

1" = 1'-0"

EDGE OF SUPPORT BARGE

SEE SHEET II

3/4" x 3/4" x 2'-6"
galv. steel tread
bars @ 1 7/8" o.c.
6 req'd for ramp
No. 2 & 4 req'd
for ramp No. 1

INTERMEDIATE
PLATFORM

TYP. 4 5/8"

TRANSITION RAMP No. 2.
SEE DETAILS THIS SHEET

TRANSITION RAMP No. 1.
SEE DETAILS THIS SHEET

eg. contact,
stagger

3/4" x 3/4" x 2'-5" galv.
steel tread bars @ 12" o.c. 8 req'd for
Gangway A

Gangway A

SEE SHEET II

H REO'D.

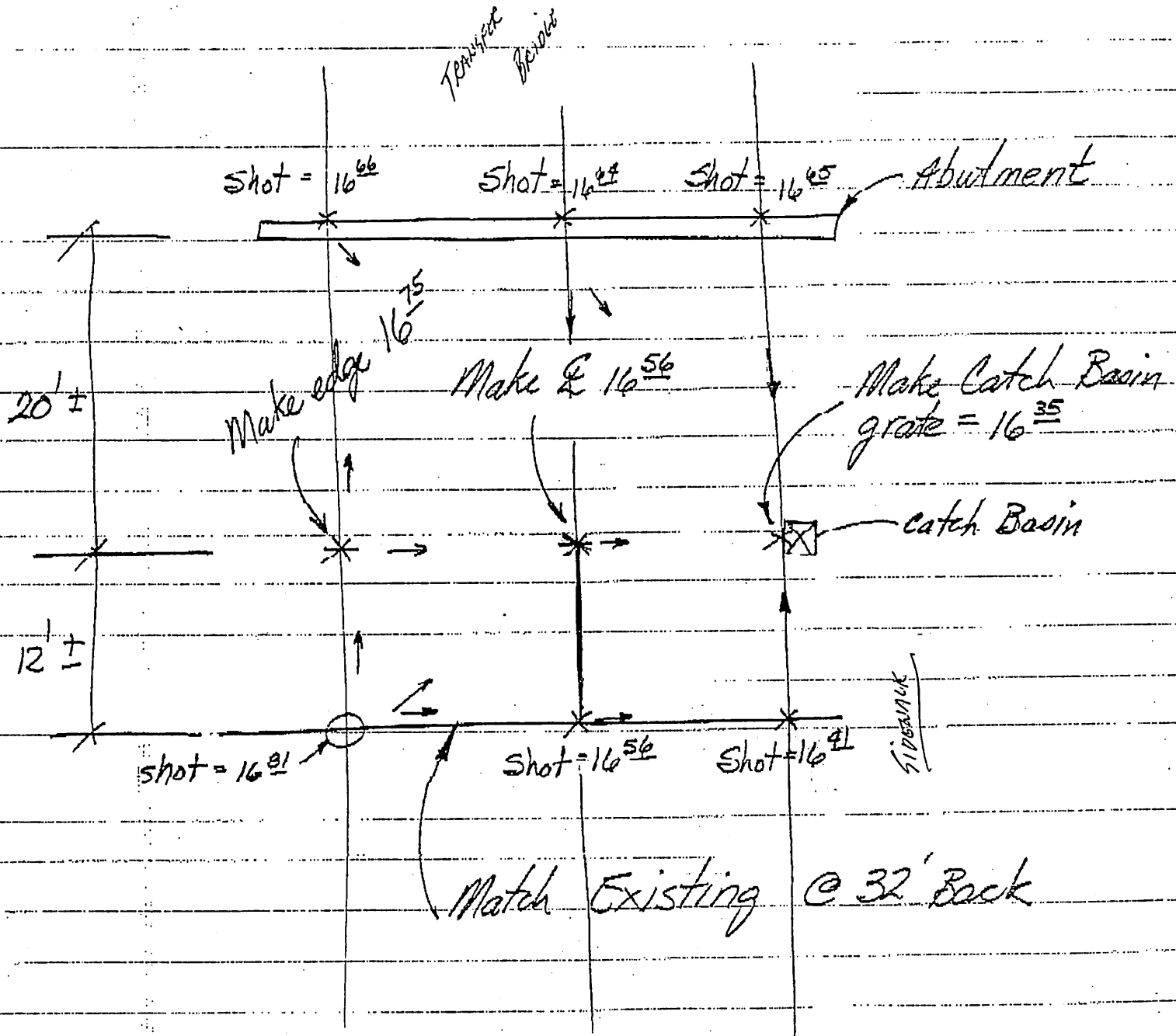
SITKA FT./RS-M-0935(9)

Change Order No. 9

ATTACHMENT "B" TO PAGE 35

ACCESS PLATFORM & GANGWAYS
PLAN VIEW

CUT 1 OF 2



FROM OFFICE

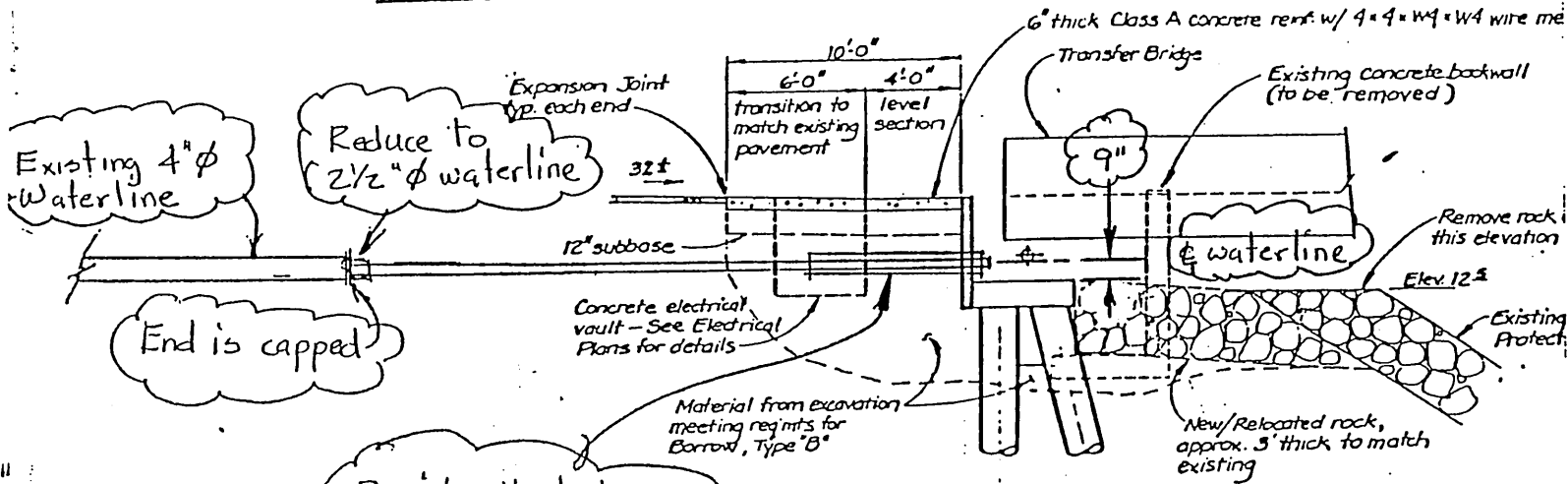
PROJ. No. BS-BR-M-0935(9)

SITKA FERRY TERMINAL IMPROVEMENTS

SITKA ABUTMENT

& Approach
Grades

10/14/88



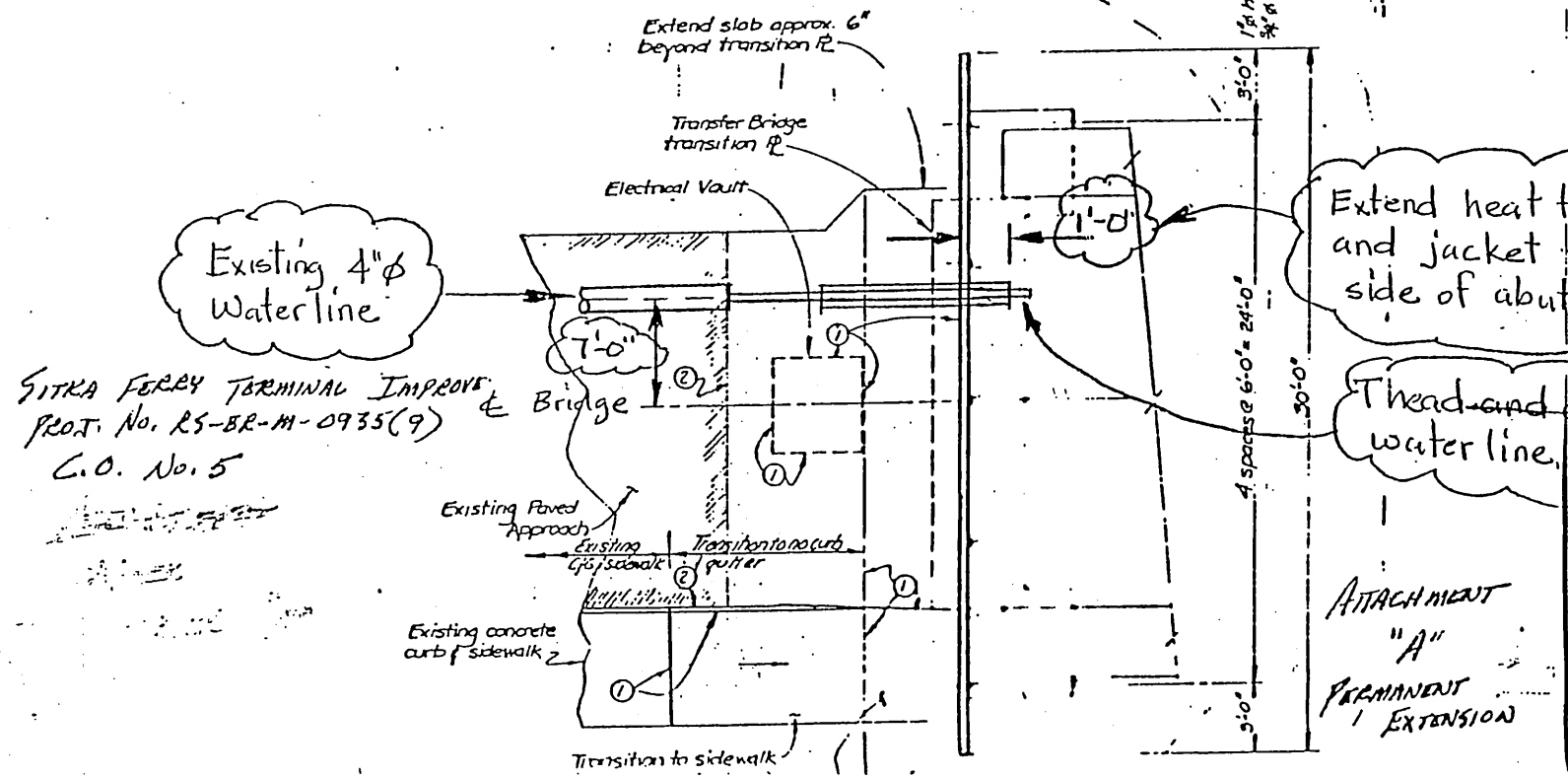
Existing 4" ϕ Waterline

Reduce to 2 1/2" ϕ waterline

End is capped

Provide Heat trace insulation and jacket to 5'-0" behind abutment wall

SECTION @ ABUTMENT



Existing 4" ϕ Waterline

SITKA FERRY TERMINAL IMPROVEMENT
 PROJ. No. RS-BR-M-0935(9) & Bridge
 C.O. No. 5

Extend heat trace, insulation, and jacket to 1'-0" seaward side of abutment wall.

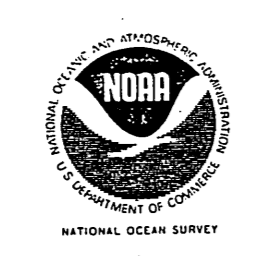
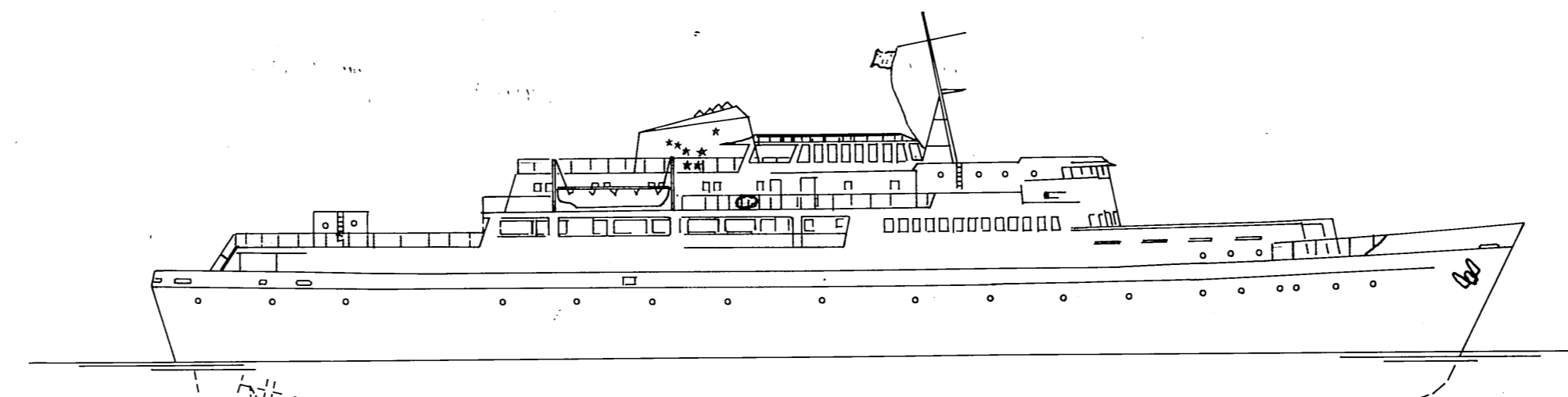
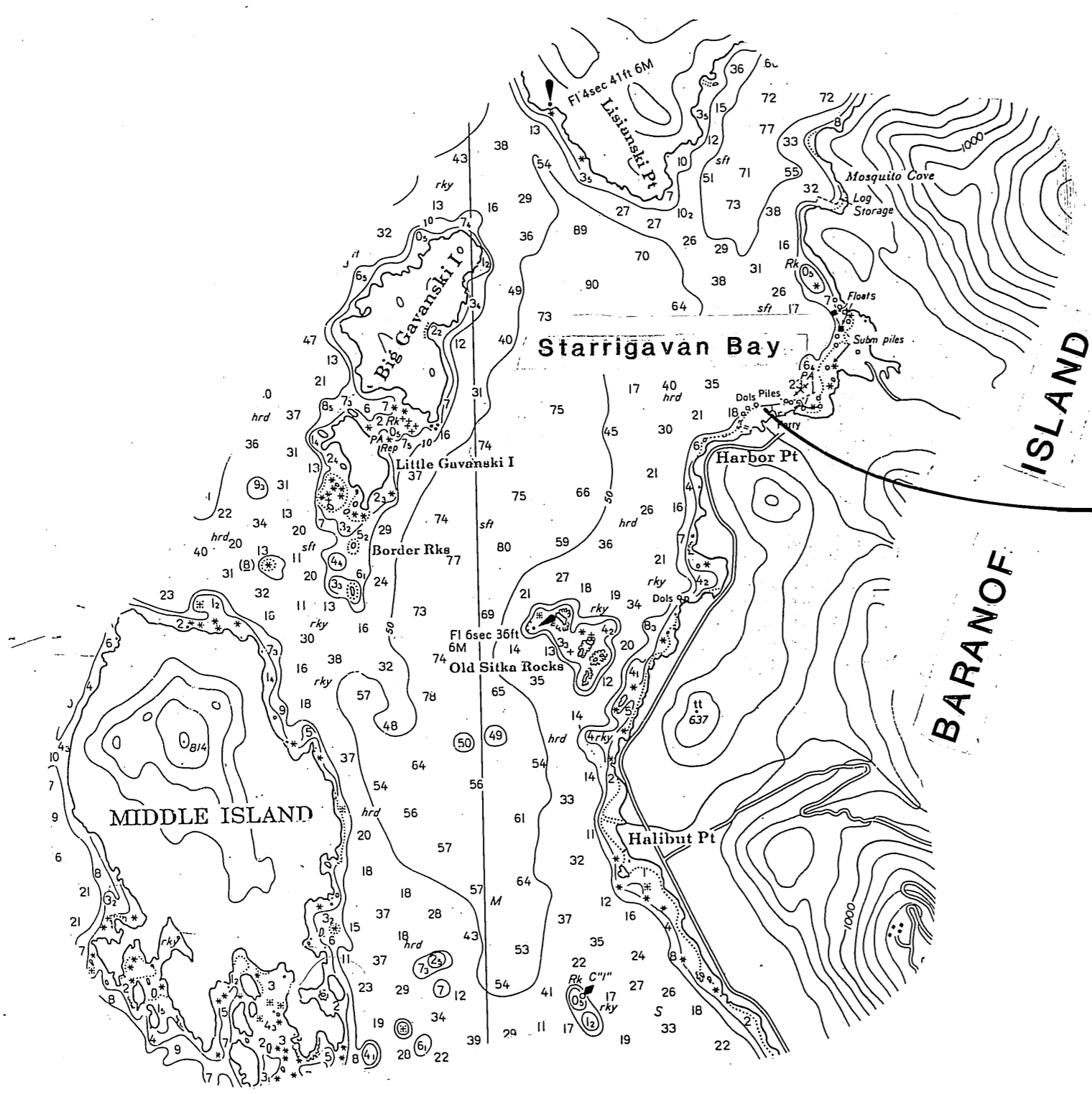
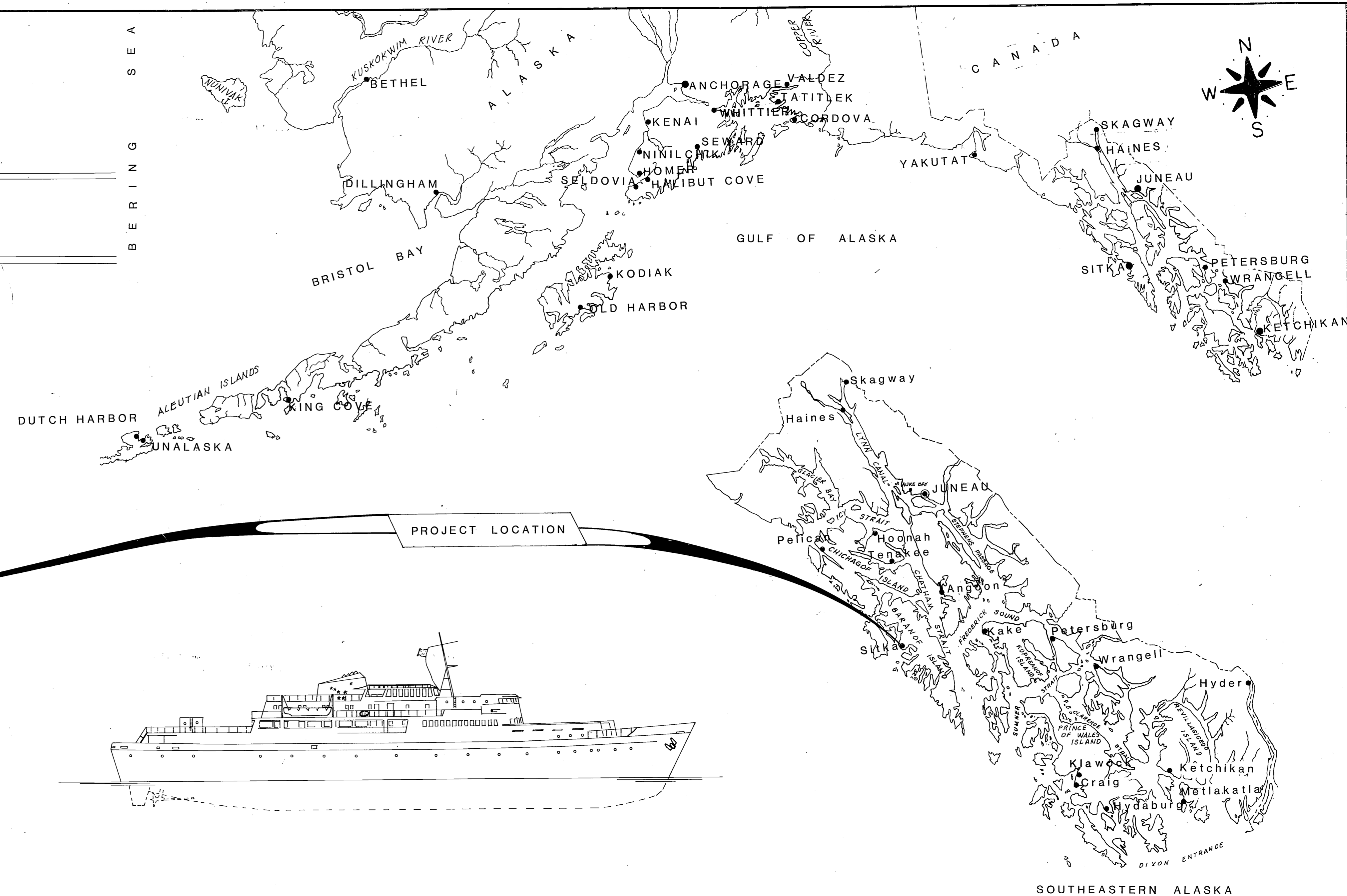
Thread and cap end of 2 1/2" ϕ water line.

ATTACHMENT
 "A"
 PERMANENT
 EXTENSION

State of Alaska
 AMHS/MFE
 Waterline Extension
 Sheet 1 of 1

SITKA FERRY TERMINAL IMPROVEMENTS

PROJECT NO. RS-BR-M-0935(9)



UNITED STATES
ALASKA - SOUTHEAST COAST

SITKA SOUND TO SALISBURY SOUND

INSIDE PASSAGE

Mercator Projection
Scale 1:40,000 at Lat. 57°12'
North American 1927 Datum
SOUNDINGS IN FATHOMS
(FATHOMS AND FEET TO ELEVEN FATHOMS)
AT MEAN LOWER LOW WATER

AS BUILT
START: OCTOBER 3, 1988
STOP: NOVEMBER 17, 1988
CONTRACTOR: MANSON CONSTRUCTION &
ENGINEERING CO., INC.
PROJECT ENGINEER: MARK HALVORSEN
DATE: JANUARY 18, 1989

STATE
OF
ALASKA

DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

MARINE FACILITIES

APPROVED

Mark Halvorsen
SHORE FACILITIES ENGINEER
Recommend For Approval
Group Design Chief
Sheet 1 of 41

INDEX TO SHEETS

1. Title Sheet	
2. Quantities & General Notes	
3. Existing Layout	
4. Seaward General Layout	
5. Uplands Site Plan	
6. Bridge Overall Plan	
7. Abutment	
8. Transfer Bridge Abutment Bearings	
9-21. Transfer Bridge	
22. Barge Restraint Structure	
23-33. Barge	
34. Support Platform Details	
35. Barge Access Platforms & Walkway Details	
36. Gangways	
37. Gangway Details	
38. Generator Building	
39-41. Electrical	

ESTIMATE OF QUANTITIES

GENERAL NOTES

PILING DATA

ITEM NO.	ITEM	PAY UNIT	ESTIMATED QUANTITIES	UNIT	TOTAL
109	DBE & WBE Adjustment	C.S.	All Req'd	C.S.	All Req'd
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
115	Traffic Maintenance	L.S.	All Req'd	L.S.	All Req'd
116	Furn. & Maint. Field Office	L.S.	All Req'd	L.S.	All Req'd
201	Removal of Structures and Obstructions <1>	L.S.	All Req'd	L.S.	All Req'd
301 (1)	18"dia. x 1/2"wall Pipe Piles, Furnished	L.F.	754	L.F.	754
301 (2)	24"dia. x 1/2"wall Pipe Piles, Furnished	L.F.	430	L.F.	430
301 (3)	18"dia. x 1/2"wall Pipe Piles, Driven	EA.	10	EA.	10
301 (4)	24"dia. x 1/2"wall Pipe Piles, Driven	EA.	4	EA.	4
302 (1)	Transfer Bridge <2>	L.S.	253,000	lbs.	253,000
302 (2)	Steel Gangways, Catwalks and Platforms	L.S.	143,000	lbs.	143,000
302 (3)	Steel Barge and Restraint Structure Caps	L.S.	120,000	lbs.	120,000
501	Electrical and Illumination	L.S.	All Req'd	L.S.	All Req'd

SPECIFICATIONS:

Construction: Per Contract Documents for Project No. RS-M-0935 (9)

Design: Transfer Ramp. AASHTO 1983 with latest interim specifications.
Barge and Restraint Dolphins: Marine Facilities Standards

DESIGN LOADS:

Bridge: LL - HS20-44 and 60 psf pedestrian
DL - no allowance for future wearing surfaces

Support Barge: DL+LL Bridge floating with ballast / suspended without ballast
Hull: 7ft. immersion

Catwalks and Gangways: DL+LL (60psf)

Restraint Structure: Vertical - Barge (no ballast) + Bridge (LL+DL)
Horizontal - Barge with 6 Kt current

DESIGN UNIT STRESSES:

Steel: A36 Fs = 20.00 ksi
A252 Gr. 2 Fs = 19.25 ksi
A500 Gr. B Fs = 25.00 ksi
A572 Fs = 27.00 ksi
A108 Fs = 29.00 ksi
A608 Gr. D Fs = 30.00 ksi

Concrete: Min. 28 day strength; Class A-A = 5.0ksi, Class A = 4.0ksi

Reinforcing Steel: Fy = 60.00 ksi

Glu-Lam Timber: Doug Fir, Comb 2, Wet Use, Fb = 1.40 ksi

MATERIALS:

Steel: Tube Sections A500 Gr. B
Pipe A252 Gr. 2
A501
A53 Gr. B type E or S
Pipe A53 Gr. B type E or S

All other shall be A36 or A572 as noted. Charpy Group 2 impact requirements shall apply

PROTECTIVE COATINGS:

Barge - System 165 (Sect. 303). Platforms galv. after fabrication
Transfer Bridge - System 2, 3 or 4 (Sect. 303). Apron galv. after fabrication
Gangways - Galvanize subsequent to fabrication
Reinforcing Steel - Epoxy coated
Glu-Lam - Creosote 12 pct subsequent to fabrication
Weldments - Galvanize subsequent to fabrication
Piling - Galvanized
Hardware - Galvanized subsequent to fabrication

PILING:

Size - 18" and 24" dia. x 0.5" wall
Tips - APF 0-14000 drive shoes or equal

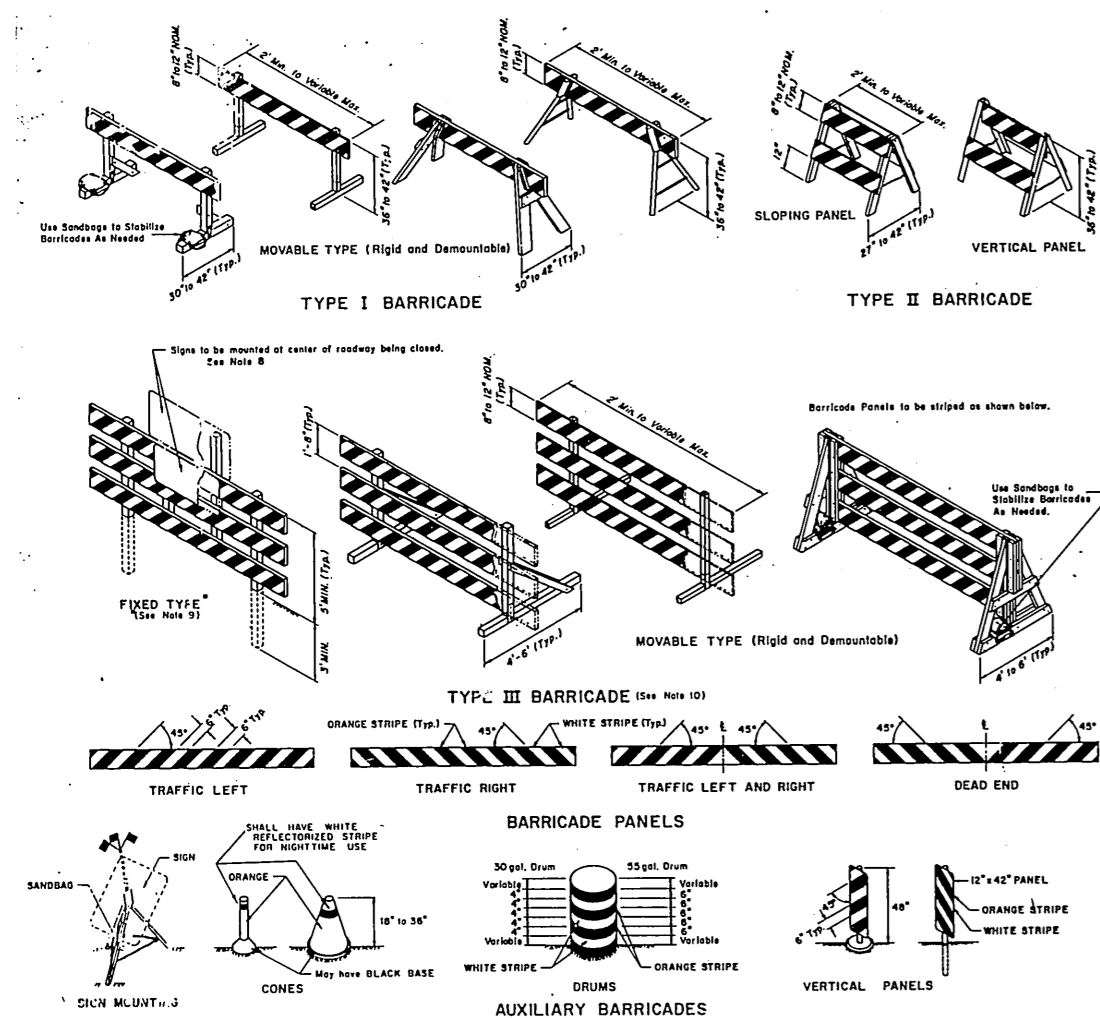
OILS / LUBRICATION:

Contractor shall provide all oils and lubricants 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 Grease MS.

LOCATION ORIENTATION	DIAMETER (inches)	CAPACITY IN TONS		TIP ELEVATIONS		CUTOFF ELEV
		BEARING	UPLIFT	MIN.	EST.	
RESTRAINT DOLPHIN						
Vertical	24	100		-50	-95	+12.40
Batter	18	50		-50	-90	+15.90
SUPPORT PLATFORM						+22.98
Vertical	18	10		-35	-35	1 - +23.29 2 - +22.88 +23.03
ABUTMENT						
Vertical	18	50		-20	-35	+11.88
Batter	18	50		-20	-35	+11.88

<1> Includes approx. 5cy of Class A concrete for sidewalk/apron reconstruction work.

<2> Includes approx. 3cy of Class A-A concrete for transfer bridge deck walkway.



- Construction barricades and construction signs shall be made of wood, metal, or other suitable weather resistant material.
- Barricades shall be fabricated structurally sound and sufficiently rigid to maintain the purpose and intent of a barricade facility and not be a hazard to motorists.
- Barricades and traffic control devices shall be maintained in a neat and orderly fashion prior to and during construction and maintenance operations. They shall remain in place only as needed.
- Barricades shall be subject to the approval of the engineer.
- Orange and white stripes shall be reflectorized.
- Type I and Type II barricades shall be striped on both sides, and stripes shall slope down toward the traffic side of barricade.
- Weights of concrete, stone, or brick shall not be allowed, and weights other than sandbags used to stabilize barricades shall be rigidly attached to the barricade so as not to create a hazard when struck by a vehicle.
- Construction signs shall be reflectorized or illuminated and per Alaska Sign Design Specifications (ASDS) and as per the MUTCD Alaska Supplement.

Traffic Control Plan

- The Contractor shall designate one of his employees the responsibility of installing and maintaining all required traffic control elements. All traffic control elements shall be maintained 24 hr./day. Refer to Section 115 of the specifications.
 - The Contractor shall conduct his operations so as not to interfere with normal scheduled ferry service or vehicular traffic to and from the existing ferry facilities, except for the closure provided for in the Specifications. Refer to Sections 114, 115 and 201 of the Specifications.
 - Ferry traffic shall have priority over construction activities and it shall be the Contractor's responsibility to coordinate his activities with ferry arrivals and departures.
 - Terminal personnel will dock, linehandle, stage traffic, and operate the transfer equipment.
 - Contractor shall provide safe access and lighting for terminal personnel to tie up points as required throughout the contract.
 - Once traffic has been switched to the new structures, terminal personnel will operate the new structures with assistance and instruction from the Contractor.
- All construction signing shall remain in place until the condition they delineate no longer exists.
- Once the Contractor begins work, the following traffic controls will remain in force until the project is completed:
 - The Contractor shall not stockpile any materials in the existing staging area without the approval of the Engineer.

AS BUILT

Mark LaBorene 1/18/99

STAMP

DO NOT SCALE THIS DRAWING - USE DIMENSIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SITKA ALASKA

QUANTITIES AND GENERAL NOTES

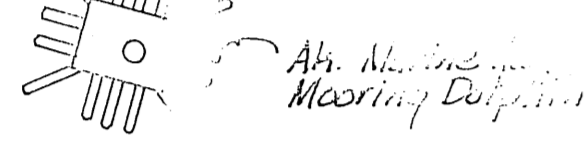
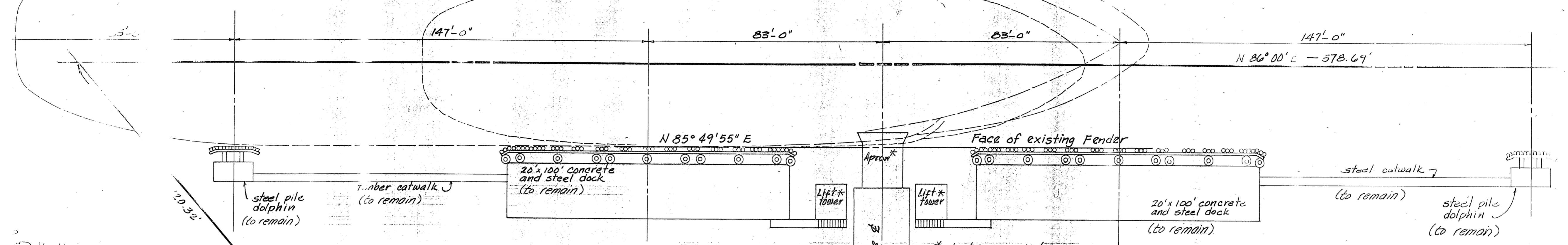
DESIGNED Staff CHECKED Staff DRAWN Staff DATE 9/87

PROJECT RS-M-0935 (9) SHEET 2 OF 41

9/15/87

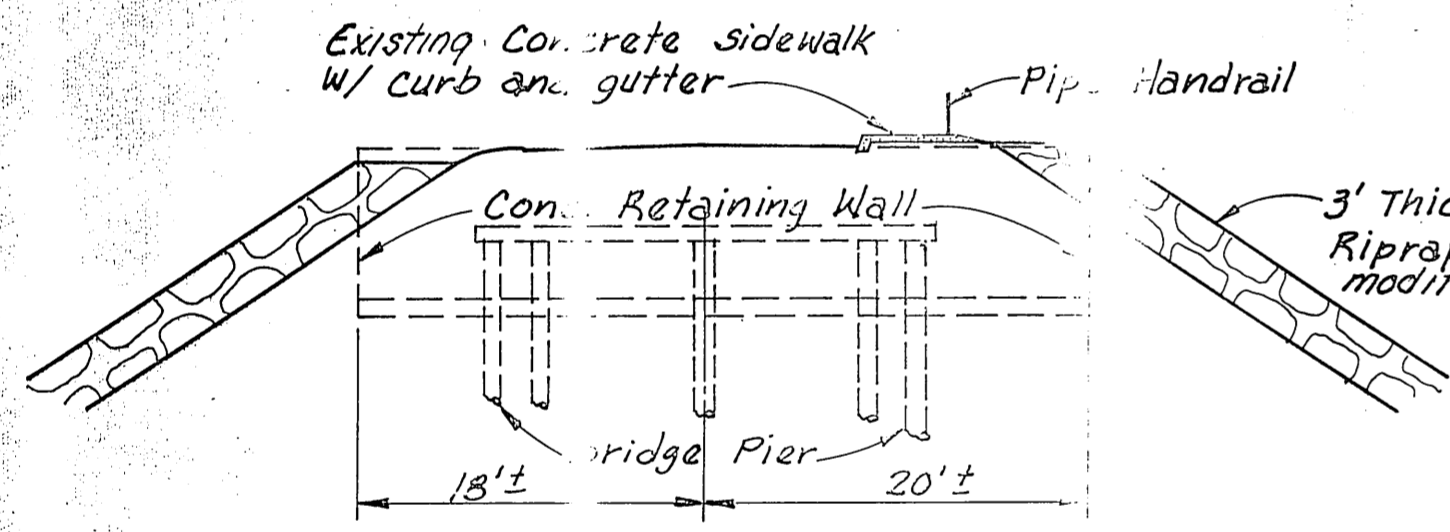
Malaspina / Matanuska

Leconte



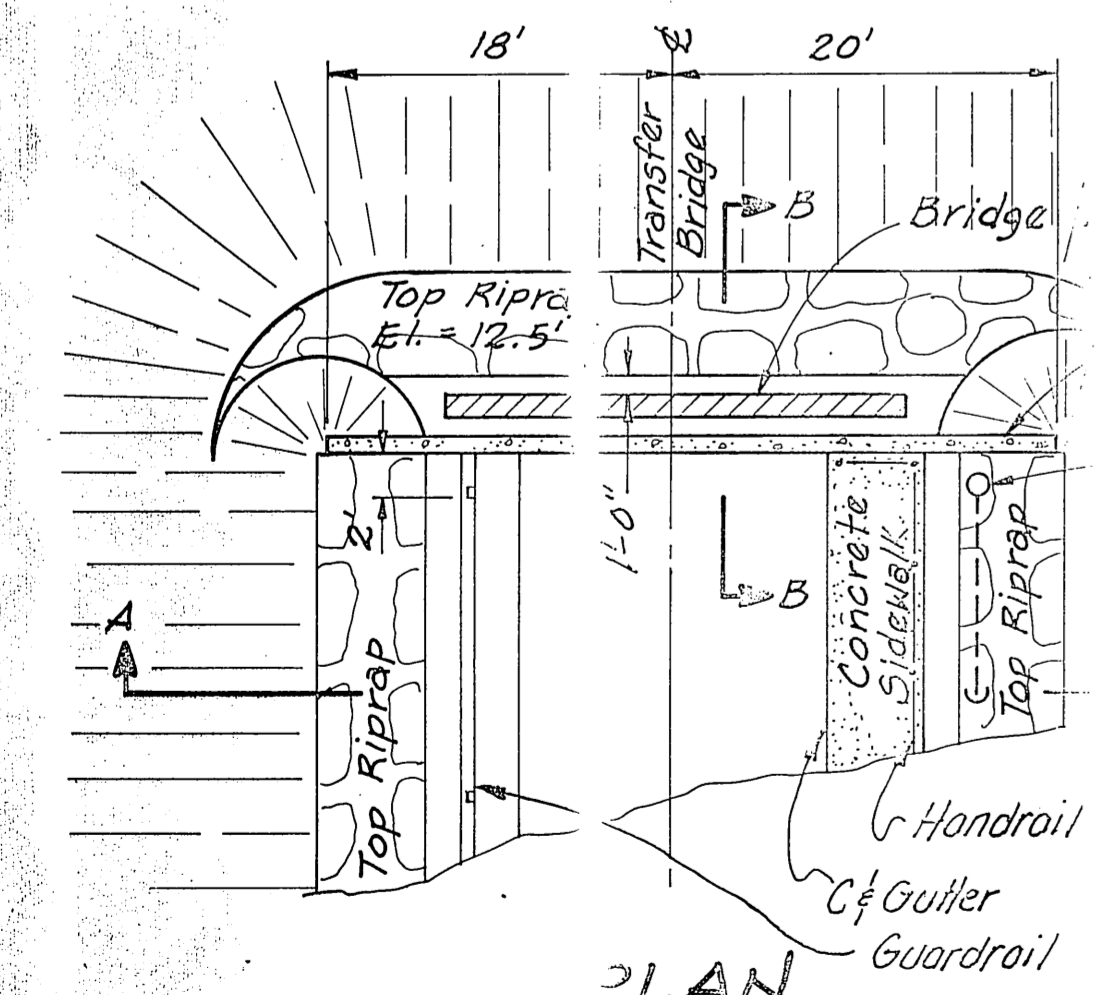
Mooring Dolphin

approx. location gang pile fender (existing)

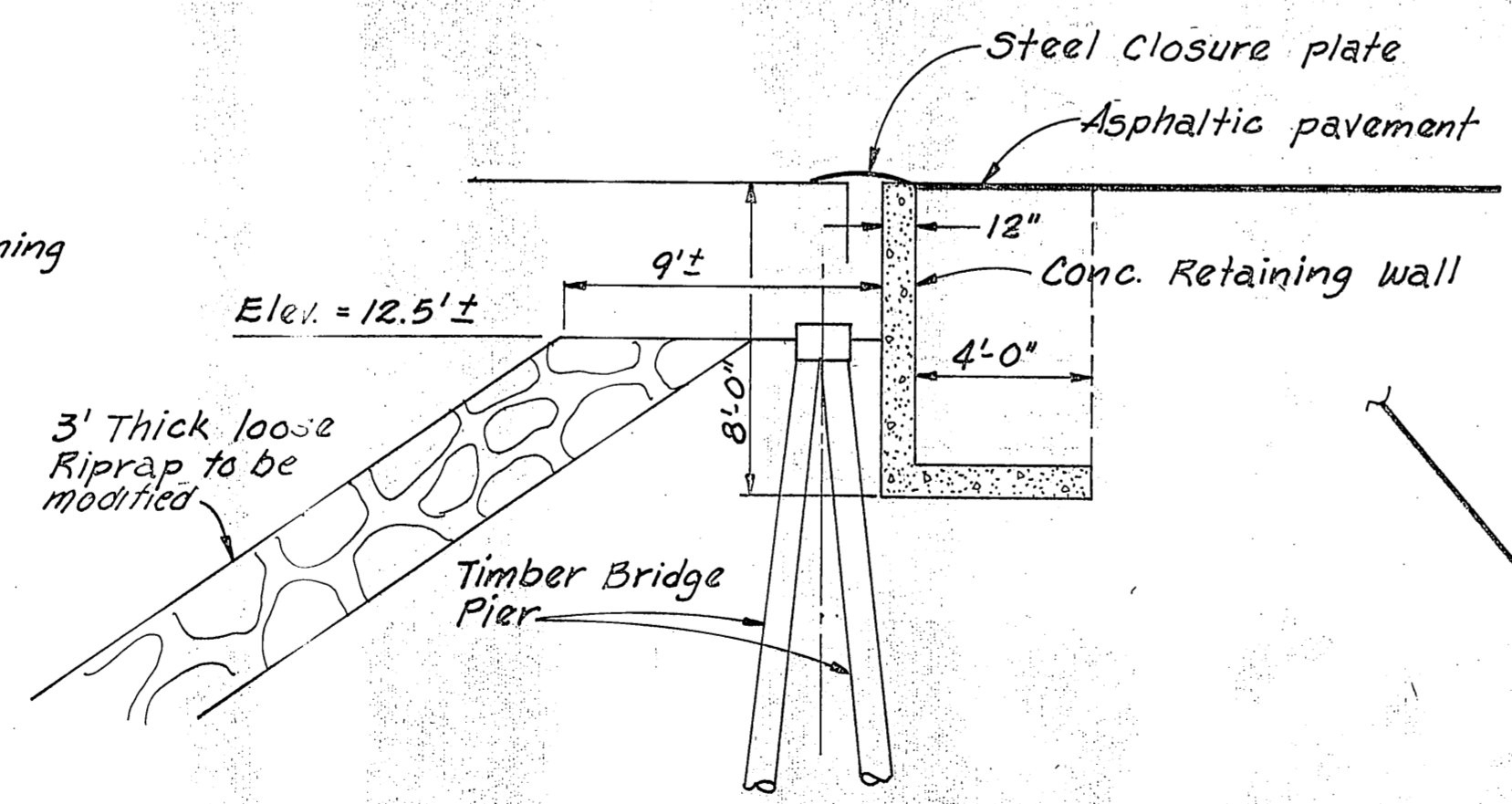


SECTION A-A

A.T.S. No. 1047
U.S.S. 3670
Allen Marine Ways



PLAN

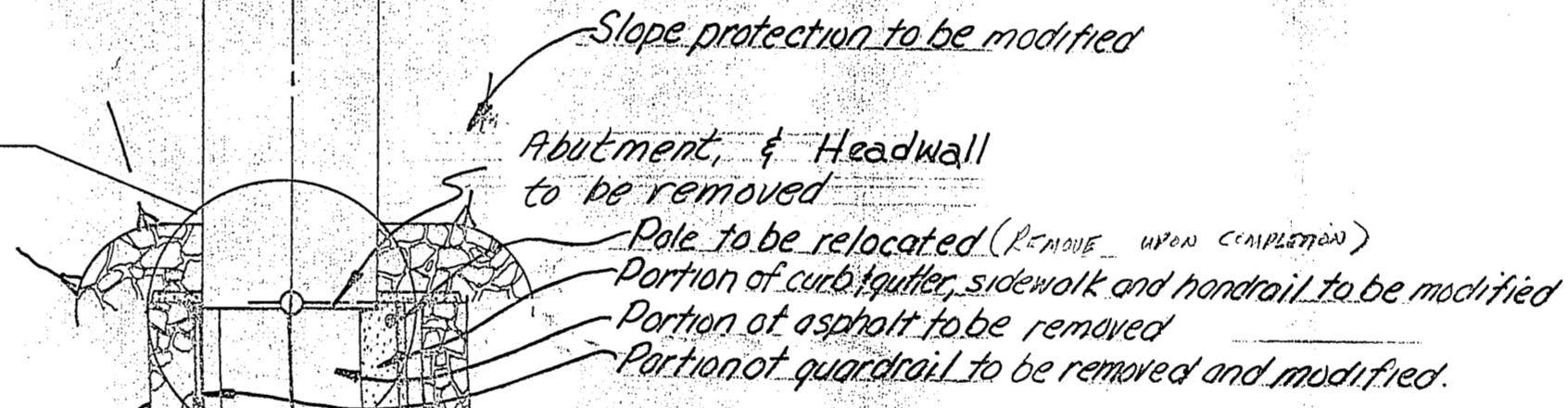


SECTION B-B

DETAIL "A"

See Detail A this sheet

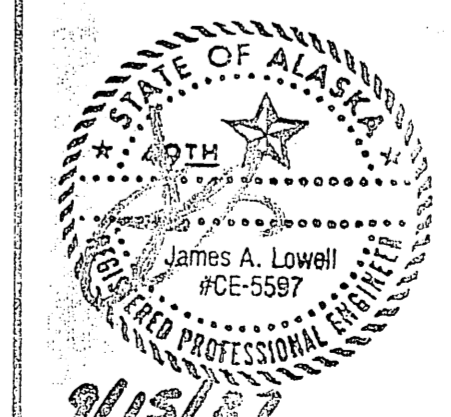
A.T.S. No. 130
U.S.S. 3670
State of Alaska, Marine Hwys.



A.T.S. No. 35
U.S.S. 3670
Alaska Lumber and Pul., Inc. / Samson T & B

As BUILT
Name & Date

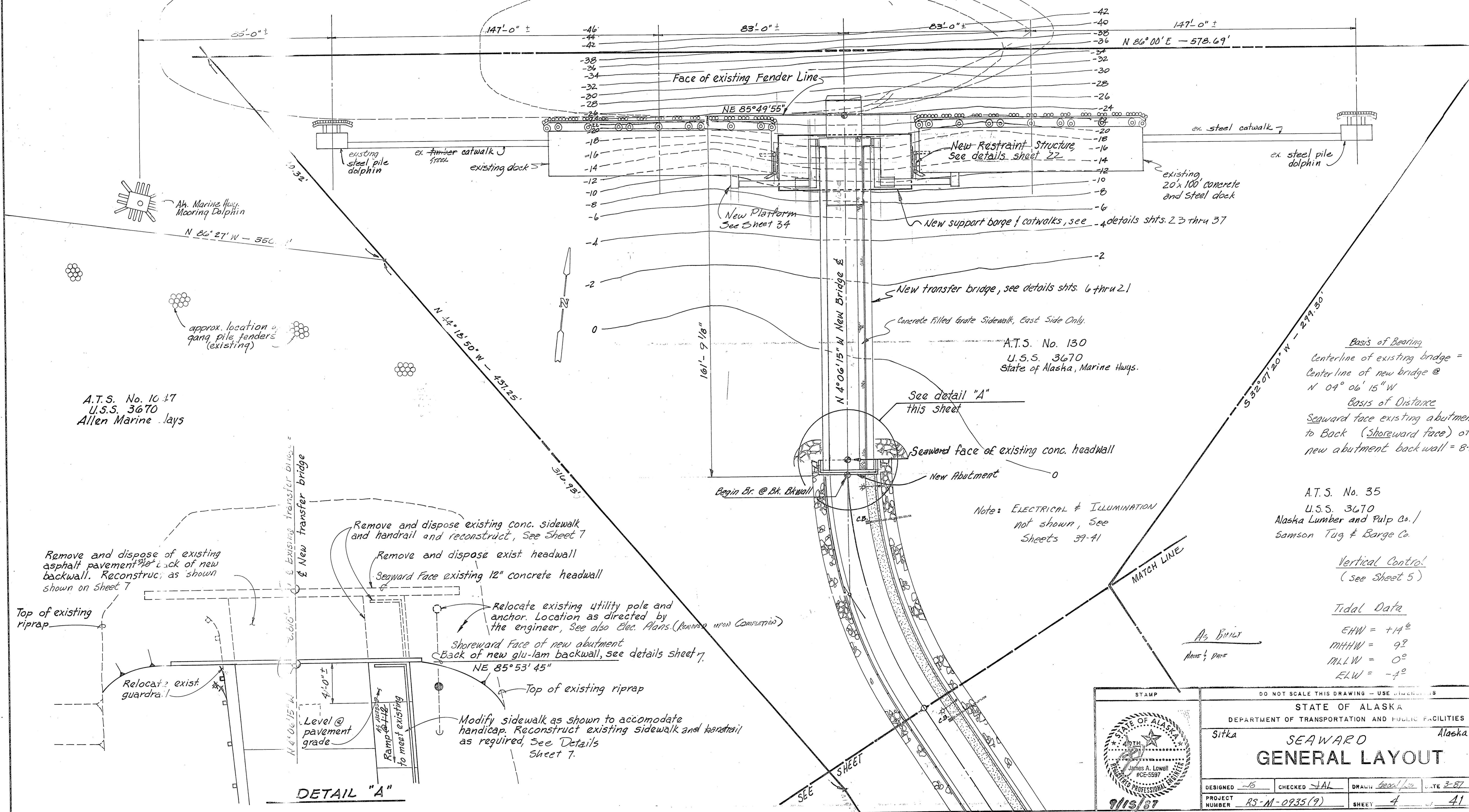
STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA			
DEPARTMENT OF TRANSPORTATION AND PUBLIC UTILITIES			
Sitka		Alaska	
EXISTING LAYOUT			
DESIGNED <i>TEN/Amis</i>	CHECKED <i>---</i>	DRAWN <i>Geord</i>	DATE <i>1-87</i>
PROJECT NUMBER <i>RS-M-0935(P)</i>	SHEET <i>3</i>		<i>41</i>



9/15/87

Malaspina / Matanuska

Leconte



A.T.S. No. 1047
U.S.S. 3670
Allen Marine ways

A.T.S. No. 130
U.S.S. 3670
State of Alaska, Marine Hwys.

A.T.S. No. 35
U.S.S. 3670
Alaska Lumber and Pulp Co./
Samson Tug & Barge Co.

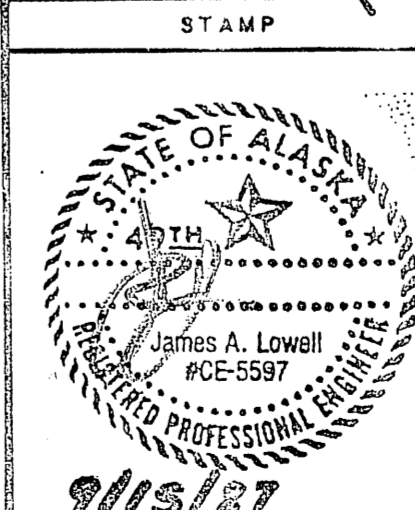
Basis of Bearing
Centerline of existing bridge =
Centerline of new bridge @
N 04° 06' 15" W

Basis of Distance
Seaward face existing abutment
to Back (Shoreward face) of
new abutment back wall = 8-818'

Vertical Control
(see Sheet 5)

Tidal Data
EHW = +14'²
MHHW = 9'²
MLLW = 0'²
ELW = -4'²

As Built
Notes: Dms

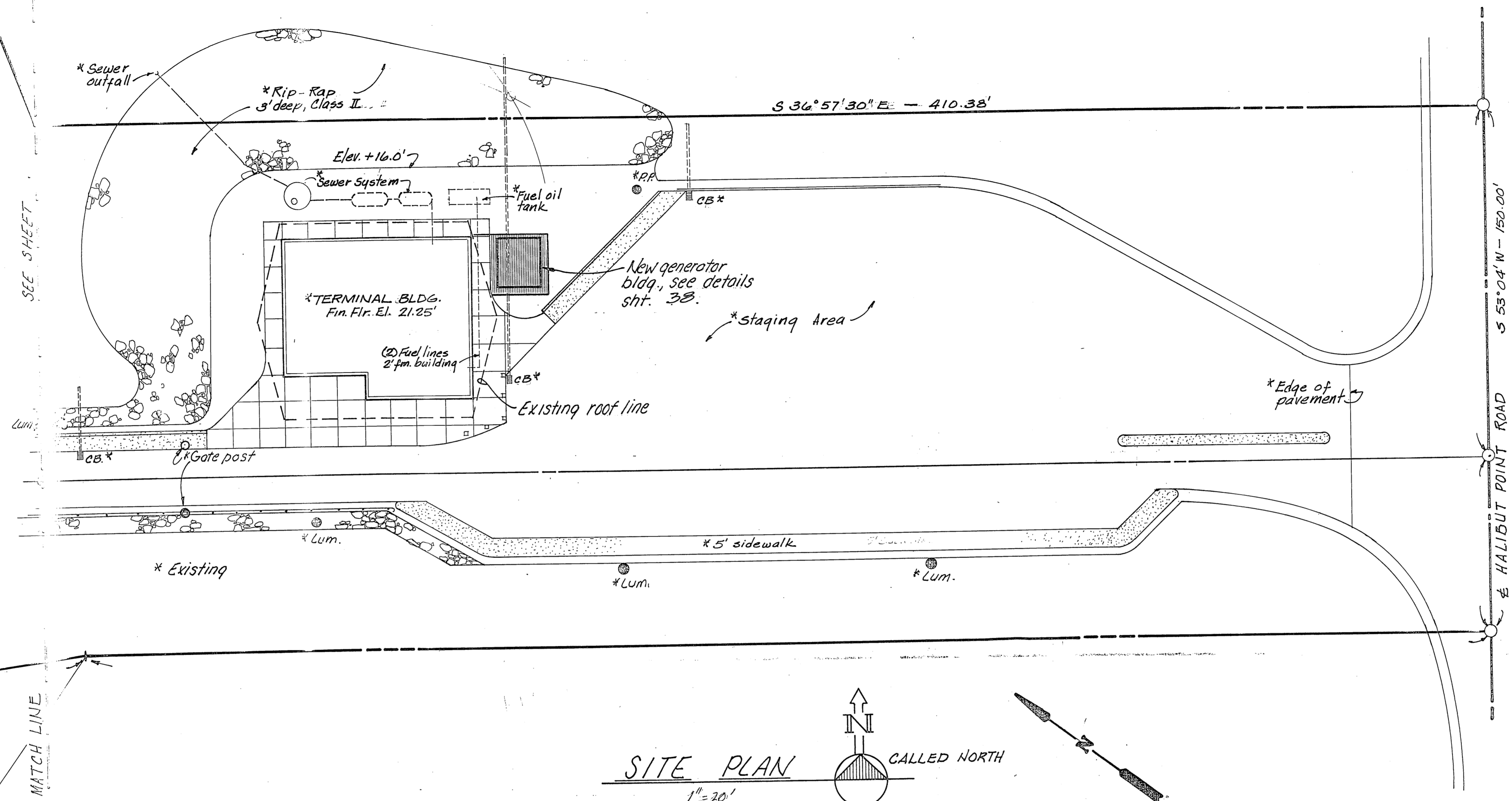


DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
STATE OF ALASKA			
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
Sitka		Alaska	
SEAWARD GENERAL LAYOUT			
DESIGNED -15	CHECKED -JAL	DRAWN -Good/1/2	DATE 3-87
PROJECT NUMBER RS-M-0935(9)	SHEET 4		41

DETAIL "A"

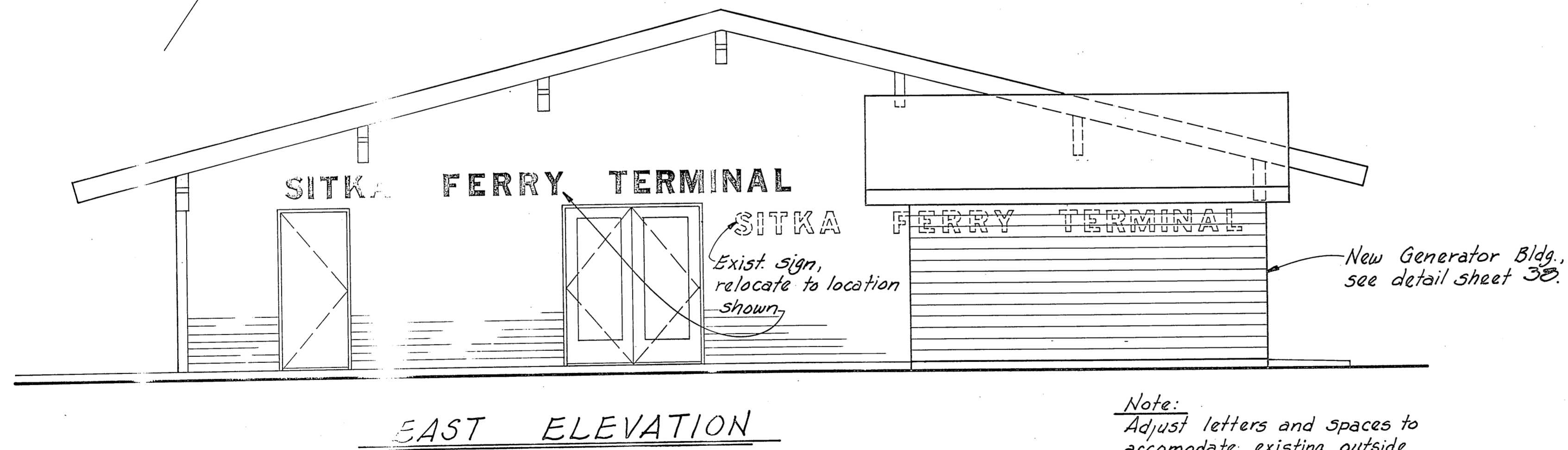
SEE SHEET

MATCH LINE



Basis of vertical control:
 A 30d nail 2' up on a power pole across the highway from the ferry terminal with a given elevation of 27.69'

For Basis of Bearing and Distance, See Sheet 4

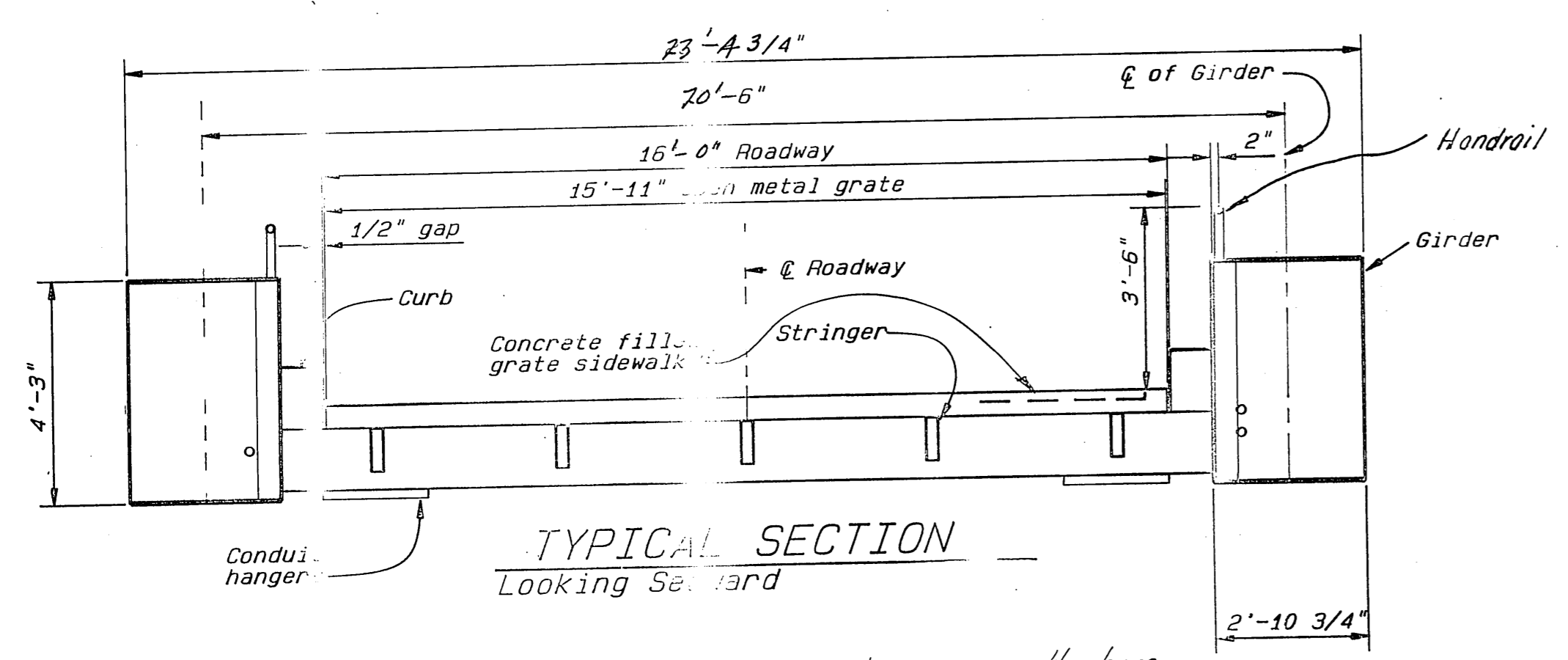
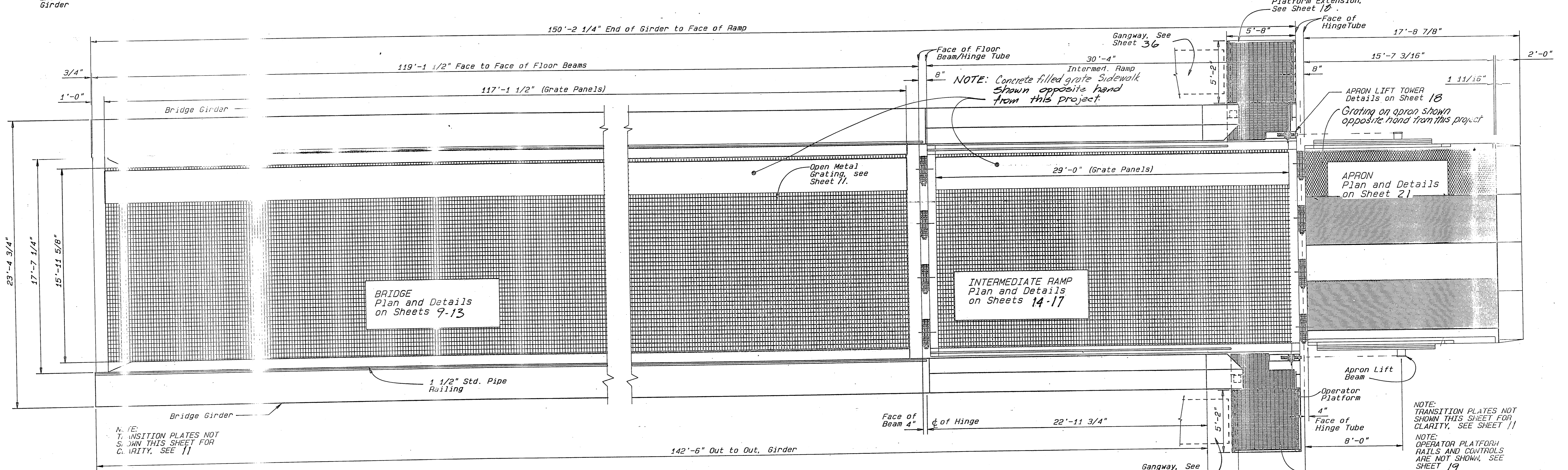
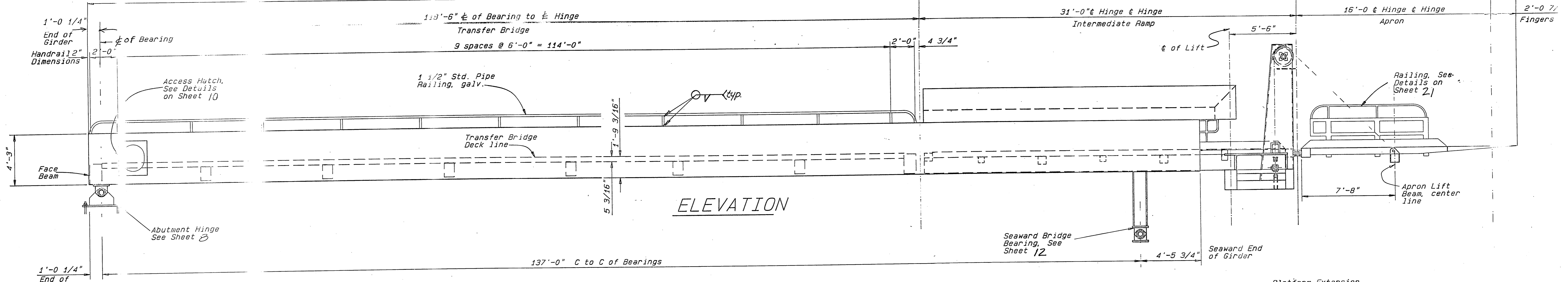


Note:
 Adjust letters and spaces to accommodate existing outside fixtures.

As Built
 NAME & DATE

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA	
		DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
SITKA		Alaska	
UPLANDS SITE PLAN			
DESIGNED <i>JLS</i>	CHECKED <i>JAL</i>	DRAWN <i>GB</i>	DATE <i>8/18/87</i>
PROJECT NUMBER <i>RS-M-0935(9)</i>		SHEET <i>5</i> OF <i>41</i>	

168'-7 1/8" OVERALL LENGTH



- NOTES:
1. Approx. Total Wt. of Transfer Bridge w/ deck and rails = 253,000 lbs. (78,000 lbs. A572; 55,000 lbs. A500; 120,000 lbs. A36)
 2. Transfer Bridge to be painted (see General Notes.) except grating, rails and apron which shall be galvanized after fabrication.
 3. For Utility and Bridge Illumination system details, See Sheets 39-41

See Attachment: MODIFICATIONS MADE TO ENABLE PICKING THE THIS GA TRANSFER BRIDGE W/ A CURB.

*Note: Sidewalk on East Side only, shown correctly here and on Sit. 4.

STAMP

DO NOT SCALE THIS DRAWING - USE DIMENSIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SITKA

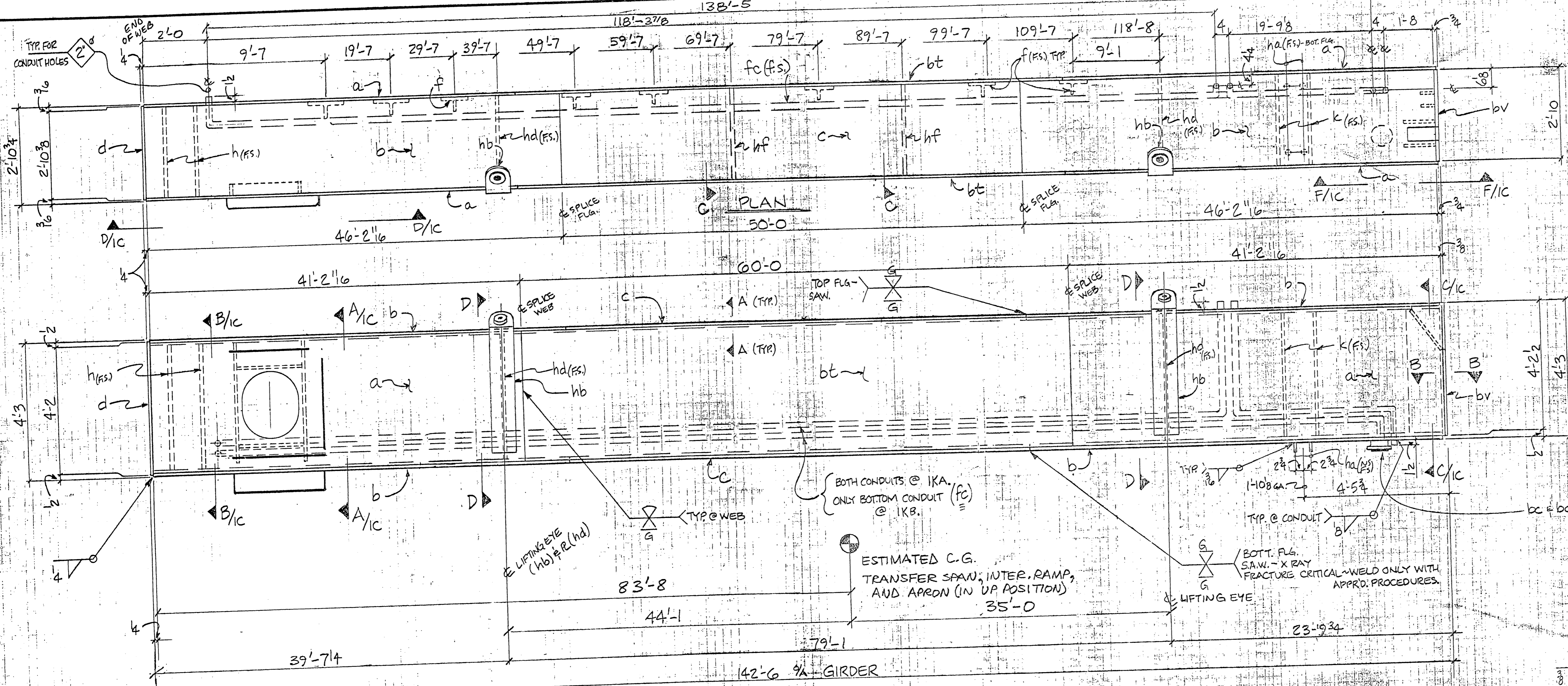
BRIDGE OVERALL PLAN and ELEVATION

DESIGNED JS CHECKED JL DRAWN Geol DATE 7AUG
PROJECT NUMBER RS-M-0935 (9) SHEET 6 OF 41

9-15-87

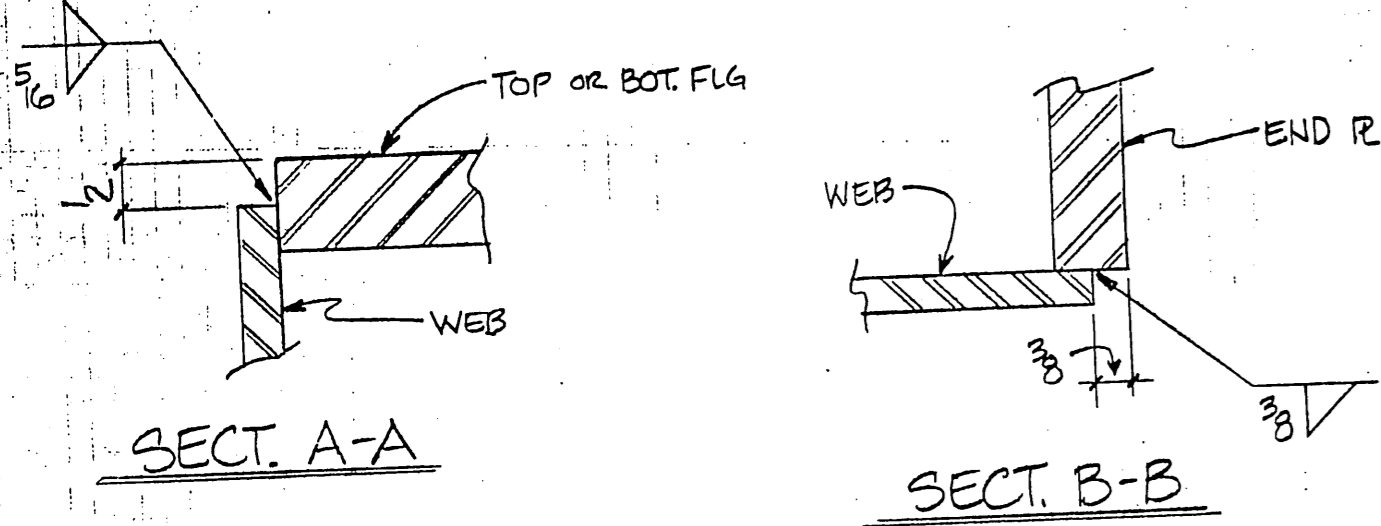
John T. Scott, II
CE 4755
REGISTERED PROFESSIONAL

As Built
Date: 9/15/87

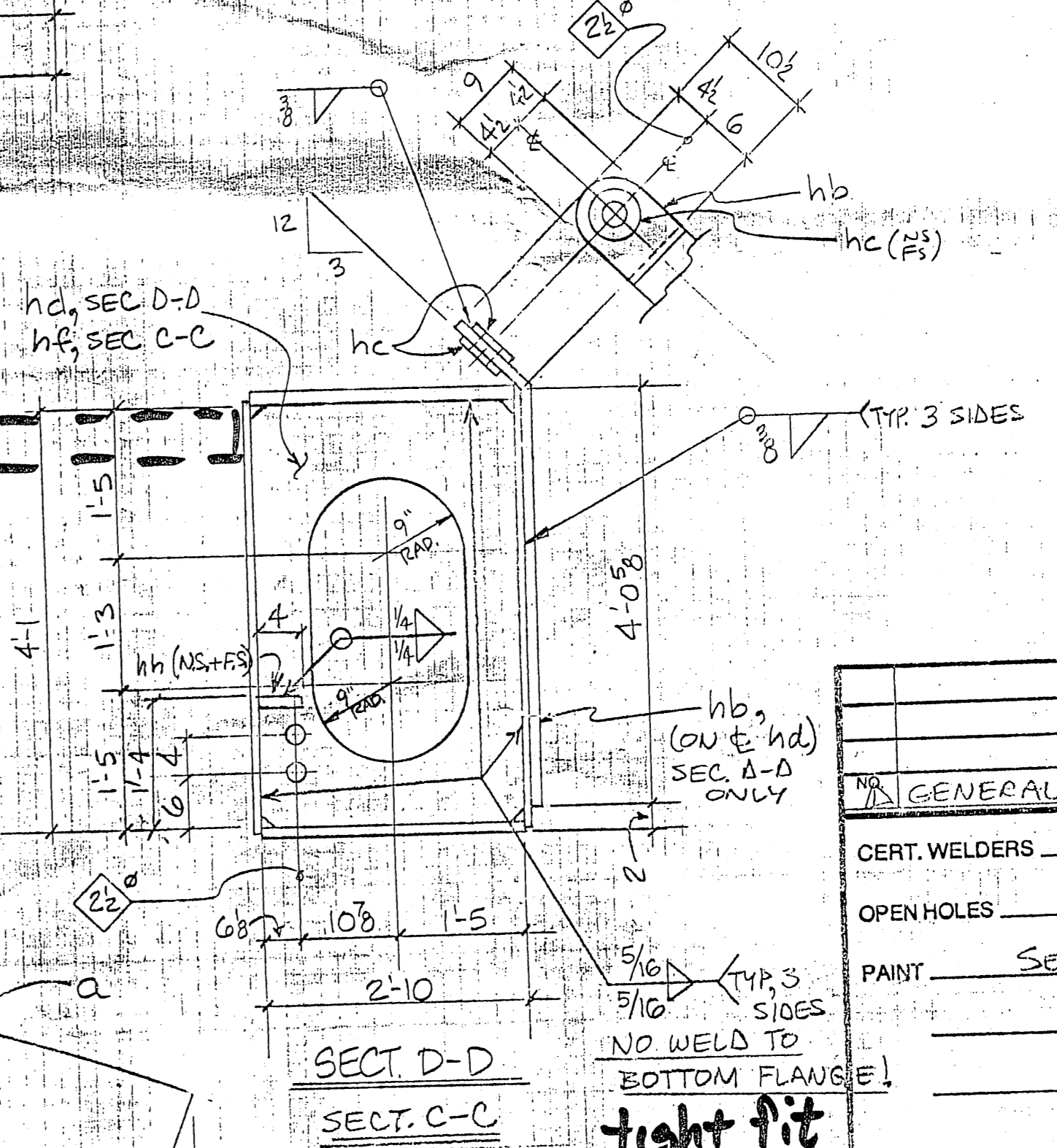


NO. TO SHIP	SHIPPING MARK	MATL	NO. PCS.	PIECE MARK	SECTION	LENGTH FEET INCH	REMARKS	A.B.I. SHEET NO.	STAMP	WEIGHT
		B	na	30 THD STUDS	0 2	4 NEW				
A36	4	nb	R 3/4 x 9	4	113	BEND				
	8	hc	R 3/4 x 3/4	4	1					
	4	hd	R 3/4 x 3/4	4	1					
A36	4	hf	R 2 x 3/4	4	1					
	16	hh	R 2 x 4	0	5					

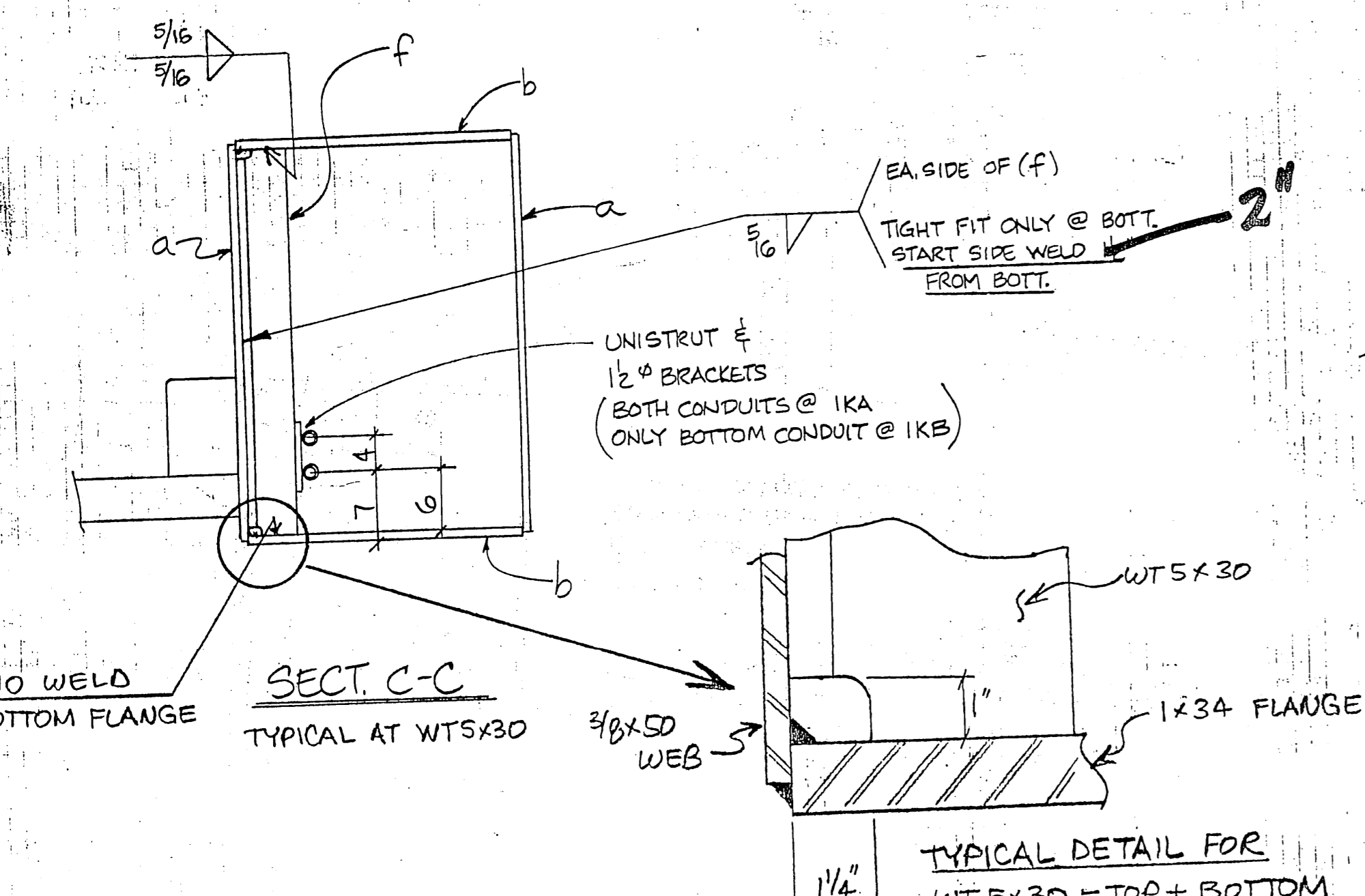
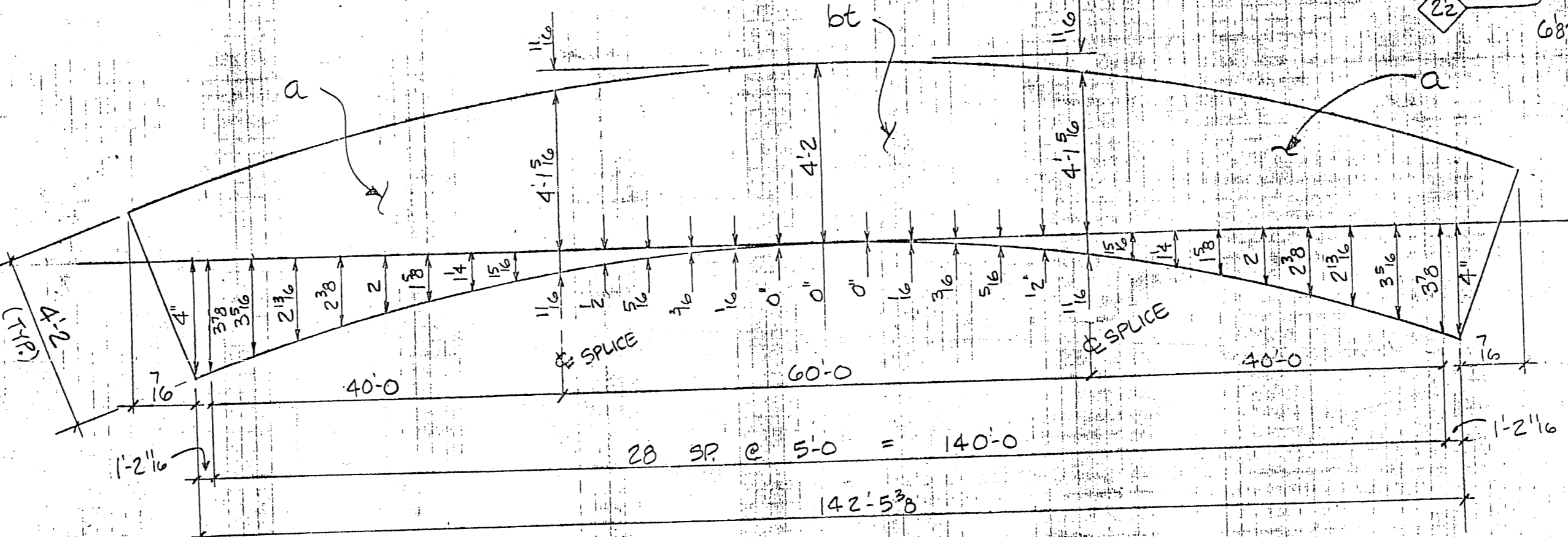
ONE ~ IKA ~ GIRDER (AS SHOWN & NOTED)
 ONE ~ IKB ~ GIRDER (OPP. HAND & NOTED)



Temp Erection
 Lift brace
 by others



tight fit
 at bottom
 start weld
 2" up



State of Alaska
 Dept. of Transportation and Public Facilities
 Marine Facilities Engineering

CONTRACTOR SUBMITTAL REVIEW

Checking is only for conformance with the design concept of the Project and compliance with the information given in the Contract Documents. The Contractor is responsible for information that is confirmed and corrected at the job site for information that pertains solely to the fabrication process or to techniques of construction and for coordination of the work of all trades.

ACCEPTED AS NOTED
 REQUIRED FOR CORRECTION

Date: 5-16-88 Project Engineer

NO. GENERAL REVISION

CERT. WELDERS AWS D11 INSPECTION AASHTO

OPEN HOLES EXCEPT AS NOTED

PAINT SEE DWG. 1A (SPRAY APPLIED PER MFG. RECOMMENDATION)

JESSE ENGINEERING INC.
 NEW FABRICATION

5225 7TH STREET EAST / TACOMA, WASHINGTON 98424 / (206) 922-7433

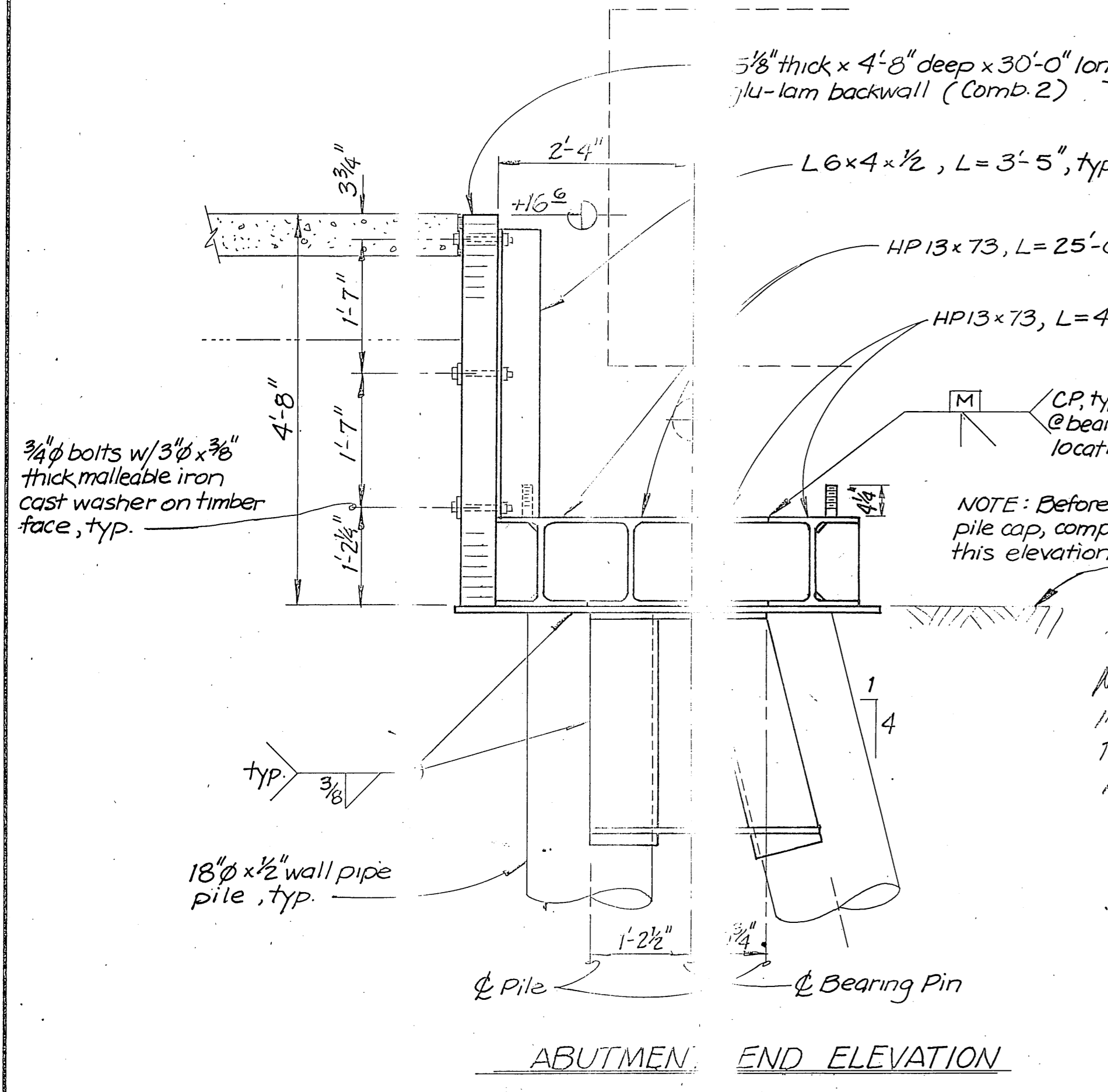
JOB: SITKA FERRY TERMINAL PROJ. NO. RS-BR-M-0935(9)
 KETCHIKAN FERRY TERMINAL PROJECT NO. F-BR-095-2(14)

TITLE: GIRDER LAYOUT & CAMBER DIAGRAM

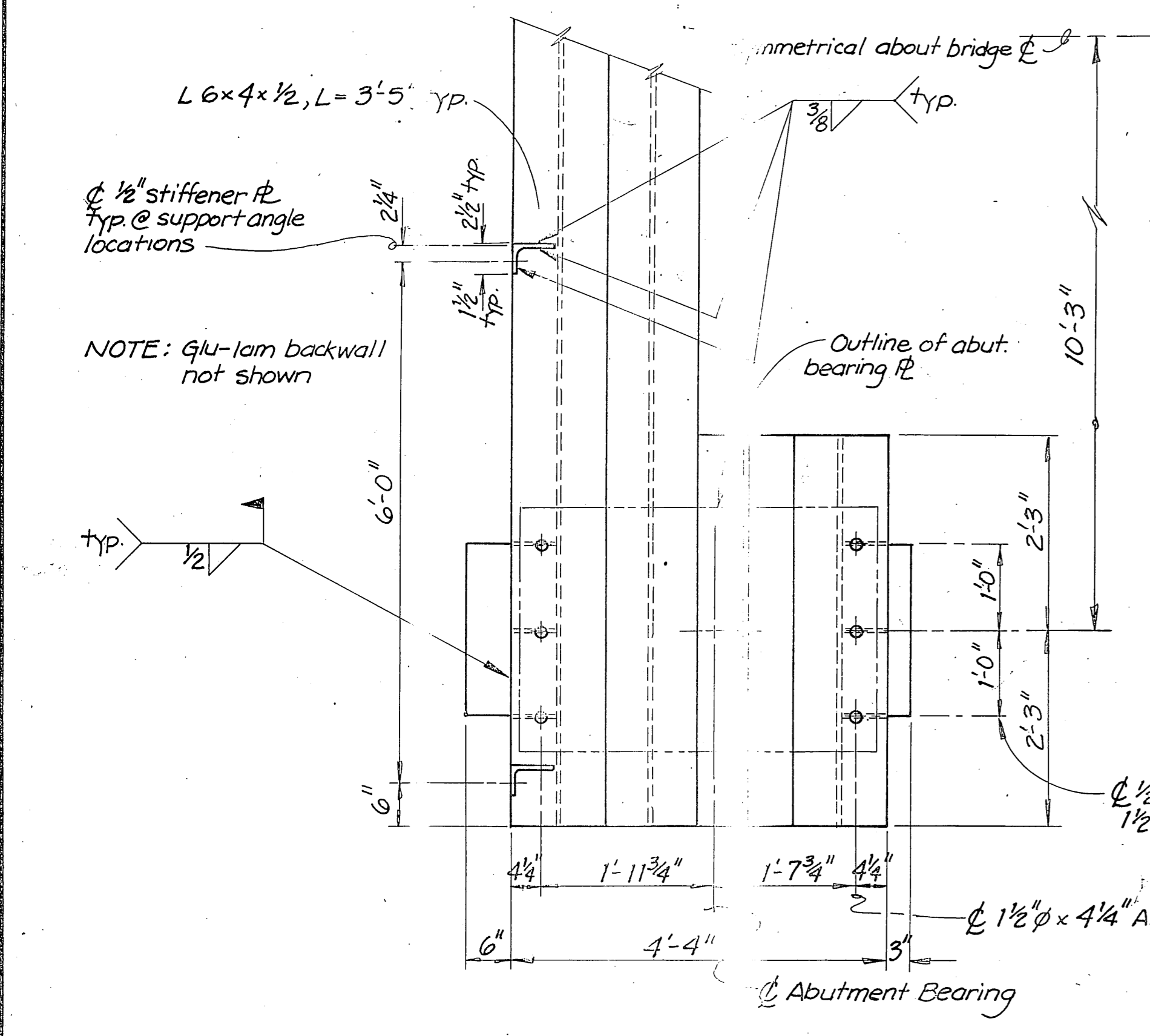
FOR: MANSON CONSTRUCTION CO.

