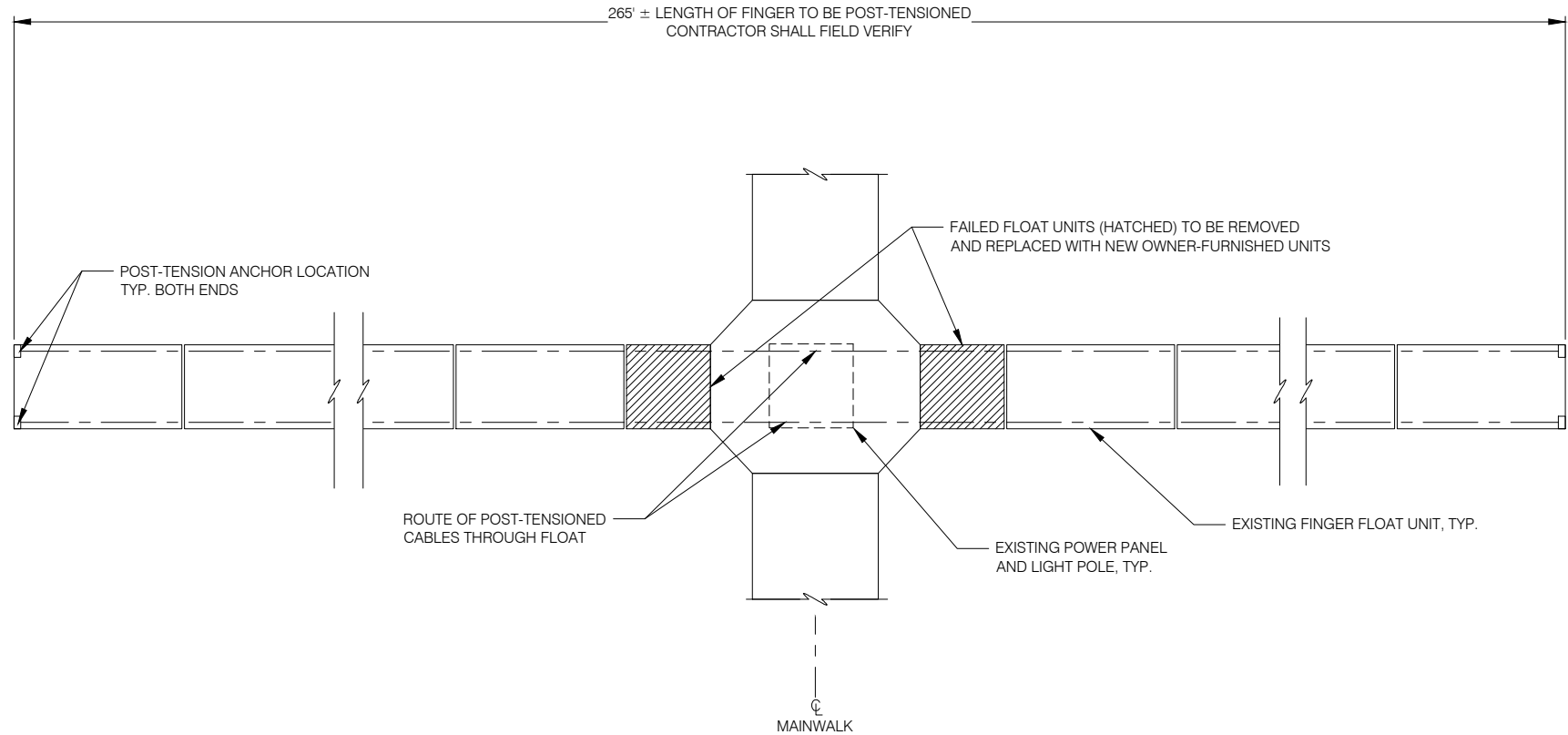


STATTER HARBOR D FLOAT REPAIRS

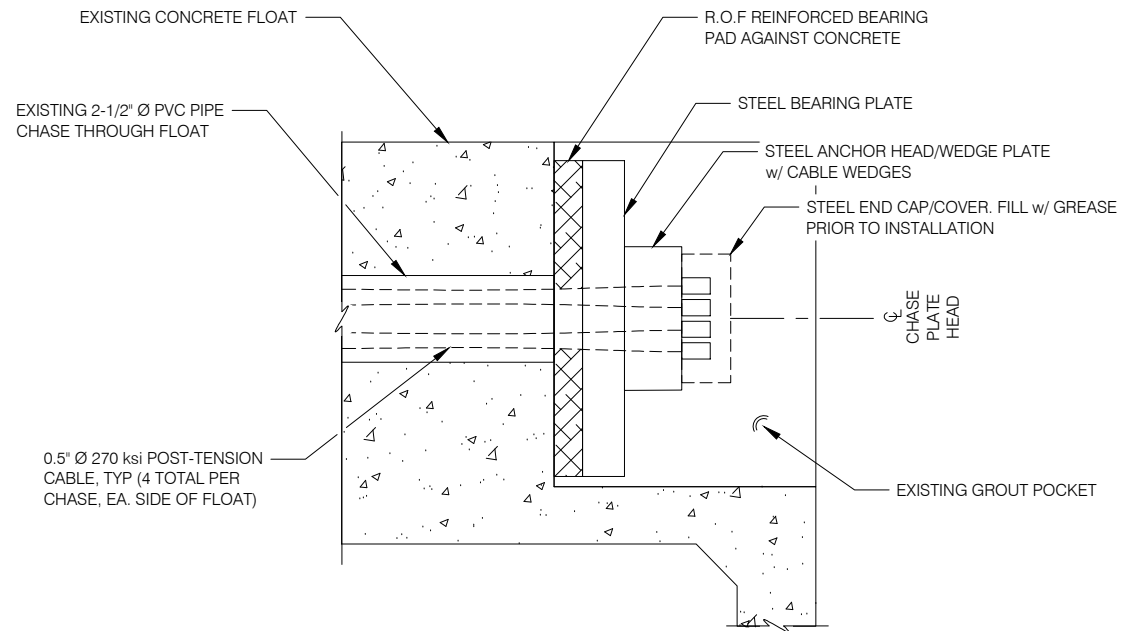
VOLUME II of II

Contract No. DH22-024





FINGER FLOAT UNIT PLAN



POST-TENSION END/ANCHOR DETAIL

SUMMARY OF WORK:

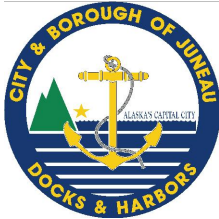
THE WORK GENERALLY CONSISTS OF THE DEMOLITION AND SALVAGE OF TWO DAMAGED FINGER FLOATS ON D FLOAT AT STATTER HARBOR. THE CONTRACTOR WILL DE-TENSION AND DISCONNECT THE EXISTING, DAMAGED FINGER FLOAT, INSTALL TWO NEW OWNER-FURNISHED CONCRETE FLOAT MODULES, FURNISH AND INSTALL NEW POST-TENSIONING CABLES, INCLUDING ALL REQUIRED HARDWARE. THE CONTRACTOR WILL ADDITIONALLY INSTALL NEW PRESSURE-TREATED TIMBER WALERS AND BULLRAILS ON THE NEW FLOAT MODULES, INCLUDING ALL REQUIRED HARDWARE. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A PLAN FOR DE-TENSIONING THE EXISTING CABLES, AND RE-TENSIONING NEW CABLES WHICH HAS BEEN PREPARED BY AN EXPERIENCED POST-TENSION CABLE CONSULTANT.

SEQUENCING PLAN:

1. SECURE EXISTING FLOAT UNITS TOGETHER BY MEANS/METHODS THAT SHALL ALLOW THE FLOAT POSITION AND ALIGNMENT TO BE MAINTAINED THROUGHOUT THE REPAIR OPERATIONS. THE CONTRACTOR SHALL SECURE THE FLOATS UNITS TOGETHER SUCH THAT THE POST-TENSION TUBES WITHIN THE FLOAT ARE IN HORIZONTAL AND VERTICAL ALIGNMENT WITH ONE ANOTHER PRIOR TO THE INSTALLATION OF THE NEW POST-TENSIONING CABLES. THE CONTRACTOR MAY RELOCATE EACH FINGER FLOAT AS NEEDED TO RE-ASSEMBLE THE FINGER FLOAT, HOWEVER, THE FLOAT UNITS WITHIN THAT FINGER SHALL REMAIN CONNECTED TOGETHER.
2. REMOVE BULLRAILS AT BOTH ENDS OF FINGER FLOATS AND REMOVE GROUT AT CABLE ENDS TO EXPOSE AND ACCESS ALL CABLE END COMPONENTS. CARE SHALL BE TAKEN WHEN REMOVING GROUT TO MINIMIZE DAMAGE TO THE SURROUNDING CONCRETE.
3. DE-TENSION EXISTING POST-TENSIONED CABLES BY DEMOLITION OF AN EXISTING, FAILED FLOAT UNIT TO ALLOW THE CABLES TO RELAX WITHOUT AN ENERGIZED REACTION. ALL EXISTING RUBBER BEARING PADS BETWEEN THE FLOAT UNITS SHALL BE SECURED TO MAINTAIN POSITION AND PREVENT THEIR LOSS.
4. REMOVE EXISTING POST-TENSIONED CABLES AND REMOVE EXISTING FLOAT UNITS IDENTIFIED ON THE FLOAT PLAN.
5. INSERT NEW FLOAT UNITS; BALLAST FLOAT UNITS AS REQUIRED SO THAT NEW UNITS ARE IN ALIGNMENT WITH EXISTING FLOAT UNITS. SECURE NEW FLOAT UNITS TO ADJACENT FLOAT UNITS TO PREVENT SEPARATION OR MISALIGNMENT PRIOR TO THE INSTALLATION OF THE NEW POST-TENSIONED CABLES.
6. RUN NEW POST-TENSION CABLES THROUGH FLOAT SYSTEM. VERIFY ALIGNMENT OF ALL FLOAT MODULES PRIOR TO TENSIONING CABLES.
7. INSTALL NEW POST-TENSIONING HARDWARE AND TENSION CABLES TO SPECIFIED LOAD. COORDINATE w/ ENGINEER FOR CABLE LOAD REQUIREMENTS.
8. RE-GROUT TENSION POCKETS. UTILIZE APPROVED BONDING AGENT TO BOND GROUT TO EXISTING CONCRETE POCKET. SUBMIT GROUT INSTALLATION PROCEDURE TO ENGINEER FOR APPROVAL. REINSTALL BULLRAILS AFTER GROUT HAS CURED.

GENERAL NOTES:

1. EXISTING CONCRETE FLOAT SYSTEM CONSISTS OF POST-TENSIONED CONCRETE FLOAT UNITS. REFERENCE AKDOT "AUIKE BAY TRANSIENT FACILITY REBID" AS-BUILT DRAWINGS, DATED 11-04-86, FOR EXISTING FLOAT DETAILS.
2. CONTRACTOR SHALL CONSULT AND COORDINATE w/ PT CONSULTANT TECH SERVICES TO FORMULATE BOTH THE DE-TENSIONING AND TENSIONING PROCEDURES TO ENSURE SAFETY AND STRUCTURAL COMPETENCY.
3. CONTRACTOR SHALL CONSULT AND COORDINATE w/ PT CONSULTANT TECH SERVICES TO ENSURE ALL COMPONENTS ARE SIZED ADEQUATELY, ARE COMPATIBLE, AND ARE INSTALLED CORRECTLY.
4. ALL NEW HARDWARE, INCLUDING BEARING PLATE, ANCHOR HEAD, WEDGES AND END CAP COMPONENTS SHALL BE HOT-DIP GALVANIZED.
5. POST-TENSIONED CABLES ON EACH SIDE OF THE FLOAT SHALL BE TENSIONED SIMULTANEOUSLY TO AVOID ECCENTRIC LOADING OF THE FLOAT SYSTEM. EACH SIDE OF THE FLOAT (I.E. (4) CABLE GROUP) SHALL BE TENSIONED TO LOAD OF 115,700 POUNDS (28,925 LBS PER CABLE).
6. NEW POST-TENSIONING CABLES SHALL BE 0.5" DIAMETER, 270 ksi CABLES. CABLES SHALL BE UN-BONDED ENCAPSULATED TYPE w/ HIGH-QUALITY CORROSION-INHIBITING GREASE AND HDPE JACKET/SHEATHING AS MANUFACTURED BY "AMSYSCO" OR APPROVED EQUAL.
7. SUBMIT ALL PROPOSED POST-TENSIONING COMPONENTS AND MEANS/METHODS FOR ENGINEER REVIEW PRIOR TO ORDERING MATERIALS AND/OR EQUIPMENT.



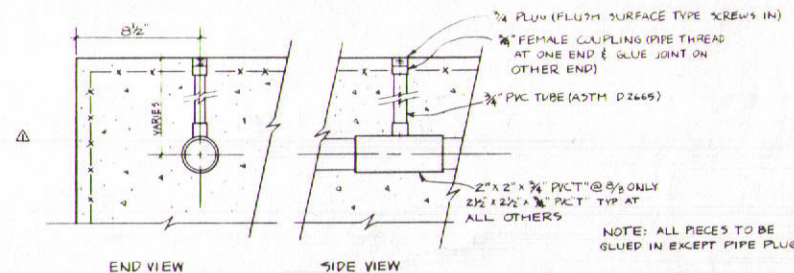
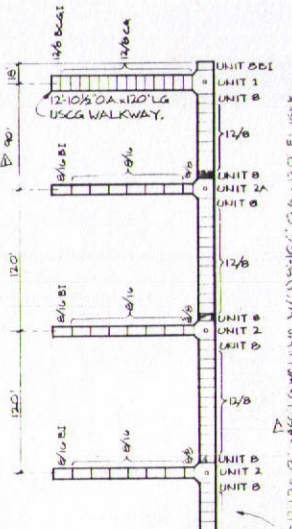
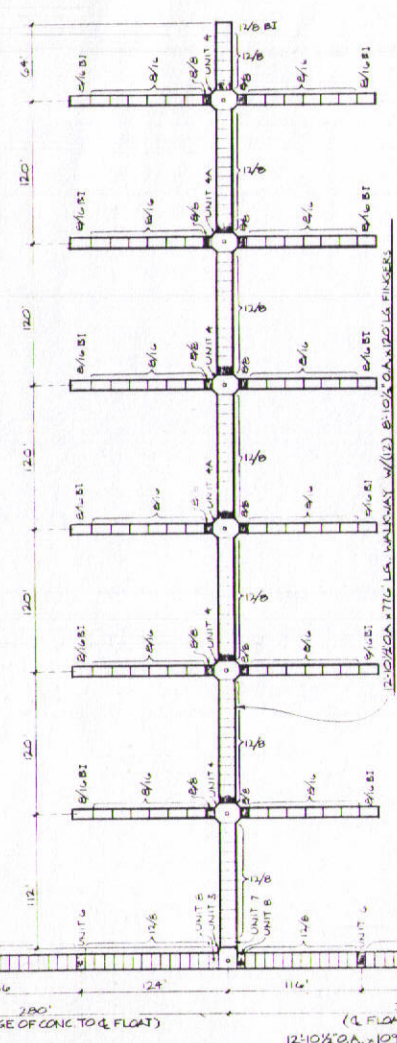
REVISIONS					
REV	DATE	DESCRIPTION	DWN	CHK	APP

CITY AND BOROUGH OF JUNEAU
DOCKS & HARBORS DEPT.
155 SOUTH SEWARD STREET
JUNEAU, ALASKA 99801
PHONE: 907-586-0292

REPAIR SEQUENCING PLAN, NOTES AND
DETAILS

STATTER HARBOR D FLOAT REPAIRS

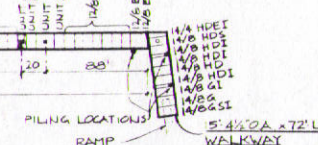
DESIGN:	MS	DATE:	JANUARY 28, 2021
CHECKED:	ES	CONTRACT NO.	DH22-024
APPROVED:	CU	FILE NO.	1537

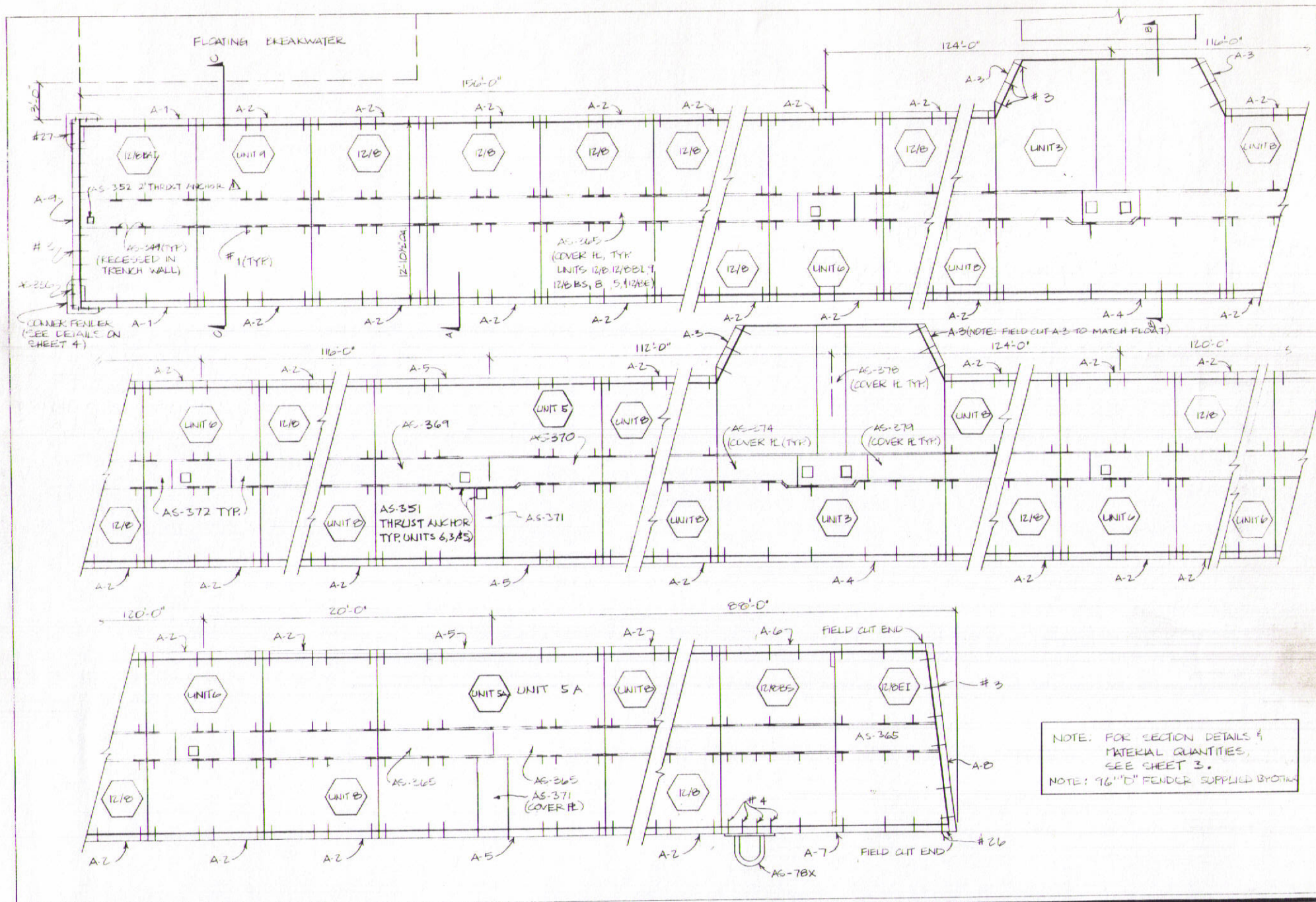


FLOATS W/GREASE VENTS	QUANT.	MATERIALS FOR GREASE VENTS
5/B	12	24 2"x2"x3/4" PVC T
12/B	6	36 2"x2"x3/4" PVC T
UNIT 5	1	2 3/4" PVC TUBE 20'-0" LENGTHS
UNIT 6	5	62 3/4" FEMALE COUPLING PIPE THREAD ONE END GLUE JOINT ON OTHER END
UNIT 8	5	62 3/4" PLUG-FLUSH SURFACE TYPE
TOTAL	29	

NOTE: SHADED FLOATS HAVE GREASE VENTS

AUKE BAY MOORING FLOATS GENERAL LAYOUT
SCALE: 1" = 50'-0"





NOTE: FOR SECTION DETAILS &
MATERIAL QUANTITIES,
SEE SHEET 3.
NOTE: 76" D FENDER SUPPLIED BY OTHER

Bellingham Marine Industries
Division of Builders Concrete, Inc.

This drawing contains proprietary information which is the property of Builders Concrete, Inc. and shall not be copied, reproduced or made available to third parties without prior written permission from Builders Concrete, Inc. UNIFLOAT is a registered trademark of Builders Concrete, Inc.

Revision: By: Date:

1. MOVE THRUST ANCHOR: MGO-373/2

Catalog No.:

Page No.:

AIKE BAY
JUNEAU, ALASKA

12'-10 1/2" x 10'-9 1/2" LG. MAIN WALKWAY

JOB NO: 02-1080

Drawn by: FR.

Checked by:

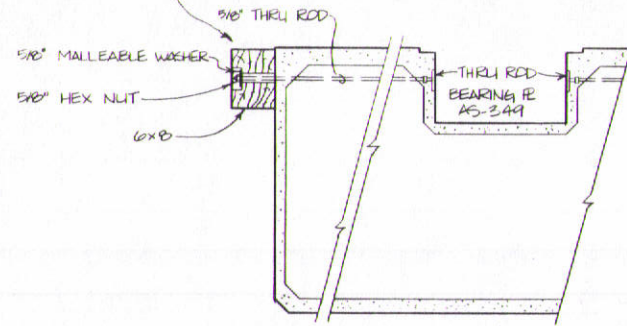
Scale: 1/4" = 1'-0"

Date:

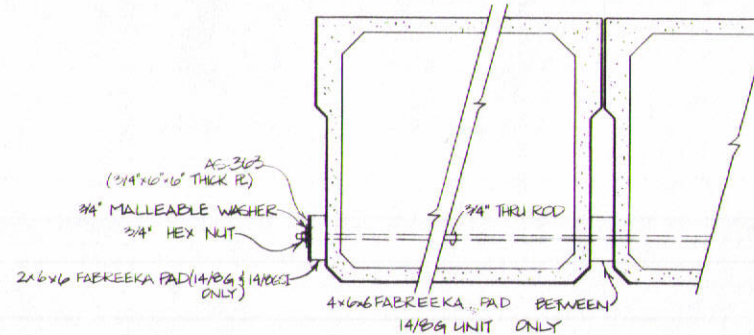
Sheet: 2 of 55

Drawing No: BC 82-319

TIE DOWN RAIL SUPPLIED BY OTHER

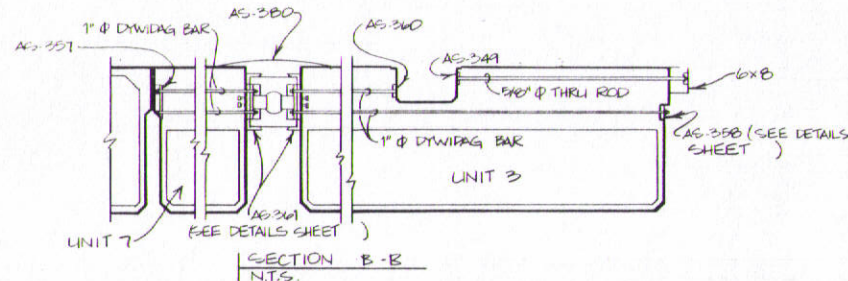


SECTION A
SCALE: 1"=1'-0"

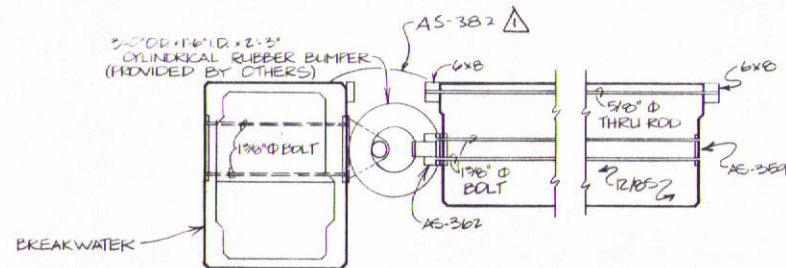


THRU ROD CONNECTION @ GANGWAY
SCALE: 1"=1'-0"

CONNECTION DETAILS



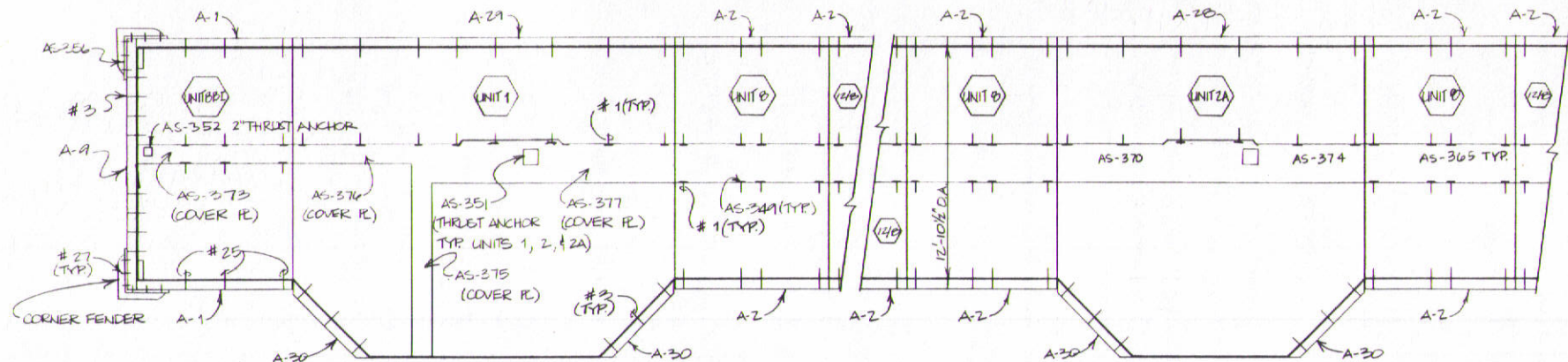
SECTION B-B
N.T.S.



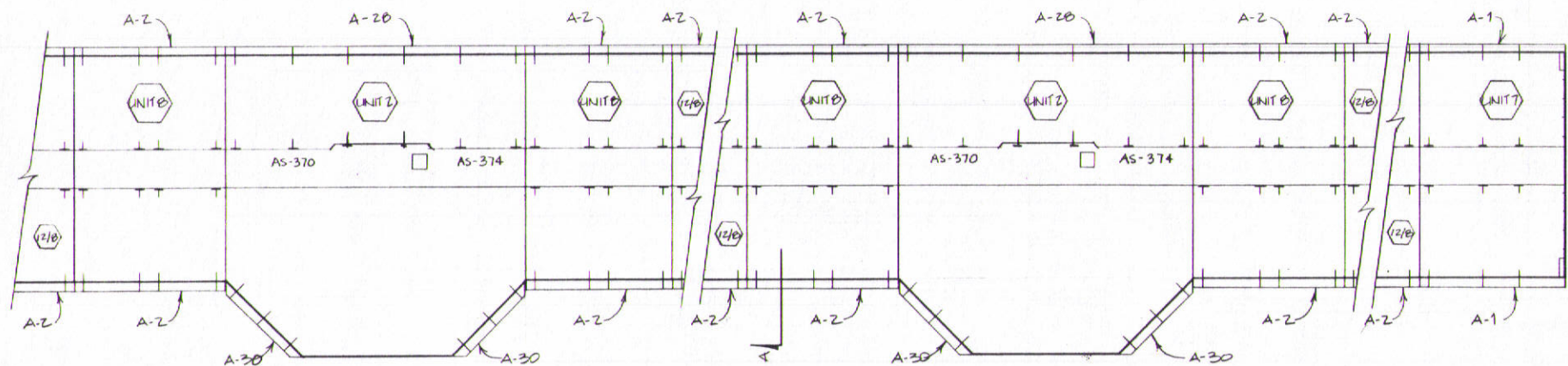
SECTION C-C
N.T.S.

MATERIAL LIST FOR 12'-10 1/2\"/>

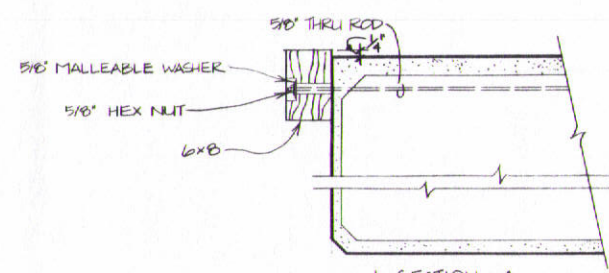
RODS ~ NUTS ~ BOLTS			FLOATS			WOOD		
NO.	DESCRIPTION	REQ'D	TYPE	DESCRIPTION	REQ'D	DESCRIPTION		REQ'D
1	5/8" x 5'-0" LG ROD	1062	1288E	11'-1 1/2" x 7'-1 1/2" x 40"	1	A-1		2
3	3/4" x 6" LG MACH/BOLT	246	UNITA	7'-1 1/2" x 11'-1 1/2" x 40"	1	A-2		250
4	5/8" x 5'-0" LG ROD	4	1288	11'-1 1/2" x 7'-1 1/2" x 40"	112	A-3		4
	5/8" HEX NUT	2134	6	7'-1 1/2" x 11'-1 1/2" x 40"	5	A-4		2
	5/8" MALLEABLE WASH.	1064	8	7'-1 1/2" x 11'-1 1/2" x 40"	8	A-5		4
	3/4" MALLEABLE WASH.	26	3	8'-1 1/2" x 15'-1 1/2" x 64"	2	A-6		1
	3/8" CUT WASHER	1082	5	11'-1 1/2" x 15'-1 1/2" x 40"	1	A-7		1
26	5/8" x 5'-0" READY ROD	1	1288E	7'-1 1/2" x 11'-1 1/2" x 40"	1	A-8		1
27	5/8" x 4" LAG SCREW	12	1288E	7'-1 1/2" x 11'-1 1/2" x 40"	1	A-9		1
			UNITA	11'-1 1/2" x 15'-1 1/2" x 40"	1			
R-1 CORNER FENDER			4	WELDMENTS				
	3/8" x 1 1/4" SS FH. CAP SCREW	1144		TYPE	DESCRIPTION	REQ'D		
	1/4" x 1 1/2" LG SS FH.W. SCREW	4	AS-78X	SIDE MOUNTED PILE HOOP	1			
	3/8" x 4" TRAP STAPLES	16	AS-349	SINGLE ROD BEARING PL	1066			
	1/4" x 1 1/8" x 3/4" x 3/4" SS HOOK BOLT	3	AS-26E	COVER PL	127			
	1/4" HEX NUT	3	AS-374	COVER PL	2			
	1/4" CUT WASHER	3	AS-27E	COVER PL	2			
			AS-27A	COVER PL	2			
WELDMENTS			AS-371	COVER PL	2	WELDMENTS		
AS-370	COVER PL	1	AS-251	6" THRUST ANCHOR	11	AS-380	COVER PL	1
AS-372	COVER PL	10	AS-263	6" x 6" x 3/4" PL	4			
AS-369	COVER PL	1	AS-366	CORNER FENDER BRACKET	2			
AS-380	COVER PL	2	AS-382	2" THRUST ANCHOR	1			
AS-381	COVER PL	1						



12'-10 1/2" Q.A. x 460' L.G. WALKWAY
SCALE: 1/4" = 1'-0"



1096' WALKWAY



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

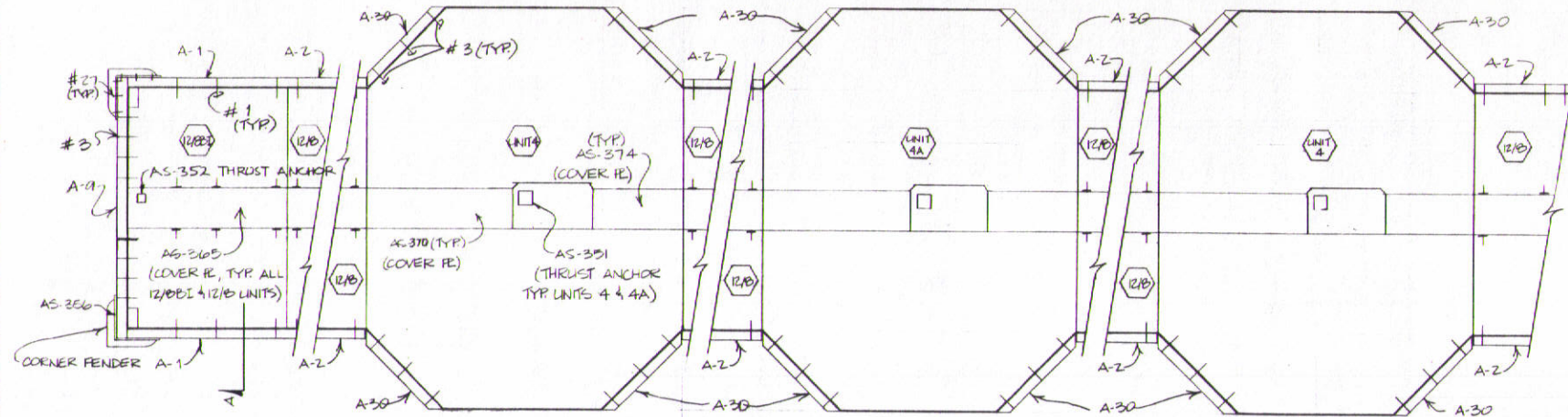
RODS - NUTS - BOLTS			
NO.	DESCRIPTION	REQ'D	
1	5/8" Φ x 5'-0" L.G. ROD	411	
3	3/4" Φ x 6" L.G. MACH. BOLT	32	
25	5/8" Φ x 6'-2" L.G. ROD	3	
	5/8" HEX NUT	828	
	5/8" MALLEABLE WASHER	414	
	3/4" MALLEABLE WASHER	32	
	5/8" CUT WASHER	426	
27	3/8" Φ x 4" LAG SCREW	12	
	3/8" x 1/4" SS FH. CAP SCREW	454	
R-1	CORNER FENDER	4	

FLATS			
TYPE	DESCRIPTION	REQ'D	
UNIT 001	11'-11 1/2" x 7'-11 1/2" x 40"	1	
UNIT 1	11'-11 1/2" x 14'-11 1/2" x 64"	1	
12/B	11'-11 1/2" x 7'-11 1/2" x 40"	40	
UNIT 2A	11'-11 1/2" x 15'-11 1/2" x 78"	1	
UNIT 2	11'-11 1/2" x 15'-11 1/2" x 64"	2	
UNIT 0	11'-11 1/2" x 7'-11 1/2" x 40"	7	
UNIT 7	11'-11 1/2" x 7'-11 1/2" x 40"	1	

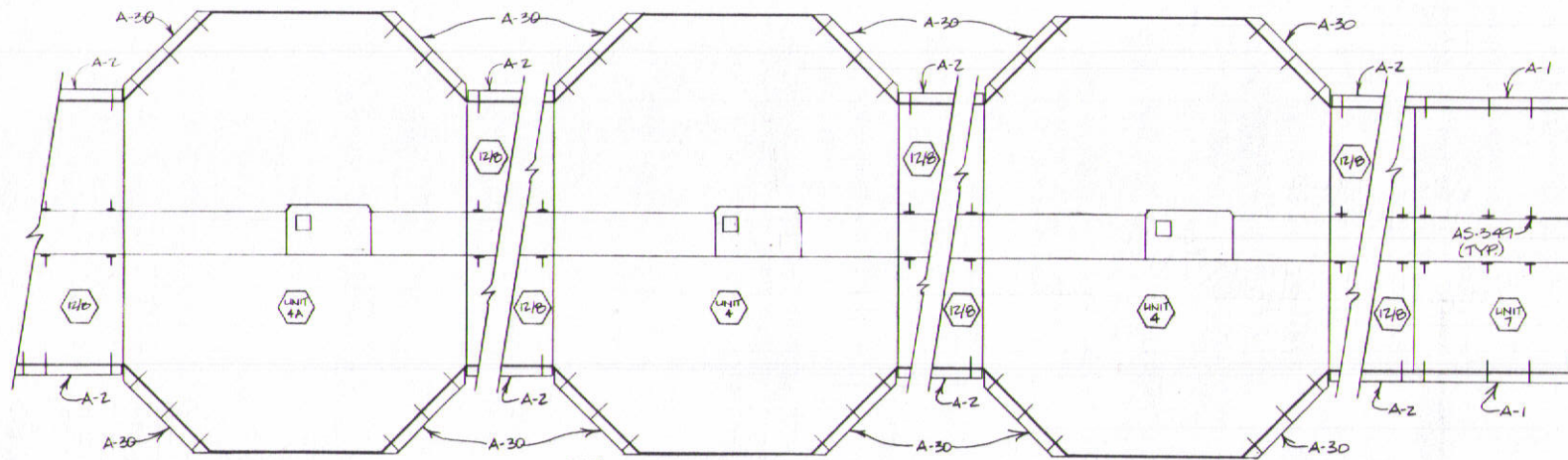
WELDMENTS			
DESCRIPTION	REQ'D	DESCRIPTION	REQ'D
AS-351 6" THRUST ANCHOR	4	AS-377 COVER PL.	1
AS-375 COVER PL.	1	AS-370 COVER PL.	4B
AS-374 COVER PL.	1	AS-376 COVER PL.	3

WELDMENTS CONT.			
AS-370 COVER PL.	3	AS-352 2" THRUST ANCHOR	1
AS-376 COVER PL.	414		
AS-373 COVER PL.	1		
AS-374 COVER PL.	2		

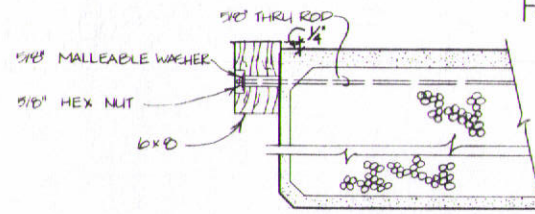
WOOD			
DESCRIPTION	REQ'D		
A-1	4		
A-2	12		
A-30	8		
A-20	3		
A-29	1		
A-9	1		



NOTE: FIELD CUT A-30 TO MATCH FLOAT



100' LG. WALKWAY



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

12'-10 1/2" O.A. x 77' LG. WALKWAY
SCALE: 1/4" = 1'-0"

RODS - NUTS - BOLTS

NO.	DESCRIPTION	REQ'D
1	5/8" ϕ x 5'-0" LG. ROD	676
2	3/4" ϕ x 6" LG. MACH. BOLT	80
	5/8" HEX NUT	1352
	5/8" MALLEABLE WASHER	676
	3/4" MALLEABLE WASHER	80
	5/8" CUT WASHER	688
27	5/8" ϕ x 4" LAG SCREW	12
	3/8" x 1/4" S.S. F.H. CAP SCREW	752
R-1	CORNER FENDER	4

FLATS

TYPE	DESCRIPTION	REQ'D
12/B	11'-11 1/2" x 7'-11 1/2" x 40'	1
12/B	11'-11 1/2" x 7'-11 1/2" x 40'	88
UNIT 4	11'-11 1/2" x 11'-11 1/2" x 64"	4
UNIT 4A	11'-11 1/2" x 11'-11 1/2" x 78"	2
UNIT 7	11'-11 1/2" x 7'-11 1/2" x 40'	1

WELDMENTS

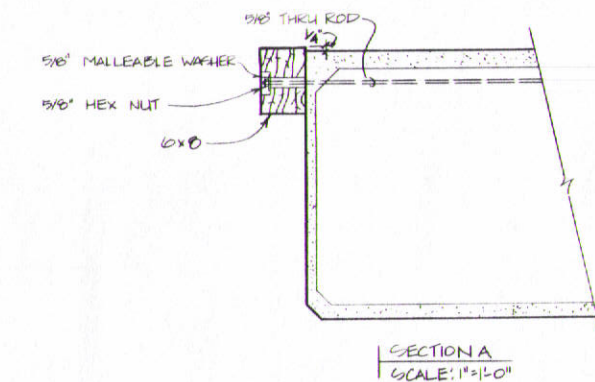
DESCRIPTION	REQ'D	DESCRIPTION	REQ'D
AS-351	6	AS-370	6
6" THRUST ANCHOR	6	COVER PL	6
AS-352	6	AS-351	6
COVER PL	6	COVER PL	6

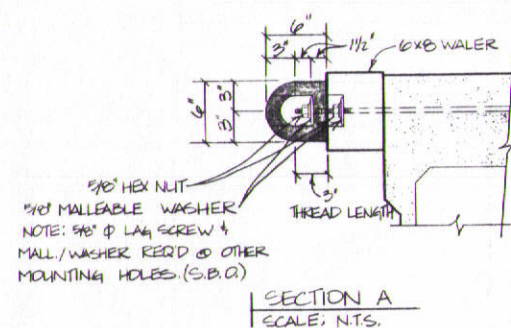
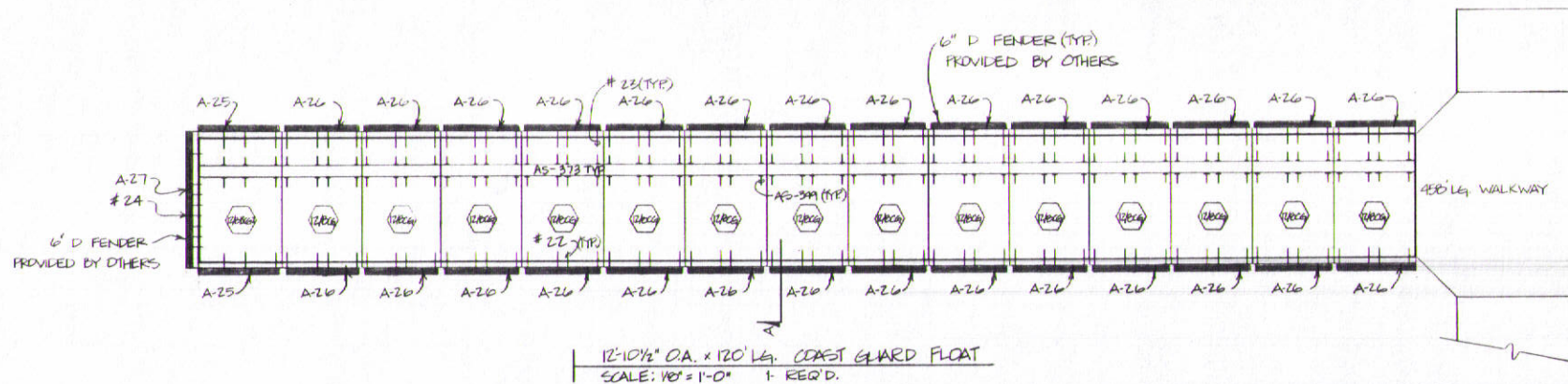
WELDMENTS CONT.

AS-349	1
AS-350	1
AS-351	1
AS-352	1
AS-353	1
AS-354	1
AS-355	1
AS-356	1
AS-357	1
AS-358	1
AS-359	1
AS-360	1
AS-361	1
AS-362	1
AS-363	1
AS-364	1
AS-365	1
AS-366	1
AS-367	1
AS-368	1
AS-369	1
AS-370	1
AS-371	1
AS-372	1
AS-373	1
AS-374	1
AS-375	1
AS-376	1
AS-377	1
AS-378	1
AS-379	1
AS-380	1
AS-381	1
AS-382	1
AS-383	1
AS-384	1
AS-385	1
AS-386	1
AS-387	1
AS-388	1
AS-389	1
AS-390	1
AS-391	1
AS-392	1
AS-393	1
AS-394	1
AS-395	1
AS-396	1
AS-397	1
AS-398	1
AS-399	1
AS-400	1

WOOD

DESCRIPTION	REQ'D
A-1	4
A-2	166
A-30	24
A-9	1

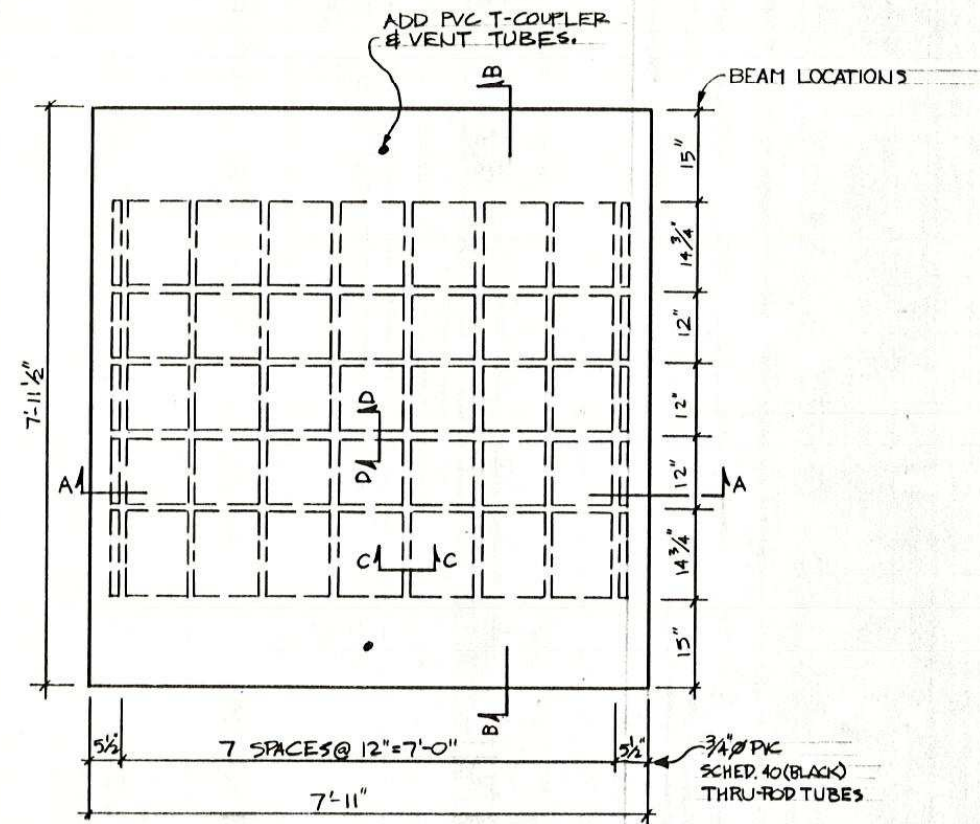
[illegible]



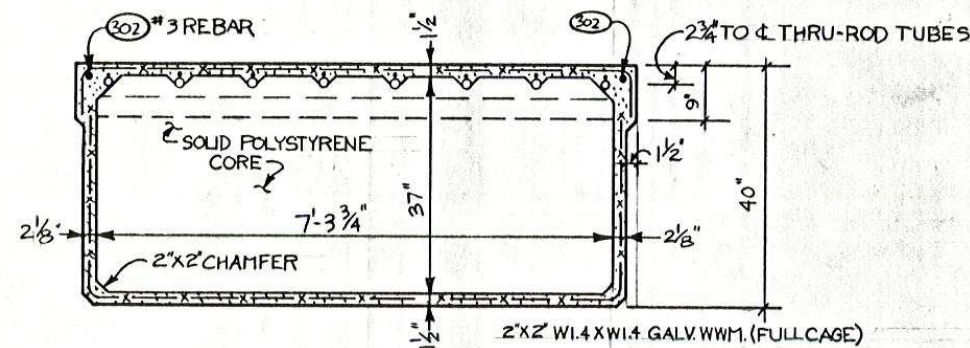
RODS - NUTS - BOLTS		
NO	DESCRIPTION	REQ'D
22	5/8" Φ x 8 1/2" Lg. ROD	59
23	5/8" Φ x 3'-4 1/4" Lg. ROD	59
24	3/4" Φ x 10" ALL THREAD ROD	8
	5/8" HEX NUT	354
	5/8" MALLEABLE WASHER	236
	3/4" MALLEABLE WASHER	16
	5/8" CLIT WASHER	118
	3/4" HEX NUT	16
	3/8" x 1 1/4" SS F.H. CAP SCREW	120
NOTE: # 22 & # 23 RODS REQUIRE 15" OF EXTRA THREAD @ ONE END		

FLOATE		
TYPE	DESCRIPTION	REQ'D
12/BECG1	11'-11 1/2" x 7'-11 1/2" x 40"	1
12/BCCG	11'-11 1/2" x 7'-11 1/2" x 40"	14
WELDMENTS		
TYPE	DESCRIPTION	REQ'D
AS-349	SINGLE ROD BEARING PL	118
AS-373	COVER PL	15

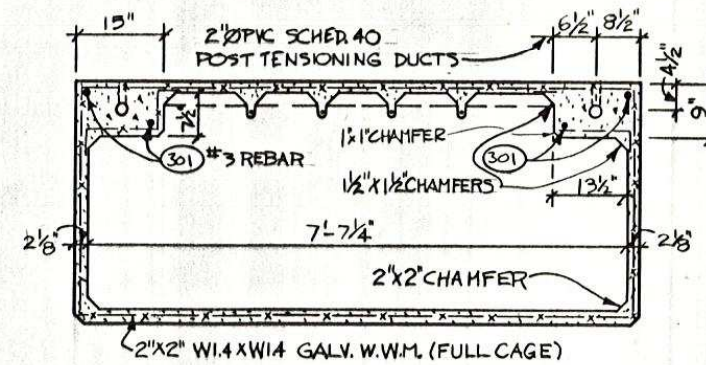
WOOD	
DESCRIPTION	REQ'D
A-25	2
A-26	28
A-27	1



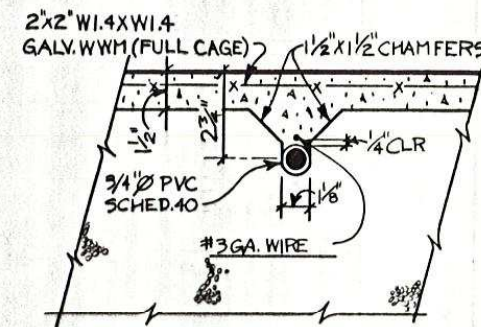
TOP VIEW
SCALE: 3/4" = 1'-0"



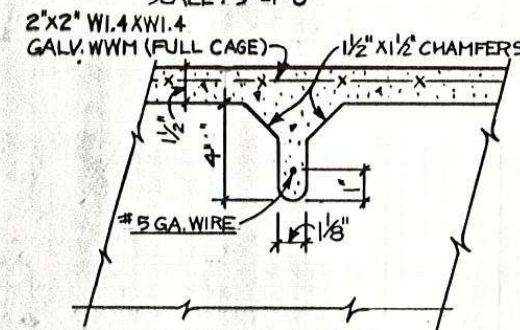
SECTION A-A
SCALE: 3/4" = 1'-0"



SECTION B-B
SCALE: 3/4" = 1'-0"



SECTION C-C
SCALE: 3/4" = 1'-0"



SECTION D-D
SCALE: 3/4" = 1'-0"

Float Type ~ NO. REQ'D ~ WT.
8/8 15 7145 #

150 # CONCRETE
47.29 CU/FT. EACH
BOM # 97000

Bellingham Marine Industries
Division of Builders Concrete, Inc.

This drawing contains proprietary information which is the property of Builders Concrete, Inc., and shall not be copied, reproduced or made available to third parties without prior written permission from Builders Concrete, Inc. UNIFLOTE is a registered trademark of Builders Concrete, Inc.

Drawn by: P.L.
Checked by:
Scale: AS NOTED
Date: 6-9-82
Sheet: 23 of 55
Drawing No: BC-82-370

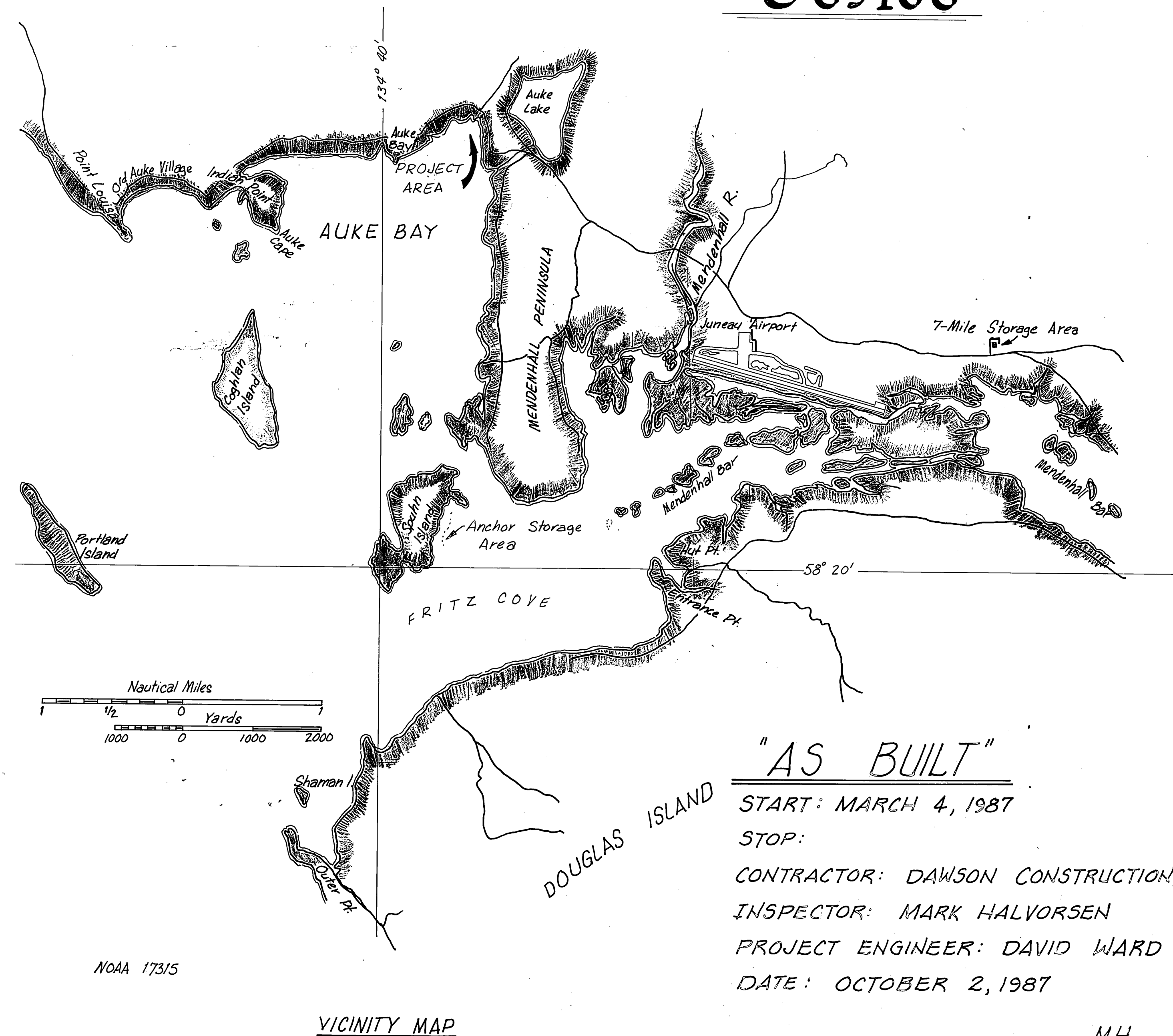
ALUKE BAY FLOATS
JUNEAU, ALASKA
8' x 8' x 40" DEEP
POST TENSIONED FLOAT
JOB NO. 82-1000/PROJECT NO. K-78180

Revised: By: Date: 6/1/82
ADD GREASE POST - 1/60 - 8/1/82
Page No.:
Cat. No.:

AUKE BAY TRANSIENT FACILITY

REBID

PROJECT NO'S. 67664 & 69016 & 69106



"AS BUILT"

START: MARCH 4, 1987

STOP:

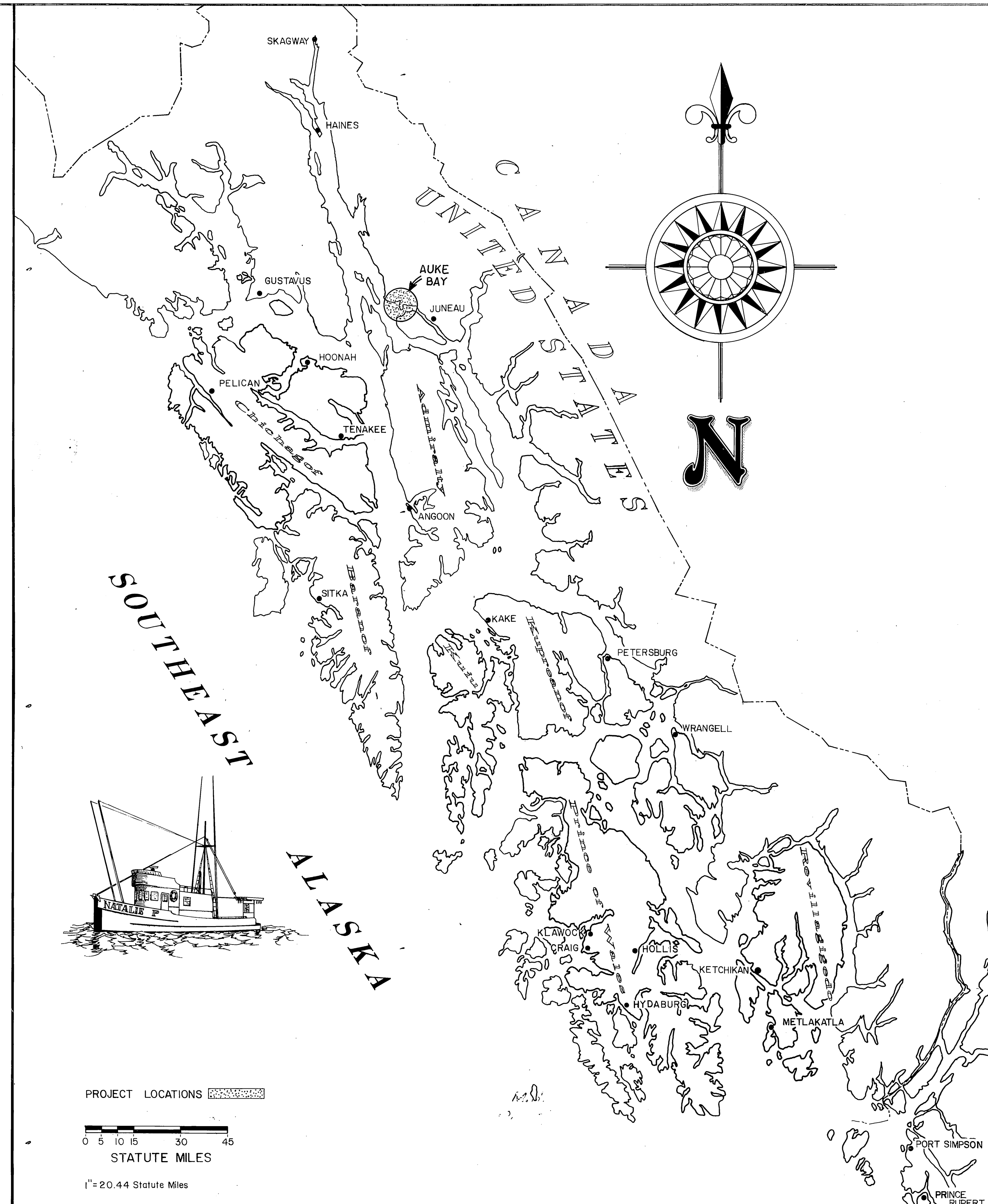
CONTRACTOR: DAWSON CONSTRUCTION, Co.

INSPECTOR: MARK HALVORSEN

PROJECT ENGINEER: DAVID WARD

DATE: OCTOBER 2, 1987

M.H.
10/2/87



STATE
OF
ALASKA

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

APPROVED

David S. D. C. 11/4/86
Director S.E. D.&C. Date

Recommend
for Approval
Steven O. Bradford 11/4/86
Group Design Chief Date

SHEET 1 of

INDEX TO SHEETS

1/2 TITLE SHEET; PROJECT LAYOUT	19 TYP. 8"x16" POST TENSIONED FLOAT UNIT	35/36 UTILITY R. LAYOUT & DETAILS; GARBAGE CONT.
3/4 FLOAT LAYOUT; EXISTING FACILITIES	20/21 INTERMEDIATE TENSIONING UNIT & MISC. DET.	37 NAVIGATION AID PLATFORM
5/6 PROFILE AT GANGWAY; CONCRETE APPROACH	22/23 SEWAGE PUMPOUT UNIT & MISC. DETAILS	38/39 ELECTRICAL DETAILS
7/8 GANGWAY DETAILS	24 UTILITIES FLOAT	40/41 MECHANICAL DETAILS
9/10 GANGWAY FLOAT; 14' WIDE FLOAT	25/26 ANCHOR WELLS & CHAIN SUPPORT; ANCHOR DET.	
11/12 FLOAT UNIT ASSEMBLY SEQUENCE	27/28 FLOAT CONN. DETAILS; BREAKWATER CONN.	
13/14 UNITS 1 & 3; UNITS 2, 2A, 4 & 4A	29/30 COVERPLATE DETAILS	
15/16 UNITS 5 & 5A; UNIT 6 & SPECIAL END UNIT	31/32 20" & 24" OVAL PILE COLLAR; BEARING PADS & FLOOR	
17/18 8"x12' FLOAT UNIT; 8"x8' FLOAT UNIT	33/34 T.D.R. & FENDERS; PUMP & UTILITIES BLDGS.	

PROJECT &
FILE NO.
AUKE BAY TRANSIENT
FACILITY REBID
PROJECT NOS.
67664, 69016
& 69106

USS 1939

AUKE

BAY

NOTES:

1. Lateral Anchors to be installed Perpendicular to & of floats at anchor units. Longitudinal Anchors to be installed along & of floats. All anchor locations to be established using actual Dimensions of Fabricated and Tensioned units and shall be approved by the engineer prior to placing anchors.
2. Dimensions shown are approximate design dimensions, and shall not be used in Anchor location.
3. Anchors 35 through 42 shall be included in Supplement B See Sheet 3

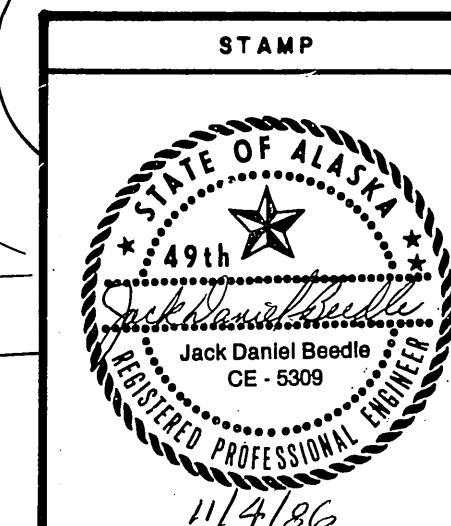
Anchors and Anchor Chains

- Existing Breakwater 1-26
- To be Installed this project, 12' x 789' Float 27-42
- To be Installed this project, 12' x 467' Float 43-52
- To be Installed this project, 12' x 1082' Float 53-56
- Existing 5000 lb. Navy Anchor 57

Tidal Datum	FEET
EHW	22.00
MHHW	15.85
MHW	14.85
MW	8.20
MLW	1.55
MLLW	0.00
ELW	-6.00

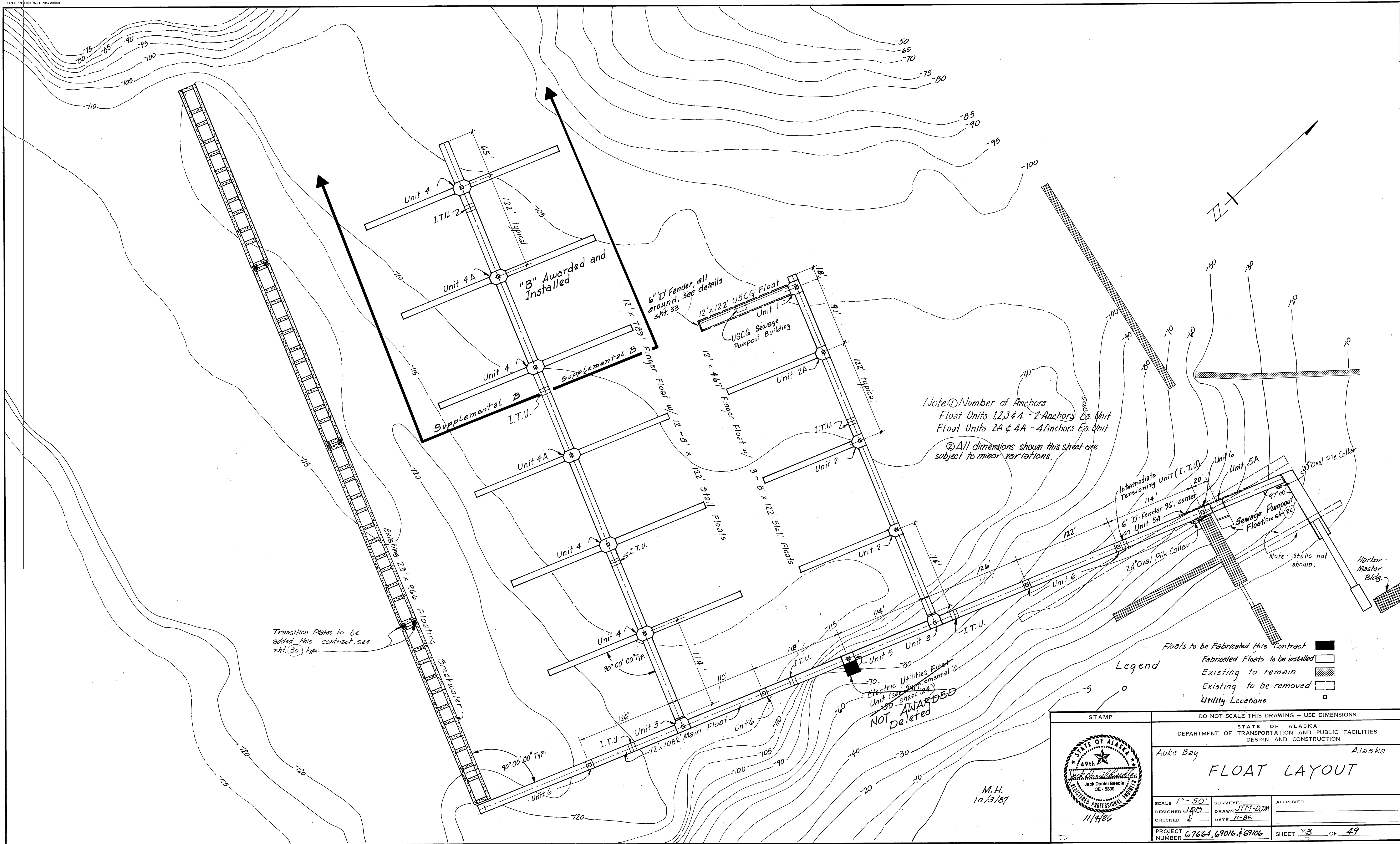
M.H.
10/2/87

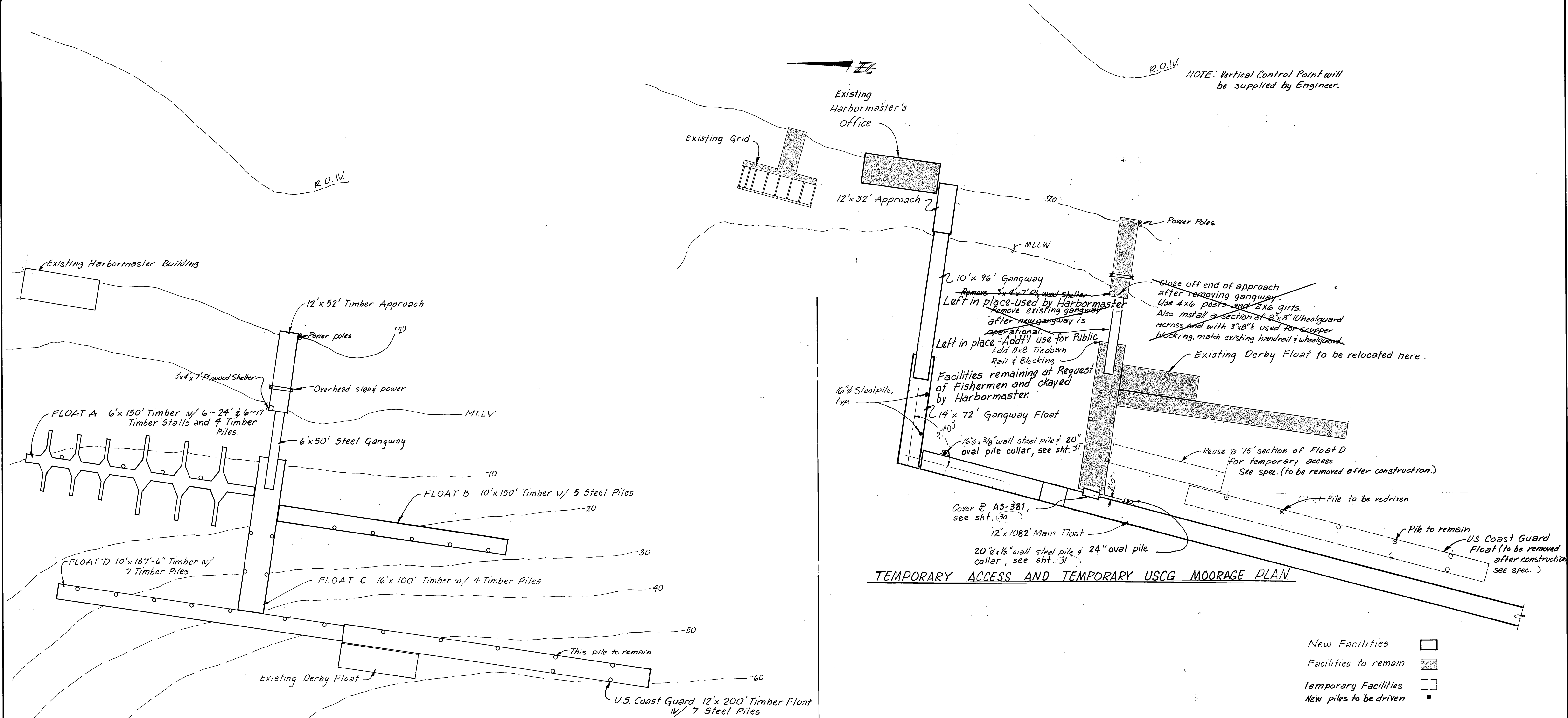
Actual Anchor locations shown on Computer layout sheet provided by David Miller, Contractor's Surveyor.



DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
STATE OF ALASKA			
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
Auke Bay		Alaska	
PROJECT LAYOUT			
DESIGNED JDB	CHECKED J	DRAWN JUM	DATE 11-85
PROJECT NUMBER 67664, 69016, 69106		SHEET 2 OF 49	

(Scale 1"=100')





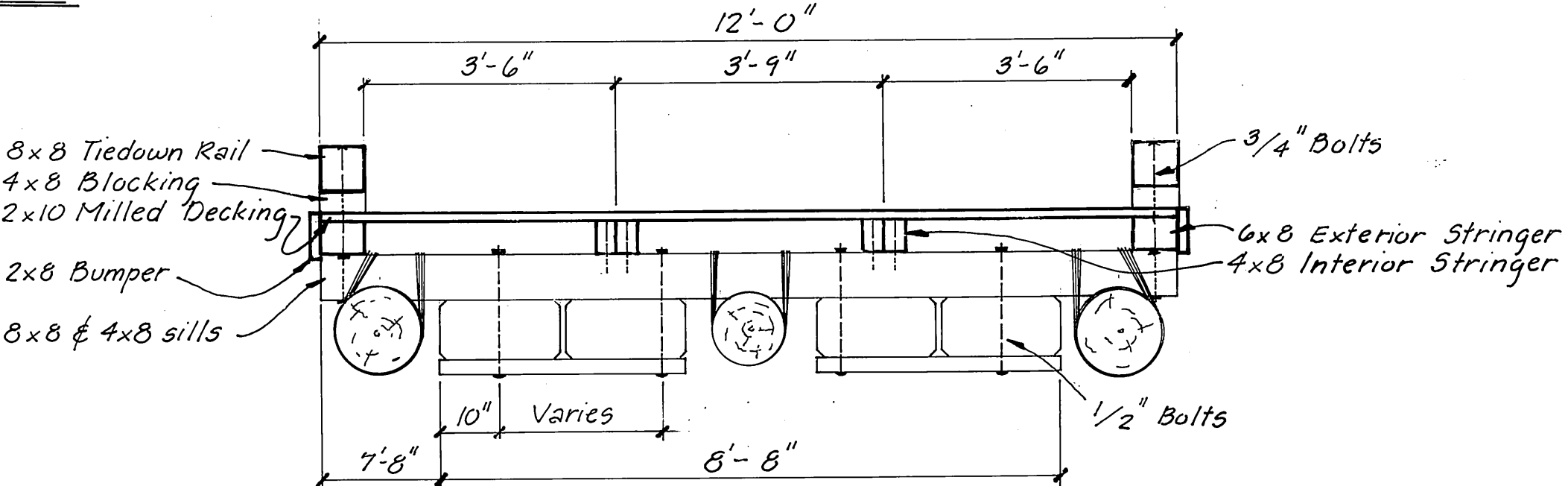
TEMPORARY ACCESS AND TEMPORARY USCG MOORAGE PLAN

- New Facilities ☐
- Facilities to remain ☒
- Temporary Facilities ☐
- New piles to be driven ☒

MODIFICATIONS TO EXISTING FACILITY

1. Float A - Remove electrical lighting and store on float, pull piles and store in water; turn float, lighting and piles over to harbormaster for removal.
2. Float B - To remain - Temporary Lighting wire left on pile tops for temporary use, if needed.
3. Float C - To remain, however, modify end of float to be parallel with new float. Furnish and install cover plate and add 16' section of tiedown rail to gangway end of float. Dap ends into existing tiedown rail and install blocking.
4. Float D - Remove lighting, piles and float, use 10'x75' section of float D for temporary access to the USCG float. Turn float, lighting and piles over to harbormaster.
5. Relocate existing Derby float as shown, on this sheet.
6. USCG float - Pull all but 1 pile (as shown), relocate float out of way of main float and redrive one pile, (see detail this sheet). Temporarily store piles in area shown on sheet 2.
7. Remove existing gangway and guide rails. Transport gangway to timber storage area. See View Above Right. Install an 8x8 wheelguard at the scupper blocks and a railing across end of approach, remove plywood shelter.
8. All dimensions shown on this sheet are subject to minor variations.

