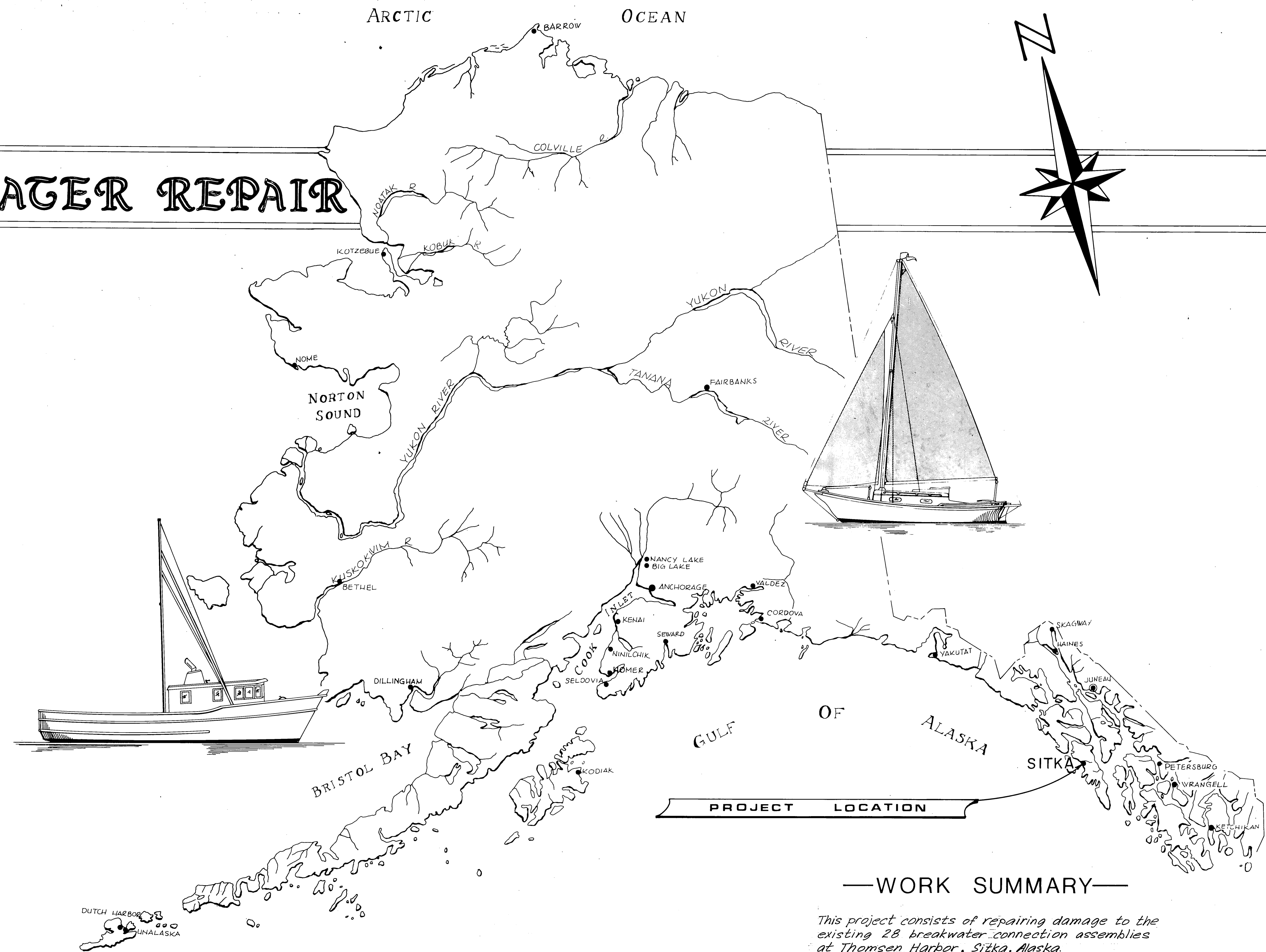


THOMSEN HARBOR BREAKWATER REPAIR

PROJECT NO. K 32132



—WORK SUMMARY—

This project consists of repairing damage to the existing 28 breakwater connection assemblies at Thomsen Harbor, Sitka, Alaska.

INDEX TO SHEETS

[illegible]

STATE
OF
ALASKA

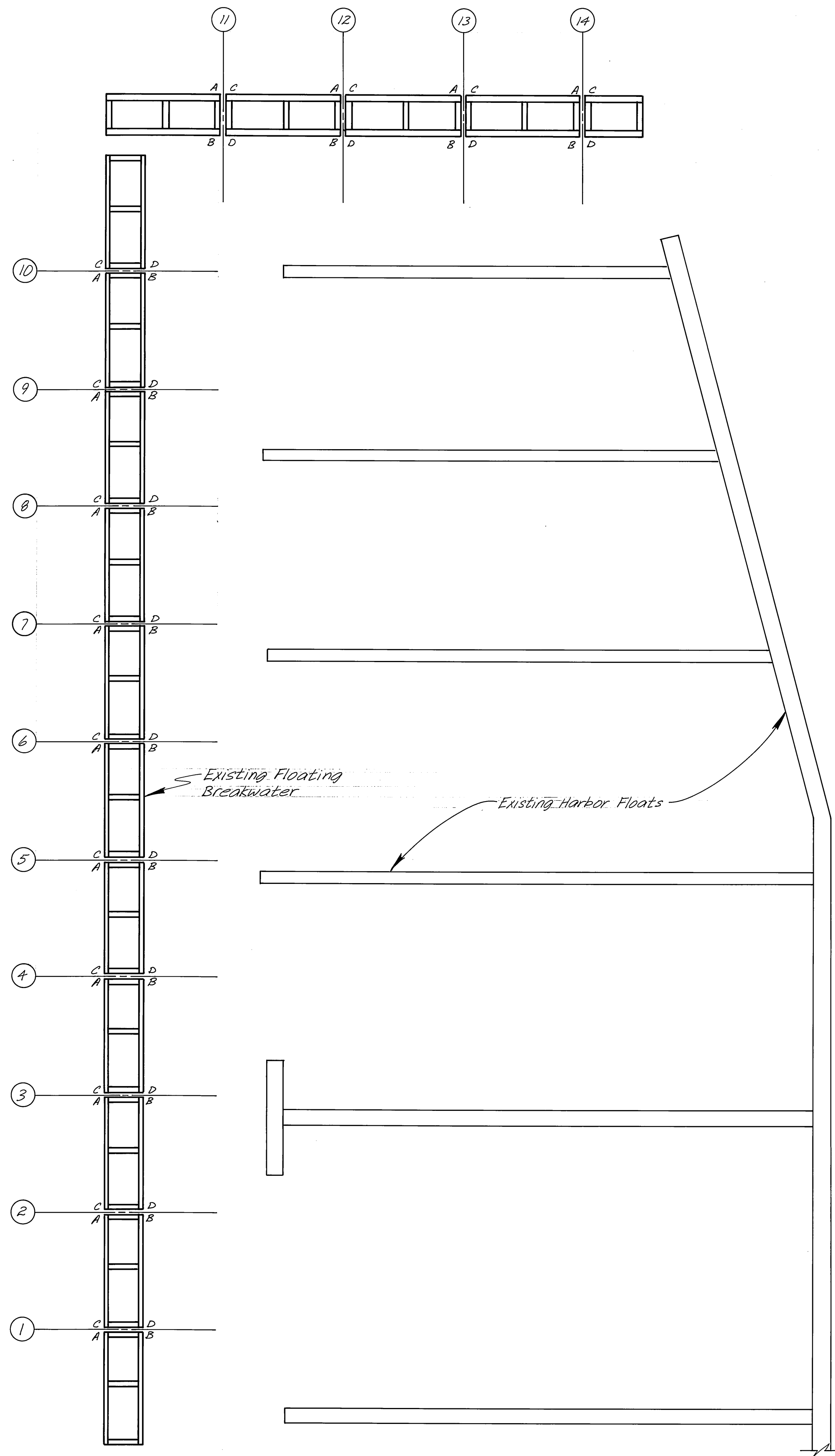
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