DRN: CPM DATE: 11/8/89
 CHKD: BT
 APPD: BT
 SCALE: AS BUILT

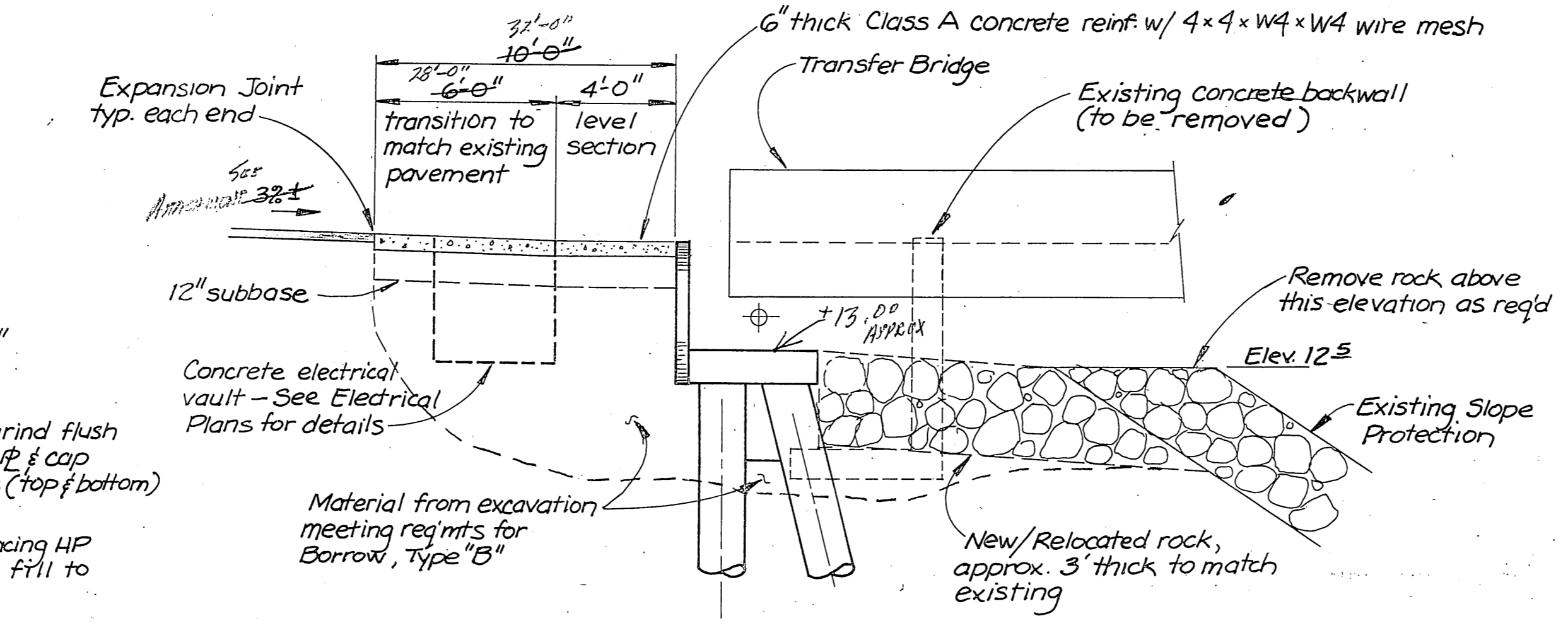
JOB NO. 88005
 DWG. NO. 1K-1 PAGE 6A



ABUTMENT END ELEVATION

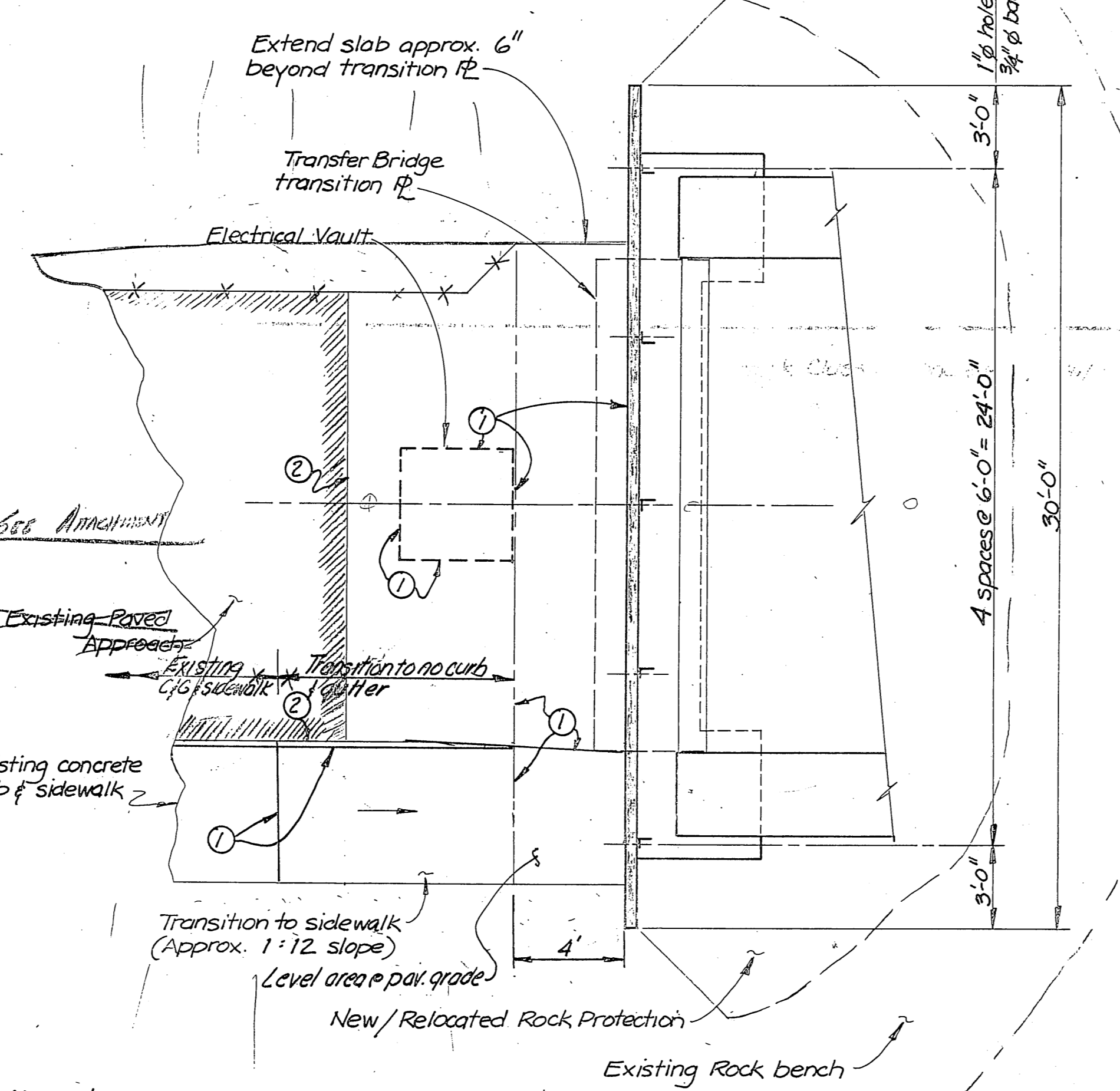


ABUTMENT END PLAN



SECTION @ ABUTMENT

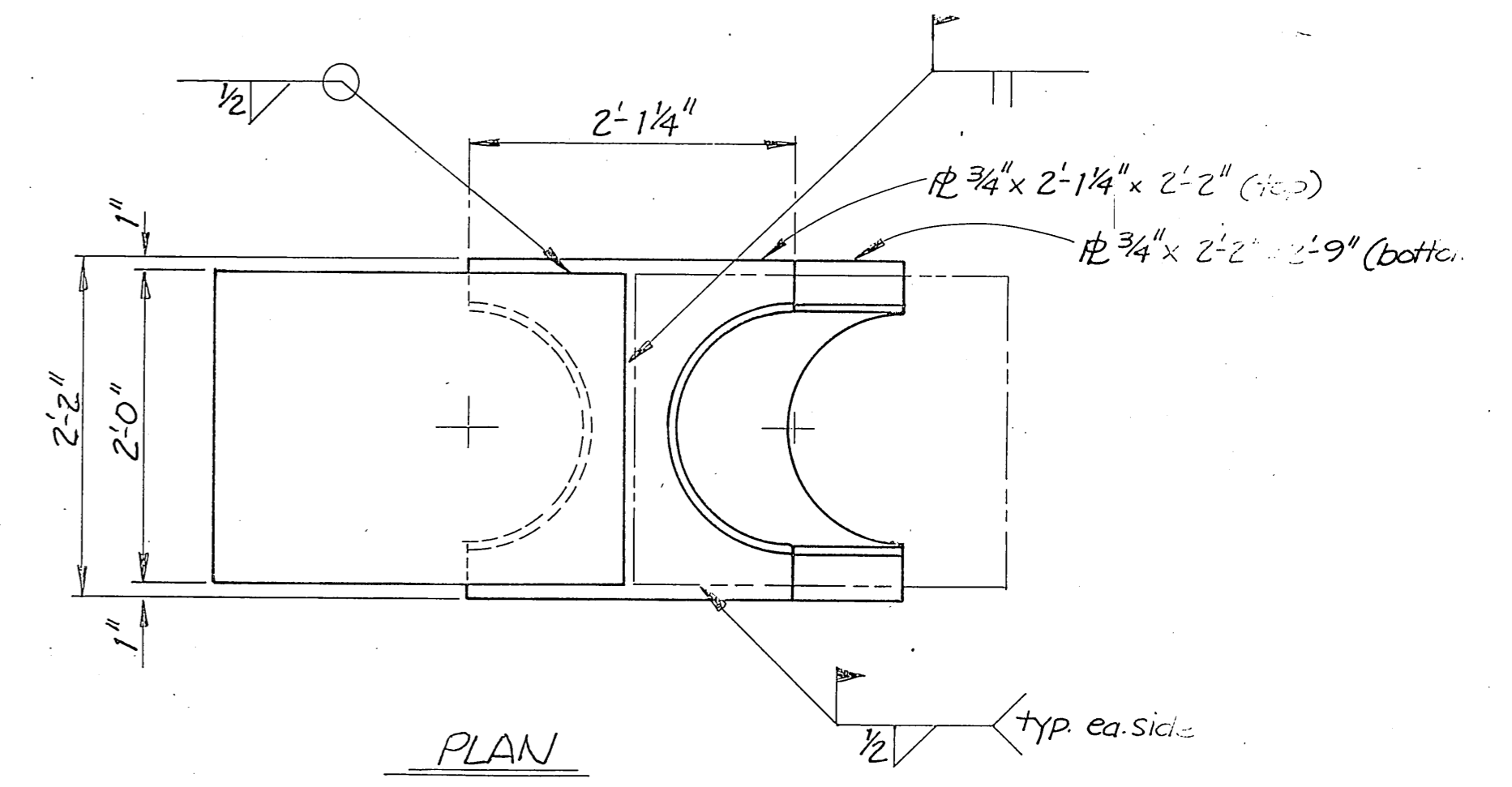
NOTE: Water Line Extension Added to City's installed 1" D Water Line to Terminal to 6'8" THROUGH ABUTMENT WALL - See APPROACHMENT - REMOVAL OF LINE OUT BEHIND BY OTHERS



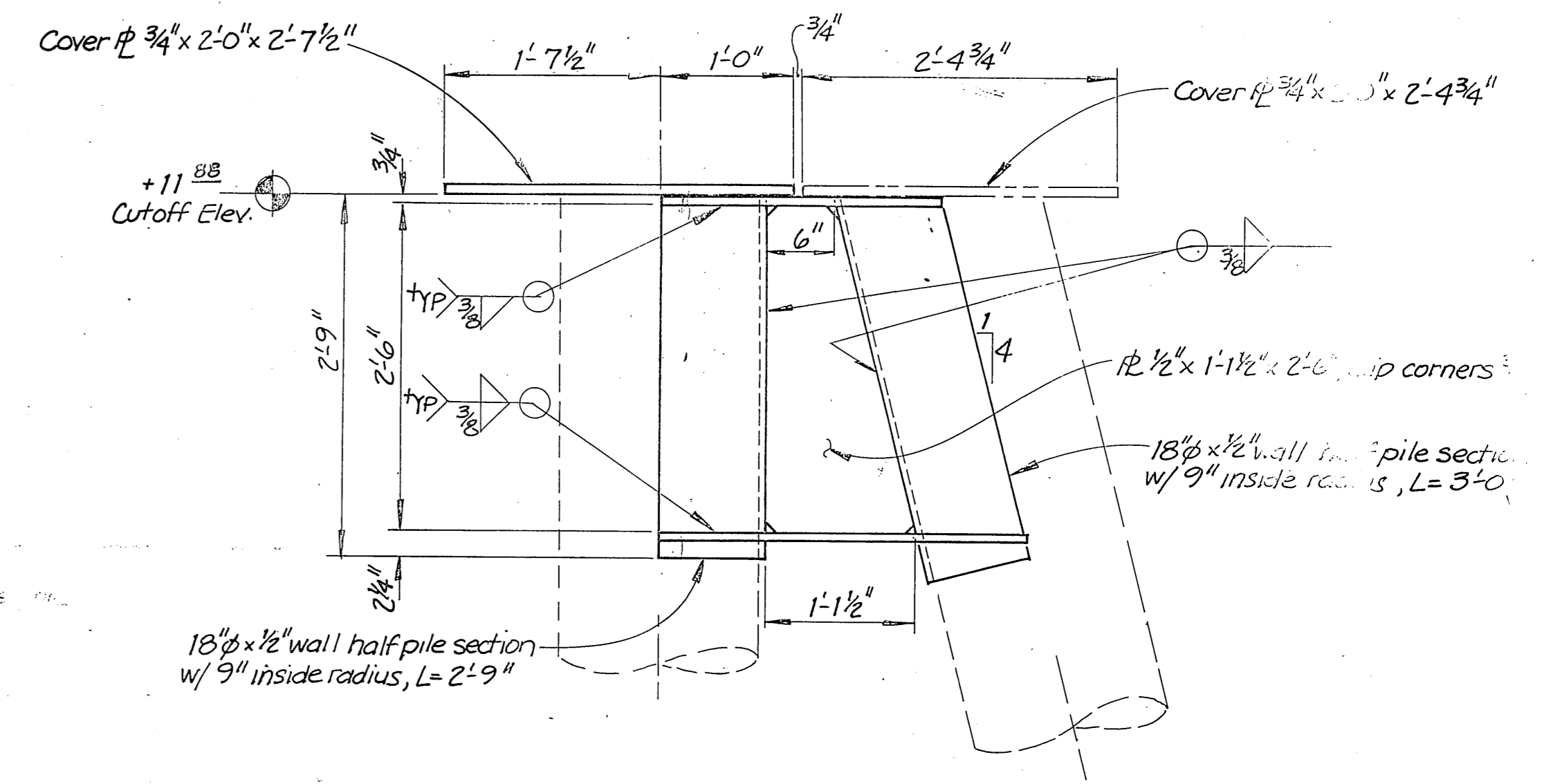
ABUTMENT PLAN

- ① Expansion joint, See Detail A
- ② Saw cut joint - Armt to Conc., See Detail B

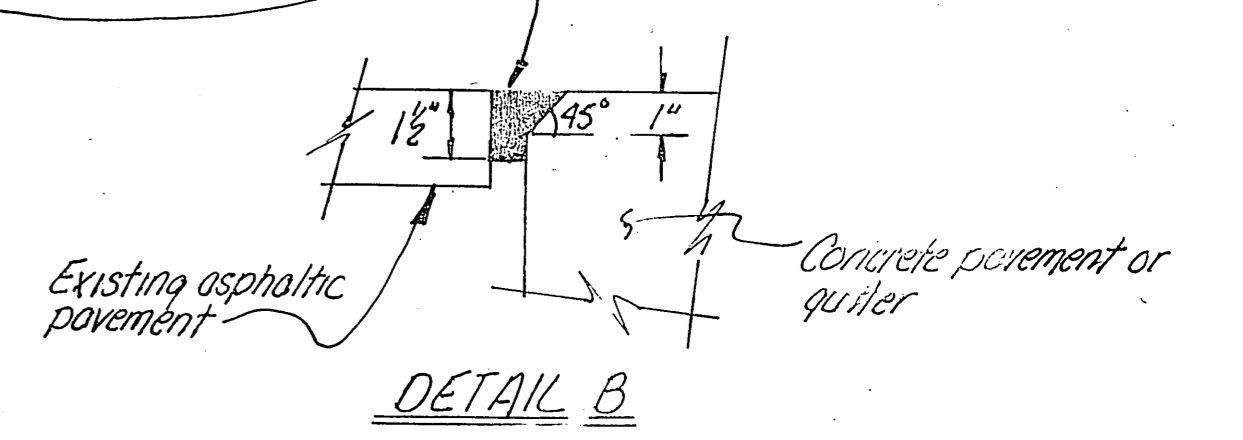
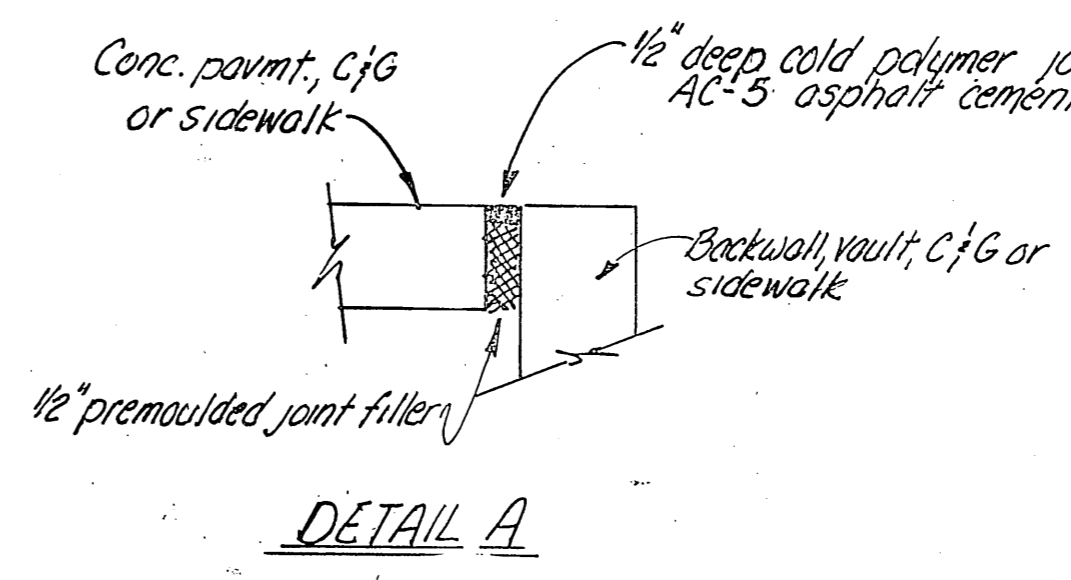
NOTE: Handrail and guardrail not shown, see sheet 4.
 New curb and gutter to match existing type and section.
 Approx. Steel weight = 7400 lbs.



PLAN

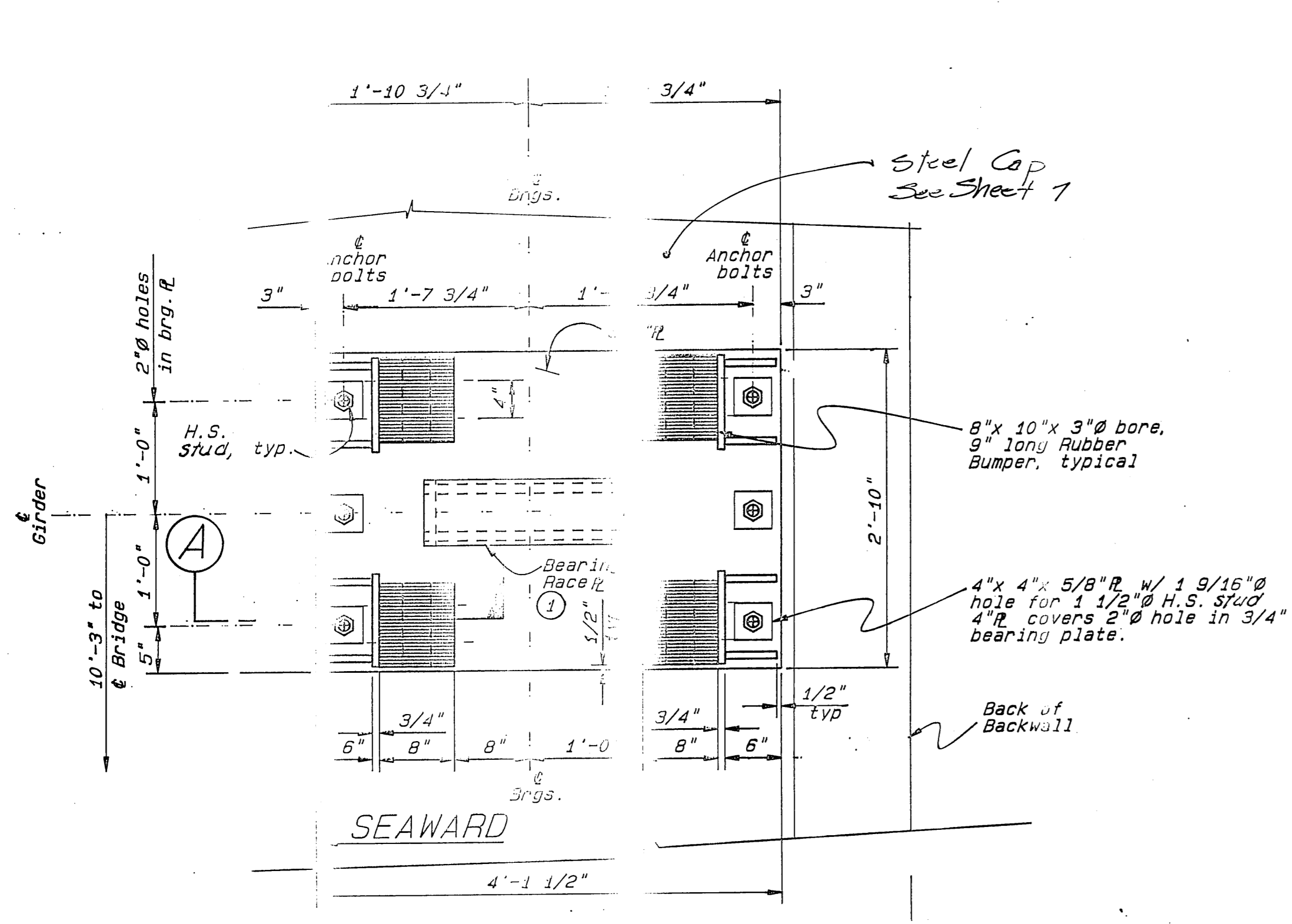


PILE CONNECTION DETAIL

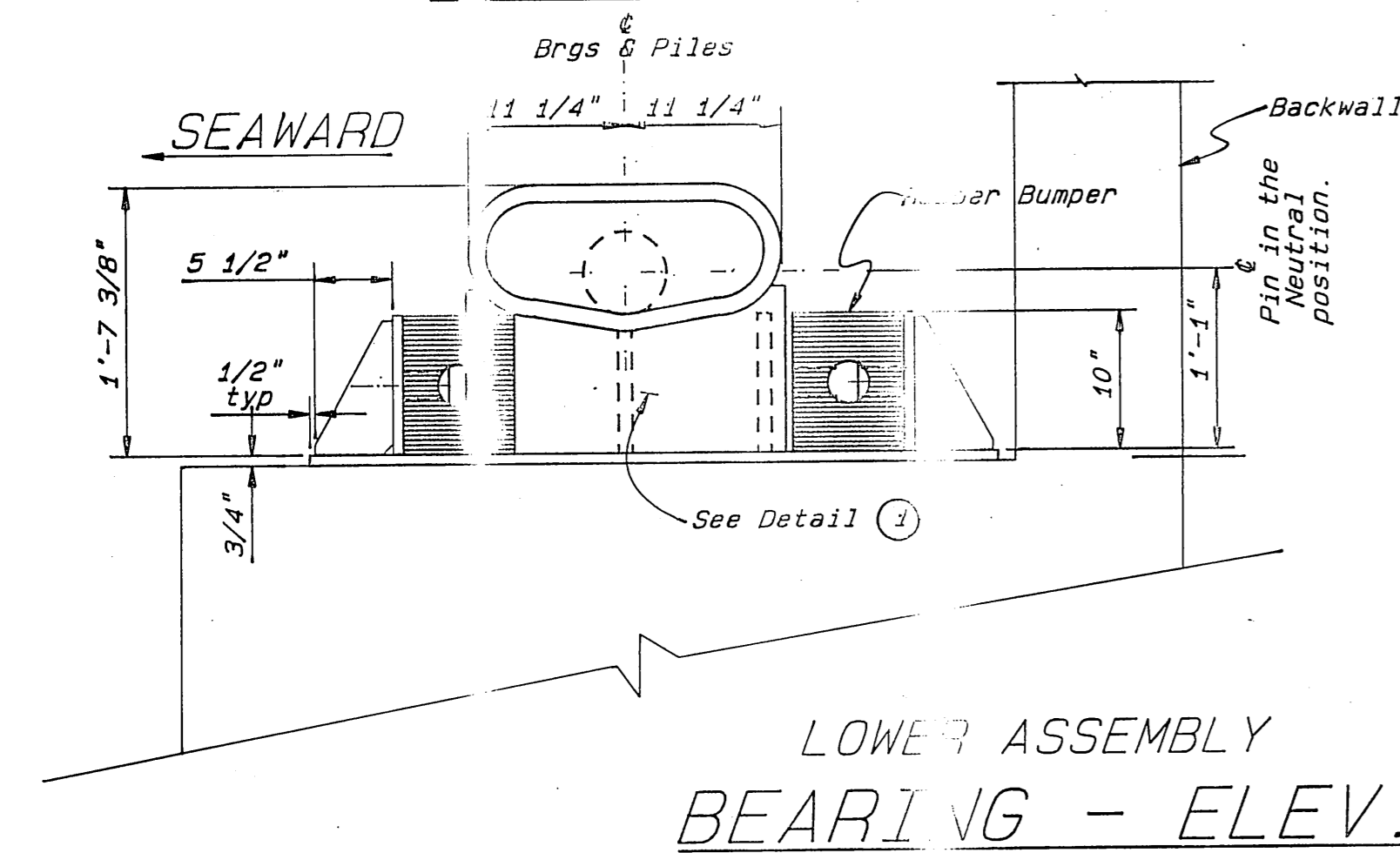


As Built
 Names & Dates

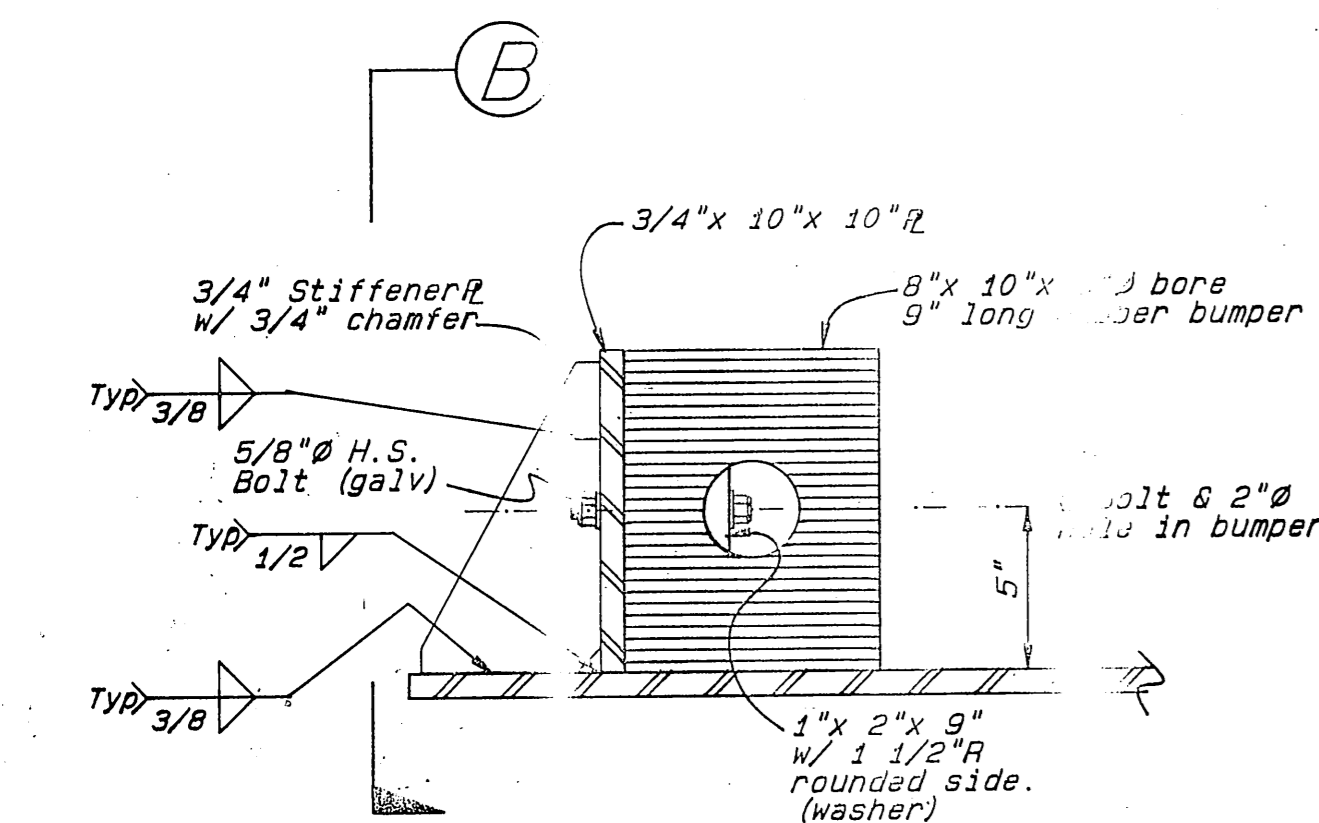
STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
Sitka		Alaska	
ABUTMENT			
DESIGNED BS	CHECKED JS	DRAWN BS	DATE 9-87
PROJECT NUMBER RS-M-0935 (9)	SHEET 7		OF 41



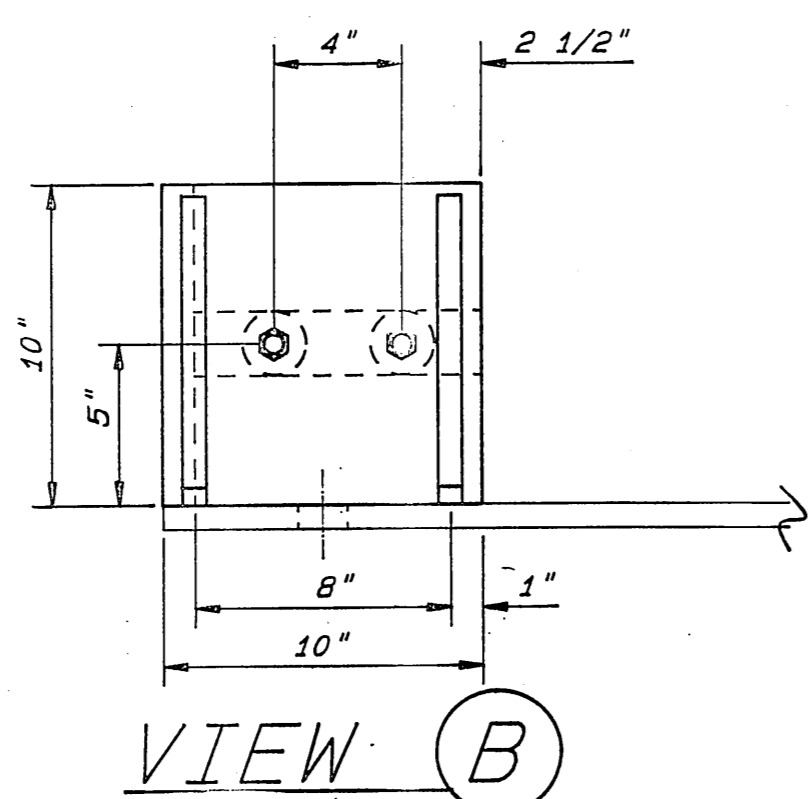
LOWER ASSEMBLY BEARING - PLAN



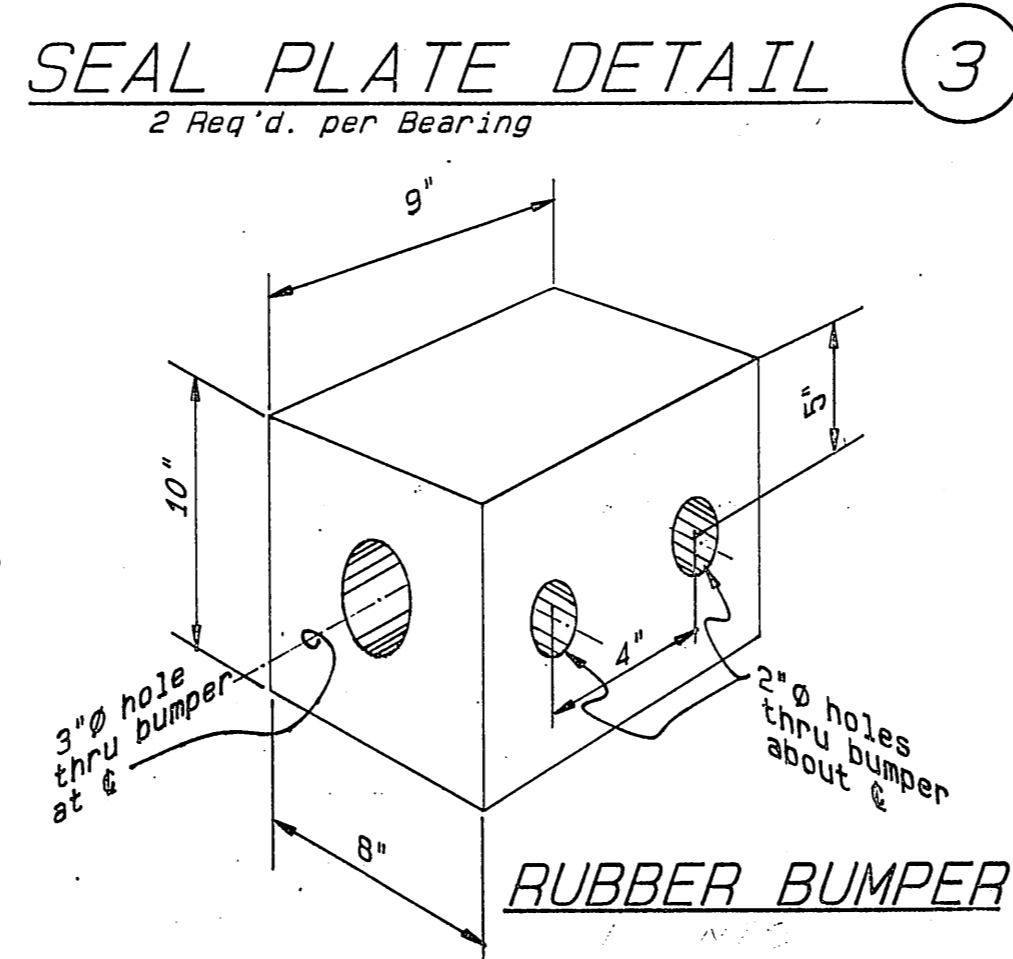
LOWER ASSEMBLY BEARING - ELEV.



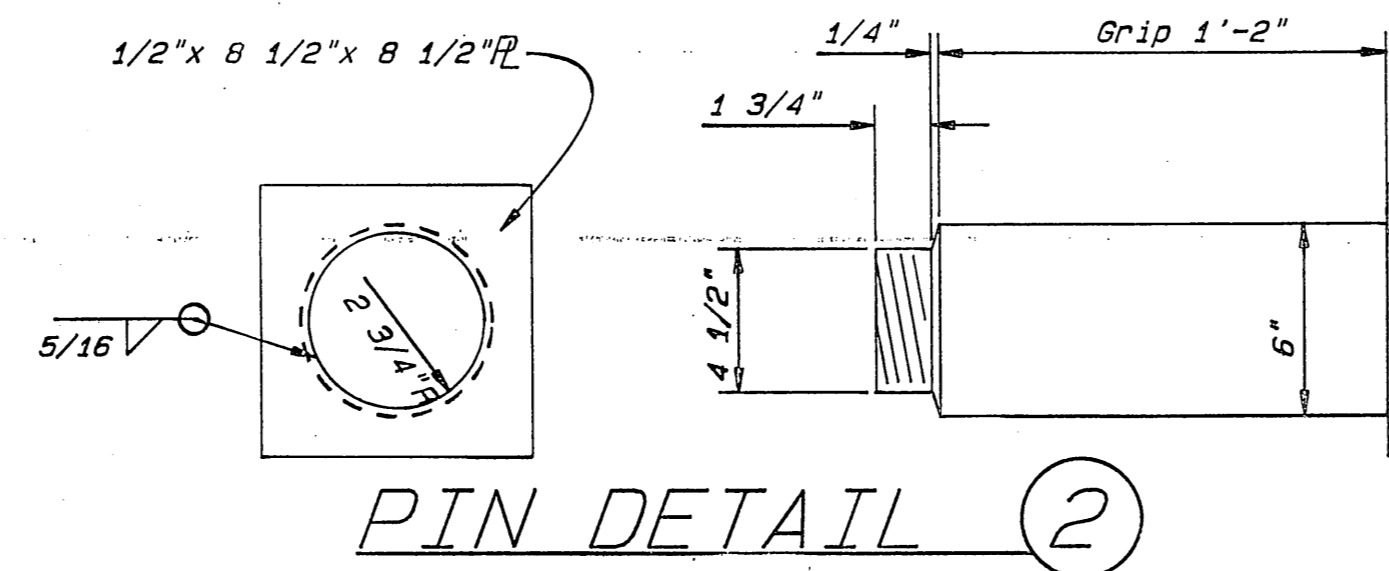
SECTION A



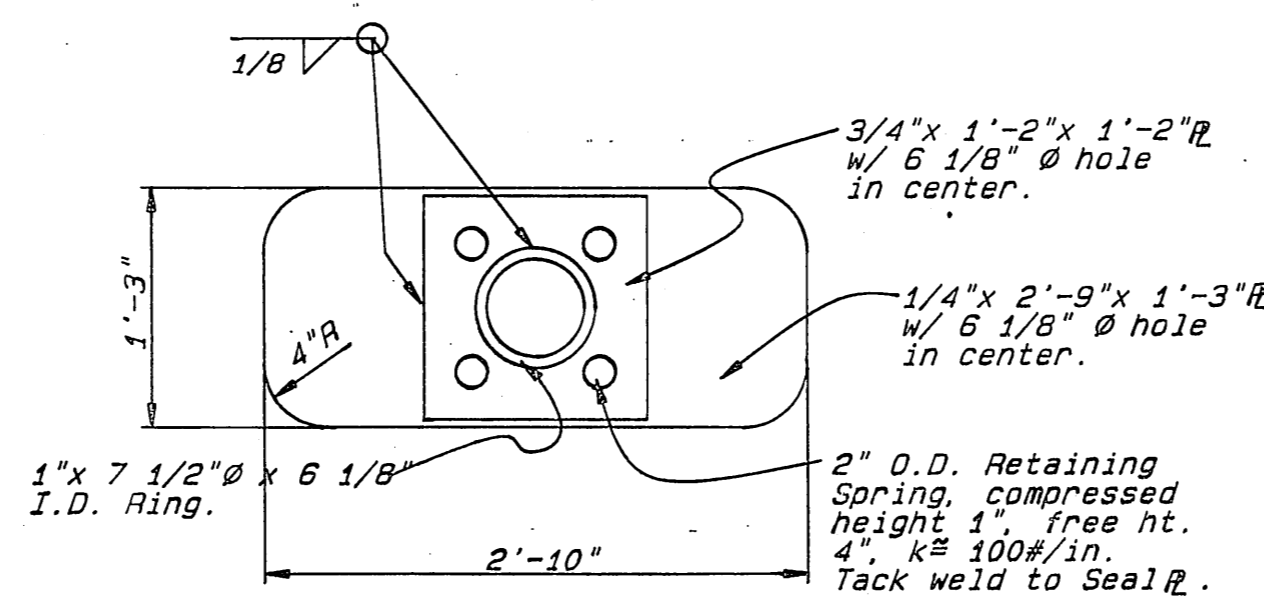
VIEW B



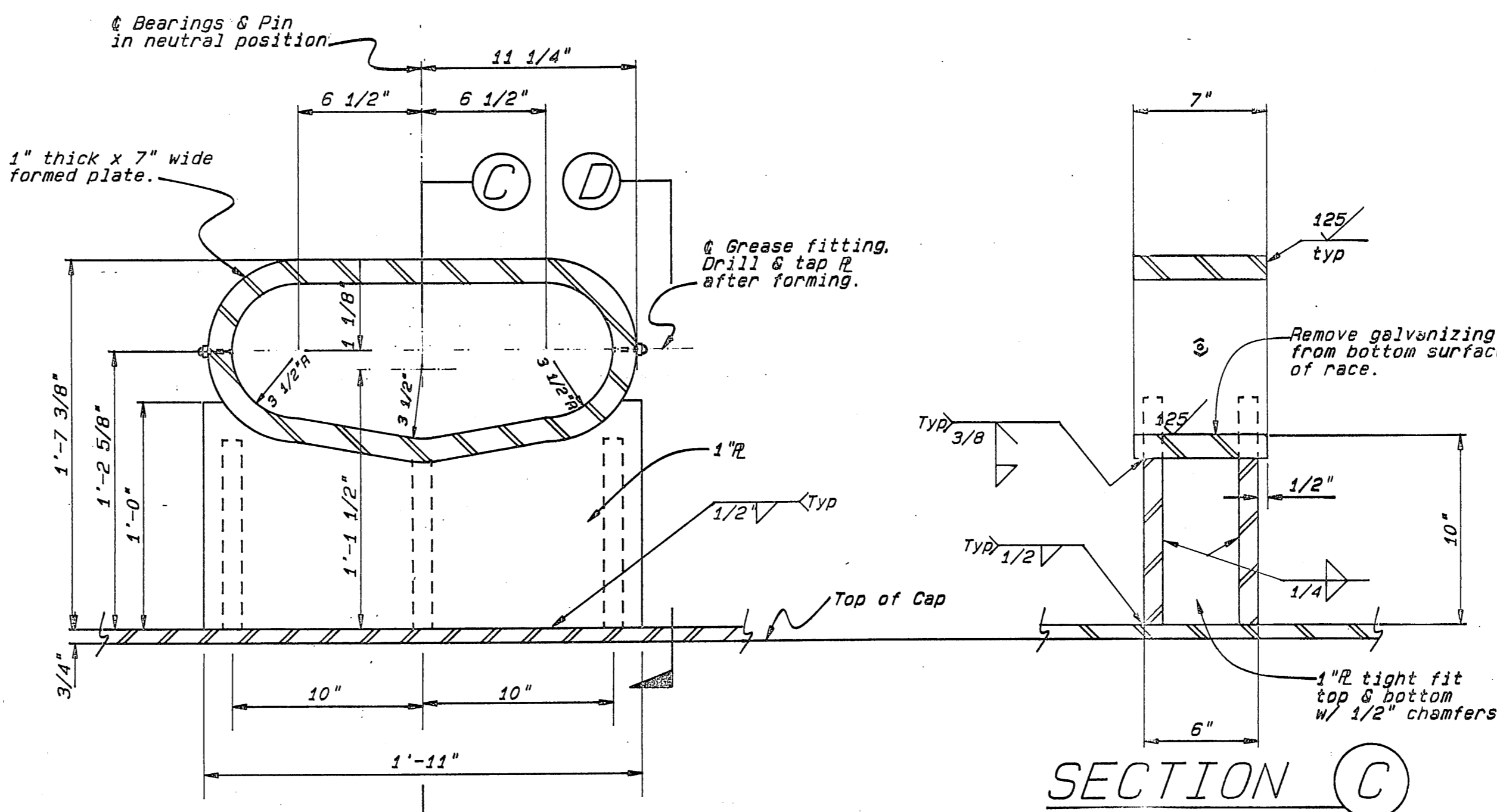
RUBBER BUMPER



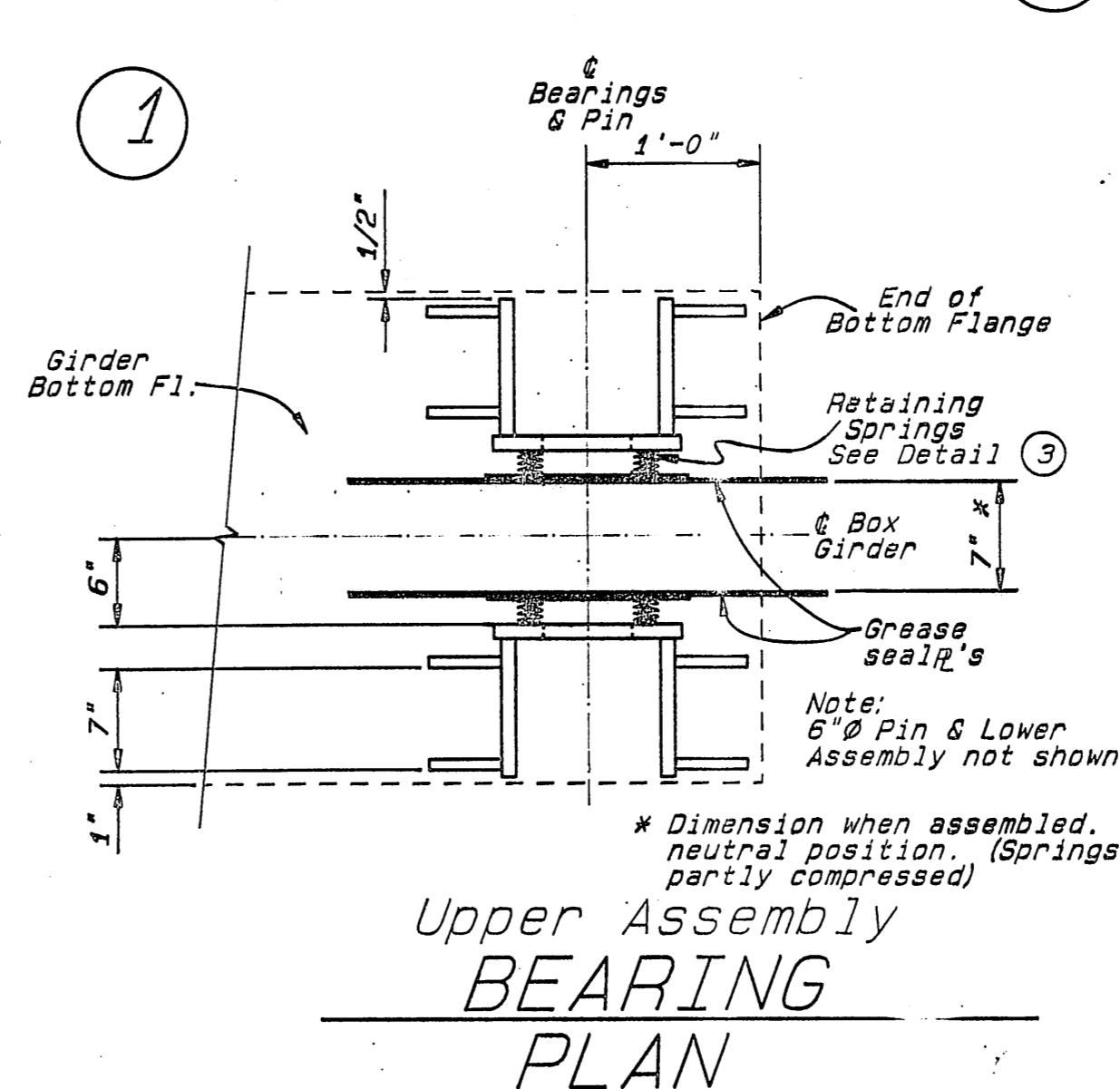
PIN DETAIL 2



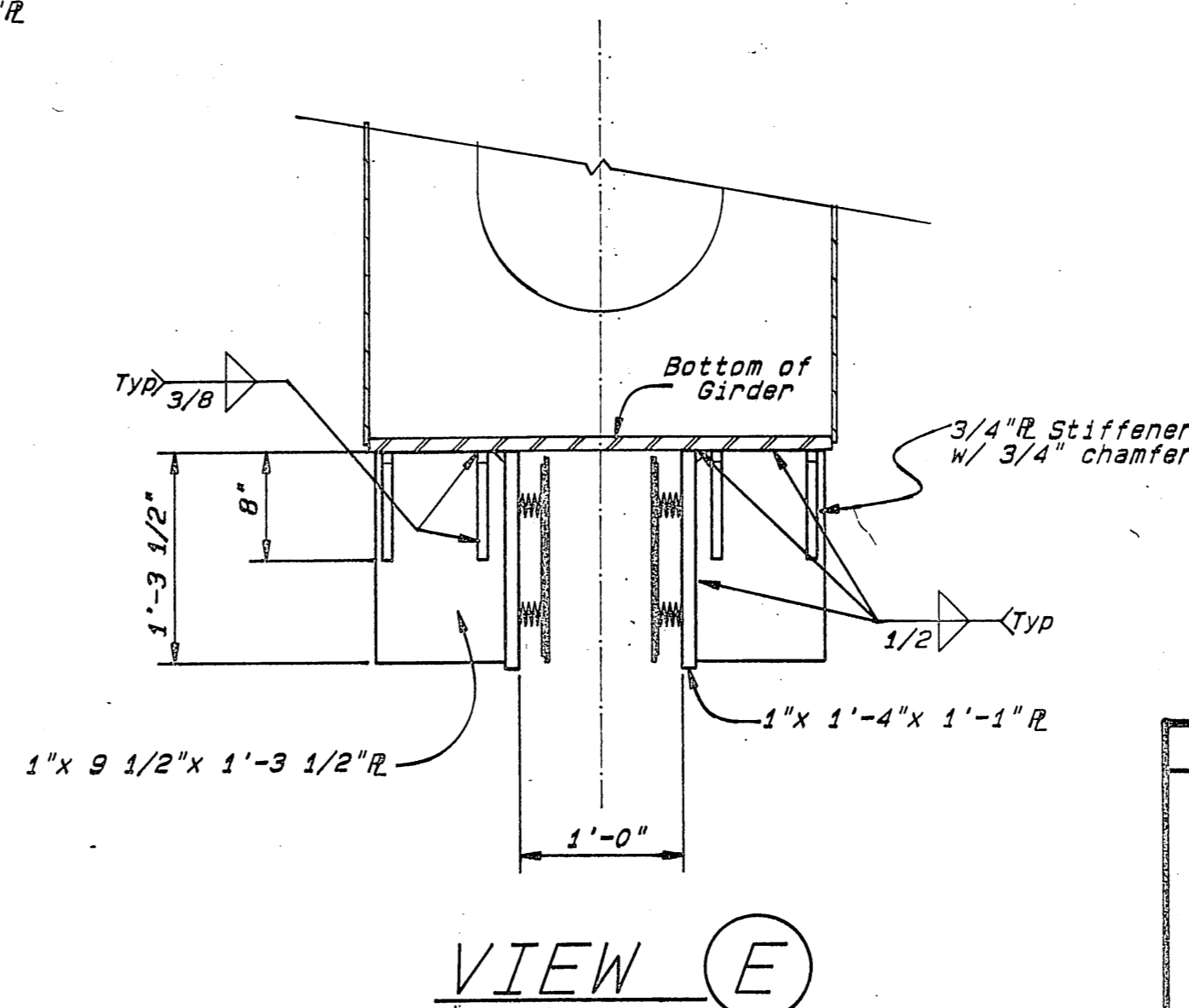
SEAL PLATE DETAIL 3



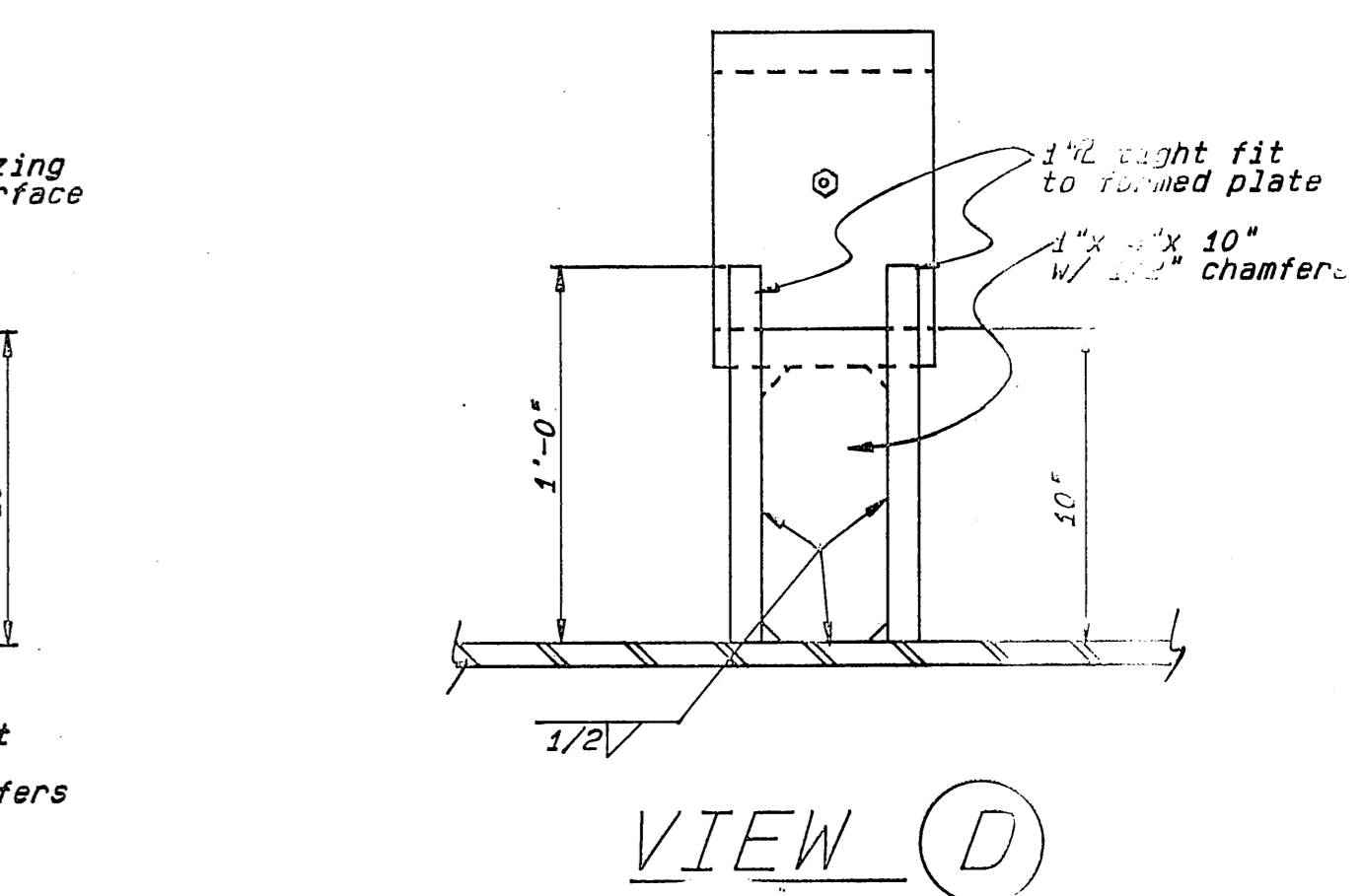
Lower Assembly BEARING - DETAIL 1



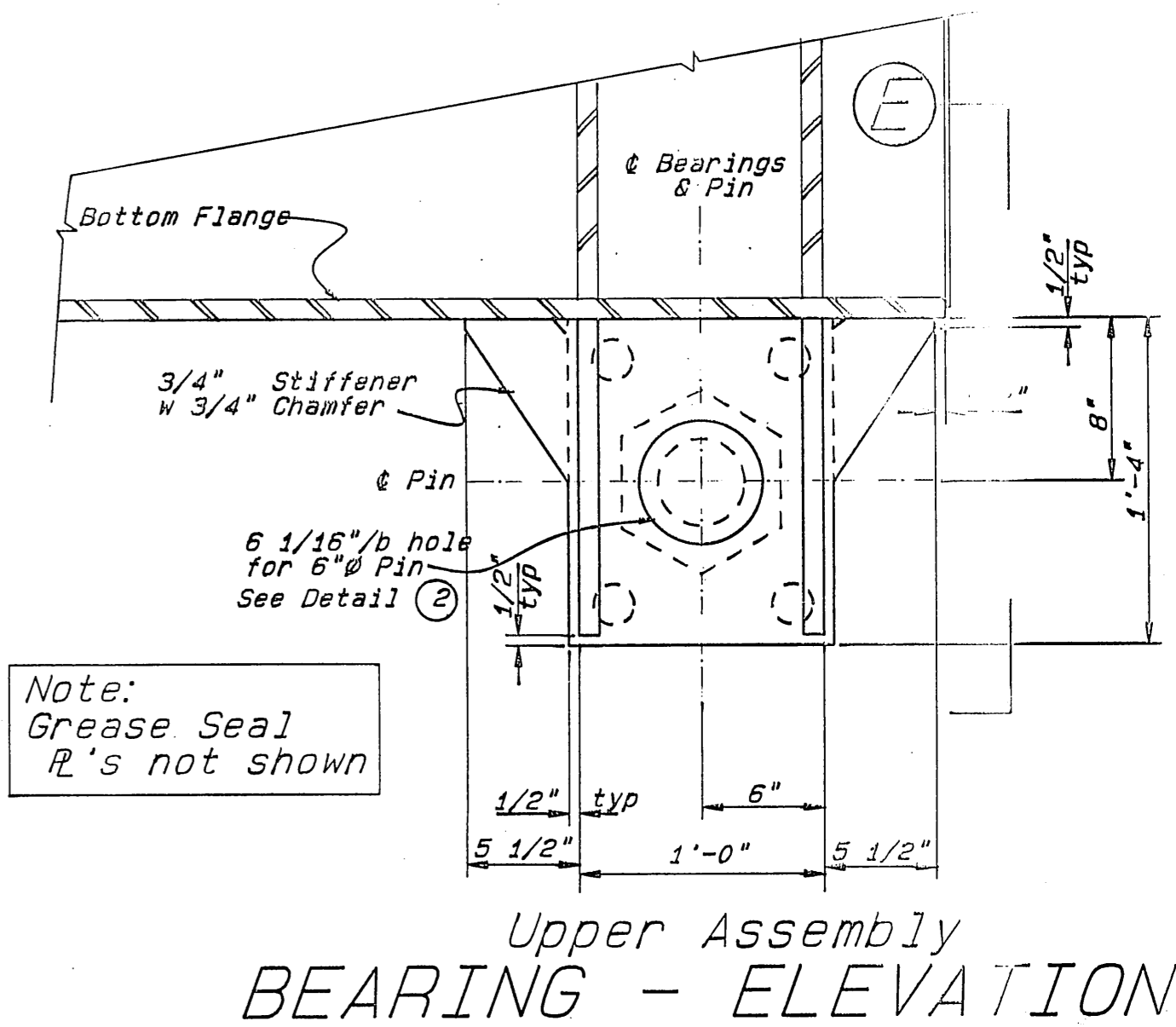
Upper Assembly BEARING PLAN



VIEW E



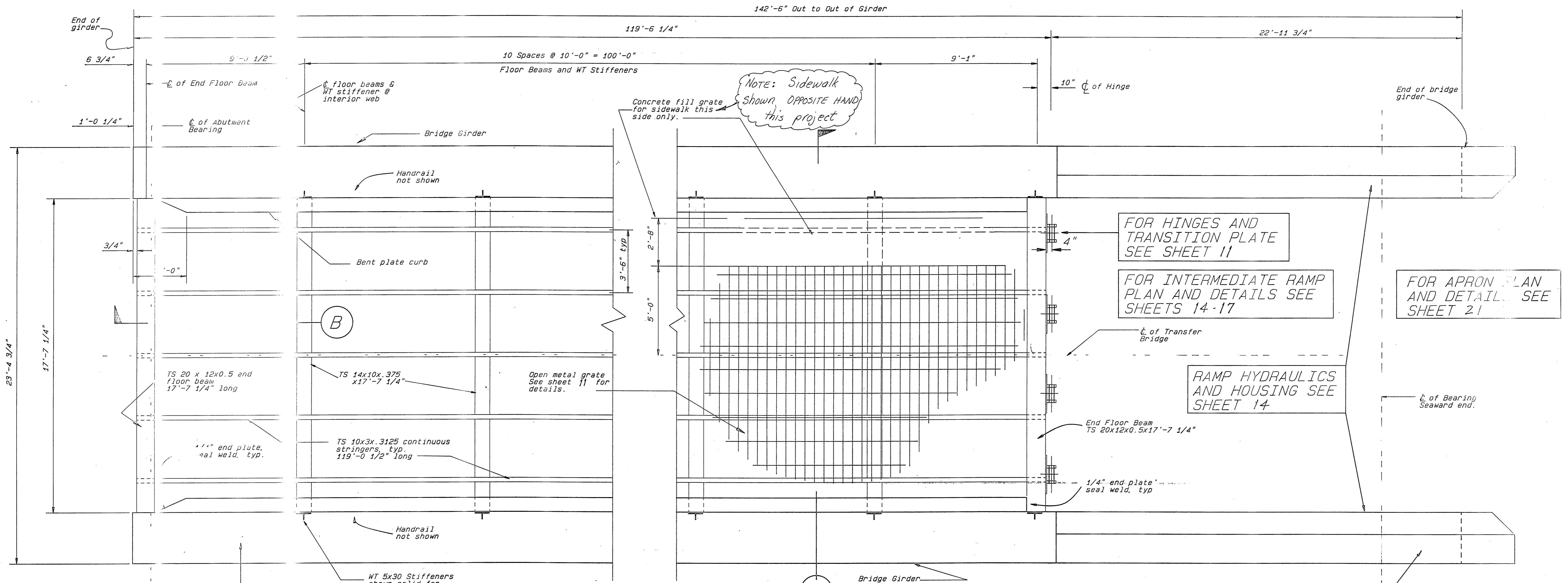
VIEW D



Upper Assembly BEARING - ELEVATION

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
SITKA		AL.	
TRANSFER BRIDGE ABUTMENT BEARINGS			
DESIGNED <u>JS</u>	CHECKED <u>LJB</u>	DRAWN <u>Genal</u>	DATE <u>7AUG</u>
PROJECT NUMBER <u>RS.M-0935 (9)</u>	SHEET <u>8</u> OF <u>41</u>		
9-15-87			

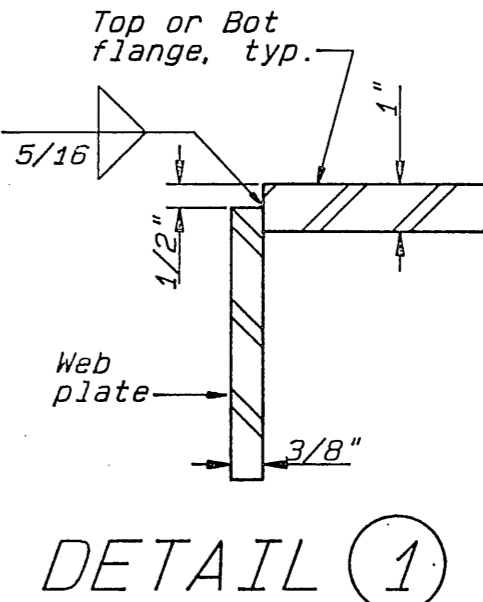
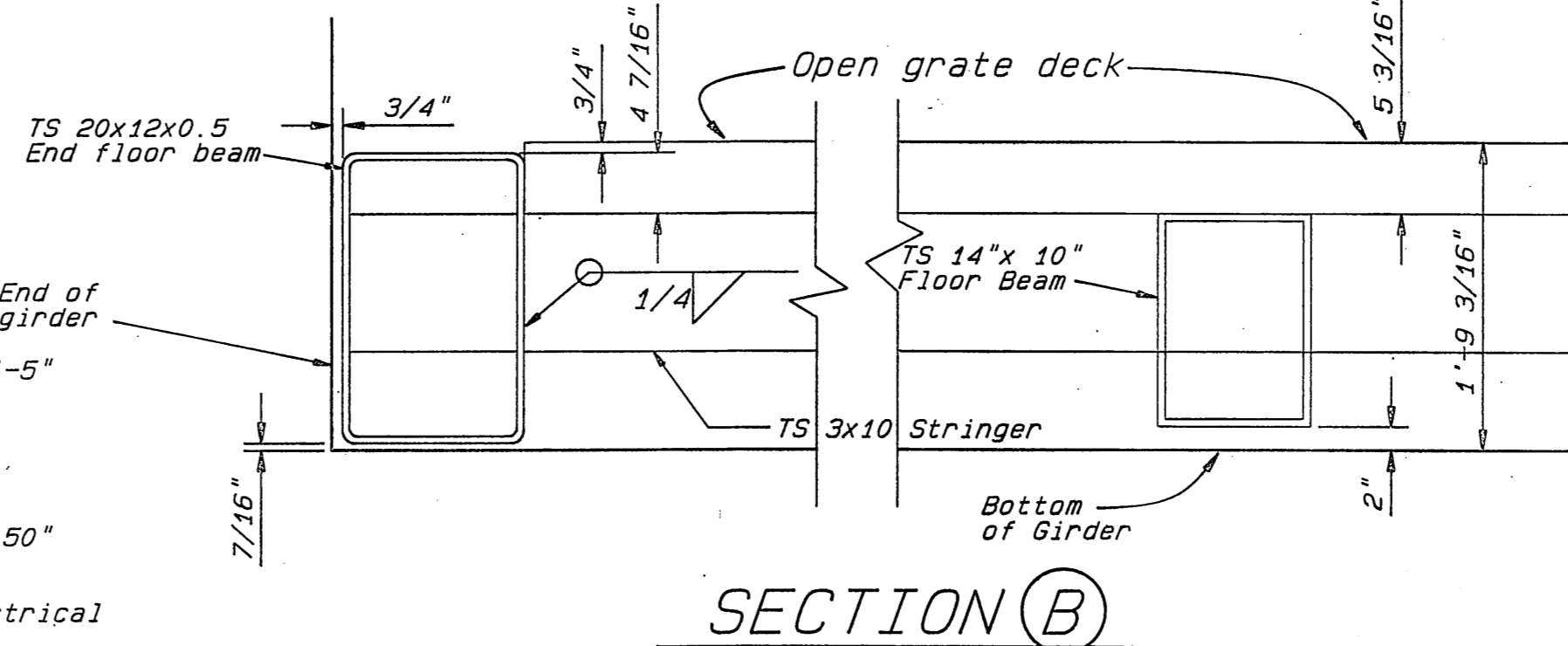
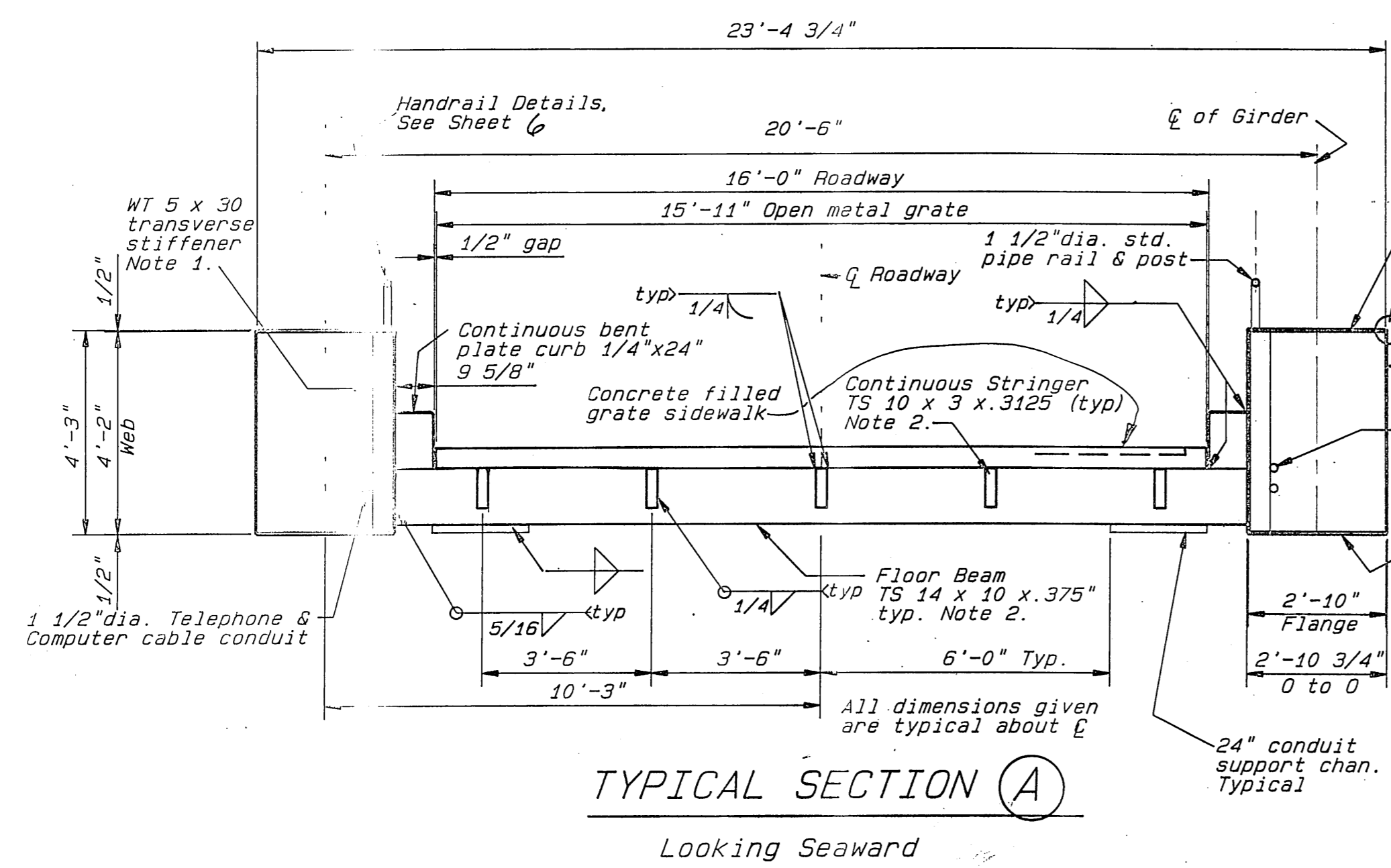
As Built
Name of Part



FOR GIRDER DETAILS ABUTMENT END, SEE SHEET 10

WT 5x30 Stiffeners shown solid for clarity, see Note 1 below.
See Attachment P.6 For Modifications

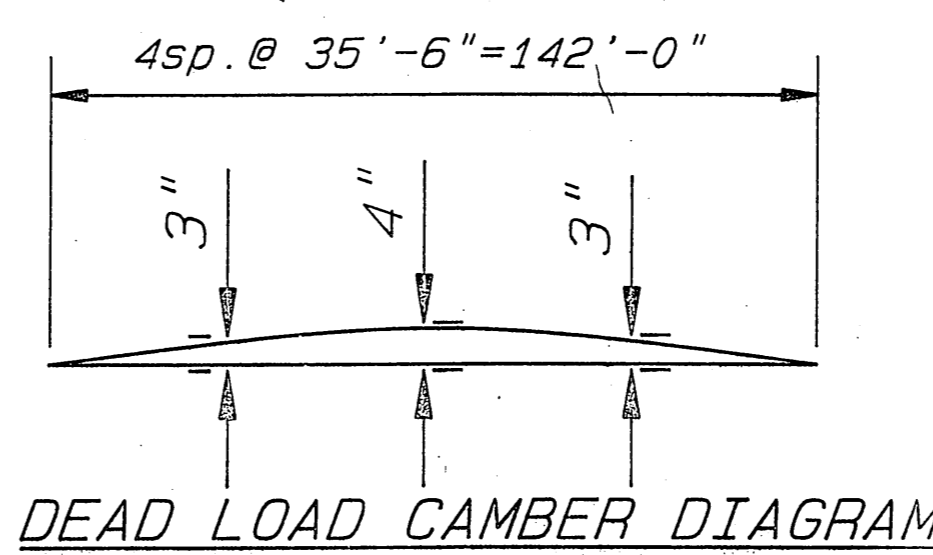
FOR GIRDER DETAILS SEAWARD END, SEE SHEET 12



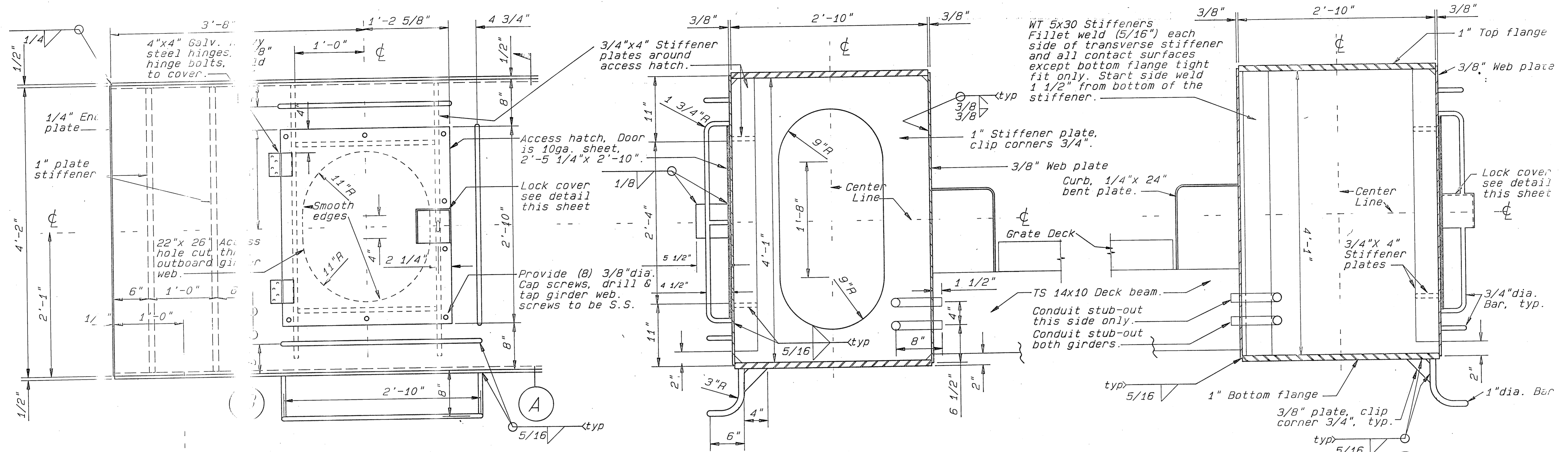
NOTES:

1. Fillet weld (5/16") each side of Transverse stiffener and all contact surfaces except bottom flange, tight fit only. Start weld 1 1/2" from bot of stiffener.
2. Main members subjected to tensile stress.

AS BUIER
NAME / DATE



STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES					
SITKA		ALAS.			
TRANSFER BRIDGE Plan and Typical Section					
DESIGNED	JL	CHECKED	JS	DRAWN	Geoal
PROJECT NUMBER	RS-M-0935 (9)	SHEET	9	DATE	7AUG
				DATE	7-15-87
				OF	41

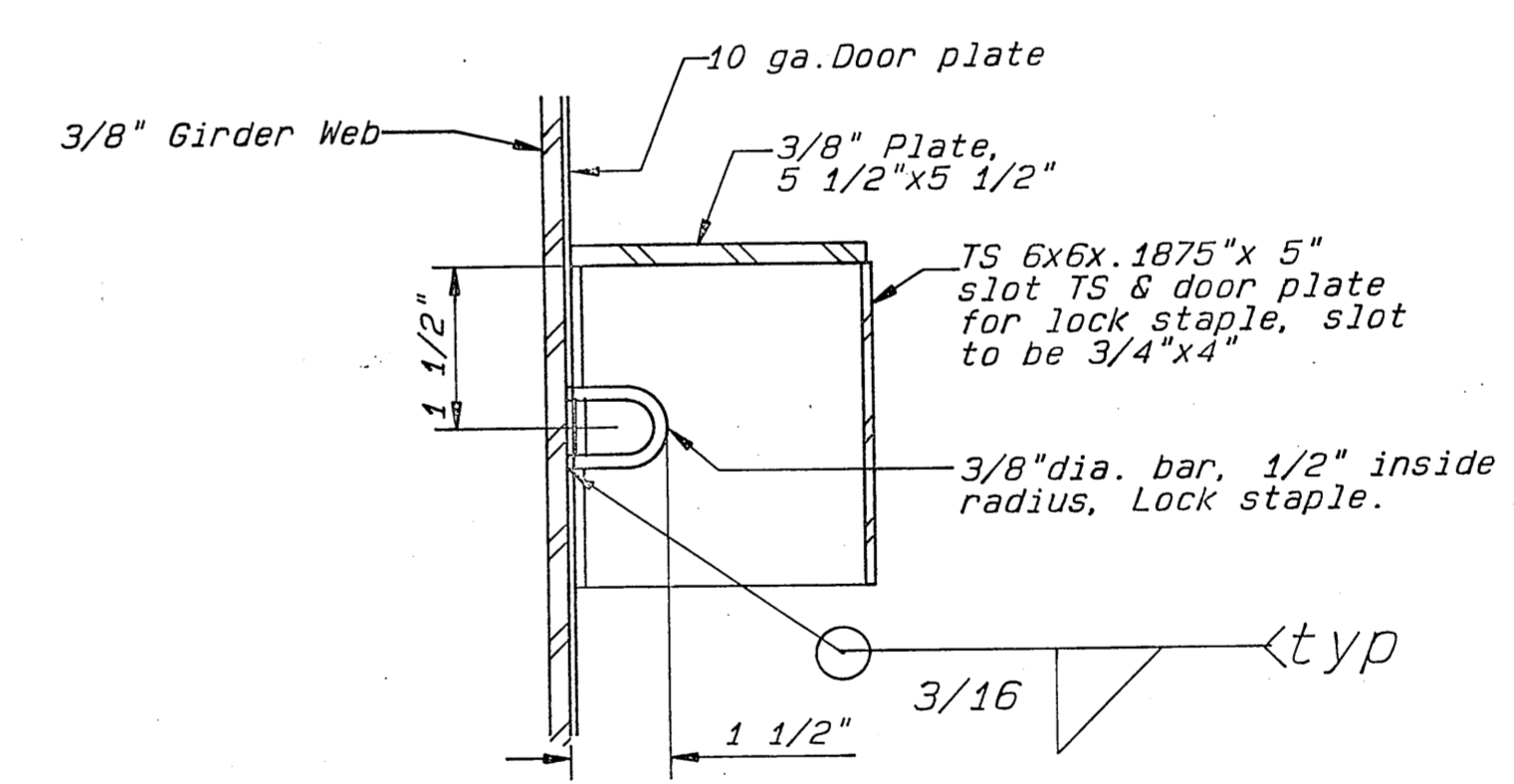


SECTION (A)
looking upland

SECTION (B)
looking seaward

ABUTMENT END, Elevation

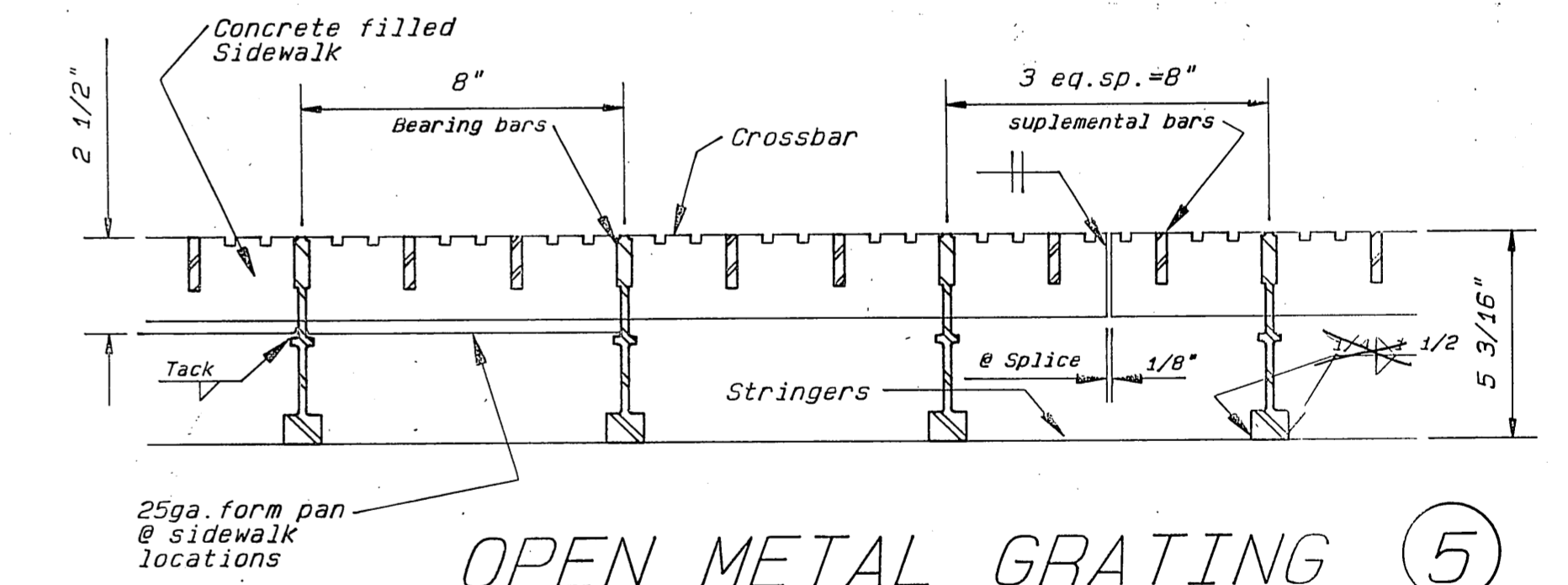
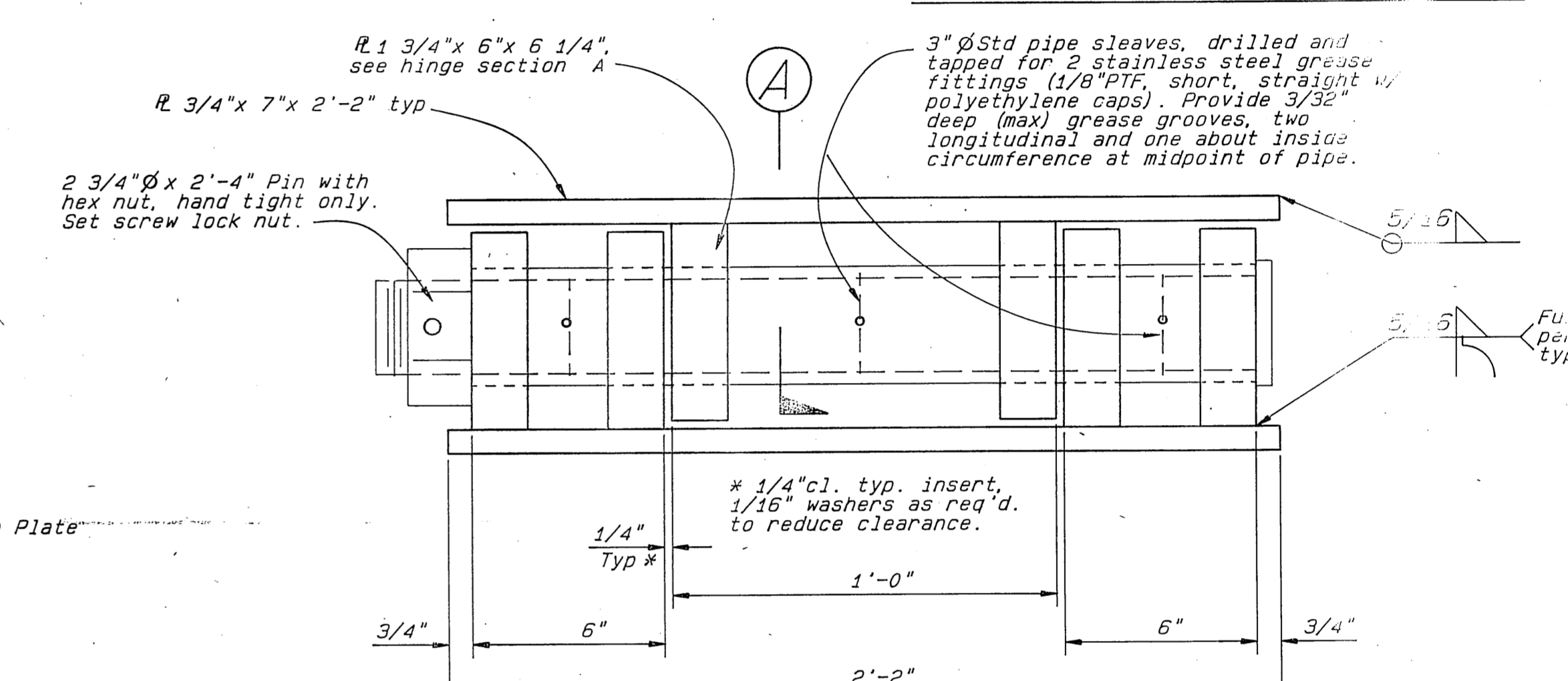
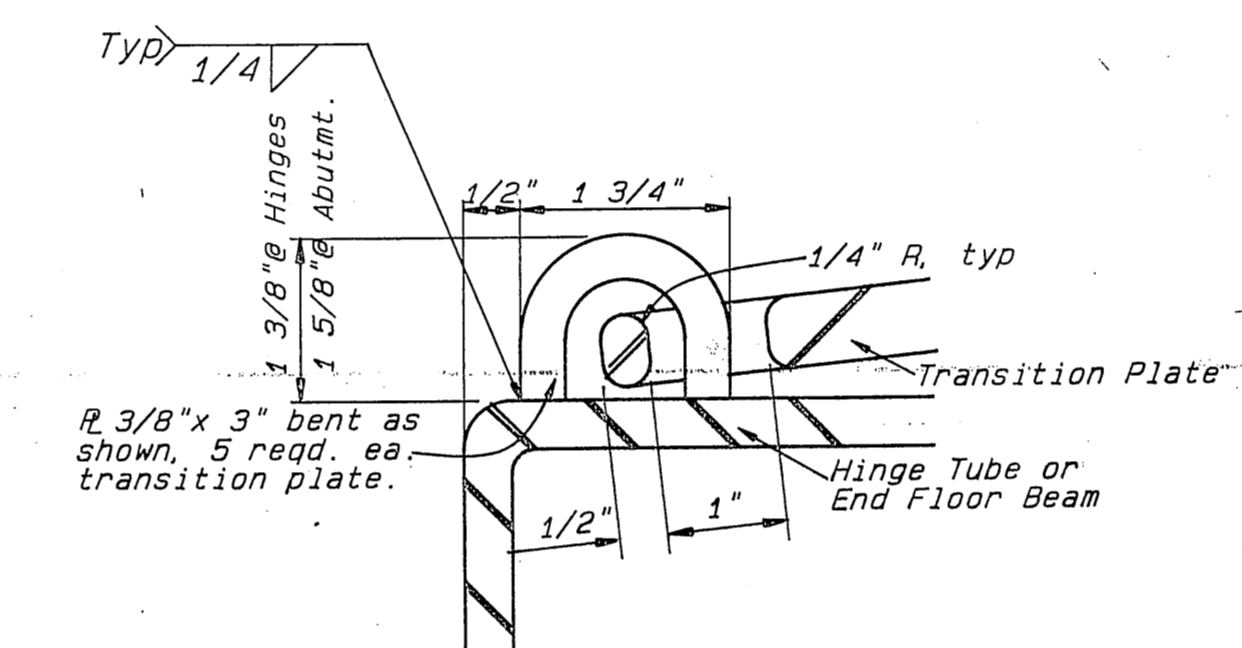
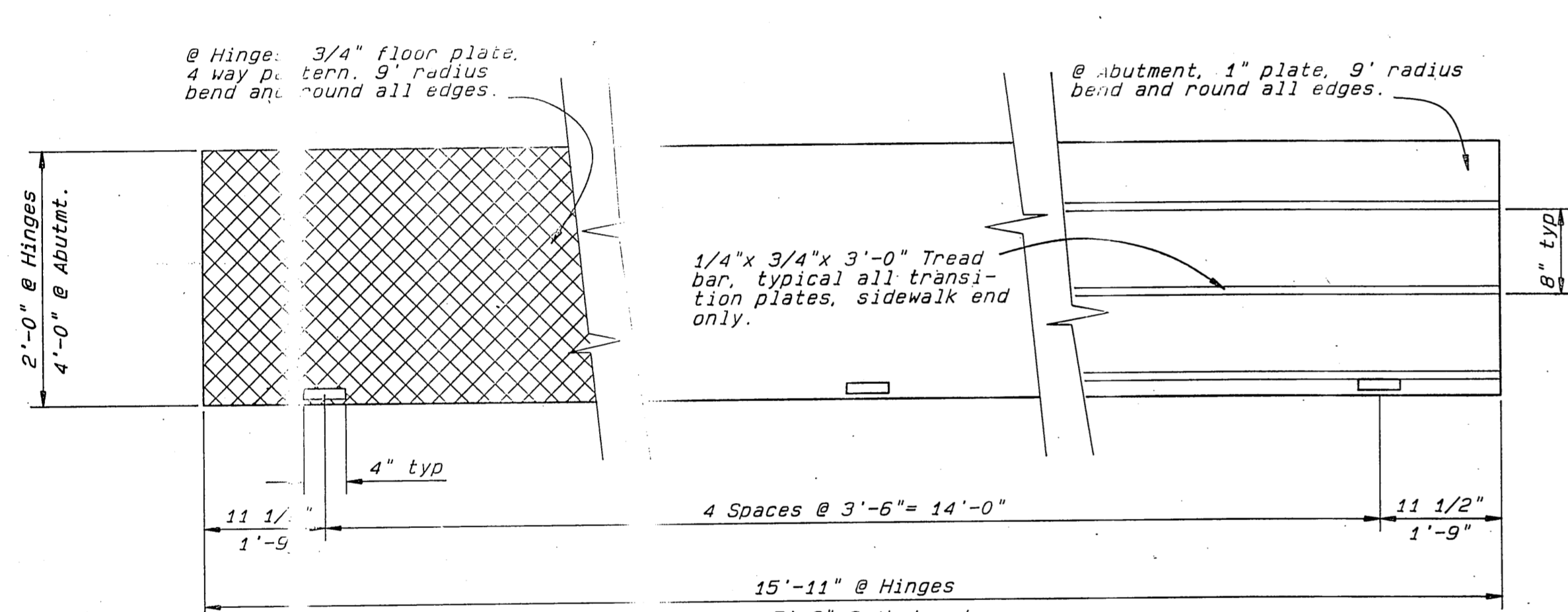
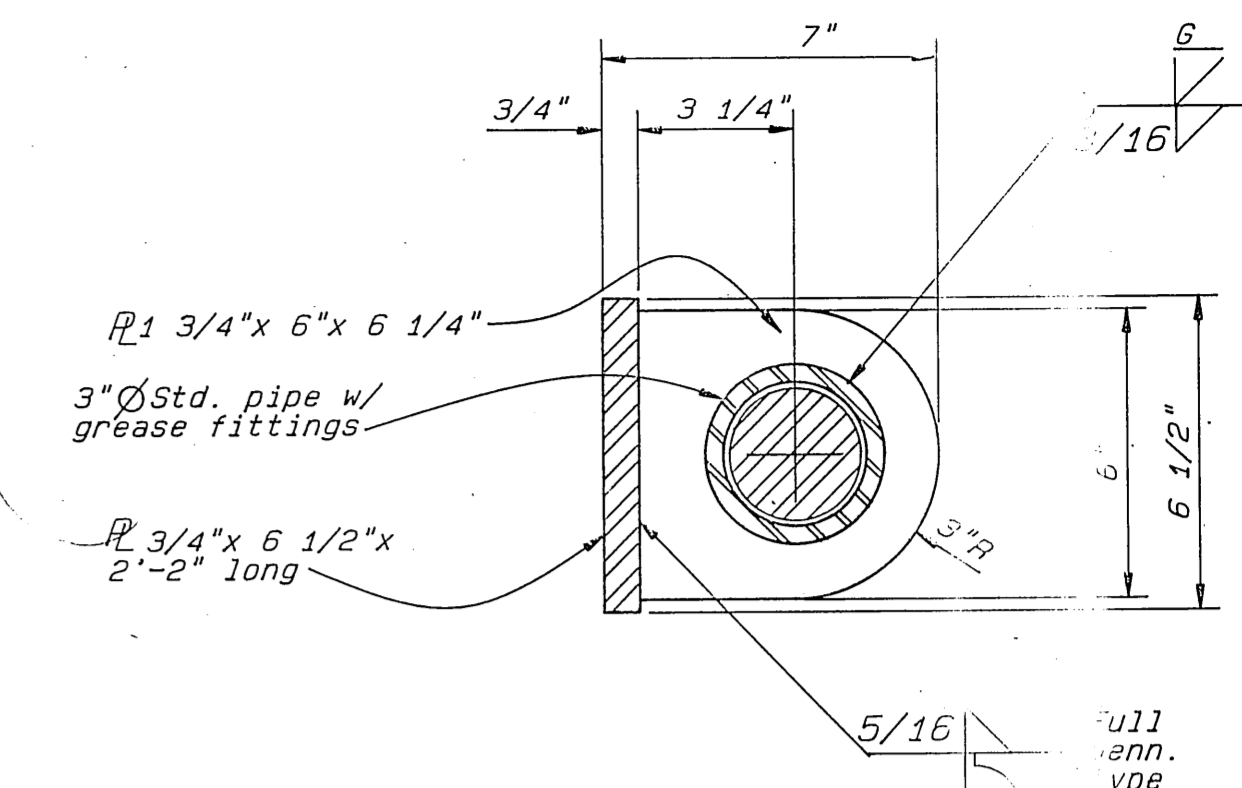
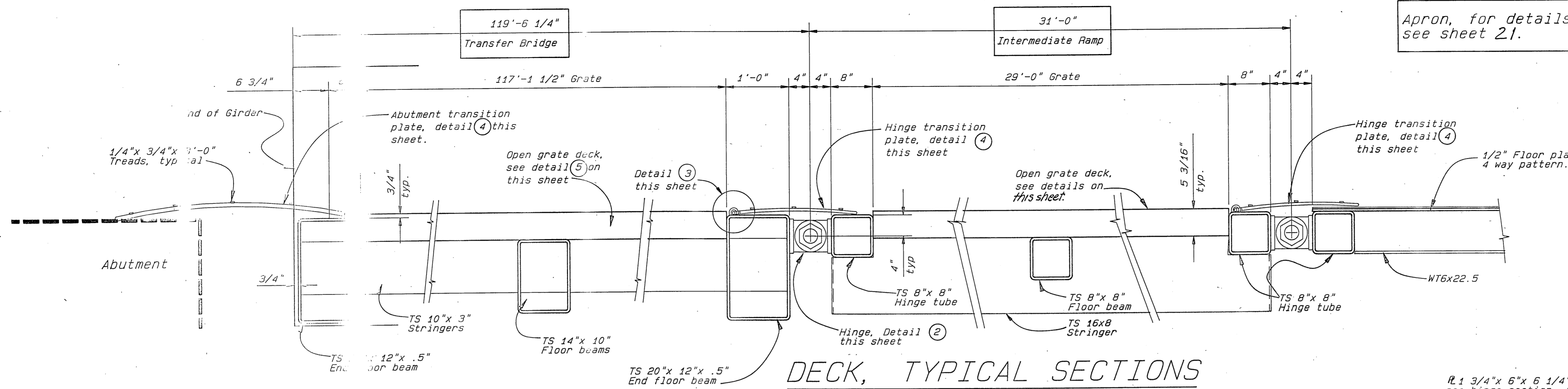
ABUTMENT BEARING,
SEE SHEET B



LOCK COVER DETAIL

As Built
Name & Date

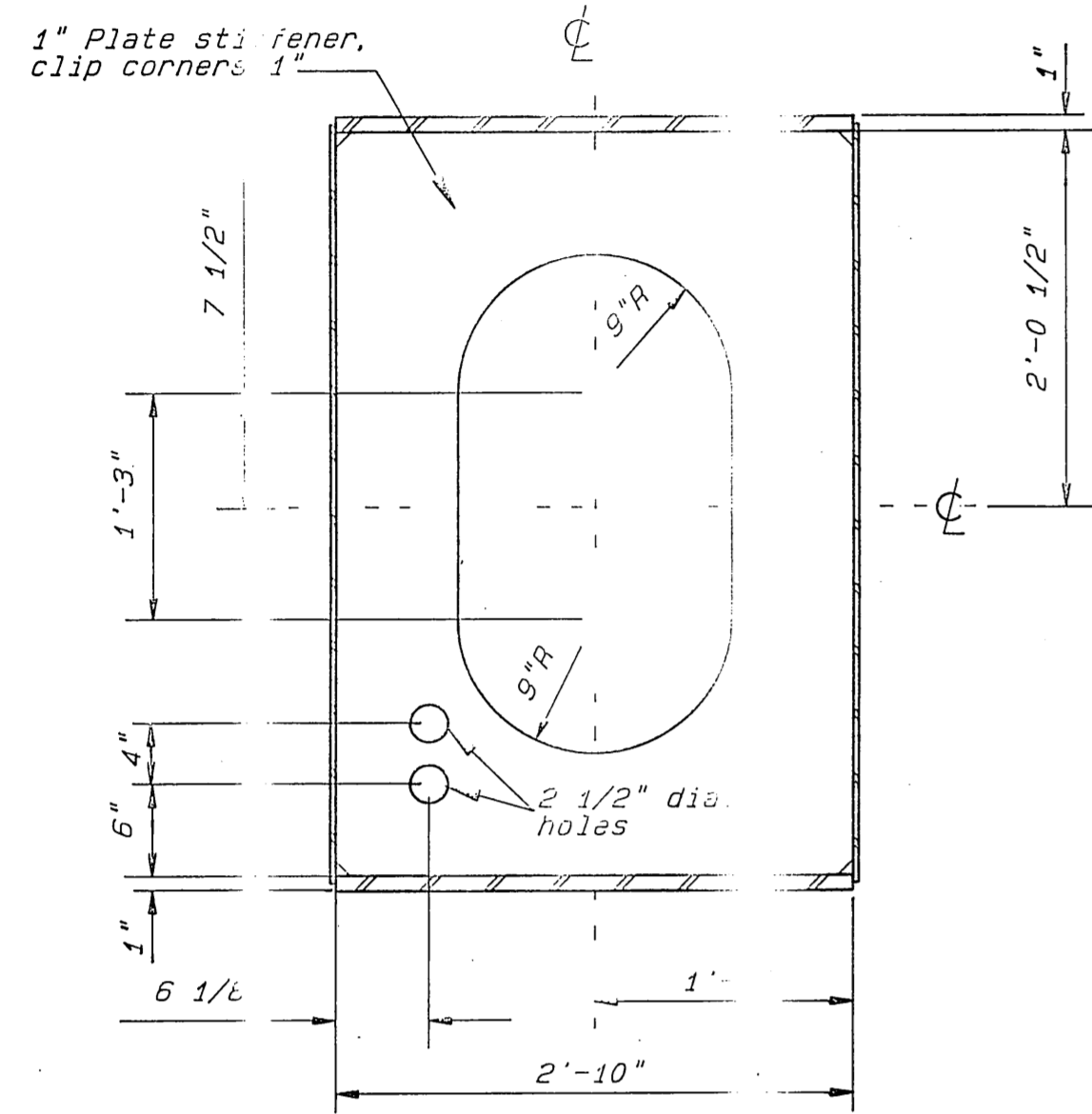
STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
		STATE OF ALASKA			
		DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
		S/TKA		ALA-	
BRIDGE GIRDER DETAILS ABUTMENT END					
DESIGNED JS	CHECKED JS	DRAWN Geool	DATE		
PROJECT NUMBER R5-M-0935 (9)		SHEET 10 OF 41			



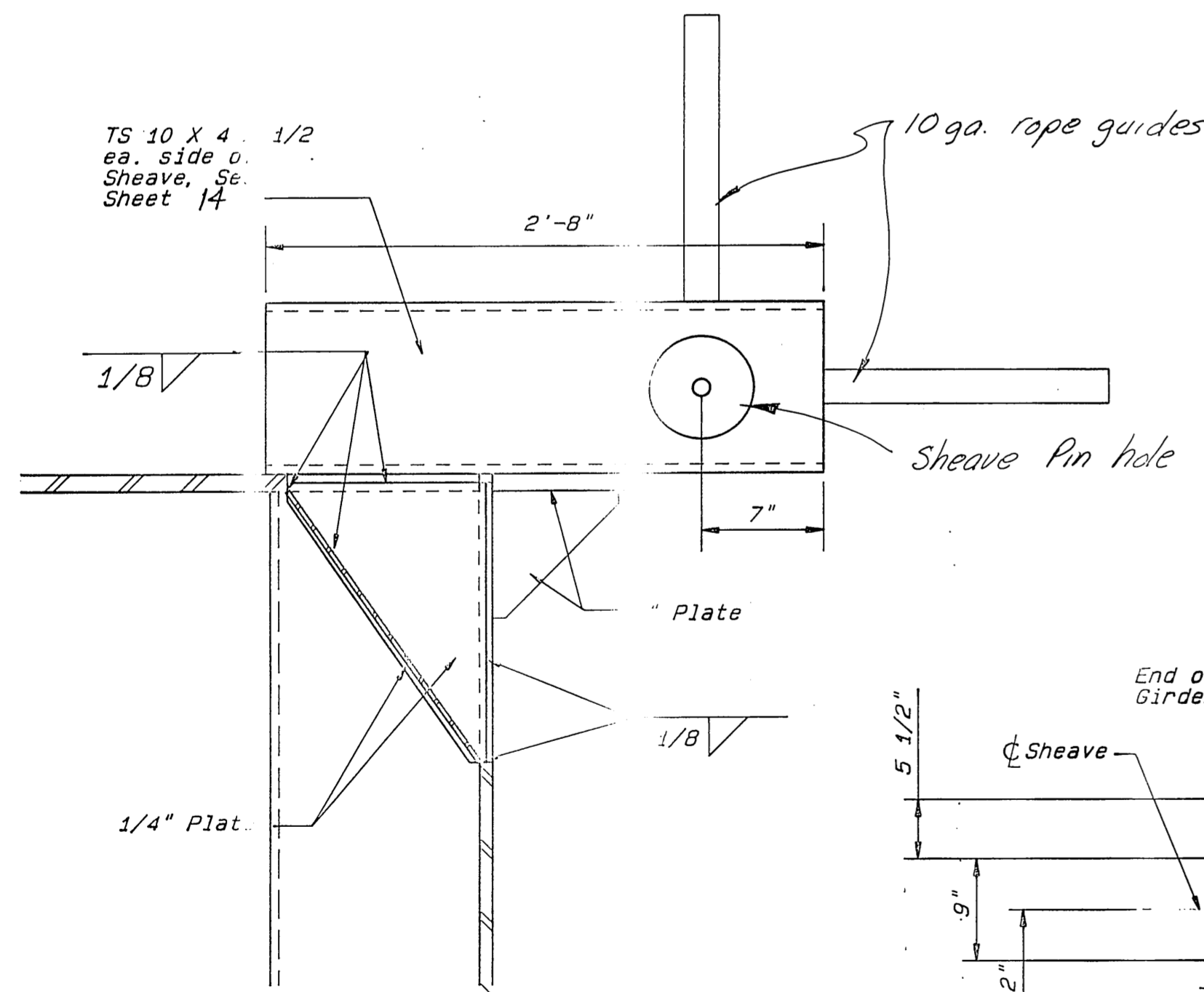
As Built
Name & Date

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA			
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
		DECK HINGE and MISC. DETAILS	
DESIGNED	JS	CHECKED	JL
DRAWN	Geol	DATE	ZAUG 87
PROJECT NUMBER	RS-M-0935 (9)	SHEET	11 OF 41

