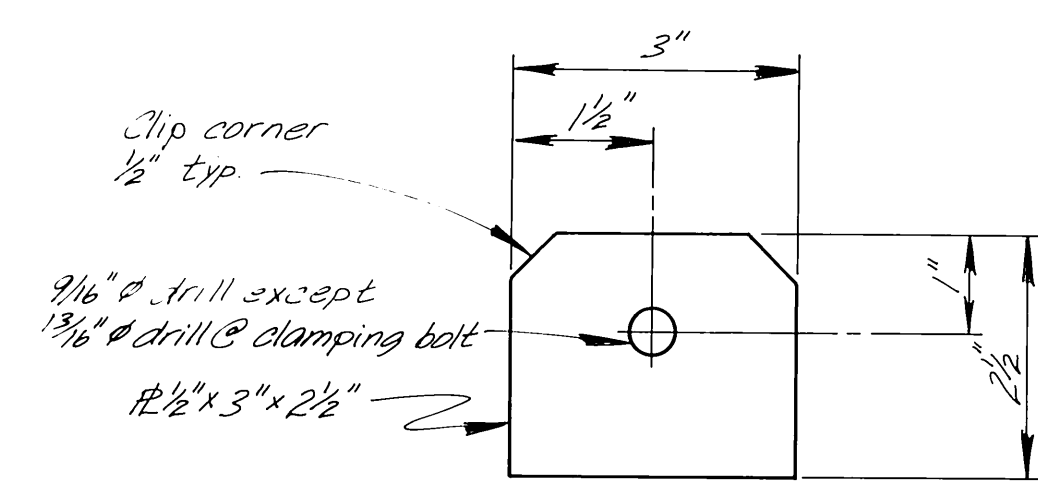
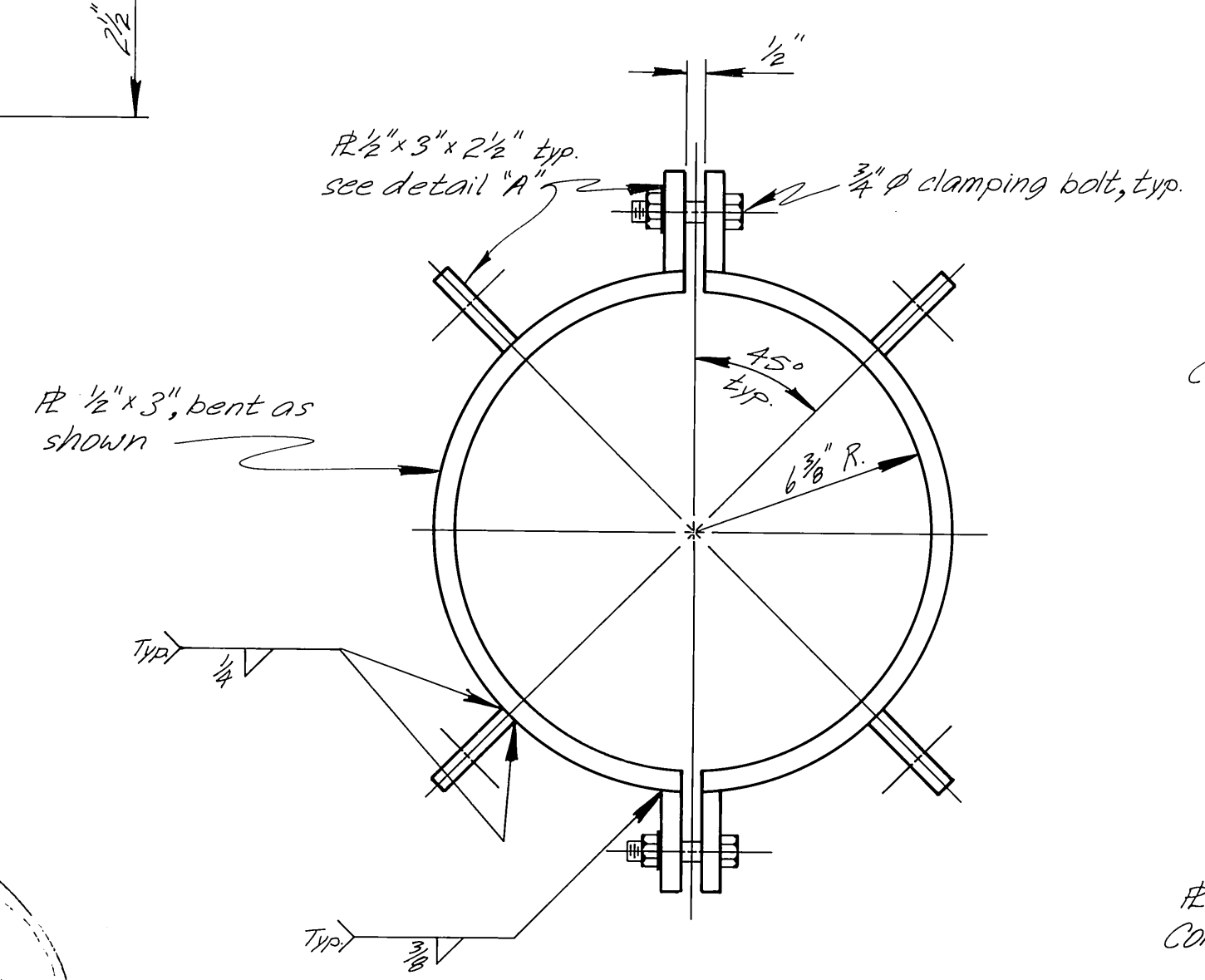
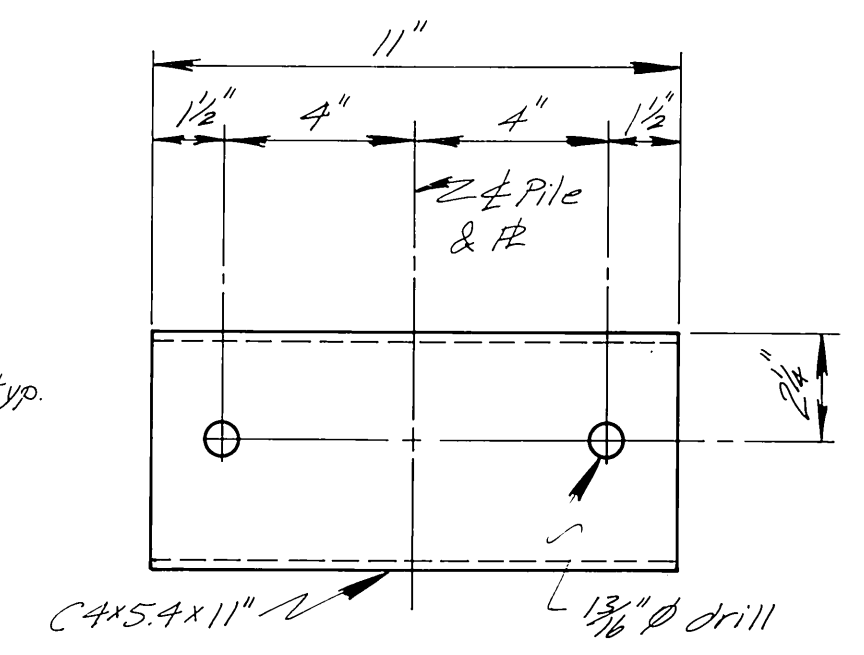