HARBOR DESIGN & CONSTRUCTION

APPROVED

DATE October 7, 1983

SHEET **1** OF **4**



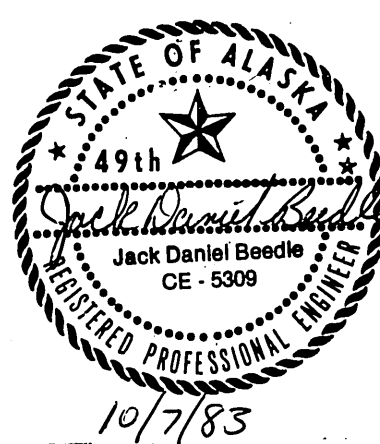
BREAKWATER LAYOUT
1"=40'-0"

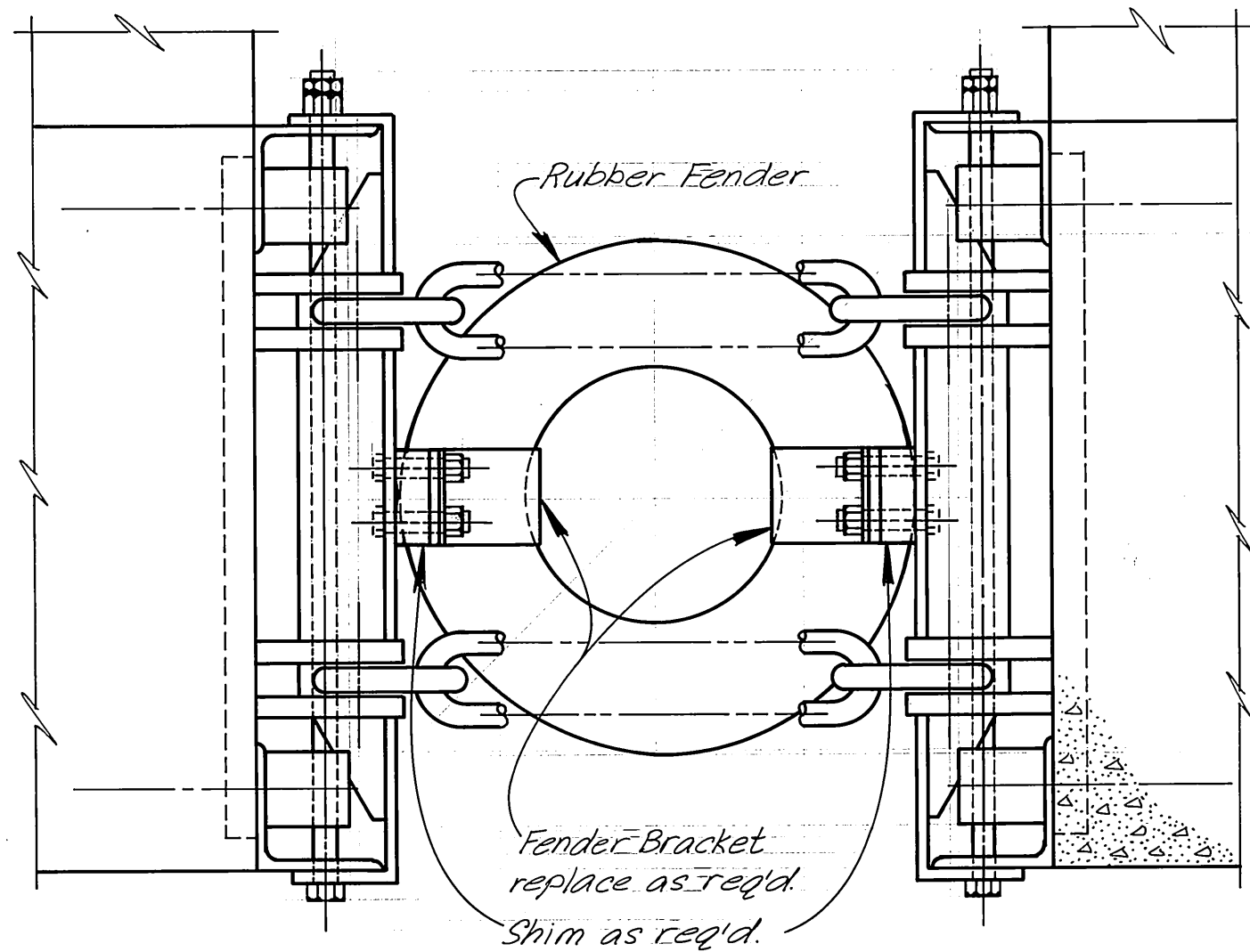
WORK SUMMARY

1 Shim, torque and safety nut all joints

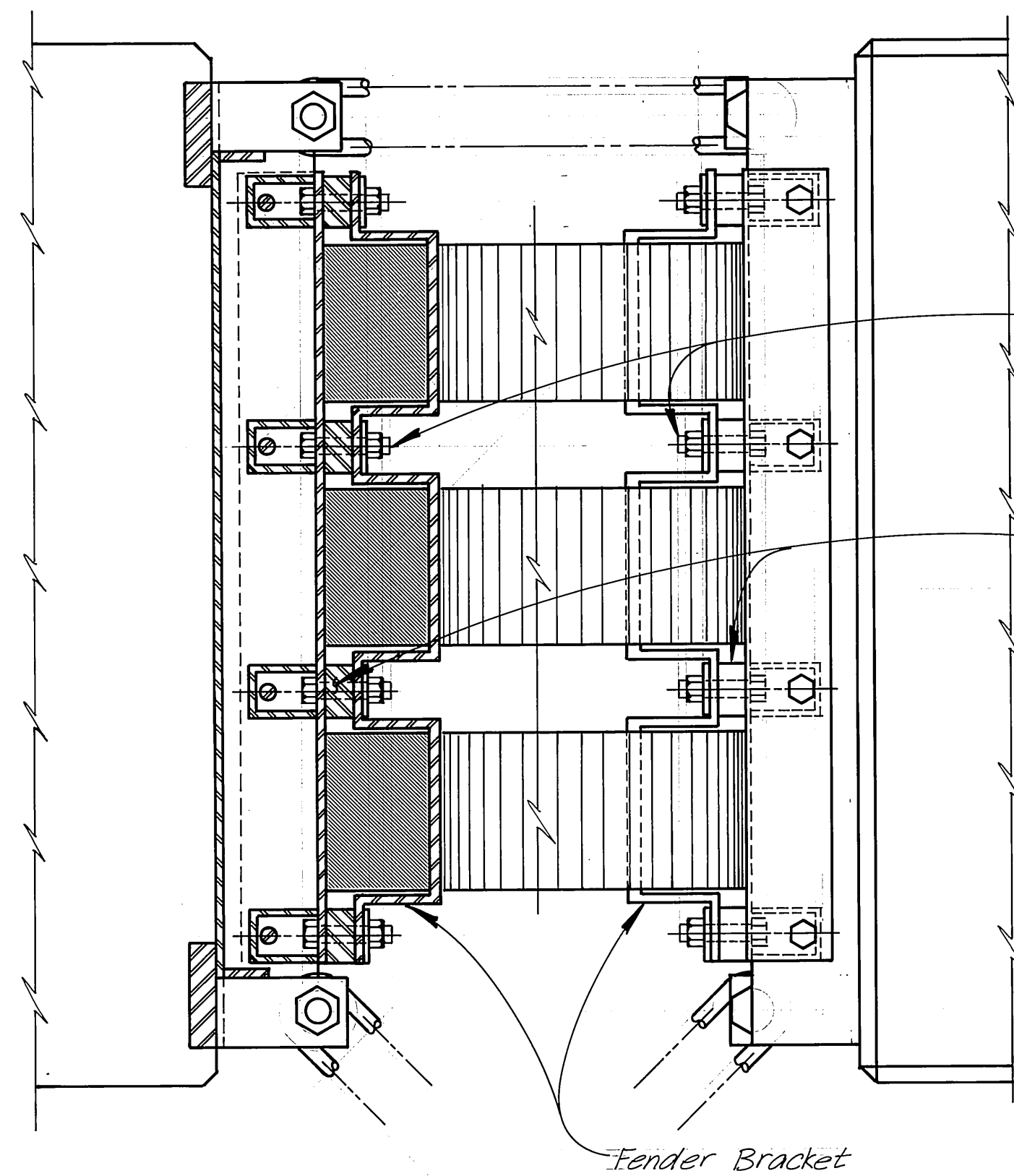
2 Replace bolts at joint 3A,(0); 3B,(6); 3C,(5); 4A,(5); 4B,(0);
4C,(5); 5B,(0); 5C,(0); 5D,(2); 10A,(0); 12A,(5); 12B,(2); 12C,(2); 12D,(0);
13A,(0); 13B,(0); 13C,(0) () no. of bolts req'd.

3 Replace bracket at joint 3A, 3B, 5C, 12A, 12D, 13A, 13B,
and 13C.

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION	
		Sitka Alaska BREAKWATER LAYOUT	
SCALE <u>As Noted</u>	SURVEYED	APPROVED	
DESIGNED	DRAWN <u>LVB</u>		
CHECKED	DATE <u>10/83</u>		
PROJECT NUMBER <u>K 32132</u>		SHEET <u>2</u> OF <u>4</u>	



