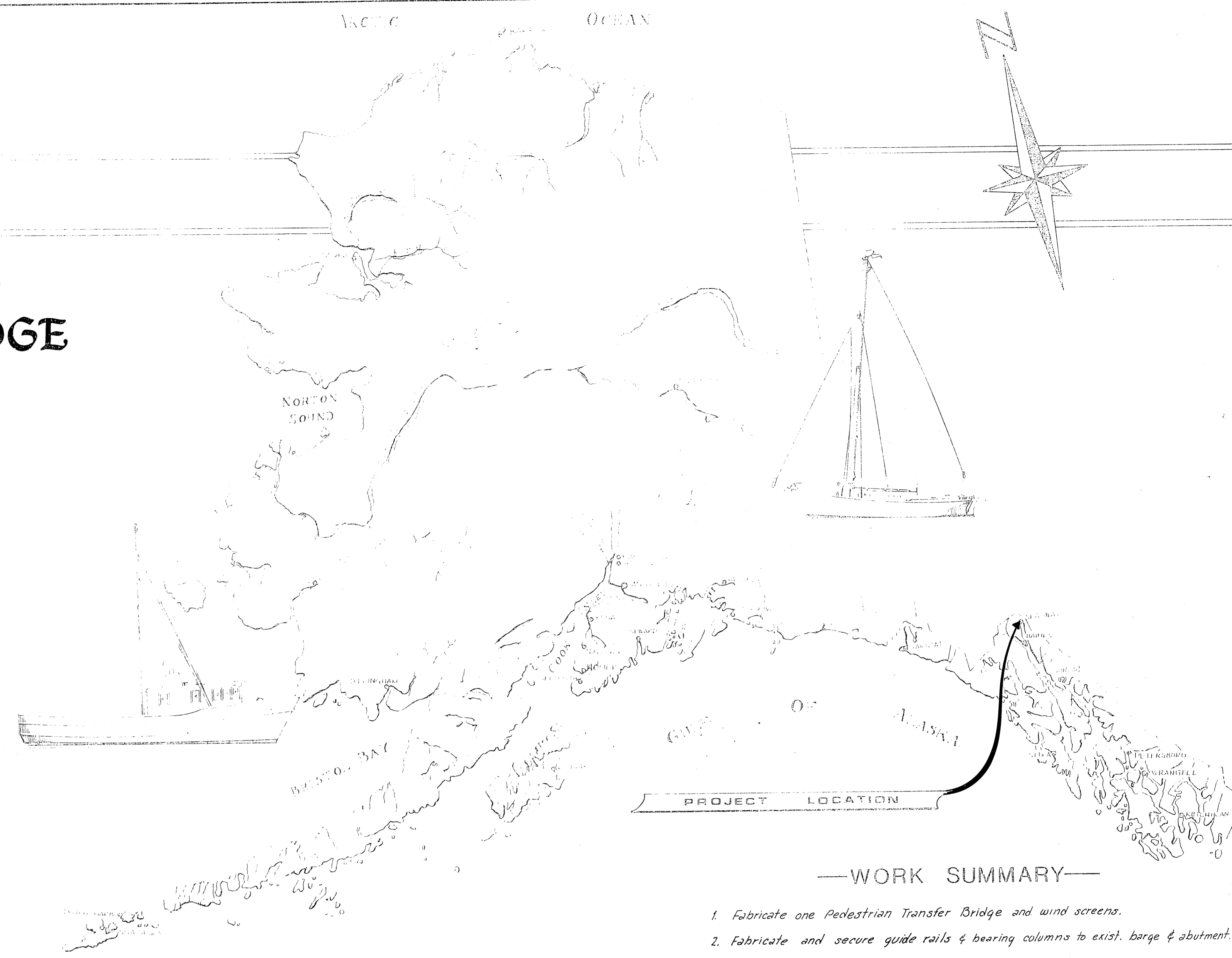


PROJECT NO. R 10263

SKAGWAY FERRY TERMINAL
PEDESTRIAN TRANSFER BRIDGE



—WORK SUMMARY—

1. Fabricate one Pedestrian Transfer Bridge and wind screens.
2. Fabricate and secure guide rails & bearing columns to exist. barge & abutment.
3. Place and secure Pedestrian transfer bridge and wind screens.
4. Move and repair or replace exist. temporary utilities (Water, power supply, oil line & oil control line). Place and secure utilities as required for permanent service.

INDEX TO SHEETS

1.	Title & Location	
2.	Project Layout Plan	
3.	Truss Panel Layouts	
4.	Truss Framing Details	
5.	Pedestrian Transfer Bridge Details	
6 & 7.	Misc. Transfer Bridge Details	
8.	Windscreen Layout & Details	
9.	Utility Plan & Details	

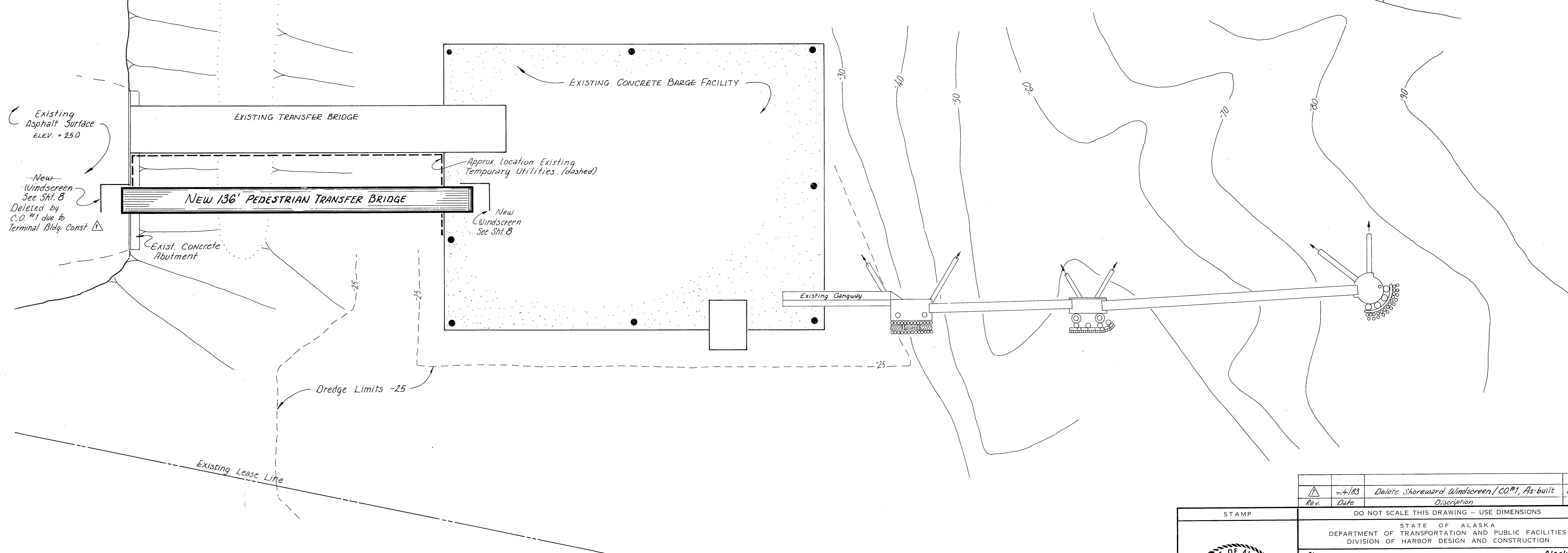
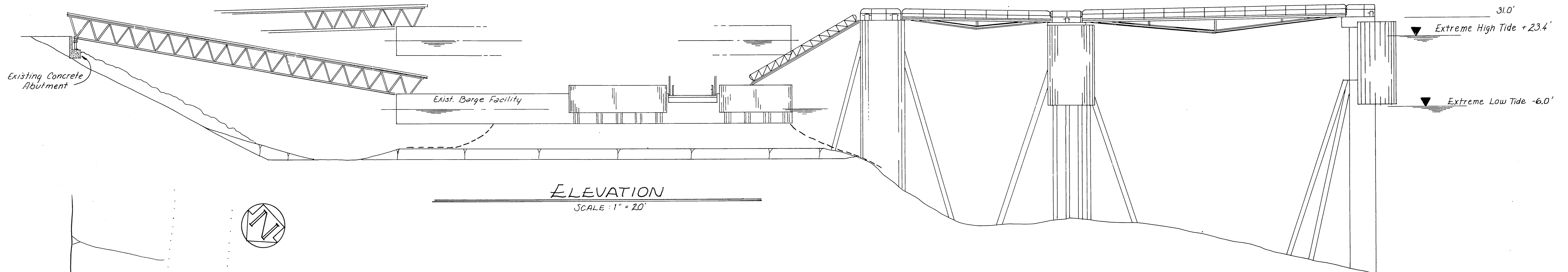
STATE
OF
ALASKA

DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
S.E. REGION
HARBOR DESIGN & CONSTRUCTION

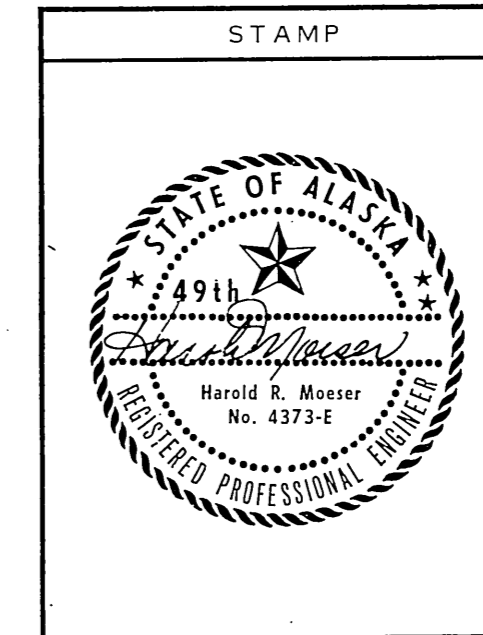
APPROVED
Charles H. ... 3/8/82
DIRECTOR S.E. D. & C. DATE

RECOMMEND
FOR APPROVAL *Harold ...* 3/8/82
CHIEF S.E. HARBOR D & C DATE

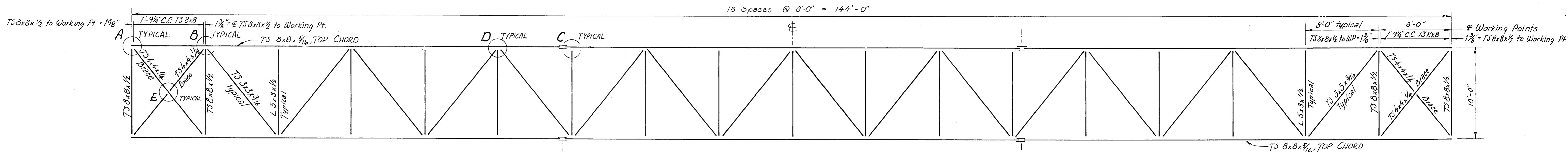
SHEET 1 OF 9



Δ	4/83	Delete Shoreward Windscreen / CO #1, As-built	WmN
Rev.	Date	Description	By

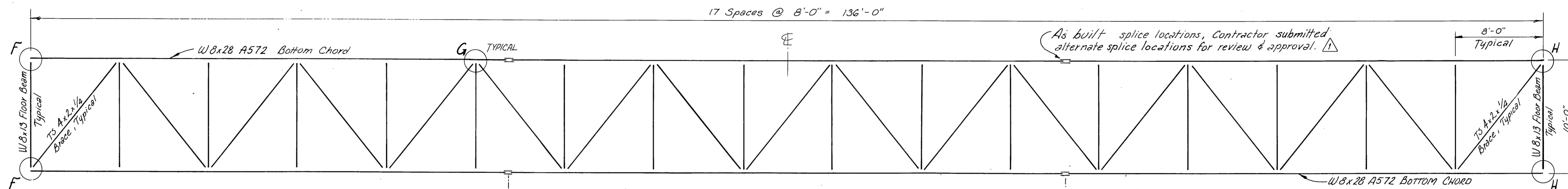


DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DIVISION OF HARBOR DESIGN AND CONSTRUCTION		
Skagway	Alaska	
PROJECT LAYOUT PLAN		
SCALE 1" = 20'	SURVEYED	APPROVED
DESIGNED	DRAWN JS/WmN	Robert P. Beck
CHECKED SS	DATE 11/81	CHIEF OF DESIGN
PROJECT NUMBER R 10263	SHEET 2 OF 9	



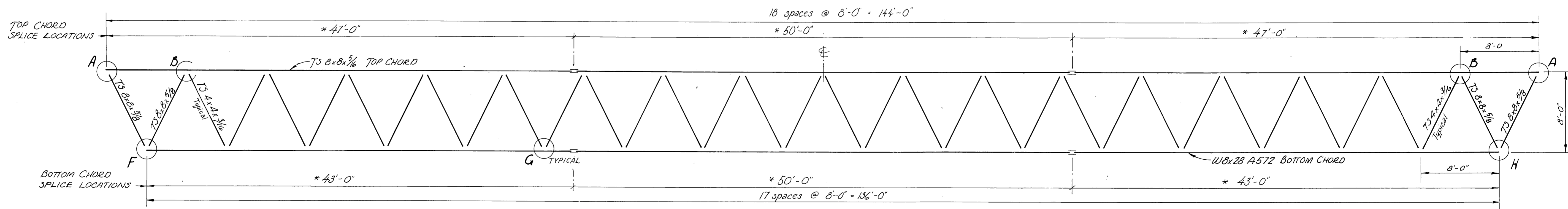
ROOF FRAME PLAN

Scale: 3/16" = 1'-0"



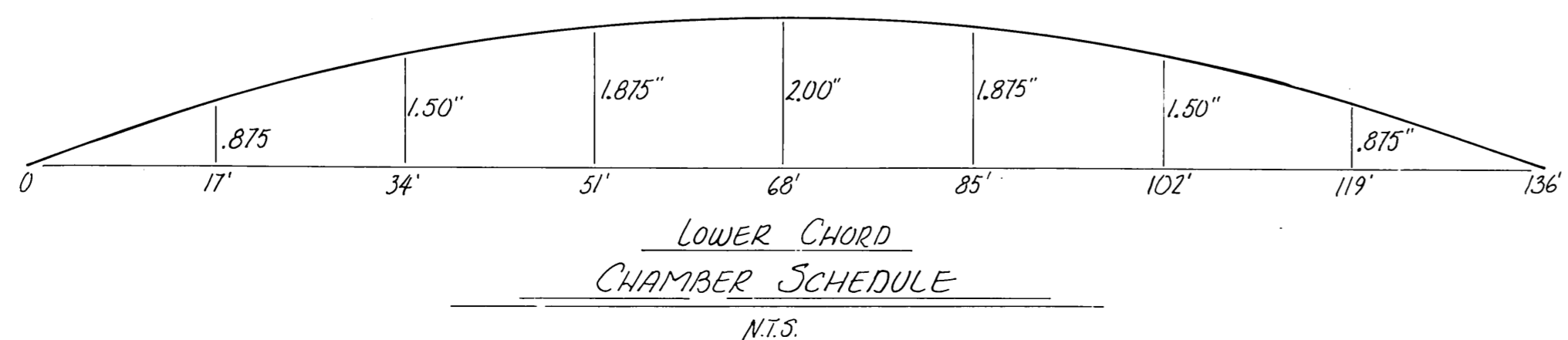
FLOOR FRAME PLAN

Scale: 3/16" = 1'-0"



TRUSS PANEL

Scale: 3/16" = 1'-0"



SCHEDULE

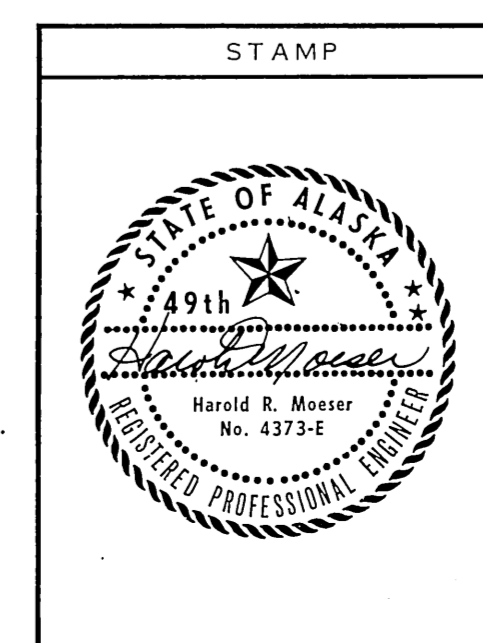
- G ○ FRAMING DETAIL SEE SHIT. 4
- TYPICAL SPLICE LOCATION

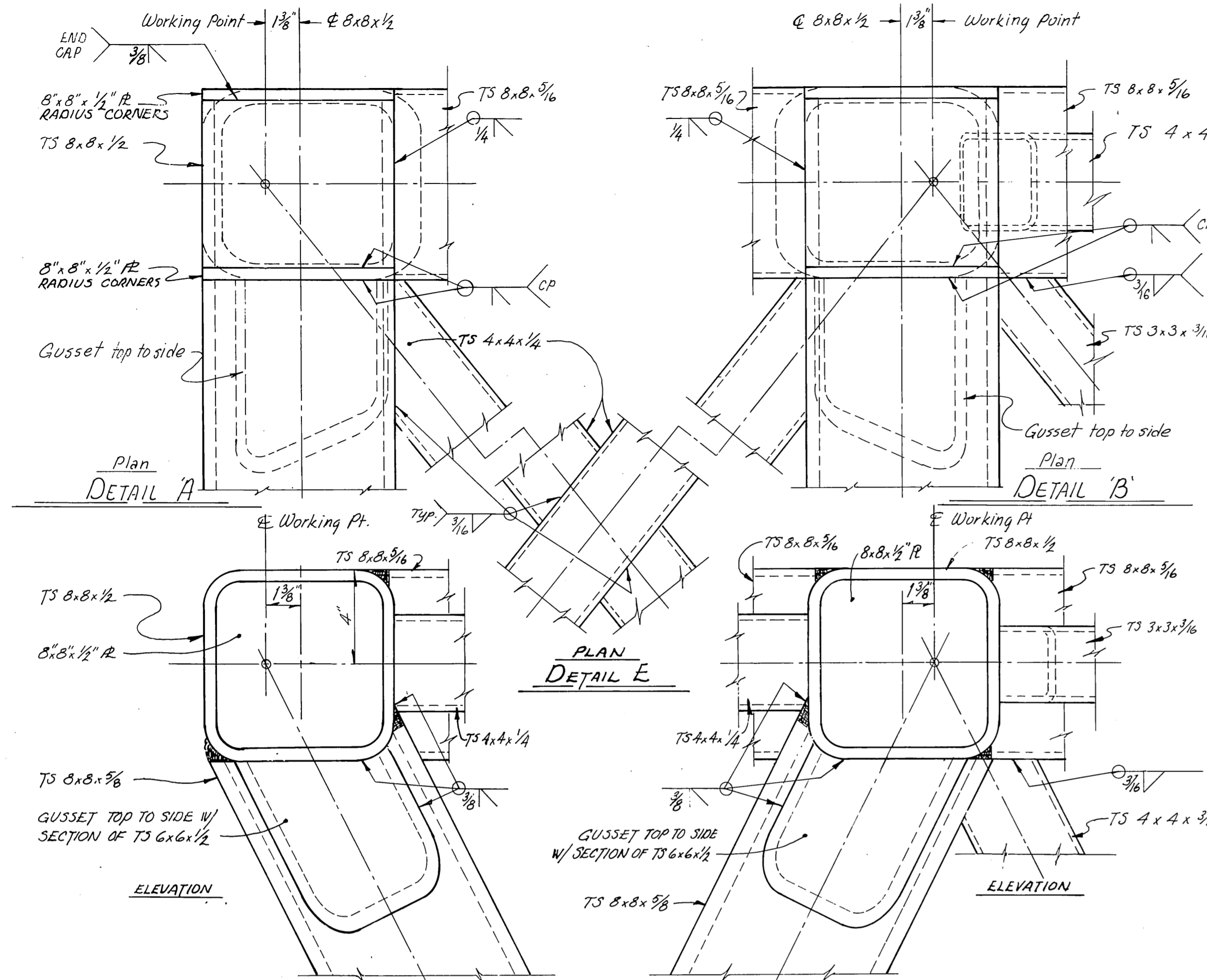
Note:
All dimensions are to working points of structure.