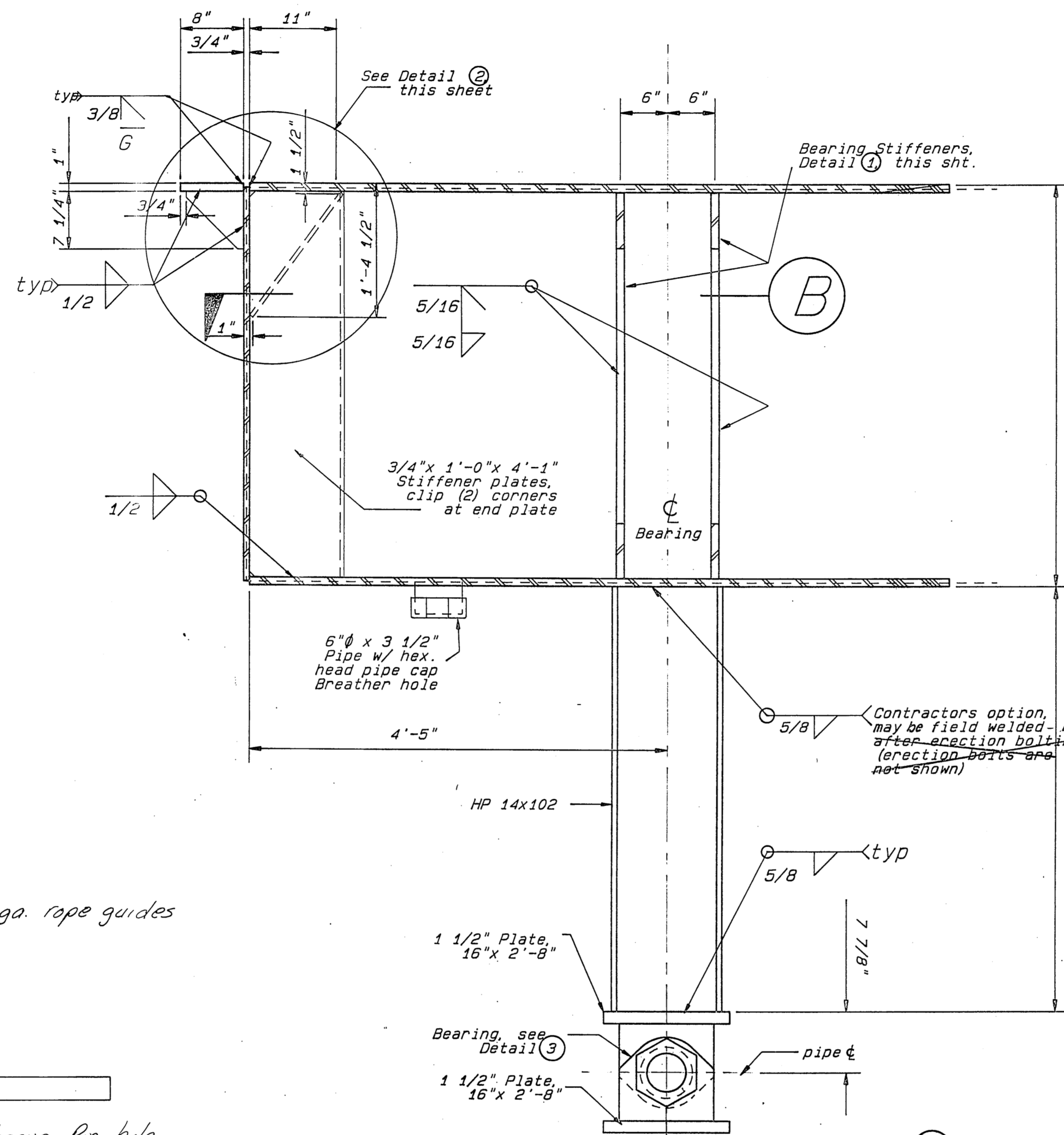
GRATING NOT WELDED DOWN - FASTENED w/ CLIPS - SEE ATTACHMENT



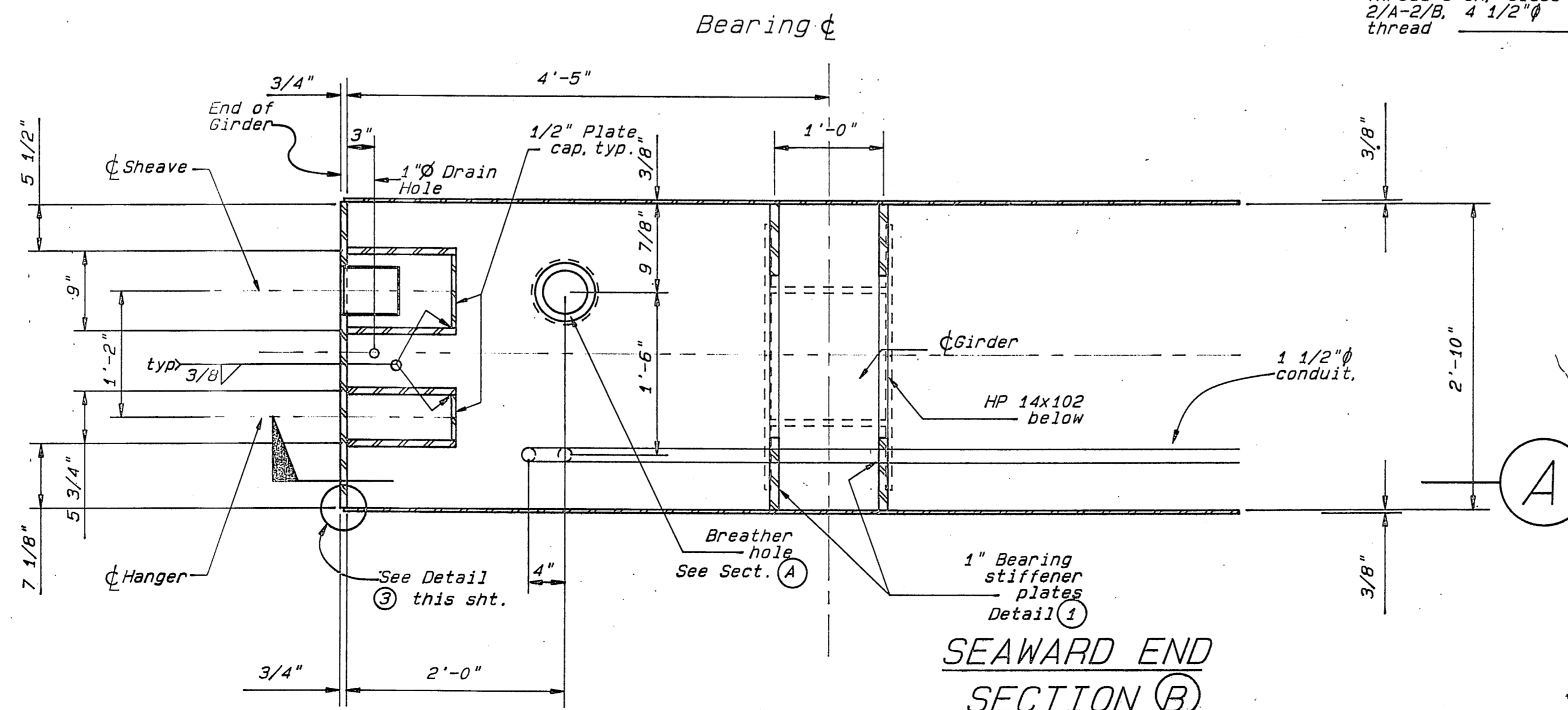
BEARING STIFFENER DETAIL ①



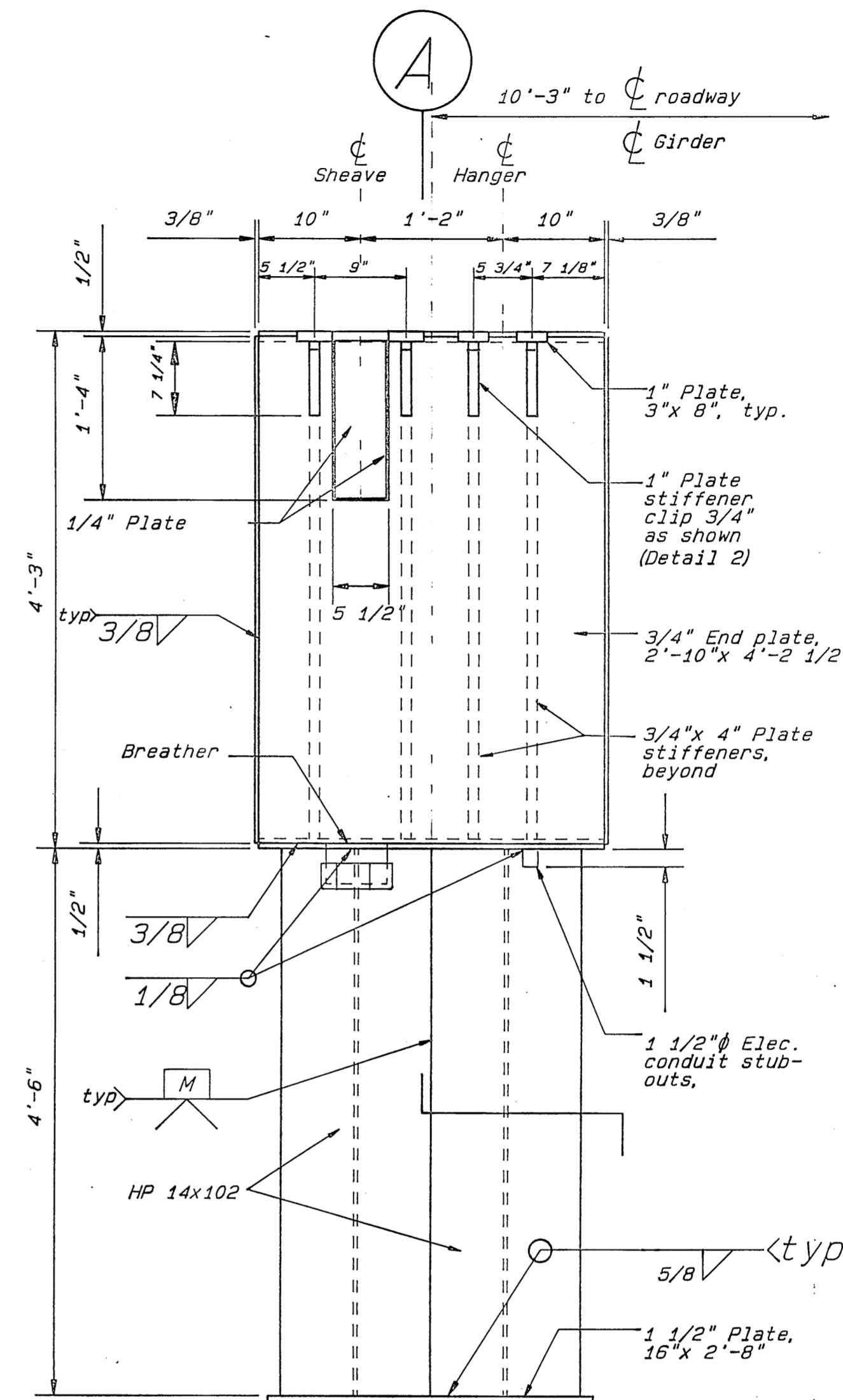
SHEAVE SLOT DETAIL ②



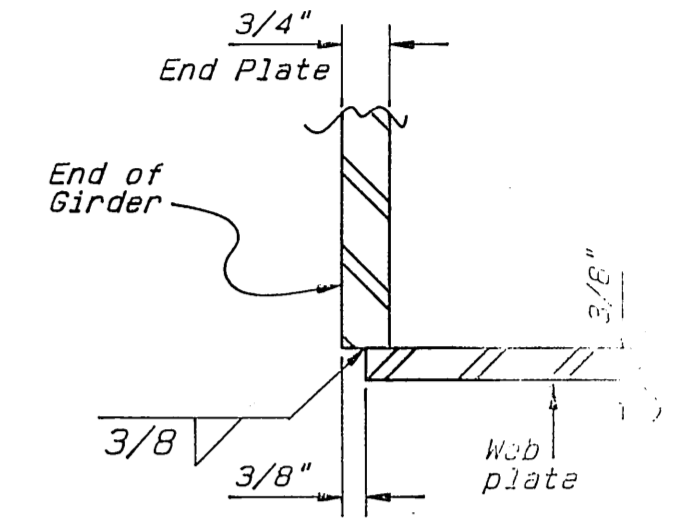
SECTION A



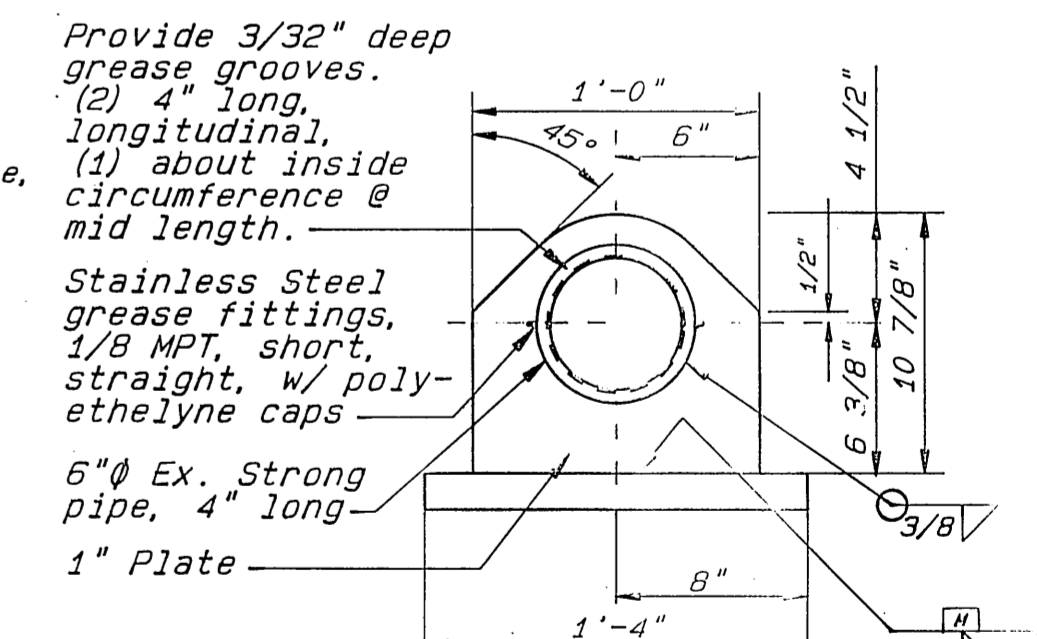
SEAWARD END SECTION B



SEAWARD END ELEVATION



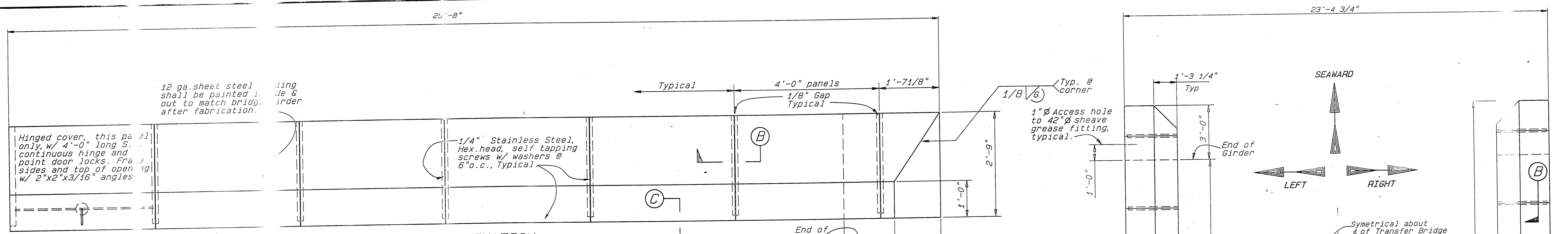
GIRDER END DETAIL ④ (Web to Plate)



BEARING DETAIL ③

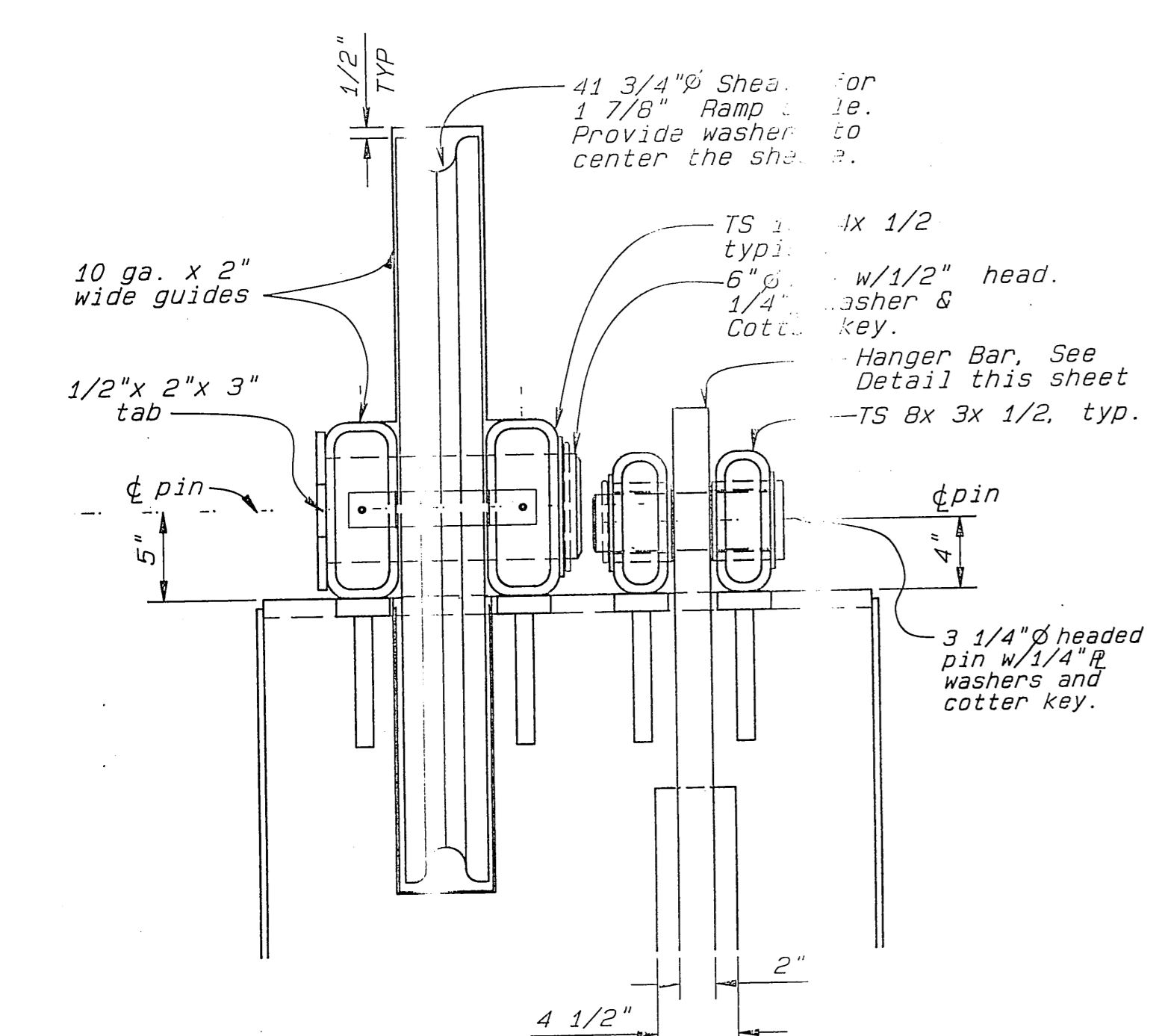
As Built
Name & Date

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
STATE OF ALASKA					
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES					
SITKA					
BRIDGE GIRDER DETAIL SEAWARD END					
DESIGNED JS	CHECKED JL	DRAWN Geol	DATE ZAI		
PROJECT NUMBER RS-M-0935(9)	SHEET 12	OF 41			

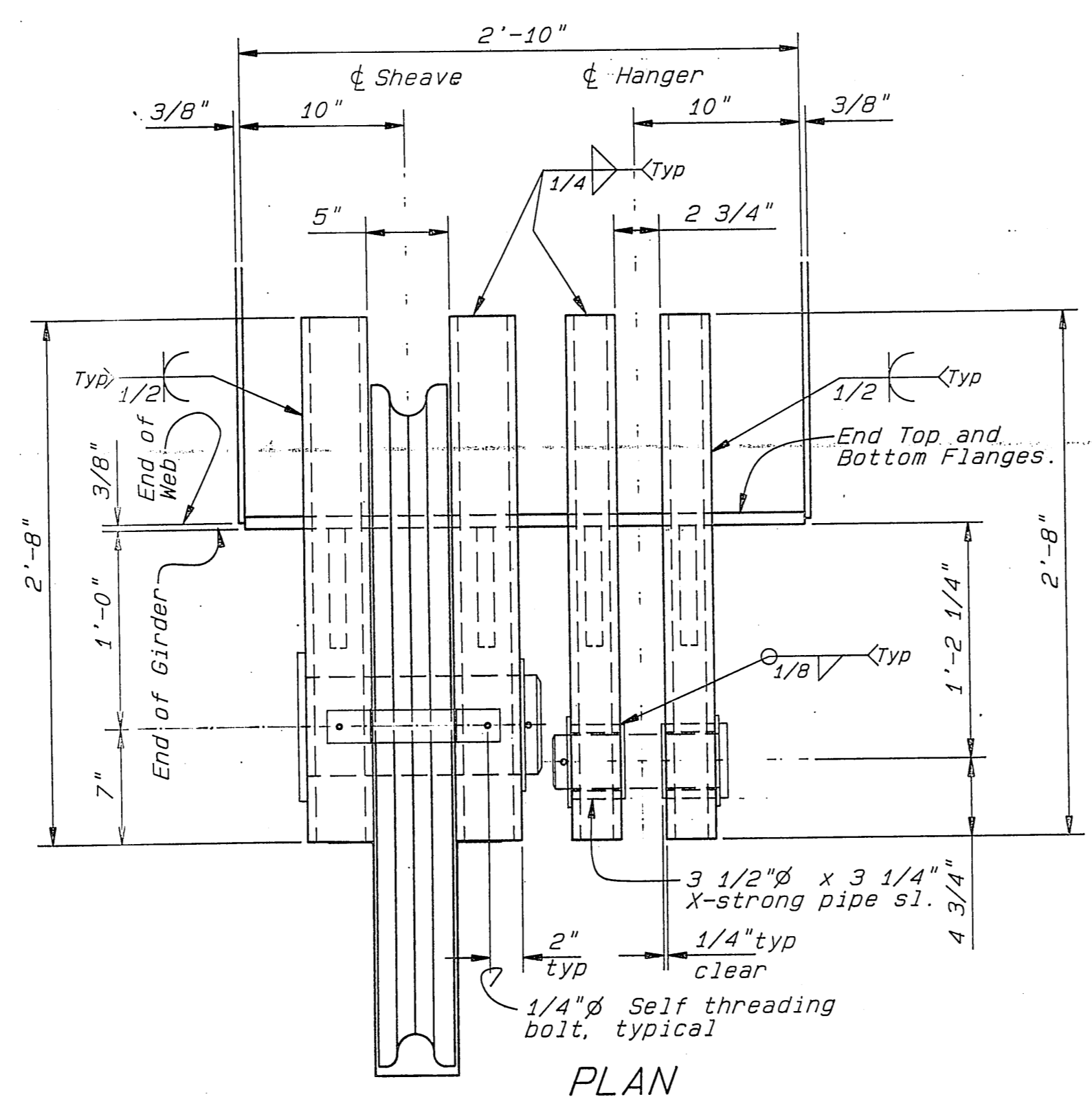


ELEVATION HOUSING DETAILS

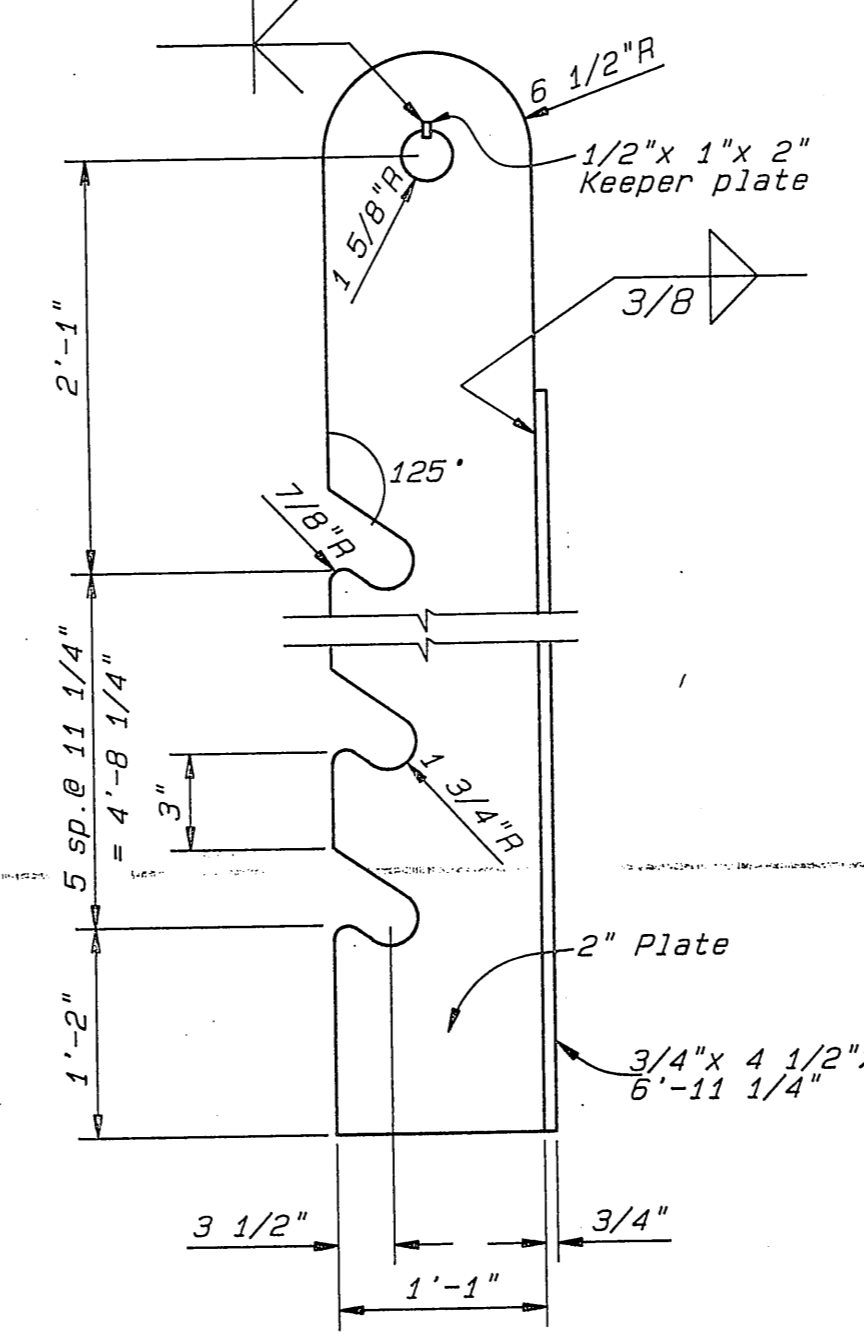
NOTE: Left side housing shown, Right side opposite hand.



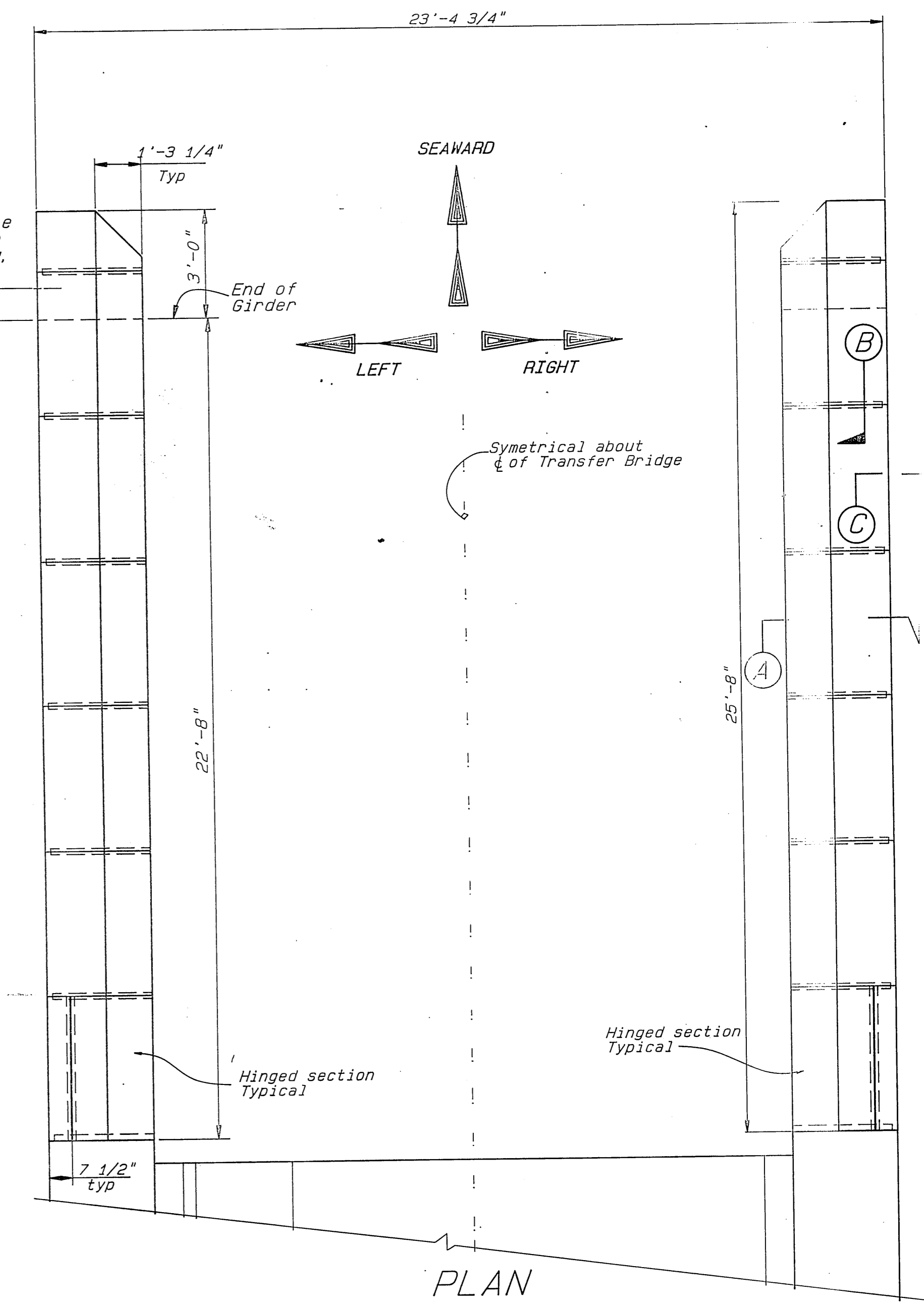
ELEVATION



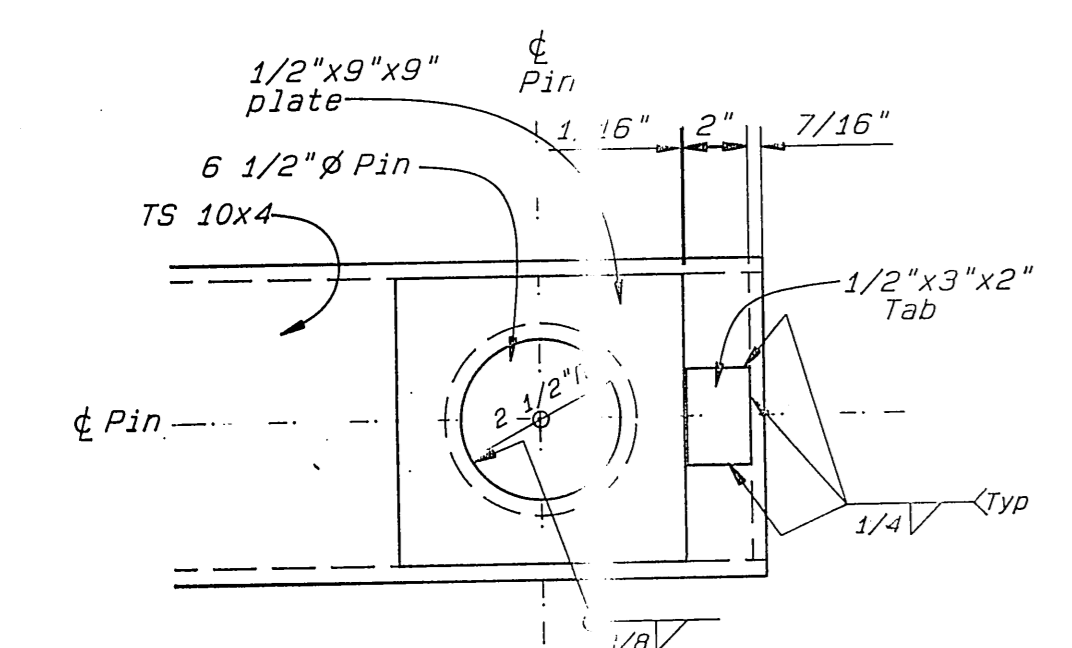
PLAN



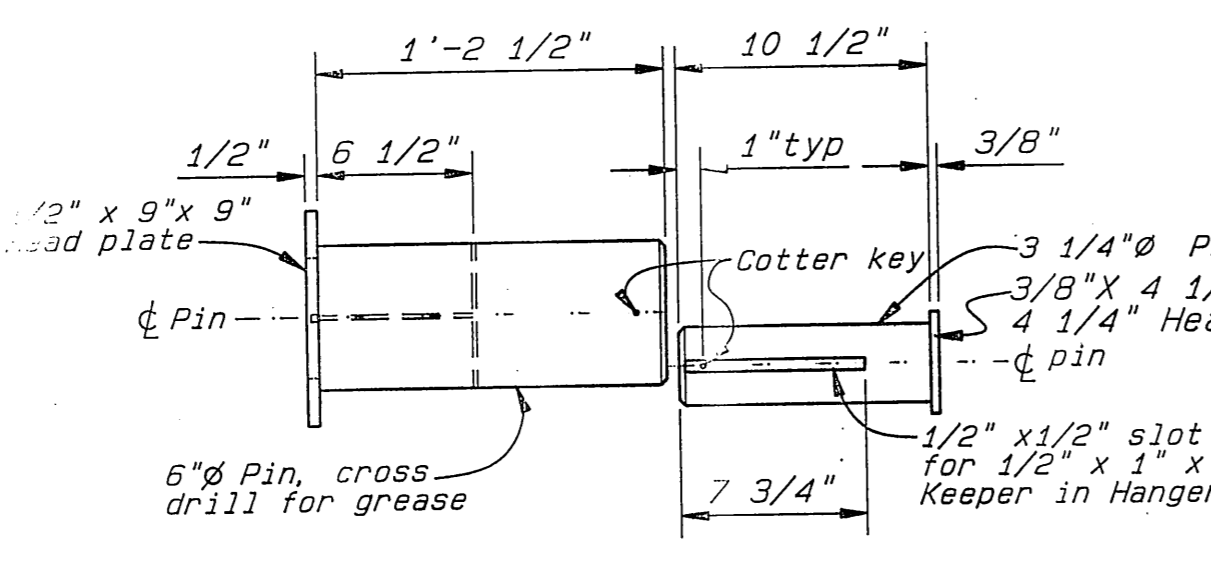
HANGER BAR



PLAN HOUSING DETAILS



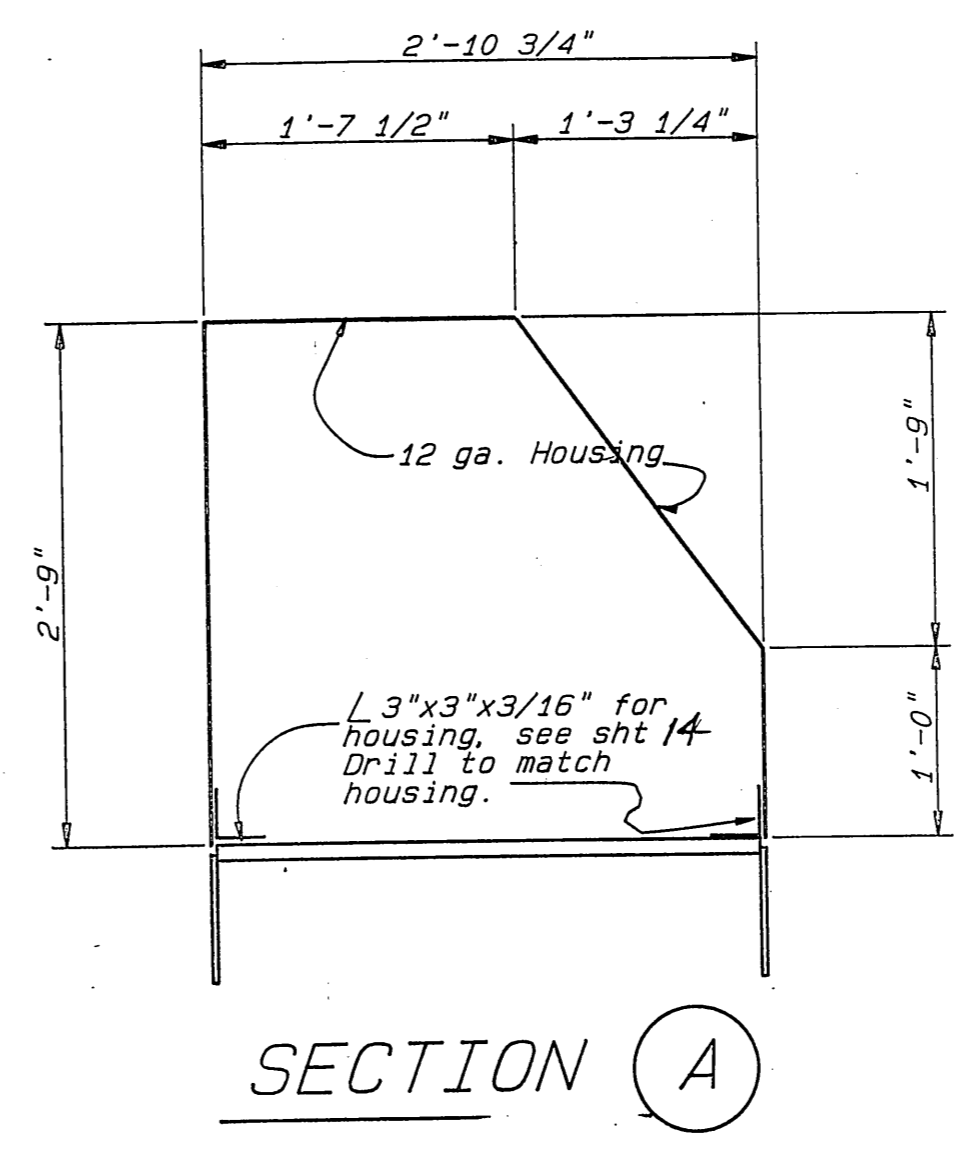
END OF SHEAVE PIN



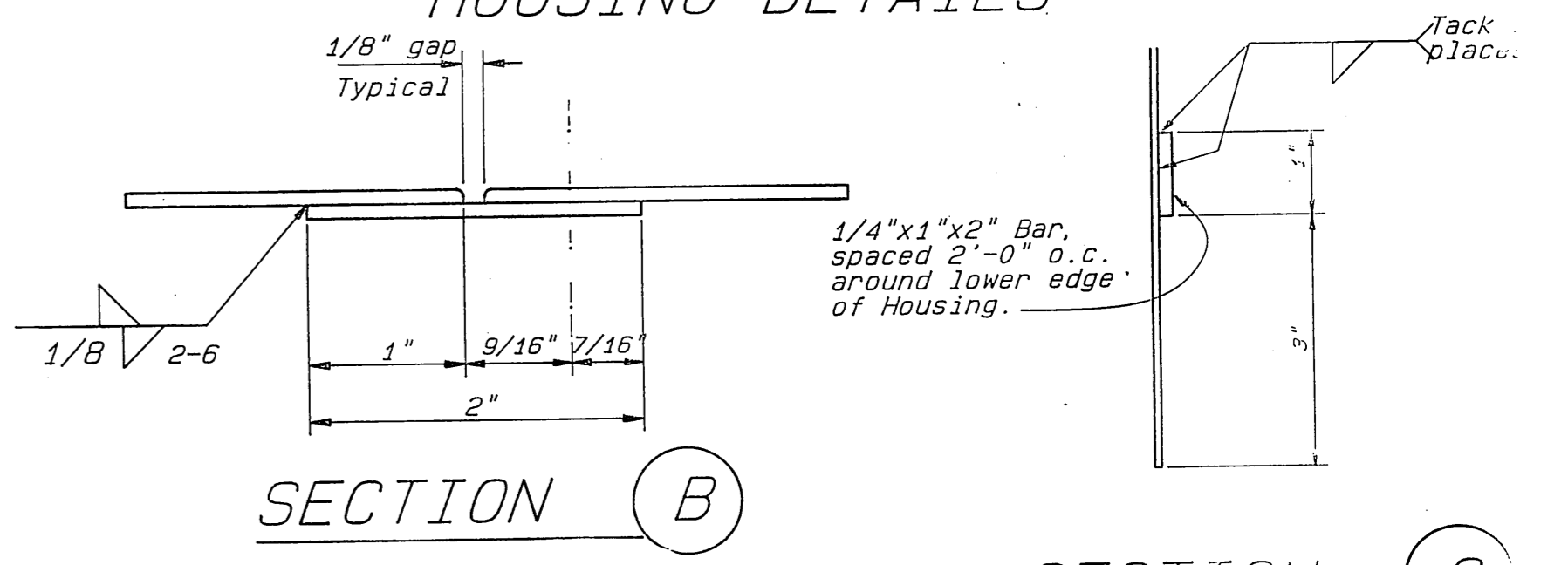
PLAN VIEW

PIN DETAILS

- Cable shall be 1 7/8" x 6 x 25, Right regular lay, Extra High Strength IWRC (minimum breaking strength of 170 tons) Galvanized and greased.
- The sheave shall be: Bronze bushed 41 3/4" O.D. 37 7/8" Tread 4 1/2" Hub thk. 6" Shaft
- Provide 6" sheave pins cross drilled for grease, w/ 1/8" MPT, short, straight, stainless steel grease fitting and polyethylene cap.
- Close all open ended tube ends w/ 1/4" plate and seal weld.



SECTION A



SECTION B

SECTION C

AS BUILT NAME & DATE

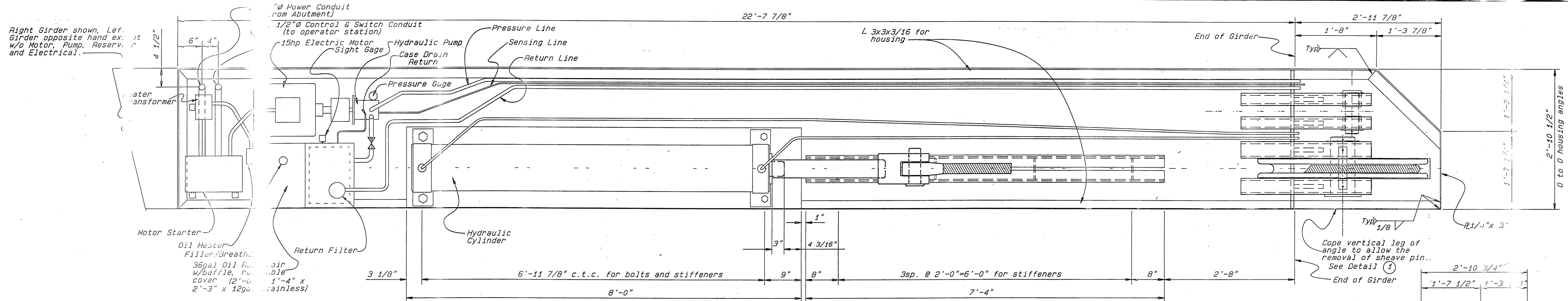
DO NOT SCALE THIS DRAWING - USE DIMENSIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

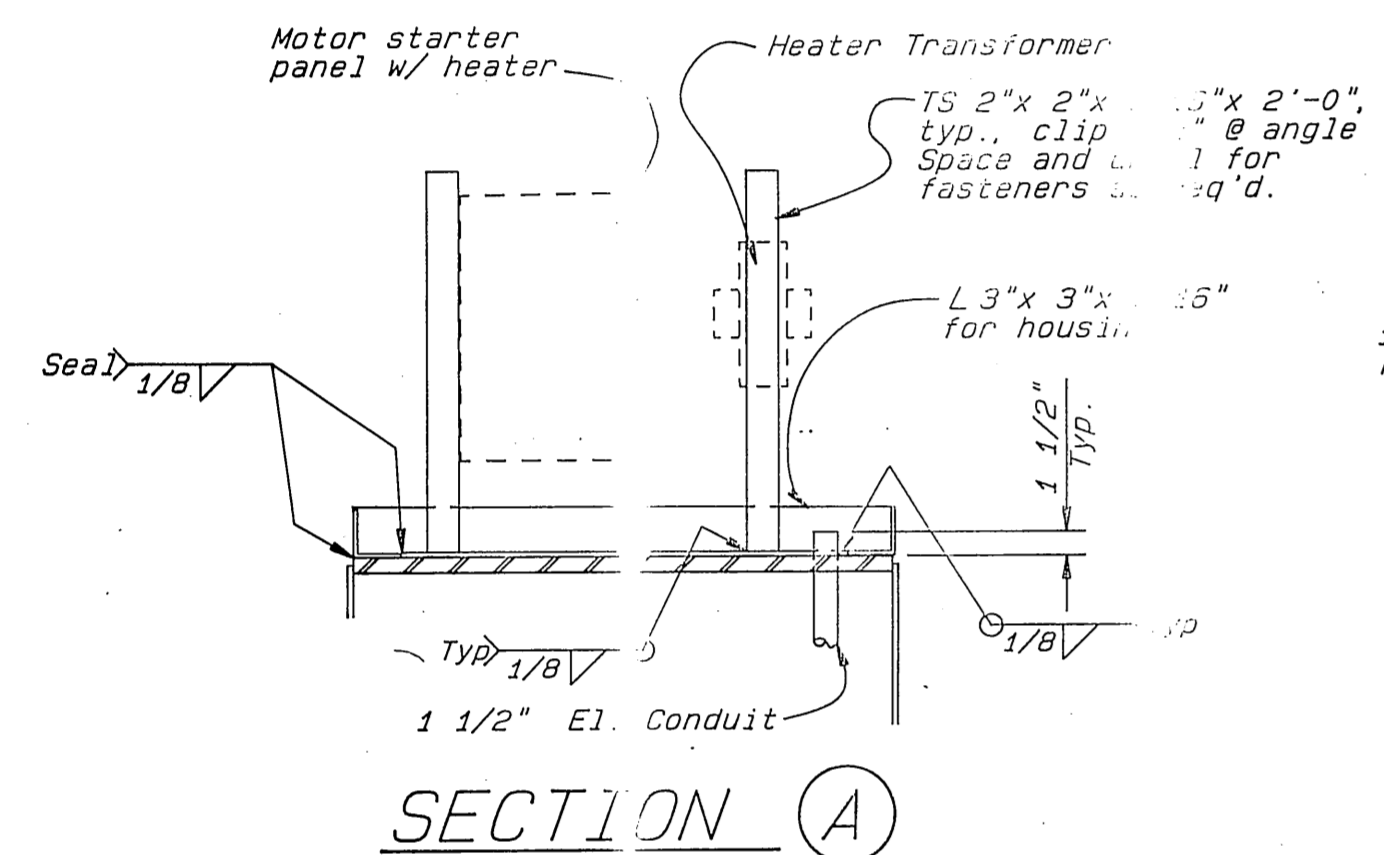
SITKA
Girder Details, Seaward End ALAS 2A

DESIGNED JS CHECKED JL DRAWN Geol DATE 7AUG
PROJECT NUMBER RS-M-0935 (9) SHEET 13 OF 41

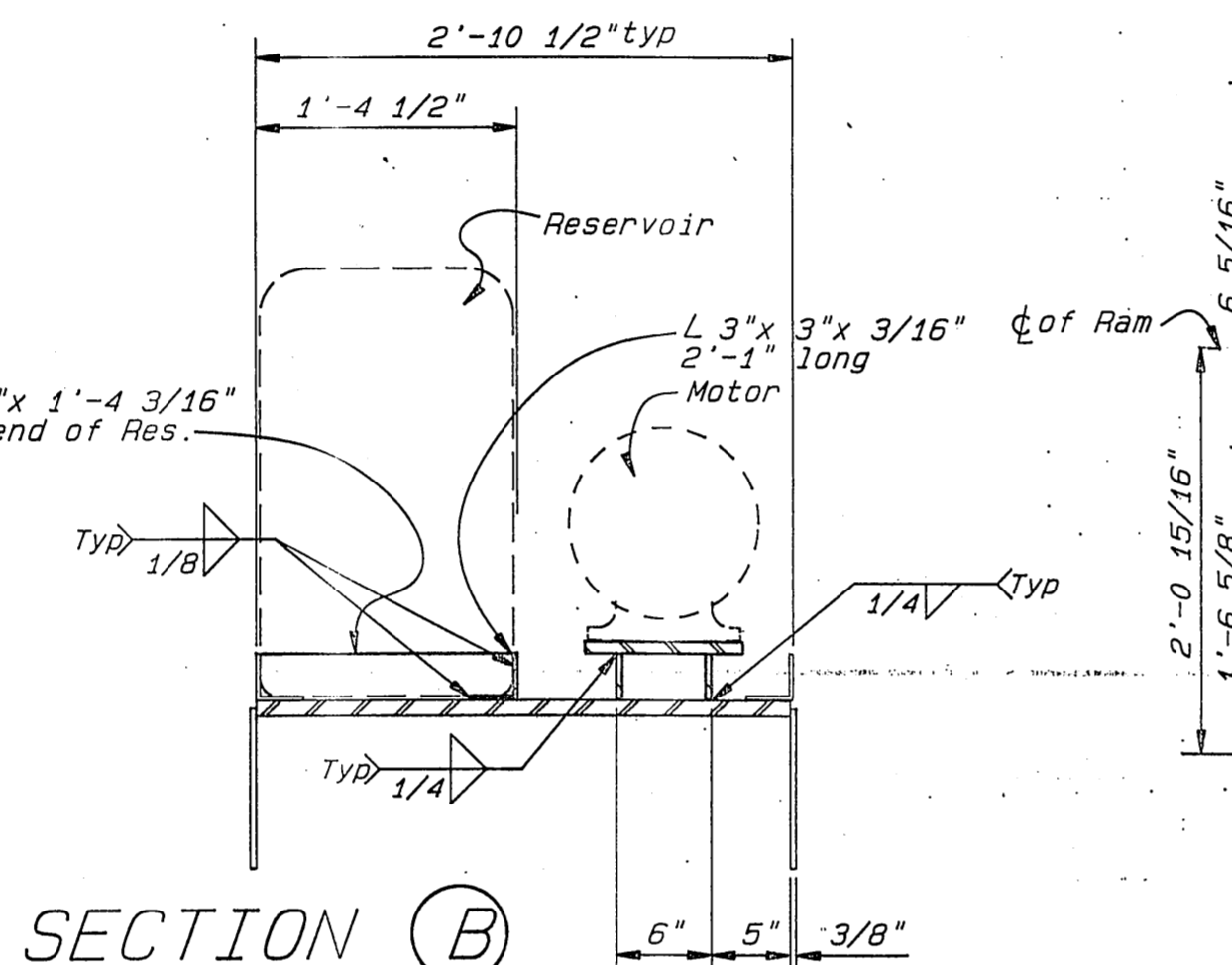
9-15-81



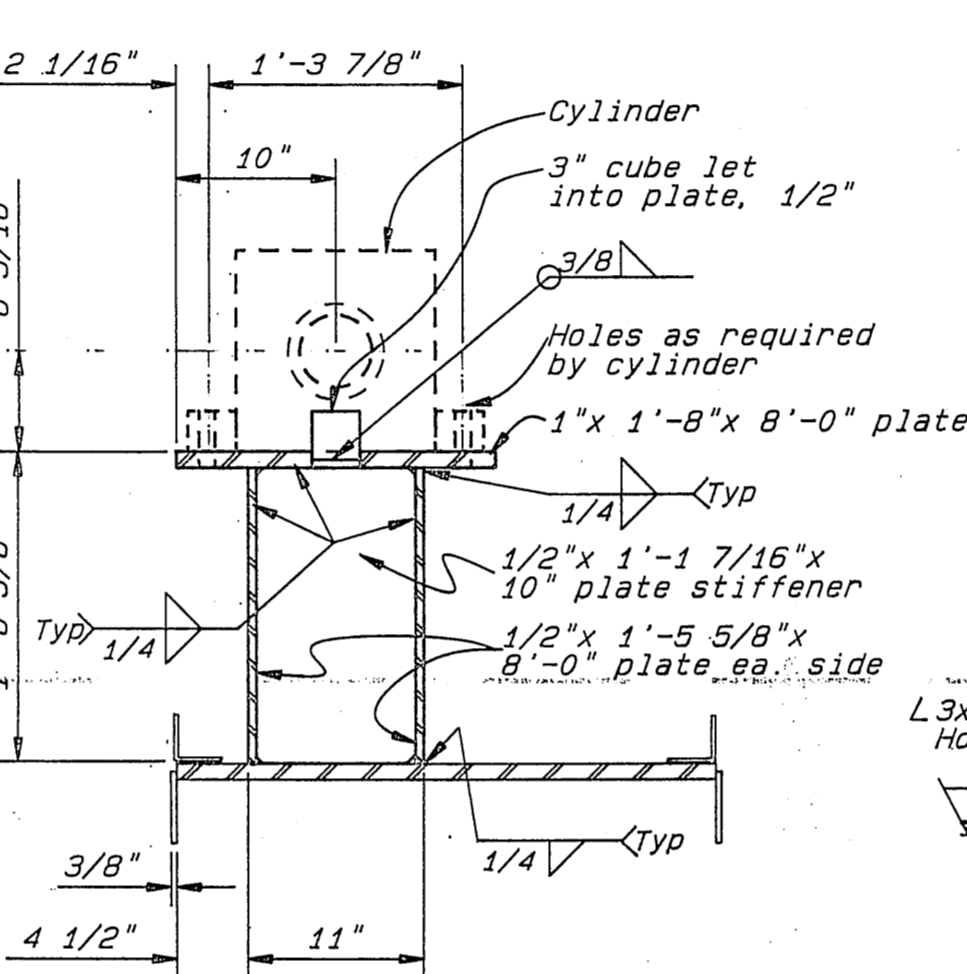
PLAN VIEW



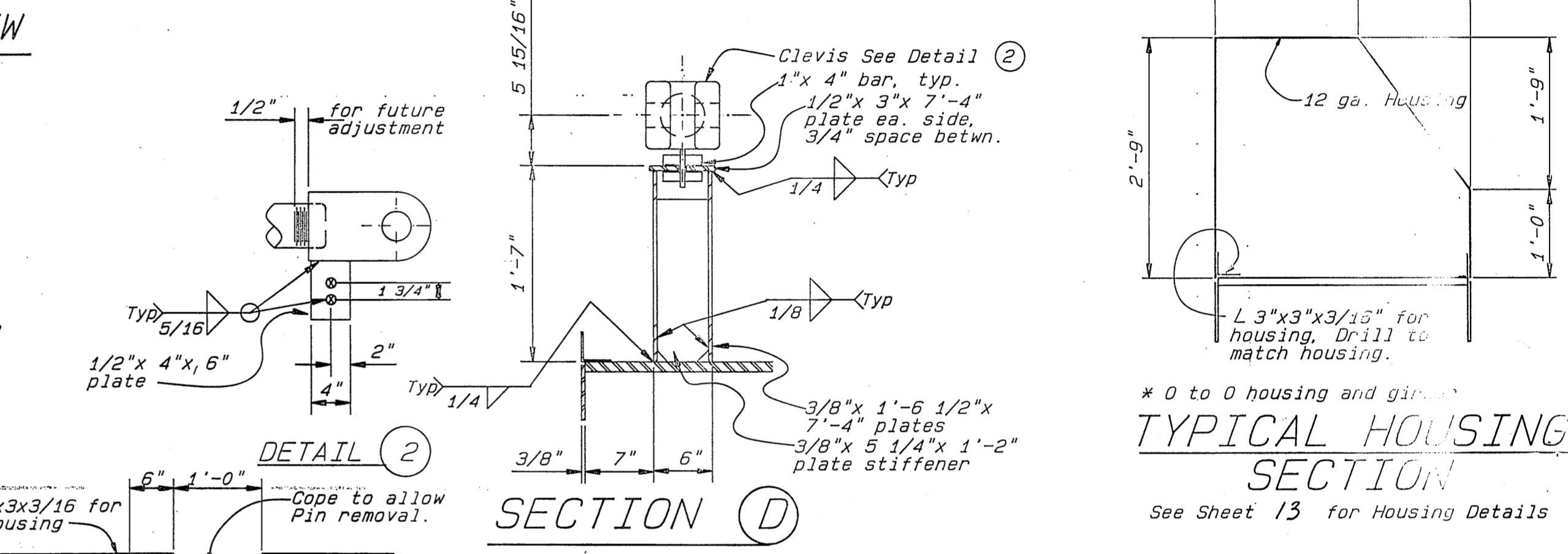
SECTION A



SECTION B



SECTION C



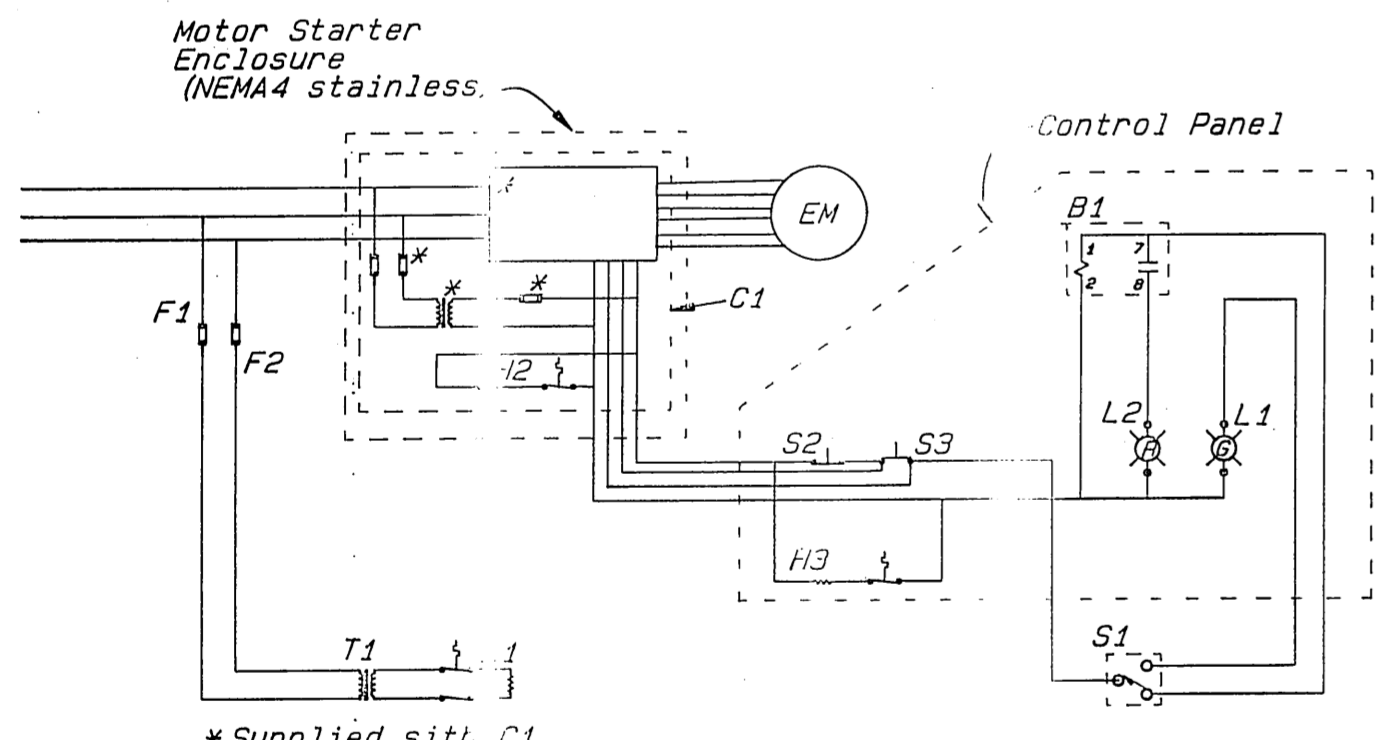
SECTION D

TYPICAL HOUSING SECTION
See Sheet 13 for Housing Details

LEGEND

- Sensing 1/4"Ø
- Supply 1 1/2"Ø
- Return 3/4"Ø
- Pressure 3/4"Ø
- Case Drain 1/2"Ø

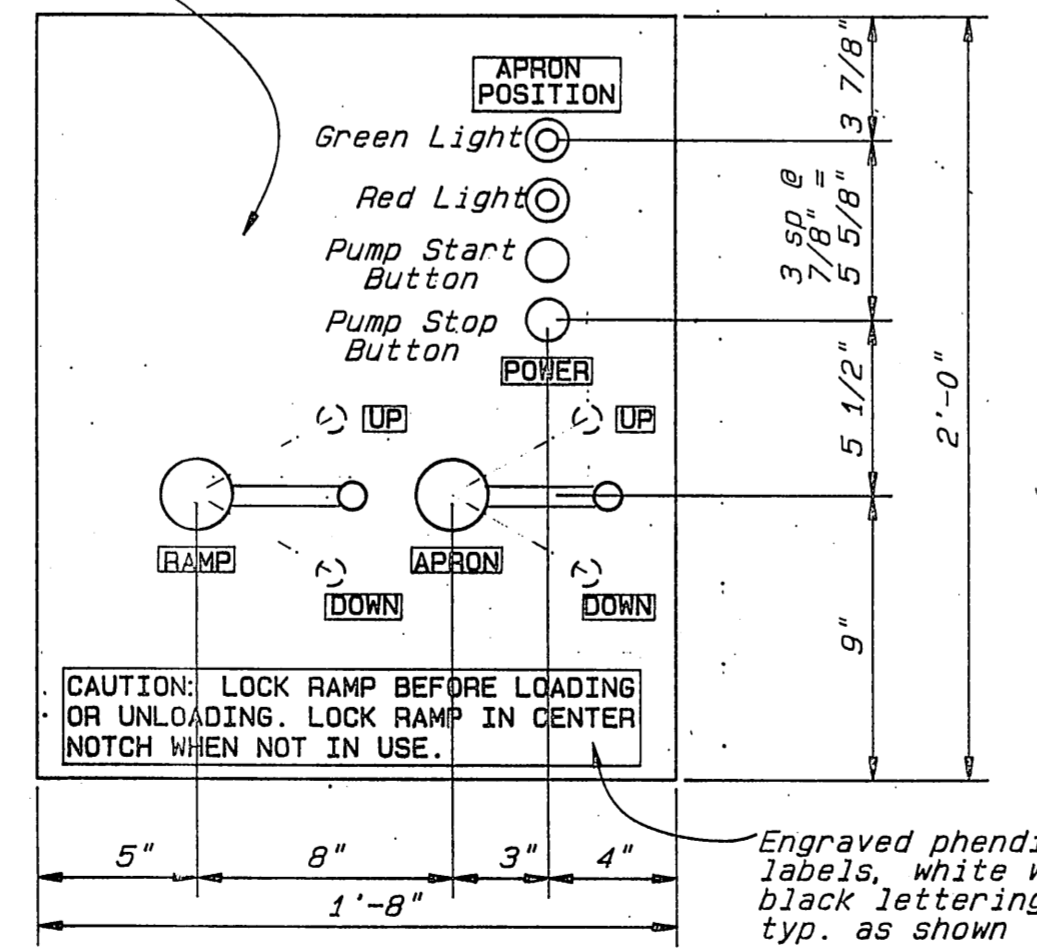
- 1 CMPF 33-10 X 10 MICRON RETURN FILTER ELEMENT F33-10
- 2 CF1A-4080-C80 FILTER BREATHER
- 3 2" GATE VALVE
- 4 ARTMO-500E2 500 WATT IMMERSION HEATER
- 5 P50-2-100 100 MESH STRAINER WITH MAGNETIC STRAPS
- 6 36 GALLON SPECIAL RESERVOIR
- 7 15HP TEFC, 1800 RPM, 460 VAC, 3PH, 60HZ ELECTRIC MOTOR
- 8 PFC232-LDB VARIABLE VOLUME, FLOW REGULATED, PRESSURE COMPENSATED, PISTON PUMP, 2.32 C.I.D., 1300 PSI.
- 9 KLN250B NEEDLE VALVE
- 10 CFIP-210S PRESSURE GAGE, 0-3000 PSI
- 11 8144S1HC3-MC 4-WAY, 3 POSITION, CLOSED CENTER, SPRING RETURN, DIRECTIONAL CONTROL VALVE
- 12 15652 SHUTTLE VALVE
- 13 8012 10 X 66 CYLINDER WITH 4 1/2"Ø S.S. ROD, CUSHIONS AND LIMIT SWITCH, SEE SHEET 20. AIR BLEEDERS EA. END
- 14 8011 10 X 75 CYLINDER WITH 4 1/2"Ø ROD, FULLY RETRACTED, THE ROD SHALL EXTEND 6". AIR BLEEDERS EA. END
- 15 PNEU-TROL EDC 35SS CHECK VALVES
- 16 COUNTER BALANCE VALVE, SUN CBEA-LAN-HBA, FIELD ADJUST.



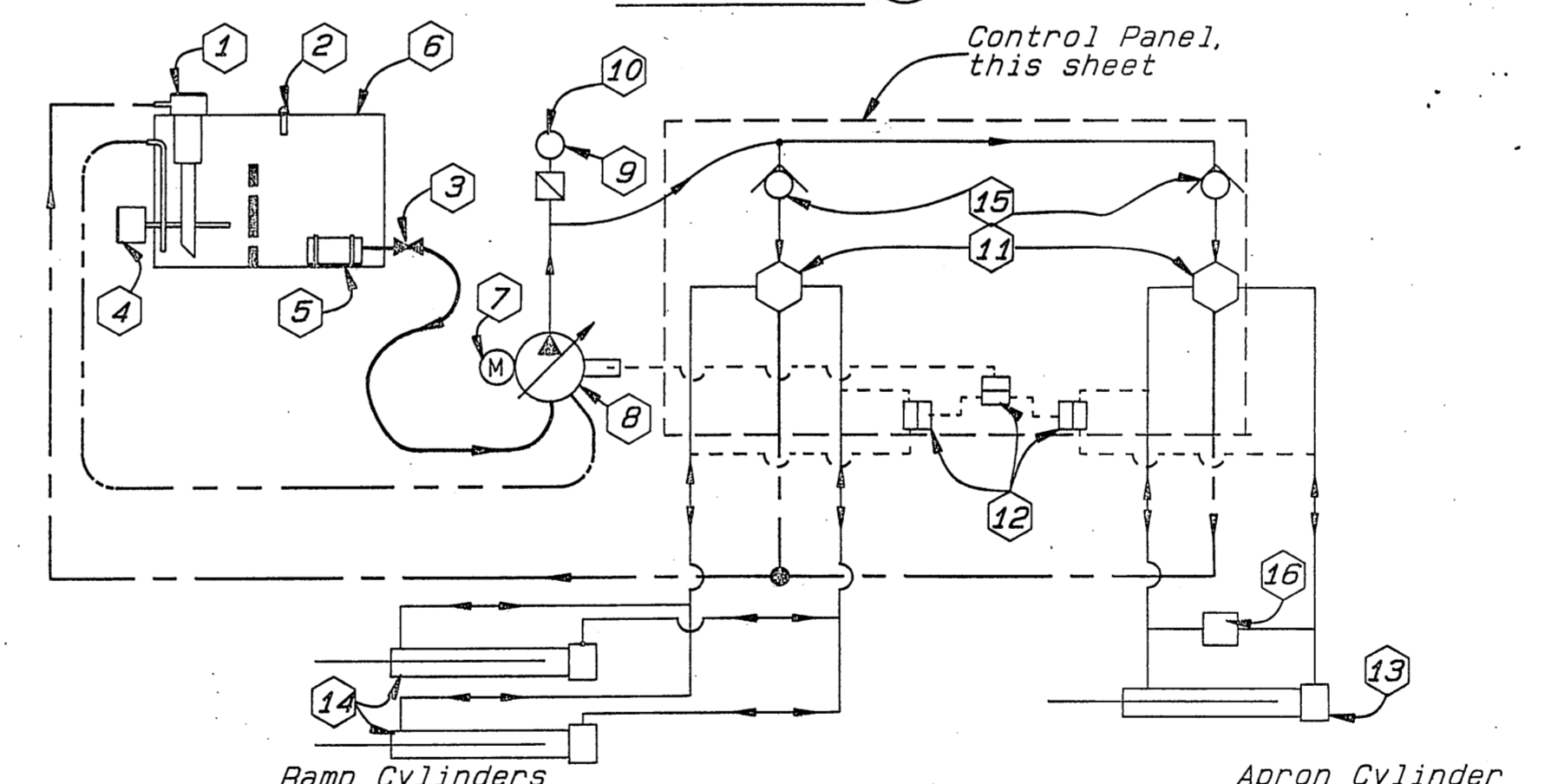
- * Supplied with C1
- B1 Flash Relay, SSAC Type FS590
- C1 Combination Starter Square D DW-11-581 Form T-11 w/Nema 4, 3.5 enclosure 480V primary with 480 to 120 XFMR.
- EM Electric Motor 15hp., 1800 rpm, 460V, 3ph, 60Hz.
- F1 & F2 Fuses, 2amp, 500V.
- H1 Heater, 500 watt Chromalox No. A500-500 E2.
- H2 & H3 Heaters, 25 watt, 420V w/ limit voltage thermostats.
- L1 & L2 Lights, R = red, G = green.
- S1 Limit switch, S.P.D.T. located on (13).
- S2 Stop switch, S.P.D.T. normally closed, push button.
- S3 Start switch, S.P.D.T. normally open, push button.
- T1 Transformer, 480V/120V, 750 V.A.

ELECTRICAL SCHEMATIC

Ramp and Apron controls to be mounted in a 12ga. stainless steel enclosure w/ L 1 1/4" x 1 1/4" x 3/16" frame, 24" H, 20" W and 9" D. Enclosure shall have locking cover w/ removable bottom hinge and gasket, 24" H x 20" W x 3" D front panel shall be removable, sides, back and top welded, bottom drill for hydraulic and electrical lines.



CONTROL PANEL

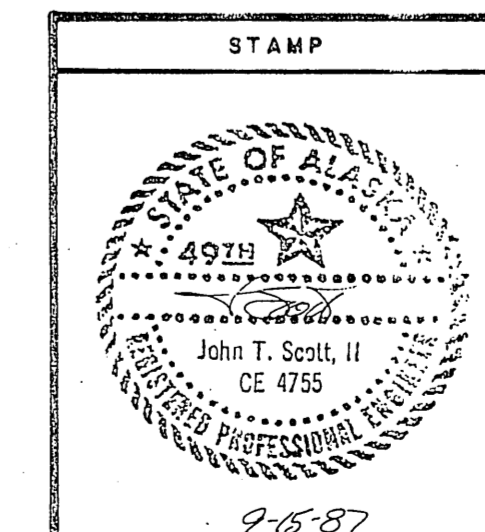


HYDRAULIC SYSTEM SCHEMATIC

NOTE:

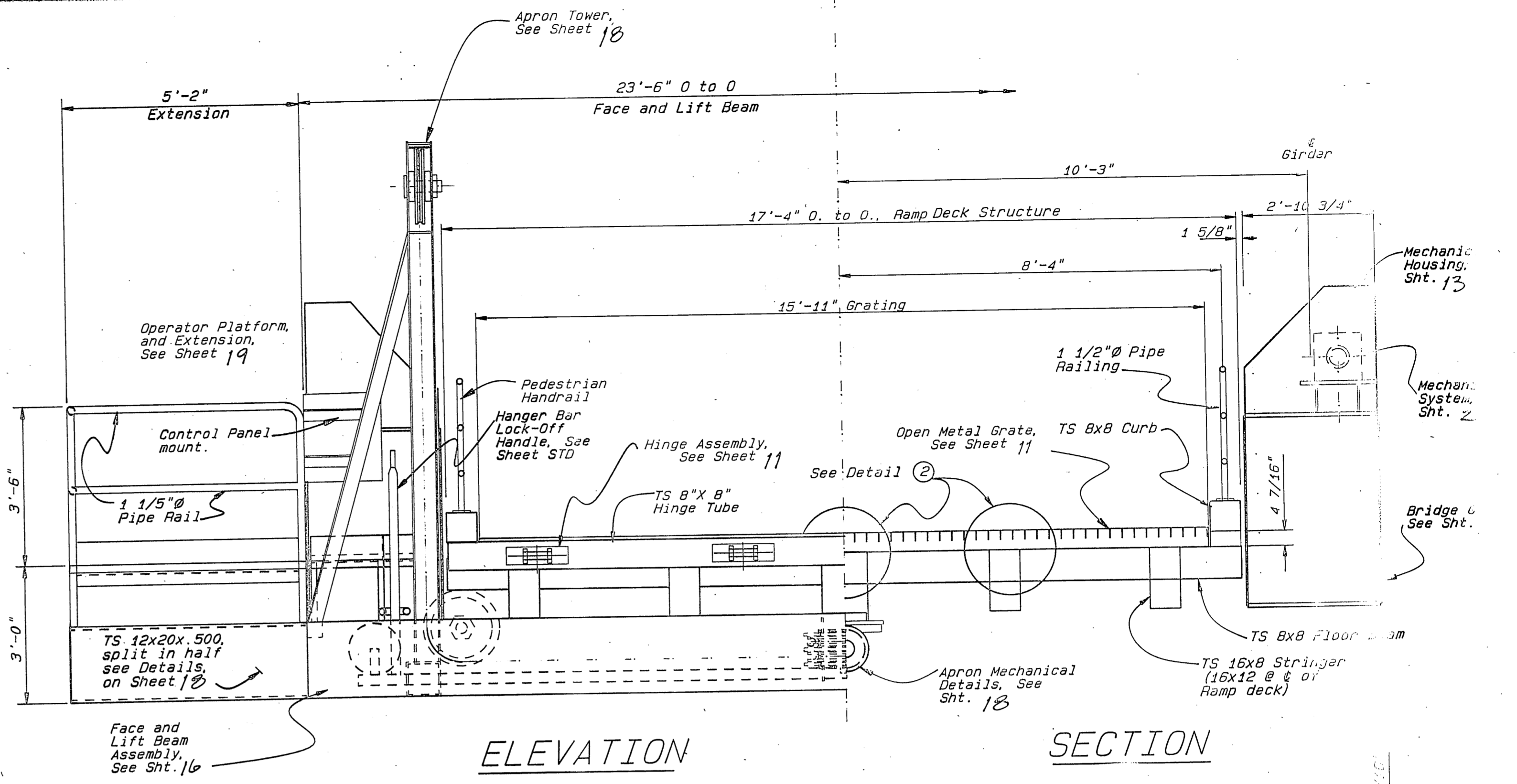
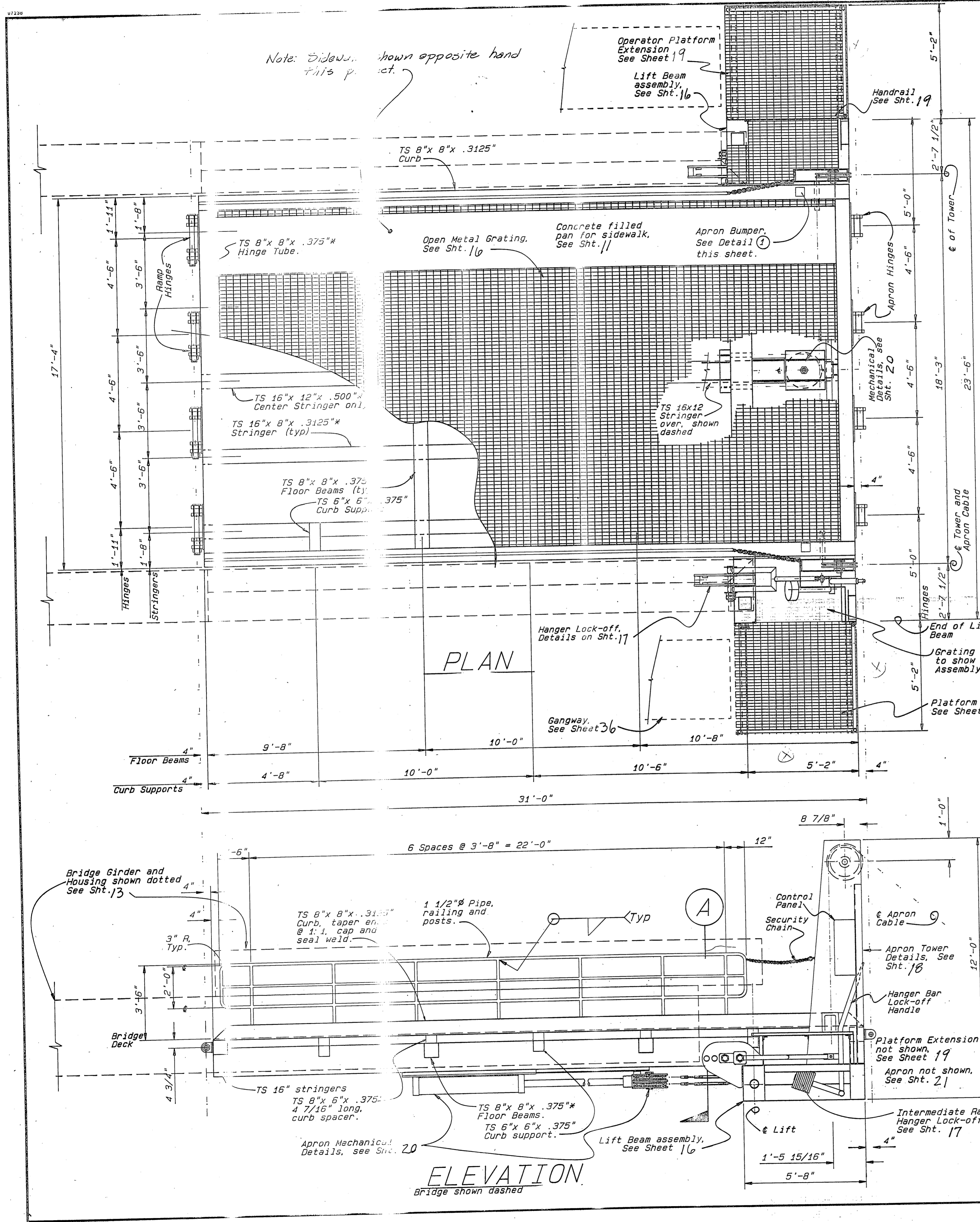
Design and Dimensions based on components listed. Contractor shall adjust as necessary to accommodate models used and shall provide all drawings and details required. See Section 302-2.01.

All Hydraulic lines to be stainless steel tubing w/ stainless JIC flare fittings, except long flexible loop, girder to control, ramp to girder, and ramp to control.

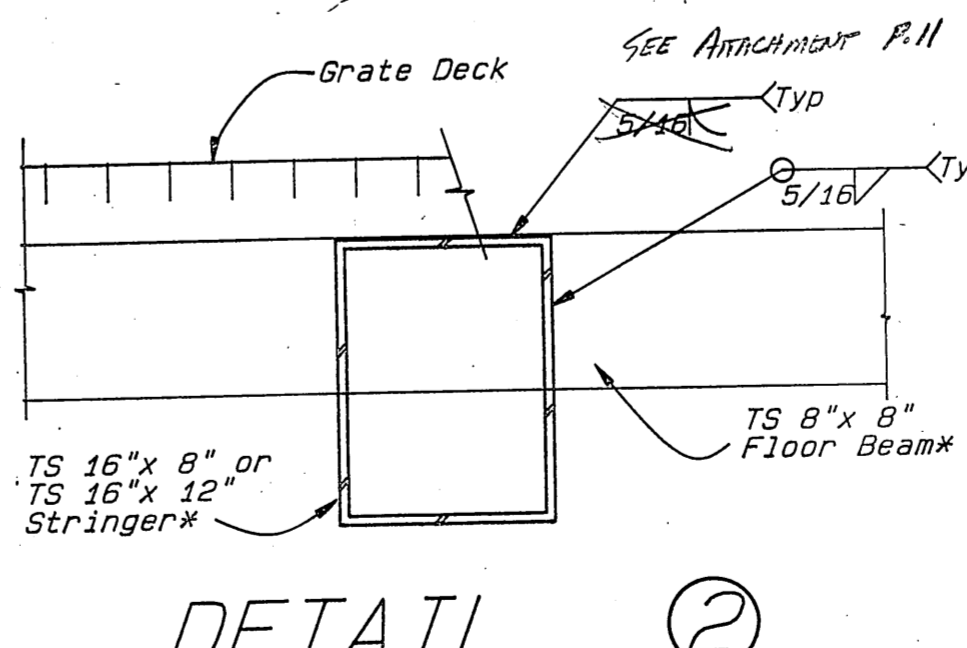
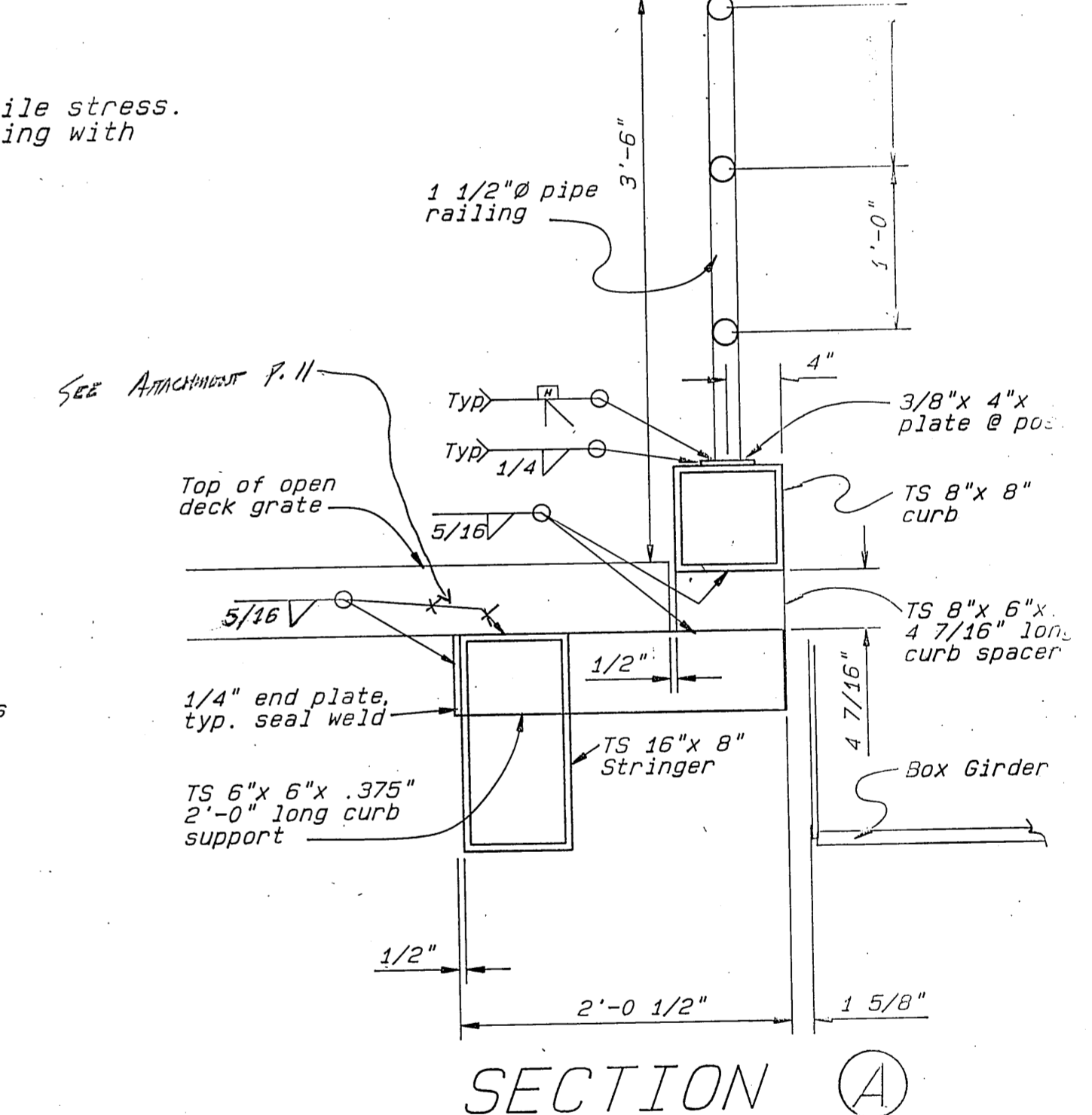
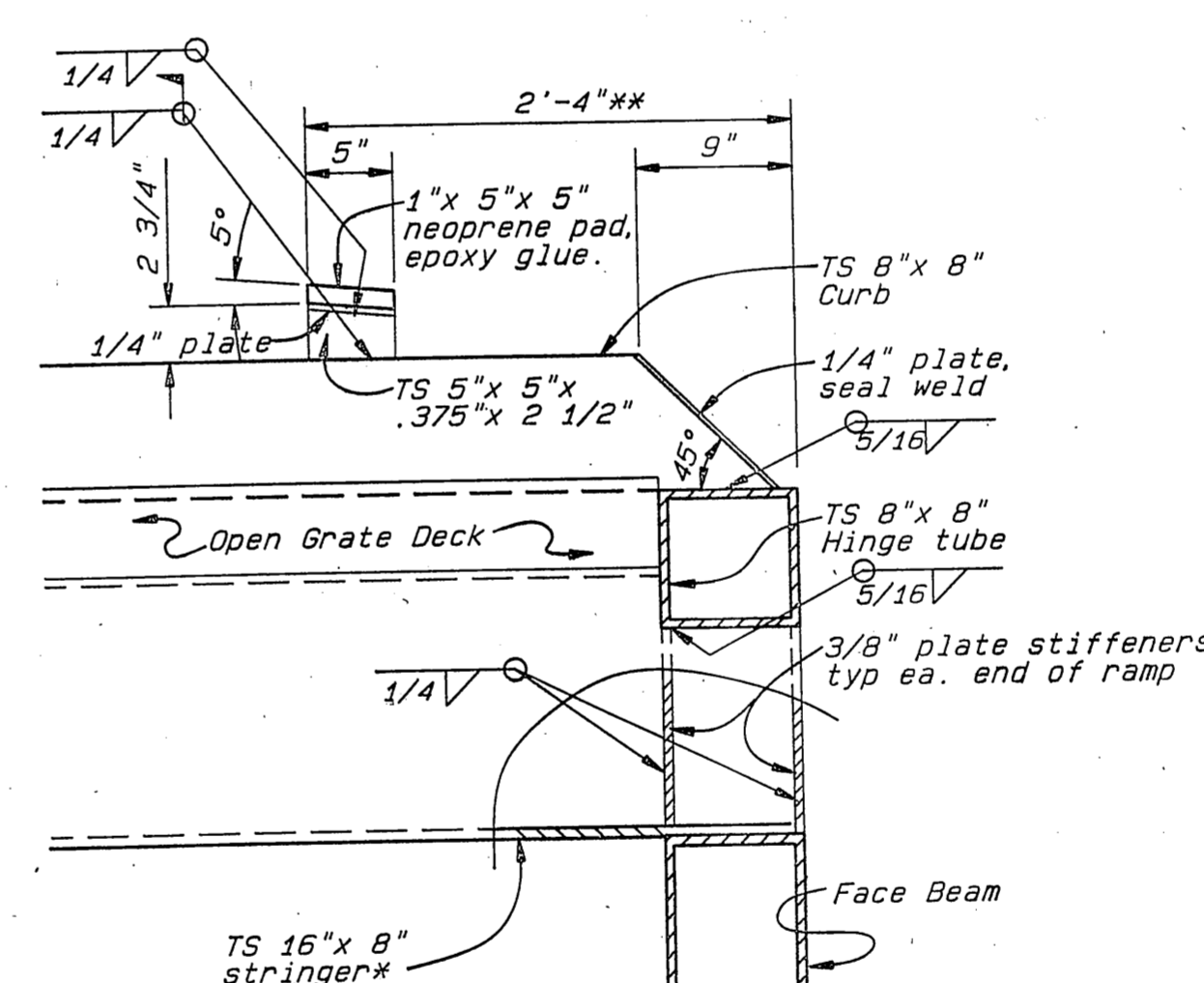


STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
SITKA		AL.	
INTERMEDIATE RAMP MECHANICAL DETAILS			
DESIGNED JS	CHECKED JL	DRAWN Geol	DATE 7/1
PROJECT NUMBER RS-M-0935(9)	SHEET 14		OF 41

9-15-87



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

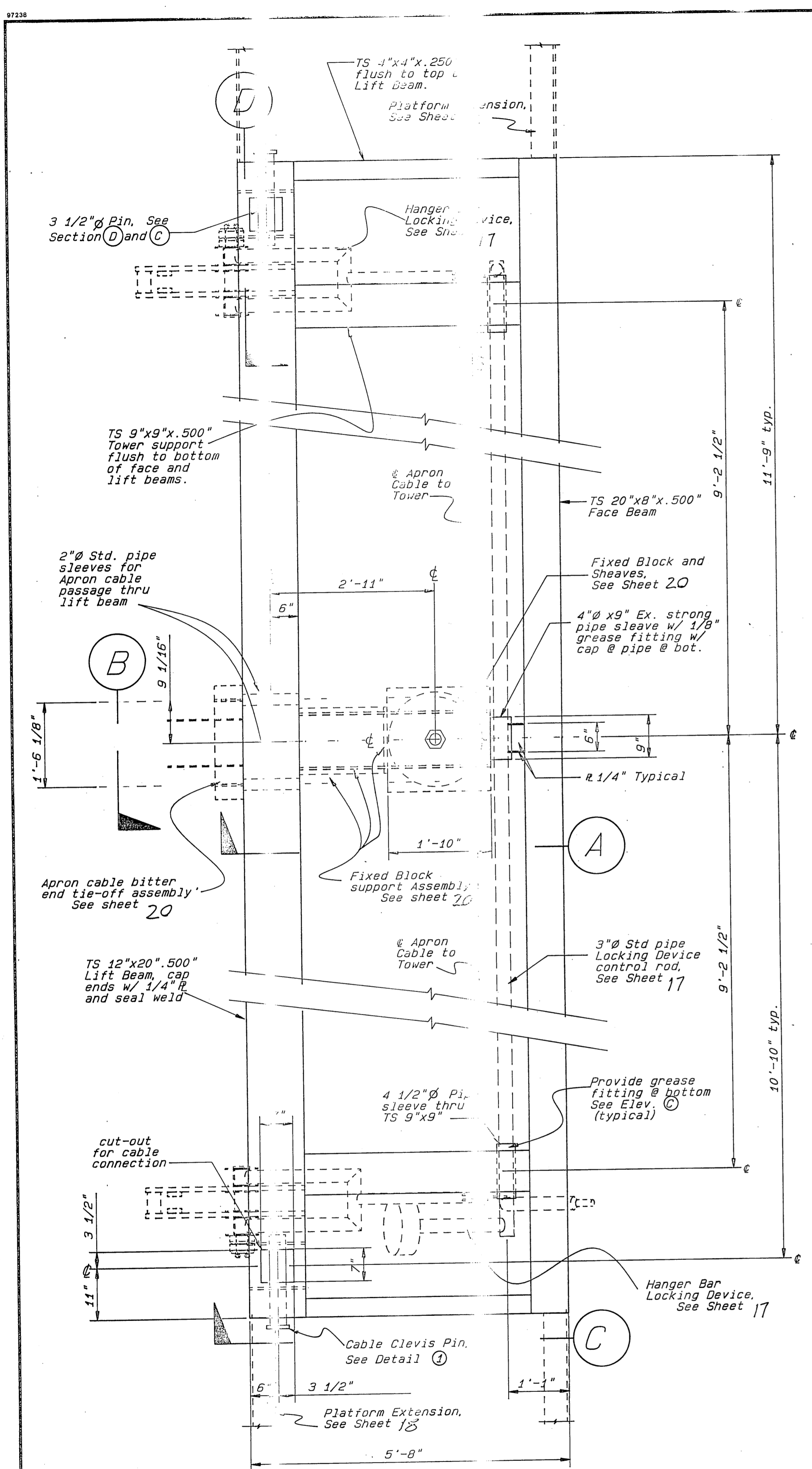


AS BUILT

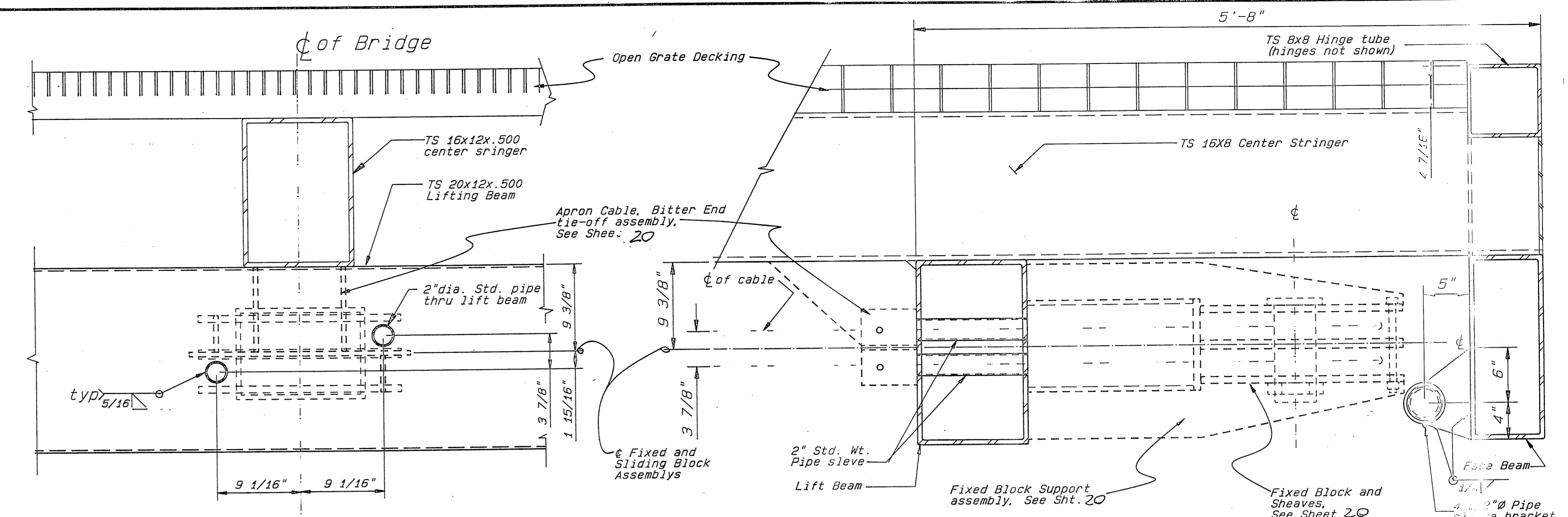
NAME & DATE

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA			
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
SITKA		ALAS.	
INTERMEDIATE RAMP FRAMING DETAILS			
DESIGNED JL	CHECKED JS	DRAWN Geol	DATE 7AUG.
PROJECT NUMBER 25-M-1935 (9)		SHEET 15 OF 41	

9-15-87

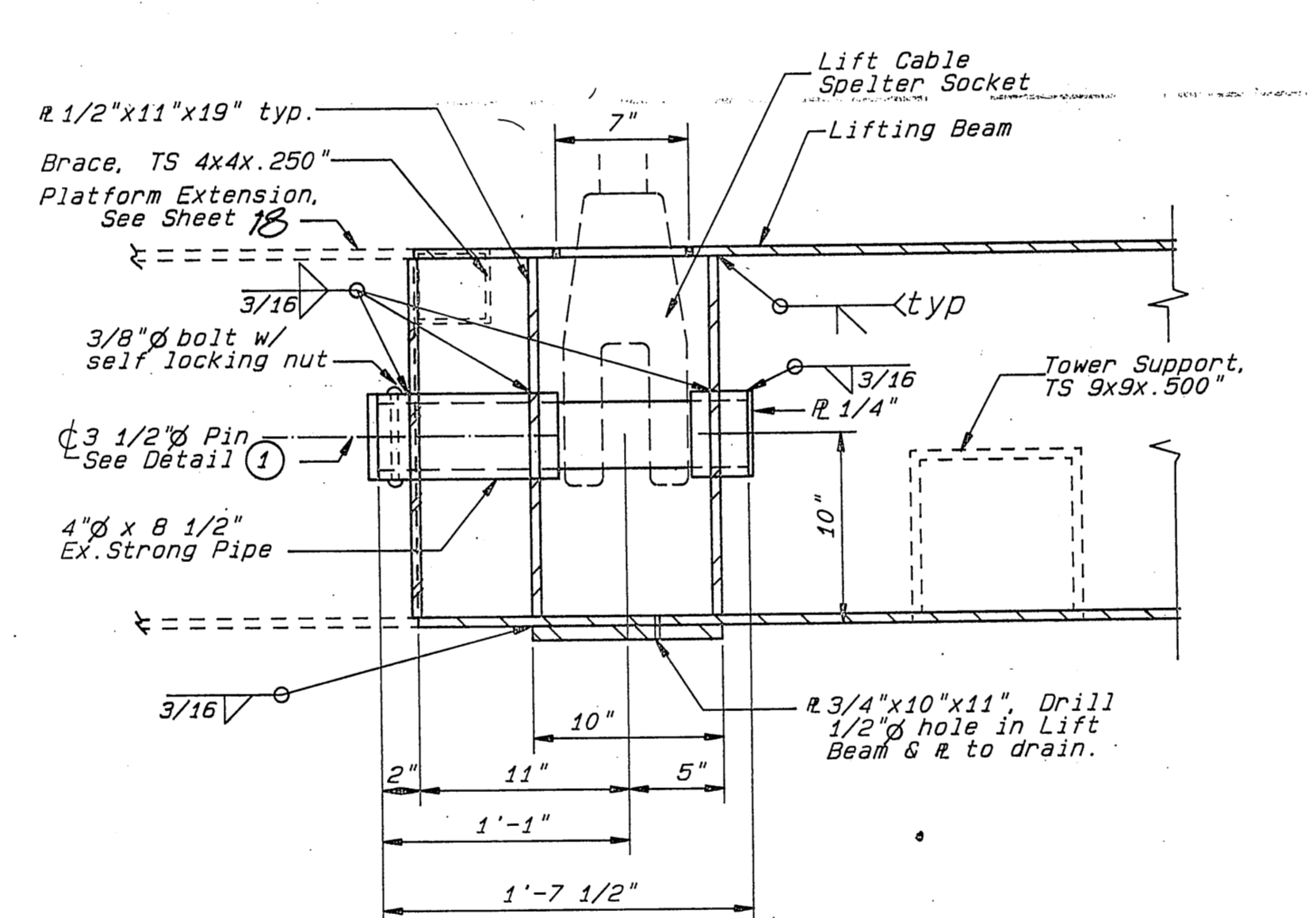


PLAN
Lift Beam Assembly
Stringers, Curb and Deck not shown

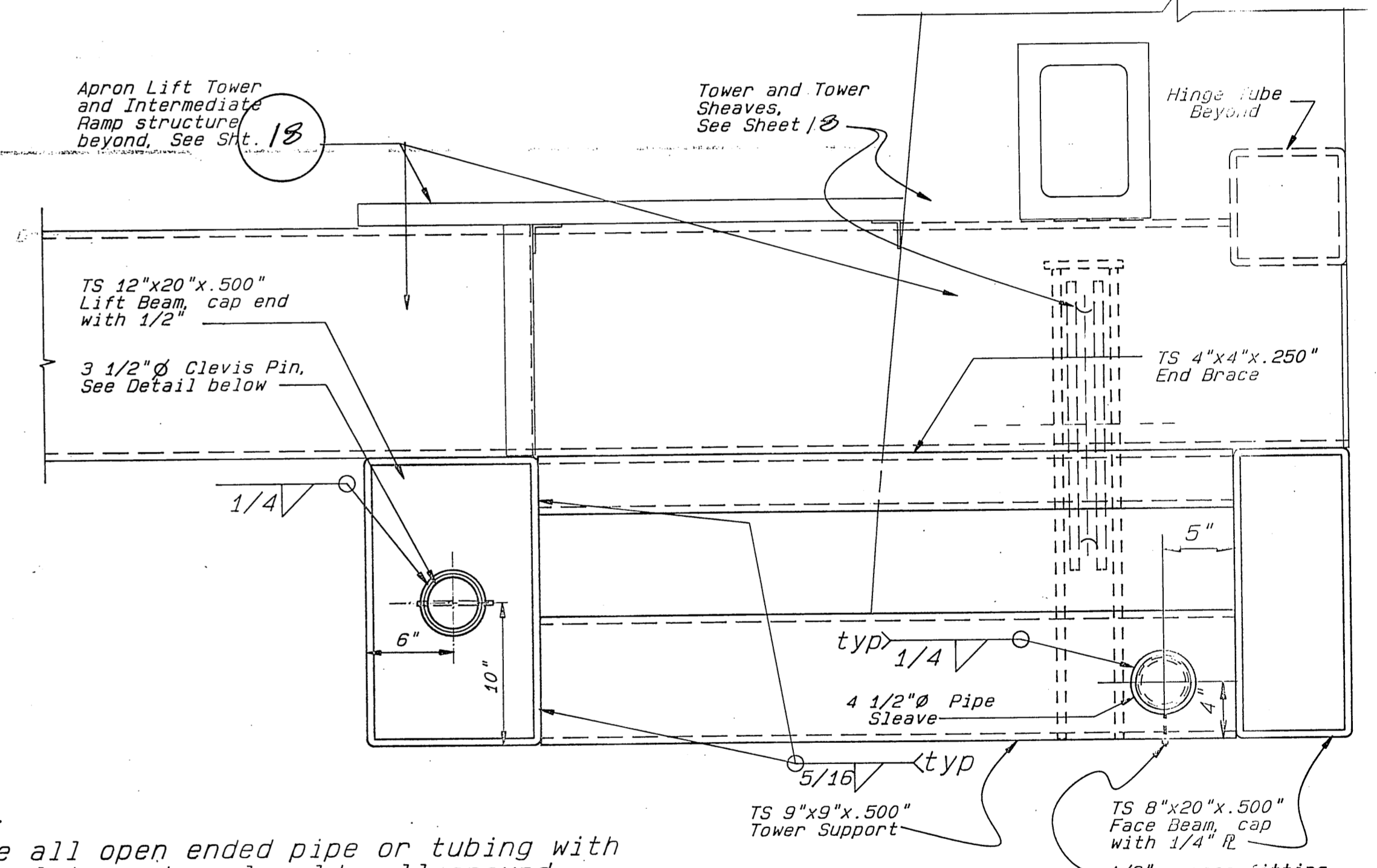


SECTION (B)