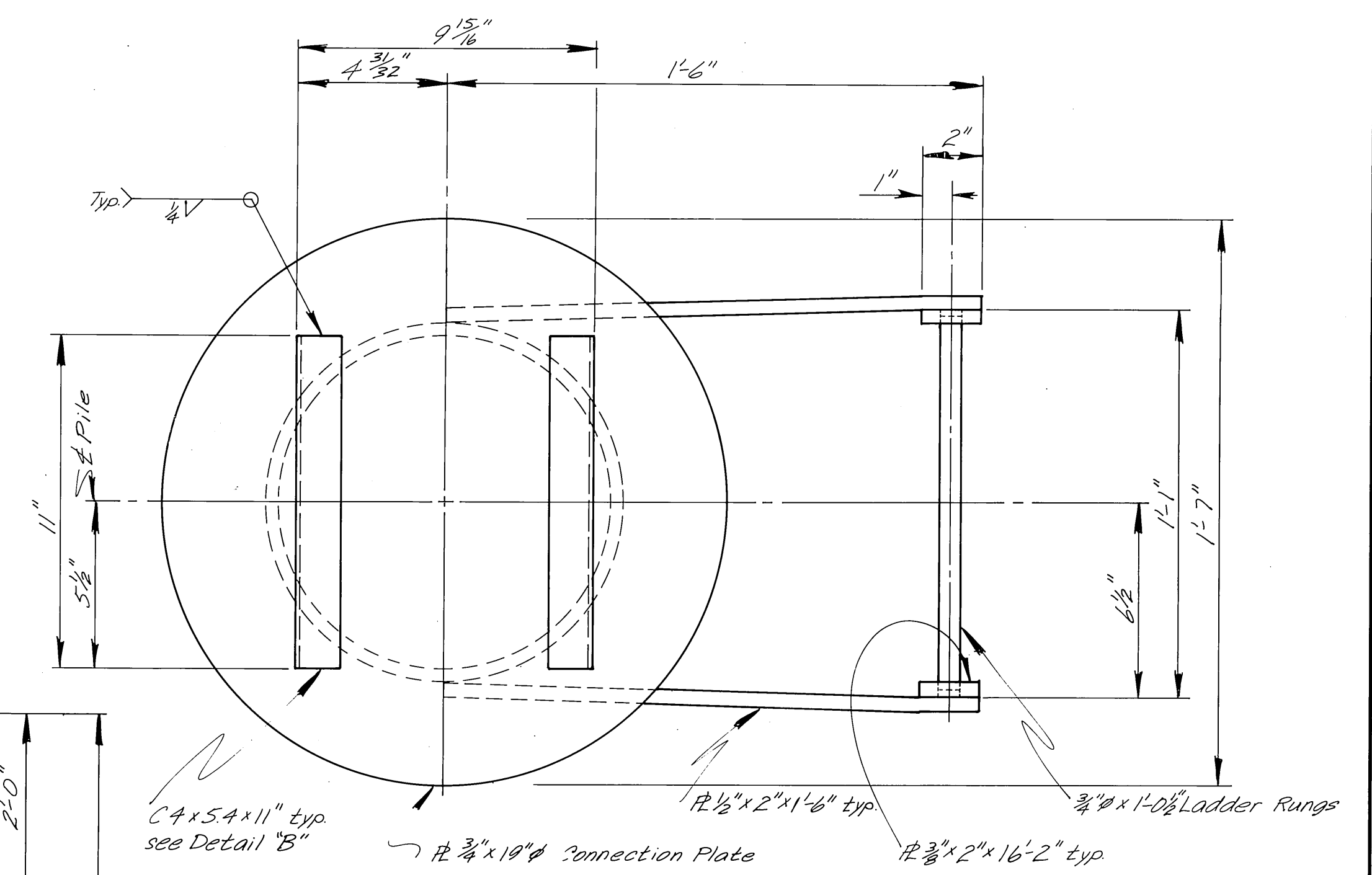
DETAIL "A"
6"=1'-0"



