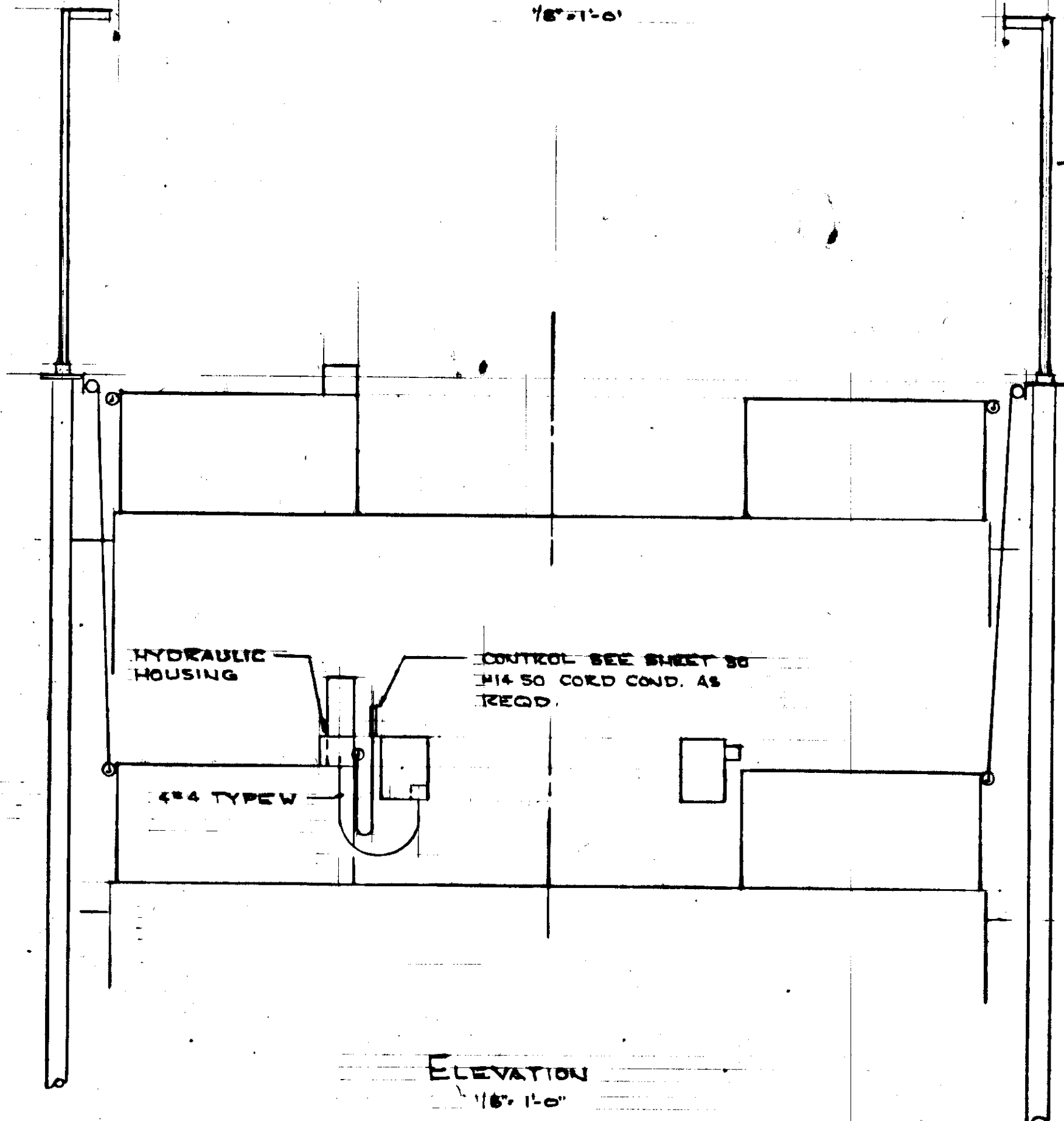
STATE	ALASKA
PROJECT DESIGNATION	F-093-2(2)
YEAR	1980
SHEET NO.	48
TOTAL SHEETS	48

E-2

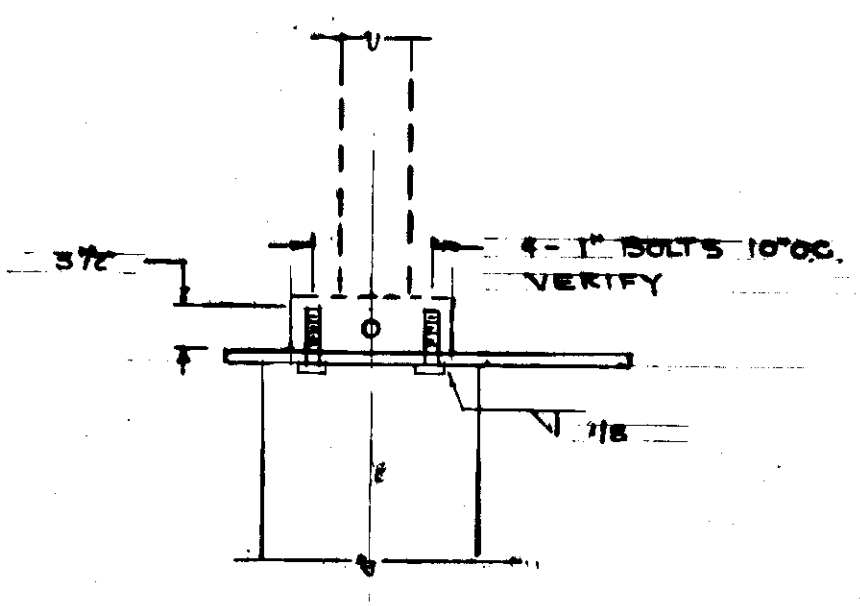
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-093-2(2)	1980	47	48