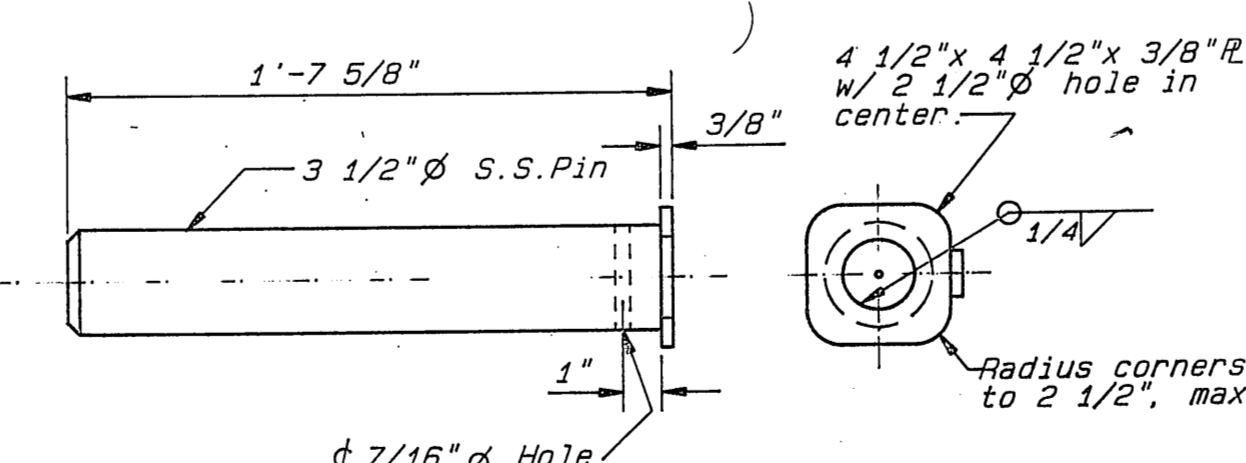
SECTION (A)



SECTION (D)



ELEVATION (C)



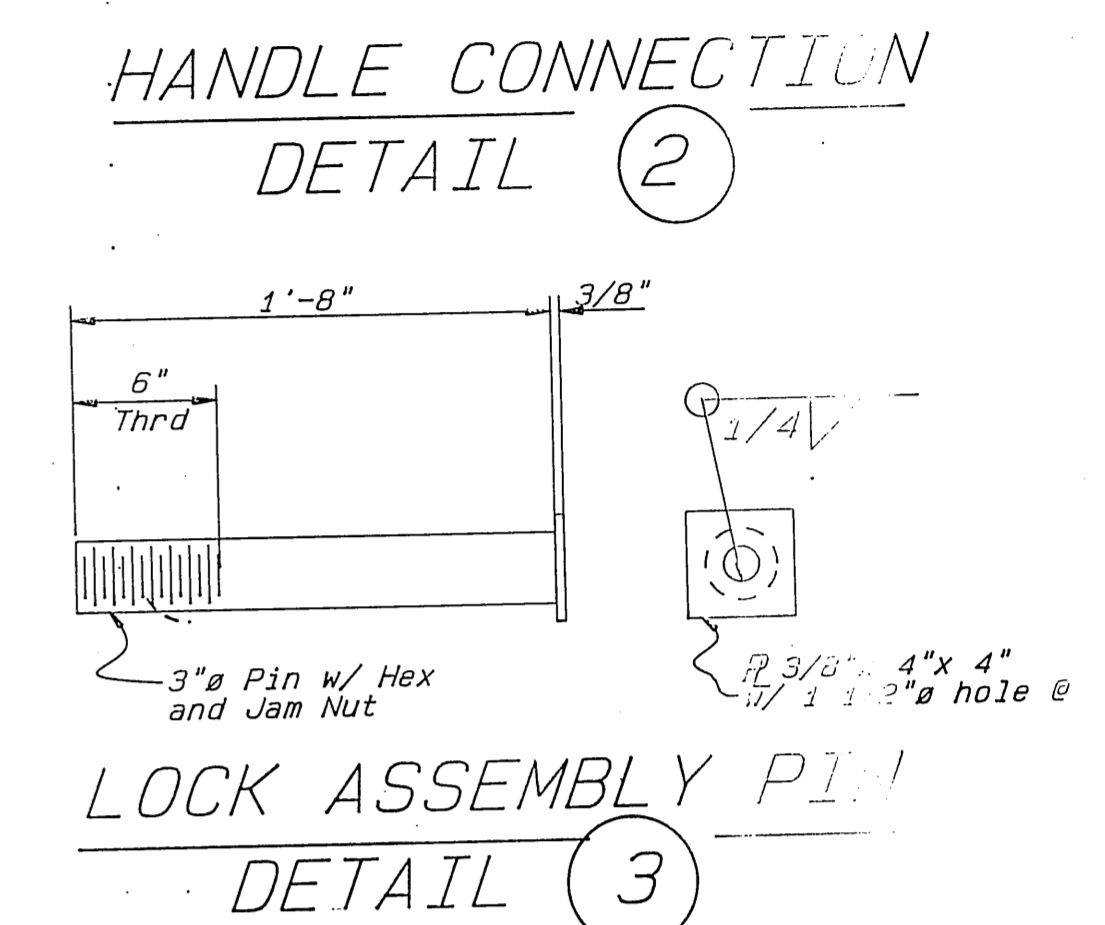
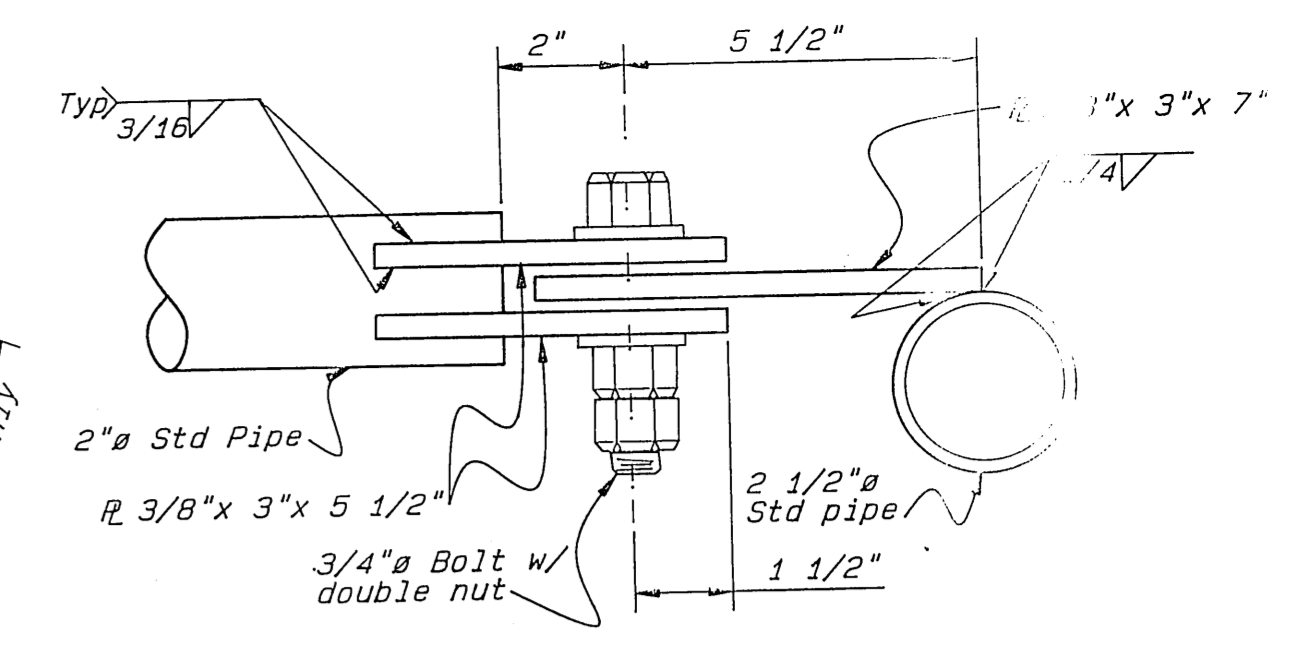
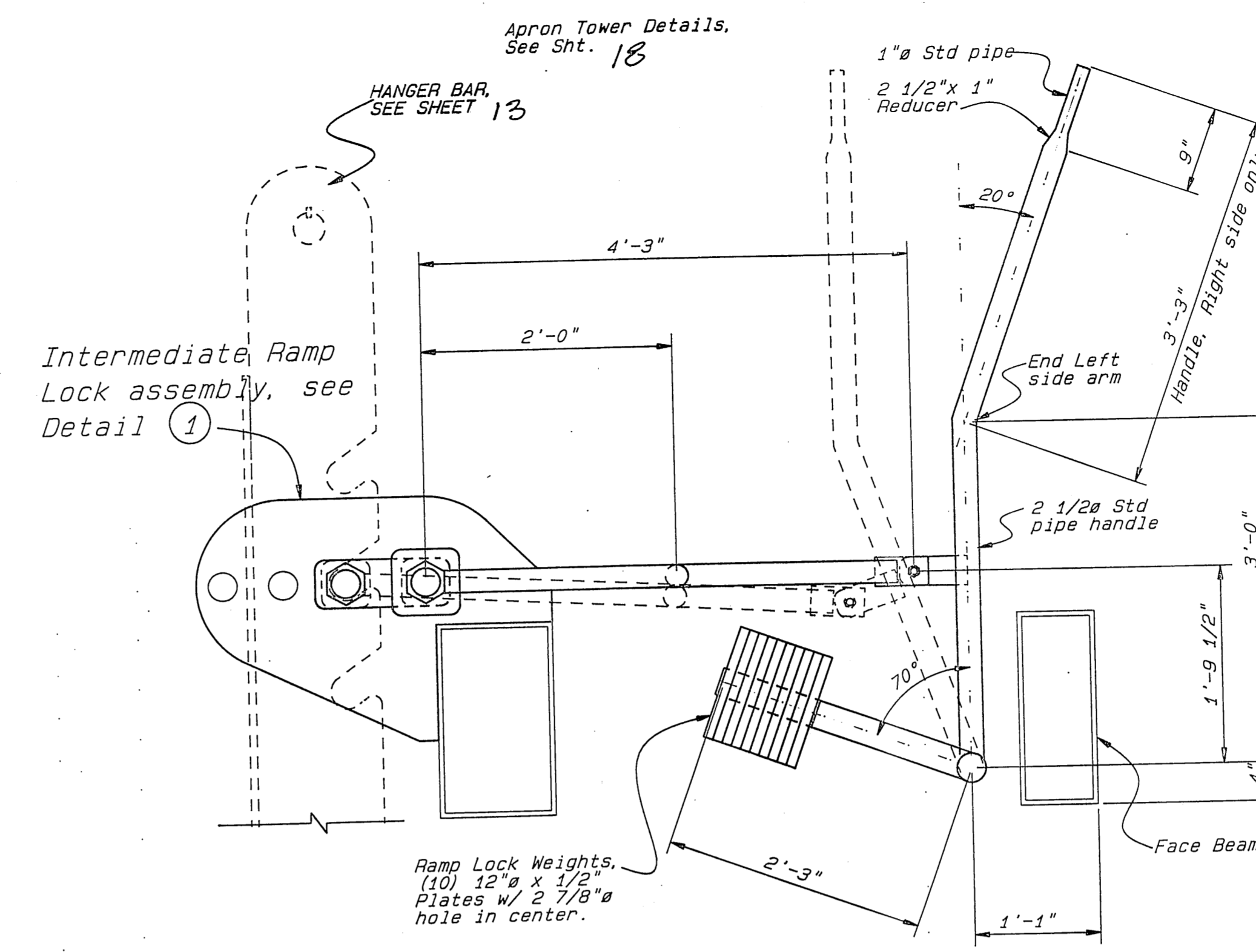
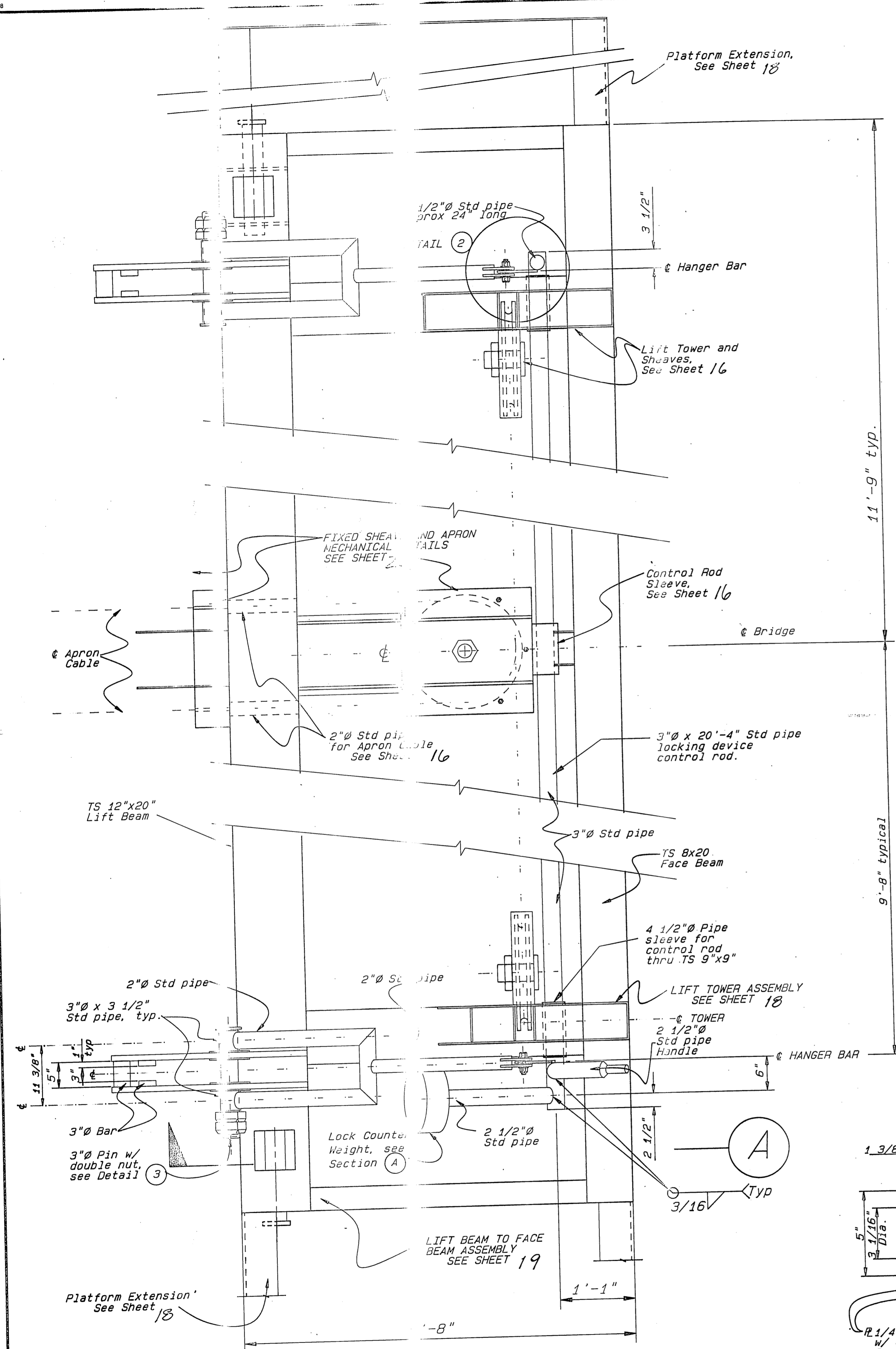
DETAIL (1)
Cable Clevis Pin

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

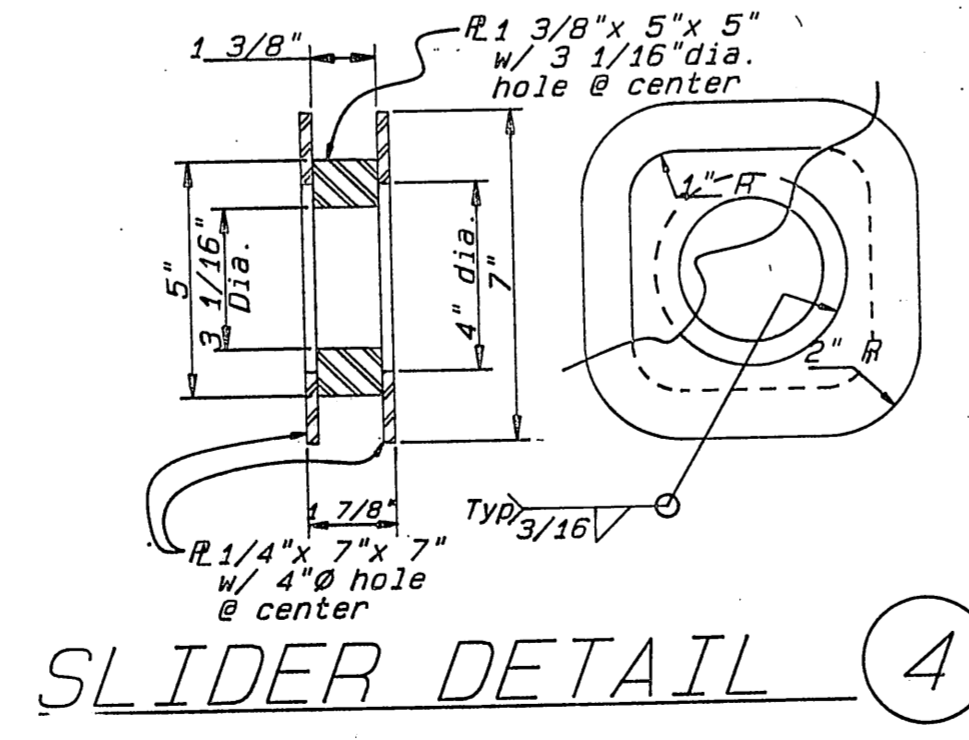
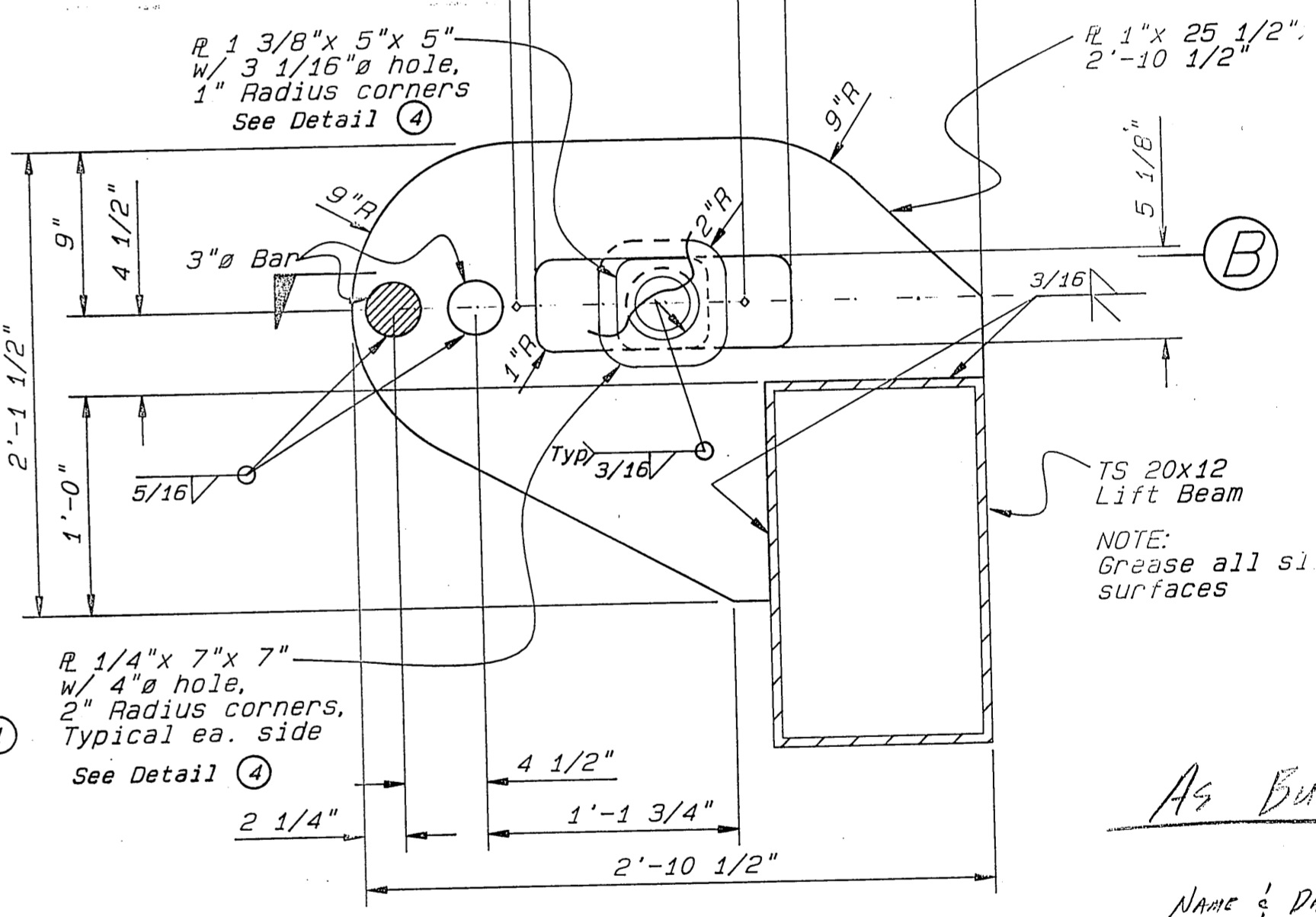
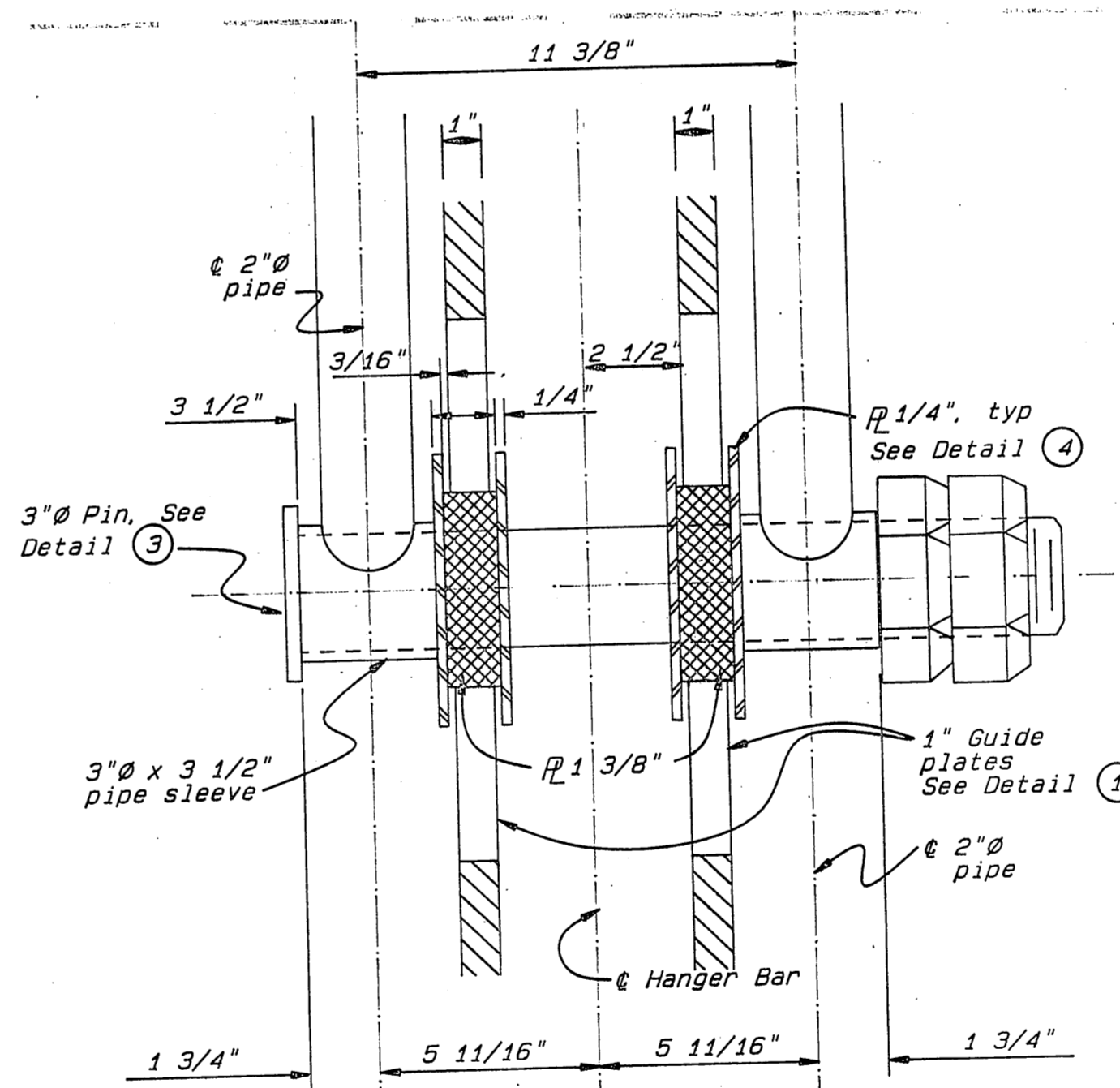
As Built

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
SITKA		AL.	
INTERMEDIATE RAMP LIFTING BEAM ASSEMBLY			
DESIGNED <i>JS</i>	CHECKED <i>JL</i>	DRAWN <i>Geoal</i>	DATE <i>7AUG</i>
PROJECT NUMBER <i>RS-M-0935 (9)</i>		SHEET <i>16</i> OF <i>41</i>	

9-15-87

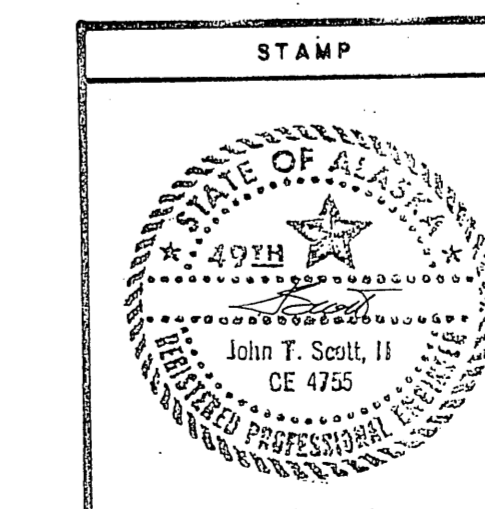


SECTION (A)



LOCK ASSEMBLY SLIDE SECTION (B)

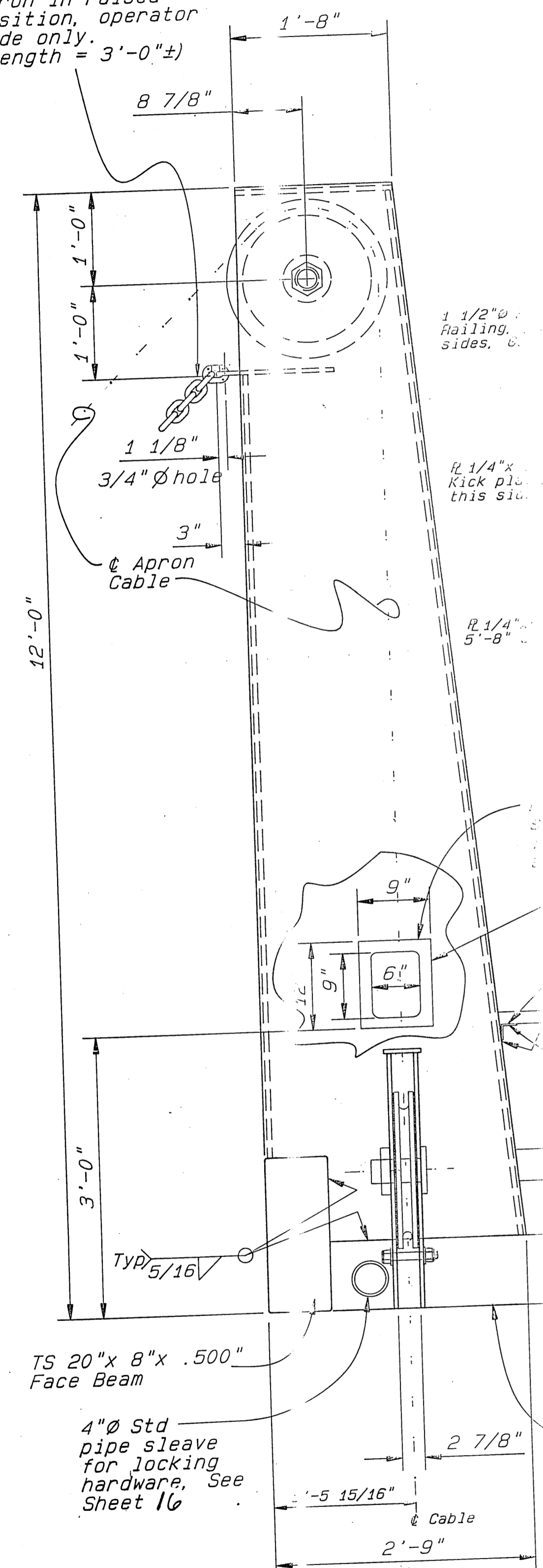
- NOTE:**
1. Close all open ended pipe or tubing with 1/4" R and seal weld.
 2. Adjust Lock Weights at assembly to cause pin to lock automatically. No. of plates as required for adjustment.



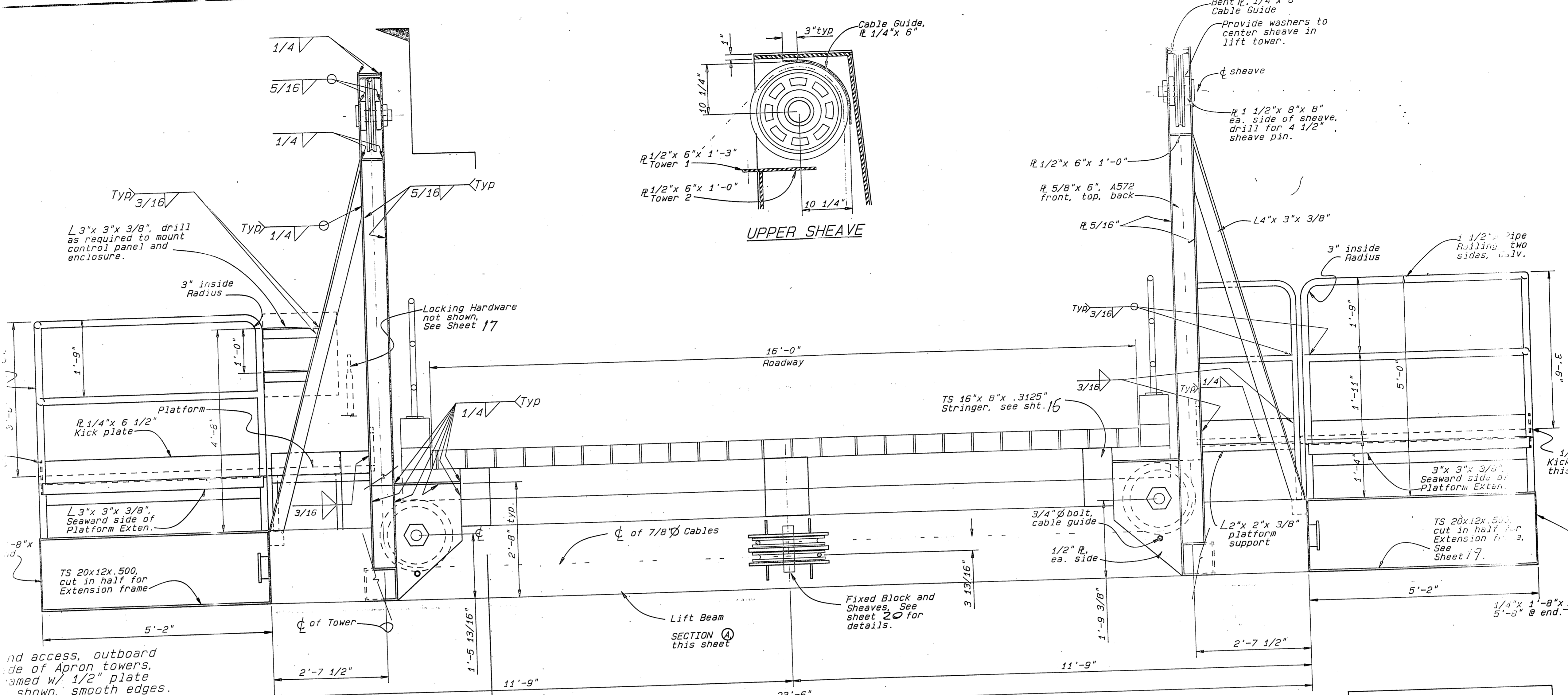
DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
ZITEA			
INTERMEDIATE RAMP LIFT BEAM LOCKING ASSEMBLY			
DESIGNED JS	CHECKED JL	DRAWN 6608J	DATE
PROJECT NUMBER RS-M-0935 (9)	SHEET 17		OF 41

As BUILT
Name & Date

Provide 3/8" hot galv. coil chain to secure apron in raised position, operator side only. (Length = 3'-0"±)



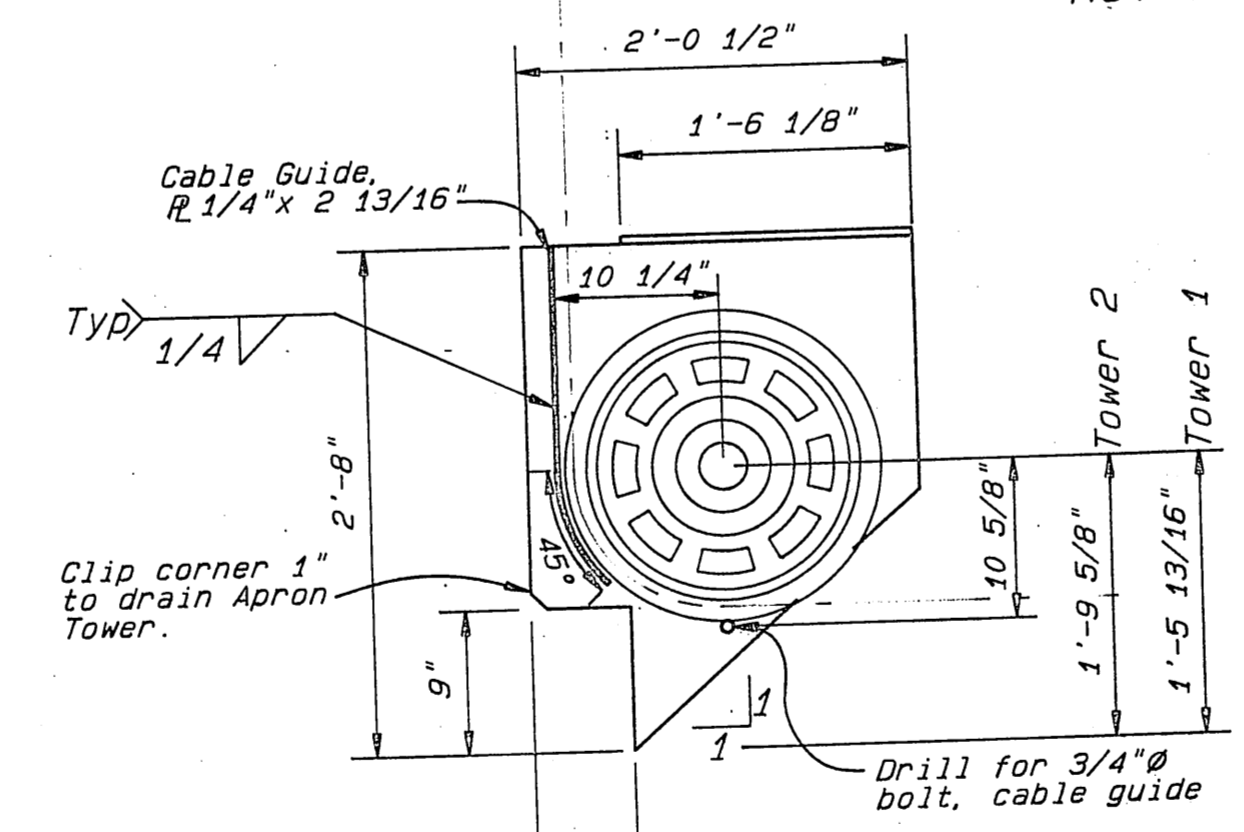
SECTION A Tower 1 shown Locking Hardware not shown



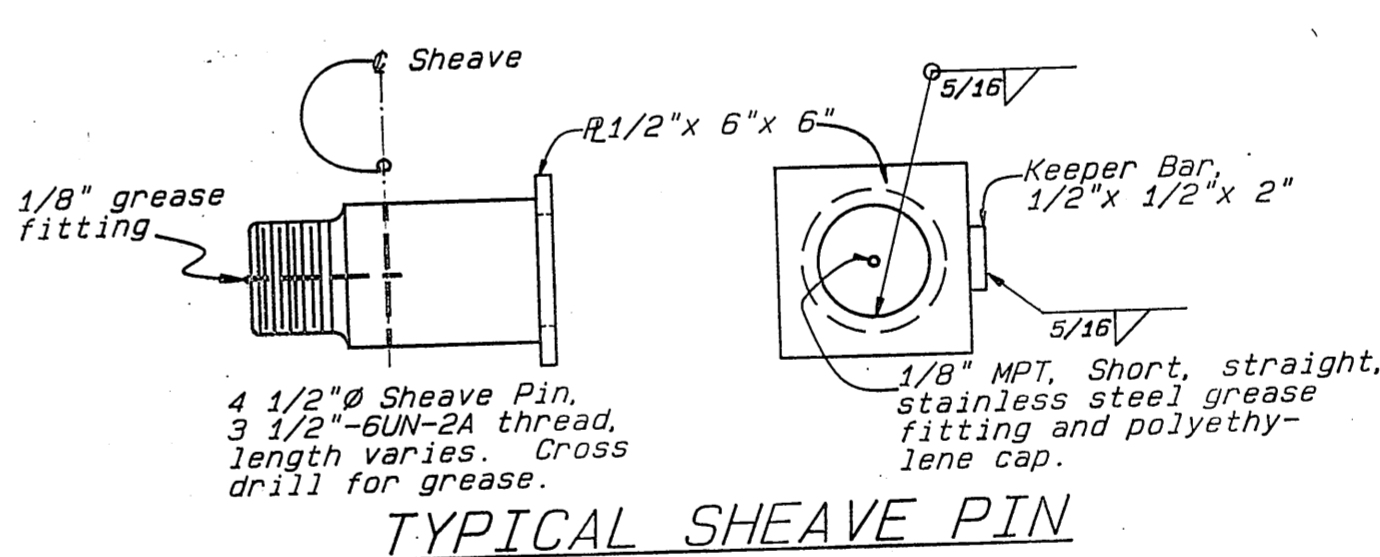
APRON TOWER ELEVATIONS (Looking Shoreward)

FACE BEAM & HINGE TUBE NOT SHOWN FOR CLARITY.

NOTE: Platform and Platform Extension Details are shown on Sheet 19



LOWER SHEAVE

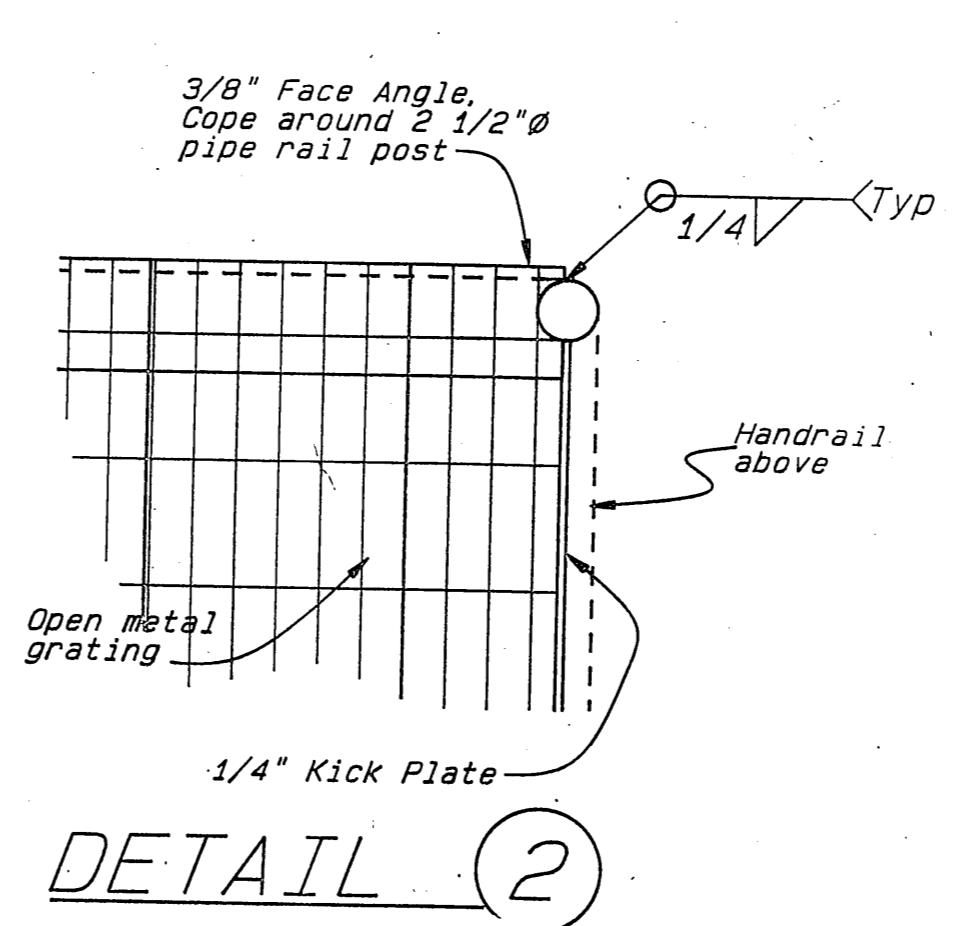
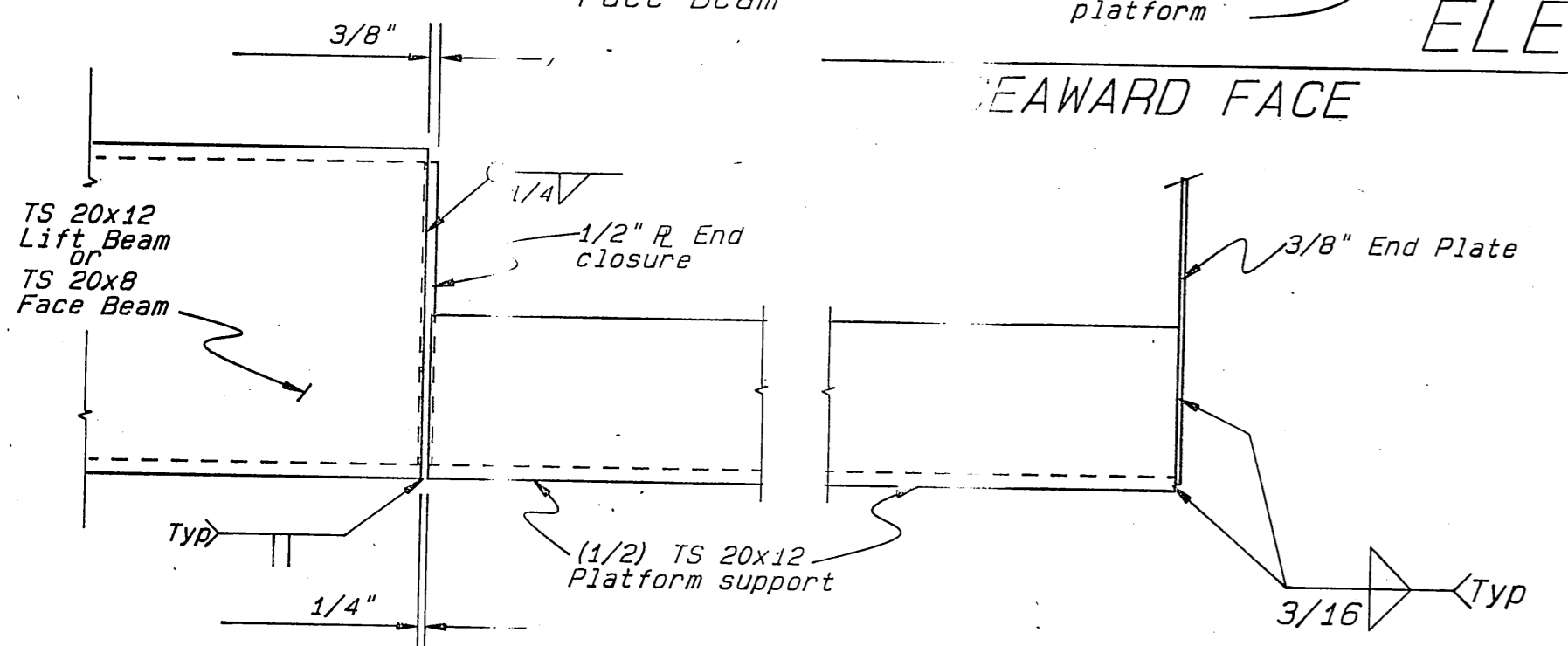
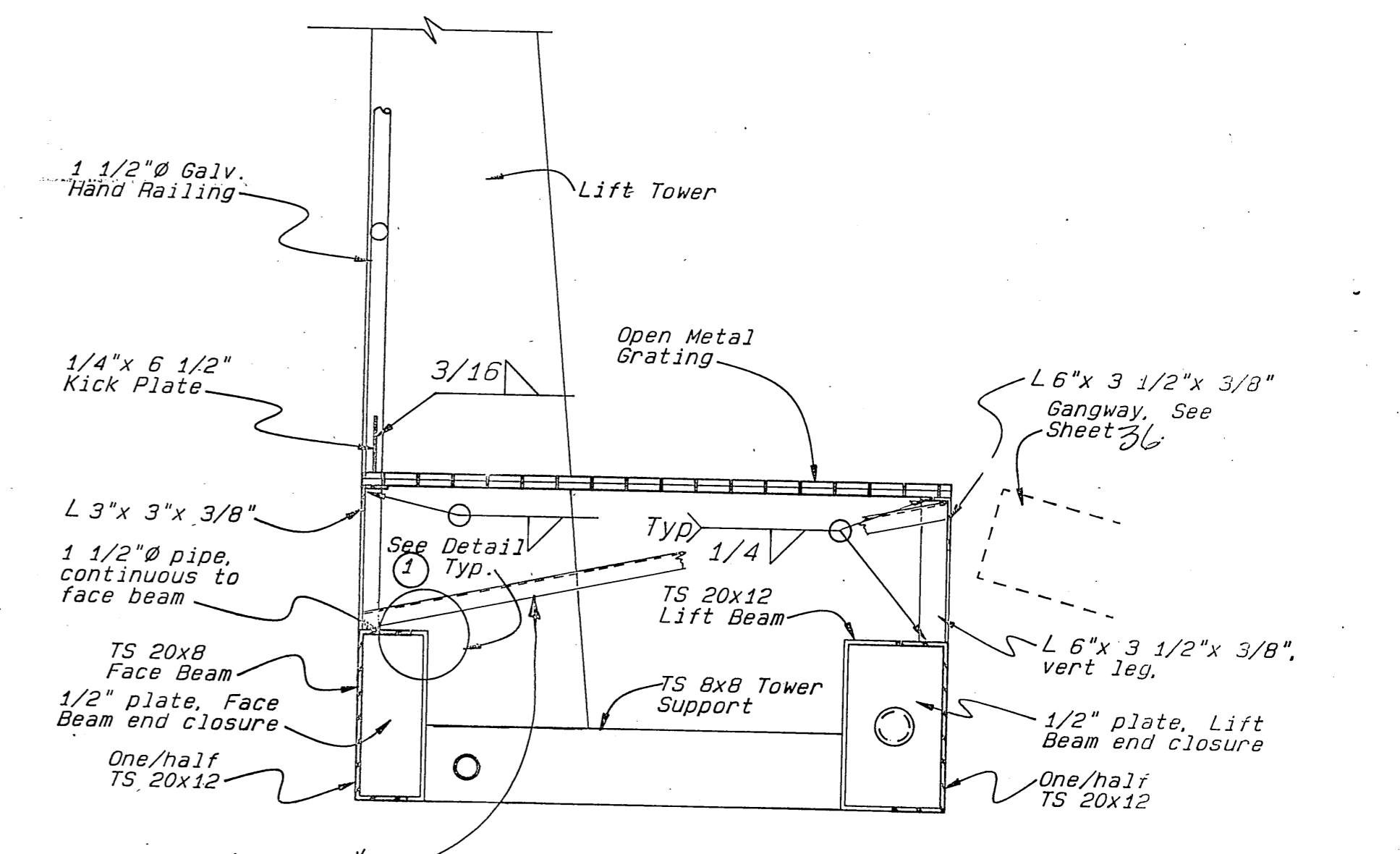
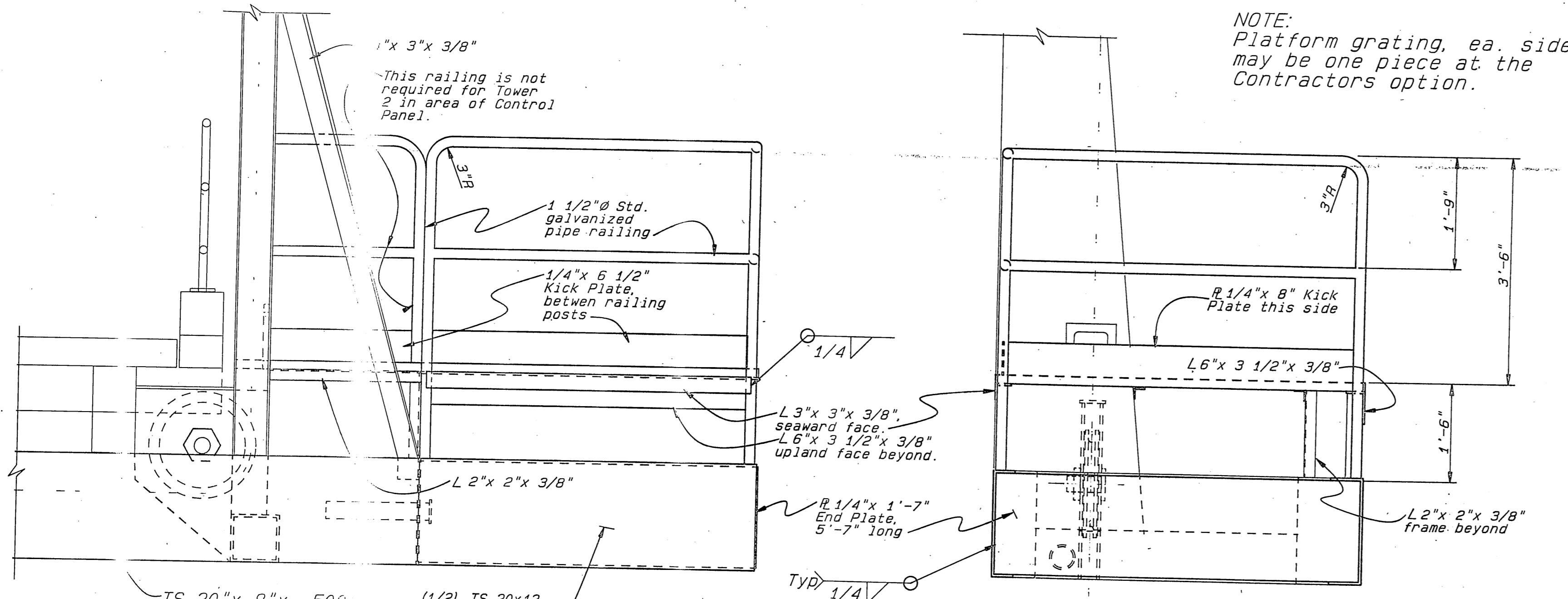
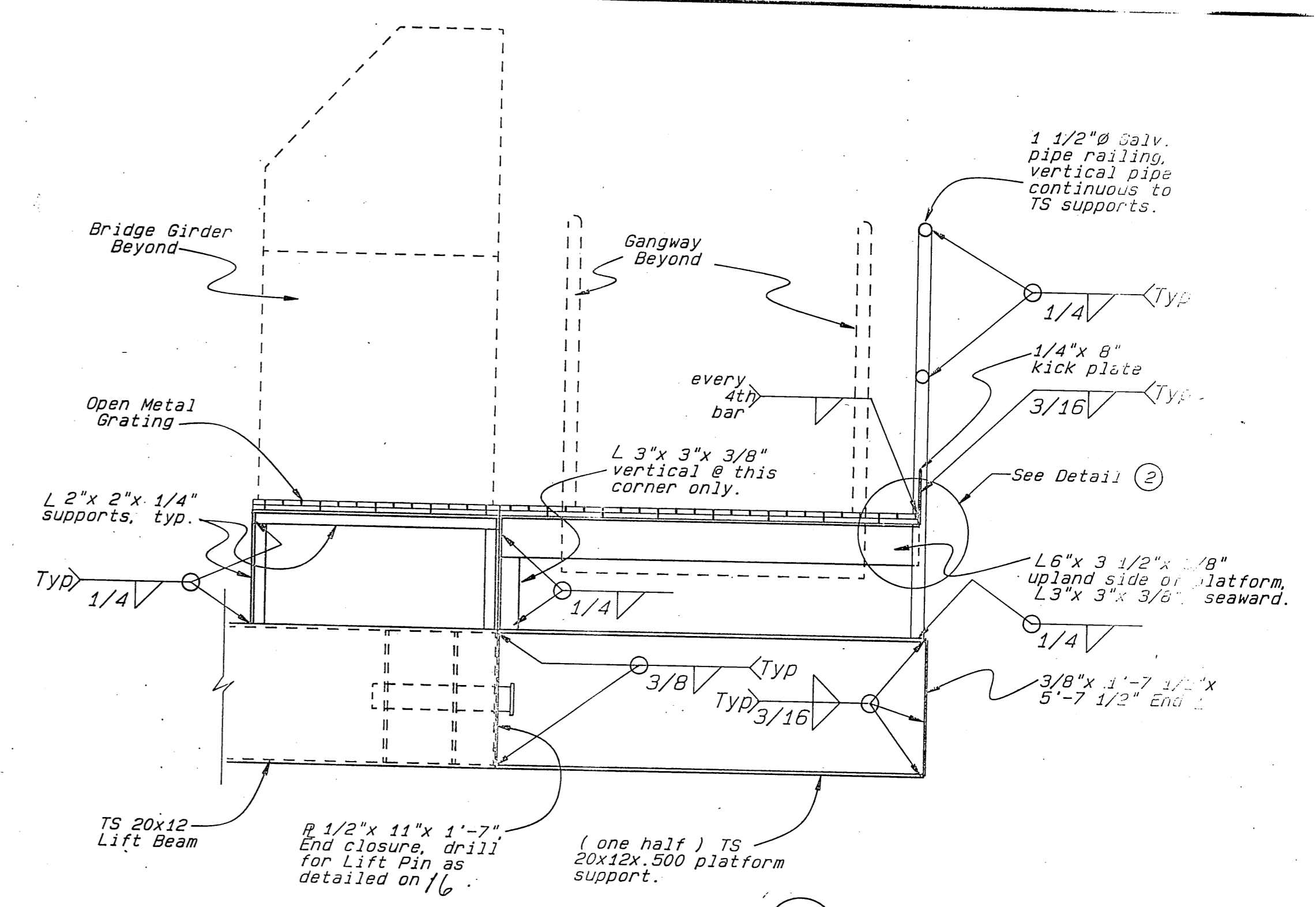
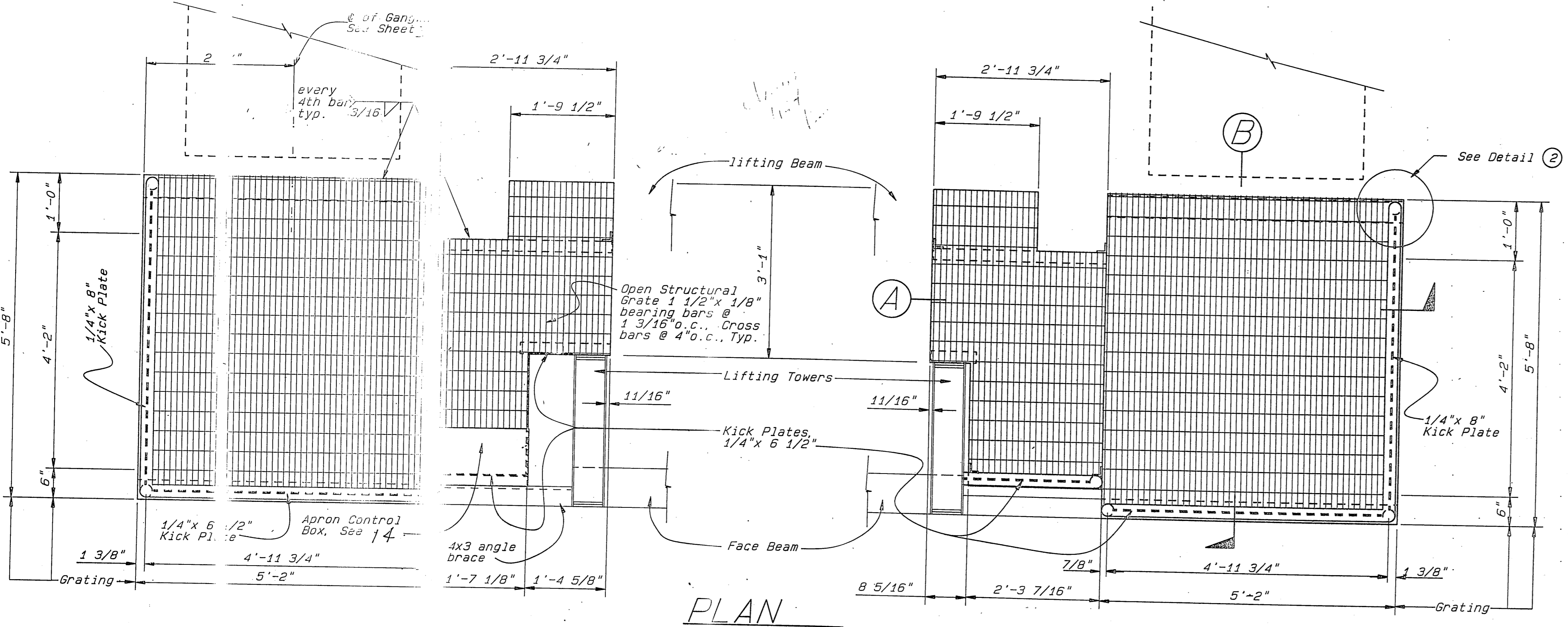


TYPICAL SHEAVE PIN

- Notes:
- All sheaves this sheet; 20" O.D. 17" Tread bronze bushed 2 3/4" Hub thk 4 1/2" Shaft
 - Cable shall be 7/8" -6x30 flattened strand, long lay, 1WRC (min. Breaking strength of 38 tons), Galv. and Grease.
 - Provide 4 1/2" sheave pins, cross drilled for grease, w/ 1/8" MPT, short straight, stainless steel grease fitting and polyethylene cap.

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
STATE OF ALASKA					
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES					
SITKA					
APRON TOWER DETAILS					
DESIGNED	JL	CHECKED	JS	DRAWN	Geoal
PROJECT NUMBER	RS-M-0935 (9)		SHEET	18	OF 41
DATE 7/81					

As Built Name & Date

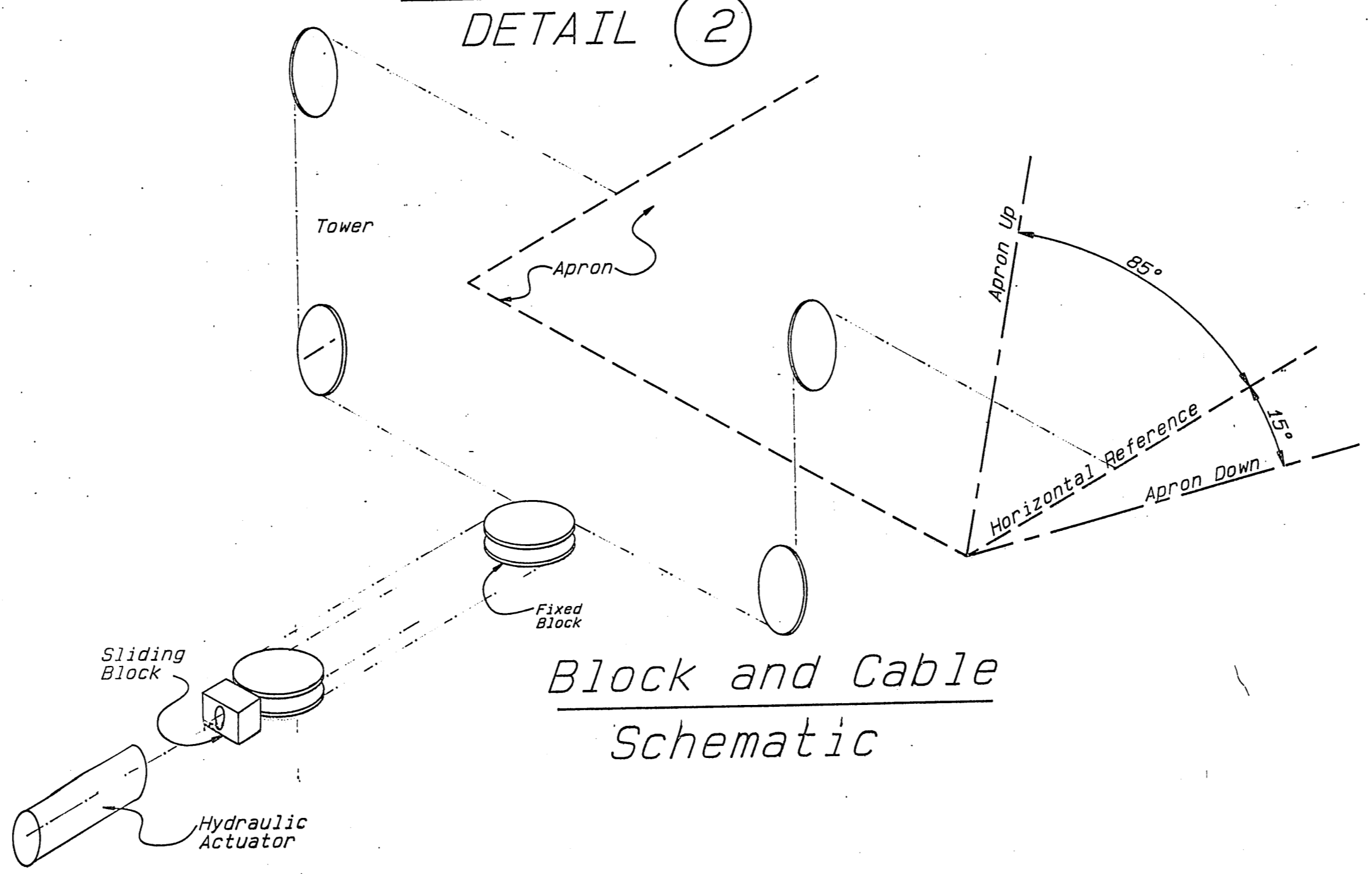
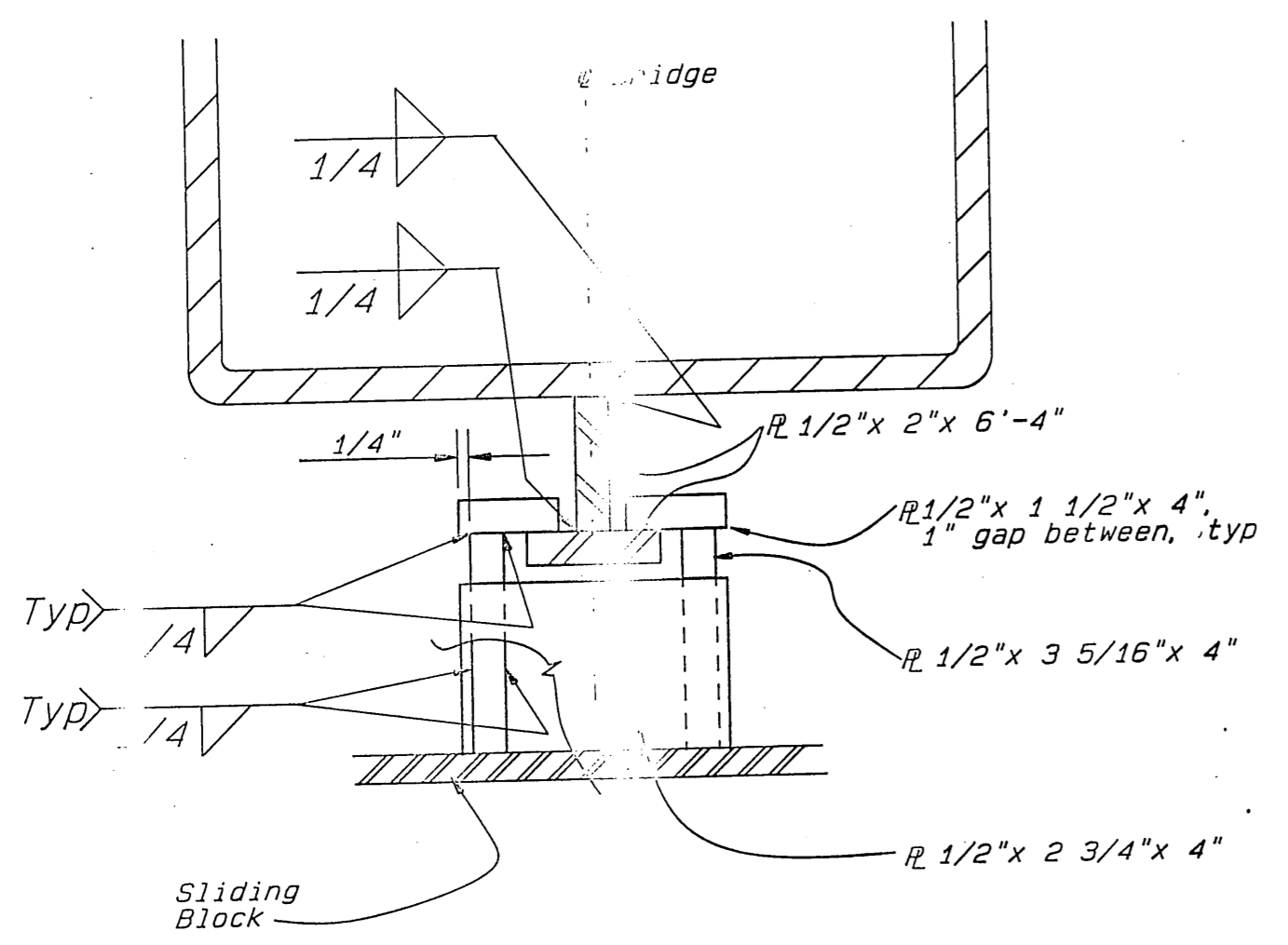
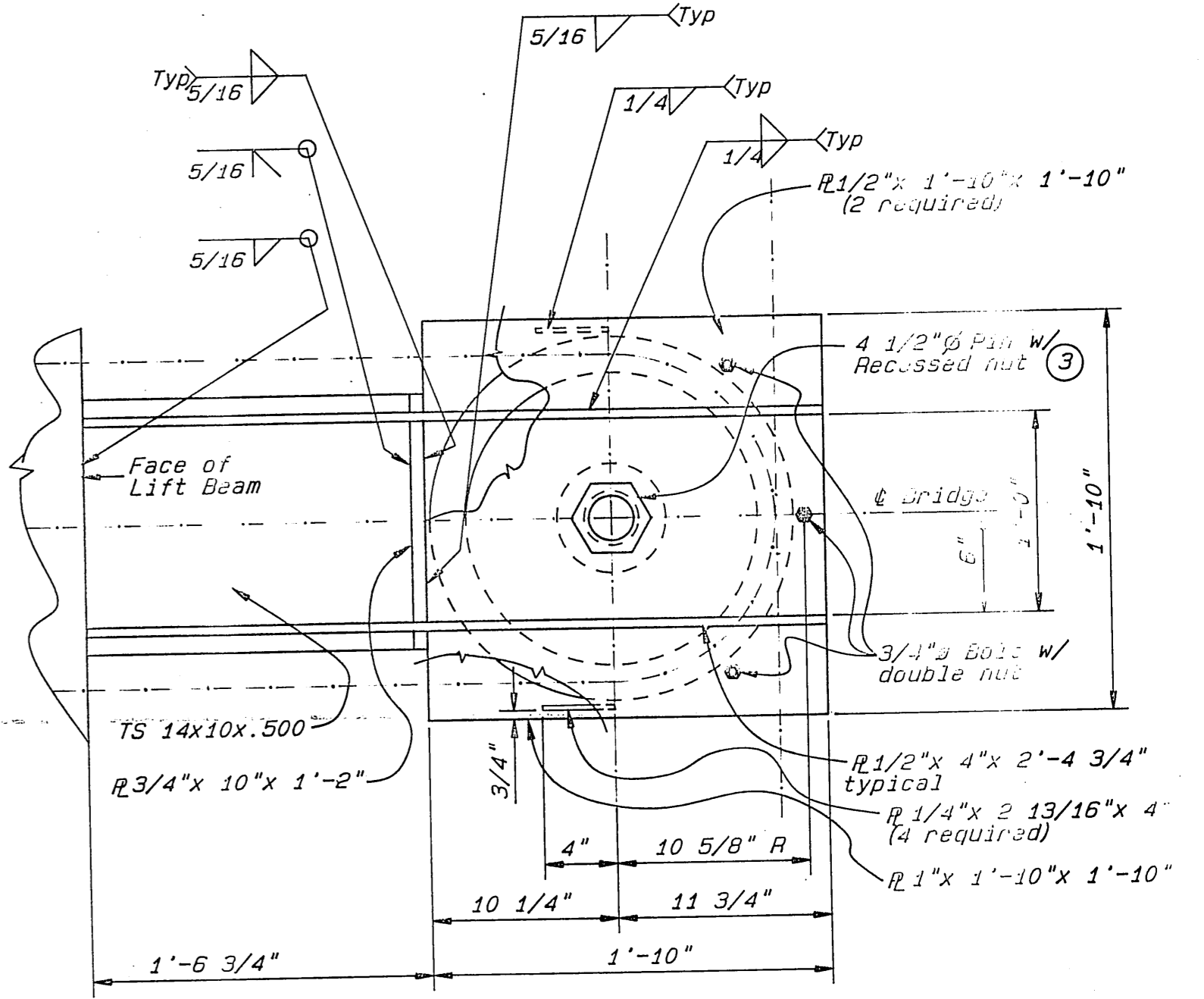
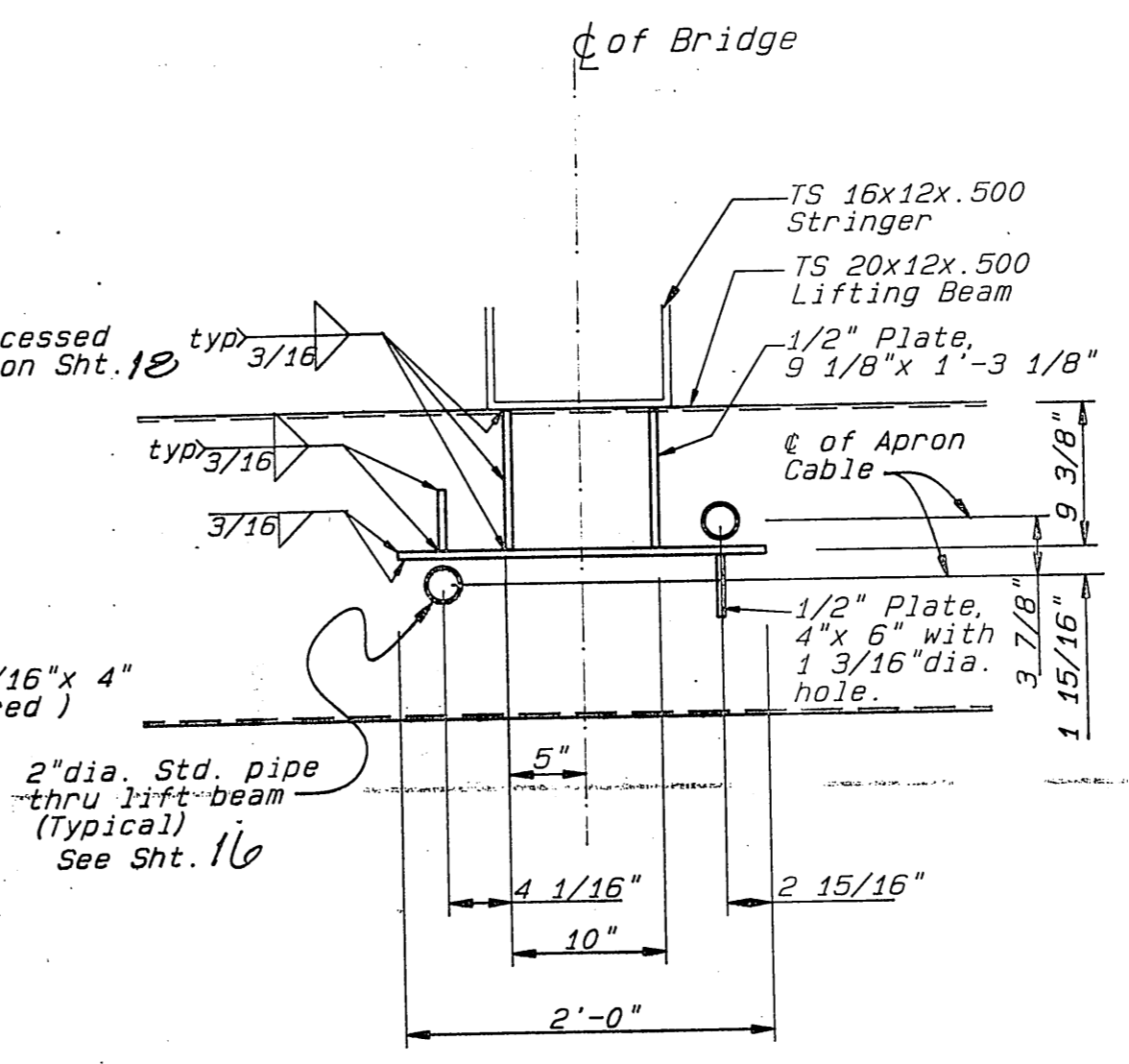
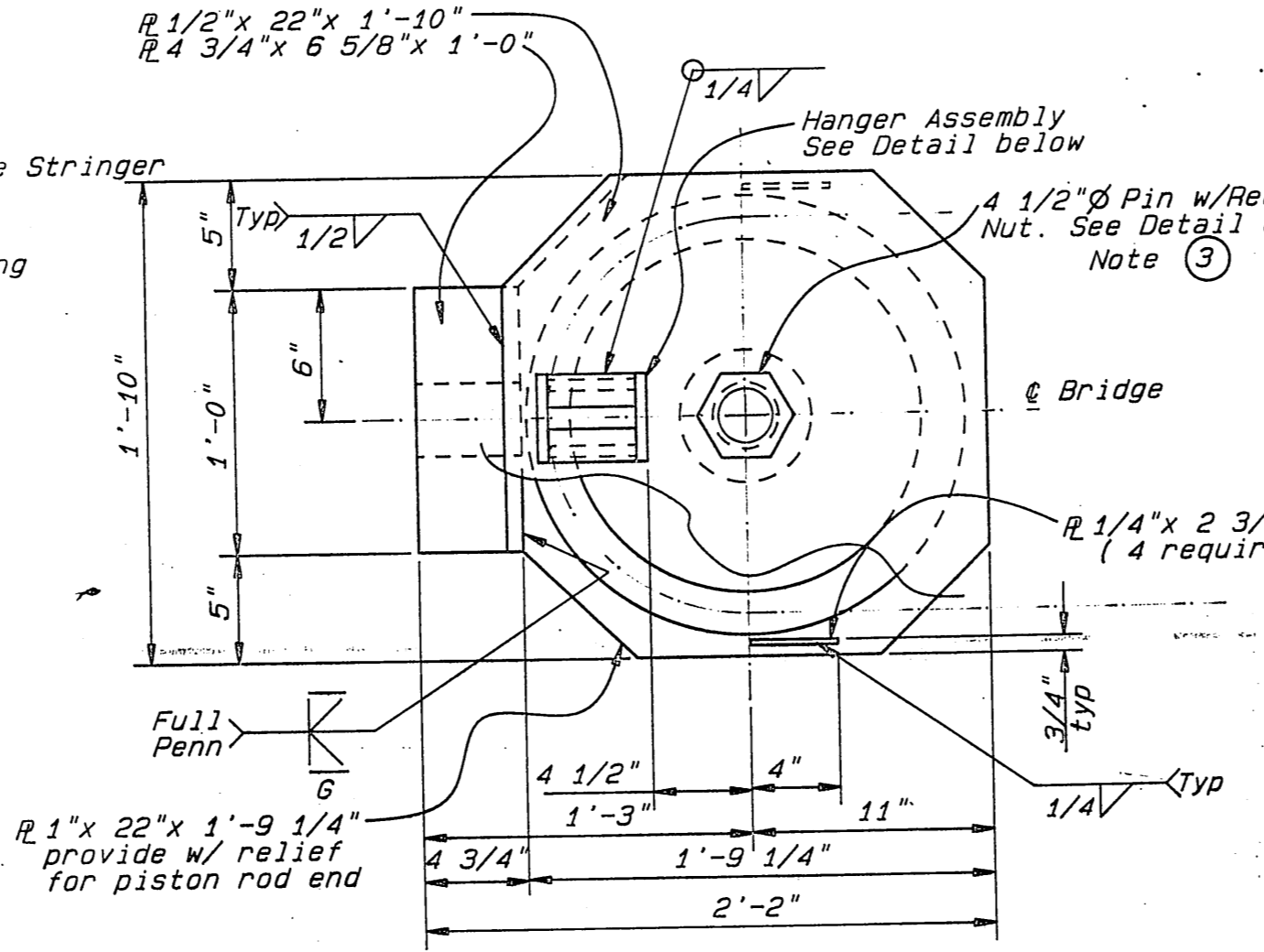
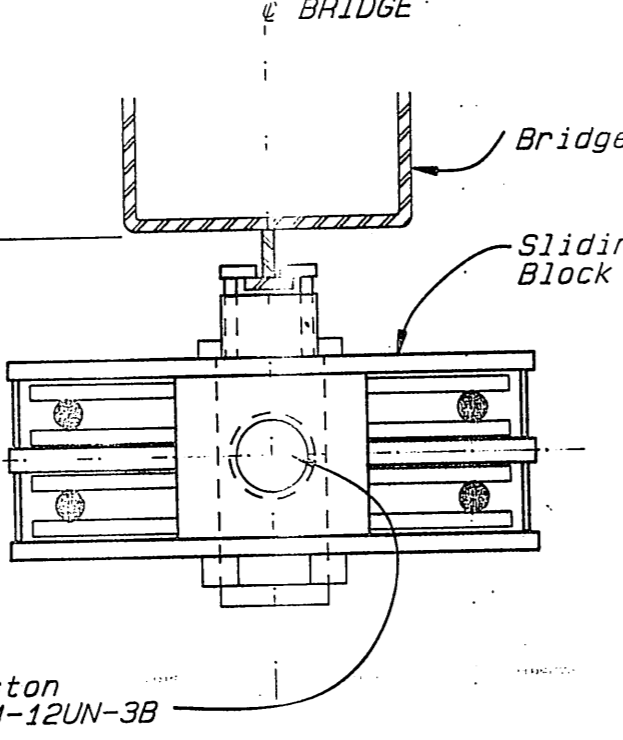
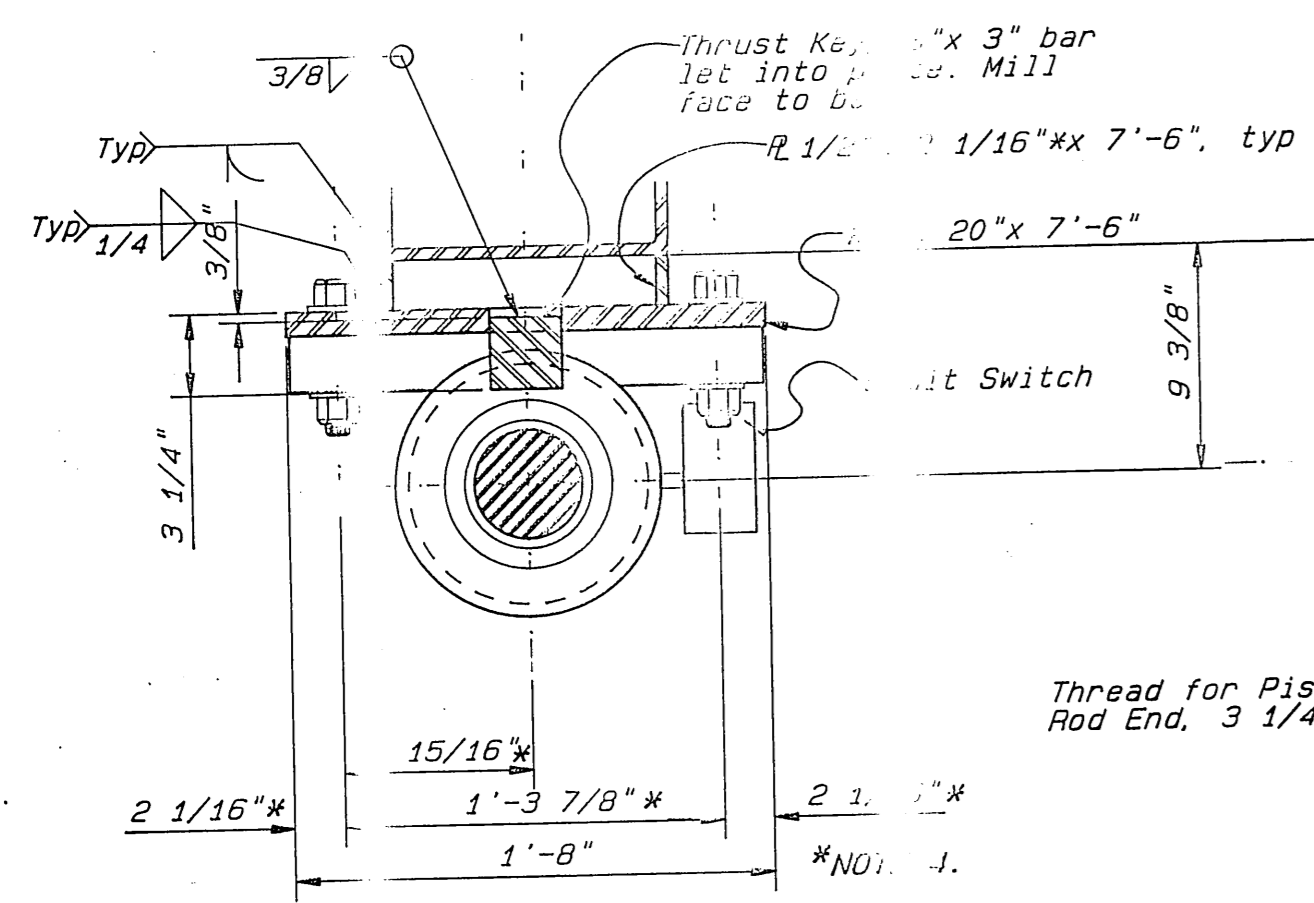
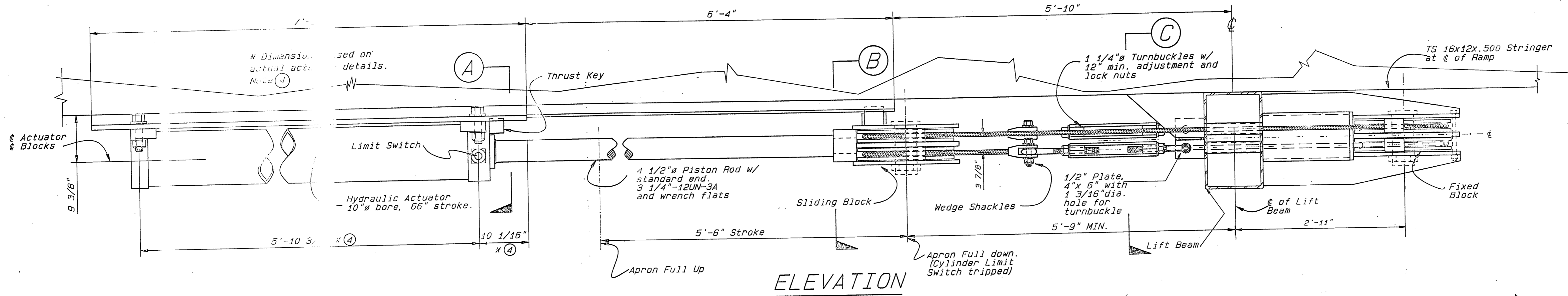


As BUILT

Stamp: STATE OF ALASKA, DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES, SITKA, ALASKA, OPERATOR PLATFORMS.

DESIGNED: [Signature], CHECKED: [Signature], DRAWN: [Signature], DATE: 1AUG87.

PROJECT NUMBER: RS-11-0935 (9), SHEET: 19 OF 41.

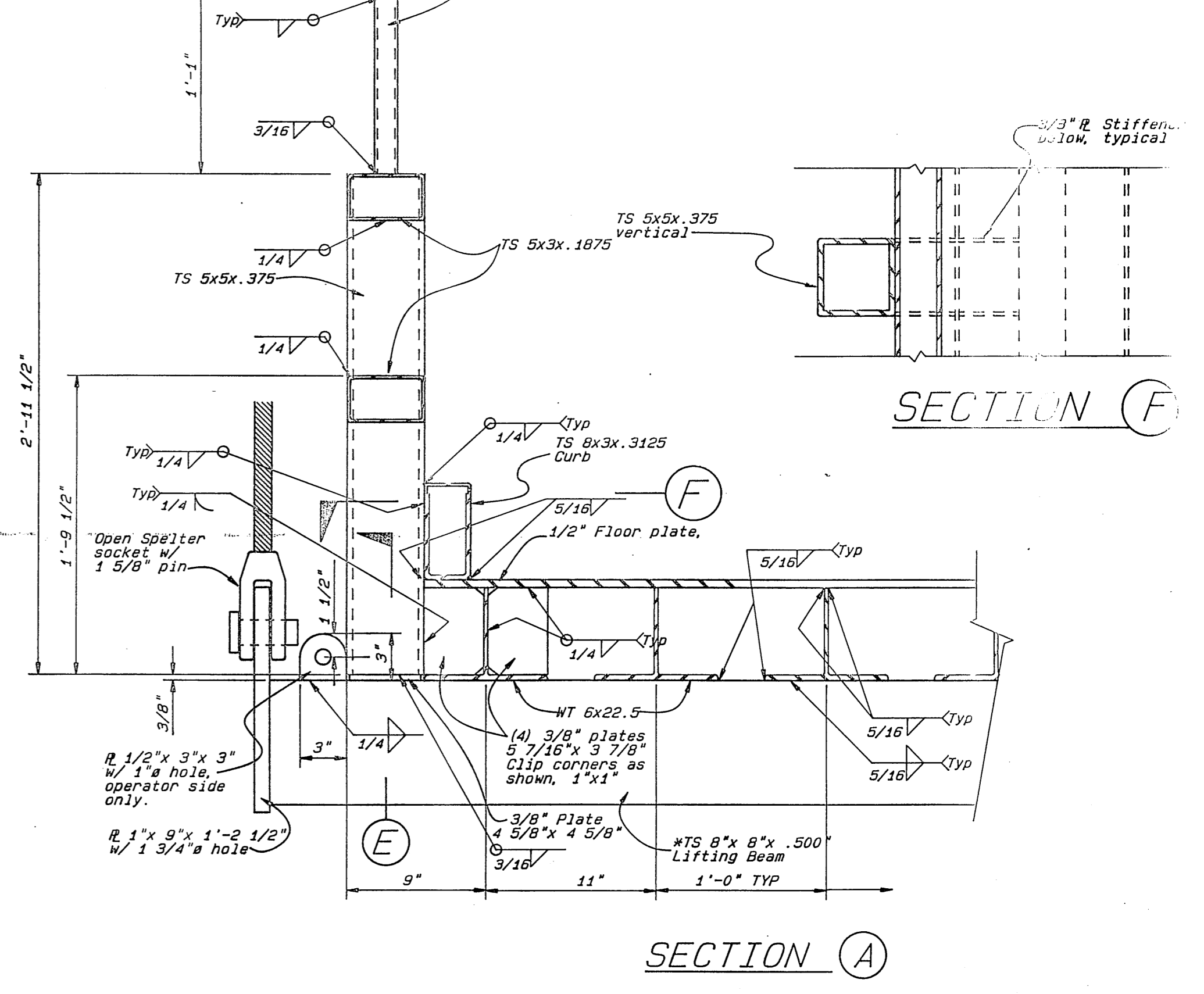
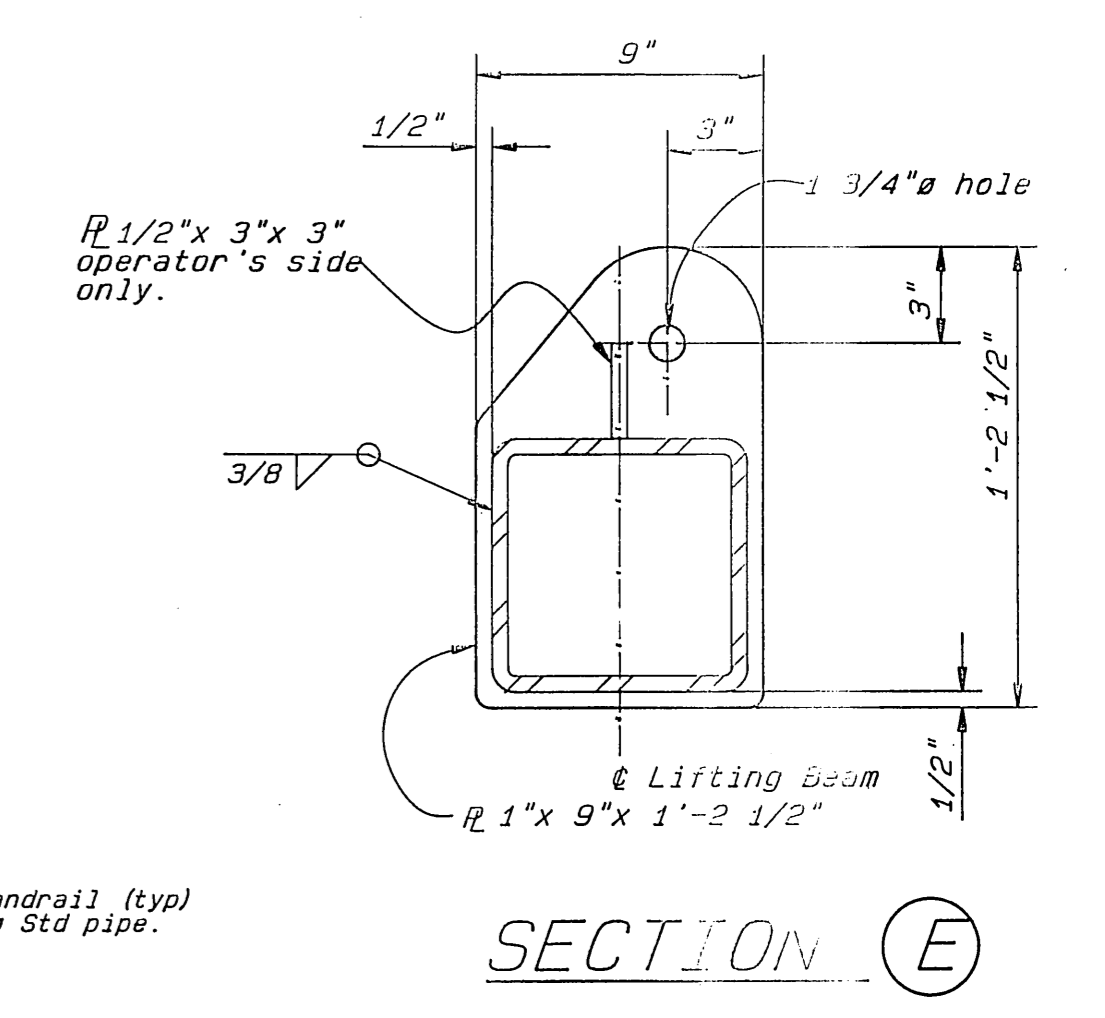
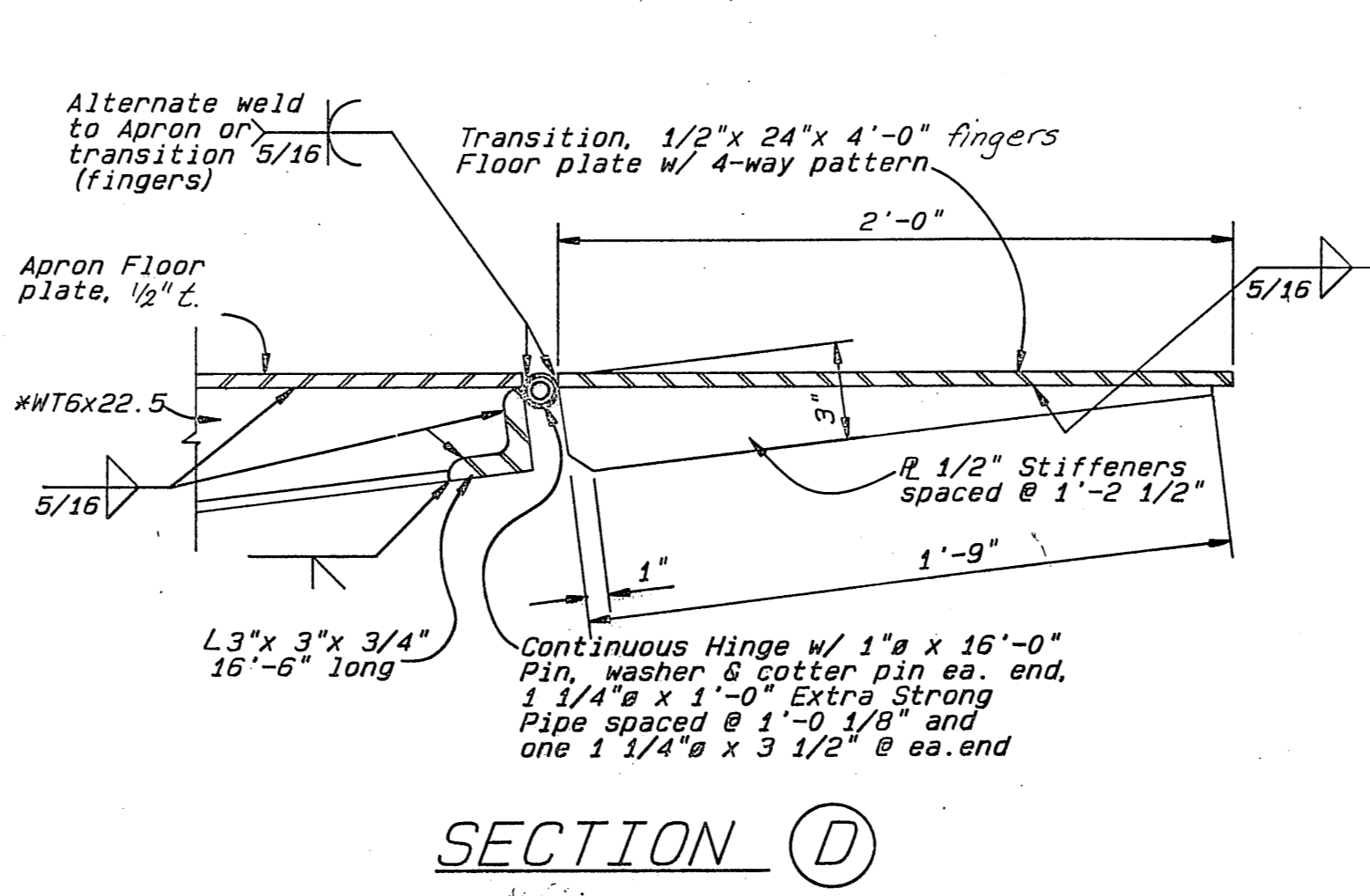
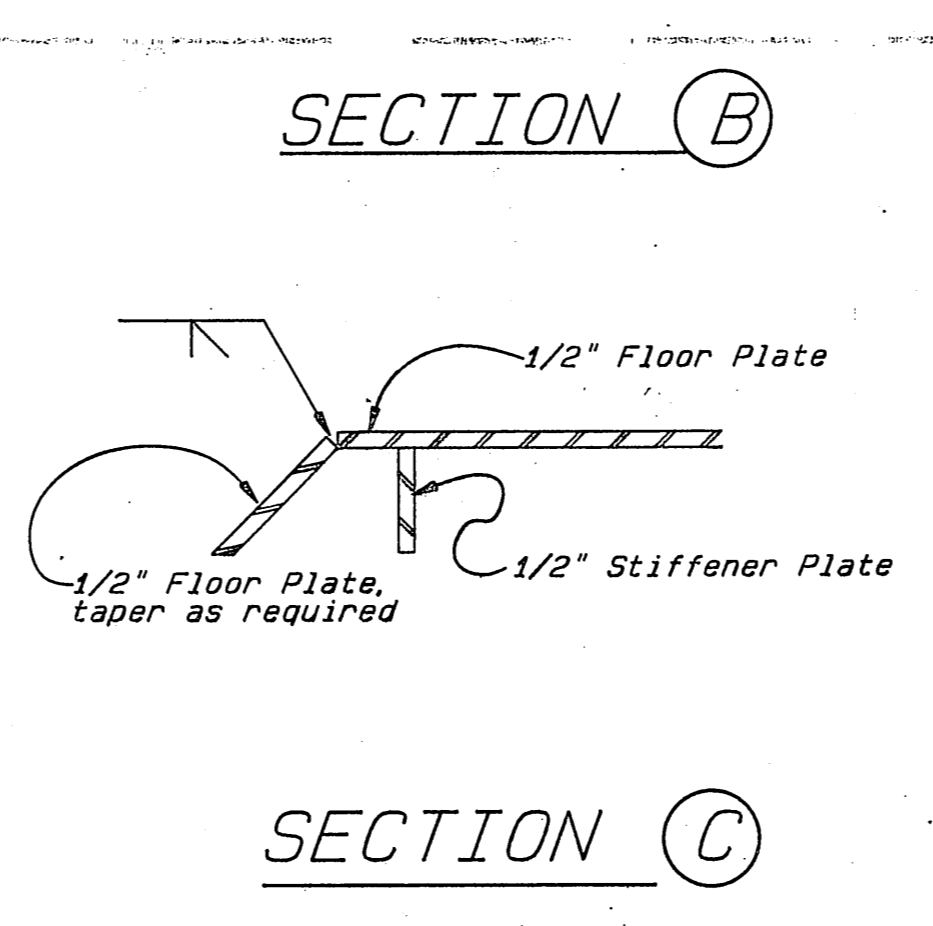
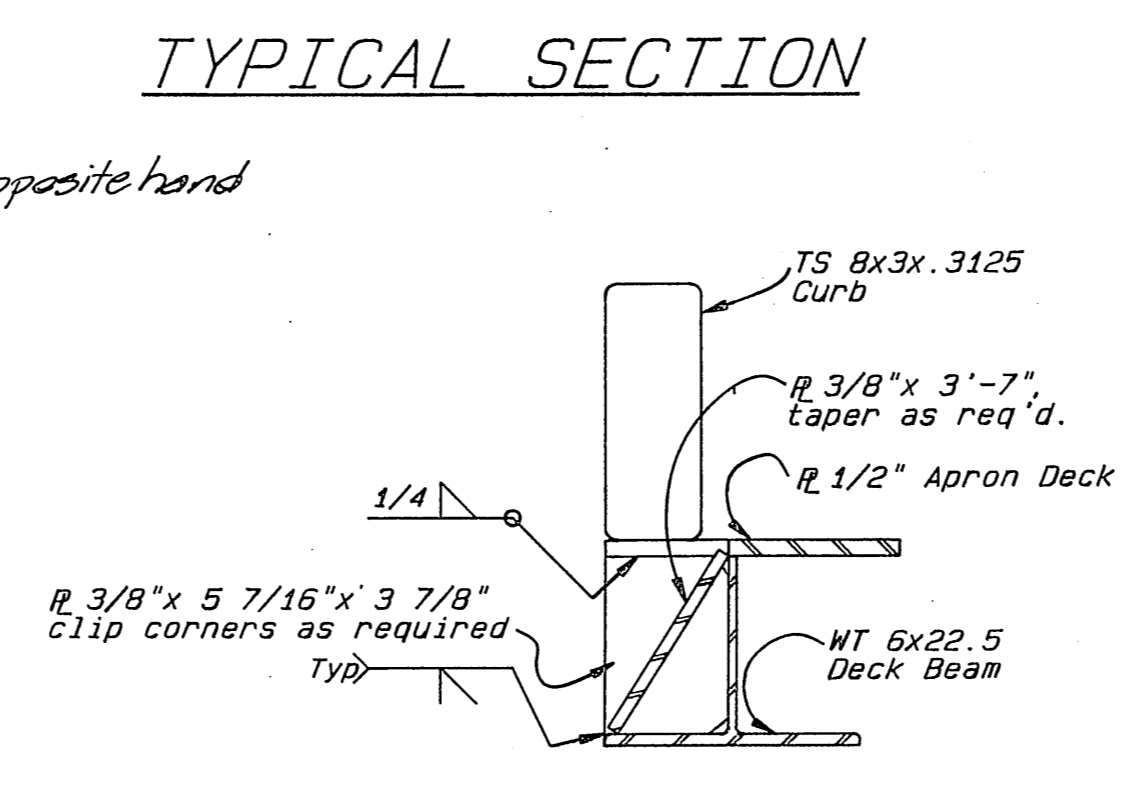
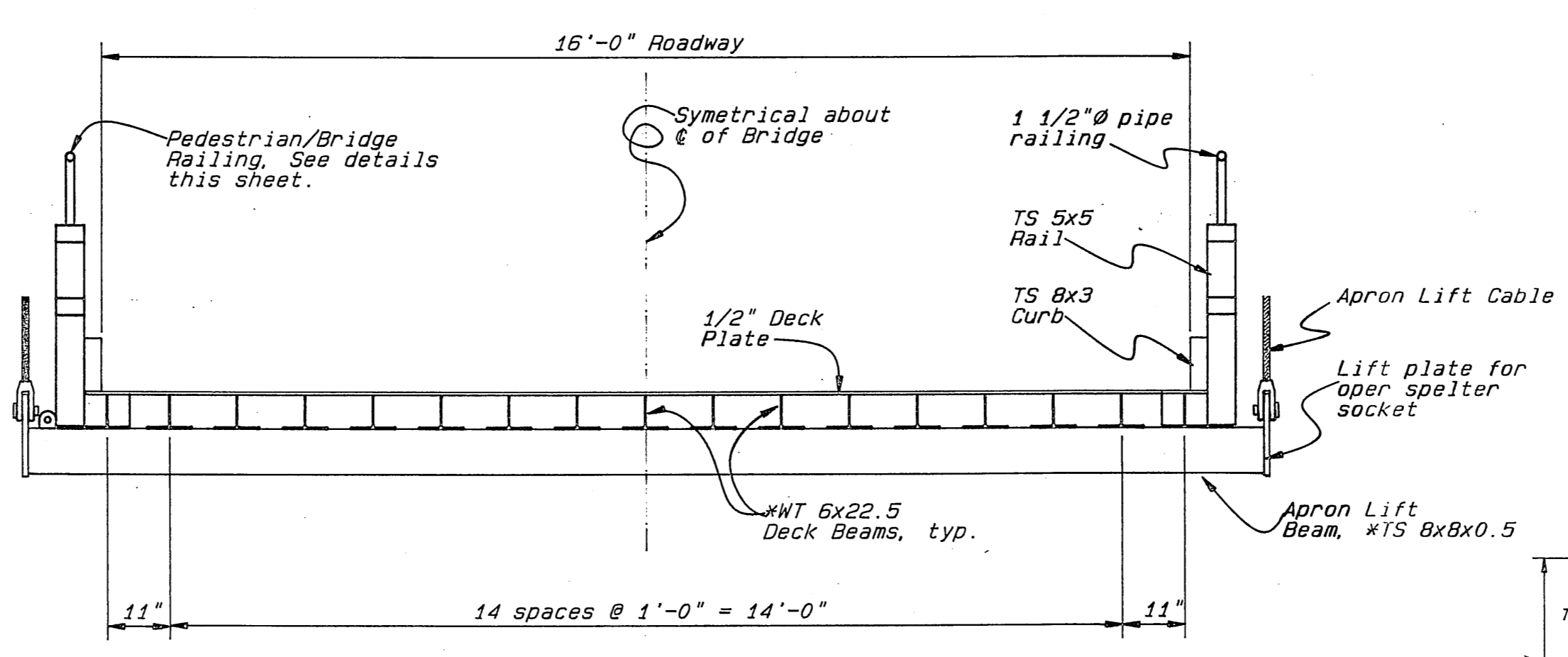
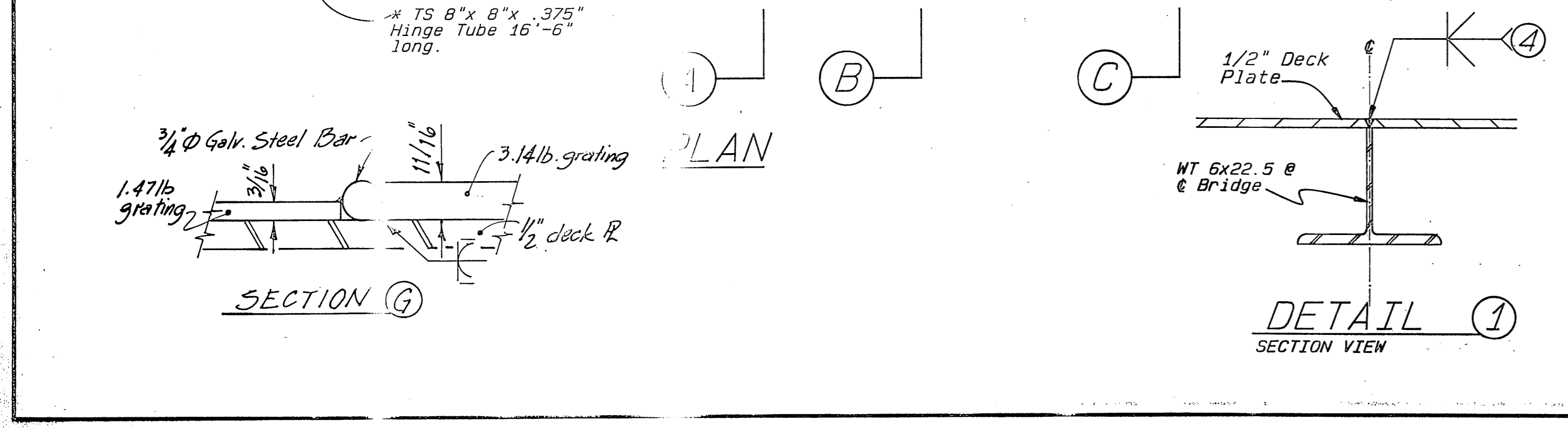
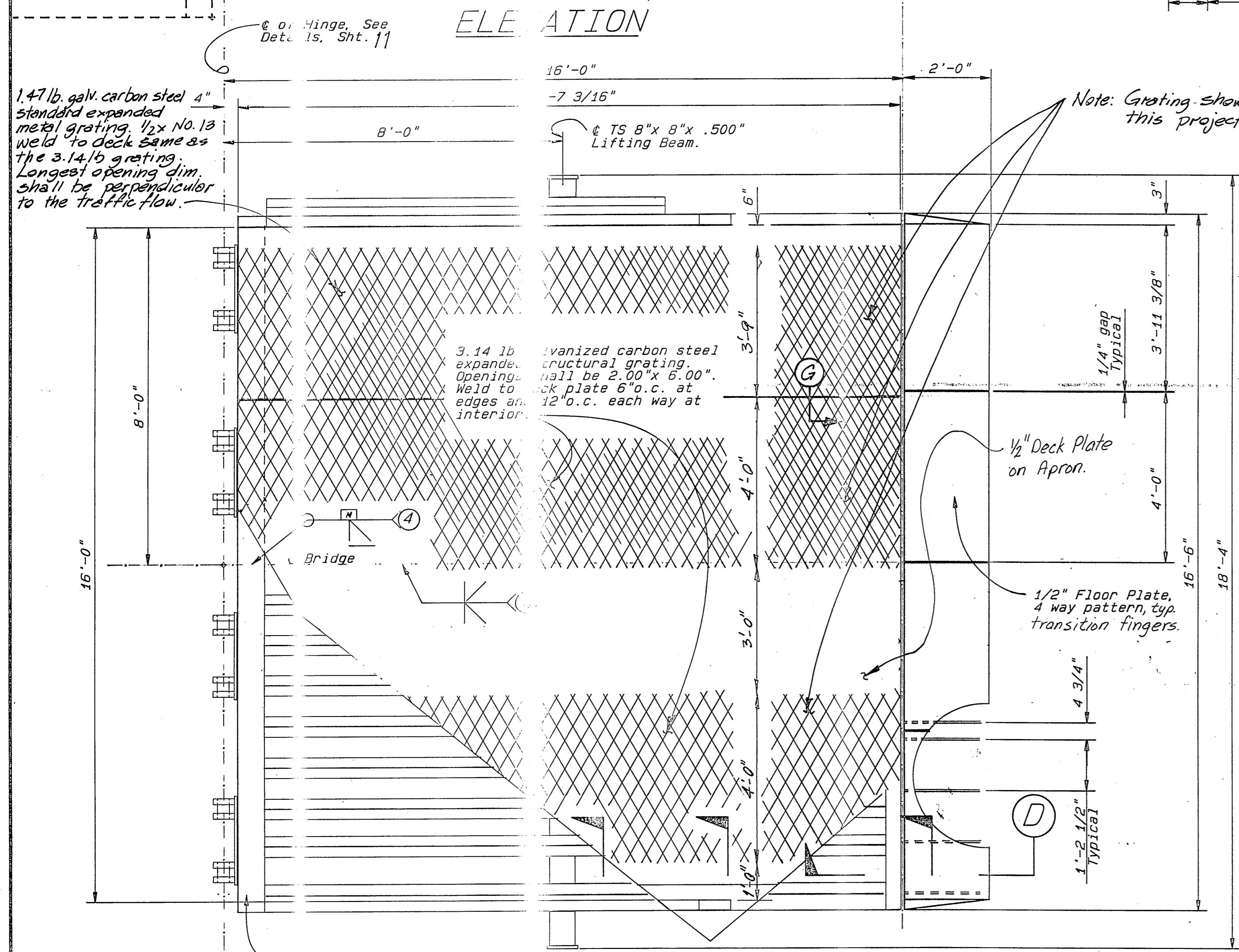
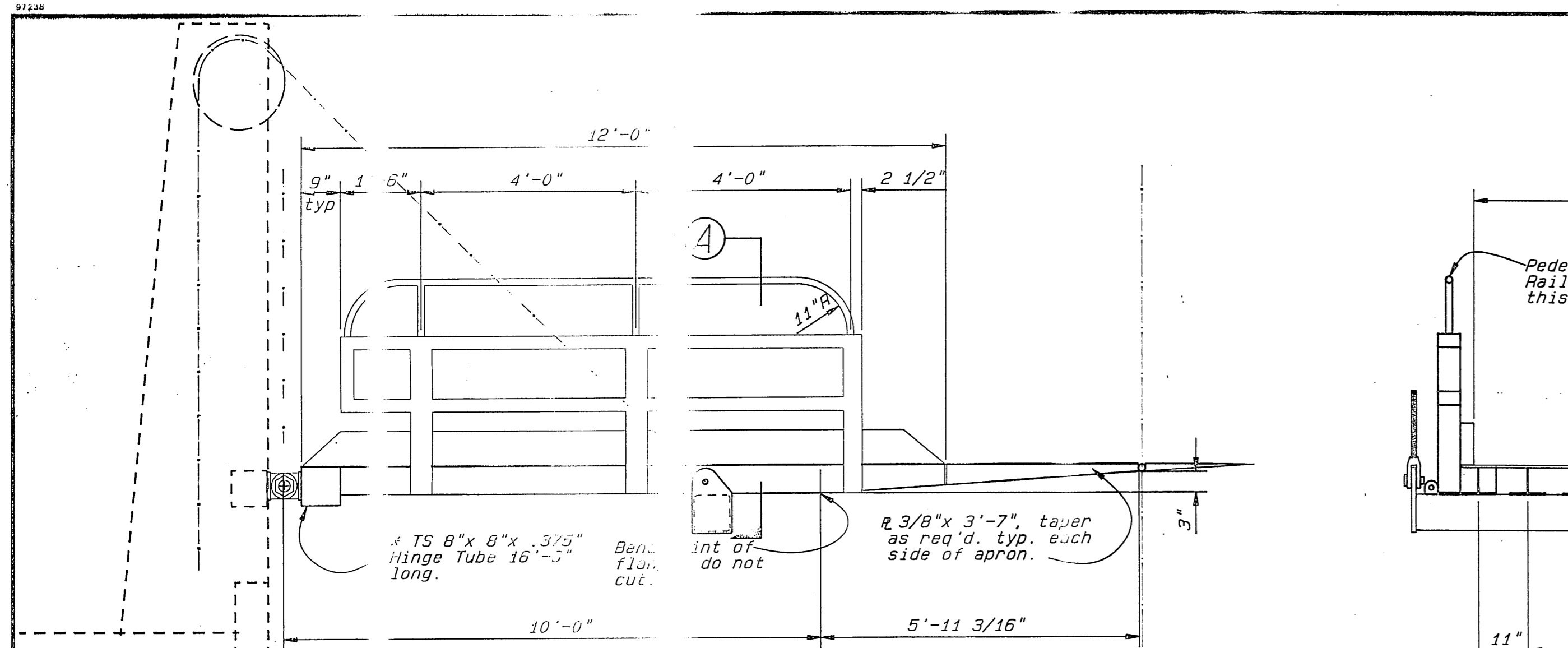


- NOTES:**
- All sheaves this sheet, Bronze bushed; 20" O.D., 17" Tread, 2 3/4" Hub thickness, 4 1/2" Shaft
 - Cable shall be 7/8" x 6x30 flattened strand, lang lay IWRC core. (breaking strength 35.4 tons) galvanized and greased.
 - Provide 4 1/2" sheave pins cross drilled ea. end for grease, w/ 1/8" MPT, short, straight, stainless steel grease fitting and polyethylene cap each end. See pin Detail on Sht. 13.
 - See Sht. 14.