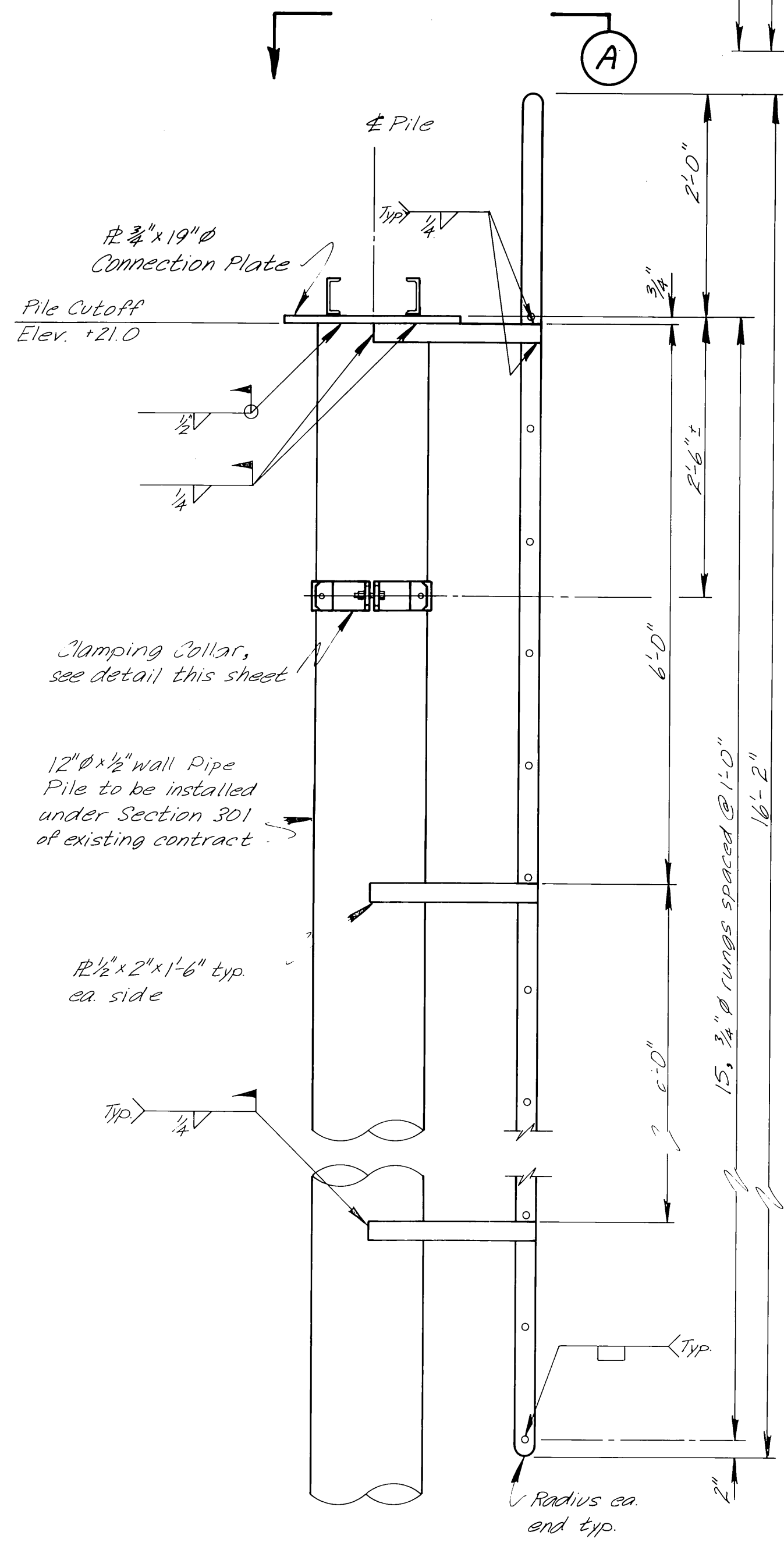
CLAMPING COLLAR
3"=1'-0"



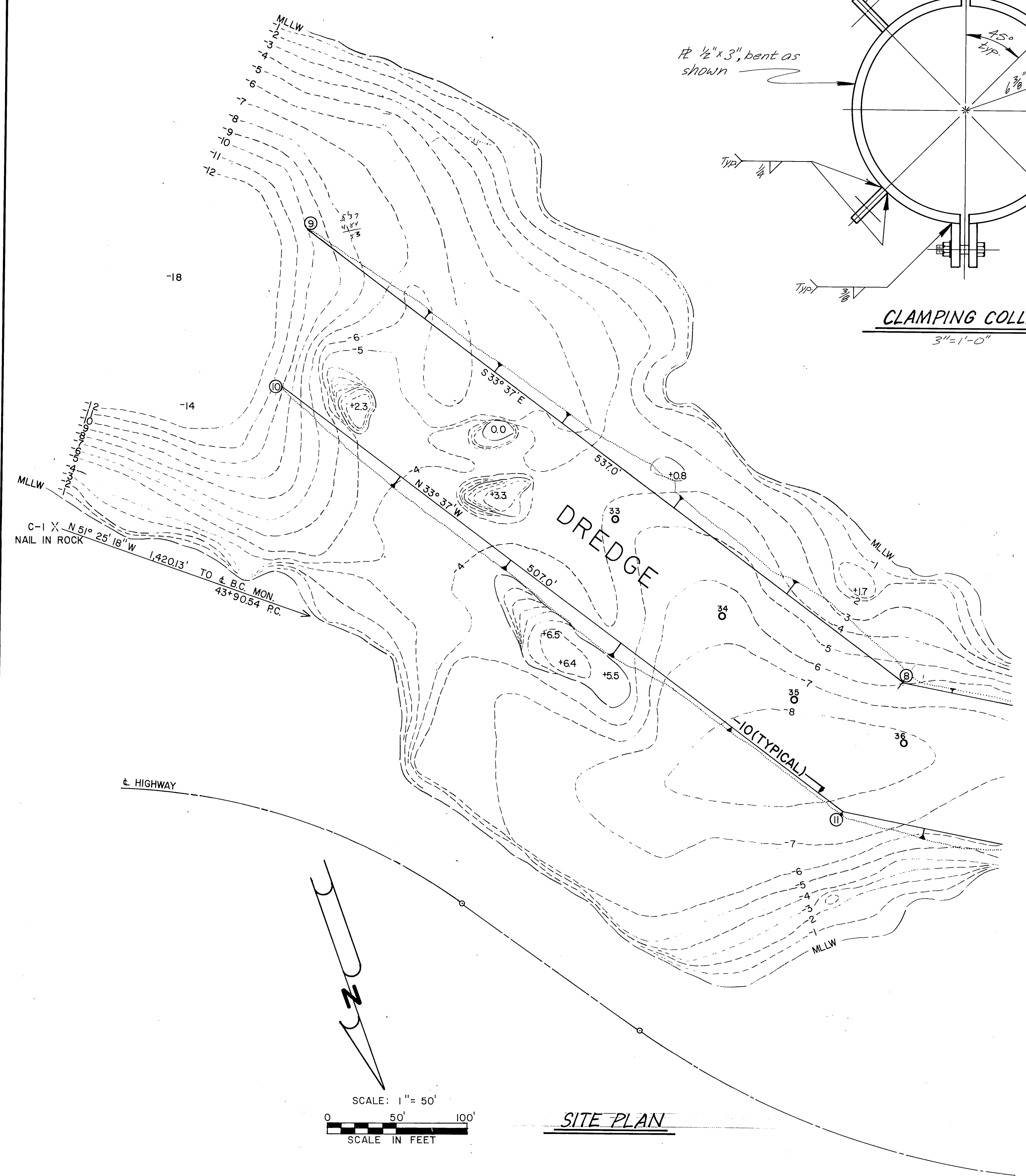
DETAIL "B"
3"=1'-0"