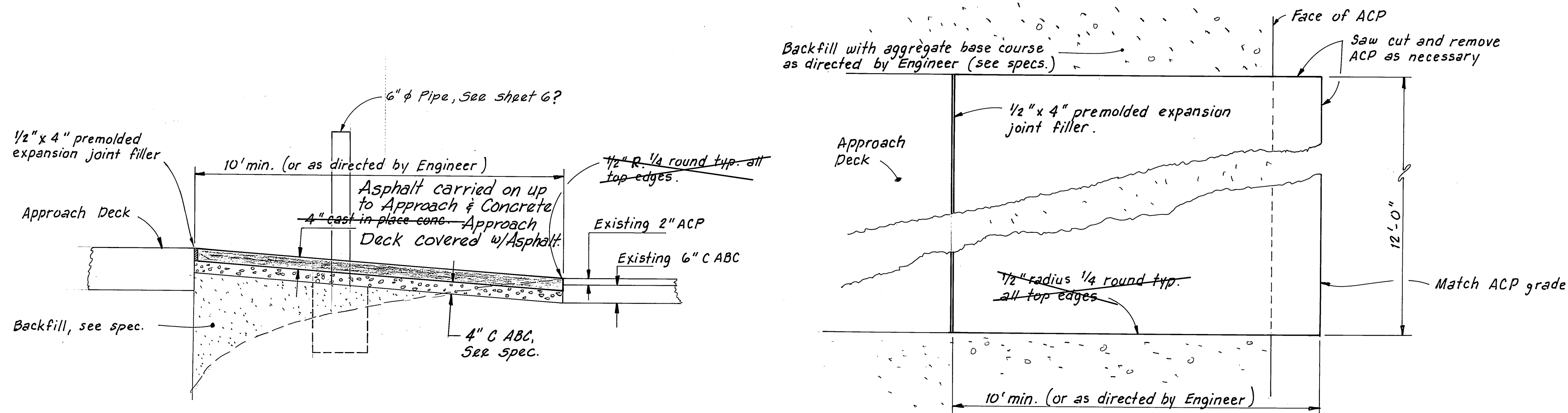
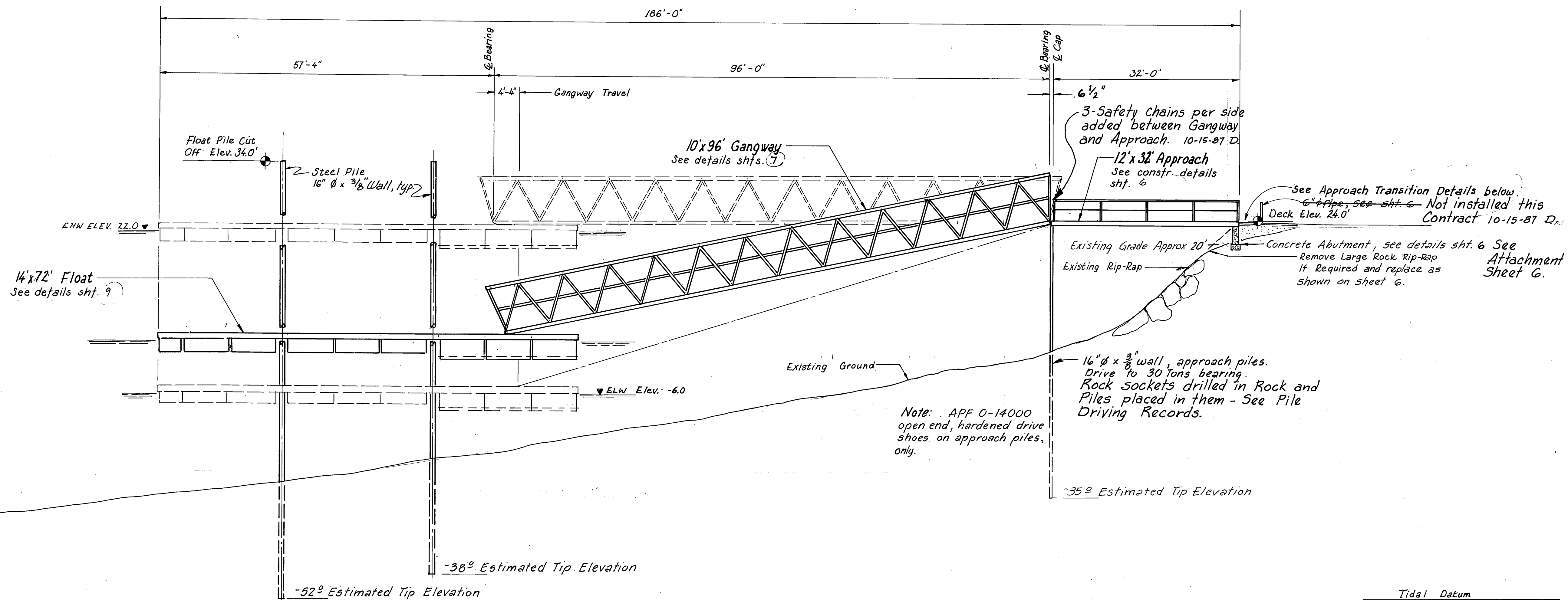
EXISTING FACILITIES PLAN



SECTION: EXISTING USCG FLOAT
1/2" = 1'-0"

M.H.
10/3/87

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DESIGN AND CONSTRUCTION	
		Auke Bay Alaska	
MODIFICATIONS TO EXISTING FACILITIES			
SCALE 1" = 30'	SURVEYED	APPROVED	
DESIGNED	DRAWN JTM-DM		
CHECKED JB	DATE Jan 86		
PROJECT NUMBER 67664, 69016, 69106		SHEET 4 OF 49	



ELEVATION

PLAN

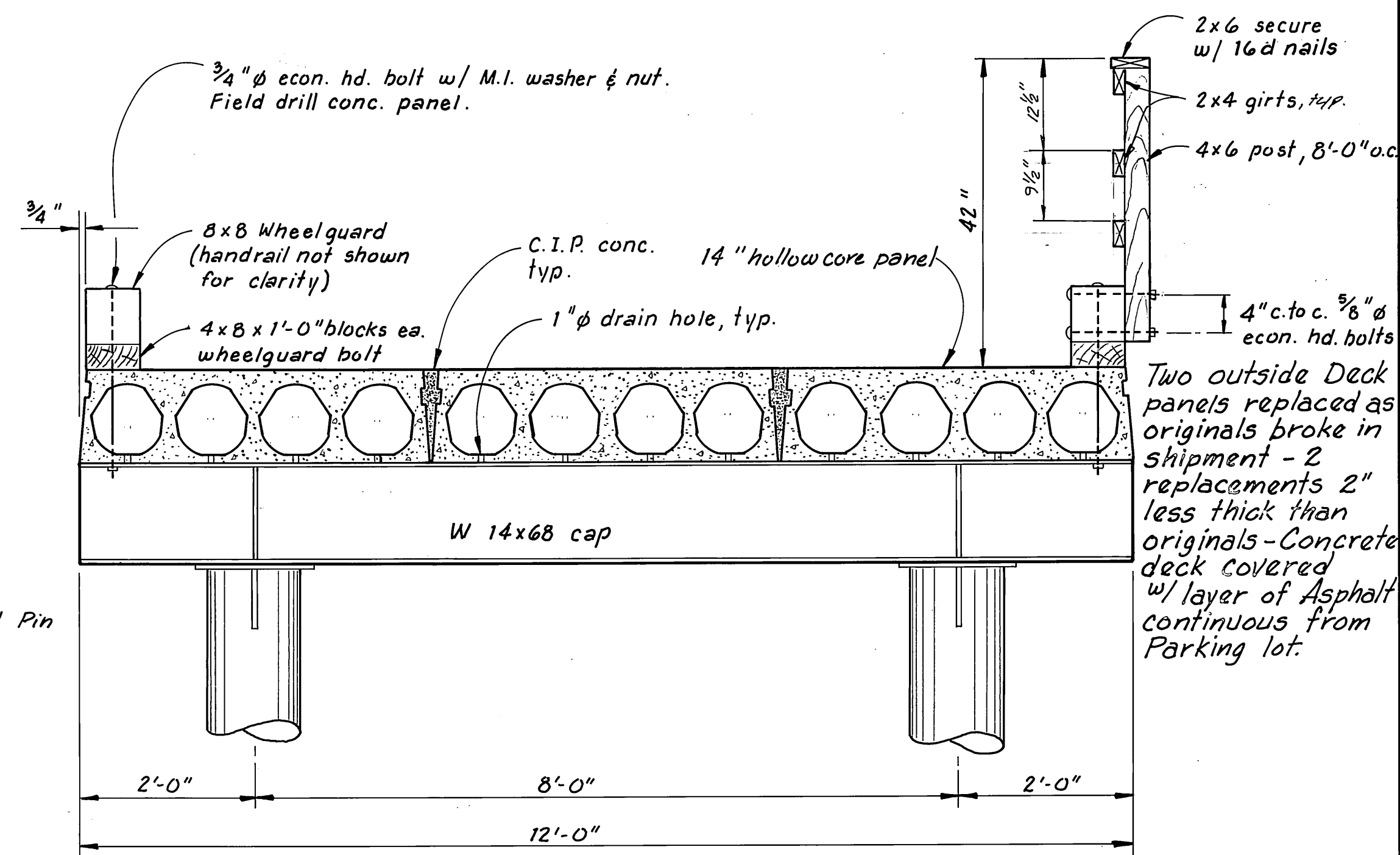
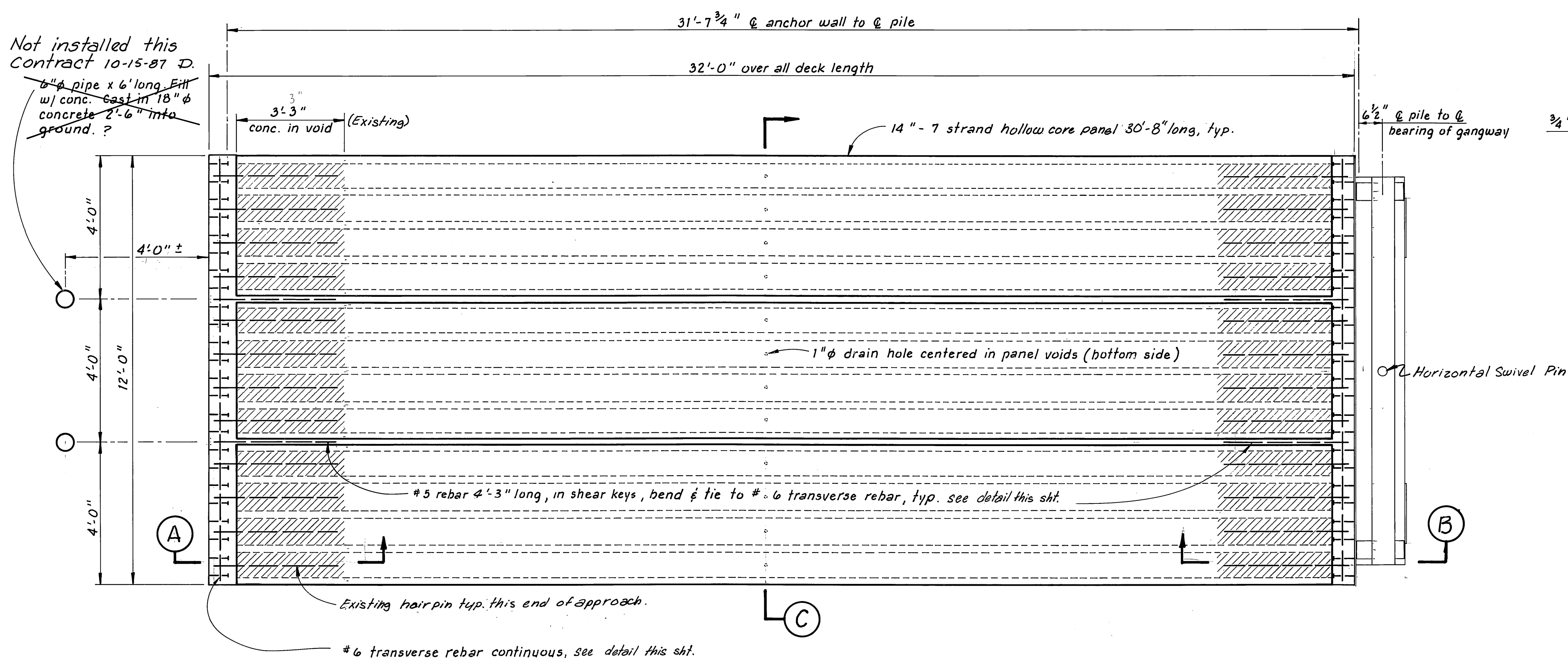
APPROACH TRANSITION DETAILS

1/2" = 1'-0"

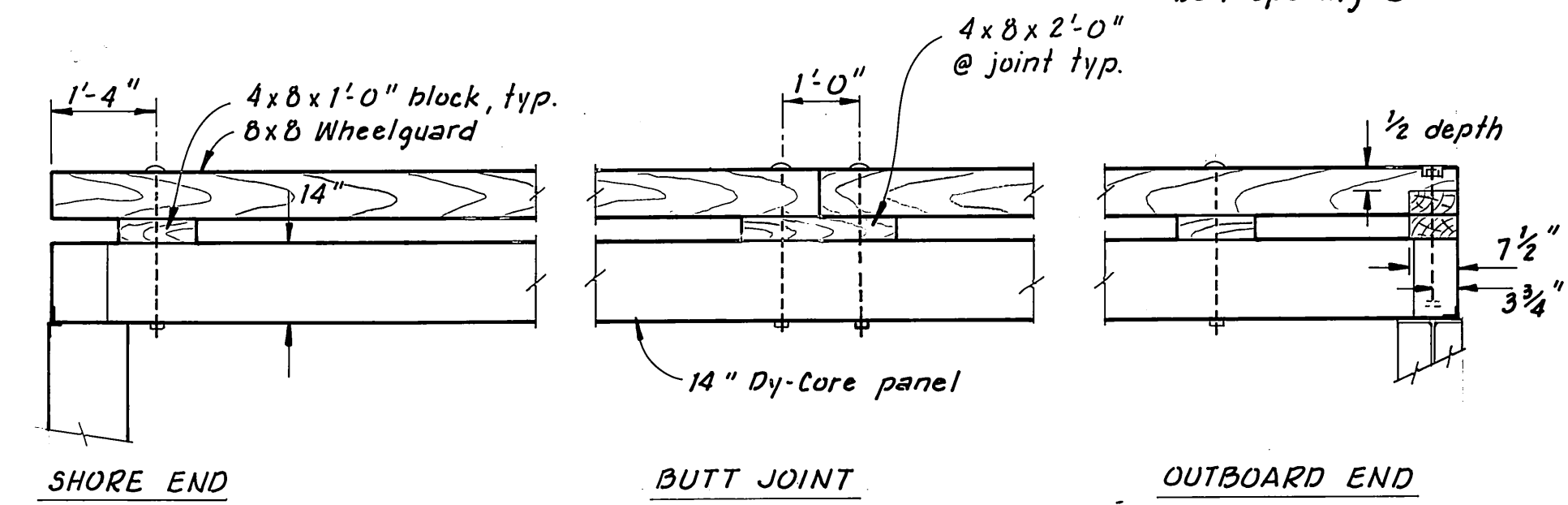
Tidal Datum	
U.S.G.S. BM 6 (1954)	Elev. 24.41 (MLLW-0.0)
Estimated Extreme High Water	22.0
Mean Higher High Water	15.85
Mean High Water	14.85
Mean Tide Level	8.20
Mean Low Water	1.55
Mean Lower Low Water	0.00
Estimated Extreme Low Water	-6.0

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DESIGN AND CONSTRUCTION	
		Auke Bay Alaska	
PROFILE AT GANGWAY			
SCALE 1" = 10'	SURVEYED	APPROVED	
DESIGNED JDB	DRAWN WmN		
CHECKED R.P.B.	DATE 11-85		
PROJECT NUMBER 67664, 69016, 169106		SHEET 5 OF 49	

M.H.
10/2/87



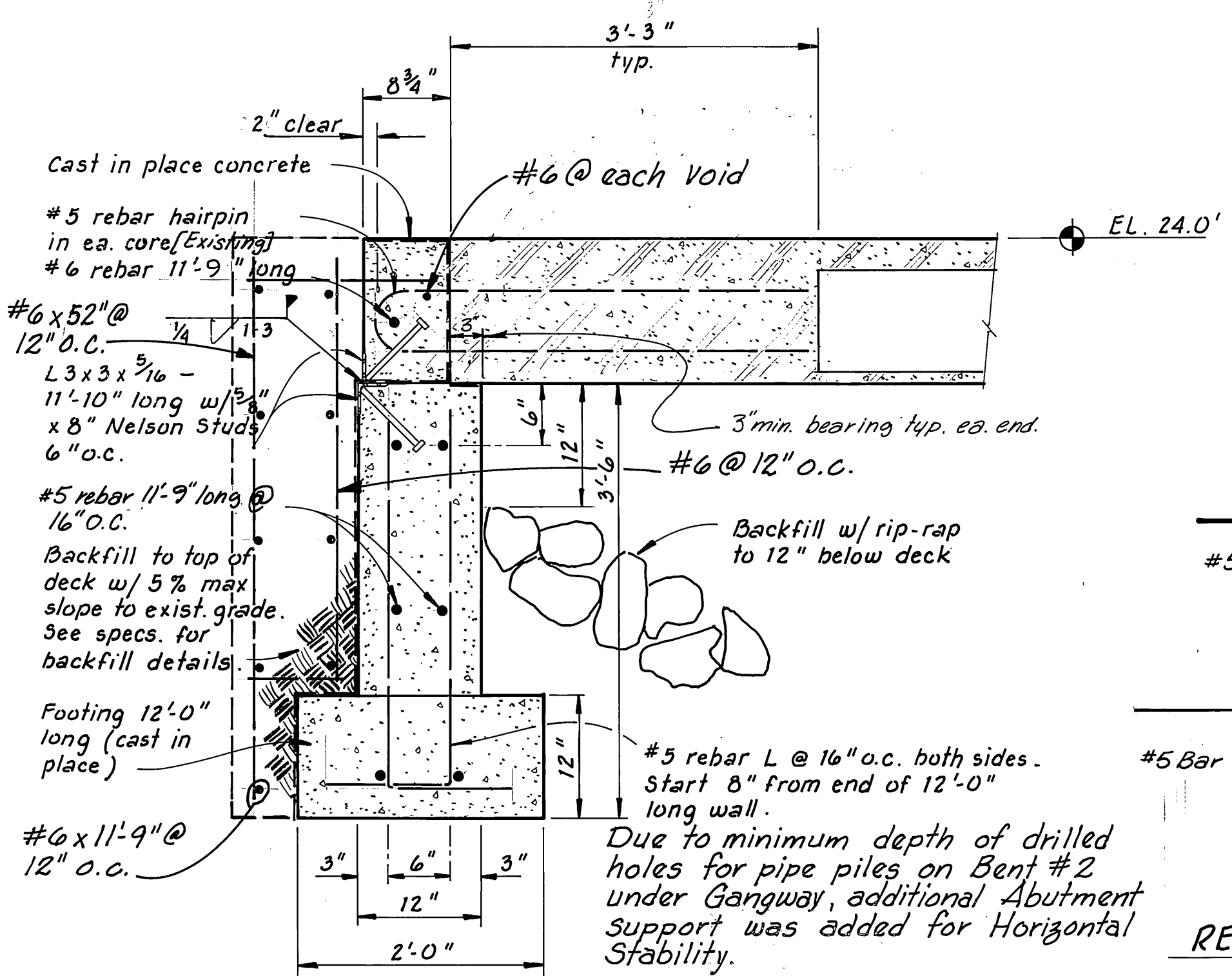
Fabricators option as to wheelguard lengths and bolt spacing. Max. bolt spacing 8'-0".



WHEELGUARD DETAILS
1/2" = 1'-0"

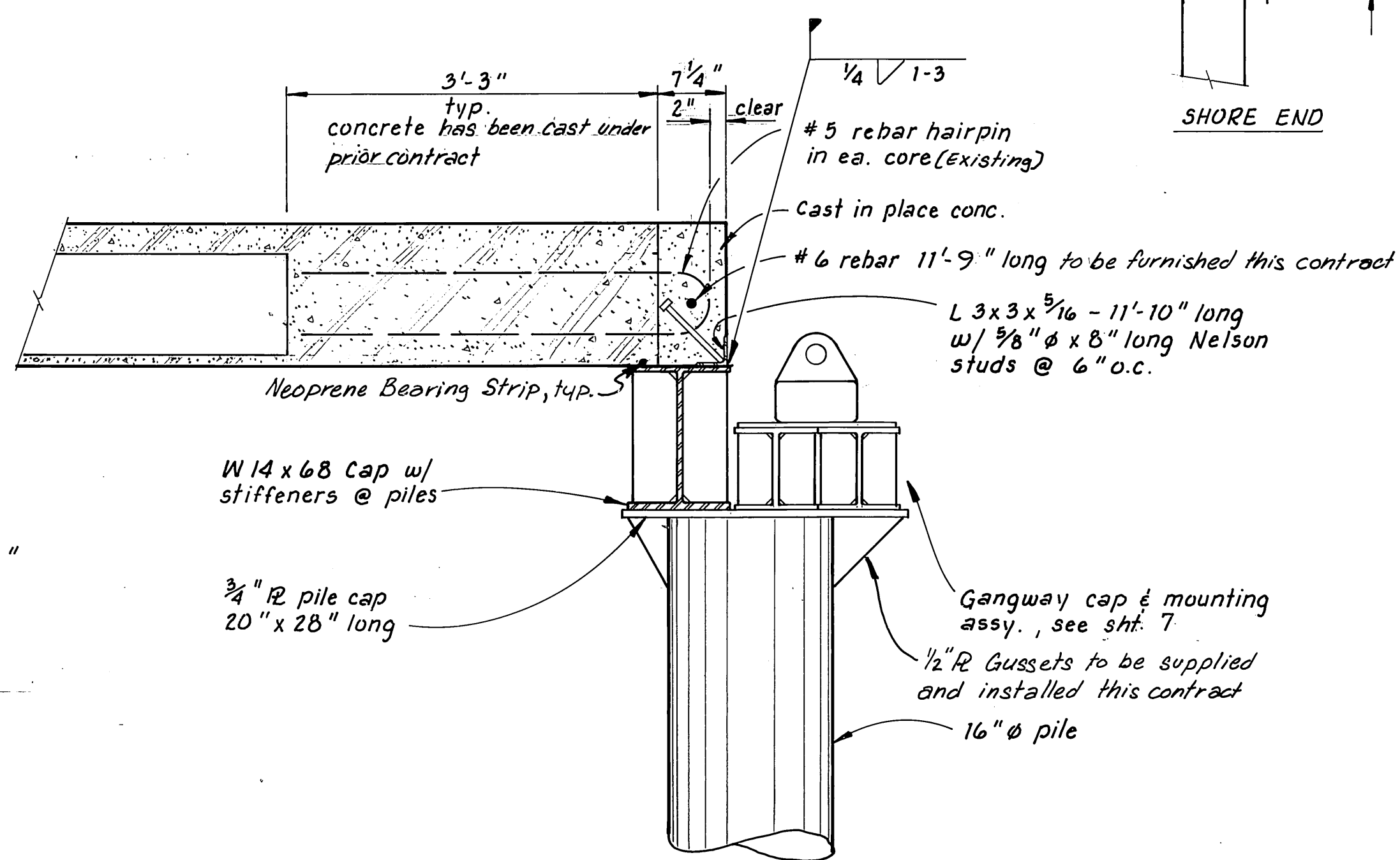
NOTES :

- 3-Hollow Core panels have been fabricated and are stored in Bellingham, Wa.
- Steel piles are in Juneau, steel caps in Bellingham, Wa.
- Rebar for cast in place (C.I.P.) concrete to be furnished and installed under this contract.
- All approach timber to be furnished and installed under this contract.



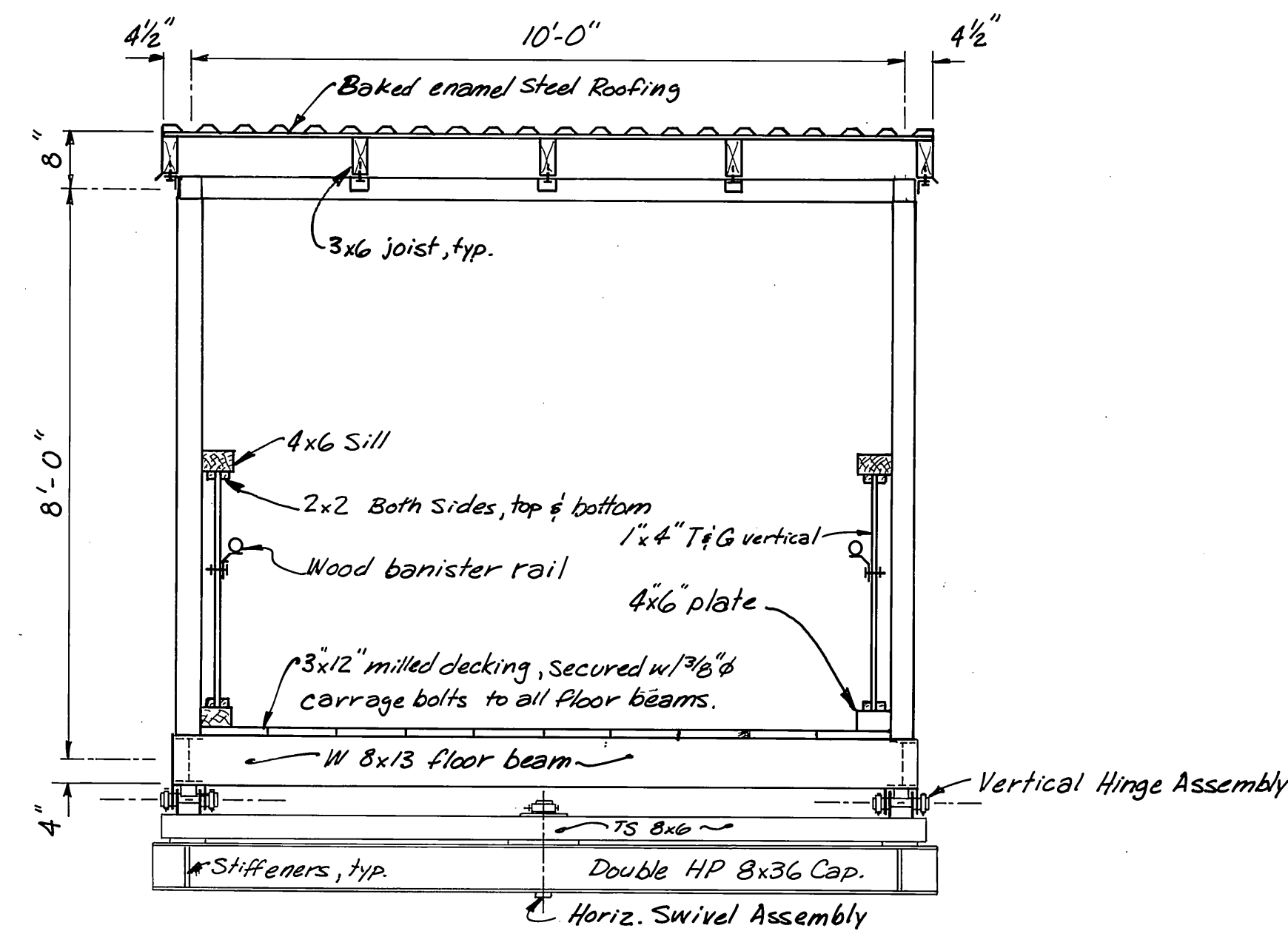
Note 1. Added Footing and Wall to be full width of Approach.

SECTION A
1" = 1'-0"

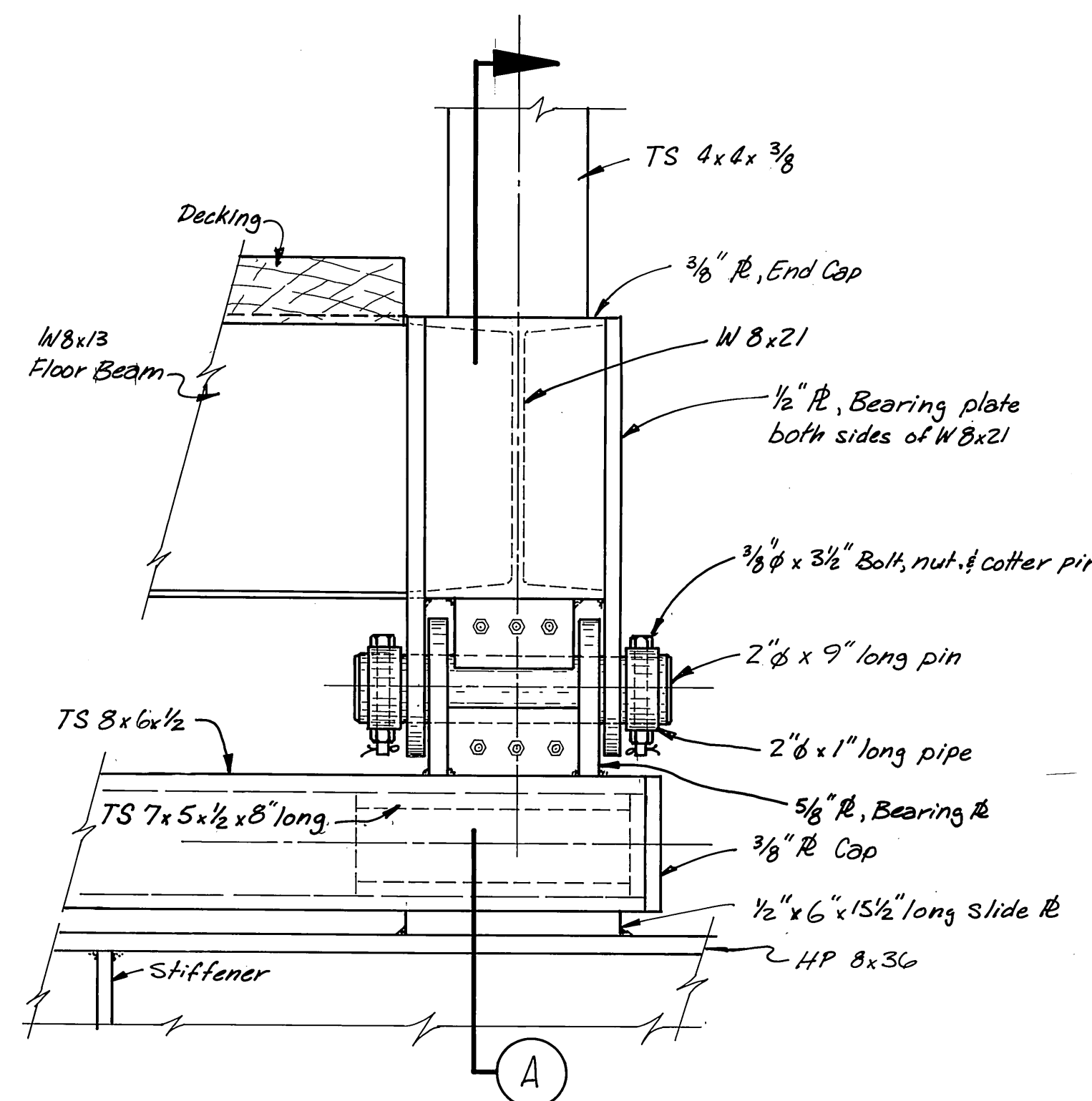


<p>STAMP</p> <p>STATE OF ALASKA 49th Jack Daniel Beedle REGISTERED PROFESSIONAL ENGINEER 11/9/86</p>	DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DESIGN AND CONSTRUCTION	
	Auke Bay	Alaska
	CONCRETE APPROACH	
SCALE A5 Noted DESIGNED JDB CHECKED JDB	SURVEYED DRAWN TS DATE 11-85	APPROVED
PROJECT NUMBER 67664, 67106, 67106		SHEET 6 OF 49

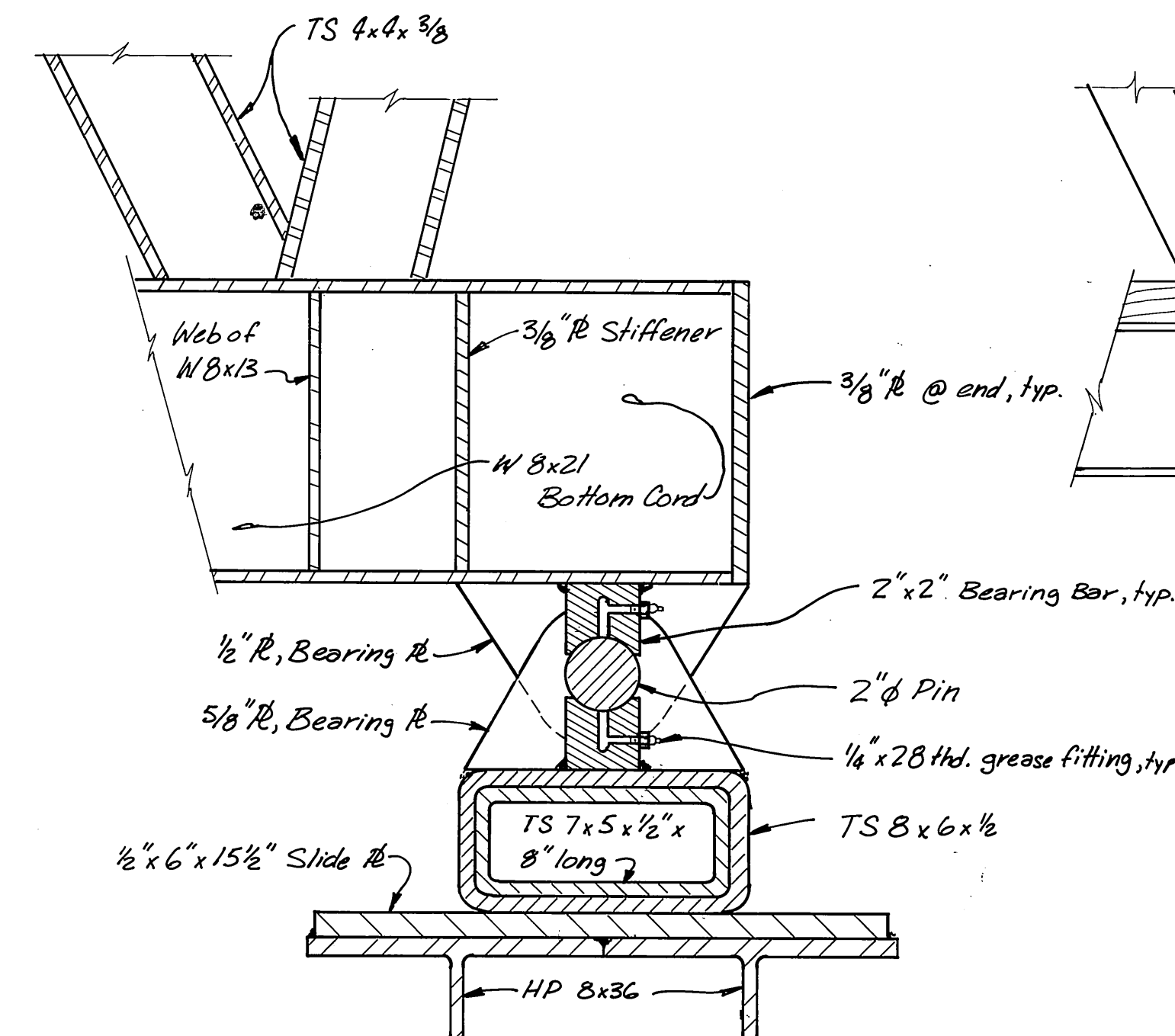
M.H.
10/2/87



APPROACH END VIEW of 10'x96' COVERED GANGWAY

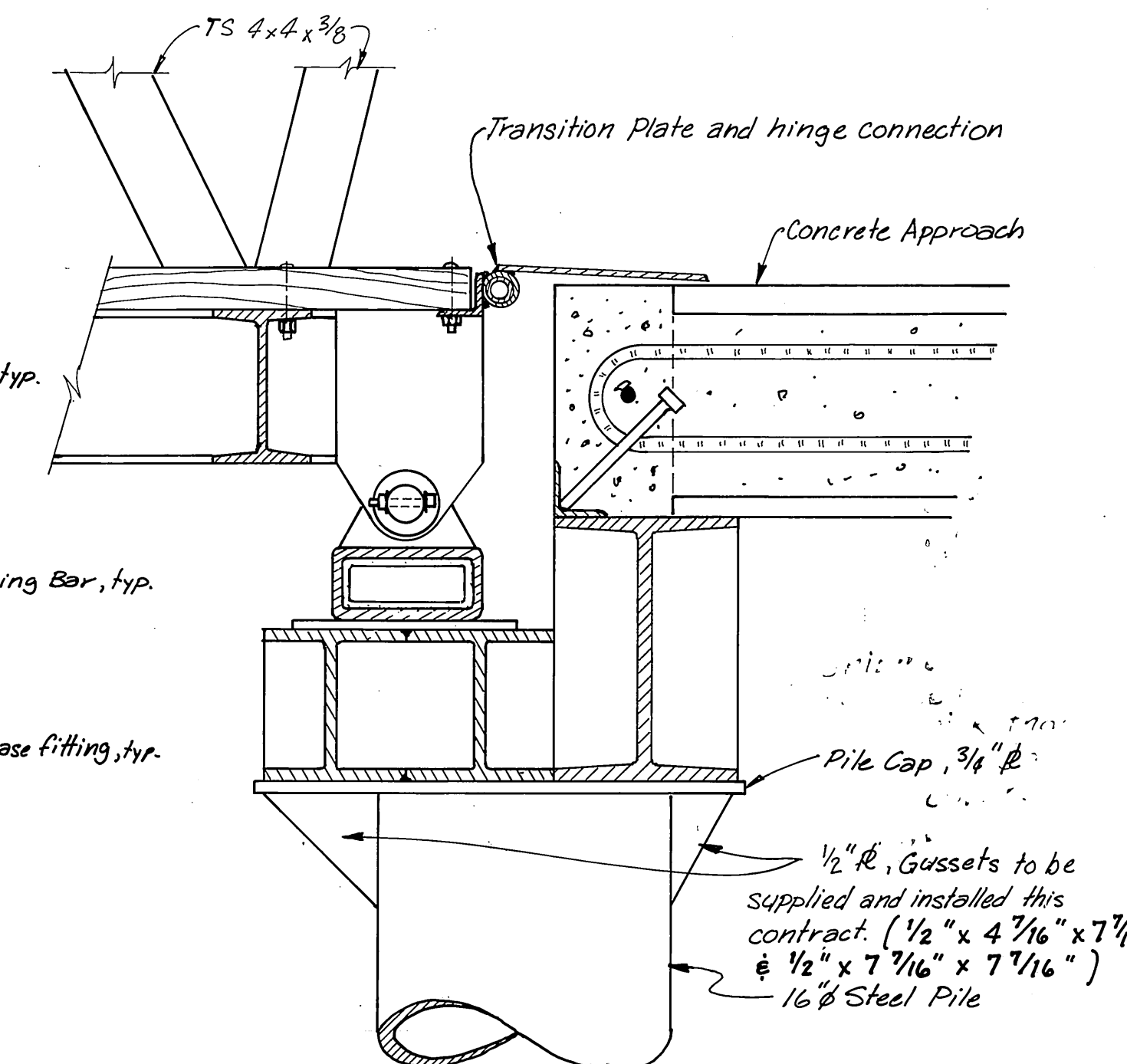


VERTICAL HINGE DETAILS
3" = 1'-0"

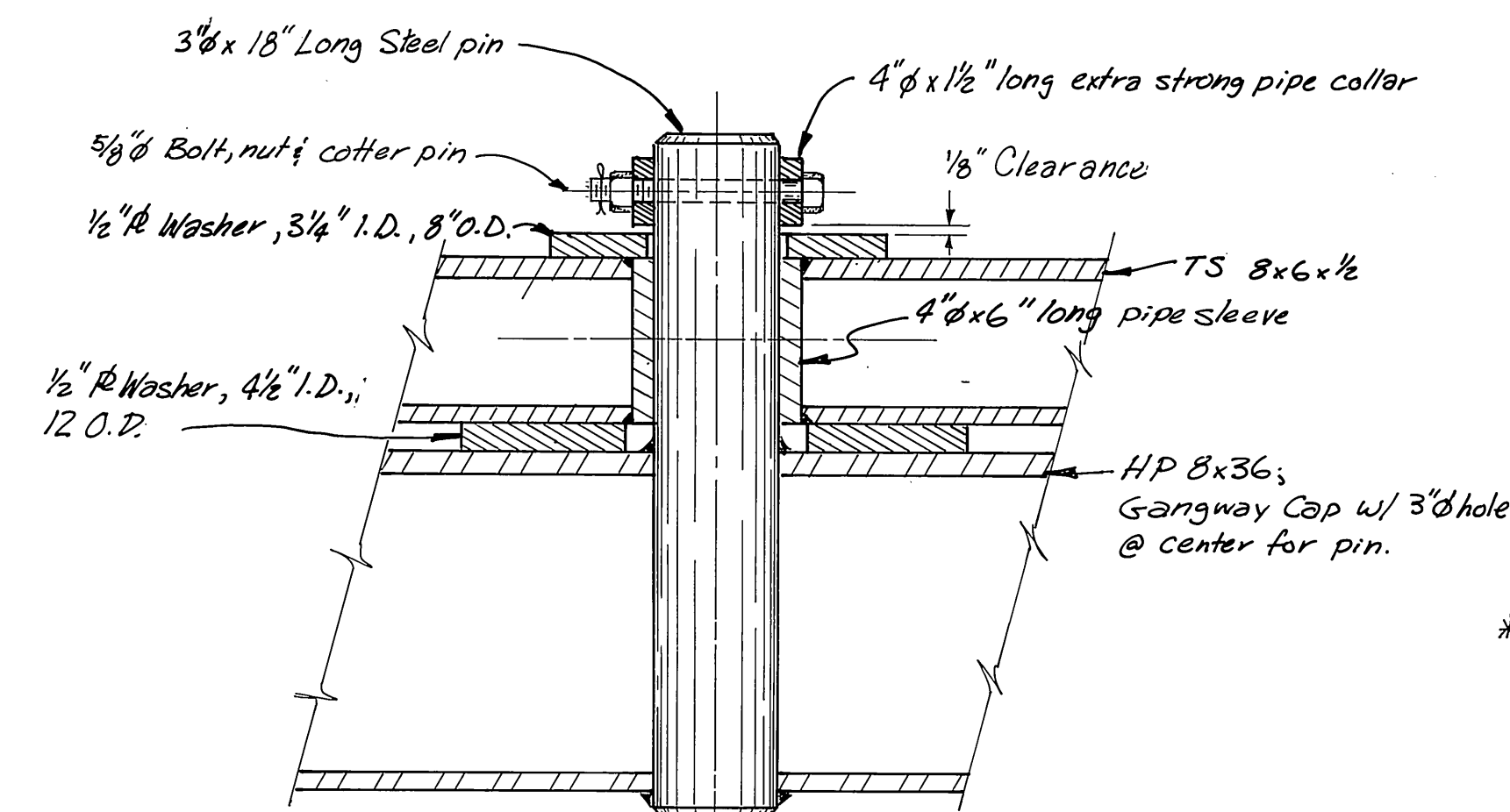


SECTION A
3" = 1'-0"

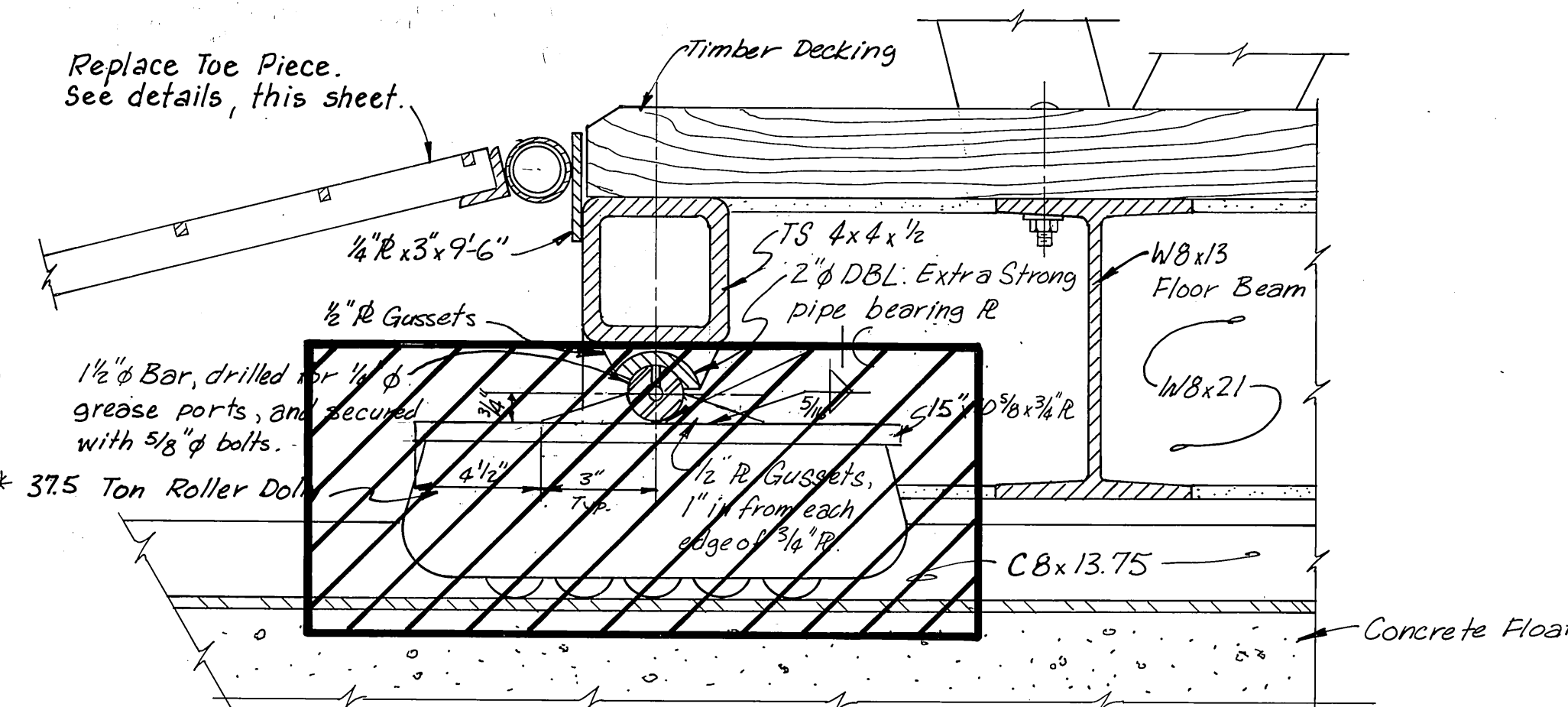
Note: Grease Slide Pls before installing gangway



SECTION AT APPROACH
3" = 1'-0"



HORIZONTAL SWIVEL DETAILS
3" = 1'-0"



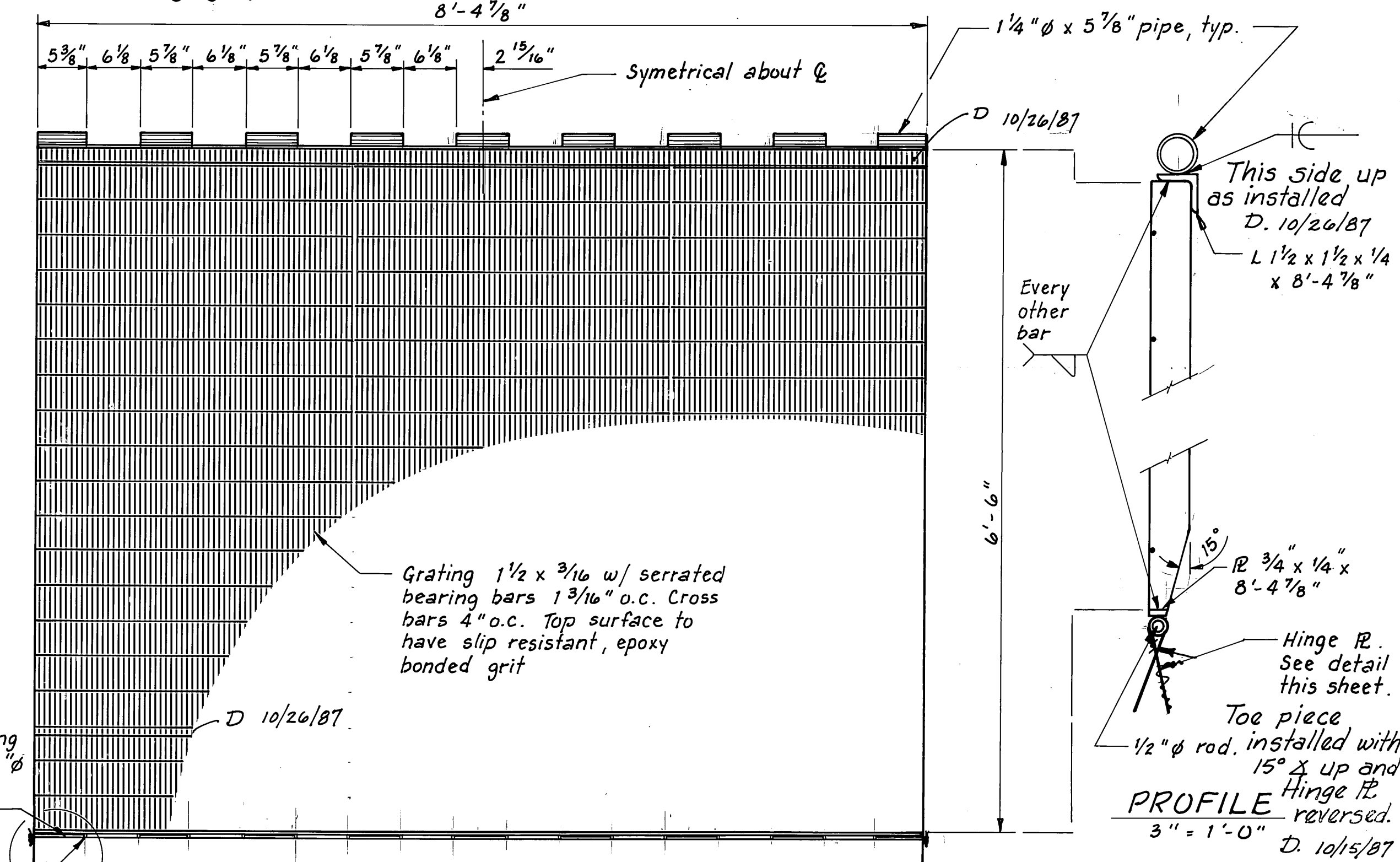
SECTION AT FLOAT END of 10'x96' GANGWAY
3" = 1'-0"

SHOWING EXISTING ROLLER TO BE REMOVED THIS CONTRACT

Note: Existing roller dolly is a Hilman Roller, Roller Model 37.50T, to be removed this contract.

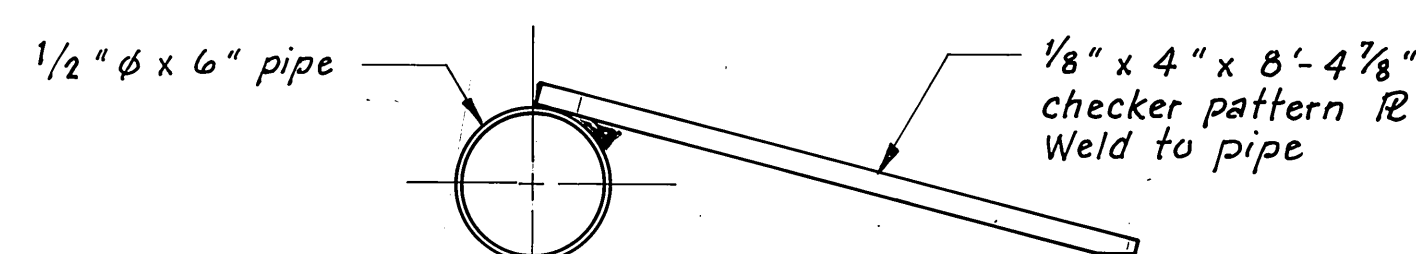
1/2" pipe. Lengths & spacing identical to 1 1/4" pipe on other end.

1/16" gap typ.



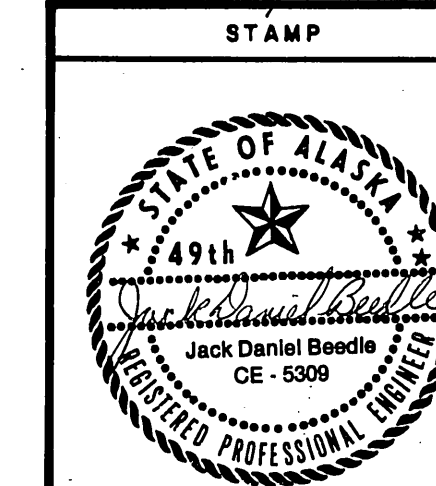
PLAN VIEW
1" = 1'-0"

TOE PIECE DETAILS



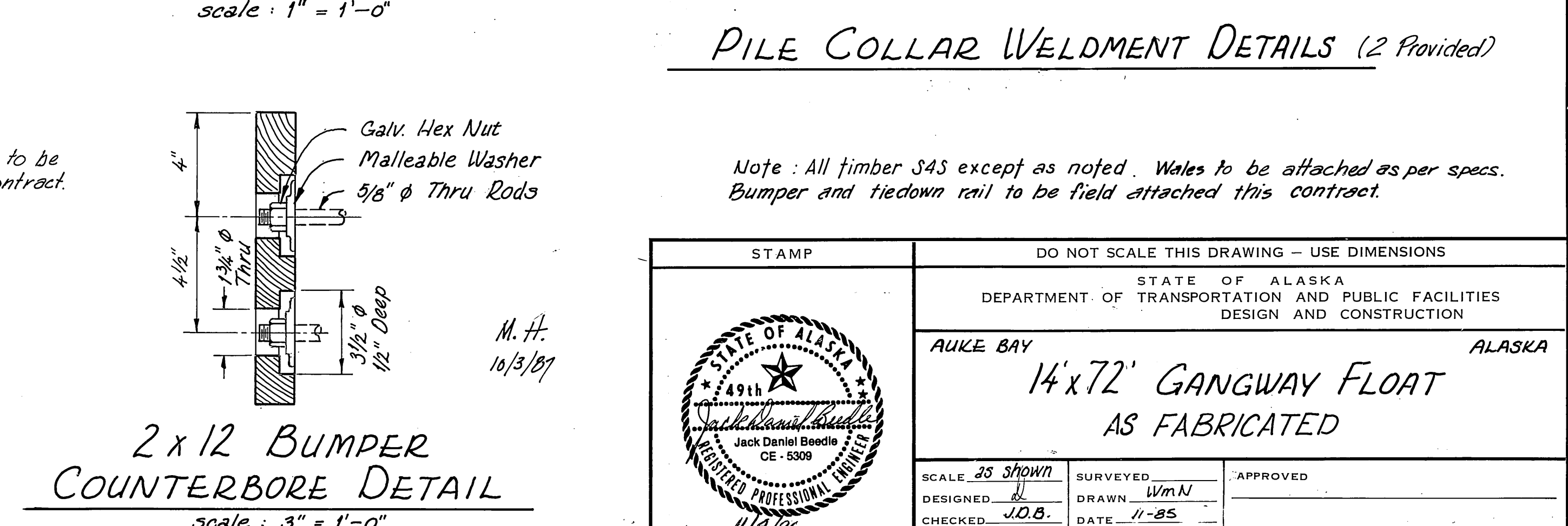
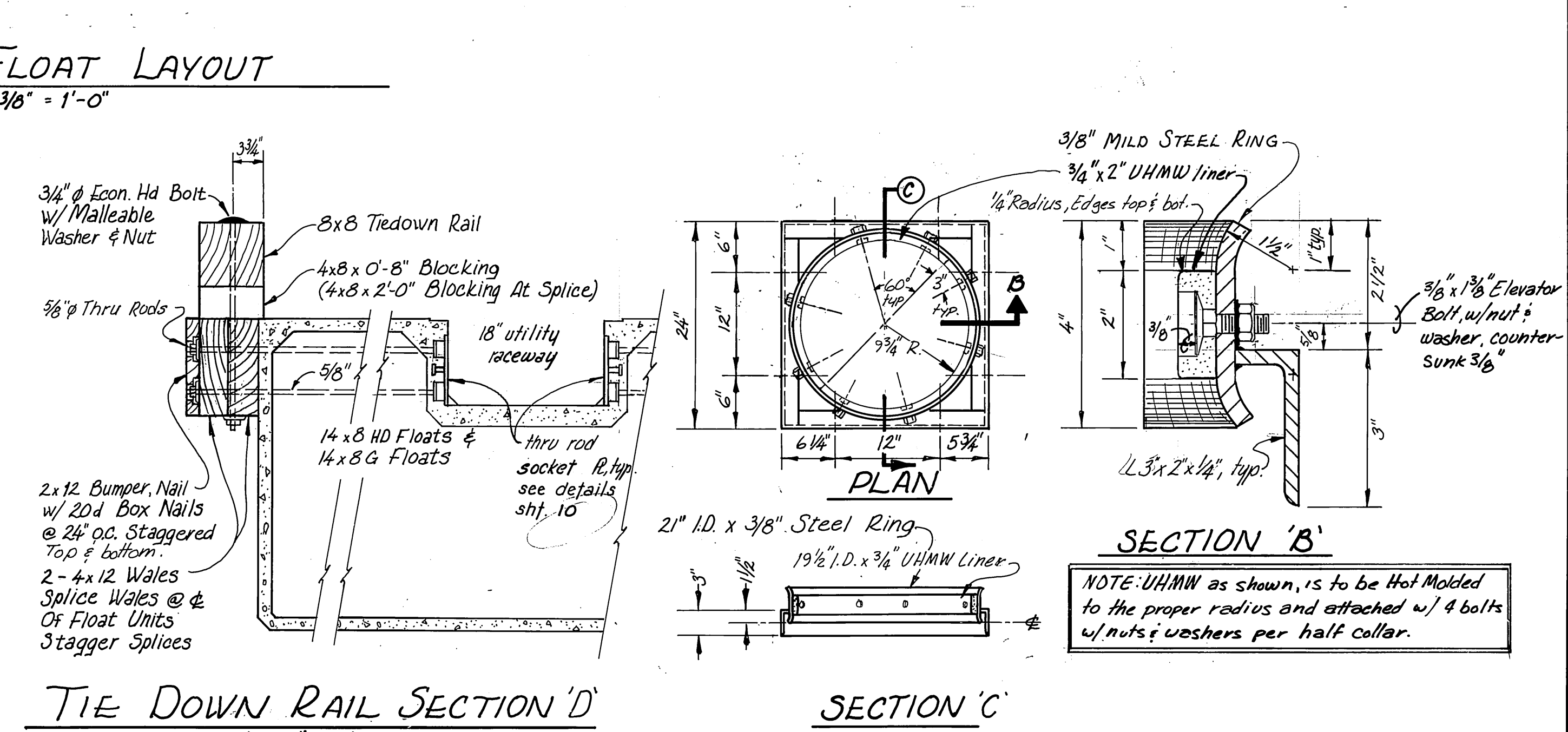
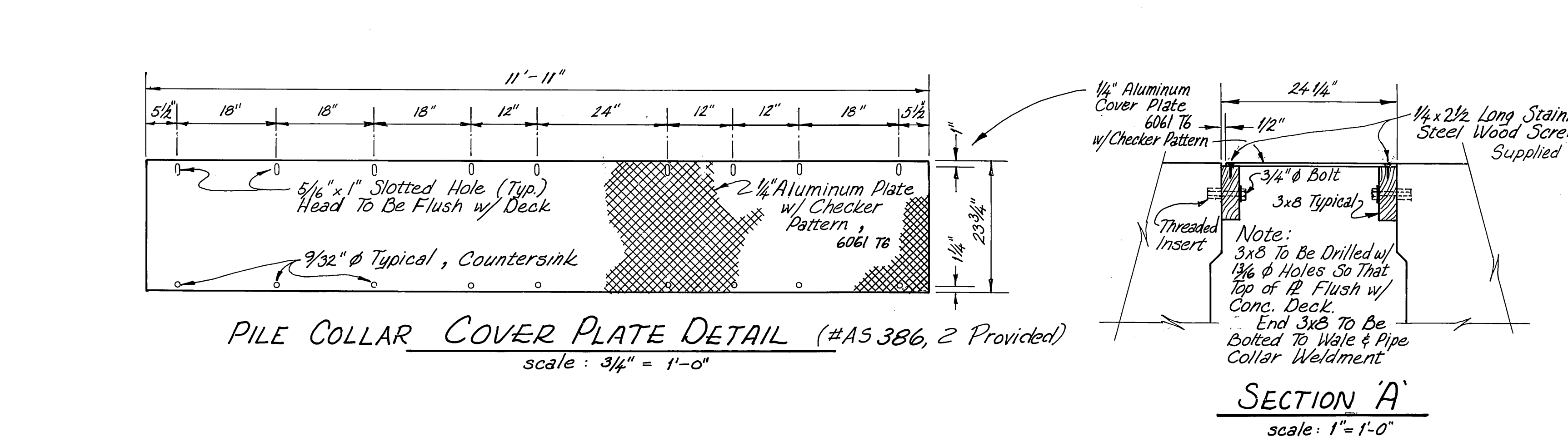
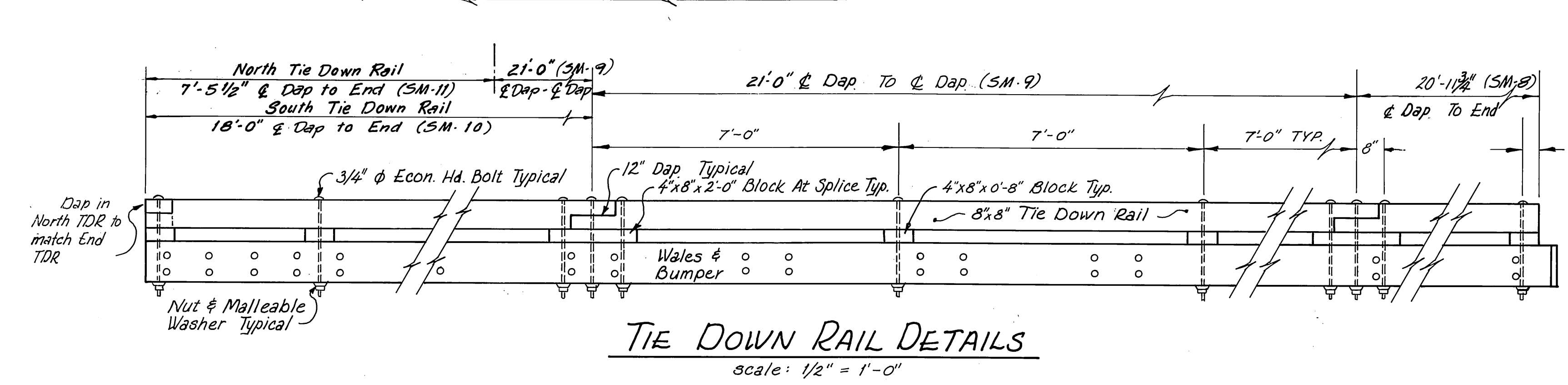
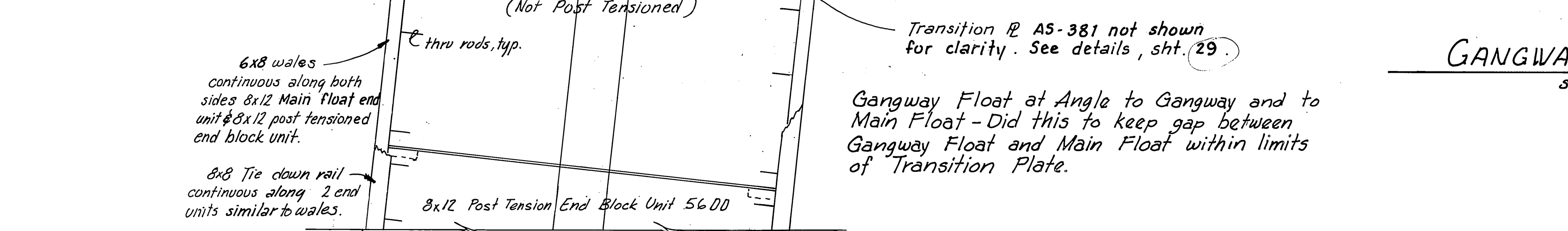
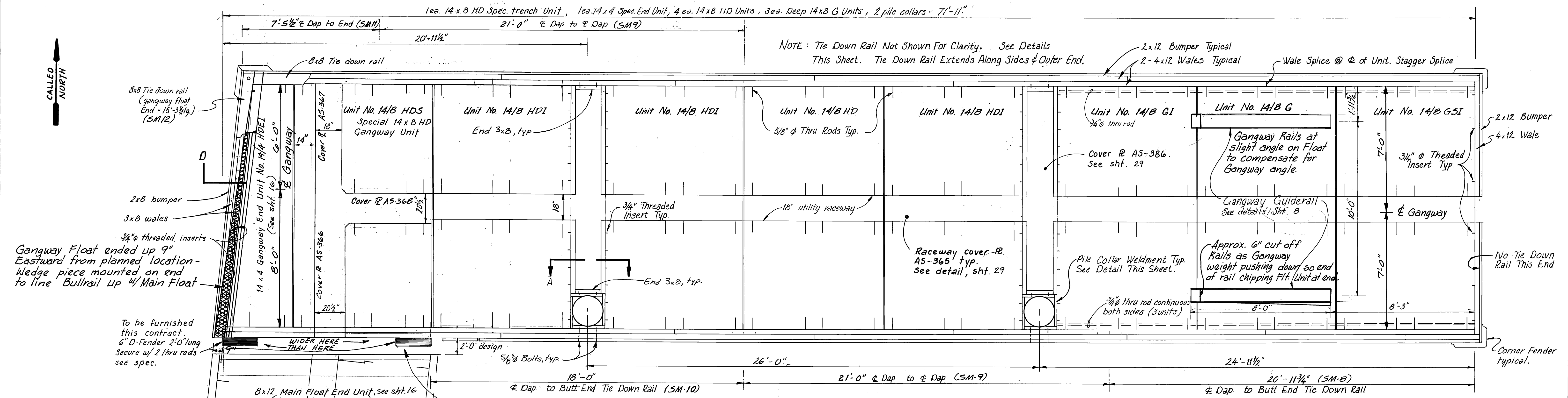
HINGE PLATE
12" = 1'-0"

M.H. 10/2/87



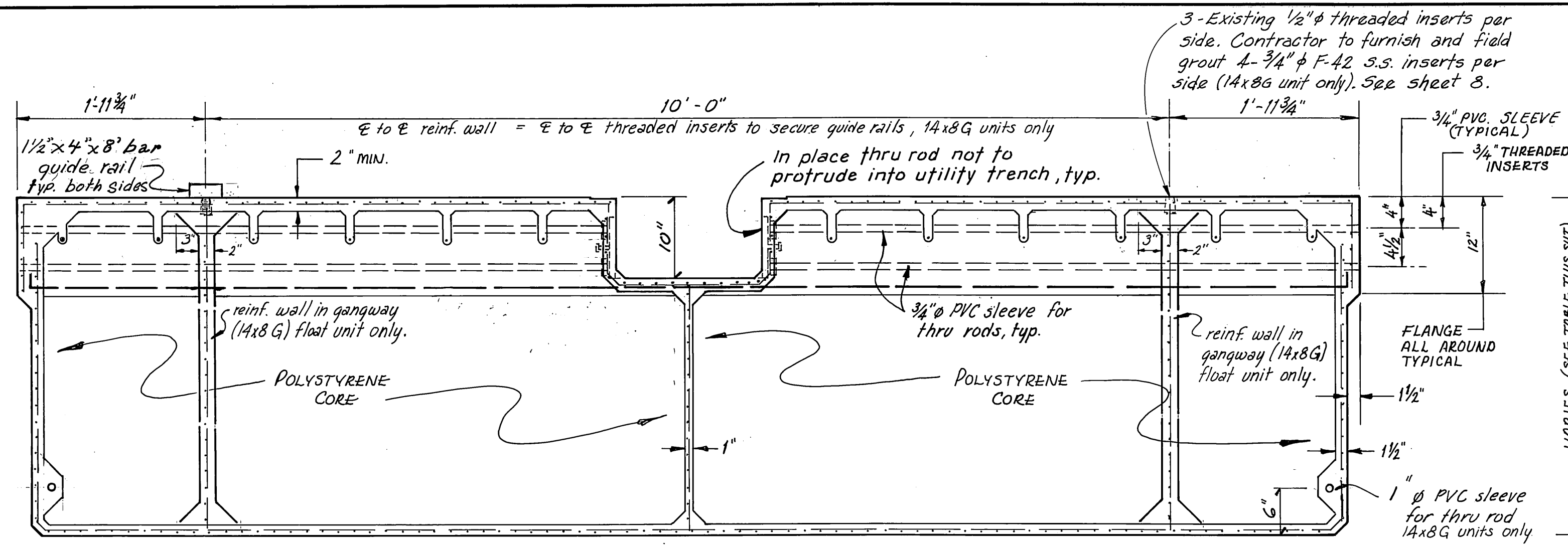
DO NOT SCALE THIS DRAWING — USE DIMENSIONS			
STATE OF ALASKA			
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
Auke Bay		Alaska	
10'x96' GANGWAY DETAILS			
DESIGNED <u>JOB</u>	CHECKED <u>4</u>	DRAWN <u>DJM</u>	DATE <u>11-85</u>
PROJECT NUMBER <u>67664, 67016, 67106</u>		SHEET <u>7</u>	OF <u>49</u>

M.H.
10/2/87



NOTE: All timber S4S except as noted. Wales to be attached as per specs. Bumper and tiedown rail to be field attached this contract.

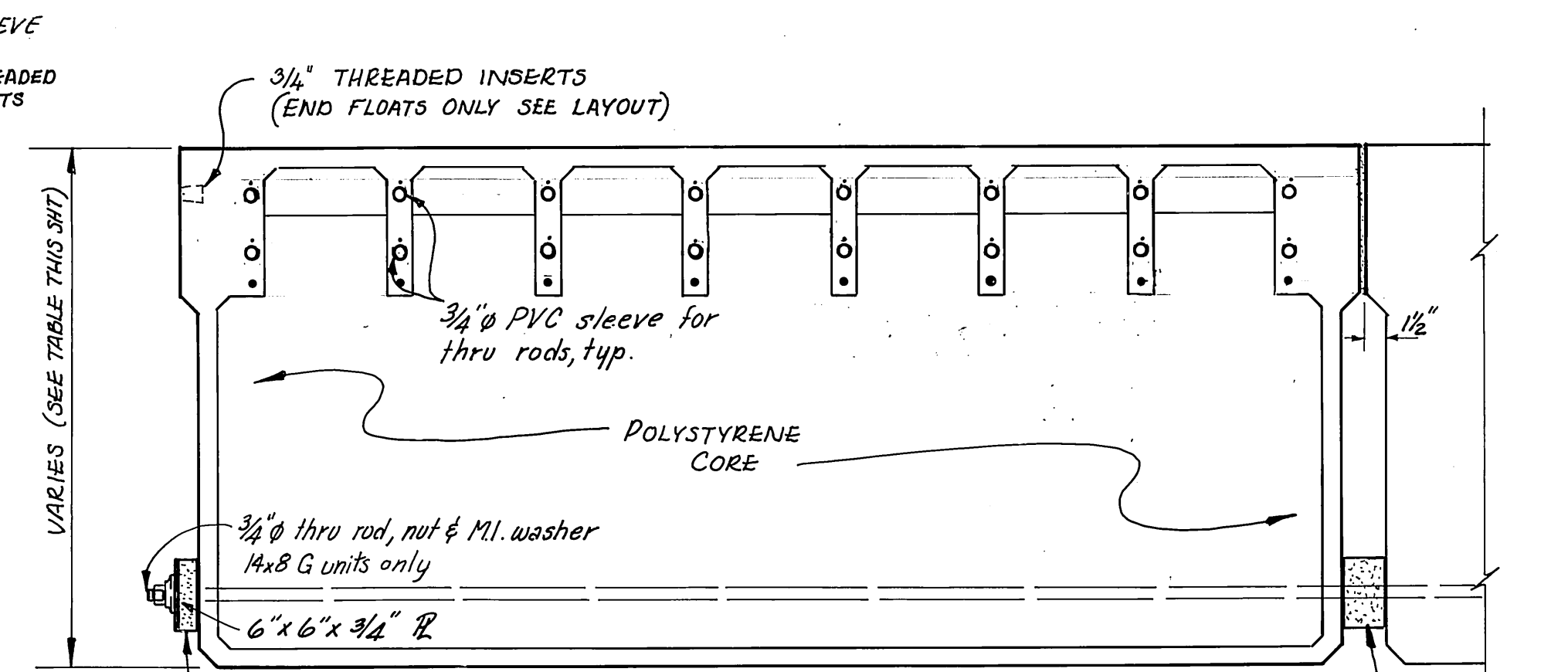
STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DESIGN AND CONSTRUCTION	
		AUKU BAY ALASKA	
		14' x 72' GANGWAY FLOAT AS FABRICATED	
		SCALE: AS SHOWN DESIGNED: JDB CHECKED: JDB PROJECT NUMBER: 67664, 67016, 67106	
SURVEYED: WmN DATE: 11-85		APPROVED: _____	
SHEET 9 OF 49			



END ELEVATION

SCALE : 1" = 1'-0"

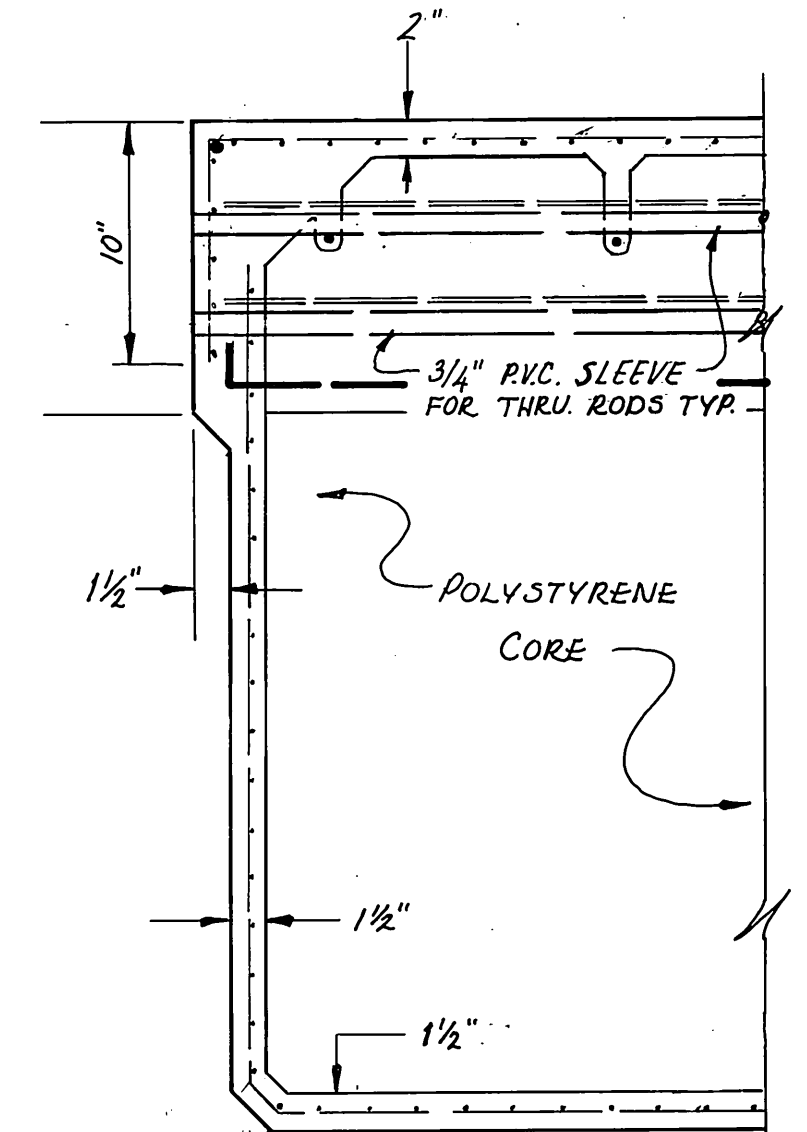
DIMENSIONS			
NOMINAL FLOAT	WIDTH	LENGTH	DEPTH
14 x 8 HD, HDL, HDS	13'-11 1/2"	7'-11 1/2"	40"
14 x 9 HDL, HDS	13'-11 1/2"	7'-11 1/2"	54"



OUTBOARD ELEVATION

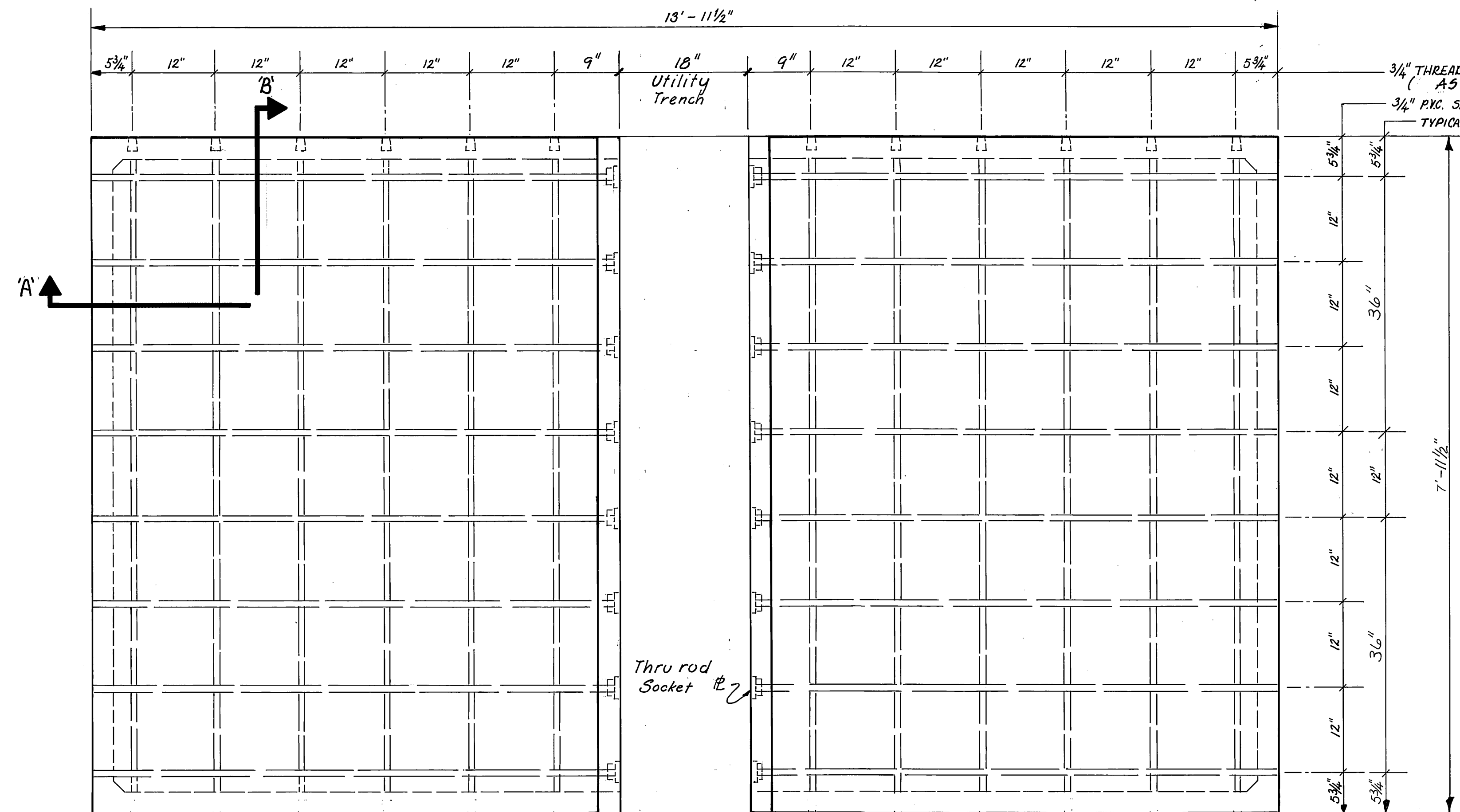
SCALE : 1" = 1'-0"

State furnished 2"x6"x6" fabric reinforced pad for 14x8G Units only.



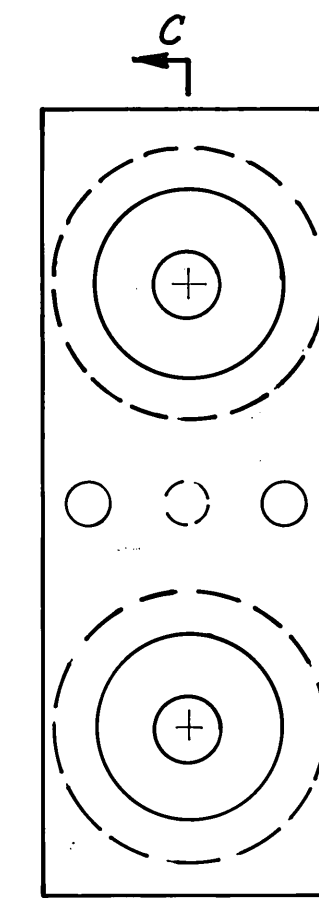
SECTION A'

SCALE : 1/2" = 1'-0"



PLAN VIEW

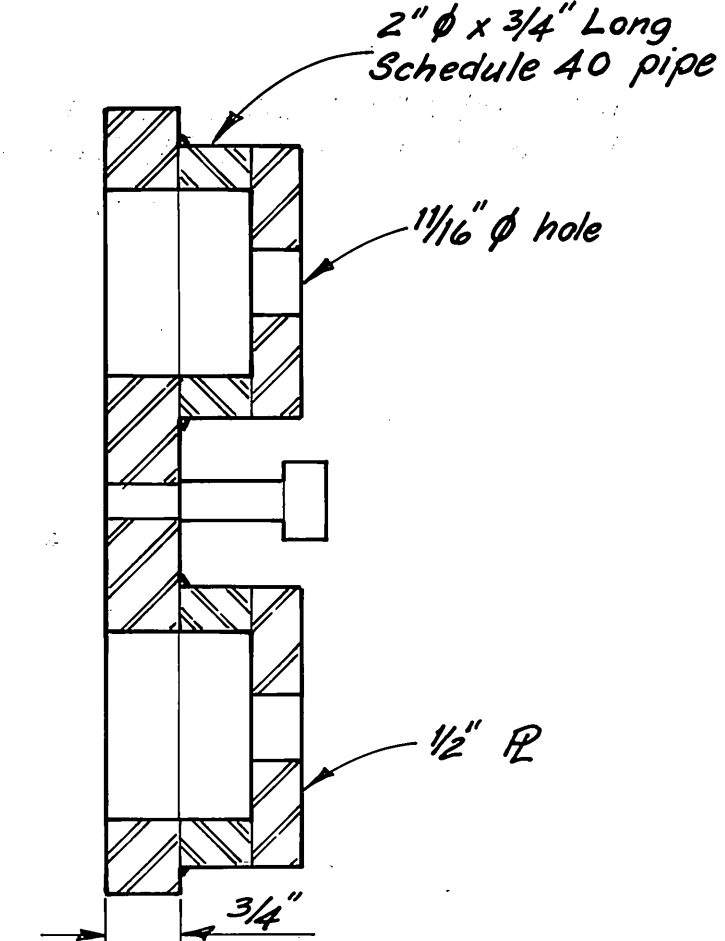
SCALE : 1" = 1'-0"



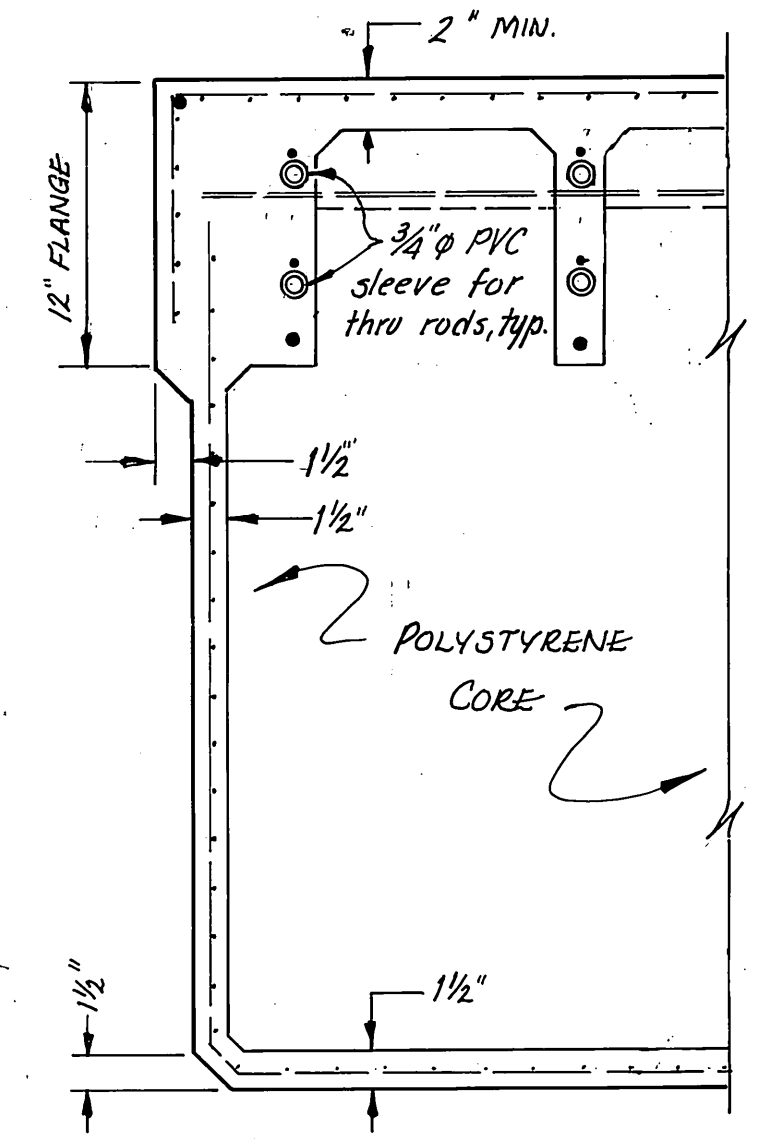
FRONT VIEW

THRU ROD SOCKET R

6" = 1'-0"



SECTION C'

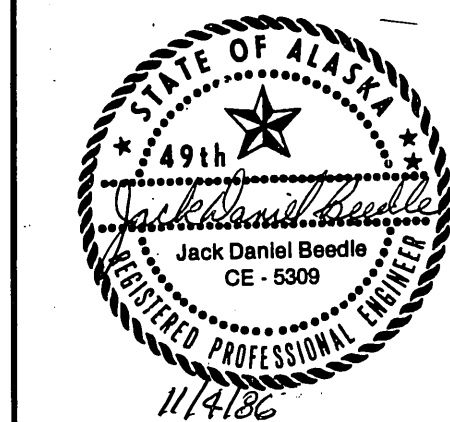


SECTION B'

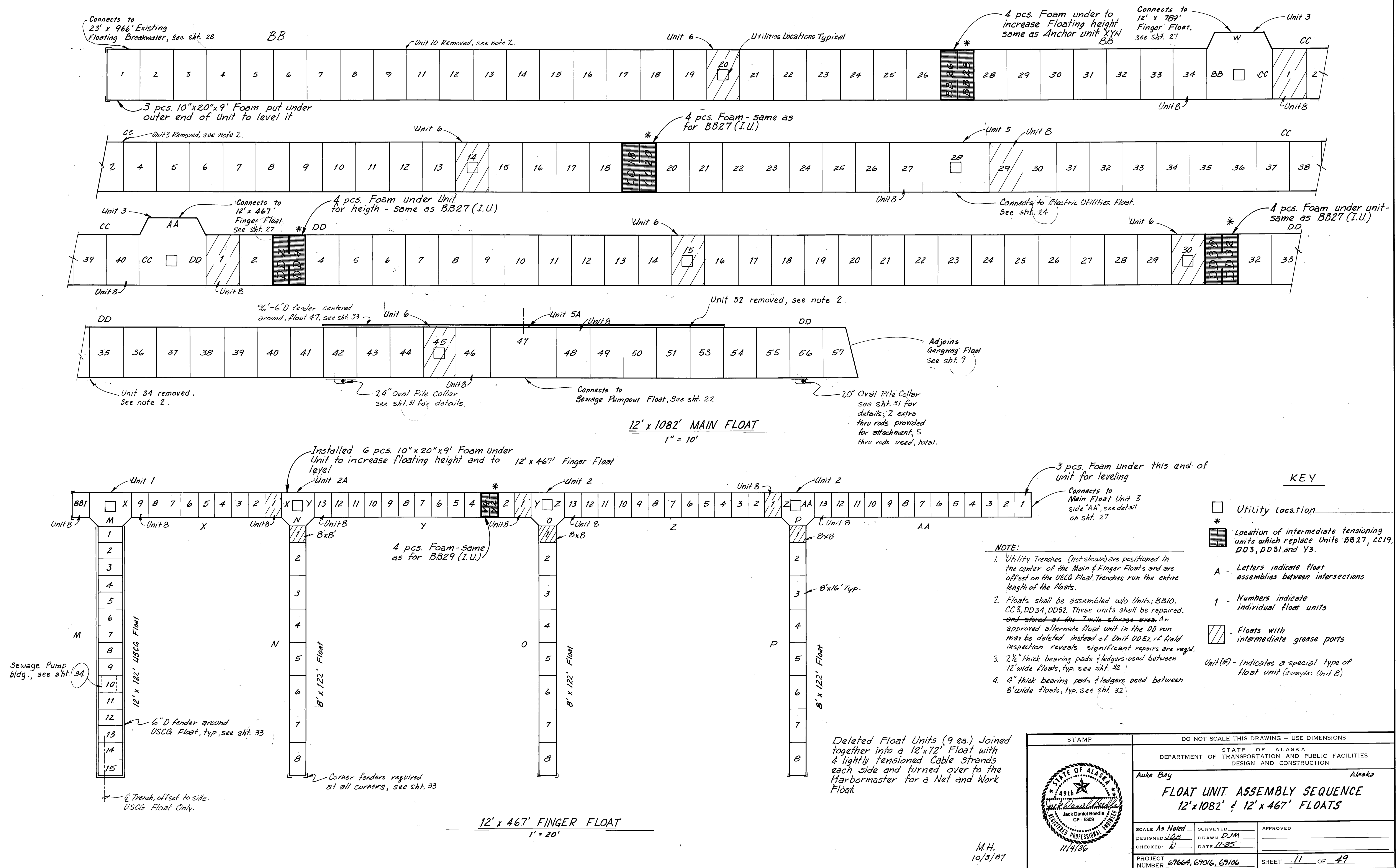
SCALE : 1/2" = 1'-0"

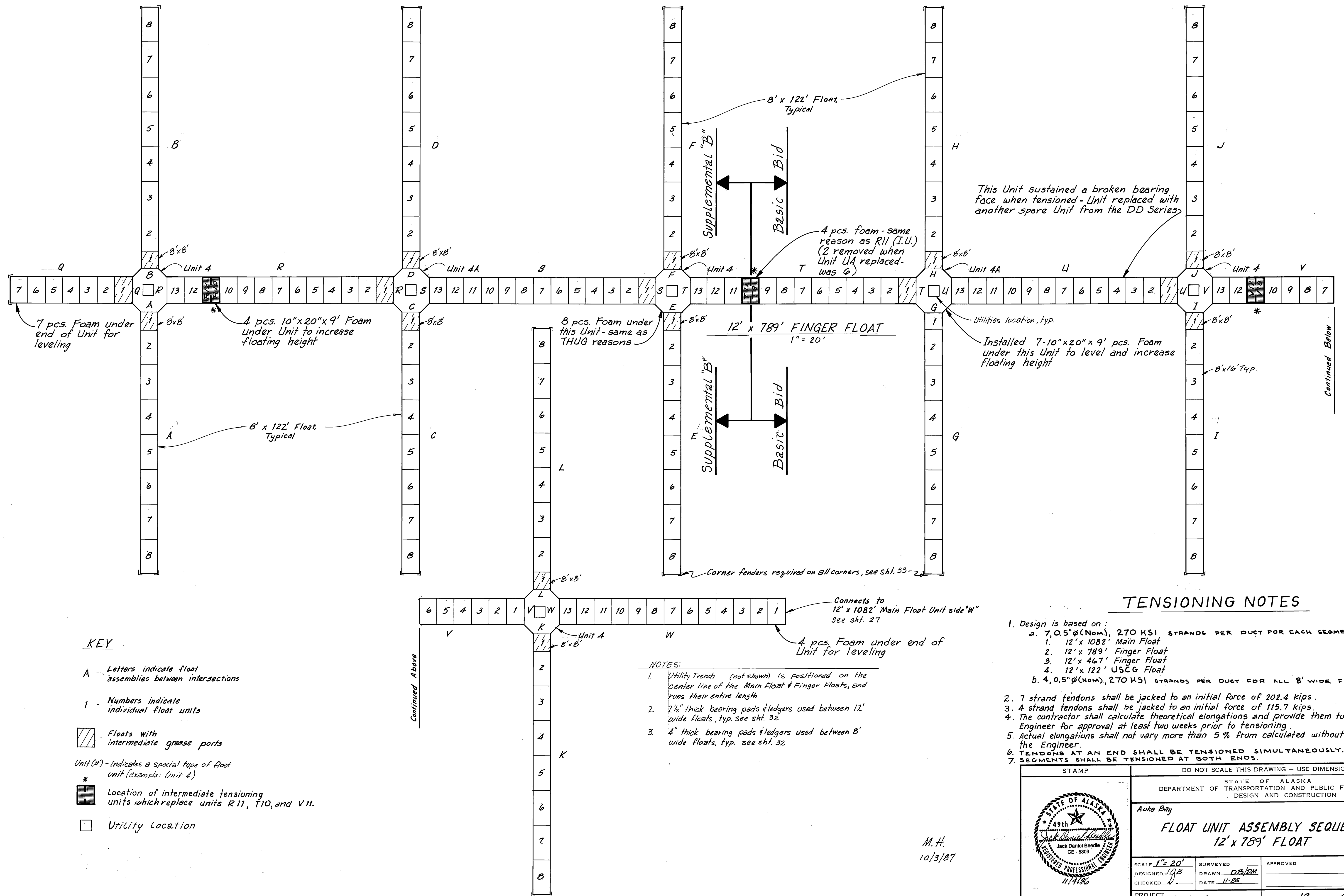
NOTE: All dimensions are subject to minor variations.