DESIGN CRITERIA

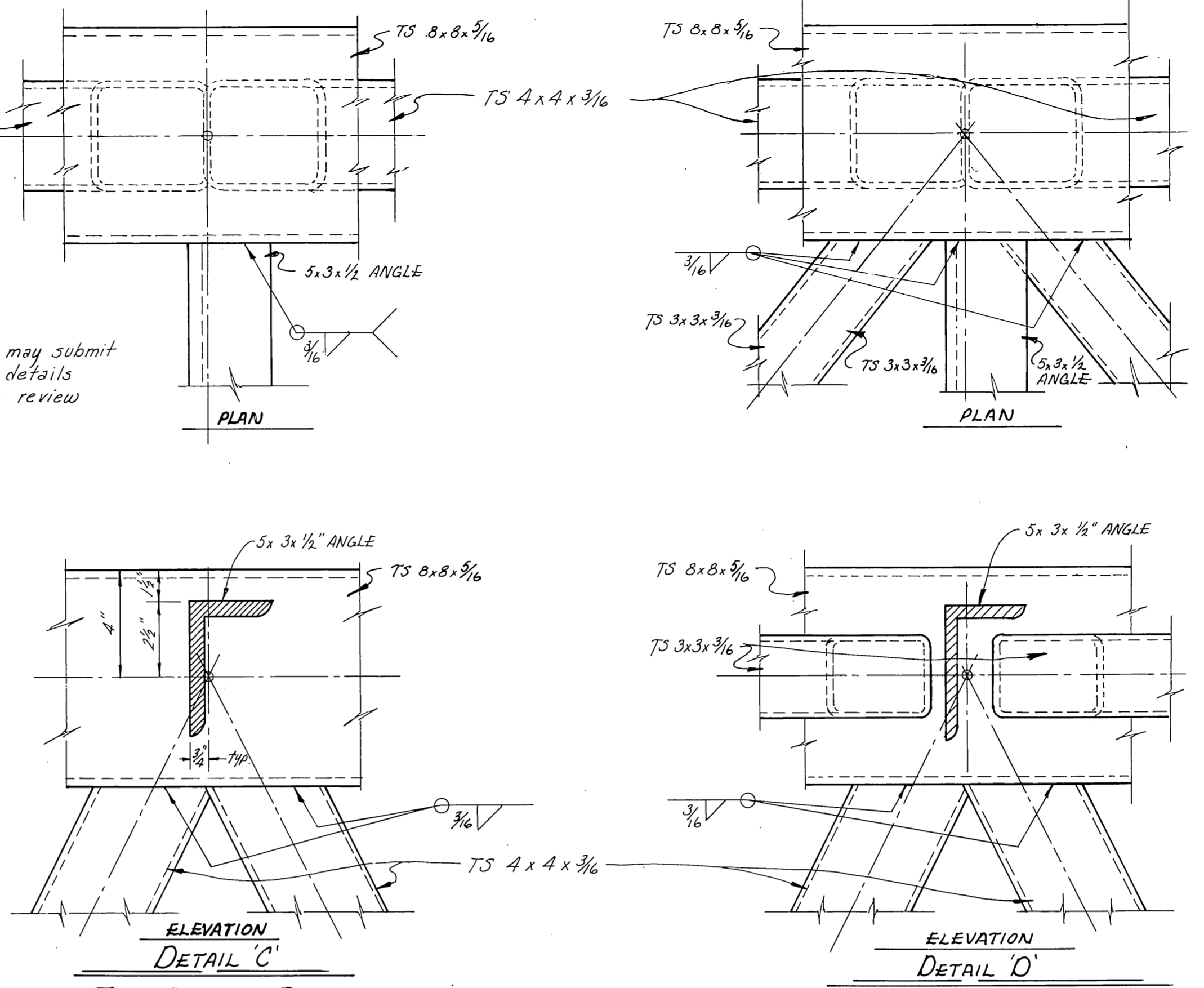
LIVE LOAD 85 psf. on 7'-0" design width.
 DEAD LOAD 40 psf.
 WIND LOAD 40 psf.
 SNOW LOAD 40 psf.
 CAMBER: 2 inch. minimum, measured at midspan, see camber schedule this sheet.
 DESIGN CODE: AASHTO 1973
 MATERIALS: Steel: A36, F_y = 36 ksi., F_b = 20 ksi.
 A572, F_y = 50 ksi., F_b = 27 ksi.
 Timber: F_b = 1200 psi.

Rev.		Date	Description	WmN
4-4-83		4-4-83	Dimensions per shop drawings, Sept. 1, 82; As-built	by
DO NOT SCALE THIS DRAWING - USE DIMENSIONS				
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DIVISION OF HARBOR DESIGN AND CONSTRUCTION				
Skagway, Alaska TRUSS PANEL LAYOUTS ROOF, FLOOR, AND SIDE PANELS				
SCALE: 3/16" = 1'-0"	SURVEYED: WmN	APPROVED: Robert P. Beck		
DESIGNER: ARN/JS	DRAWN: WmN	CHIEF OF DESIGN		
CHECKED: JS	DATE: 11/81			
PROJECT NUMBER: R 10263	SHEET: 3	OF 9		

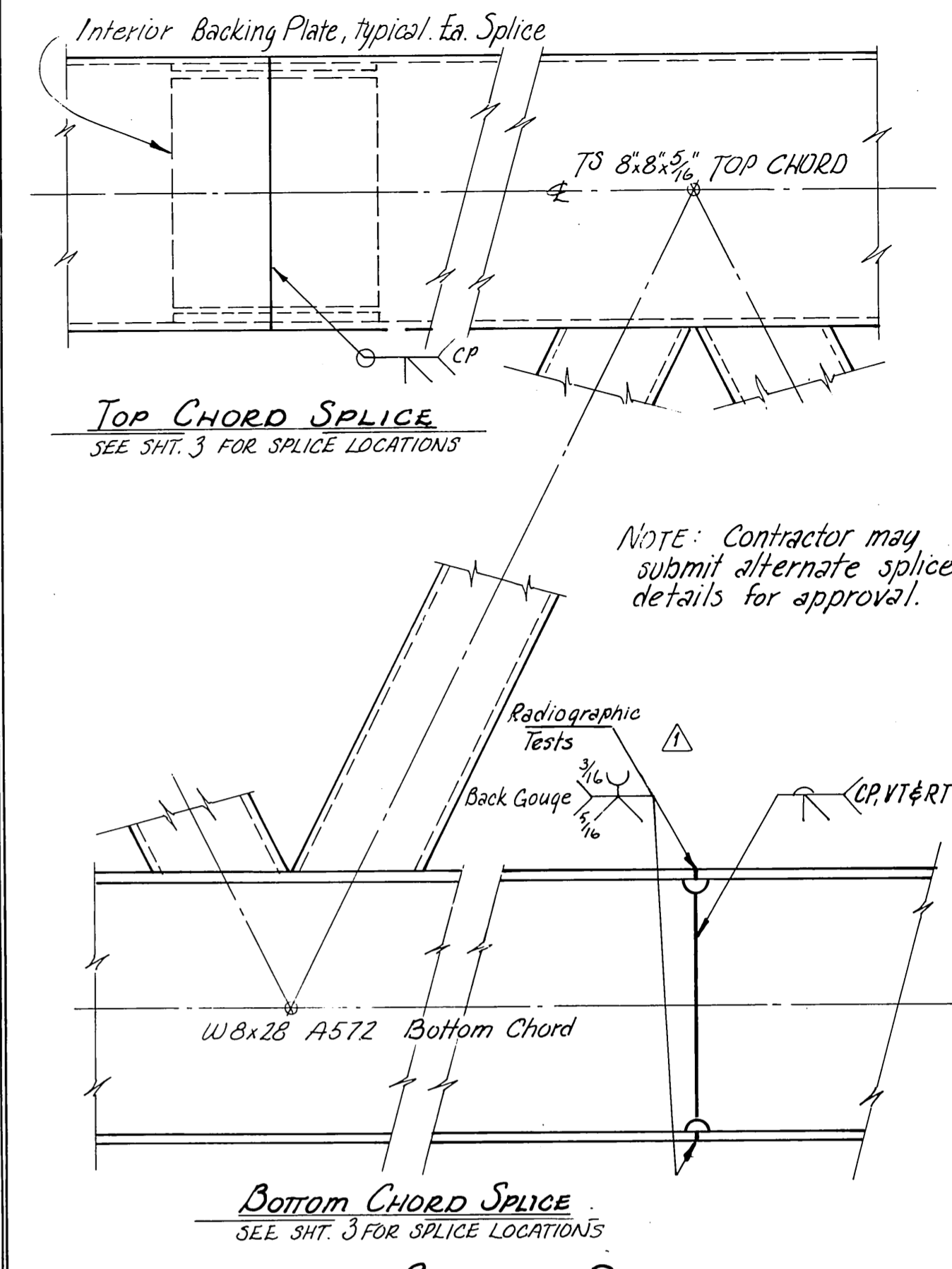




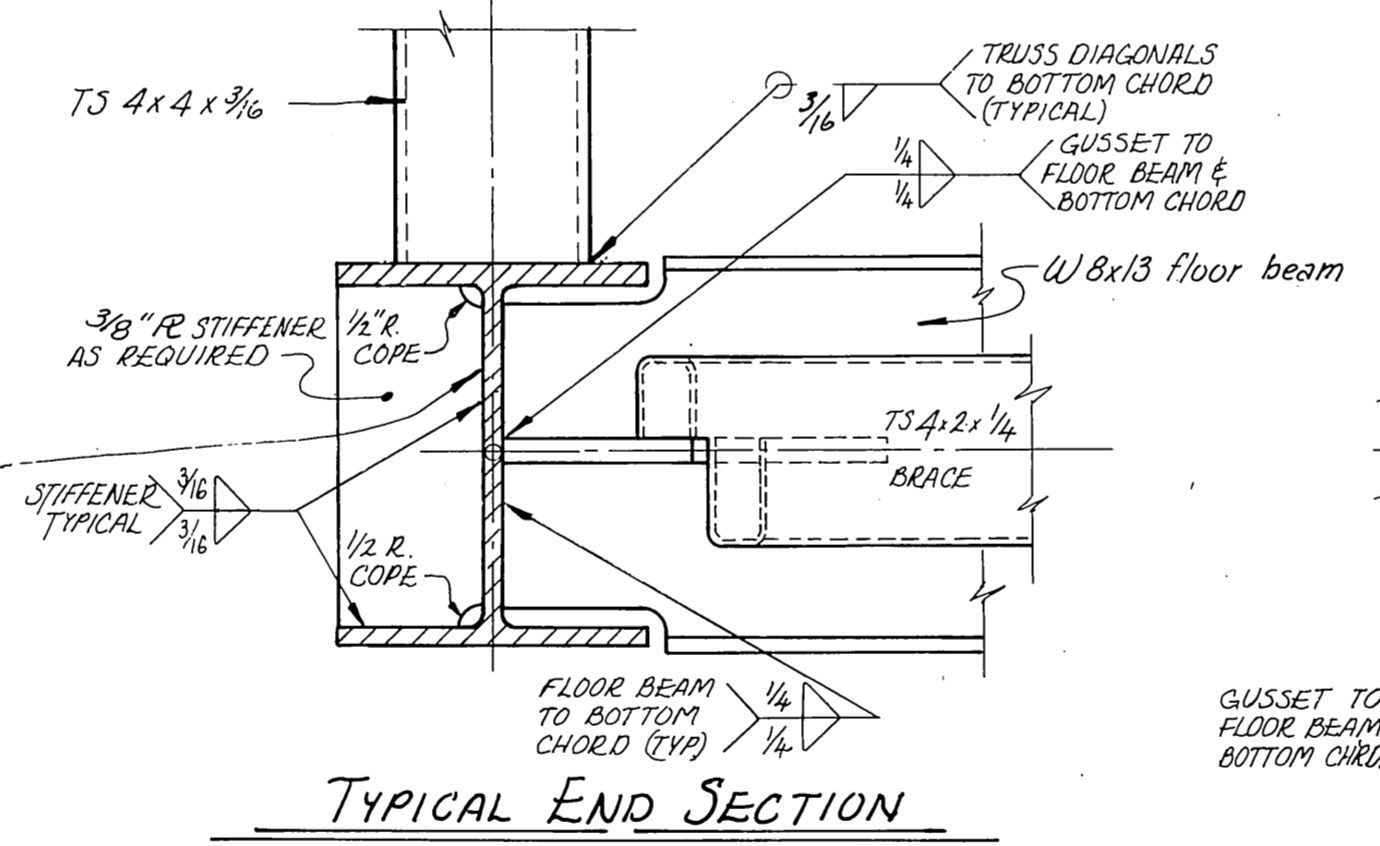
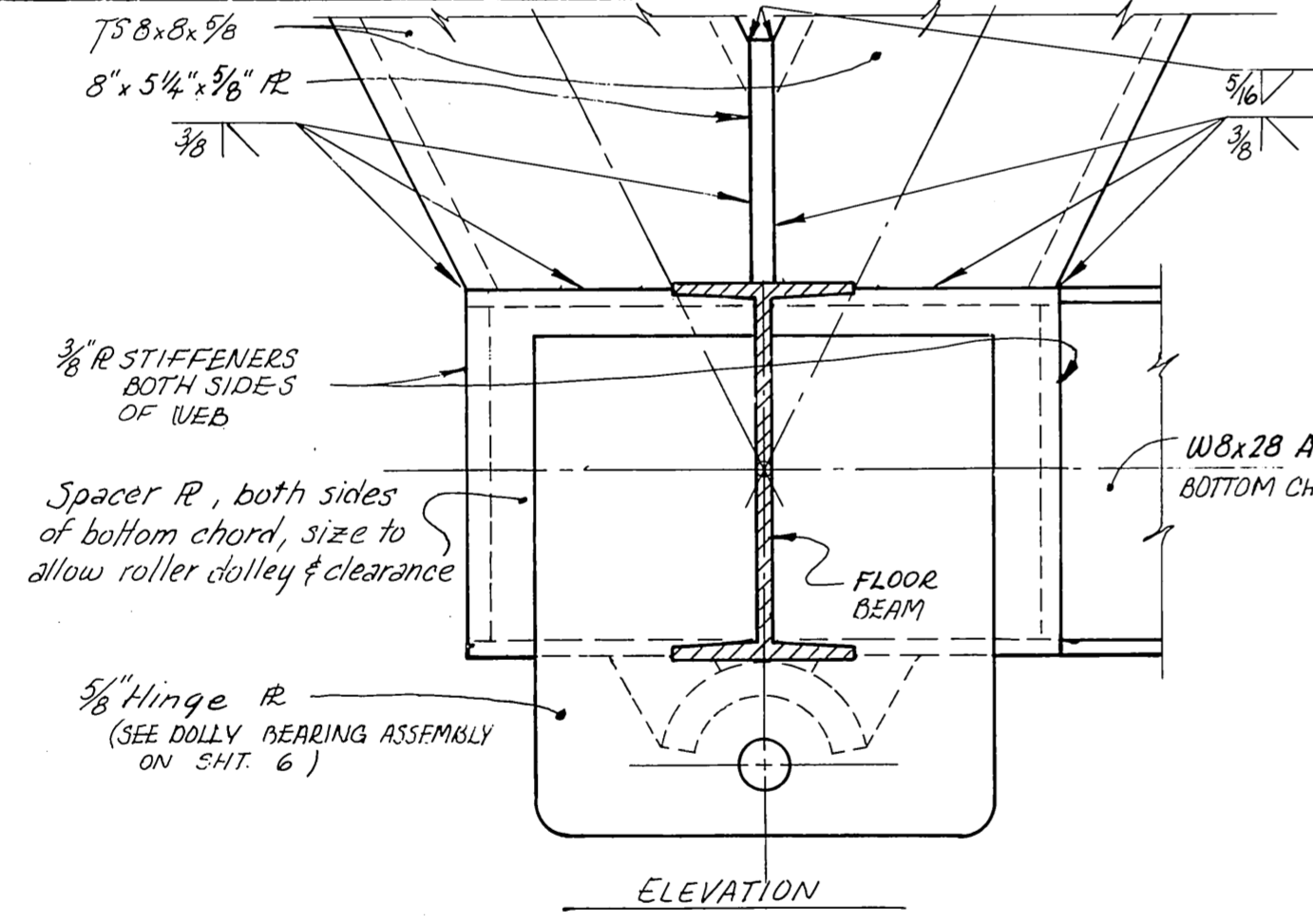
NOTE: Contractor may submit alternate framing details subject to engineers review and approval.