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



PLATFORM ELEVATION
1"=1'-0"



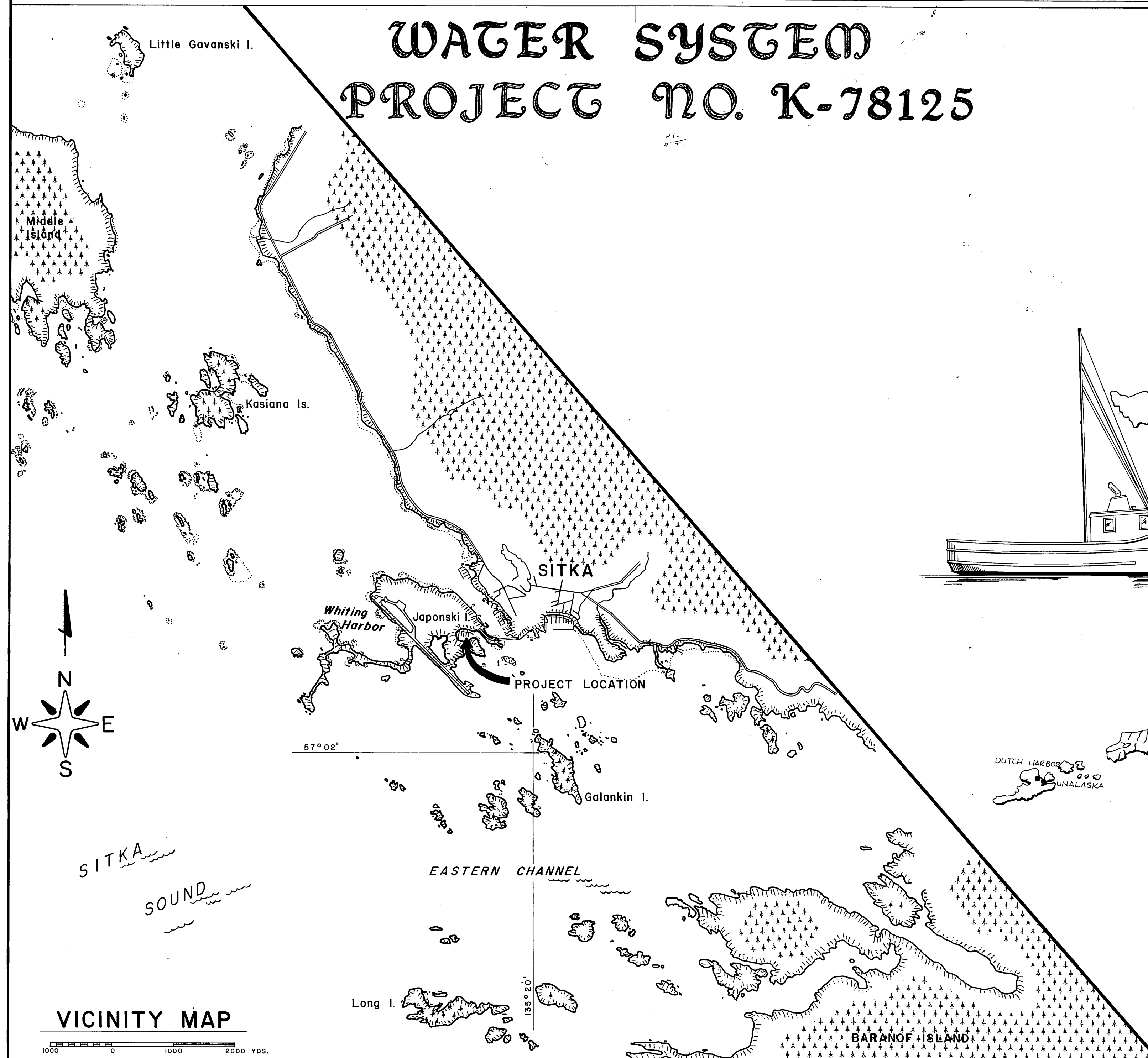