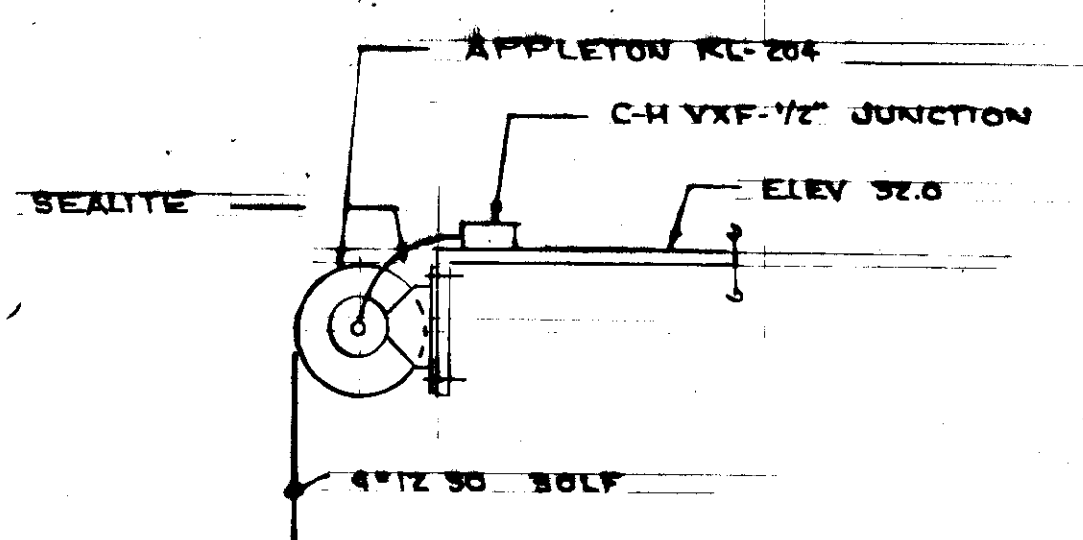
DETAIL PLAN
1/8" = 1'-0"



ELEVATION
1/8" = 1'-0"

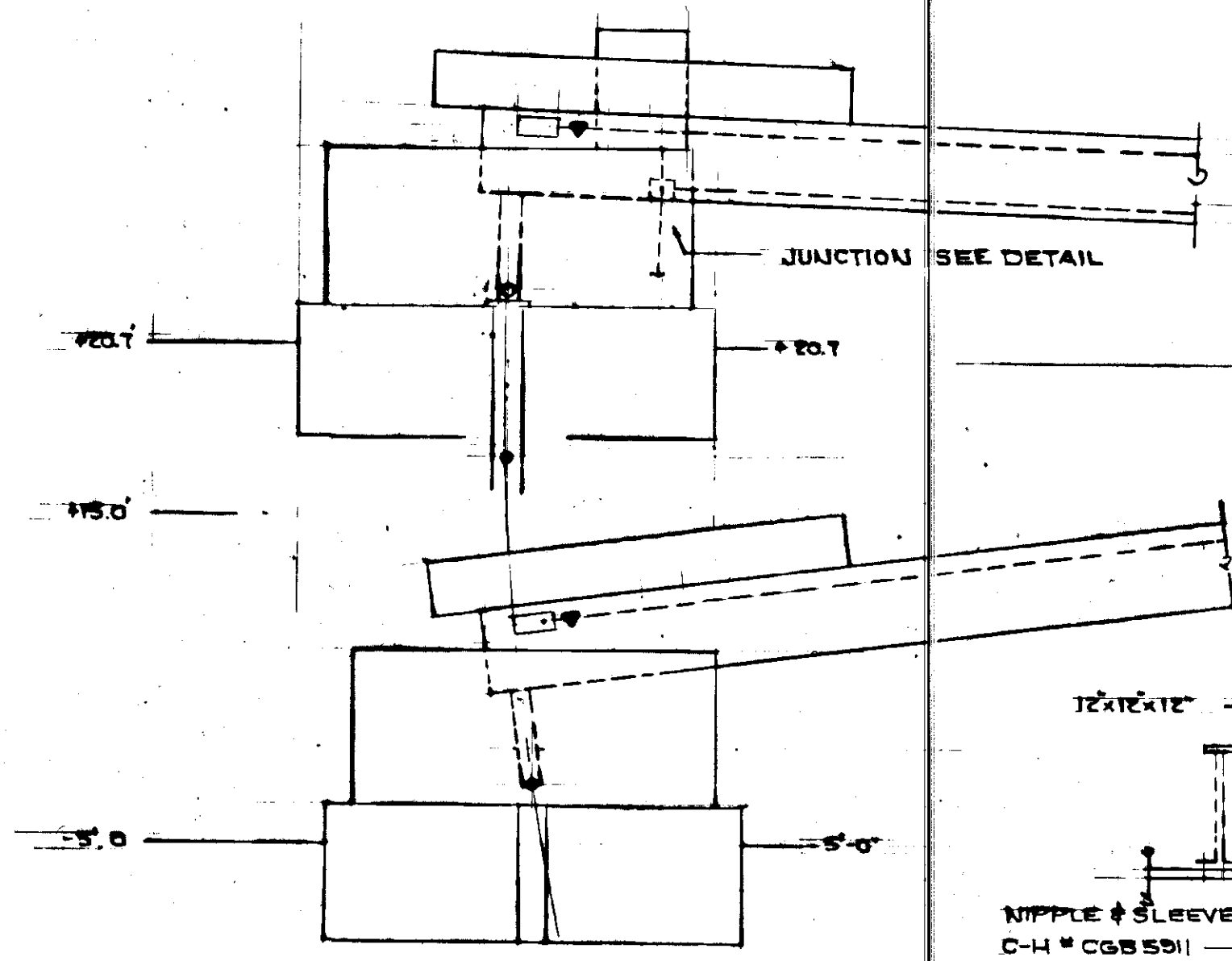


FIXTURE DETAIL
3/4" = 1'-0"