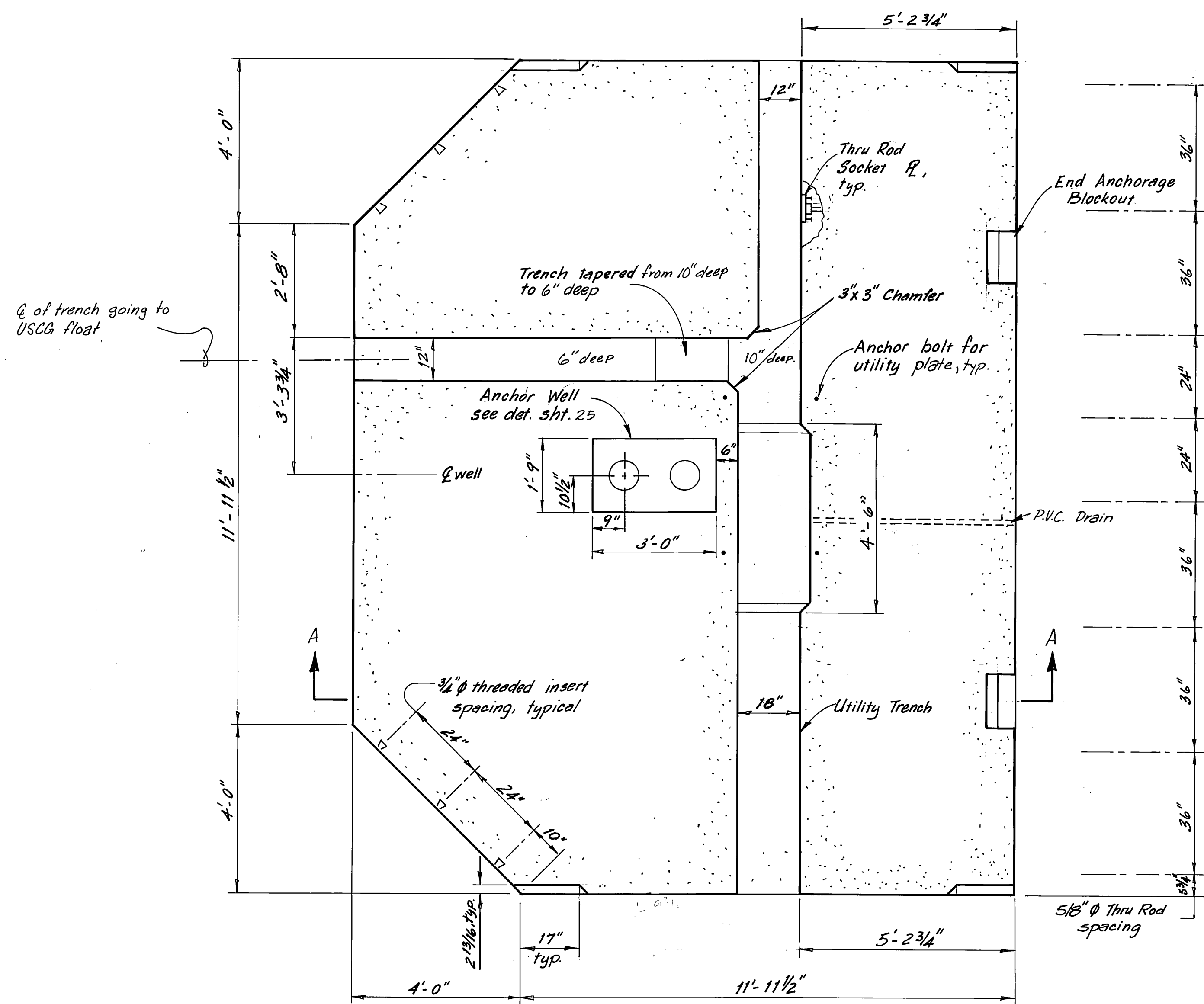
M.H.
10/3/87



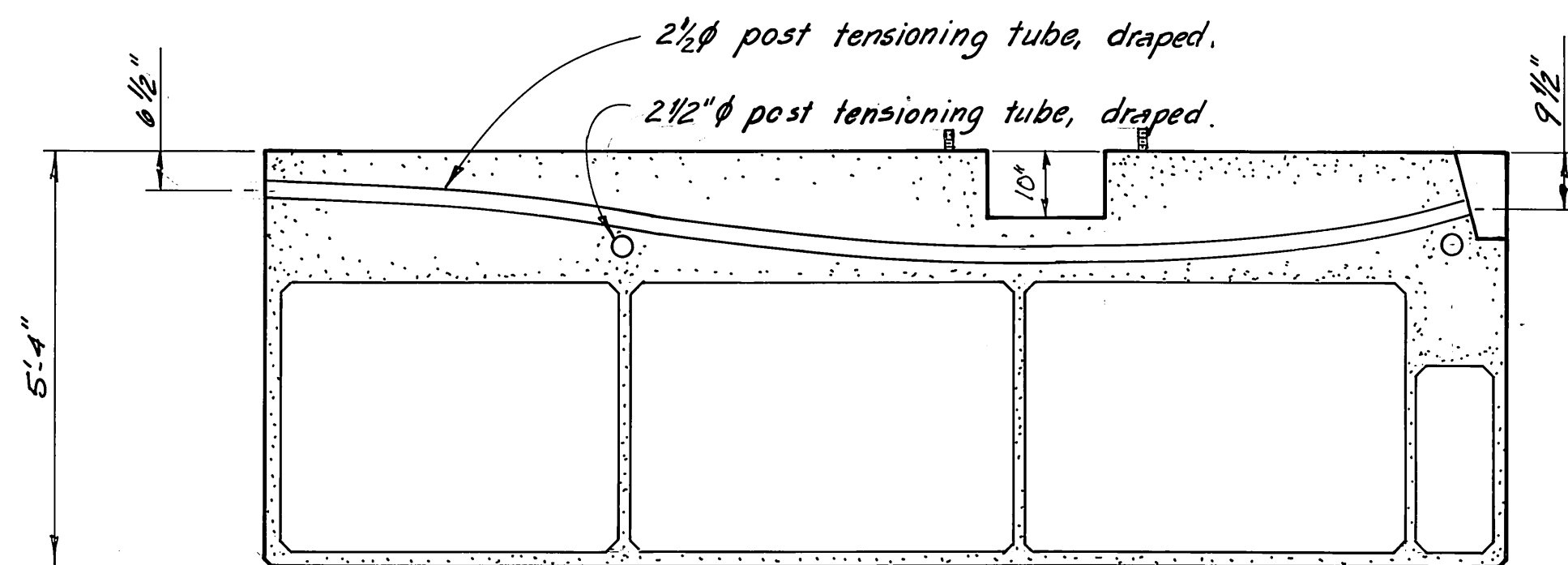
STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DESIGN AND CONSTRUCTION		Auks Bay Alaska	
TYPICAL 14' WIDE FLOAT UNIT AS FABRICATED			
SCALE As Noted	SURVEYED	APPROVED	
DESIGNED	DRAWN		
CHECKED	DATE		
PROJECT NUMBER 67664, 67016, 67106		SHEET 10 OF 49	





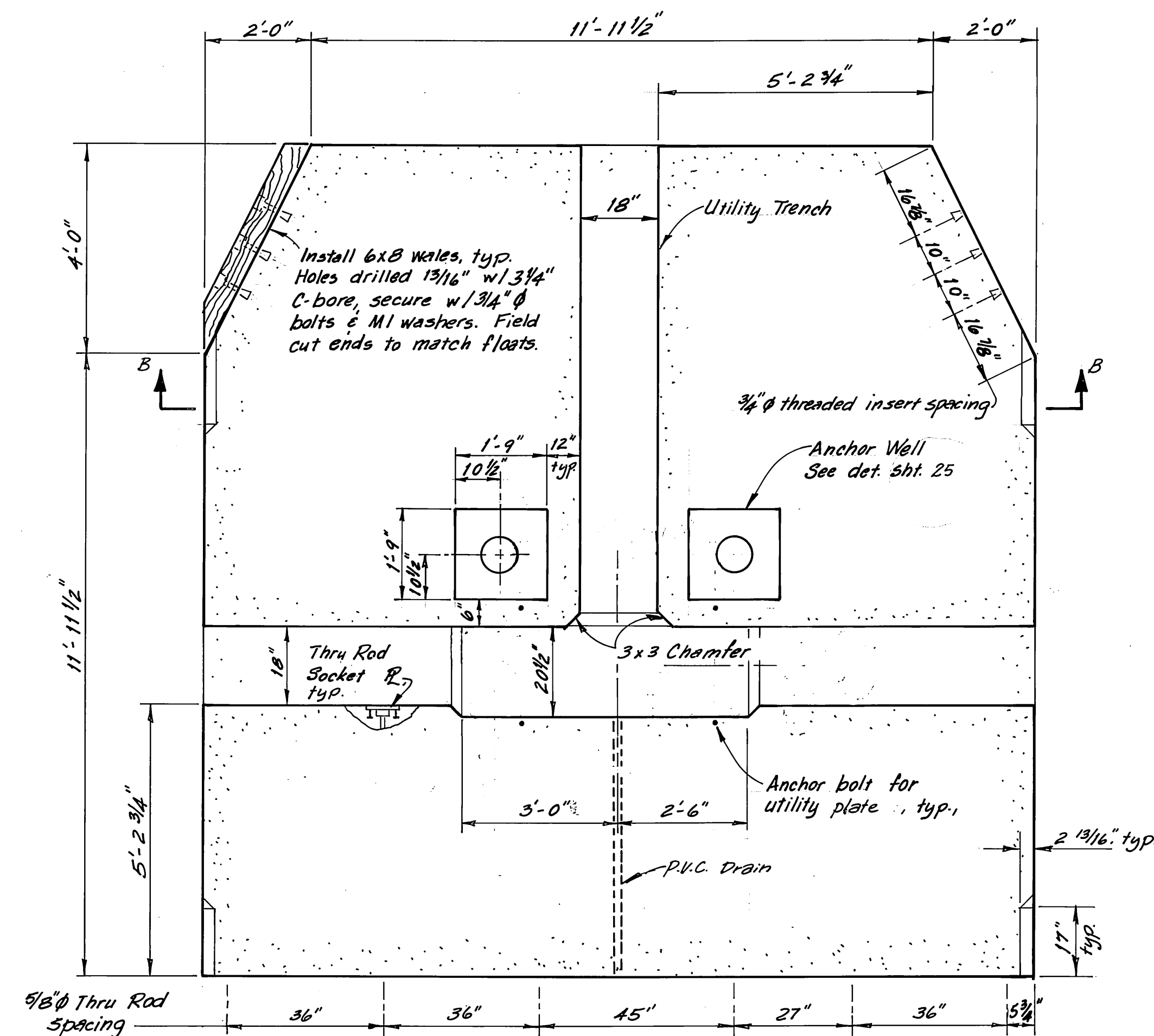


PLAN

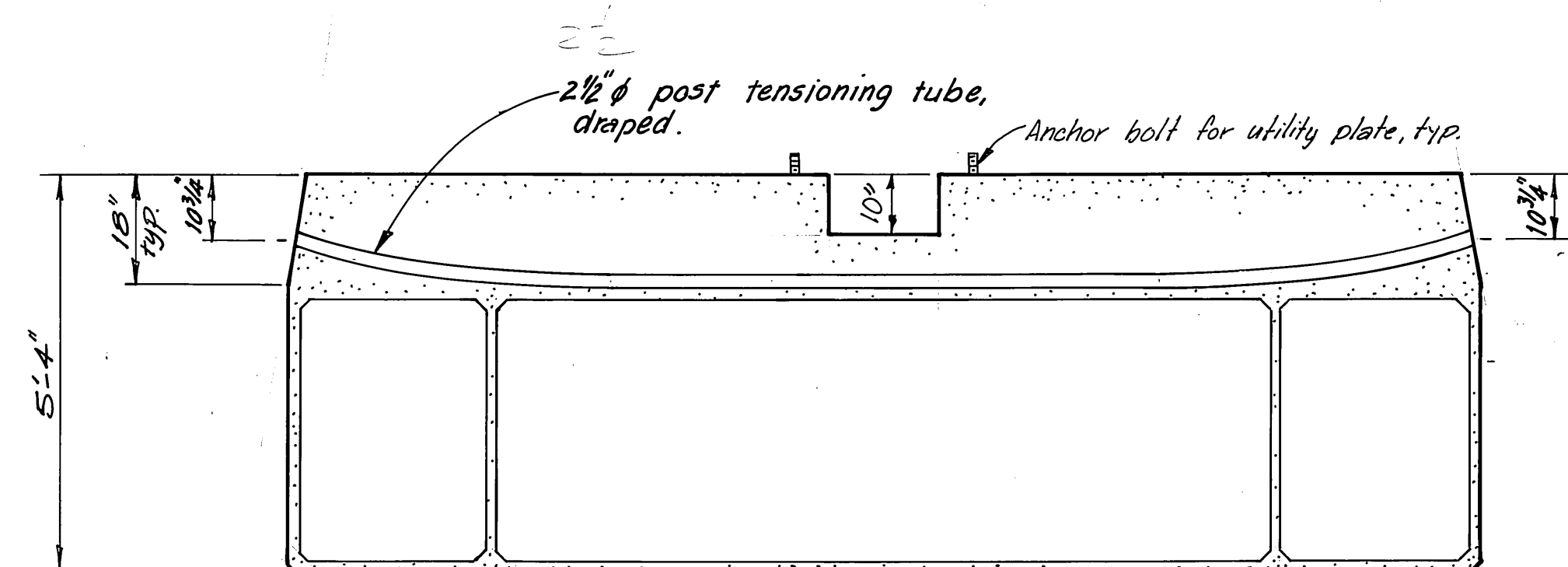


SECTION A-A

UNIT 1



PLAN



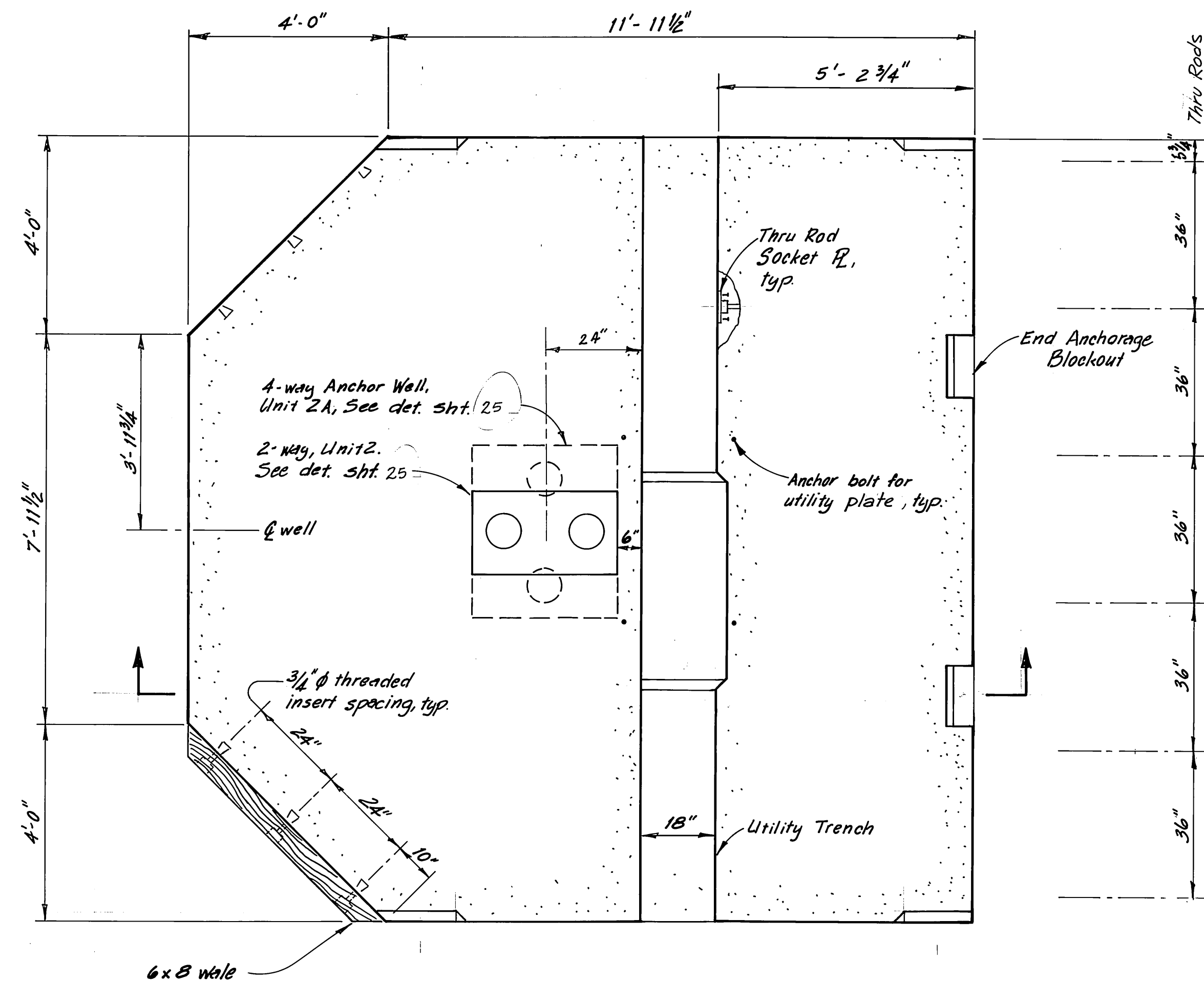
SECTION B-B

UNIT 3

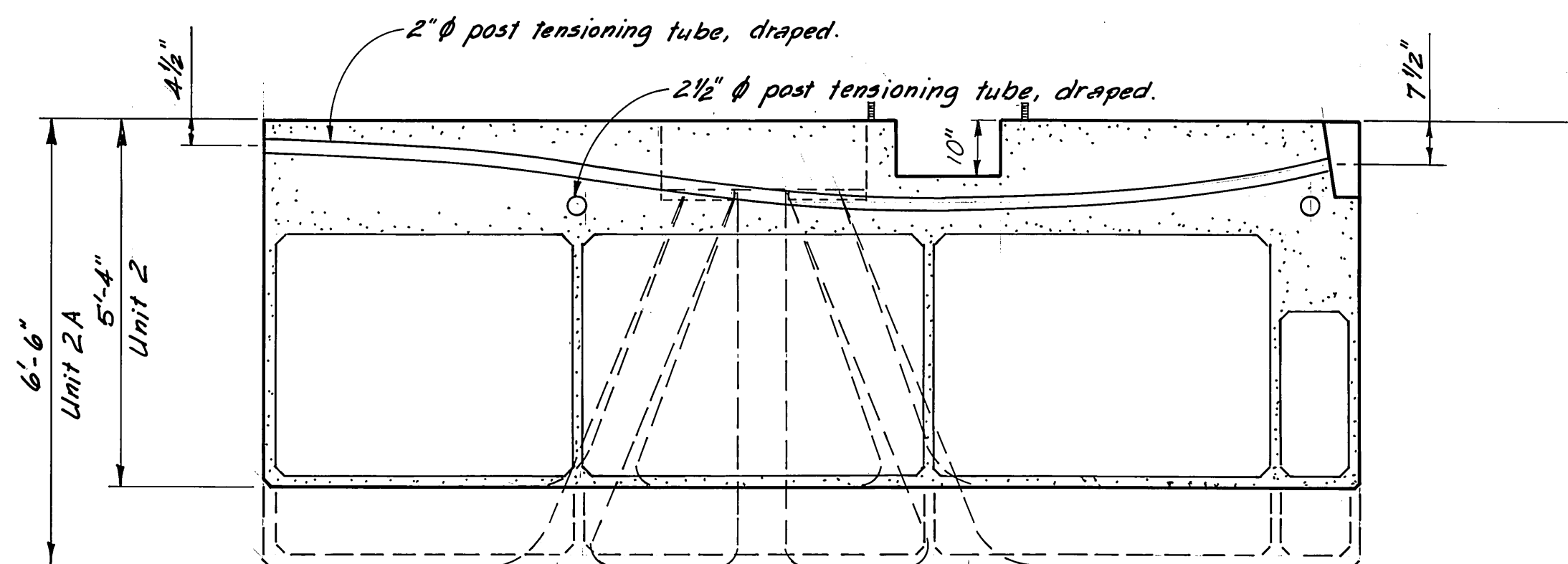
NOTE: All dimensions are subject to minor variations.

M.H.
10/3/87

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DESIGN AND CONSTRUCTION	
		Auke Bay Alaska	
UNIT 1 & 3 AS FABRICATED			
SCALE: 1/2" = 1'-0"	SURVEYED	APPROVED	
DESIGNED: JDB	DRAWN: DB		
CHECKED: JDB	DATE: 11-85		
PROJECT NUMBER 67664, 67016, 67106		SHEET 13 OF 49	

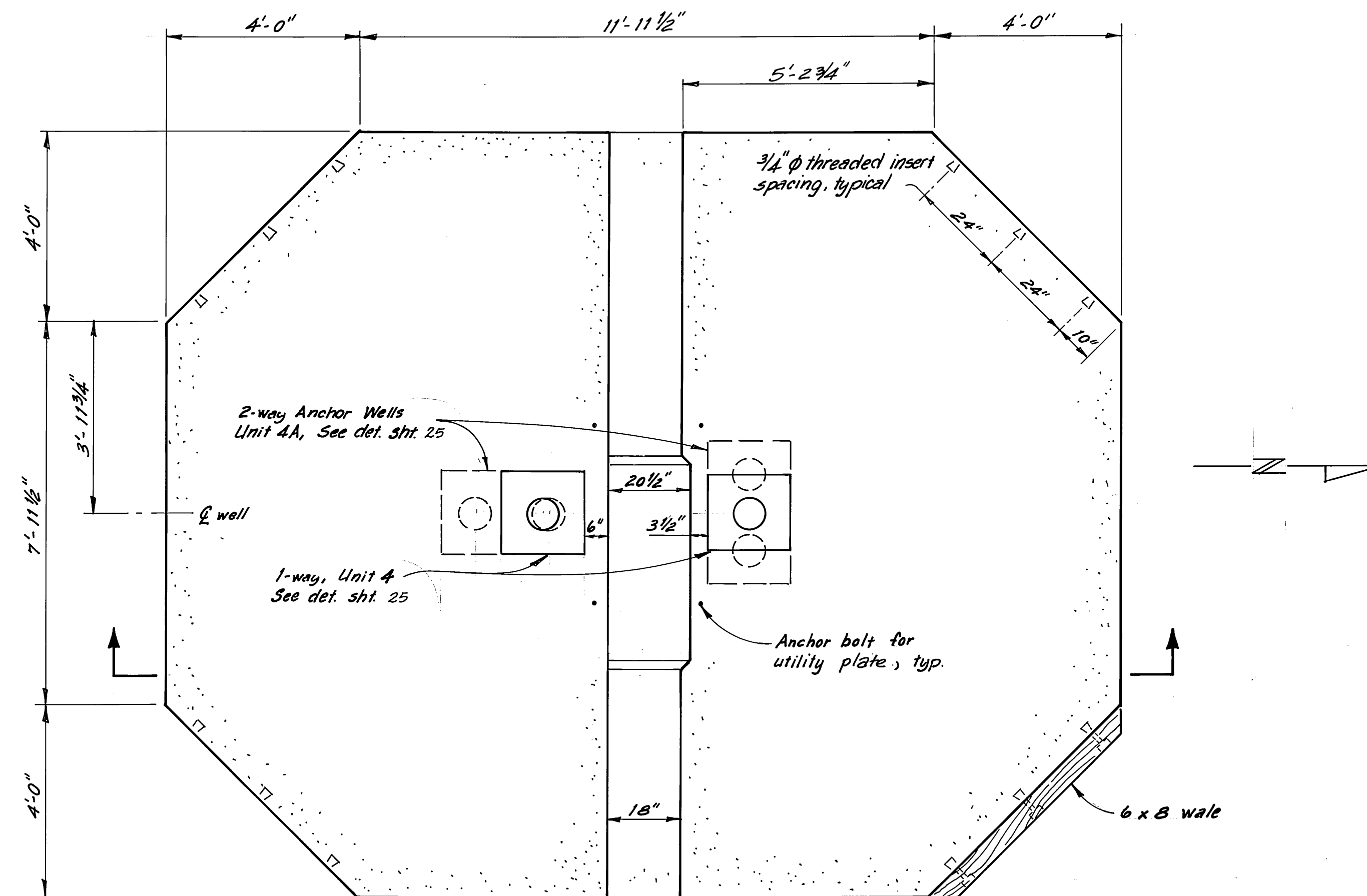


PLAN

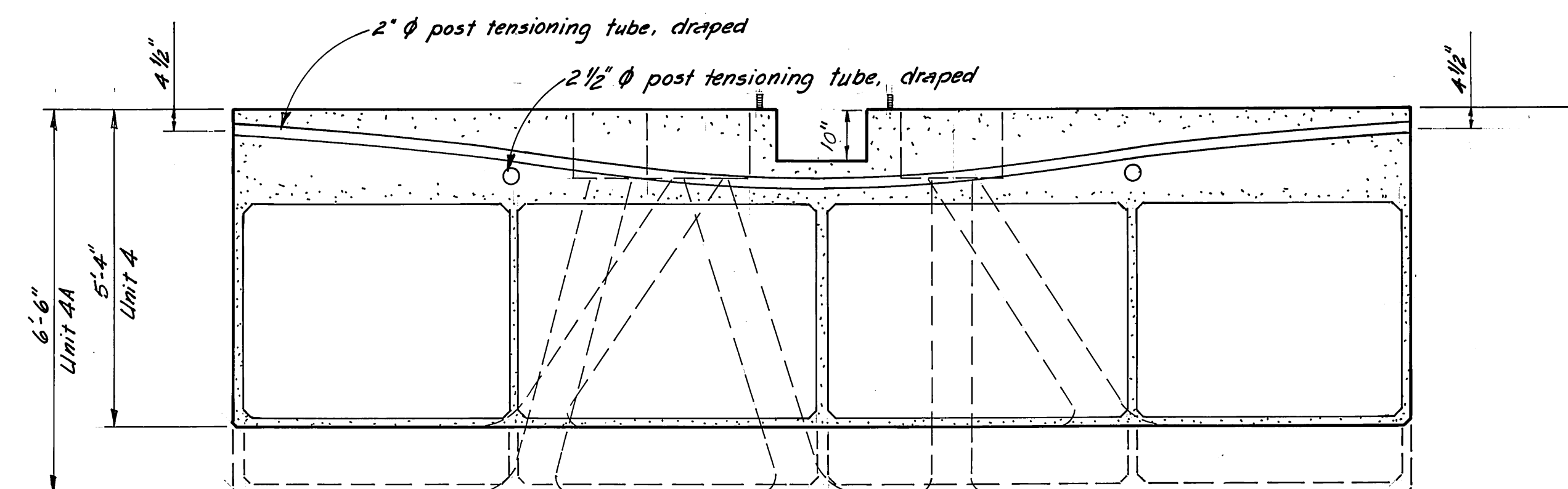


SECTION

UNITS 2 & 2A



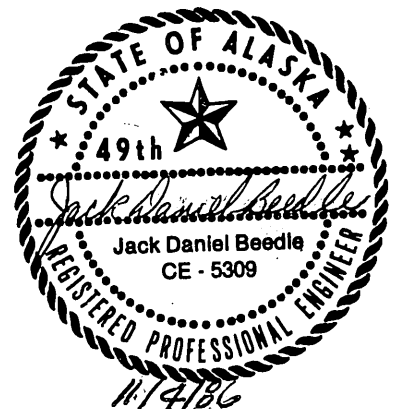
PLAN



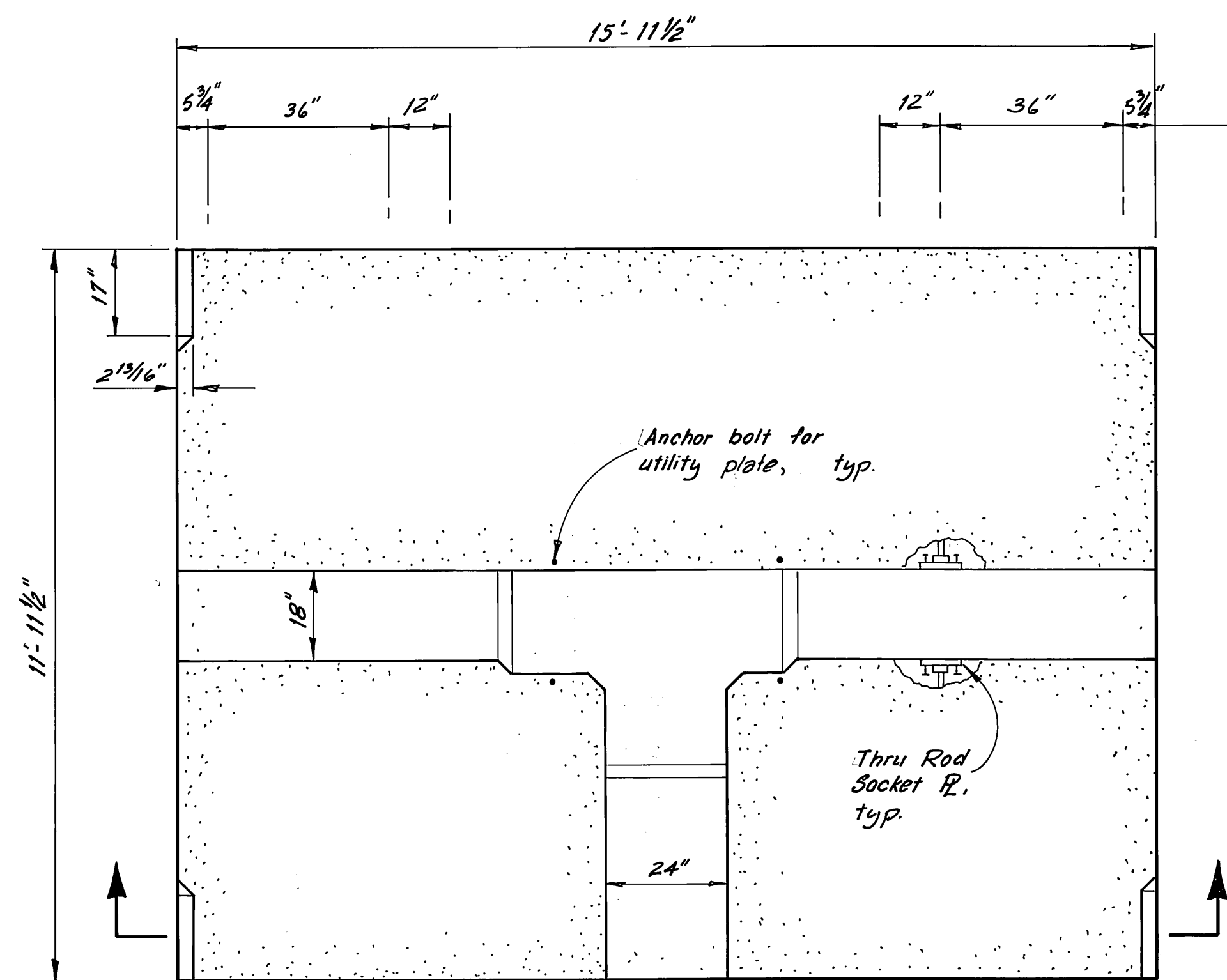
SECTION

UNITS 4 & 4A

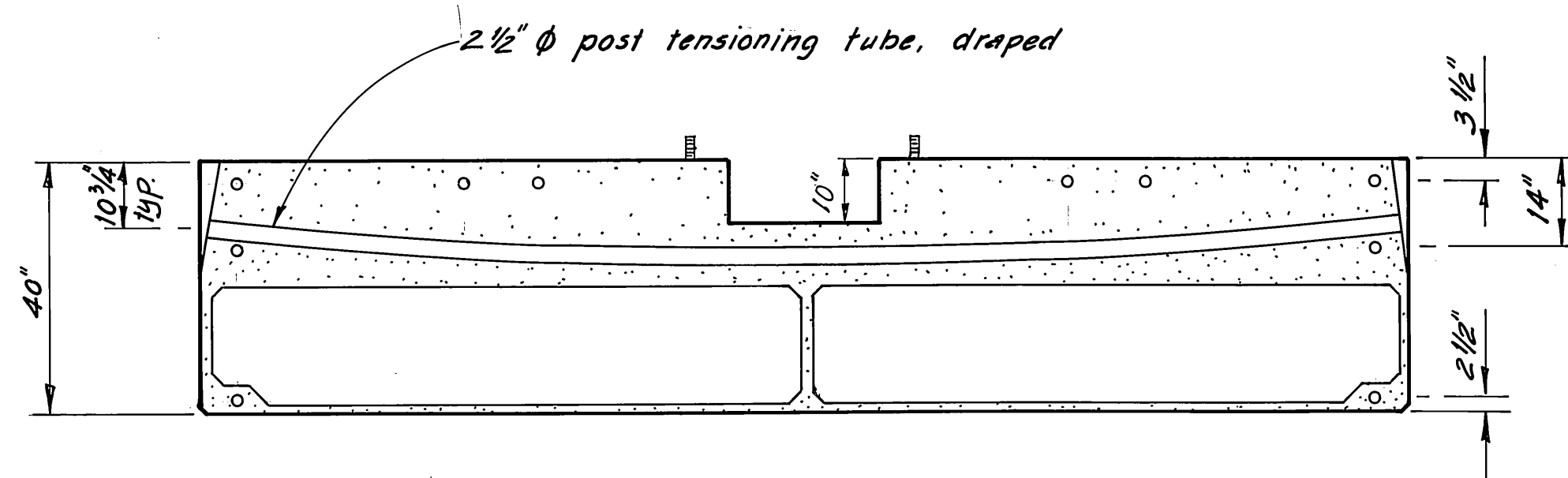
NOTE: Dimensions shown are subject to minor variations.

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DESIGN AND CONSTRUCTION	
		Auke Bay Alaska	
SCALE 1/2" = 1'-0"		UNITS 2, 2A, 4 & 4A AS FABRICATED	
DESIGNED JDB	SURVEYED	APPROVED	
CHECKED	DRAWN DB	DATE	
PROJECT NUMBER 67664, 67016, 67106		SHEET 14 OF 49	

M.H.
10/3/87

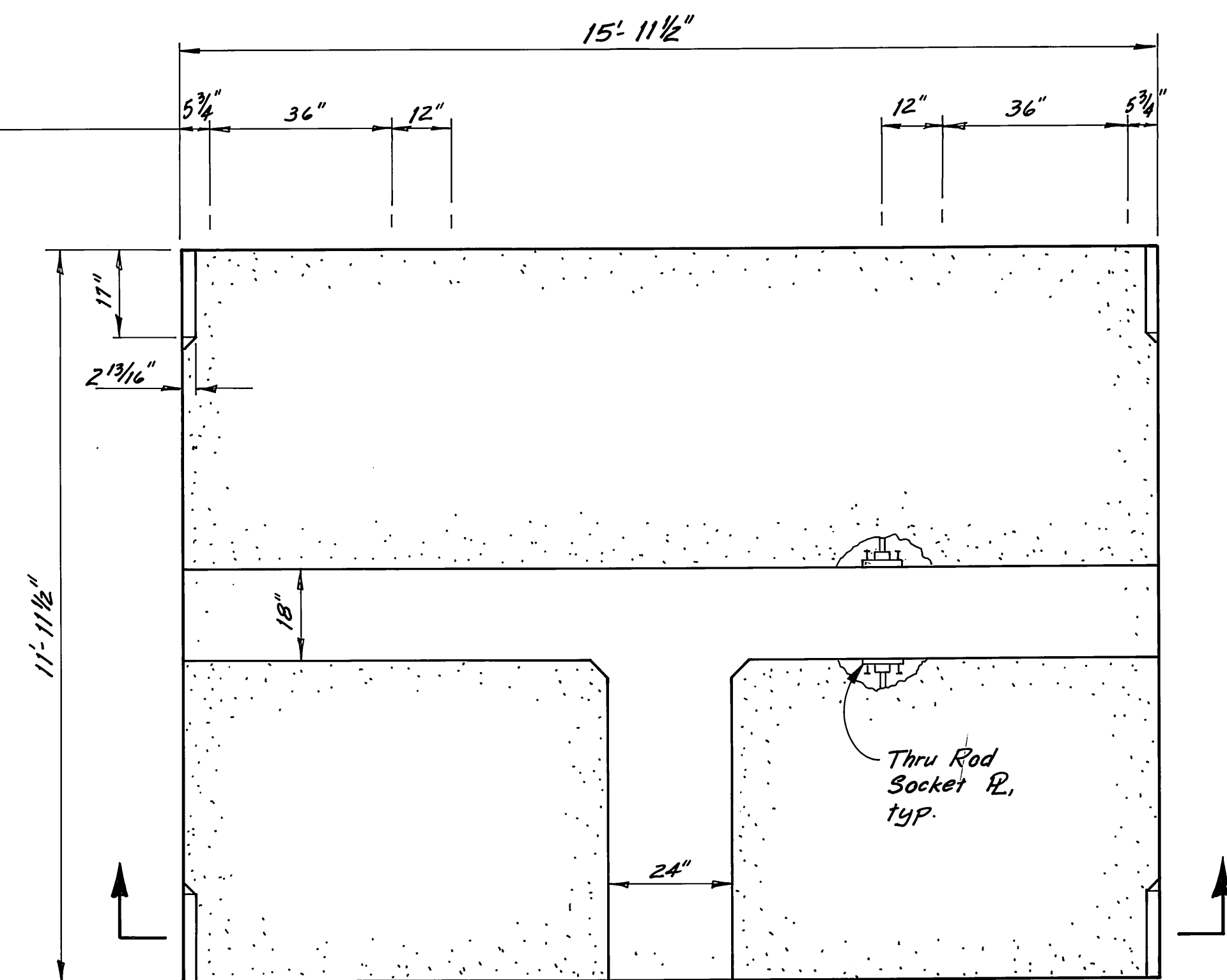


PLAN

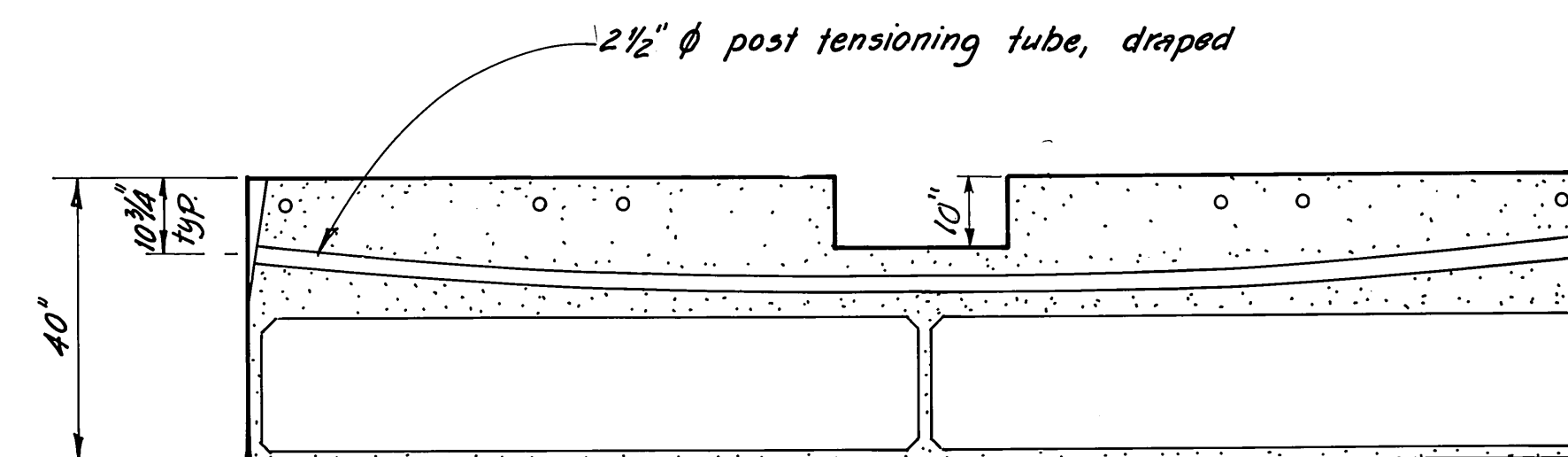


SECTION

UNIT 5



PLAN

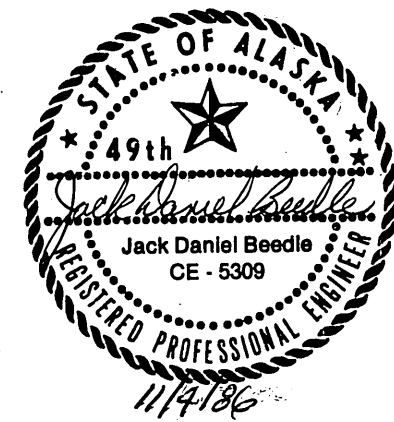


SECTION

UNIT 5A

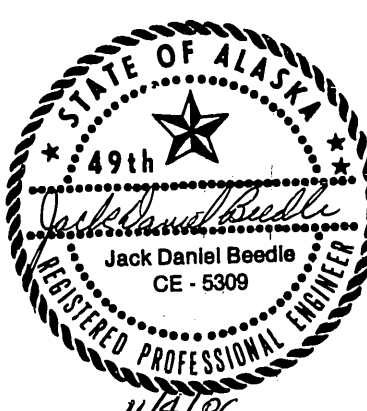
NOTE: Dimensions shown are subject to minor variations.

M.H.
10/3/87

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DESIGN AND CONSTRUCTION	
		Auke Bay Alaska	
		UNITS 5 & 5A AS FABRICATED	
SCALE: 1/2" = 1'-0"	SURVEYED	APPROVED	
DESIGNED: JDB	DRAWN: DB		
CHECKED: J	DATE: 11-85		
PROJECT NUMBER: 67664, 679016, 67906	SHEET 15 OF 49		

* See Float Unit Layout for locations.

NOTE: Dimensions shown are subject to minor variation.

STAMP	DO NOT SCALE THIS DRAWING — USE DIMENSIONS	
	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DESIGN AND CONSTRUCTION	
	<i>Auko Bay</i> <i>Alaska</i> <i>UNIT 6 & SPECIAL END UNIT FLOATS</i> <i>AS FABRICATED</i>	
	SCALE <i>As Noted</i> DESIGNED <i>JDB</i> CHECKED <i>J</i>	SURVEYED _____ DRAWN <i>DB/DM</i> DATE <i>11-85</i>
PROJECT NUMBER <i>67664, 67066, 67906</i>		SHEET <i>16</i> OF <i>49</i>

To Be Attached:

Tie down rail & wale typ. both sides

 $\frac{3}{4}$ " econ. hd. bolt

8"x8" tie down rail

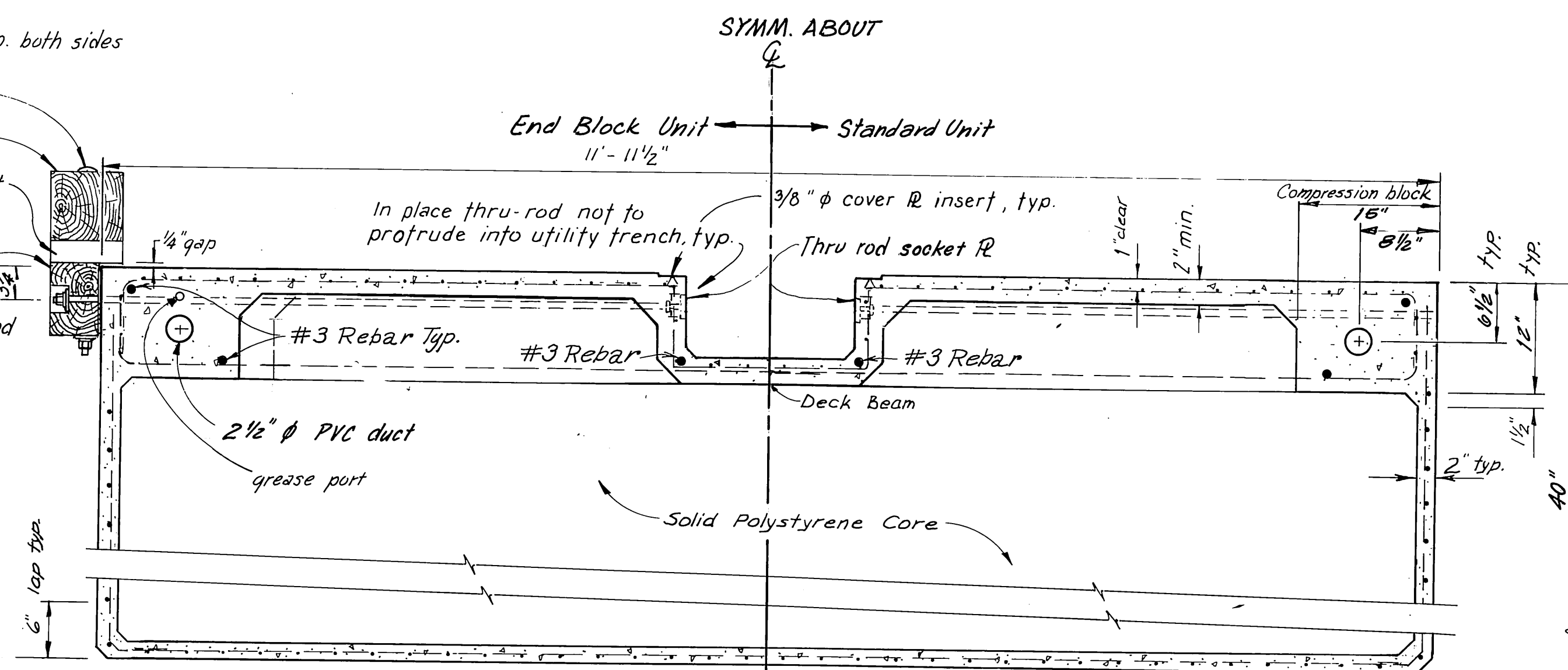
4"x8"x1'-0" blocking @ bolt

6"x8" wale w/ 3" C-bore

for thru rod, nut &

M1 washer

E thru rod

**SECTION A**

1"=1'-0"

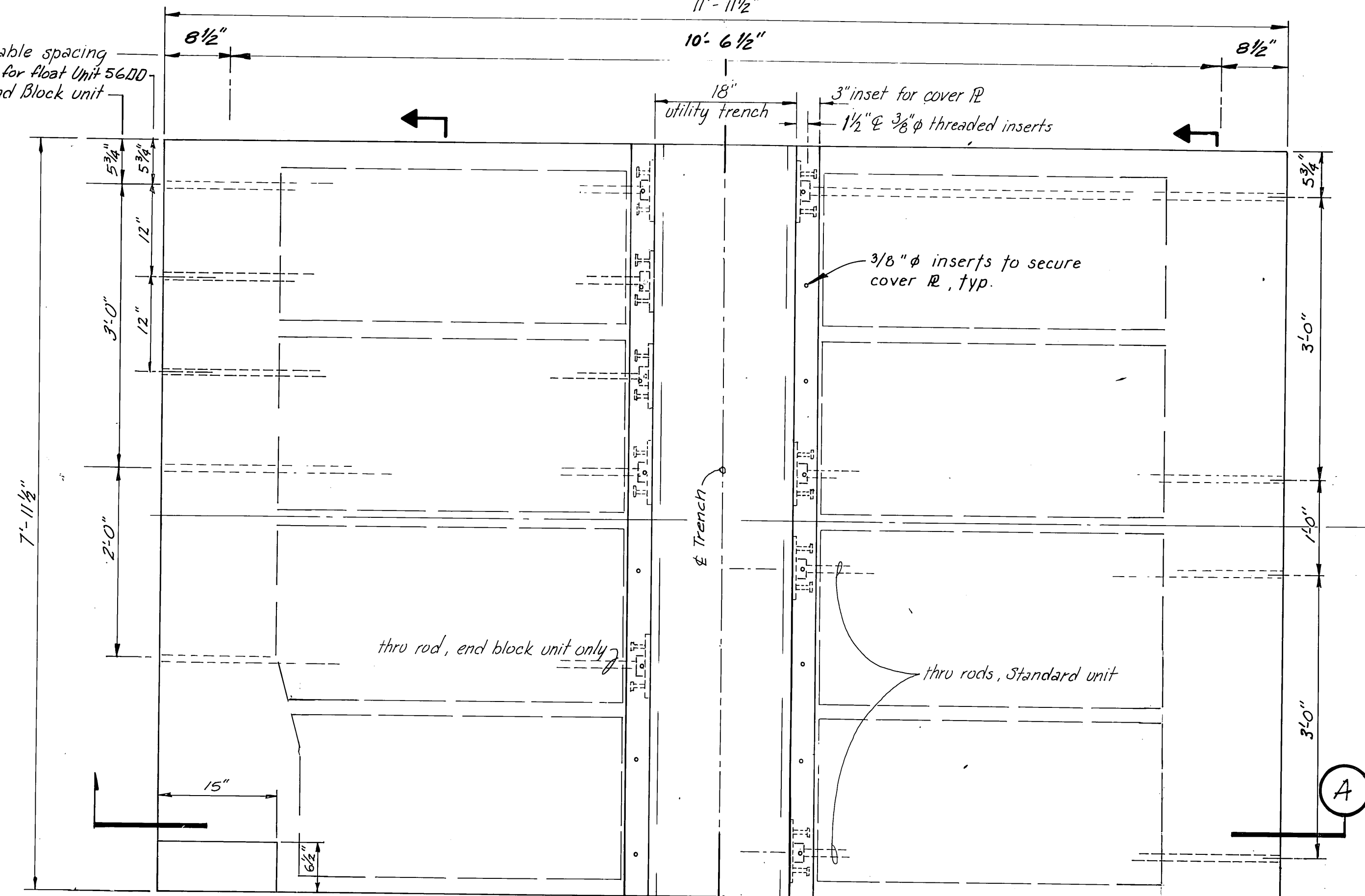
SYMM. ABOUT

End Block Unit Standard Unit
11'-11 1/2"

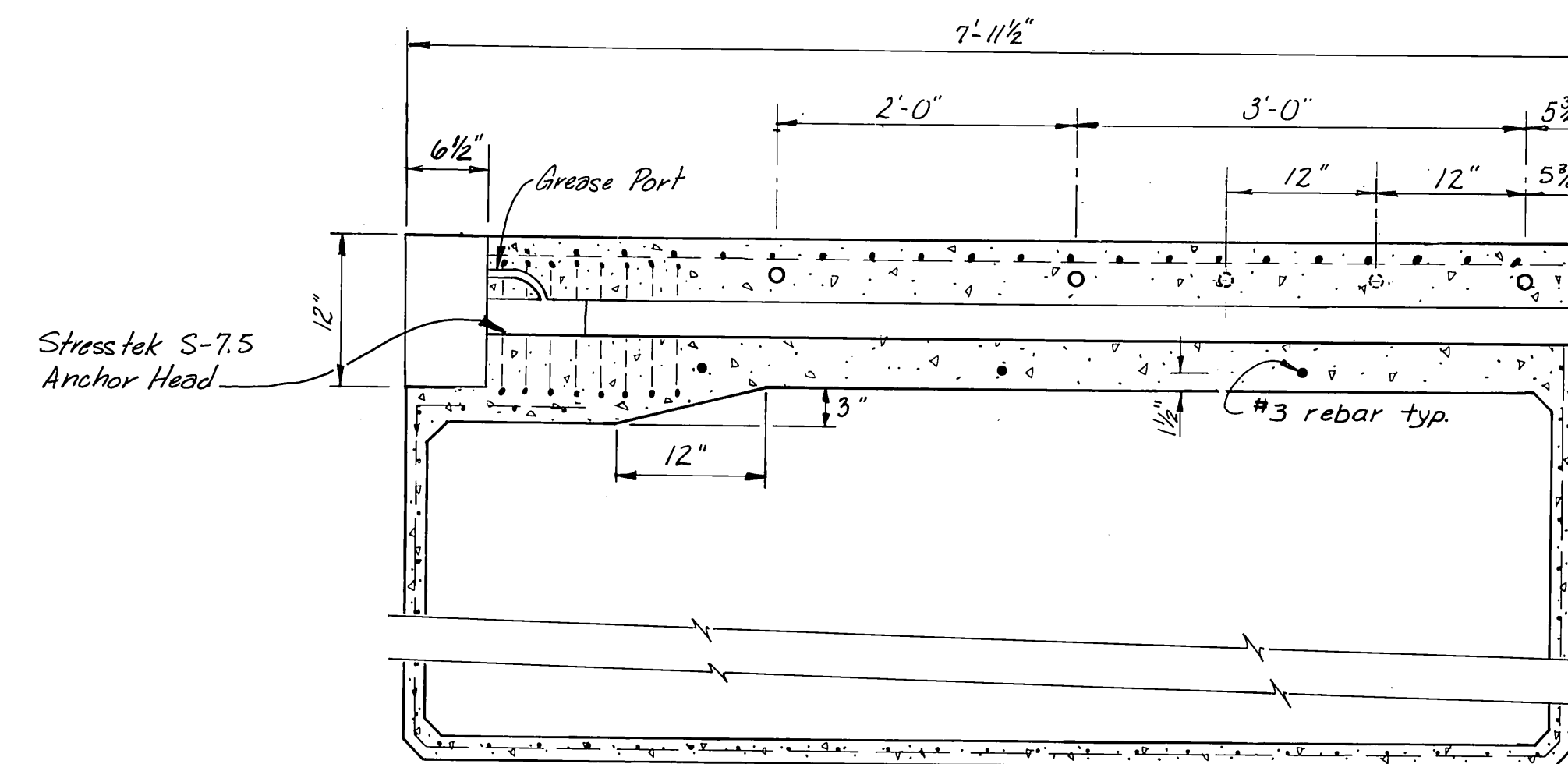
Main post tension cable spacing

2 extra thru rods provided for float Unit 56DD

Location thru rod, End Block unit

**PLAN****8x12 POST TENSIONED FLOAT UNIT**

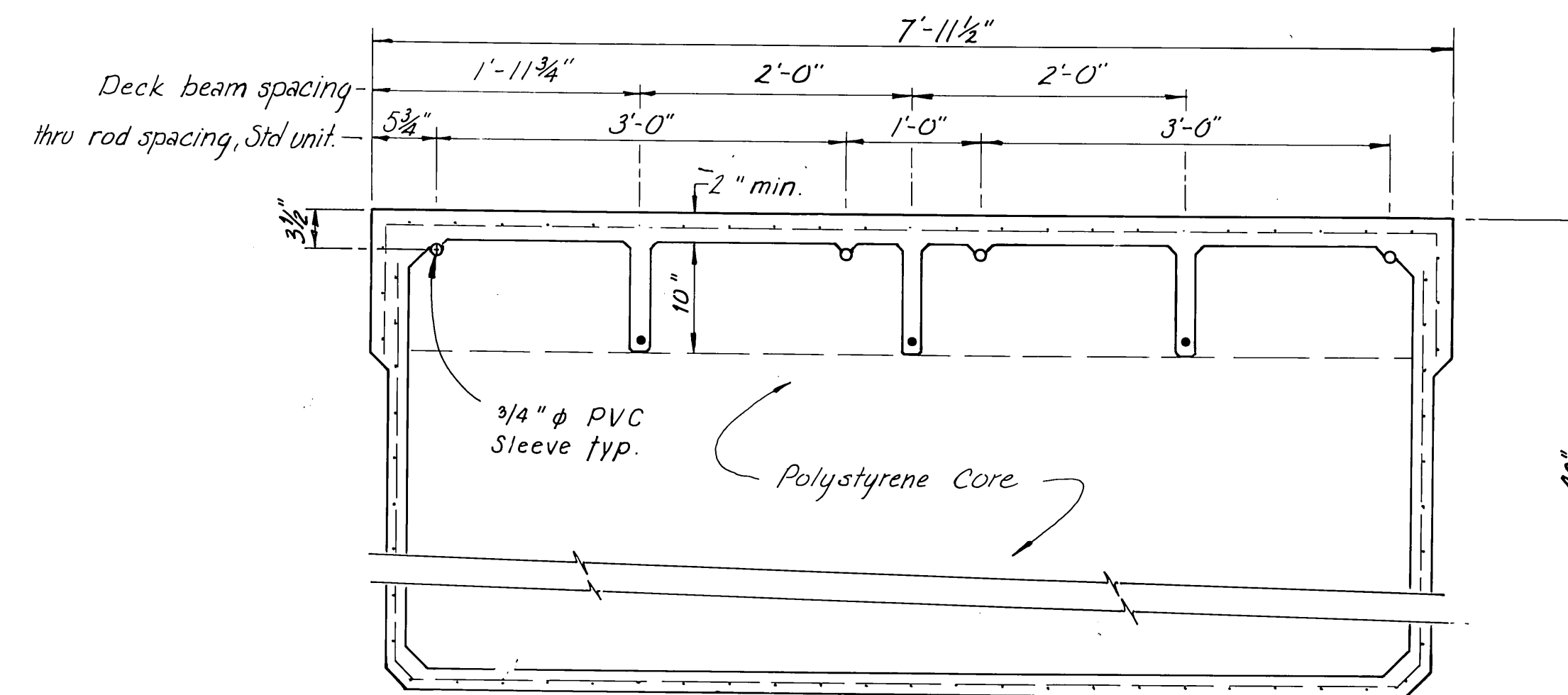
1"=1'-0"

**SECTION B (END BLOCK UNIT)**

1"=1'-0"

thru rod spacing, End block unit.

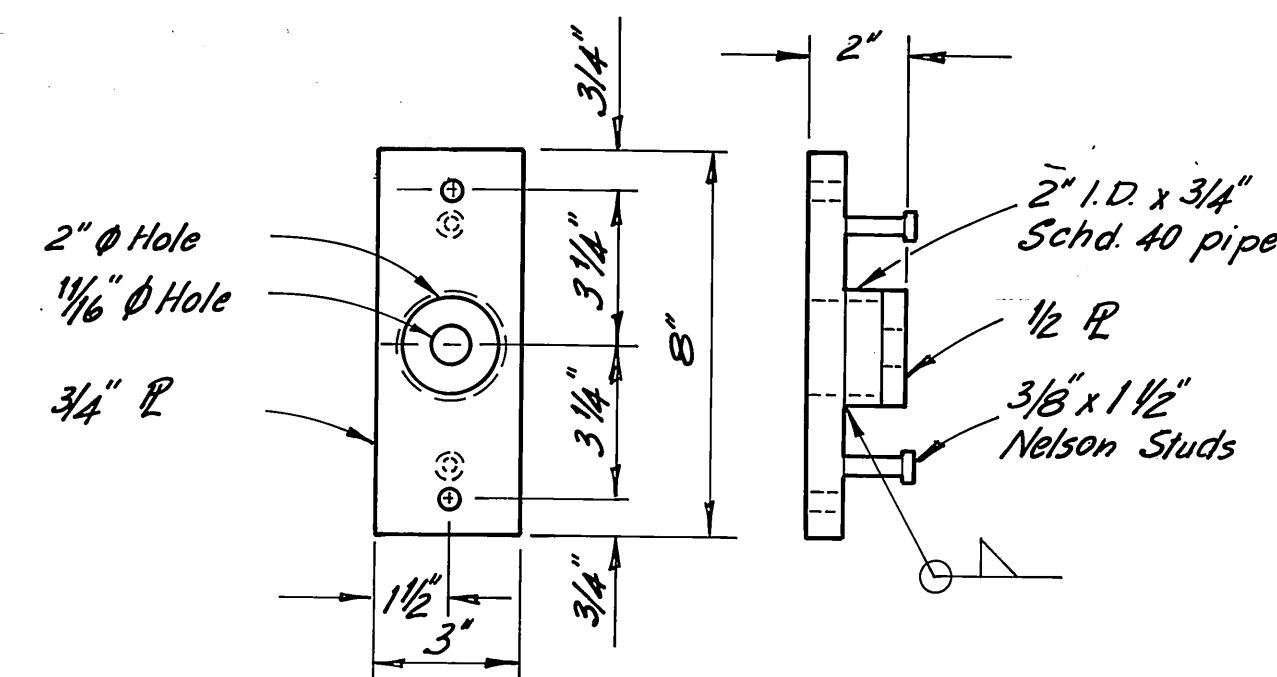
2 Extra thru rod. tubes provided for float Unit 56DD (see sht. 10)

**SECTION C (STANDARD UNIT)**

1"=1'-0"

Notes:

- End block knockouts to be grouted flush with end of float after completion of tensioning.
- Size and location of utility trench is different for the Coast Guard float.
- Intermediate grease port access and vent reliefs have been provided to allow injection of lubricant around tensioning strands. See locations sht. 11 & 12.
- 15 Units with an offset trench for USCG float, see sht. 13. Unit 1 dimensions for aligning trench.

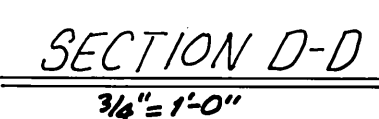
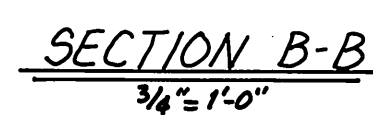
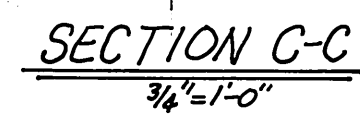
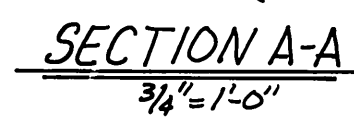
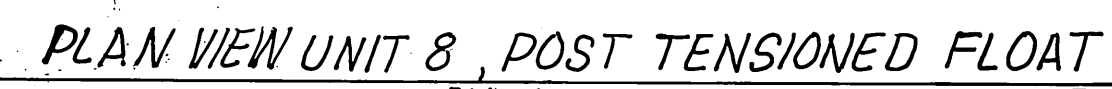
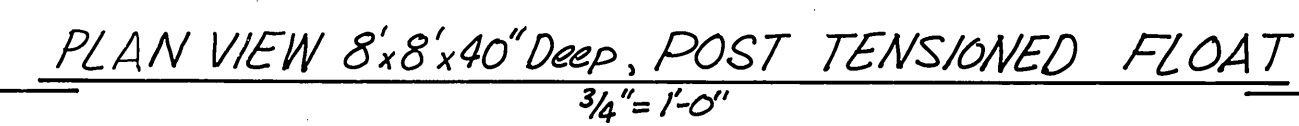
**THRU ROD SOCKET R**

3"=1'-0"

M.H.


10/3/87

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DESIGN AND CONSTRUCTION	
		Auke Bay Alaska TYPICAL 8x12 POST TENSIONED FLOAT UNIT AS FABRICATED	
SCALE: As Shown	SURVEYED: JDB	APPROVED:	
DESIGNED: JDB	DRAWN: RJT/WN		
CHECKED: JDB	DATE: 11-85		
PROJECT NUMBER: 676CA, 690V6, 69106		SHEET: 17	OF: 49

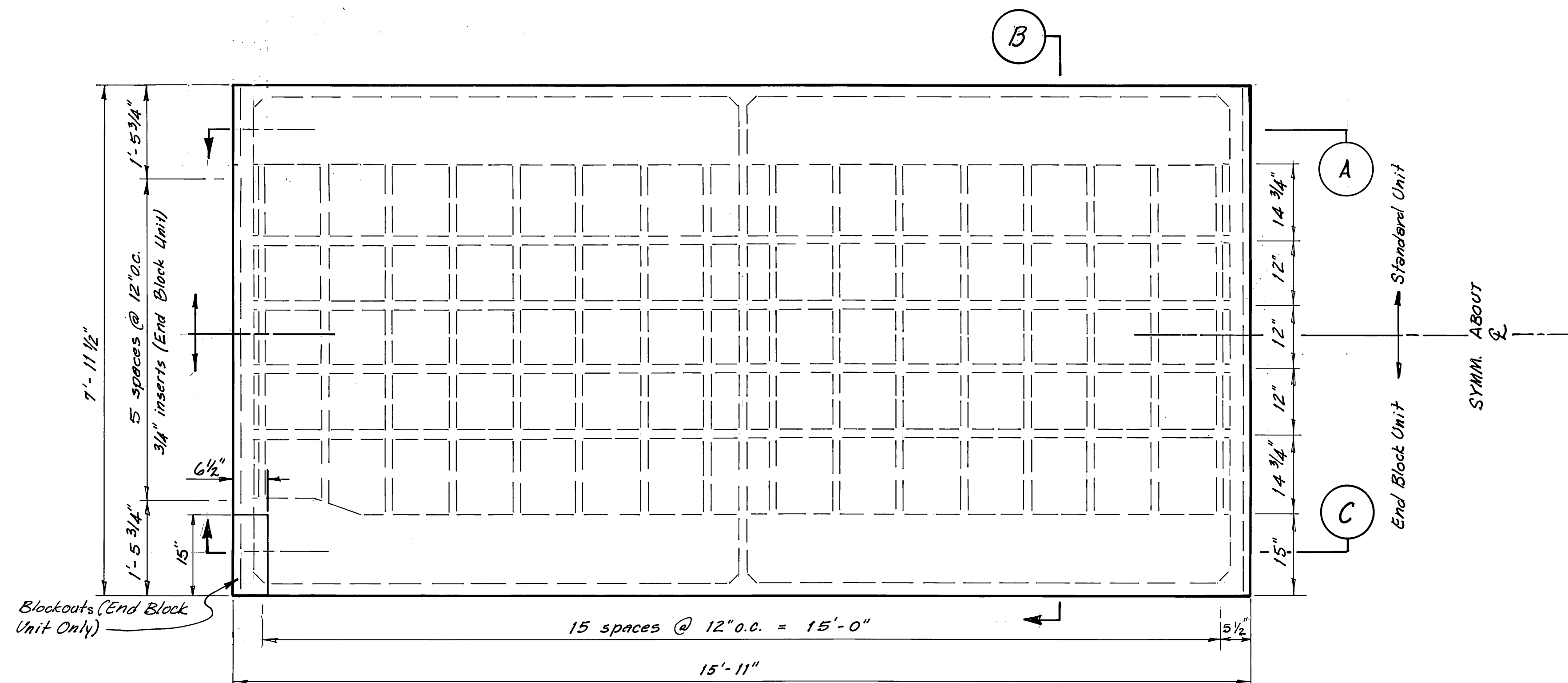


Note: 2"x2" W1.4xW1.4
Galv. WWM (full cage)
not shown.

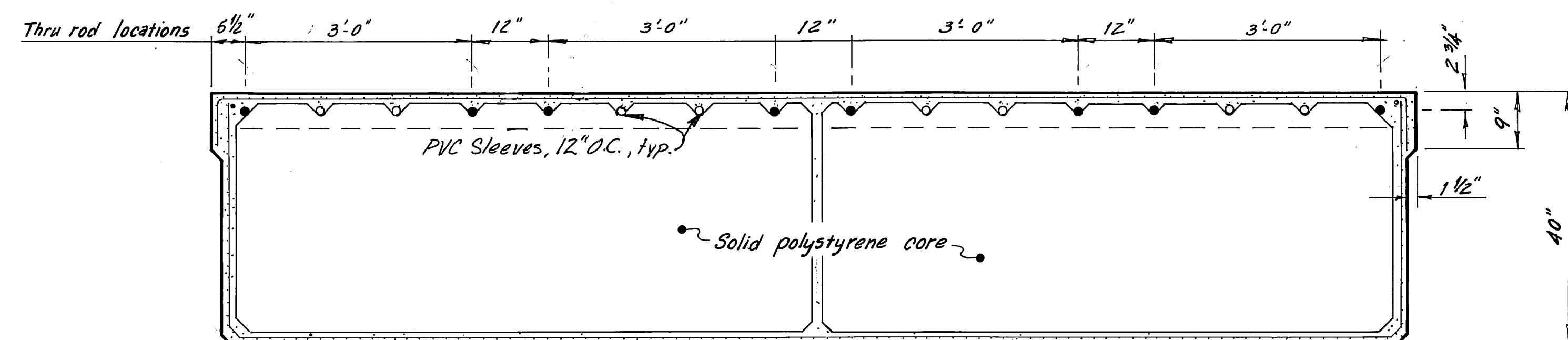
NOTE: Dimensions shown are subject to minor variations.

<p>STAMP</p>  <p>11/4/86</p>	<p>DO NOT SCALE THIS DRAWING — USE DIMENSIONS</p> <p>STATE OF ALASKA</p> <p>DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES</p> <p><i>Auke Bay</i> <i>Alaska</i></p> <p style="text-align: center;"><i>AS FABRICATED</i></p> <p style="text-align: center;"><i>8'x8' UNIT & UNIT 8 DETAILS</i></p> <table border="1" style="width: 100%;"> <tr> <td>DESIGNED <i>JDB</i></td> <td>CHECKED <i>J</i></td> <td>DRAWN <i>DJM</i></td> <td>DATE <i>11-85</i></td> </tr> <tr> <td colspan="2">PROJECT NUMBER <i>67664, 67606, 67106</i></td> <td colspan="2">SHEET <i>18</i> OF <i>49</i></td> </tr> </table>	DESIGNED <i>JDB</i>	CHECKED <i>J</i>	DRAWN <i>DJM</i>	DATE <i>11-85</i>	PROJECT NUMBER <i>67664, 67606, 67106</i>		SHEET <i>18</i> OF <i>49</i>	
DESIGNED <i>JDB</i>	CHECKED <i>J</i>	DRAWN <i>DJM</i>	DATE <i>11-85</i>						
PROJECT NUMBER <i>67664, 67606, 67106</i>		SHEET <i>18</i> OF <i>49</i>							

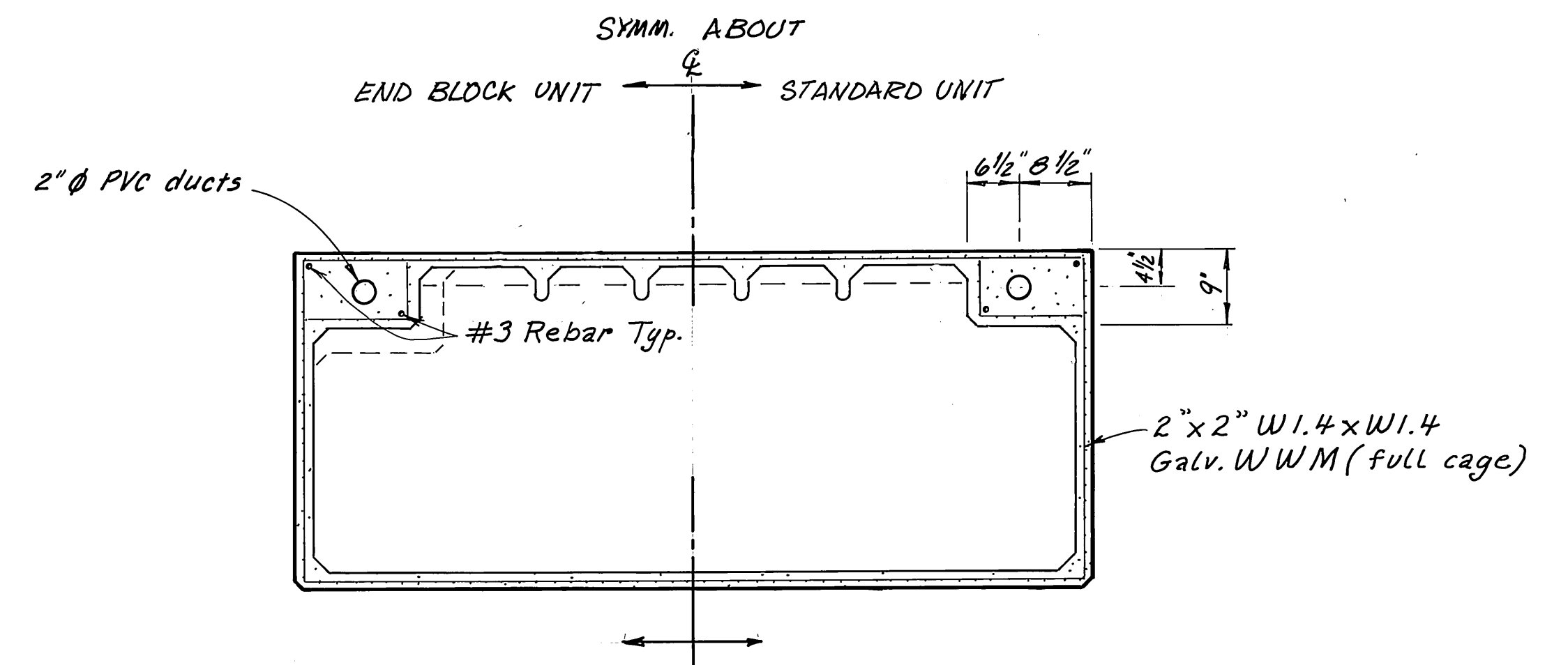
M. H.
10/3/87



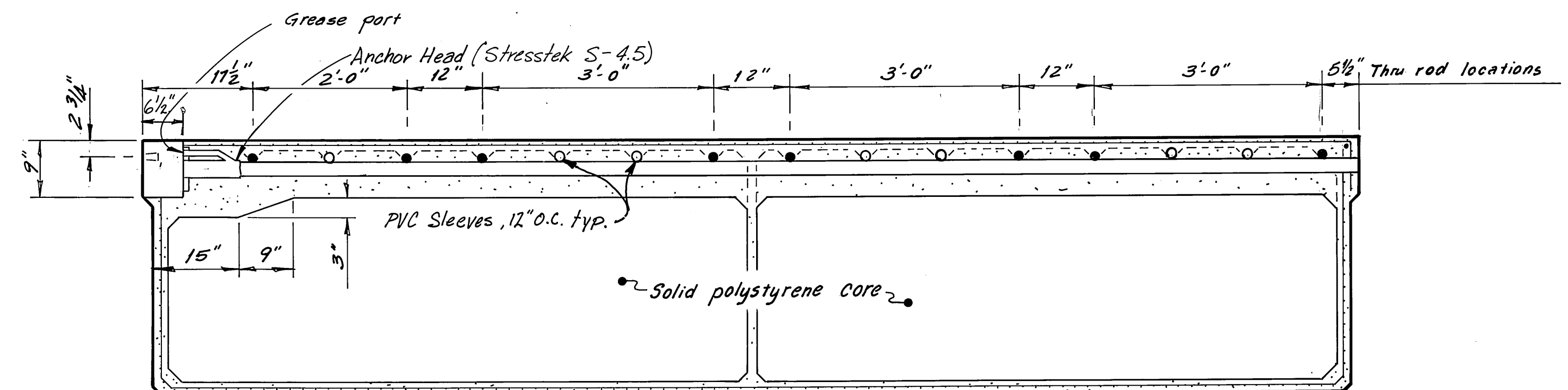
PLAN
TYPICAL 8'x16' POST TENSIONED FLOAT UNIT



SECTION A (ST'D UNIT)



SECTION B



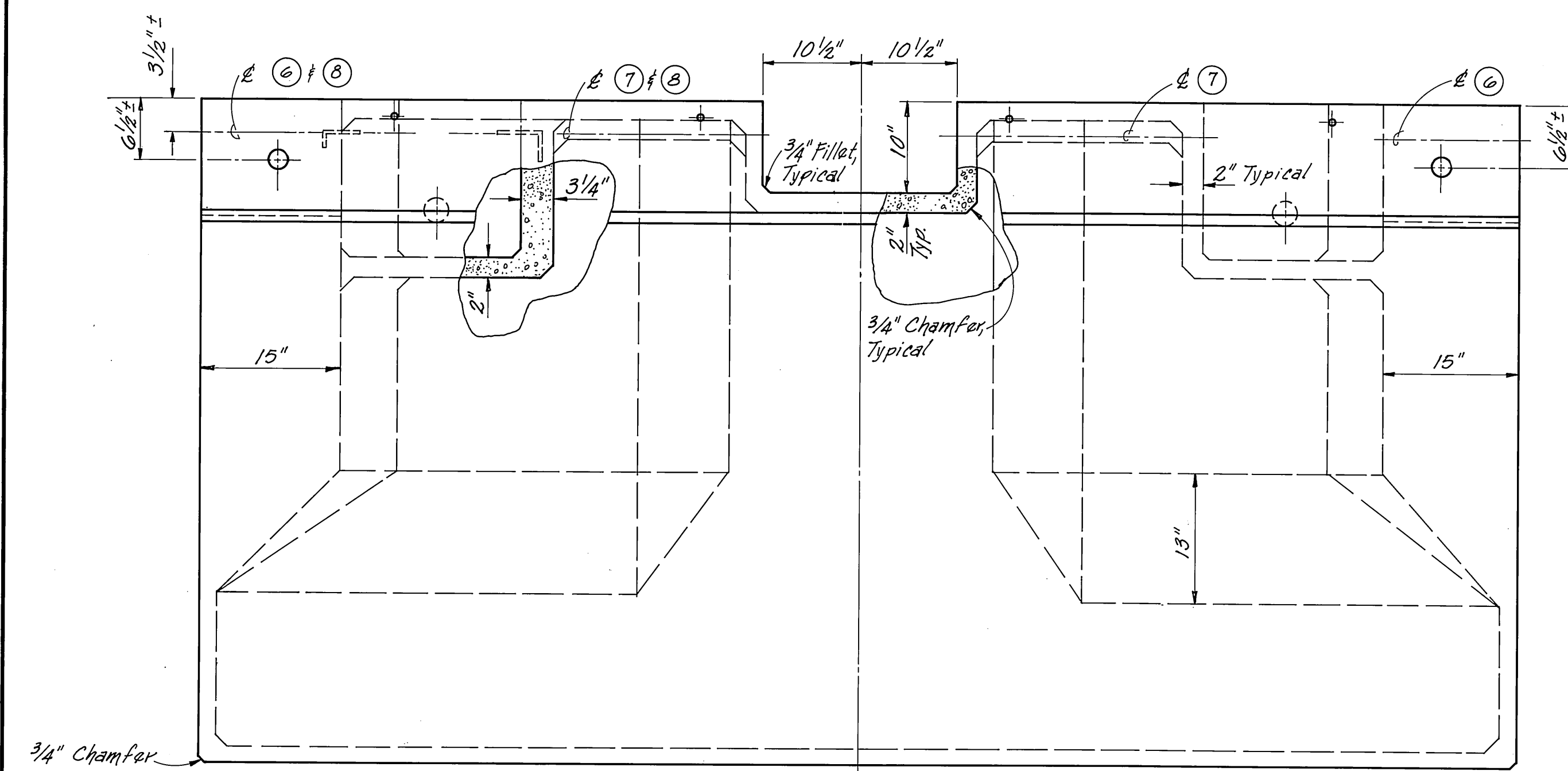
SECTION C (END BLOCK UNIT)

NOTE: Dimensions shown are subject to minor variation.