As BUILT Name & Date

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
APRON MECHANICAL DETAIL			
DESIGNED BY	CHECKED	DRAWN	DATE
JW	LJU		7/1
PROJECT NUMBER	SHEET		OF
R5-M-0935 (9)	20		41

9-15-87



- NOTES:**
- *Main members subject to tensile stress.
 - Galvanize after fabrication.
 - Close all open ended pipe or tubing with 1/4"R and seal weld.
 - Permissible welds for splice to allow galvanizing, See Detail 1.

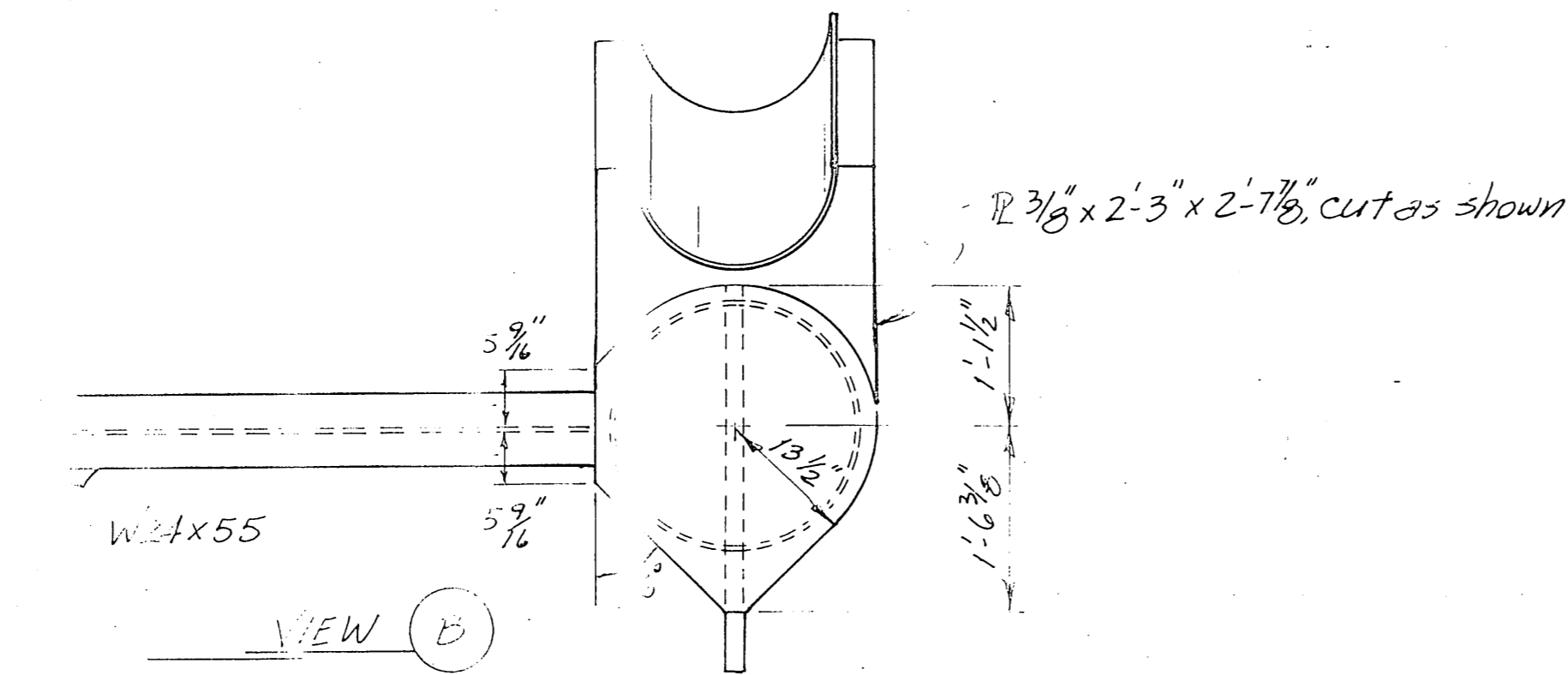
As BUILT NAME & DATE

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA			
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
SITKA		AL	
APRON DETAILS			
DESIGNED JL	CHECKED JS	DRAWN Geopal	DATE
PROJECT NUMBER RS-M-0935 (9)	SHEET 21		OF 41

9-15-87

Bottom R $\frac{1}{2}$ " x 2'-3" x 2'-0"
Top R $\frac{1}{2}$ " x 2'-0" x 2'-3"

24" x 1/2"



Note: Existing concrete docks shown dashed.

24" x 1/2" Vertical, top
18" x 1/2" Batten, top

Transfer Bridge Symm. about 31'-9"

Bridge Apron

24" x 60" Barge

1.3 Batten (Typ.)

4'-0" x 2'-0"

2 Vertical Piles = Hanger R

Transfer Bridge

LAYOUT

Note: Barge shown at tide stage where bridge deck is level.

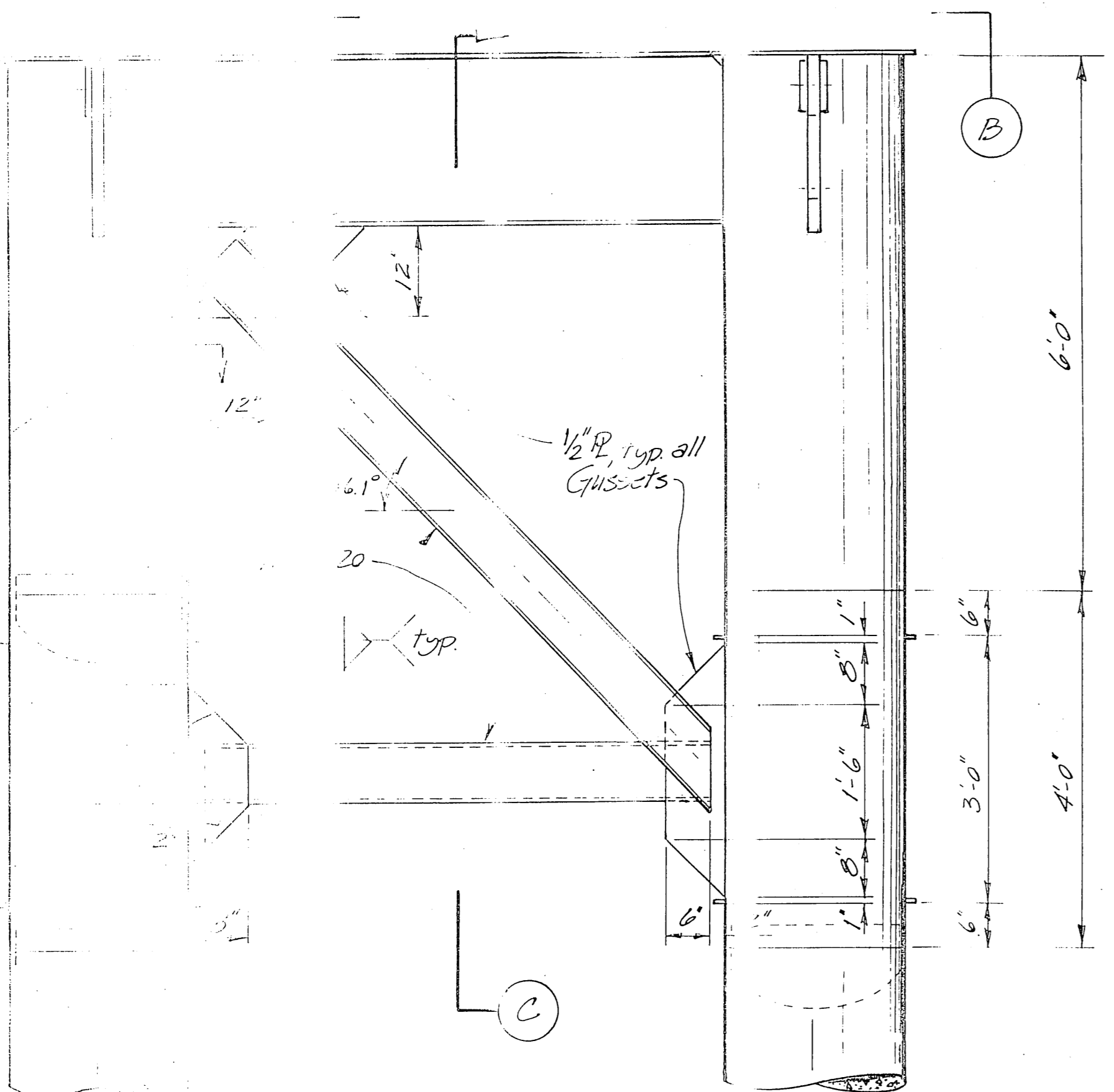
EL +22'±

A
typ. R $\frac{1}{2}$ "

EL +16'±

EL +12'±

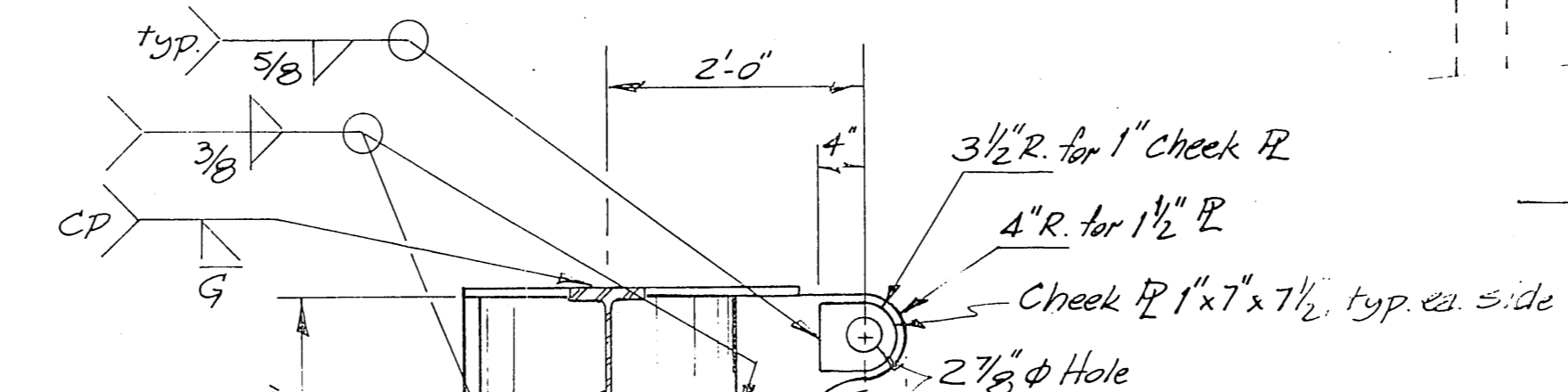
24" x 1/2" wall Vertical Piles
Drive to 100 tons bearing



3'-0"

ELEVATION

max weight = 5100 lbs. each.



Hanger R 1 1/2" x 2'-0" x 3'-5 1/2"
cut as shown.

18" x 1/2" batter Pile
Drive to 50T bearing

Half pipe Section:
L = 4'-0" inside
radius = 18"

SECTION C

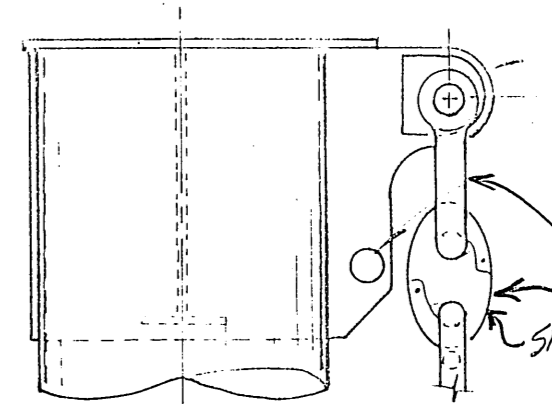
EL +22'±

Hanger R, see detail

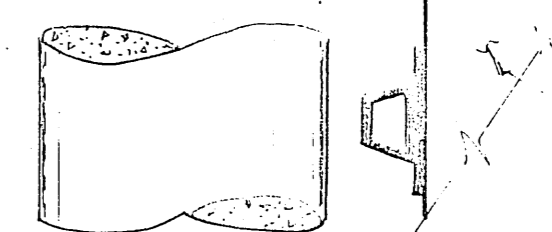
27 1/8" phi hole for lockoff chain storage

DOUBLE SHACKLE SETUP INSTEAD OF SINGLE

Note: 1.0" batter not shown for clarity.



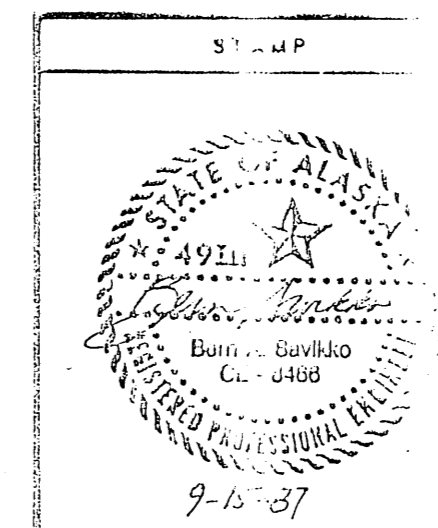
1 1/2" Die Lock Anchor Chain
1 1/2" Bitter End
Joining Link, typ.
2 1/2" Shackle to
match Chain, typ.
Approx. Deck EL = 12'±



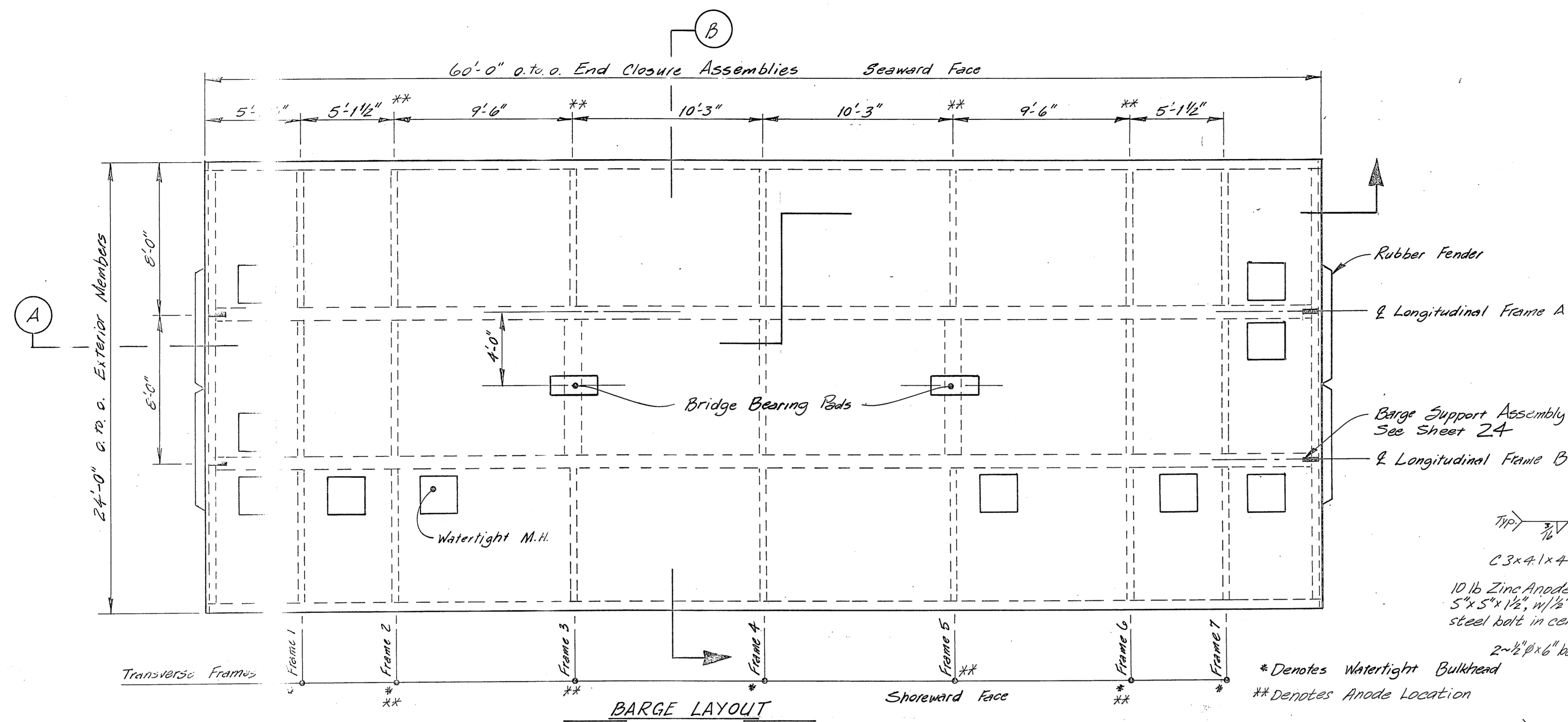
CHAIN DETAIL

AS BUILT

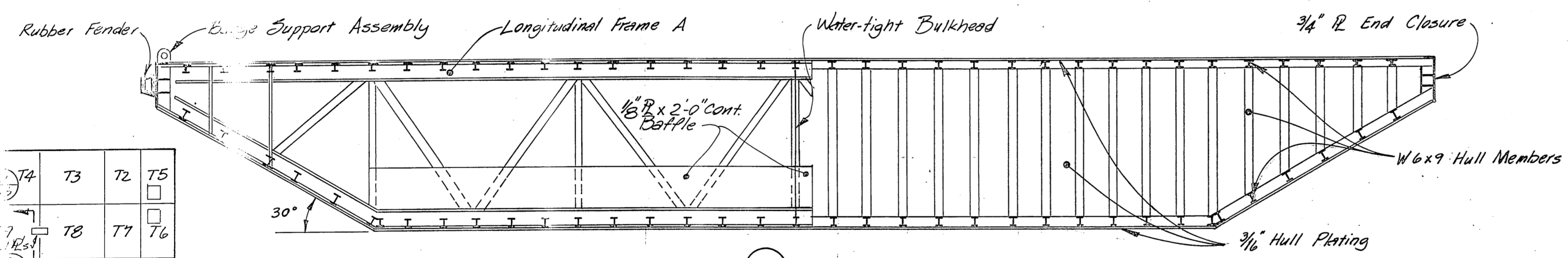
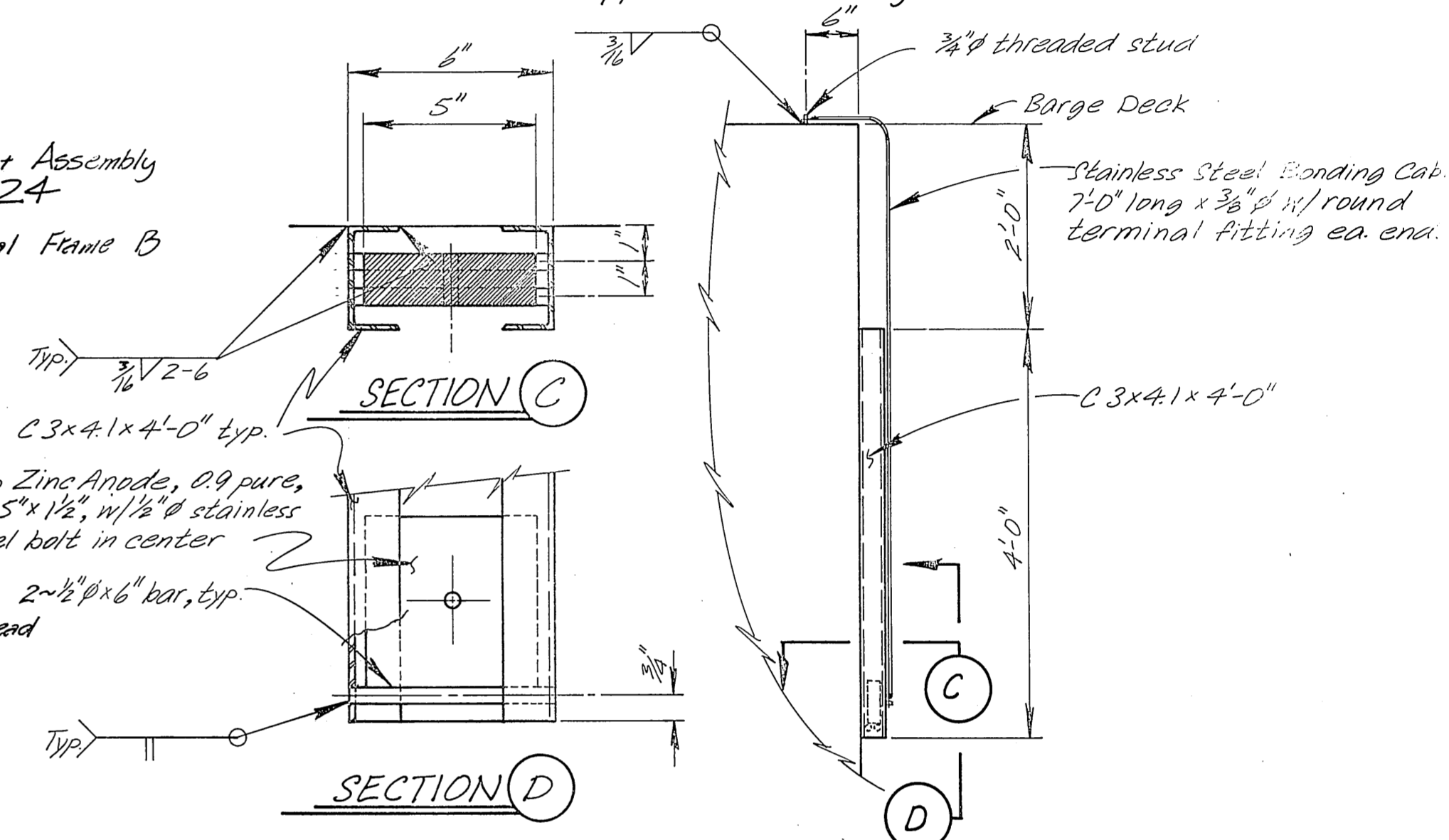
Name & Part



STAMP	DO NOT SCALE THIS DRAWING. USE	DATE
	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND 3/11/25	
	BARGE RESTRAINT ST	RES
DESIGNED EAS	CHECKED NS	DATE 9-15-37
PROJECT NUMBER AS-1-0730	DRAWING NO. 7	SCALE 2:2
		41



- 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. ballasted section of ea. tank.
 5. Prior to protective coating, ea. compartment shall be tested for water tightness by static and pneumatic or hydraulic methods to 7 ft. equivalent head. Test methods and details shall be subject to approval of the engineer.

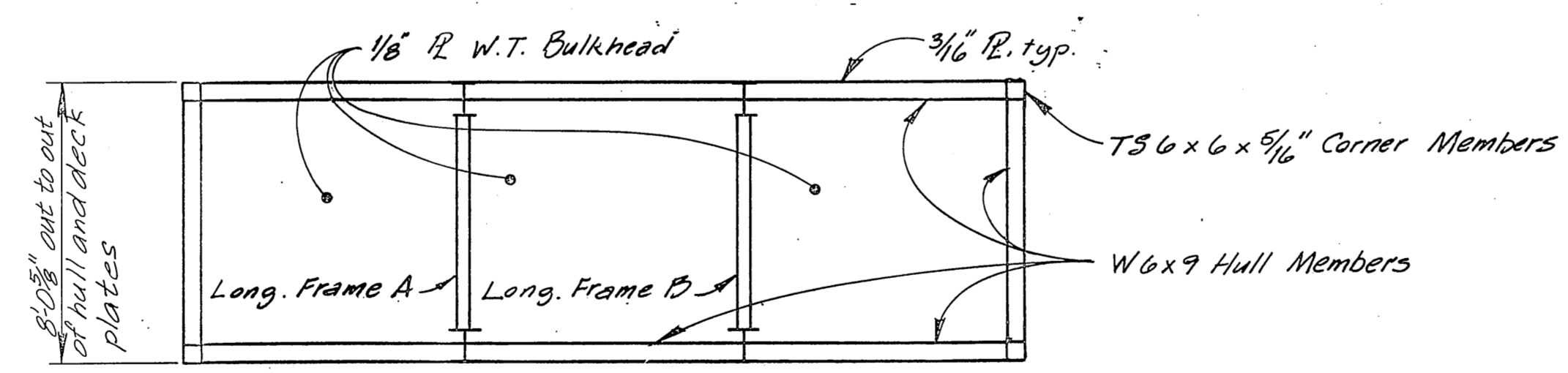


T1	T2	T3	T4	T5
T6	T7	T8	T9	T10
T11	T12	T13	T14	T15

TOP PANELS (PLAN VIEW)

B1	B2	B3	B4	B5	B6	B7
B8	B9	B10	B11	B12	B13	B14
B15	B16	B17	B18	B19	B20	B21

BOTTOM PANELS (PLAN VIEW)



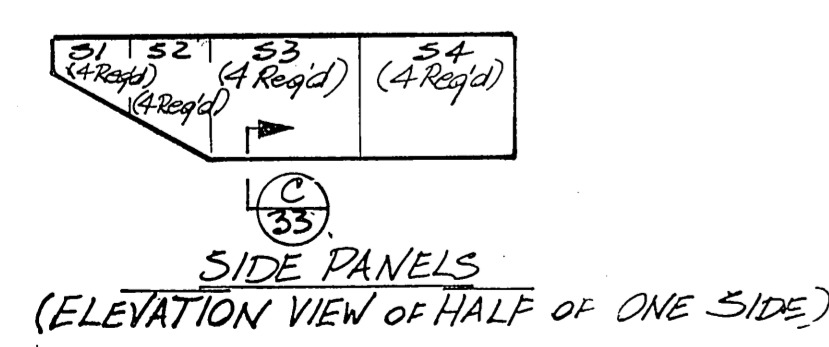
SECTION B

BARGE SHEETS - REFERENCE INDEX	
Sheet No.	Description
23	Barge Layout & Typical Sections
24	Longitudinal Frames A & B
25	Transverse Frames 1-7
26	Details Frames 1-7
27	Details Frames 2, 4 & 6
28	Details Frames 3 & 5
29	Watertight Bulkheads & Bridge Bearing Details
30	Panels T1-T11 & Manhole Details
31	Panels B1-B11 & S1-S4
32	End Closure Assembly & Fender Details
33	Panel Connection & Misc. Details

Note: Approximate total weight of Barge = 110,000 lbs.

AS BUILT NAME & DATE

SEE ATTACHMENT



STAMP

DO NOT SCALE THIS DRAWING - USE DIMENSIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

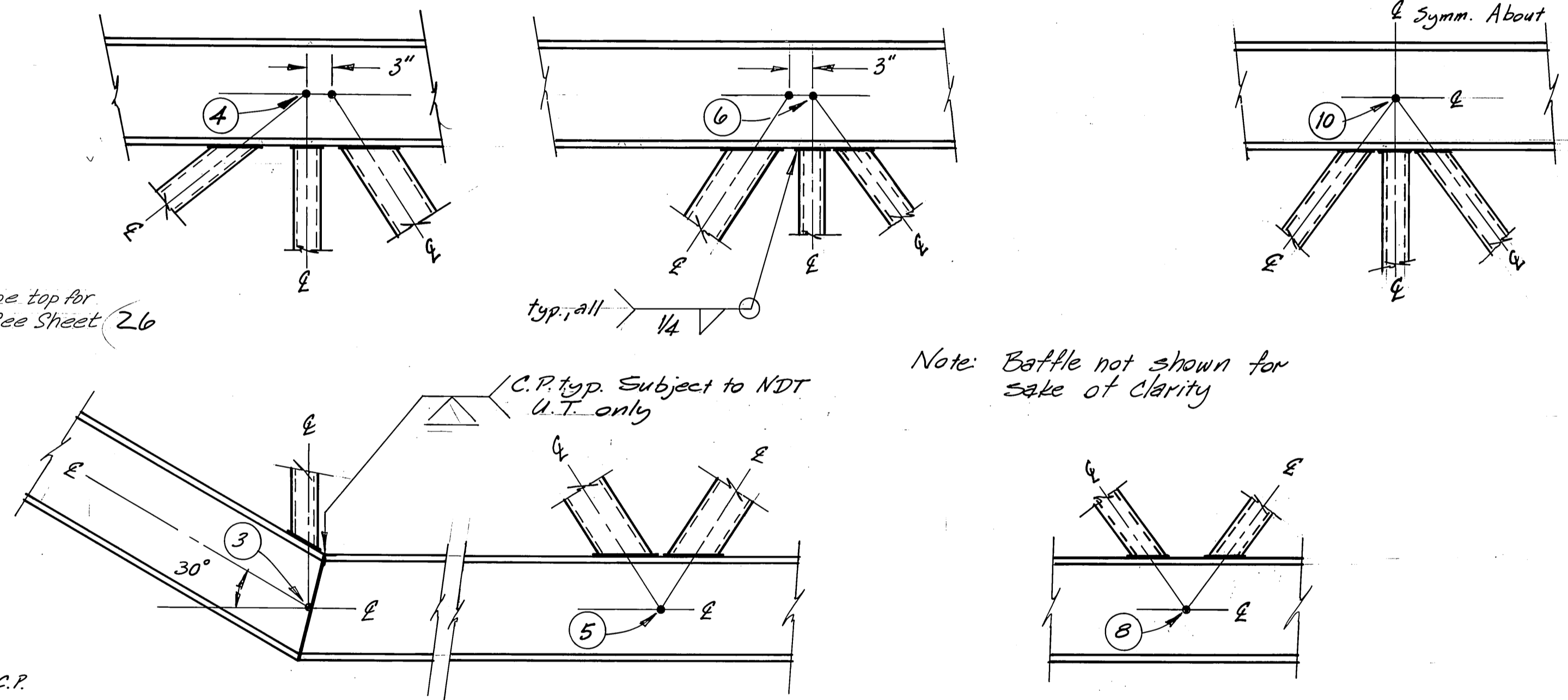
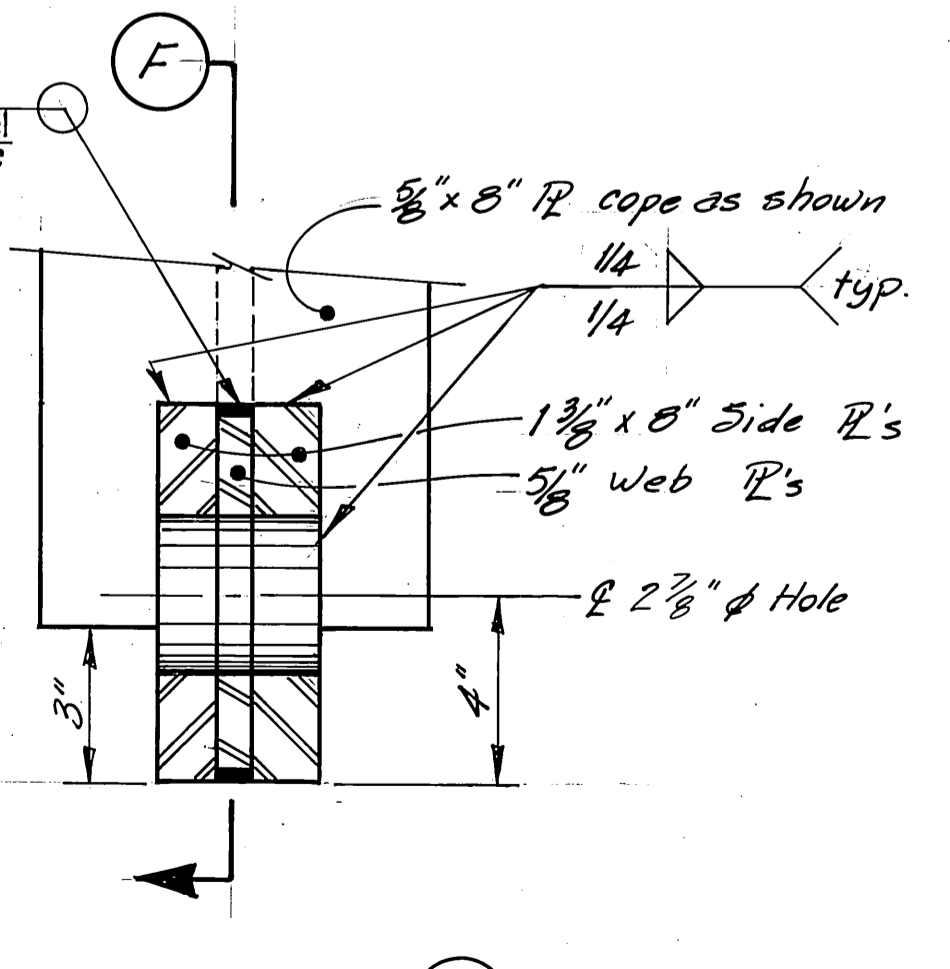
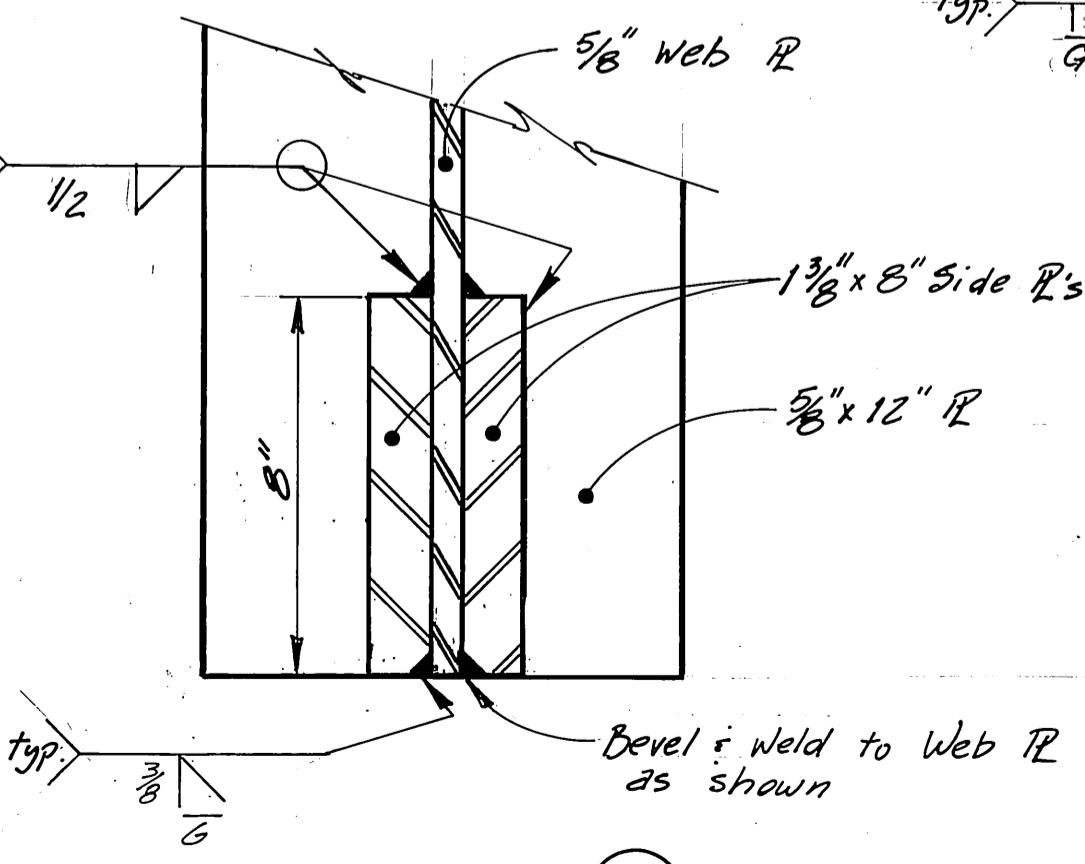
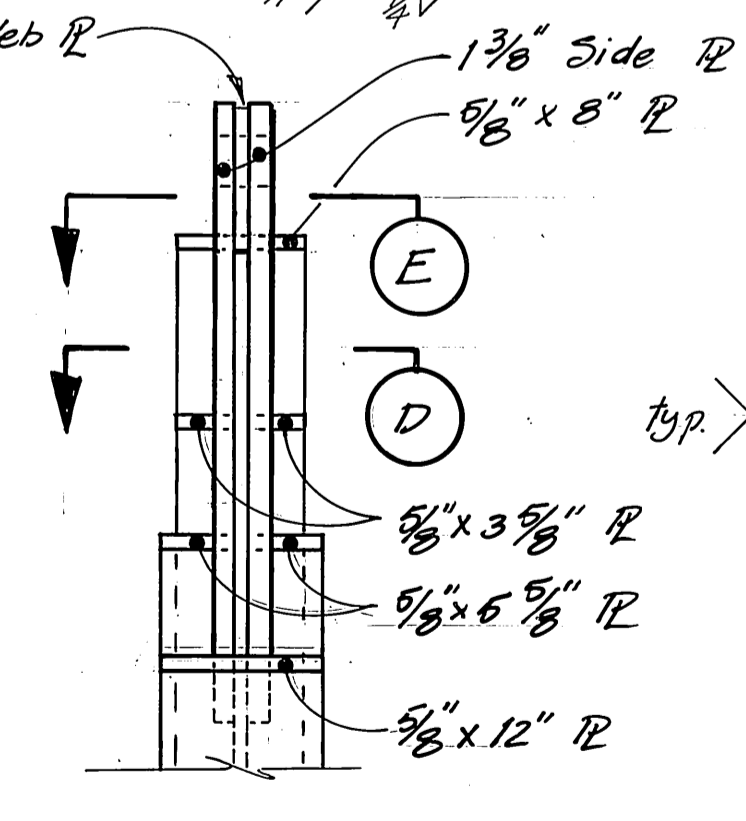
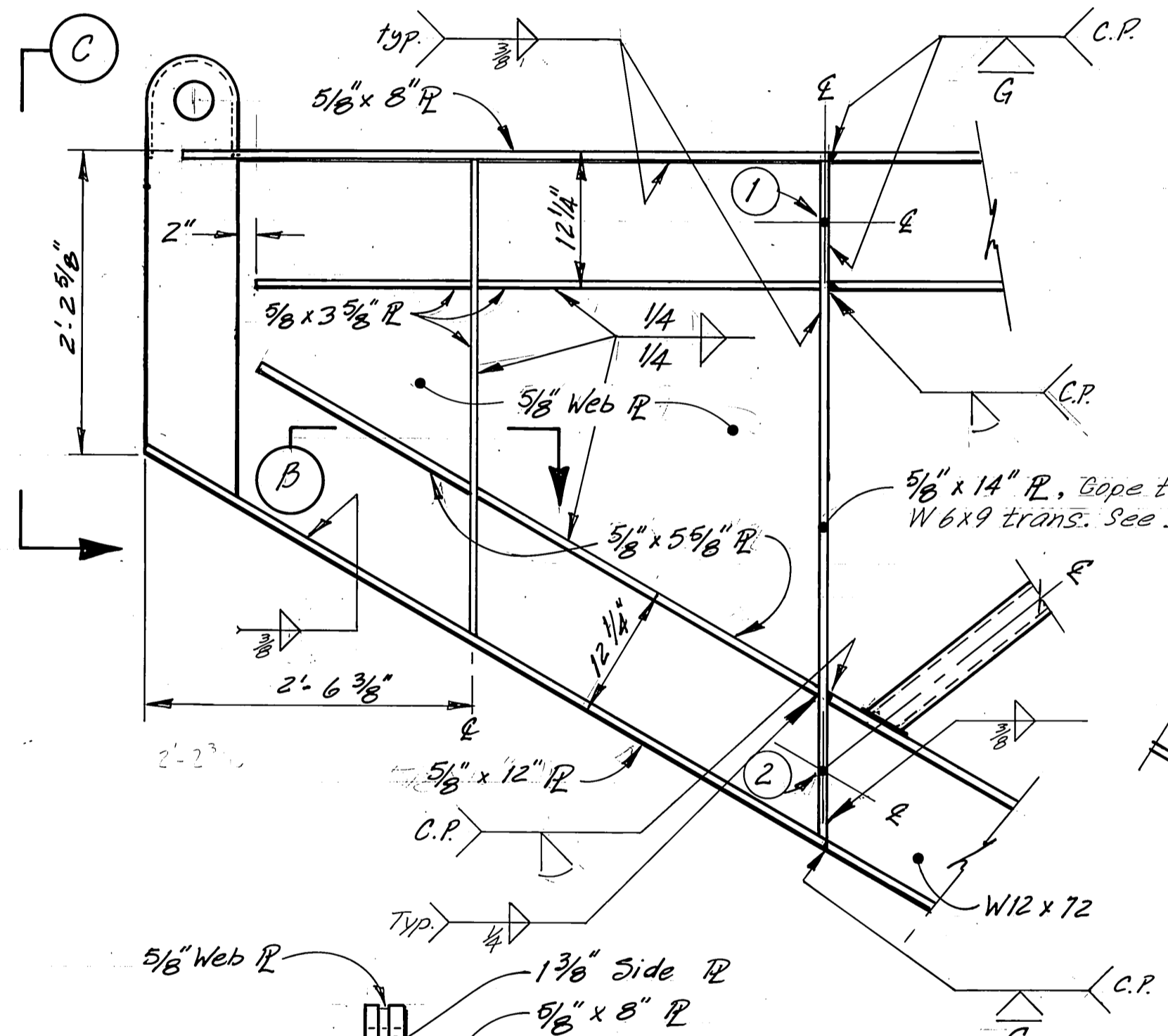
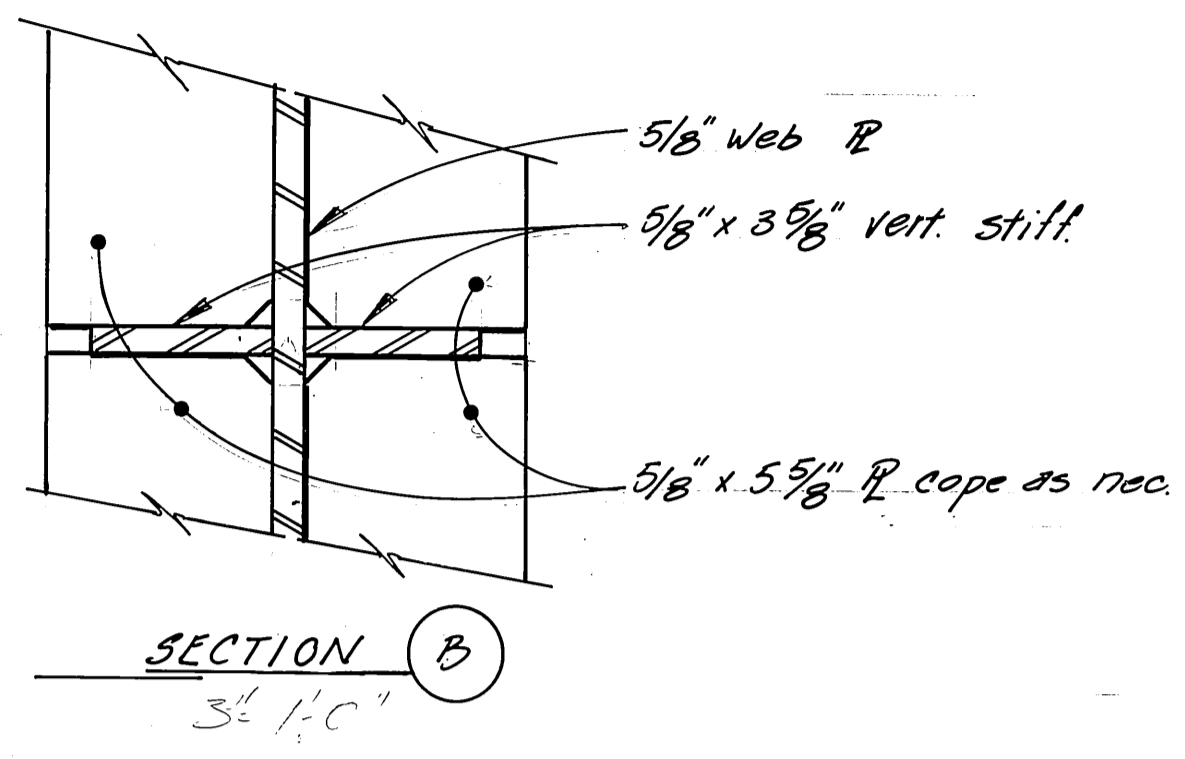
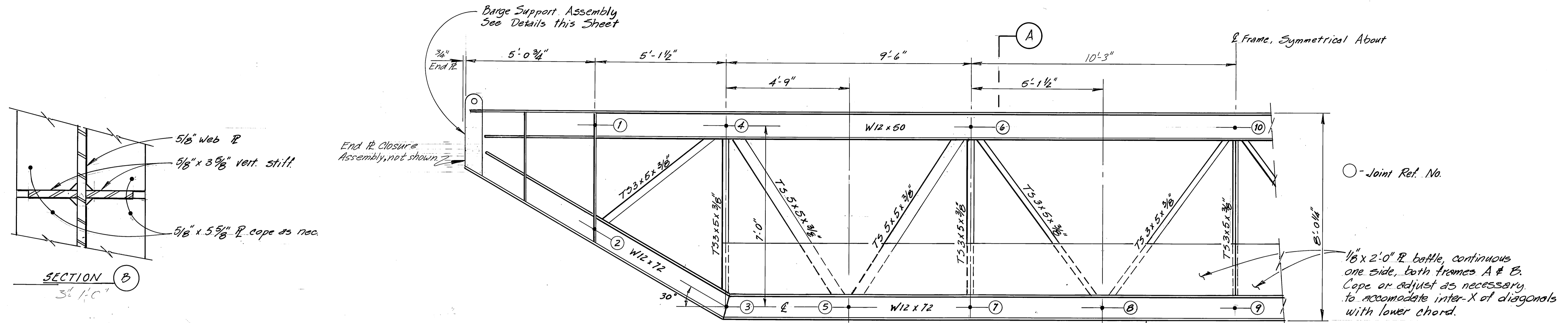
Sitka Alaska

BARGE LAYOUT & TYPICAL SECTIONS

DESIGNED JAL CHECKED JS DRAWN JAL DATE 3-84

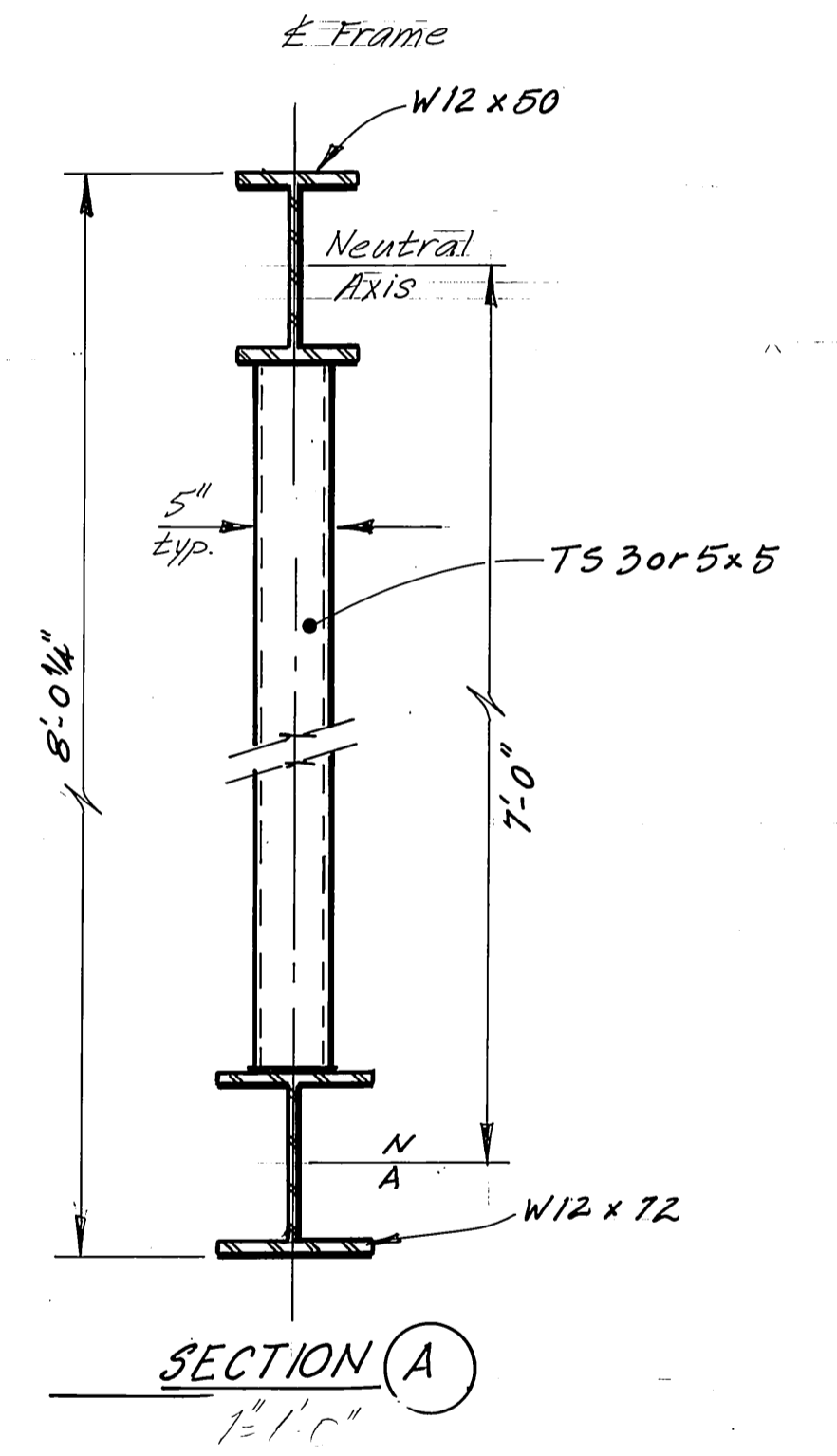
PROJECT NUMBER RS-M-935(9) SHEET 23 OF 41

2/25/85



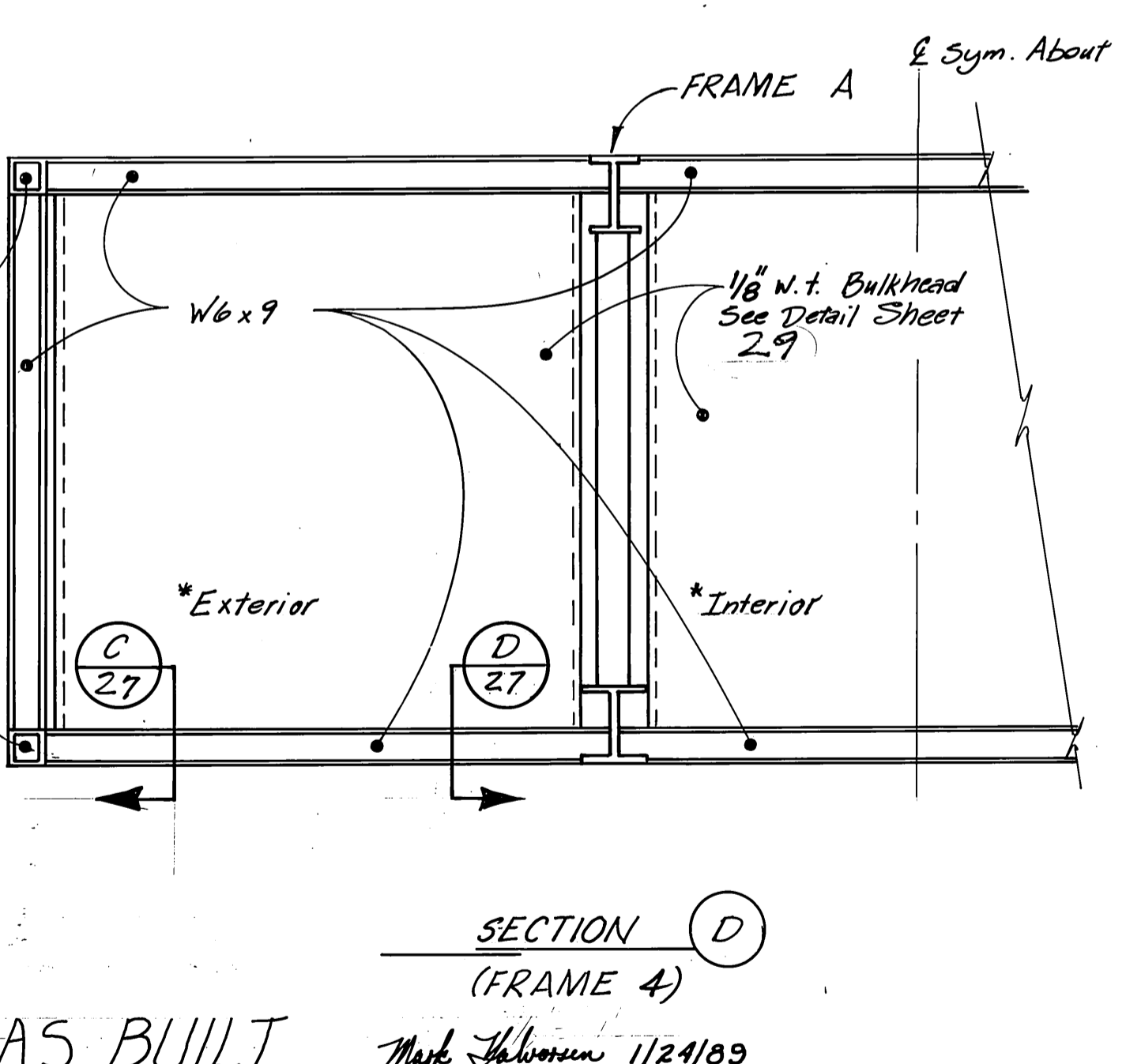
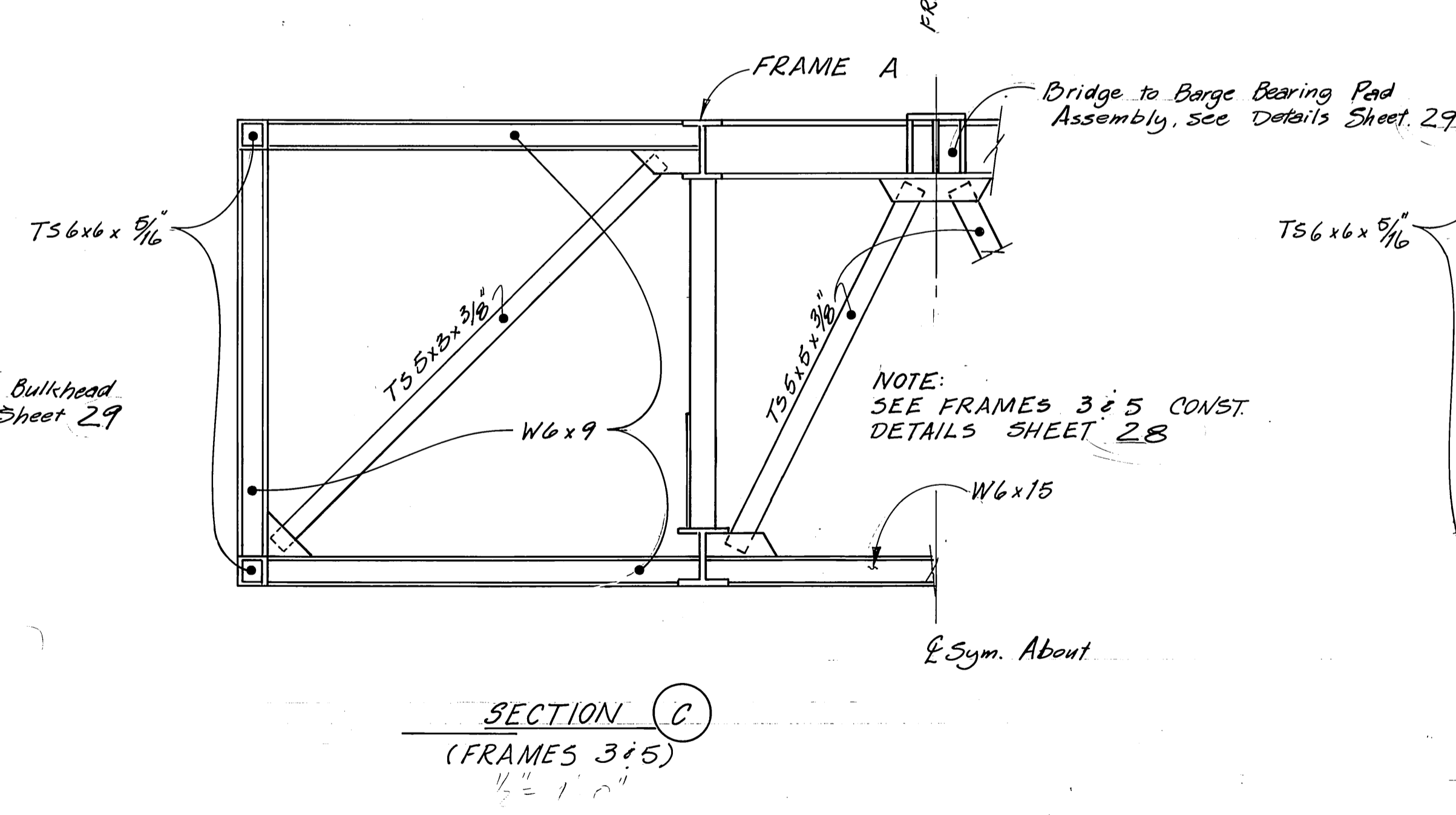
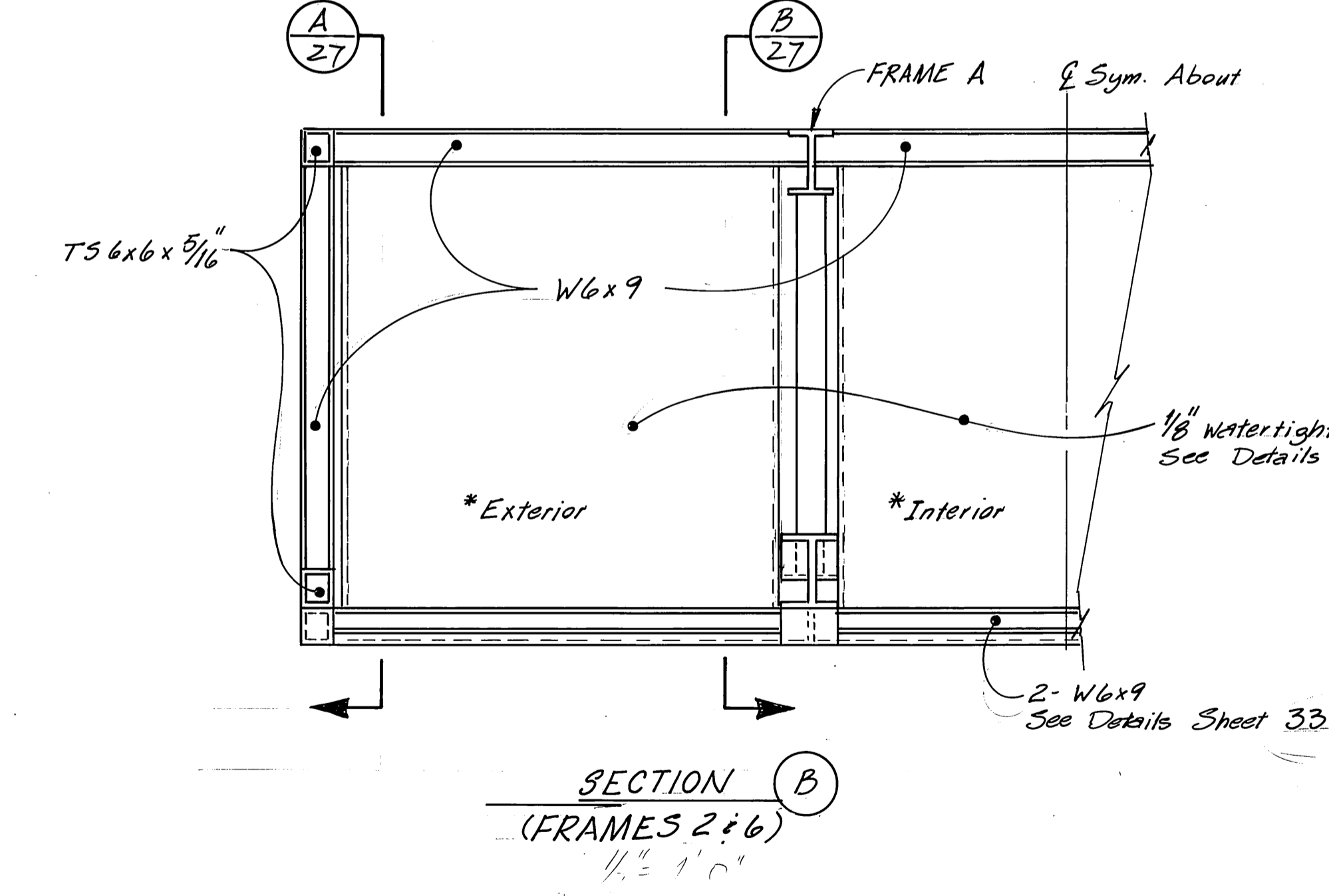
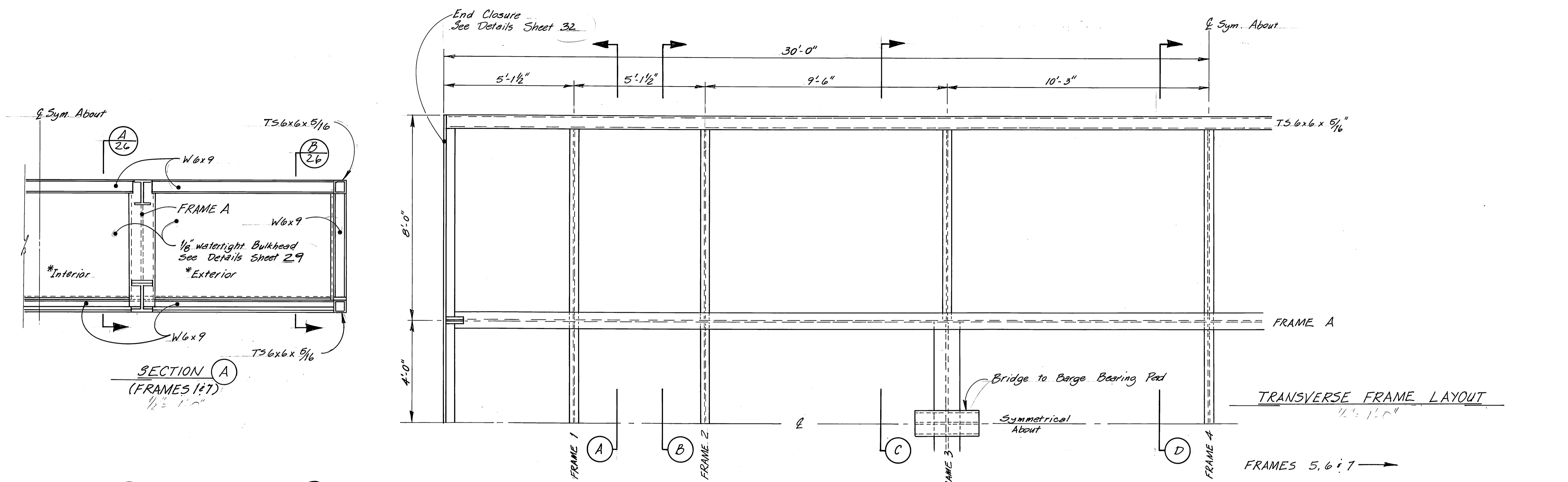
Note: Baffle not shown for sake of clarity

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



AS BUILT Mark Johnson 1/24/89

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA			
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
Sitka		Alaska	
LONGITUDINAL FRAMES A & B			
DESIGNED JAL	CHECKED JS	DRAWN JAL	DATE 3-84
PROJECT NUMBER RS-M-935 (9)	SHEET 24		OF 41



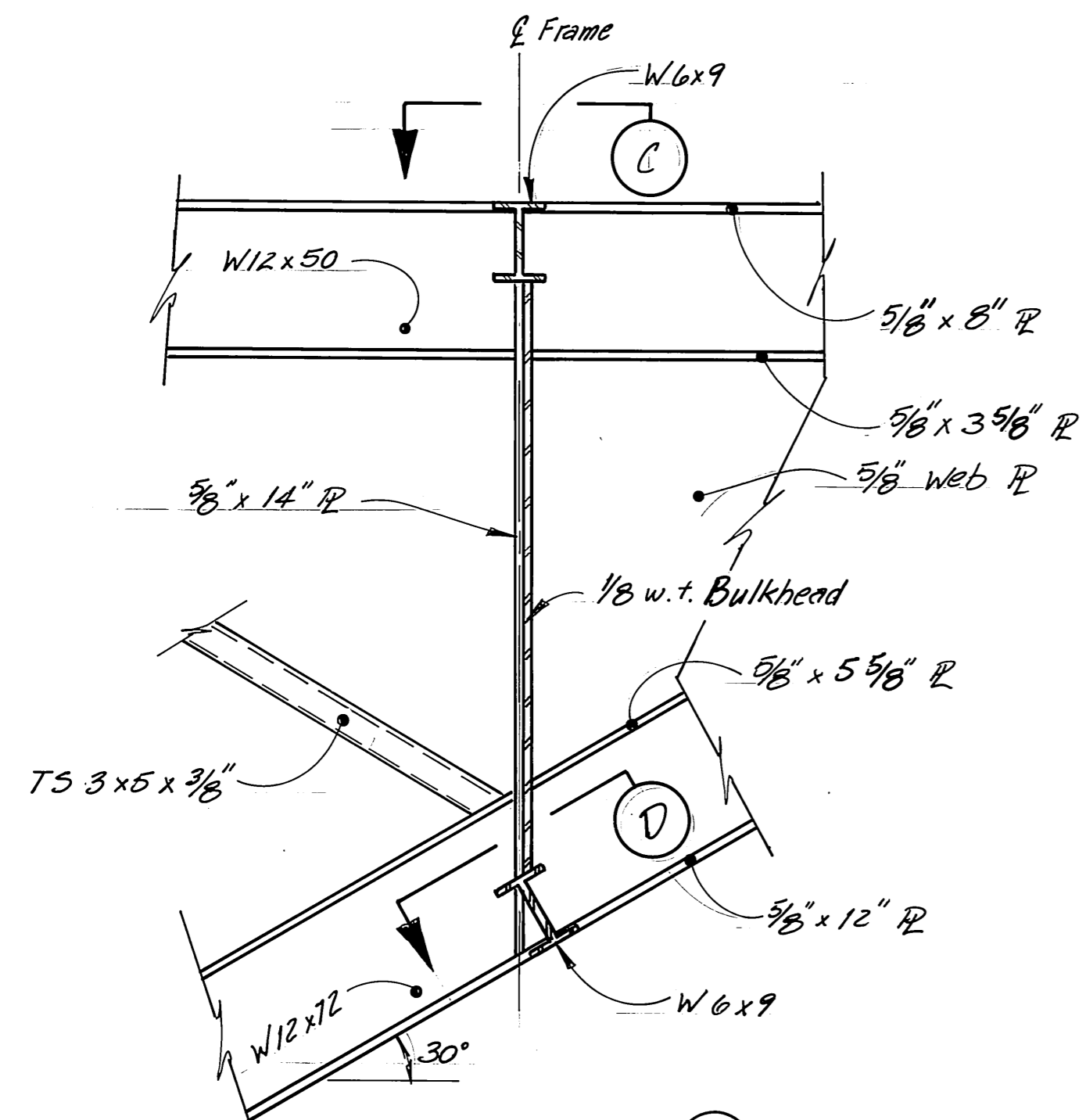
*Bulkhead type reference

See Attachment P.23

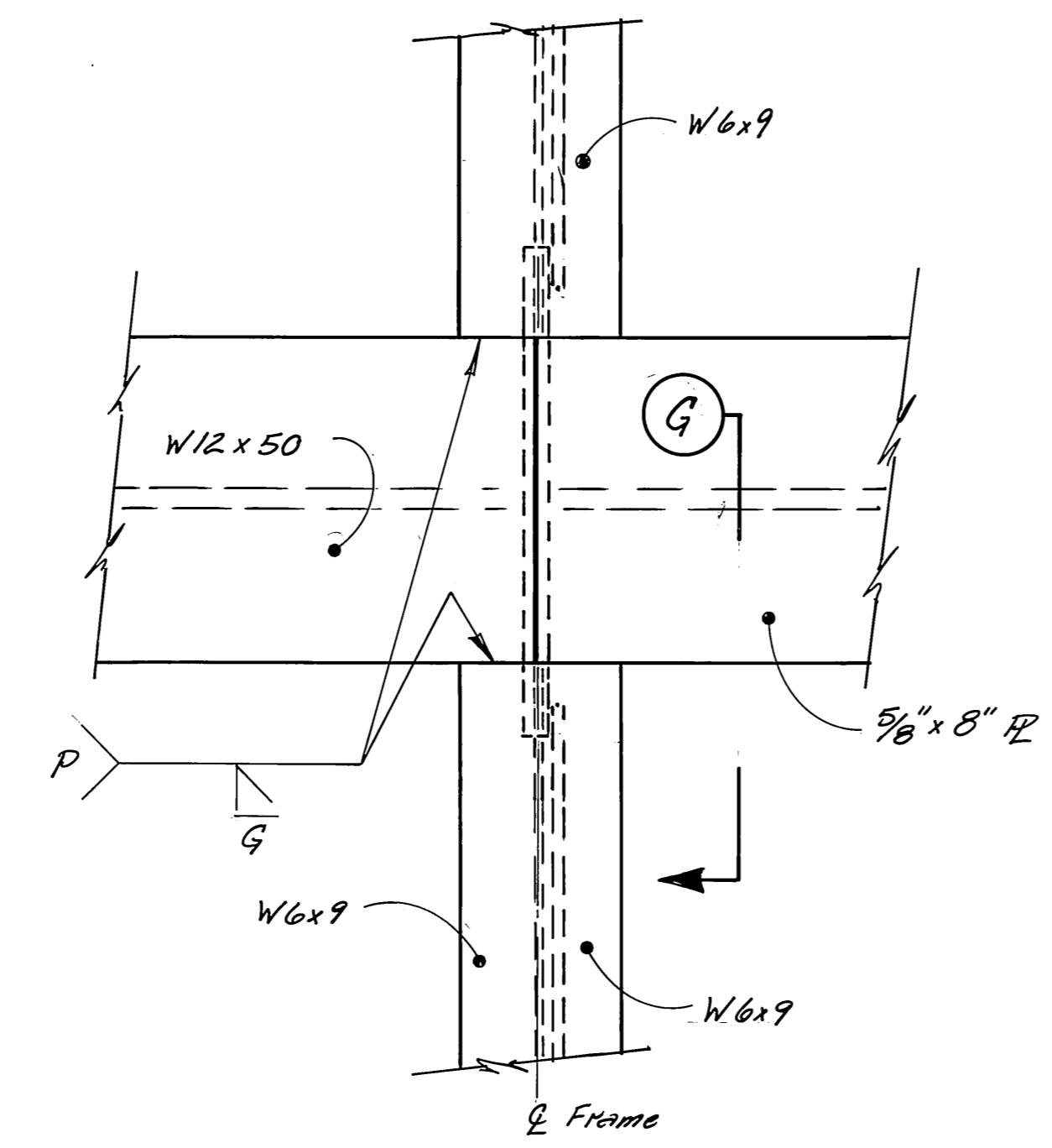
AS BUILT

Mark Johnson 1/24/89

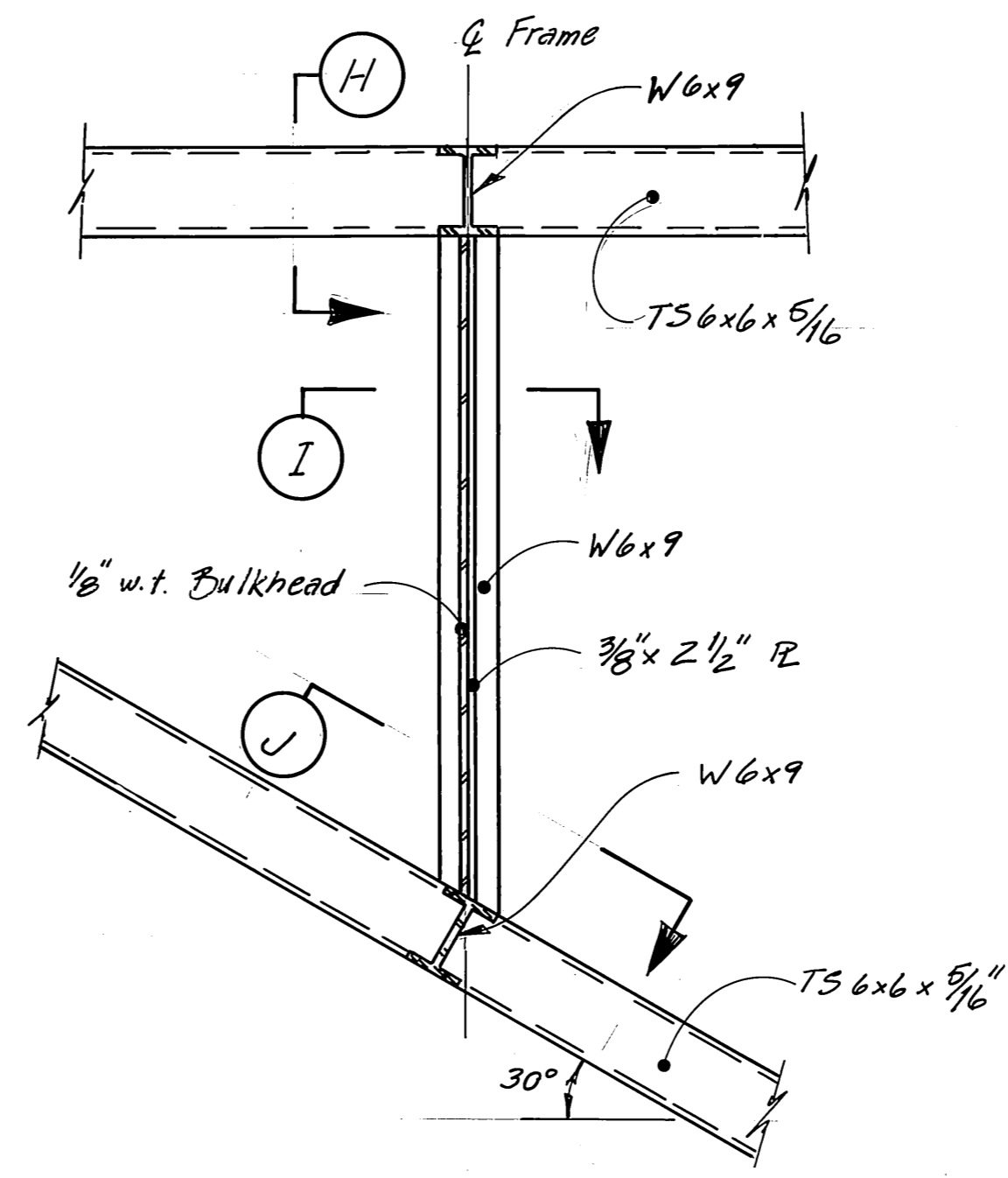
STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA	
		DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
		Sitka	Alaska
TRANSVERSE FRAMES 1-7			
DESIGNED JAL	CHECKED JS	DRAWN JAL	DATE 2-84
PROJECT NUMBER RS-M-935 (9)	SHEET 25		OF 41



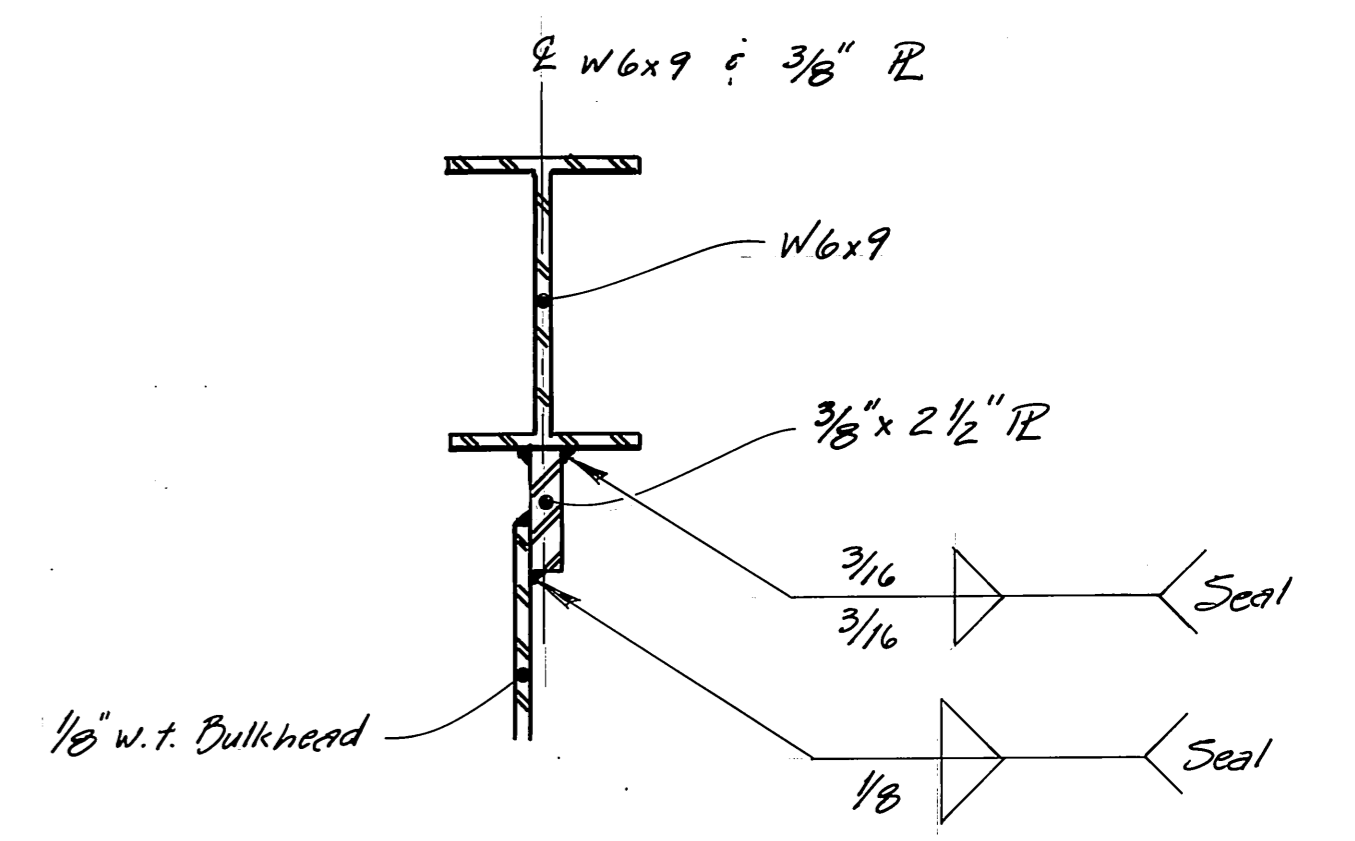
SECTION A
3 1/2" x 1" (From Sheet 25)



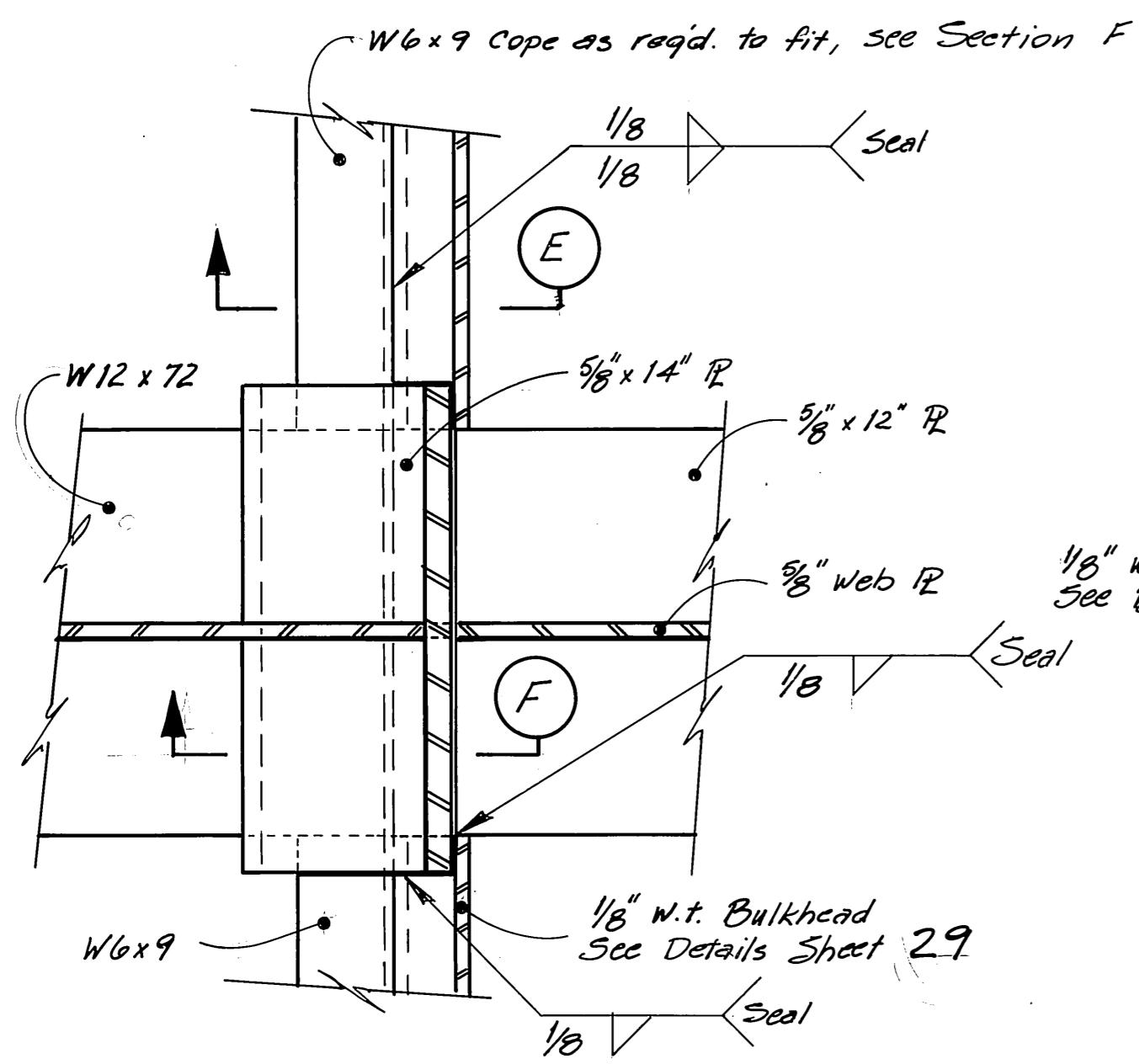
SECTION C
3 1/2" x 1"



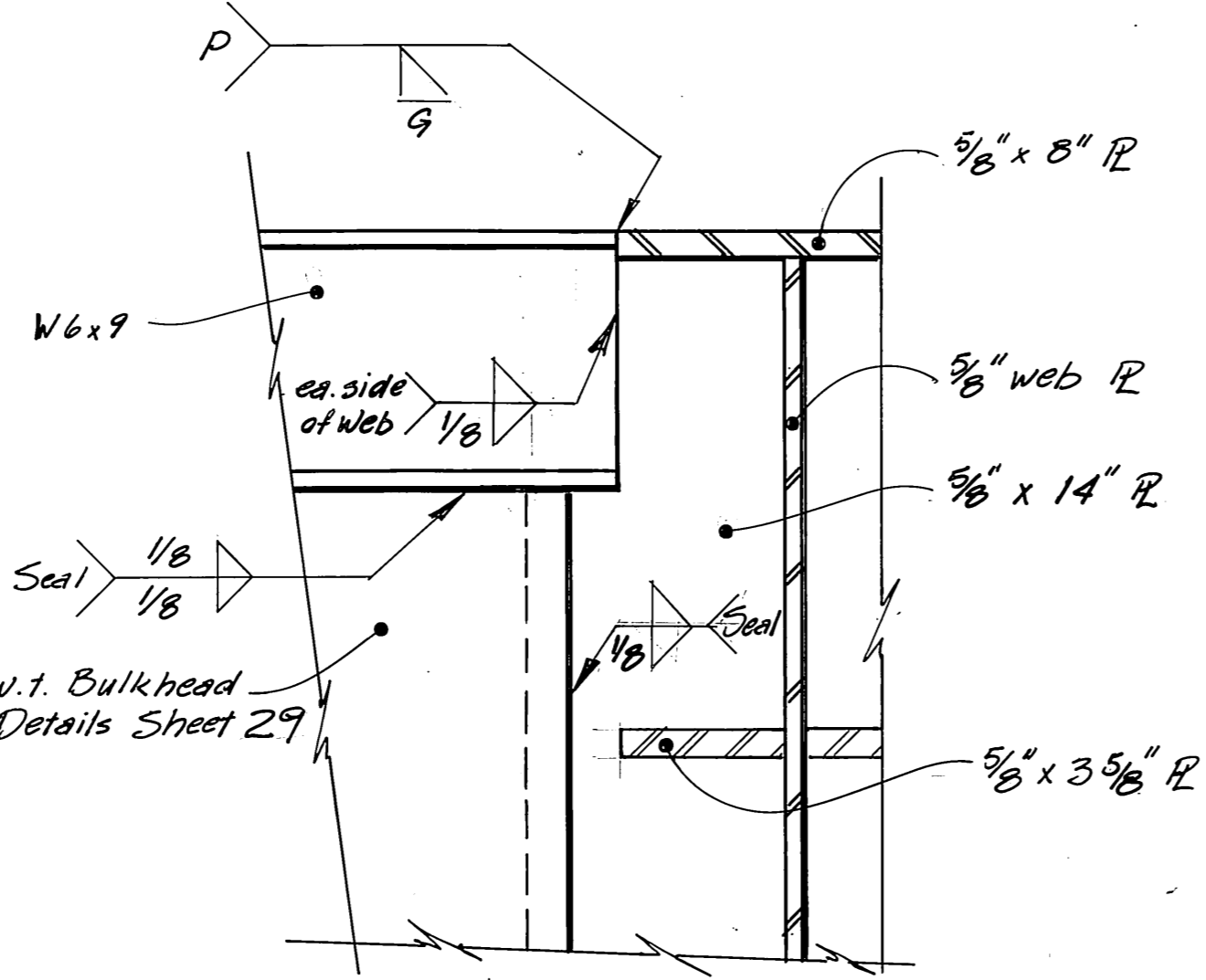
SECTION B
3 1/2" x 1" (From Sheet 25)