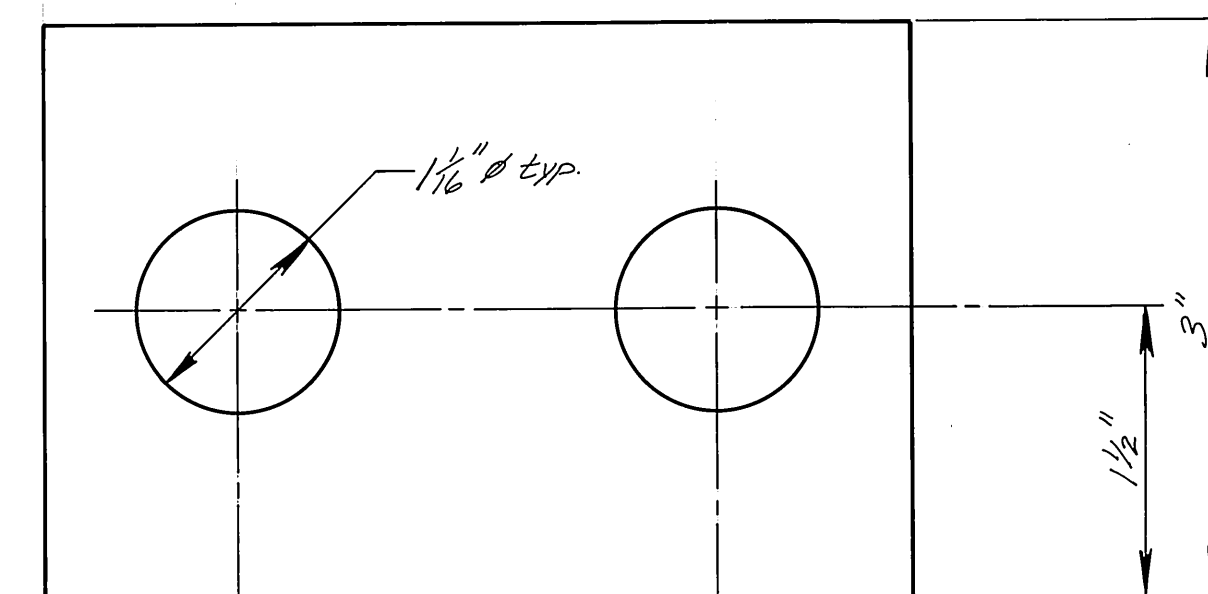
PLAN



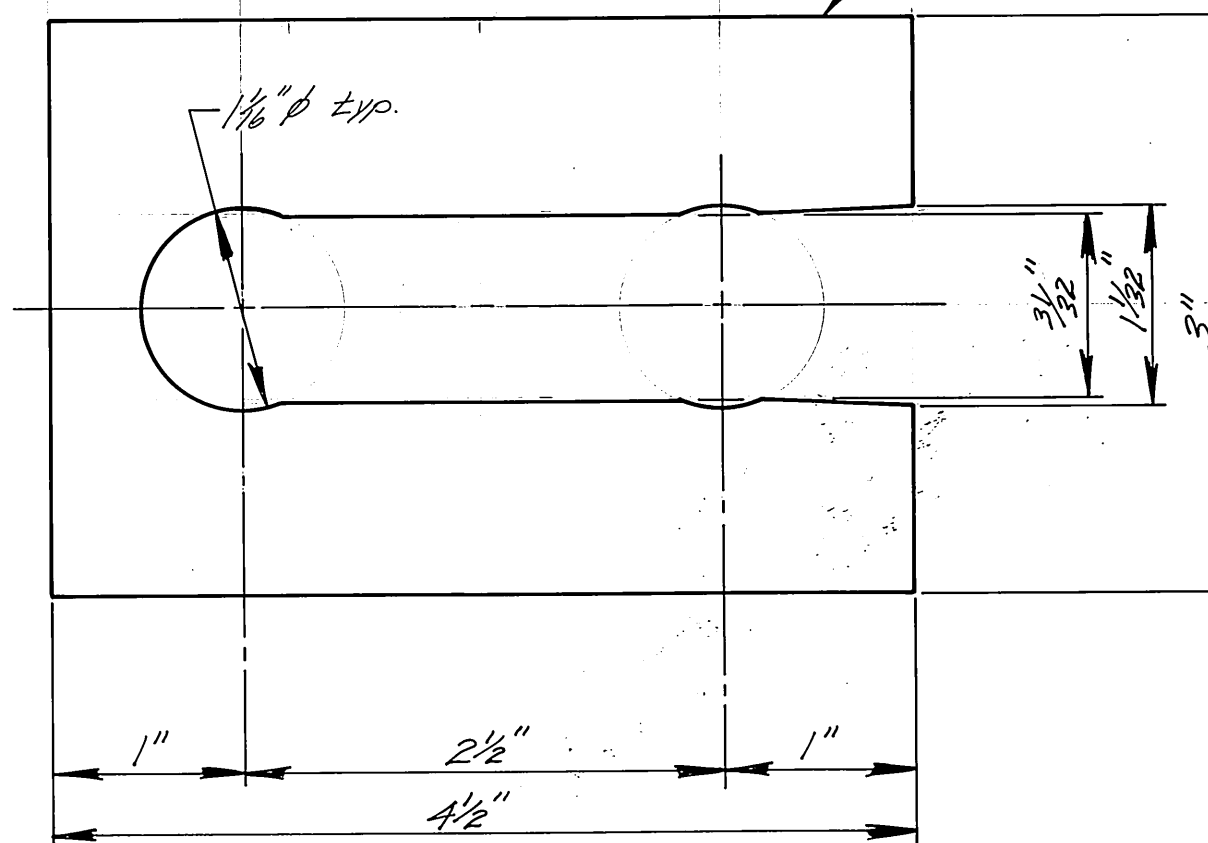
ELEVATION