M.H.
10/3/87

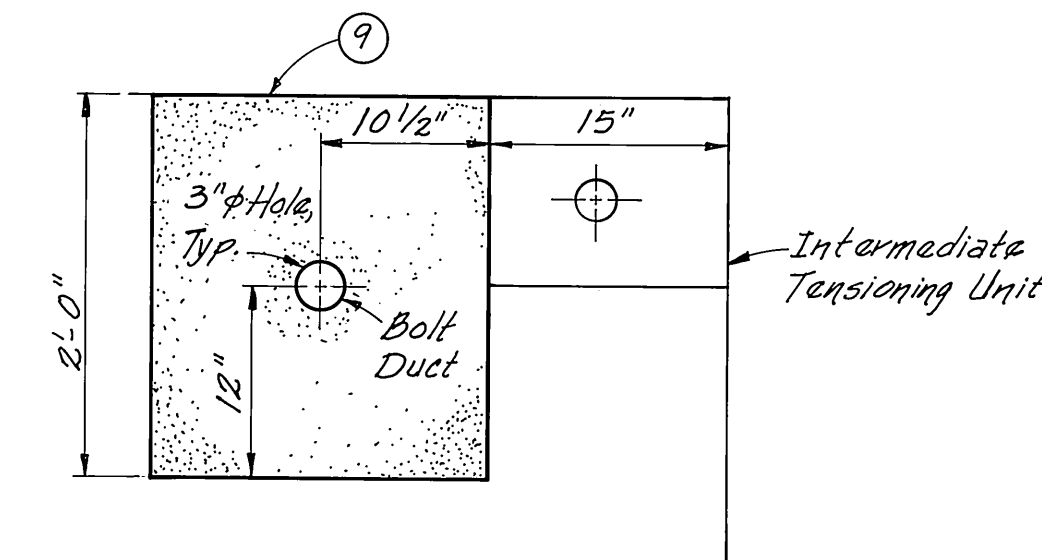
STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DESIGN AND CONSTRUCTION	
		Auke Bay, Alaska TYPICAL 8x16 POST TENSIONED FLOAT UNIT AS FABRICATED	
SCALE 3/4"=1'-0"	SURVEYED	APPROVED	
DESIGNED JDB	DRAWN DB		
CHECKED J	DATE 11-85		
PROJECT NUMBER 67664, 69016, 69106	SHEET 19 OF 49		

PLAN

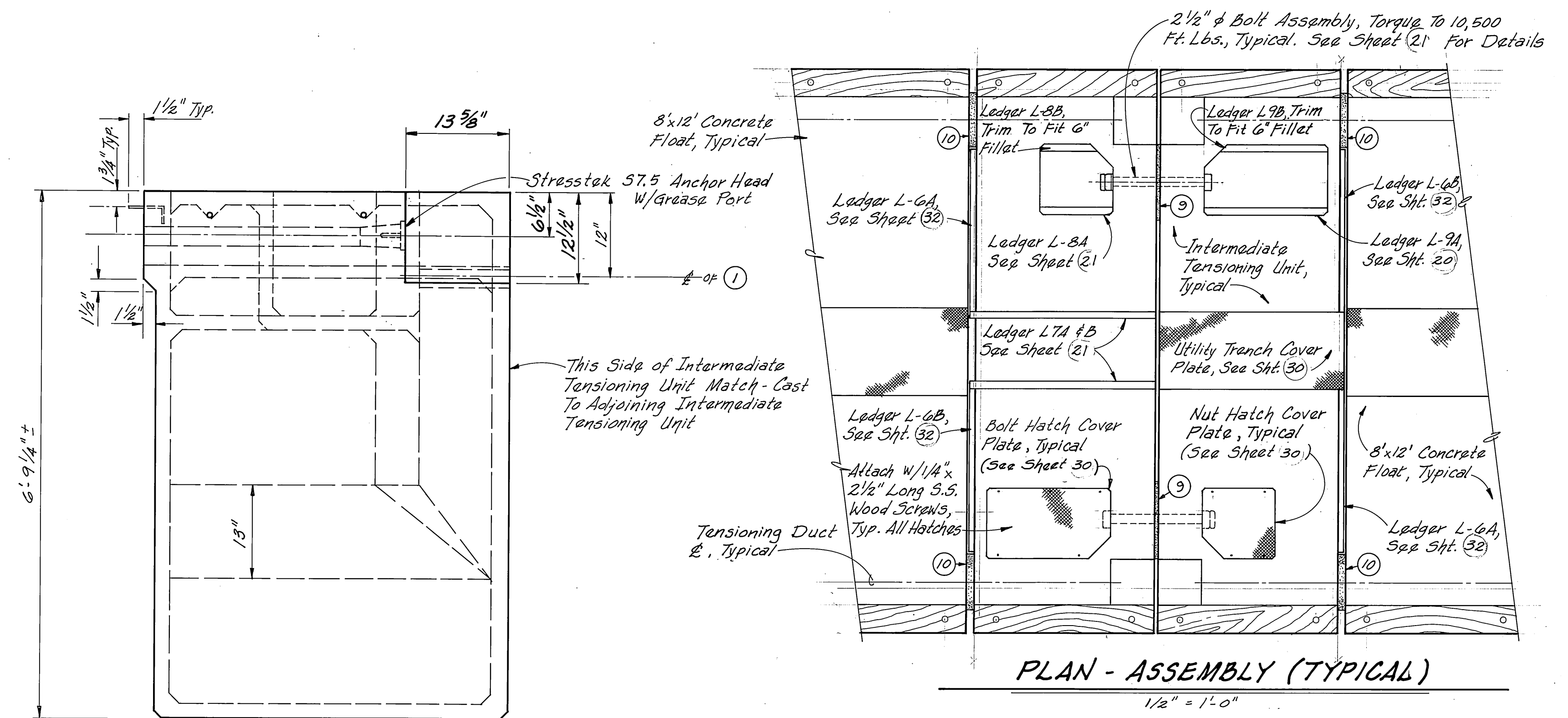
$$I'' = I' - O'$$


ELEVATION

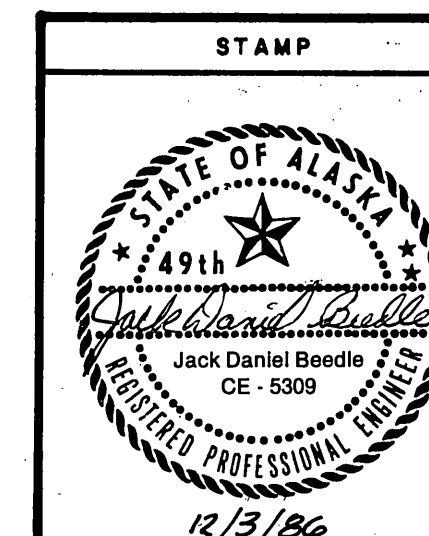
$$1'' = 1' - 0'$$

$$1'' = 1'-0''$$


CONNECTING BOLT PAD DETAIL

$$1'' = 1' - 0''$$


PLAN - ASSEMBLY (TYPICAL)

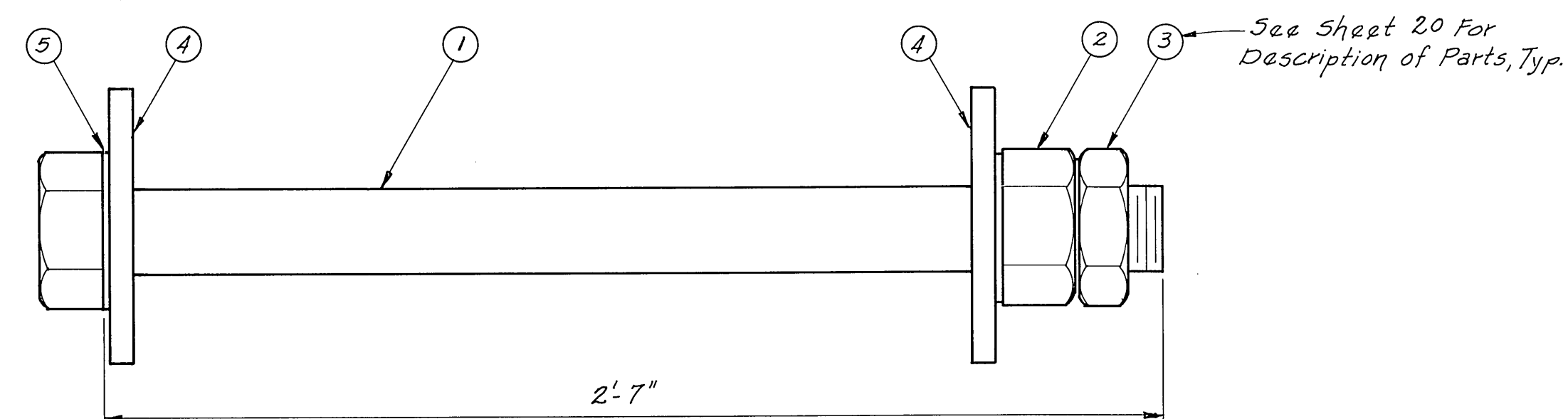
$$1/2'' = 1'-0''$$


DO NOT SCALE THIS DRAWING — USE DIMENSIONS			
STATE OF ALASKA			
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
AUK BAY		ALASKA	
INTERMEDIATE TENSIONING UNIT AS FABRICATED DETAILS (REVISION)			
DESIGNED _____	CHECKED _____	DRAWN <u>B.W.B.</u>	DATE <u>11-86</u>
PROJECT NUMBER <u>67664 69016 69106</u>		SHEET <u>20</u>	OF <u>49</u>

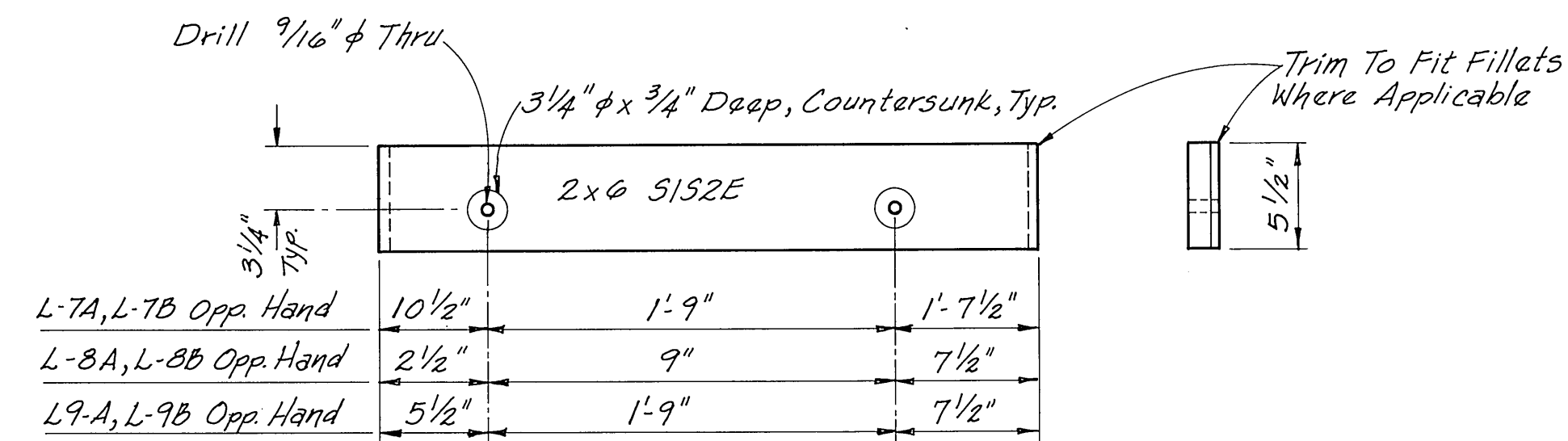
END

$$I'' = I' - O'$$

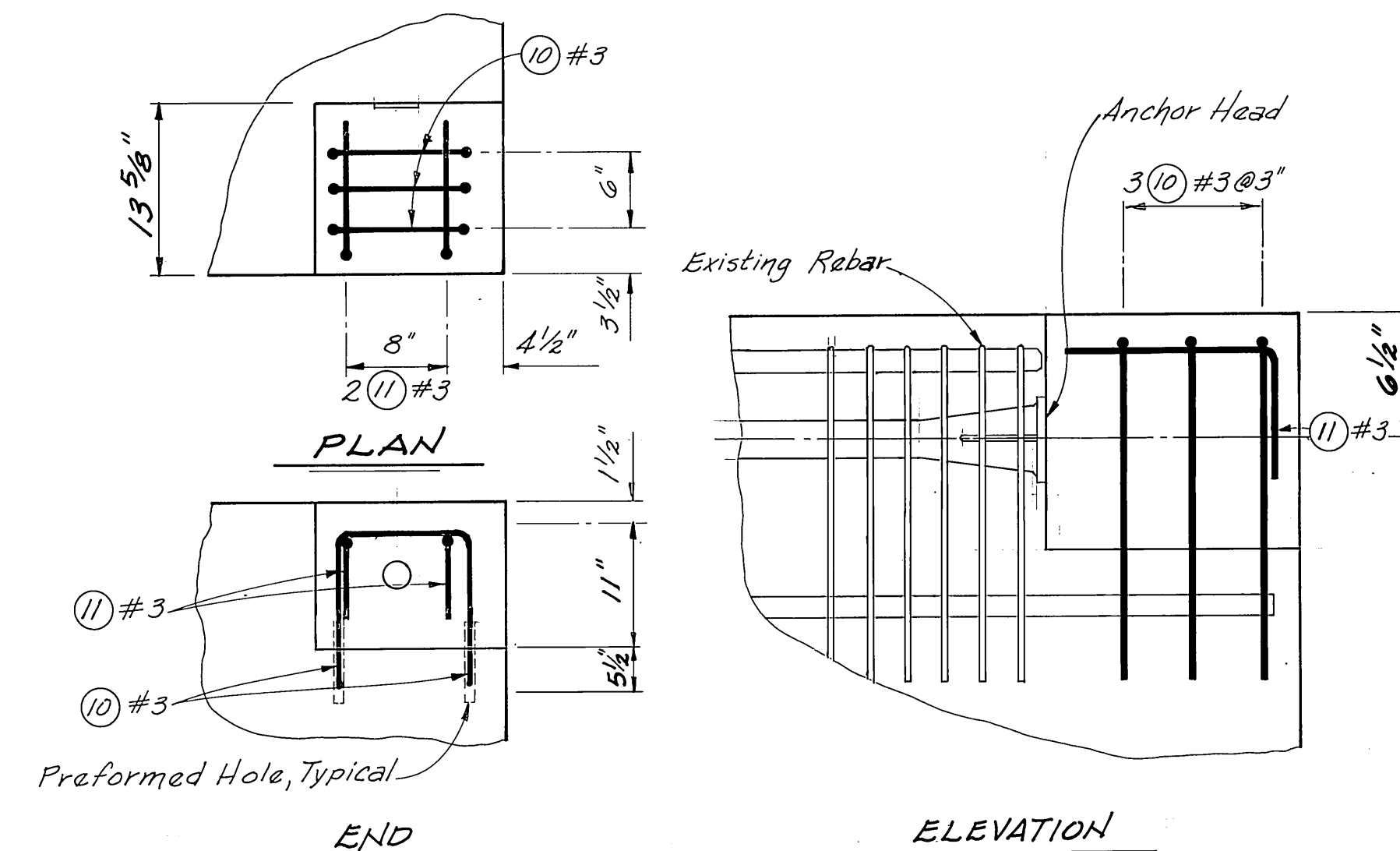
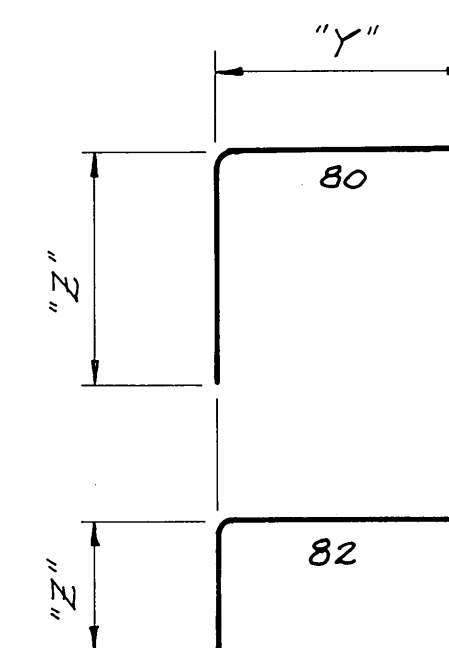
M.H.
10/3/87



2 1/2" ϕ BOLT ASSEMBLY DETAIL - 16 REQ'D.

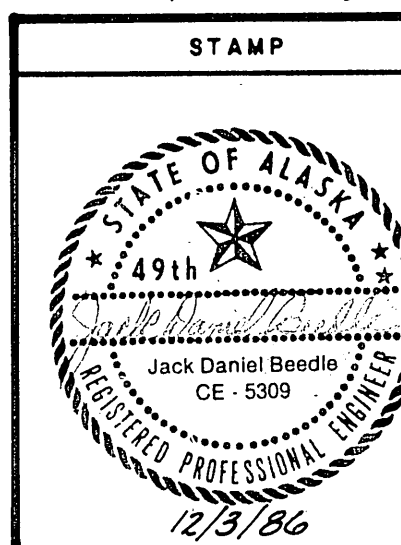


LEDGER DETAILS - 16 SETS REQ'D.

[illegible]

RECESSED CORNER DETAILS

Reinforcing Bars (10) & (11) To Be Provided By The State of Alaska
And Installed By The Contractor After Tensioning Is Complete.



DO NOT SCALE THIS DRAWING - USE DIMENSIONS

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

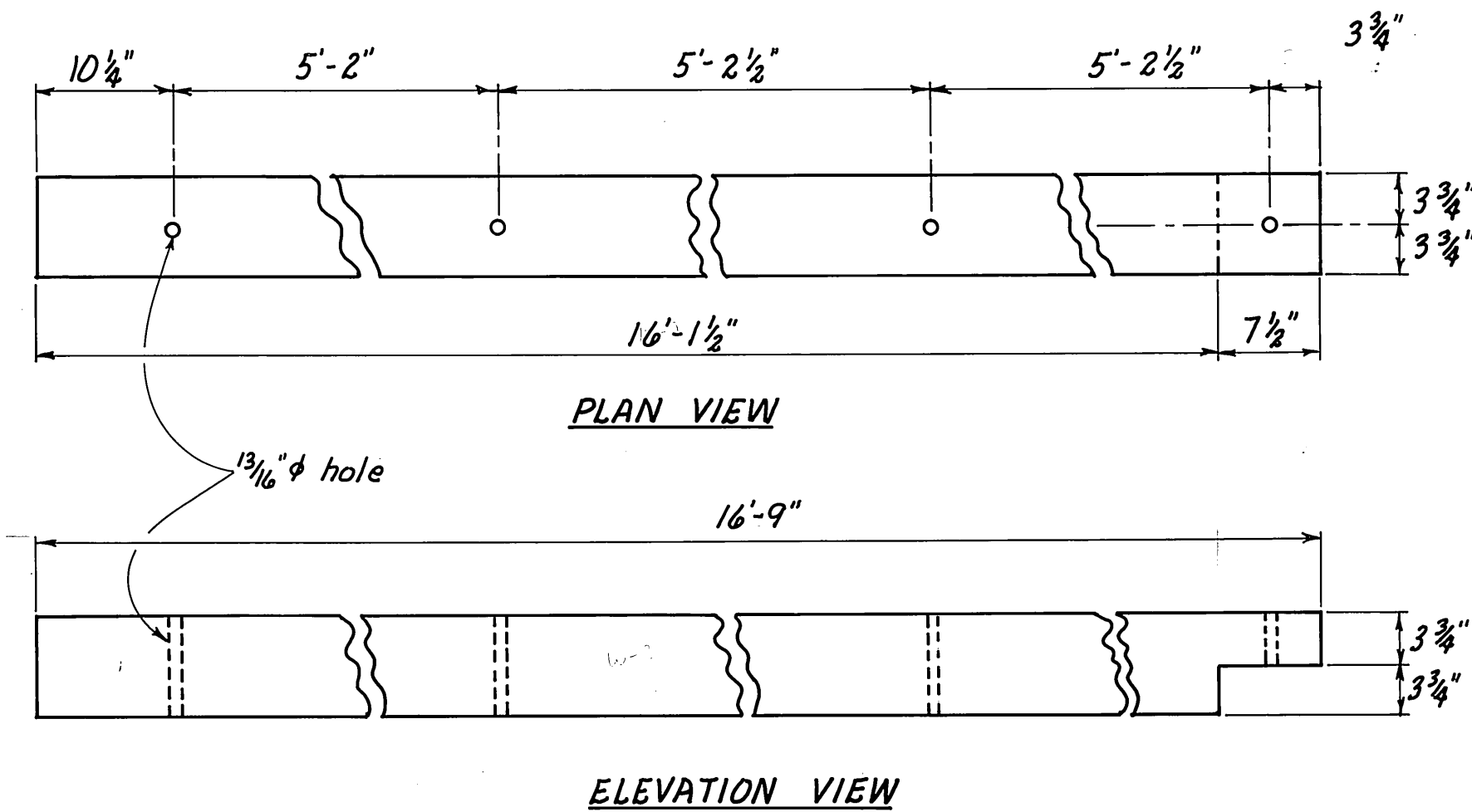
Auke Bay Alaska

INTERMEDIATE TENSIONING UNIT
AND MISCELLANEOUS DETAILS (REVISION

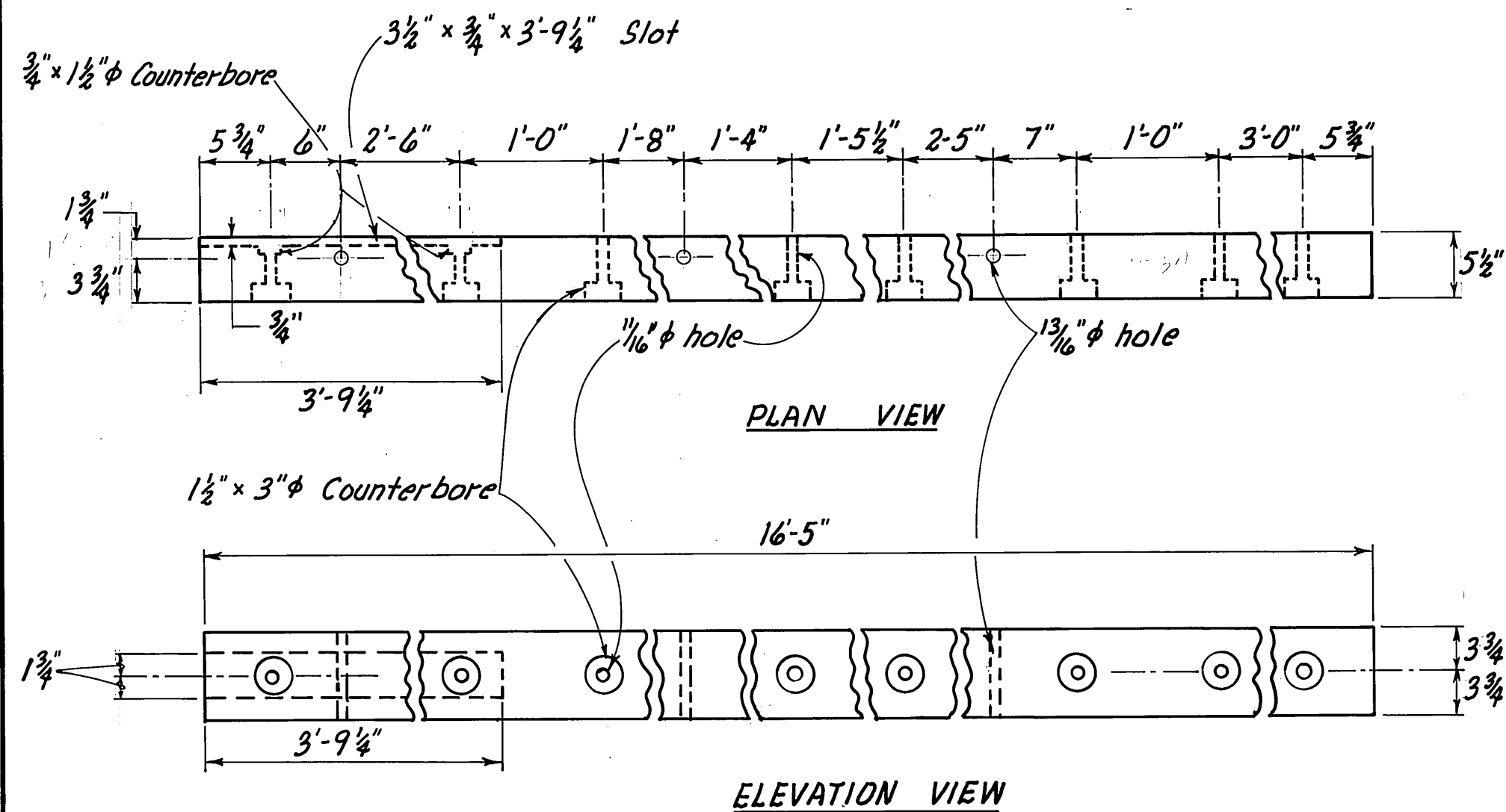
INTERMEDIATE TENSIONING UNIT
AND MISCELLANEOUS DETAILS (REVISION)

DESIGNED <u>D</u>	CHECKED <u>JDB</u>	DRAWN <u>BKB</u>	DATE <u>11-86</u>
PROJECT NUMBER <u>67664, 69016, 69106</u>		SHEET <u>21</u>	OF <u>49</u>

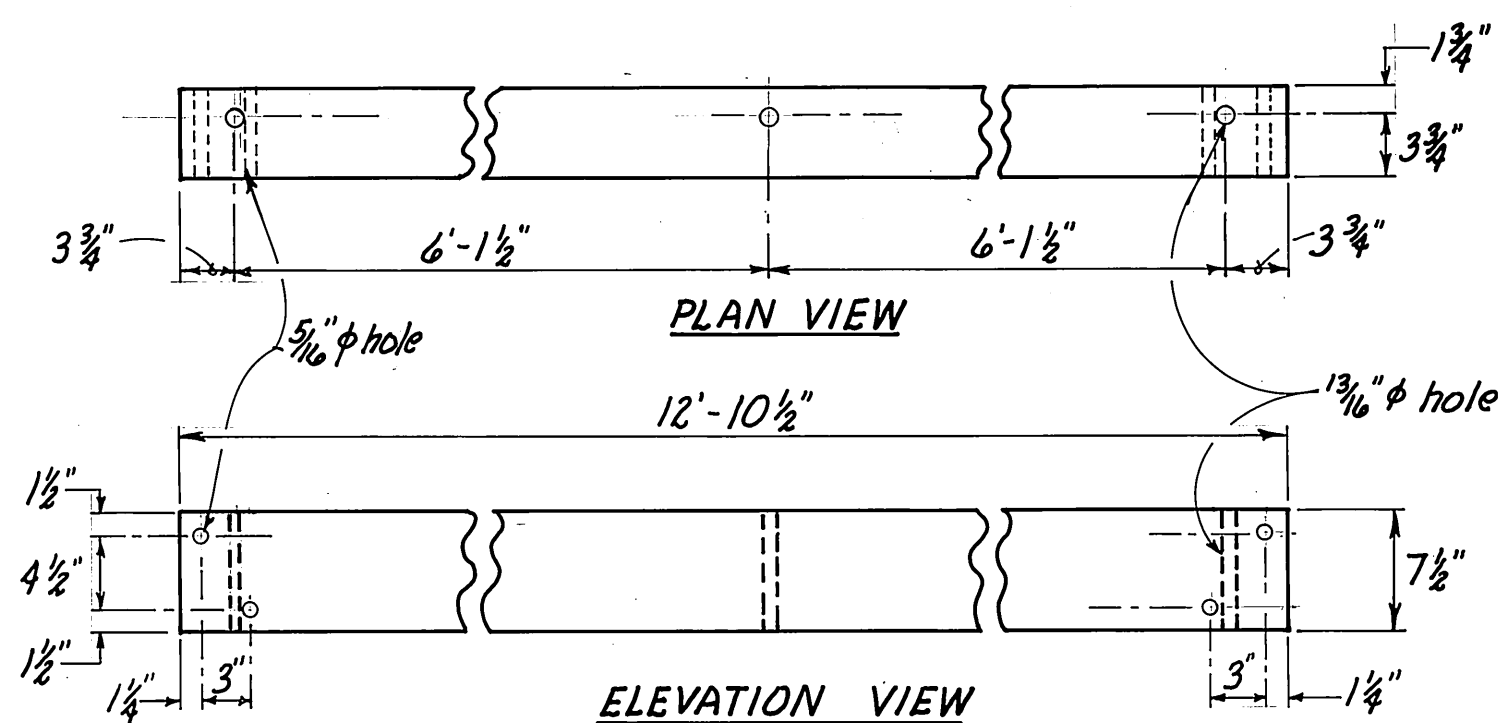
PROJECT NUMBER 67664, 69016, 69106 SHEET 21 OF 49



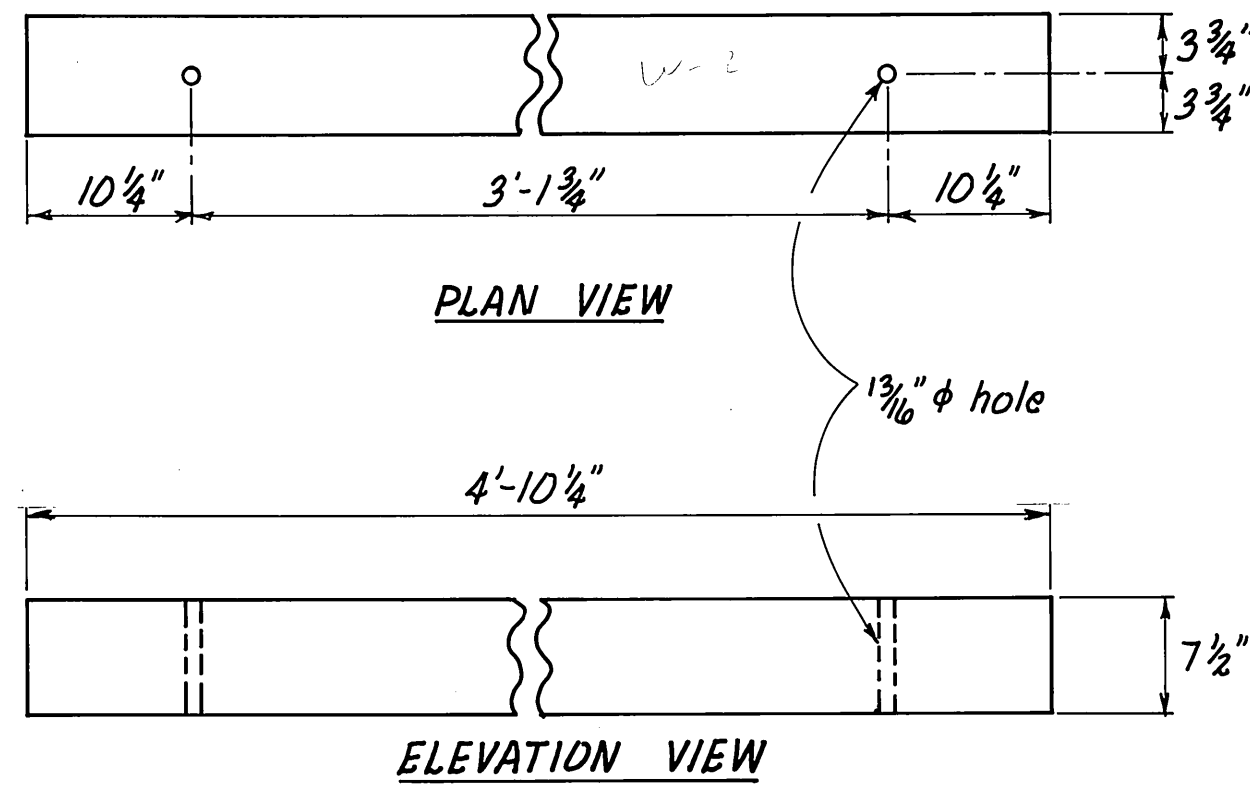
W-3 DETAIL 2 Req'd
1"=1'-0"



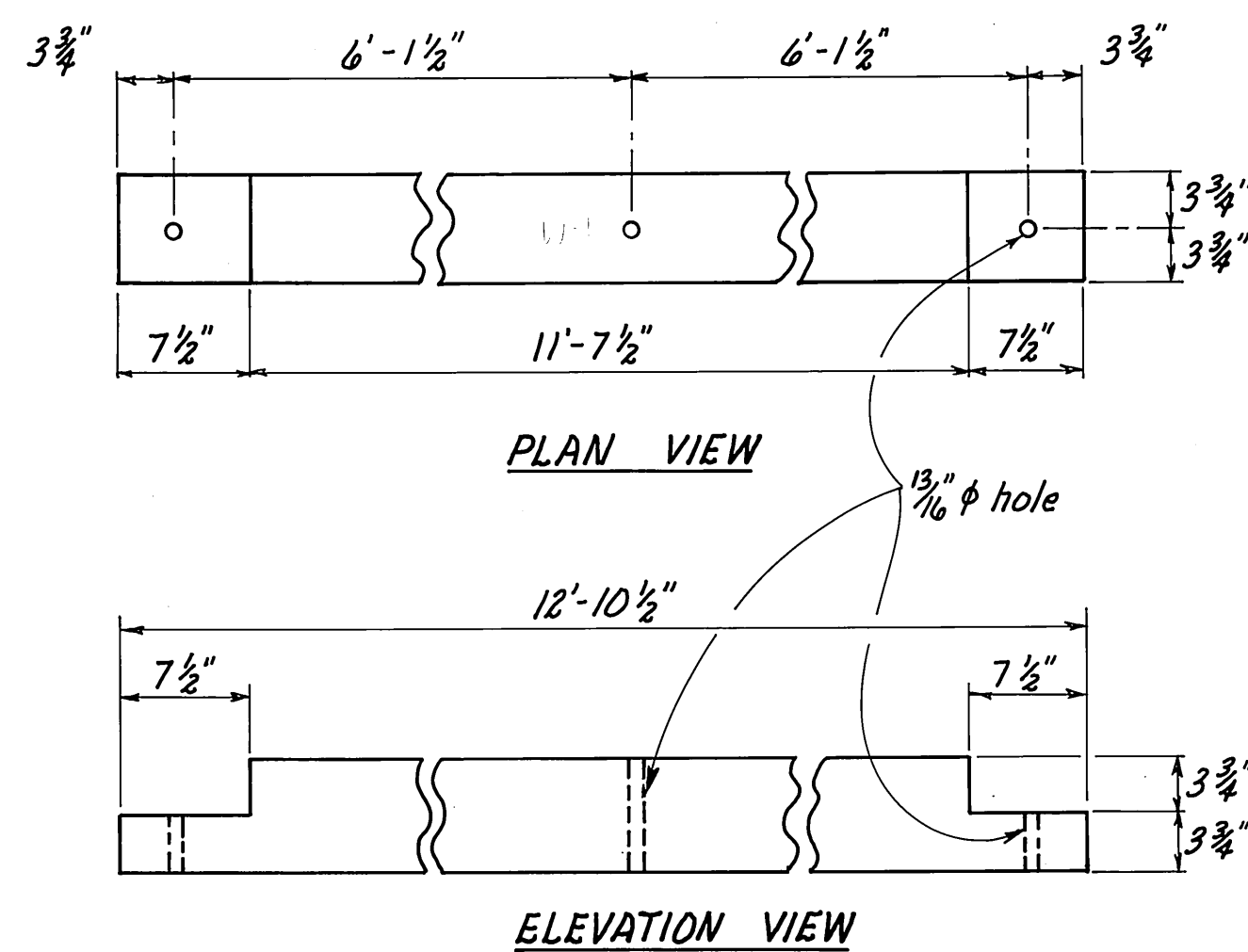
W-3A DETAIL 2 Req'd
1"=1'-0"



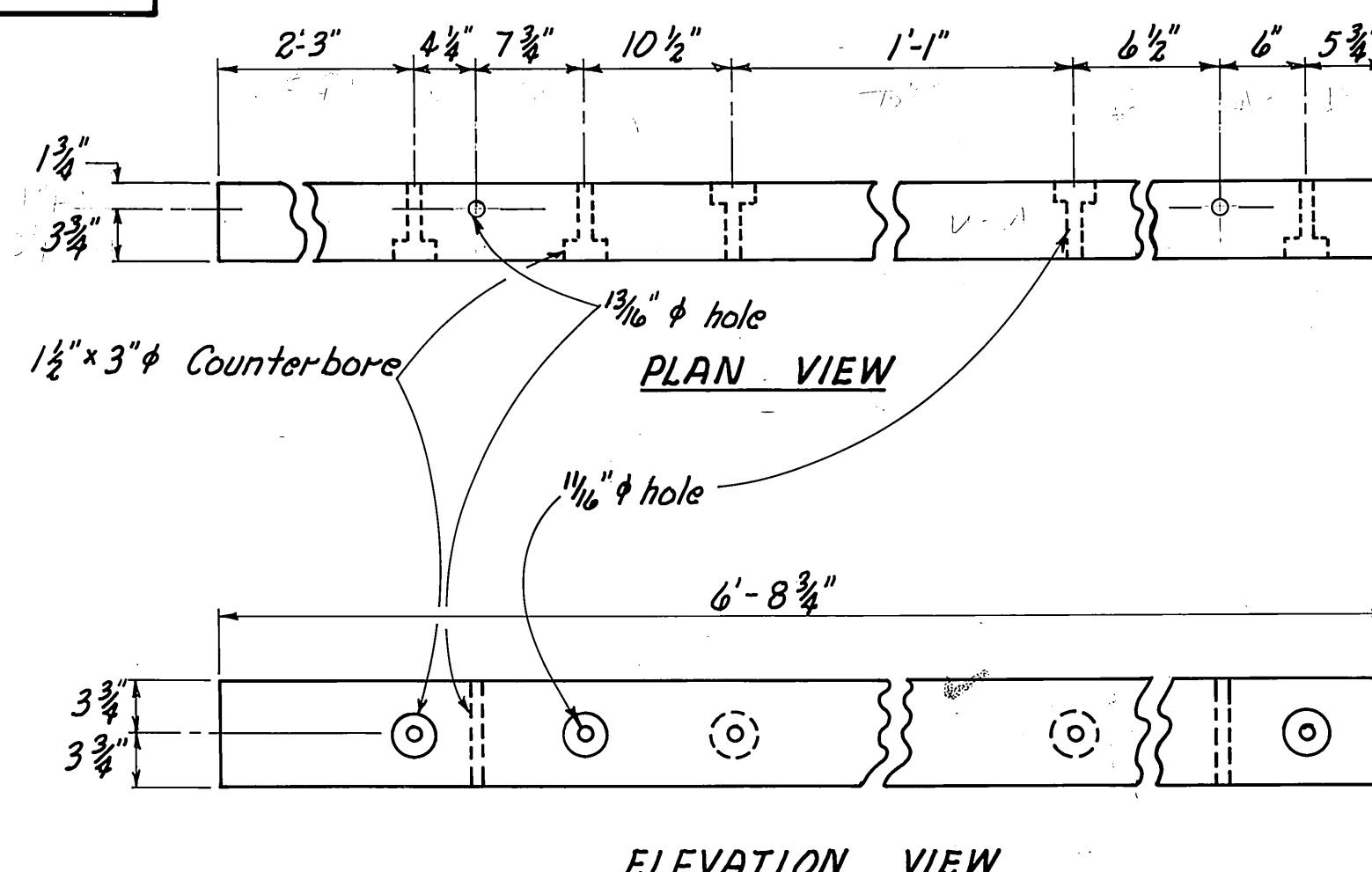
W-1A DETAIL 1 Req'd
1"=1'-0"



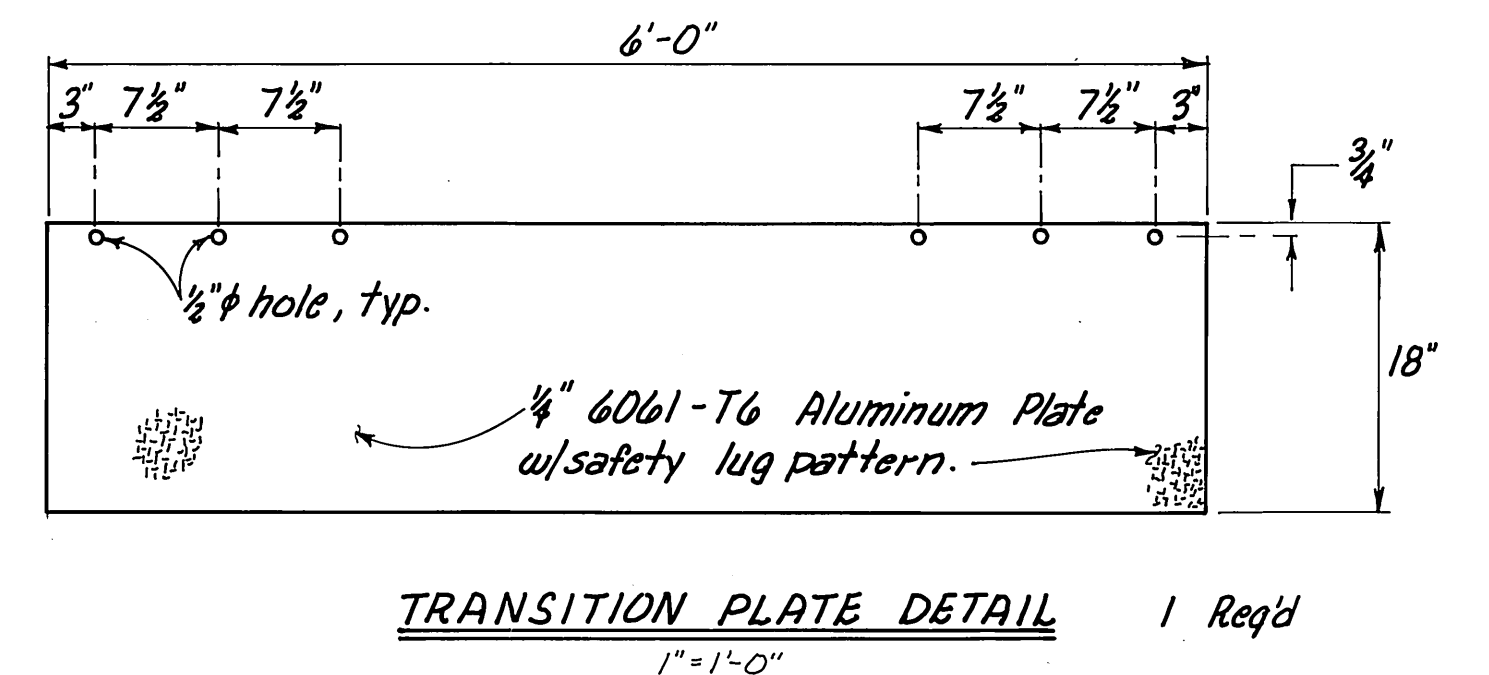
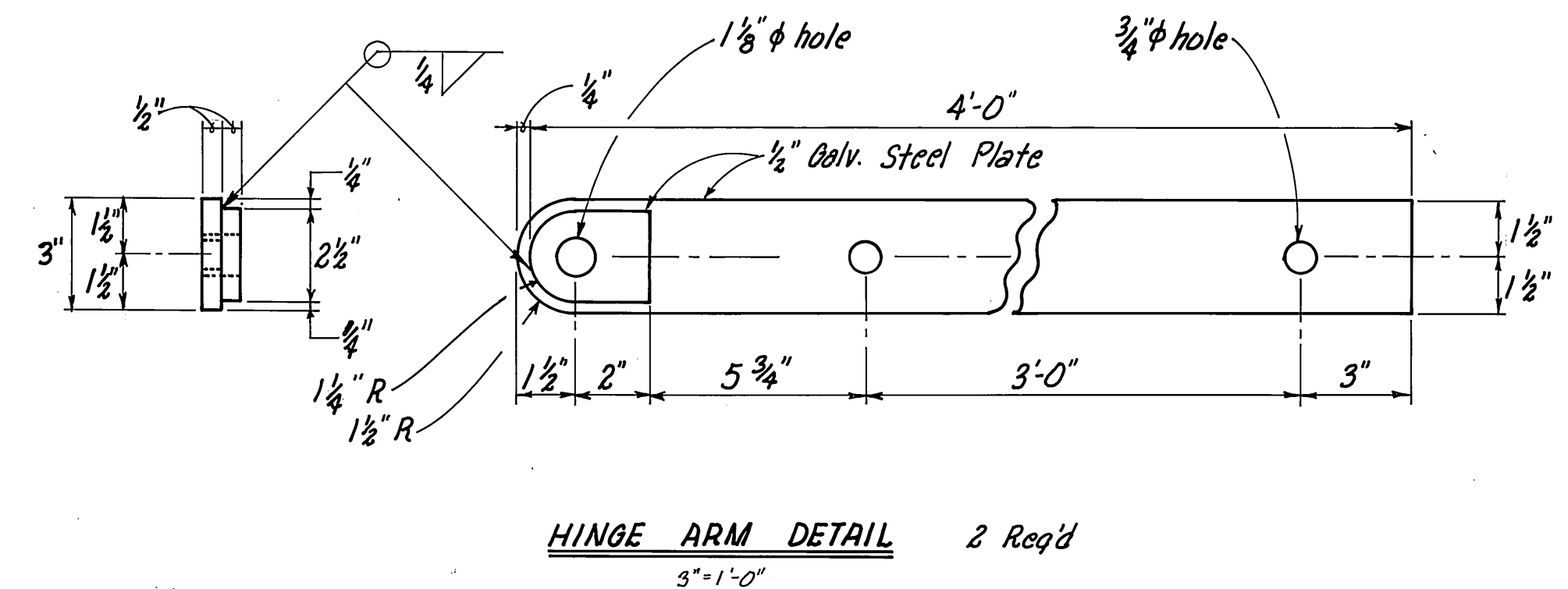
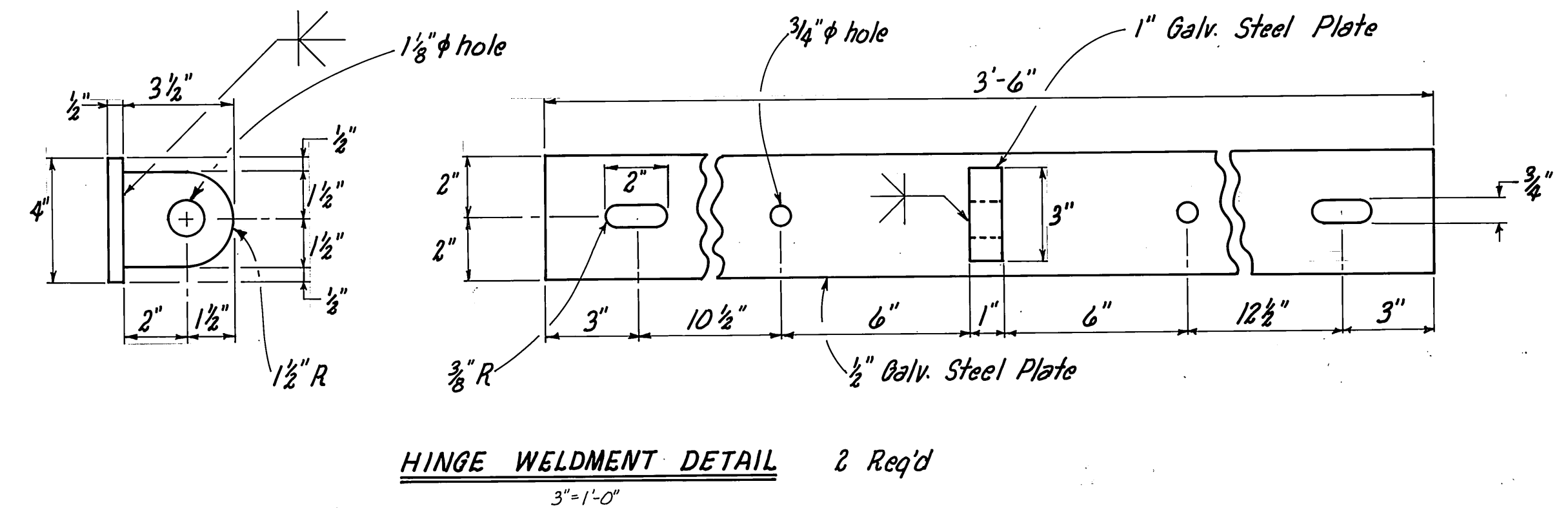
W-2 DETAIL 2 Req'd
1"=1'-0"



W-1 DETAIL 1 Req'd
1"=1'-0"

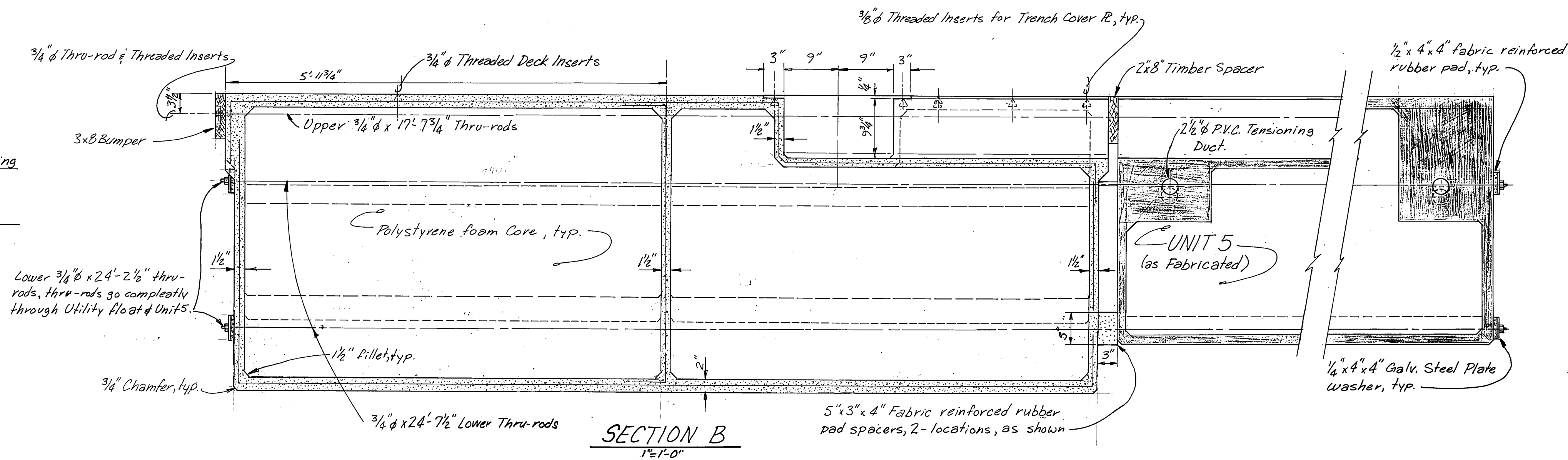
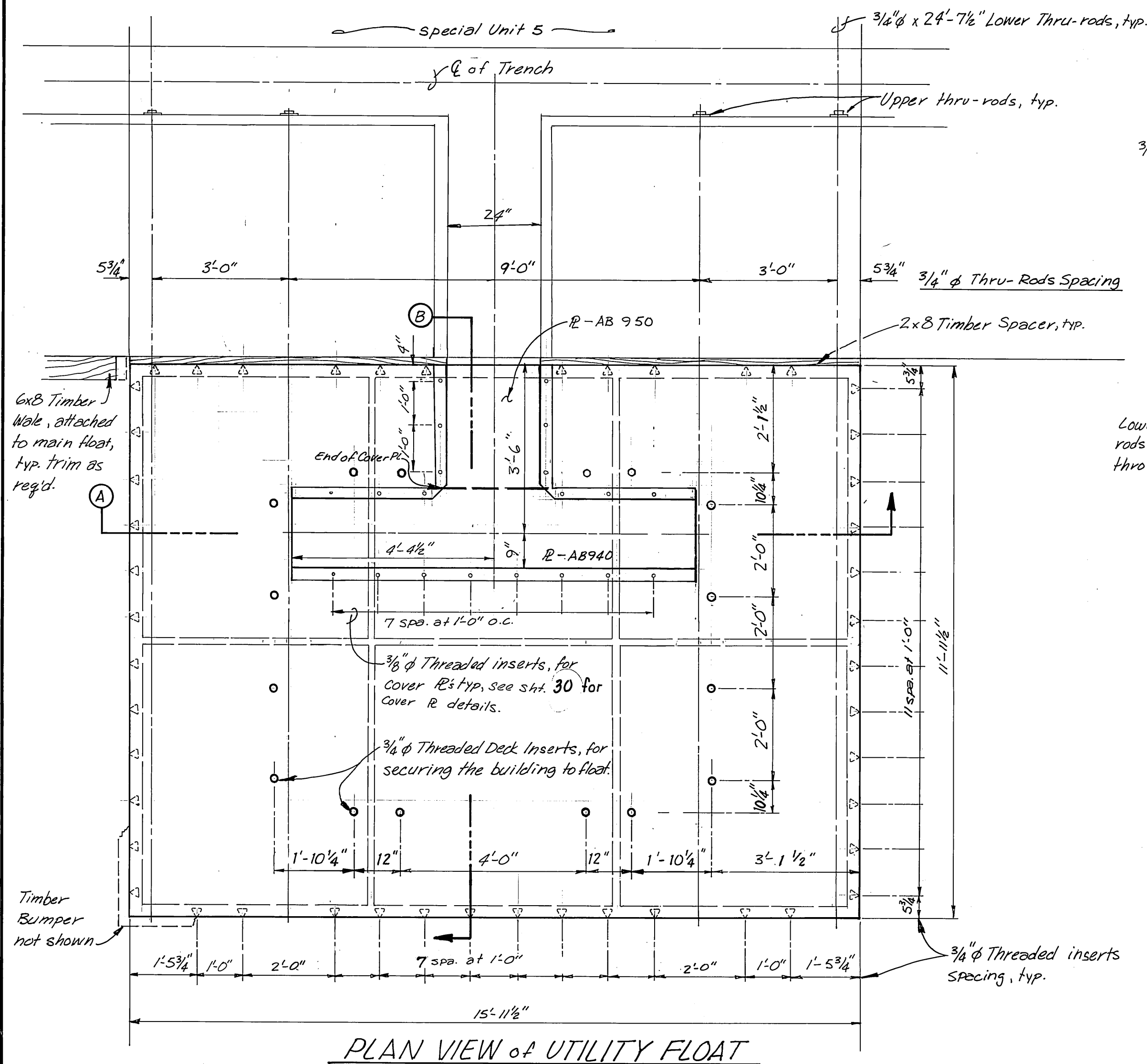


W-2A DETAIL 2 Req'd
1"=1'-0"

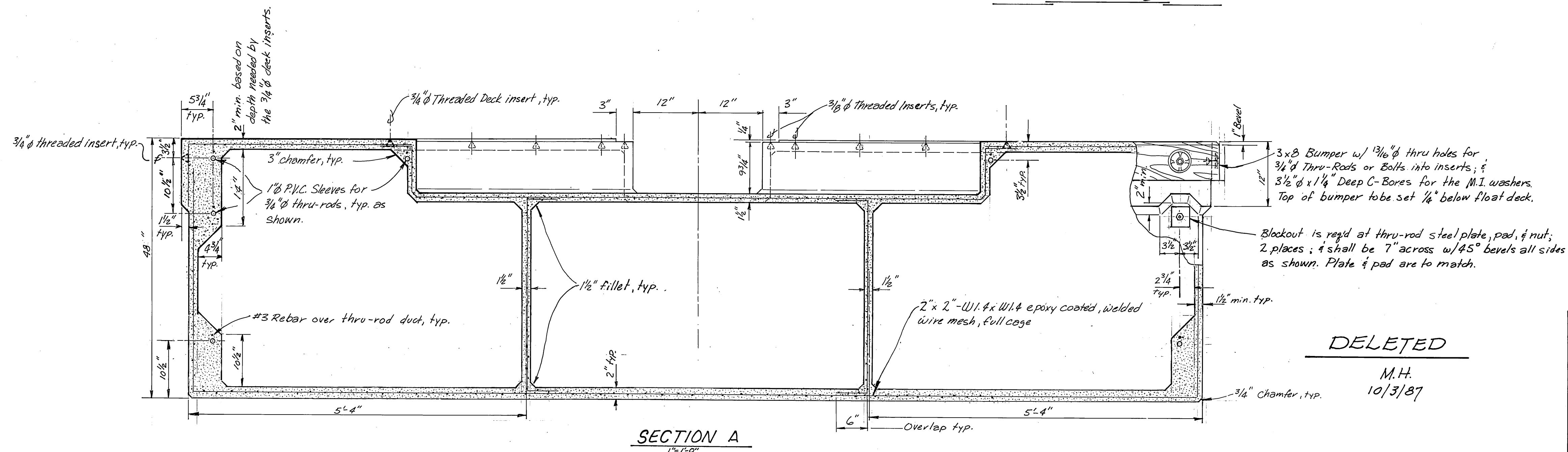


STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA	
		DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
PROJECT NUMBER		ALASKA	
DESIGNED <u>D.S.</u>		TIMBER AND MISCELLANEOUS DETAILS FOR SEWAGE PUMPOUT FLOAT	
CHECKED <u>J.D.B.</u>		DATE <u>Aug. '86</u>	
DRAWN <u>D.S.</u>		SHEET <u>23</u> OF <u>49</u>	
PROJECT NUMBER <u>67664, 69016, 69106</u>			

M.H.
10/3/87



FRONT VIEW



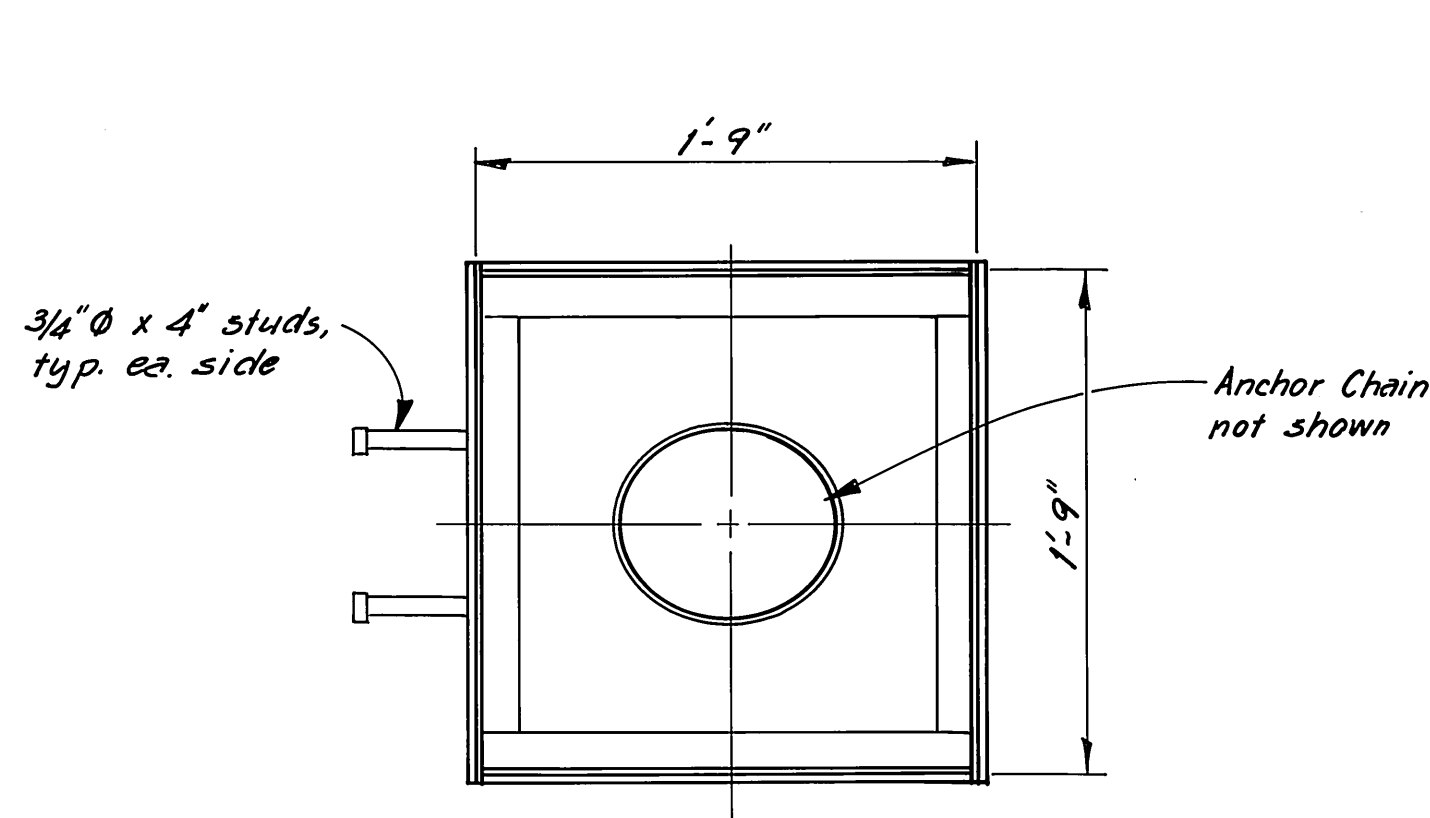
DELETED

M.H.
10/3/87

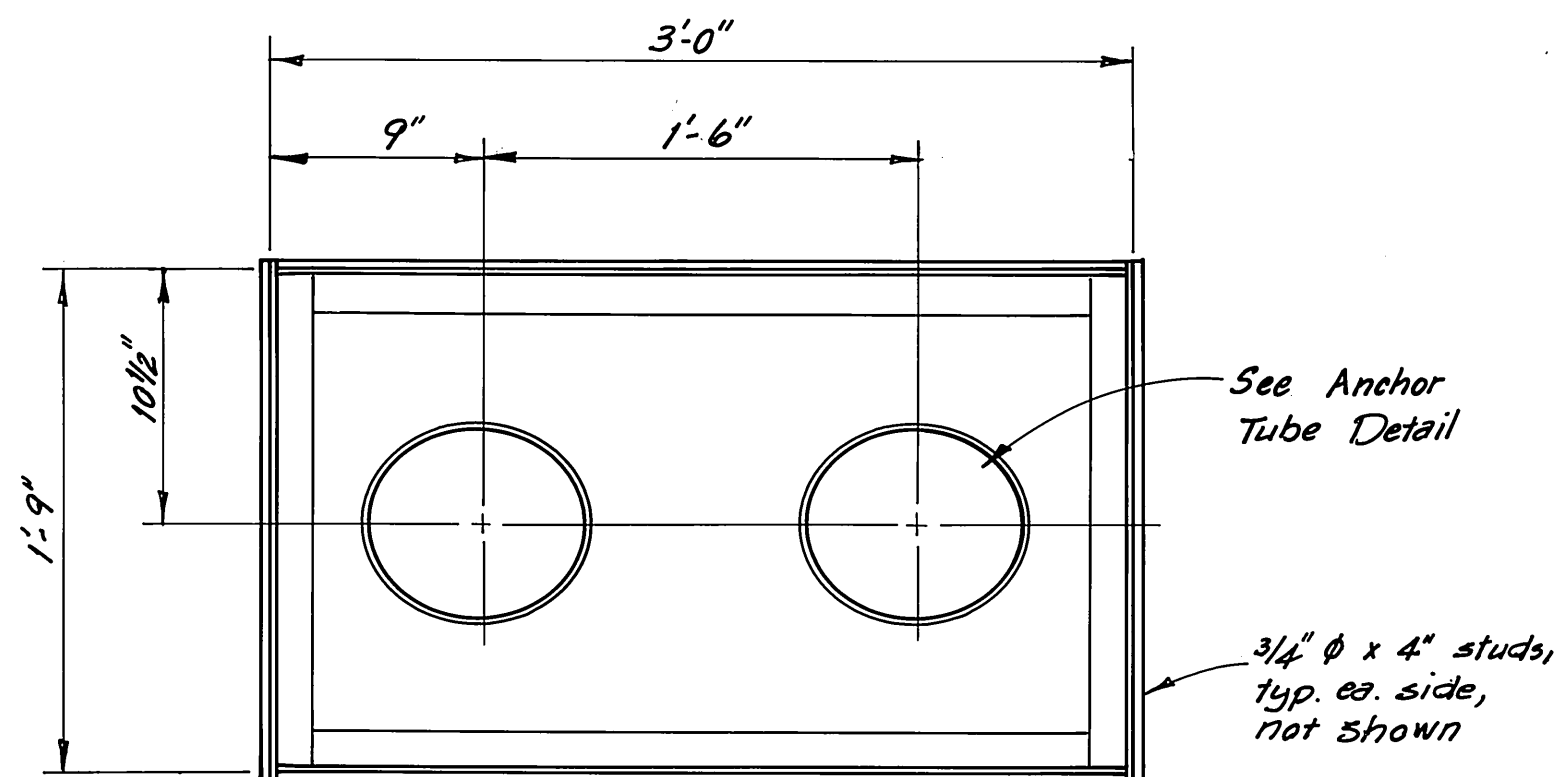
NOTES:

1. All inserts this sheet to be stainless steel.
2. Contractor to insure that thru-rods for utility float align with ducts in fabricated float Unit 5 prior to casting Utilities float.
3. See sheet 34 for Utility float Building details.

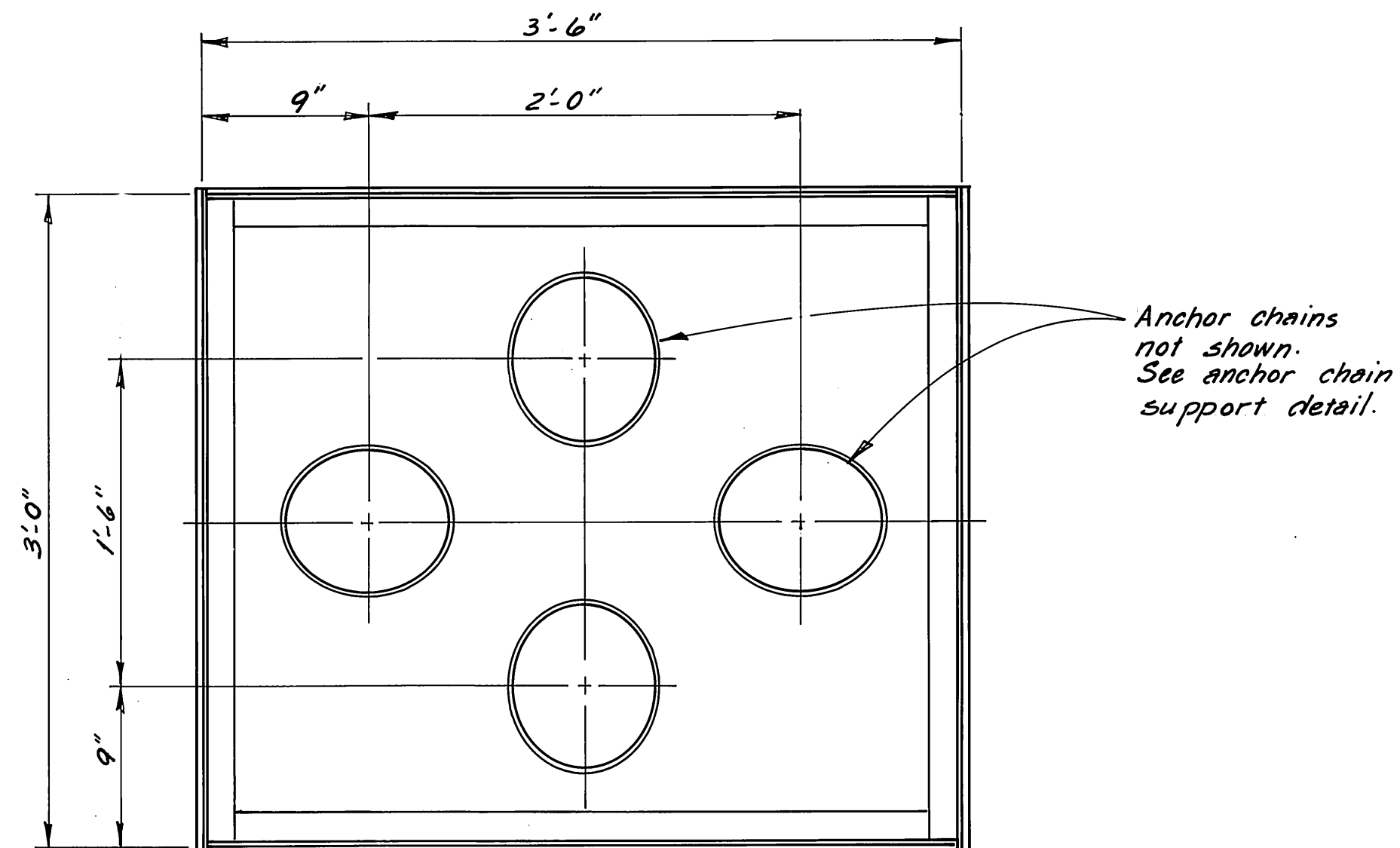
STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA	
		DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
Auke Bay		Alaska	
UTILITIES FLOAT			
DESIGNED <u>DJM</u>	CHECKED <u>[Signature]</u>	DRAWN <u>DJM</u>	DATE <u>12-85</u>
PROJECT NUMBER <u>67664, 69016, 69106</u>		SHEET <u>24</u> OF <u>49</u>	



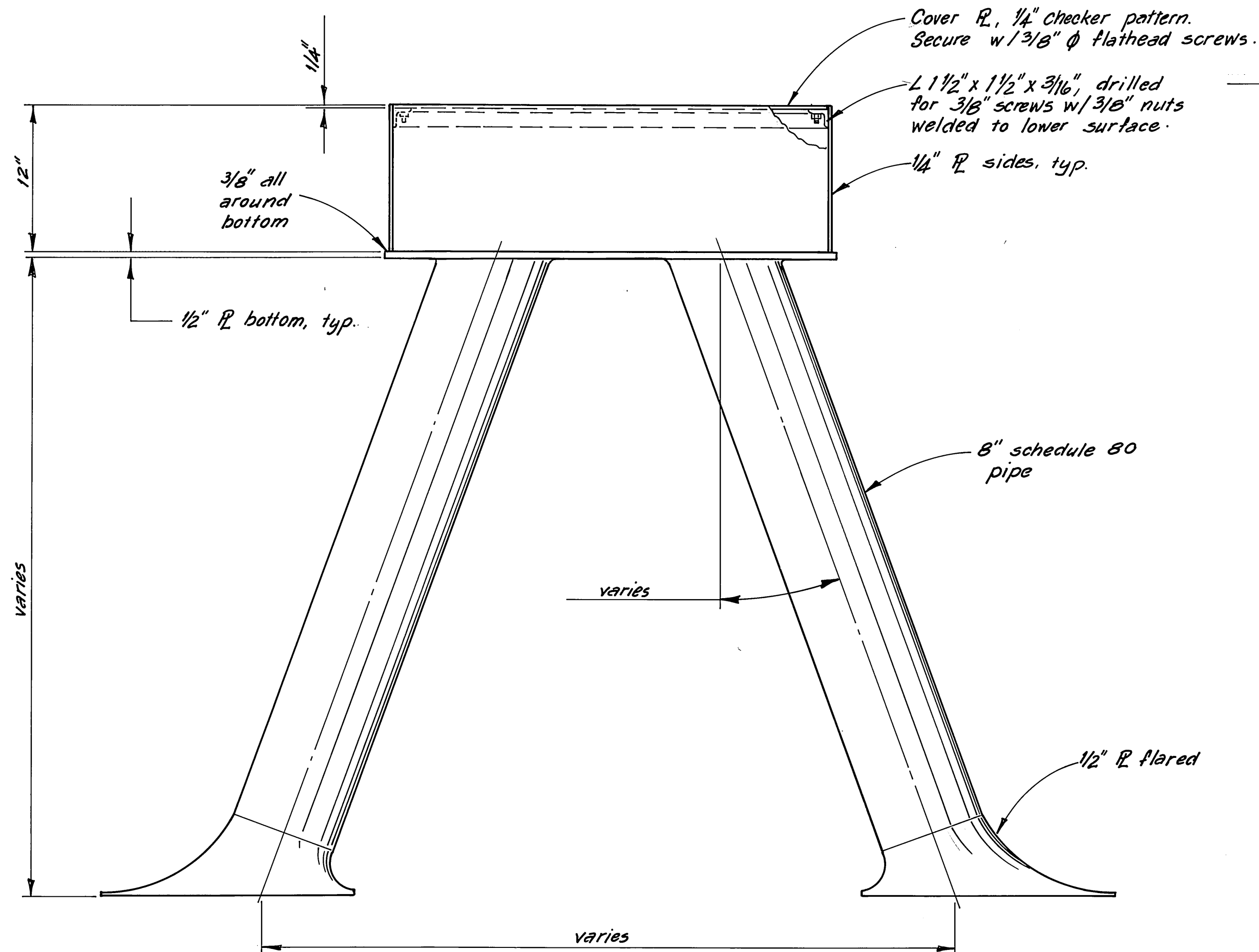
PLAN
ONE-WAY ANCHOR WELL



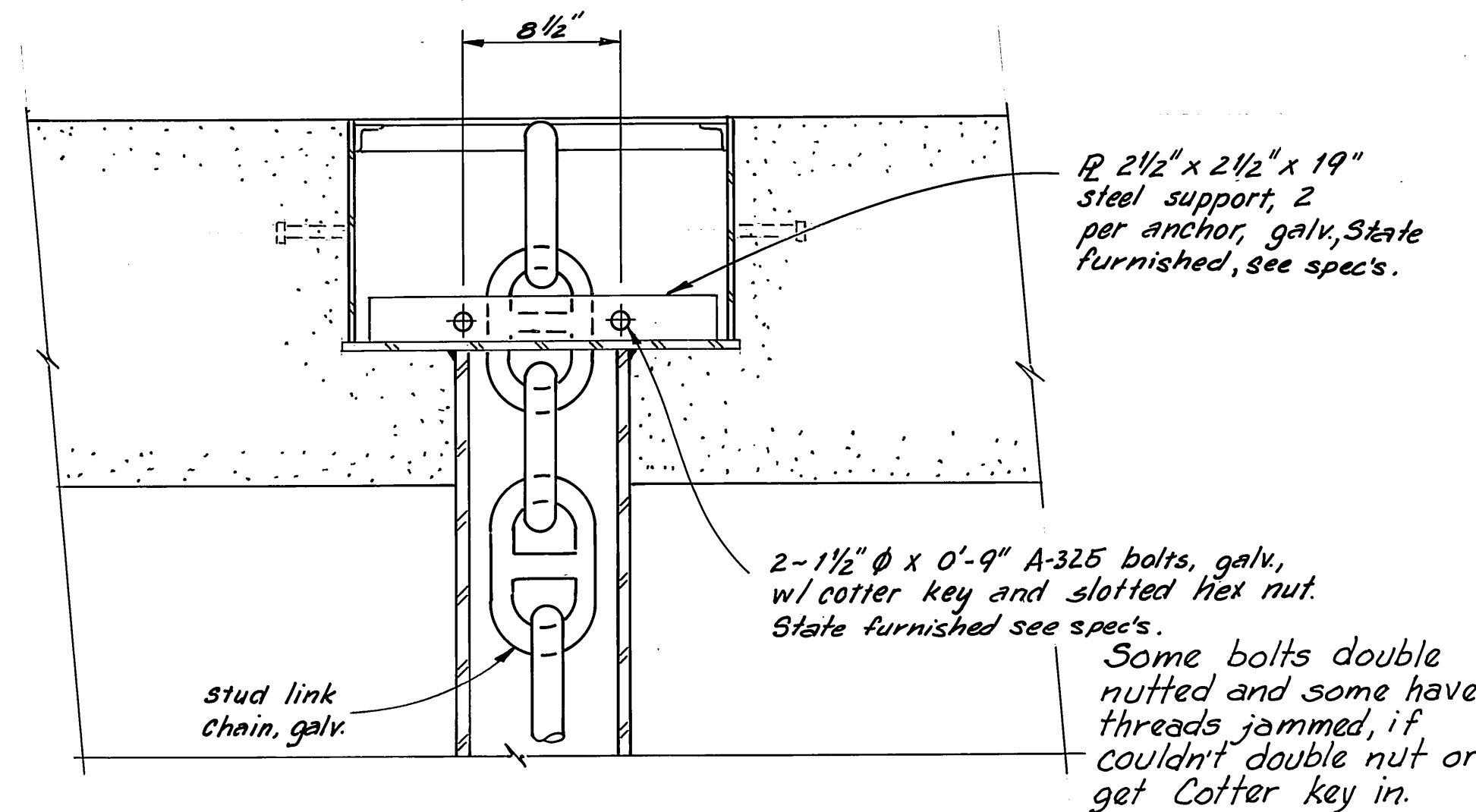
PLAN
TWO-WAY ANCHOR WELL



PLAN
FOUR-WAY ANCHOR WELL



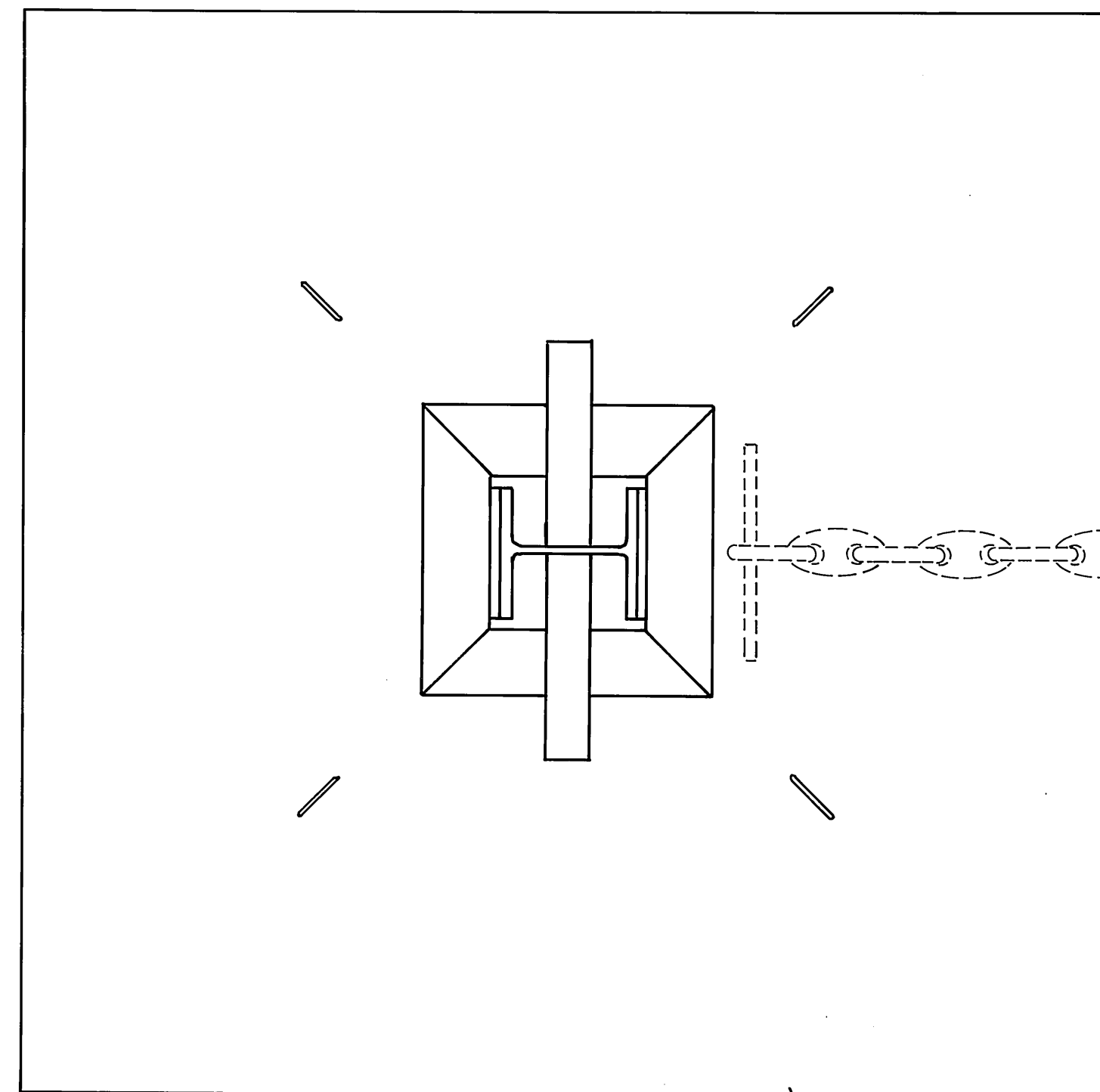
ANCHOR TUBE DETAIL (TYPICAL)



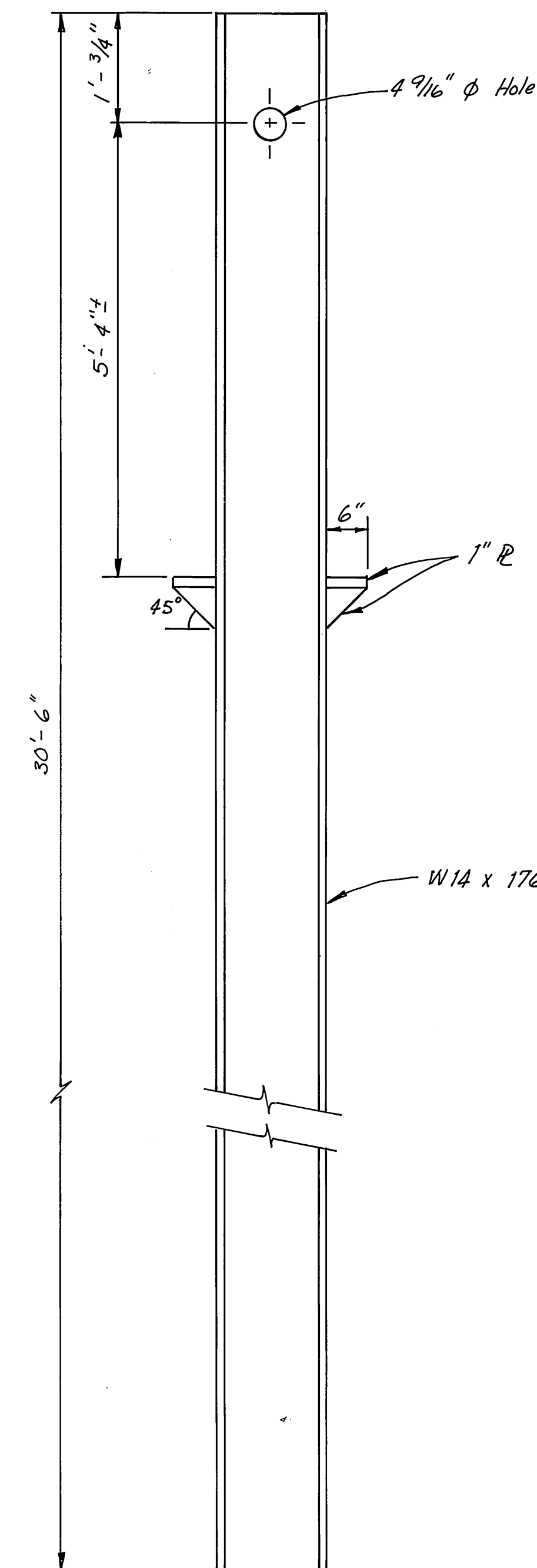
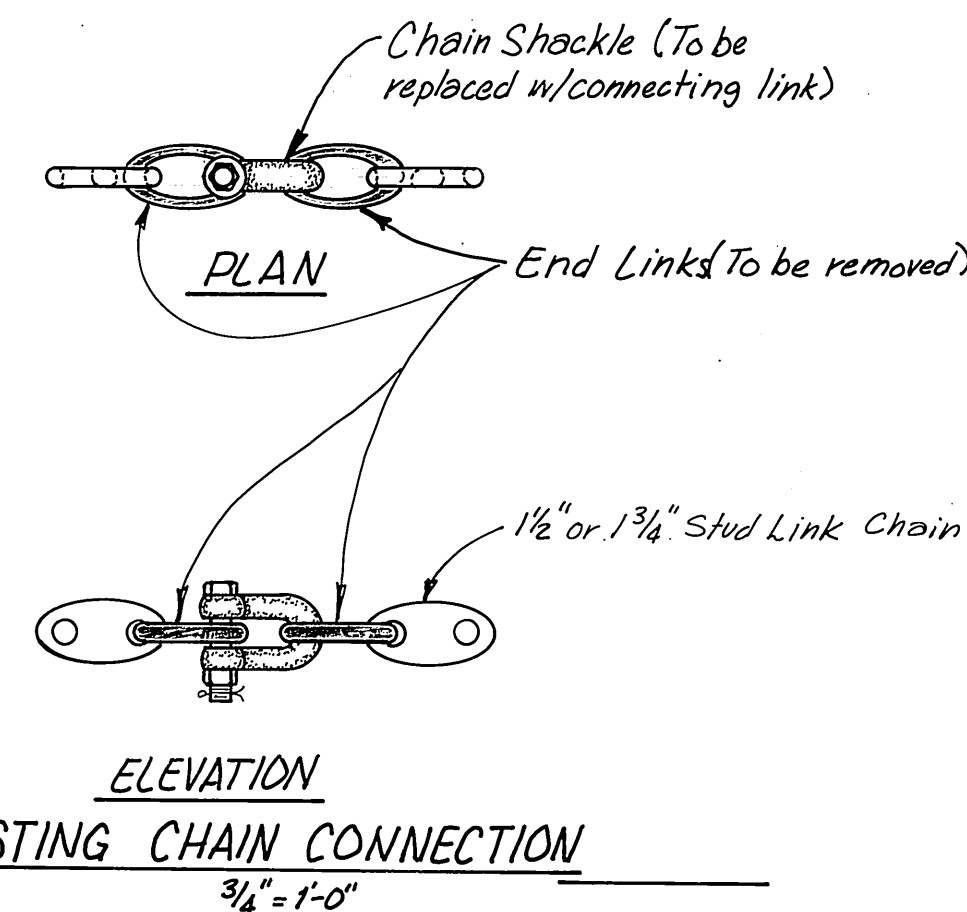
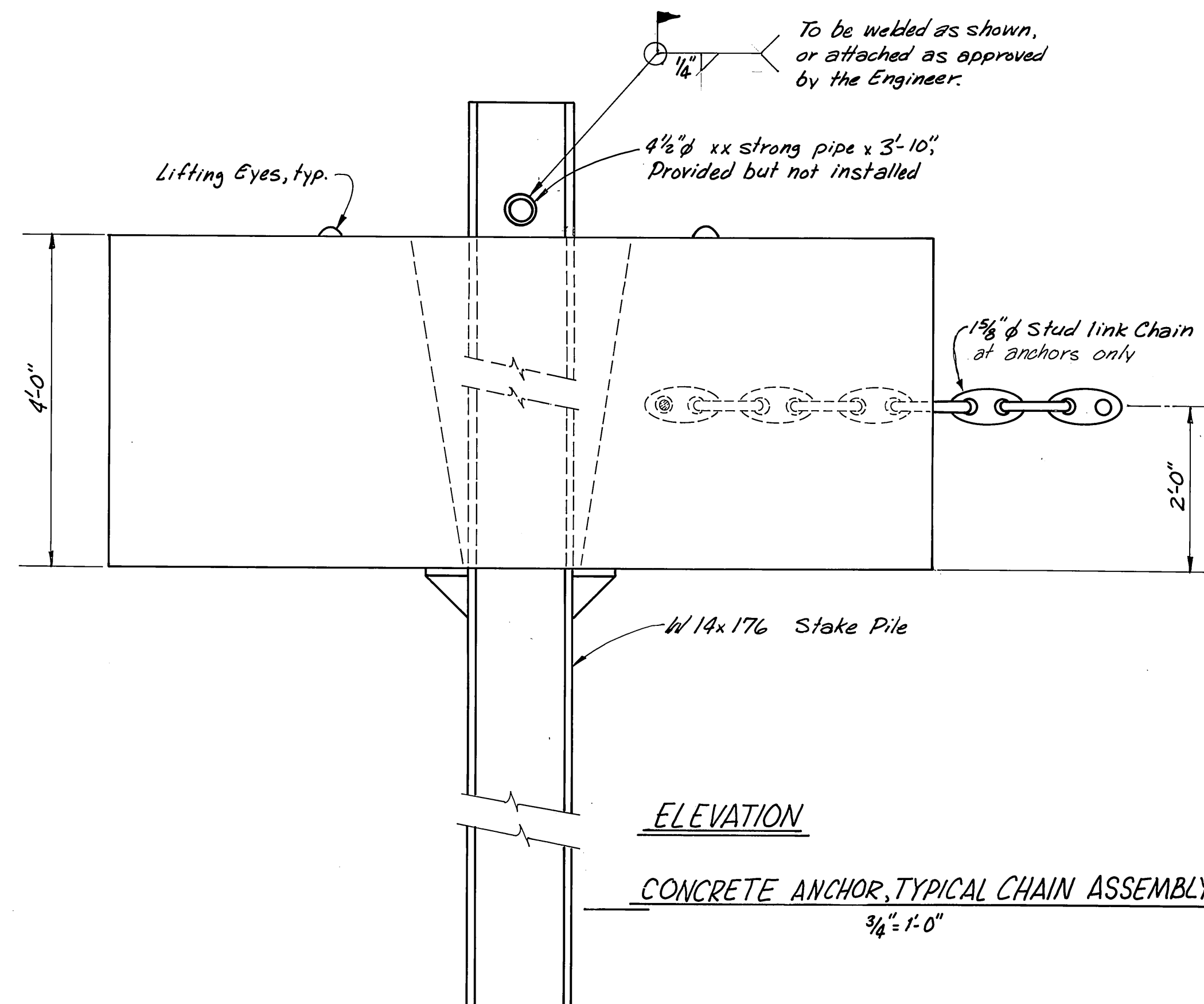
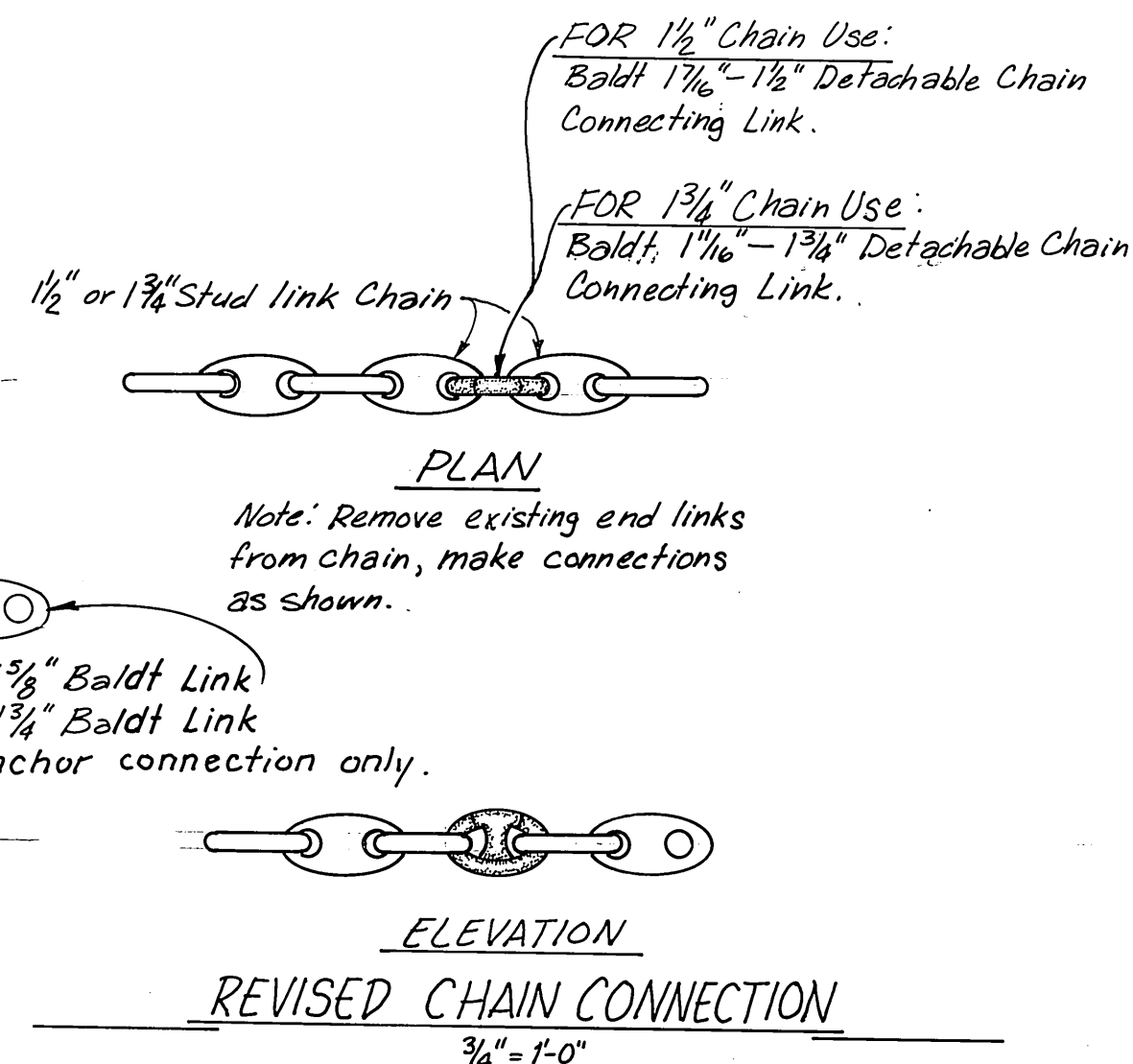
TYPICAL ANCHOR CHAIN SUPPORT DETAIL
1 1/2" = 1'-0"

M.H.
10/3/87

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DESIGN AND CONSTRUCTION	
		Auke Bay Alaska FLOAT ANCHOR WELLS & ANCHOR CHAIN SUPPORT AS FABRICATED	
SCALE <u>1 1/2" = 1'-0"</u>	SURVEYED _____	APPROVED _____	
DESIGNED <u>DOB</u>	DRAWN <u>DOB</u>	DATE <u>11-85</u>	
CHECKED <u>11</u>	DATE _____	PROJECT NUMBER <u>67664, 67016, 67106</u>	
		SHEET <u>25</u> OF <u>49</u>	



PLAN



FLOAT ANCHORS

ANCHOR NUMBER	CHAIN SIZE	*** ESTIMATED CHAIN LENGTH (From Lock off to Anchor Lug)	HORZ. DISTANCE FROM CENTERLINE OF FLOAT TO CENTERLINE OF ANCHOR LUG
27	1.5"	389.6'	362.6'
28	1.5"	373.8'	348.4'
29	1.5"	389.6'	362.3'
30	1.5"	358.0'	333.7'
31	1.5"	380.0'	348.2'
32	*1.75"	425.4'	401.5'
33	1.5"	348.6'	325.8'
34	*1.75"	431.7'	410.5'
35	1.5"	377.0'	350.5'
36	1.5"	350.8'	315.5'
37	1.5"	373.8'	347.7'
38	*1.75"	411.2'	401.0'
39	1.5"	349.0'	303.3'
40	*1.75"	424.7'	391.0'
41	1.5"	373.8'	343.0'
42	1.5"	343.8'	329.0'
43	1.5"	373.8'	343.0'
44	1.5"	344.4'	329.0'
45	1.5"	367.5'	336.5'
46	1.5"	349.7'	329.5'
47	1.5"	364.3'	333.9'
48	*1.5"	400.1'	383.6'
49	1.5"	349.7'	329.1'
50	*1.5"	381.7'	366.4'
51	1.5"	361.2'	330.8'
52	1.5"	350.1'	329.2'
53	*1.5"	572.8'	552.8'
54	*1.5"	463.8'	454.2'
55	*1.5"	560.8'	541.5'
56	*1.5"	387.3'	384.5'

* For longitudinal anchors the distance listed in Column 4 "Horizontal Distance from Centerline of Float to Centerline of Anchor Lug", shall be the horizontal distance from the center of the float anchor chain support to the centerline of the anchor lug.