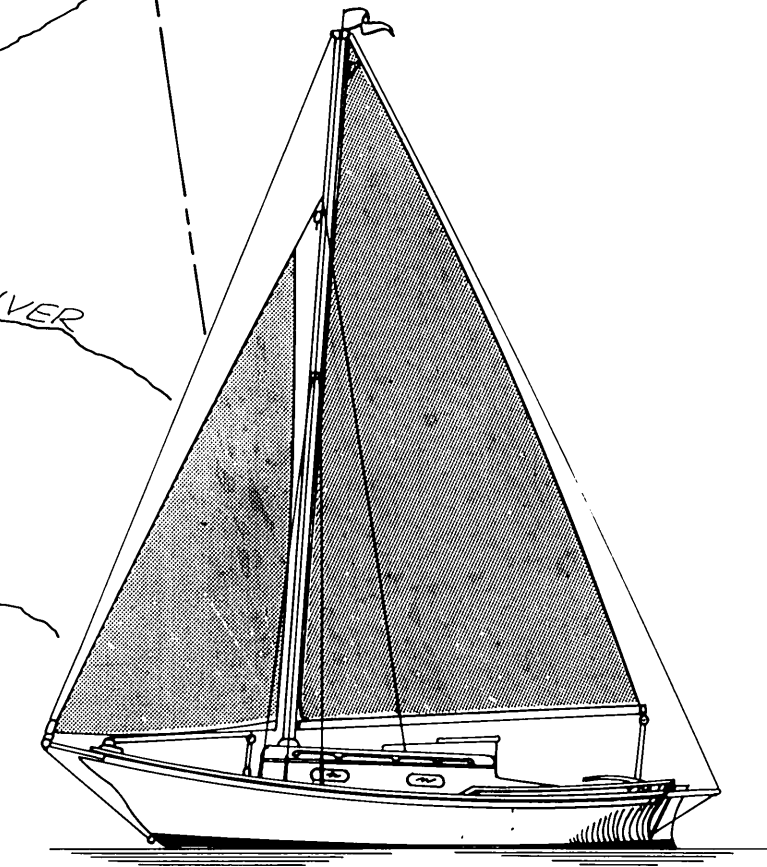
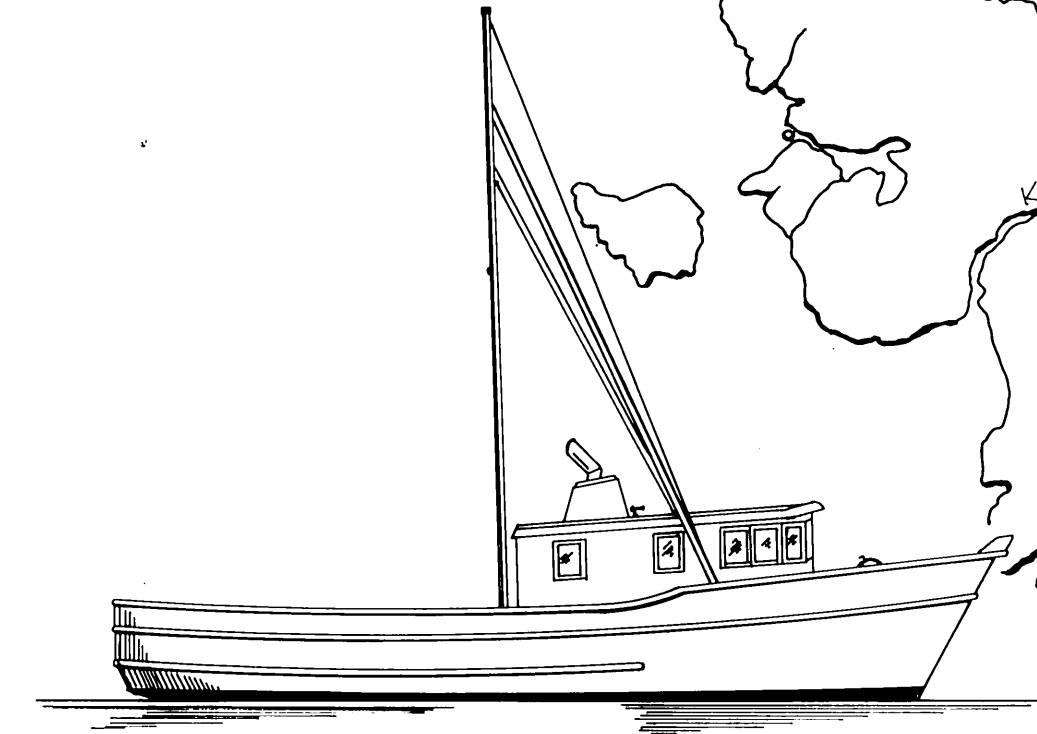
SCALE: 1"= 50'
0 50' 100'
SCALE IN FEET