CONNECTION DETAIL

1 1/2" = 1'-0"



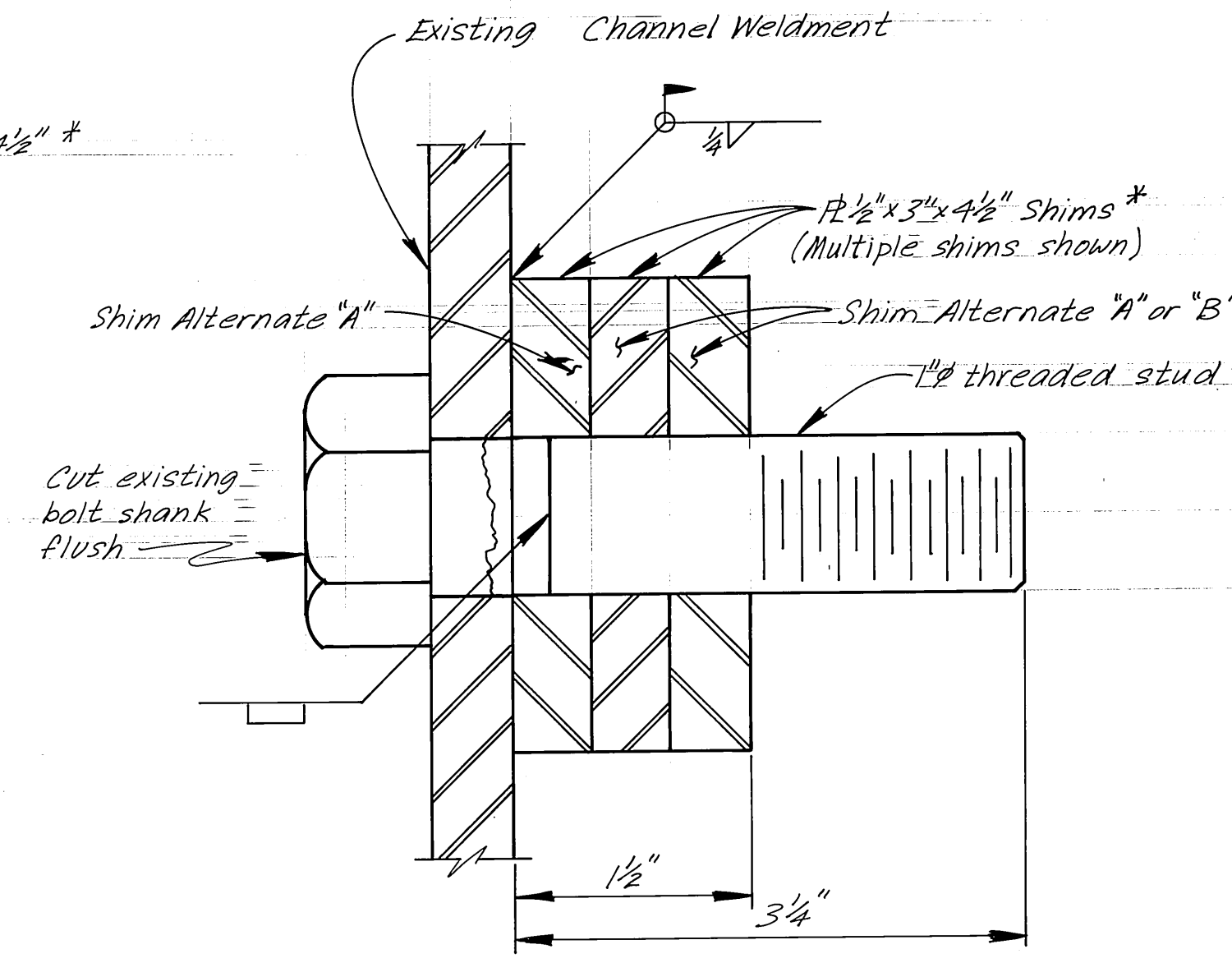
SHIM ALTERNATE "A"