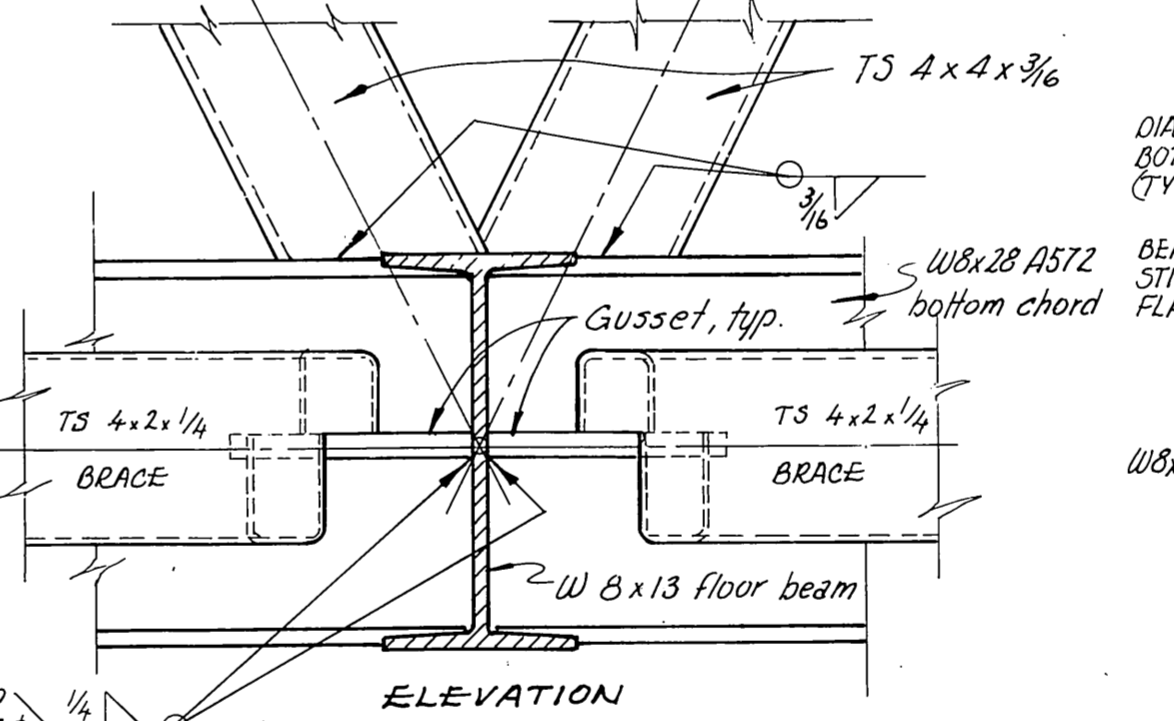
TOP CHORD DETAILS
 SCALE: 3" = 1'-0"



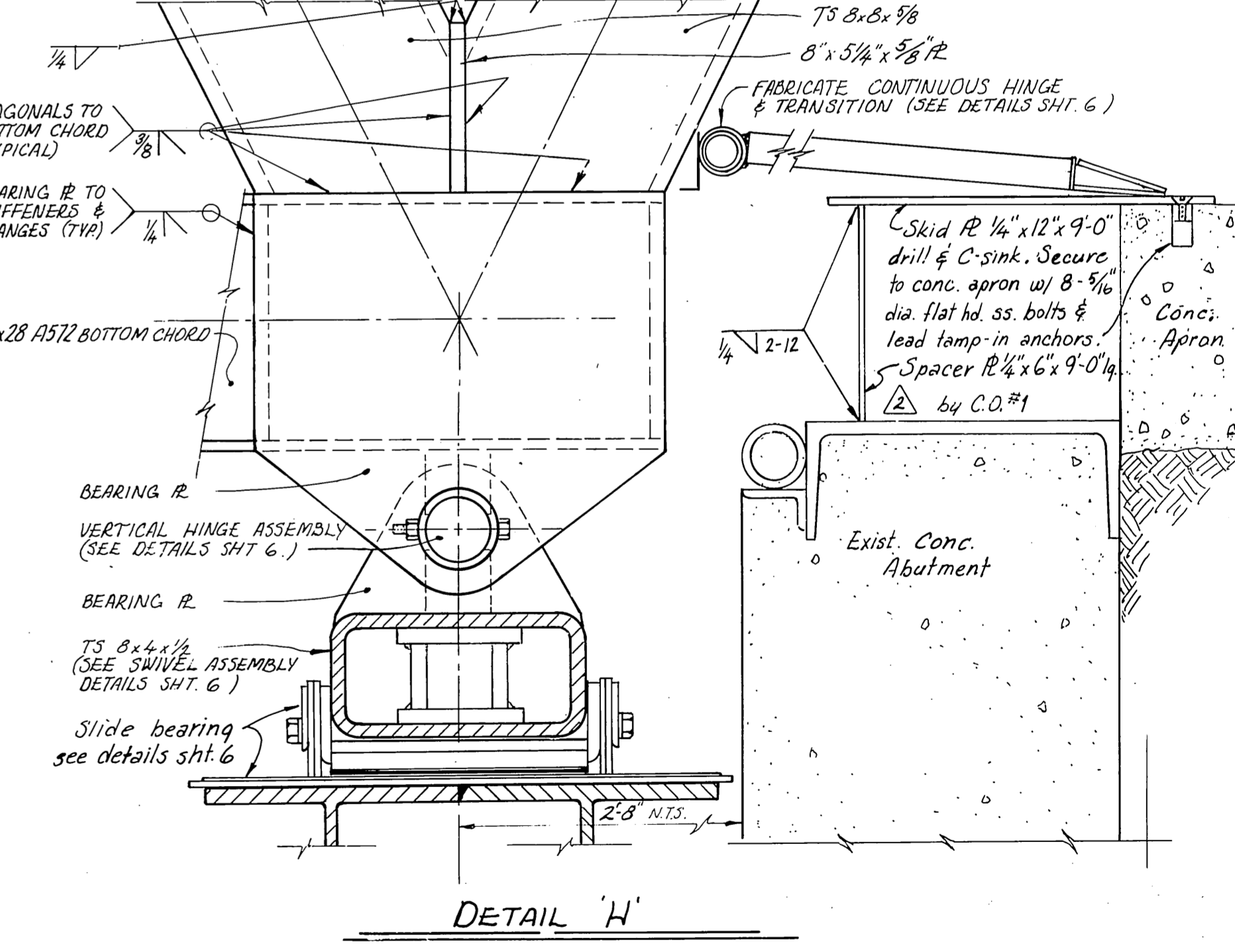
SPLICE DETAILS
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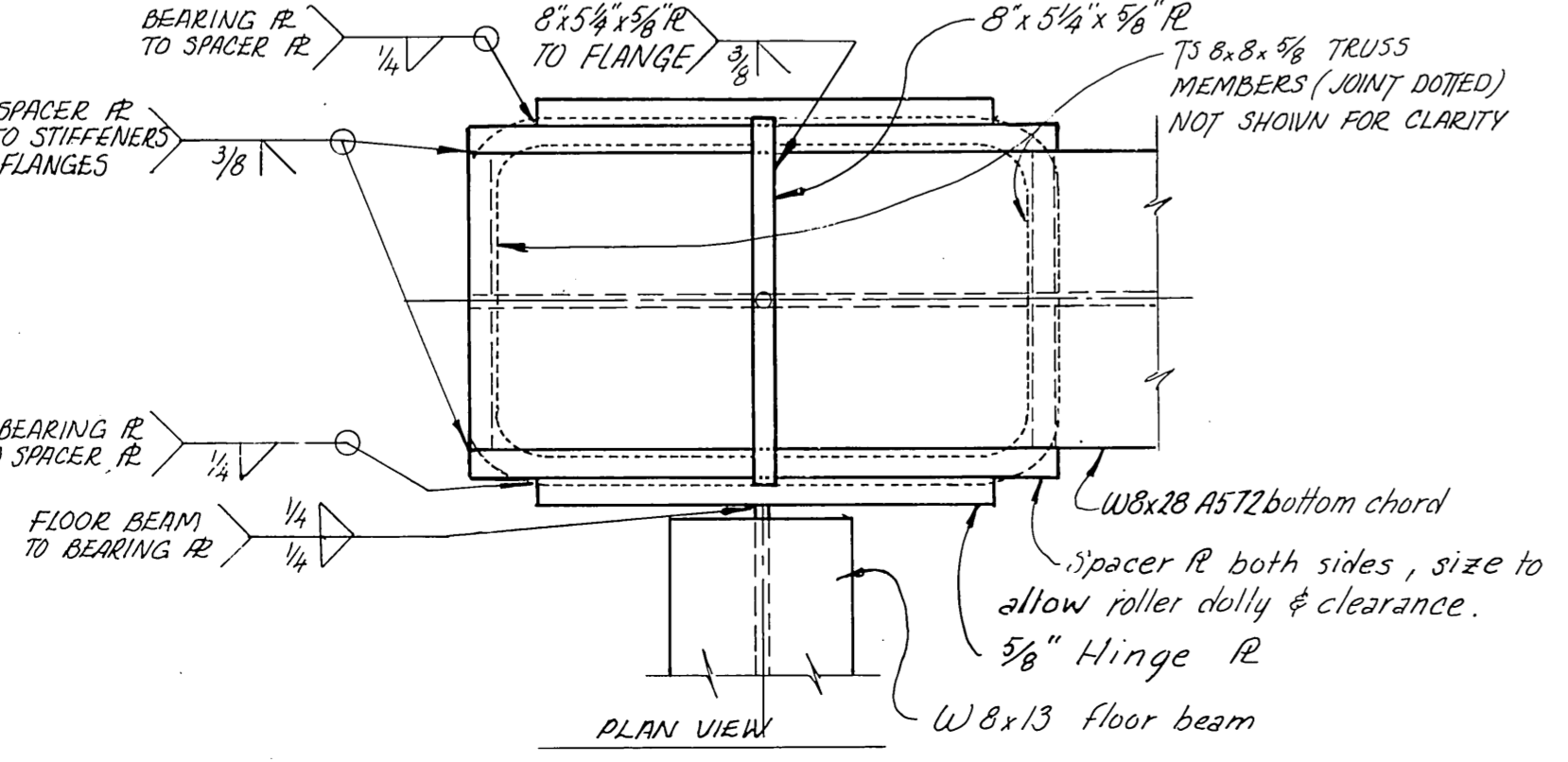
TYPICAL END SECTION



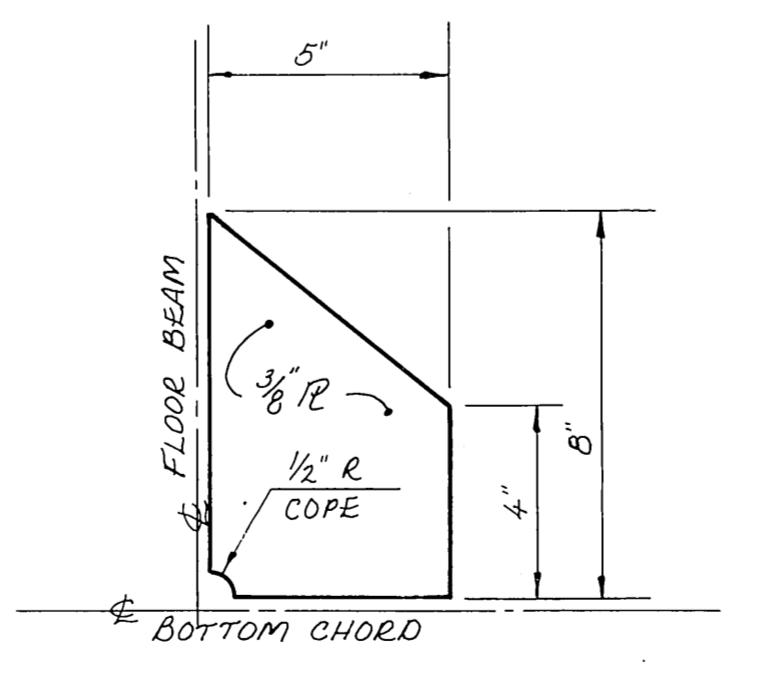
ELEVATION



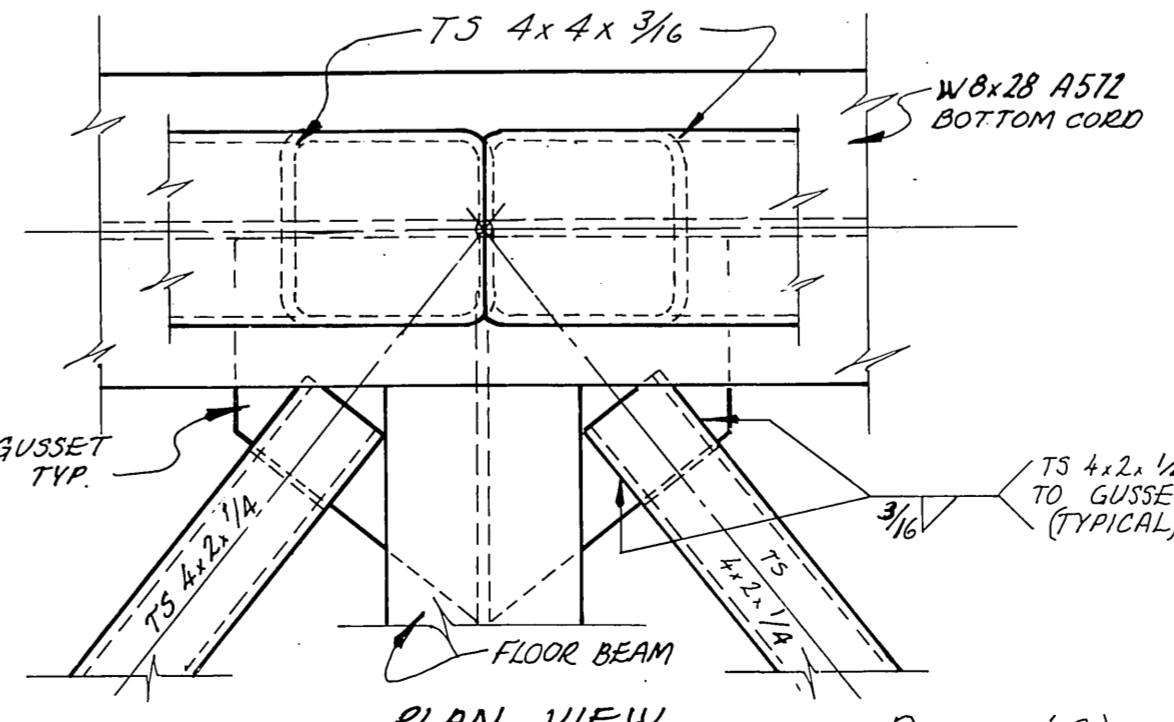
DETAIL 'H'



DETAIL 'F'



TYPICAL GUSSET DETAIL



PLAN VIEW

DETAIL 'G'

BOTTOM CHORD DETAILS
 SCALE: 3" = 1'-0"

Rev.	Date	Description	by
1	4-4-83	Modify Transition per C.O.#1, As built	WmN
2	4-4-83	Modify Weld Procedure, As built	WmN



STAMP

DO NOT SCALE THIS DRAWING - USE DIMENSIONS

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 DIVISION OF HARBOR DESIGN AND CONSTRUCTION

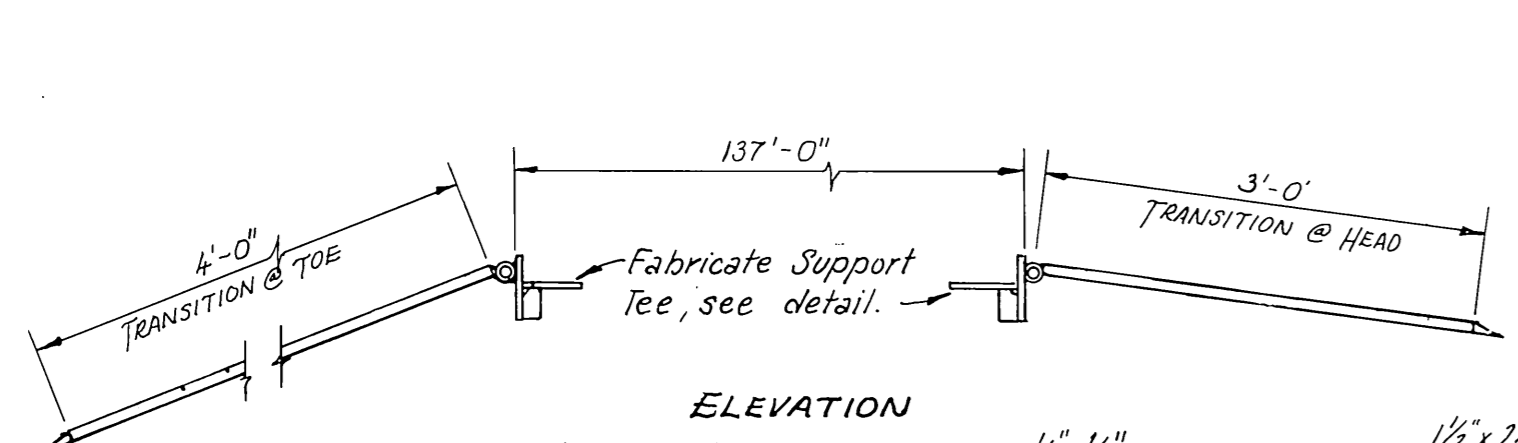
SKAGWAY ALASKA

TRUSS FRAMING DETAILS

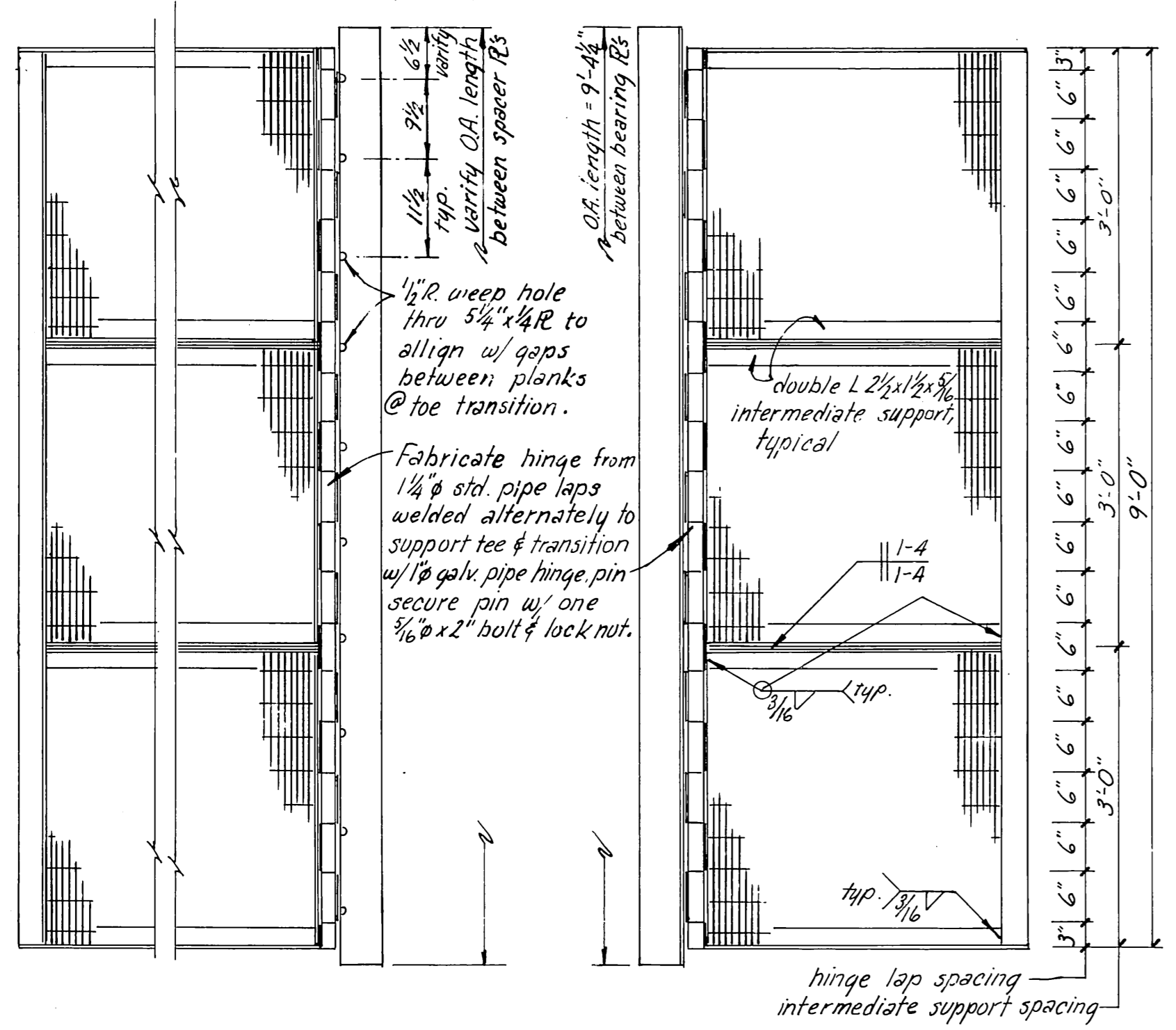
SCALE: 3" = 1'-0"
 DESIGNED: ARM/SS
 CHECKED: JS
 SURVEYED: _____
 DRAWN: WmN
 DATE: 11/1981

APPROVED
Robert P. Beck
 CHIEF OF DESIGN

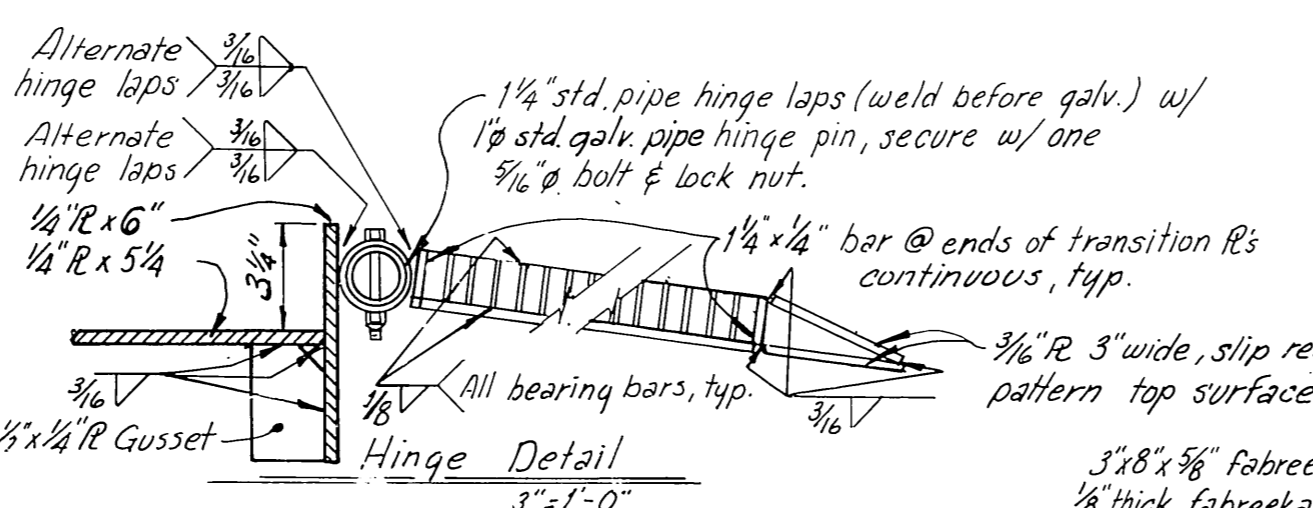
PROJECT NUMBER: R10263
 SHEET: 4 OF 9



ELEVATION
 Transition Grating: shall have 1/4 x 1/8 bearing bars @ 3/8" O.C. max. spacing & cross bars @ 2" O.C. Hot dip galv. after fabrication welds are completed. Fabricate & galv. support tee at the same time.