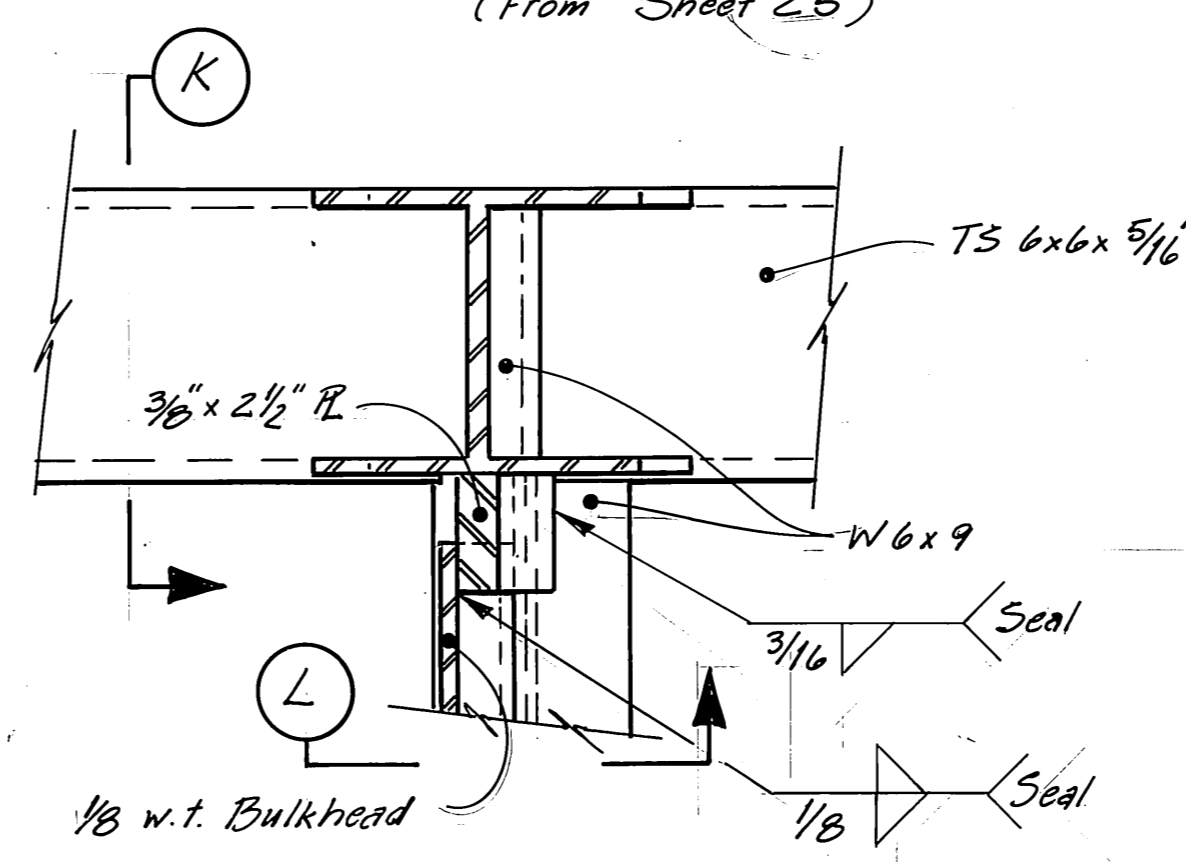
SECTION I
3 1/2" x 1"



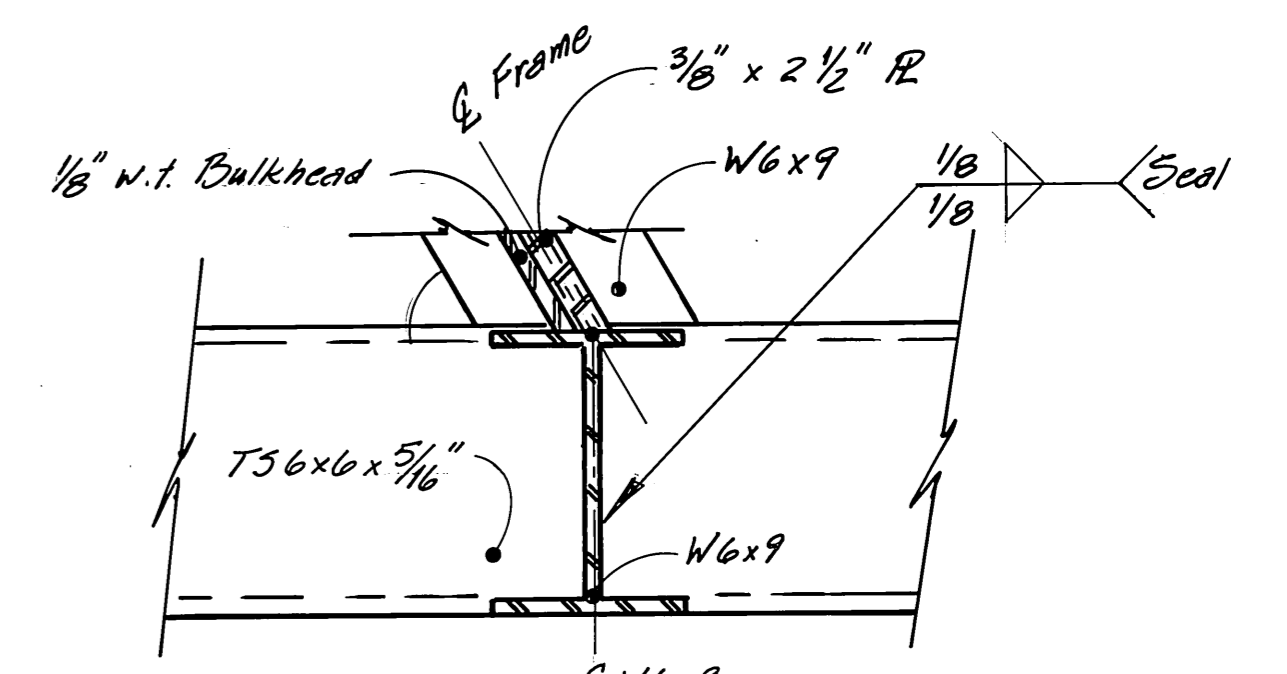
SECTION D
3 1/2" x 1"



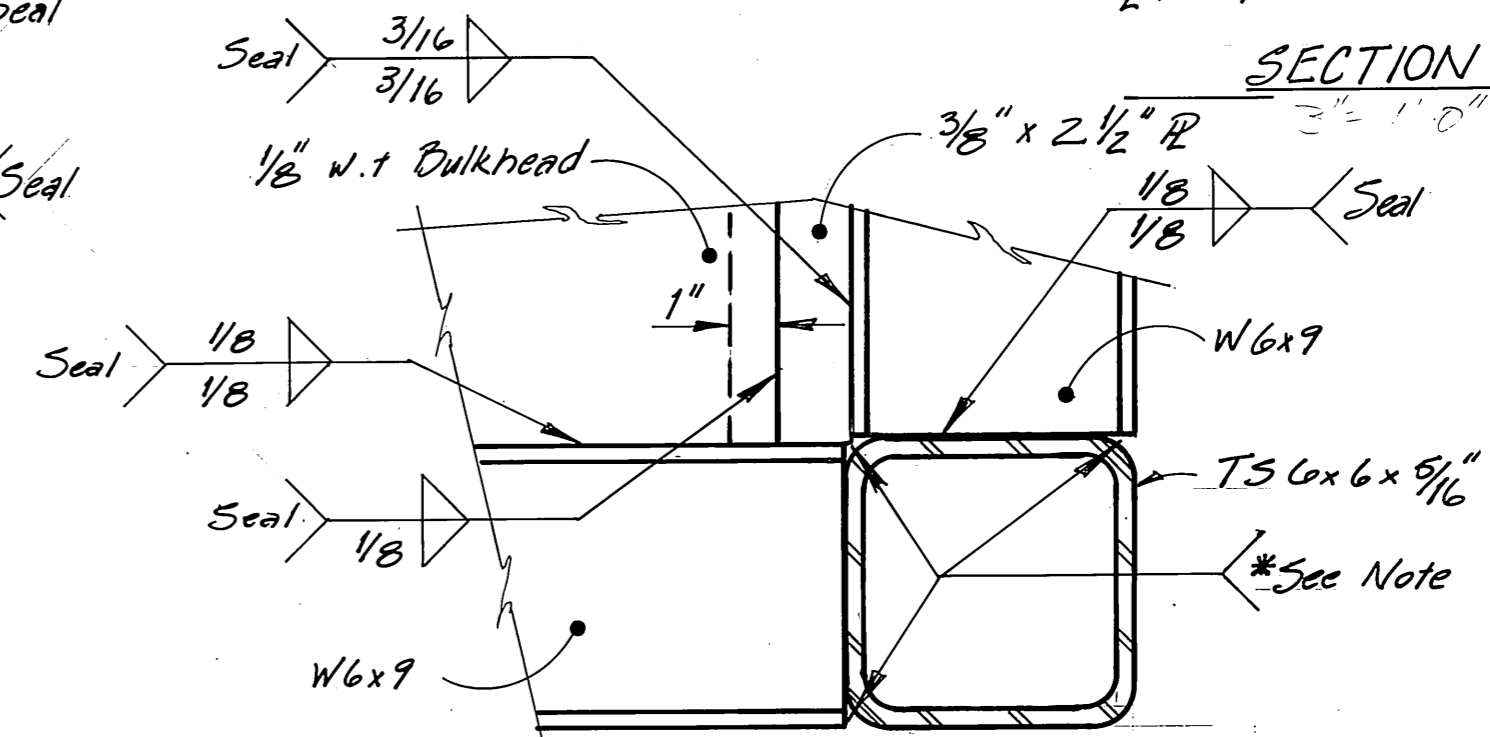
SECTION G
3 1/2" x 1"



SECTION J
3 1/2" x 1"

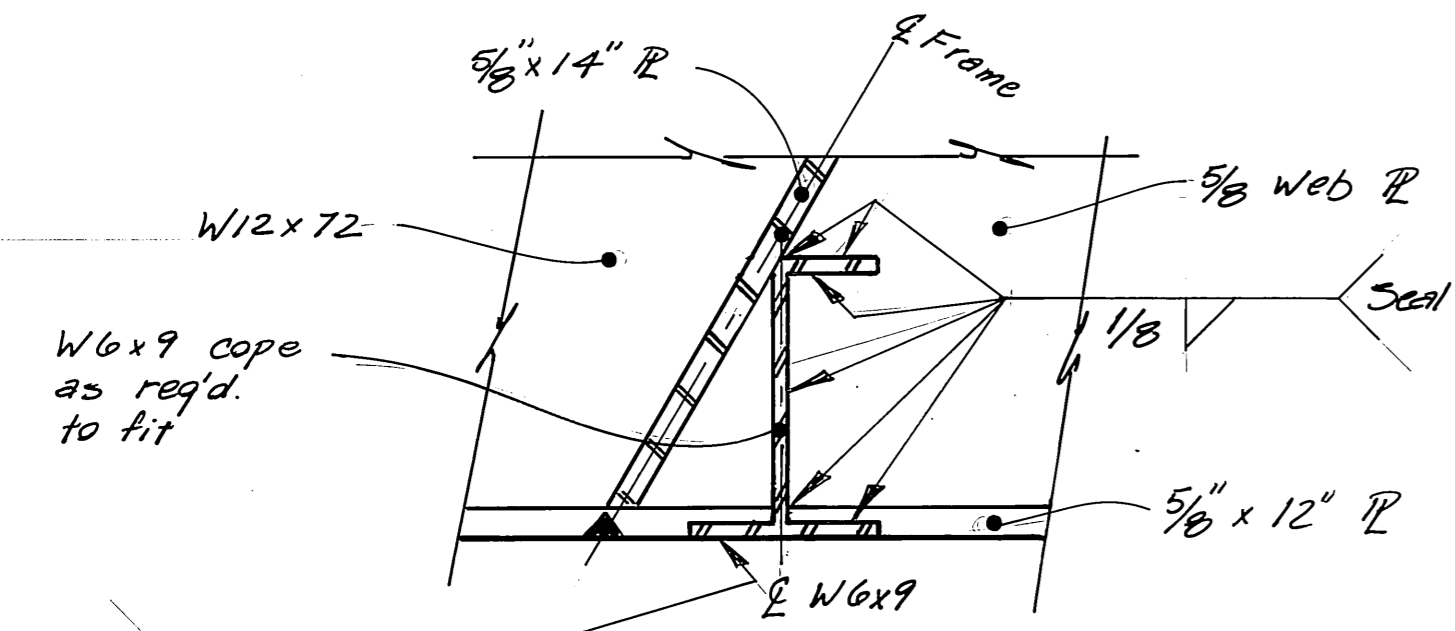


SECTION L
3 1/2" x 1"

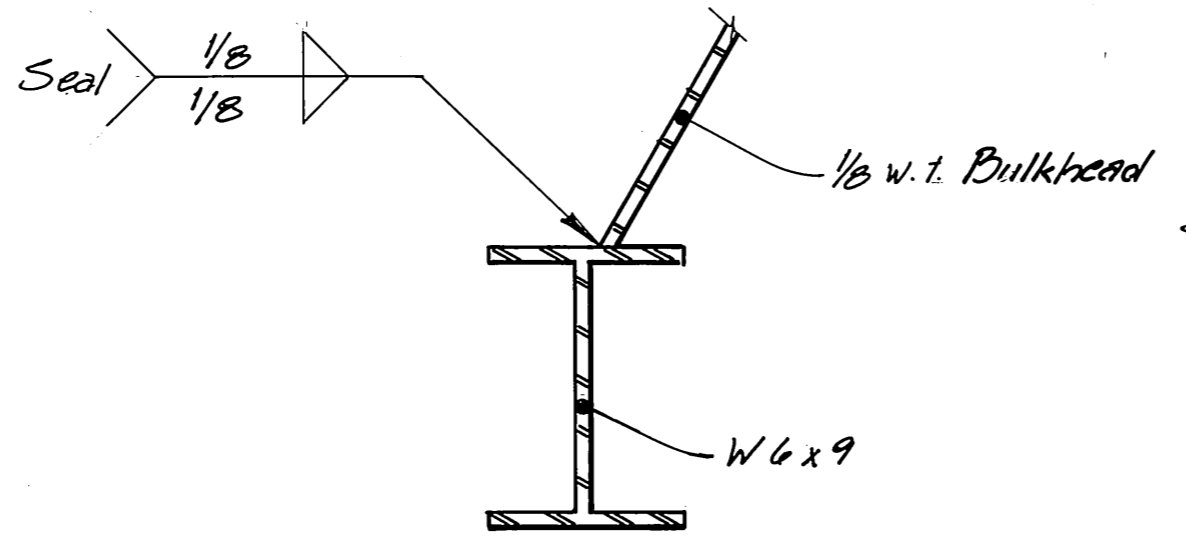


SECTION K
3 1/2" x 1"

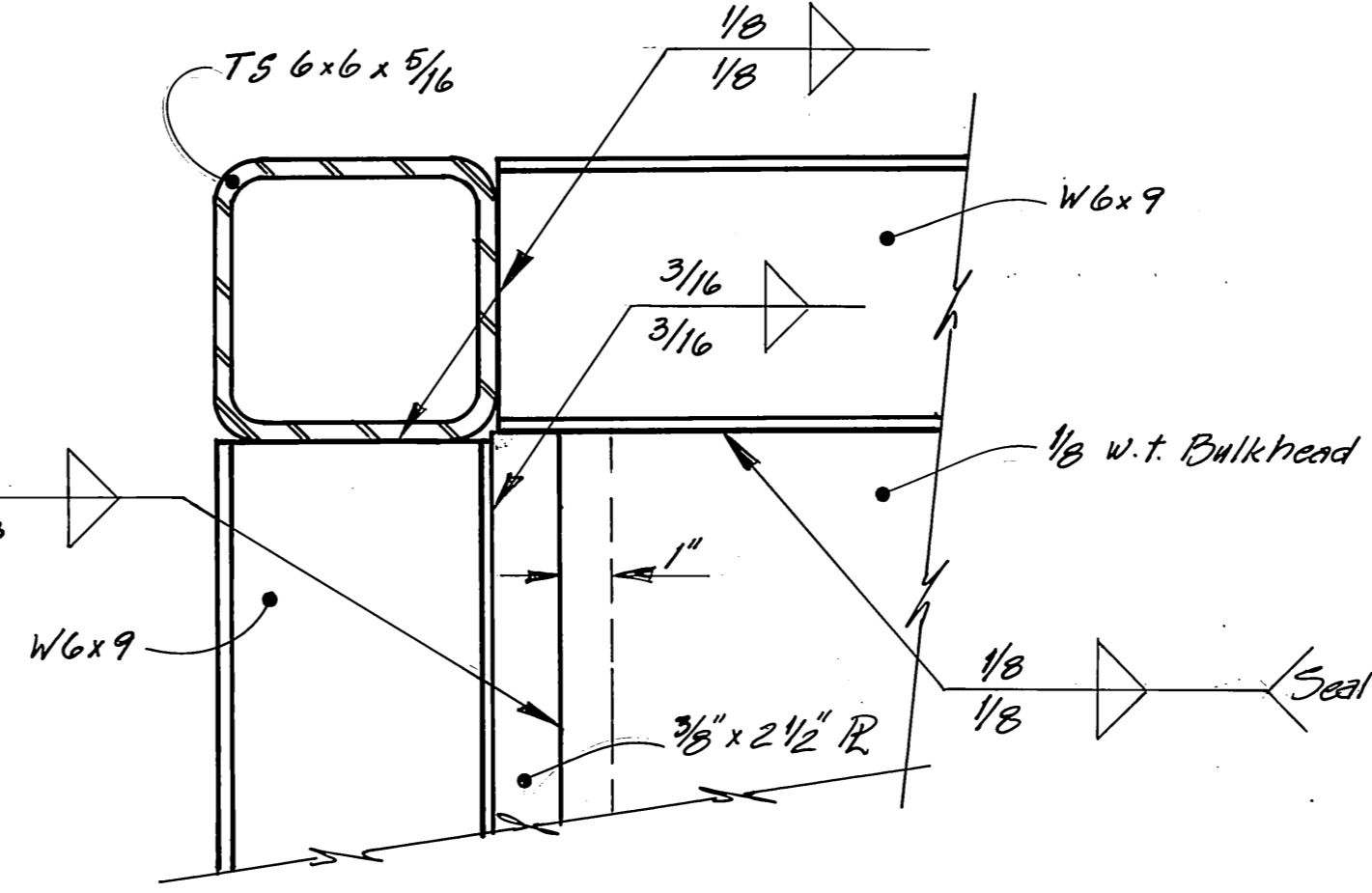
* Note: Size and type of weld to accommodate seal. On exterior, grind flush to insure proper fit up of hull panels and still maintain watertightness.



SECTION F
3 1/2" x 1"

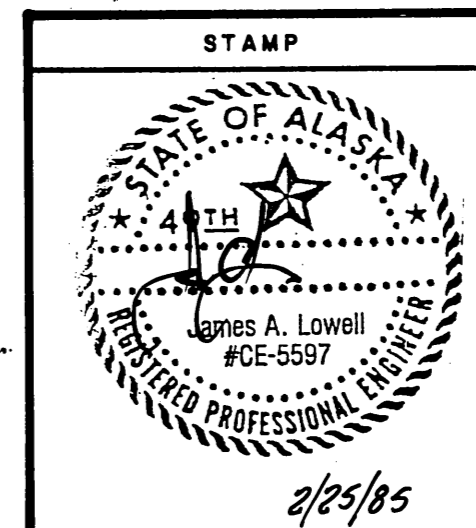


SECTION E
3 1/2" x 1"

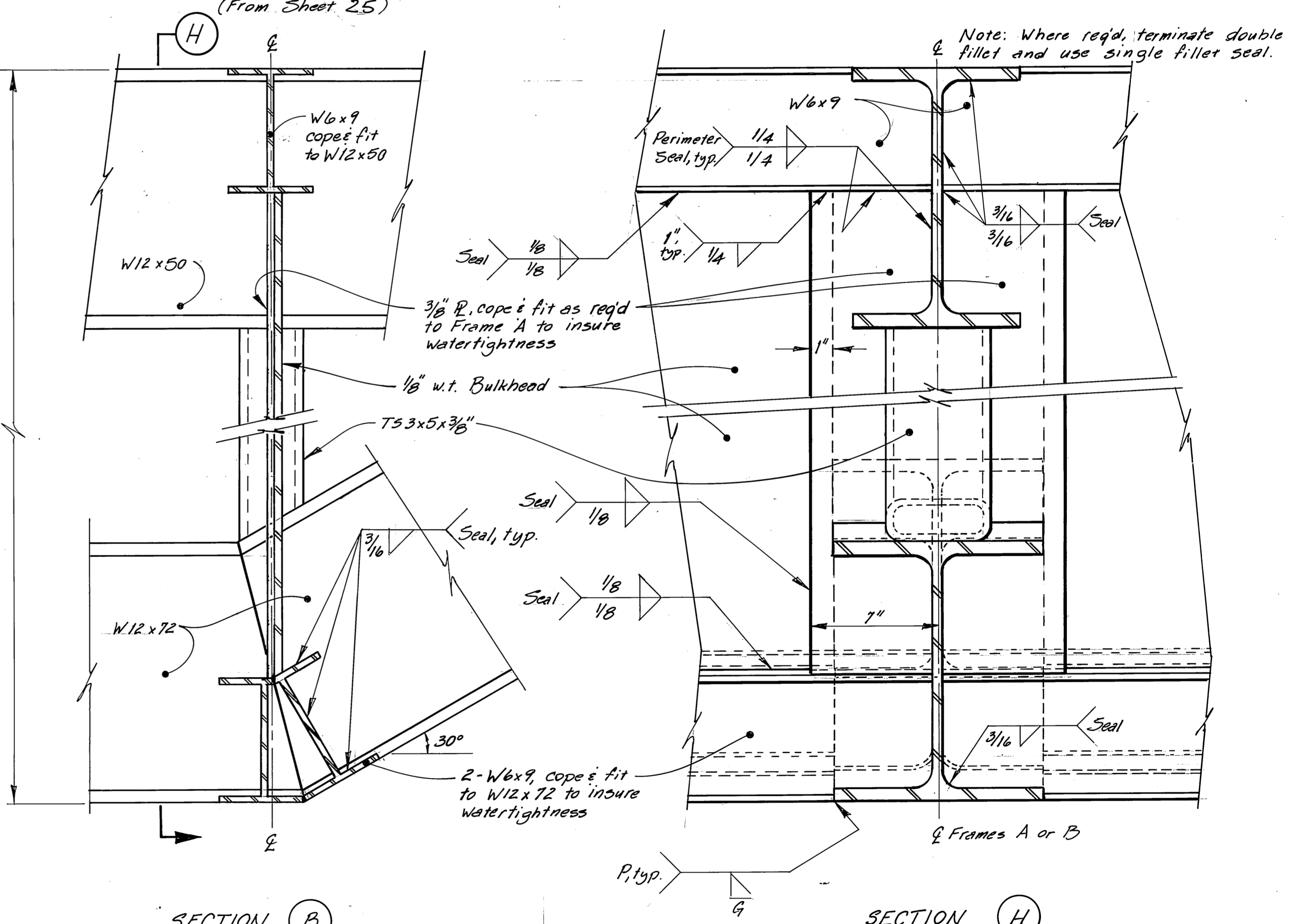
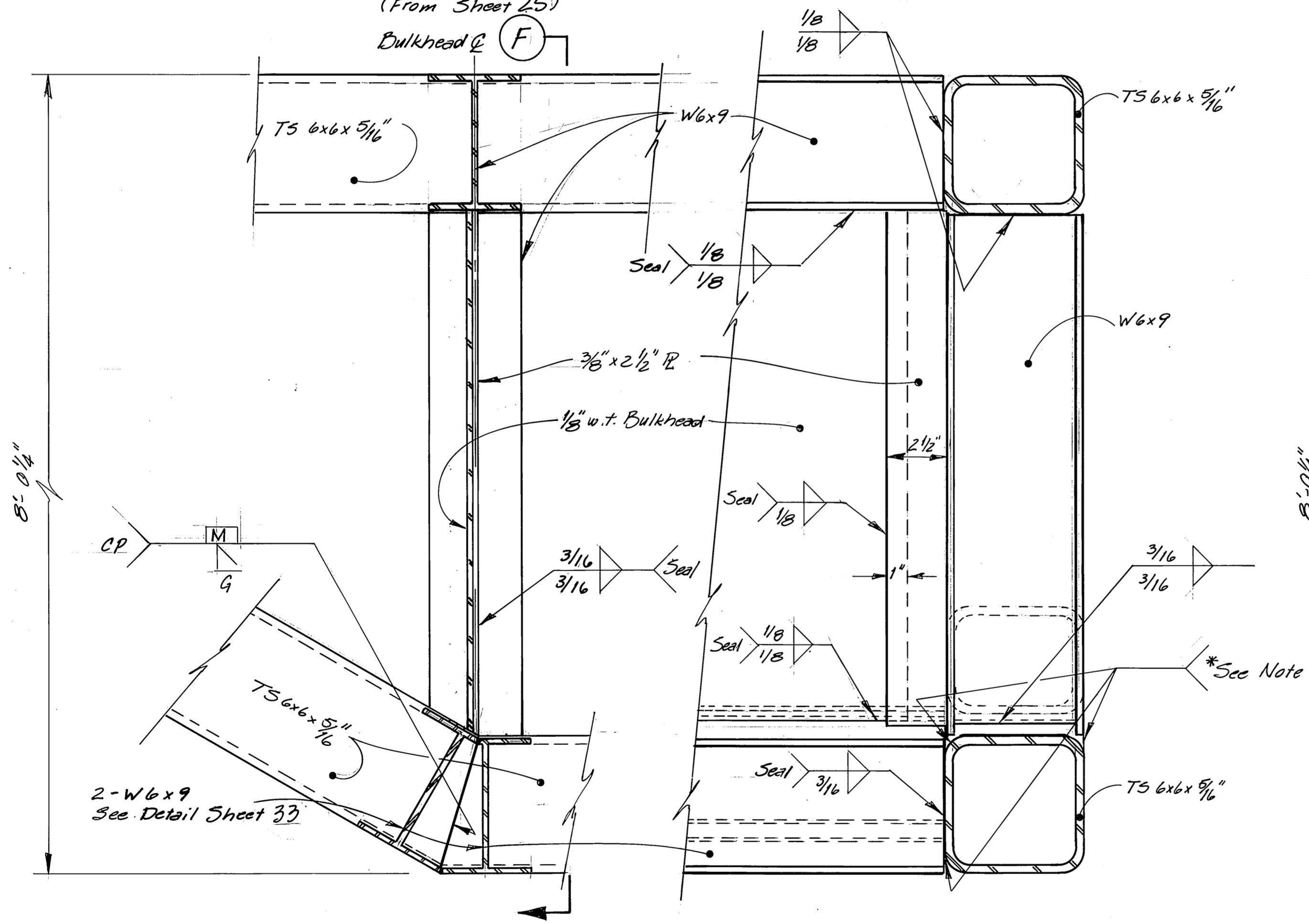
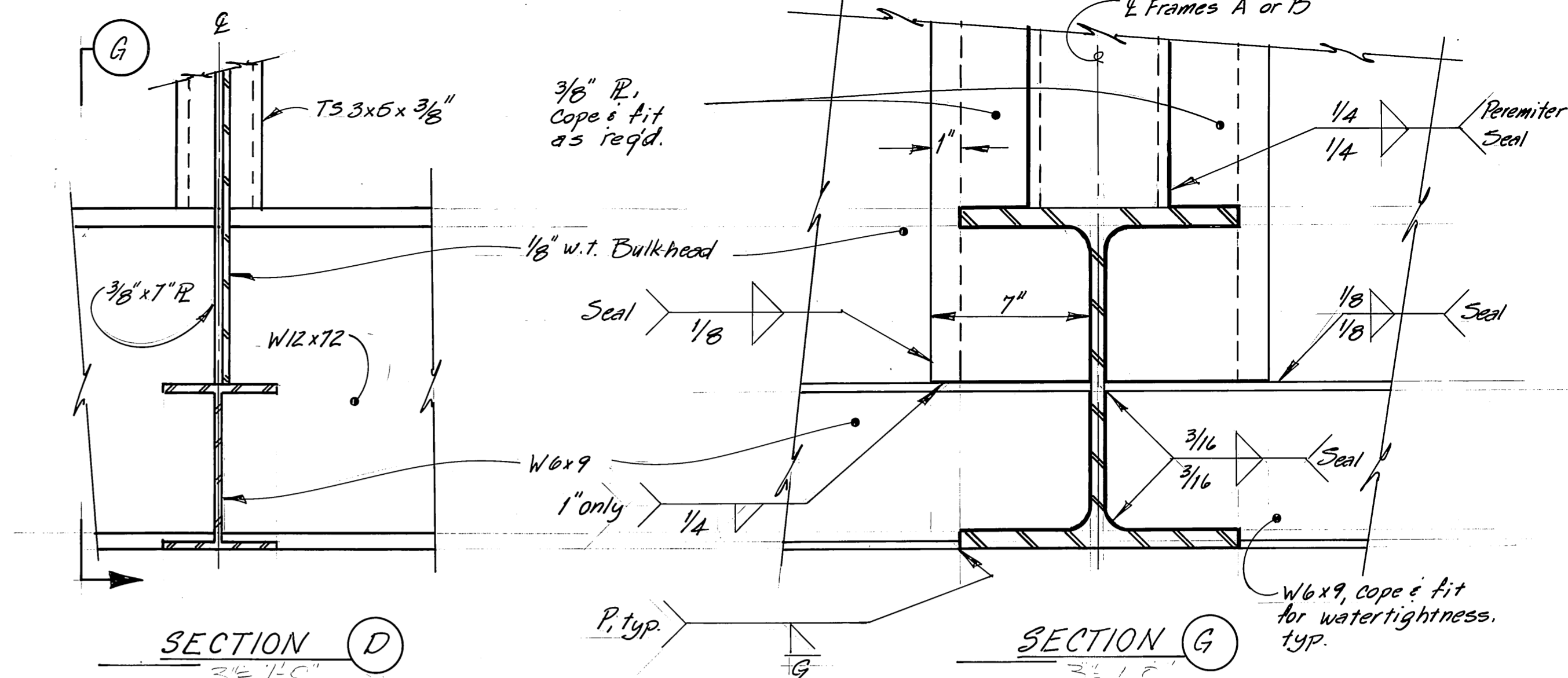
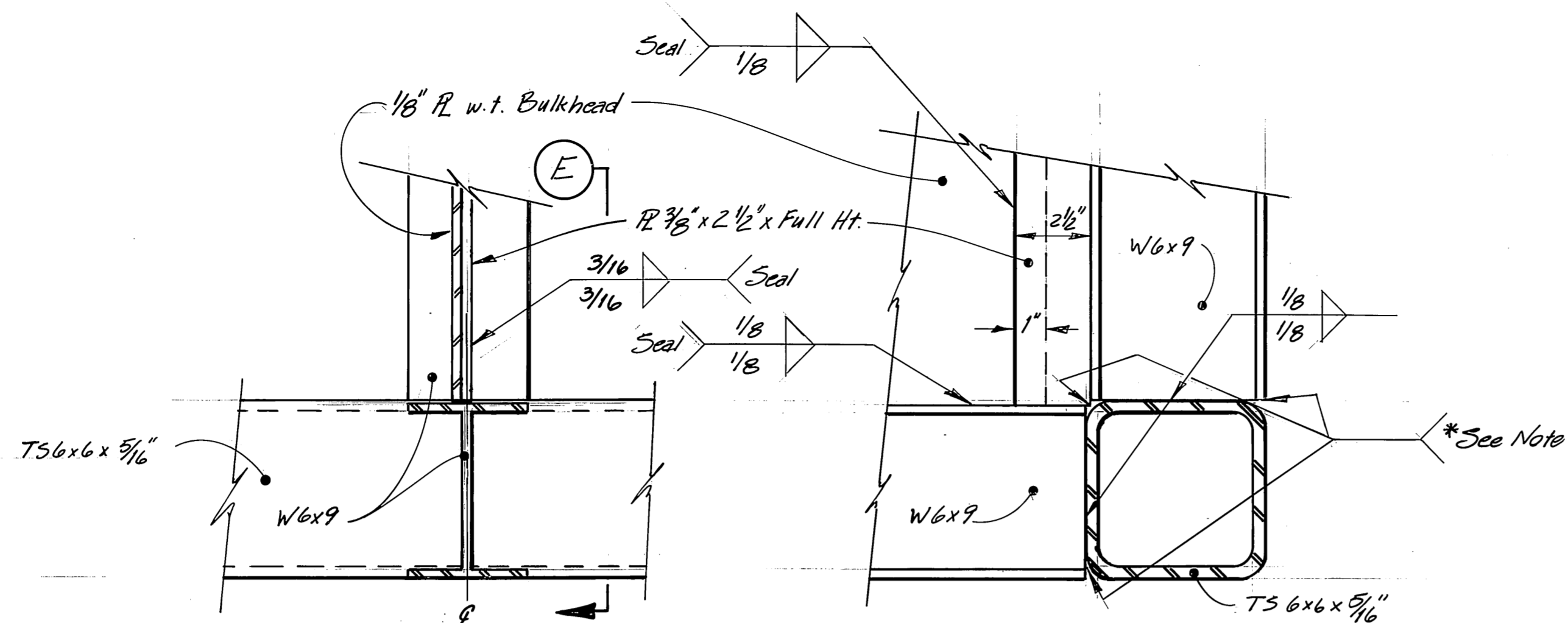


SECTION H
3 1/2" x 1"

AS BUILT
See Attachment P.23
Mark Salomon 1/24/89



DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
STATE OF ALASKA			
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
Sitka		Alaska	
DETAILS FRAMES 1 : 7			
DESIGNED JAL	CHECKED JS	DRAWN JAL	DATE 3-84
PROJECT NUMBER RS-M-935 (2)	SHEET 26		OF 41

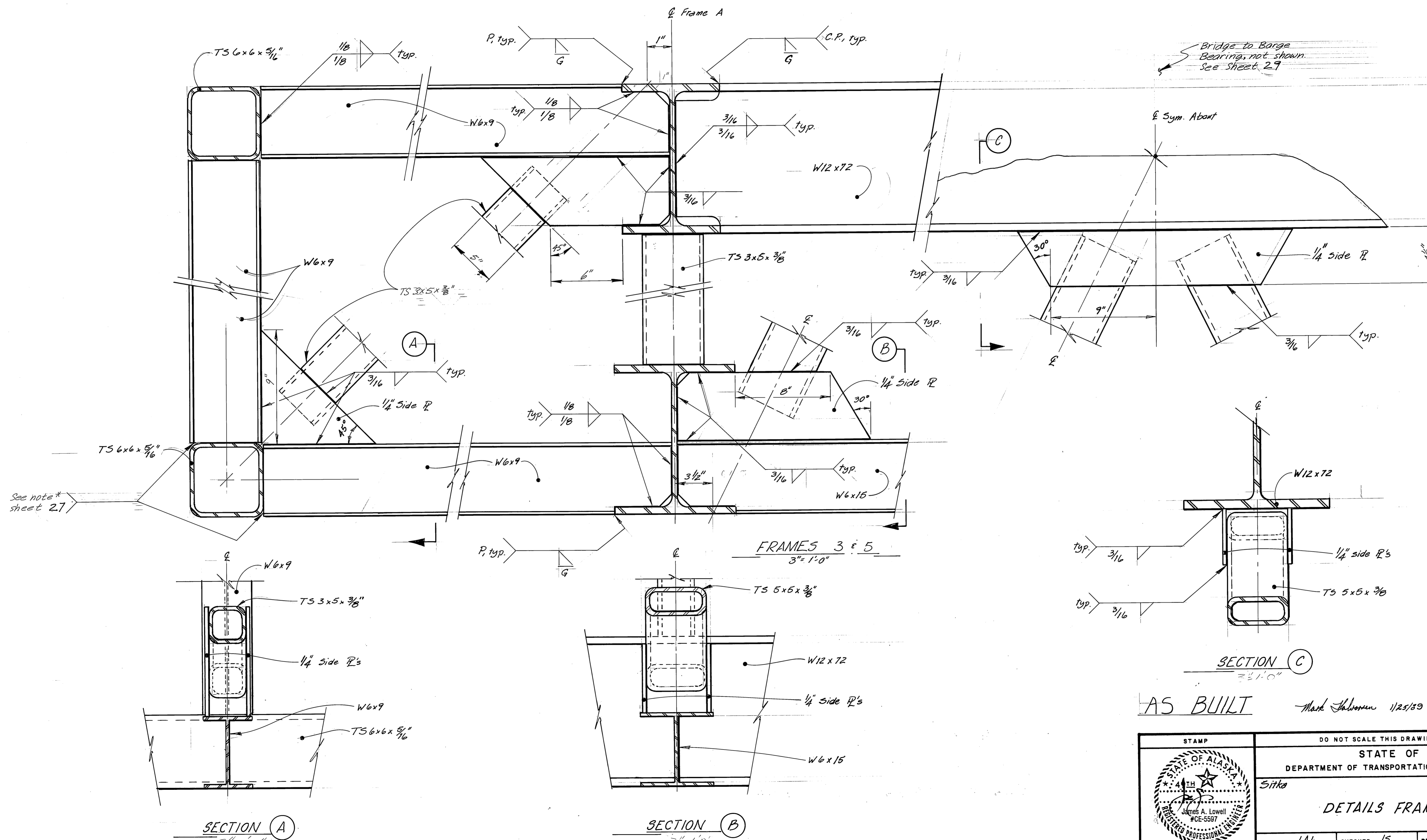


AS BUILT Mark Salomon 1/24/89

* 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.

See Attachment P.23

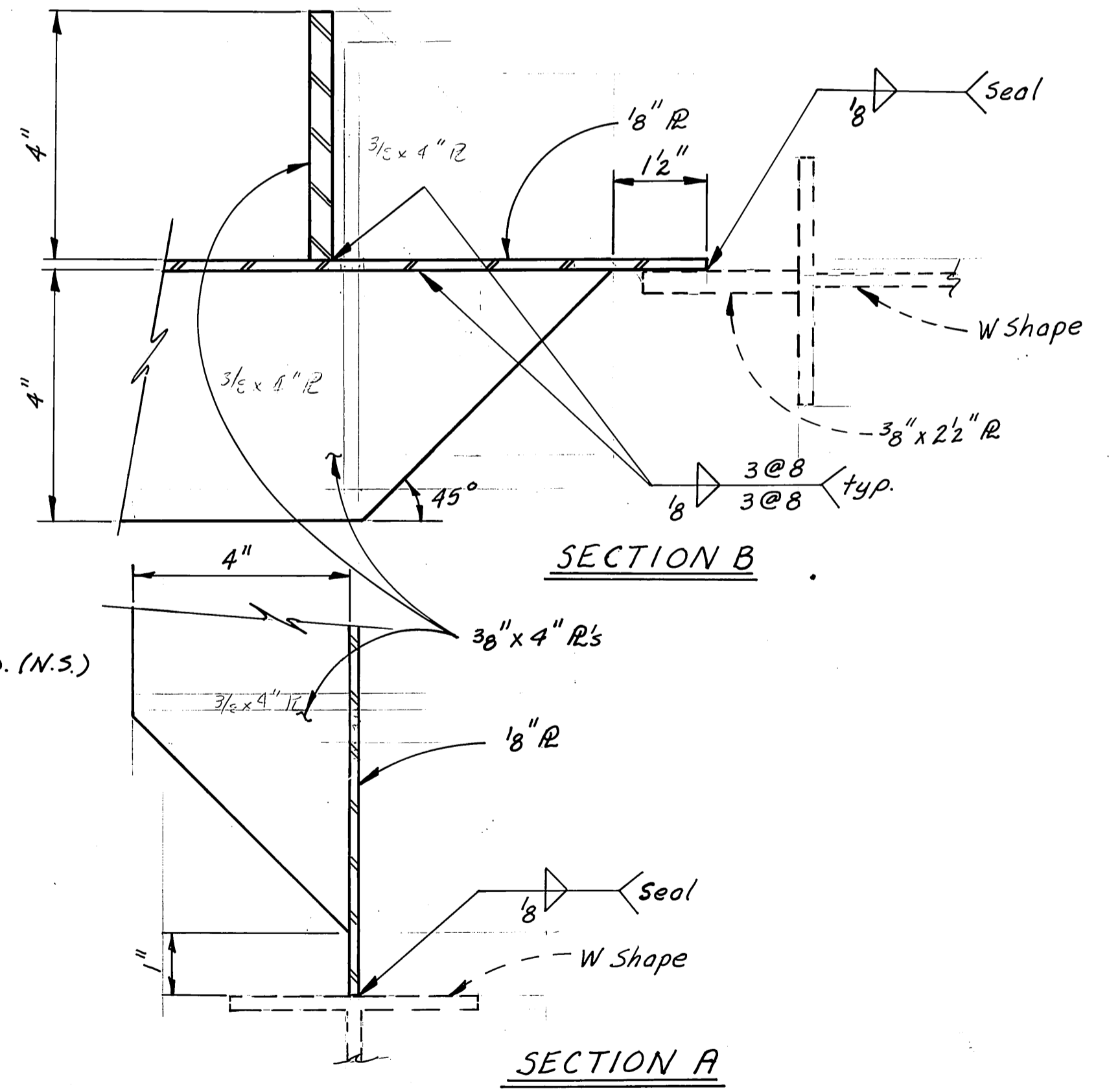
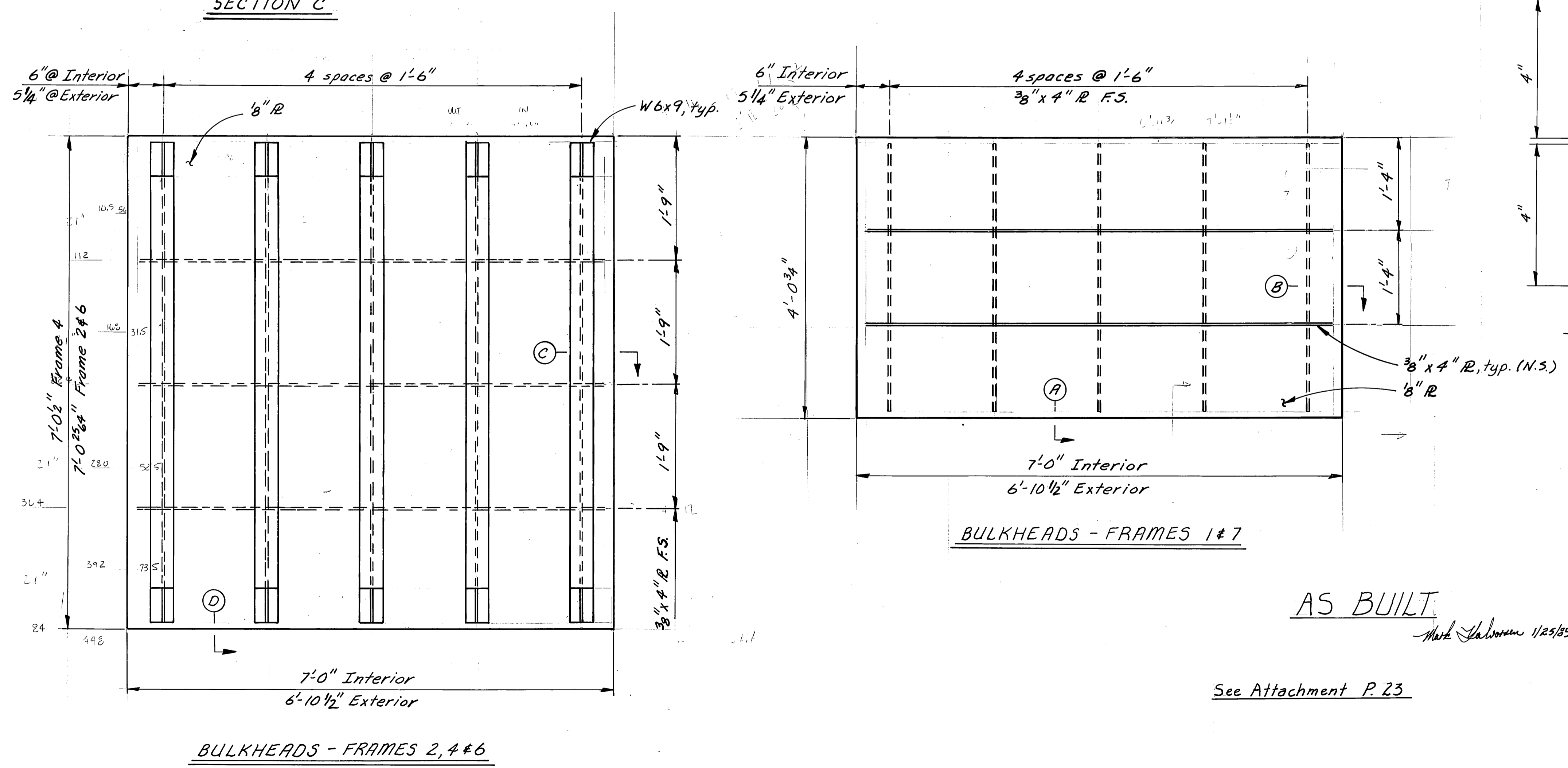
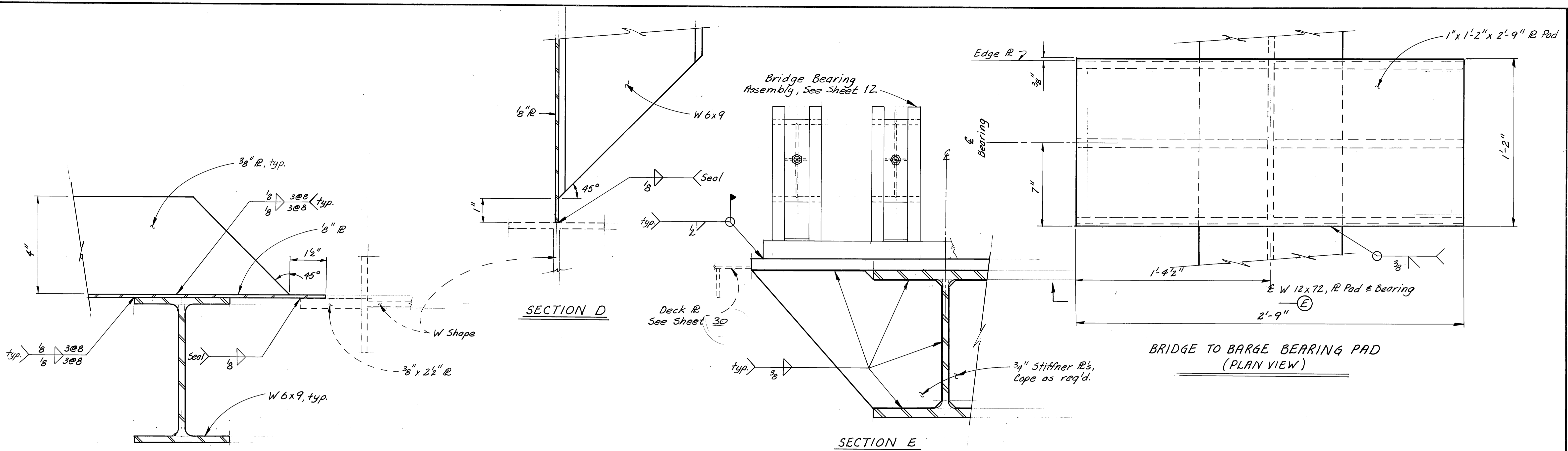
STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA 4th DISTRICT James A. Lowell #CE-5597 REGISTERED PROFESSIONAL ENGINEER 2/29/85		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES Sitka Alaska	
DETAILS FRAMES 2, 4 & 6			
DESIGNED JAL	CHECKED JS	DRAWN JAL	DATE 3-84
PROJECT NUMBER RS-M-935 (9)	SHEET 27		OF 41



STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
Sitka		Alaska	
DETAILS FRAMES 3 & 5			
DESIGNED JAL	CHECKED JS	DRAWN JAL	DATE 3-84
PROJECT NUMBER R5-M-935(9)	SHEET 28		OF 41



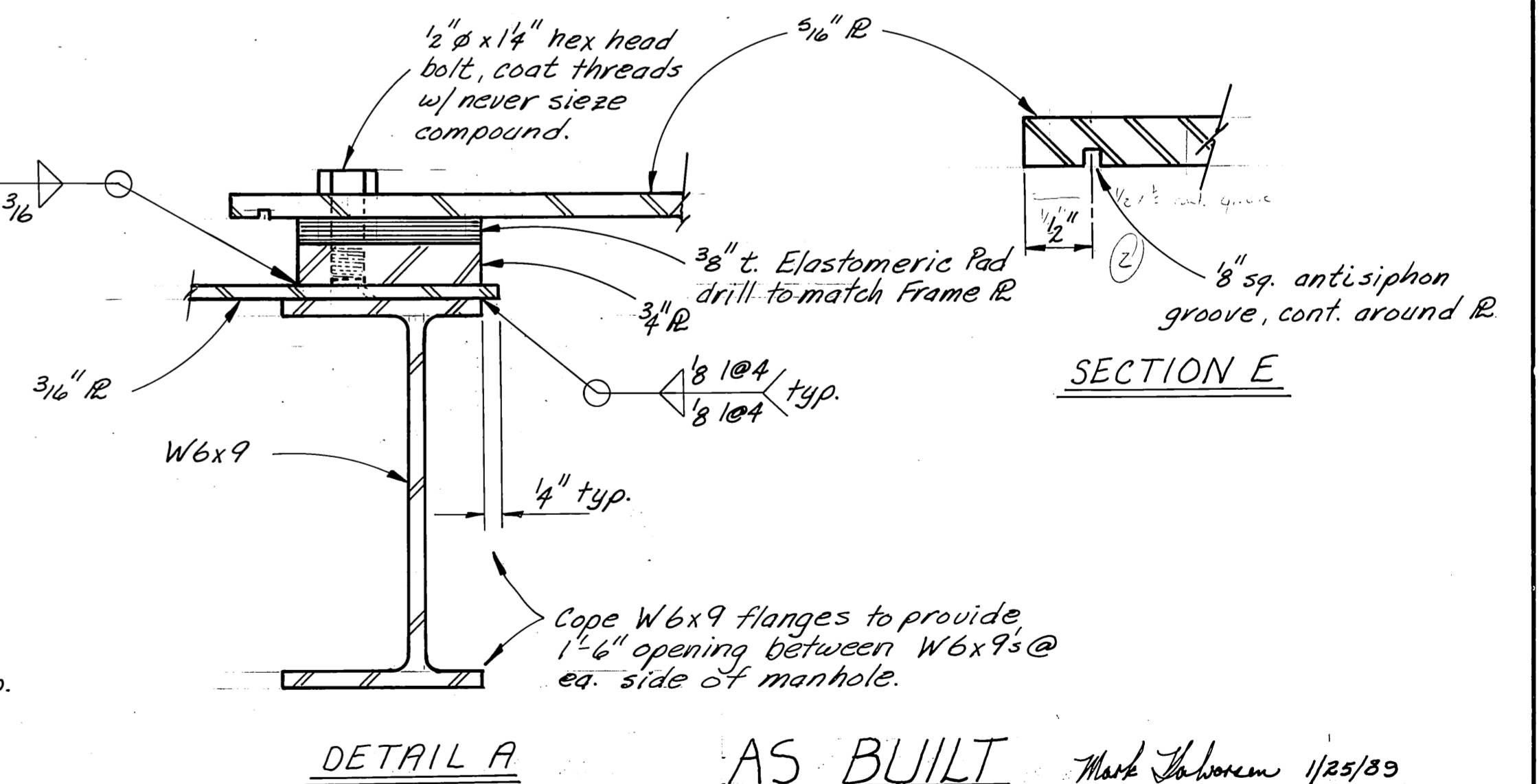
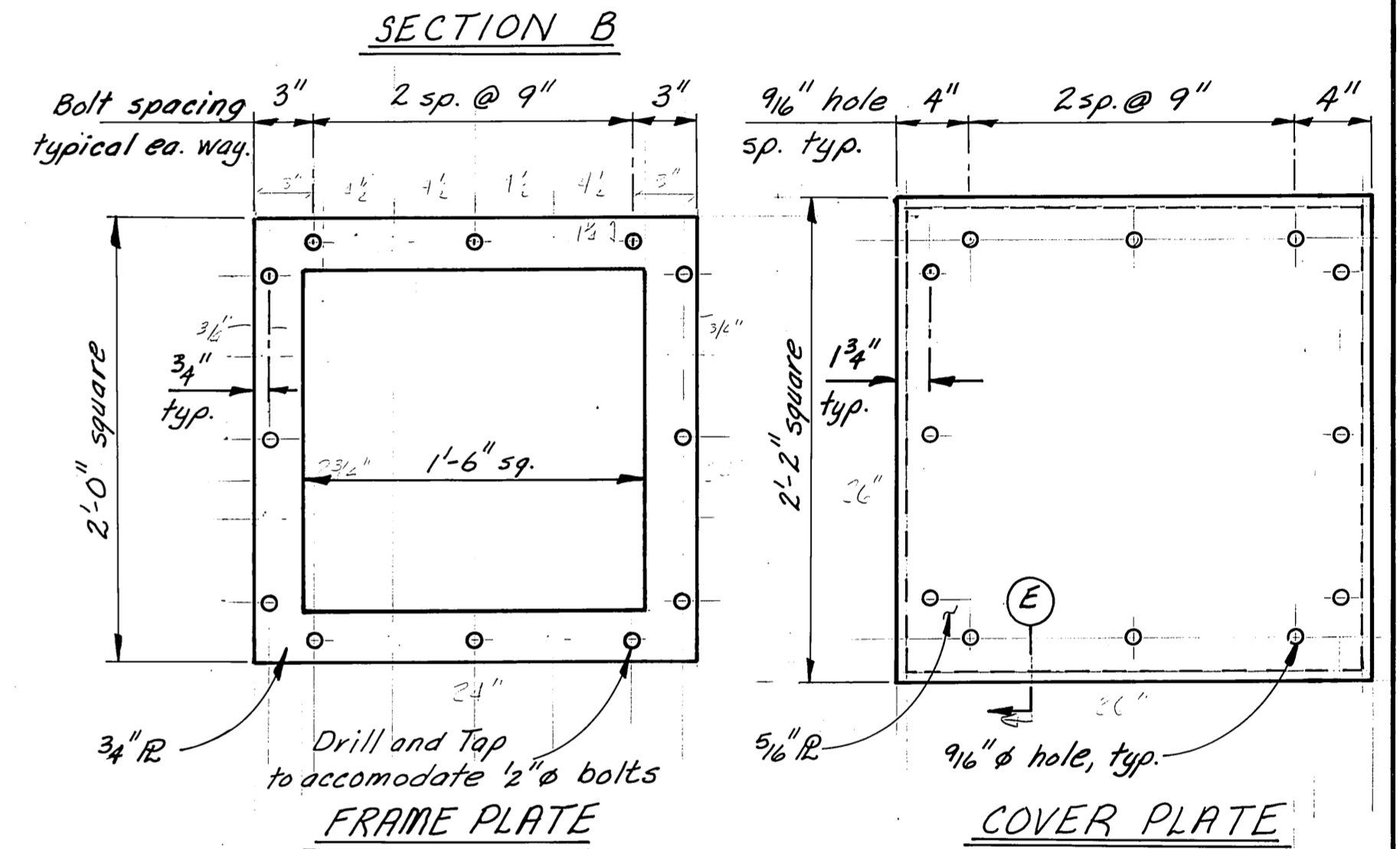
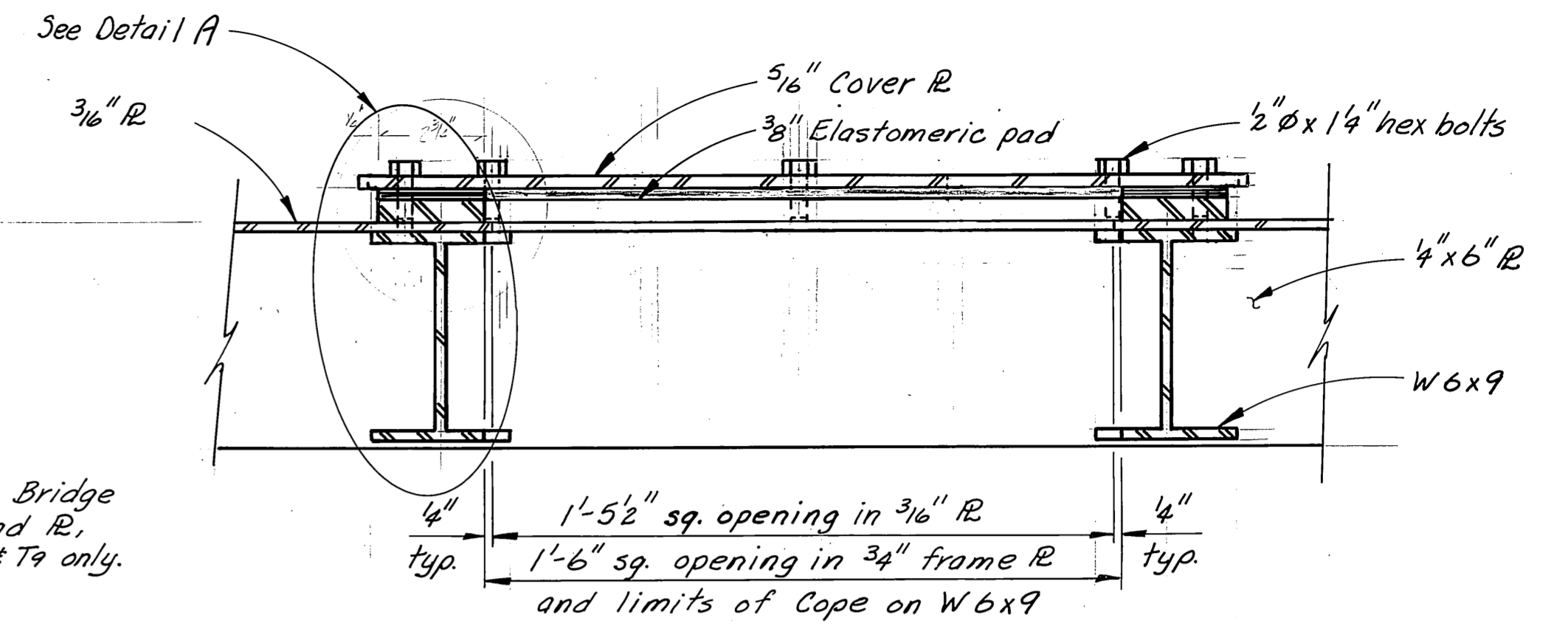
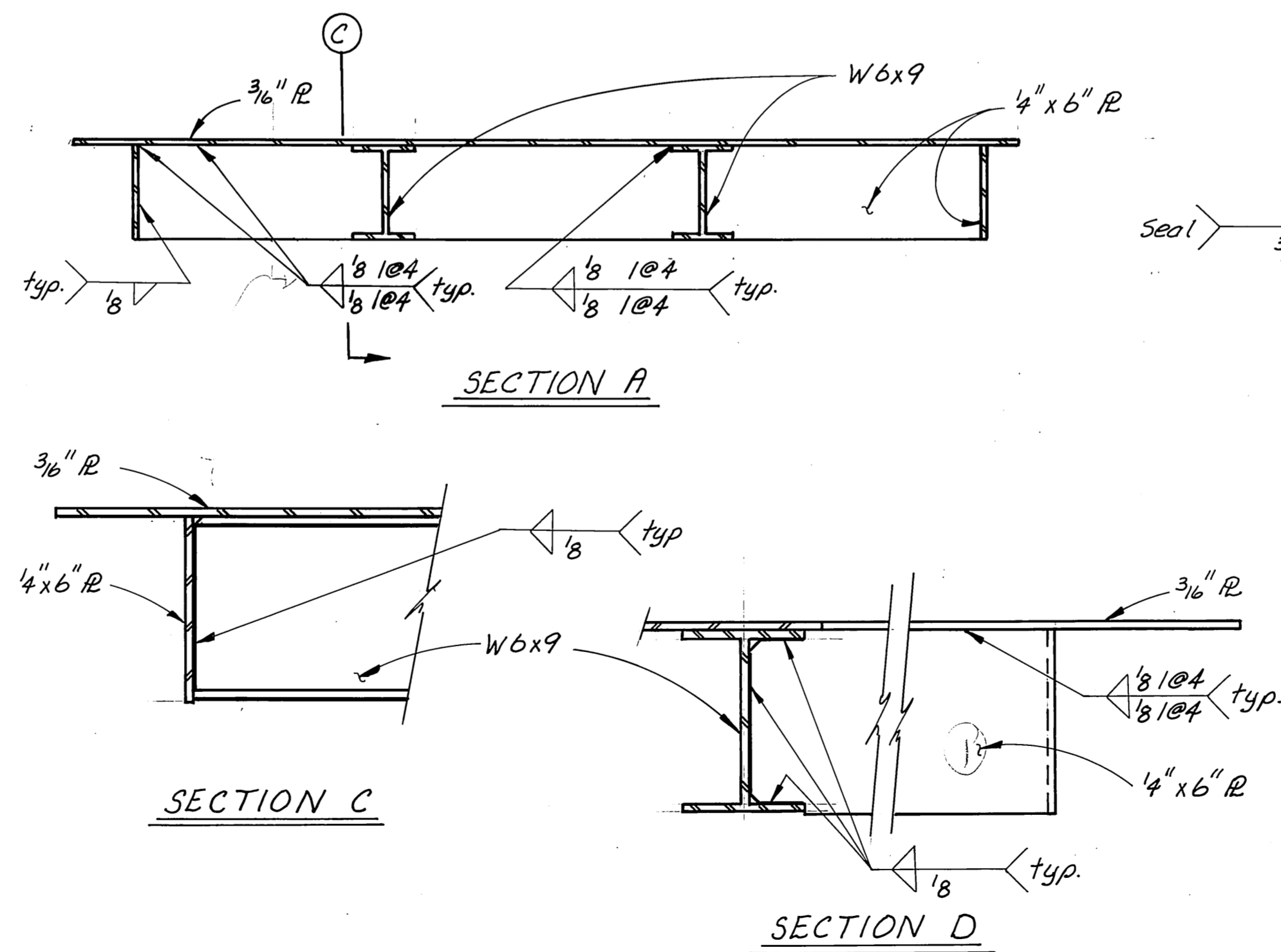
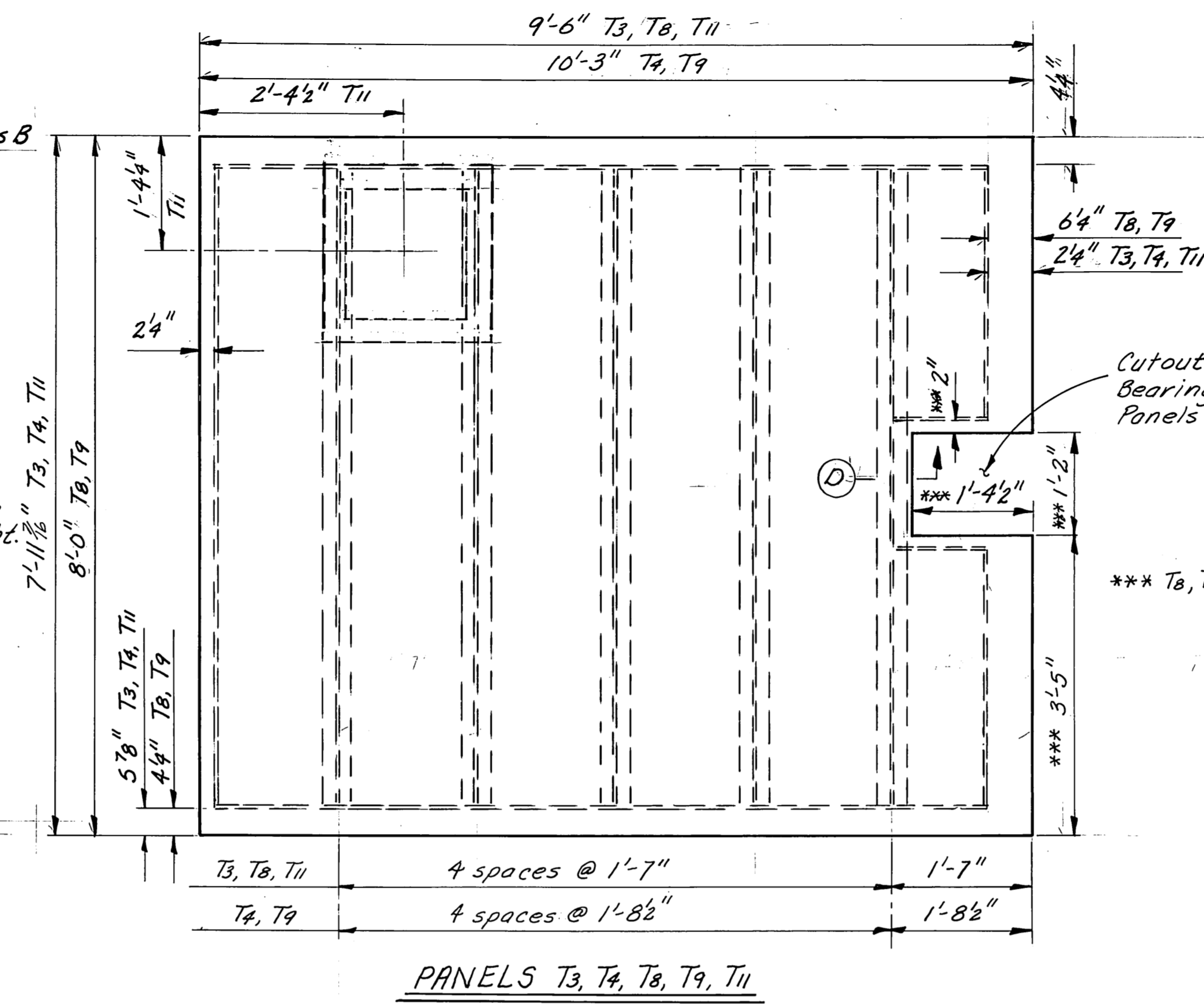
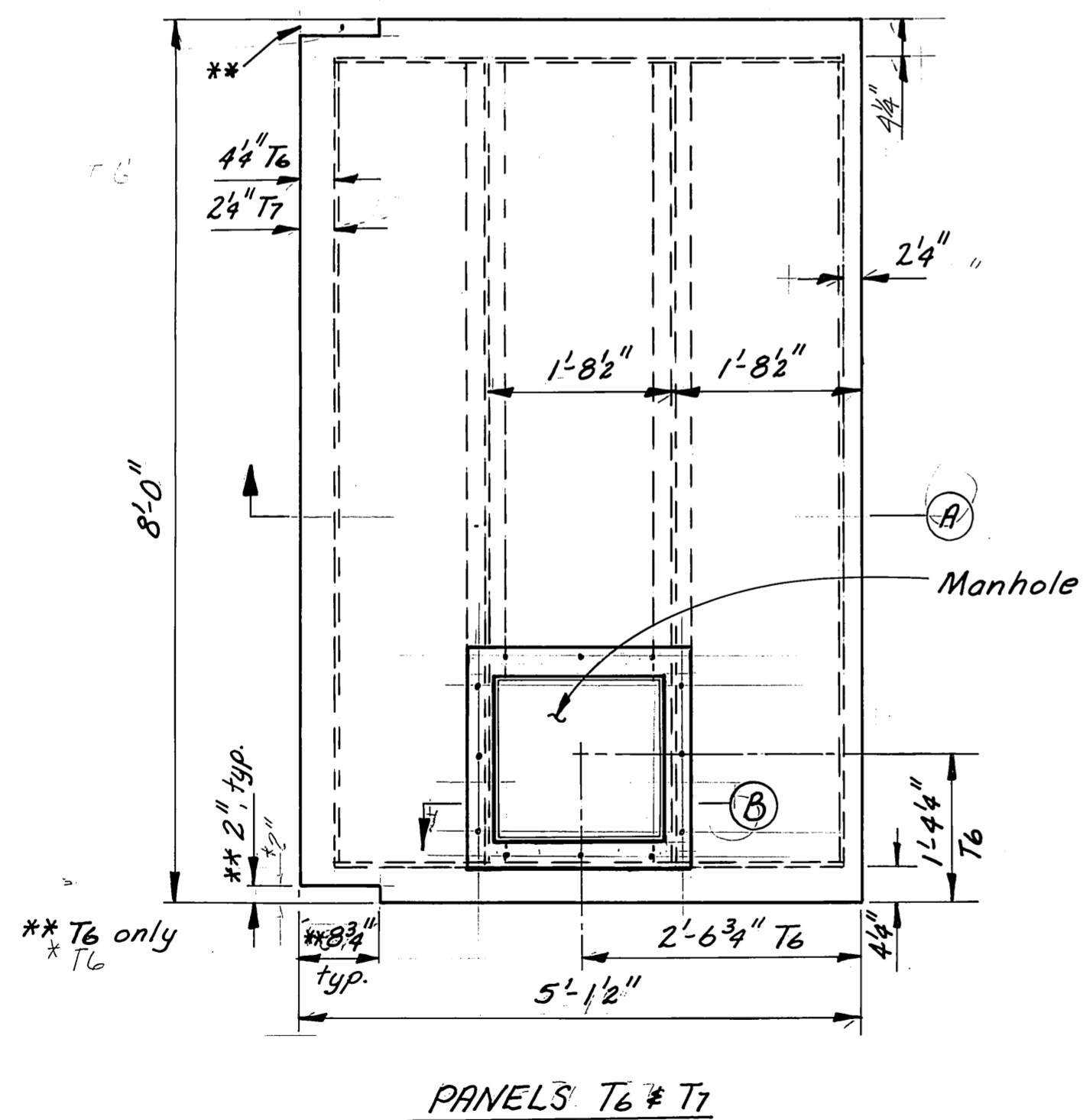
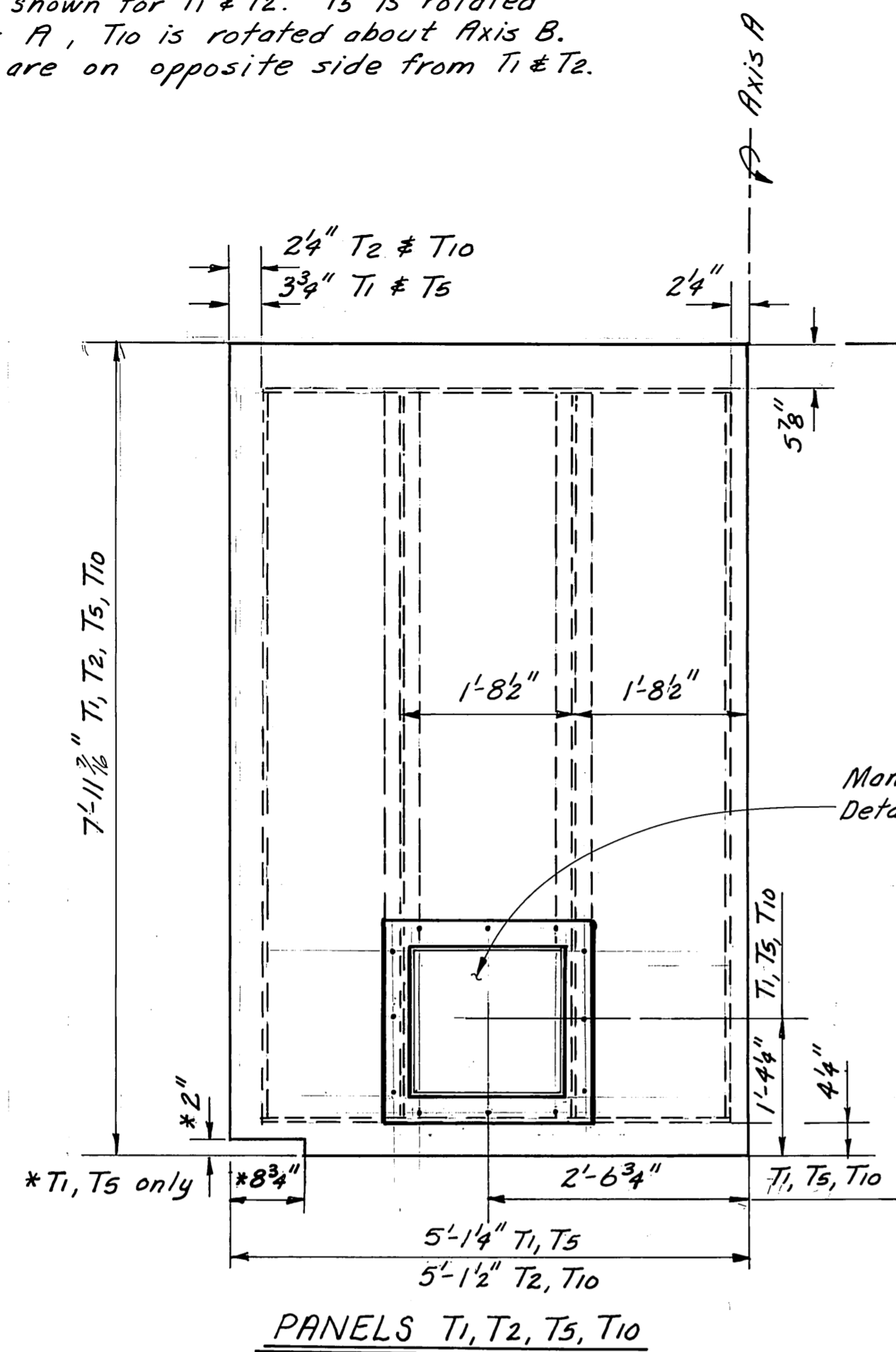
AS BUILT Mark Johnson 1/25/89



AS BUILT
 Mark Johnson 1/25/85
 See Attachment P. 23

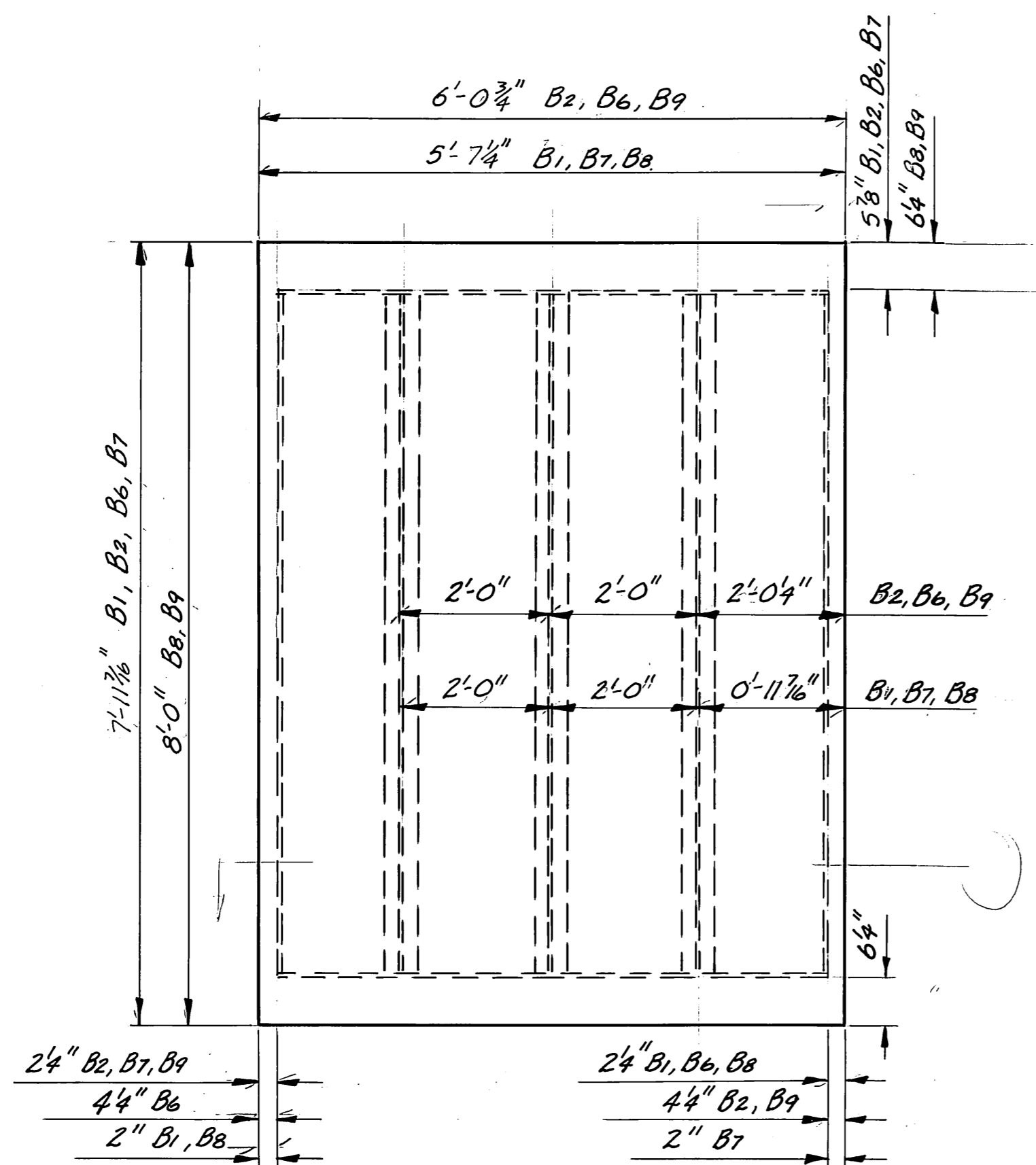
	DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
	STATE OF ALASKA			
	DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
	Sitka Alaska			
WATERTIGHT BULKHEADS				
& BRIDGE BEARING DETAILS				
DESIGNED JAL	CHECKED JS	DRAWN JS	DATE 3-84	
PROJECT NUMBER RS-M-935 (9)	SHEET 29 OF 41			

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.

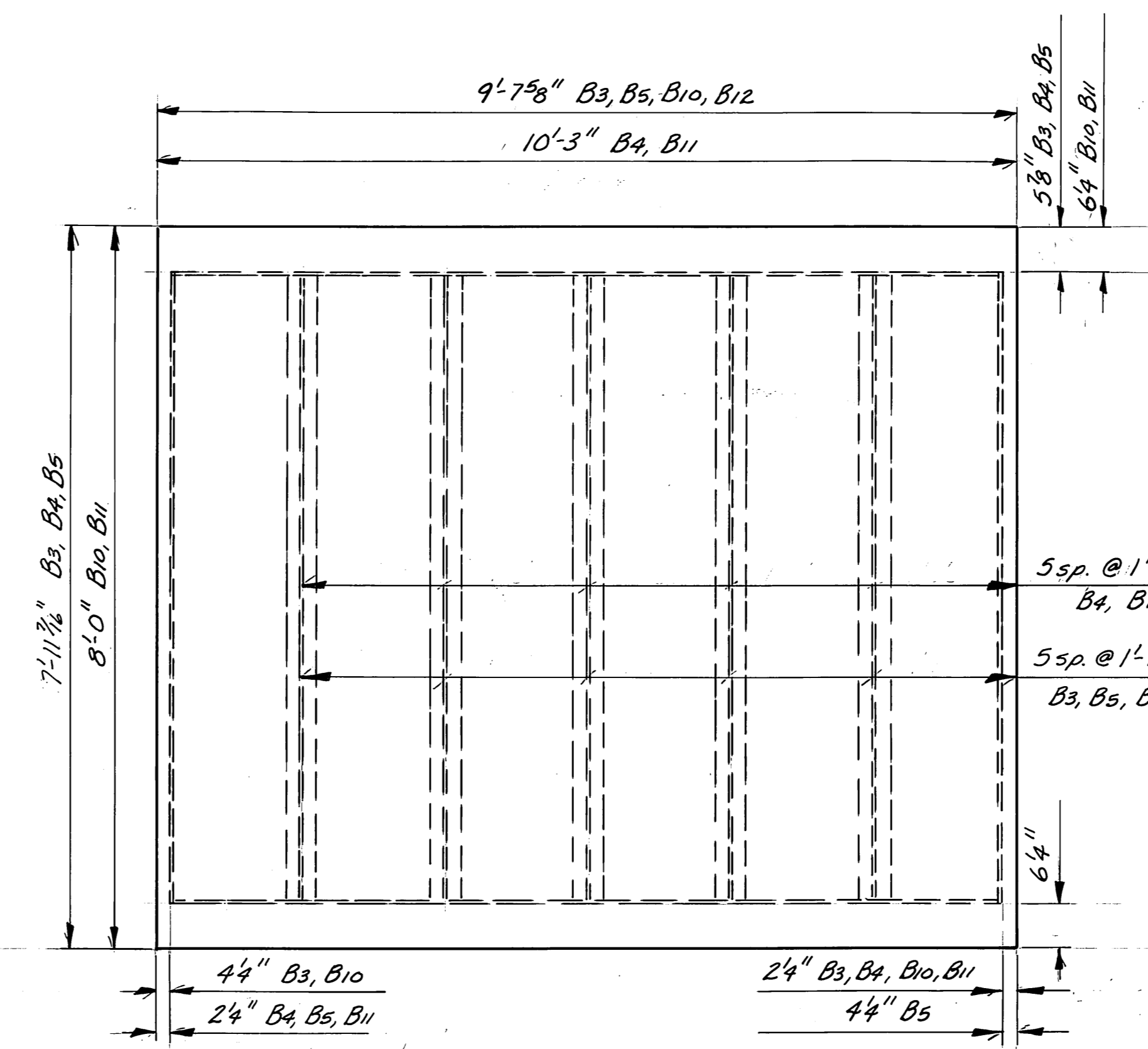


	DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
	STATE OF ALASKA			
	DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
	SITKA ALASKA			
PANELS T1 - T11				
AND MANHOLE DETAILS				
DESIGNED JAL	CHECKED JS	DRAWN JAL/JS	DATE 3-84	
PROJECT NUMBER RS-M-935(9)	SHEET 30		OF 41	

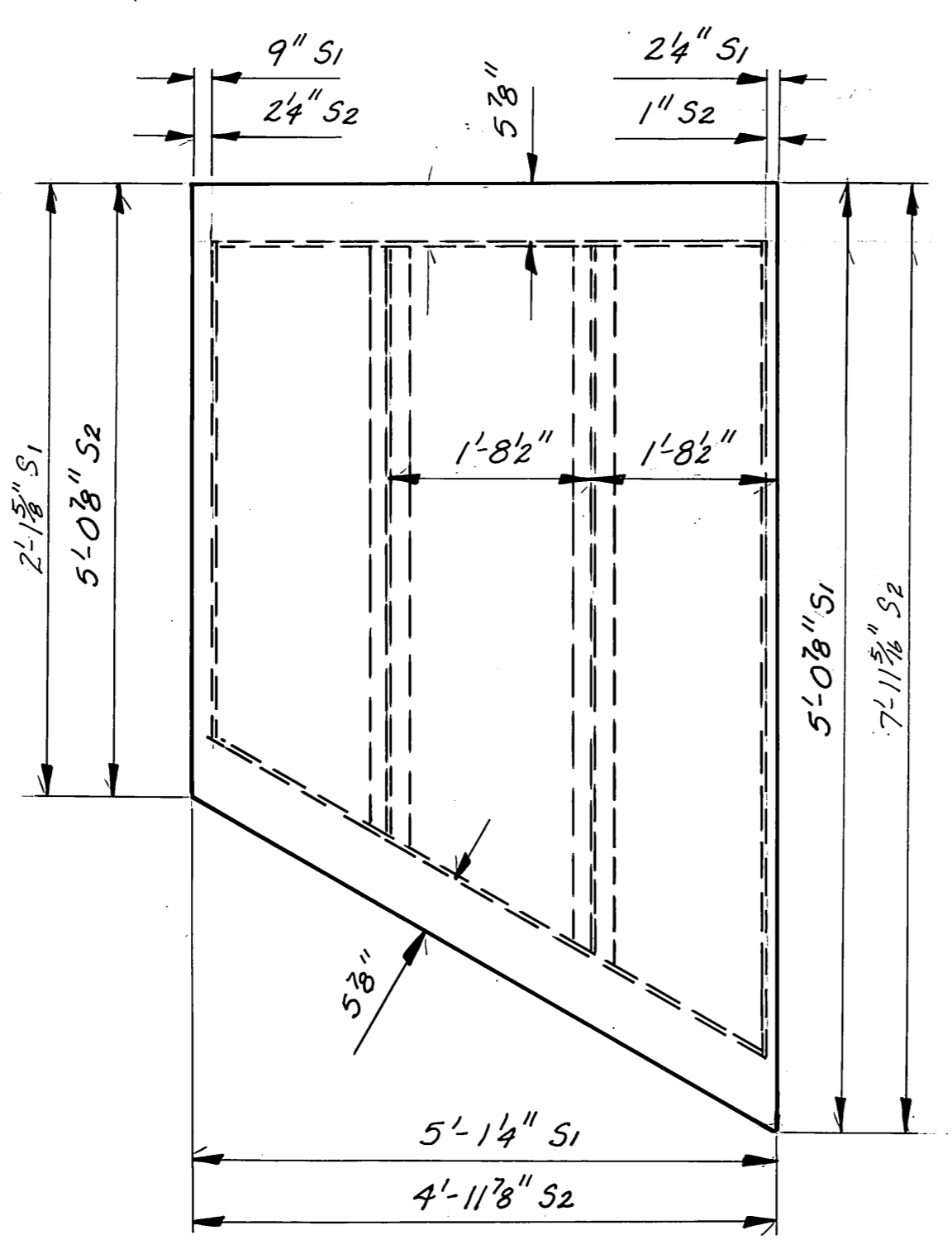
AS BUILT Mark Johnson 1/23/89



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

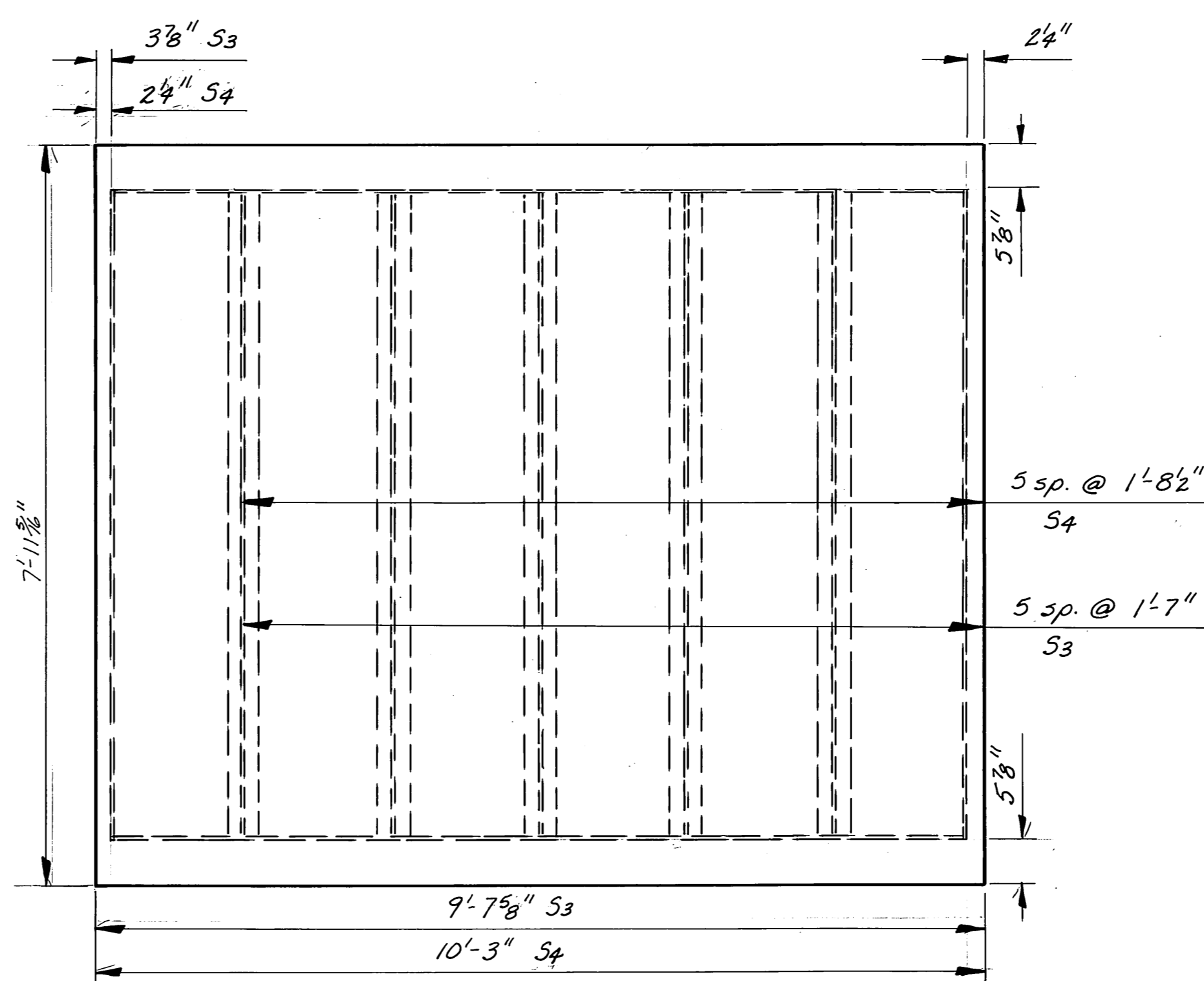


PANELS B3, B4, B5, B10, B11



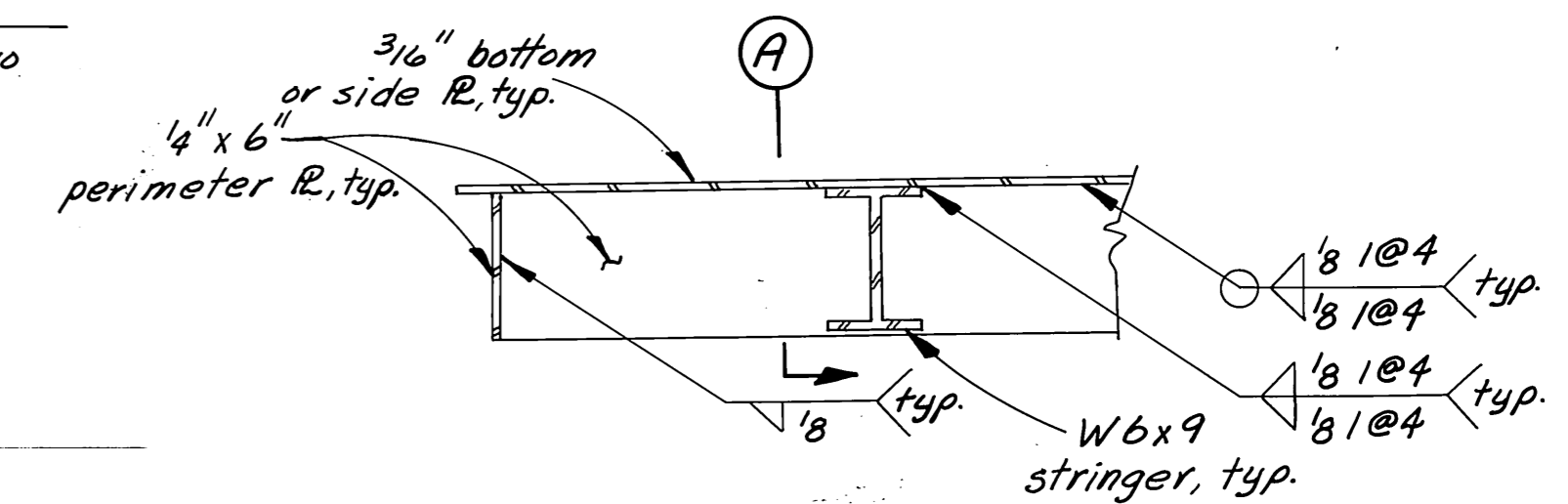
PANELS S1, S2

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

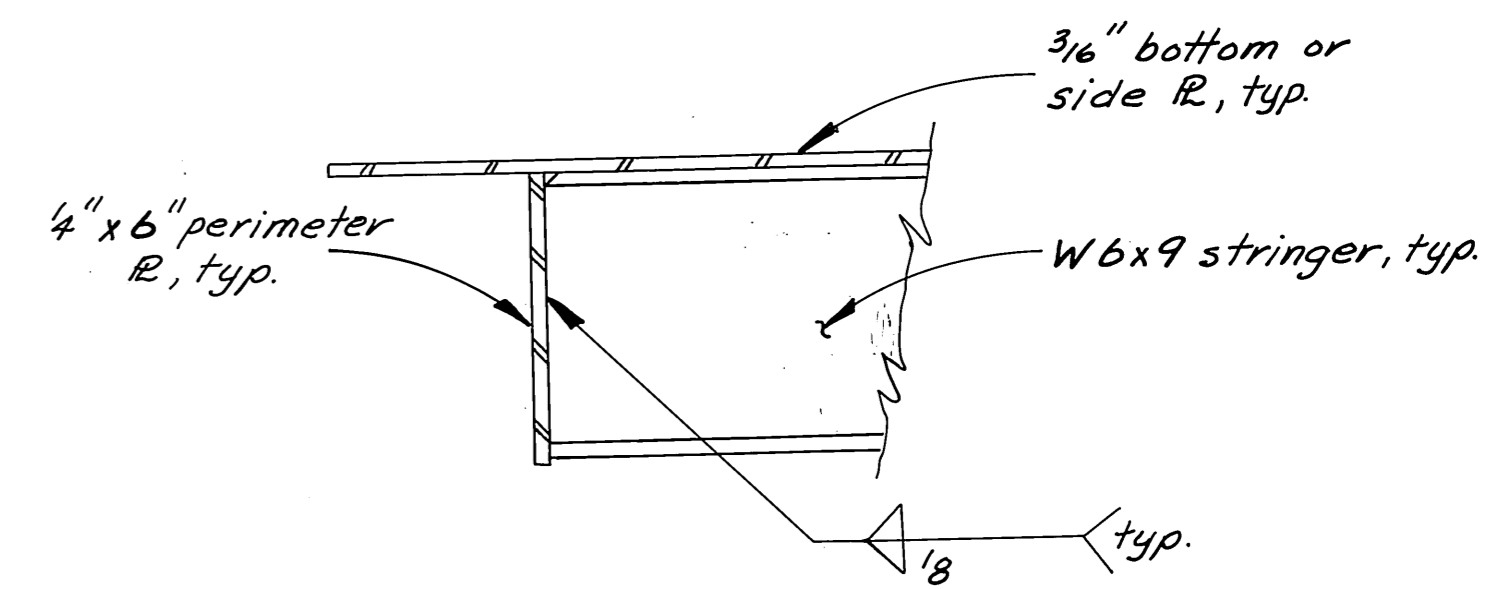


PANELS S3, S4

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



TYPICAL PARTIAL SECTION



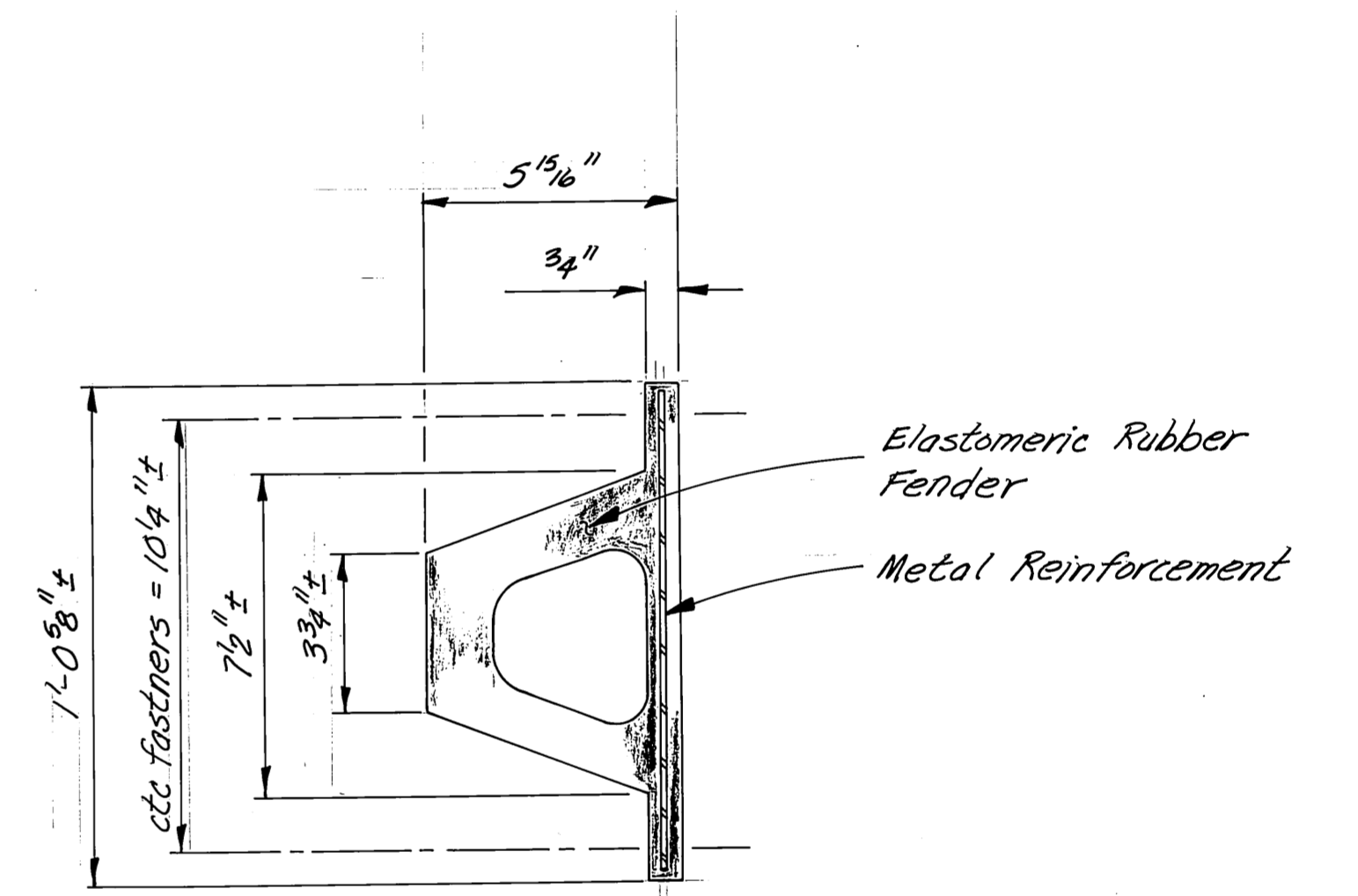
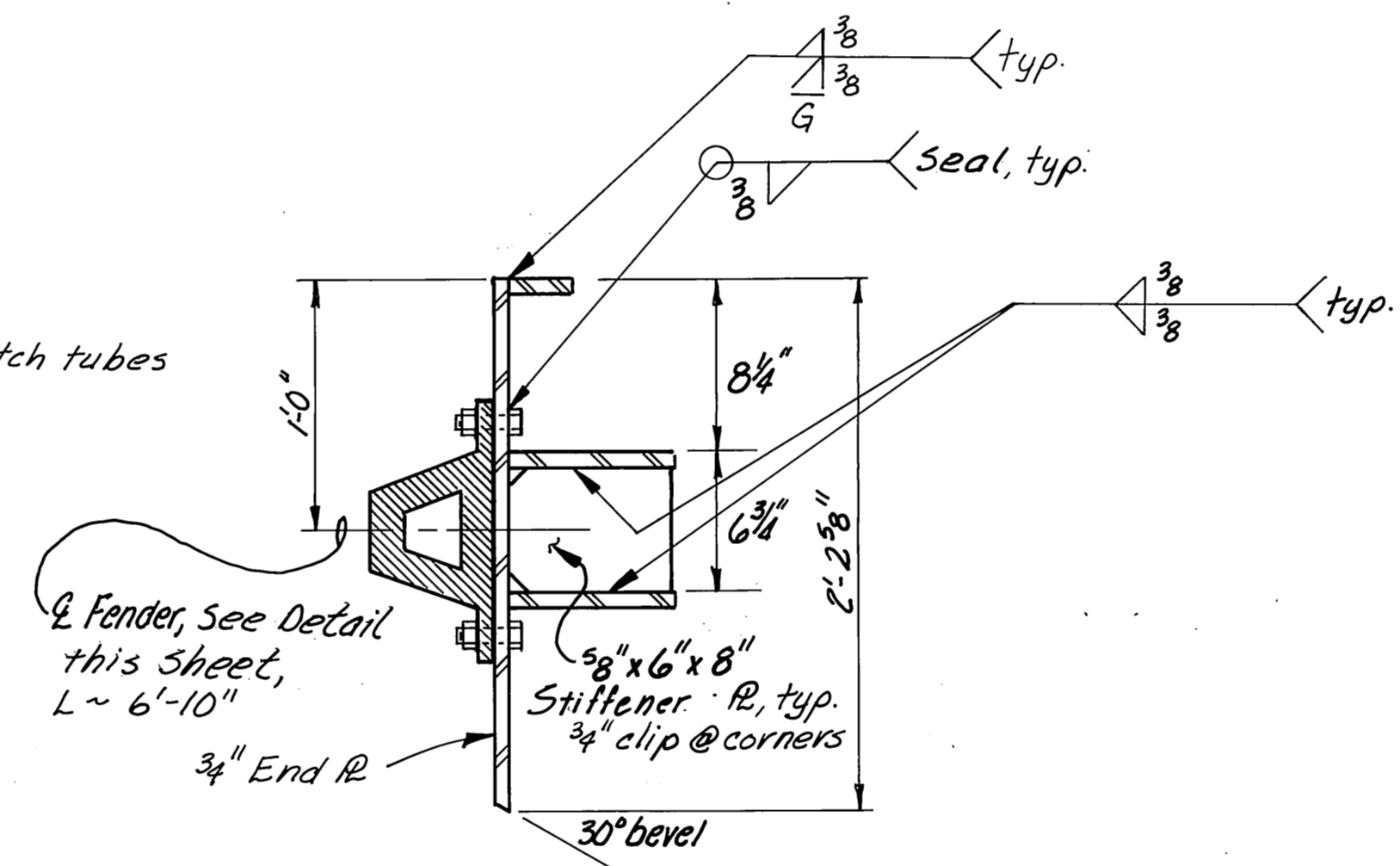
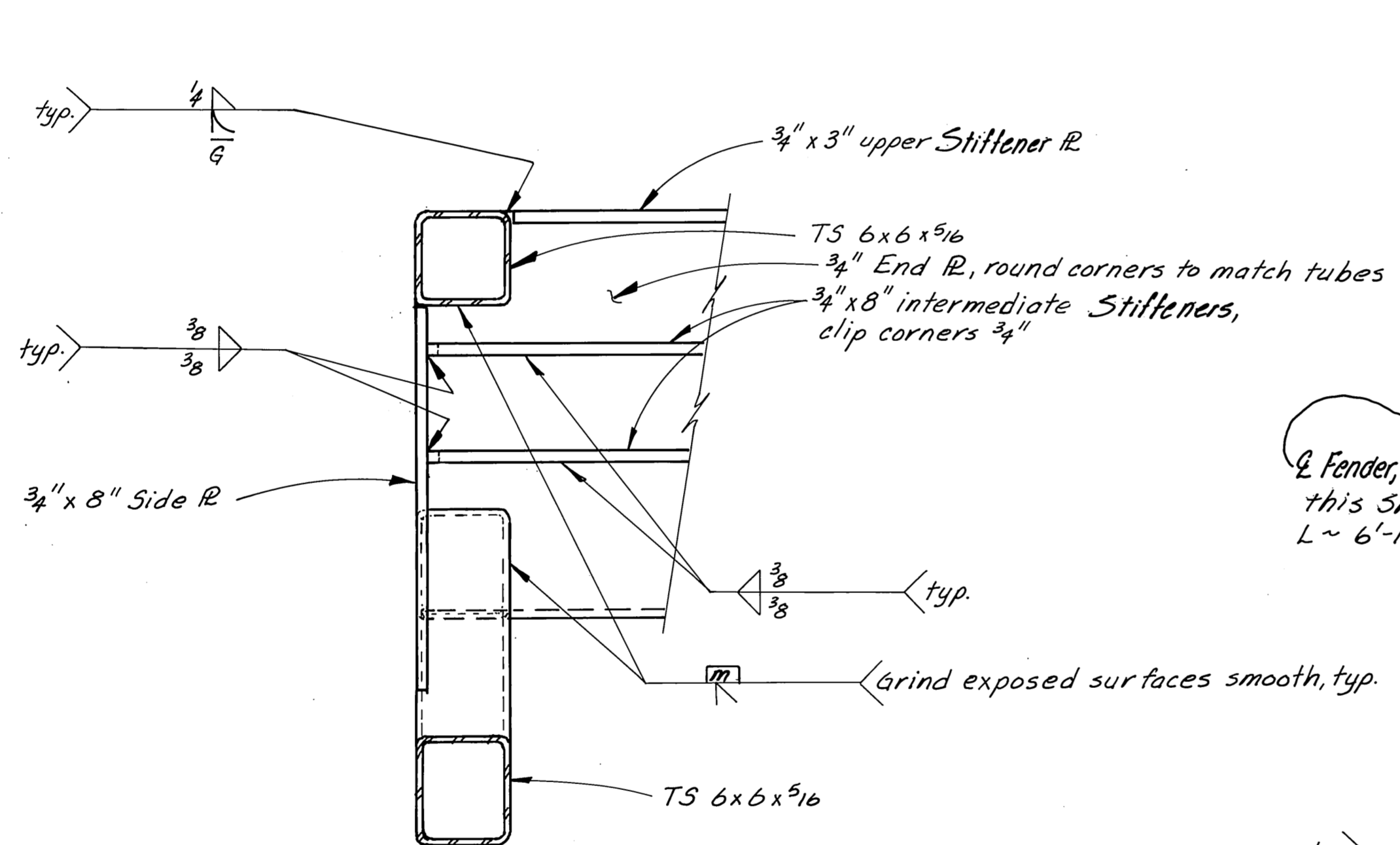
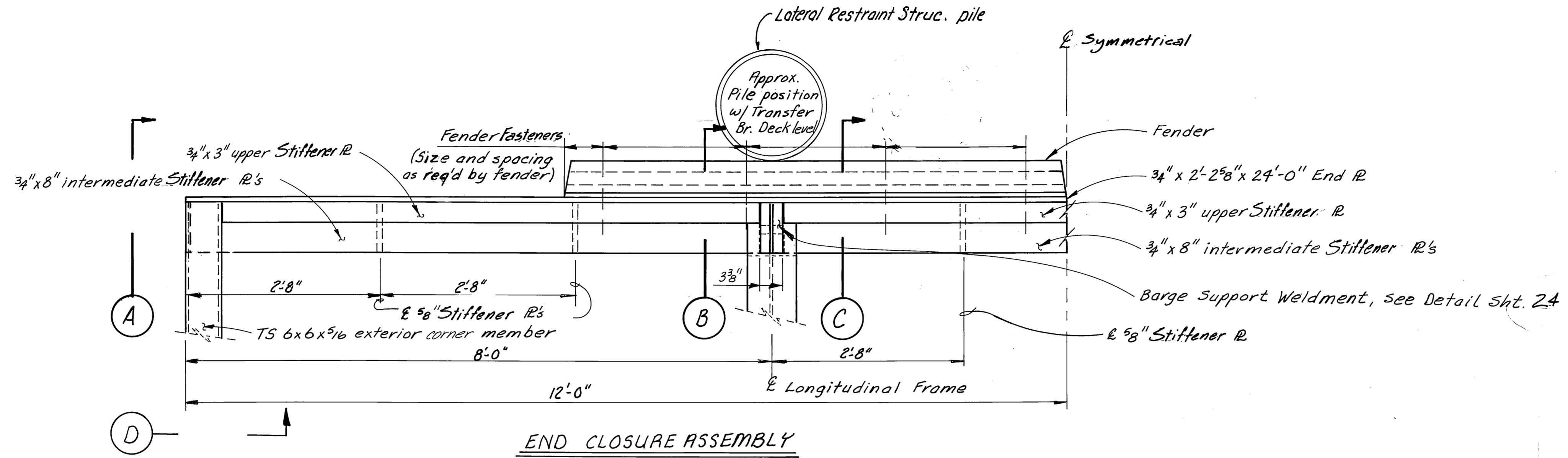
SECTION A