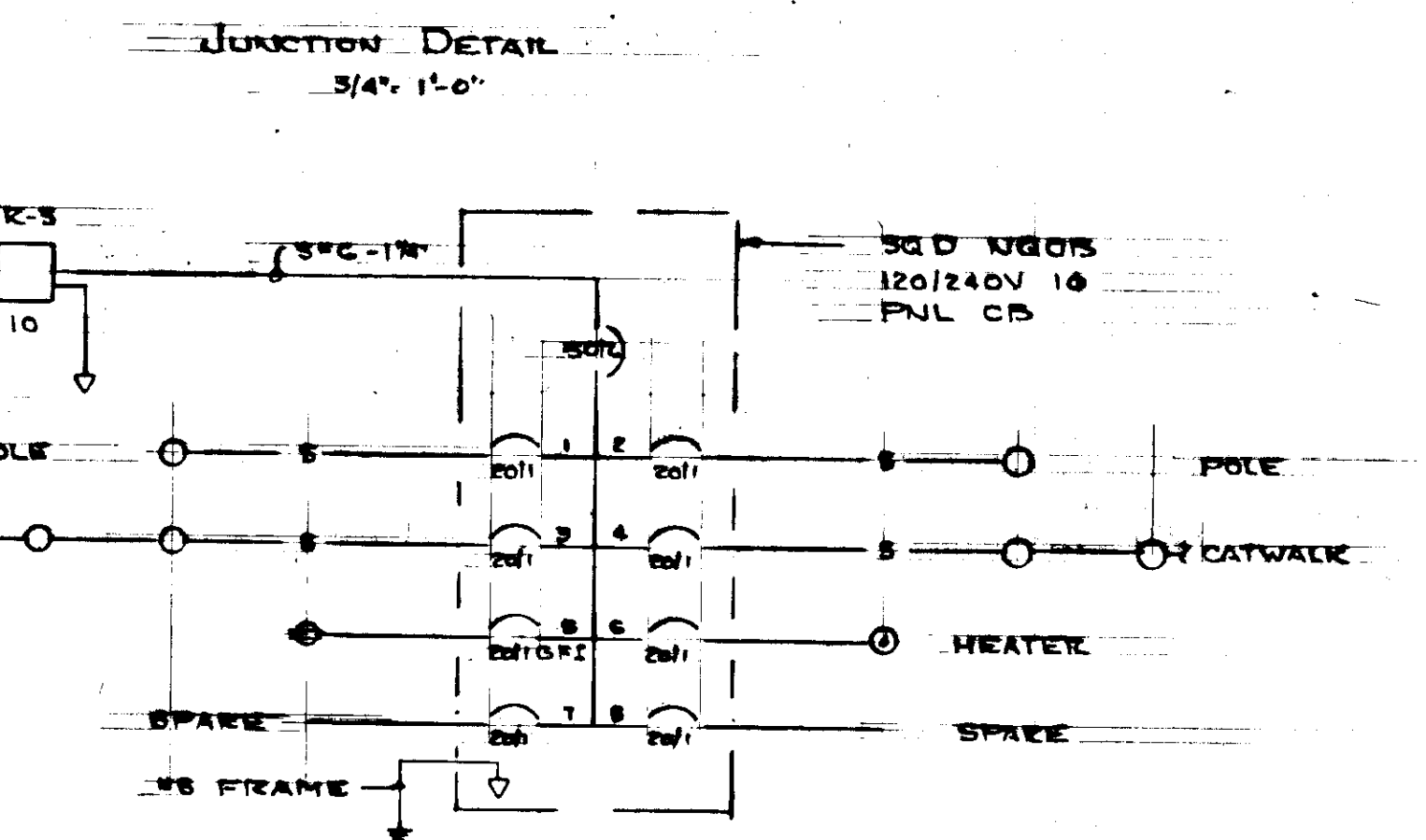
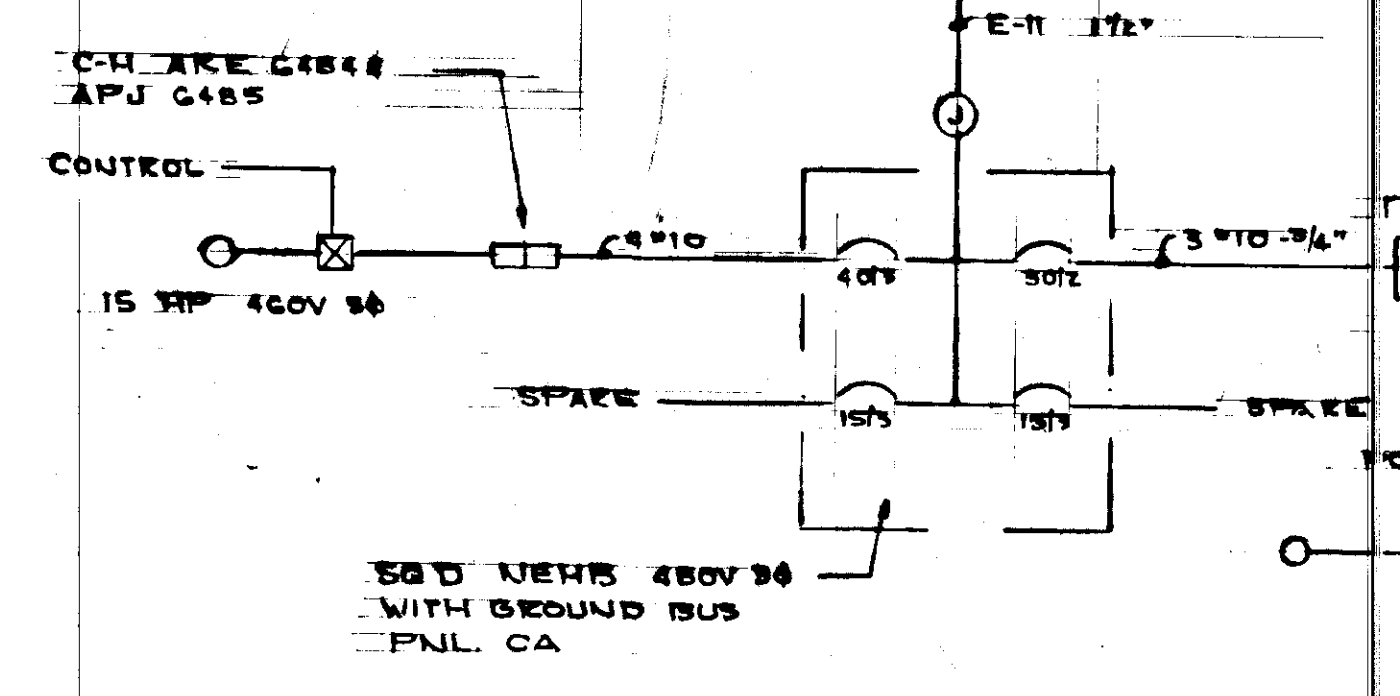


CABLE REEL DETAIL
3/4" = 1'-0"