PLAN DECK GRATING & TRANSITION DETAILS
 SCALE: 3/4" = 1'-0"

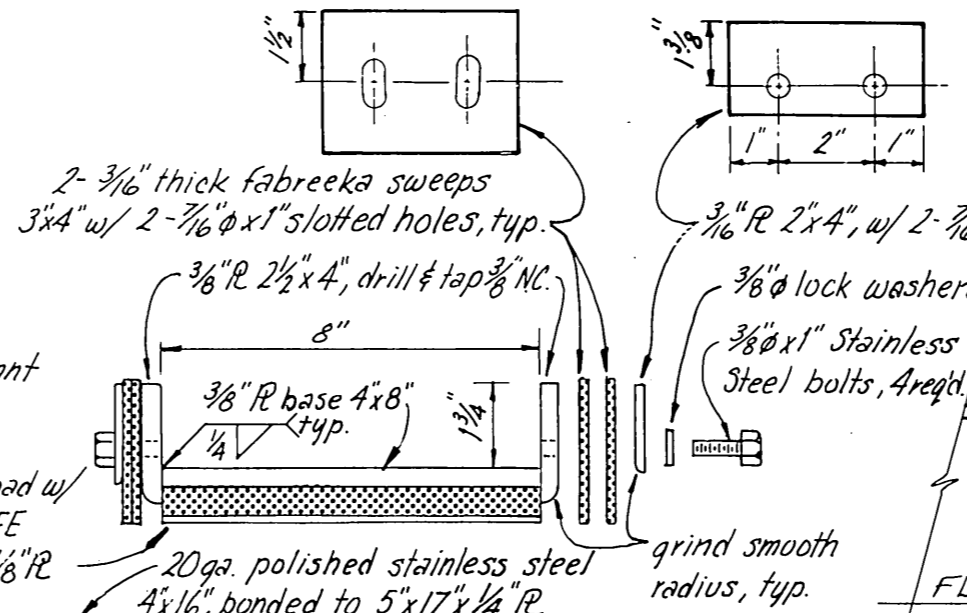


FABRICATE RETAINING COLLAR FROM
 4" Ø x 1 1/2" LONG DBL. EXTRA STRONG PIPE DRILL 2- 1/16" Ø HOLES THRU FOR BOLT

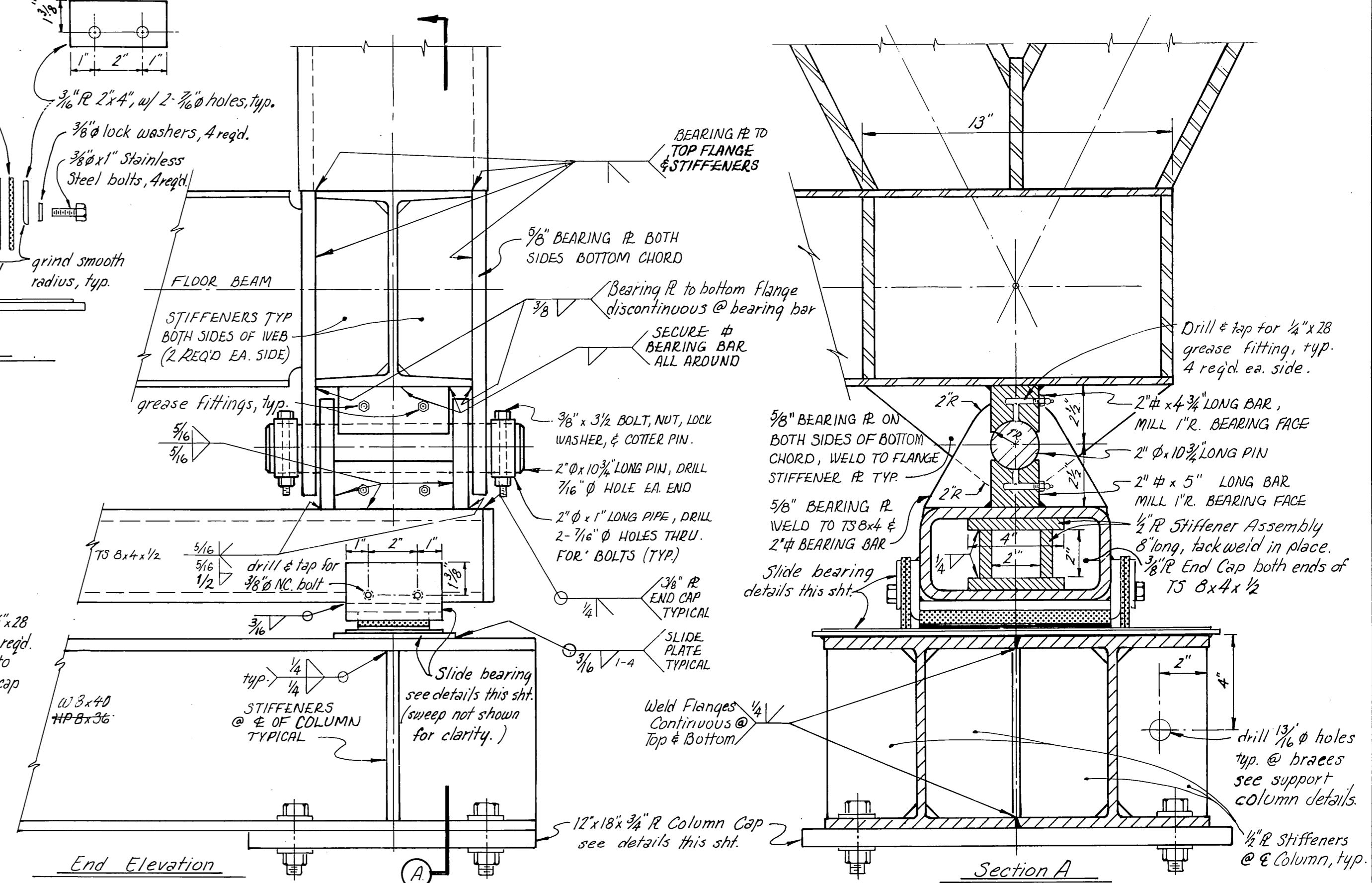
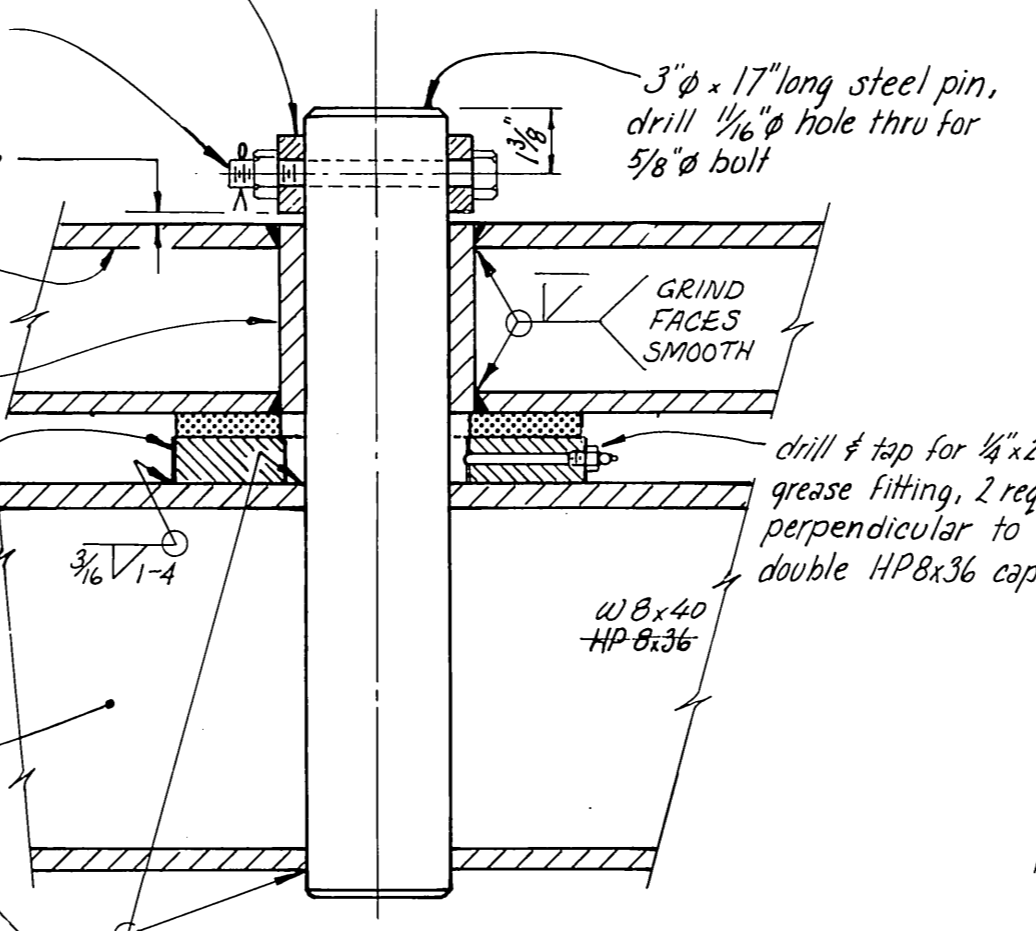
3/8" Ø BOLT, NUT & COTTER PIN
 TS 8x4x1/2, CUT 4 1/2" Ø HOLE FOR PIPE SLEEVE, BEVELED FOR WELD
 4" Ø x 4" LONG DBL. EXTRA STRONG PIPE SLEEVE, WELD INTO TS 8x4x1/2
 1" thick R washer 9" O.D. x 4" I.D. w/ 7/16" thick fabreeca pad bonded to top. Weld to double HP8x36 cap.
 FABRICATE GANGWAY CAP w/ 2- HP 8x36 BEAMS WELDED CONTINUOUS TOP & BOTTOM FLANGES, ADD STIFFENERS @ COLUMNS & CUT 3" Ø HOLE @ CENTER FOR PIN.

WELD 3" Ø PIN @ CENTER OF DOUBLE HP8x36 CAP ABOVE TOP & BELOW BOTTOM FLANGES TYP.

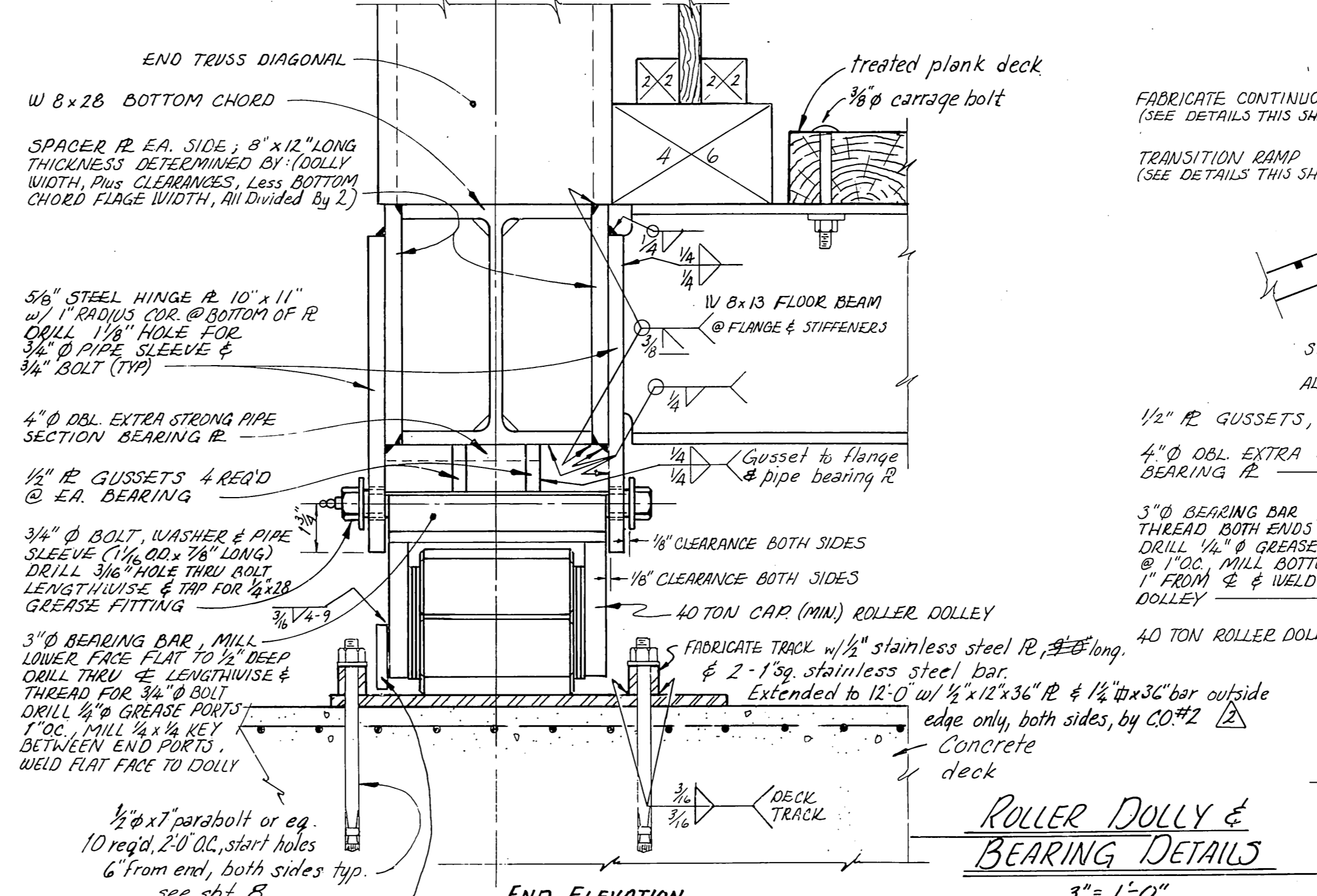
SWIVEL DETAIL
 SCALE: 3" = 1'-0"