The longitudinal anchors shall be located along the centerline of the floats.

*** Contractor to allow sufficient chain length for handling and tensioning. Actual chain length to be field calculated, based on actual anchor depth and horizontal distance.

NOTE:
Anchors 35 through 42 to be installed under Supplemental "B".
Remainder of anchors to be installed under Basic Bid.

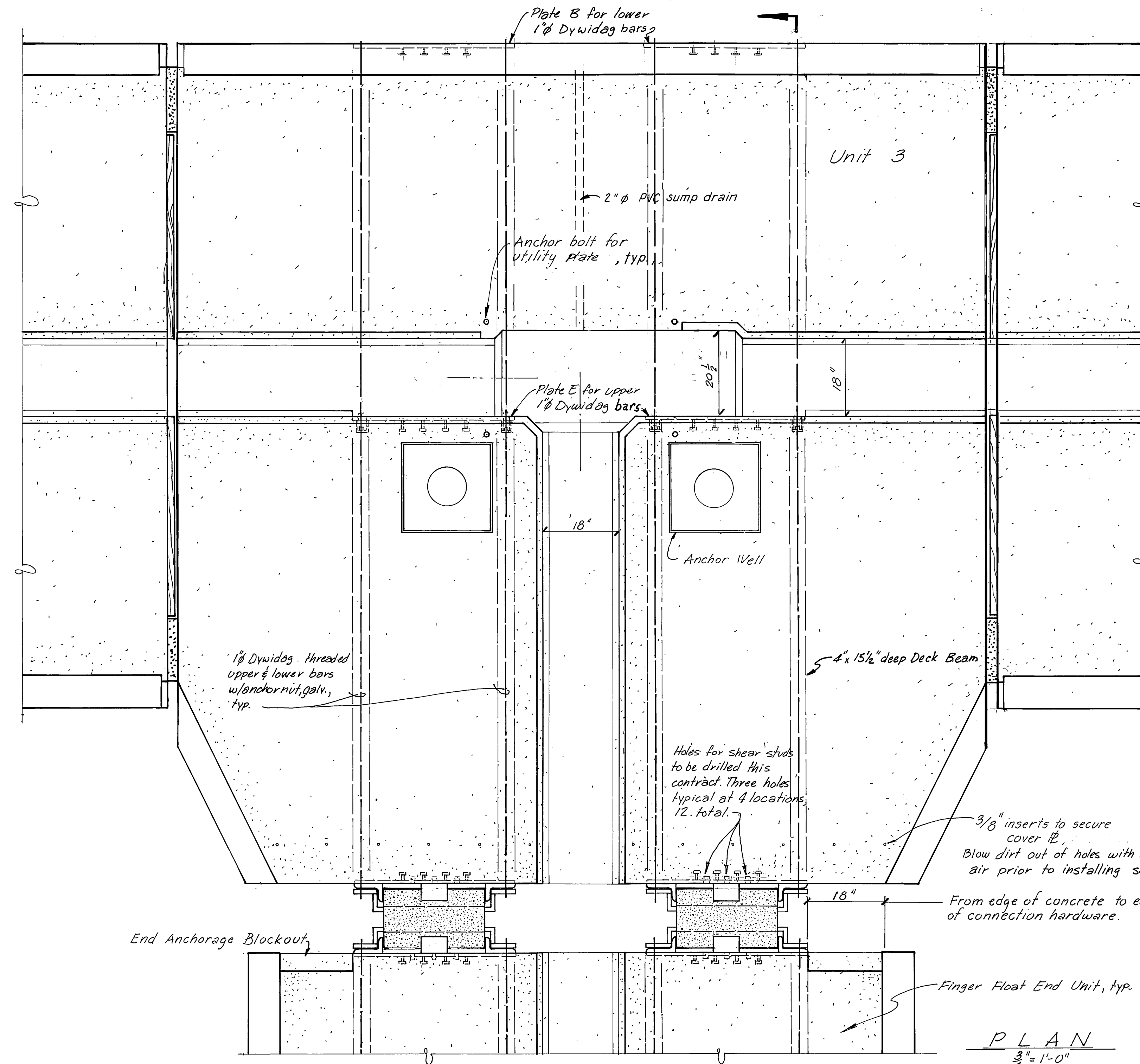
Anchor No 39 - Stake pile hit bedrock - Had to cut 14 feet of stake pile bottom so anchor would set on bottom.

Anchor No 40 - Has approximately 1 shot of 1 1/2" ϕ Chain on it as Contractor was shy approx. 1 shot of 1 3/4" ϕ Chain - shot on anchor float end of chain.

Anchors No 32, 48, 53, and 55 - Anchor stake pile pipe pins not welded in place as they had to be removed underwater - Bolts (3/4" ϕ) put through pipe pin on both sides of stake pile.

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA	
		DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
		Auke Bay	Alaska
		ANCHOR DETAILS	
DESIGNED JDB	CHECKED J	DRAWN DJM	DATE May 86
PROJECT NUMBER 67664, 67016, 67106	SHEET 26		OF 49

M.H.
10/3/87



PLAN
 $\frac{3}{4}'' = 1'-0''$

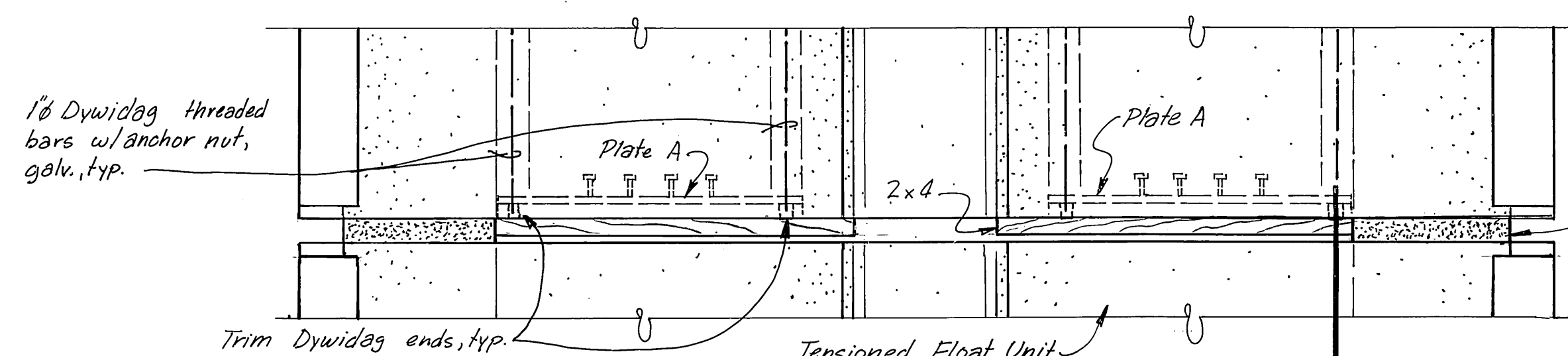
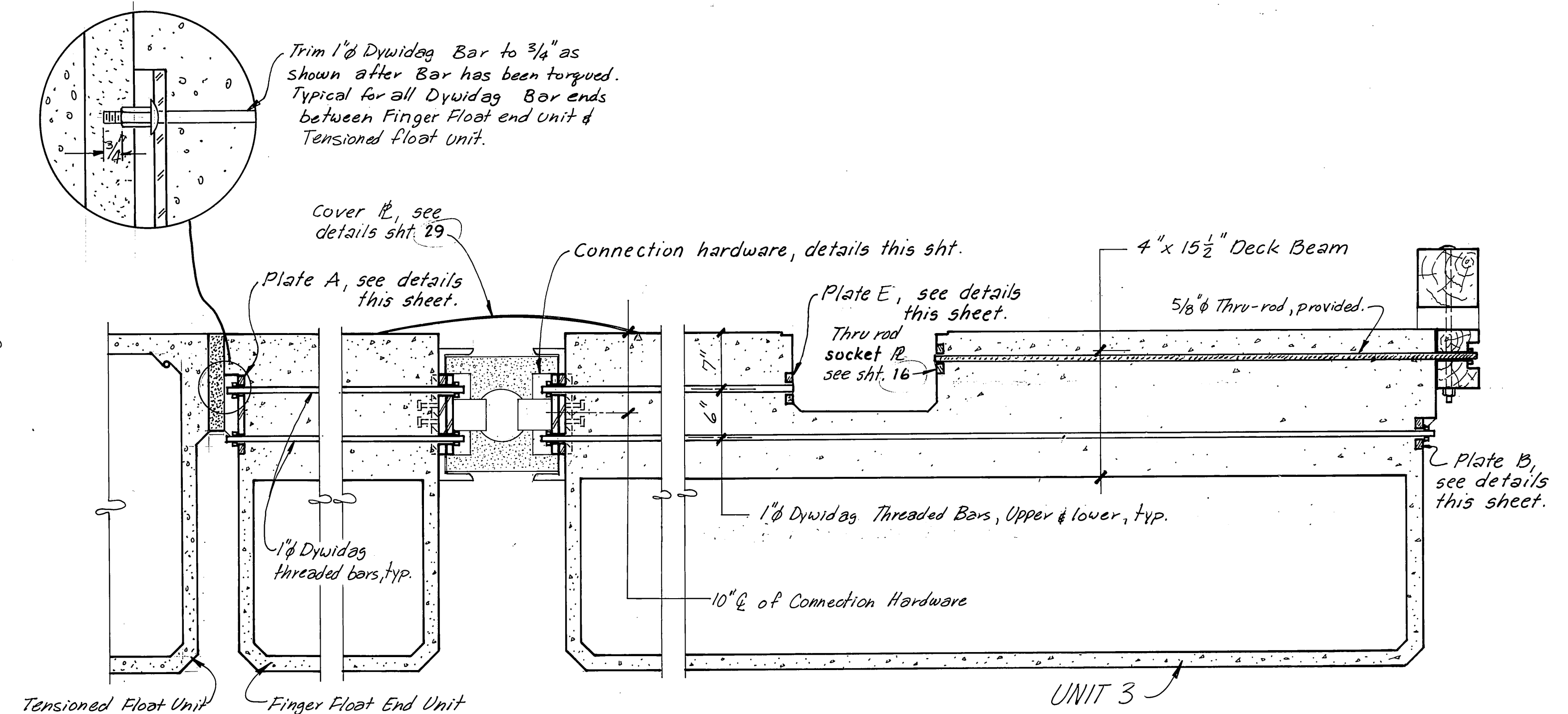


PLATE A
EMBEDDED

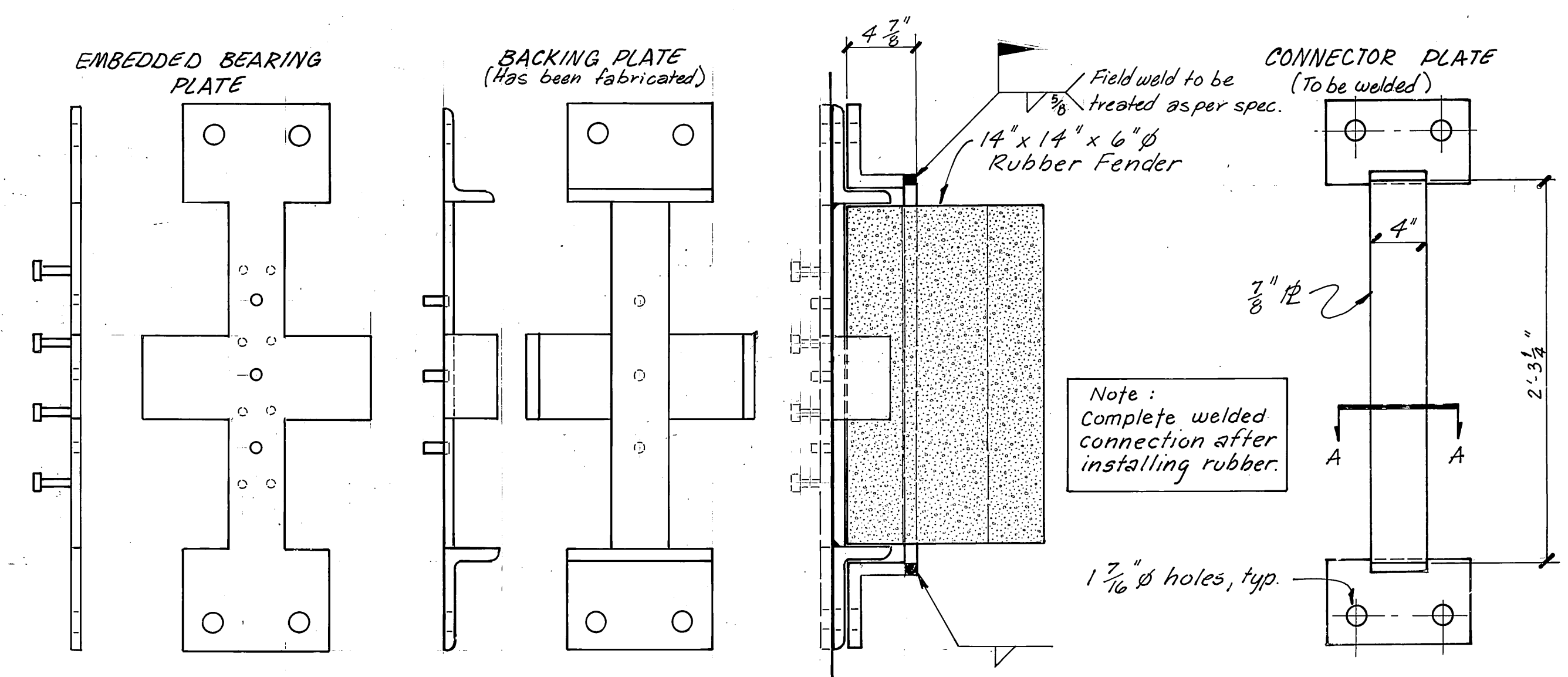
PLATE B
EMBEDDED

PLATE E
EMBEDDED

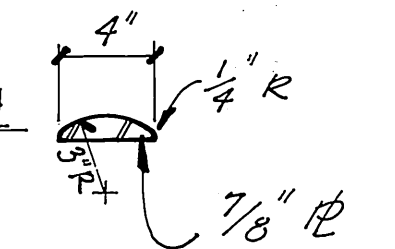


SECTION (A)


- NOTE: 1. Dywidag bars to be stressed in accordance with the manufacturers specifications.
2. Dywidag bars & Anchor Nuts to be provided this contract.
3. Dywidag bar ends that are field trimmed are to be treated as per specs.

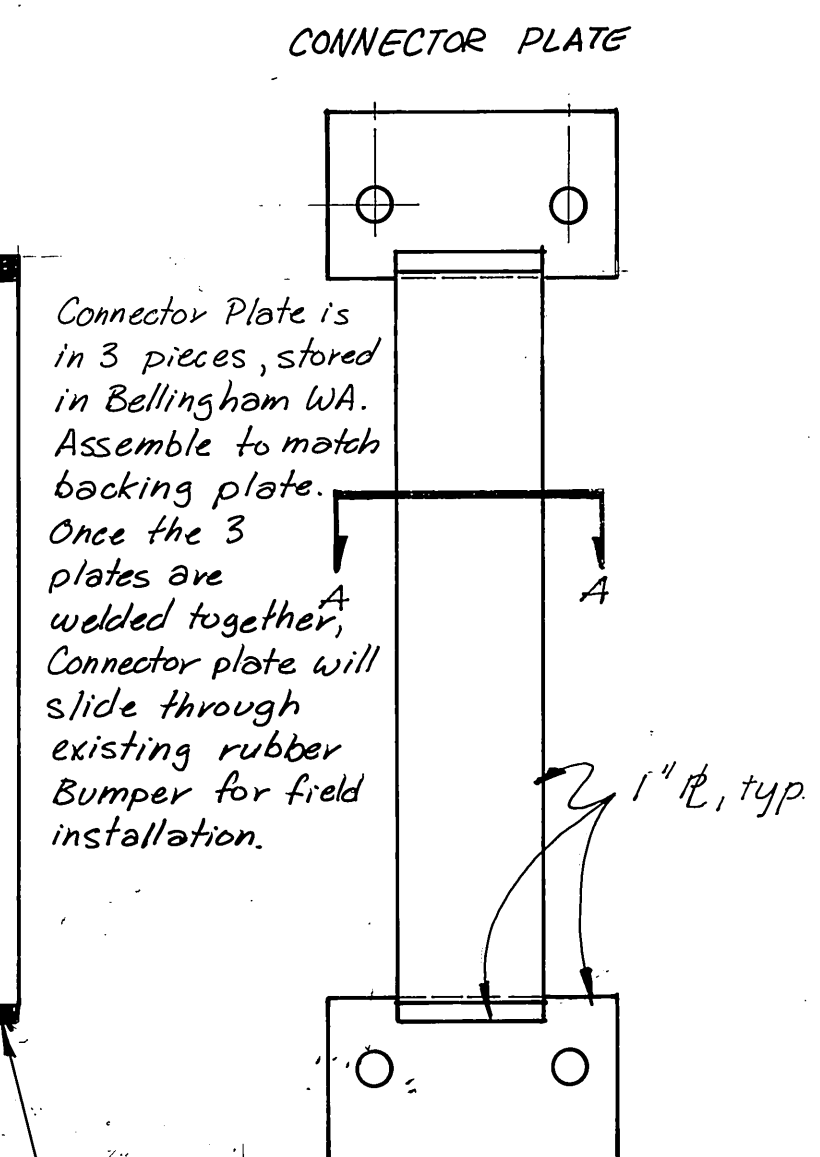
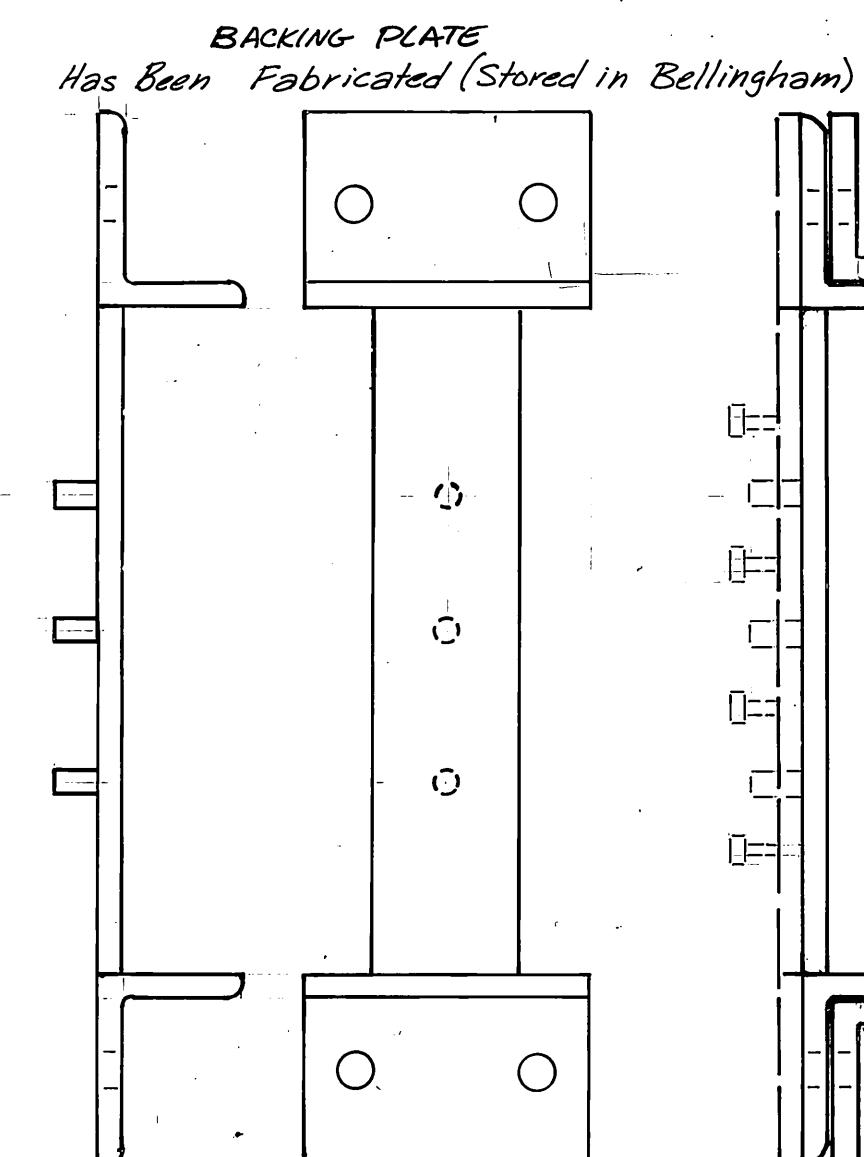
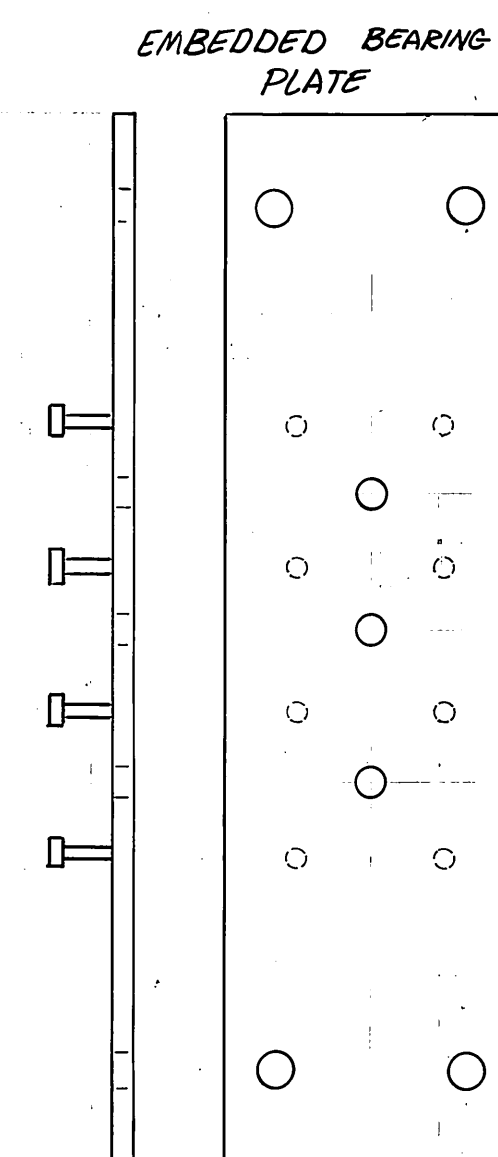
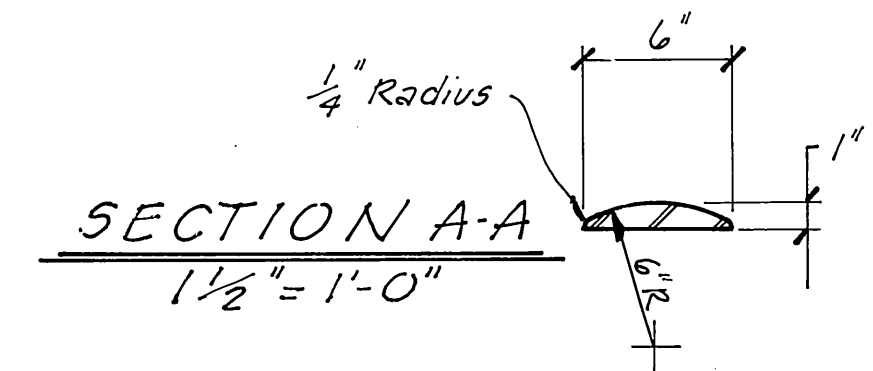
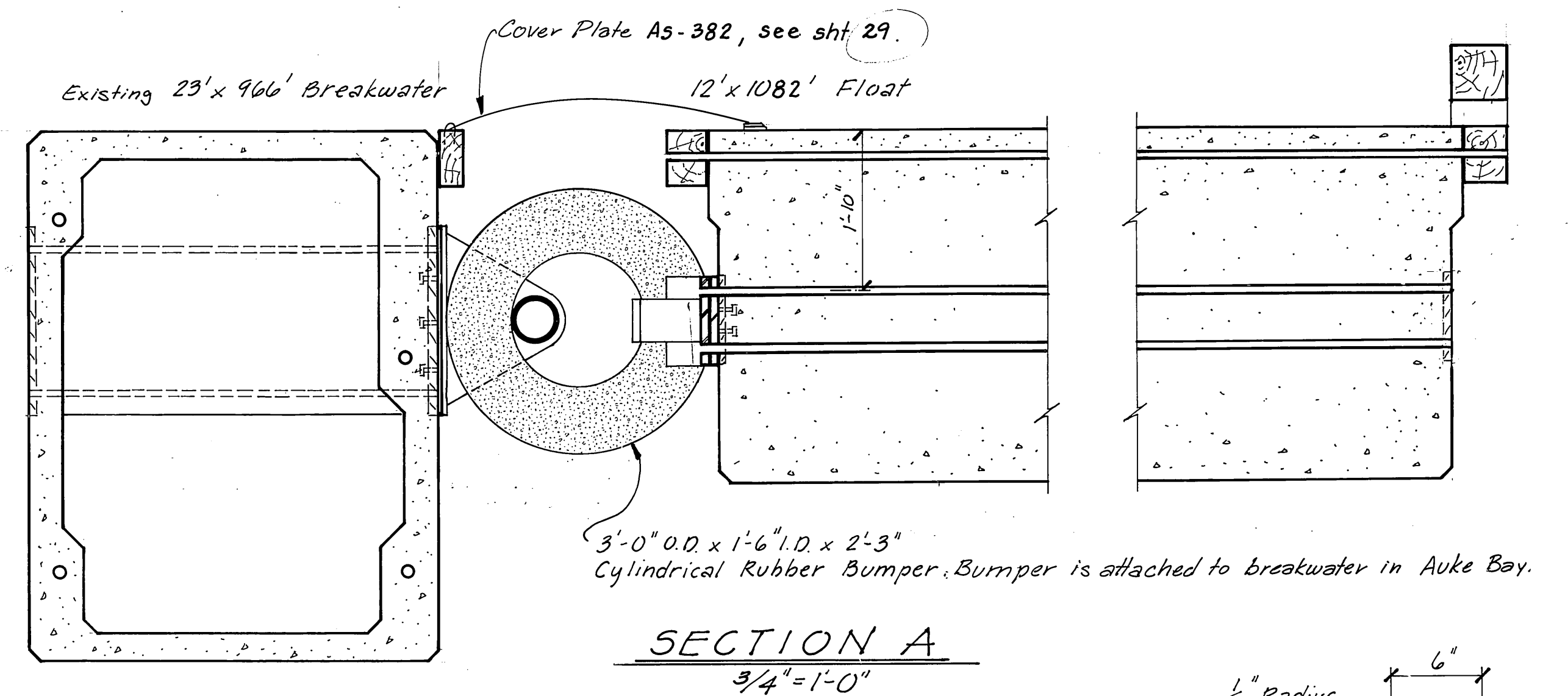
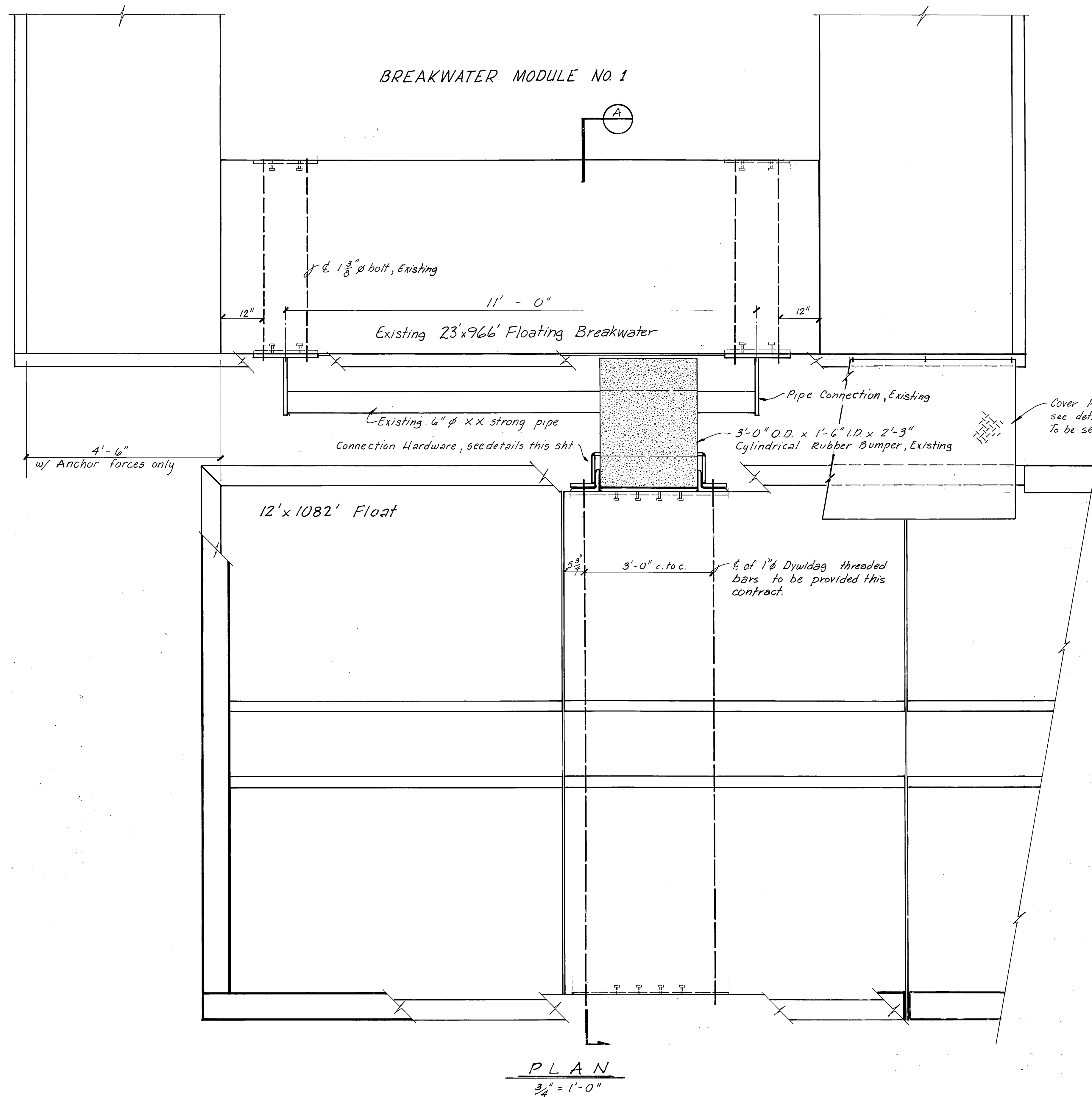


SECTION A-A



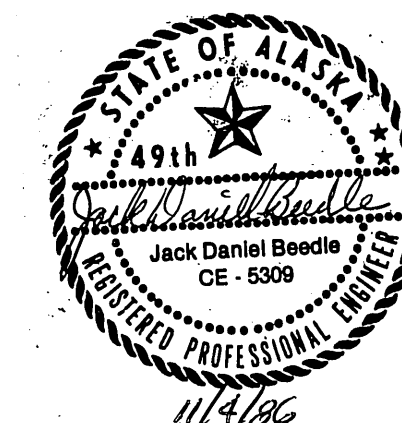
M.H.
10/3/87

STAMP	DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DESIGN AND CONSTRUCTION		
	Auke Bay Alaska FLOAT CONNECTION DETAILS AS FABRICATED		
	SCALE <u>As Shown</u> DESIGNED <u>CB</u> CHECKED <u>JB</u>	SURVEYED _____ DRAWN <u>JTM/DM</u> DATE <u>11-85</u>	APPROVED _____ _____ _____
PROJECT NUMBER <u>67664, 67016, 69106</u>	SHEET <u>27</u> OF <u>49</u>		



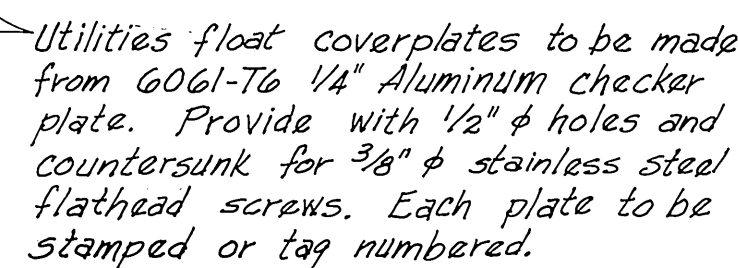
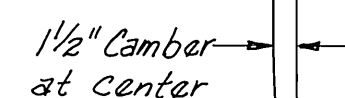
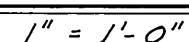
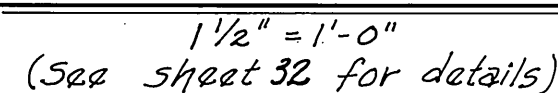
Float Connection Hardware
1 1/2" = 1'-0"

M.H.
10/3/87

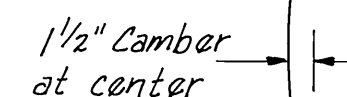
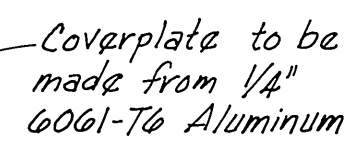


DO NOT SCALE THIS DRAWING -- USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DESIGN AND CONSTRUCTION		
Auke Bay		Alaska
FLOAT TO BREAKWATER CONNECTION AS FABRICATED		
SCALE <i>As Noted</i>	SURVEYED	APPROVED
DESIGNED <i>HJM/JS</i>	DRAWN <i>JTM</i>	
CHECKED <i>[Signature]</i>	DATE <i>11-85</i>	
PROJECT NUMBER <i>67664, 67016, 67106</i>	SHEET <i>28</i> OF <i>49</i>	

<p>STAMP</p> <div data-bbox="2397 1677 2572 1850"> <p>11/7/96</p> </div>	<p>DO NOT SCALE THIS DRAWING – USE DIMENSIONS</p> <p>STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DESIGN AND CONSTRUCTION</p> <p><i>Auke Bay</i> <i>Alaska</i></p> <p>COVERPLATE DETAILS AS FABRICATED</p> <table border="1" data-bbox="2591 1809 3118 1875"> <tr> <td data-bbox="2591 1809 2725 1828">SCALE <i>3/4" = 1'-0"</i> <i>or As Noted</i></td> <td data-bbox="2725 1809 2853 1828">SURVEYED <i>JS</i></td> <td data-bbox="2853 1809 3118 1828" rowspan="3">APPROVED </td> </tr> <tr> <td data-bbox="2591 1828 2725 1850">DESIGNED <i>JS</i></td> <td data-bbox="2725 1828 2853 1850">DRAWN <i>DB</i></td> </tr> <tr> <td data-bbox="2591 1850 2725 1875">CHECKED <i>JS</i></td> <td data-bbox="2725 1850 2853 1875">DATE <i>11-85</i></td> </tr> </table> <table border="1" data-bbox="2591 1875 3118 1901"> <tr> <td data-bbox="2591 1875 2853 1901">PROJECT NUMBER <i>67664, 67016, 67016</i></td> <td data-bbox="2853 1875 3118 1901">SHEET <i>29</i> OF <i>49</i></td> </tr> </table>	SCALE <i>3/4" = 1'-0"</i> <i>or As Noted</i>	SURVEYED <i>JS</i>	APPROVED 	DESIGNED <i>JS</i>	DRAWN <i>DB</i>	CHECKED <i>JS</i>	DATE <i>11-85</i>	PROJECT NUMBER <i>67664, 67016, 67016</i>	SHEET <i>29</i> OF <i>49</i>
SCALE <i>3/4" = 1'-0"</i> <i>or As Noted</i>	SURVEYED <i>JS</i>	APPROVED 								
DESIGNED <i>JS</i>	DRAWN <i>DB</i>									
CHECKED <i>JS</i>	DATE <i>11-85</i>									
PROJECT NUMBER <i>67664, 67016, 67016</i>	SHEET <i>29</i> OF <i>49</i>									


$$I'' = I' - O'$$


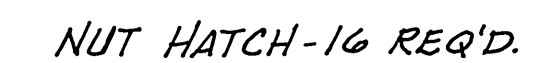
(6 Required between 240' breakwater units, made of 6061-T6 3/8" thick plate with checker pattern slip resistant surface, typical. See sheet (3) for general location of plates.)


$$1/2'' = 1'-0''$$


— Provide with $\frac{1}{2}" \phi$ holes and countersink for $\frac{3}{8}" \phi$ s.s. flathead machine screws


—Coverplate to be made from
1/4" 6061-T6 Aluminum

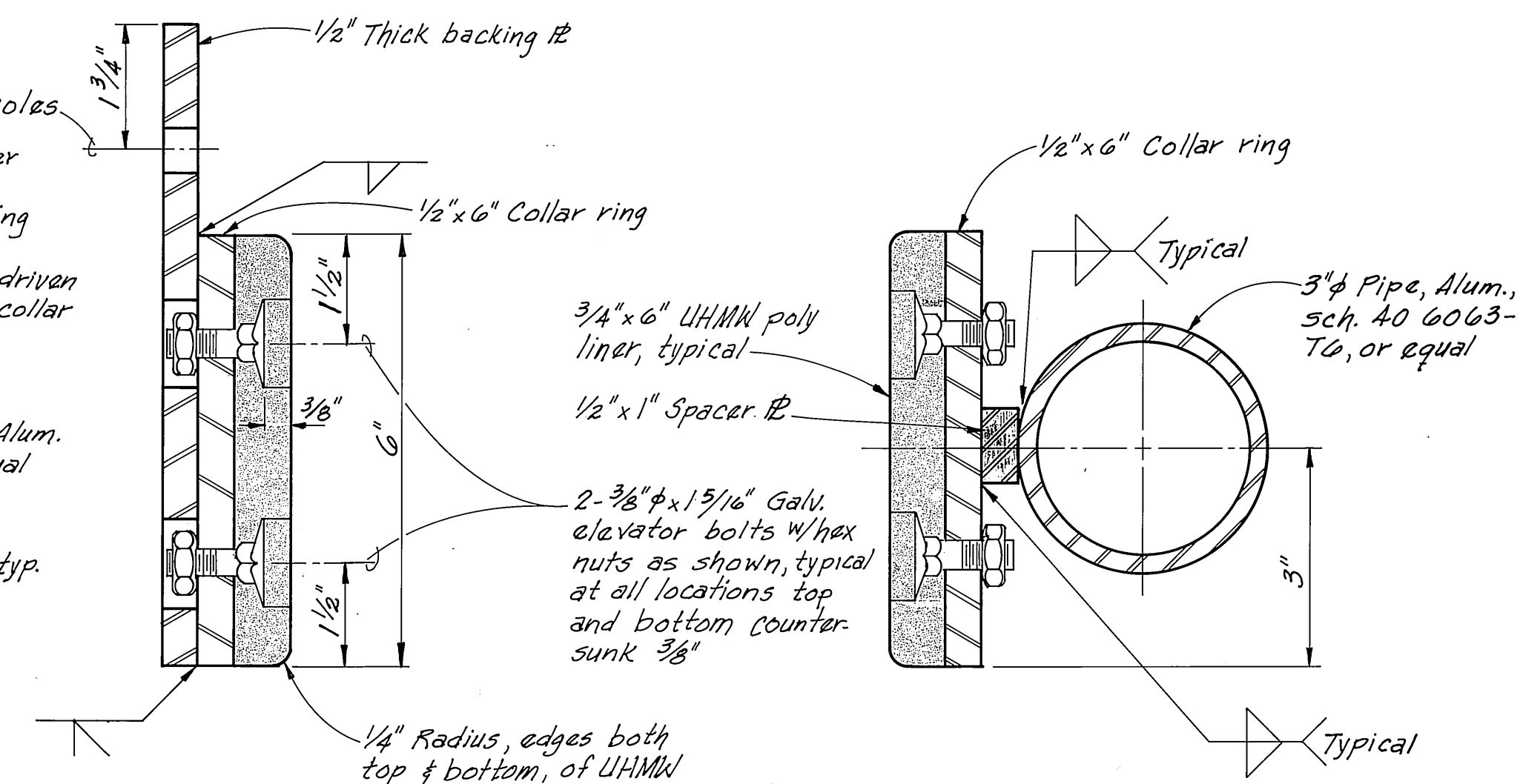
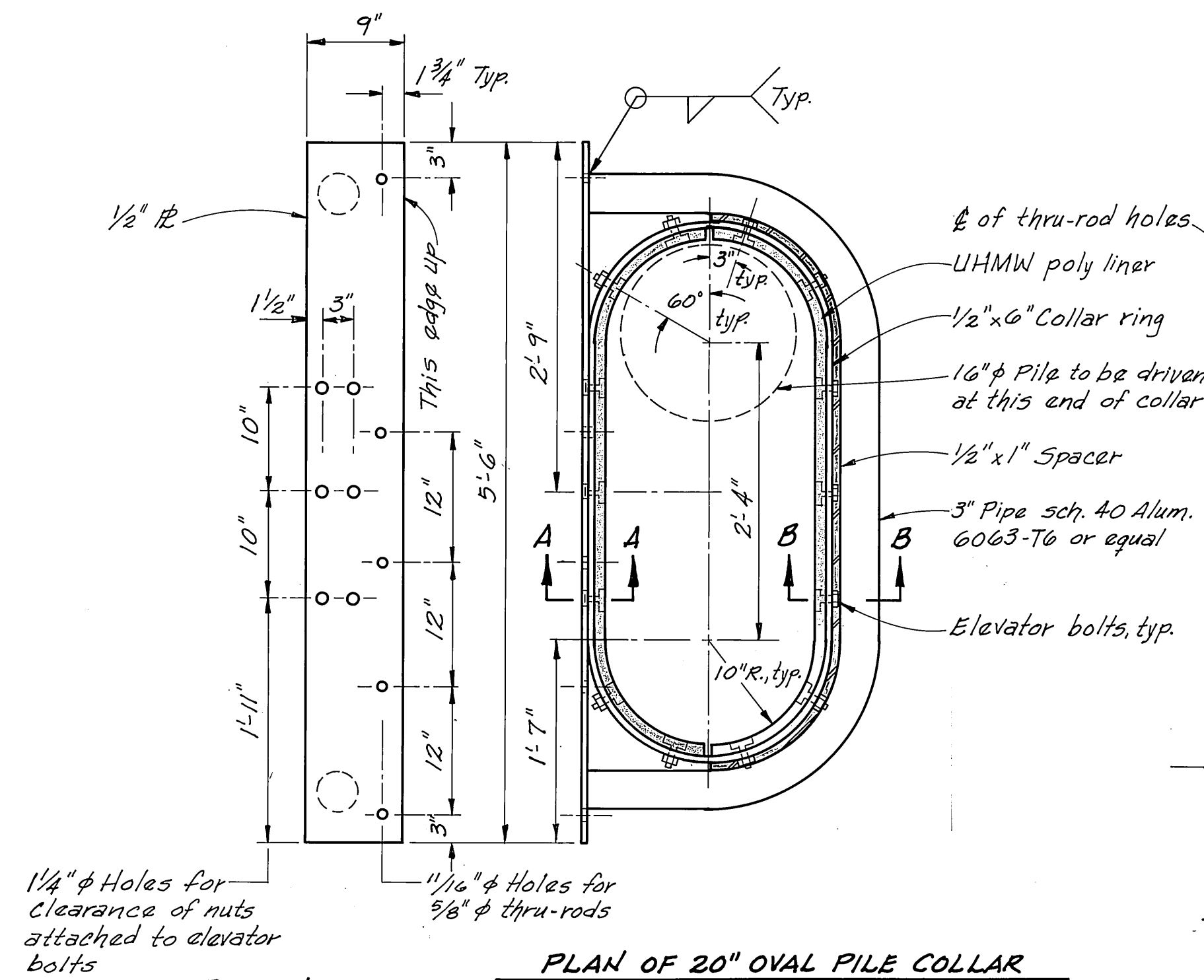
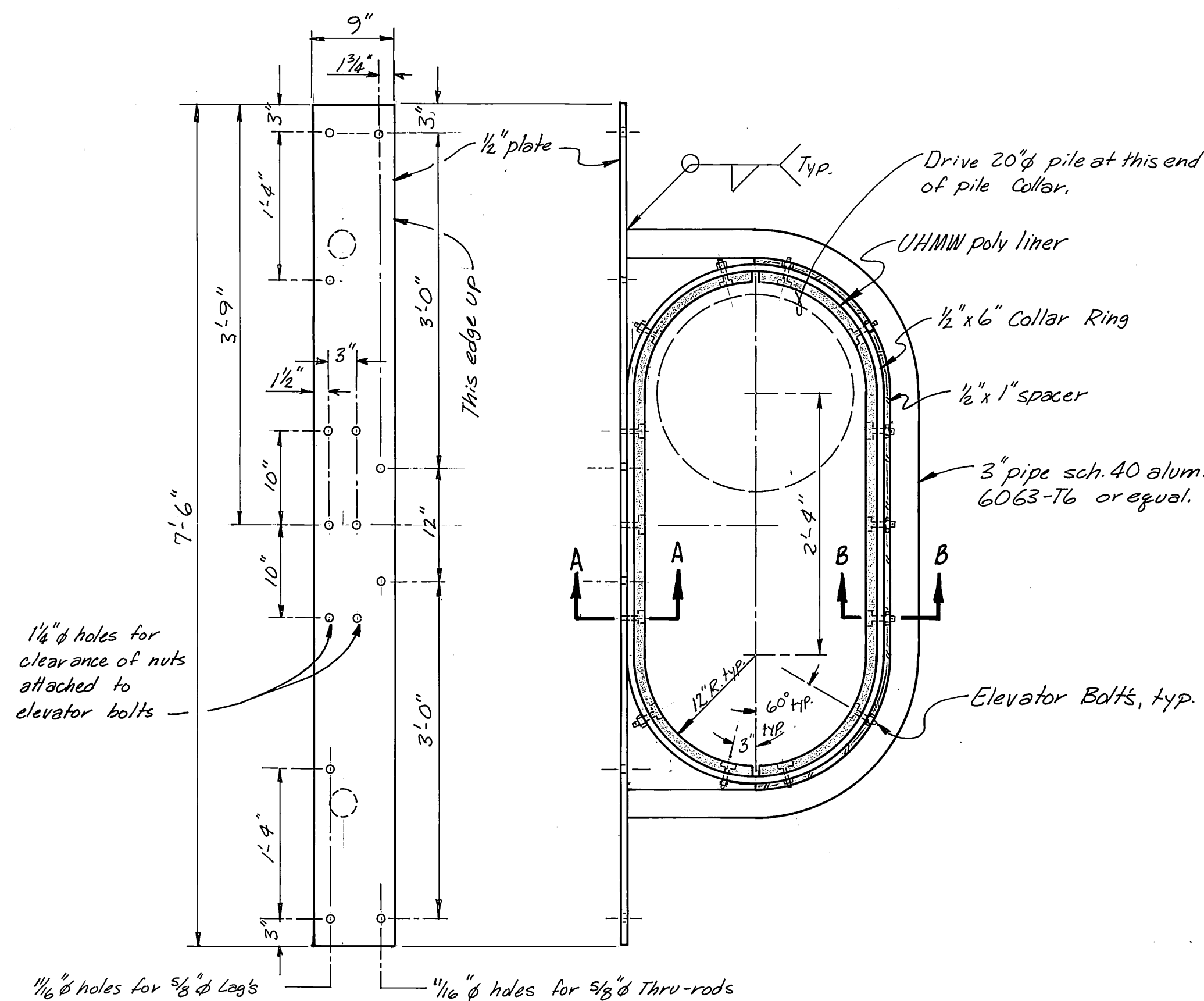
Provide with $\frac{1}{2}$ " ϕ holes and countersink for $\frac{3}{8}$ " ϕ S.S. flathead machine screws

$$I'' = I' - O''$$

$$1'' = 1' - 0''$$

NOTES:

1. Tensioning unit coverplates are to be made from 6061-T6, 1/4" Aluminum checker plate.
2. Provide plates with 3/16" ϕ holes, and countersunk for 1/4" ϕ x 2 1/2" long stainless steel flathead wood screws.

<p>STAMP</p>  <p style="text-align: center;">11/9/88</p>	<p>DO NOT SCALE THIS DRAWING — USE DIMENSIONS</p> <p>STATE OF ALASKA</p> <p>DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES</p> <p style="font-size: 1.2em;">Auke Bay Alaska</p> <p style="font-size: 1.5em; text-align: center;">COVER PLATES To Be Fabricated</p>								
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DESIGNED _____</td> <td style="width: 25%;">CHECKED _____</td> <td style="width: 25%;">DRAWN <u>BWB</u></td> <td style="width: 25%;">DATE _____</td> </tr> <tr> <td colspan="2">PROJECT NUMBER <u>67664, 69016, 69106</u></td> <td>SHEET <u>30</u></td> <td>OF <u>49</u></td> </tr> </table>	DESIGNED _____	CHECKED _____	DRAWN <u>BWB</u>	DATE _____	PROJECT NUMBER <u>67664, 69016, 69106</u>		SHEET <u>30</u>	OF <u>49</u>
DESIGNED _____	CHECKED _____	DRAWN <u>BWB</u>	DATE _____						
PROJECT NUMBER <u>67664, 69016, 69106</u>		SHEET <u>30</u>	OF <u>49</u>						



BACKING PLATE
1"=1'-0"

PLAN of 24" OVAL
PILE COLLAR
1"=1'-0"

20" OVAL PILE COLLAR DETAILS

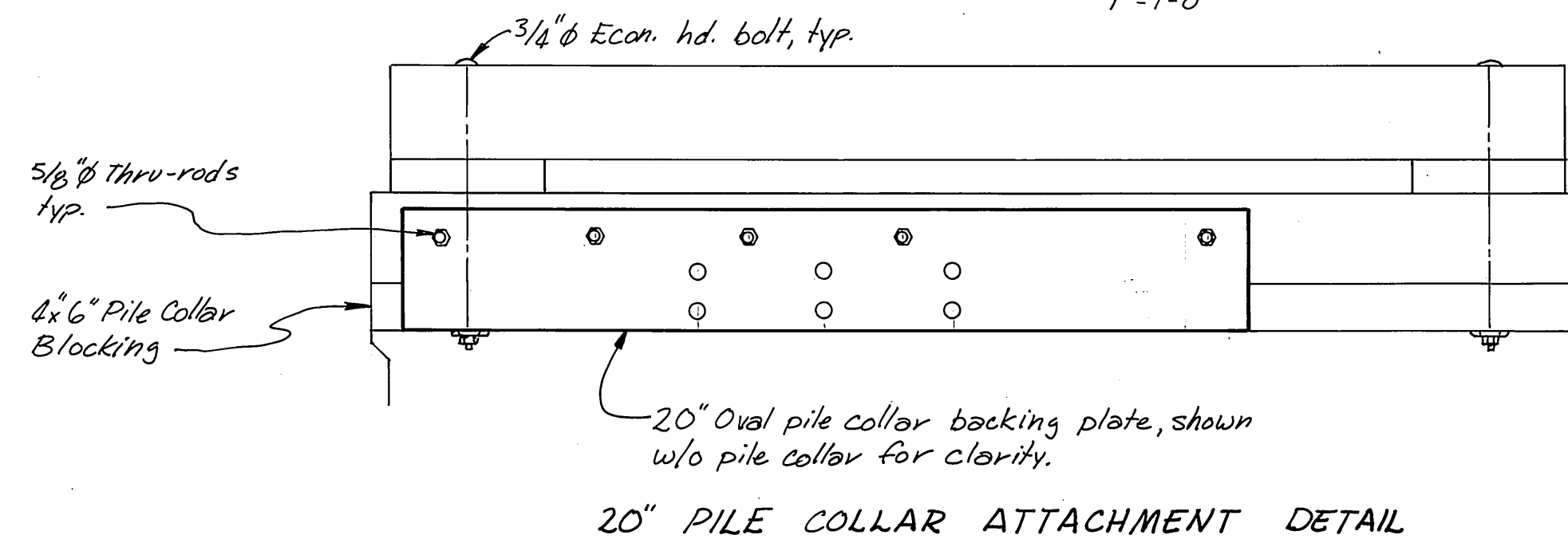
NOTES:

- All welds inside pile collar ring to be ground smooth.
- 3/4" x 6" UHMW Polyliner, as shown, to be hot molded to the proper radius and attached to collar ring with 14 Elevator Bolts per half collar.
- All plate and spacer to be 6061-T6 Alum. or equal. Pipe to be 6063-T6 or equal.
- Fabricator is to pre-assemble all components to assure proper fit.
- Pile Collar to be positioned on float PD42 as shown on sht. 10.
- Pile to be driven where shown after all chains have been tensioned.

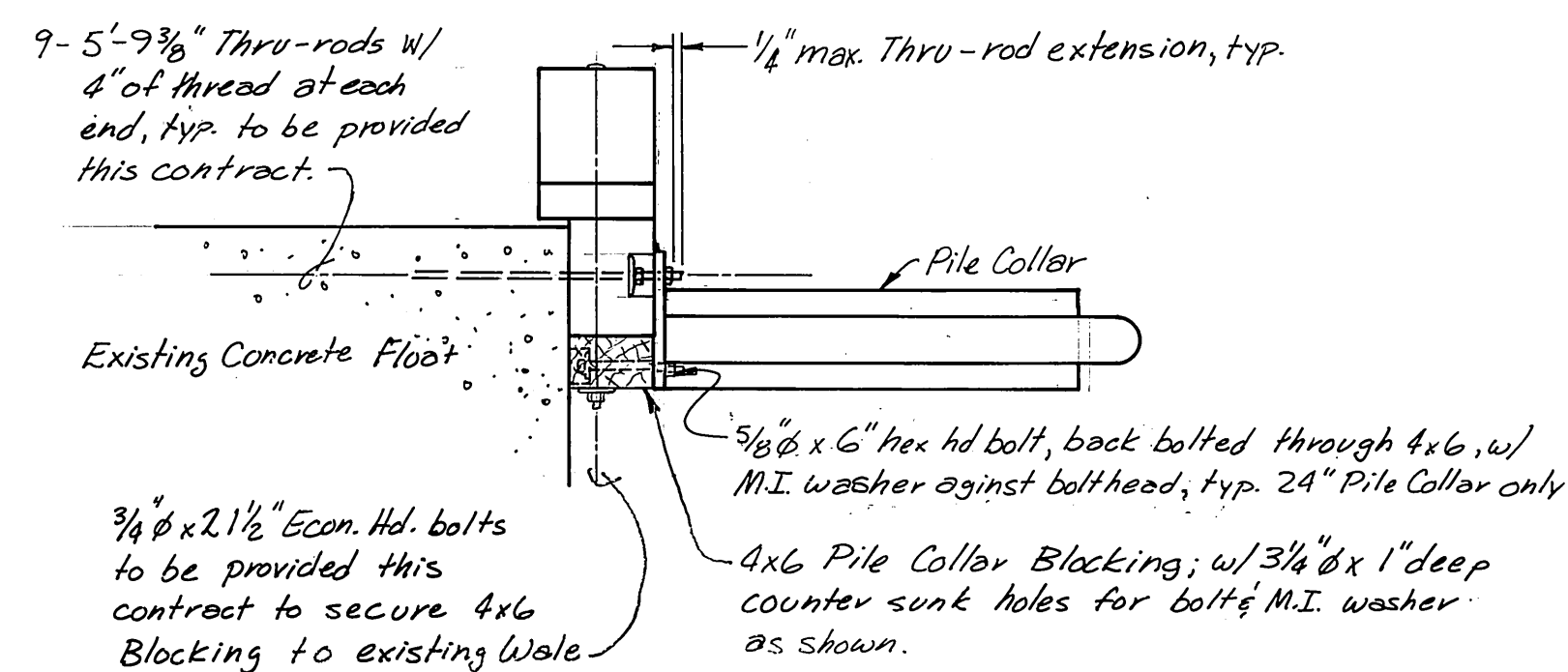
20" OVAL PILE COLLAR DETAILS

NOTES:

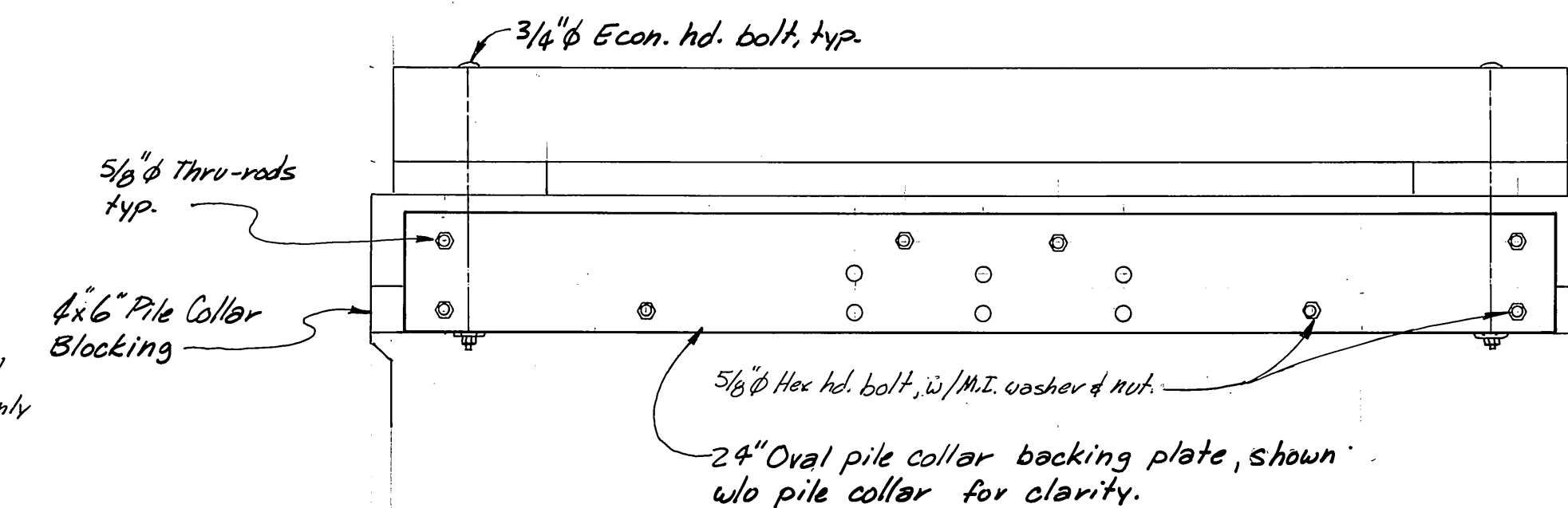
- All welds inside pile collar ring to be ground smooth.
- 3/4" x 6" UHMW poly liner, as shown, to be hot molded to the proper radius and attached to collar ring with 14 elevator bolts per half collar.
- Fabricator is to pre-assemble all components to assure proper fit.
- All plate and spacer are to be Aluminum 6061-T6 or equal. Pipe to be Aluminum 6063-T6 or equal.
- Pile to be driven as shown after all chains have been tensioned.
- Pile collar to be positioned as shown on sheet (11).



20" PILE COLLAR ATTACHMENT DETAIL



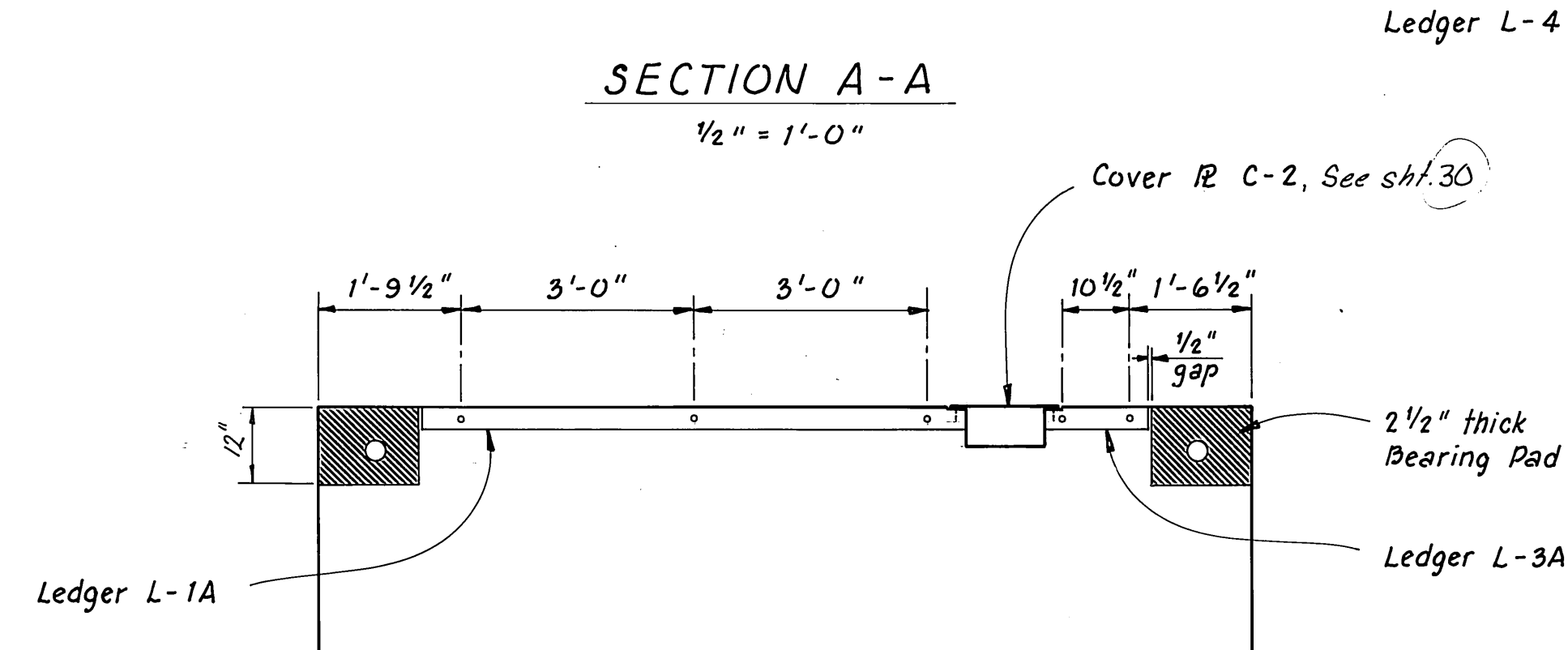
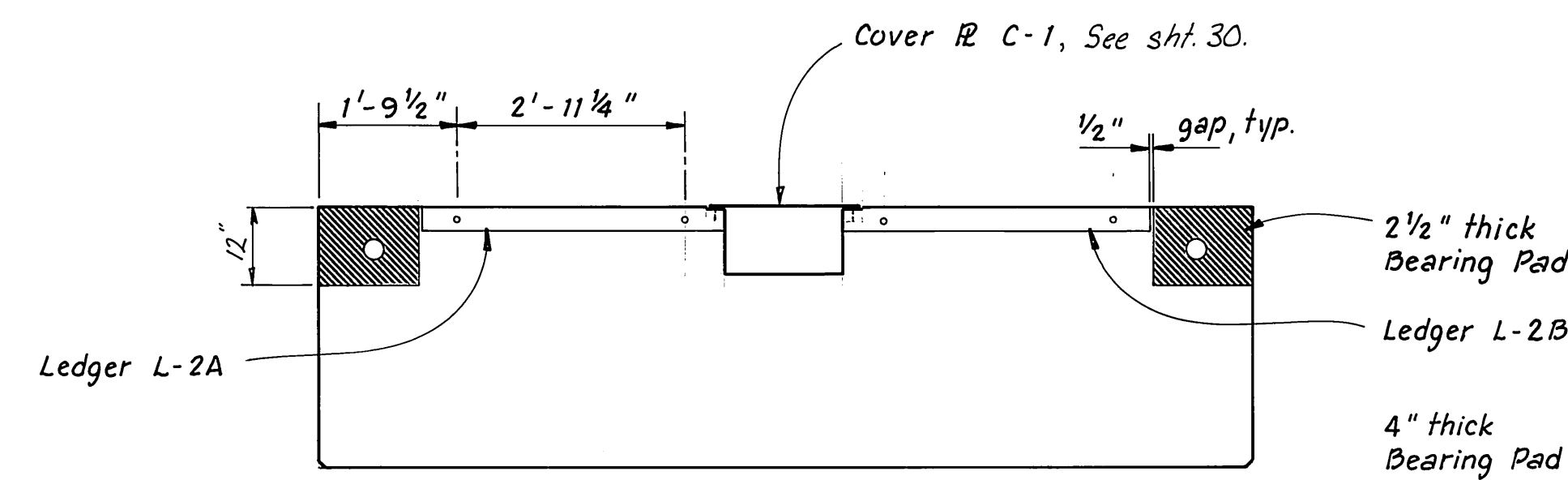
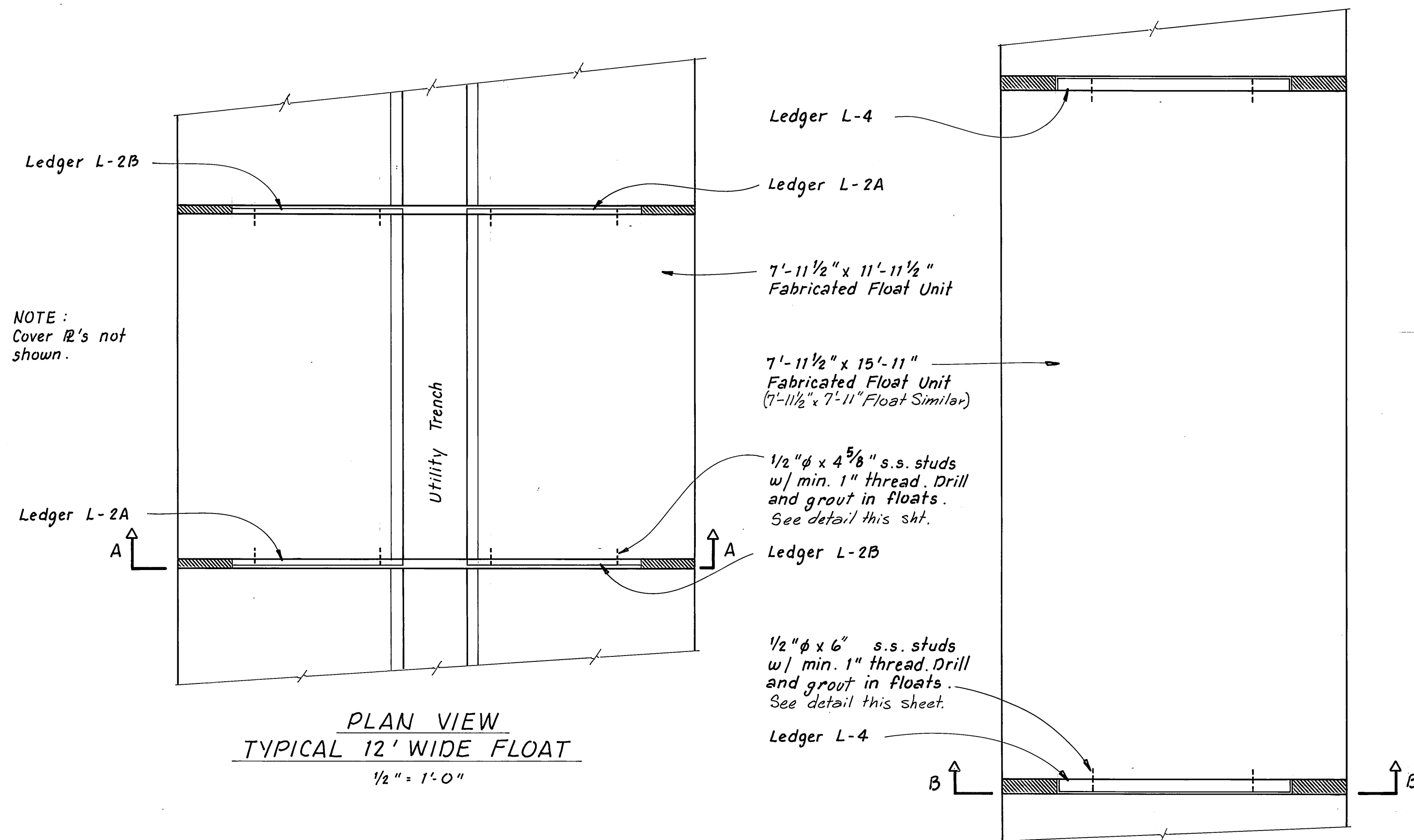
TYPICAL SIDE ELEVATION



24" PILE COLLAR ATTACHMENT DETAIL

M.H.
10/3/87

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA	
		DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
Auke Bay		Alaska	
20" & 24" OVAL PILE COLLAR & ATTACHMENT DETAILS			
DESIGNED DJM	CHECKED	DRAWN DJM	DATE 5-86
PROJECT NUMBER 67664, 69016, & 69106	SHEET 31		OF 49

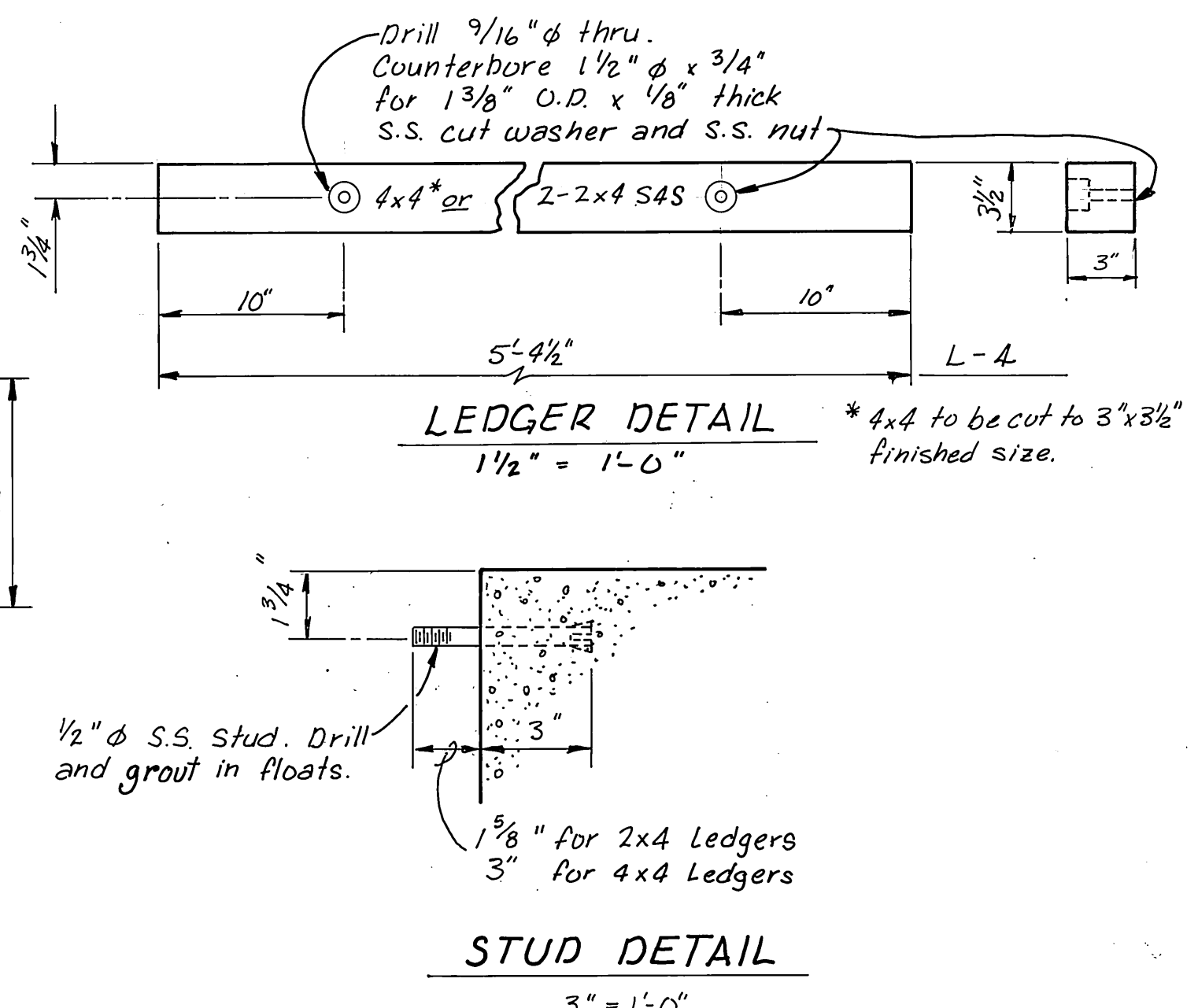
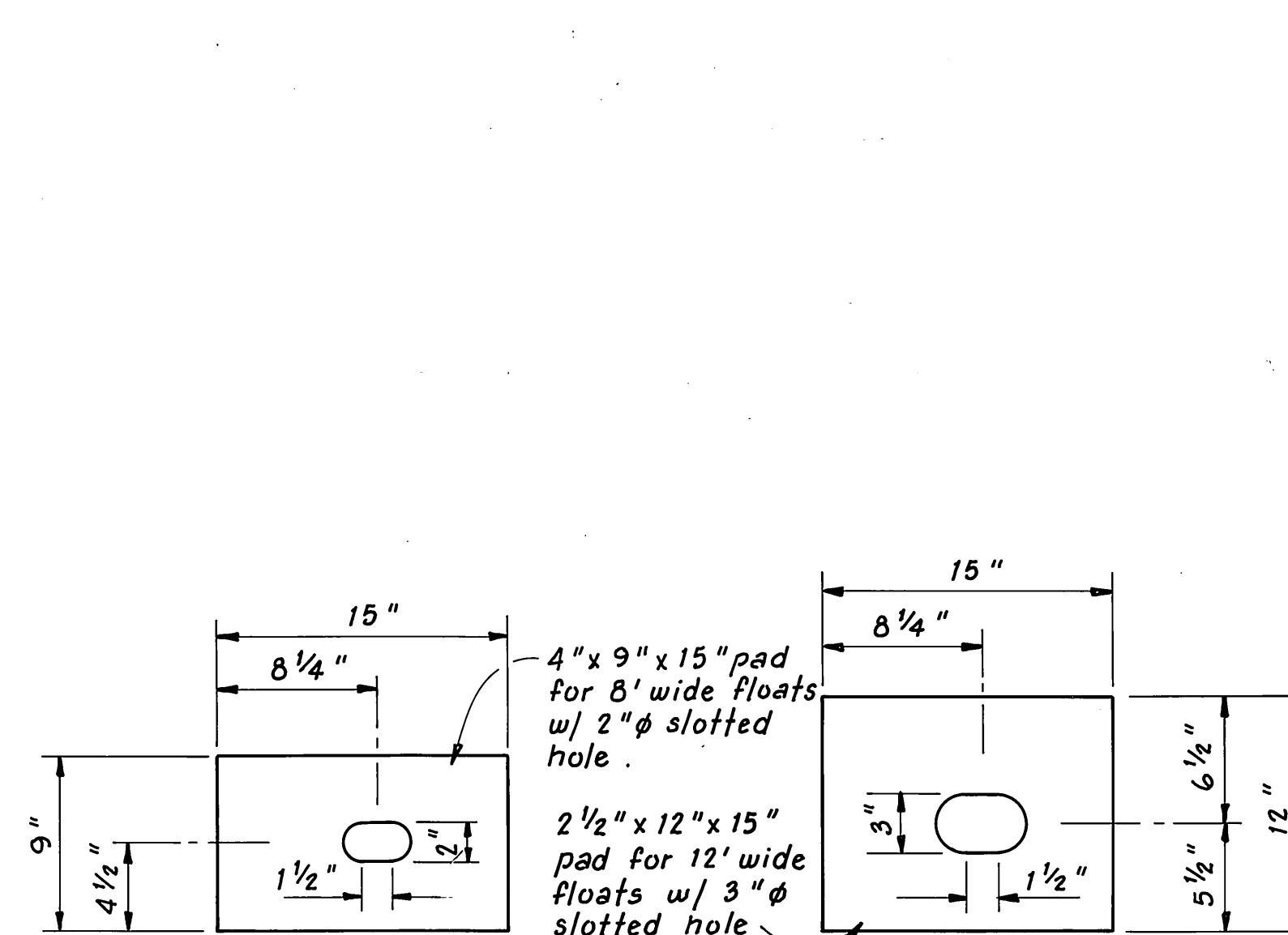
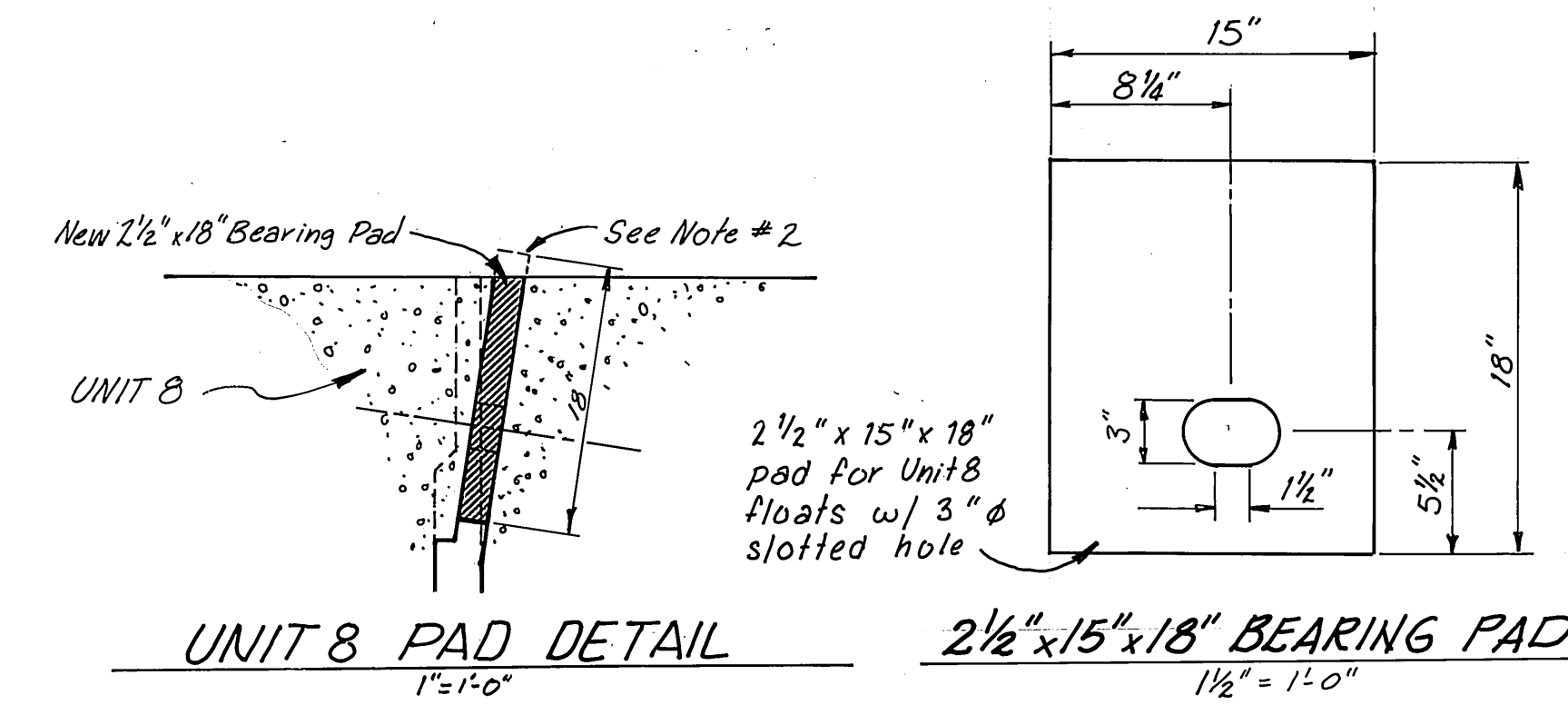
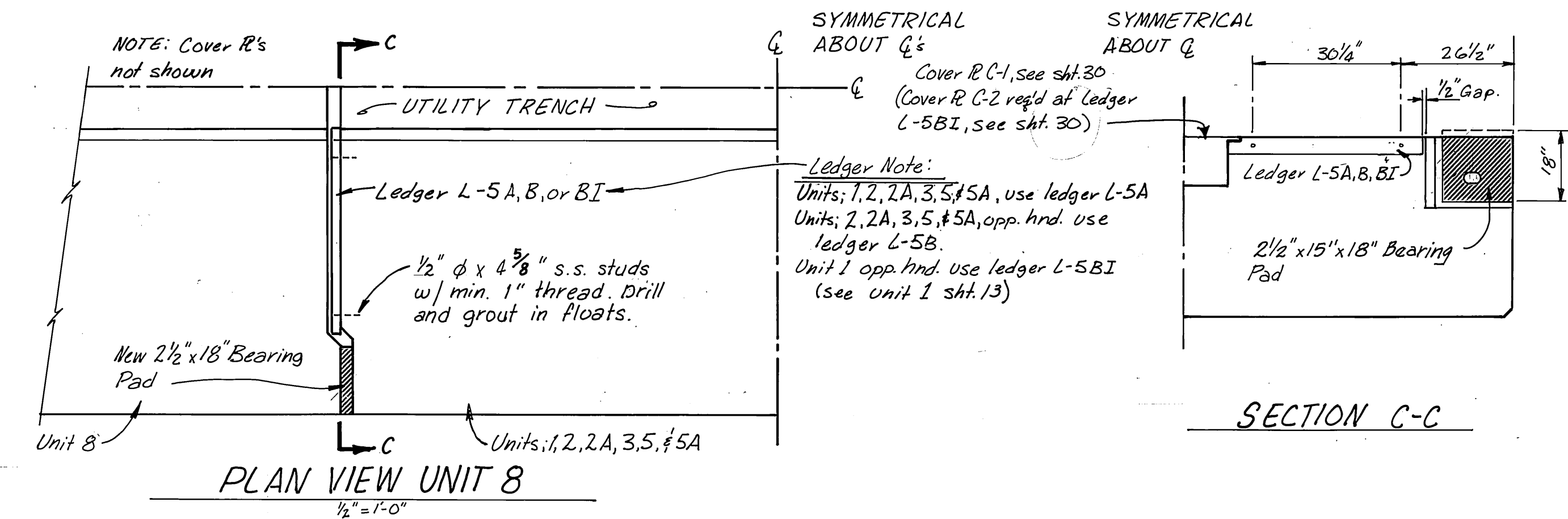
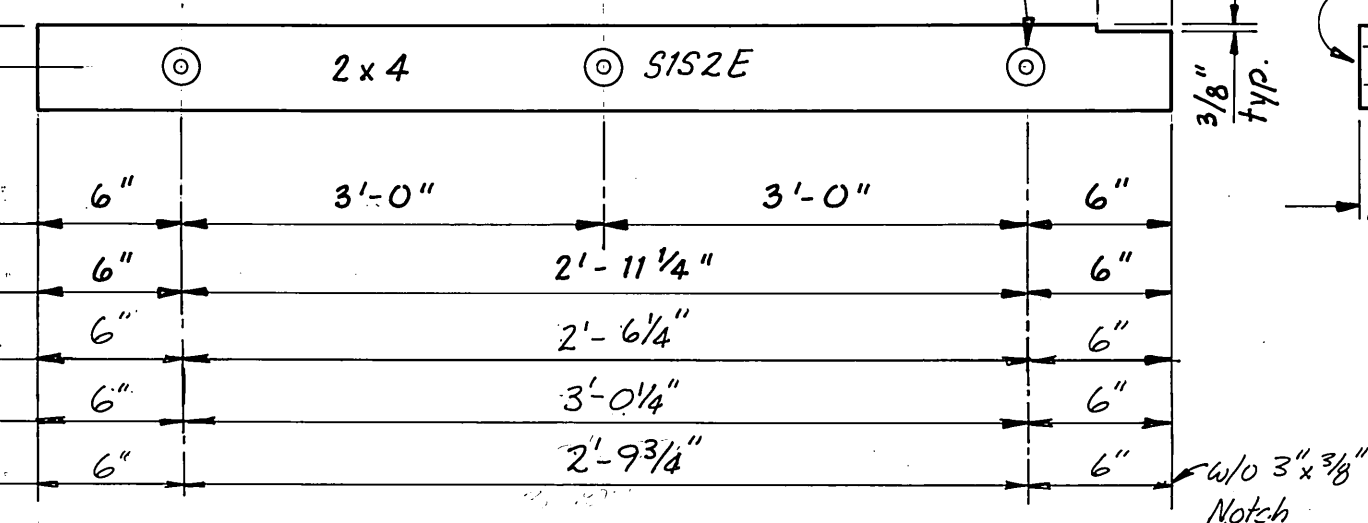


USCG FLOAT (SECTION A-A)

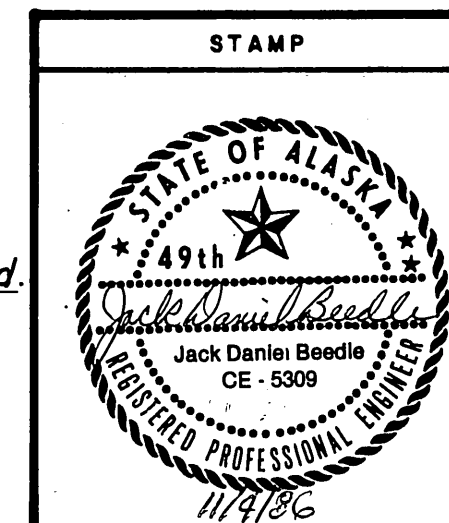
1/2" = 1'-0"

NOTE: For details of USCG Float, see sheet 17.