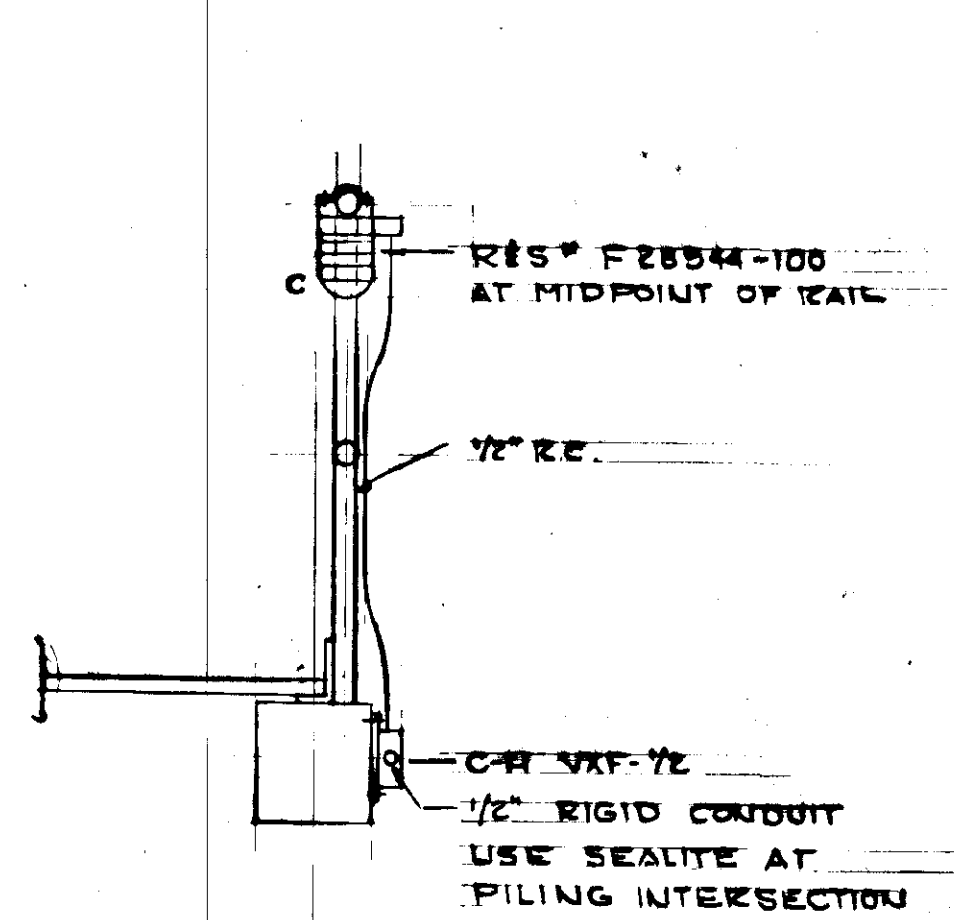
1/2" HILTIEN * 15CP 255UG-80
POLE 25' STEEL HOT DIP
GALV AFTER FABRICATION
125MPH MIN



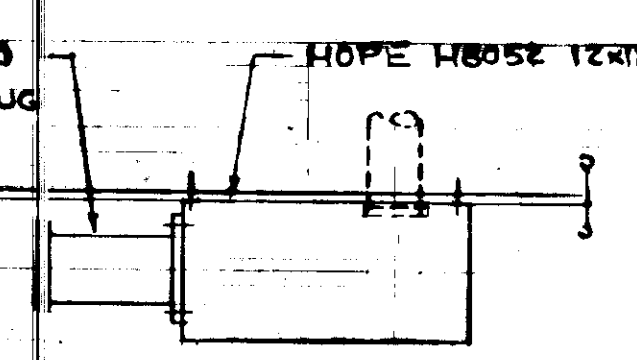
SECTION A-A
1/8" = 1'-0"



ONE LINE DIAGRAMS
NO SCALE



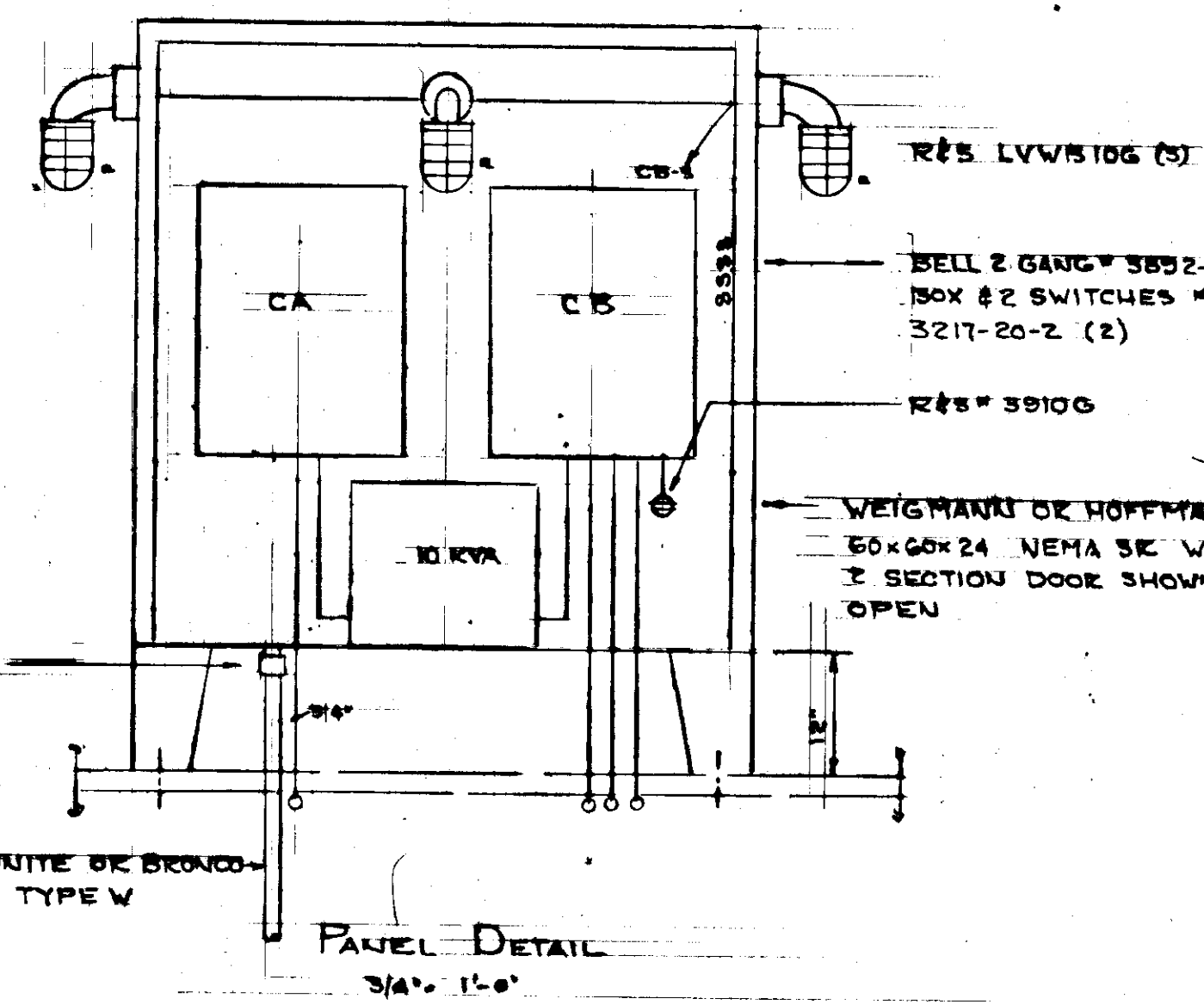
CATWALK FIXTURE
3/4" = 1'-0"