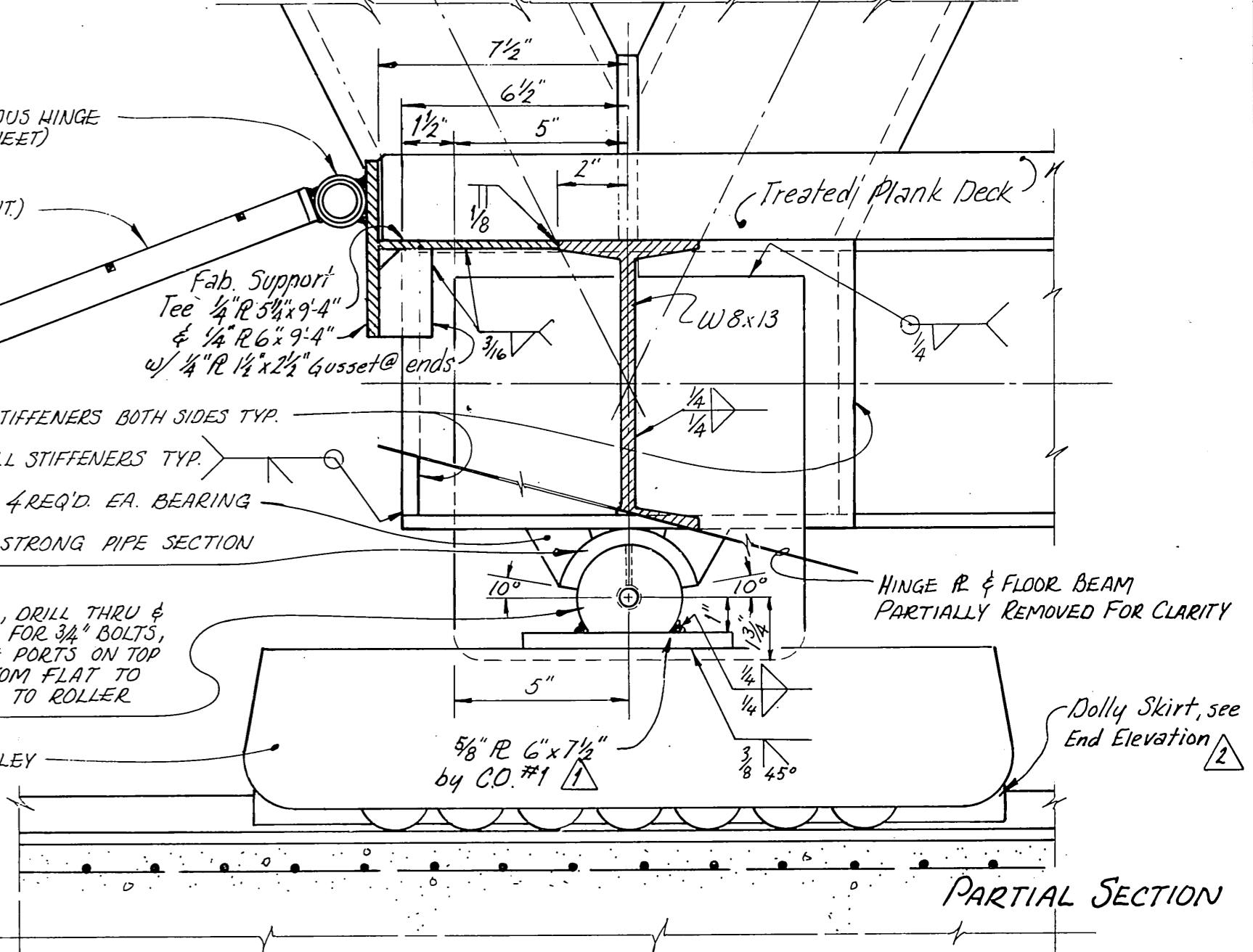
SLIDE BEARING DETAILS
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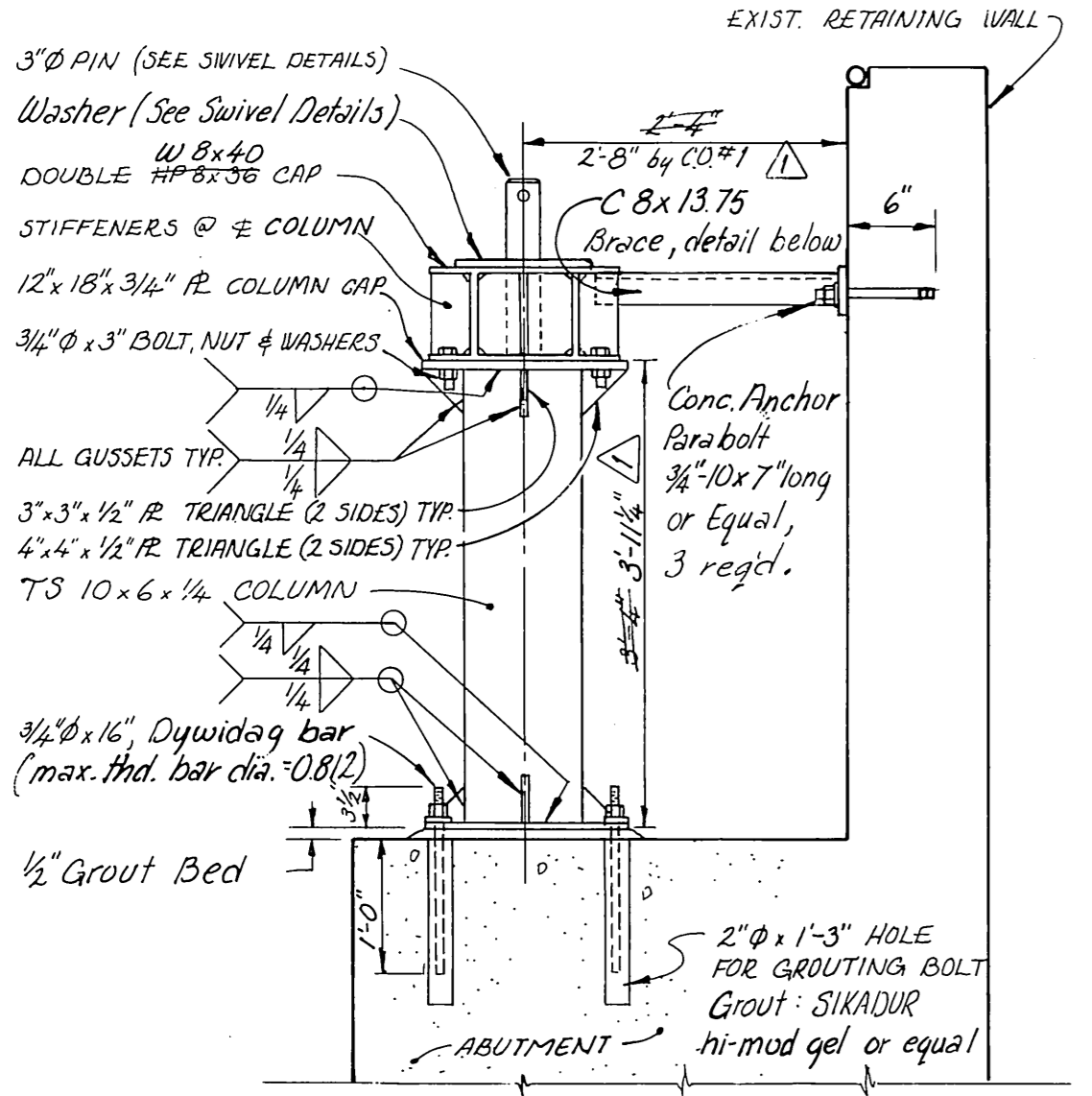
VERTICAL HINGE BEARING DETAILS
 3" = 1'-0"



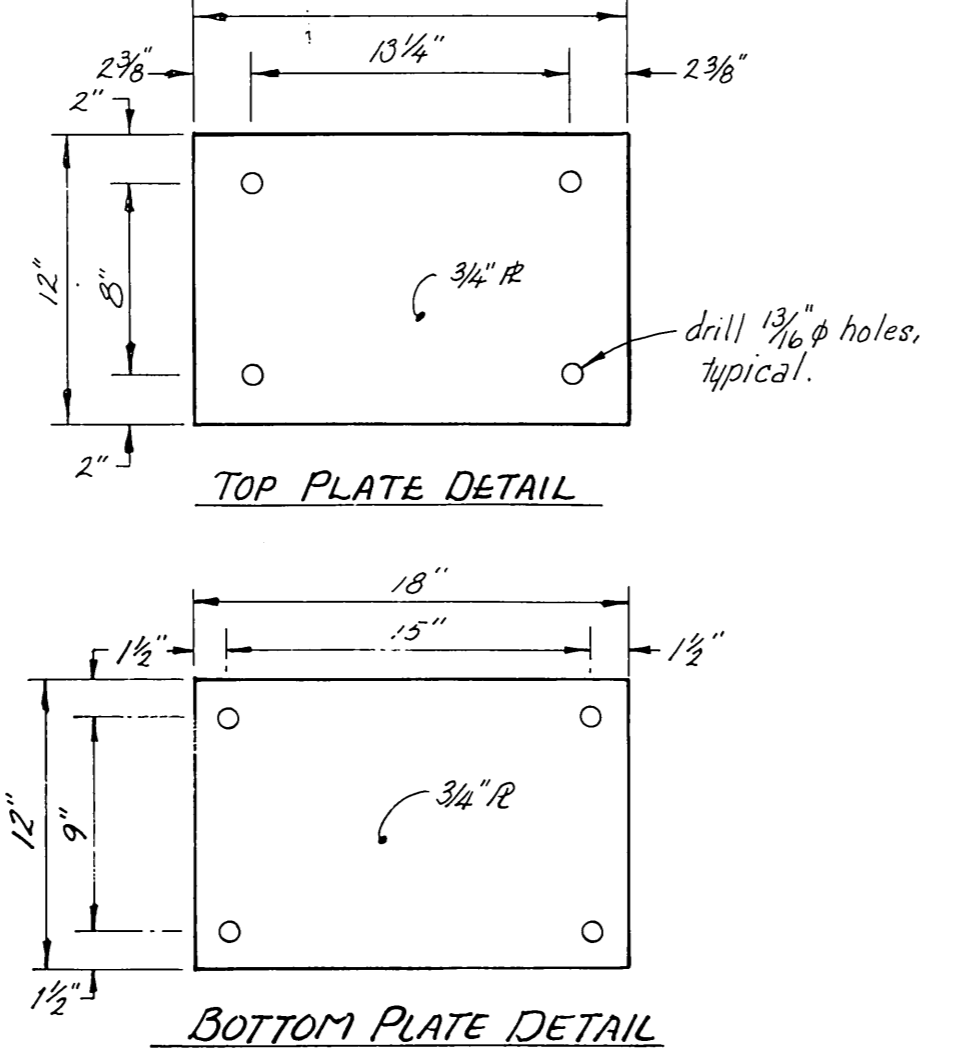
ROLLER DOLLY & BEARING DETAILS
 3" = 1'-0"



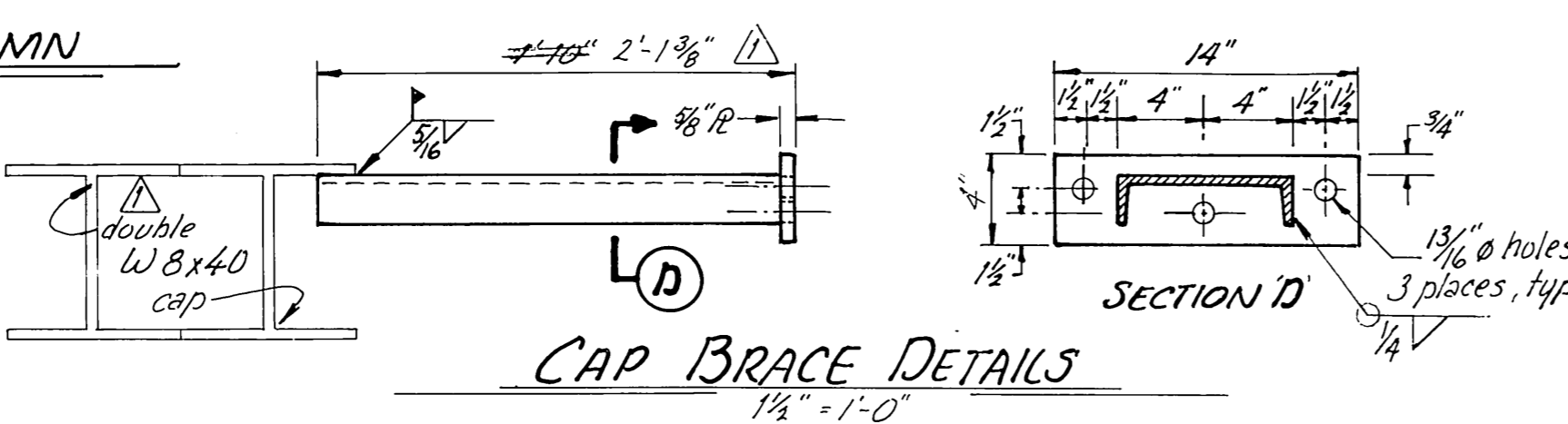
PARTIAL SECTION



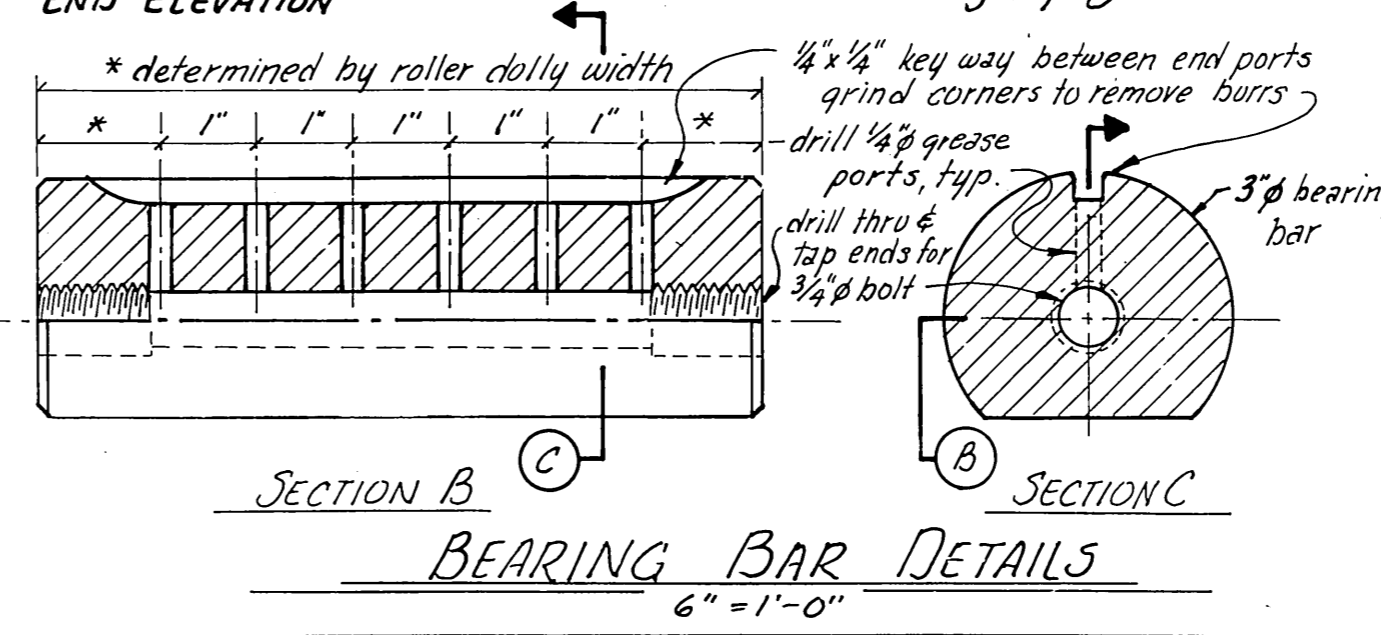
BEARING SUPPORT COLUMN
 SCALE: 3/4" = 1'-0" (see typ. section sht 5)



COLUMN CAP DETAILS
 1 1/2" = 1'-0"



CAP BRACE DETAILS
 1 1/2" = 1'-0"



BEARING BAR DETAILS
 6" = 1'-0"

4-5-83	Field Modifications, CO#2 - As-built	WmN
4-5-83	Material & dimension changes by CO#1 - As-built	WmN
Rev.	Date	Description