SITE PLAN

- Notes:**
1. Navigation Aid Platform shall be installed at locations 8, 9 and 10 at harbor entrance channel. See Site Plan this sheet.
 2. Access ladders shall be installed 90° to the dredged harbor entrance channel.
 3. All steel to be galvanized A36

STAMP		DO NOT SCALE THIS DRAWING USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION	
		Sitka Alaska	
		NAVIGATION AID PLATFORM Proposed Change Order	
SCALE As Noted	SURVEYED	DESIGNED	APPROVED
CHECKED	DRAWN L.B.	DATE 10/1/83	
PROJECT NUMBER K-78125		SHEET 1 OF 1	

WATER SYSTEM
PROJECT NO. K-78125



VICINITY MAP

STATE
OF
ALASKA

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

ARCTIC OCEAN

NORTON
SOUND

BRISTOL BAY

GULF OF ALASKA

PROJECT	LOCATION
---------	----------

—WORK SUMMARY—

This project consists of constructing a water system at the existing Sitka Japanski Harbor.

INDEX TO SHEETS

[illegible]

APPROVED

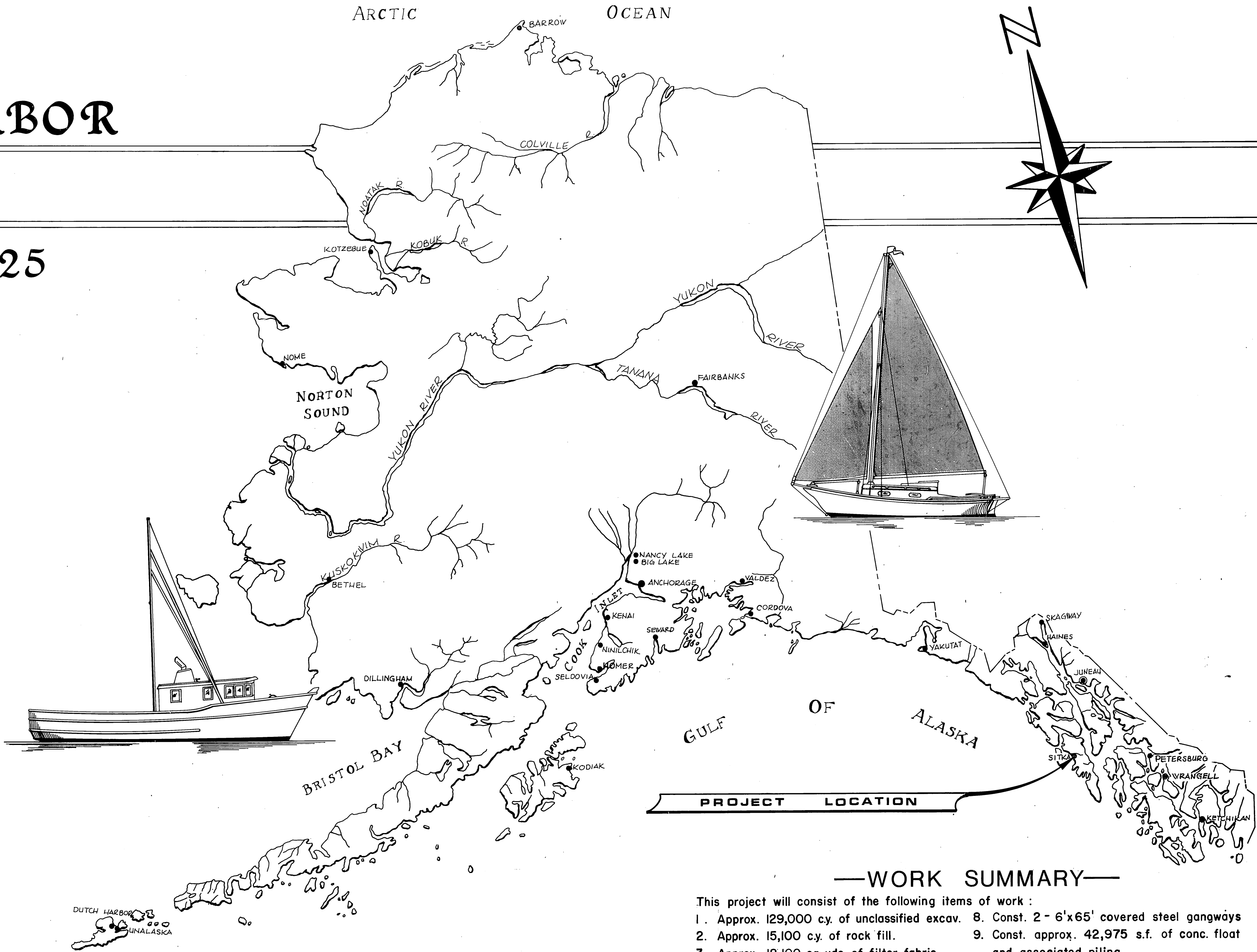
[Signature] 4/18/84
DIRECTOR S.E. D.B.C. DA

RECOMMEND
FOR APPROVAL Steve Bradford 4/18/84
GROUP DESIGN CHIEF

SHEET **1** OF **3**

SITKA JAPONSKI HARBOR

PROJECT NO. K-78125



—WORK SUMMARY—

- This project will consist of the following items of work :
- | | |
|---|--|
| 1. Approx. 129,000 cy. of unclassified excav. | 8. Const. 2 - 6'x65' covered steel gangways |
| 2. Approx. 15,100 cy. of rock fill. | 9. Const. approx. 42,975 s.f. of conc. float and associated piling |
| 3. Approx. 18,100 sq. yds. of filter fabric | 10. Const. a 16'x150' conc. launching ramp and 6'x220' timber sectional float. |
| 4. Approx. 2,130 cy. of rock slope protection | 11. Construct water system |
| 5. Construct storm sewer system | 12. Construct electrical system |
| 6. Remove & dispose of exist. trestle | |
| 7. Const. approx. 1,280 s.f. of conc. aproch. | |

INDEX TO SHEETS

1. TITLE SHEET	18. TYPICAL STALL FLOAT DETAILS
2. DREDGING DETAILS	20. STALL FLOAT WELDMENT DETS.
3. DRAINAGE & CONST. DETAILS	21. LAUNCH RAMP DETAILS
5. FLOAT PROJECT LAYOUT	22. 6' SECTIONAL FLOAT
6. PROBE LOC. & FLT. LAYOUT	23. WATER SYSTEM LAYOUT
7. APPROACH LAYOUT	24. WATER SYS. DET. SHTS. A, B & C
8. APPROACH DET. SHTS. A & B	27. PILE SOCKET DETAILS
10. GANGWAY SHTS. A & B	28. UPLAND ELEC. DEVELOP. PLAN
12. FLOAT LAYOUTS A - H	29. LIGHTING PLAN SHTS. A & B
14. HVY. DUTY FLOAT UNITS	31. POWER PLAN SHTS. A & B
15. TYP. FLOAT UNITS	33. ELECTRICAL DET. SHTS. A & B
16. FLOAT CONNECTION DETAILS	35. CABLE CROSSING RELOCATION
17. MISC. FLOAT DETAILS	36. WASTE OIL STATION