See Attachment P.23

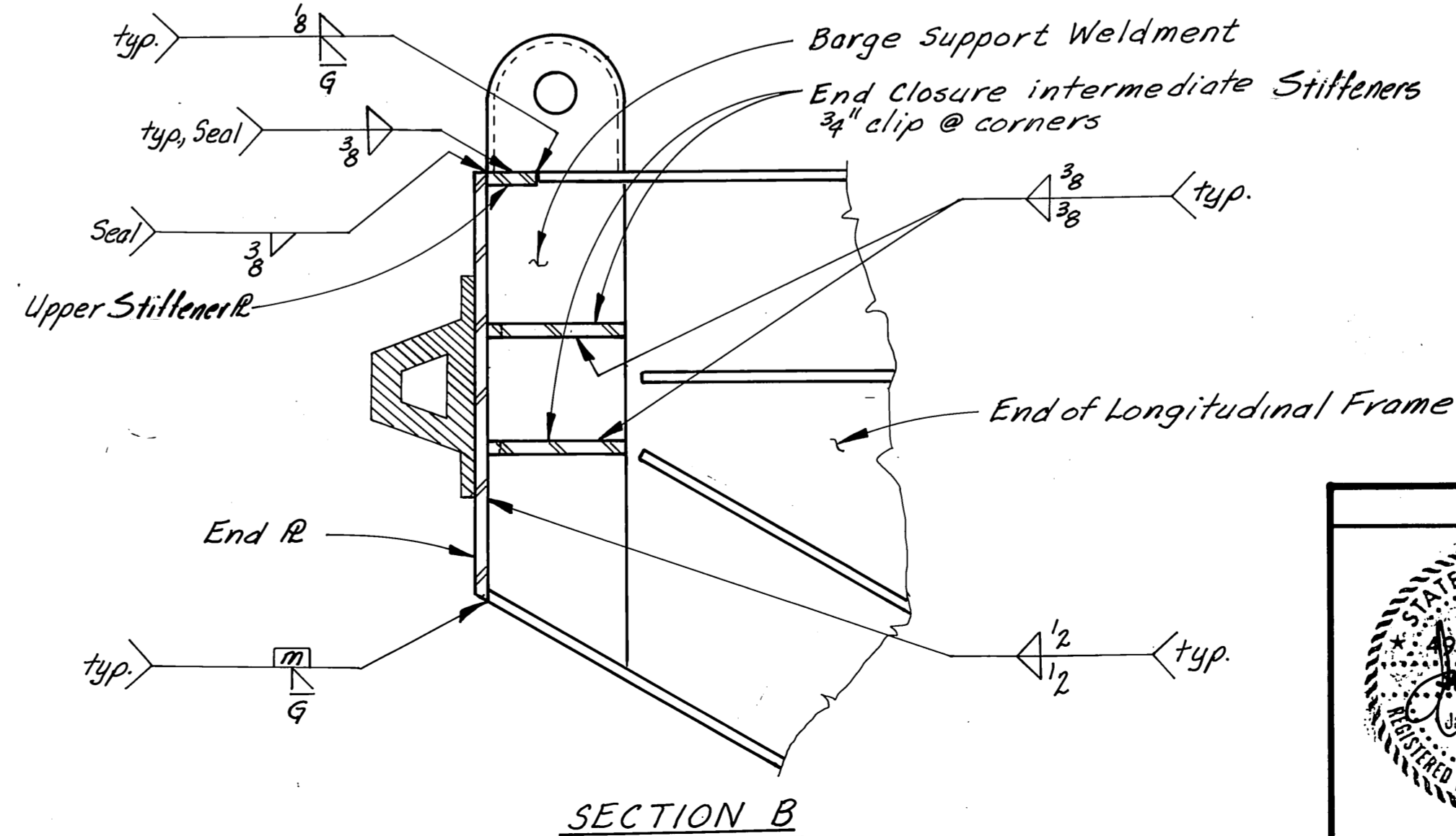
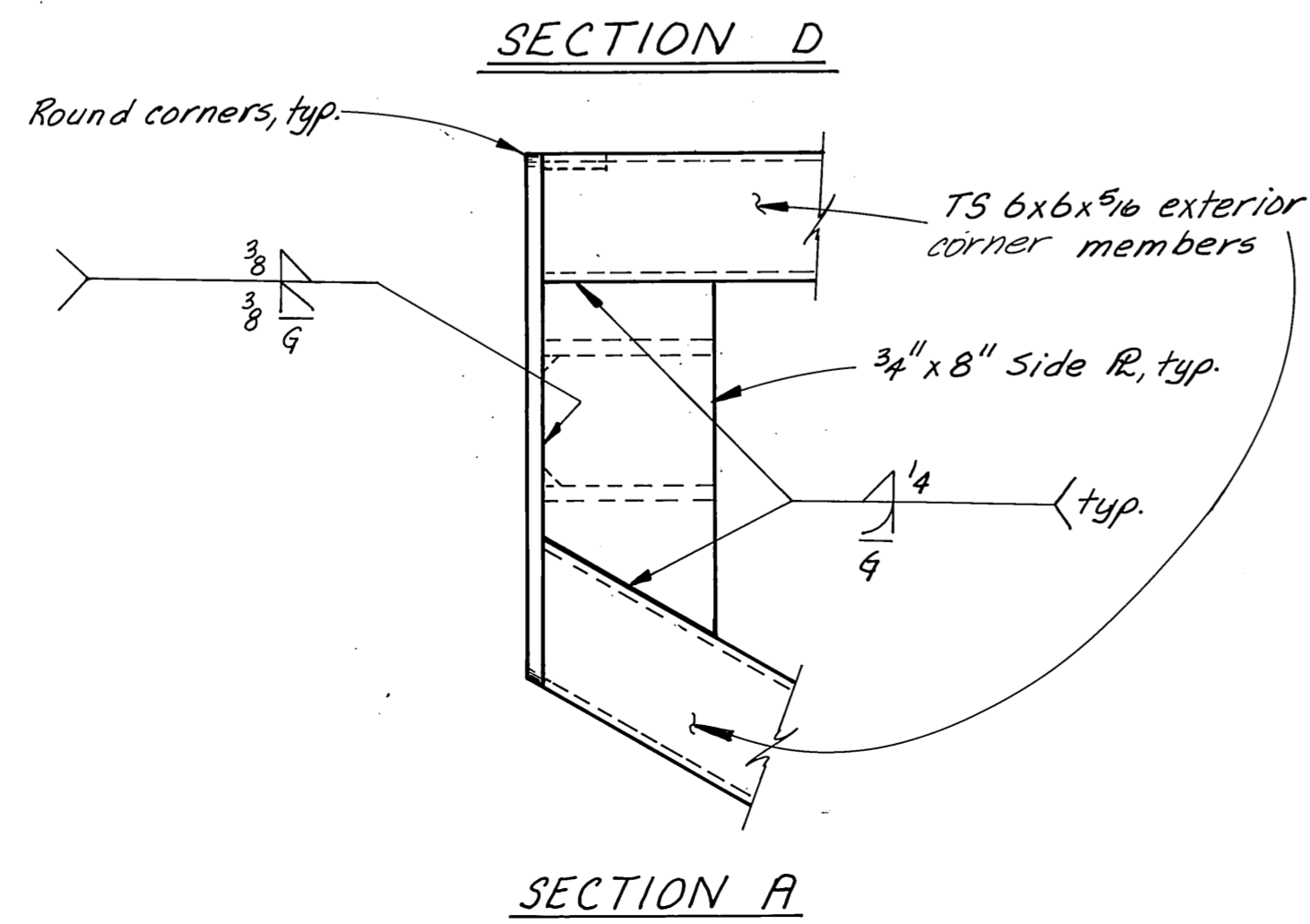
AS BUILT

Mark Johnson 1/25/09

	DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
	STATE OF ALASKA			
	DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
	SITKA		Alaska	
PANELS B1 - B11 & S1 - S4				
DESIGNED <u>JHL</u>	CHECKED <u>JS</u>	DRAWN <u>JHL/JS</u>	DATE <u>3-04</u>	
PROJECT NUMBER <u>R3-M-935 (9)</u>		SHEET <u>31</u> OF <u>41</u>		



Note: Approx. 8" @ 45% deflection per ft. of length req'd.

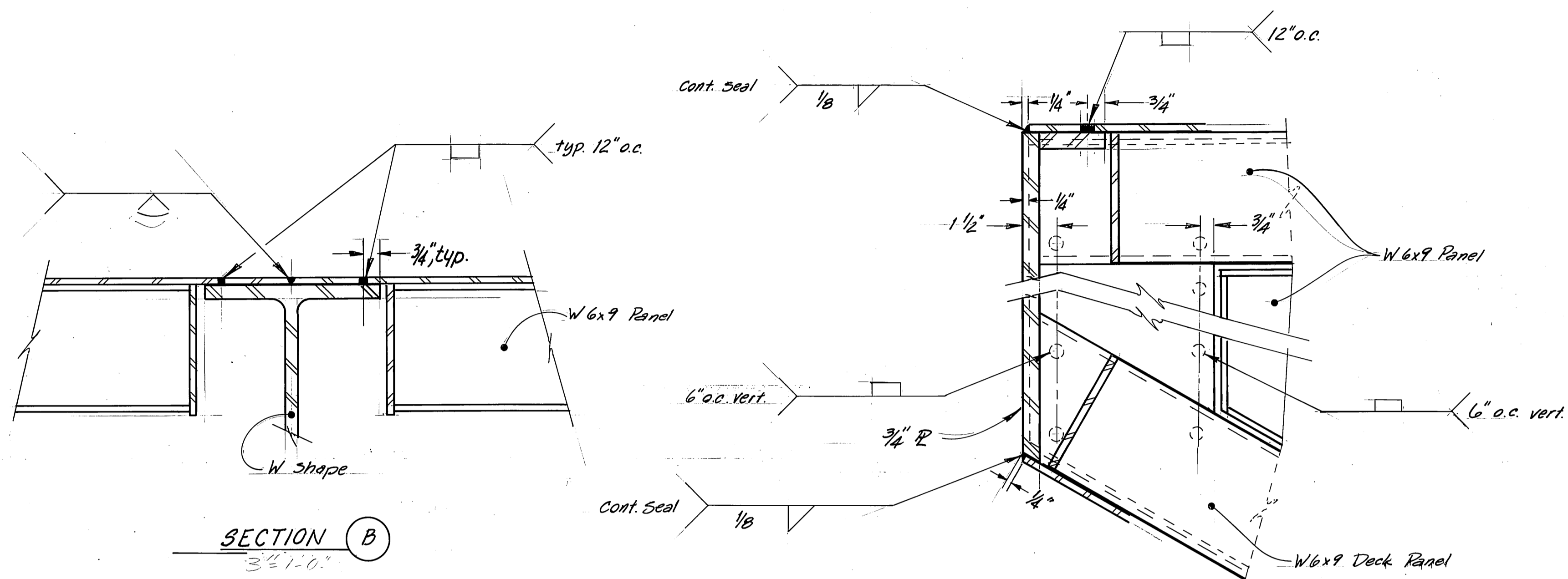


FENDER DETAIL

AS BUILT Mark Johnson 1/25/89

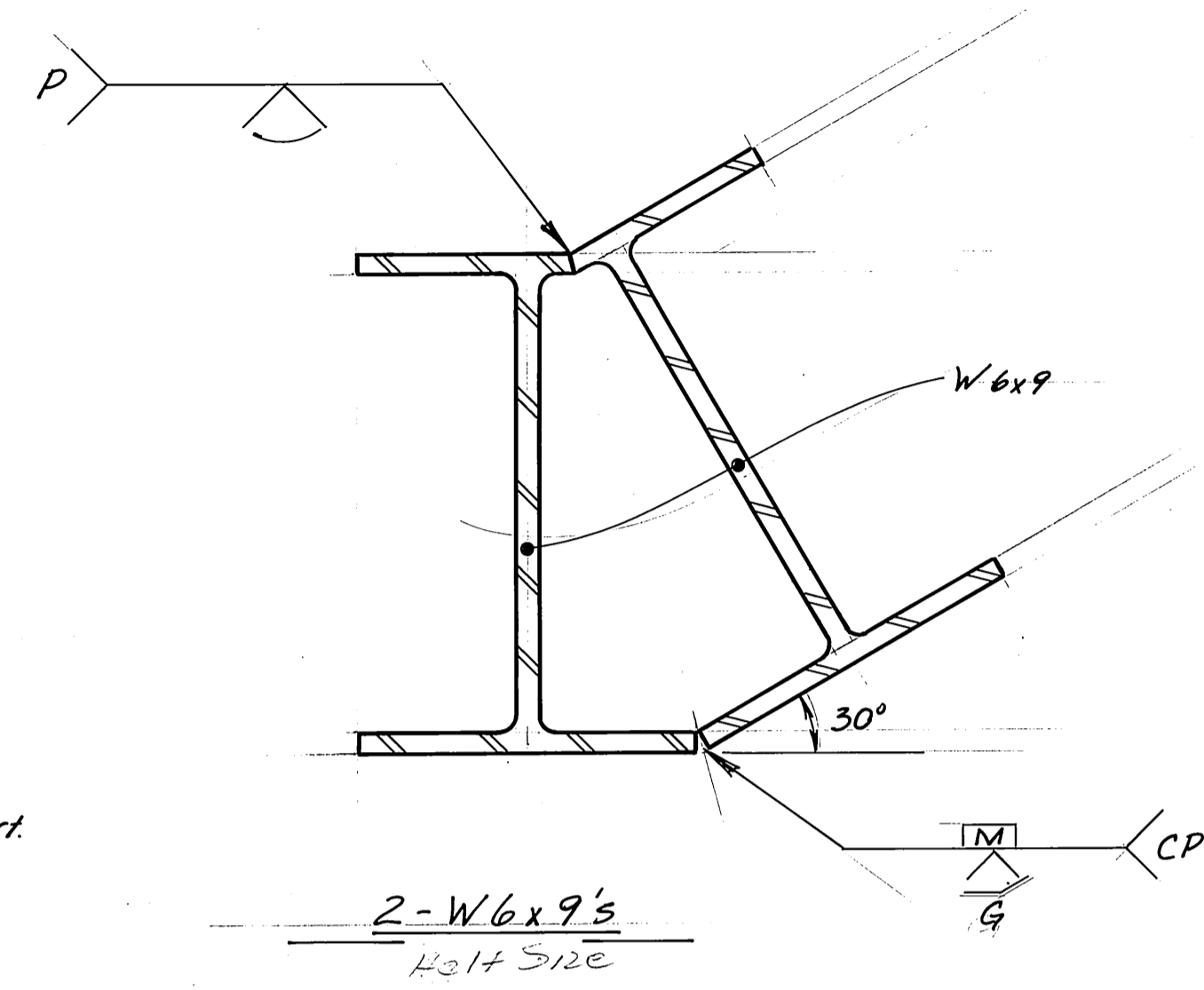
Note: Deck, side and bottom panels not shown for clarity.

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA	
		DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
		Alaska	
		END CLOSURE ASSEMBLY AND FENDER DETAILS	
DESIGNED <i>MLL</i>	CHECKED <i>LS</i>	DRAWN <i>MLL/LS</i>	DATE 3-84
PROJECT NUMBER RS-M-935 (9)	SHEET 32 OF 41		

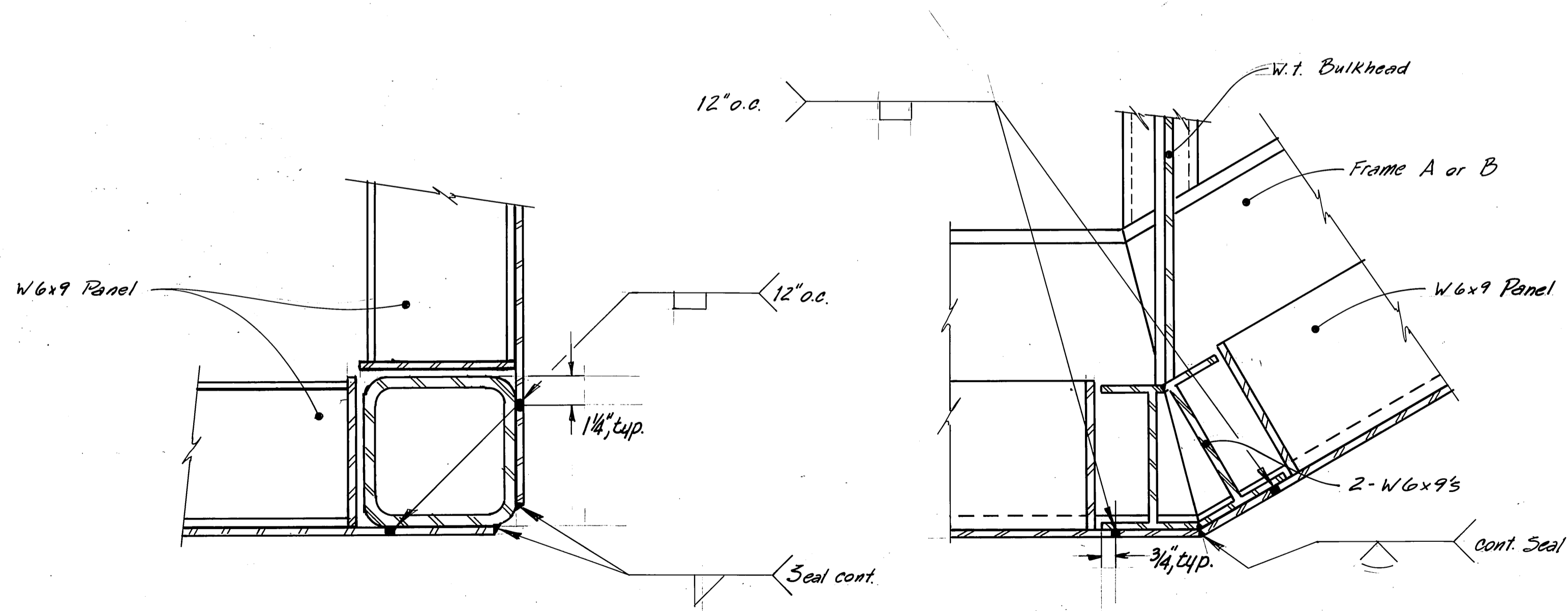


SECTION B
3'-1'-0"

SECTION A
3'-1'-0"

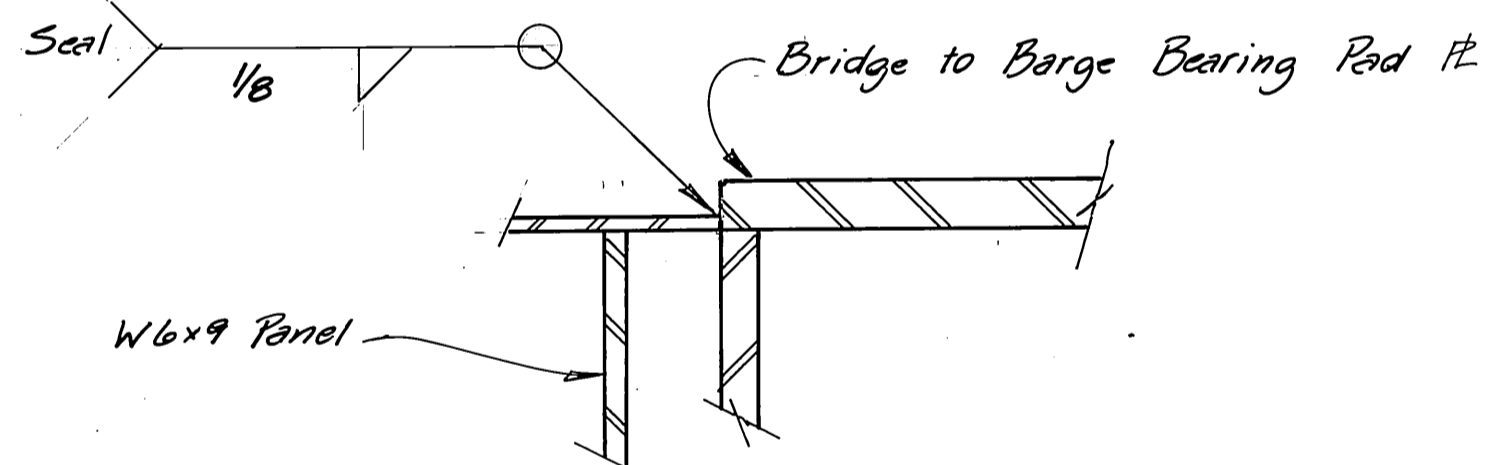


SECTION D
3'-1'-0"



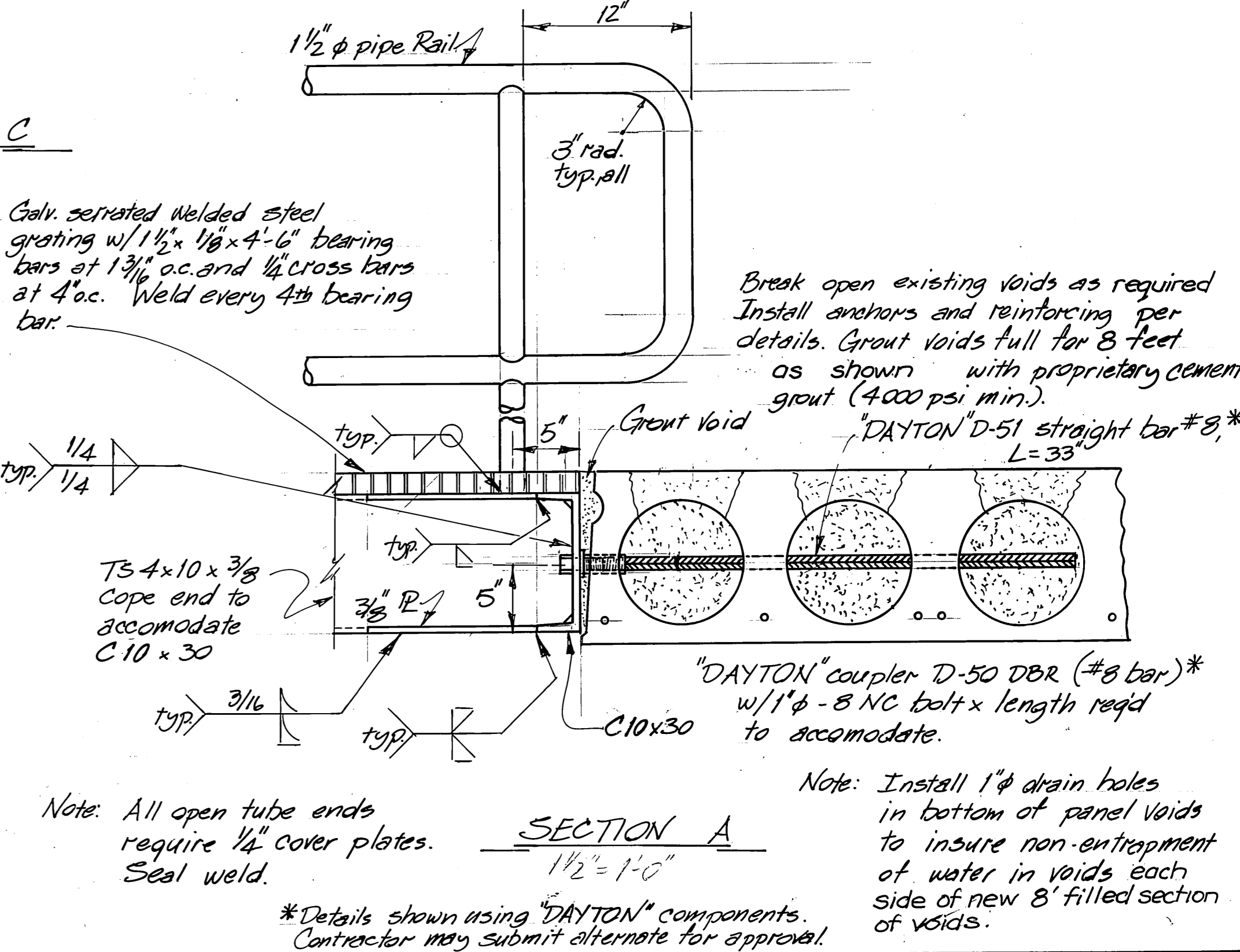
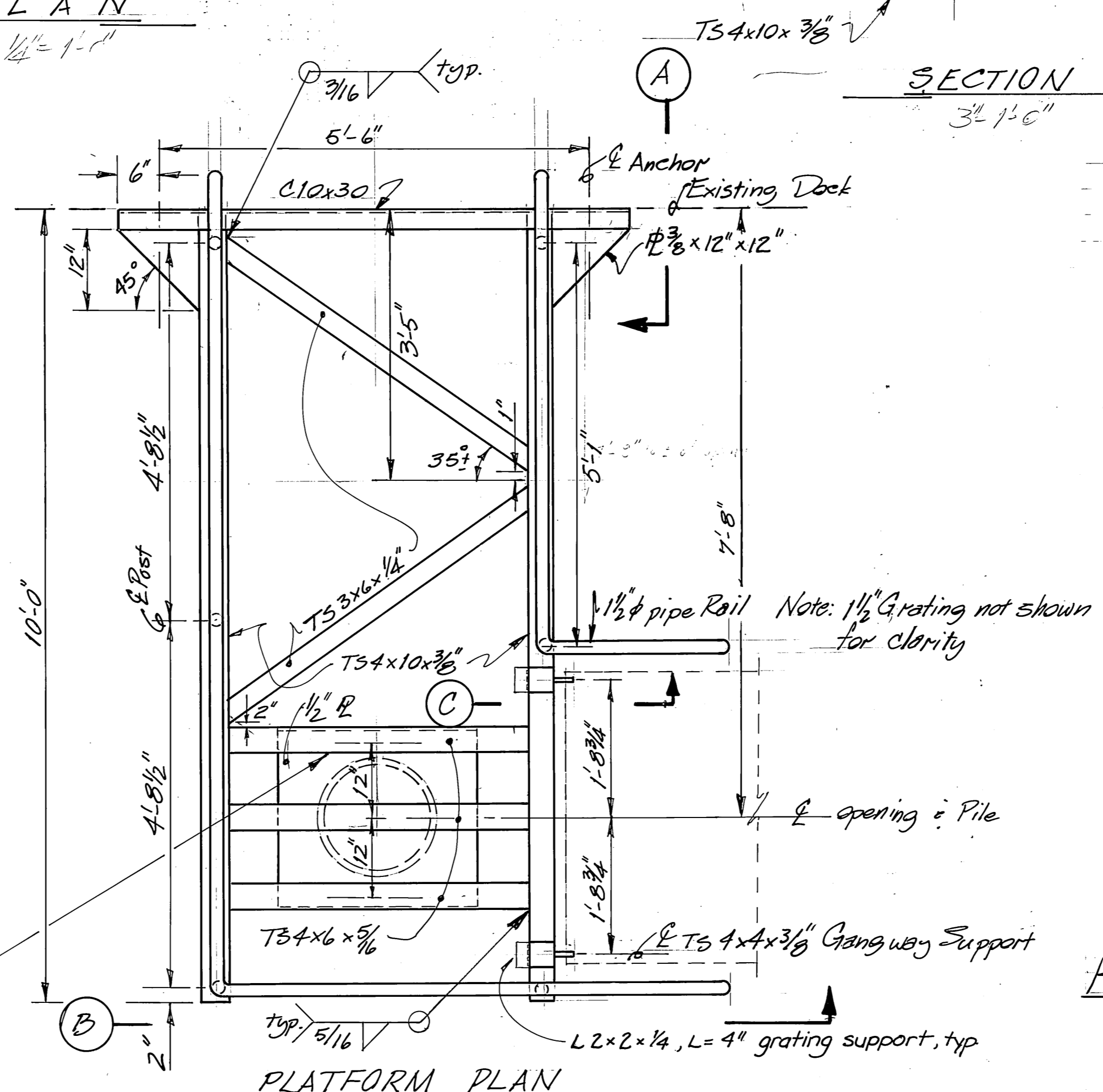
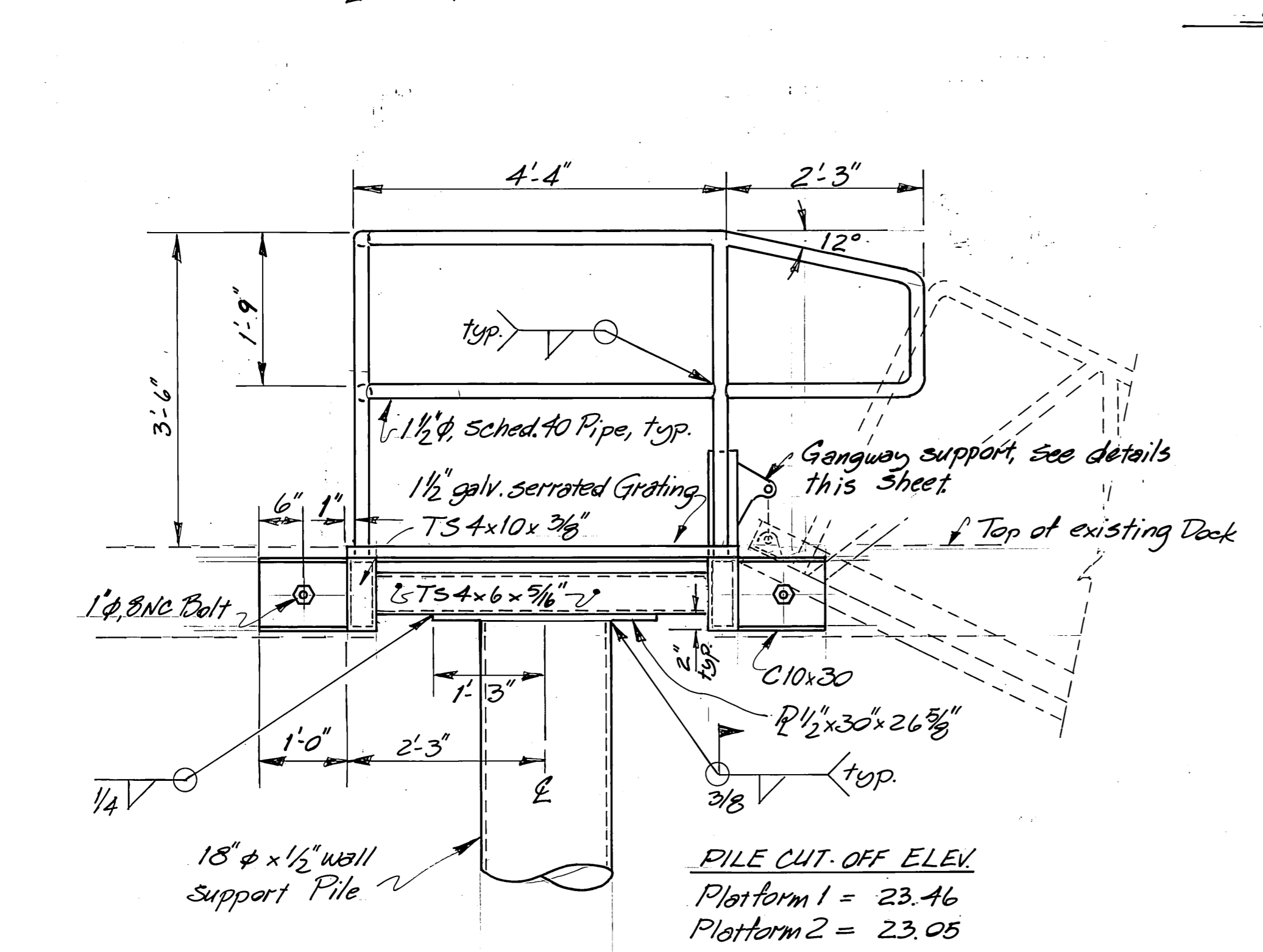
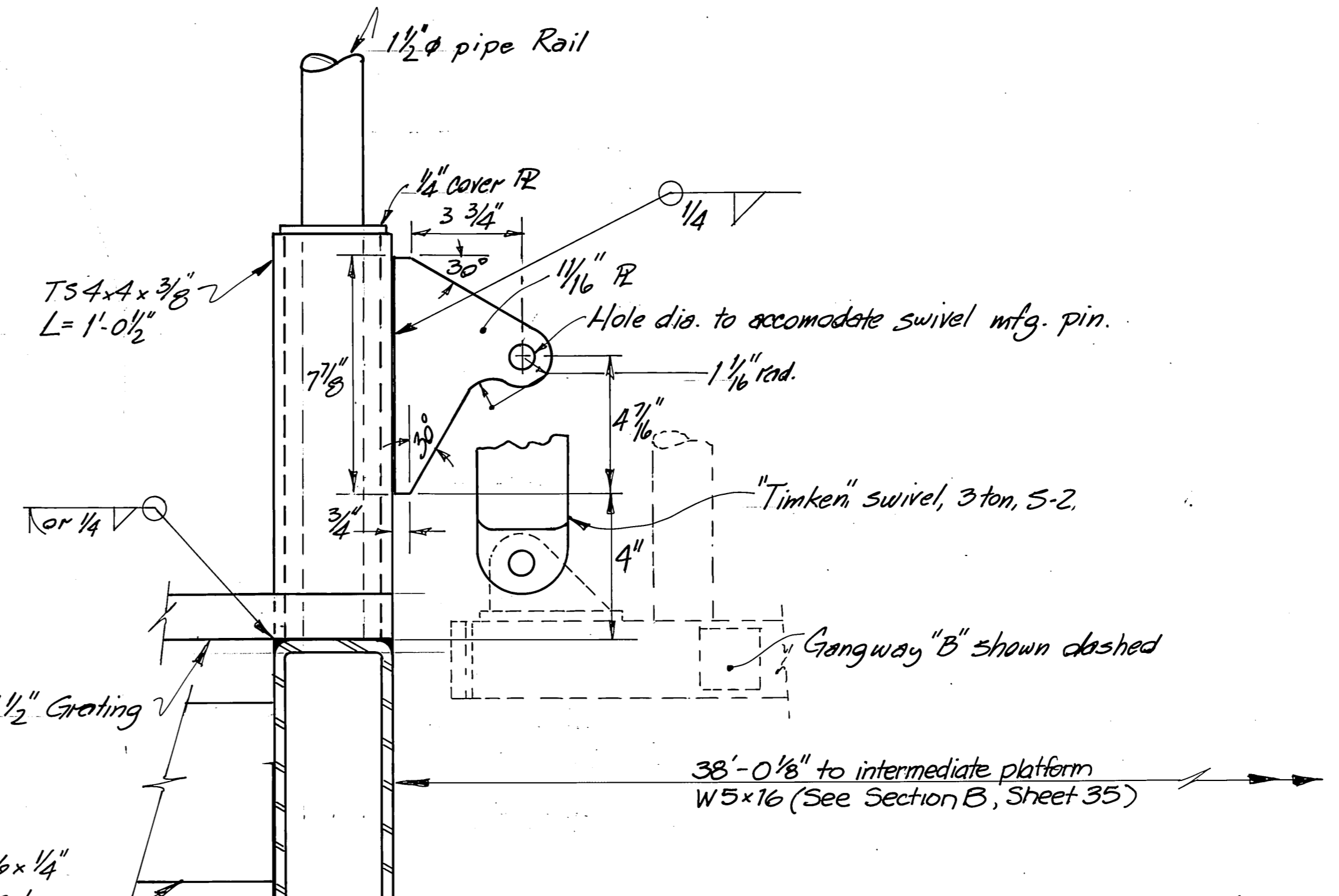
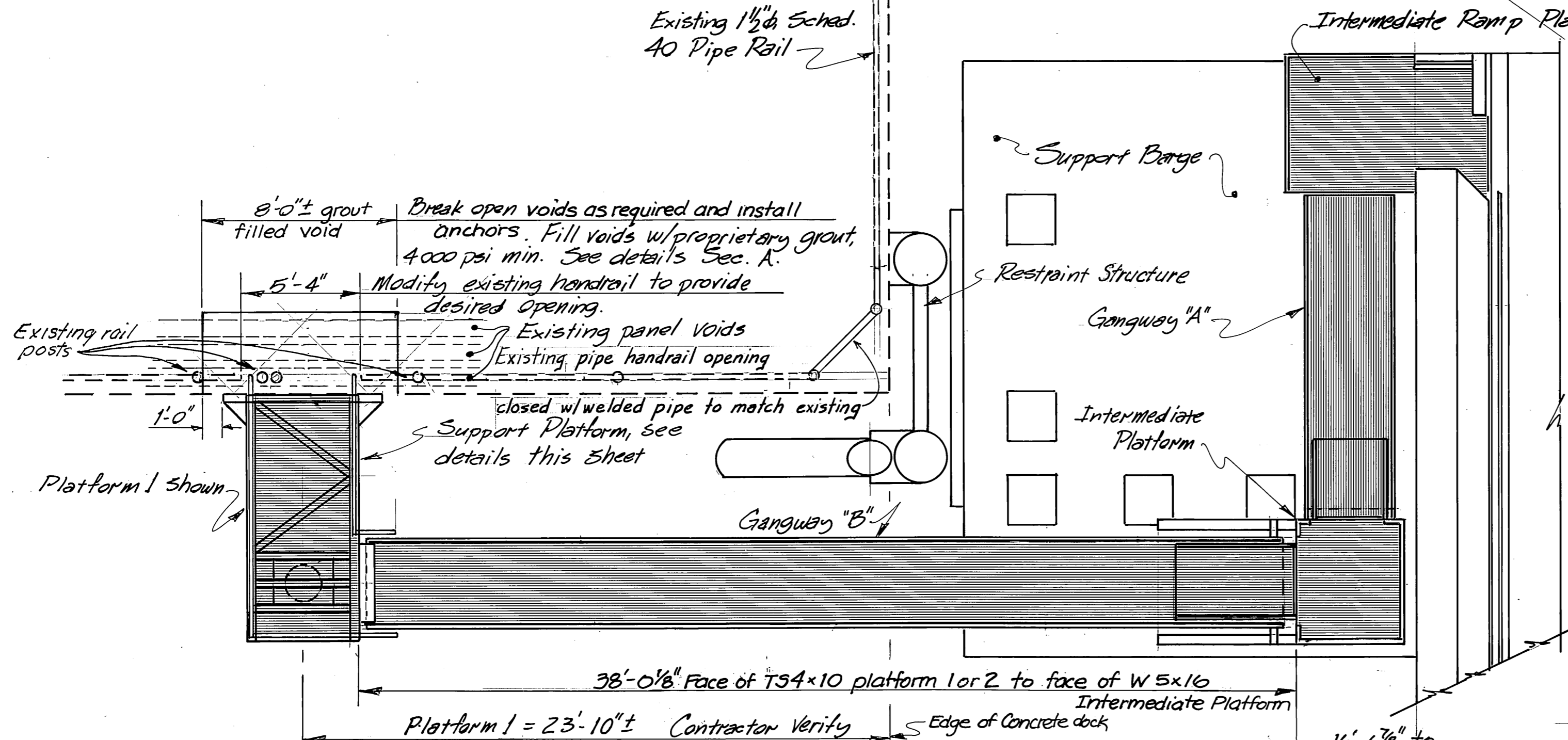
SECTION C
3'-1'-0"

ELEVATION
BOTTOM PANEL CONN. @ MAIN FRAME A OR B
3'-1'-0"



AS BUILT Mark Johnson 1/25/89

	DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
	STATE OF ALASKA			
	DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
	Sitka		Alaska	
PANEL CONNECTION & MISC. DETAILS				
DESIGNED JAL	CHECKED JS	DRAWN JAL	DATE 3-84	
PROJECT NUMBER RS-M-935 (9)		SHEET 33 OF 41		

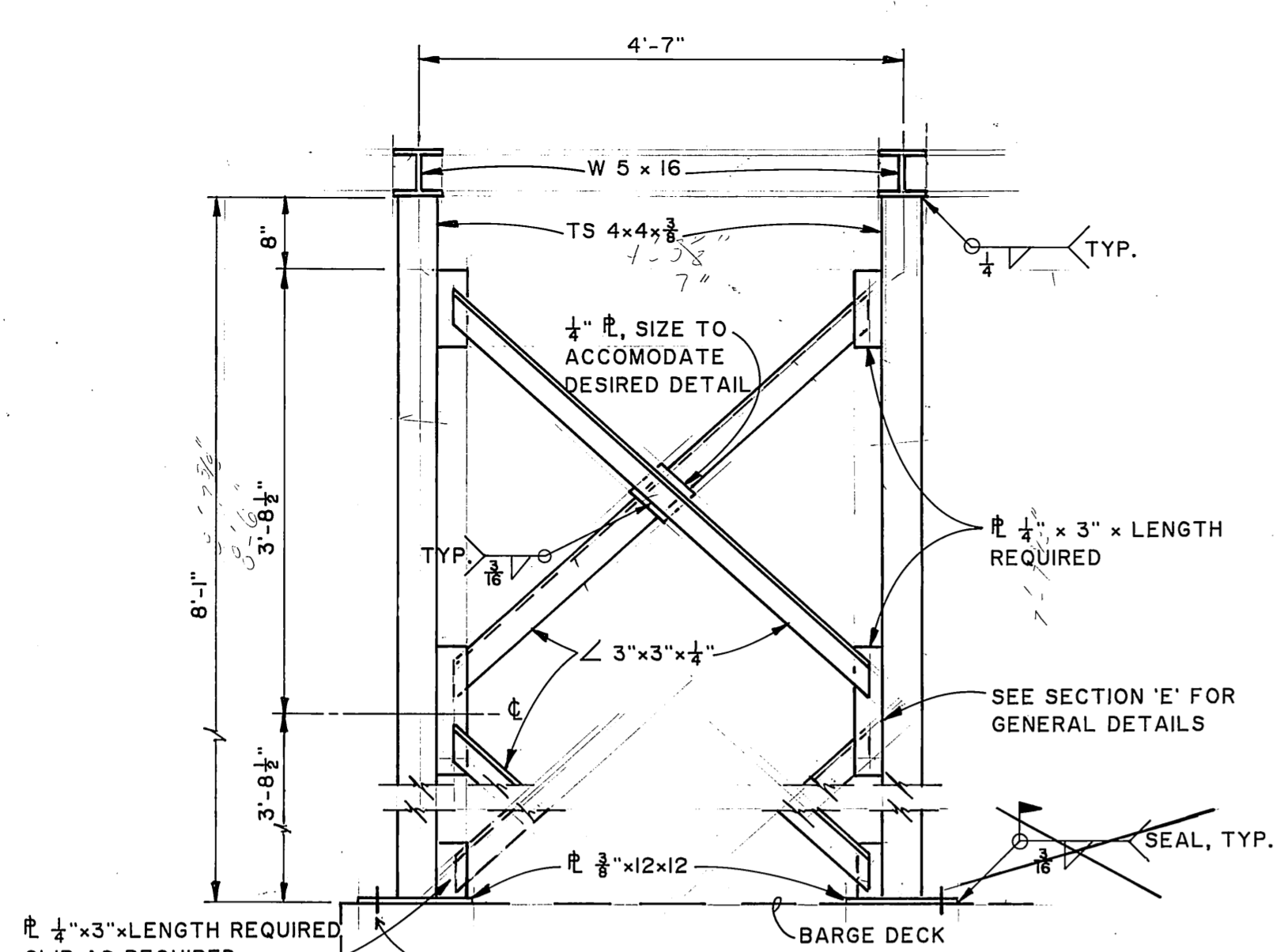


Approx. total weight per Platform = 2100 lbs.

AS BUILT
Mark Johnson
11/25/89

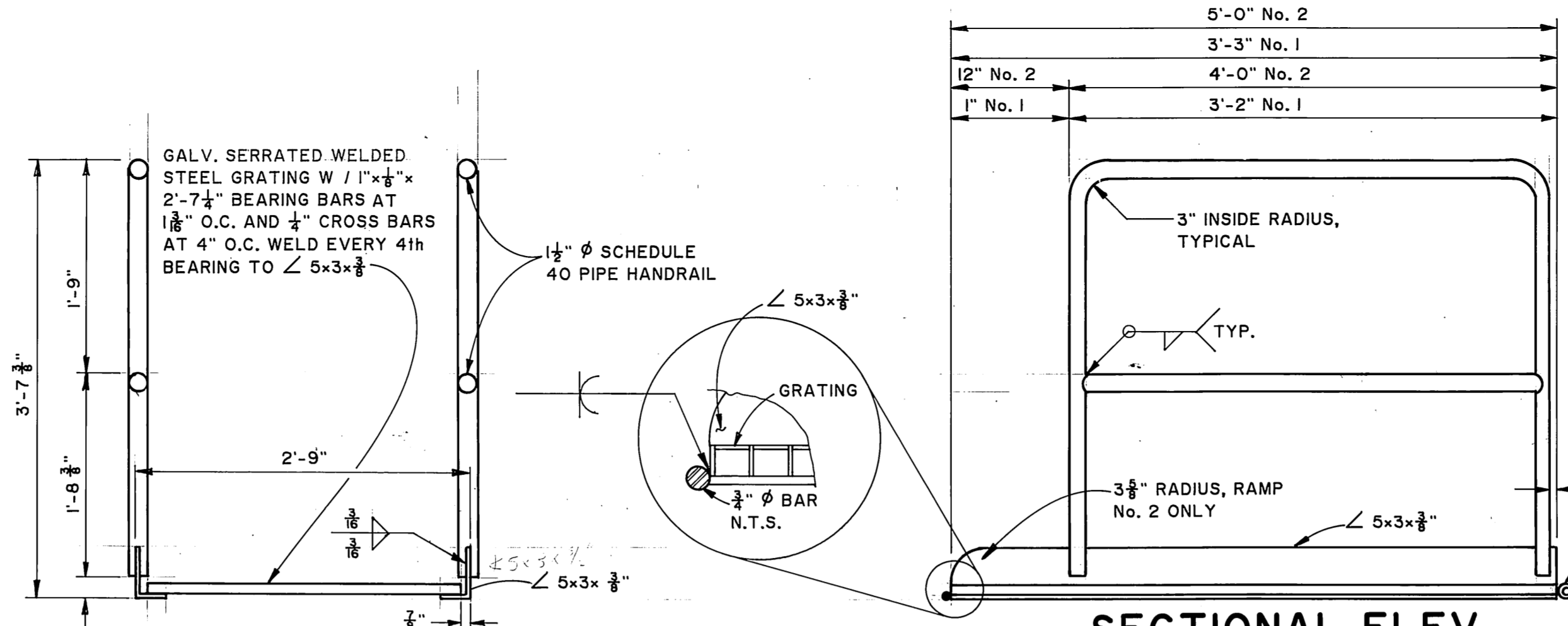
STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA	
		DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
SITKA		Alaska	
DOCK ACCESS PLAN & SUPPORT PLATFORM 1 & 2 DETAILS			
DESIGNED JAL	CHECKED JS	DRAWN JAL/DJB	DATE 9-87
PROJECT NUMBER RS-11-0935 (9)	SHEET 34	OF 41	

Note: Platform 1 shown, 2 opposite hand



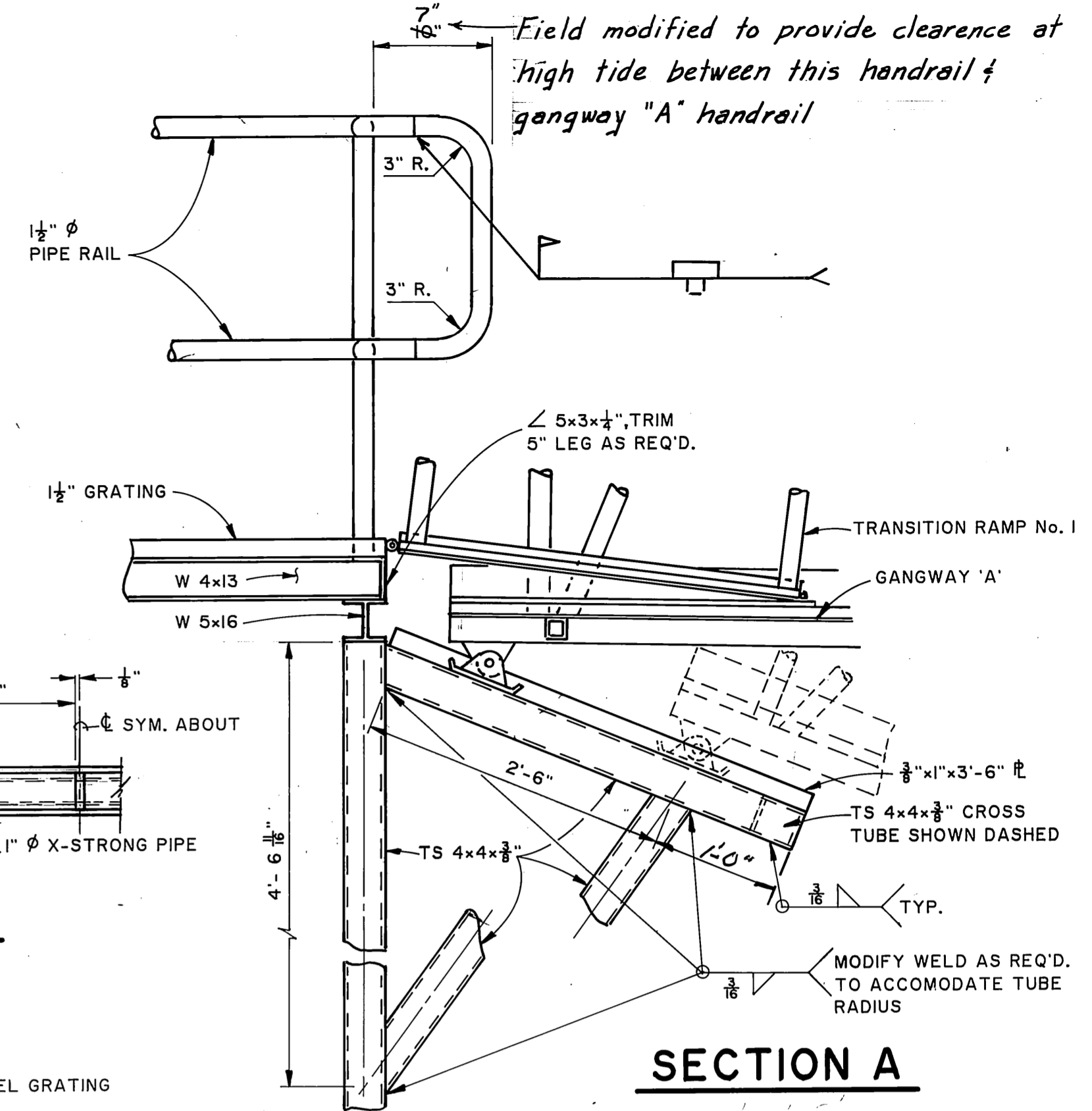
SECTION D

See note below

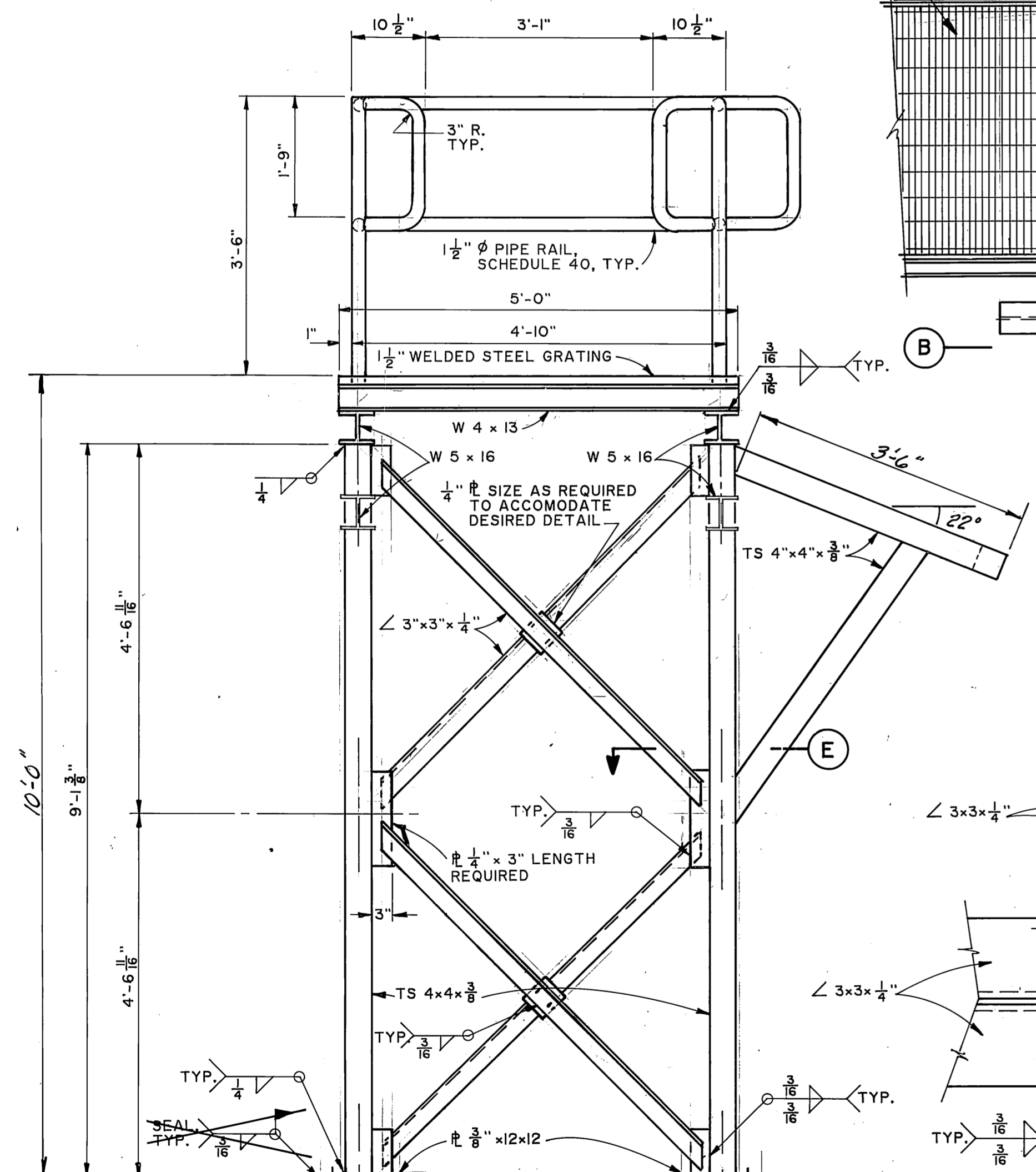


SECTION TRANSITION RAMPS 1 & 2

SECTIONAL ELEV.

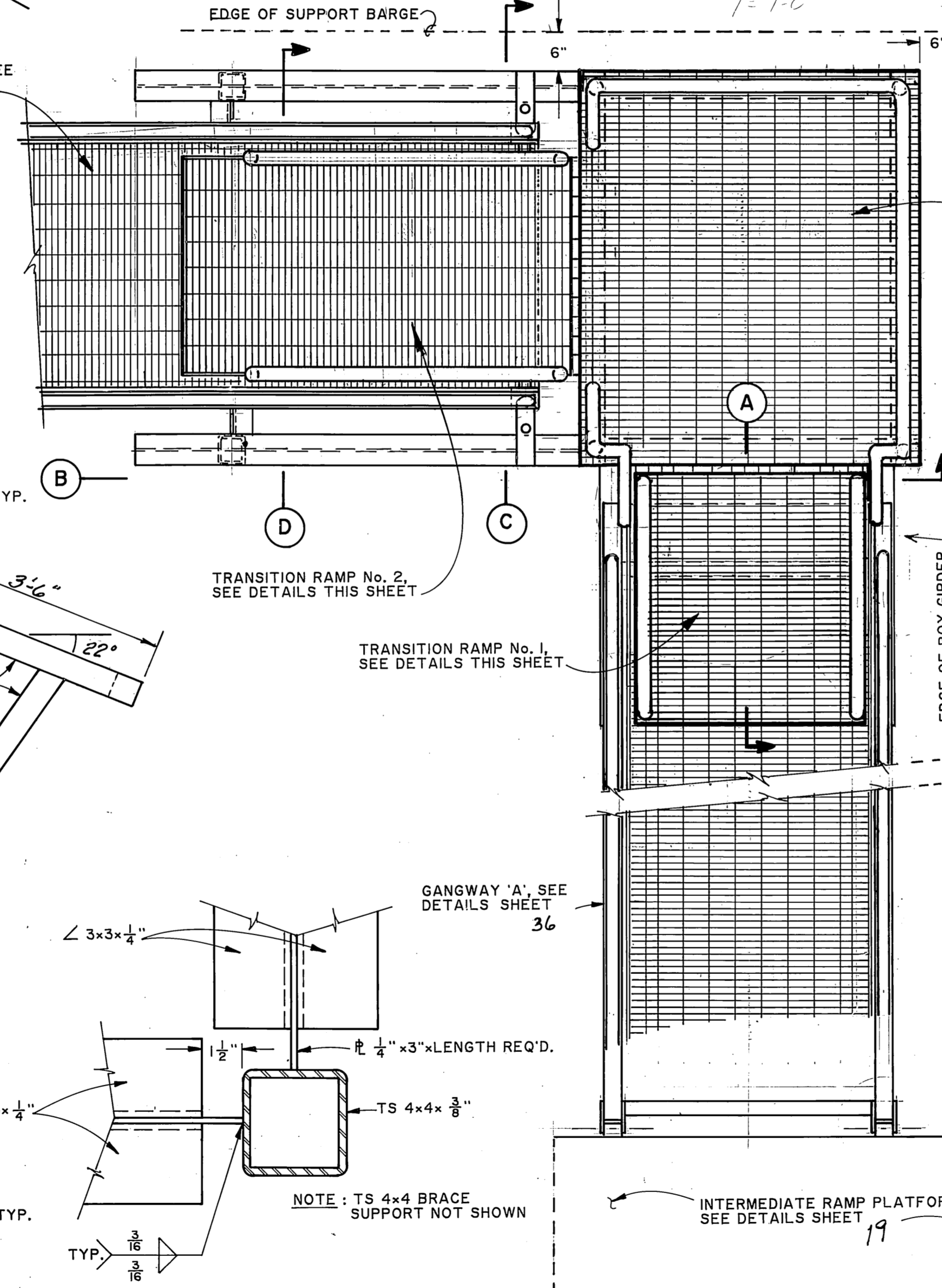


SECTION A



SECTION C

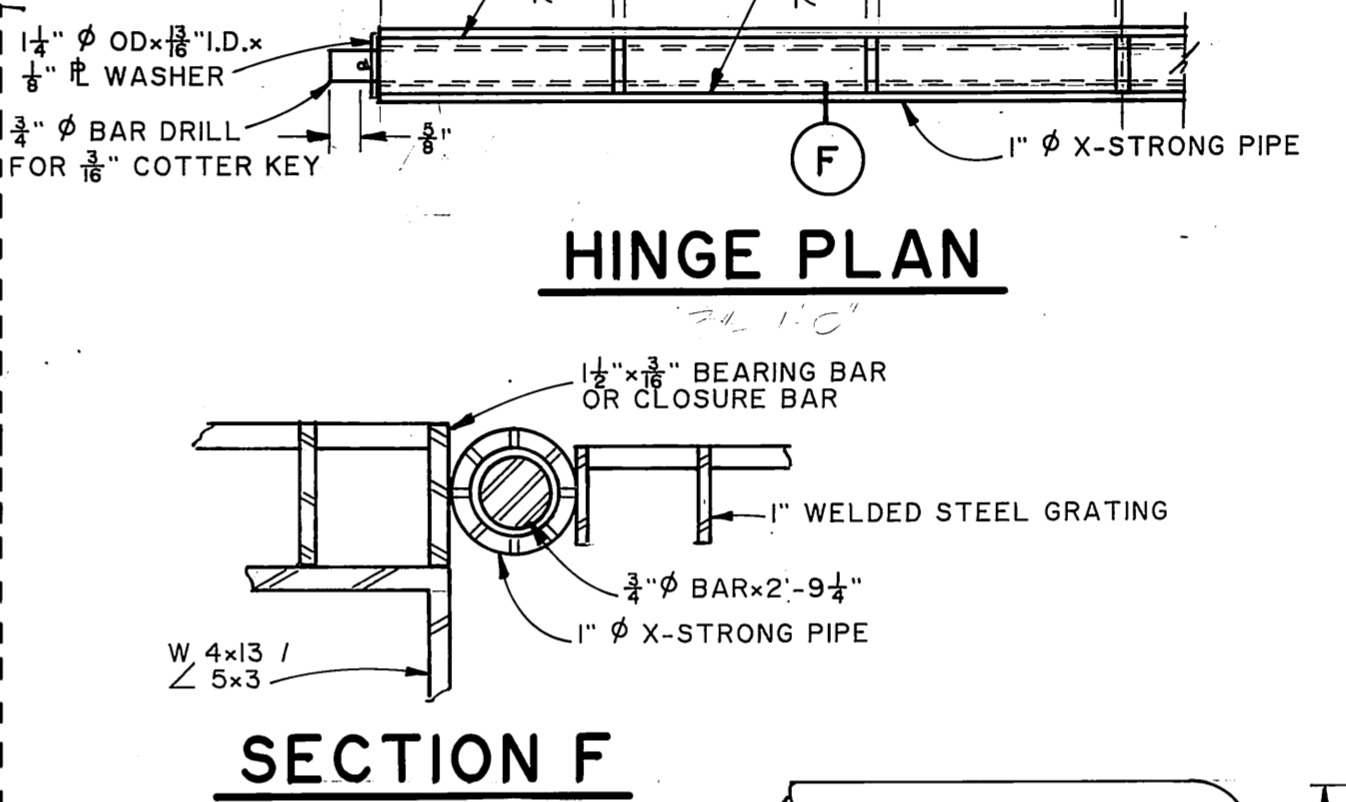
Platform bases bolted to barge deck mounted studs - 3/4" x 2" anchor studs (typ) all around 12" x 12" x 1/8" thick neoprene pads under platform plates (typ)



PLAN

BARGE ACCESS PLATFORM & WALKWAY DETAILS

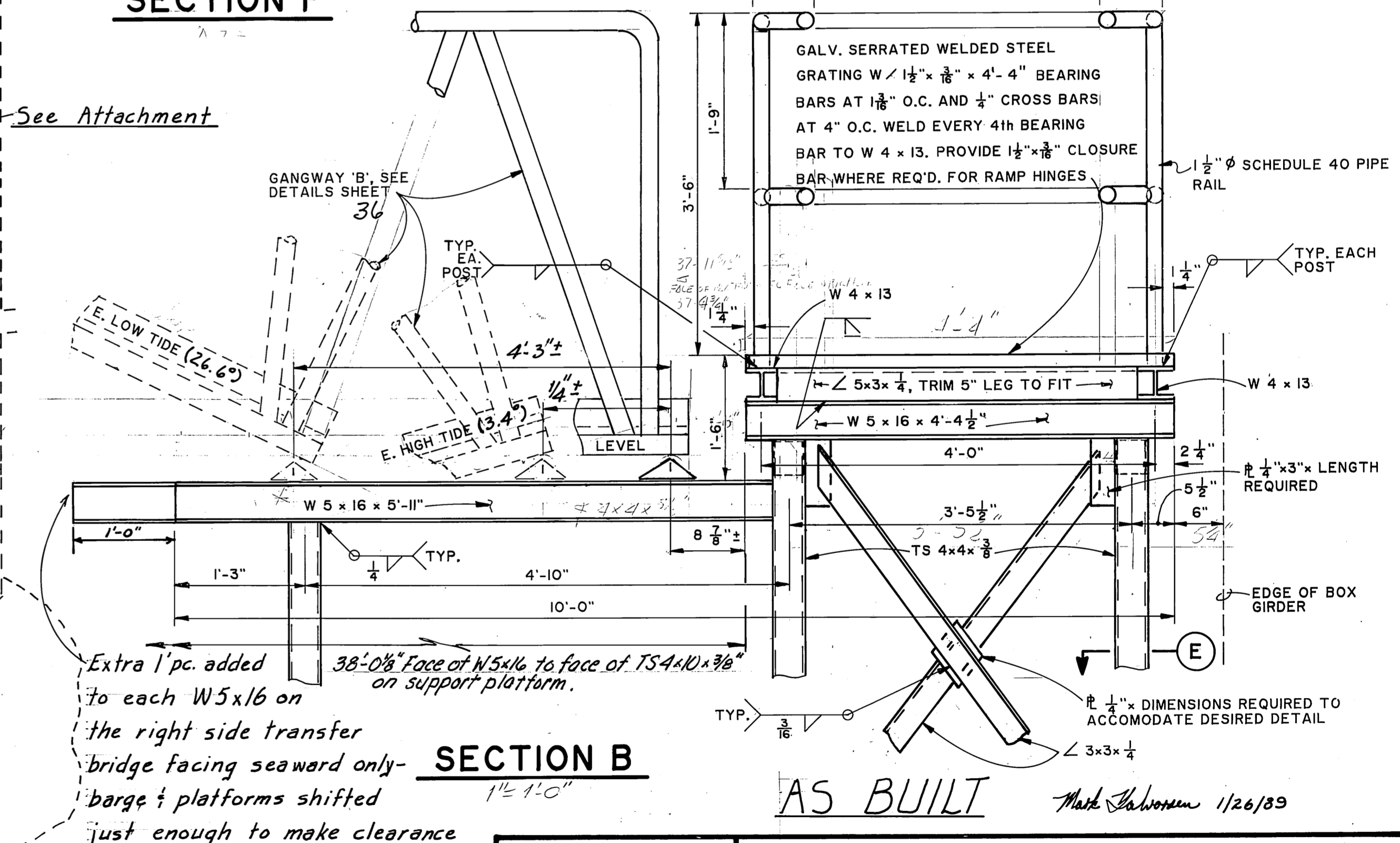
Approx. Platform weight (incl. Transition Ramps) = 3200 lbs. each.



HINGE PLAN

SECTION F

See Attachment



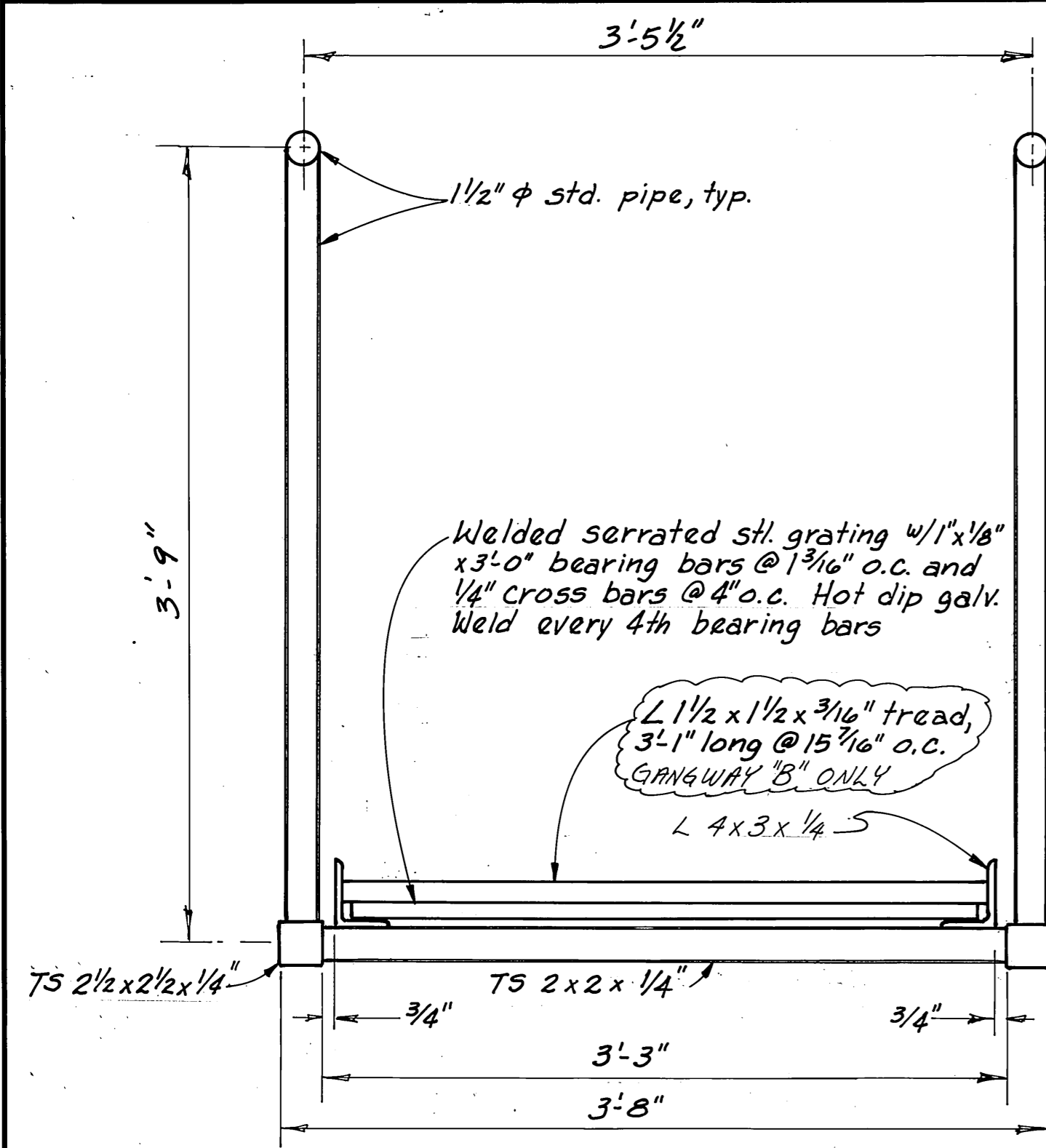
SECTION B

AS BUILT Mark Johnson 1/26/89

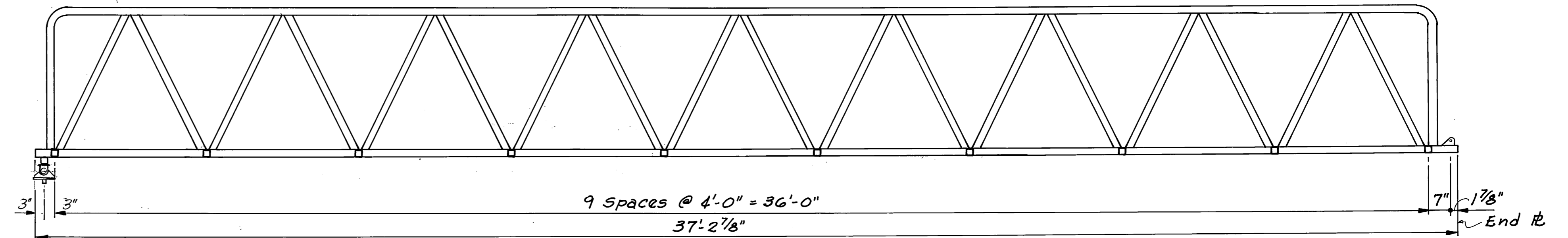
STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
SITKA		ALASKA	
BARGE ACCESS PLATFORMS & WALKWAY DETAILS			
DESIGNED JAL	CHECKED BAS	DRAWN JAL / BB	DATE 8 / 87
PROJECT NUMBER RS-M-0935 (9)	SHEET 35		OF 41



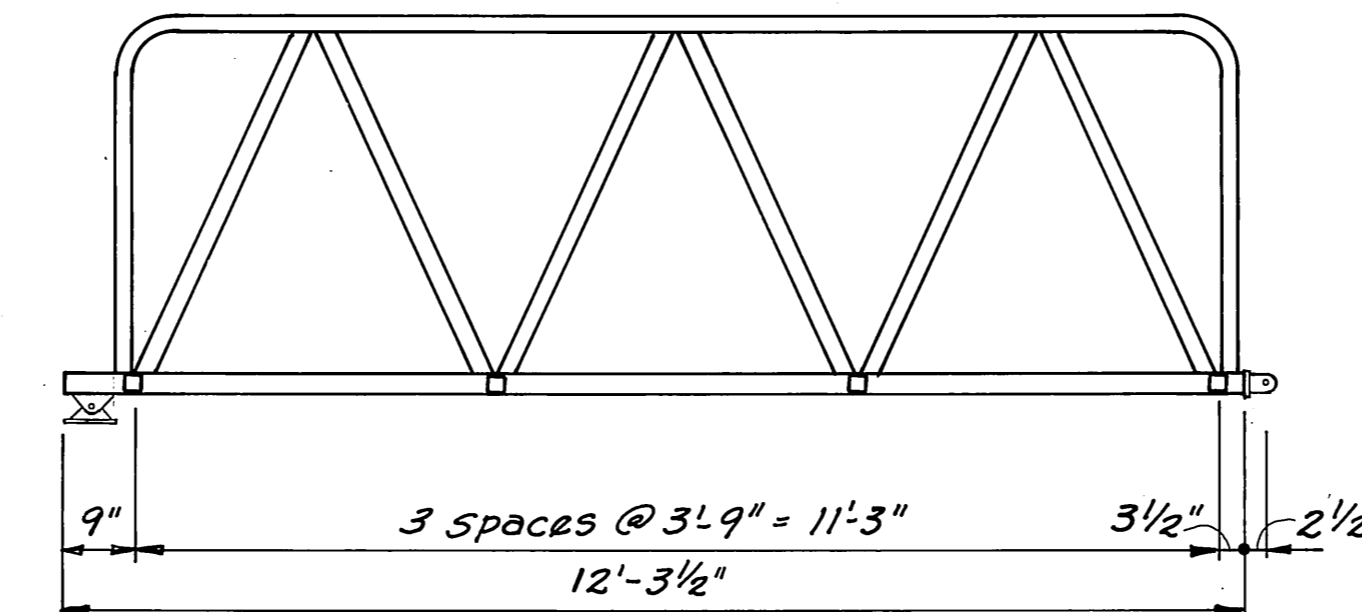
9/13/87



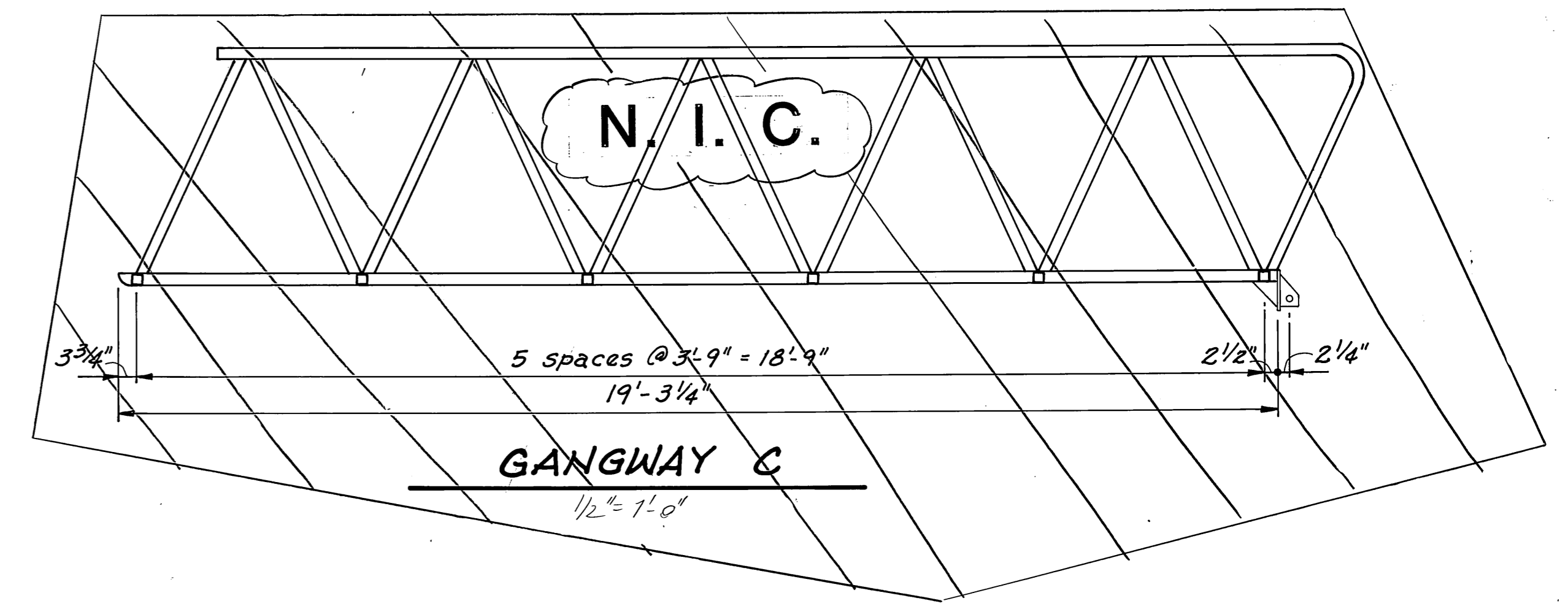
SECTION A
1 1/2" = 1'-0"
TYPICAL ALL GANGWAYS



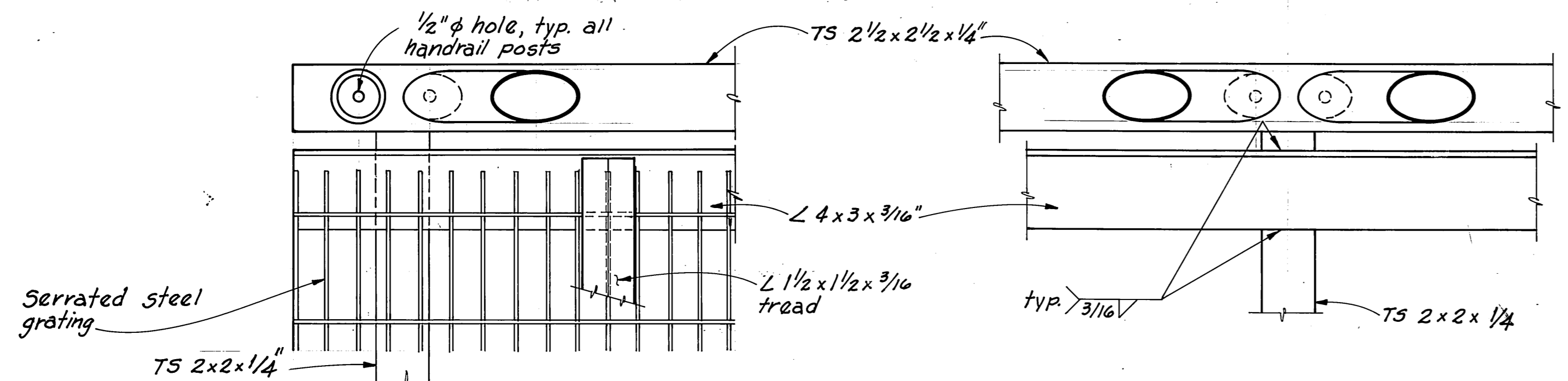
GANGWAY B
1/2" = 1'-0"



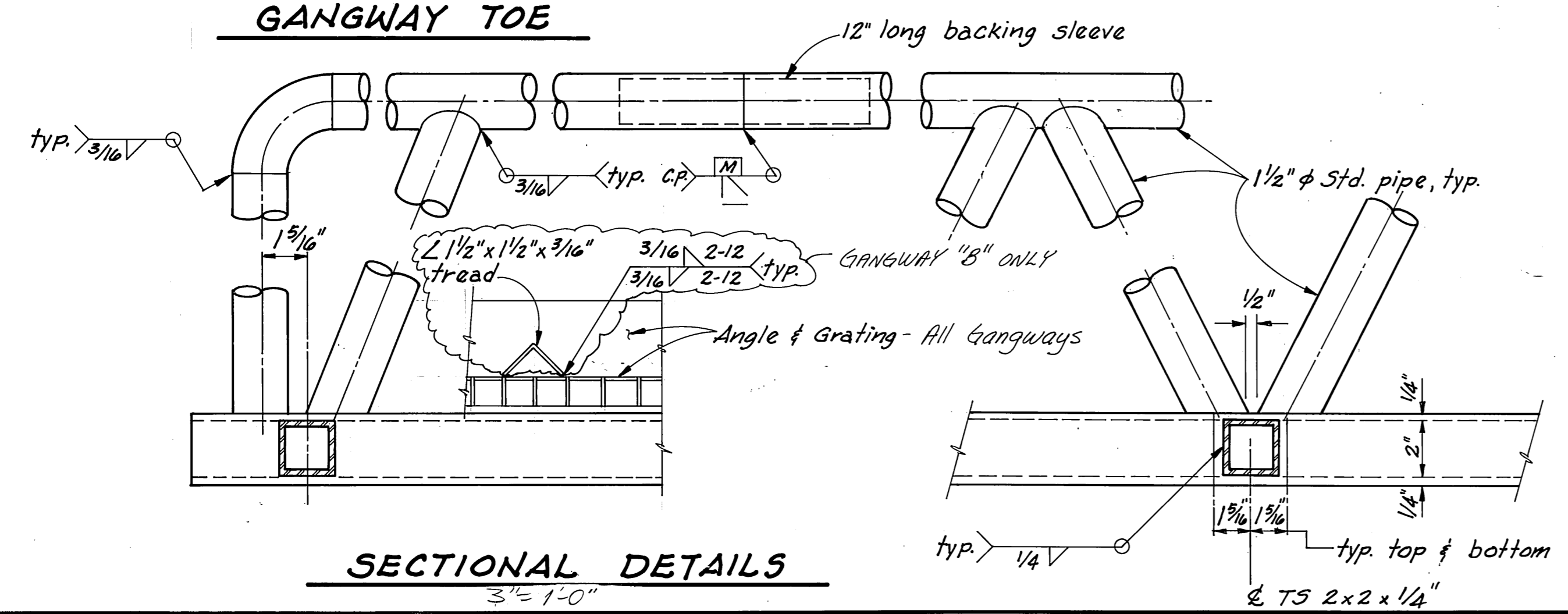
GANGWAY A
1/2" = 1'-0"



GANGWAY C
1/2" = 1'-0"



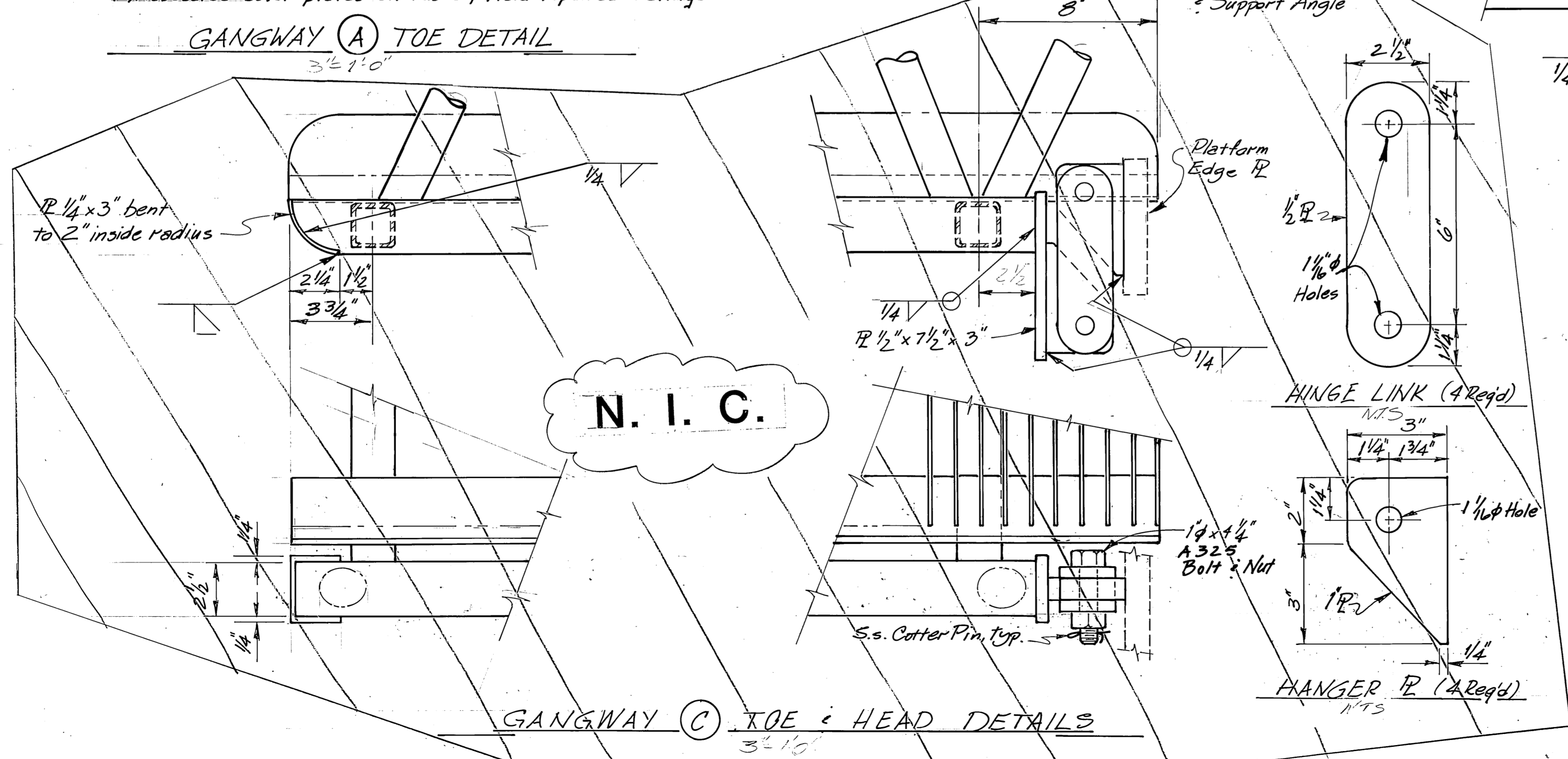
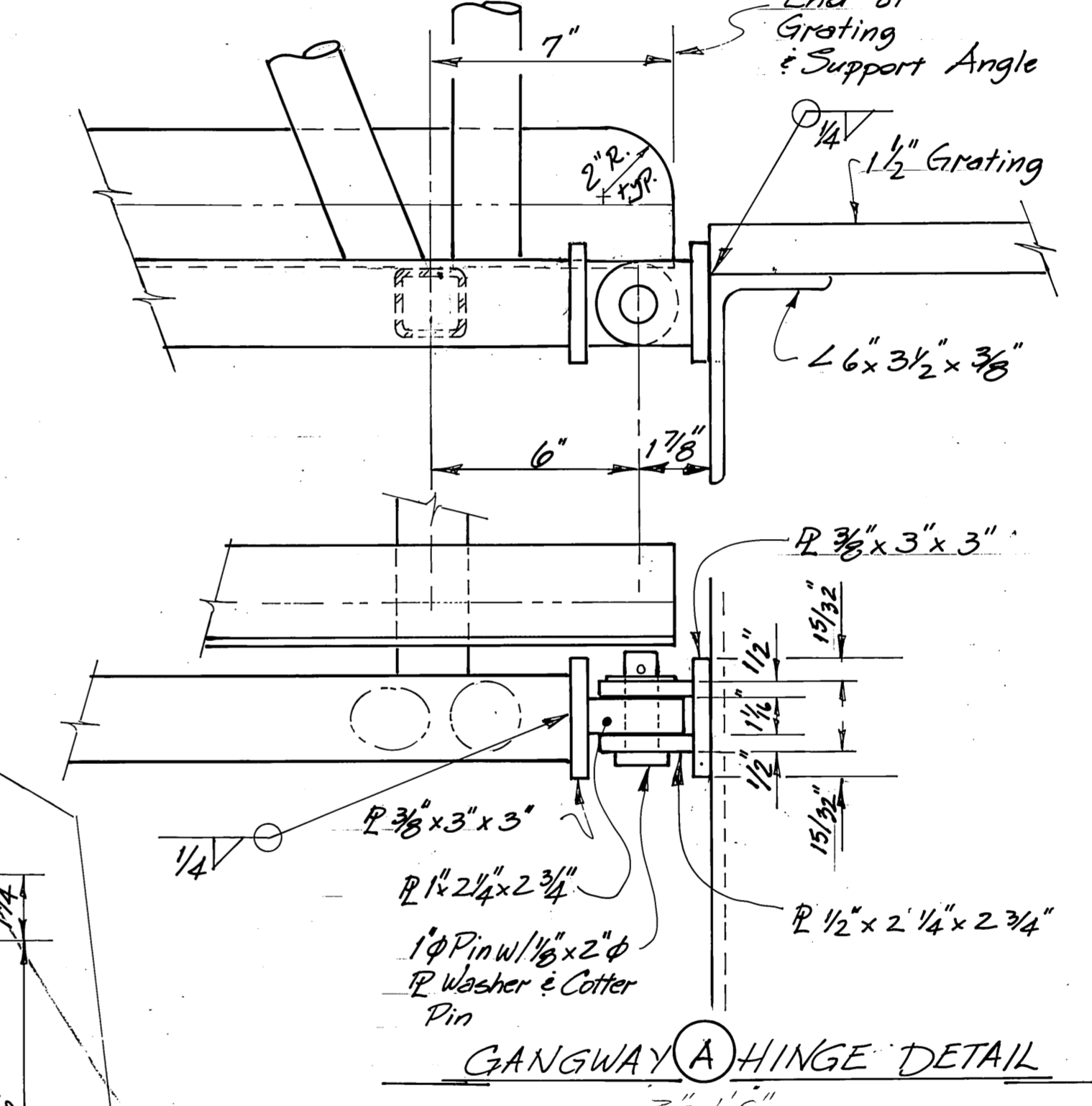
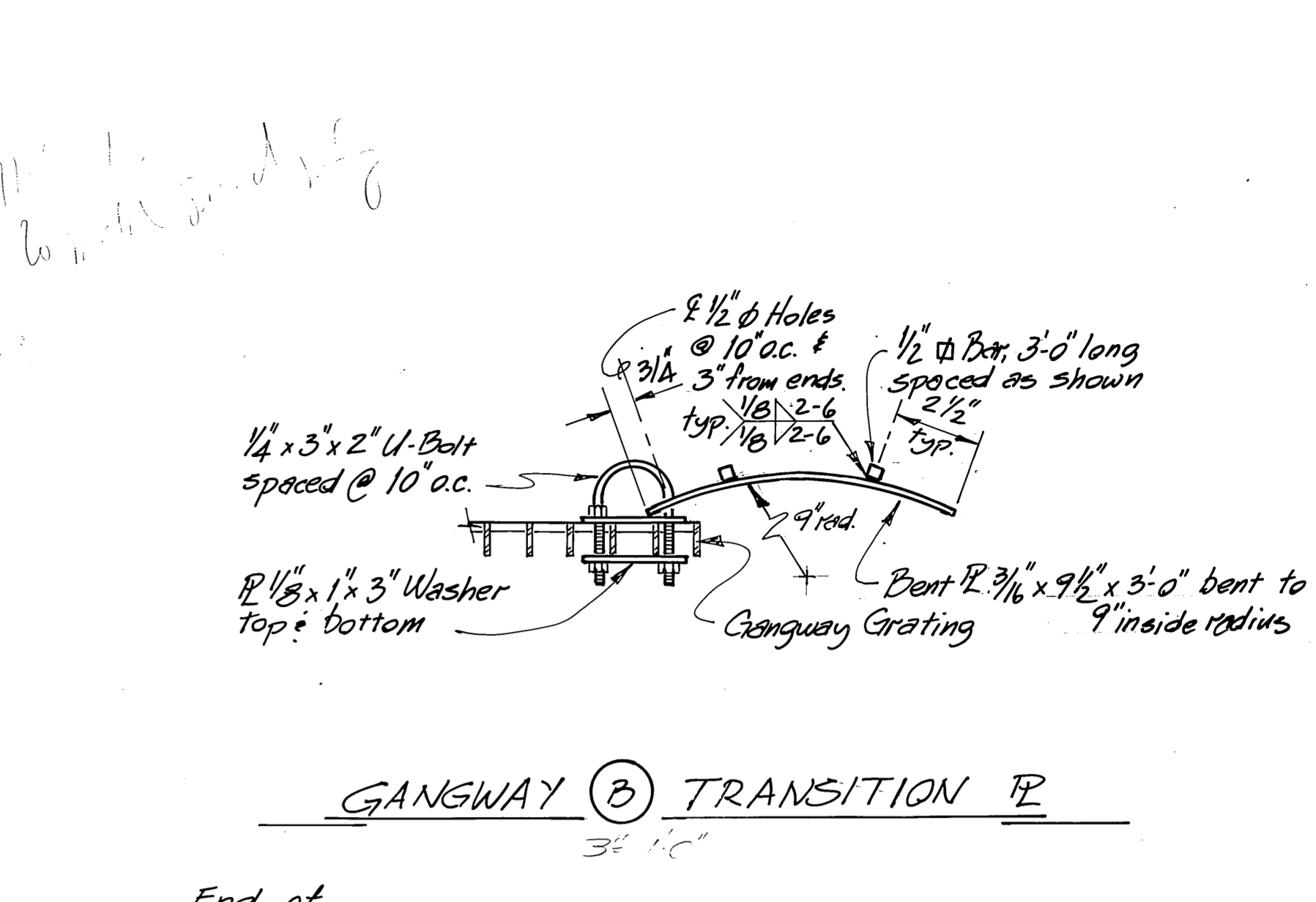
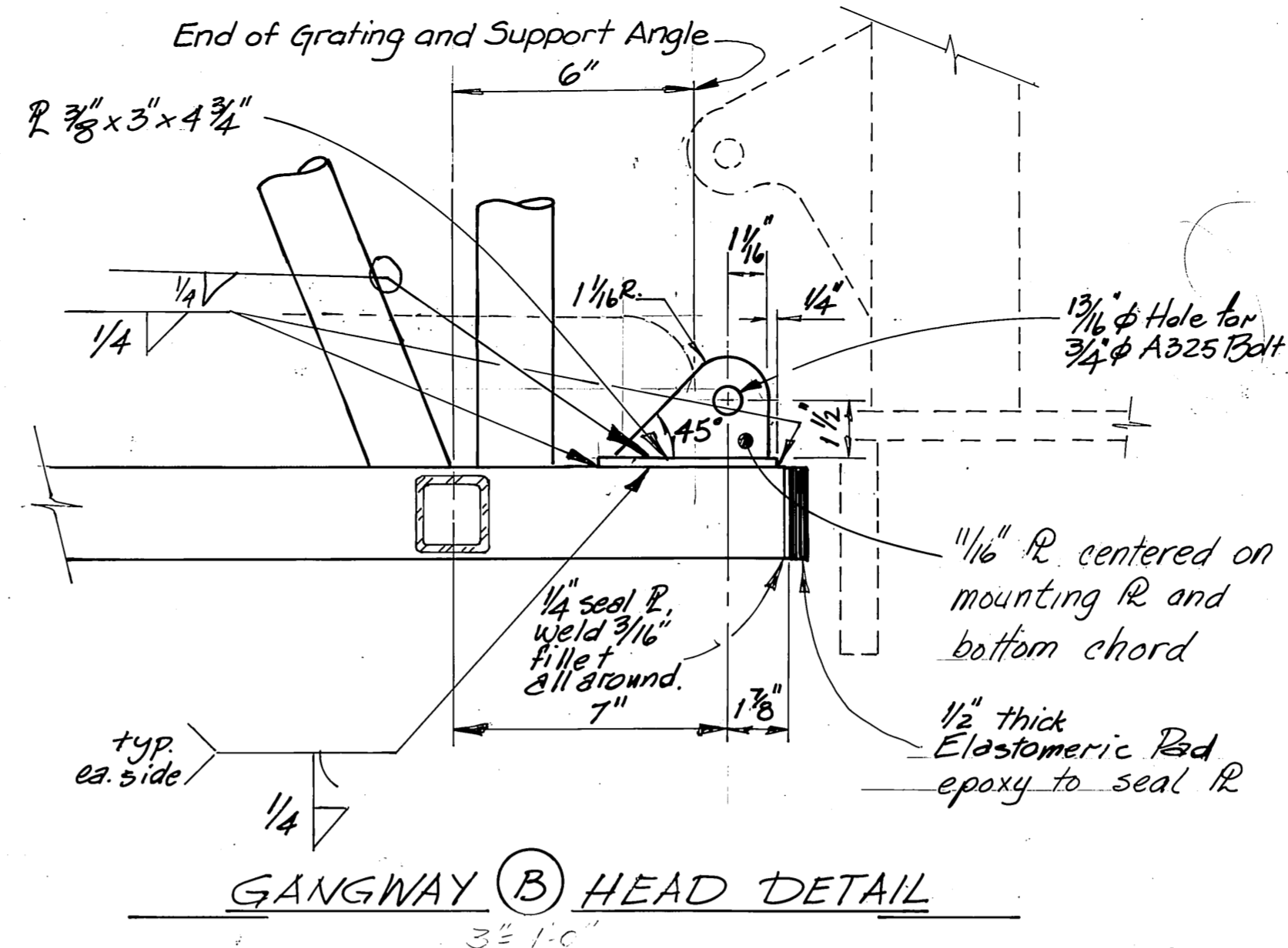
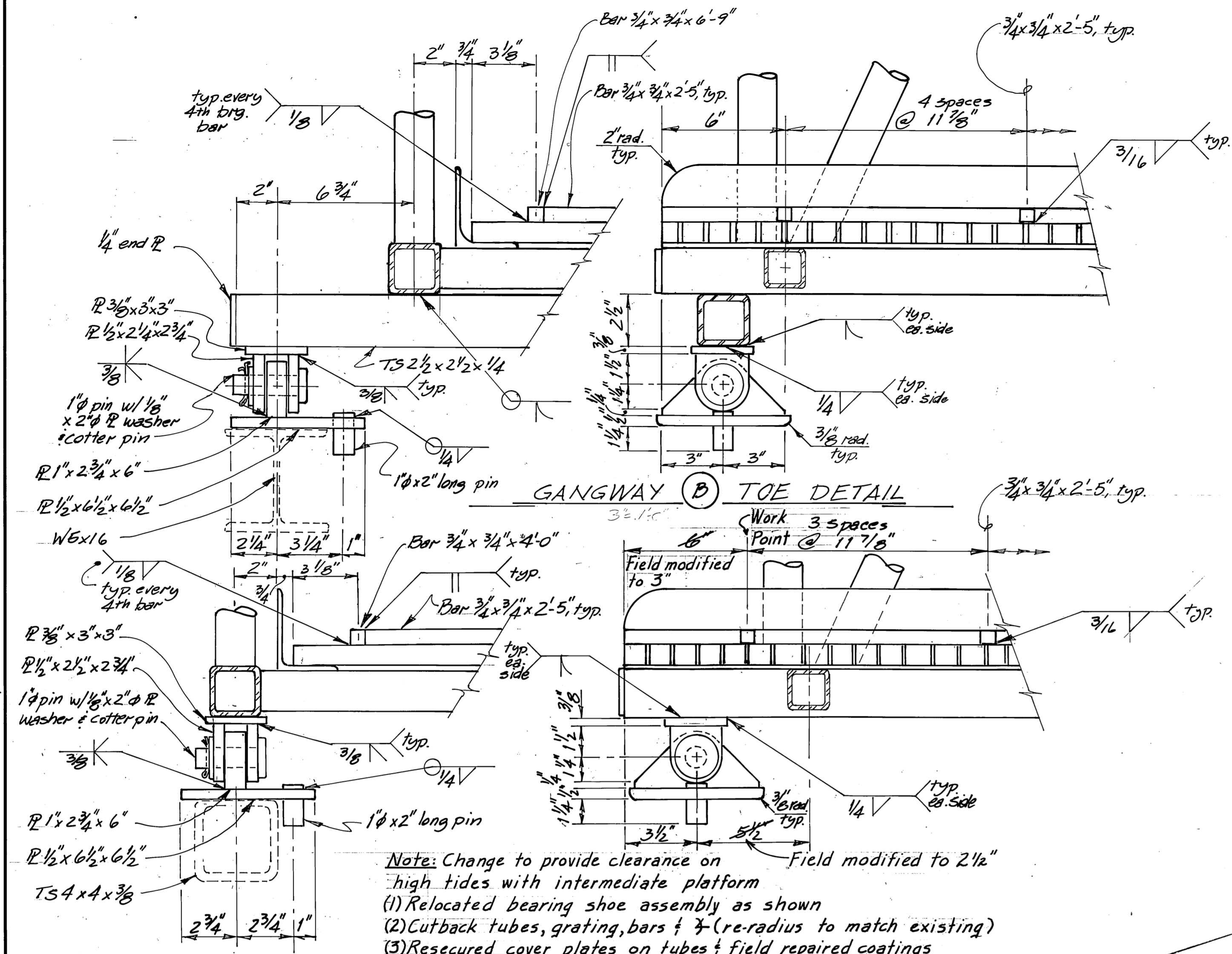
GANGWAY TOE