PLAN

ELEVATION

400A OUTLET
3/4" = 1'-0"



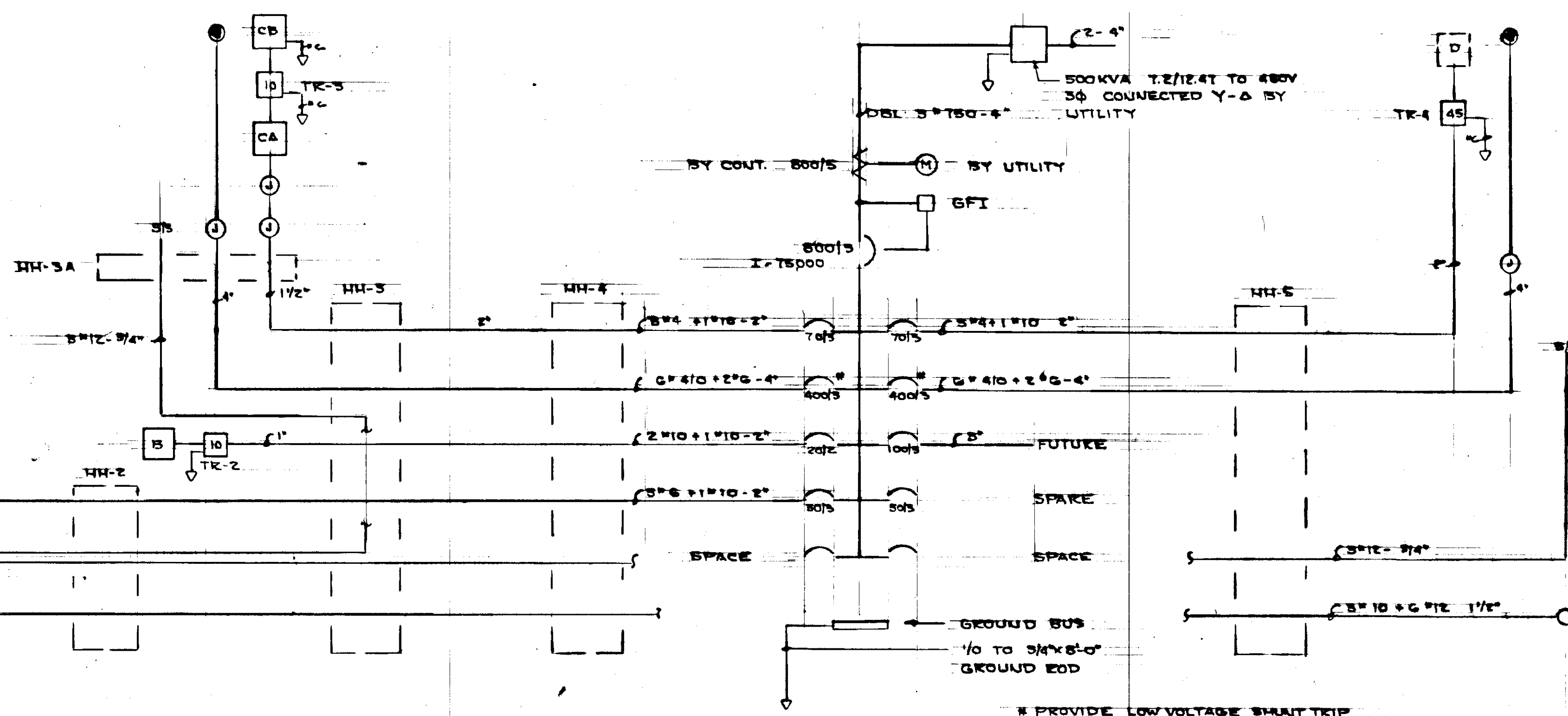
PANEL DETAIL
3/4" = 1'-0"