SHIM ALTERNATE "B"

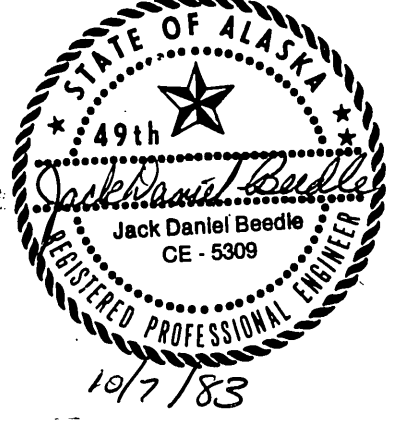
12" = 1'-0"

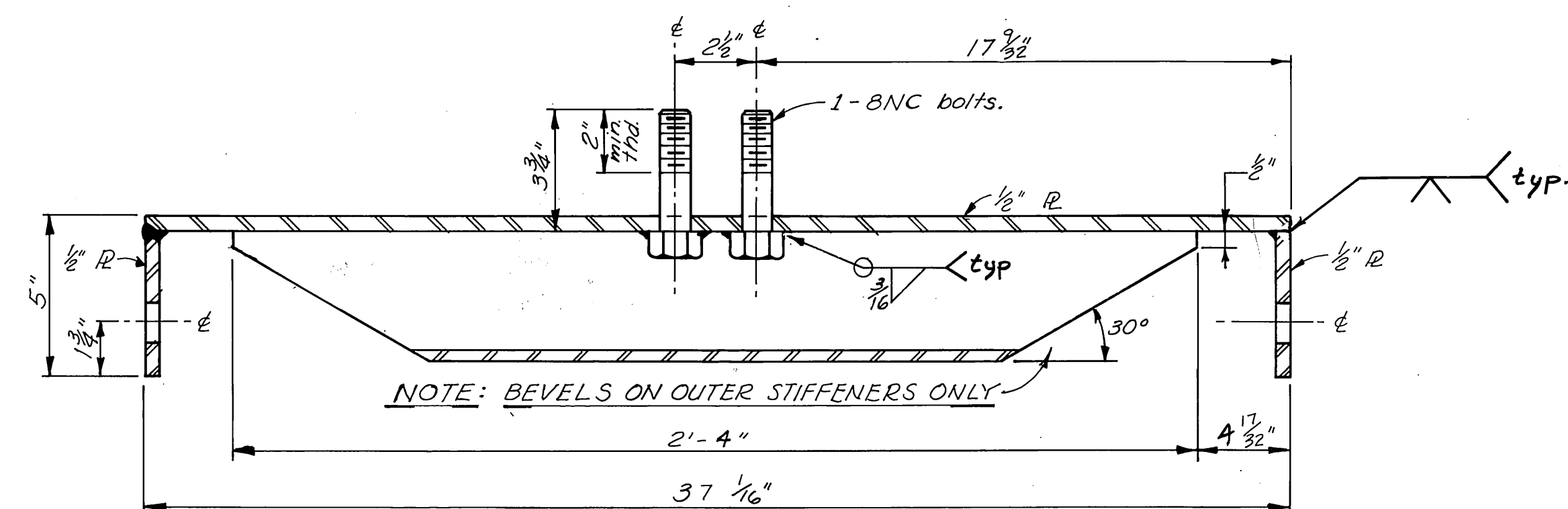
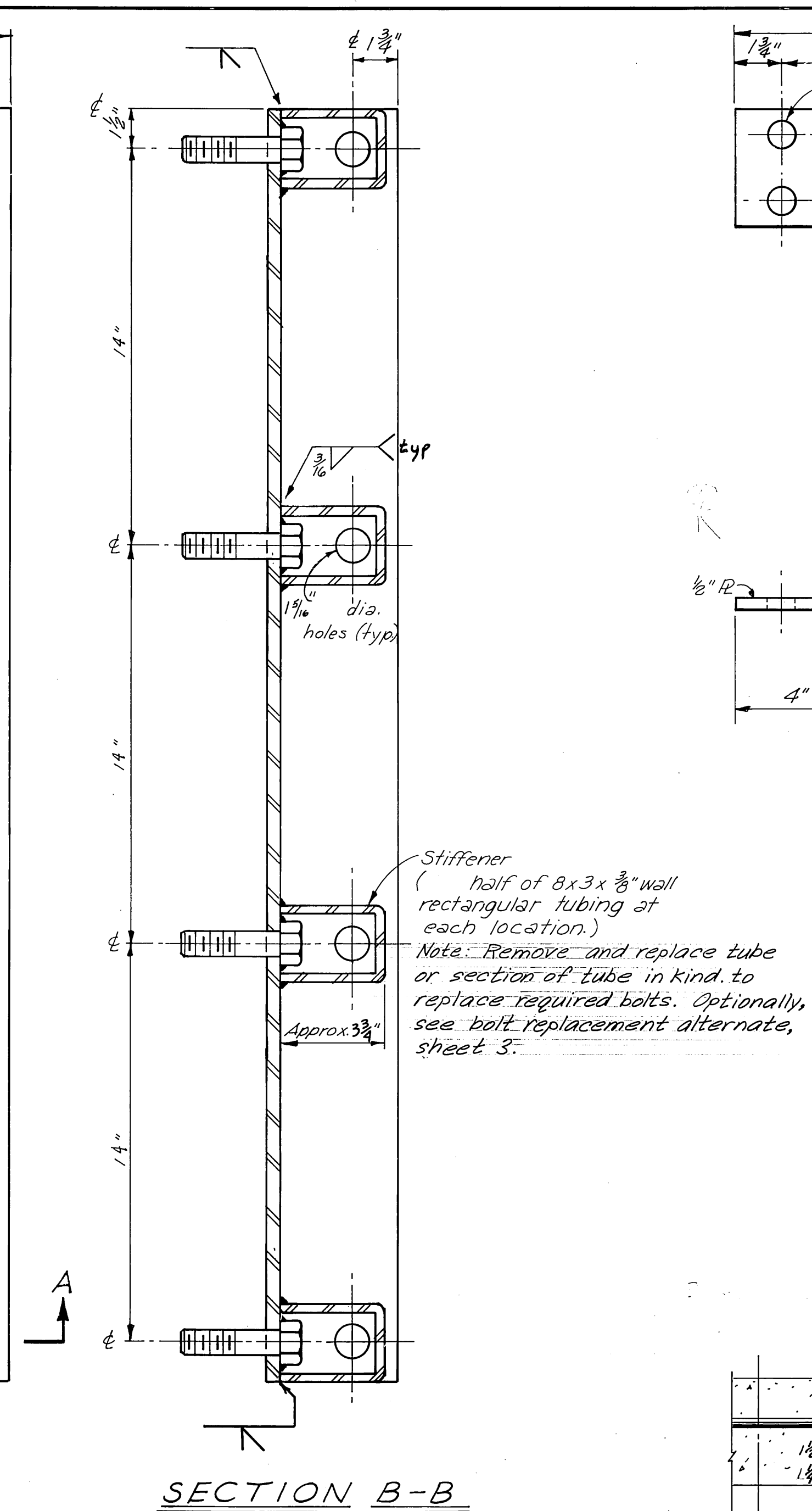