STATE
OF
ALASKA

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

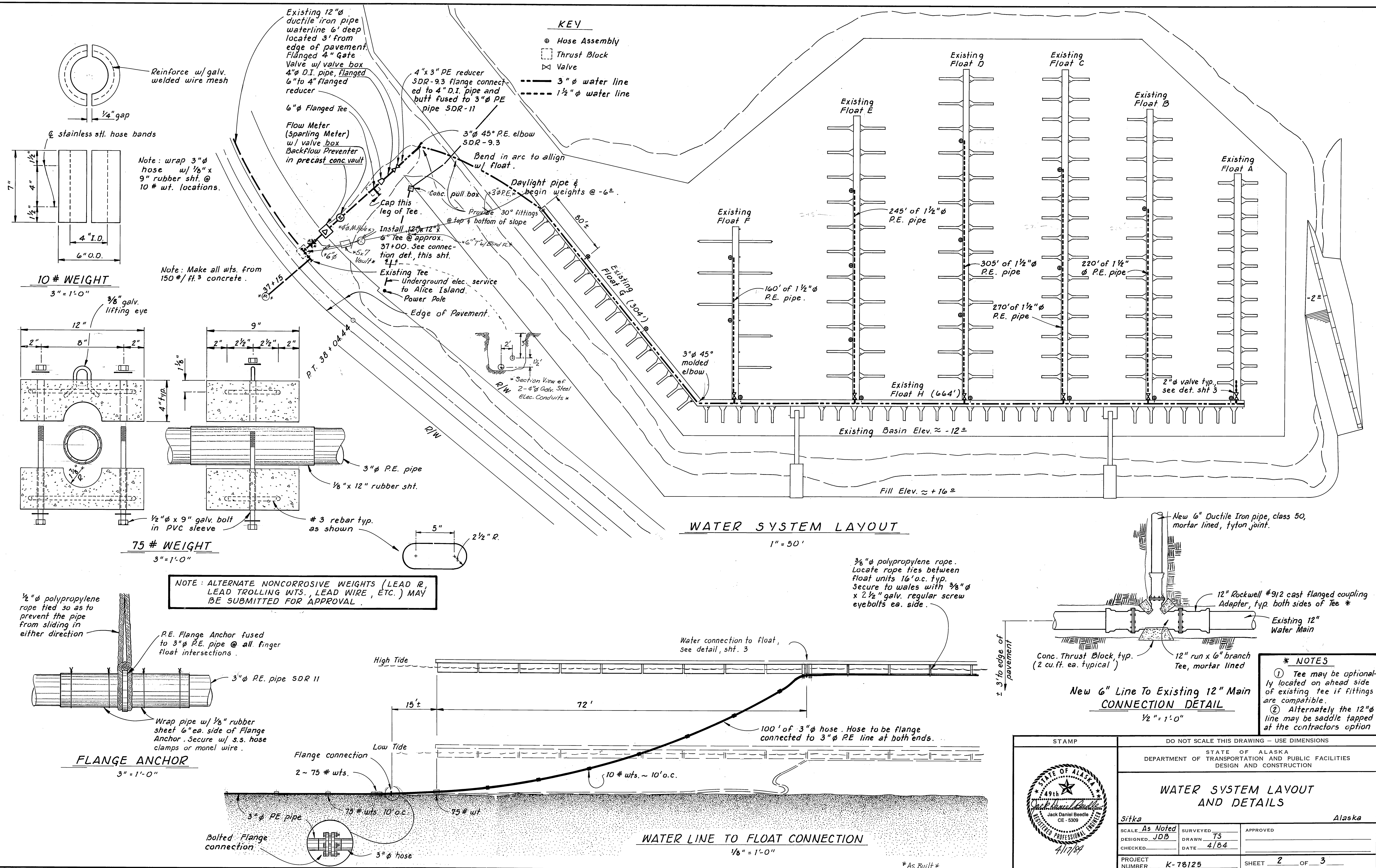
AS BUILT 4-10-85

APPROVED

Robert M. M. Jr. 15 DEC 82
DIRECTOR S.E. D. & C. DATE

RECOMMEND FOR APPROVAL *Harold M. M. Jr.* 12/15/82
CHIEF S.E. HARBOR D. & C. DATE

SHEET 1 OF 36



PROBE DATA

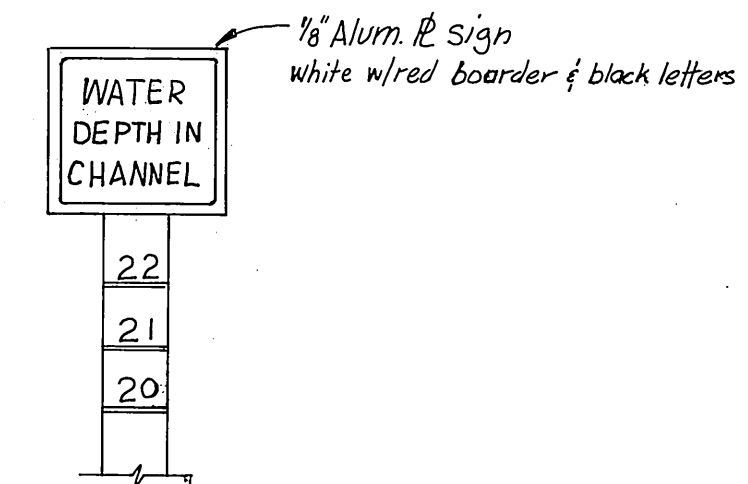
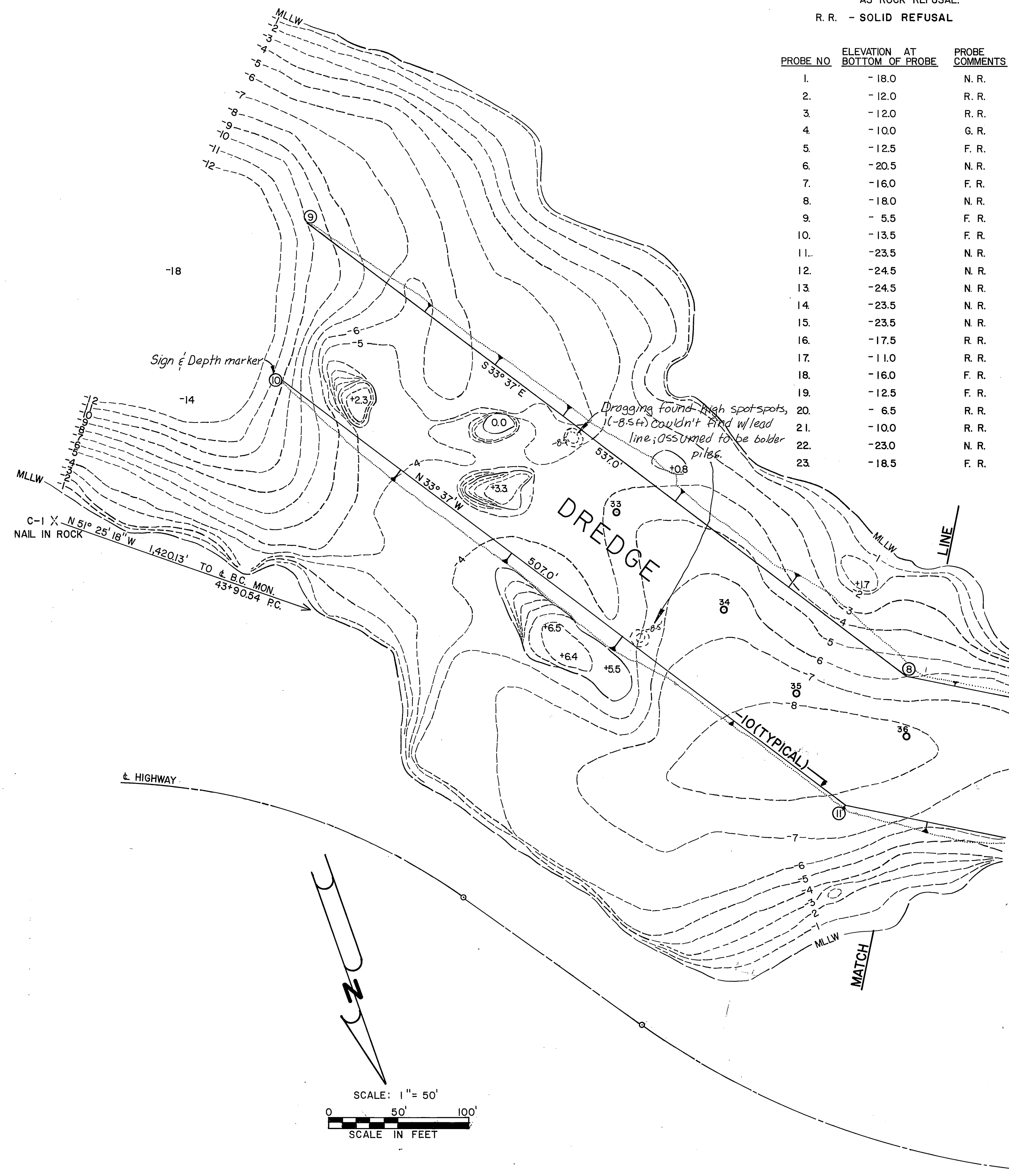
1. PROBE LOCATIONS AND NUMBERS ARE SHOWN ON SHEETS 2 AND 3.
2. PROBINGS WERE TAKEN WITH A WATER-JET TYPE PROBE WHICH CONSISTED OF A 20ft. LENGTH OF 3/4in. GALVANIZED PIPE

CONNECTED BY HOSE TO A 100GPM PUMP. THE PROBE WAS NOT DRIVEN, BUT WAS ALLOWED TO PENETRATE UNDER ITS OWN WEIGHT.

3. EXPLANATION OF PROBE COMMENTS:

N. R. - NO REFUSAL AT LIMITS OF PROBE.
 F. R. - FRICTION REFUSAL.
 G. R. - GRAVEL AT REFUSAL. NOT AS SOLID A REFUSAL AS ROCK REFUSAL.
 R. R. - SOLID REFUSAL

PROBE NO	ELEVATION AT BOTTOM OF PROBE	PROBE COMMENTS	PROBE NO	ELEVATION AT BOTTOM OF PROBE	PROBE COMMENTS	PROBE NO	ELEVATION AT BOTTOM OF PROBE	PROBE COMMENTS