PROJECT NO. STP-093-3(7) 1,75265
AS-BUILT INFO. SHEET 38 OF 39

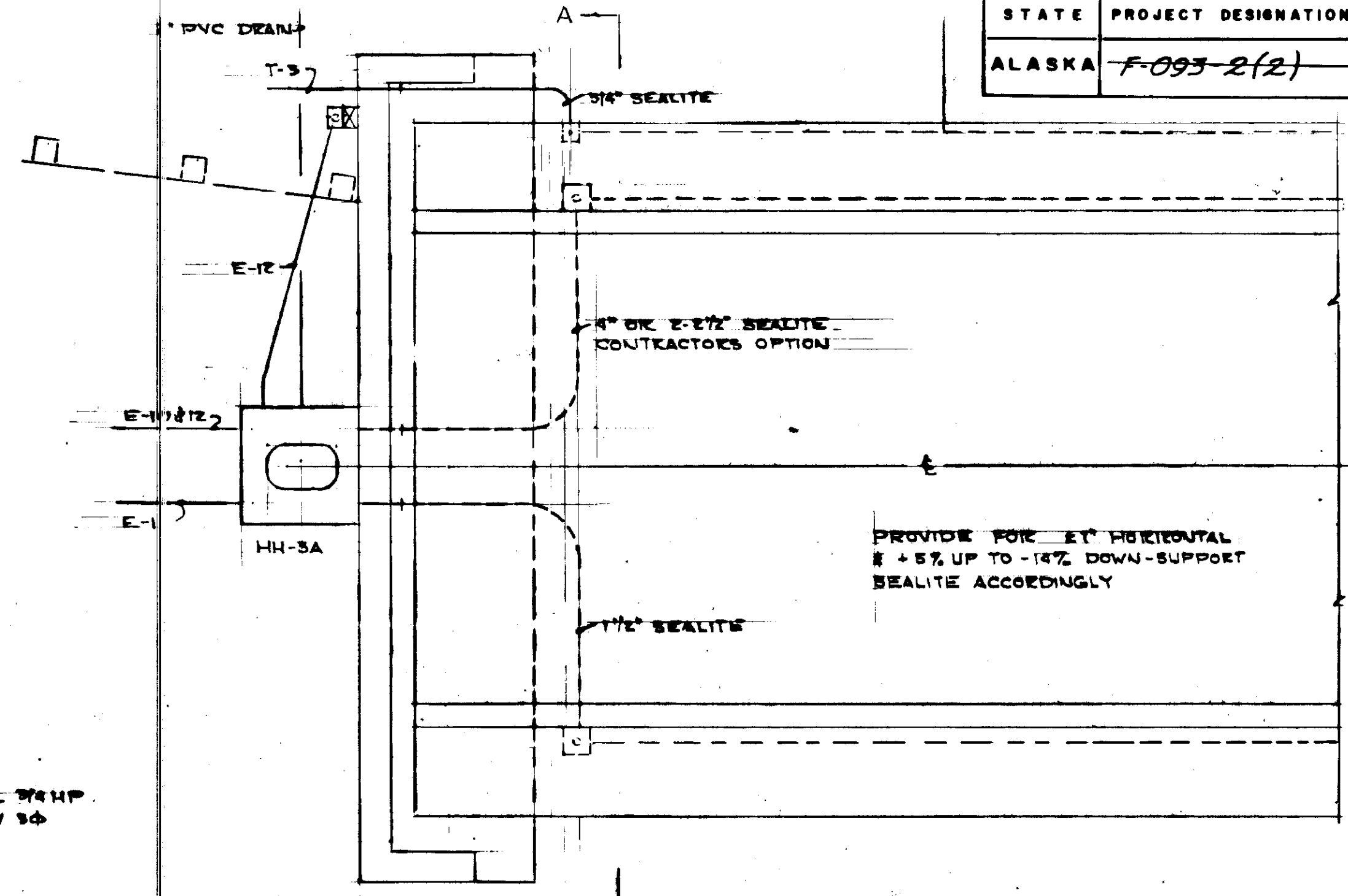
	DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DIVISION OF HARBOR DESIGN AND CONSTRUCTION	
ELECTRICAL DETAIL		
SCALE NOTED	SURVEYED	APPROVED
DESIGNED LPL	DRAWN	
CHECKED	DATE	DIRECTOR
PROJECT NUMBER F-093-2(2)	SHEET _____ OF _____	

COMM. APPARATUS COFFER -
CAC 151316 TEL. JACK

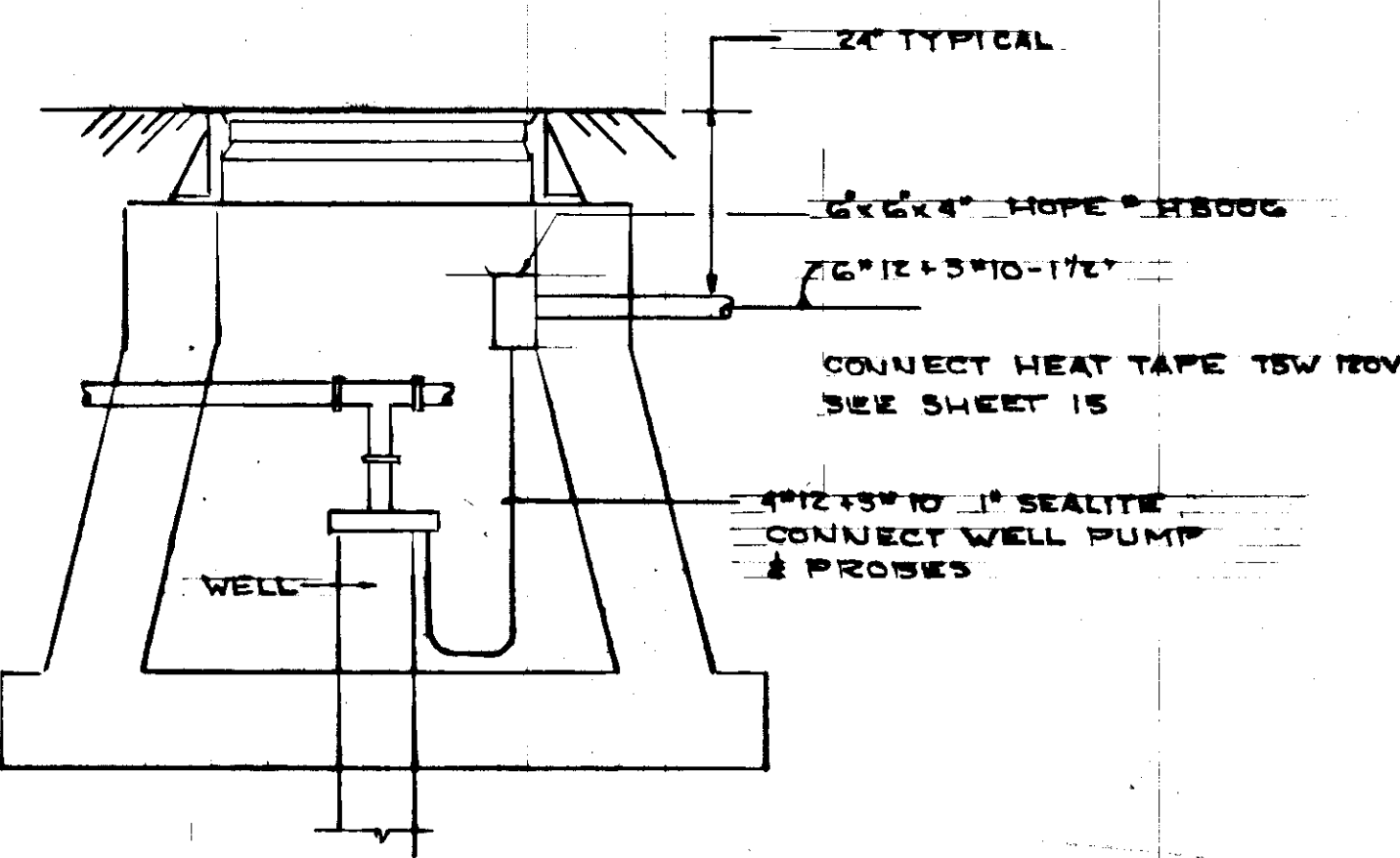
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-093-2(2)	1980	48	48