L-1A (L-1B opp. hnd.)	6"	3'-0"	3'-0"	6"
L-2A (L-2B opp. hnd.)	6"	2'-11 1/4"	6"	6"
L-5A (L-5B opp. hnd.)	6"	2'-6 1/4"	6"	6"
L-5BI opp. hnd.	6"	3'-0 1/4"	6"	6"
L-6A (L-6B opp. hnd.)	6"	2'-9 3/4"	6"	6"

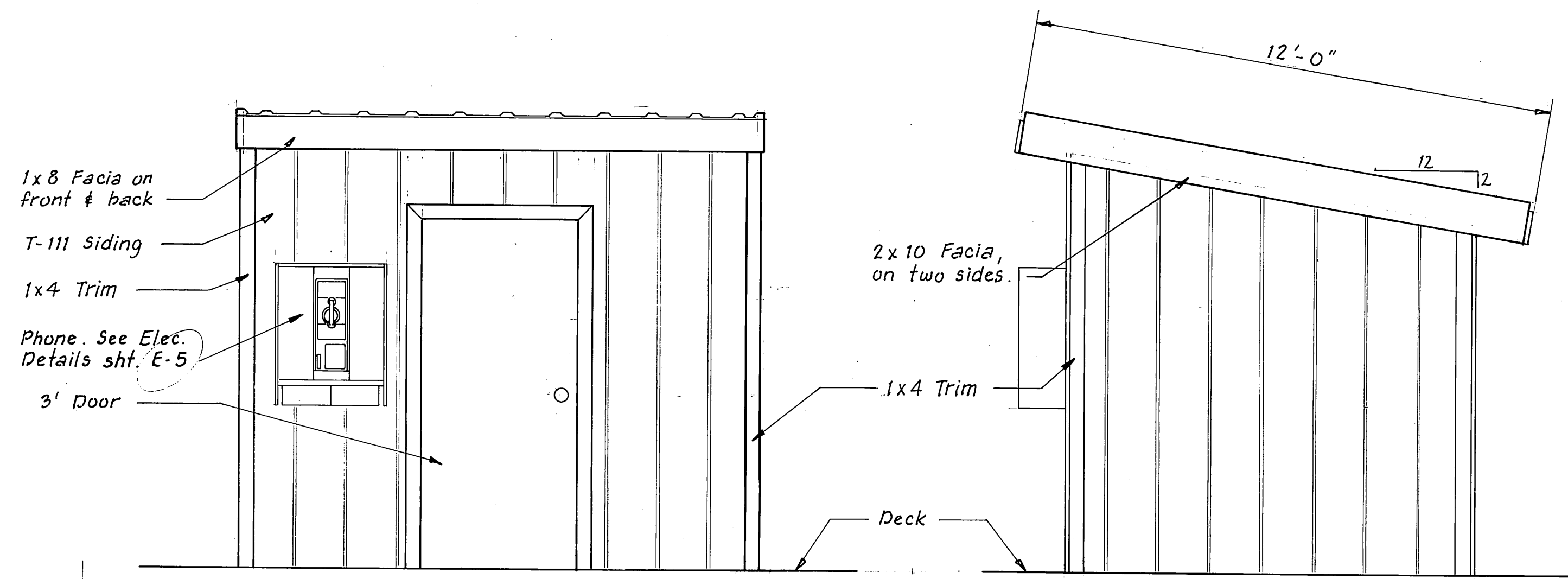


M.H.
10/3/87



DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
STATE OF ALASKA			
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
Auke Bay		Alaska	
BEARING PADS AND LEDGERS			
DESIGNED JDB	CHECKED	DRAWN T.S.	DATE 4-86
PROJECT NUMBER 67664, 69106, 69016	SHEET 32		OF 49

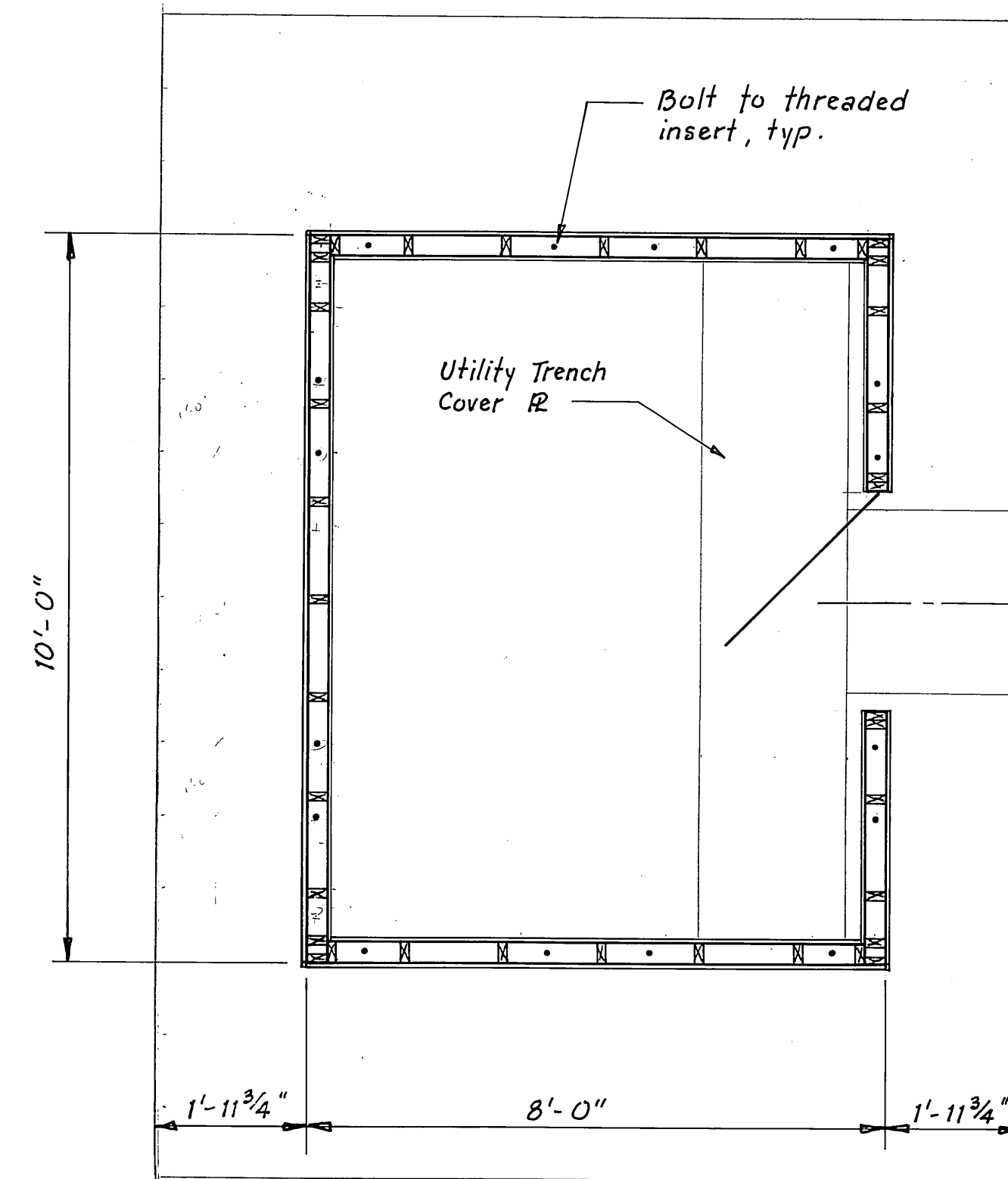
<p style="text-align: center; margin: 0;">STAMP</p> <div style="text-align: center;">  </div> <p style="text-align: center; margin-top: 10px;">11/4/86</p>	<p style="text-align: center; margin: 0;">DO NOT SCALE THIS DRAWING — USE DIMENSIONS</p> <hr/> <p style="text-align: center; margin: 0;">STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DESIGN AND CONSTRUCTION</p> <hr/> <p style="margin: 0;"><i>Auke Bay</i> <i>Alaska</i></p> <p style="text-align: center; font-size: 1.2em; margin: 0;"><i>8"x8" TIE DOWN RAIL, D-FENDER, CORNER FENDER & MISC. DETAILS</i></p>	
<p>SCALE <i>As Shown</i></p> <p>DESIGNED <i>JDB</i></p> <p>CHECKED <i>J</i></p>	<p>SURVEYED _____</p> <p>DRAWN <i>WIN/DM</i></p> <p>DATE <i>11-85</i></p>	<p>APPROVED _____</p> <p>_____</p> <p>_____</p>
<p>PROJECT NUMBER <i>67664, 67016, 67106</i></p>	<p>SHEET <i>33</i> OF <i>49</i></p>	



FRONT

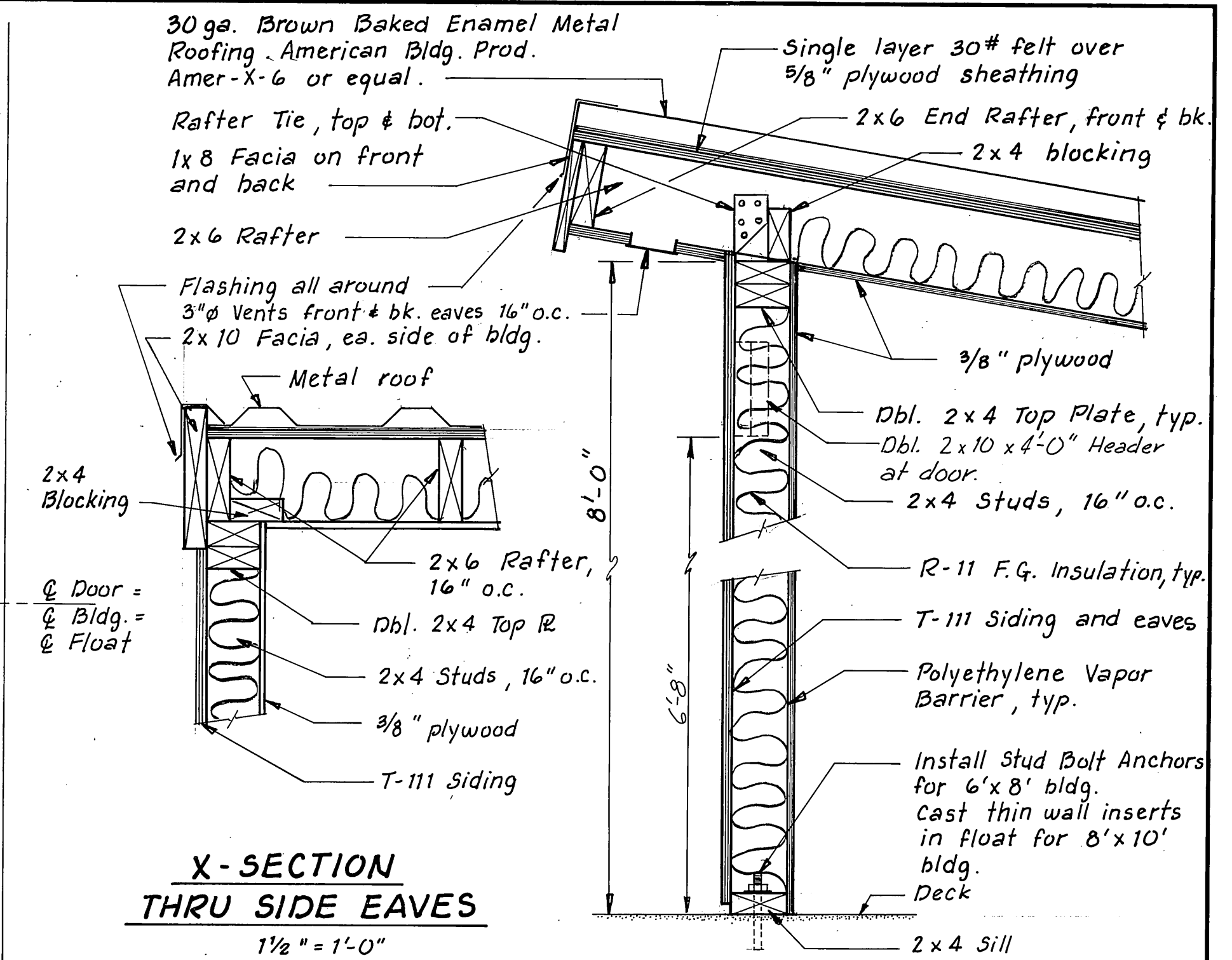
SIDE

DELETED
UTILITIES BUILDING
1/2" = 1'-0"

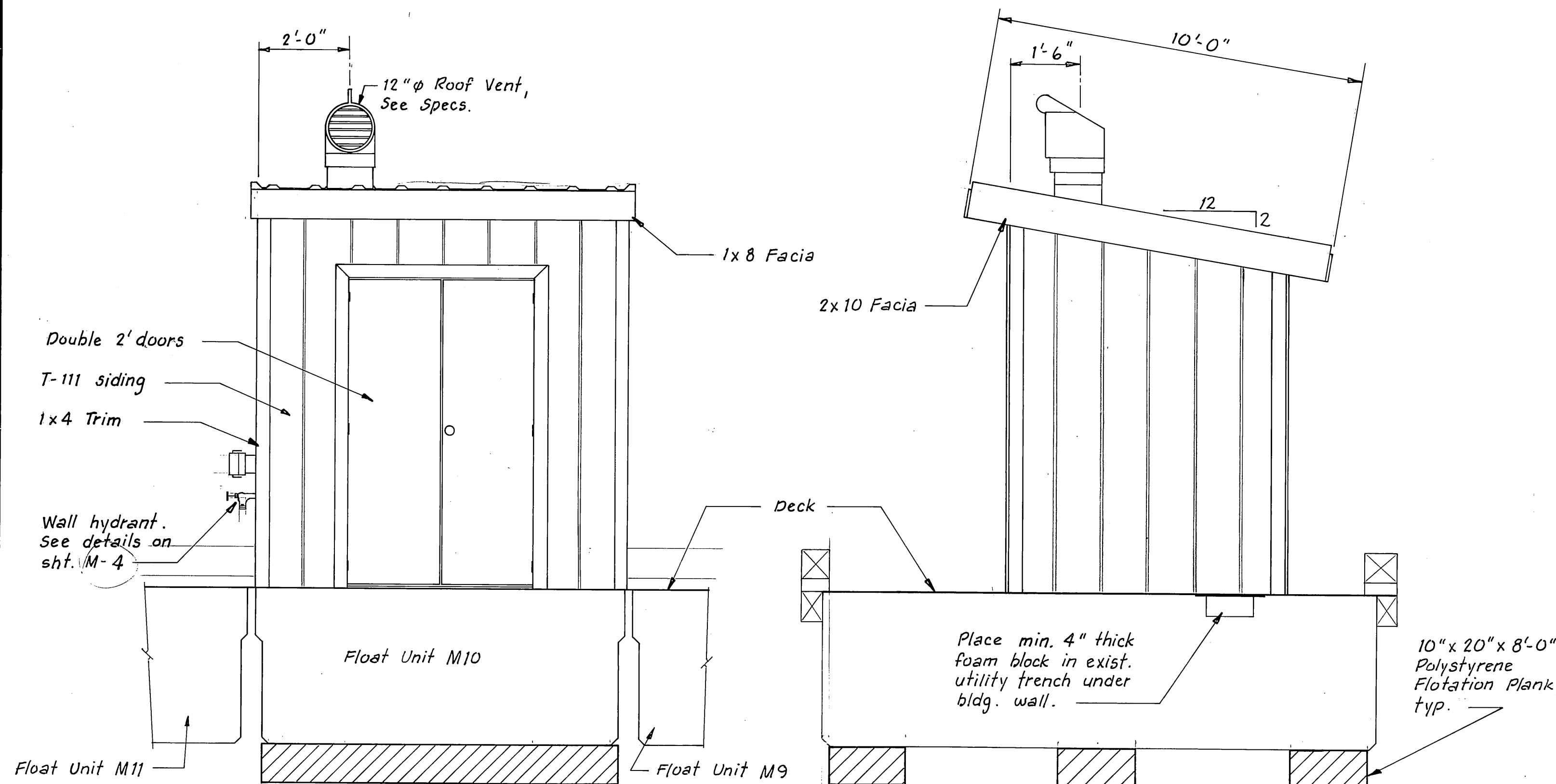


DELETED
PLAN VIEW
UTILITIES BUILDING
1/2" = 1'-0"

NOTE: ROOF FLASHING NOT SHOWN.



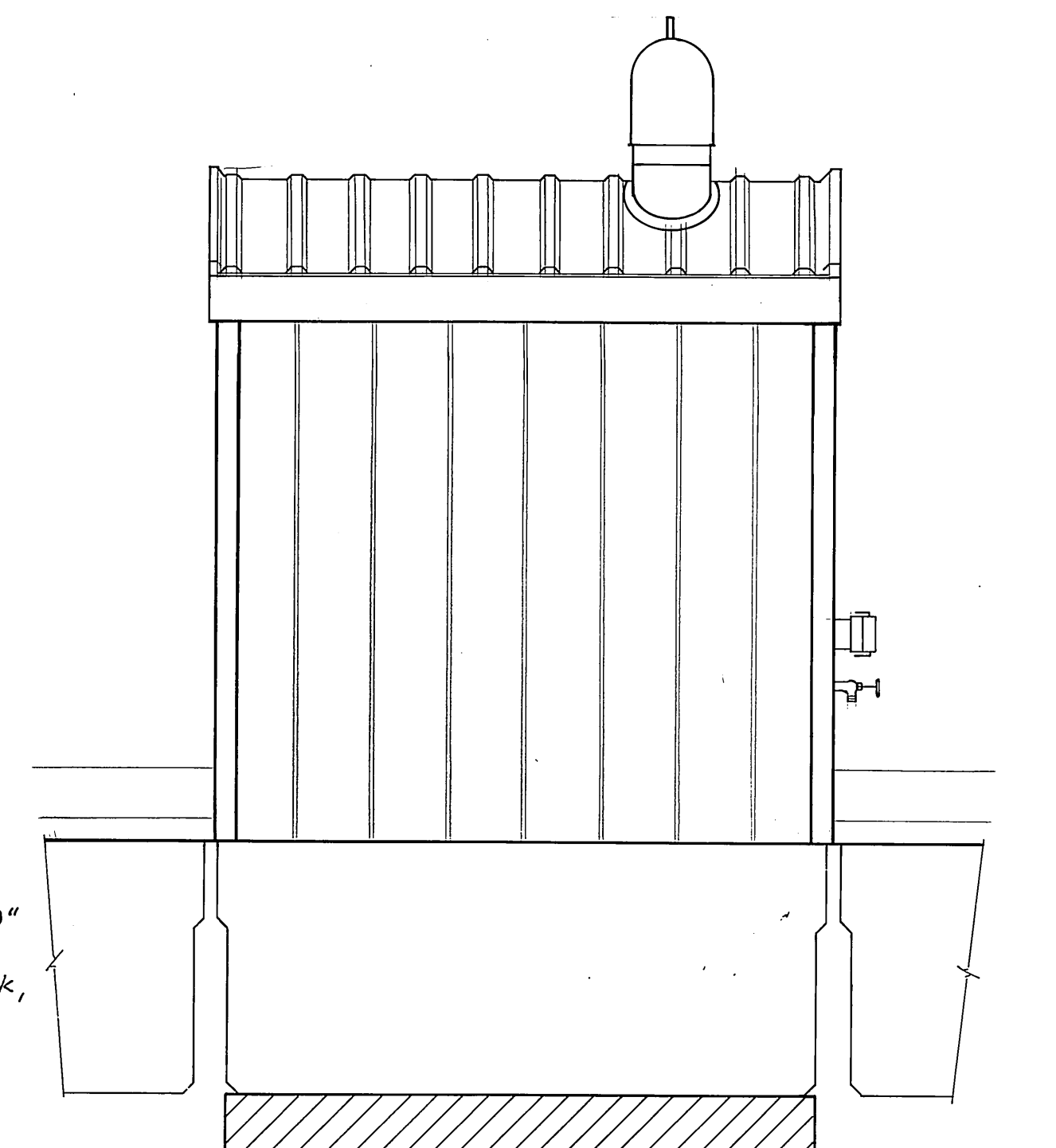
TYP. WALL SECTION
1 1/2" = 1'-0"



FRONT

SIDE

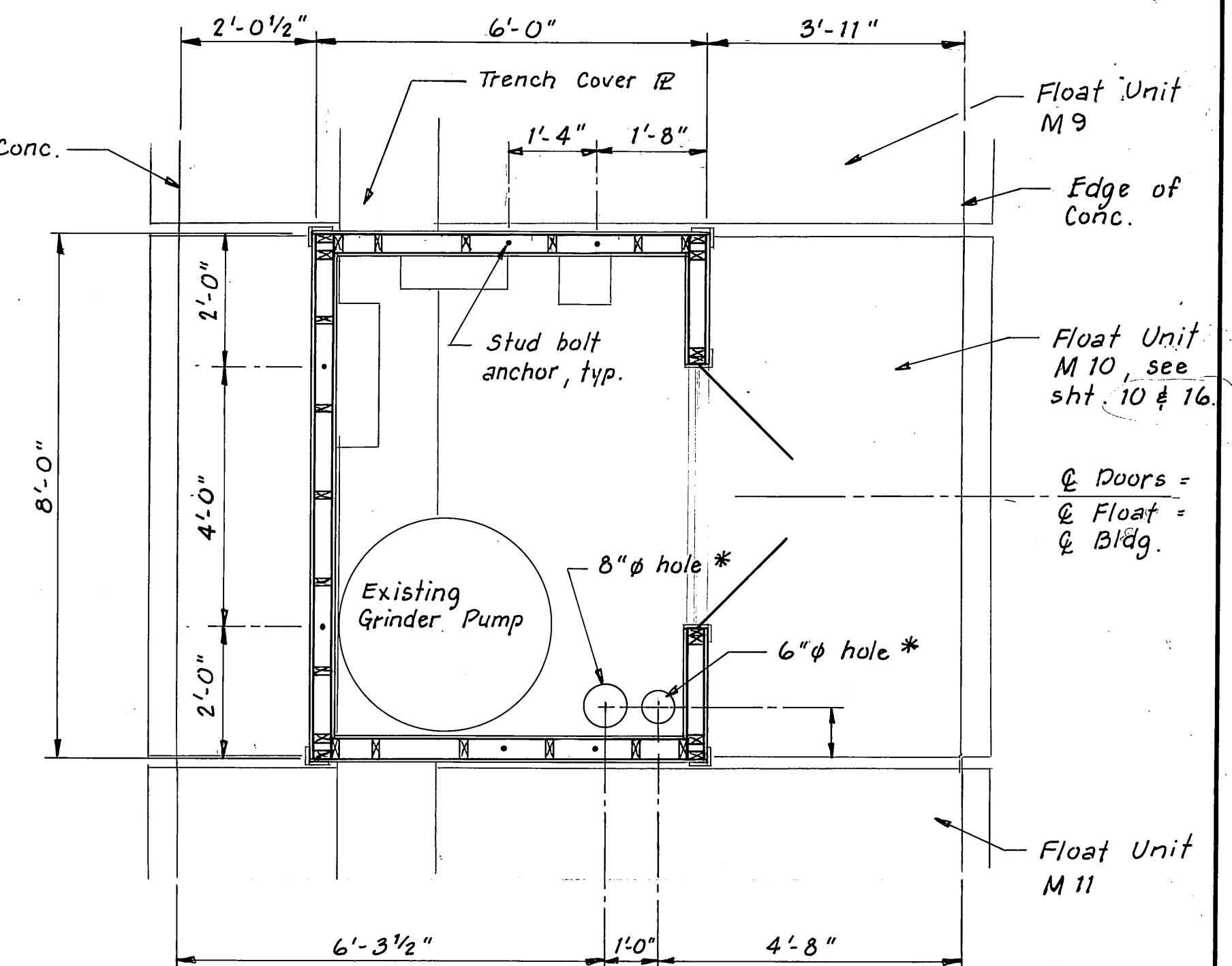
USCG SEWAGE PUMP BLDG.
1/2" = 1'-0"



BACK UTILITIES BUILDING
DELETED

Main Float (Unit 5)

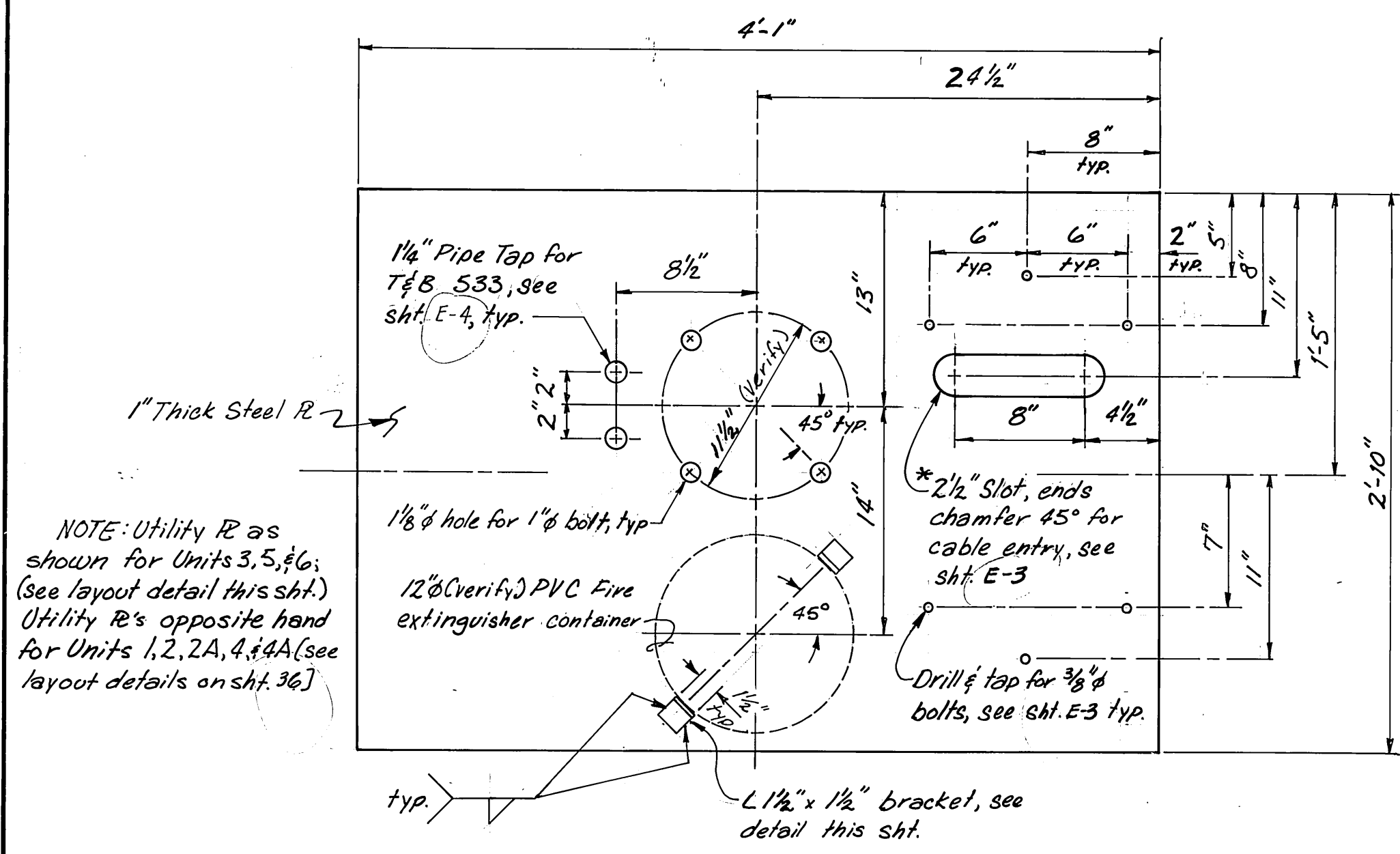
Edge of Conc.



PLAN VIEW - USCG SEWAGE PUMP BLDG.
1/2" = 1'-0"

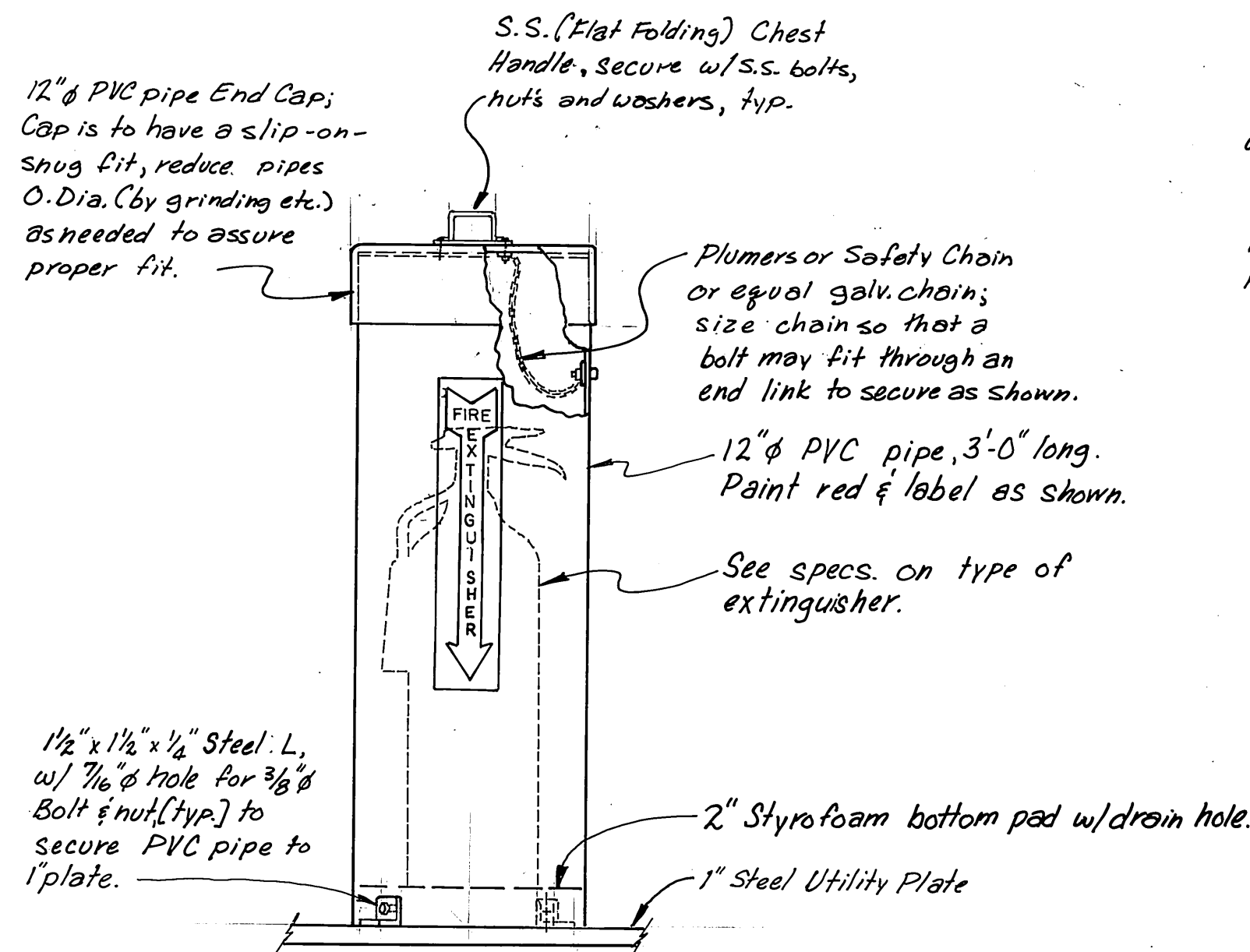
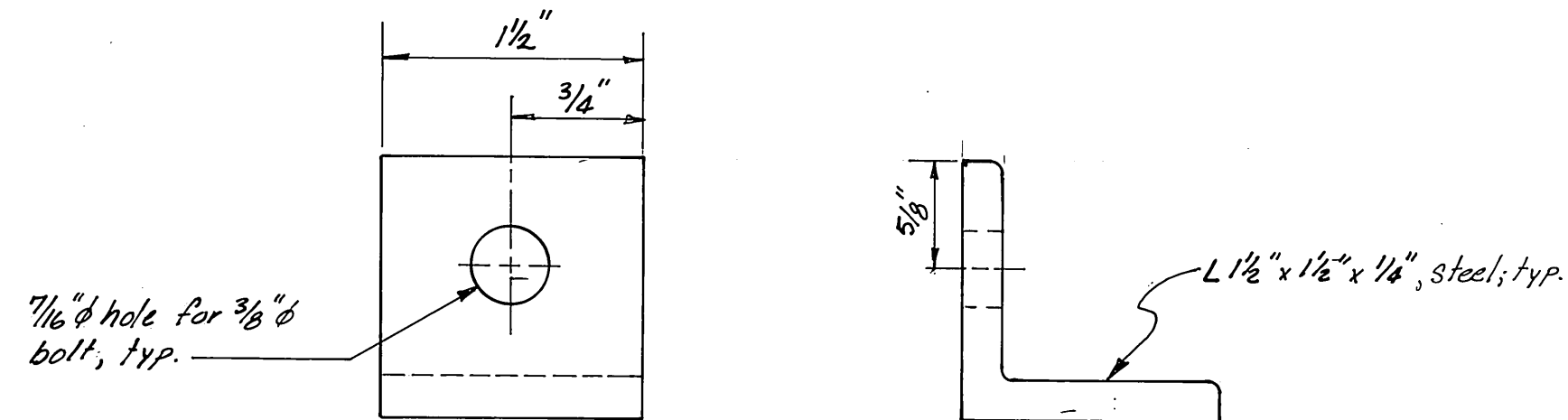
* Cut 11" Ø and 9" Ø holes through float. Insert 8" Ø and 6" Ø plastic pipe in holes and grout in place.

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES Auke Bay Alaska USCG SEWAGE PUMP BLDG. & UTILITIES BLDG.	
DESIGNED	JD	CHECKED	Q
PROJECT NUMBER	67664, 69016, 69106	DRAWN	TS
		DATE	5-86
		SHEET	34 OF 49

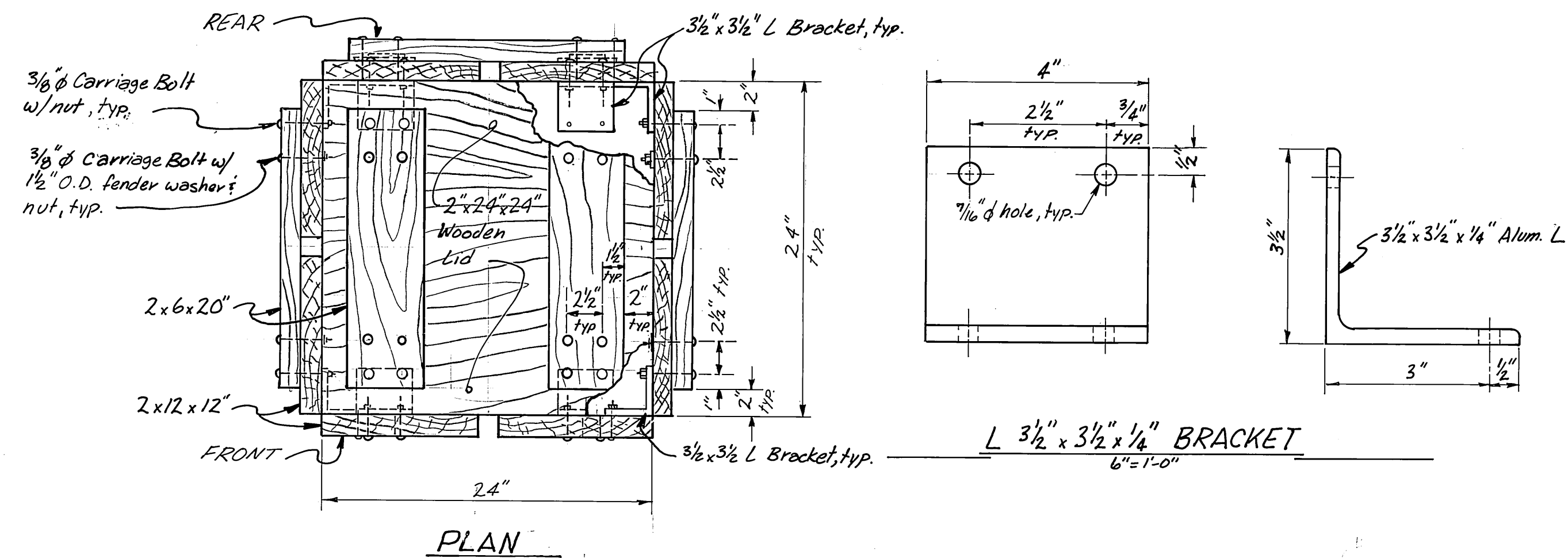


UTILITY R DETAIL

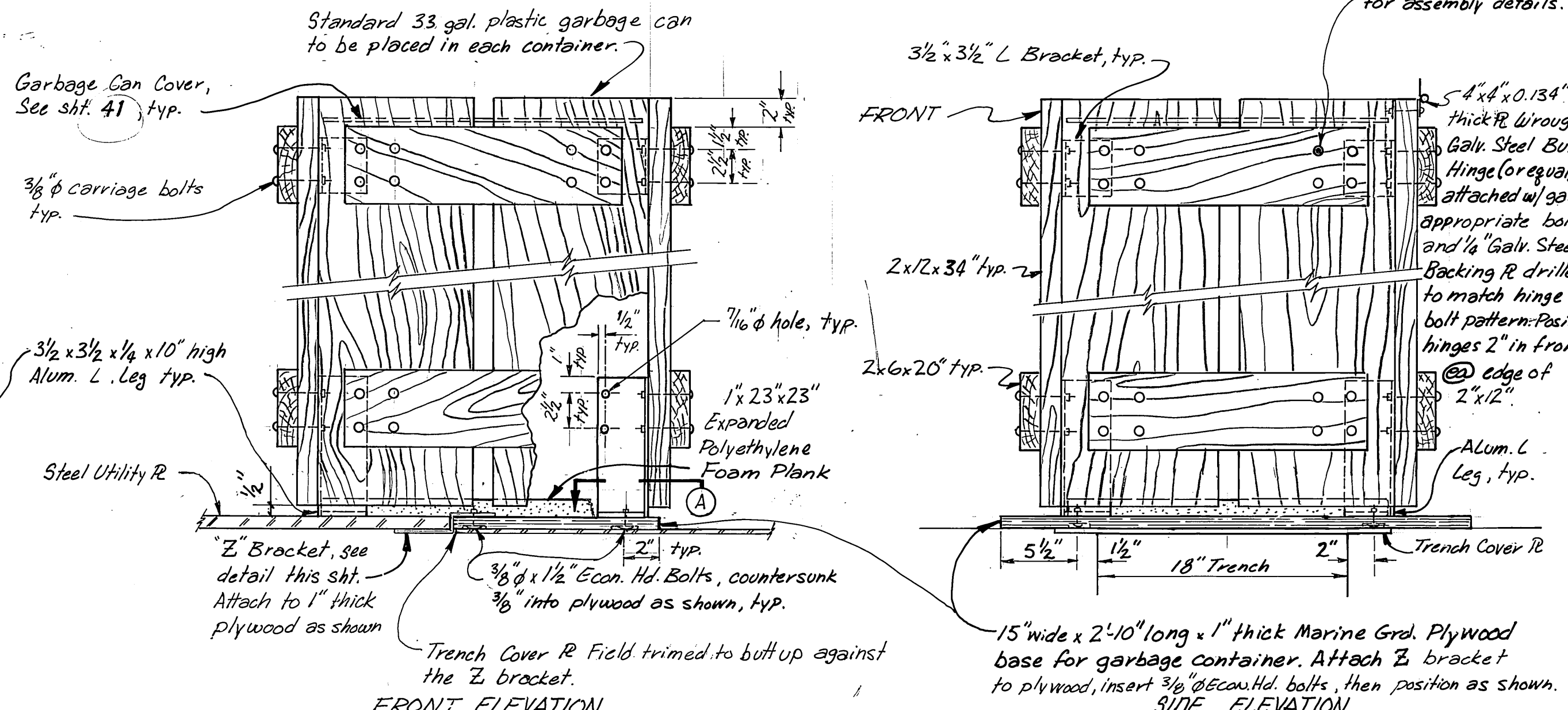
* If Supplementals C & D are not awarded, slot shall be covered with 1/8" thick galv. steel plate secured with wood screws into a scrap piece of timber.



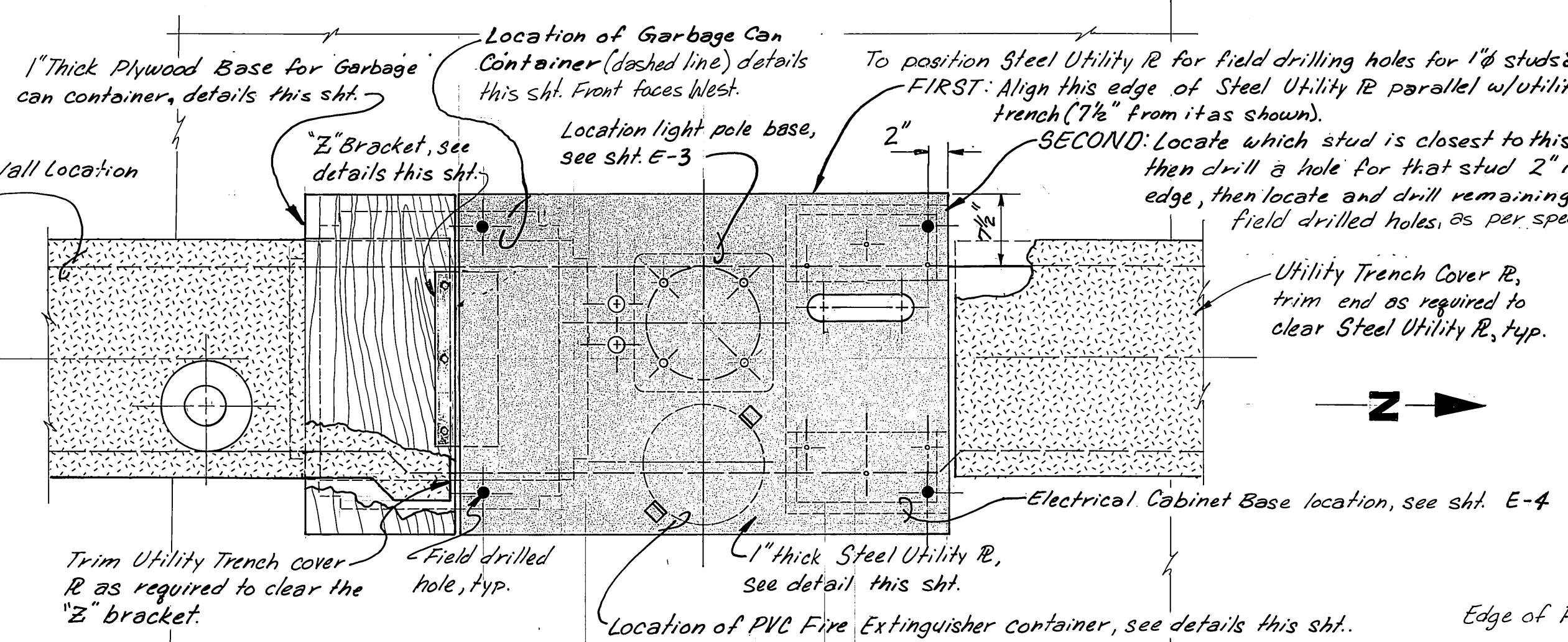
FIRE EXTINGUISHER CONTAINER



GARBAGE CONTAINER LID

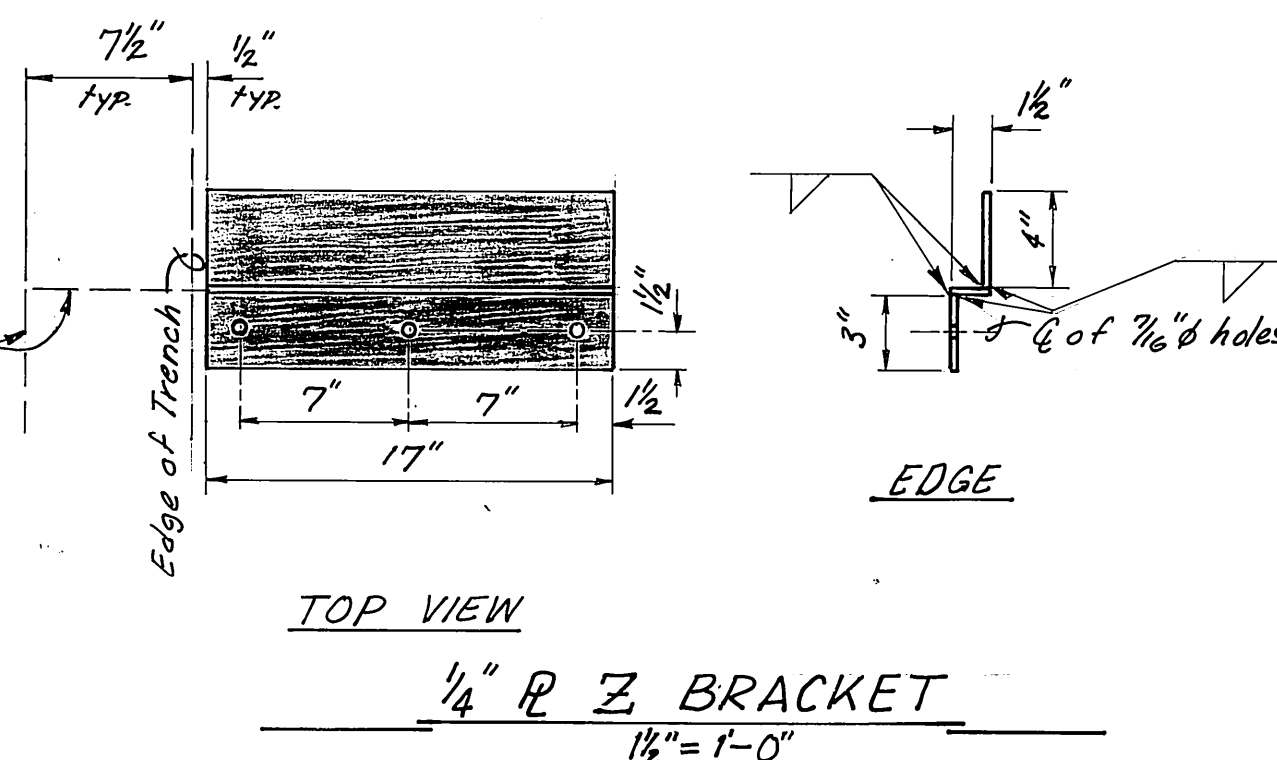


GARBAGE CONTAINER



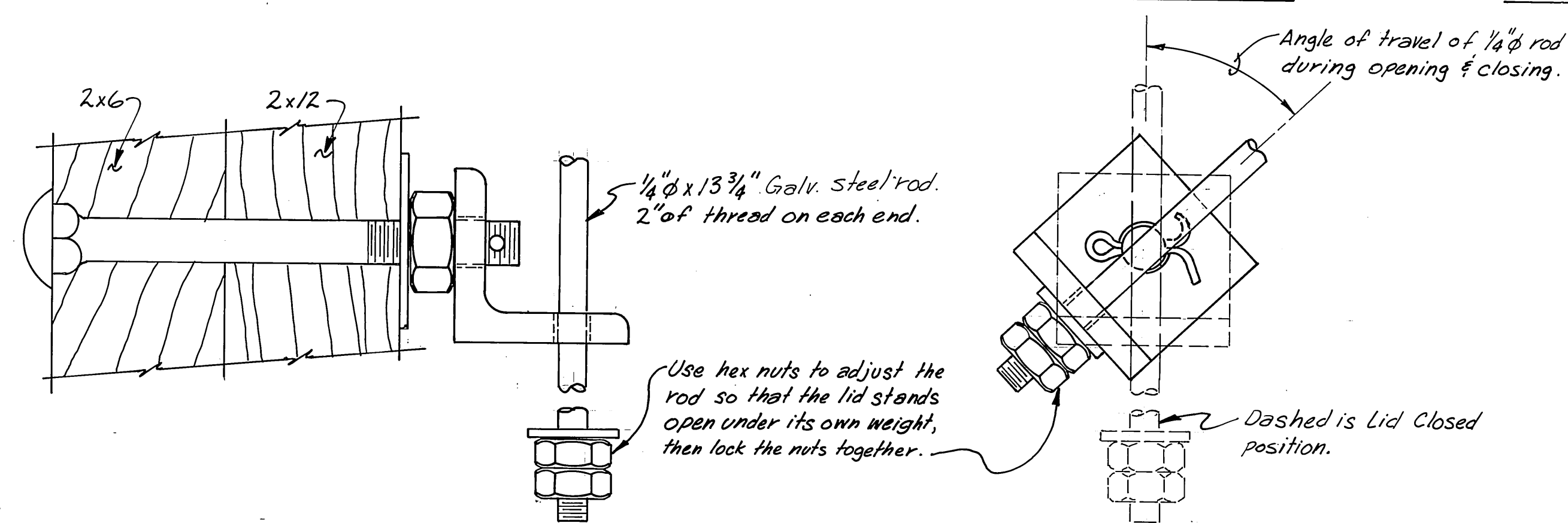
LAYOUT OF PLATE FOR UNITS 3, 5, & 6

NOTE: Hot Dip Galv. all steel parts after fabrication.



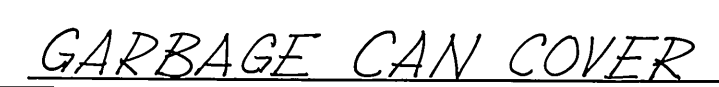
M.H. 10/3/87

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA	
		DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
		Auke Bay Alaska	
		UTILITY PLATE LAYOUT & DETAILS	
DESIGNED DJM	CHECKED JDB	DRAWN DJM	DATE 1-86
PROJECT NUMBER 67664, 69016, 69106	SHEET 35 OF 49		

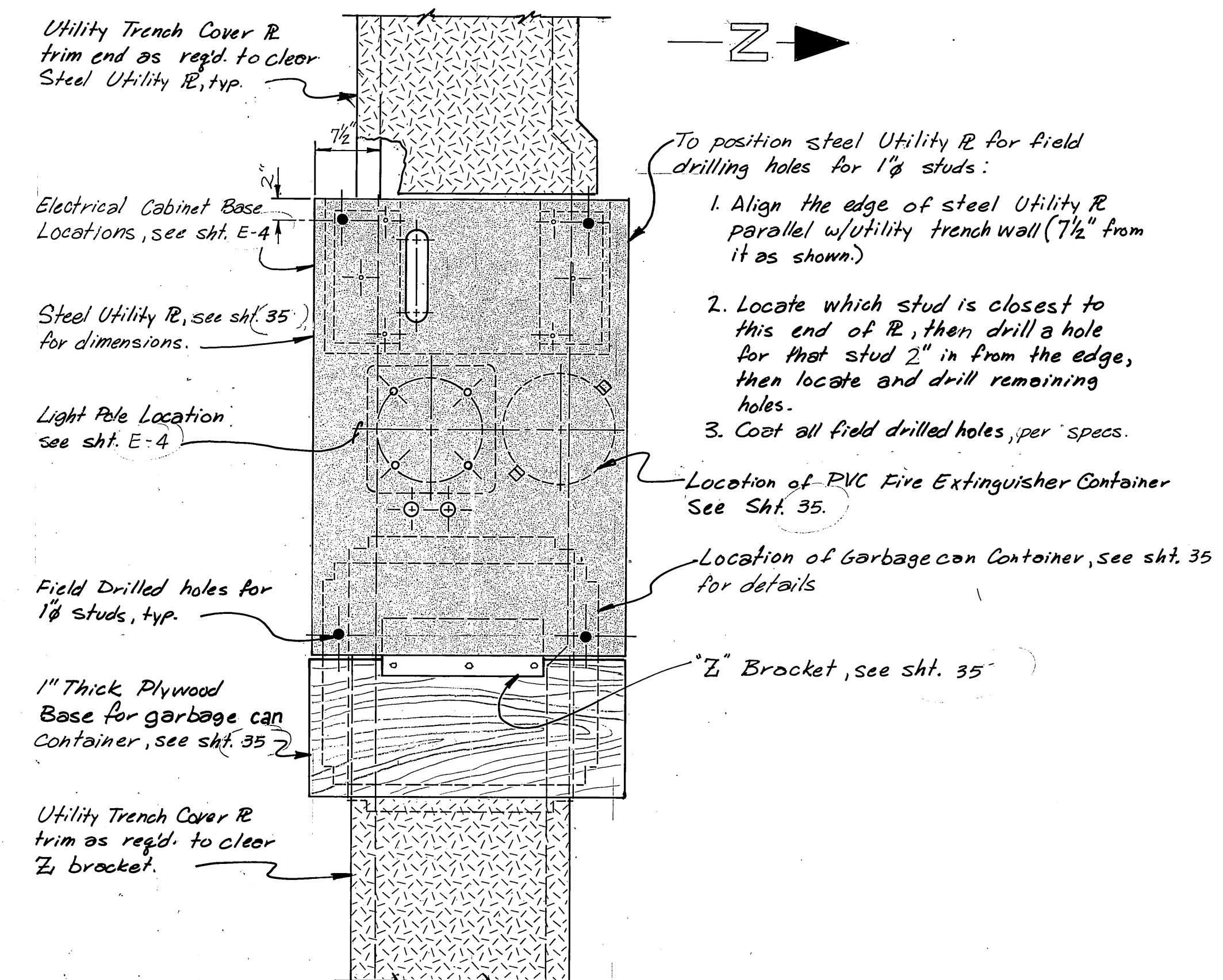


(LID OPEN)

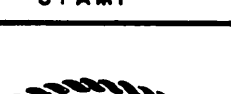
12"=1'-0" NOTE: Hot dip galvanized all steel parts after fabrication.
Contractor is to assemble all parts after galvanizing to
verify ease of assembly.

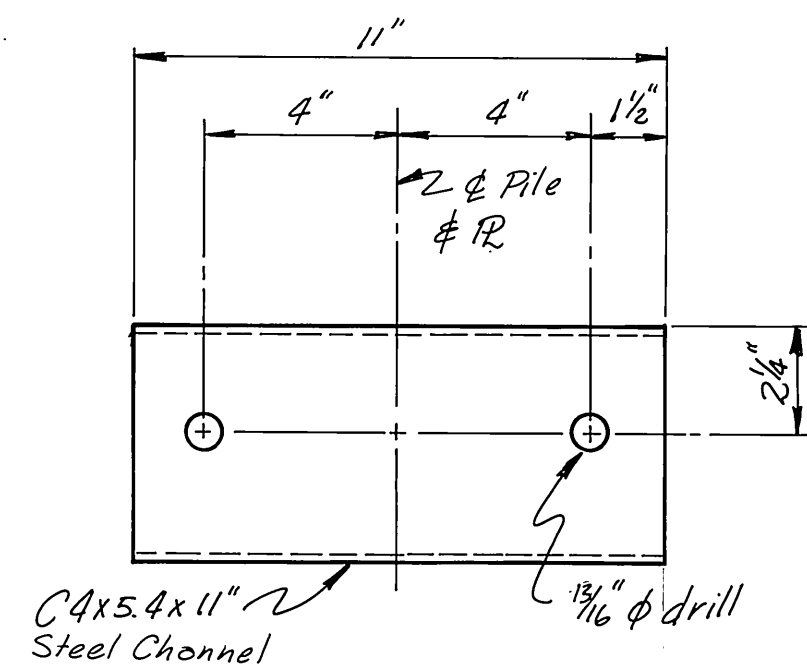


Garbage Can Cover is to rest on top of Garbage Can.

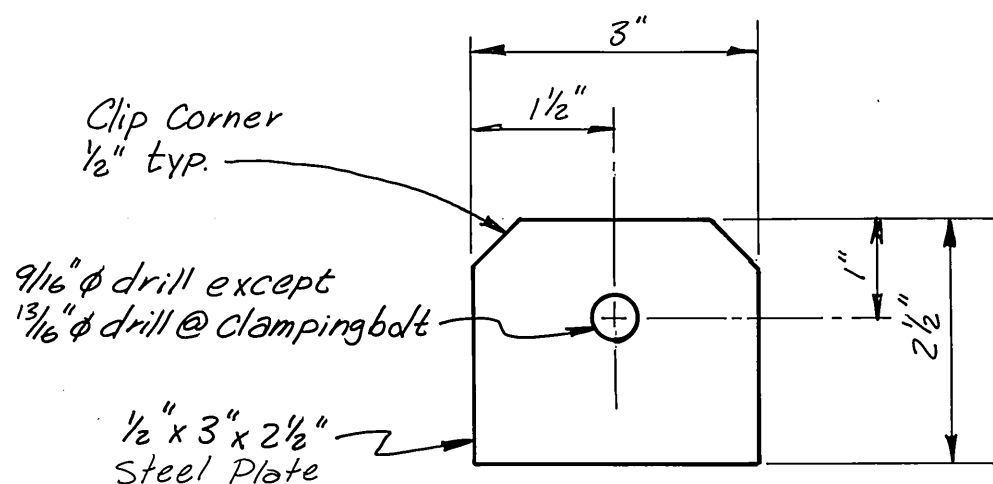


LAYOUT of PLATE for UNITS 1, 2, 2A, 4 & 4A
1" = 1'0"

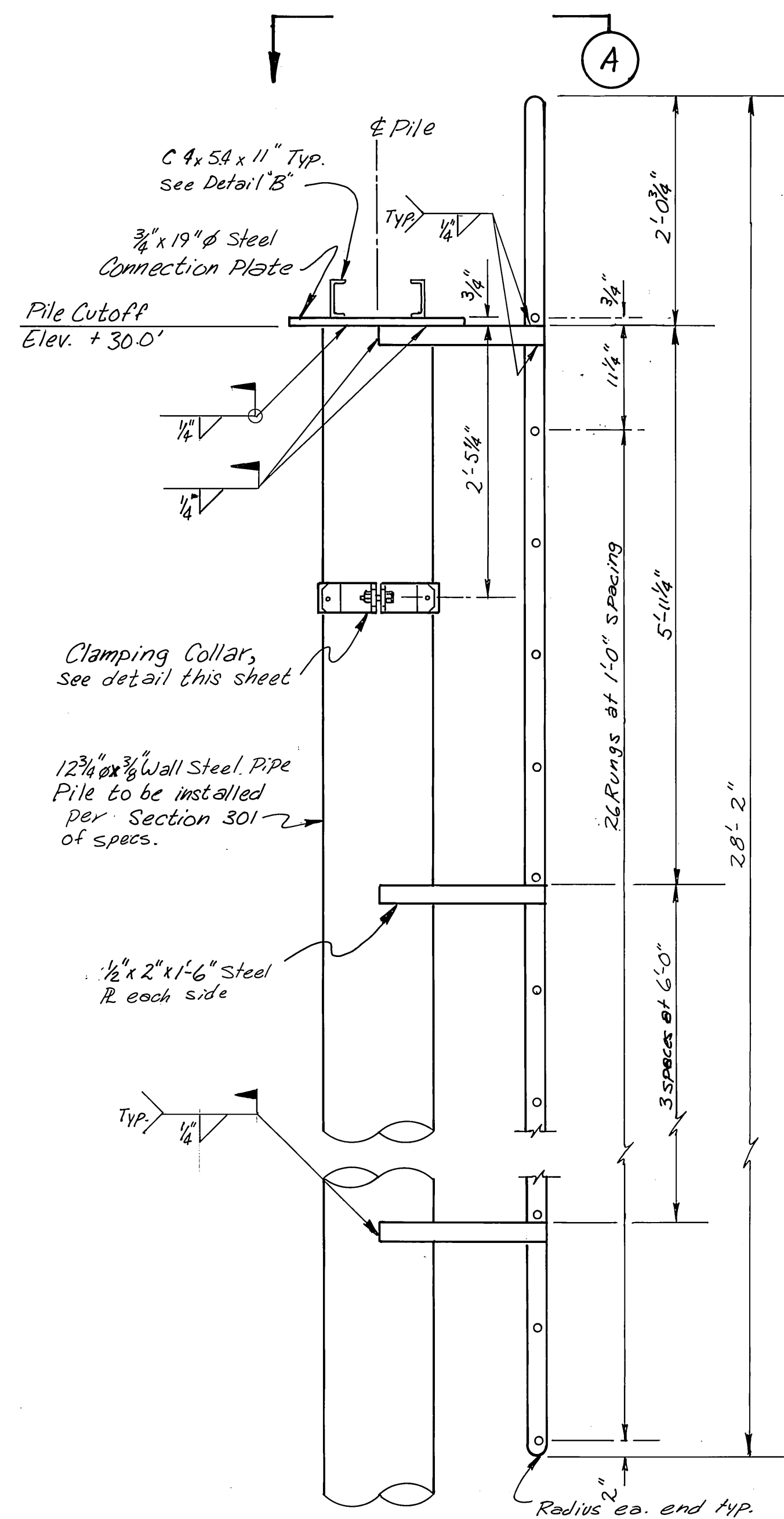
<p>STAMP</p> <div style="text-align: center;">  </div>	<p>DO NOT SCALE THIS DRAWING — USE DIMENSIONS</p> <p>STATE OF ALASKA</p> <p>DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES</p> <p><i>AUKE BAY</i> <i>ALASKA</i></p> <p><i>UTILITY PLATE LAYOUT # GARBAGE CONTAINER</i></p>						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DESIGNED <i>DJM</i></td> <td style="width: 25%;">CHECKED <i>JDB</i></td> <td style="width: 25%;">DRAWN <i>DJM</i></td> <td style="width: 25%;">DATE <i>1-86</i></td> </tr> </table>	DESIGNED <i>DJM</i>	CHECKED <i>JDB</i>	DRAWN <i>DJM</i>	DATE <i>1-86</i>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROJECT NUMBER <i>67664, 67906, 67906</i></td> <td style="width: 50%;">SHEET <i>36</i> OF <i>49</i></td> </tr> </table>	PROJECT NUMBER <i>67664, 67906, 67906</i>	SHEET <i>36</i> OF <i>49</i>
DESIGNED <i>DJM</i>	CHECKED <i>JDB</i>	DRAWN <i>DJM</i>	DATE <i>1-86</i>				
PROJECT NUMBER <i>67664, 67906, 67906</i>	SHEET <i>36</i> OF <i>49</i>						



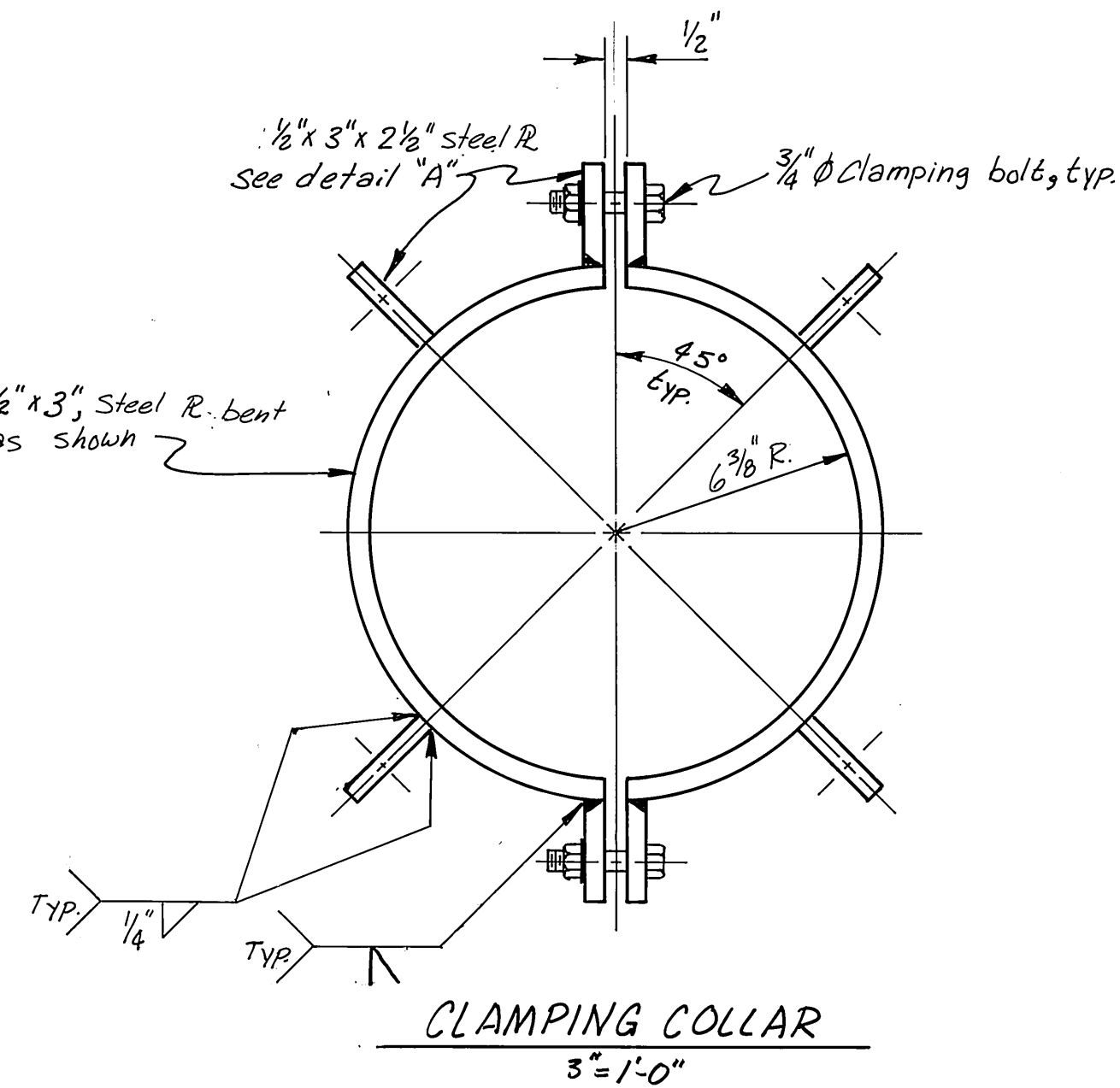
DETAIL "B"
3"=1'-0"



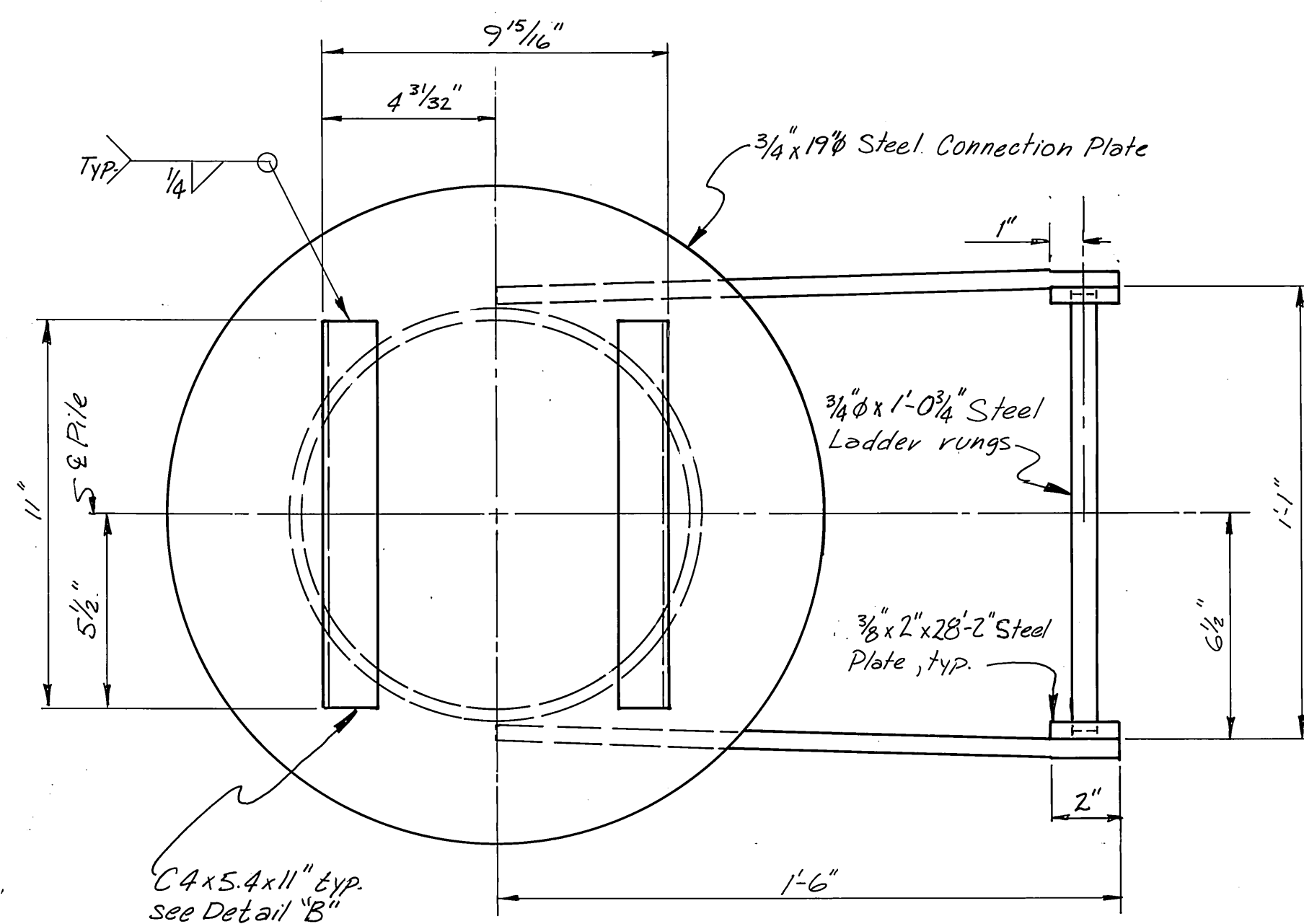
DETAIL "A"
6"=1'-0"



PLATFORM ELEVATION
1"=1'-0"



CLAMPING COLLAR
3"=1'-0"



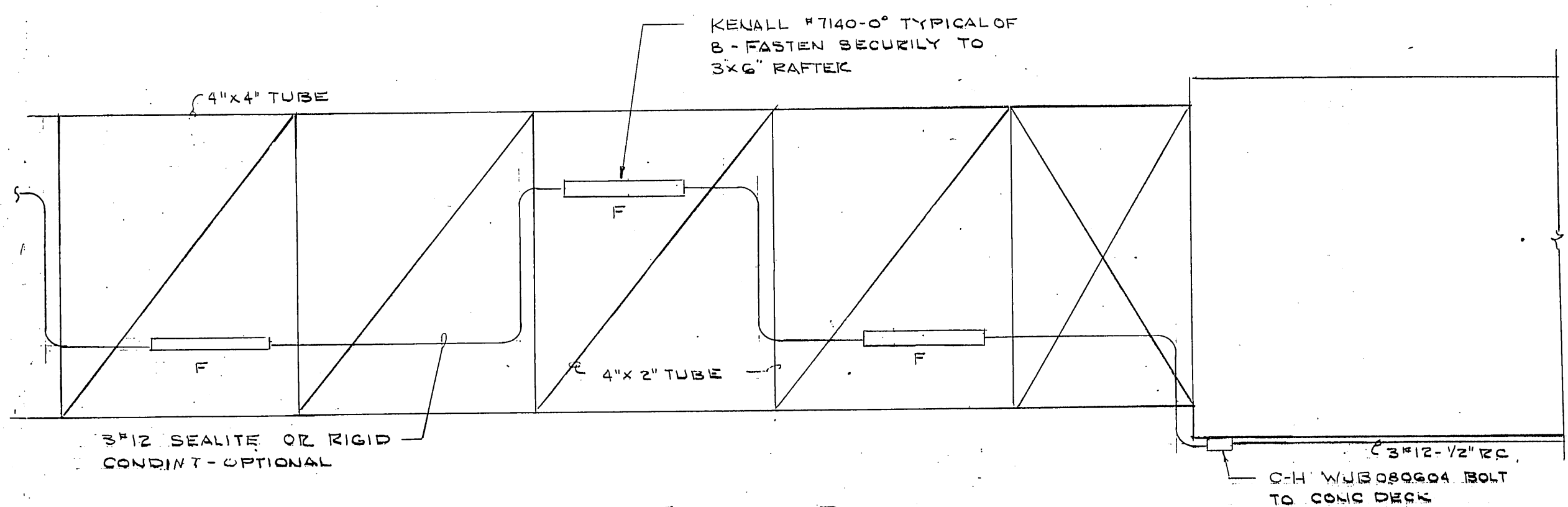
CONNECTION PLATE
VIEW "A"
3"=1'-0"

NOTES:

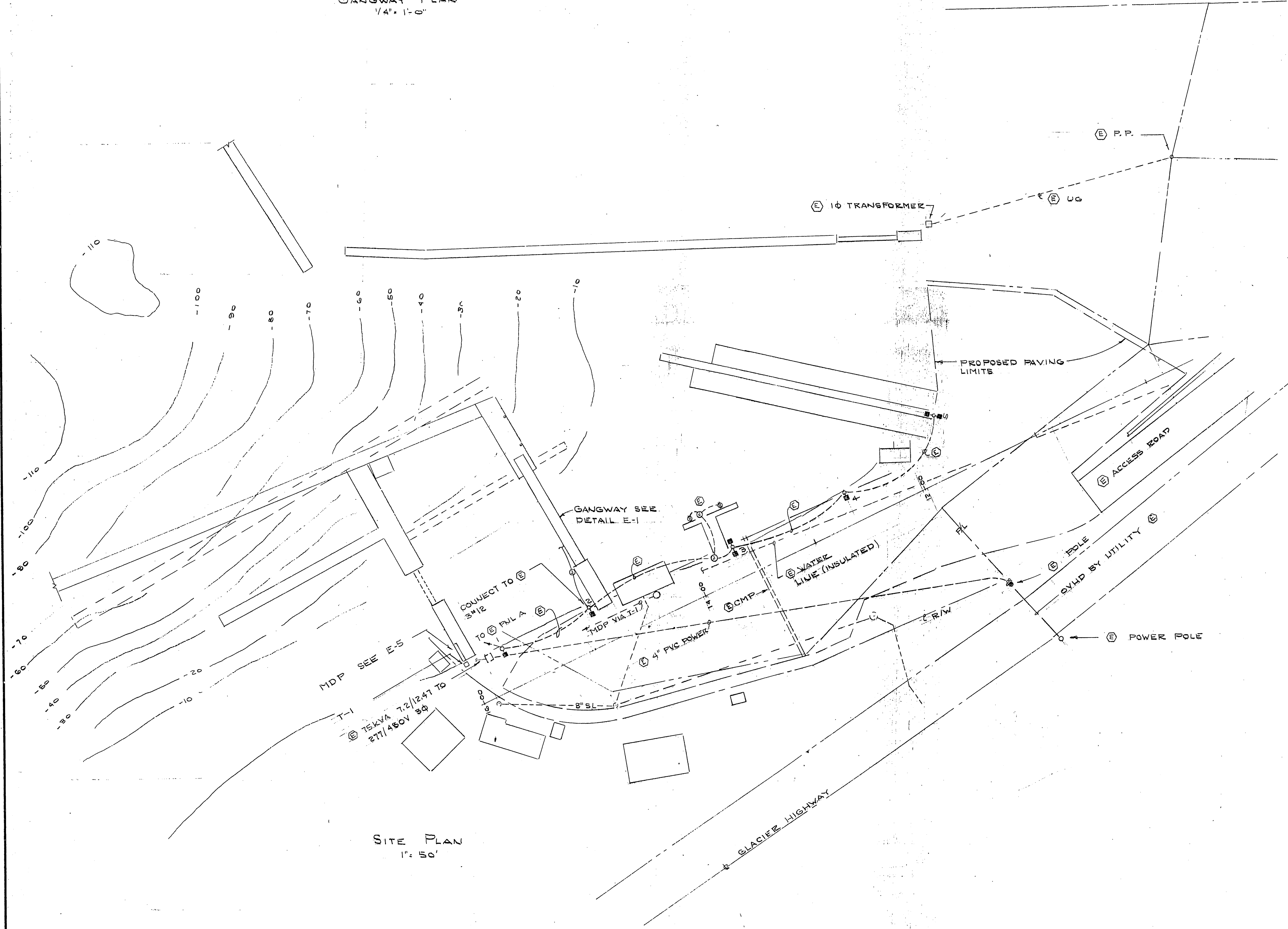
1. Navigation Aid Platform shall be installed on pile, location shown on sheet 2 at harbor entrance channel.
2. Access Ladder shall be installed on the side opposite of the entrance channel.
3. All steel to be hot dip galvanized after fabrication.