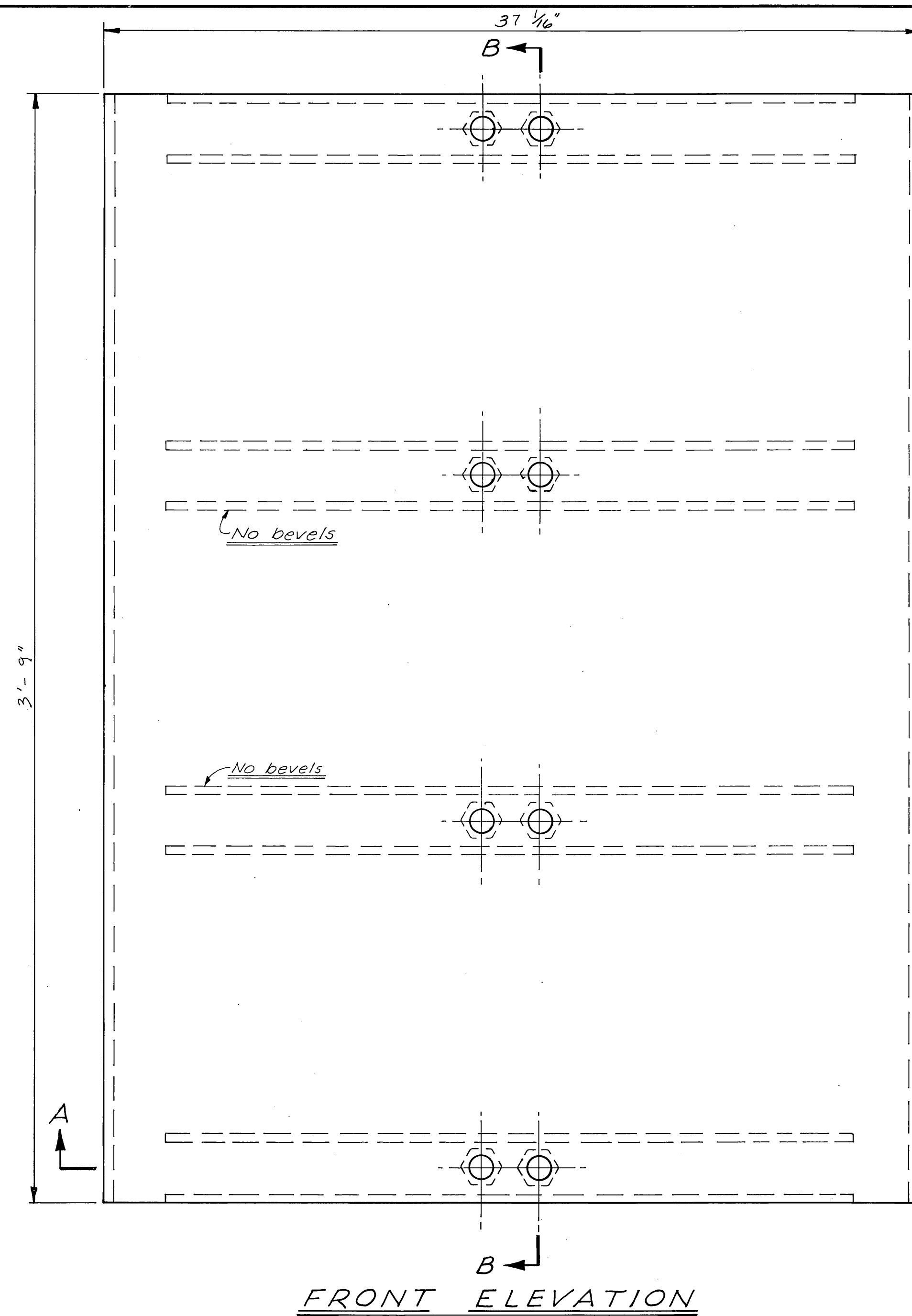
* 1 1/2" x 3" x 4 1/2" shown, others may be allowed.
Total thickness shall be 1 1/2".



BOLT REPLACEMENT ALT.