DO NOT SCALE THIS DRAWING - USE DIMENSIONS

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 DIVISION OF HARBOR DESIGN AND CONSTRUCTION

SKAGWAY ALASKA
MISC. PEDESTRIAN TRANSFER BRIDGE DETAILS

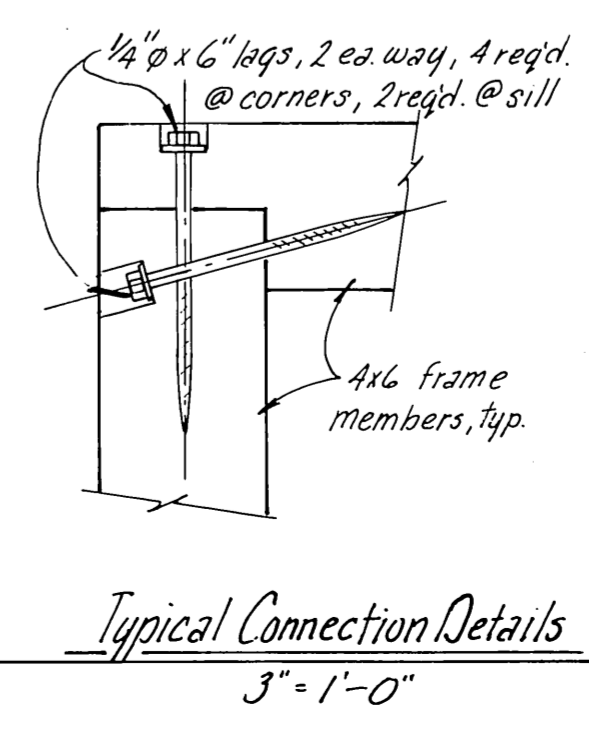
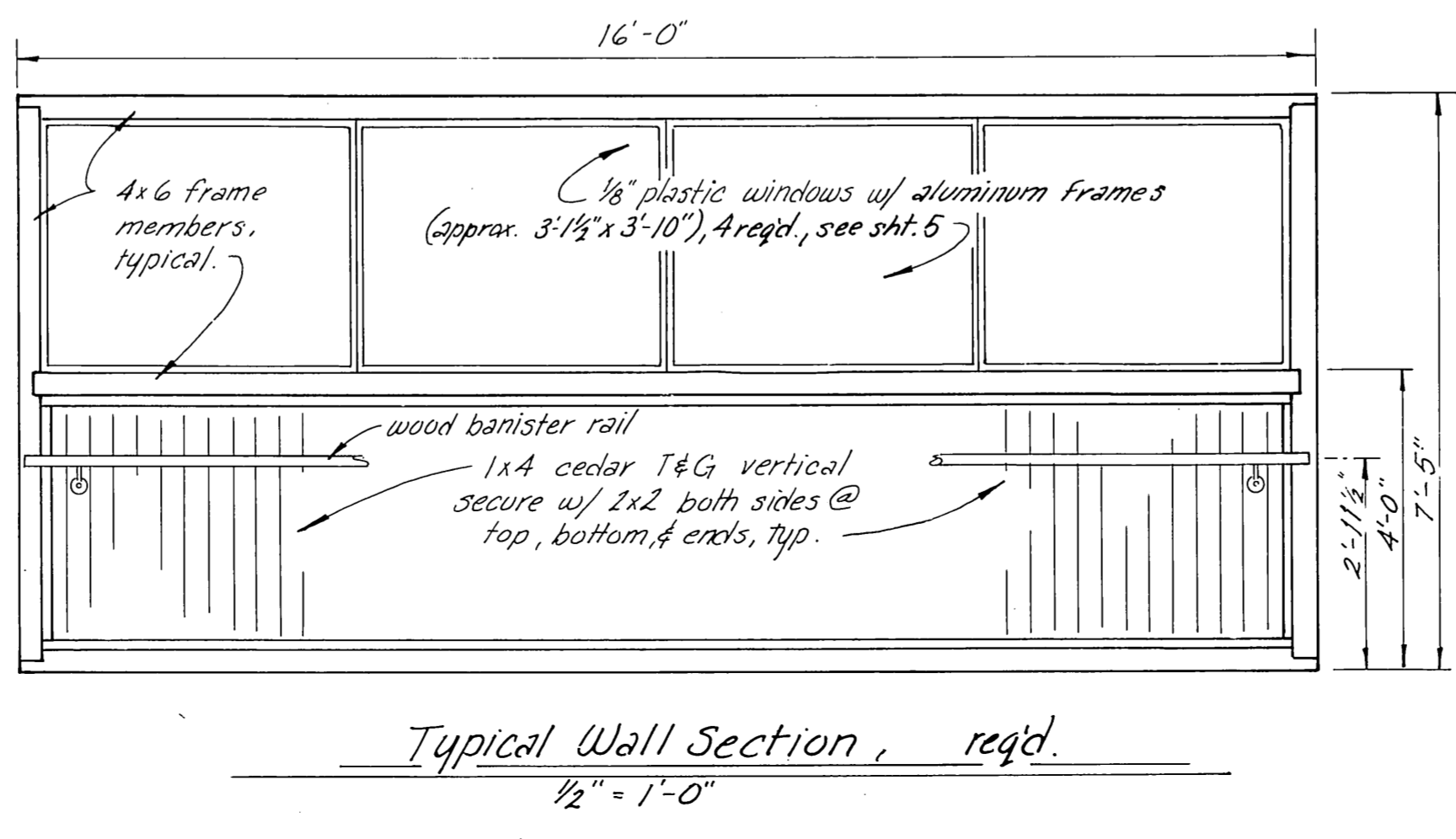
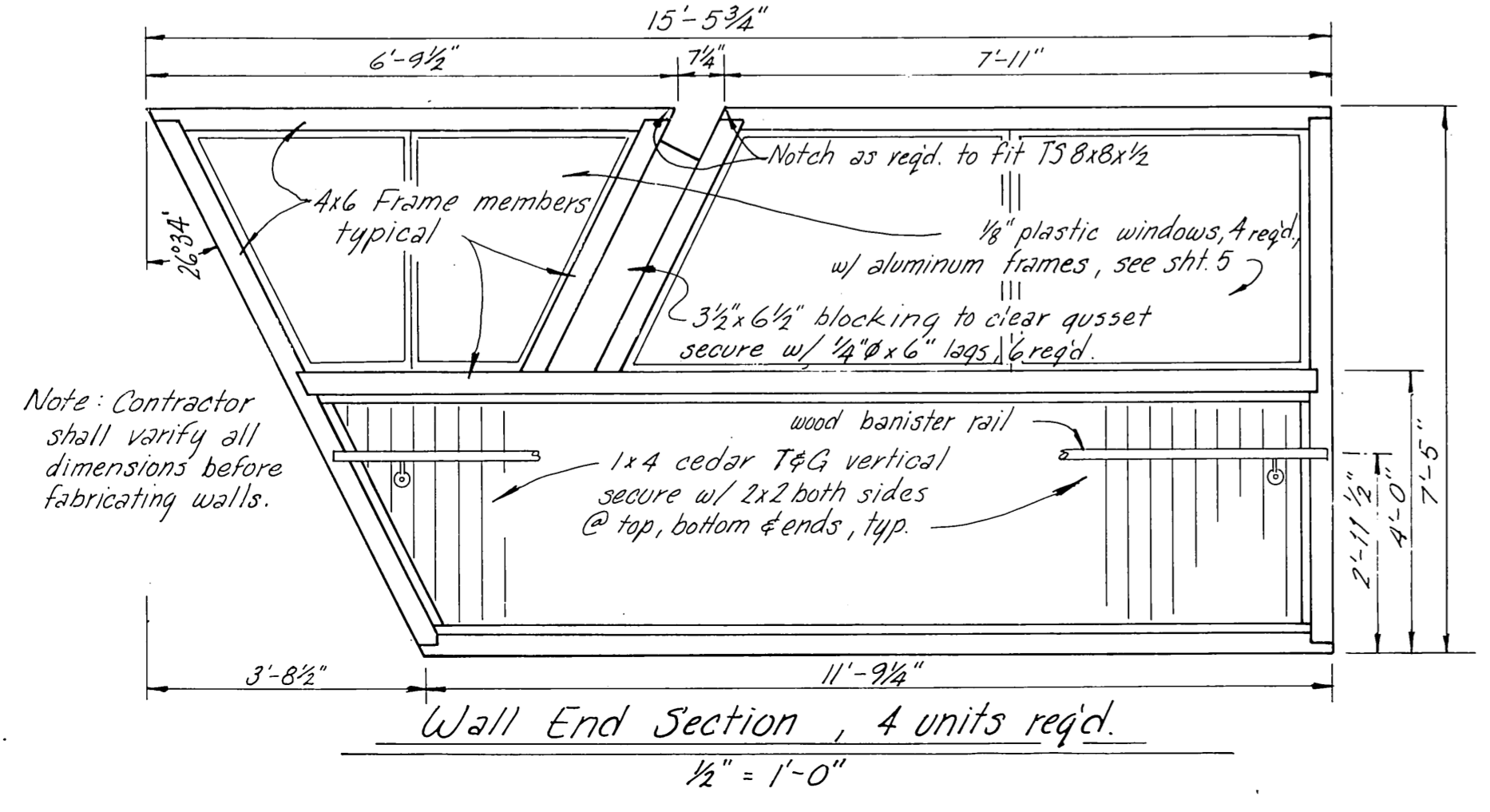
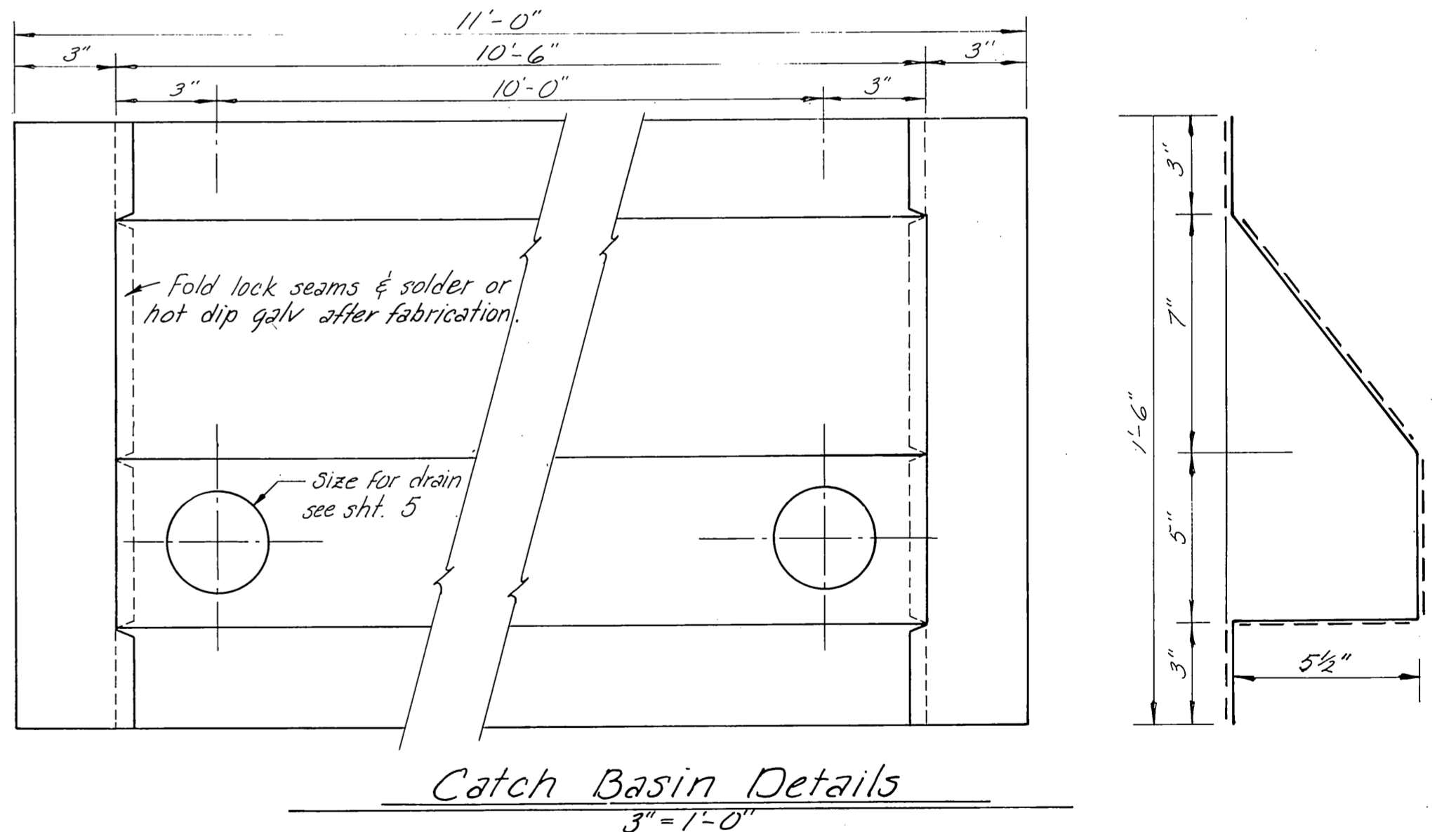
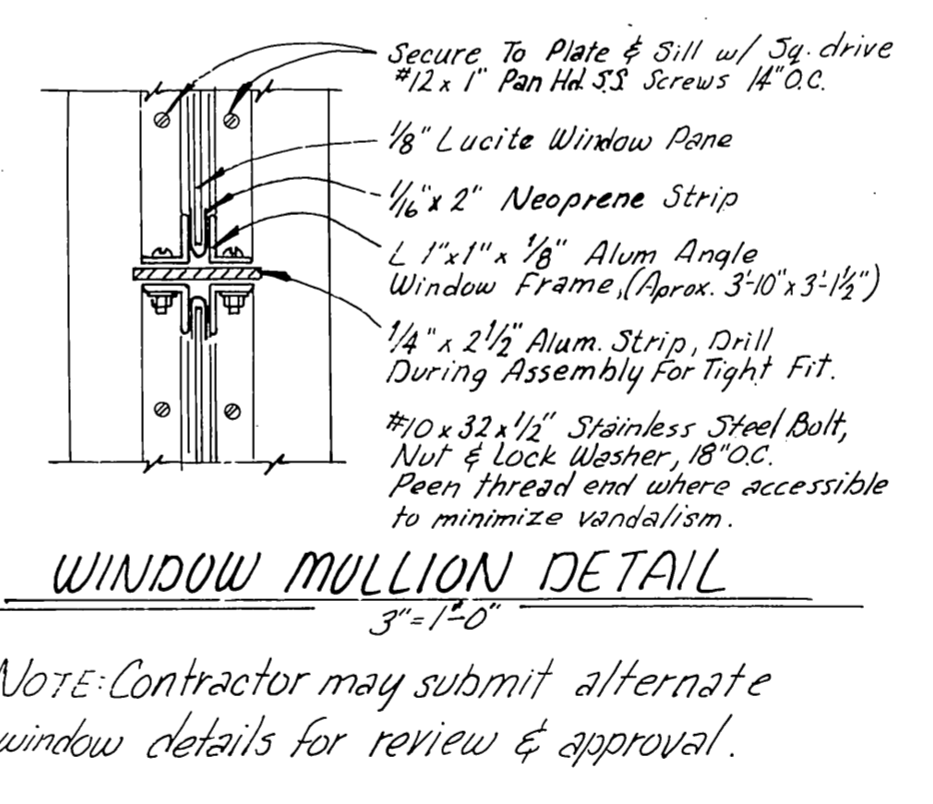
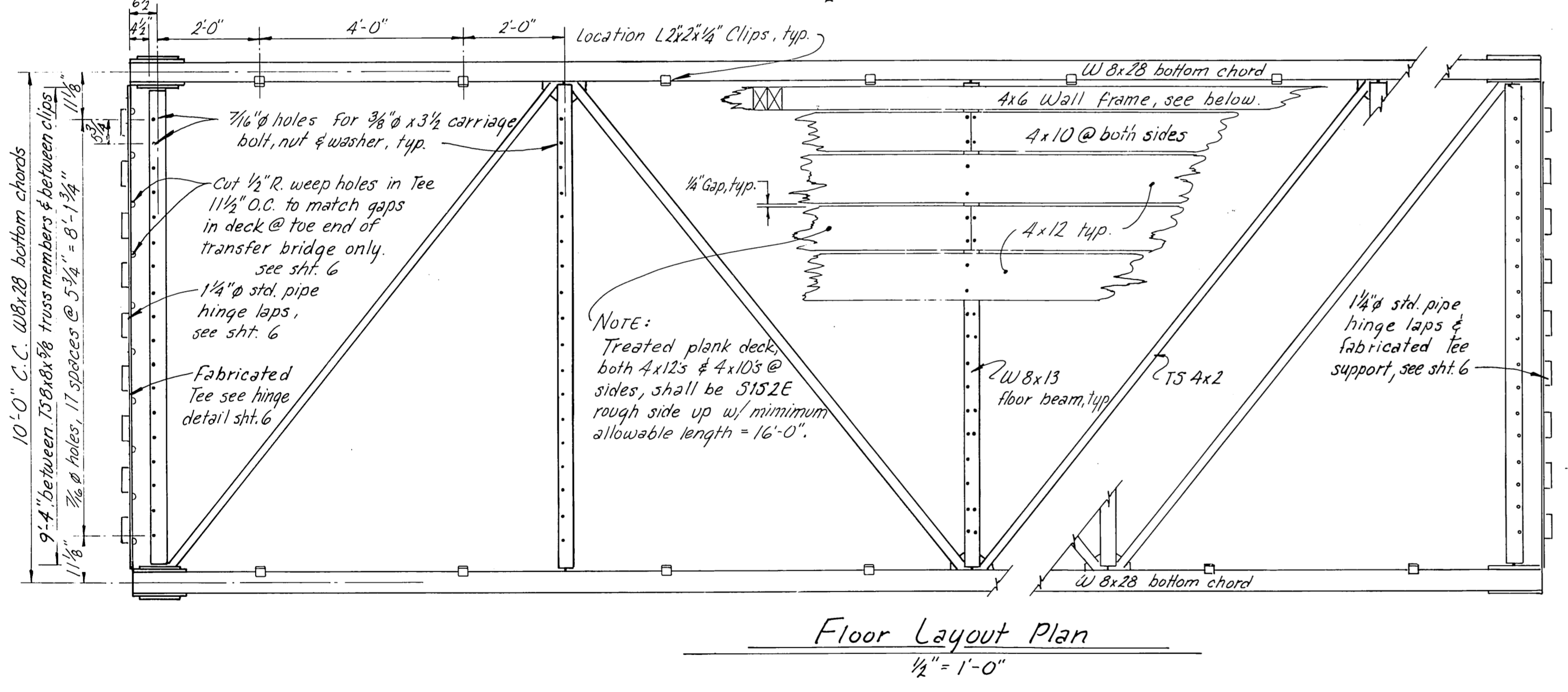
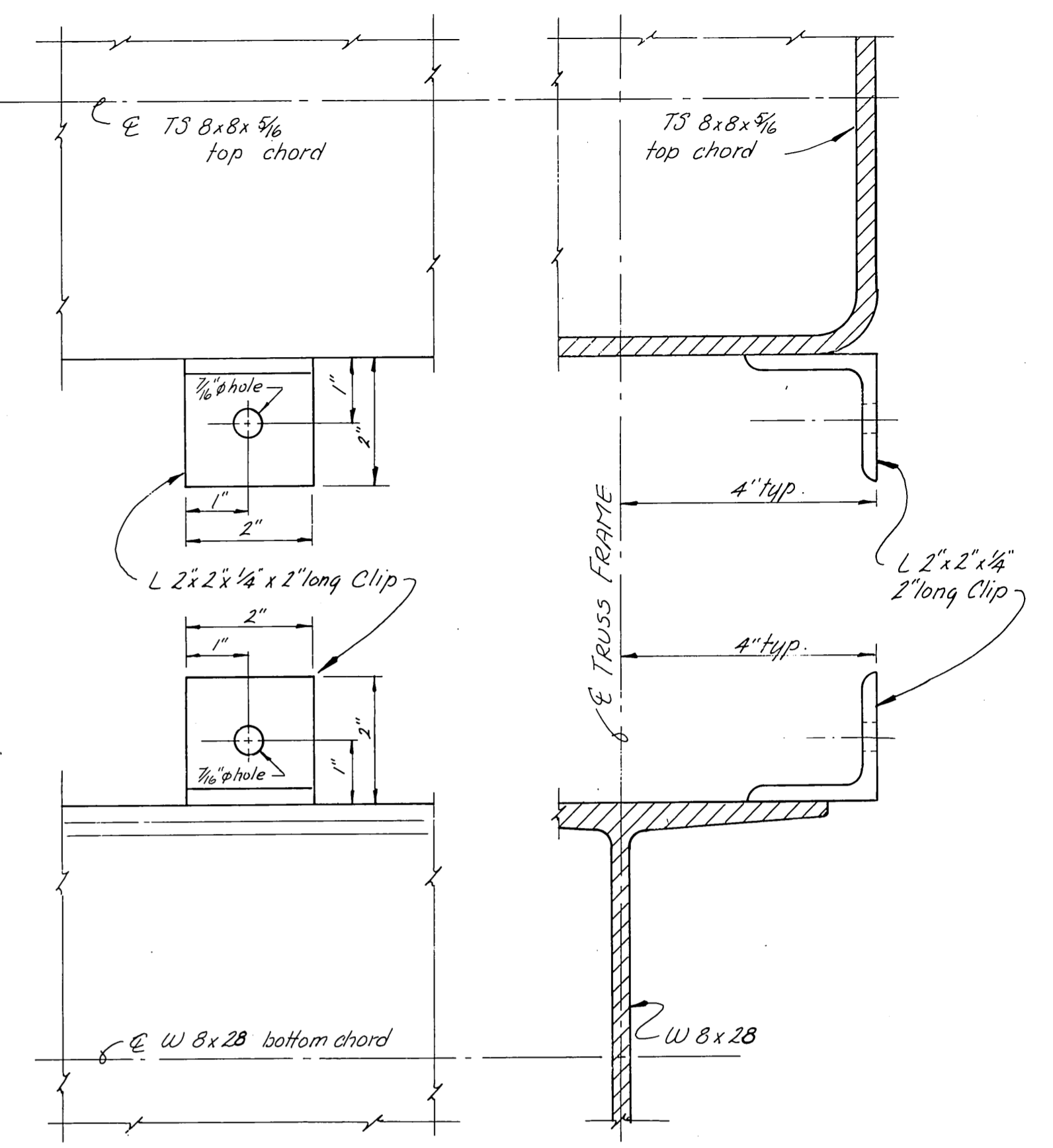
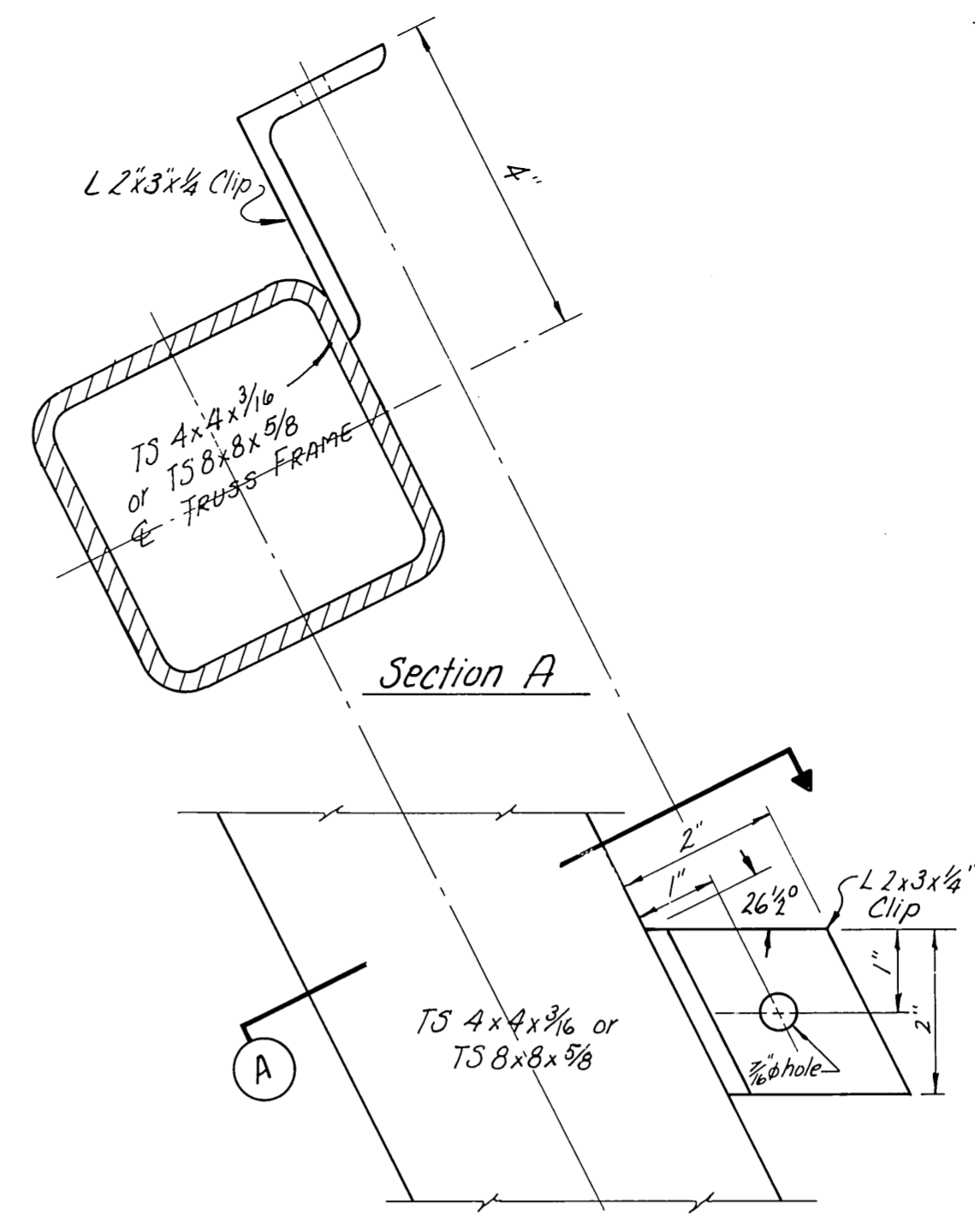
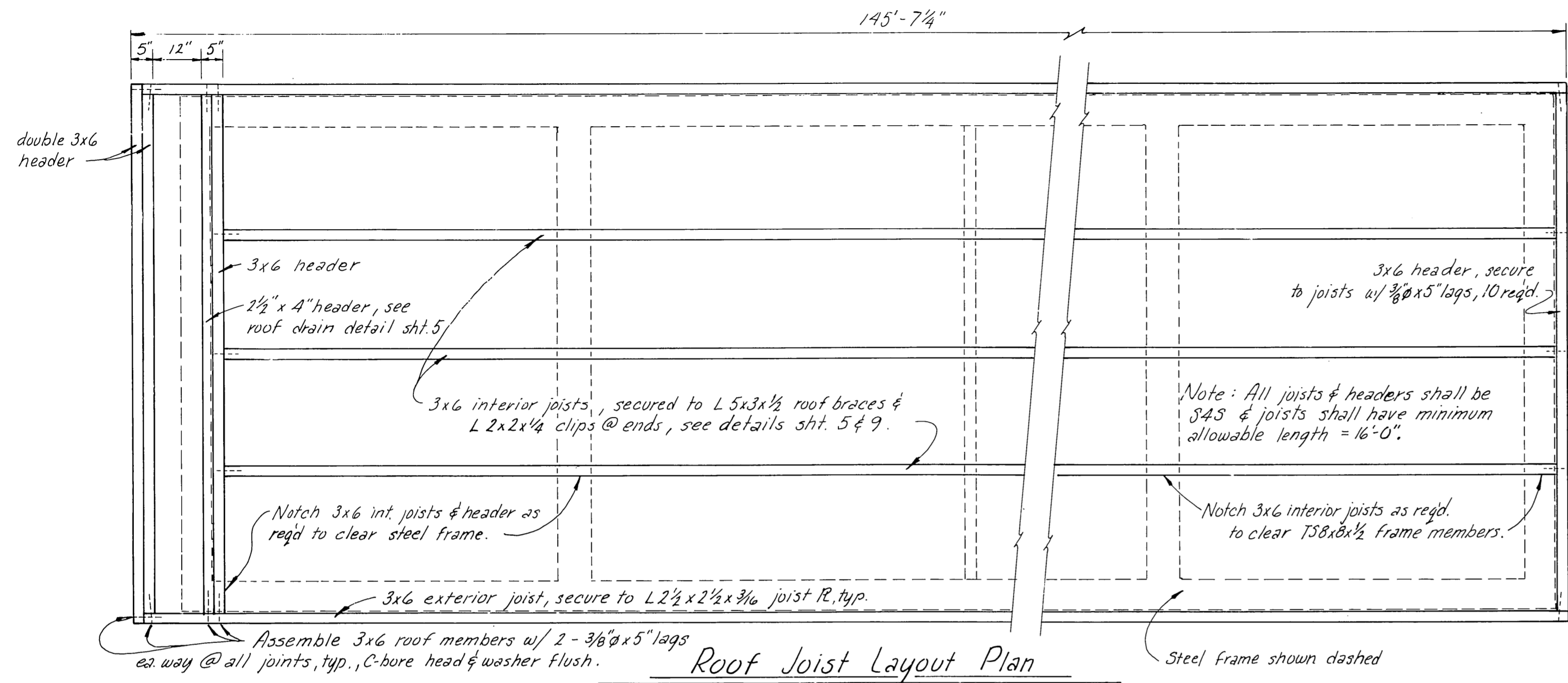
SCALE AS SHOWN
 DESIGNED HRZ/BS
 CHECKED JS