M. H.
10/3/87

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA	
		DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
PROJECT NUMBER 67664, 67016, 67106		Auke Bay Alaska NAVIGATION AID PLATFORM SHEET 37 OF 49	
DESIGNED JDB	CHECKED J	DRAWN DJM	DATE 4-86

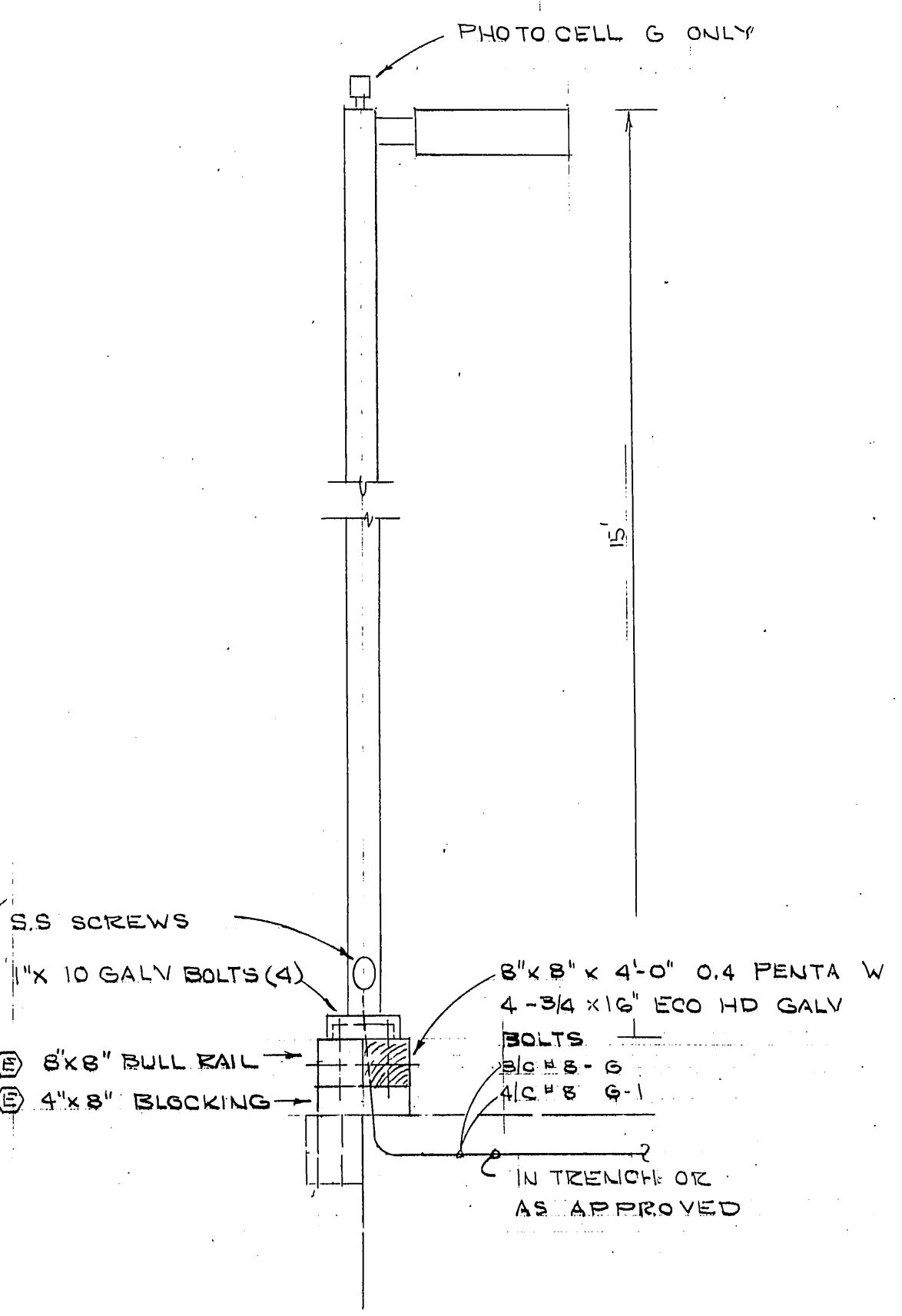


GANGWAY PLAN
1/4" = 1'-0"



SITE PLAN
1" = 50'

FIXTURE SCHEDULE			
TYPE	MFG	W	REMARKS
A	NOT USED		
B	McPHILBEN ITAGI - DB-27T-2D/20SNL603 MOD	2-100 HPS	E-4
C	NOT USED		
D	"		
E	KENALL 4400 - CW-3800A-120	2-FC6T9	SEE DETAIL E-5
F	" 7140 - 0" - 27T	1-40KS	" " E-1
G	McPHILBEN ITAGI - DB-120-1D/20SNL503	100 HPS	" " E-1
G-1	" ITAGI - DB-27T-1D/20SNL503	100 HPS	" " E-1



FIXTURE TYPE G & G-1
1/2" = 1'-0"

REVISED 8/31/86

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DESIGN AND CONSTRUCTION	
		Auke Bay Alaska	
ELECTRICAL PLAN			
SCALE NOTED	SURVEYED	APPROVED	
DESIGNED	DRAWN LPL		
CHECKED	DATE M34 82		
	BY 2-22-86		
PROJECT NUMBER 67664, 67016, 67106		SHEET 38 OF 49	

LIGHTING OR POWER CIRCUIT IN CONDUIT

CIRCUIT TYPE W

POWER " " " FEEDER

LIGHT STANDARD & FUTURE POWER CENTER

SWITCH

DUPLEX RECP. OR NOTED

MANUAL STARTER BY ELEC. - INST BY ELECTRICAL

MAGNETIC " " MECH. " "

MOTOR SIZE NOTED

JUNCTION

PHOTO ELECTRIC

HOA. HAND-OFF-AUTO

SPECIAL OUTLET

EXISTING

REMOVE

.. HOA HAND OFF AUTO

14 C. J. ROBERTSON, JR.

⑥ US COAST GUARD SERVICE 100A -
120/240V 1Ø & 480V 3Ø, TELP. & CATV
MAINTAIN IN SERVICE UNTIL NEW
SERVICE IS AVAILABLE

— EXIST TELEPHONE COORDINATE
WITH UTILITY

ALL WIRING OVHD AERIAL

DEMOLITION PLAN

1550

COAST GUARD FLOAT
SEE E-6
TO MDP IN TRENCH & WATER

IN TRENCH TYPICAL

5. C.G. wiring his float

REVISED 8-31-80

STAM

DO NOT SCALE THIS DRAWING - USE DIMENSIONS

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

Auke Bay

ELECTRICAL PLAN

Alaska

SCALE $1" = 50'$

	SURVEYED
--	----------

APPROVED

DESIGNED _____

DRAWN ADP. 8.

PROJECT	67664	6906	6906
---------	-------	------	------

SHEET 39 OF 49

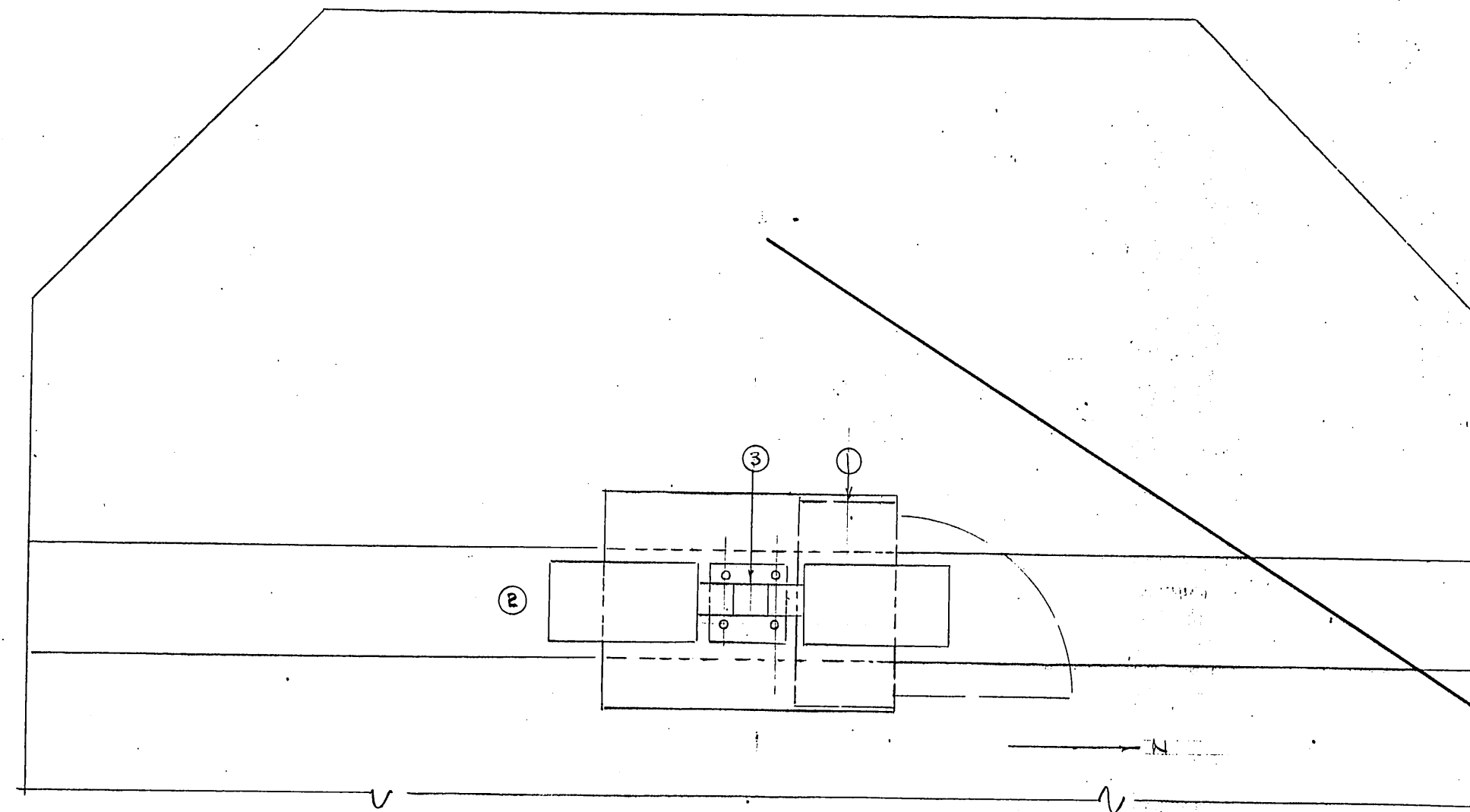
Float Plan
1" = 50'

All deleted
except U.S.C.G.
provided for in
Supp. "A."

M.H.
10/3/87

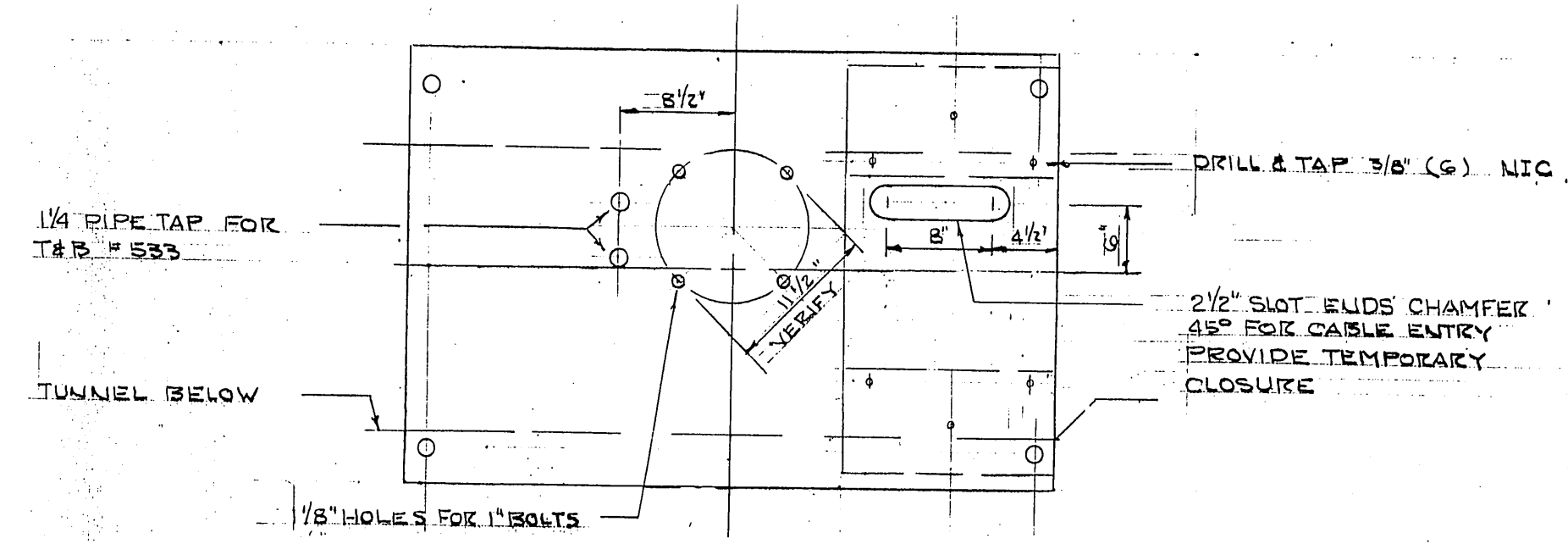
STATE OF ALASKA
49TH
Leonard P. Lowell
No. 553-E
REGISTERED PROFESSIONAL ENGINEER

AUKE BAY

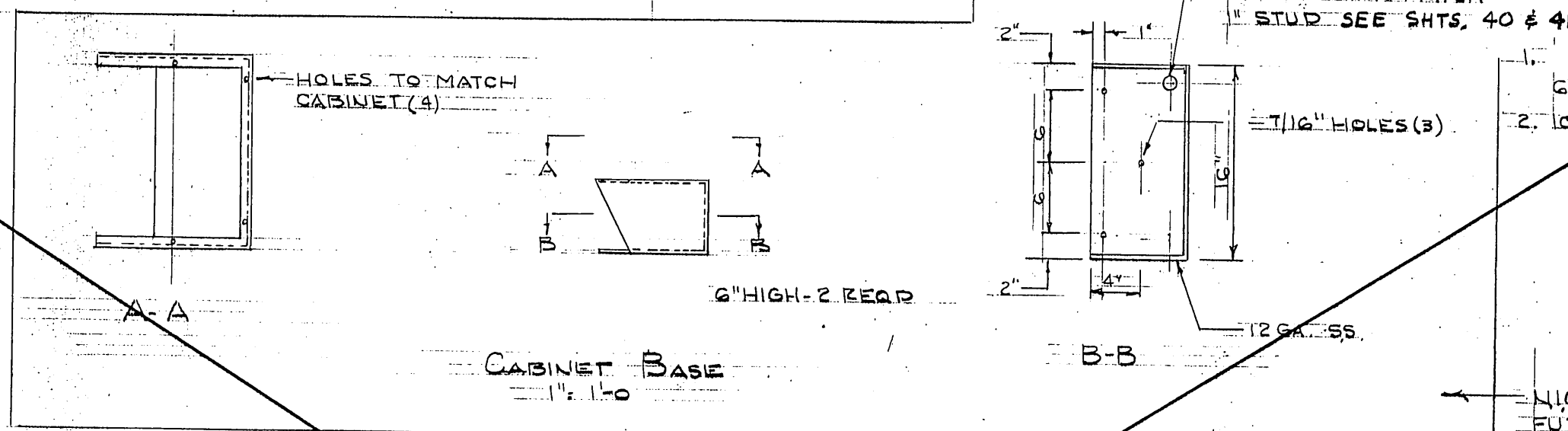


PLAN
1/2" x 1'-0"

"D" MAIN FLOAT AS SHOWN
B/C CABINET REVERSED
FOR WEST EXPOSURE
SEE DETAILS, SHTS. 35 & 36



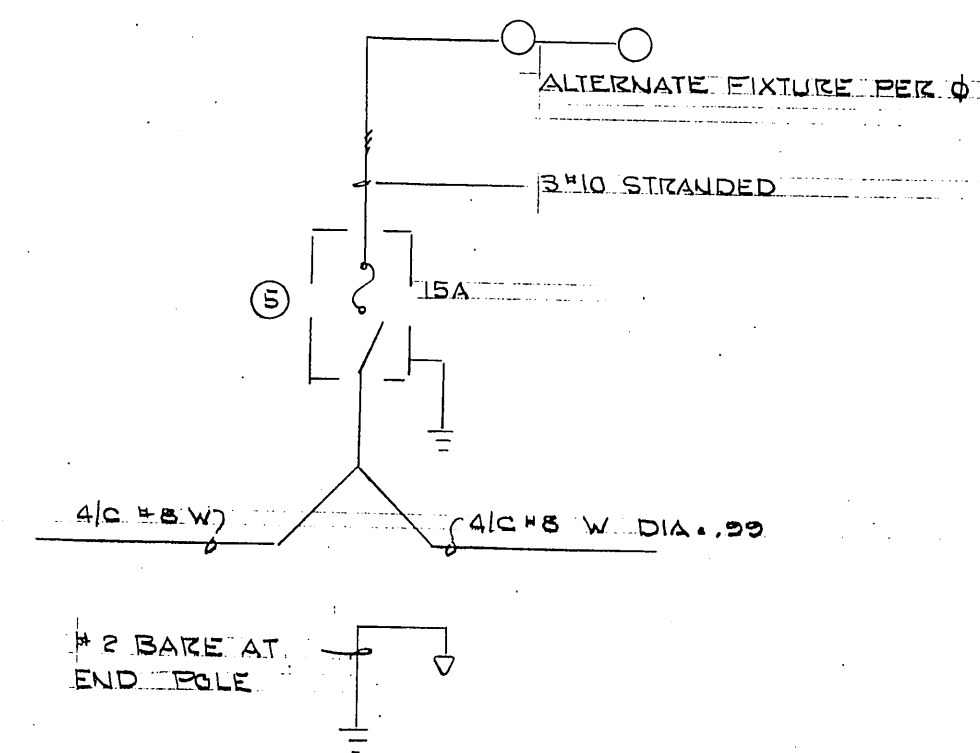
BASE PLATE REFERENCE, SEE DETAILS, SHTS. 35 & 36



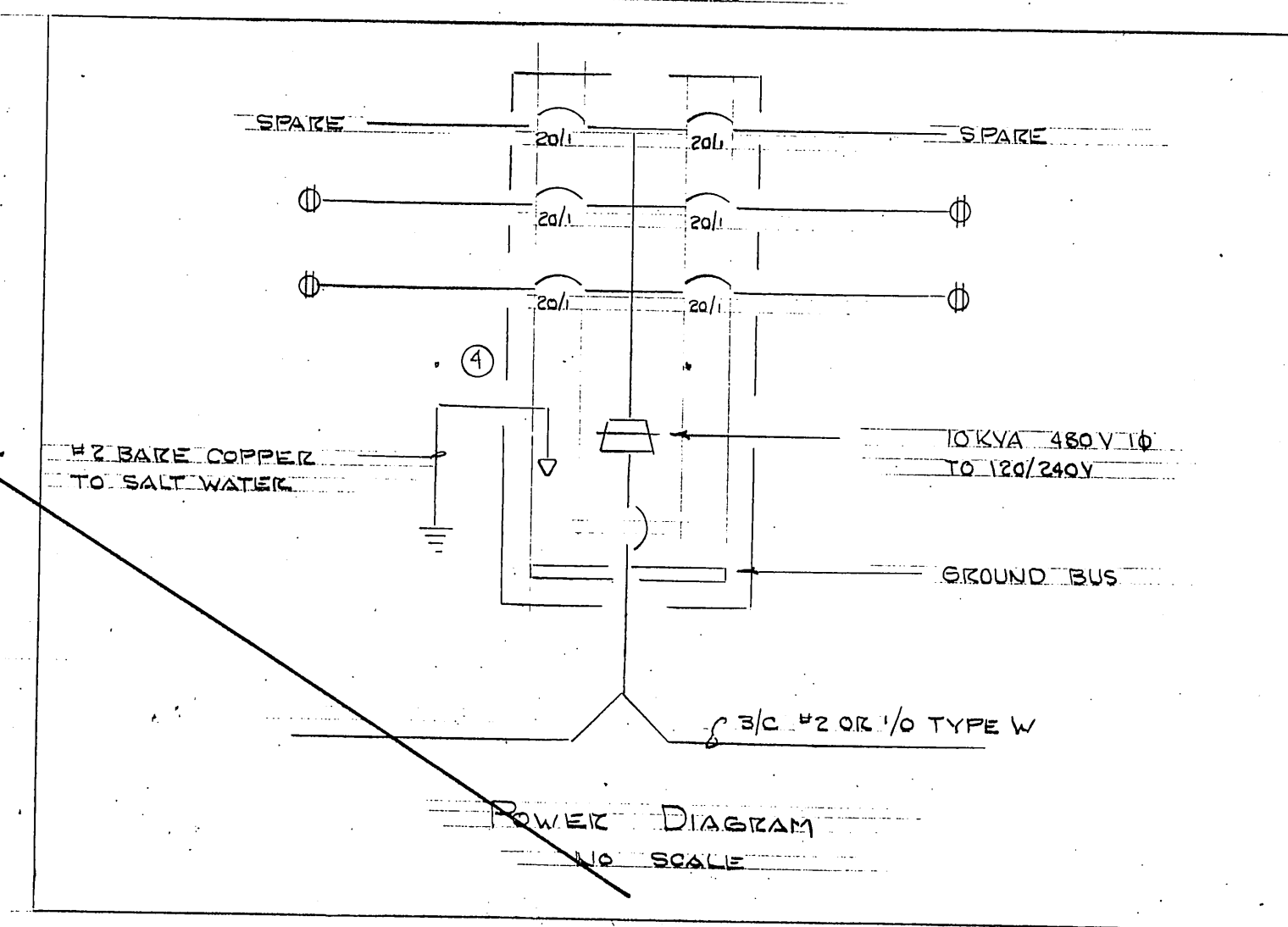
CABINET BASE
1'-0" x 1'-0"

EQUIPMENT SCHEDULE					
ITEM	DESCRIPTION	QTY	TOTAL		REMARKS
1	CABINET, HOFFMAN 48x36x16	—	—	NIC	SEE NOTE 1
2	MCPHILBEN 17RAG1-DB-217-2D (B)	1	1B		2-100HPS
3	TRONL 6034 MOD (B)	1	1B		HOT DIP GALV. 11/2" B.C.
4	TEIZNEY 480V 1Φ TO 120/240V	—	—	N.I.C.	SEE NOTE 2
5	SQUARE D H321R8-32 (PK36TAE)	1	1B		W/15A FUSE & H303N
6	HUBBELL 31CM10 (LS-30K)	—	—	N.I.C.	
7	" 60CM83 & 74CM24	—	—	N.I.C.	

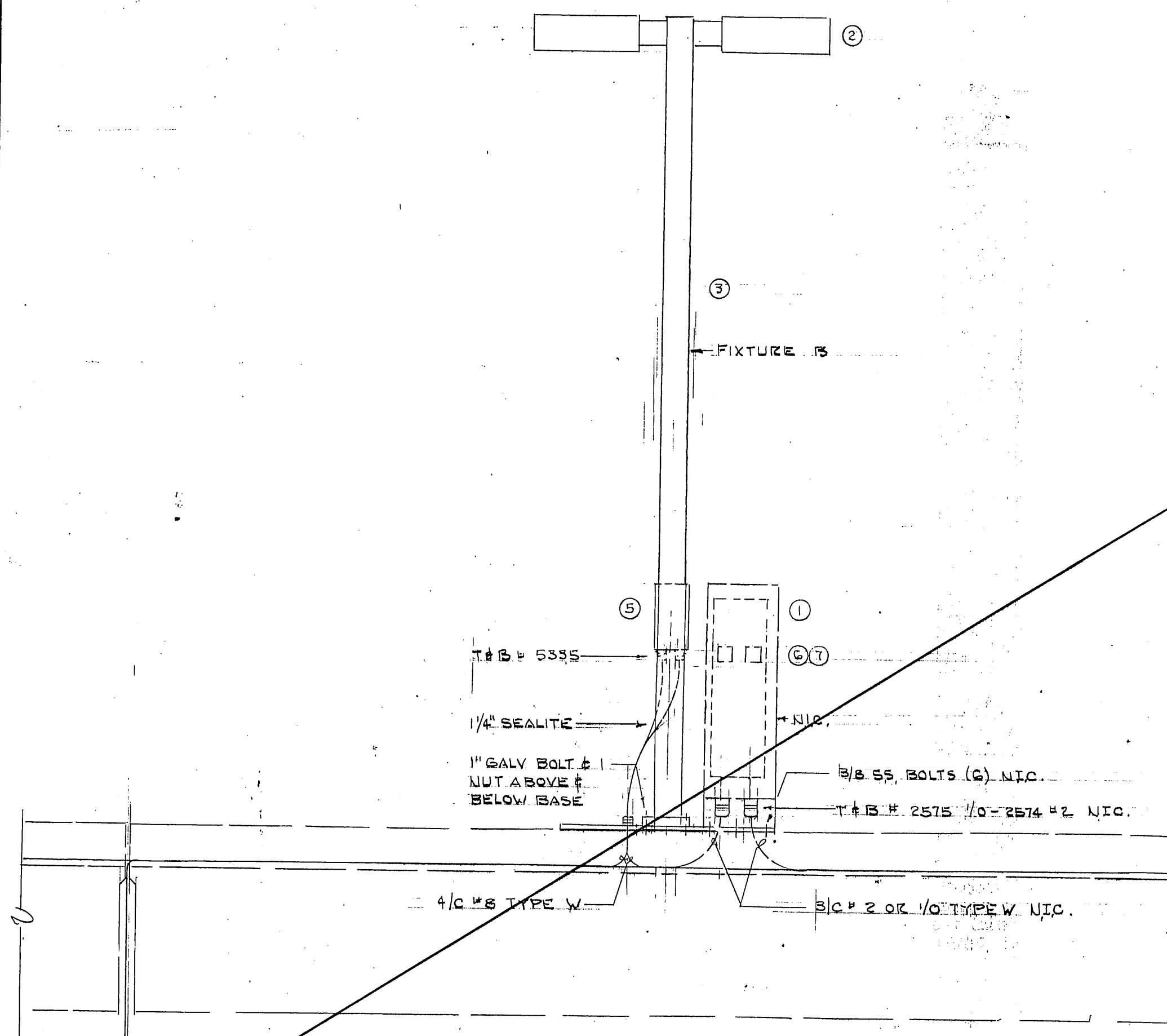
1. SIMILAR HOFFMAN A-48H3616SSLP EXCEPT NEMA12. ALL 304 STAINLESS STEEL INCL PANEL A48P36, 6" Hx16" W. SS LEGS & SS PADLOCK HANDLE N.I.C.
2. TOKYA SEE DIAGRAM WITH LUGS FOR 1/0 LOOP FEED EPOXY ENCAPSULATED N.I.C.



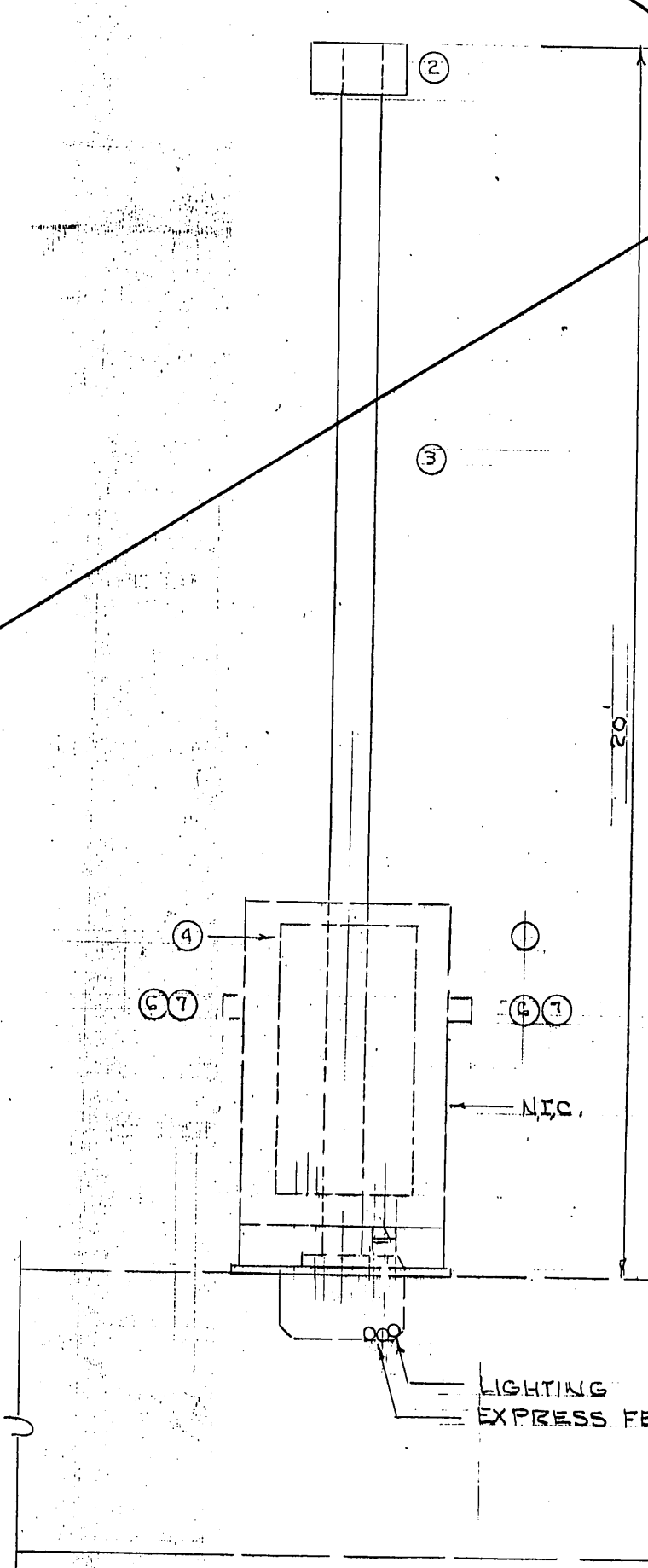
LIGHTING DIAGRAM
NO SCALE



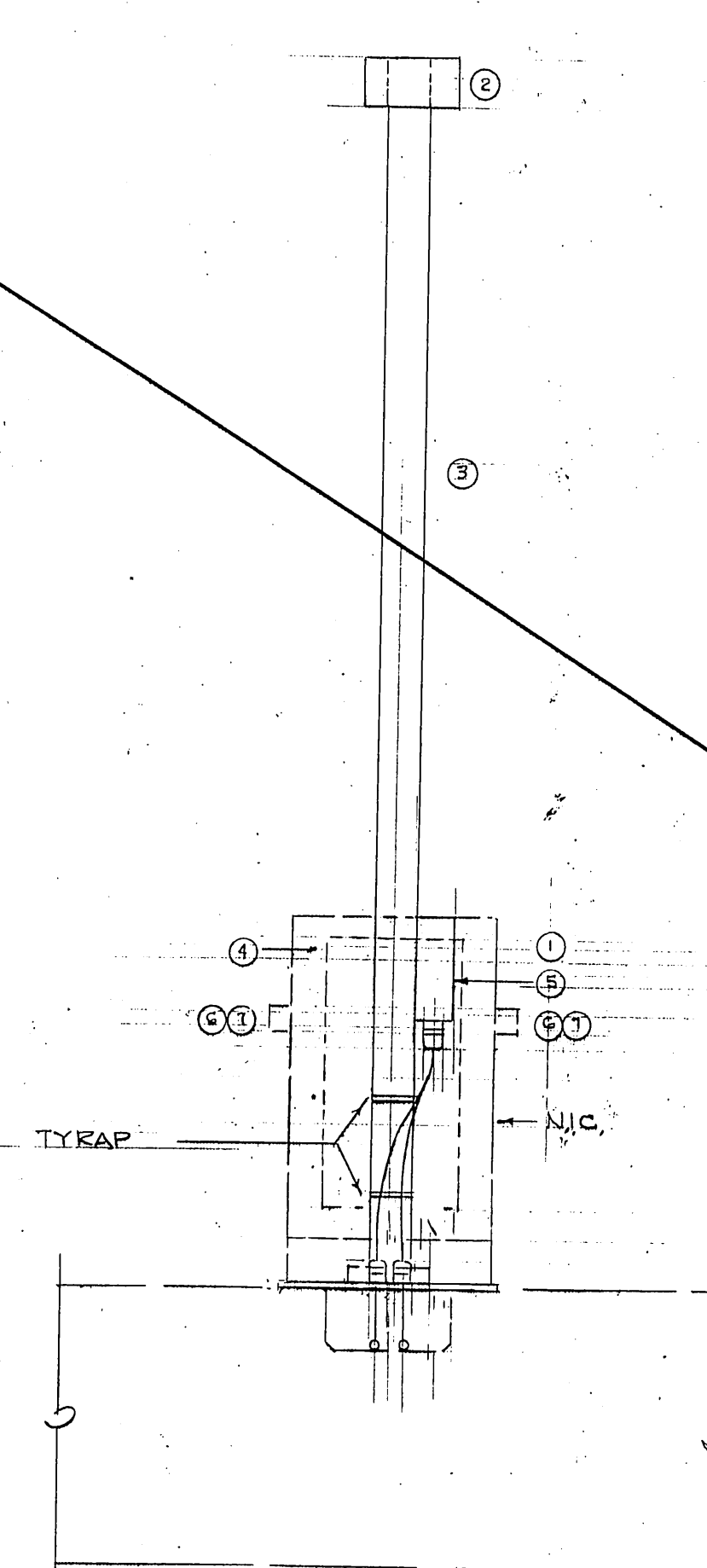
POWER DIAGRAM
NO SCALE



ELEVATION
1/2" x 1'-0"



ELEVATION
1/2" x 1'-0"



ELEVATION
1/2" x 1'-0"

DELETED (ENTIRE SHEET)

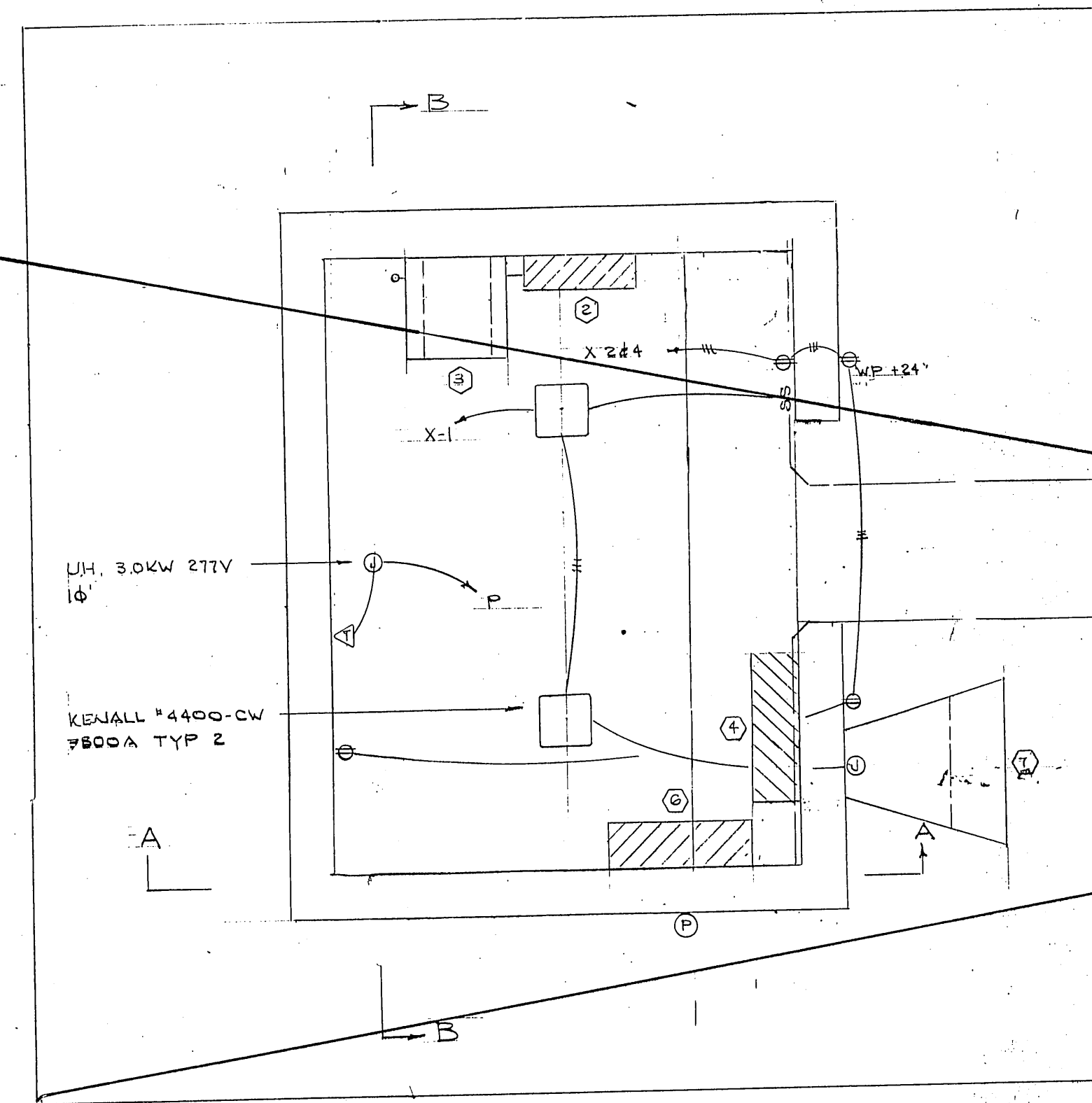
REVISED 8/31/86

M.H.
10/3/87

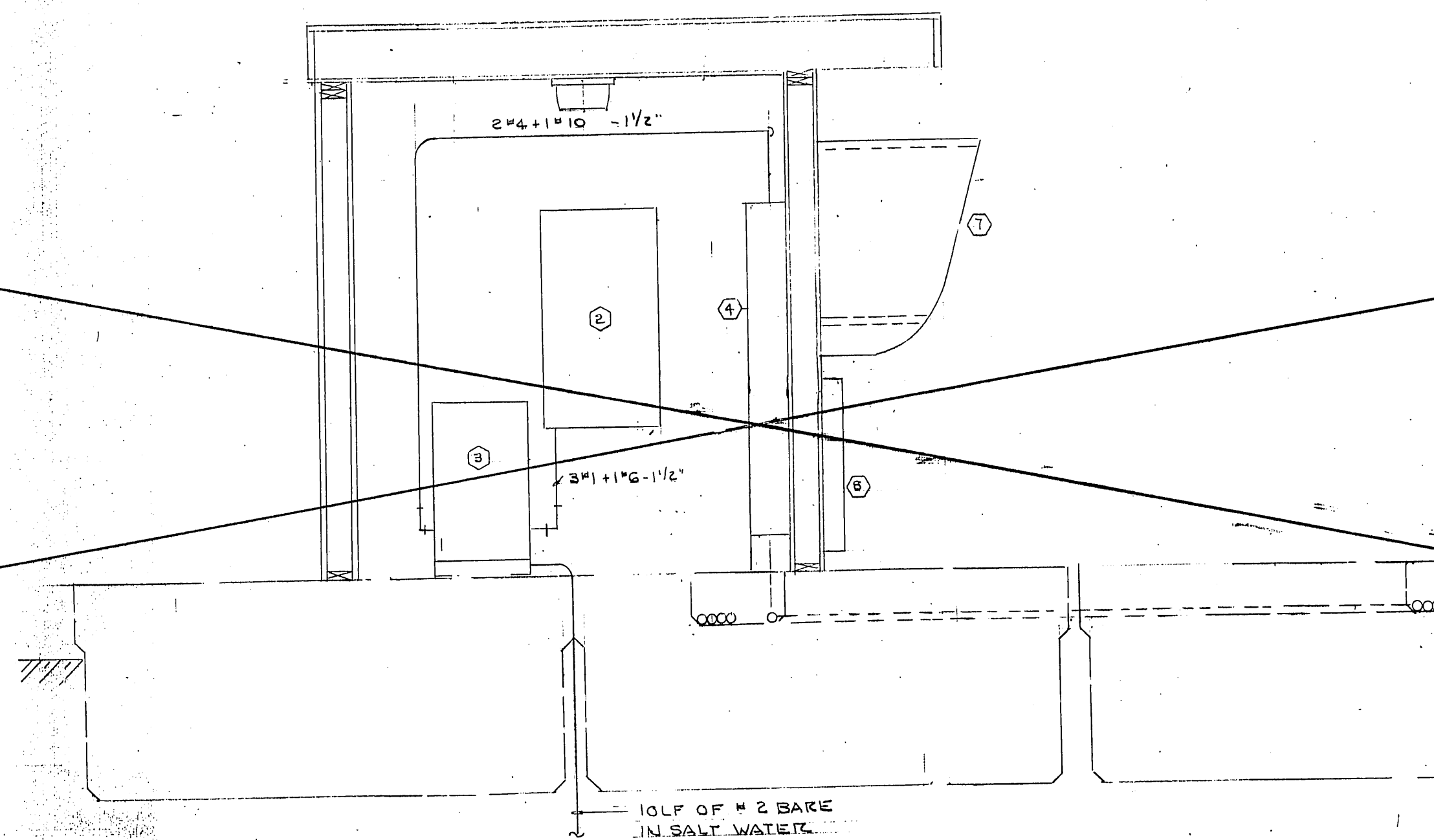
E-3

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA	
		DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
Auke Bay		Alaska	
DESIGNED LPL		CHECKED	DRAWN LPL
PROJECT NUMBER 67664, 67016, 67106		DATE 4-86	
SHEET 40		OF 49	

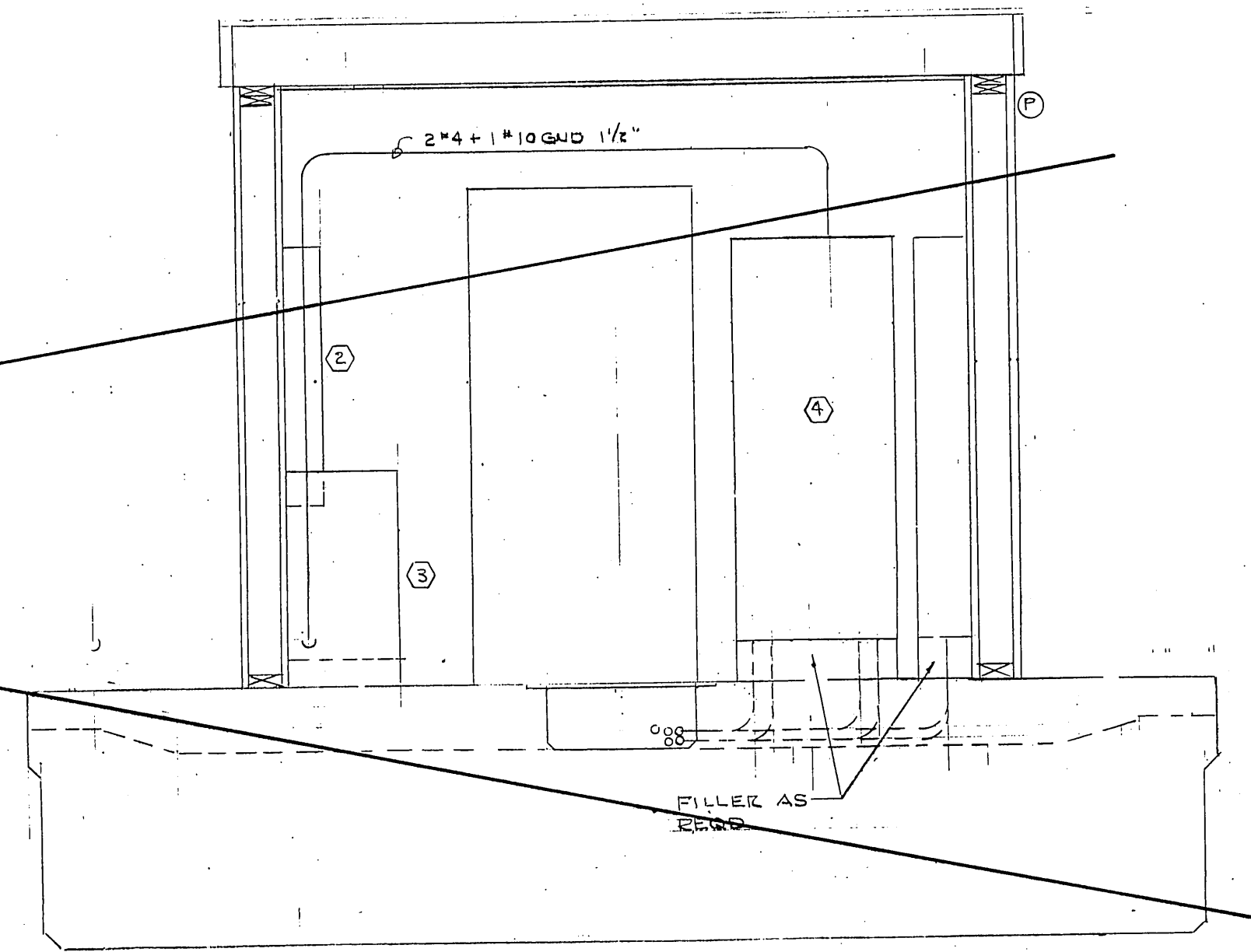
AUKE BAY



PLAN
1/2" = 1'-0"



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



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

EQUIPMENT SCHEDULE			
ITEM	DESCRIPTION	QTY	REMARKS
1	NOT USED		
2	PANEL X 120/240V 1Φ		
3	TRANSFORMER 25KVA 480-120/240V T-4		EPOXY ENCAPSULATED
4	PANEL P 277/480V 3Φ S.D. I LINE		SEE E-8
5	NOT USED		
6	PANEL B		SEE E-8
7	TELP. BOOTH BENTON NAWMAN BN855		
8	II TERMINAL SUPERIOR FZA 50PK		

DELETED

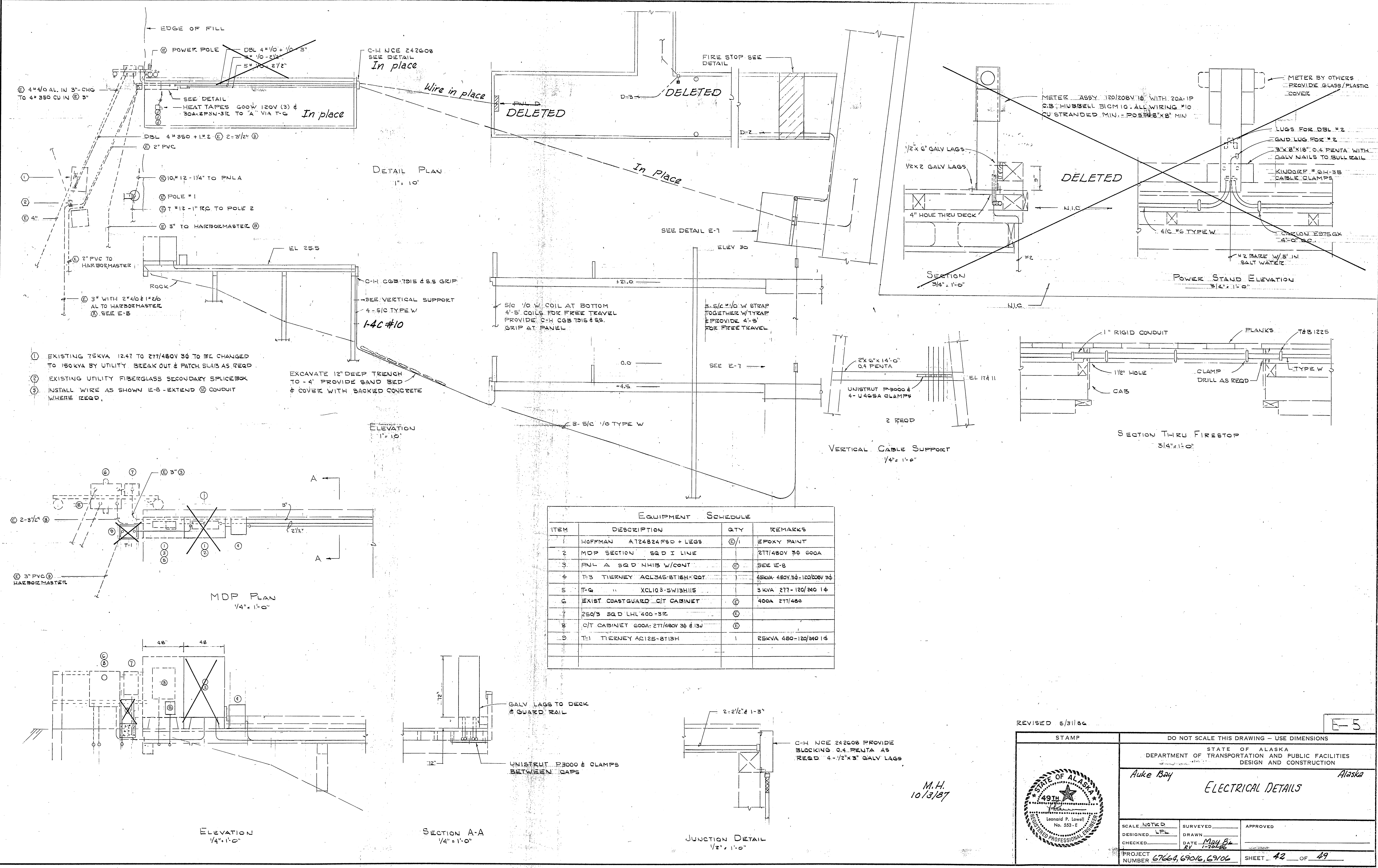
M.H.
10/3/87

REVISED 8/31/86

E-4

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DESIGN AND CONSTRUCTION	
		Auke Bay <i>Alaska</i>	
SCALE NOTED DESIGNED LPL CHECKED _____ PROJECT NUMBER 67664, 67906, 67906		SURVEYED _____ DRAWN _____ DATE 1/24/82 BY 2-25-86	APPROVED _____ SHEET 41 OF 49

AUKE BAY



M.H.
10/3/87

REVISED 6/31/84

E-5

STAMP

DO NOT SCALE THIS DRAWING - USE DIMENSIONS

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

Auke Bay Alaska

ELECTRICAL DETAILS

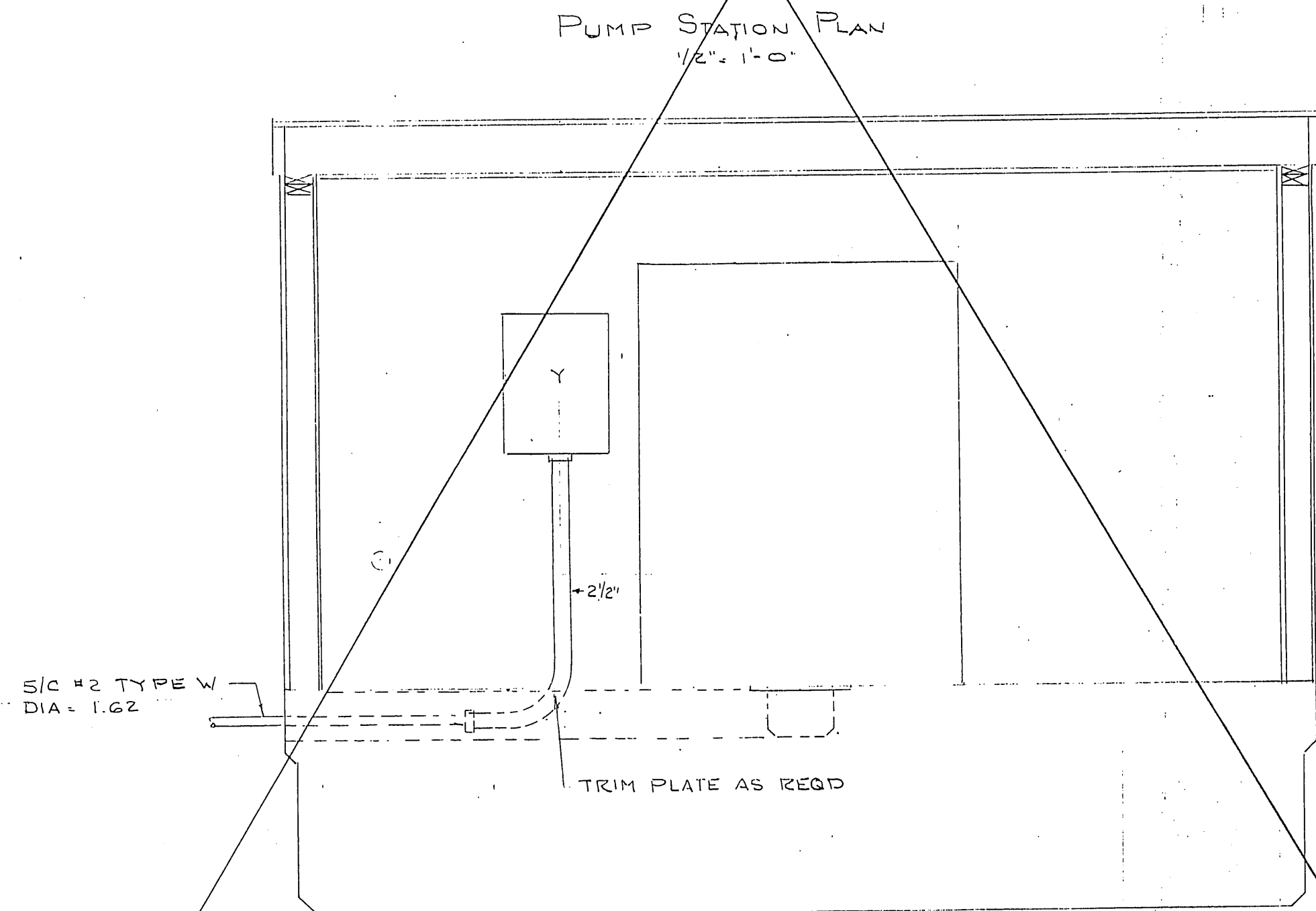
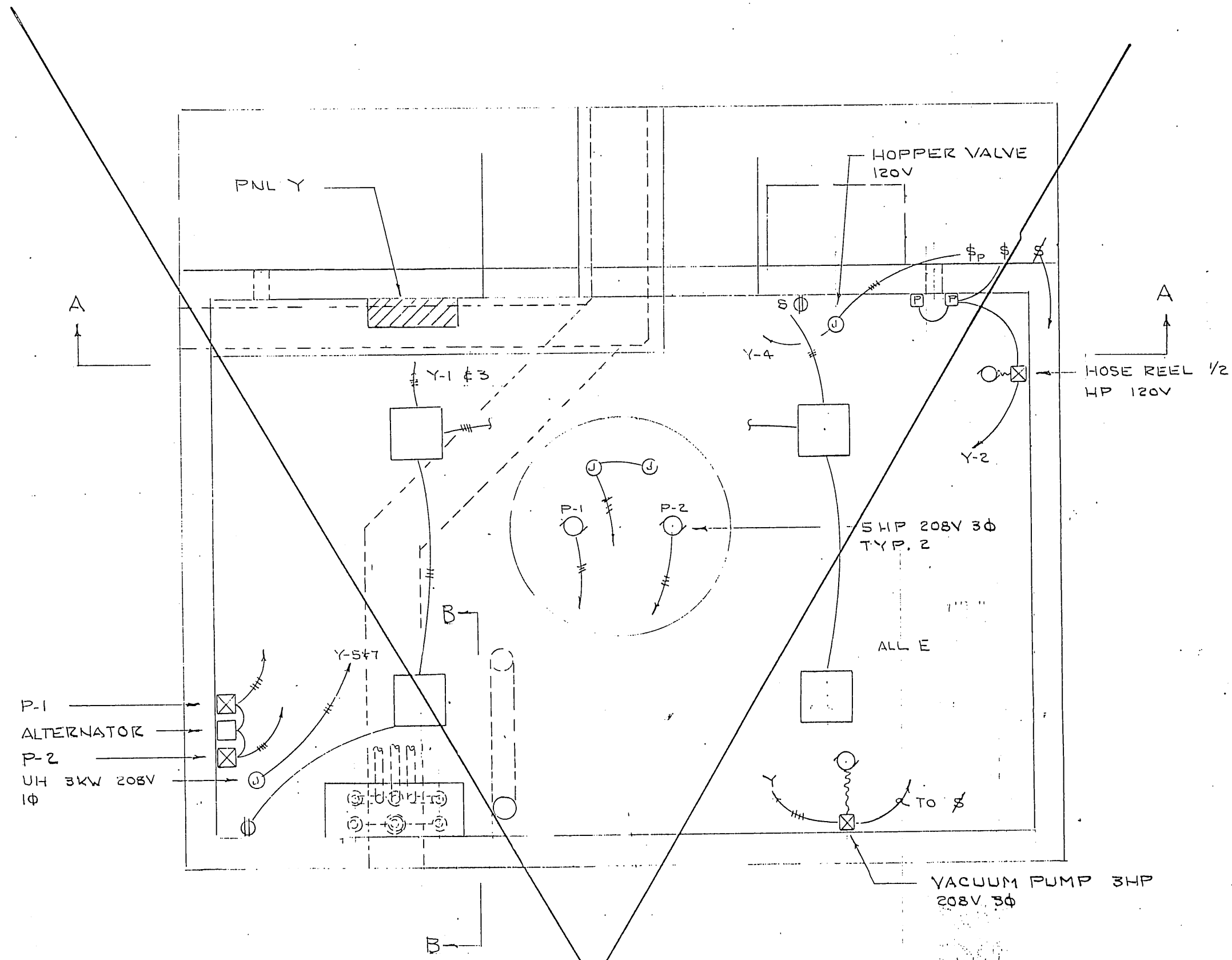
SCALE NOTED
DESIGNED LFL
CHECKED
SURVEYED
DRAWN
DATE May 84
BY 1-20-86

APPROVED

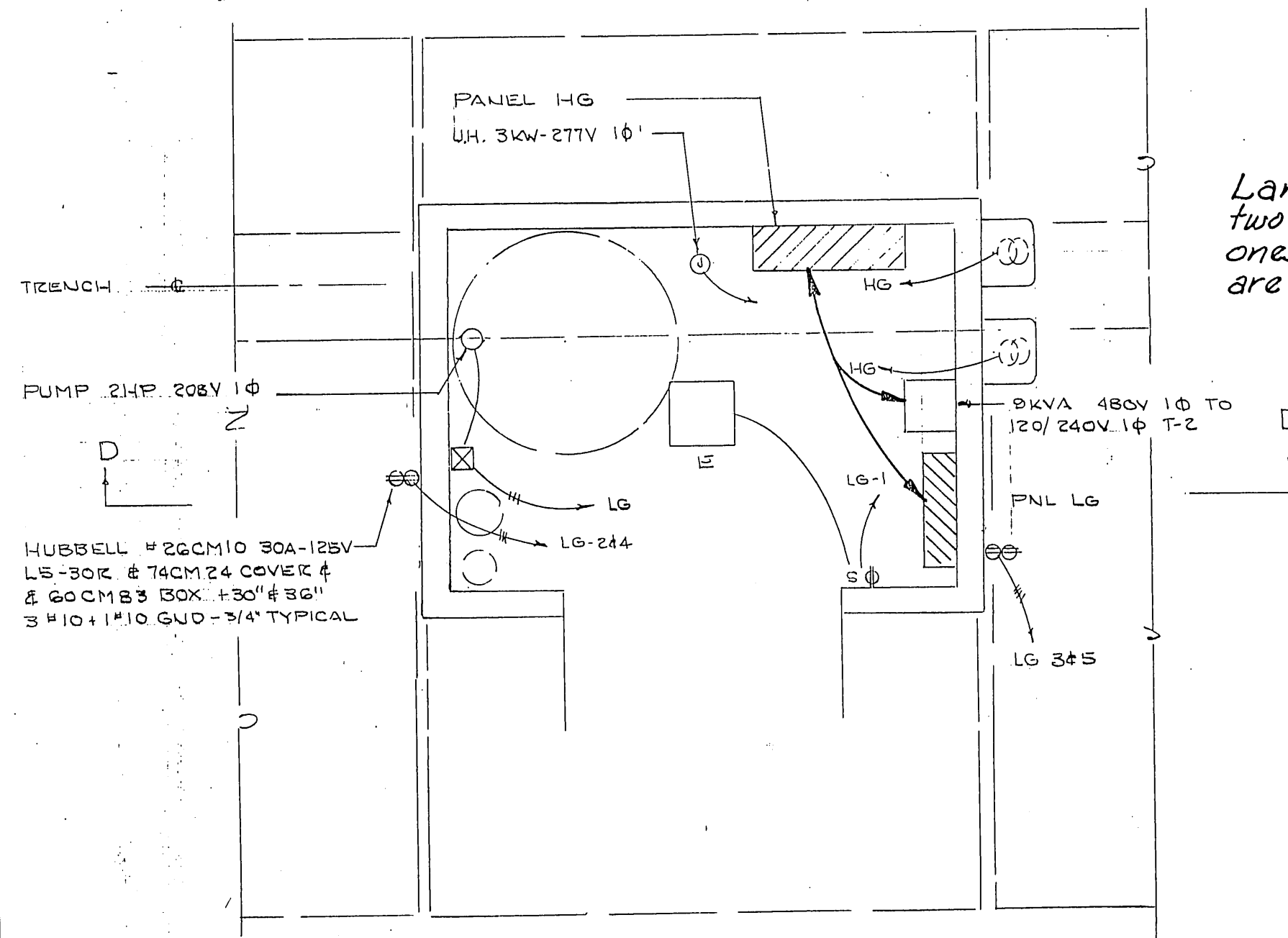
PROJECT NUMBER 67664, 69016, 69106

SHEET 42 OF 49

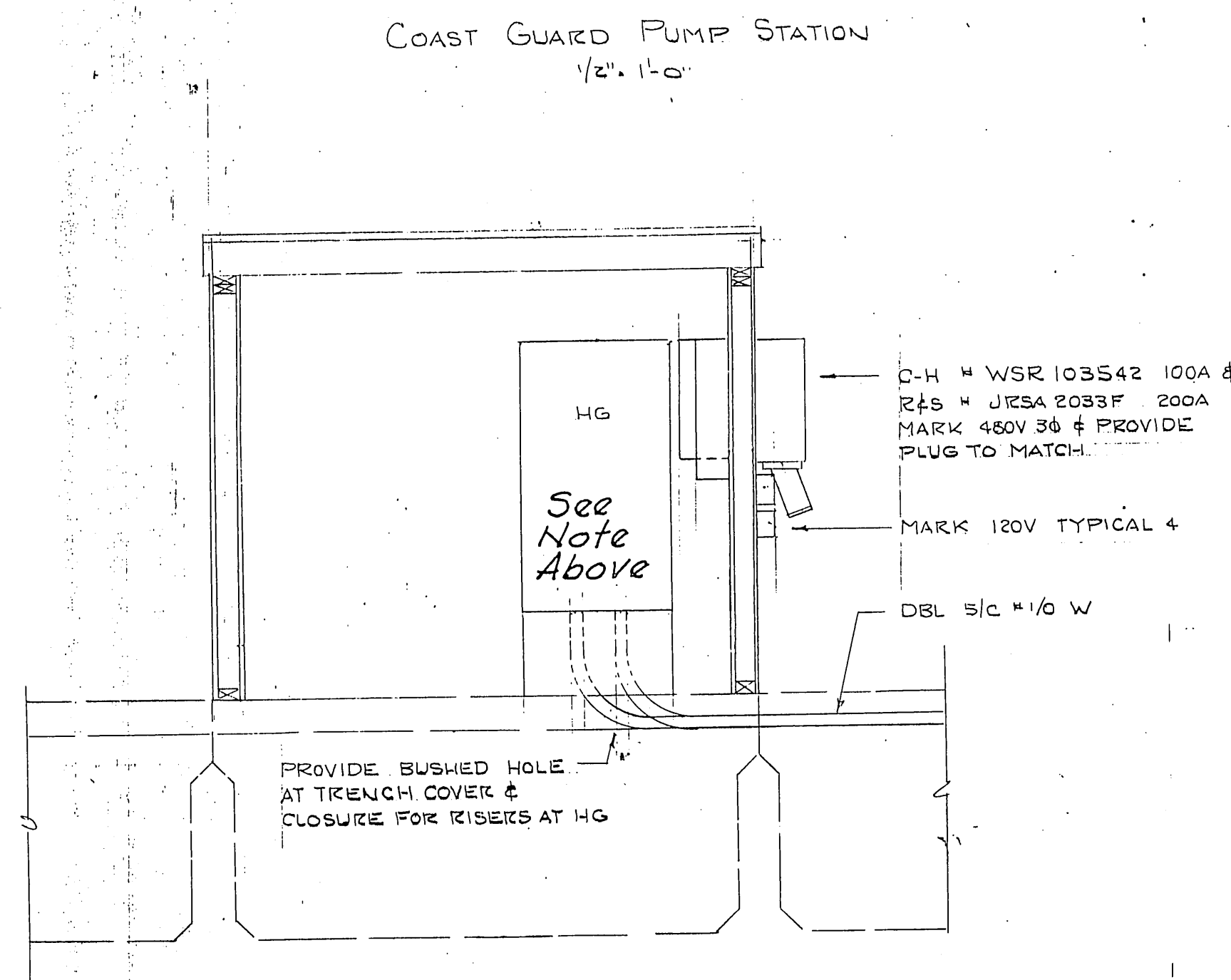
ALUKE BAY



DELETED

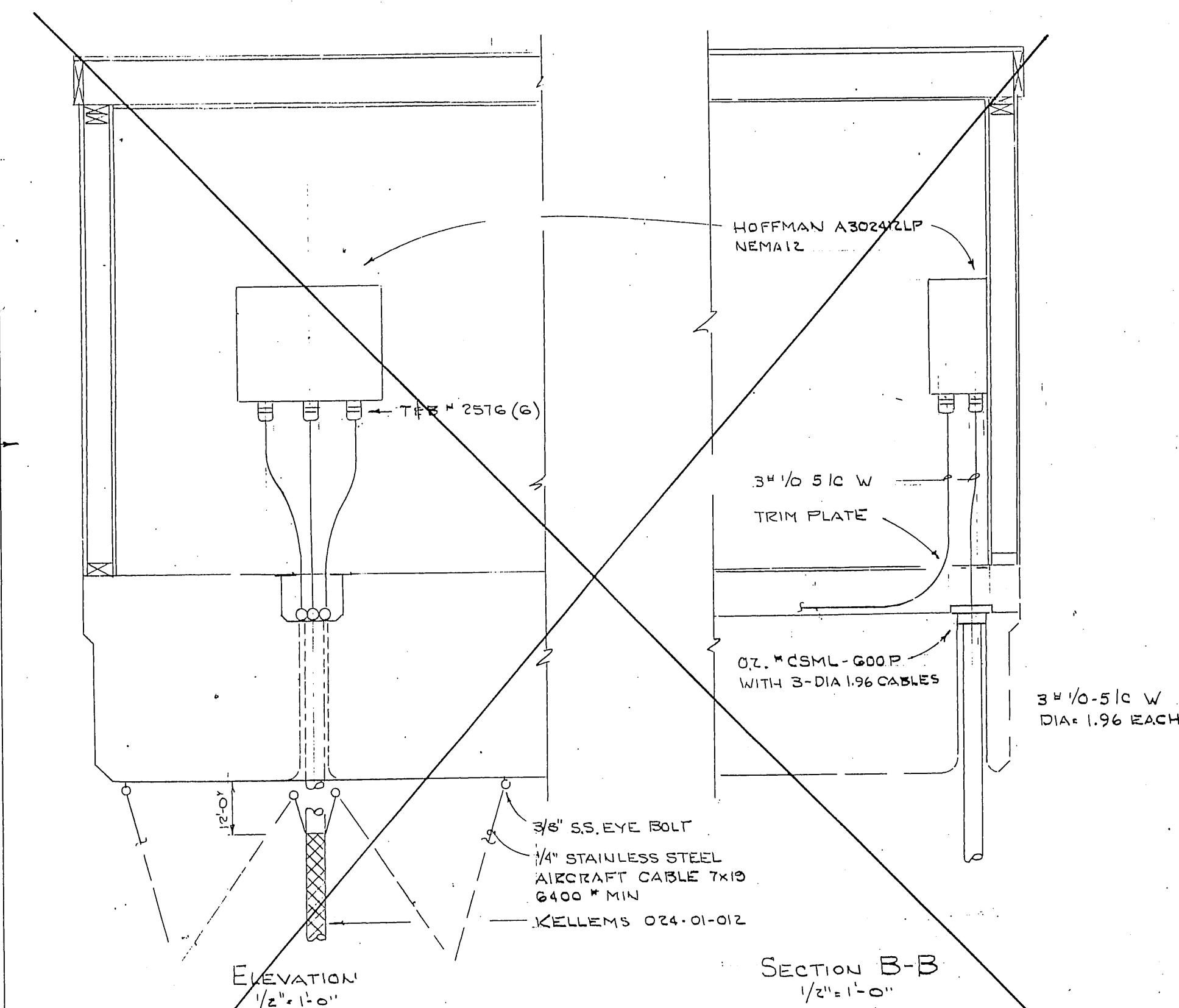


N.I.C. FUTURE



Large Panel mounted where two small ones are and 2 small ones mounted where large ones are.