12" = 1'-0"

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION	
		Sitka Alaska	
		BREAKWATER CONNECTION DETAIL	
		SCALE <i>As Noted</i>	SURVEYED
DESIGNED <i>RB</i>	DRAWN <i>LVB</i>		
CHECKED	DATE <i>10/83</i>		
PROJECT NUMBER <i>K 32132</i>		SHEET <i>3</i> OF <i>4</i>	

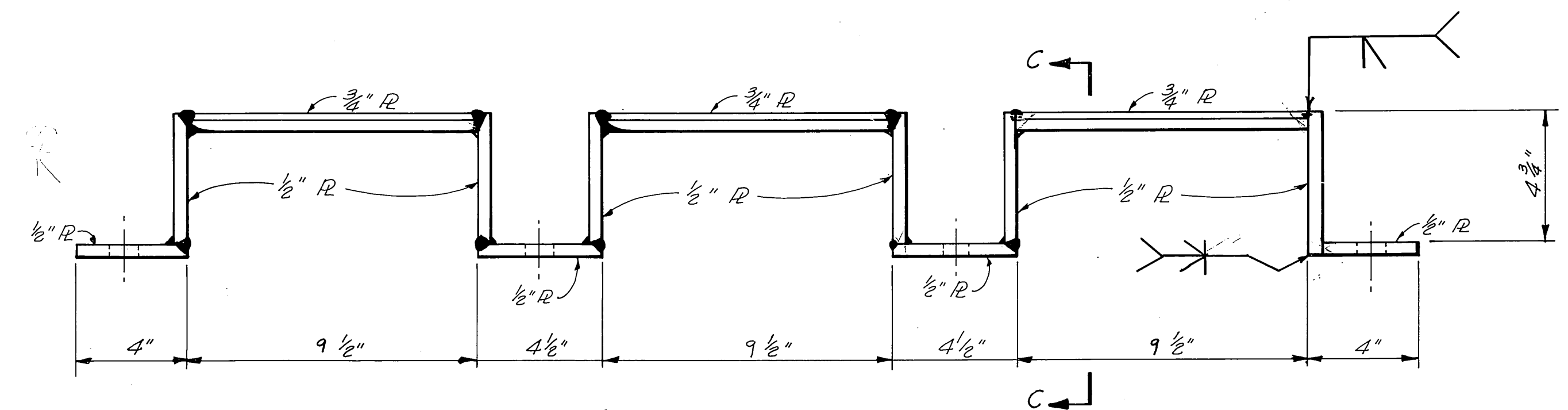
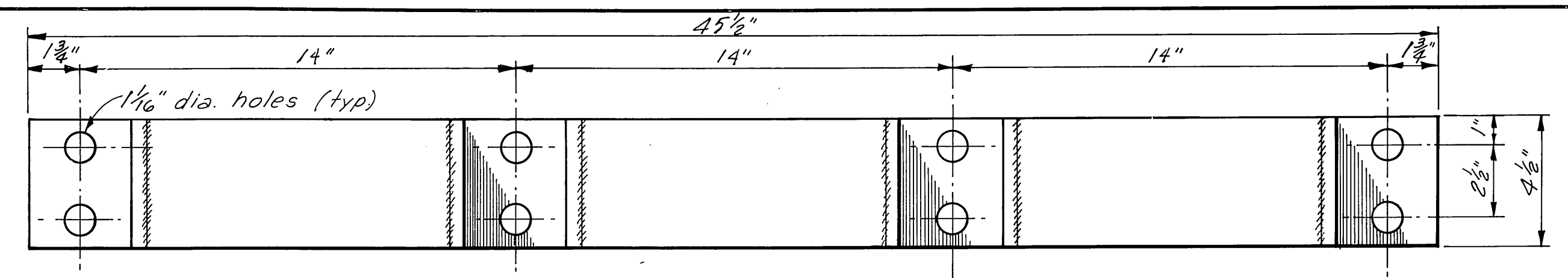