SECTIONAL DETAILS
3" = 1'-0"

AS BUILT Mark Johnson 1/26/89

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
SITKA		ALASKA	
GANGWAYS			
DESIGNED	BAS	CHECKED	JAL
DRAWN	BB	DATE	8-87
PROJECT NUMBER	RS-M-0935 (9)		SHEET 36 OF 41

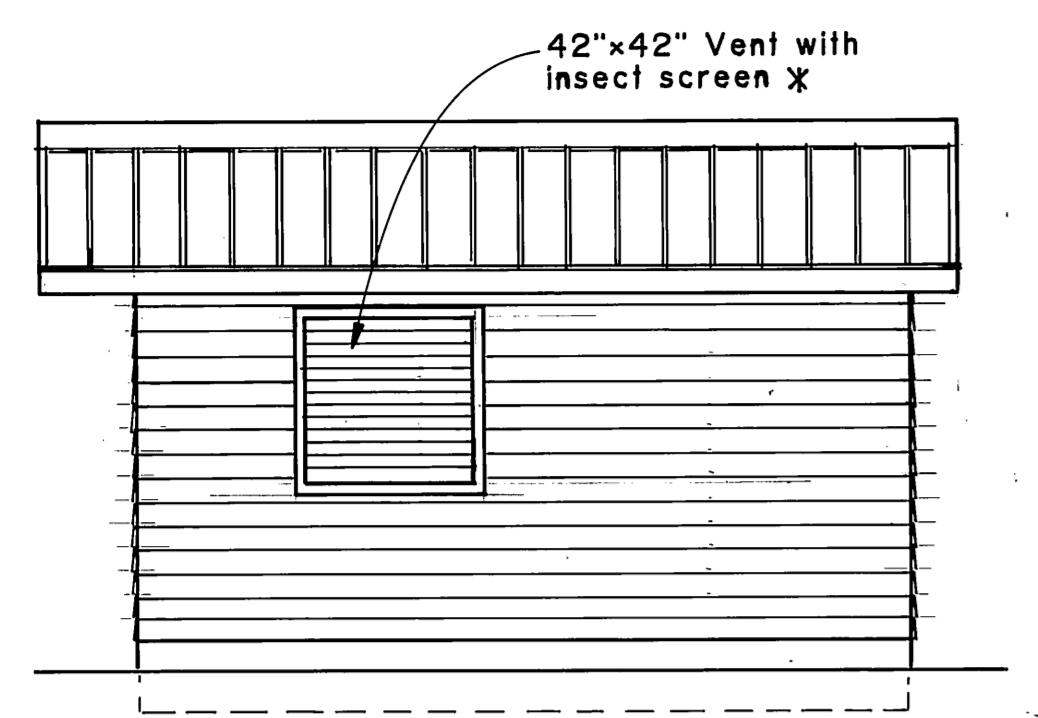


N. I. C.

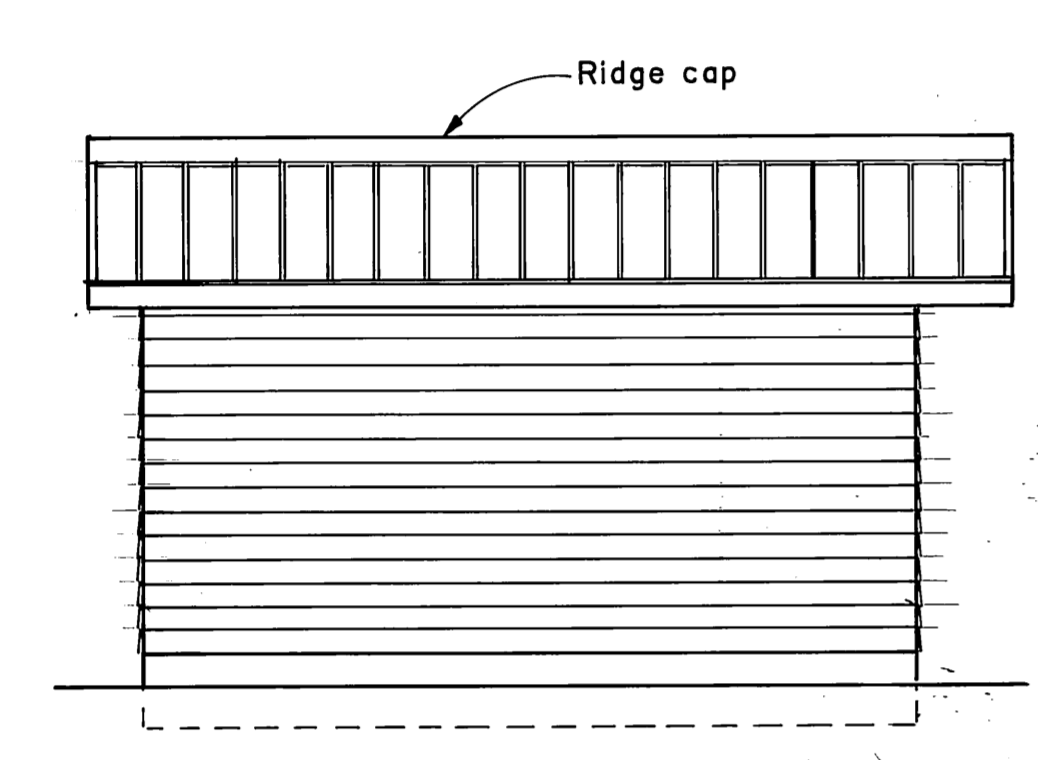
Gangway A weight ≈ 850 lbs.
 Gangway B weight ≈ 4200 lbs.
 Camber = +1/4" @ R

AS BUILT Mark Johnson 1/26/89

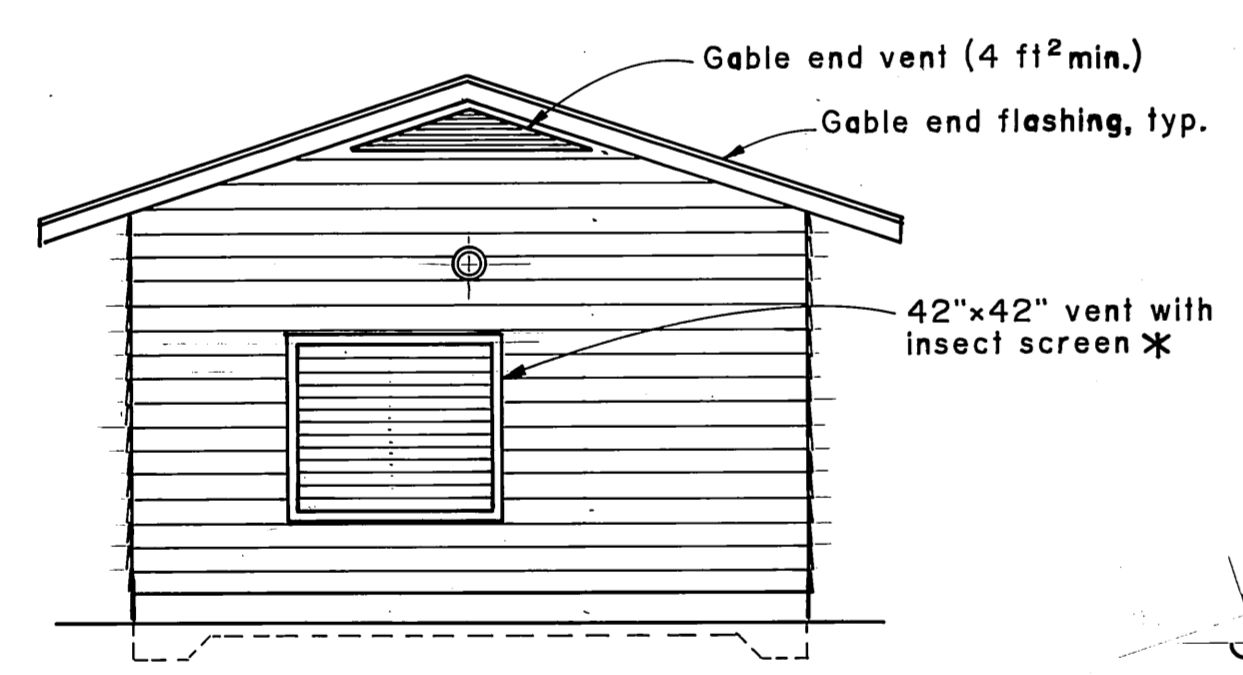
STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
Sitka		Alaska	
GANGWAY DETAILS			
DESIGNED <u>BAS</u>	CHECKED <u>W/M</u>	DRAWN <u>DB</u>	DATE <u>8-87</u>
PROJECT NUMBER <u>RS-M-0935 (9)</u>	SHEET <u>37</u> OF <u>41</u>		



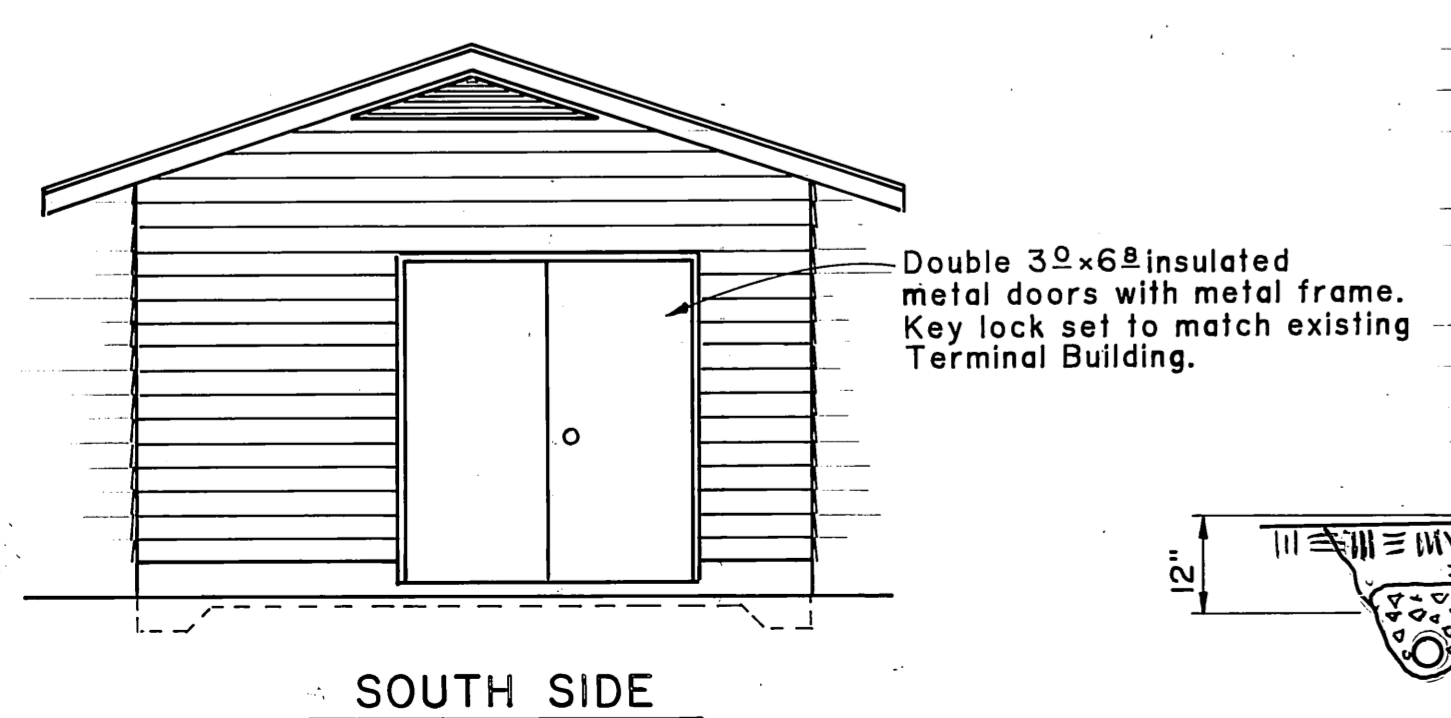
EAST SIDE



WEST SIDE

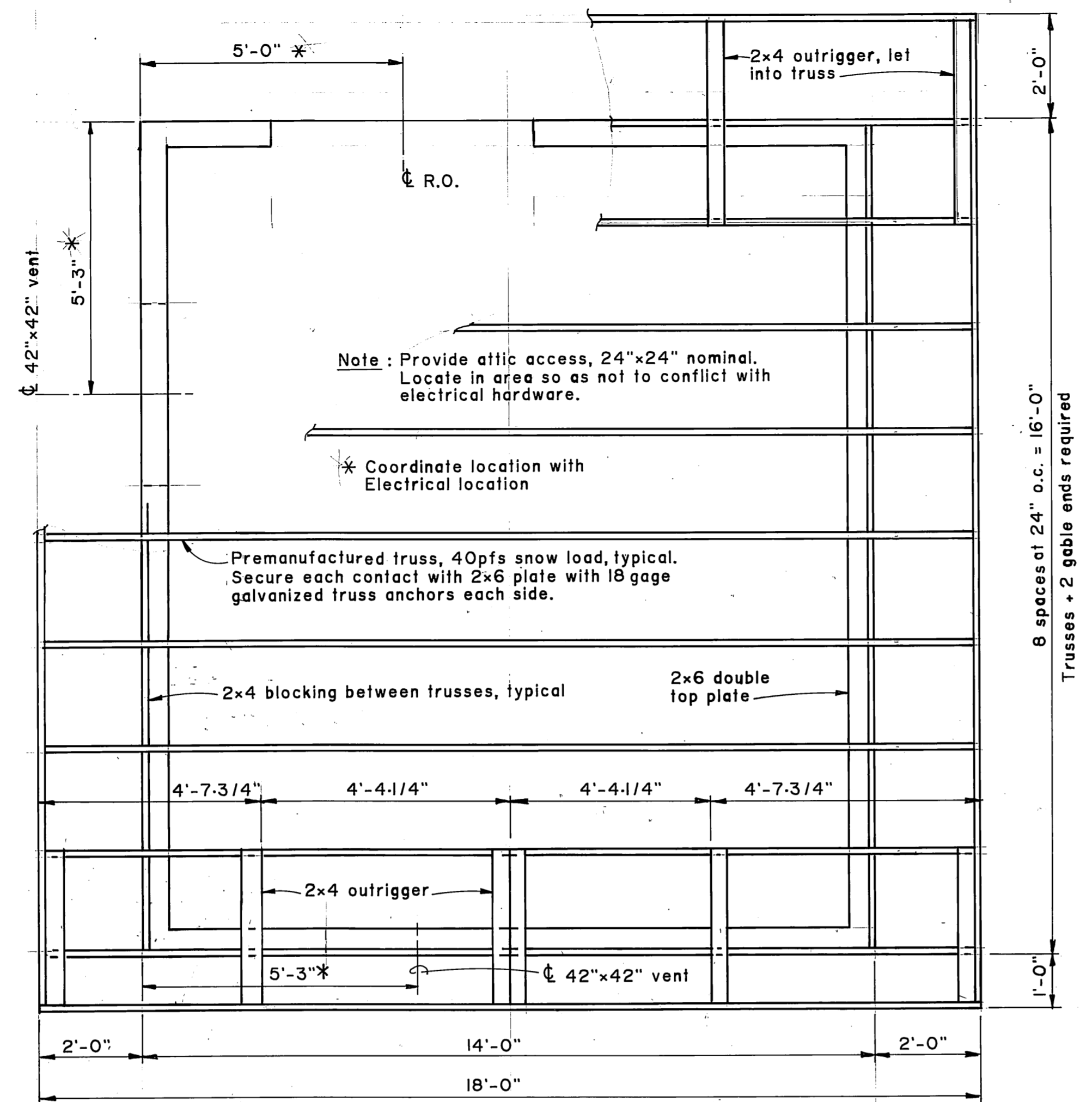


NORTH SIDE



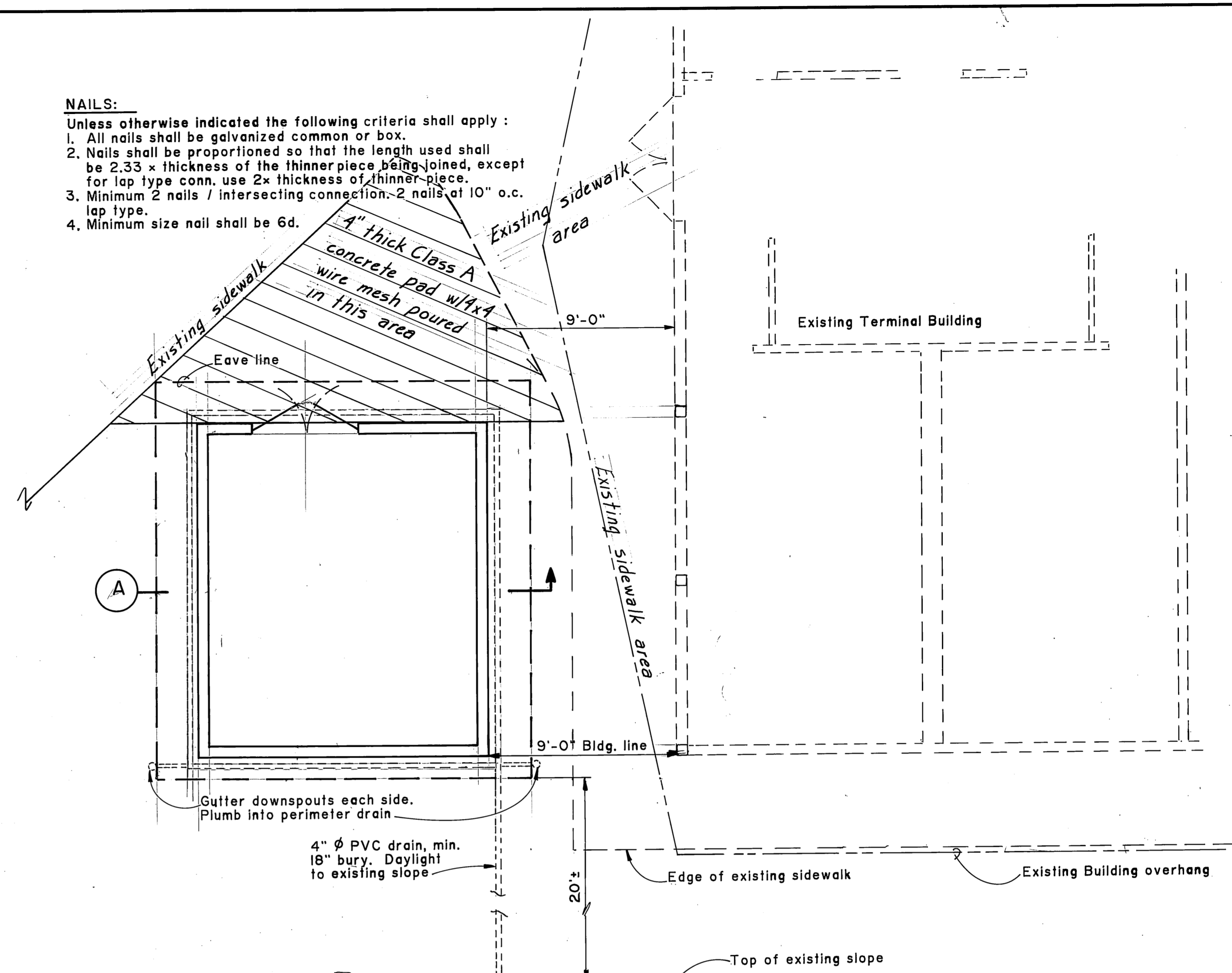
SOUTH SIDE

ELEVATIONS

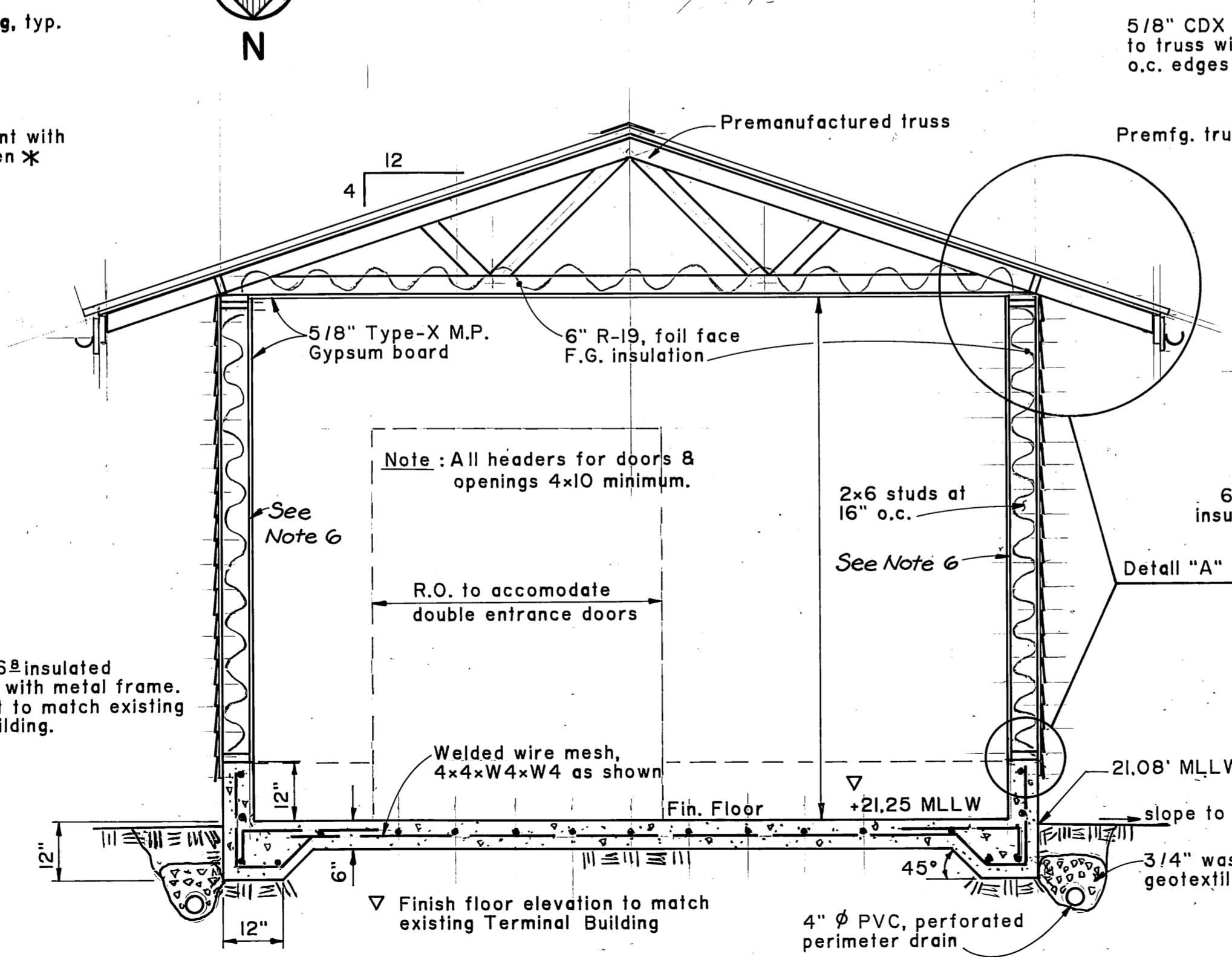


FLOOR PLAN & ROOF FRAMING DETAILS

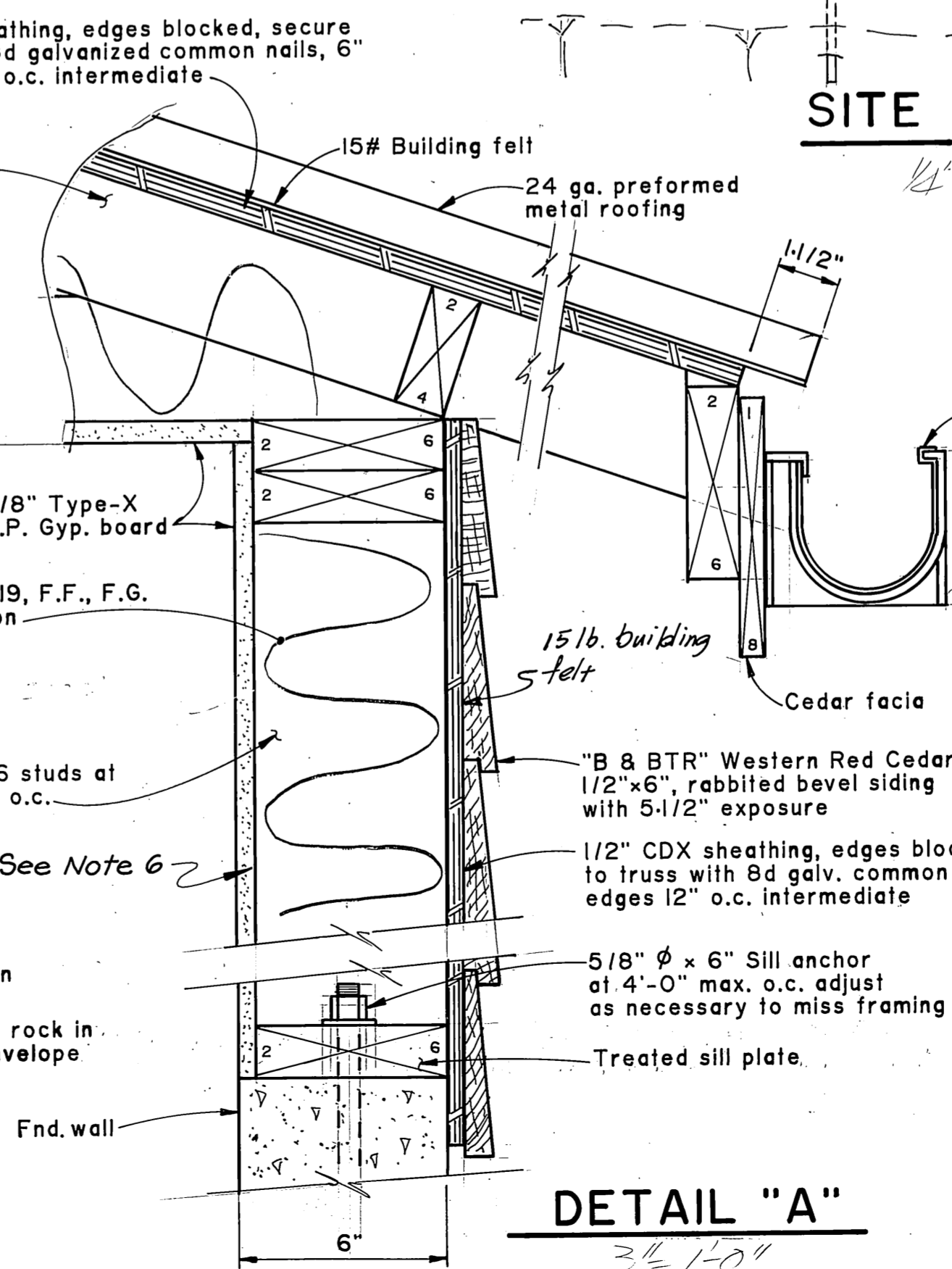
- NAILS:**
Unless otherwise indicated the following criteria shall apply:
- All nails shall be galvanized common or box.
 - Nails shall be proportioned so that the length used shall be 2.33 x thickness of the thinner piece being joined, except for lap type conn. use 2x thickness of thinner piece.
 - Minimum 2 nails / intersecting connection. 2 nails at 10" o.c. lap type.
 - Minimum size nail shall be 6d.



SITE PLAN



SECTION A



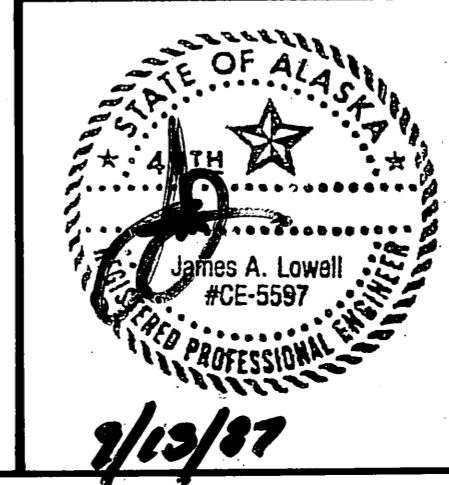
DETAIL "A"

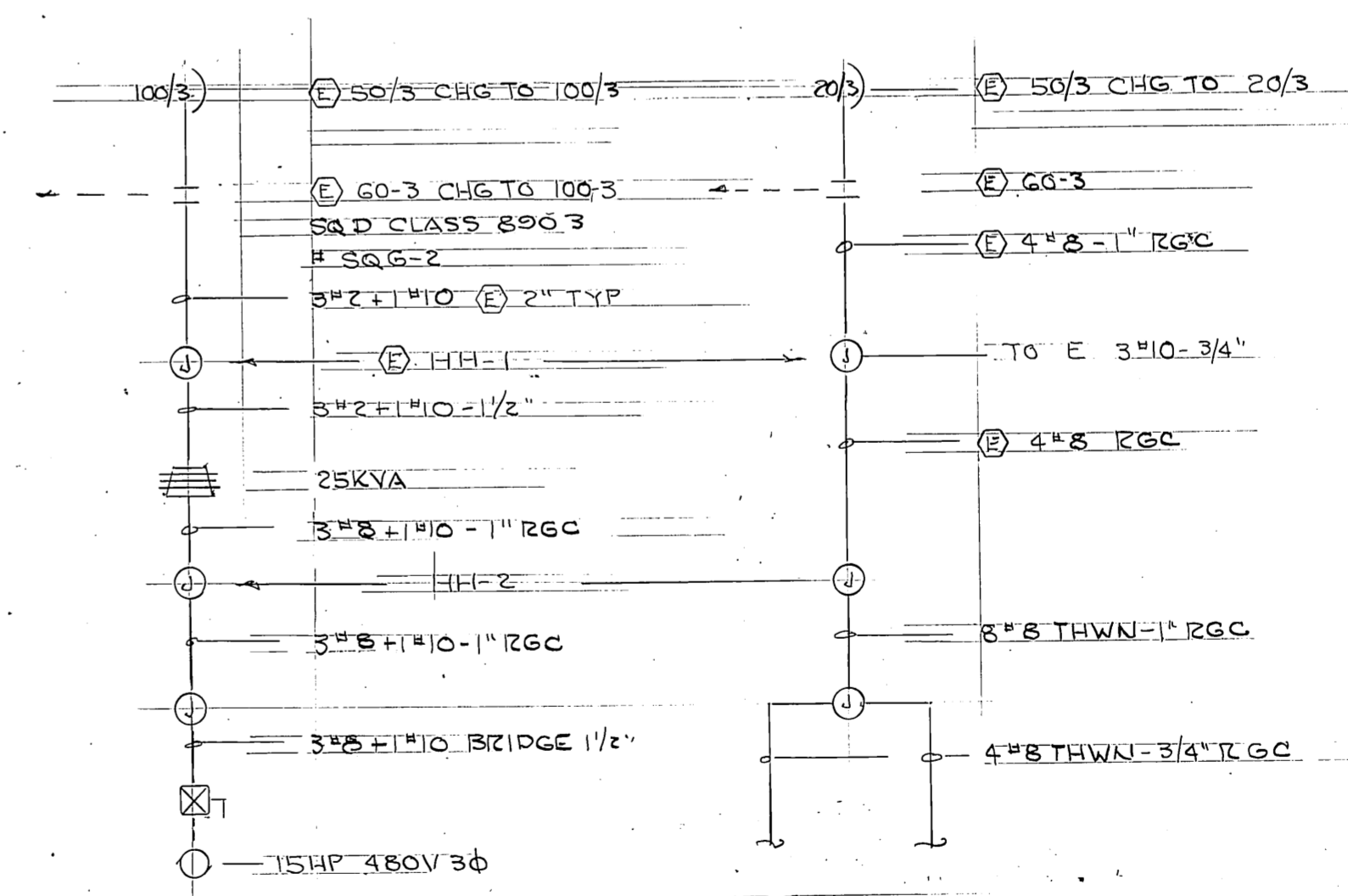
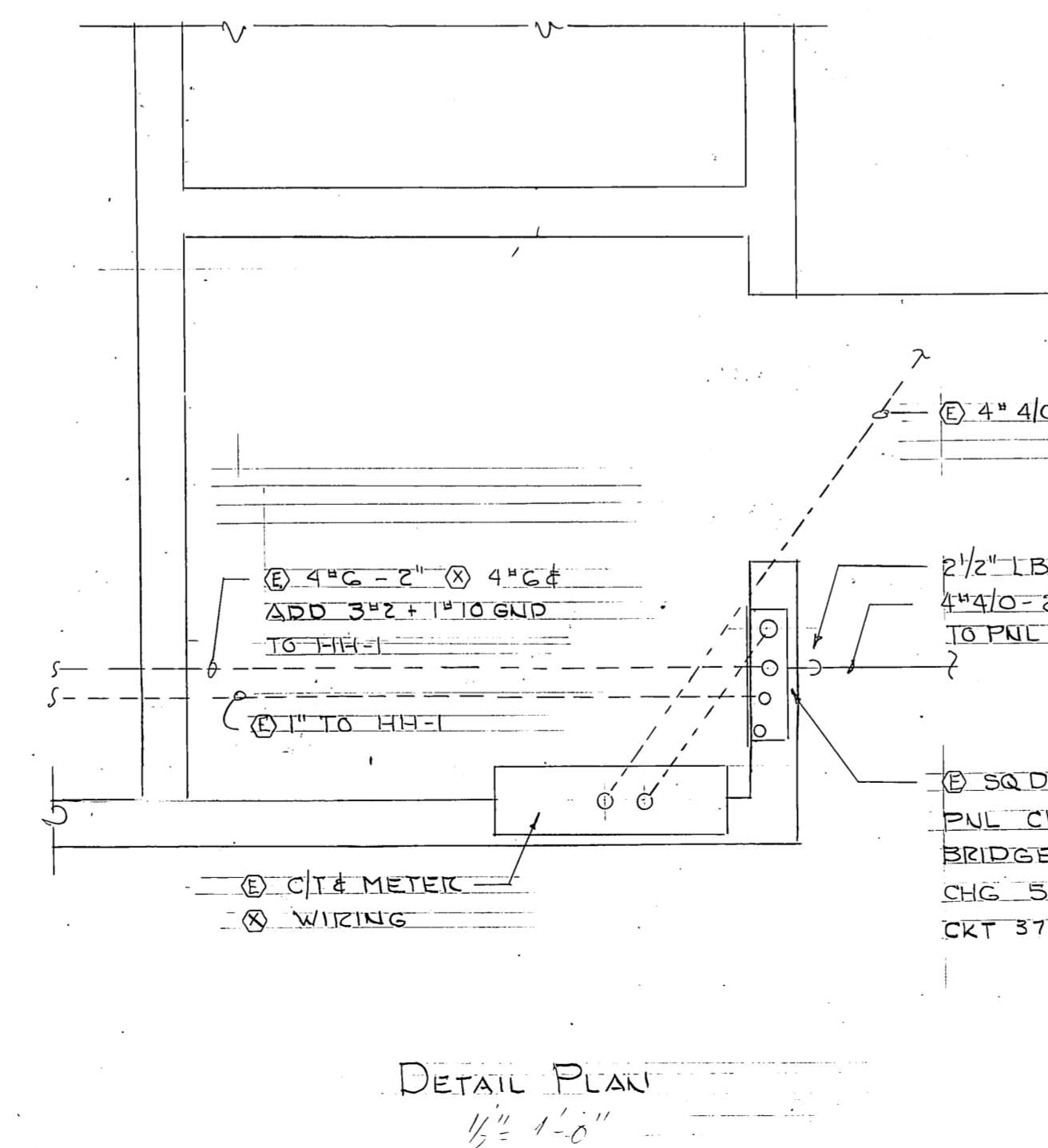
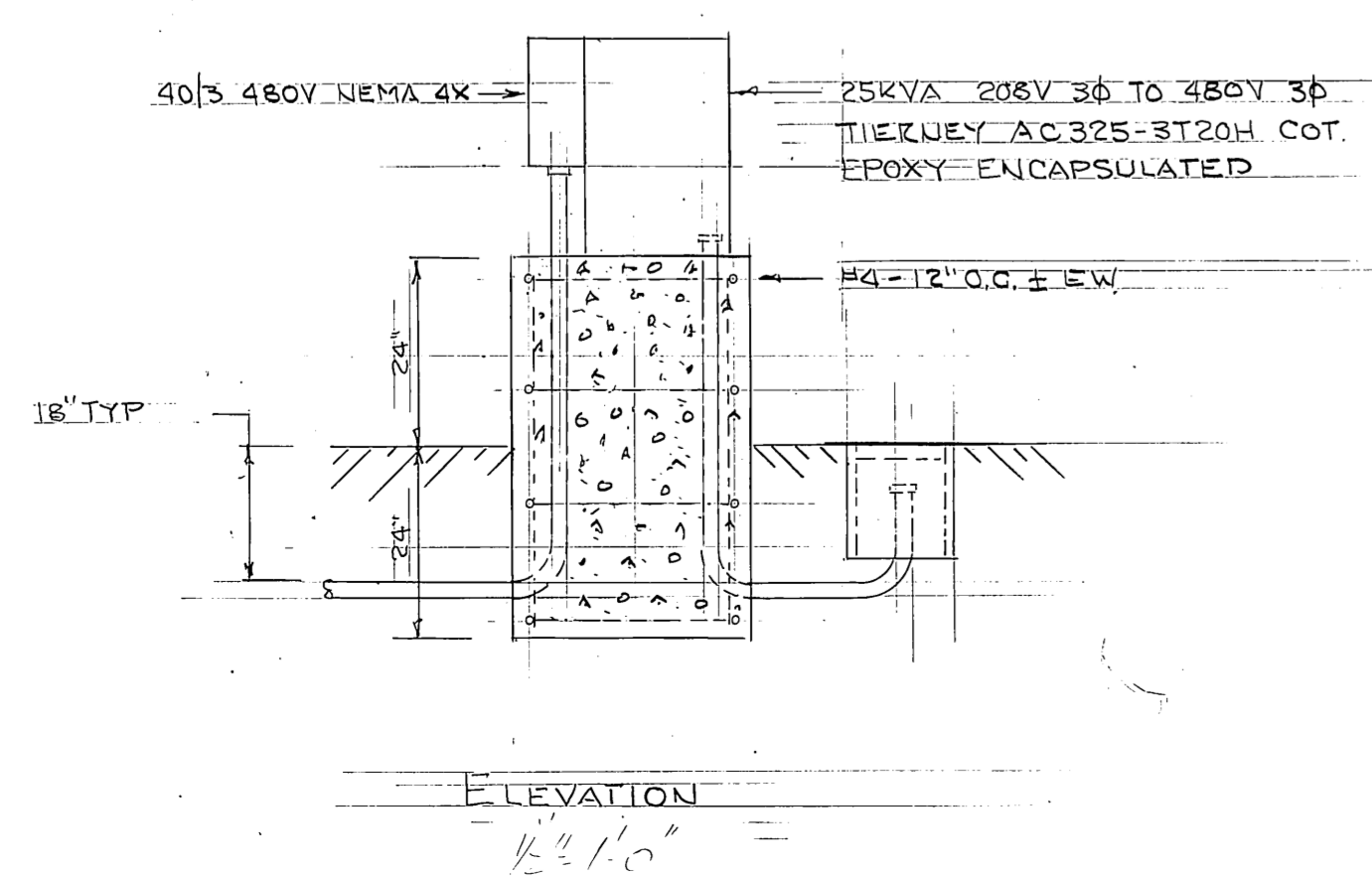
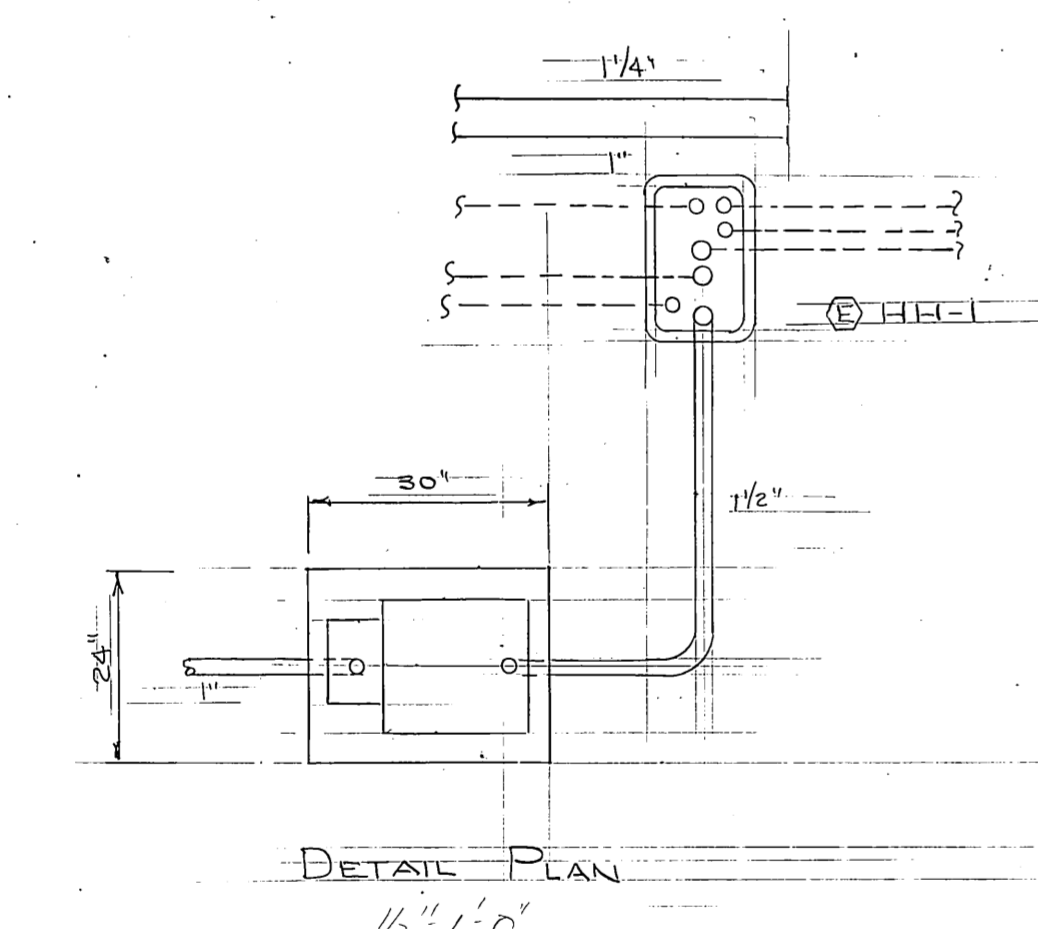
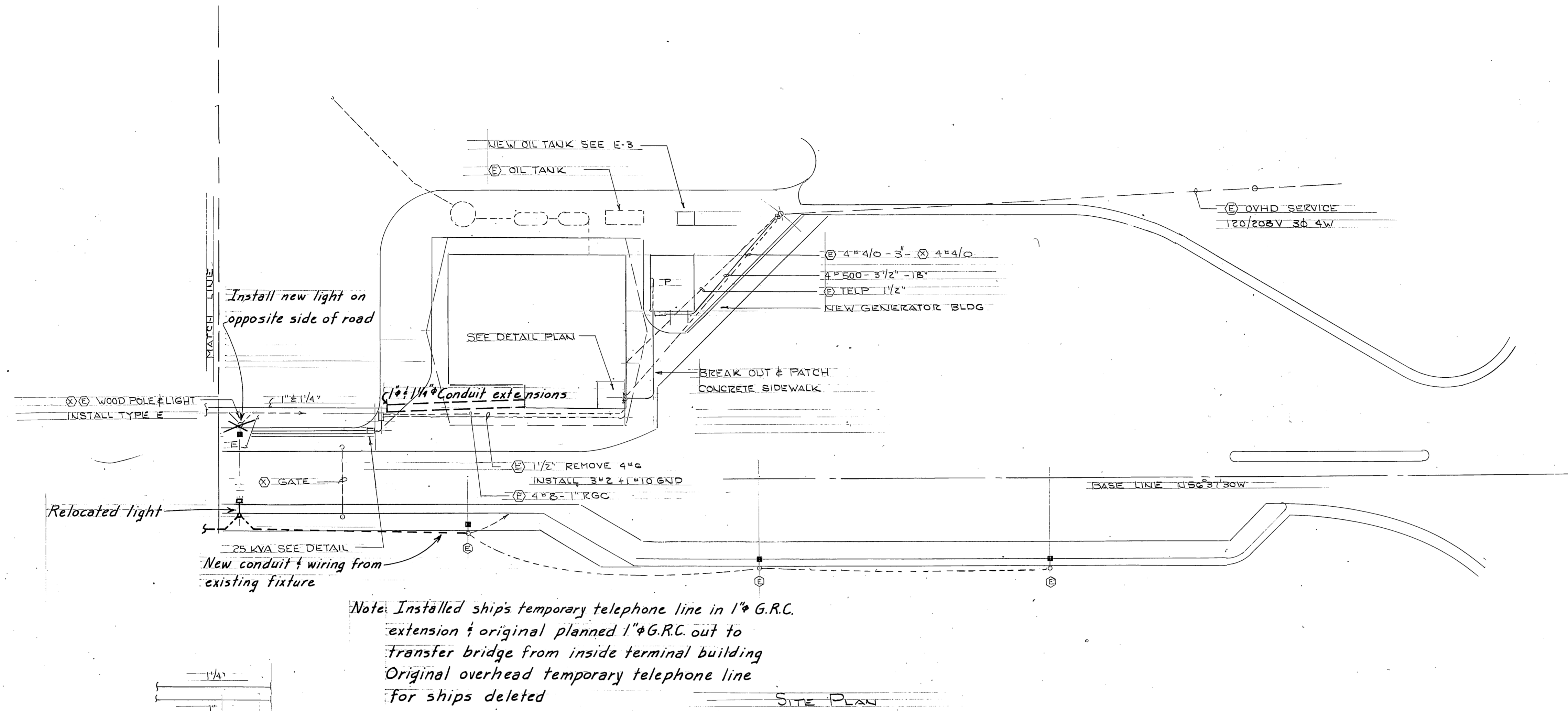
GENERAL NOTES:

- Color schedule selected for exterior shall be coordinated to match existing Terminal Building. Contractor to verify existing schedule.
 - Doors and hardware shall be selected to reasonably match existing.
 - Preformed metal roofing profile, style and color shall be selected to reasonably match existing.
 - Exterior openings shall be trimmed with 1x3 cedar, mitered corners.
 - Louvered vents shall be selected to be compatible with mechanical operated vents specified by electrical.
 - Contractor may utilize 3/4" AC Ply Sheathing on interior face of equipment wall under the Gyp. board to ease panel mounting.
- Trim is 1x4 cedar instead of 1x3

AS BUILT Mark Johnson 1/26/89

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
SITKA		ALASKA	
GENERATOR BUILDING			
DESIGNED JAL	CHECKED JS	DRAWN JAL/BB	DATE 9/87
PROJECT NUMBER RS-M-0935 (9)	SHEET 38 OF 41		

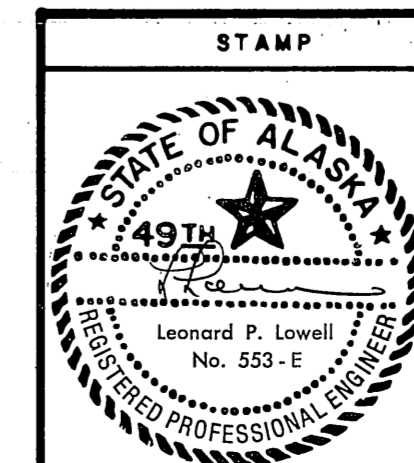




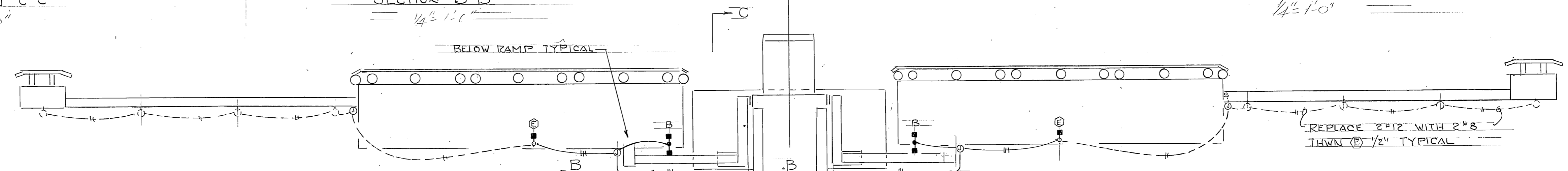
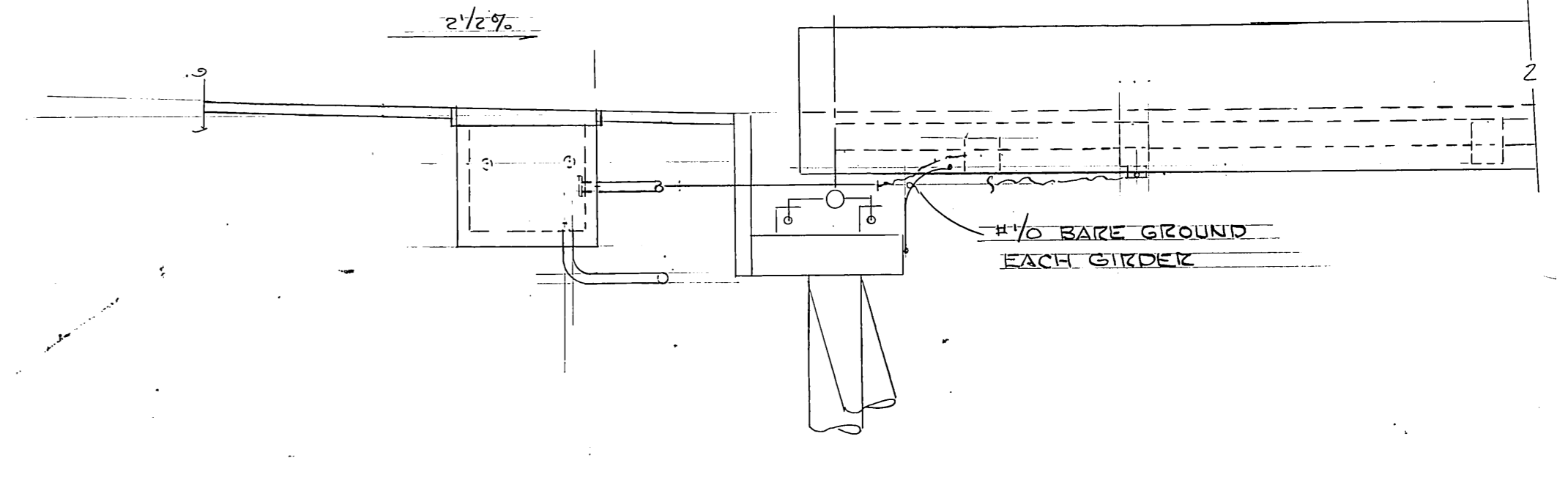
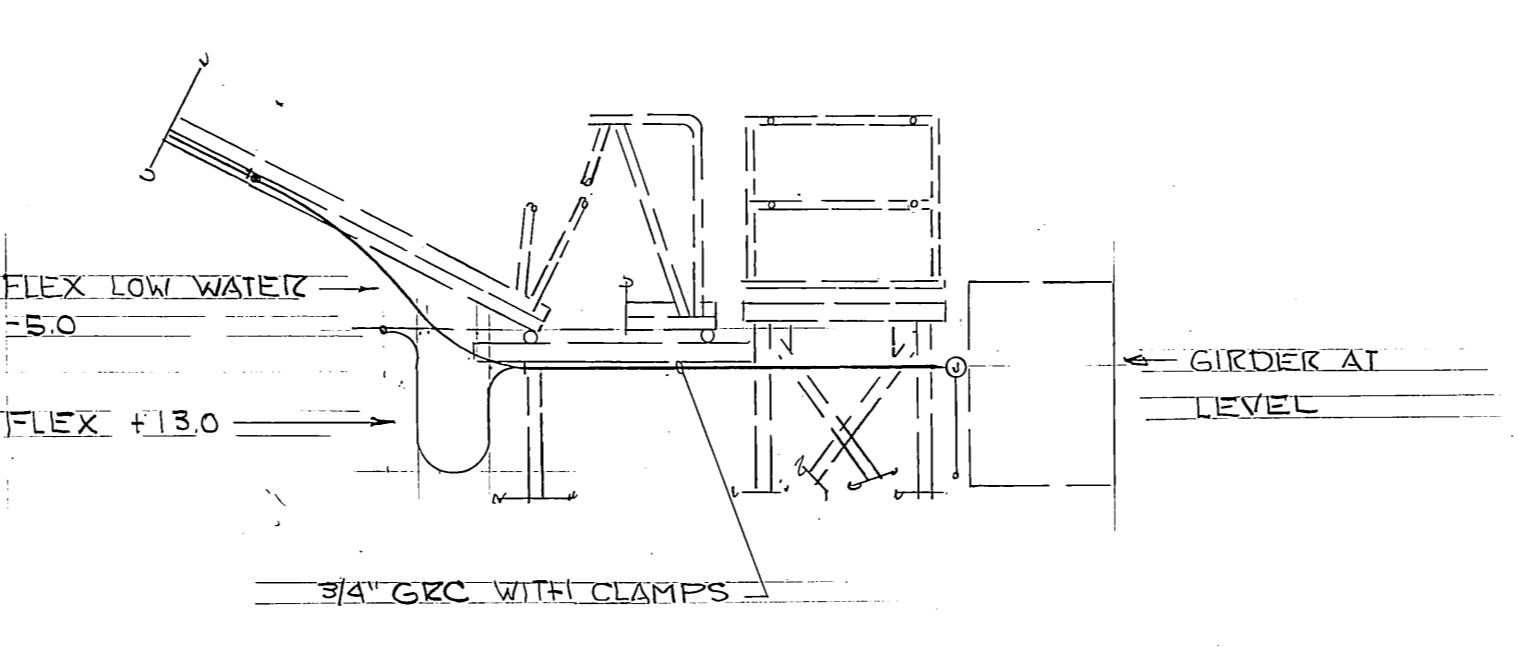
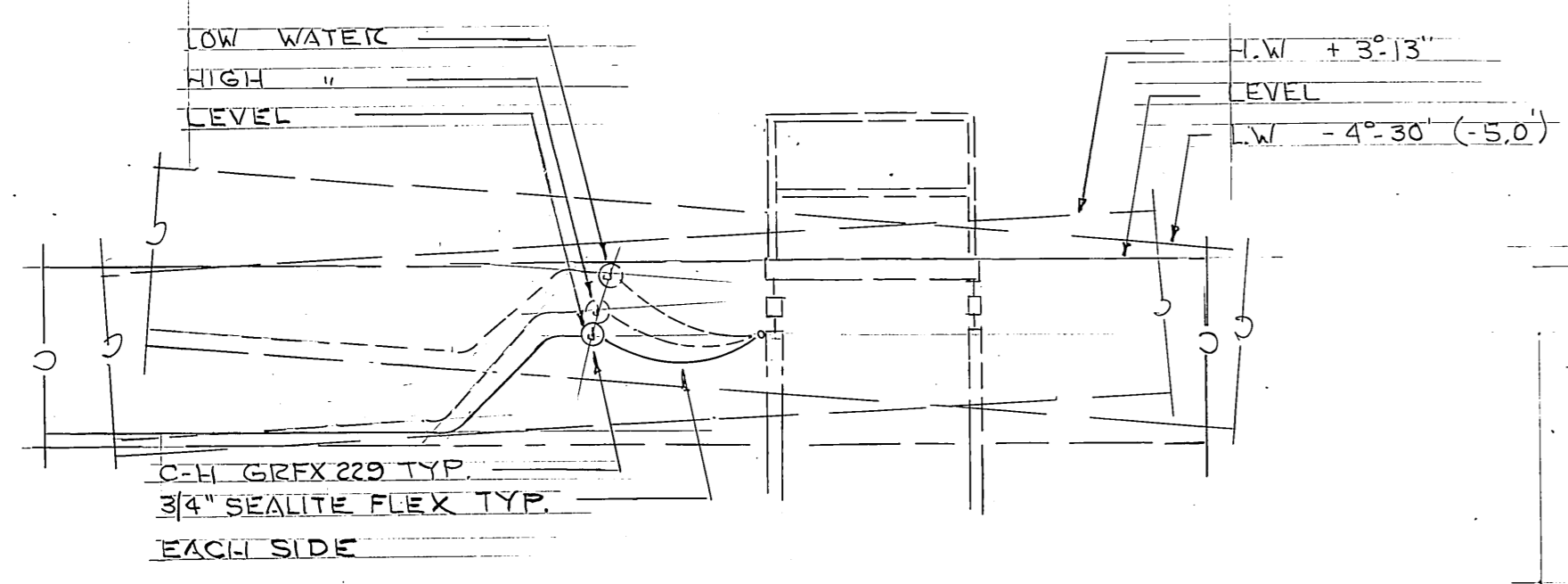
Note: Installed ship's temporary telephone line in 1" G.R.C. extension & original planned 1" G.R.C. out to transfer bridge from inside terminal building Original overhead temporary telephone line for ships deleted

See electrical subcontractor's As Builts (submitted) for additional changes

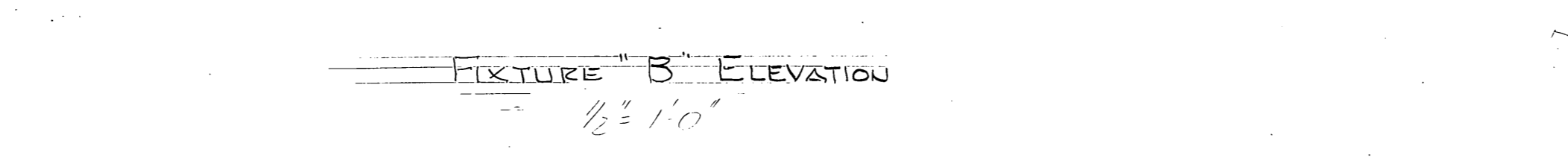
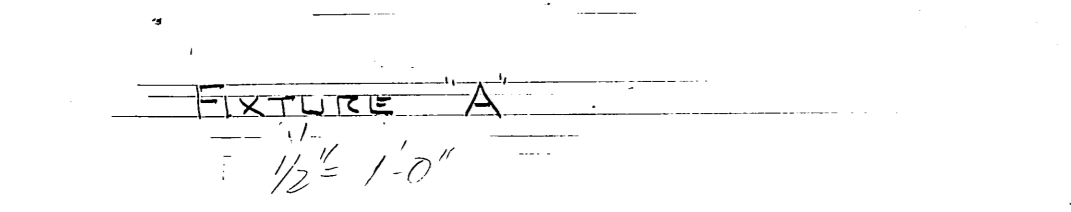
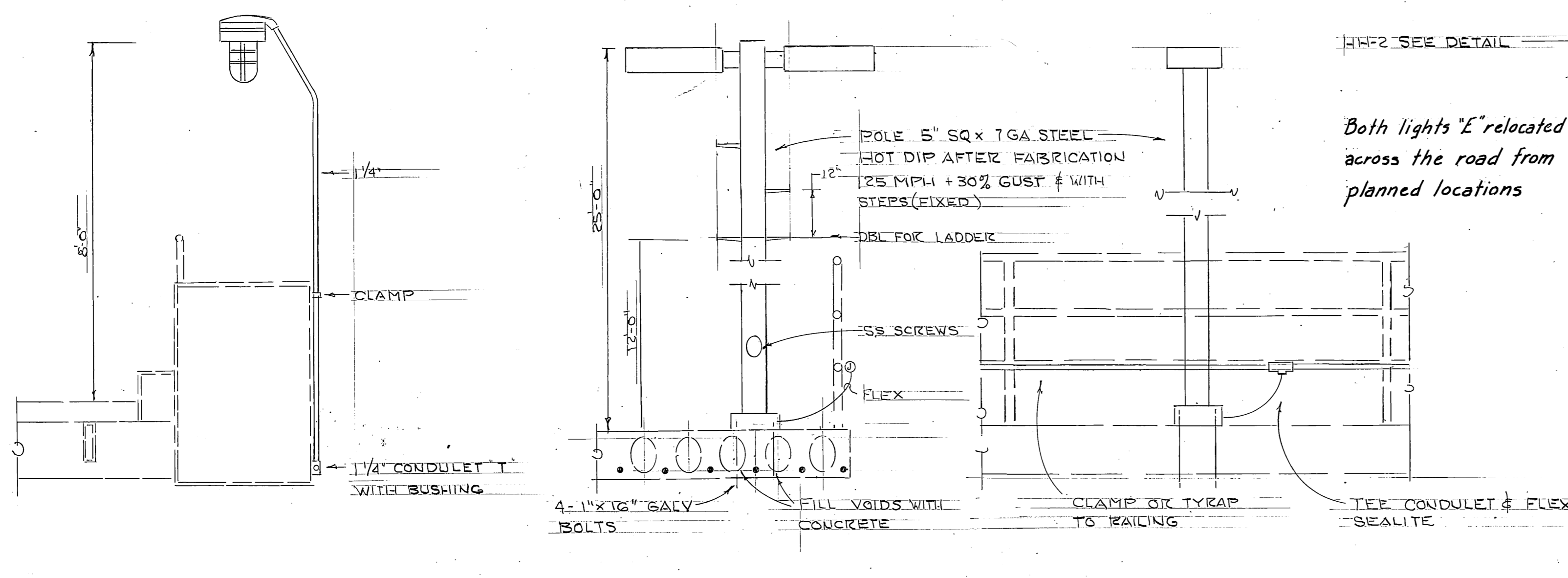
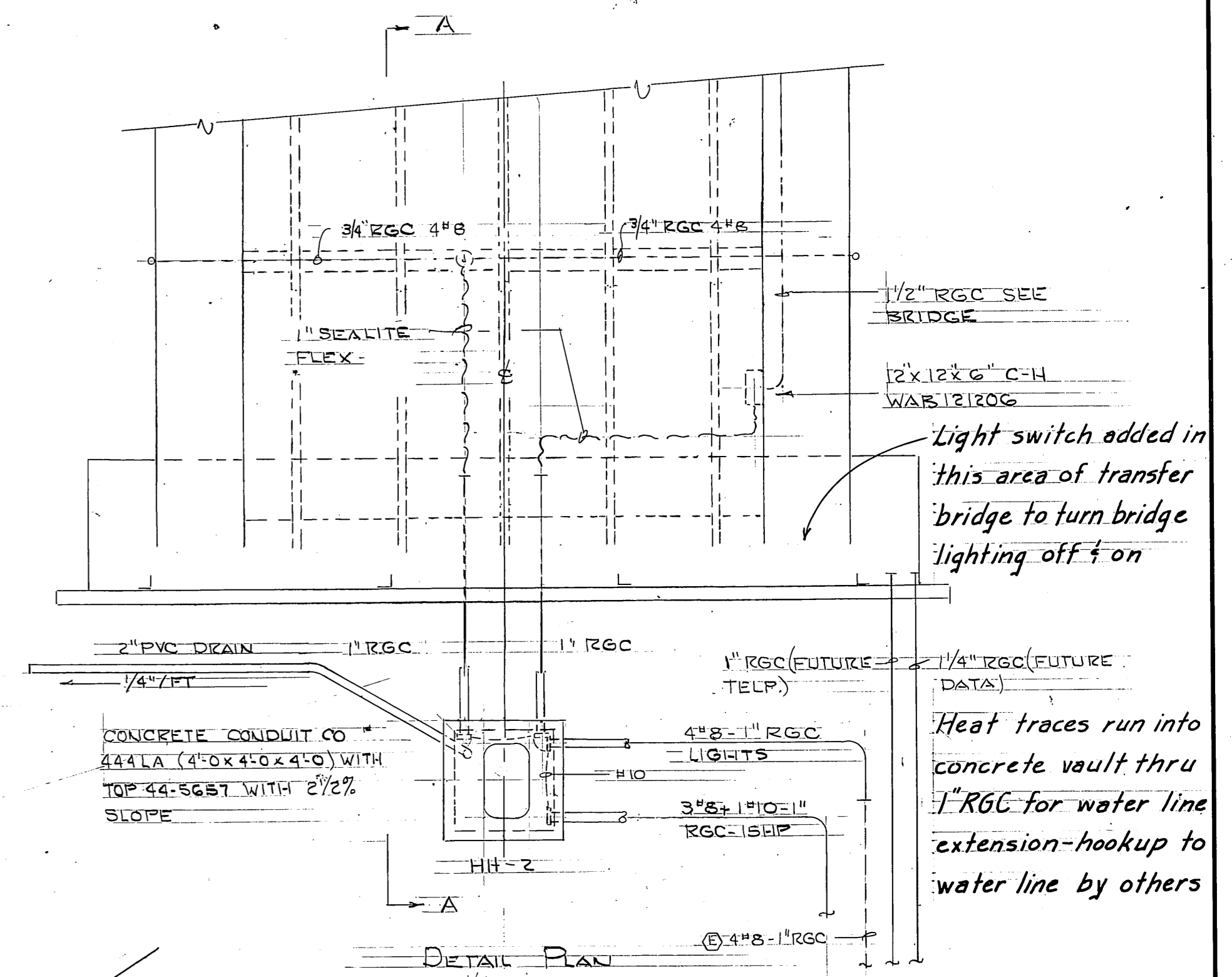
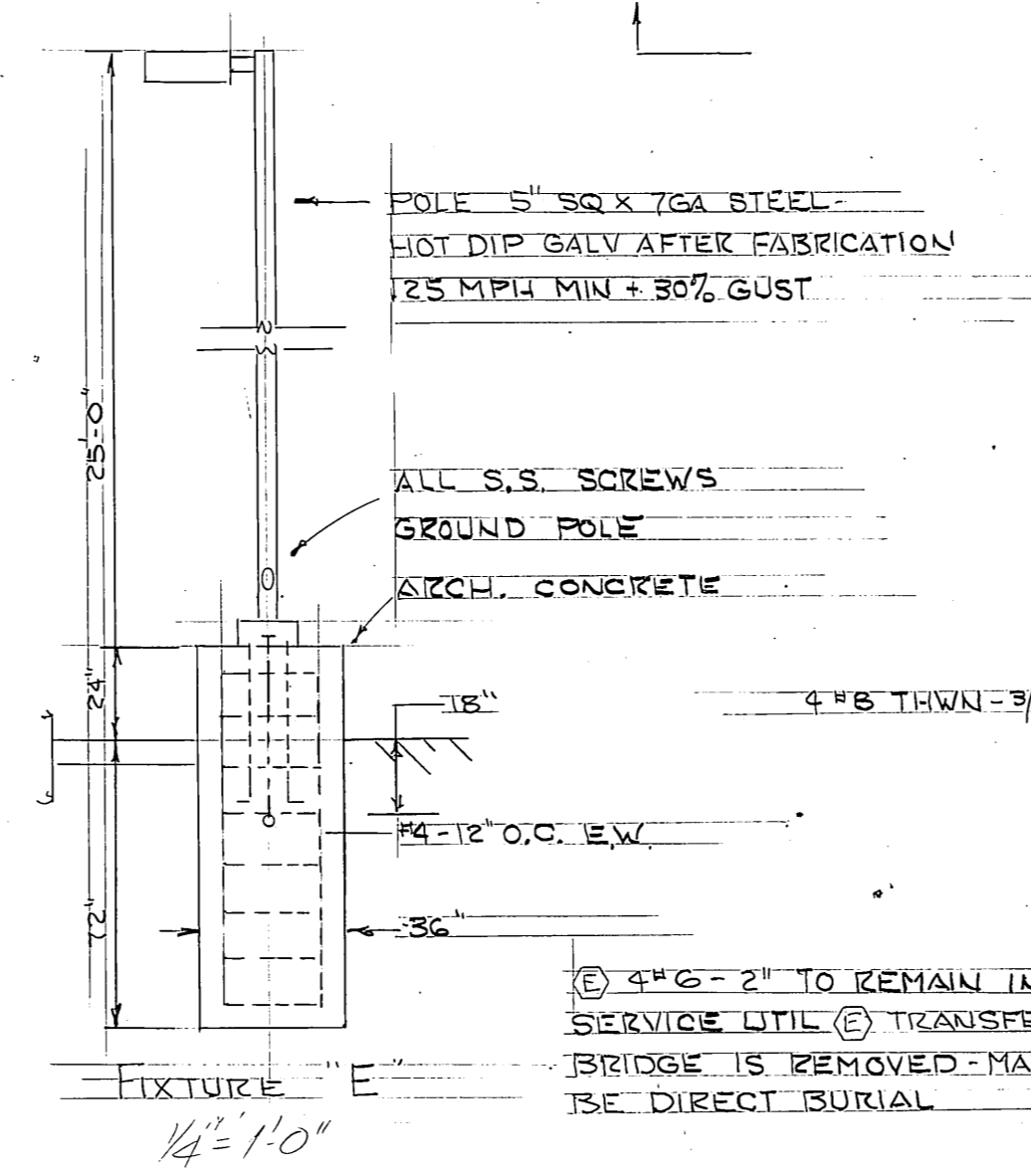
AS BUILT Mark Johnson 1/27/89



DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
Sitka		Alaska	
ELECTRICAL			
DESIGNED LPL	CHECKED LPL	DRAWN LPL	DATE 7-3-87
PROJECT NUMBER RS-M-0935 (9)		SHEET 39 OF 41	



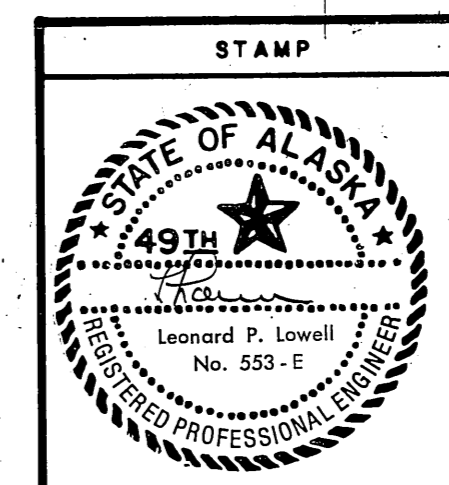
FIXTURE SCHEDULE			
TYPE	MFG	W	REMARKS
A	R4S SG-212-S4G	100 HPS	SEE DETAIL
	C-H VMVCJ100GP		
	APPLETON LPSL10125G-120		
	DEVINE PCR1522B-250HPS-DB-120	2-250HPS	INCL 153-1
B	ITT 154-H133-AJH-DB-120 (2)		
	McPHILBEN 1515-TG7-2D-DB-120		
	BENJAMIN FL1024-4U-FLL175	2-40RS	CEILING
C	LITHONIA AF10-240-FW-3		
	MILLER ET 2101-04-ET100221		
D	McPHILBEN 3W-20-BX-P5G23		MATCH EXISTING
	DEVINE PCR1522A-250MH-DB120	250 MH	SEE DETAIL
E	ITT 154-H133-AJH-DB-120		EXCEPT MH
	McPHILBEN 1515-TG7-1D-DB-120		



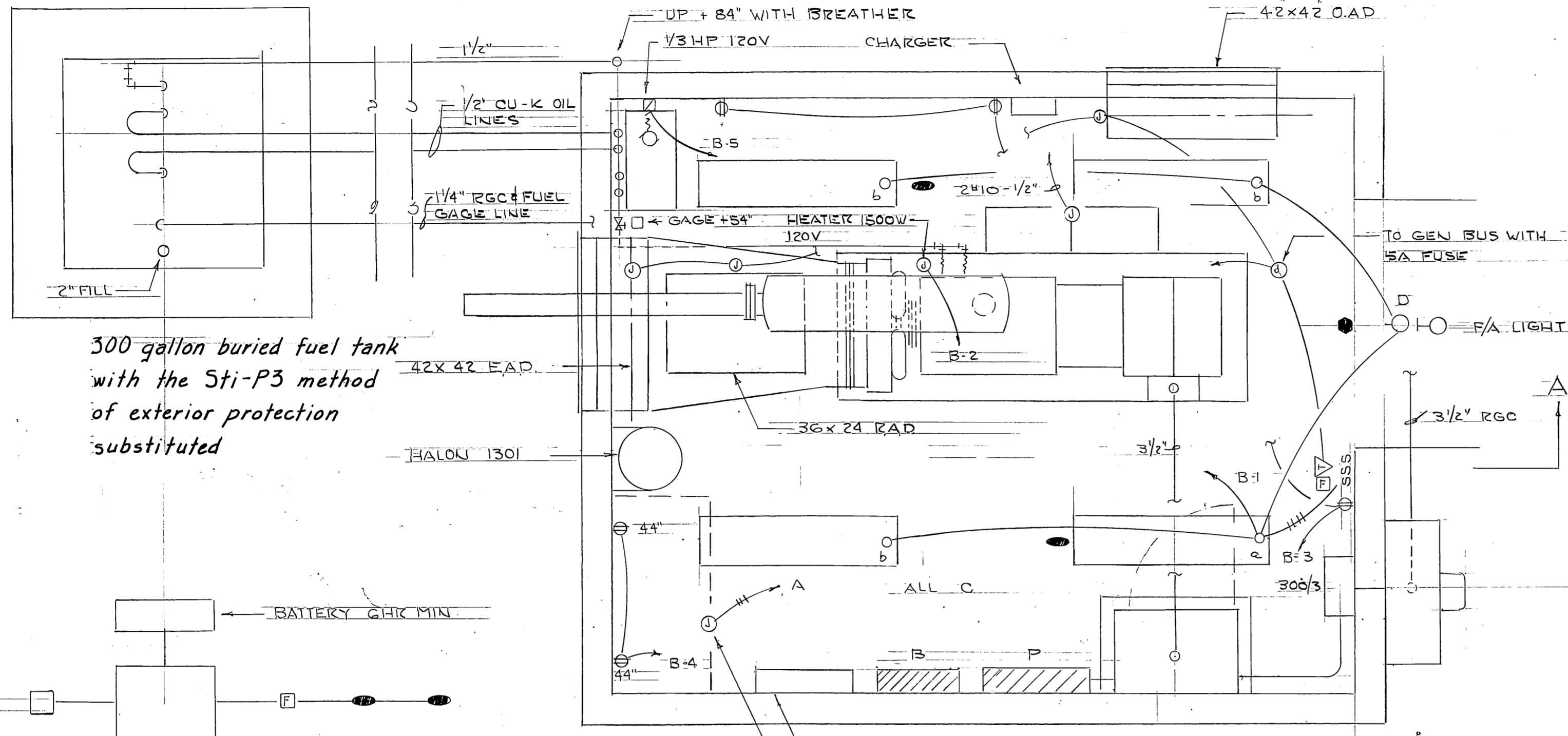
Both lights "E" relocated across the road from planned locations

See Electrical Subcontractor's As Builts (submitted) for additional changes

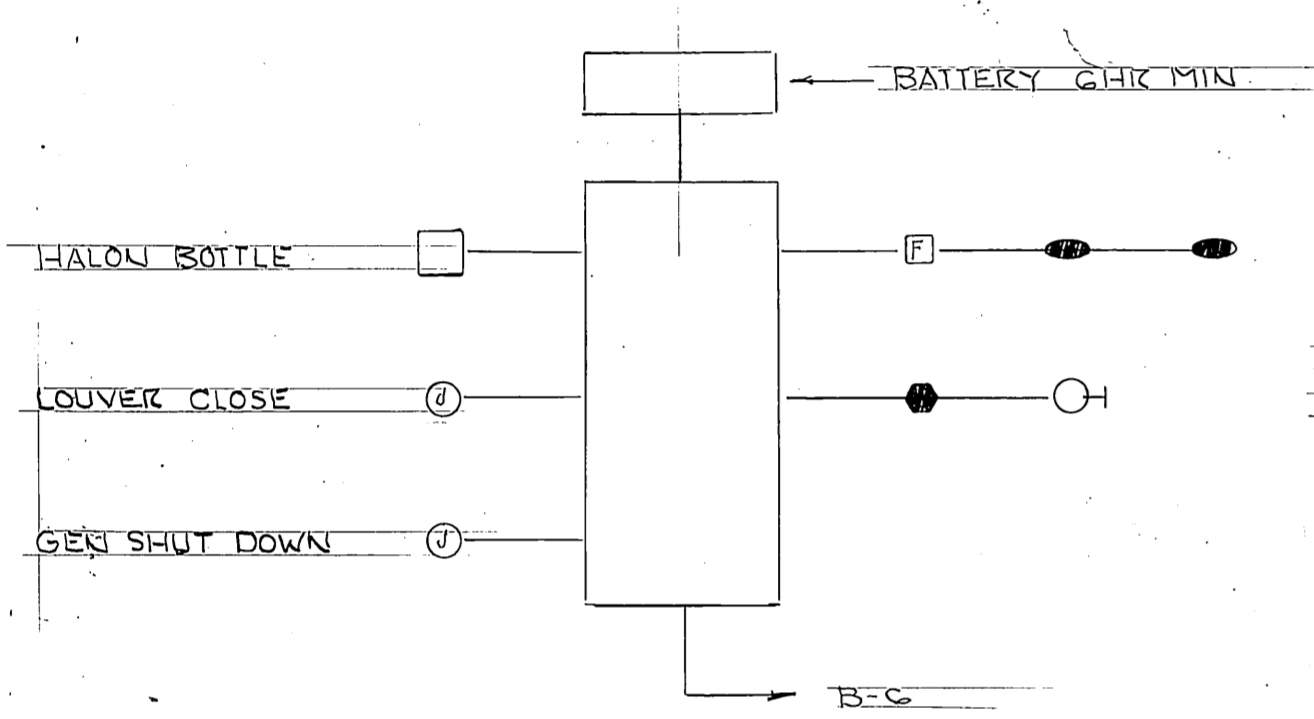
AS BUILT Mark Johnson 1/31/89



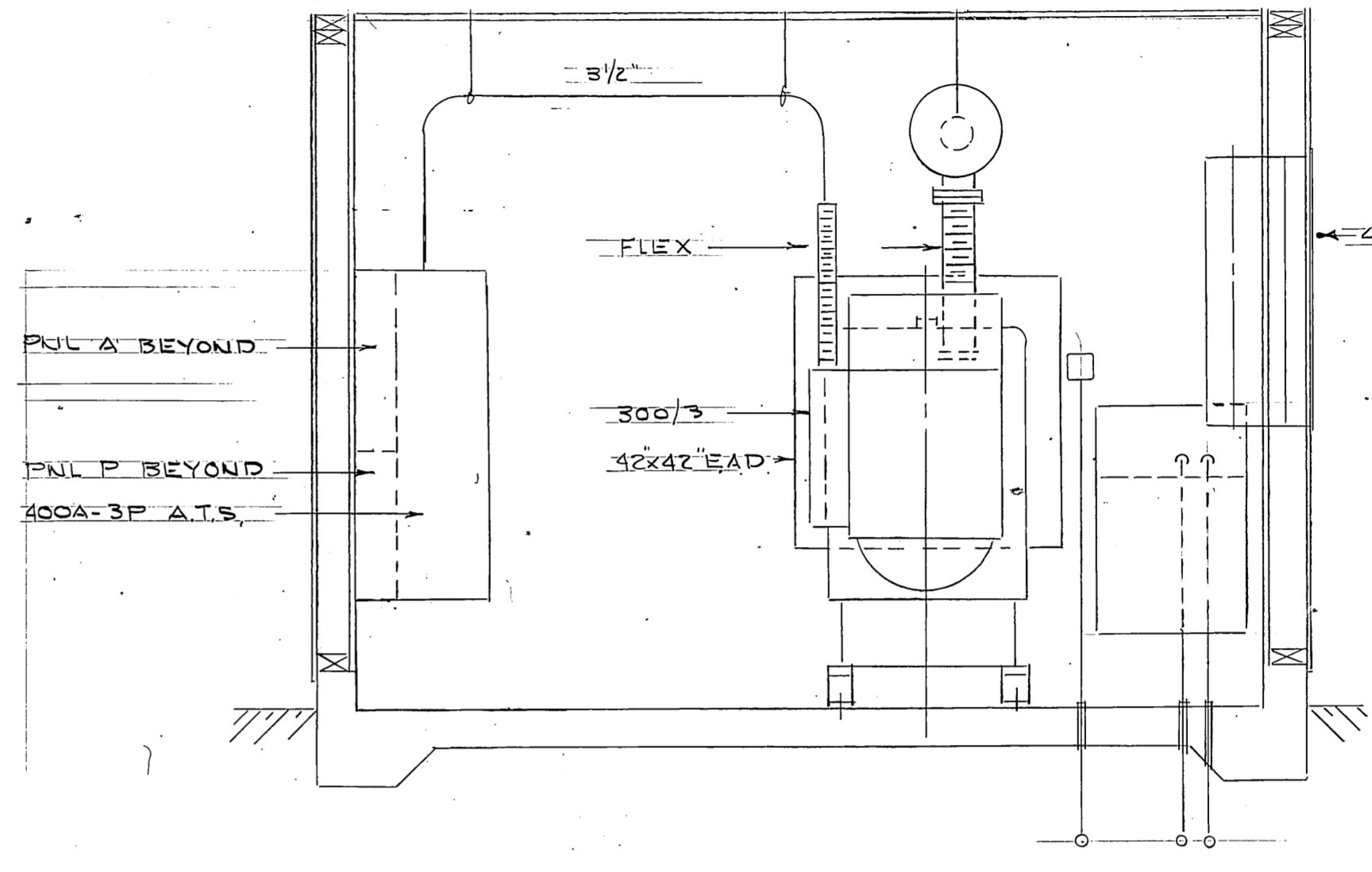
DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
STATE OF ALASKA			
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
Sitka		Alaska	
ELECTRICAL			
DESIGNED LPL	CHECKED LPL	DRAWN LPL	DATE 9-2-87
PROJECT NUMBER RS-M-0935 (9)	SHEET 40		OF 41



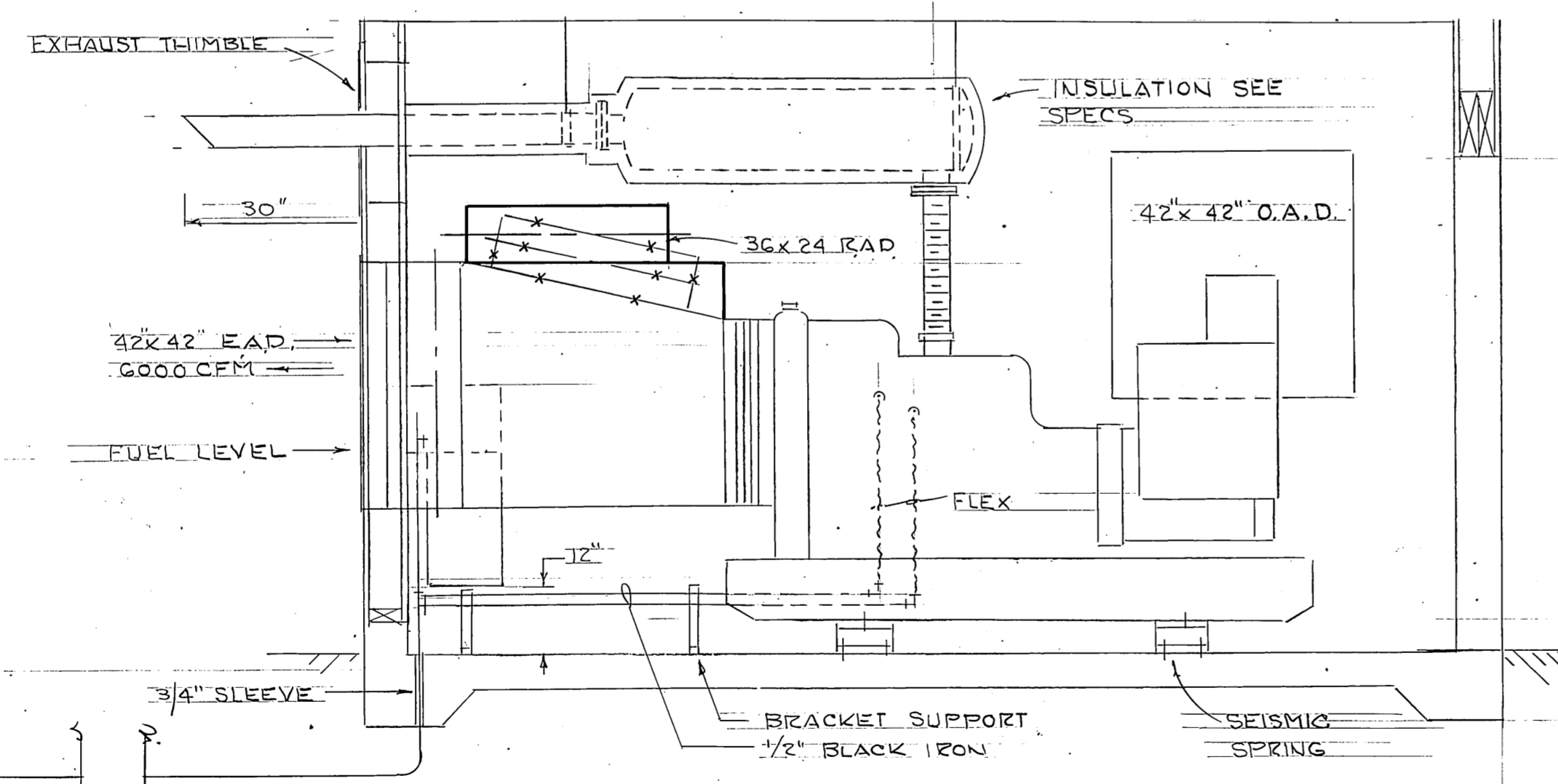
DETAIL PLAN
1/2" = 1'-0"



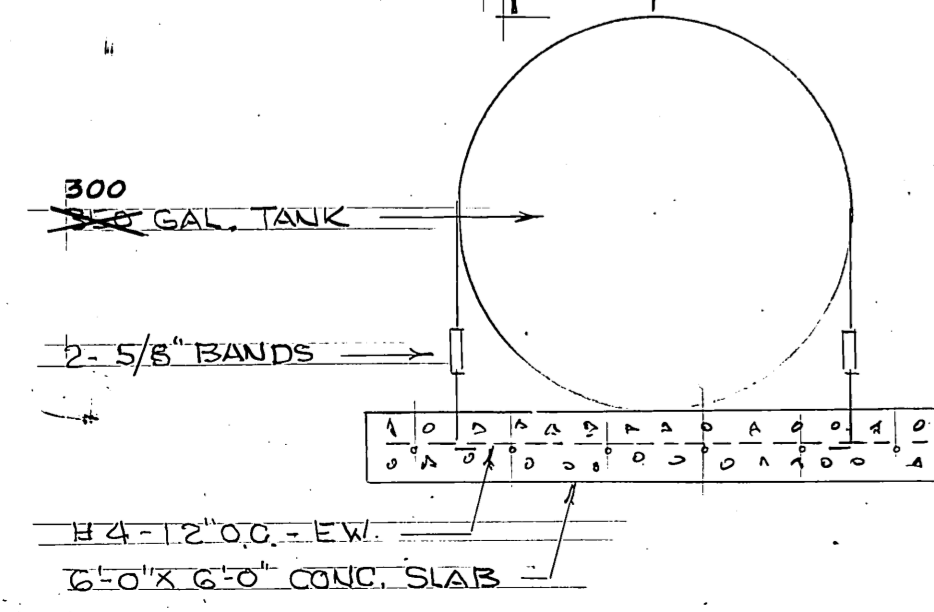
FIRE ALARM DIAGRAM
NO SCALS



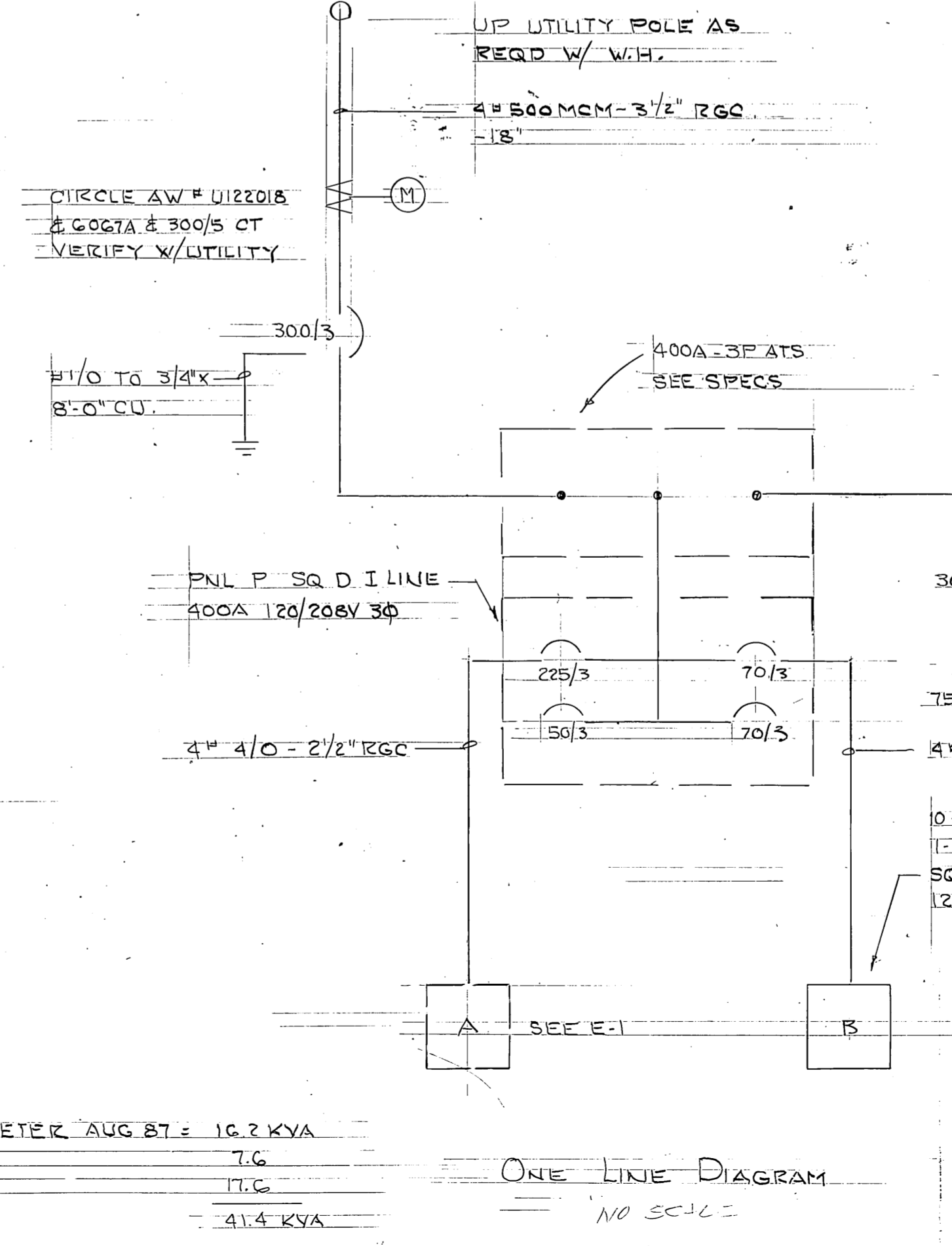
SECTION B-B
1/2" = 1'-0"



SECTION A-A
1/2" = 1'-0"



NOTE PROVIDE 4 LAYERS 50# ASPHALT PAPER BETWEEN CONCRETE & TANK
300 gallon buried fuel tank with the Sti-P3 method of exterior protection substituted - 6" select of tank also
9" fill between concrete pad & bottom of tank also



- LEGEND
- FLUORESCENT FIXTURE SEE SCHEDULE
 - WALL
 - OUTDOOR " " SINGLE
 - OUTDOOR " " DOUBLE
 - S SWITCH +48"
 - ⊕ DUPLEX +18" OR NOTED
 - ⊙ JUNCTION
 - ⊙ MOTOR
 - ⊙ GENERATOR
 - ⊙ MANUAL STARTER
 - ⊙ COMBINATION BY OTHERS CONN BY ELEC.
 - ⊙ CONTACTOR
 - ⊙ THERMOSTAT
 - O.A.D. OUTSIDE AIR DAMPER
 - E.A.D. EXHAUST
 - RAD RETURN
 - H.O.A. HAND OFF AUTO
 - A.T.S. AUTO TRANSFER SWITCH
 - RGC RIGID GALV. CONDUIT
 - WIRING & CONDUIT 3/16"
 - ⊕ EXISTING ⊗ REMOVE
 - ⊕ FIRE ALARM STATION
 - ⊕ DETECTOR 190" NO R/C
 - ⊕ BELL/STROBE

See Electrical Subcontractor's submitted AS BUILT'S for additional changes

AS BUILT
Mark Johnson 2/1/89

E-3

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
		Sitka	Alaska
ELECTRICAL			
DESIGNED LPL	CHECKED LPL	DRAWN LPL	DATE 9-2-87
PROJECT NUMBER RS-M-0935 (9)	SHEET 41		OF 41