SURVEYED
 DRAWN WmN
 DATE 11/81

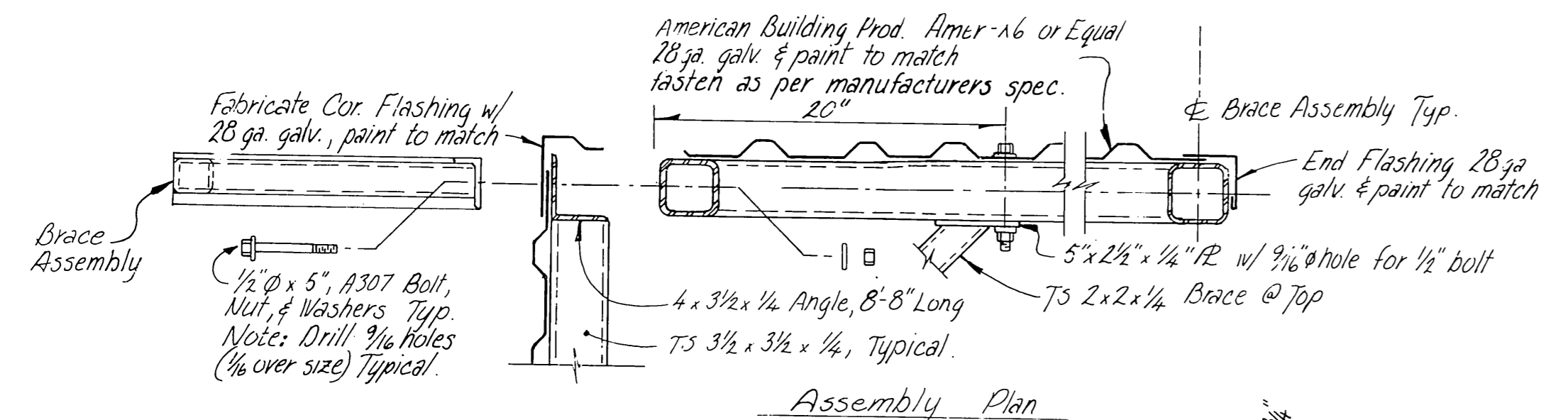
APPROVED
Robert P. Beck
 CHIEF OF DESIGN

PROJECT NUMBER R10263
 SHEET 6 OF 9

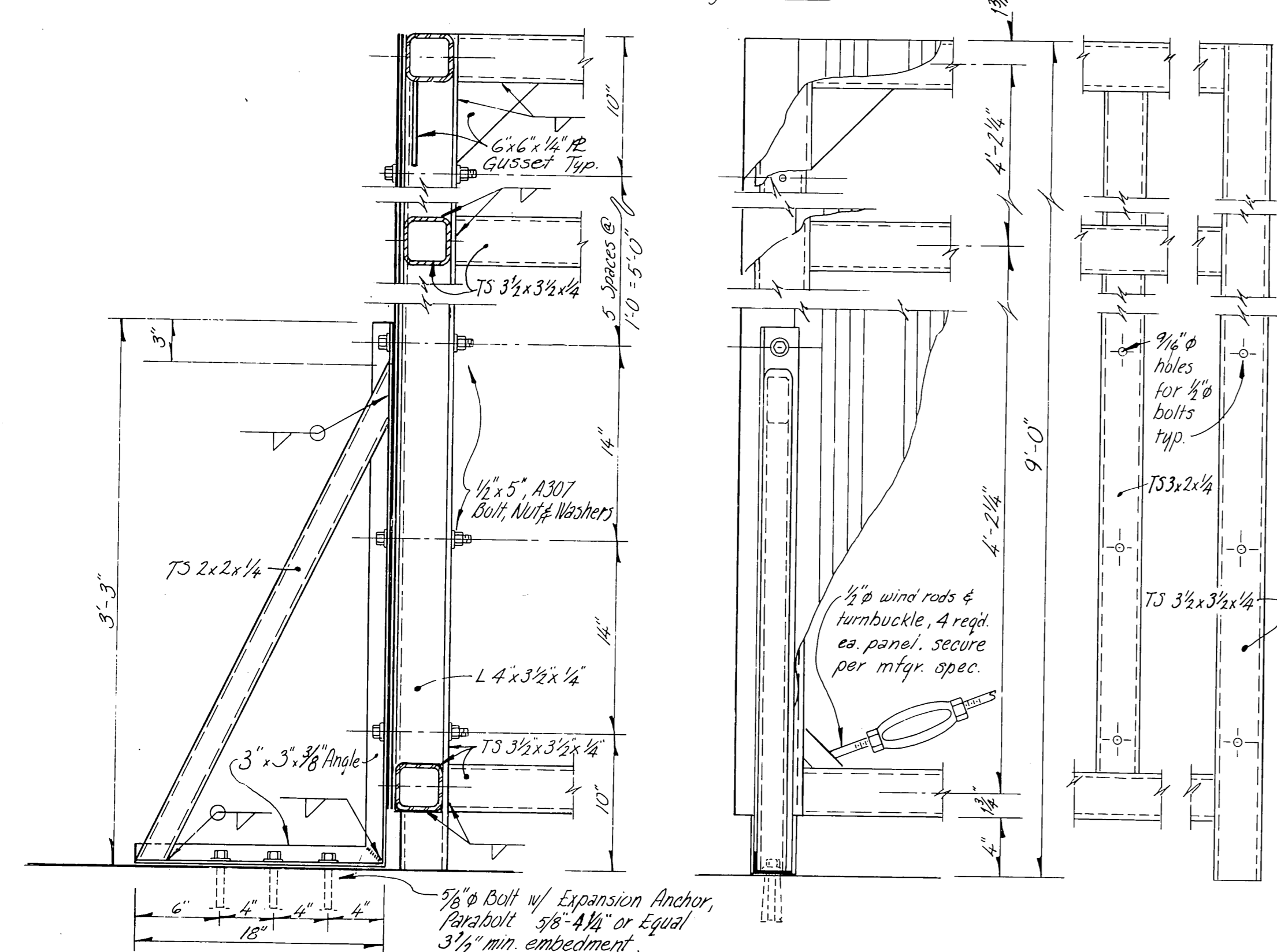




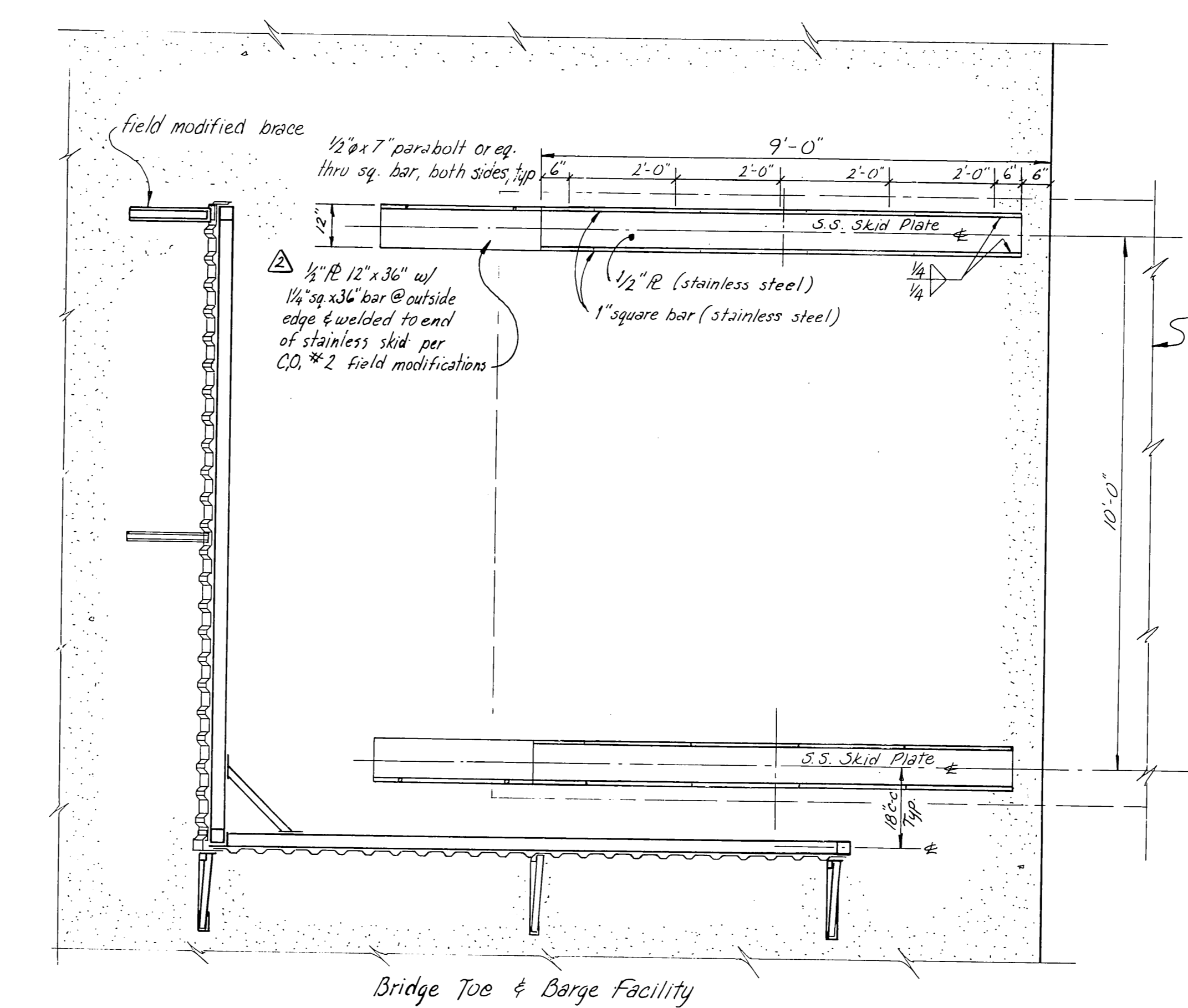
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		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION	
		Skogway Alaska MISC. PEDESTRIAN TRANSFER BRIDGE DETAILS	
SCALE: As Shown	SURVEYED:	APPROVED: Robert P. Beck	
DESIGNED:	DRAWN: WmN		
CHECKED: JDB	DATE: 2/82		
PROJECT NUMBER: R10263		SHEET 7 OF 9	



Assembly Plan

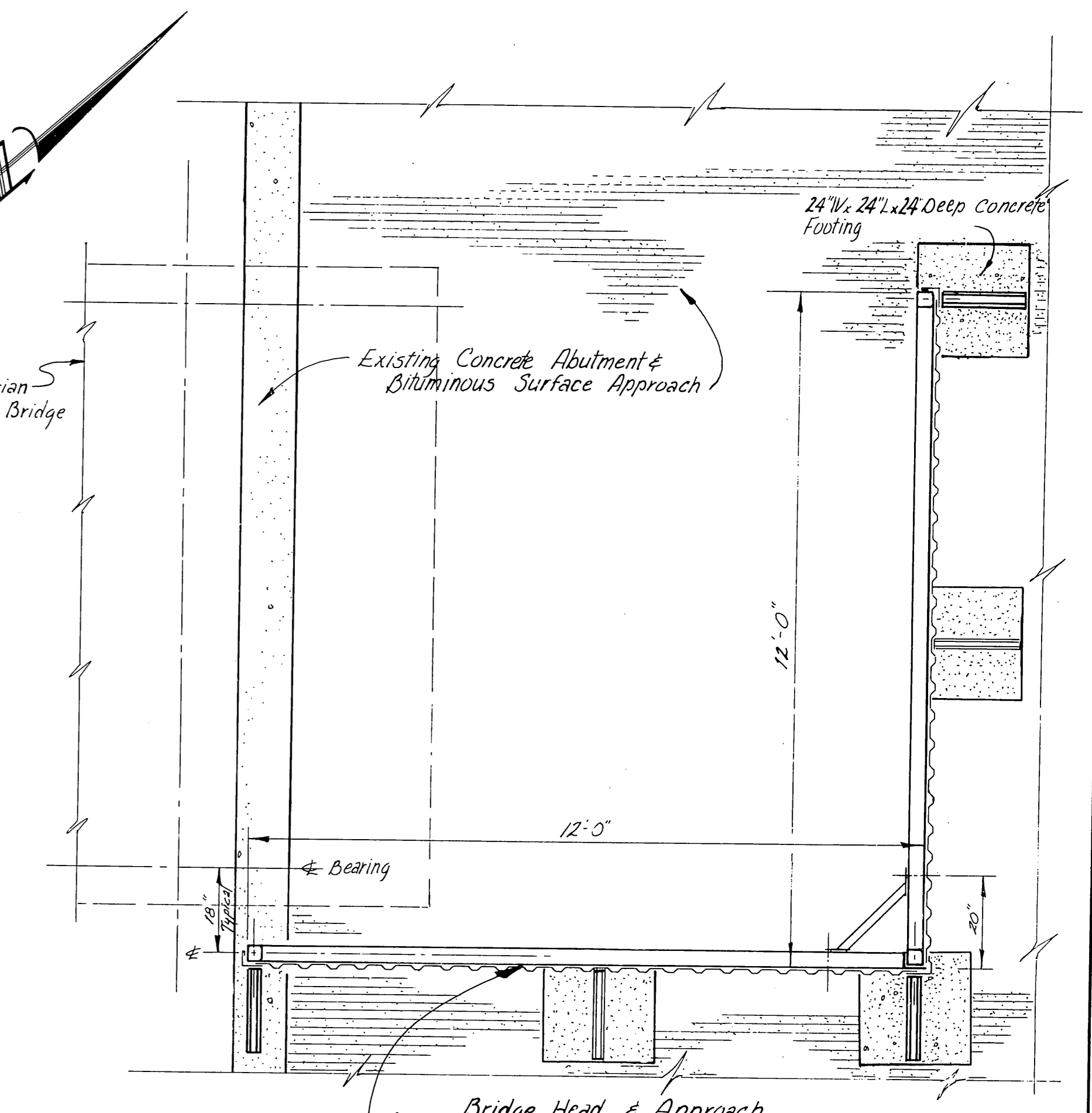


Sectional Elevation
End Elevation
WIND SCREEN DETAILS
SCALE: 1/2" = 1'-0"