N.I.C. FUTURE

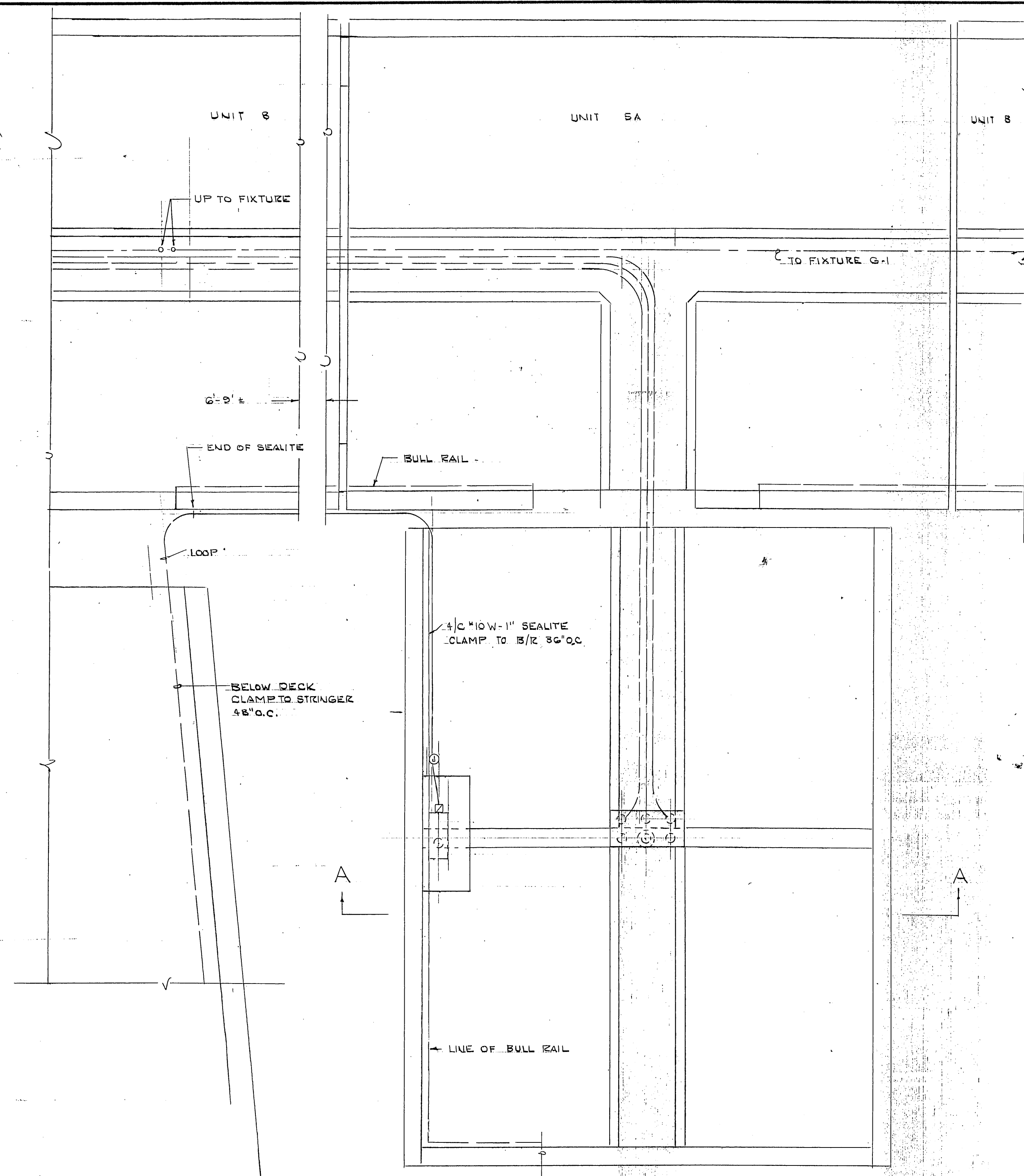


REVISED 8-31-86

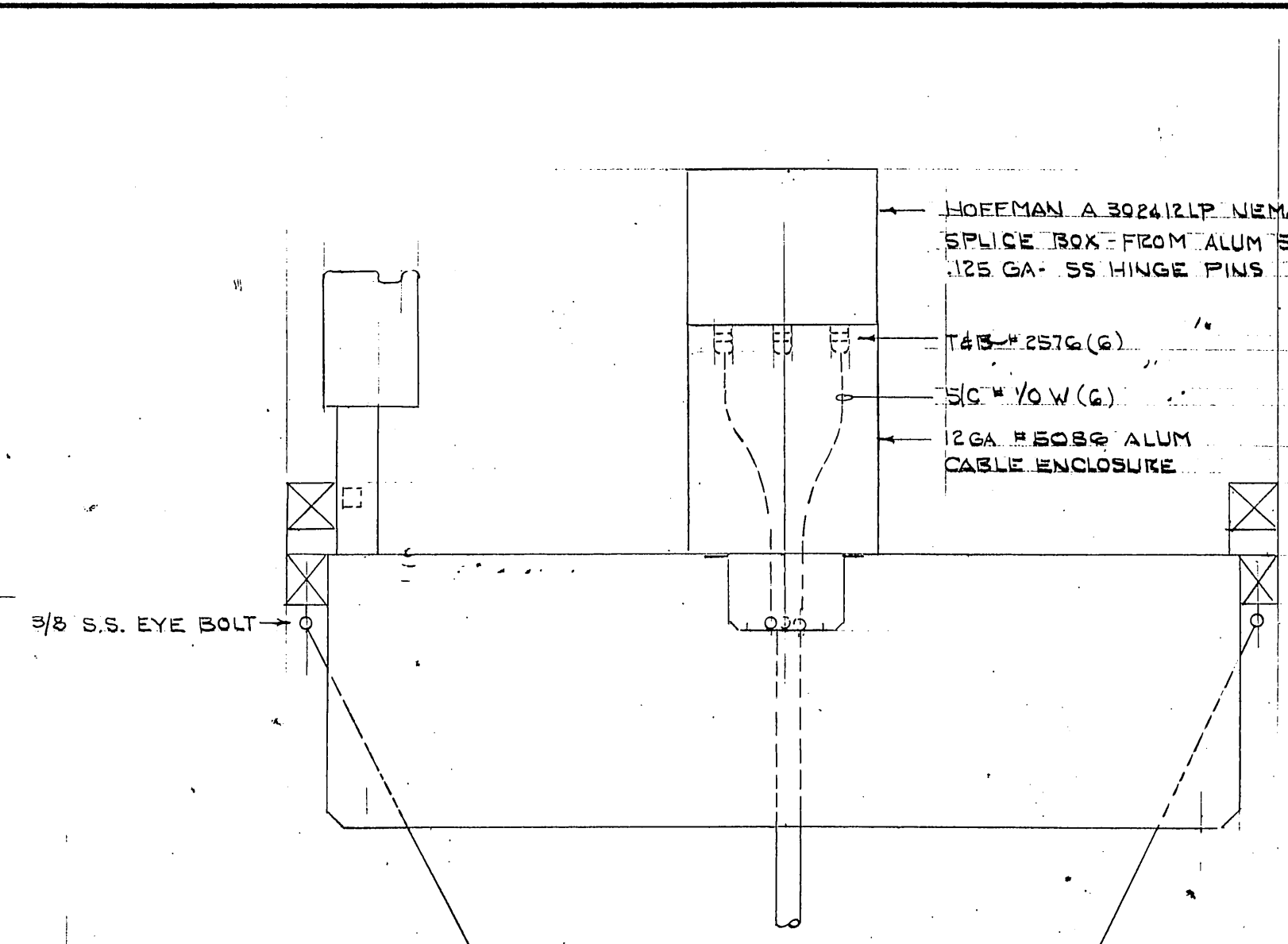
M.H. 10/3/87

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DESIGN AND CONSTRUCTION	
		Auke Bay Alaska	
ELECTRICAL DETAILS			
SCALE NOTED	SURVEYED	APPROVED	
DESIGNED LPL	DRAWN		
CHECKED	DATE 2-20-86		
PROJECT NUMBER 67664, 69016, 69106	SHEET 43 OF 49		

AUKE BAY



SEWAGE PUMP OUT FLOAT PLAN
1/2" = 1'-0"



NOTE EYE BOLT CABLE & GRIP
STAINLESS STEEL COMPOSITION
TO MATCH TO AVOID ELECTROLYSIS

1/4 STAINLESS STEEL
AIRCRAFT CABLE T&B
6400" MIN (4)

KELLEMS Q24-01-012

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

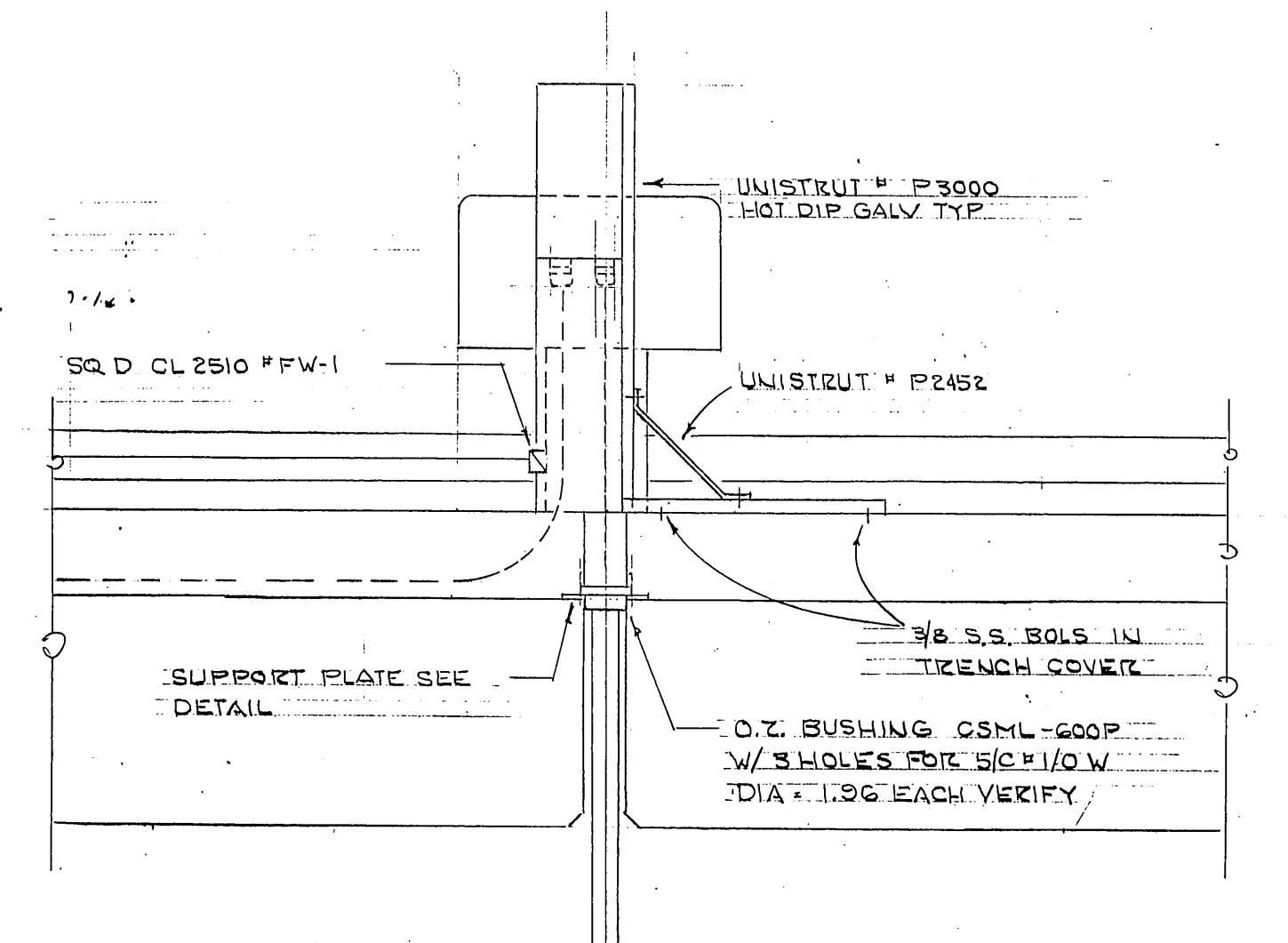
3/2" PNL D

4" x 10" W

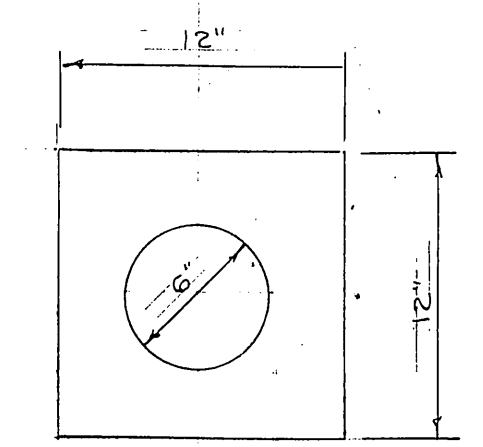


ONE LINE DIAGRAM
NO SCALE

M.H.
10/3/87

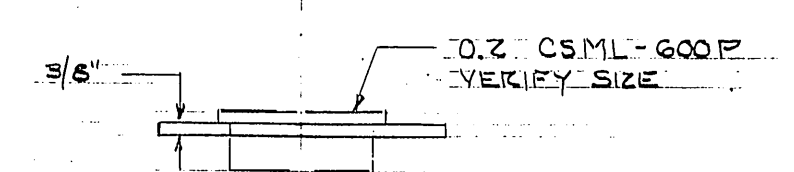


ELEVATION
1/2" = 1'-0"



3/8" STEEL PLATE-HOT DIP
GALV AFTER FABRICATION

SUPPORT PLATE
1/2" = 1'-0"



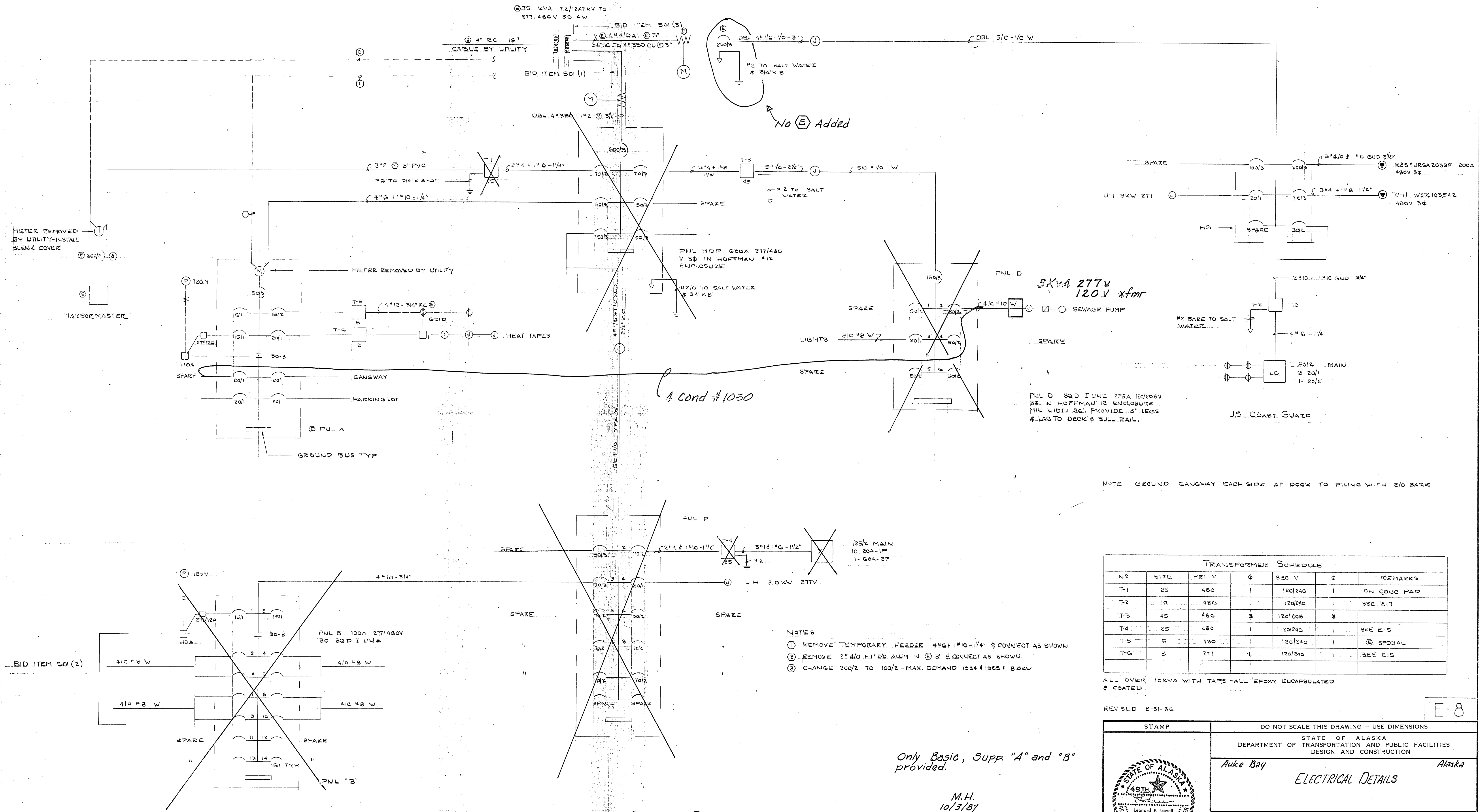
ELEVATION
1/2" = 1'-0"

NEW S-31-8C

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
		STATE OF ALASKA			
		DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
		Alaska Bay		Alaska	
ELECTRICAL DETAILS					
DESIGNED	LPL	CHECKED		DRAWN	
PROJECT NUMBER	67004, 69016, 69106		SHEET	44	OF 49

ALASKA BAY

E-7



NOTE GROUND GANGWAY EACH SIDE AT DOCK TO PILING WITH 2/0 BARE

NO	SIZE	PRV V	Φ	SEC V	Φ	REMARKS
T-1	25	480	1	120/240	1	ON CONC PAD
T-2	10	480	1	120/240	1	SEE E-7
T-3	45	480	3	120/208	3	
T-4	25	480	1	120/240	1	SEE E-5
T-5	5	480	1	120/240	1	Ⓢ SPECIAL
T-6	3	277	1	120/240	1	SEE E-5

ALL OVER 10KVA WITH TAPS - ALL EPOXY ENCAPSULATED & COATED

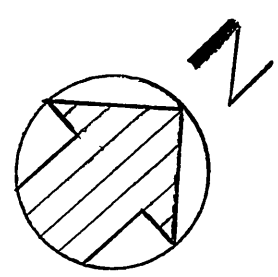
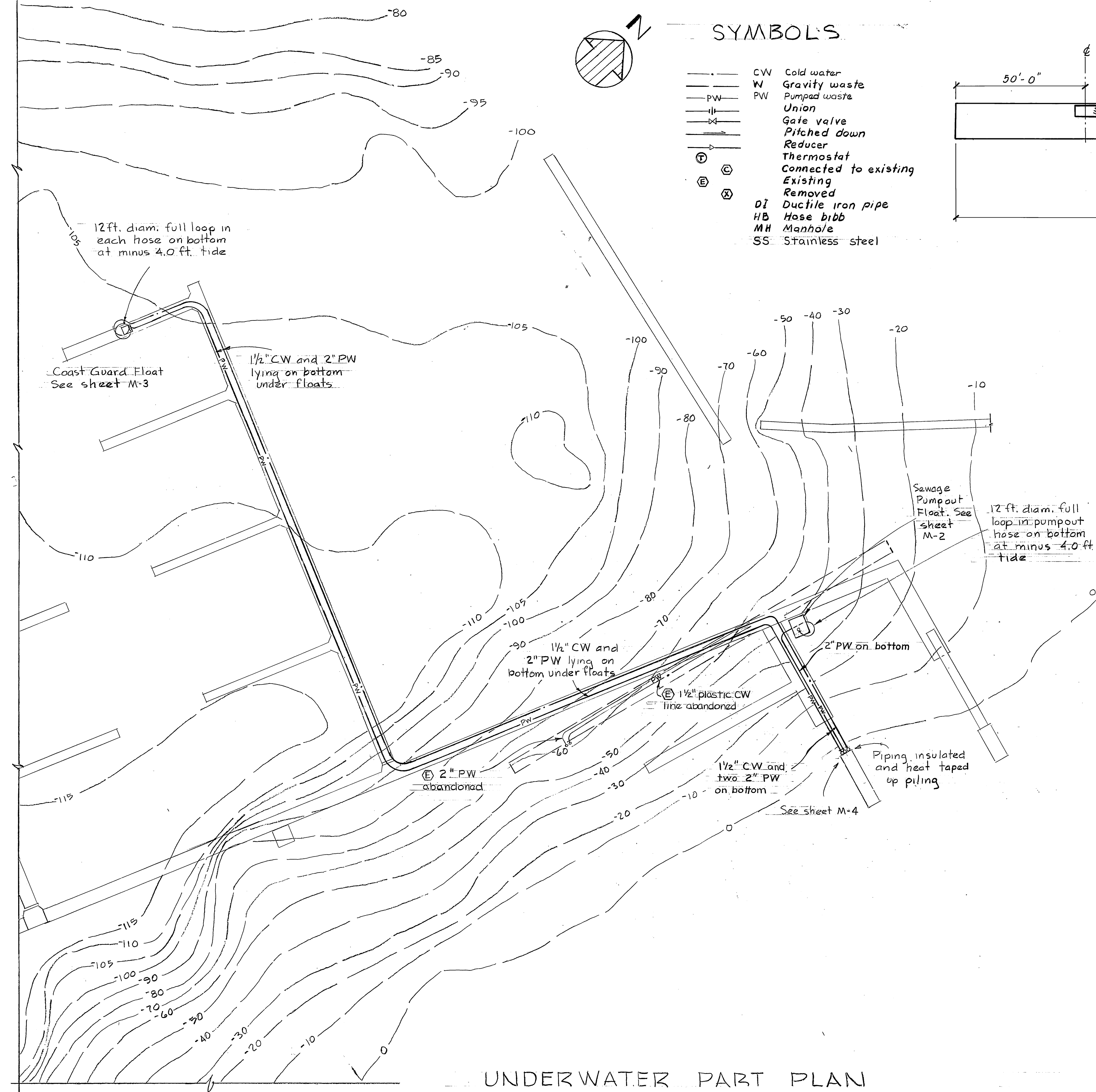
REVISED 8-31-86

E-8

STAMP 	DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DESIGN AND CONSTRUCTION	
	Auke Bay, Alaska	
	ELECTRICAL DETAILS	
SCALE NONE	SURVEYED	APPROVED
DESIGNED LPL	DRAWN	
CHECKED	DATE May 82	
PROJECT NUMBER 67664, 69016, 69106	SHEET 45 OF 49	

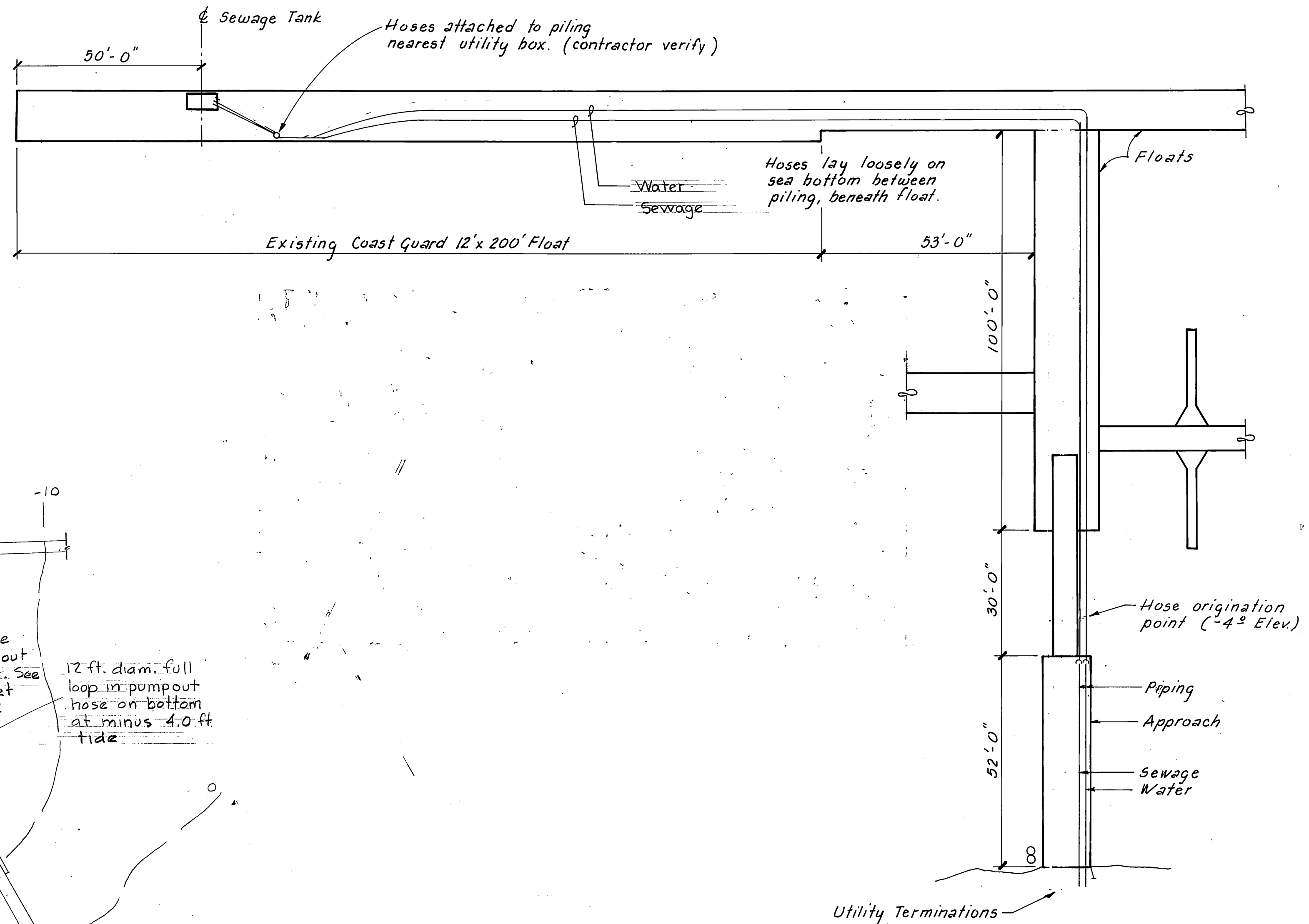
Only Basic, Supp "A" and "B" provided.

M.H.
10/3/87ONE LINE DIAGRAMS
NO SCALE



SYMBOLS

- CW Cold water
- W Gravity waste
- PW Pumped waste
- Union
- Gate valve
- Pitched down
- Reducer
- Thermostat
- Connected to existing
- Existing
- Removed
- DI Ductile iron pipe
- HB Hose bibb
- MH Manhole
- SS Stainless steel



EXISTING UNDERWATER UTILITIES

1" = 20'

Notes: 1. Drawings from U.S. Coast Guard Engineering As-builts for existing CG Float. Information only; contractor to verify conditions.
2. Contractor to purge water and sewer lines and cap ends prior to removal.

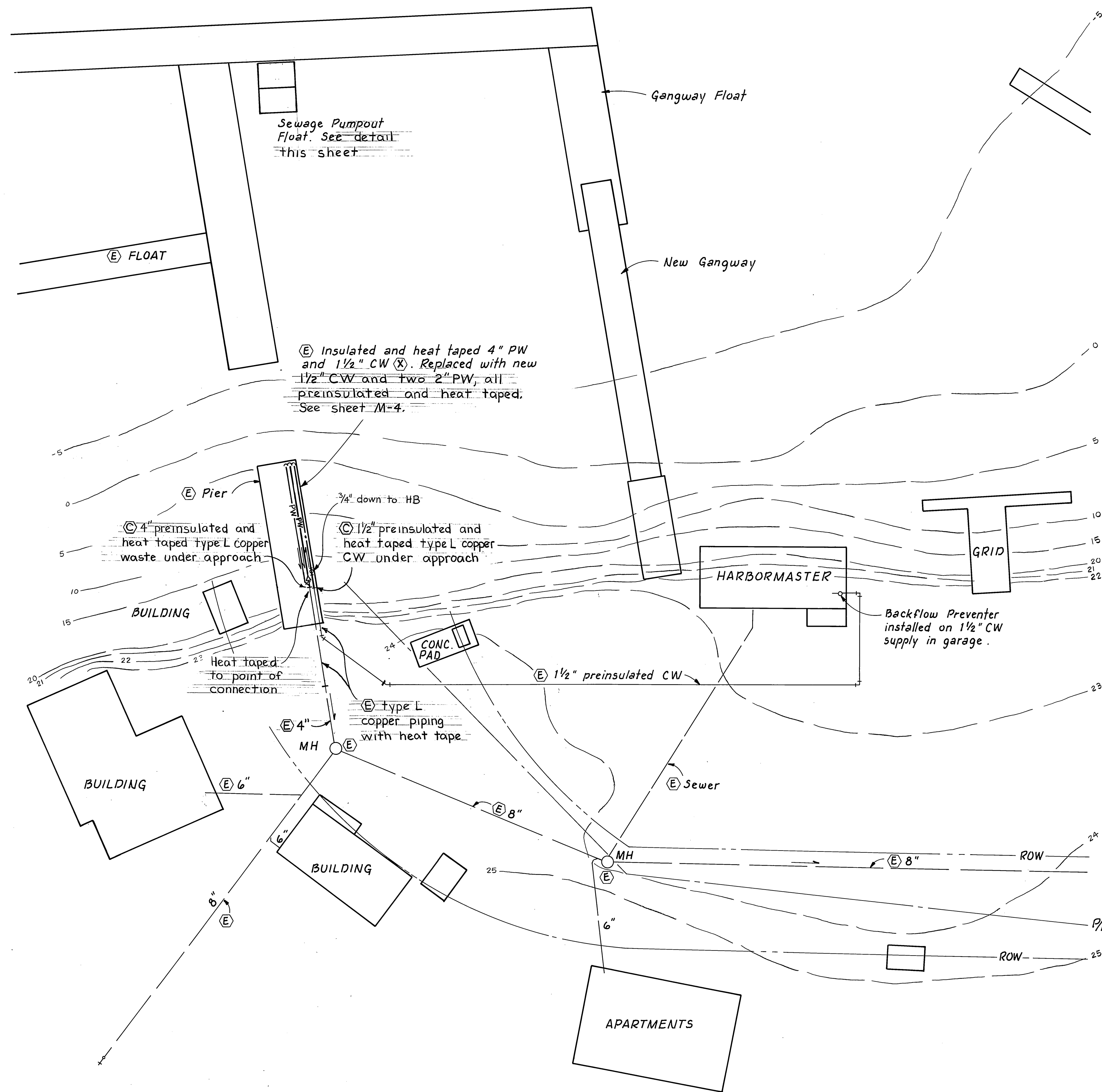
UNDERWATER PART PLAN

1" = 50'-0"

M-1

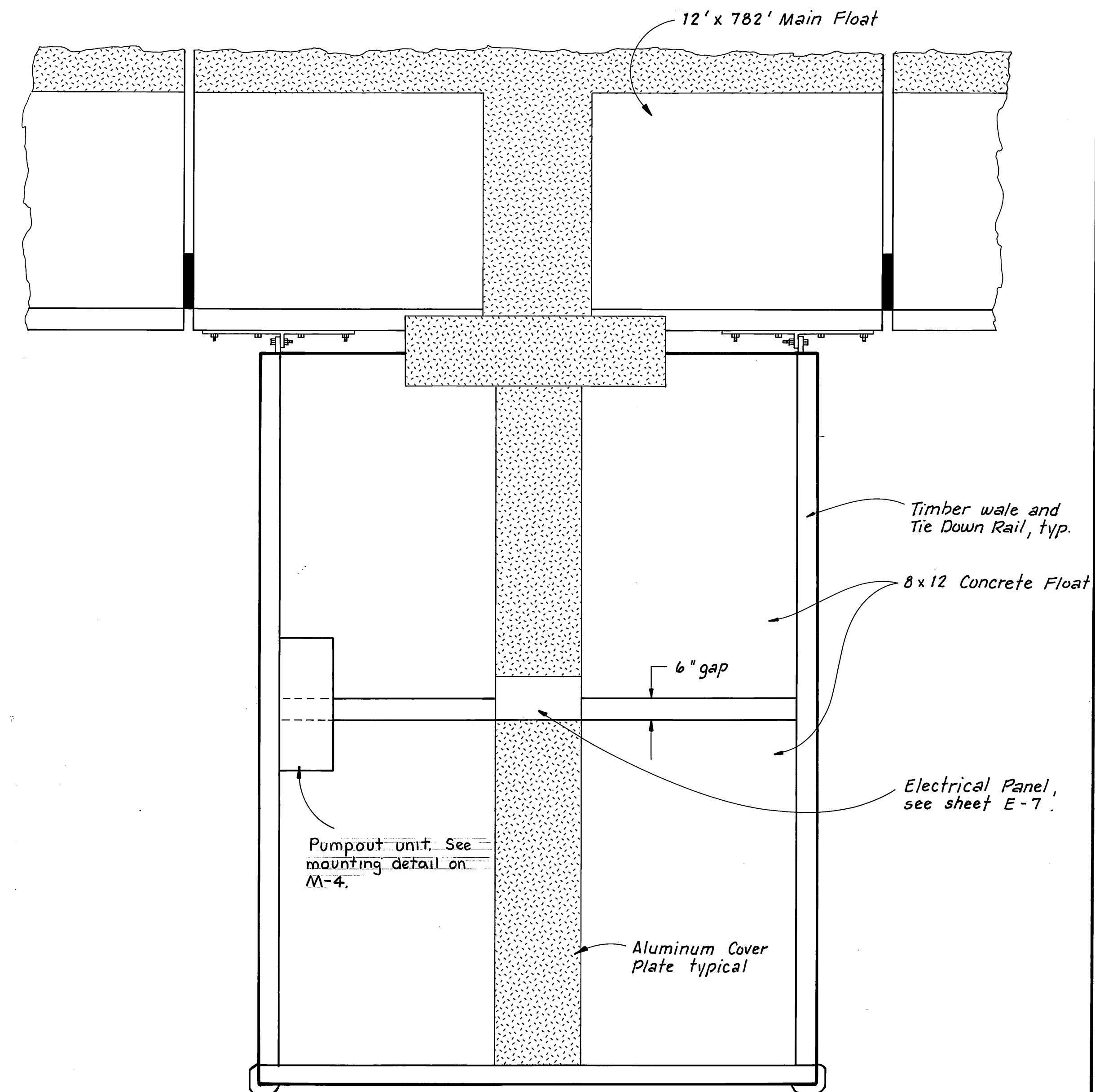
STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DESIGN AND CONSTRUCTION	
		Auke Bay Mechanical Plan Alaska	
SCALE	DESIGNED V.A.	SURVEYED	APPROVED
CHECKED	DRAWN V.A.	DATE 11-86	
PROJECT NUMBER 67664, 6706, 6706		SHEET 40 OF 49	

M.H.
10/3/87



PART PLAN PARKING AREA
1" = 20'

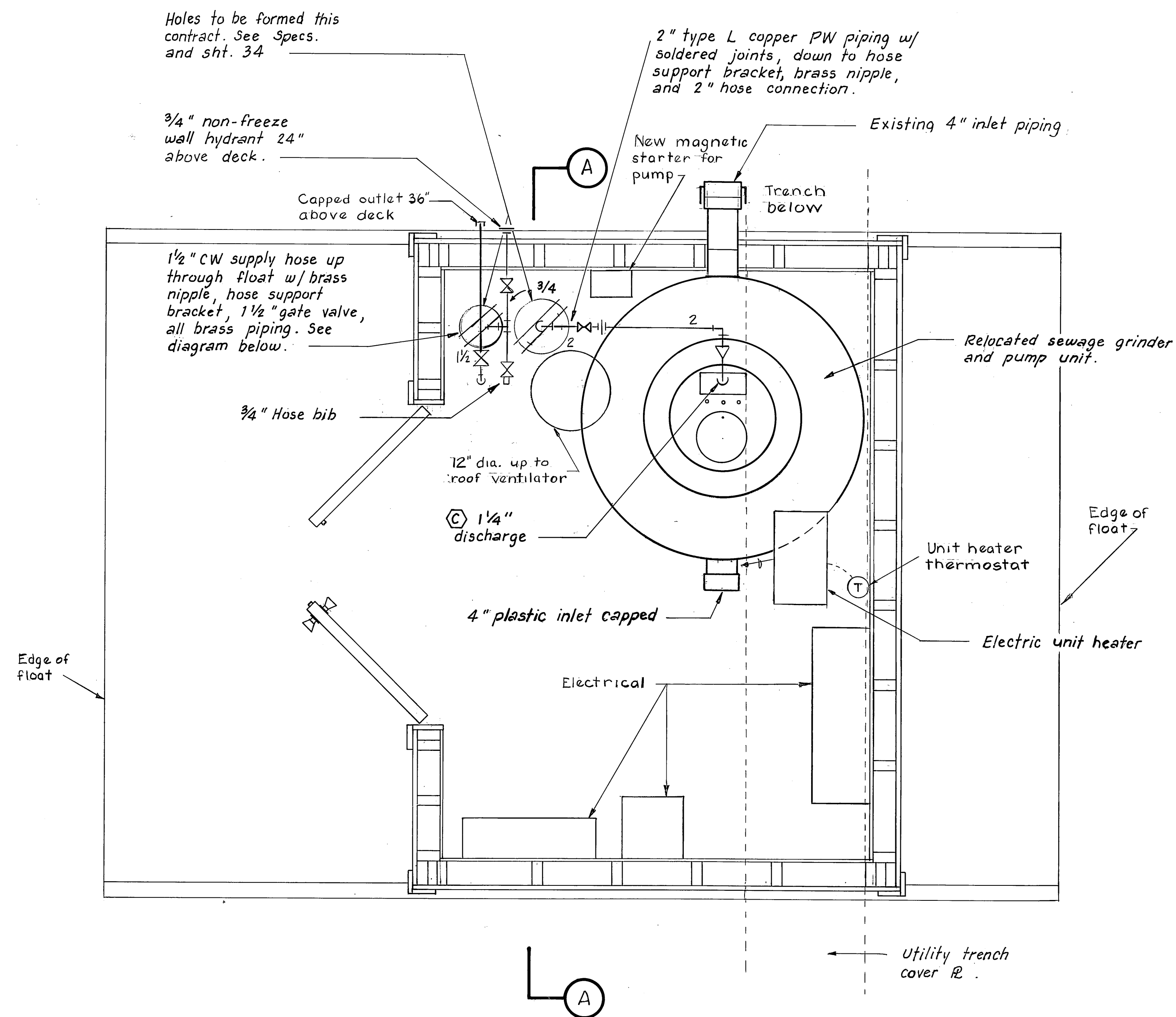
M.H.
10/3/87



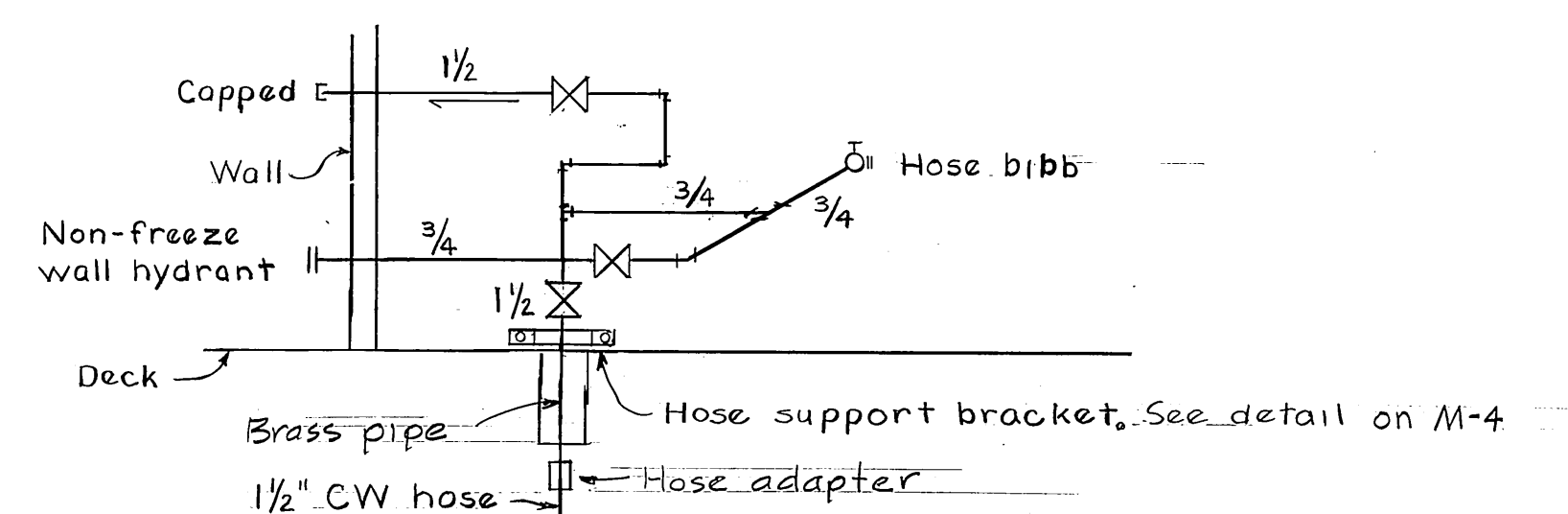
SEWAGE PUMPOUT FLOAT
1/2" = 1'-0"

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA	
		DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
		Auke Bay	Alaska
		MECHANICAL PLAN DETAILS	
DESIGNED V.A.	CHECKED V.A.	DRAWN V.A.	DATE 11-86
PROJECT NUMBER 67664, 69016, 69106		SHEET 47 OF 49	

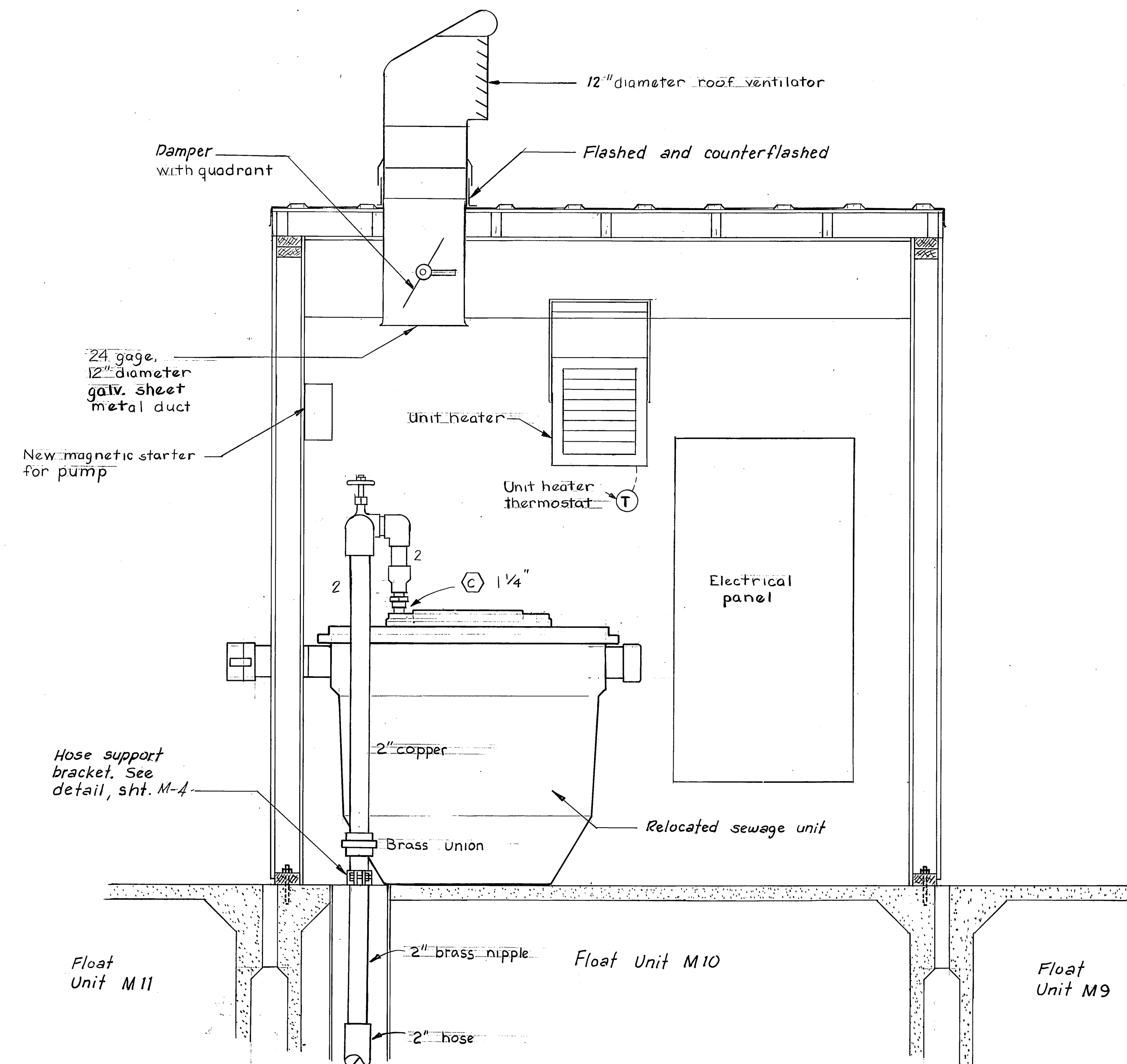
M-2



PLAN - COAST GUARD FLOAT
1" = 1'-0"

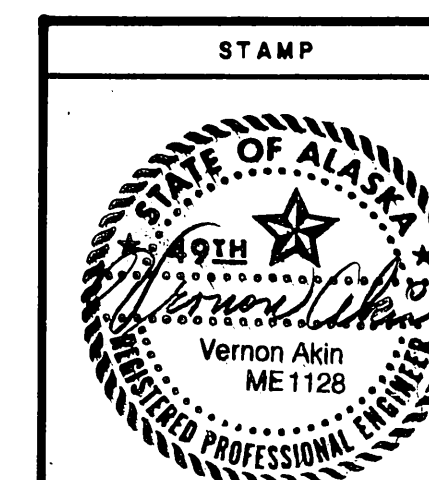


CW PIPING DIAGRAM - USCG FLOAT
No Scale

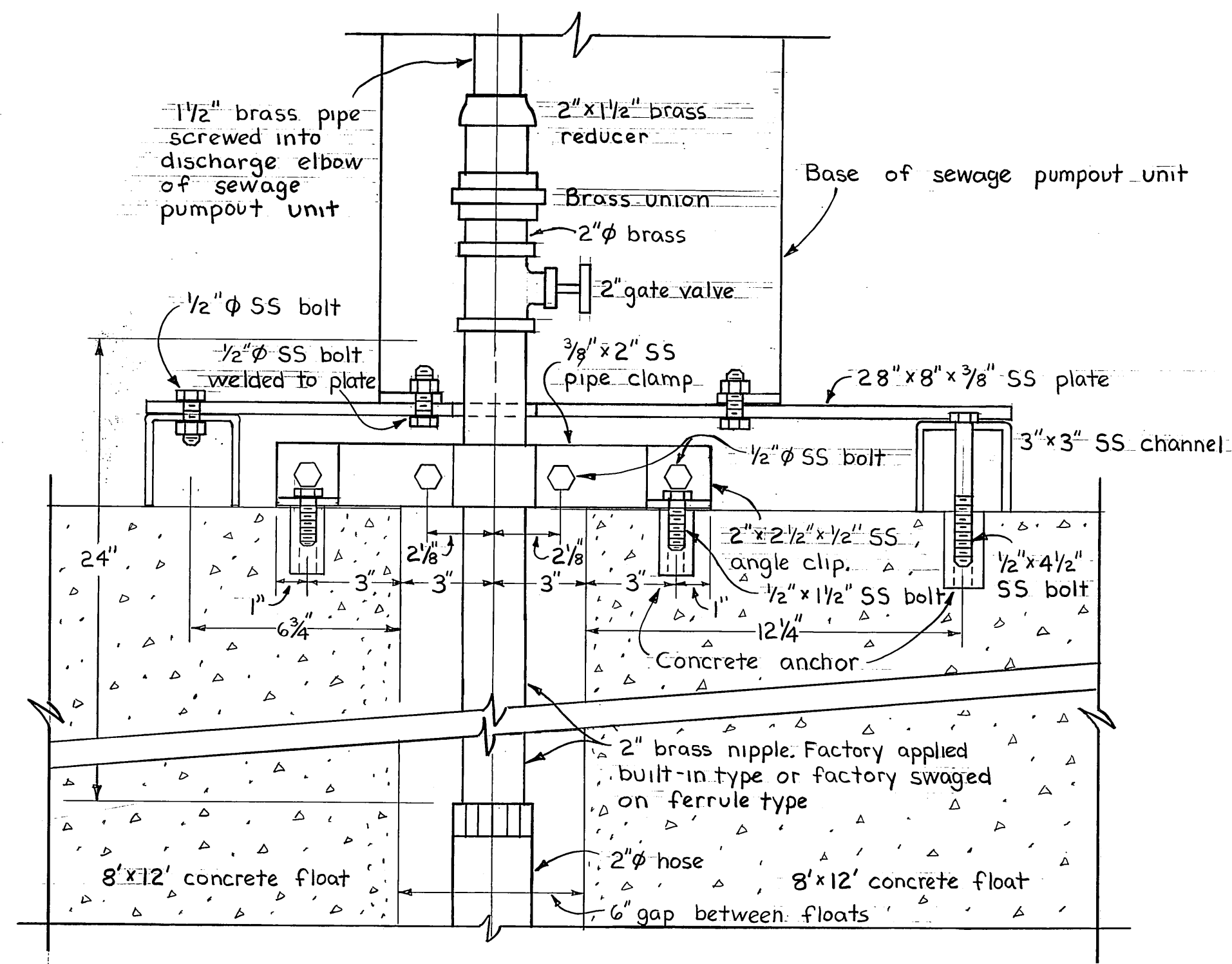


SECTION A-A
1" = 1'-0"

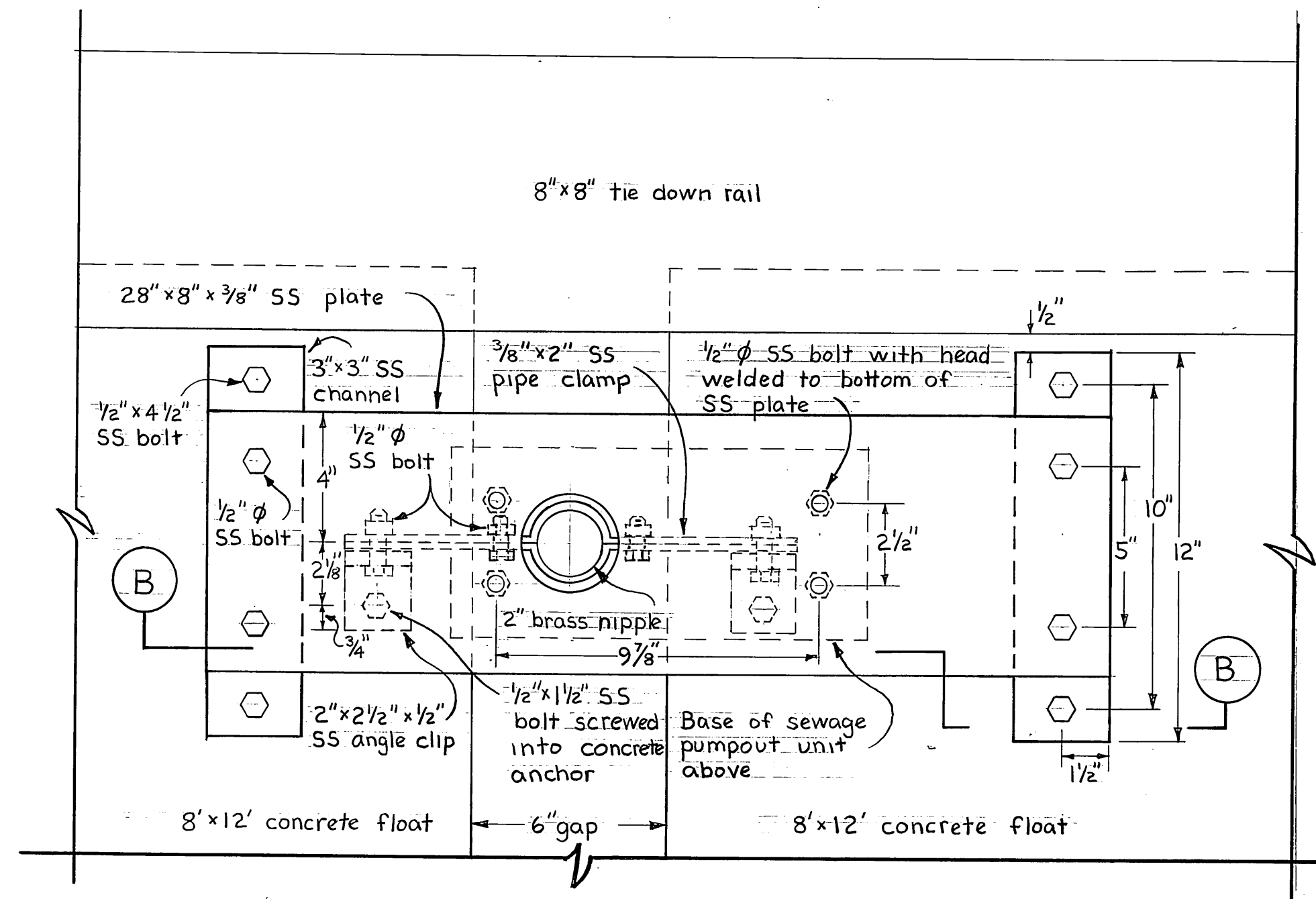
M.H.
10/3/87



DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
STATE OF ALASKA			
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
Auke Bay		Alaska	
MECHANICAL DETAILS			
DESIGNED <u>V.A.</u>	CHECKED <u>V.A.</u>	DRAWN <u>TS</u>	DATE <u>11-86</u>
PROJECT NUMBER <u>67664, 69016, 69106</u>		SHEET <u>48</u>	OF <u>49</u>

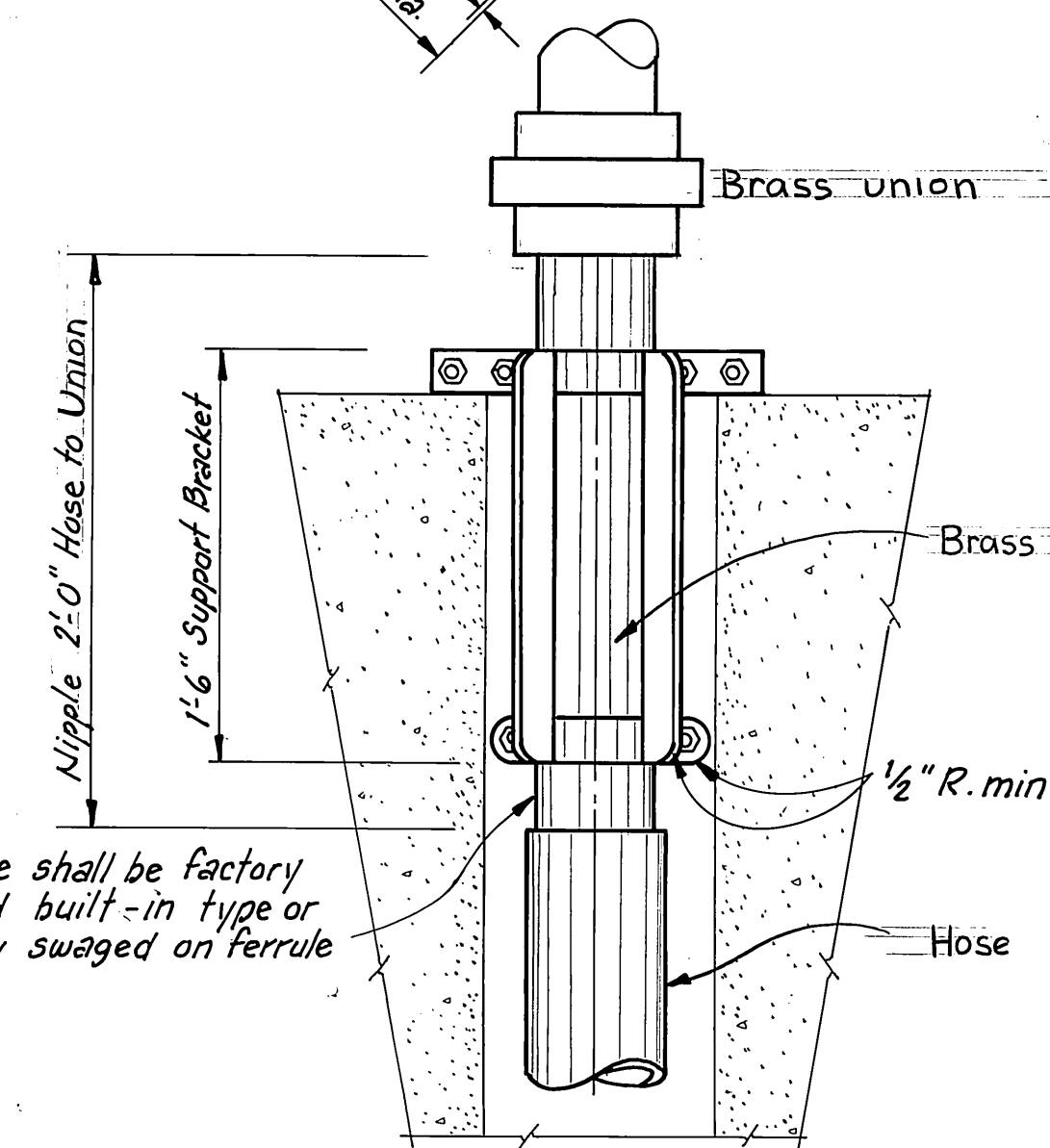
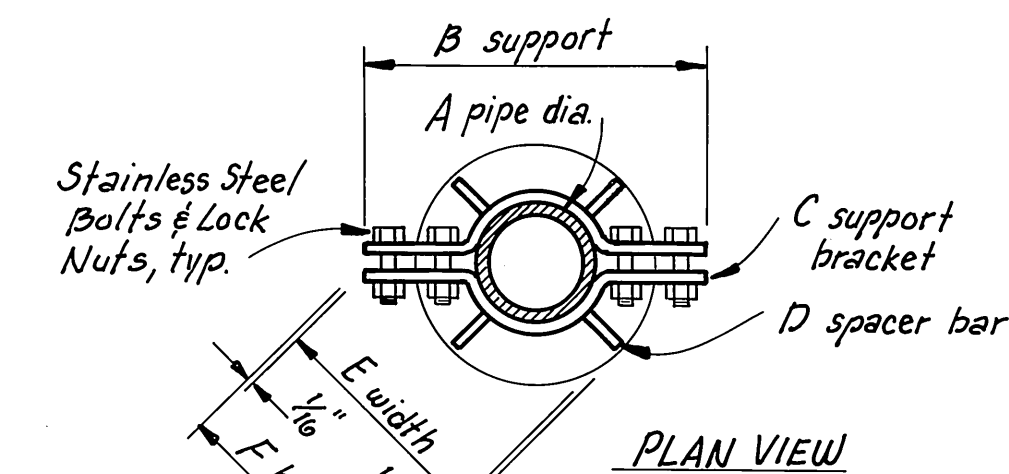


SECTION B-B
3"=1'-0"

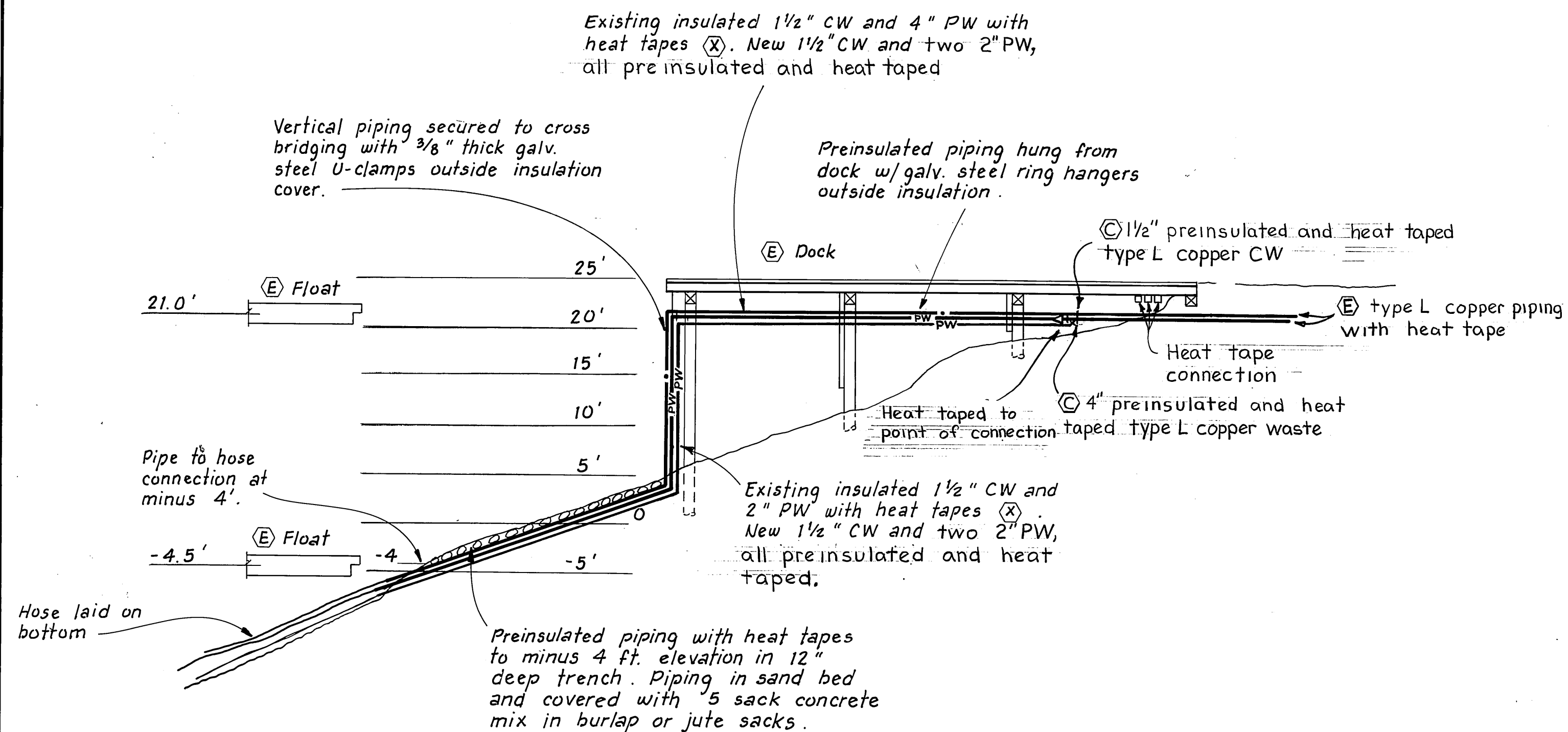


MOUNTING DETAIL
PUMPOUT UNIT
3"=1'-0"

Hose Support Bracket Schedule									
No. Req'd.	A pipe Nom.	O.D.	Support Bracket B Top	B Bottom	C Bar	Data Bolt Size	Spacer Bar D	Bracket Width E	Access Hole Dia. F
1	1 1/2"	1.90"	14"	5 1/2"	3/8" x 2"	1/2" x 2"	3/8" x 1 7/16"	5 7/8"	6"
1	2"	2.38"	15 1/2"	7 1/2"	3/8" x 2"	1/2" x 2"	3/8" x 2 3/16"	7 1/8"	8"

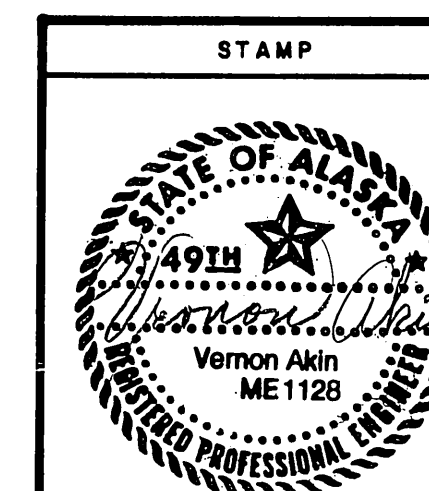


HOSE SUPPORT BRACKET DETAIL
COAST GUARD FLOAT
No Scale



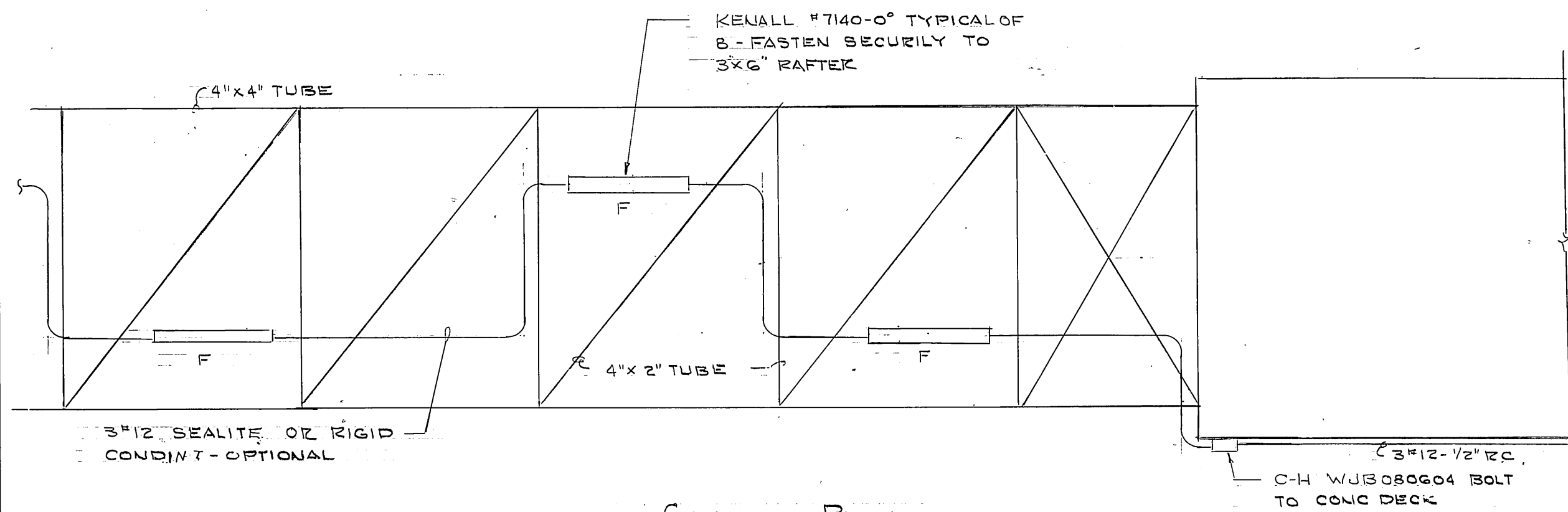
SECTION OF EXISTING DOCK
SEWER AND WATER SERVICE
1"=10'-0"

M.H.
10/3/87

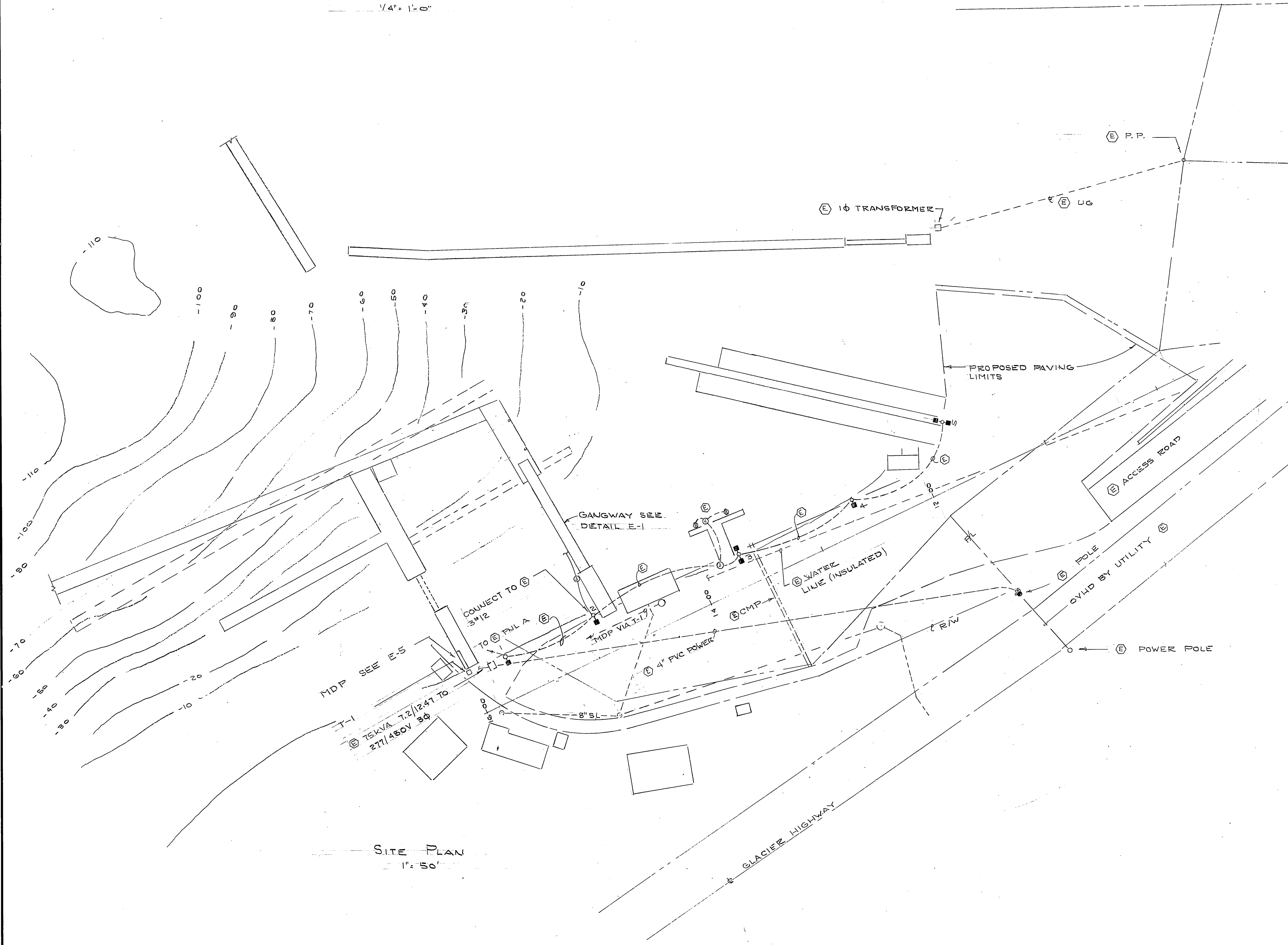


DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
STATE OF ALASKA			
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
Auks Bay		Alaska	
MECHANICAL DETAILS			
DESIGNED	V. A.	CHECKED	V. A.
DRAWN	T. S.	DATE	11-86
PROJECT NUMBER	67664, 69016, 69106		SHEET 49 OF 49

M-4

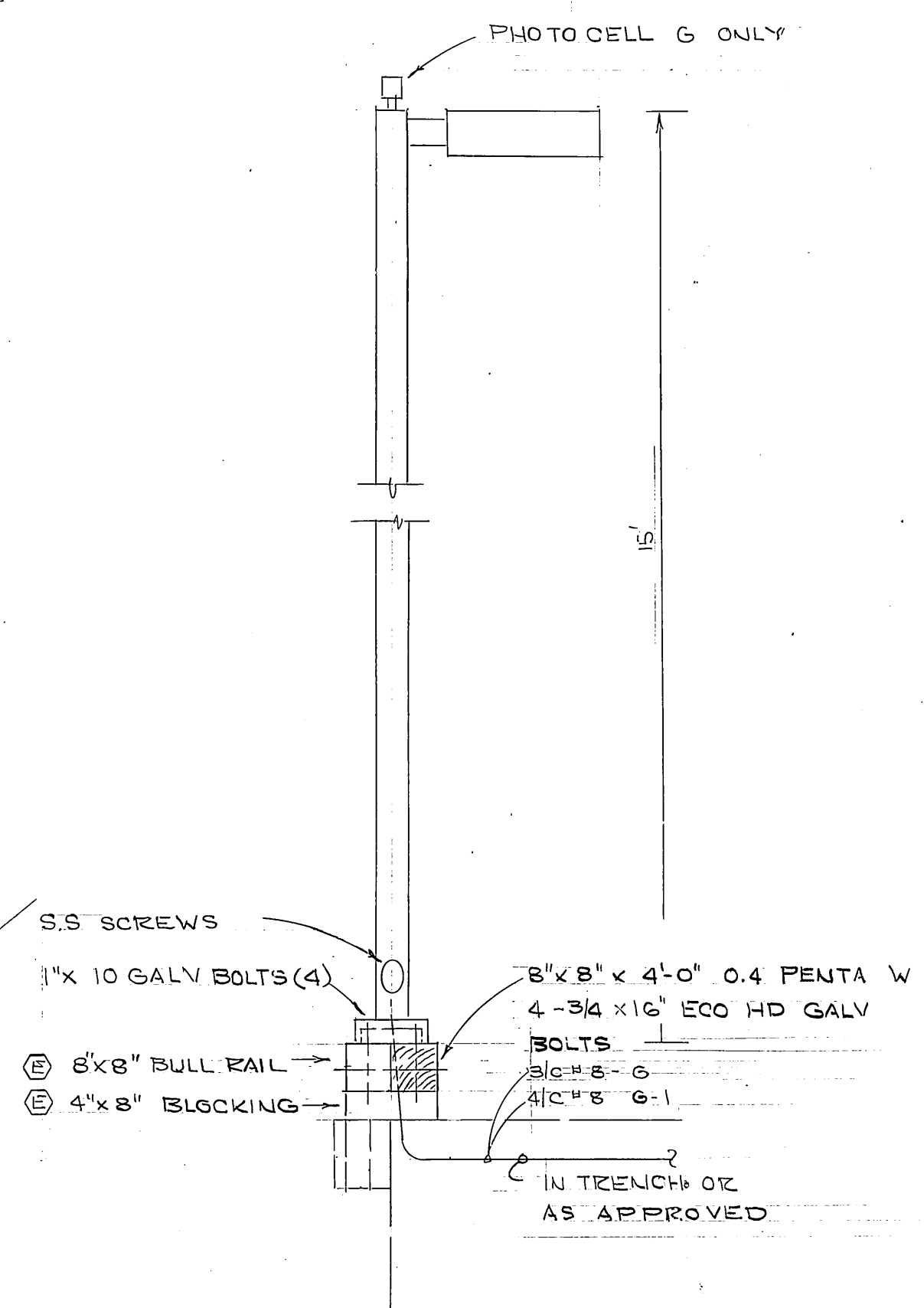


GANGWAY PLAN
1/4" = 1'-0"



SITE PLAN
1" = 50'

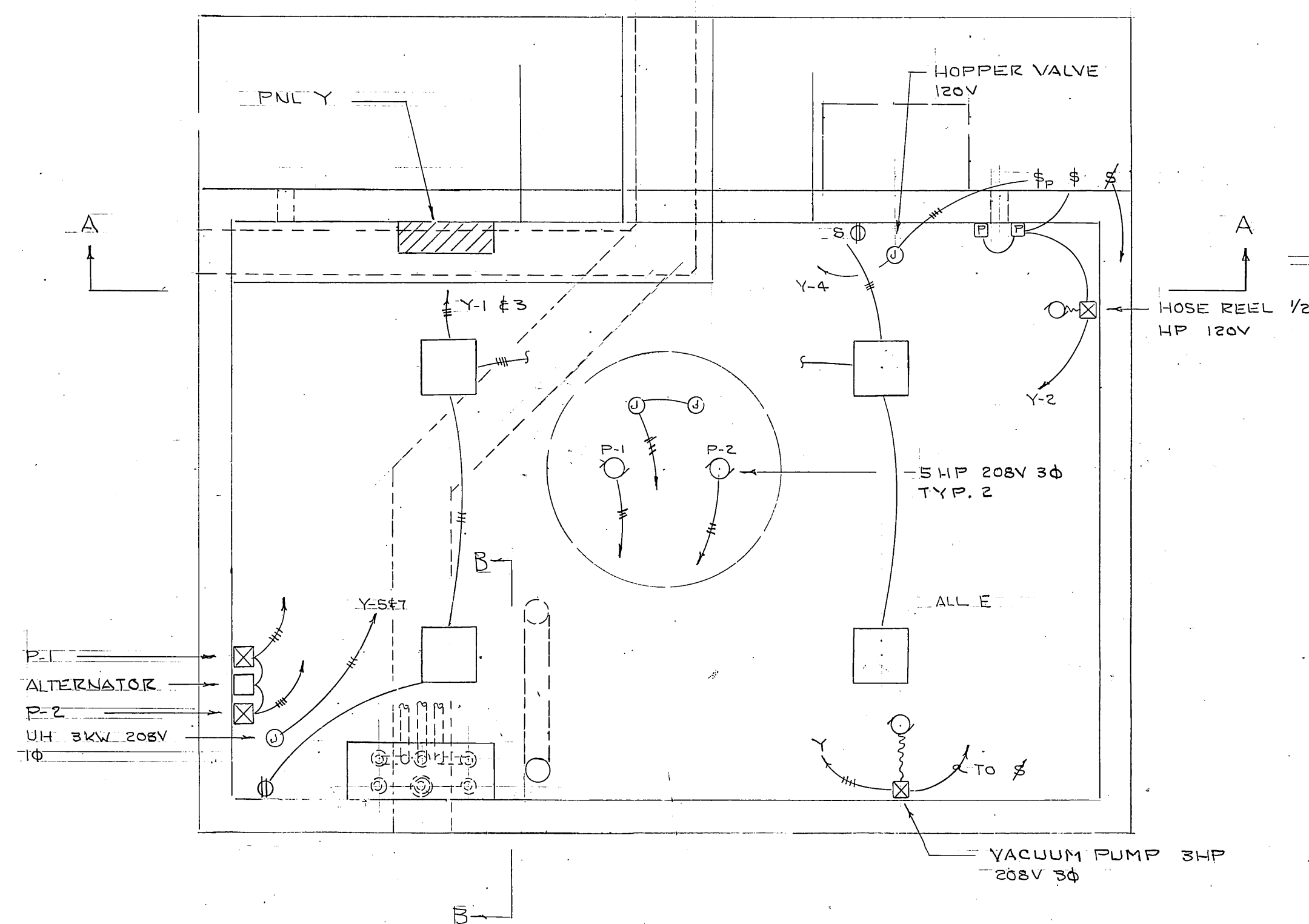
FIXTURE SCHEDULE			
TYPE	MFG	W	REMARKS
A	NOT USED		
B	McPHILBEN 17RAGI-DB-277-2D/20SNL603 MOD	2-100 HPS	E-4
C	NOT USED		
D			
E	KENALL 4400-CW-3800A-120	2-FCGT9	SEE DETAIL E-5
F	" 7140-0-277	1-40TS	E-1
G	McPHILBEN 17RAGI-DB-120-1D/20SNL503	100 HPS	E-1
G-1	" 17RAGI-DB-277-1D/20SNL503	100 HPS	E-1



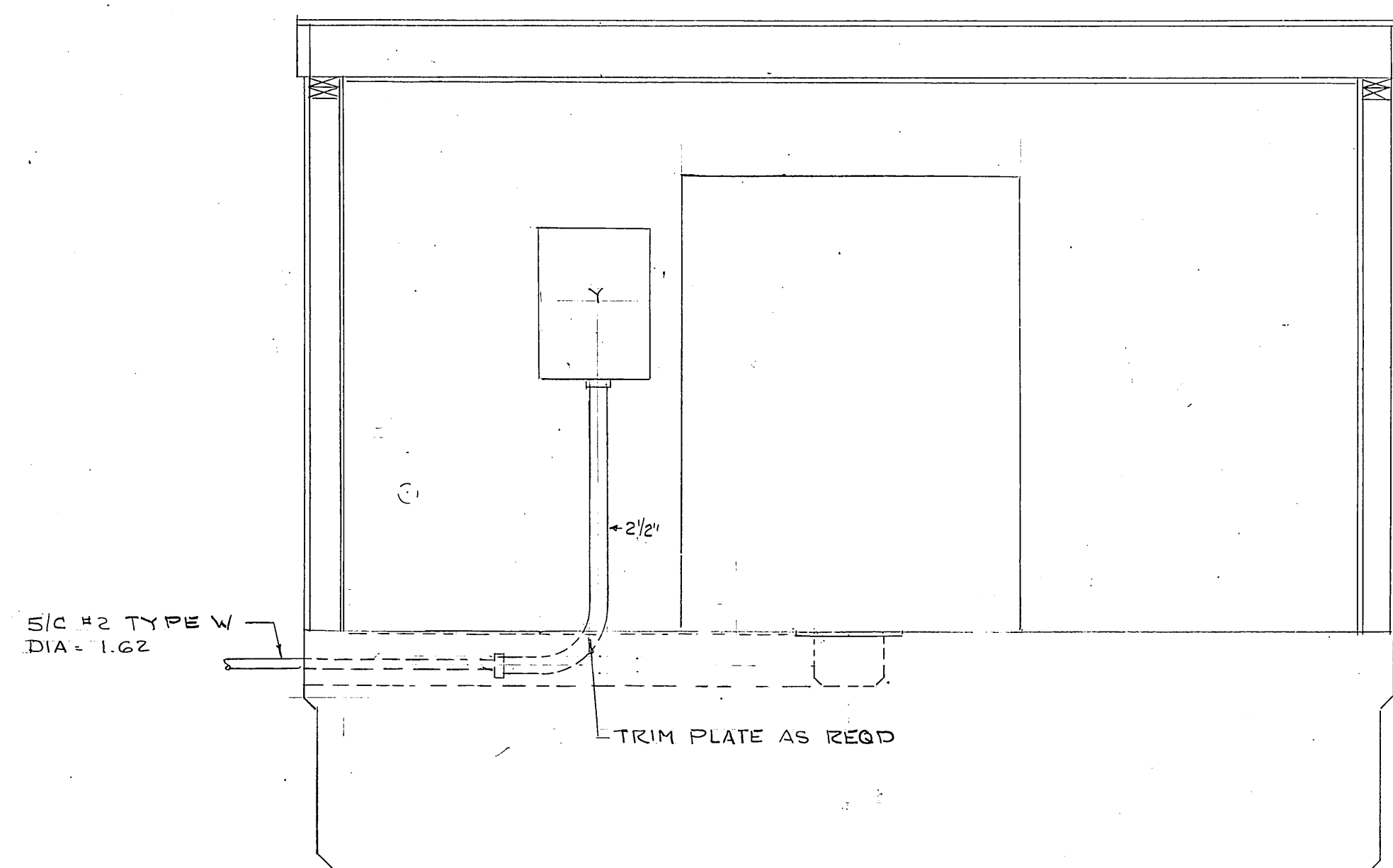
FIXTURE TYPE G & G-1
1/2" = 1'-0"

REVISED 8/31/86

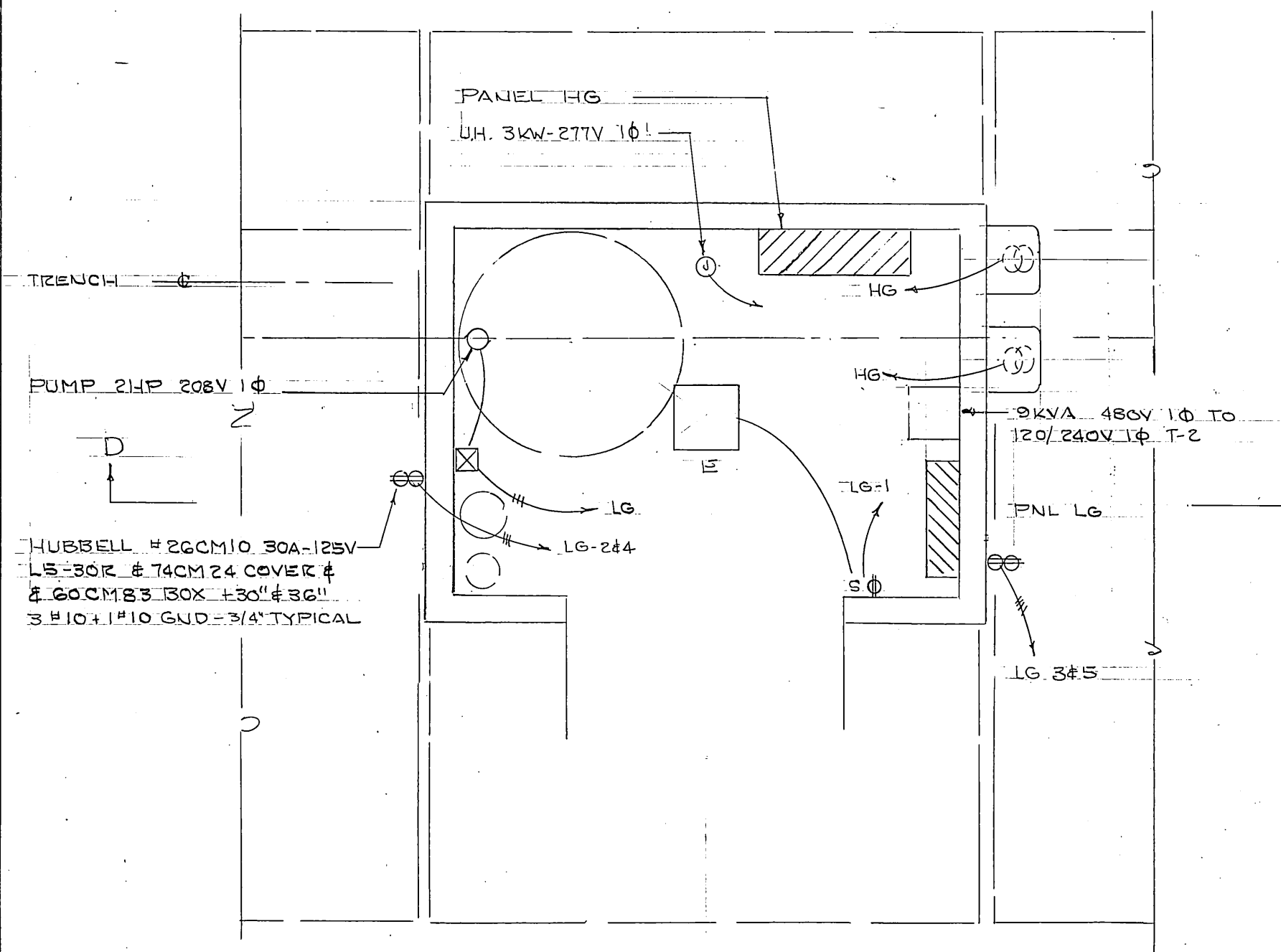
<div>STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER Leonard P. Lowell No. 553-E</div>	DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DESIGN AND CONSTRUCTION	
	Don Statter Hbr. Ruke Bay, Alaska ELECTRICAL PLAN	
	SCALE _____ DESIGNED _____ CHECKED _____	SURVEYED _____ DRAWN _____ DATE _____ PROJECT NUMBER _____ SHEET _____ OF _____



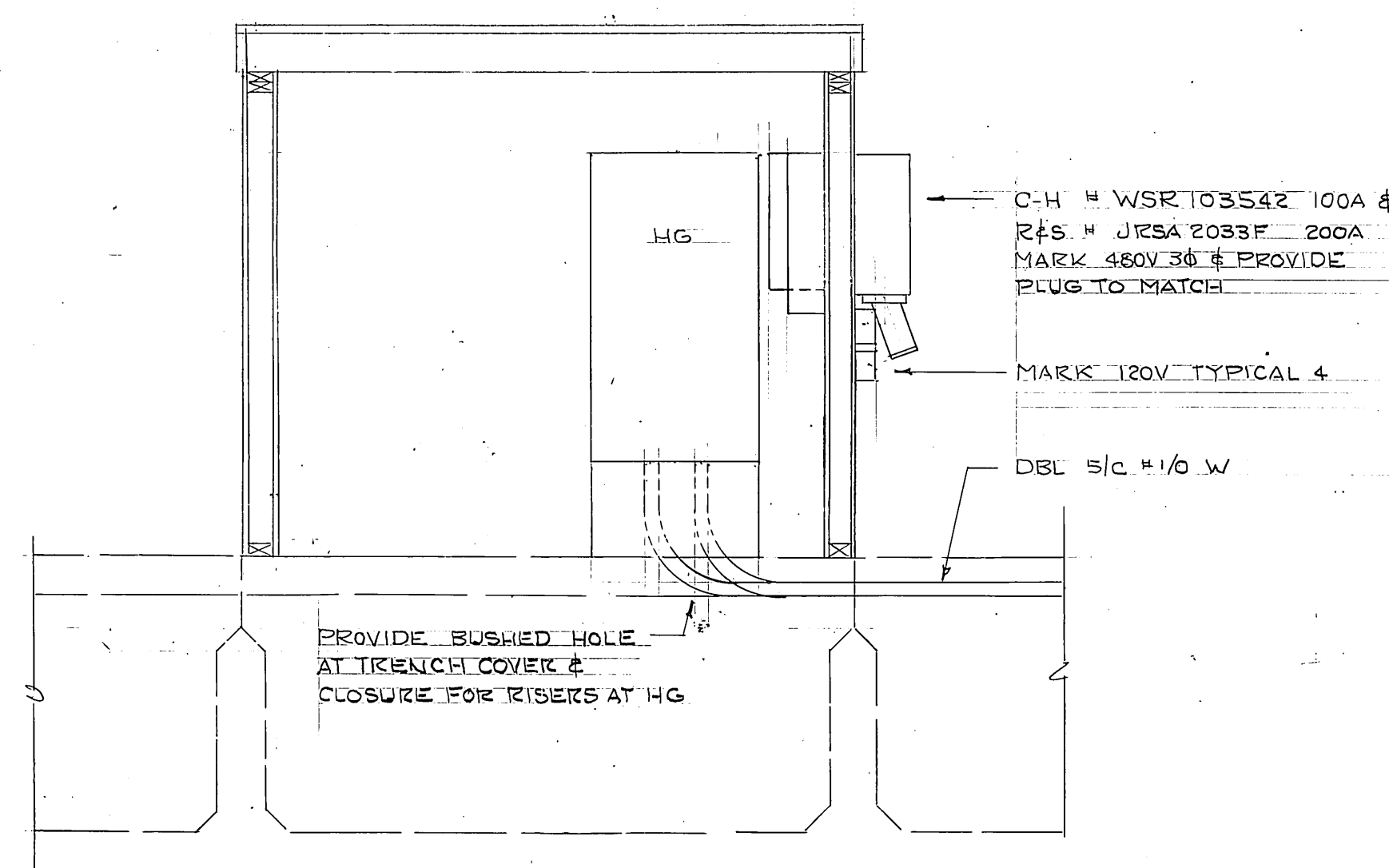
PUMP STATION PLAN
1/2" = 1'-0"



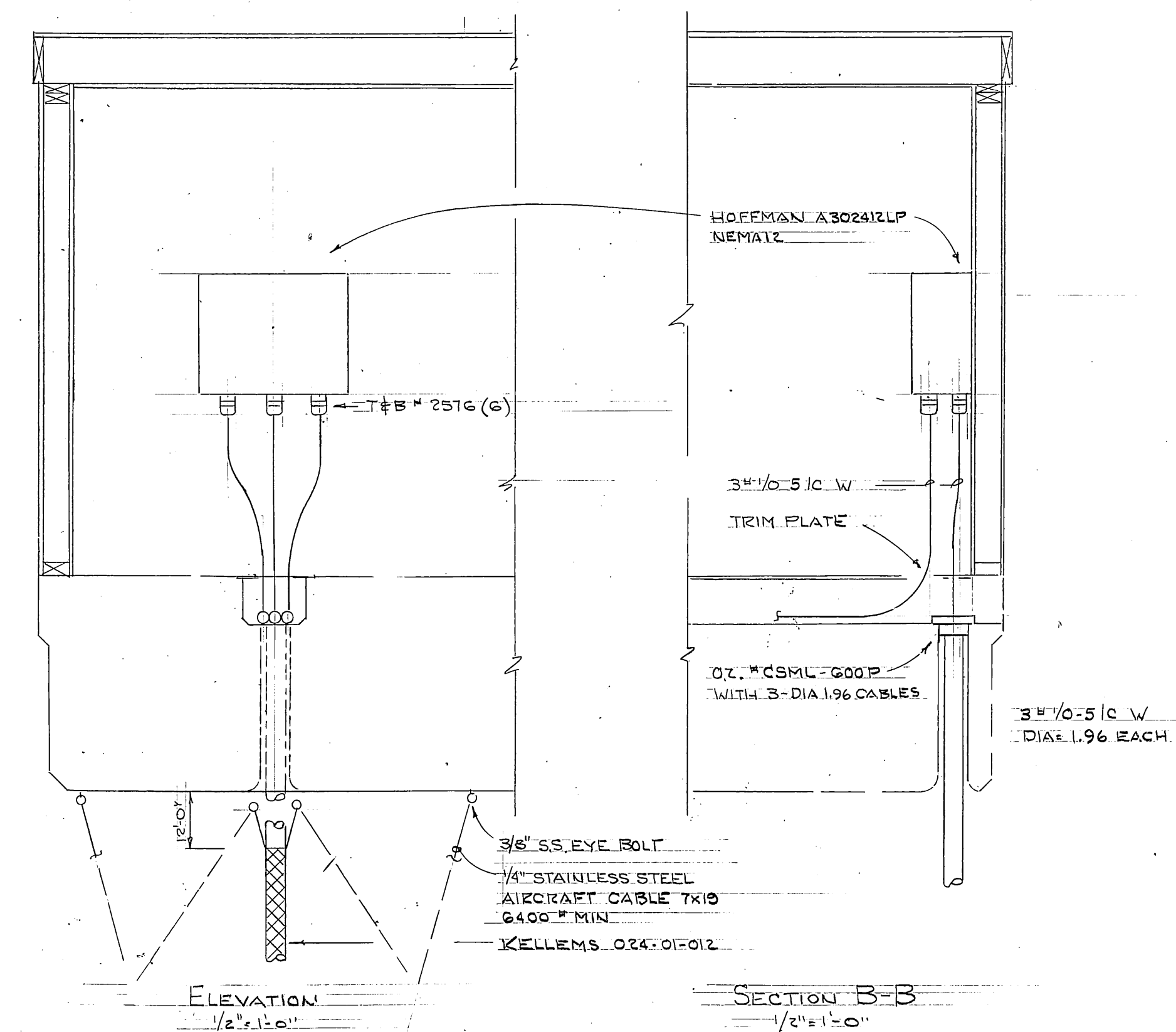
SECTION A-A
1/2" = 1'-0"



COAST GUARD PUMP STATION
1/2" - 1-0"




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



REVISÉD 8-31-80

E-6

<p>STAMP</p>	<p>DO NOT SCALE THIS DRAWING — USE DIMENSIONS</p>		
	<p>STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DESIGN AND CONSTRUCTION</p> <p><i>Don Statter Hbr. Auke Bay, Alaska</i></p> <p><i>ELECTRICAL DETAILS</i></p>		
	<p>SCALE _____</p>	<p>SURVEYED _____</p>	<p>APPROVED _____</p>
	<p>DESIGNED _____</p>	<p>DRAWN _____</p>	
	<p>CHECKED _____</p>	<p>DATE <i>6</i> _____</p>	
	<p>PROJECT NUMBER _____</p>		<p>SHEET _____ OF _____</p>