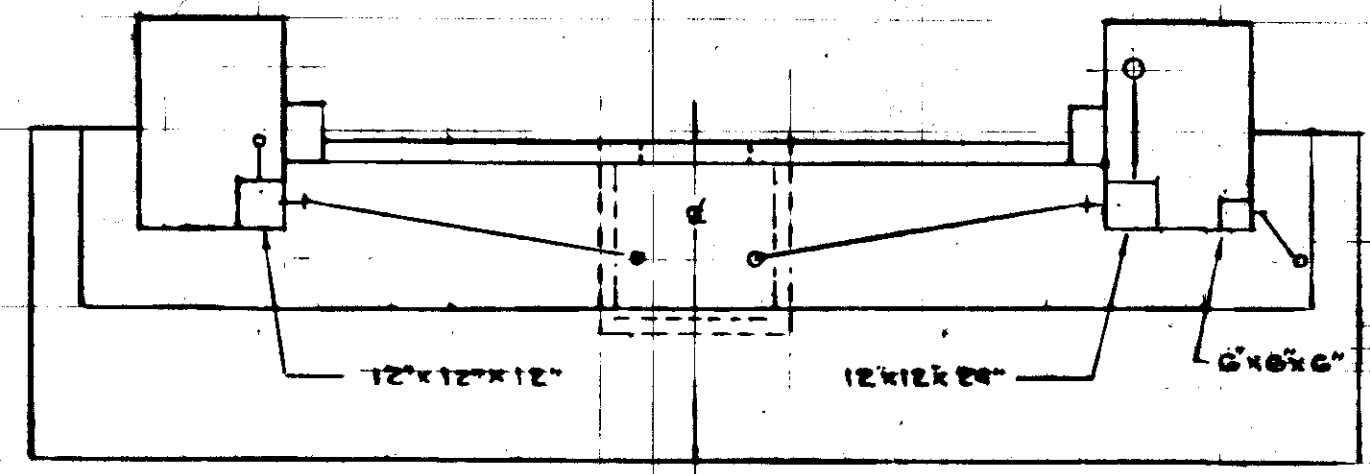
ONE LINE DIAGRAM
NO SCALE



TRANSFER BRIDGE NO 2 PLAN
1/4" = 1'-0"

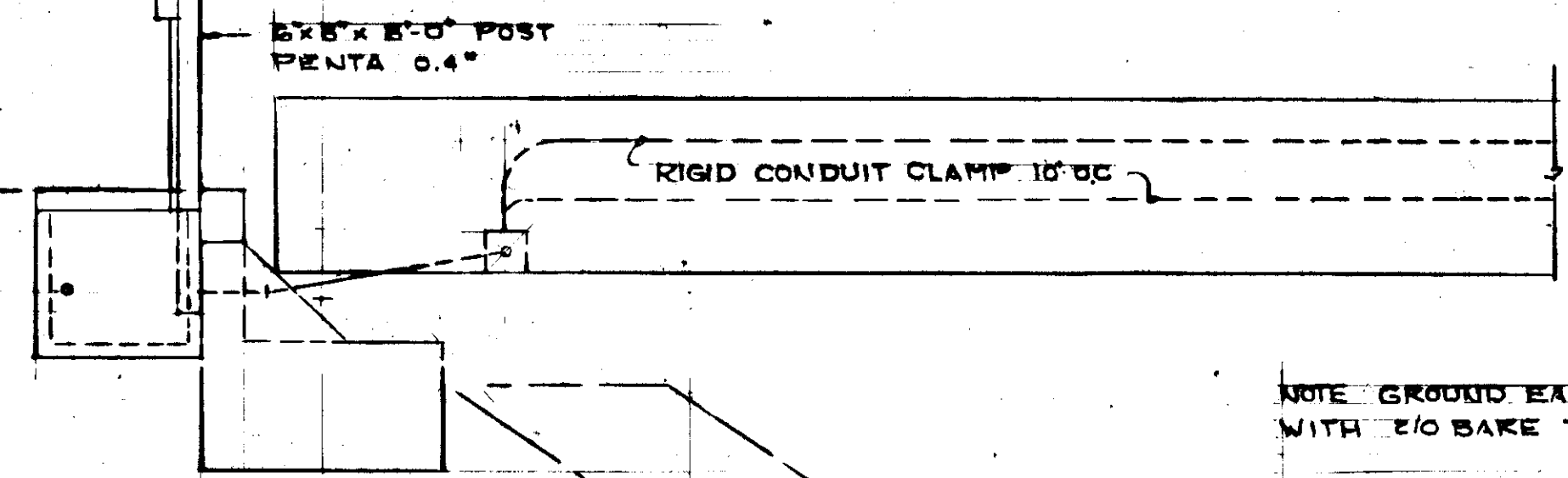


WELL DETAIL
3/4" = 1'-0"



SECTION A-A
1/4" = 1'-0"