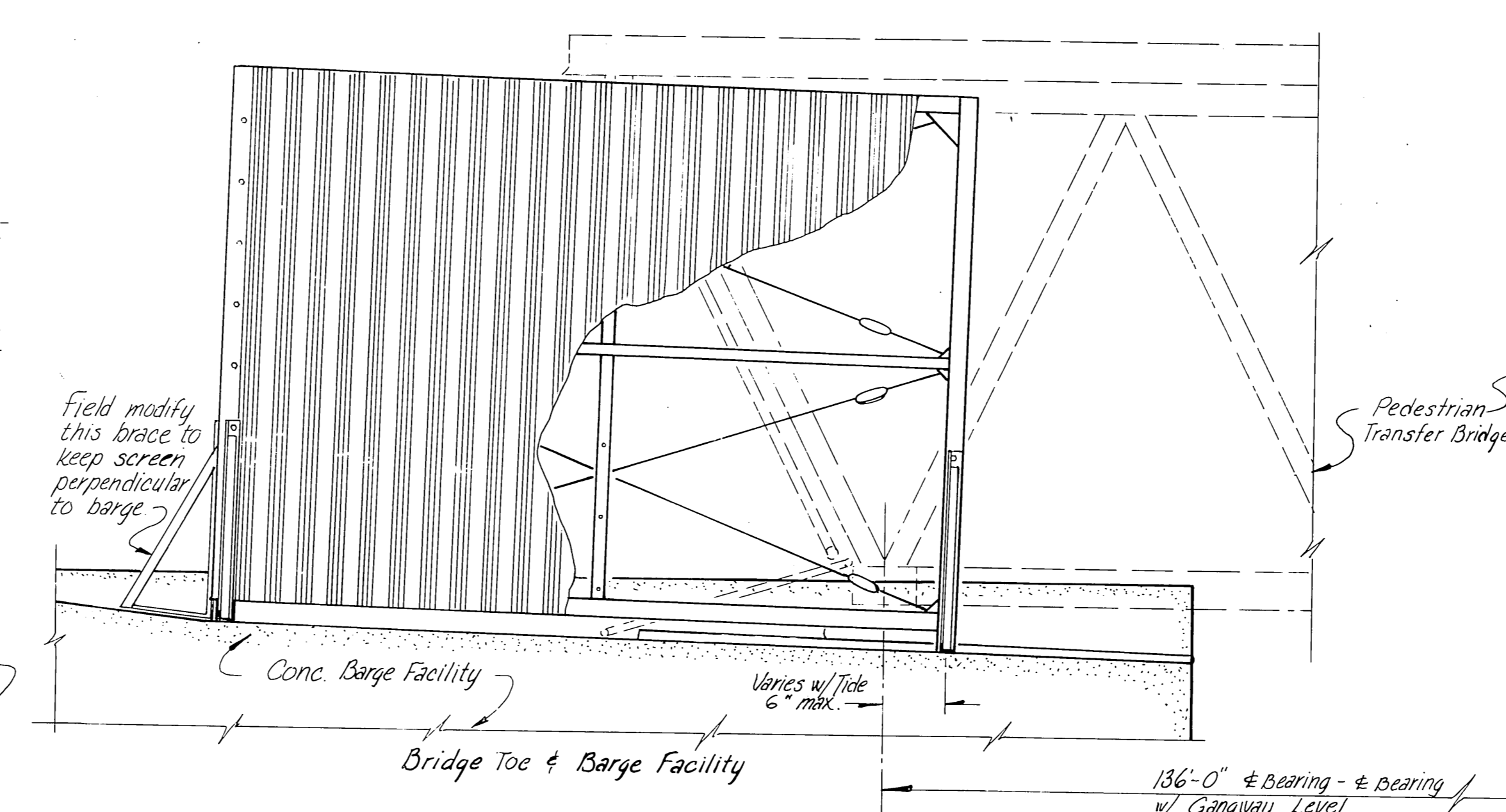


Bridge Toe & Barge Facility

WIND SCREEN LOCATION PLAN
SCALE: 1/2" = 1'-0"

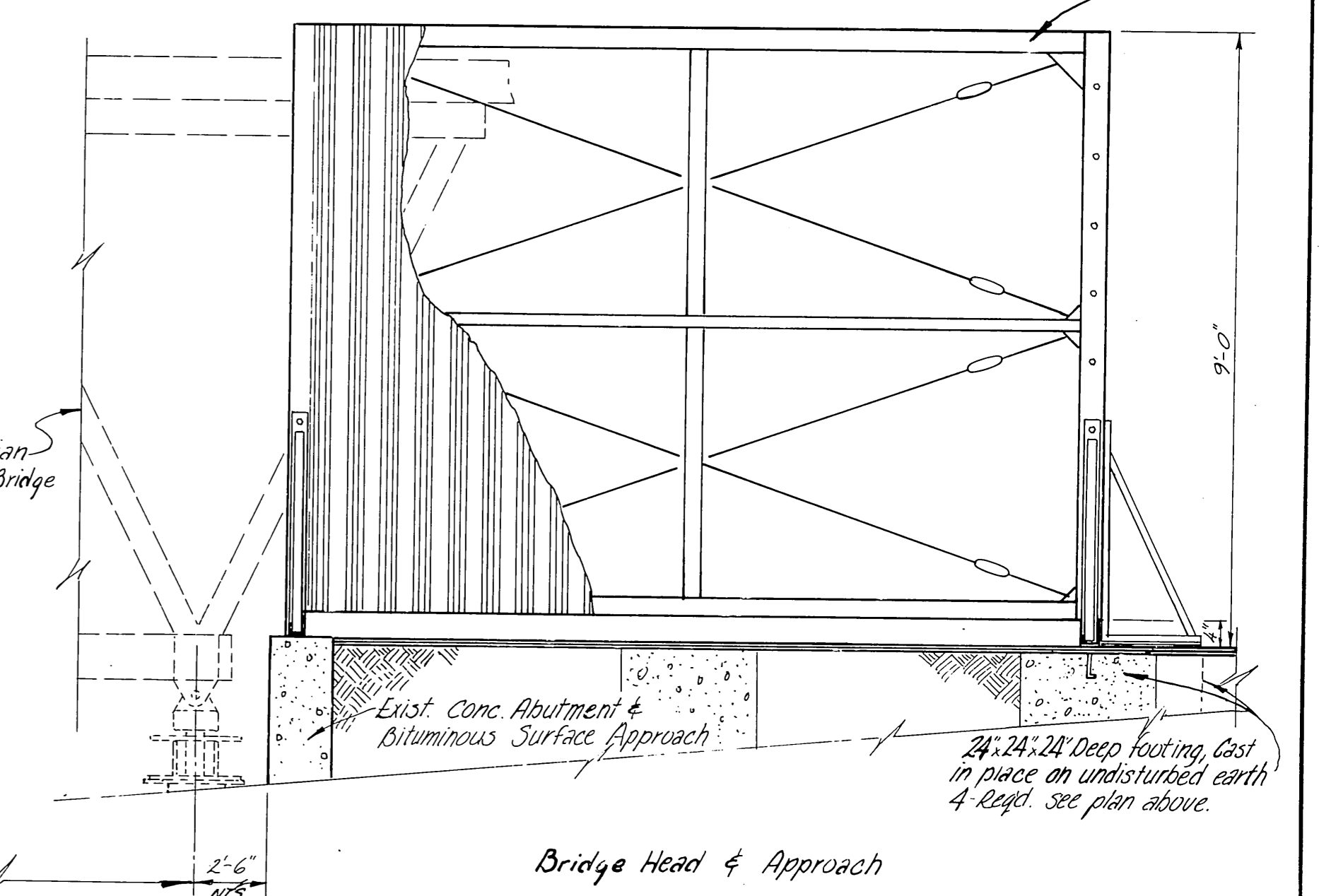


Bridge Head & Approach
Shoreward windscreen deleted by C.O.#1 due to Terminal Bldg. construction



Bridge Toe & Barge Facility

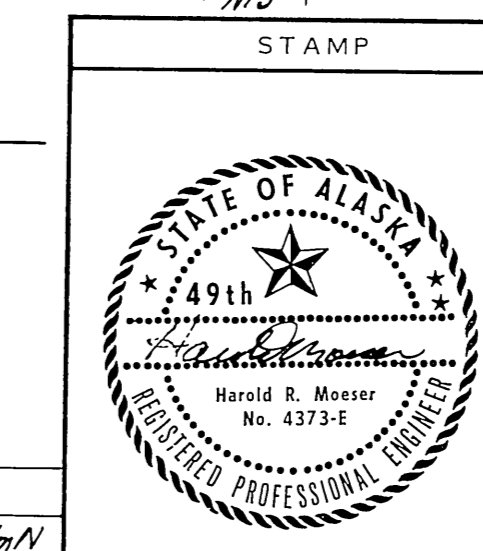
WIND SCREEN EAST ELEVATION
SCALE: 1/2" = 1'-0"



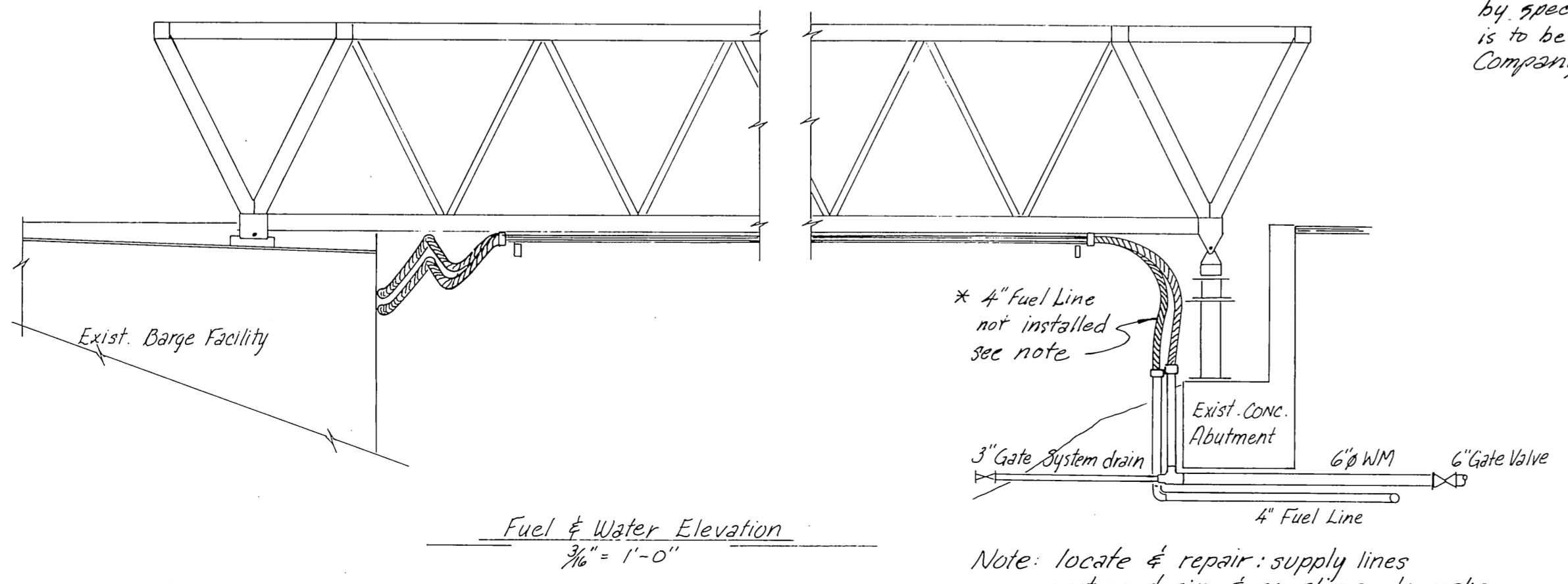
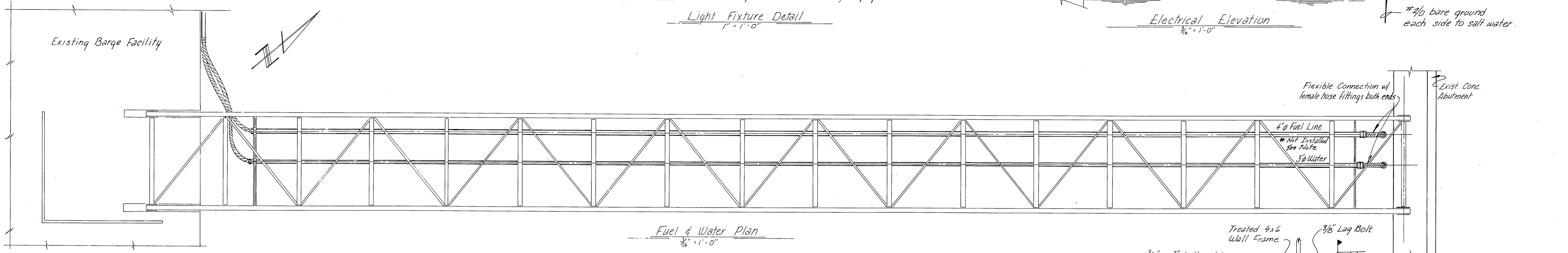
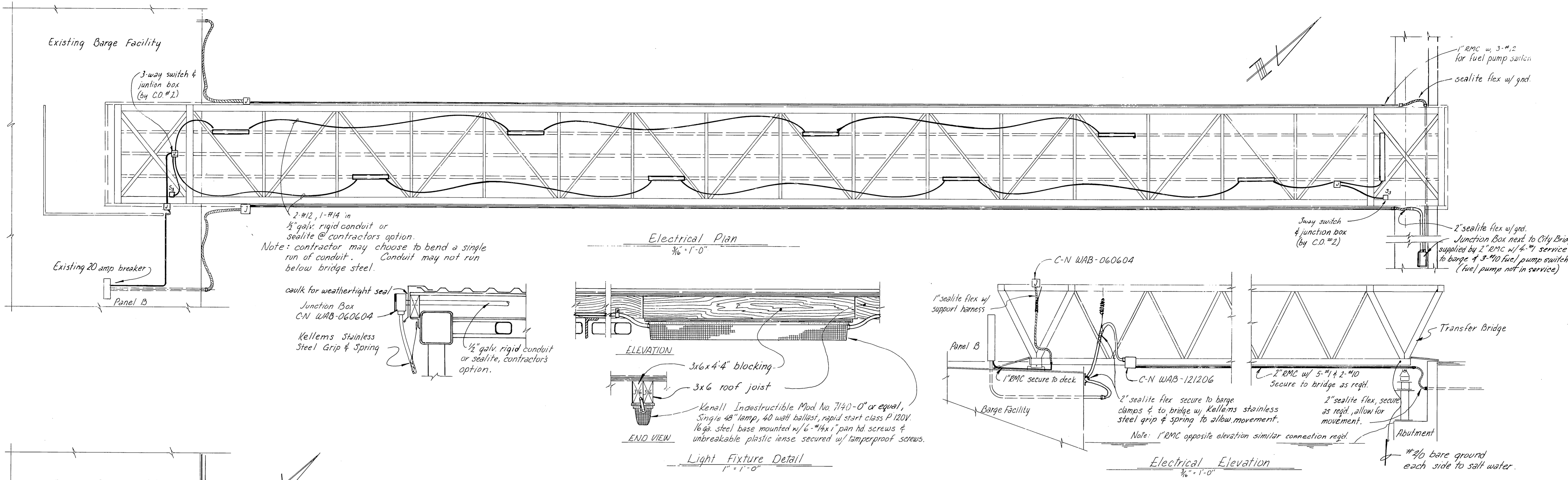
Bridge Head & Approach

NOTE: Contractor may submit alternate windscreen details subject to review & approval.

Rev	Date	Description	by
1	4-5-83	Modify skid per C.O.#2, As-built	WmN
2	4-5-83	Delete shoreward windscreen, C.O.#1	WmN



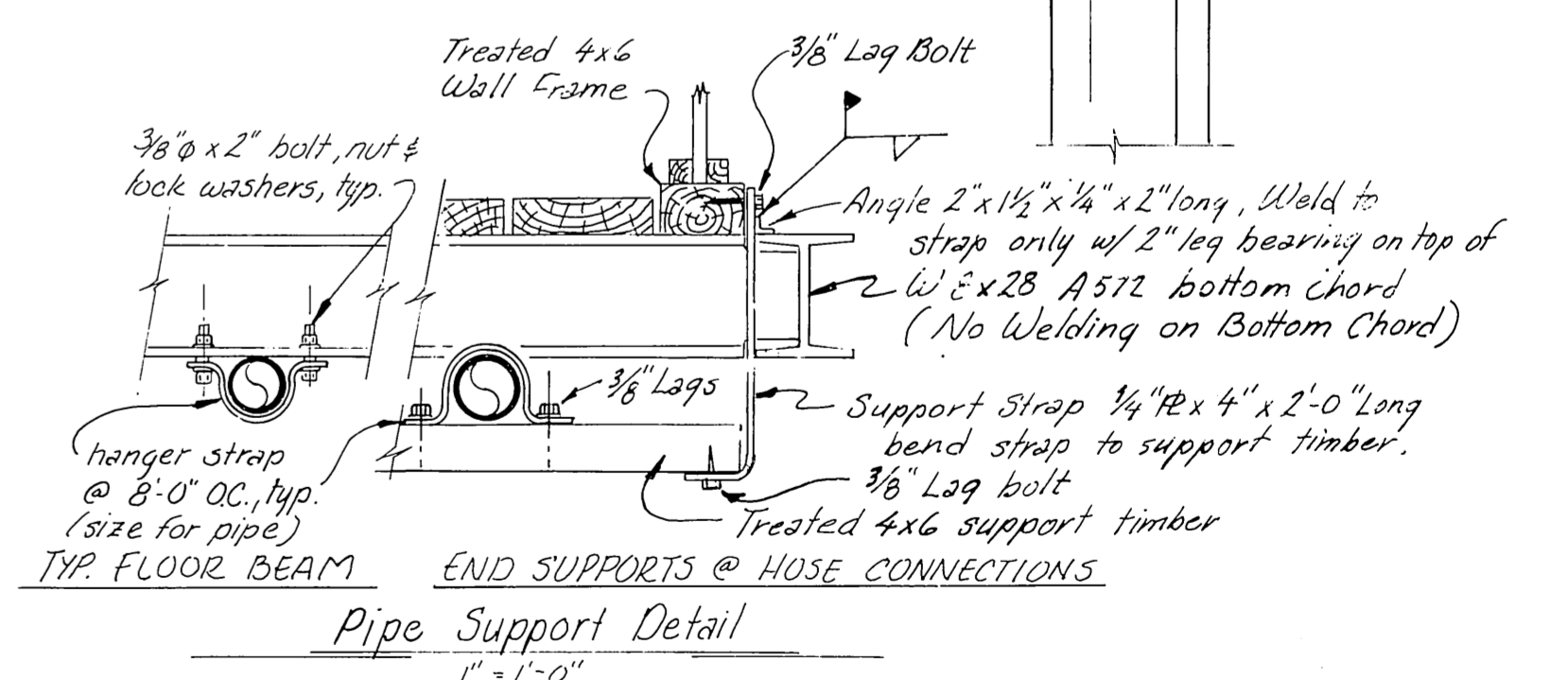
DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DIVISION OF HARBOR DESIGN AND CONSTRUCTION		
Skagway	Alaska	
WINDSCREEN LAYOUT & MISC. DETAILS		
SCALE AS SHOWN	SURVEYED	APPROVED
DESIGNED SS	DRAWN WmN	Robert P. Beck CHIEF OF DESIGN
CHECKED SS	DATE 11-81	
PROJECT NUMBER R 10263	SHEET 8	OF 9



* Note: 4" Fuel Lines must be installed by specially qualified crew & is to be installed by Chevron Oil Company crew at their convenience.

Note: locate & repair: supply lines system drain & couplings, to make transition from temporary to permanent connections.

- Notes:**
- The location of utilities shown on these plans are approximate and shall be verified by contractor prior to installation.
 - Flexible connections for 3" water main and 4" fuel lines will each require approx. 16 LF. of rubber hose w/ bronze male hose adapters for IPT to NST, and bronze pin lug female hose couplings each end. Rubber hoses used in the above installations shall have the following minimum P.S.I. ratings: 3"-75 psi. & 4"-200 psi.
 - Flexible connections for the 1" RMC. (pump switch) and 2" RMC. (Main Elect Supply) shall be watertight in accordance w/ the NEC.
 - Contractor may utilize existing temporary utility pipe, hose & couplings as approved by engineer. Existing temporary electrical materials may be used as approved by engineer and local utility. Interruption of utilities shall be coordinated with Ferry System to minimize inconvenience.
 - All electrical per NEC.1978 minimum.



STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION	
		Skagway	Alaska
UTILITIES PLAN & DETAILS			
SCALE: As Shown	SURVEYED: _____	APPROVED: Robert P. Beck	
DESIGNED: _____	DRAWN: WmN		
CHECKED: SS	DATE: 11, 81		
PROJECT NUMBER: R.10263	SHEET 9 OF 9		