SECTION A-A

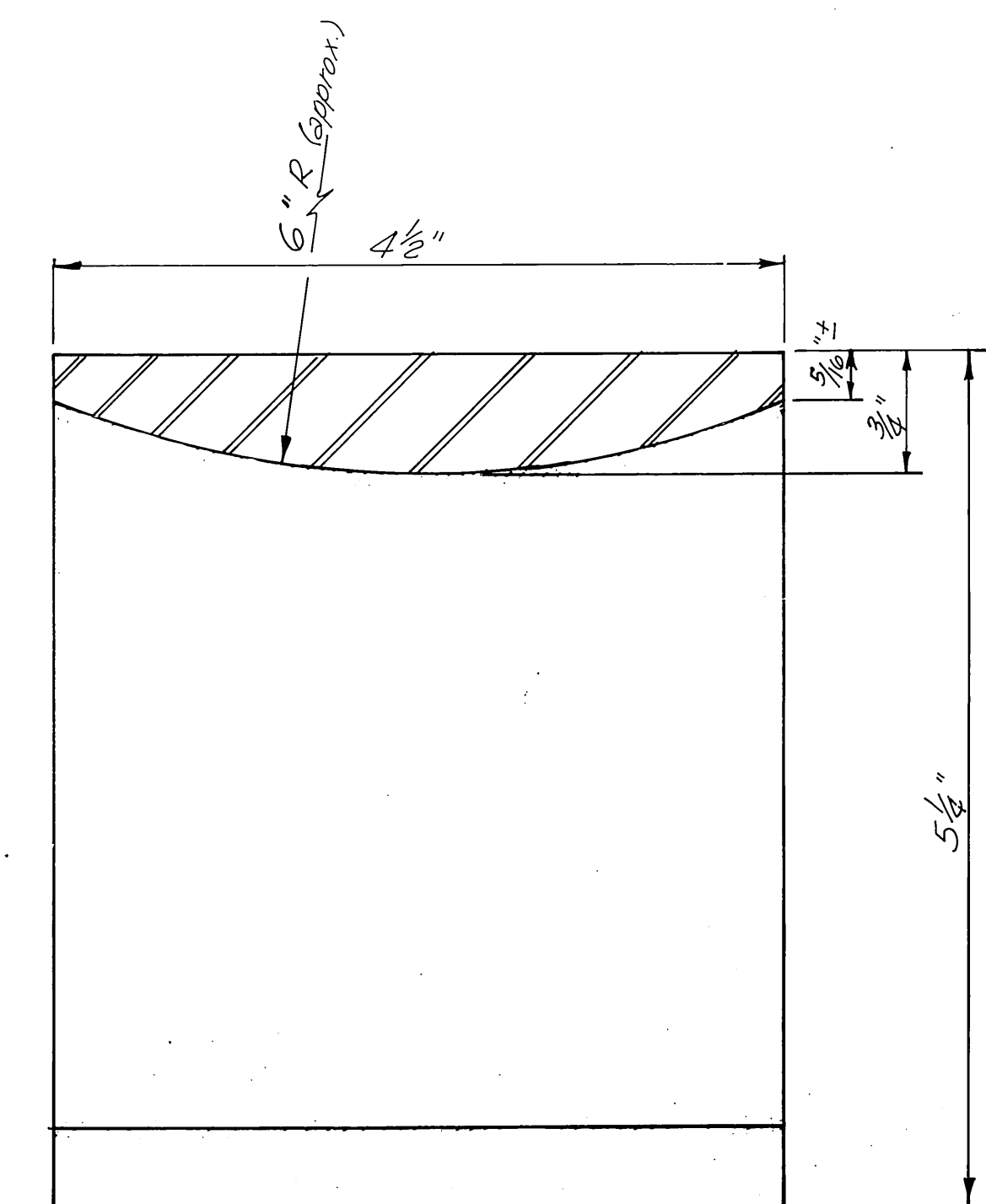
EXISTING

CHANNEL WELDMENT DETAIL

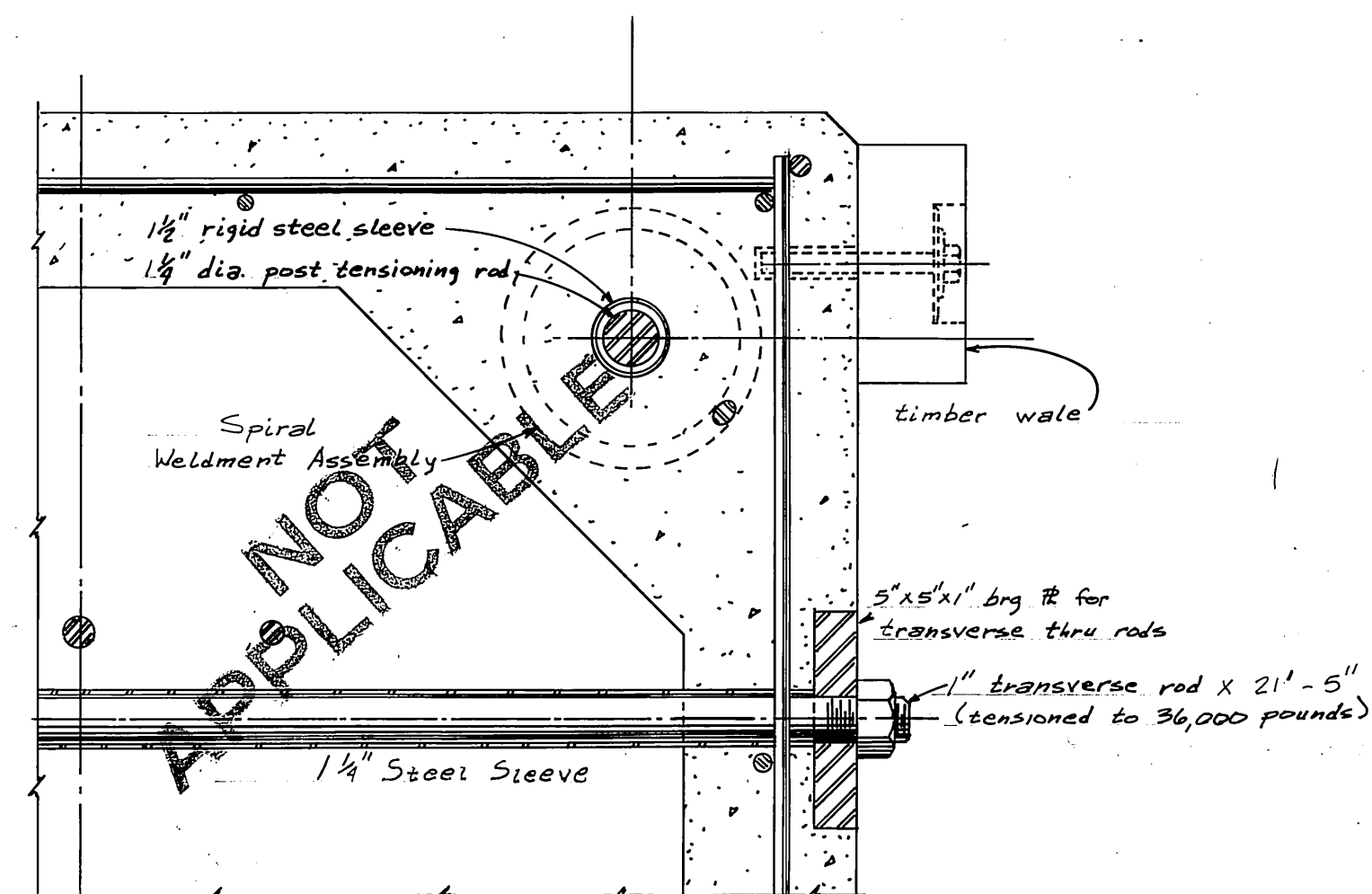
3" = 1' - 0"



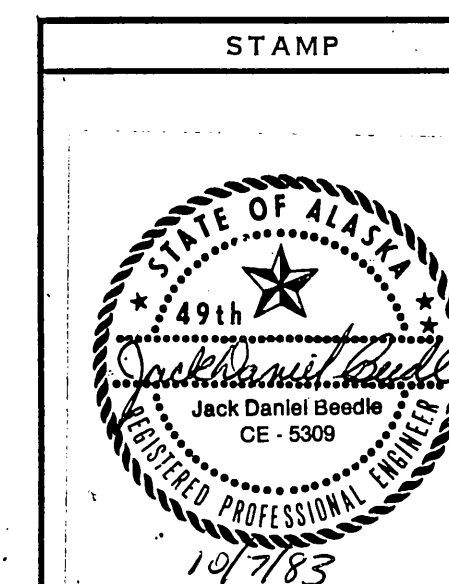
EXISTING & REPLACEMENT
FENDER BRACKET
3" = 1'-0"
(. B Req'd)



SECTION C-C
12"=1'-0"
(TYPICAL FOR ALL BRACKETS)



Composite Sectional Detail
Typical Breakwater Module



DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION		
<i>Weldment, Bracket & Misc. Details</i>		
SCALES <i>As Shown</i> DESIGNED <i>CB</i> CHECKED _____	SURVEYED _____ DRAWN _____ DATE _____	APPROVED _____ _____ _____
PROJECT <i>K - 32132</i>	SHEET <i>4</i> OF <i>4</i>	