HOFFMAN A-BE8 SHCK
8" x 8" x 6" SE WITH 1/2" D
START-STOP CLASS DOOR
KYK-81



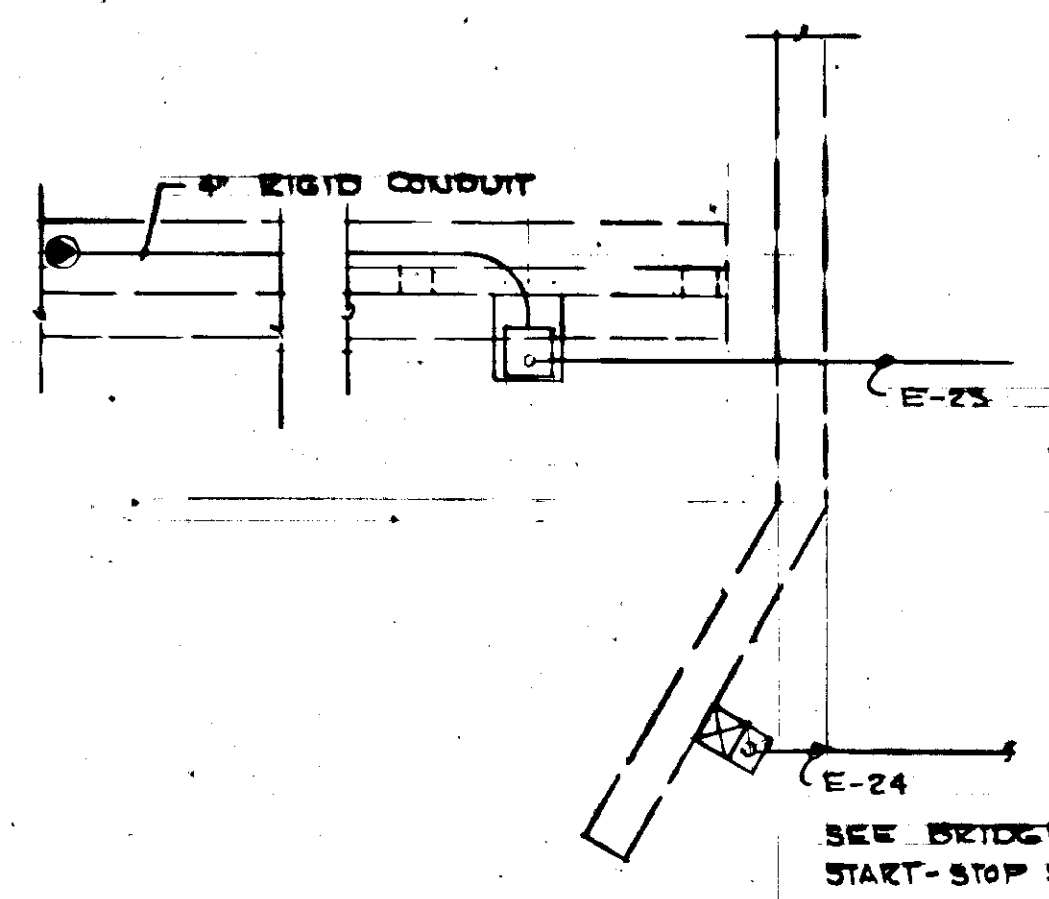
ELEVATION
1/4" = 1'-0"

3/16" F.F. ALL WELDING
HOT DIP GALV COORDINATE
MOUNTING HOLES

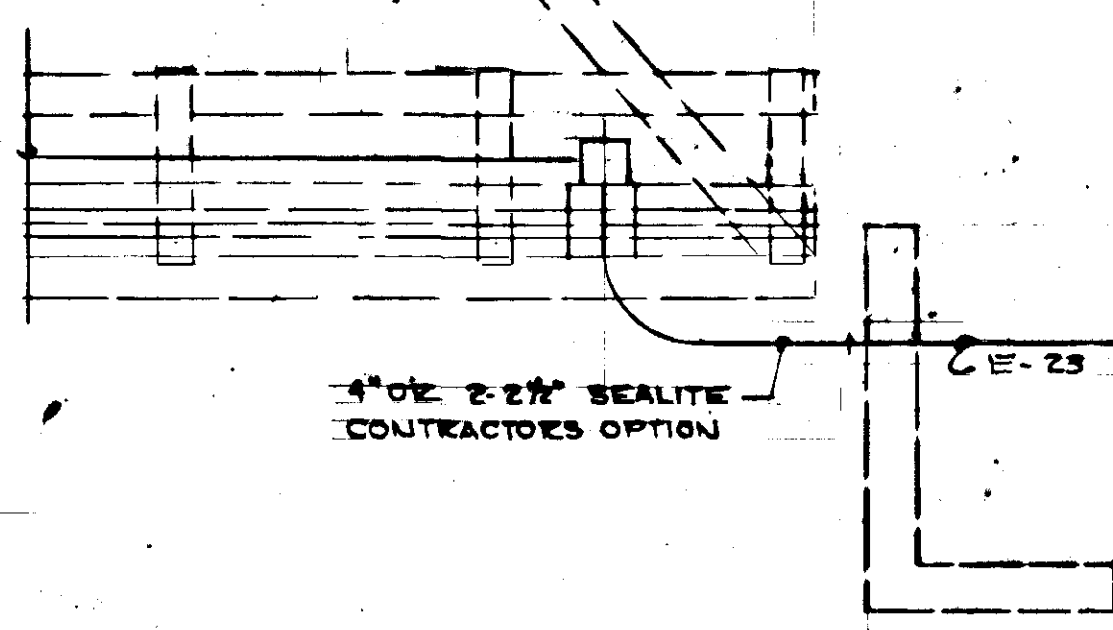
Electrical Detail

TRANSFORMER SCHEDULE					
No	KVA	φ	V	V	REMARKS
TR-1	15	3	480	120/208	SEE DETAIL E-2
TR-2	10	1	480	120/240	" " E-2
TR-3	10	1	480	120/240	" " E-3
TR-4	45	3	480	120/208	" " E-2

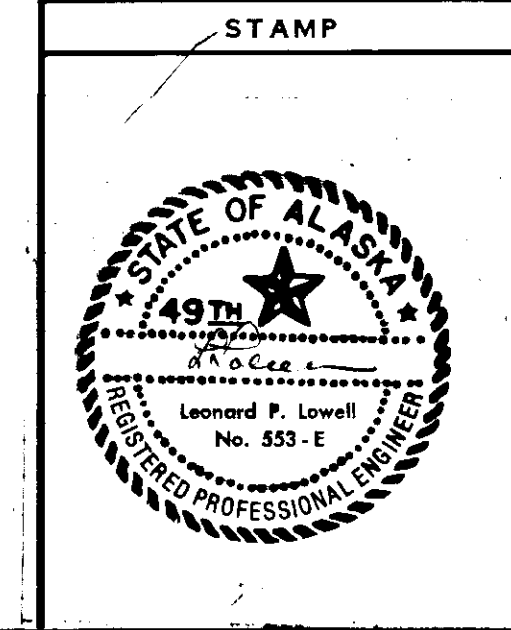
ALL TRANSFORMERS TIERNNEY OR EQUAL WITH TAPS - CLASS M
EPOXY COATED FOR OUTDOOR SALT AIR ATMOSPHERE



PLAN BRIDGE NO 1
1/4" = 1'-0"



ELEVATION
PROJECT NO. STP-093-3(7) / 75265
AS-BUILT INFO. SHEET 39 OF 39



DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DIVISION OF HARBOR DESIGN AND CONSTRUCTION		
ELECTRICAL DETAIL		
SCALE NOTED	SURVEYED	APPROVED
DESIGNED: LPL	DRAWN	DIRECTOR
CHECKED	DATE	
PROJECT NUMBER F-093-2(2)	SHEET	OF

E-4