1.	-18.0	N. R.	24.	-12.0	R. R.	47.	-11.8	R. R.
2.	-12.0	R. R.	25.	-9.0	F. R.	48.	-20.0	N. R.
3.	-12.0	R. R.	26.	-22.5	N. R.	49.	-20.0	N. R.
4.	-10.0	G. R.	27.	-19.5	F. R.	50.	-18.5	N. R.
5.	-12.5	F. R.	28.	-22.0	N. R.	51.	-7.4	R. R.
6.	-20.5	N. R.	29.	-19.0	F. R.	52.	-9.9	R. R.
7.	-16.0	F. R.	30.	-21.0	N. R.	53.	-11.7	F. R.
8.	-18.0	N. R.	31.	-20.5	N. R.	54.	-12.8	F. R.
9.	-5.5	F. R.	32.	-8.0	F. R.	55.	-11.7	G. R.
10.	-13.5	F. R.	33.	-9.5	G. R.	56.	-4.5	R. R.
11.	-23.5	N. R.	34.	-12.5	G. R.	57.	-8.2	R. R.
12.	-24.5	N. R.	35.	-9.0	G. R.	58.	-1.2	R. R.
13.	-24.5	N. R.	36.	-9.0	G. R.	59.	-10.6	F. R.
14.	-23.5	N. R.	37.	-9.0	G. R.	60.	-13.0	G. R.
15.	-23.5	N. R.	38.	-15.0	R. R.	61.	0.0	R. R.
16.	-17.5	R. R.	39.	-15.5	F. R.	62.	-17.0	N. R.
17.	-11.0	R. R.	40.	-8.0	G. R.	63.	-1.0	R. R.
18.	-16.0	F. R.	41.	-9.5	R. R.	64.	-8.0	G. R.
19.	-12.5	F. R.	42.	-8.0	G. R.	65.	-13.4	N. R.
20.	-6.5	R. R.	43.	-4.5	R. R.			
21.	-10.0	R. R.	44.	-3.5	G. R.			
22.	-23.0	N. R.	45.	+2.0	R. R.			
23.	-18.5	F. R.	46.	-20.1	N. R.			

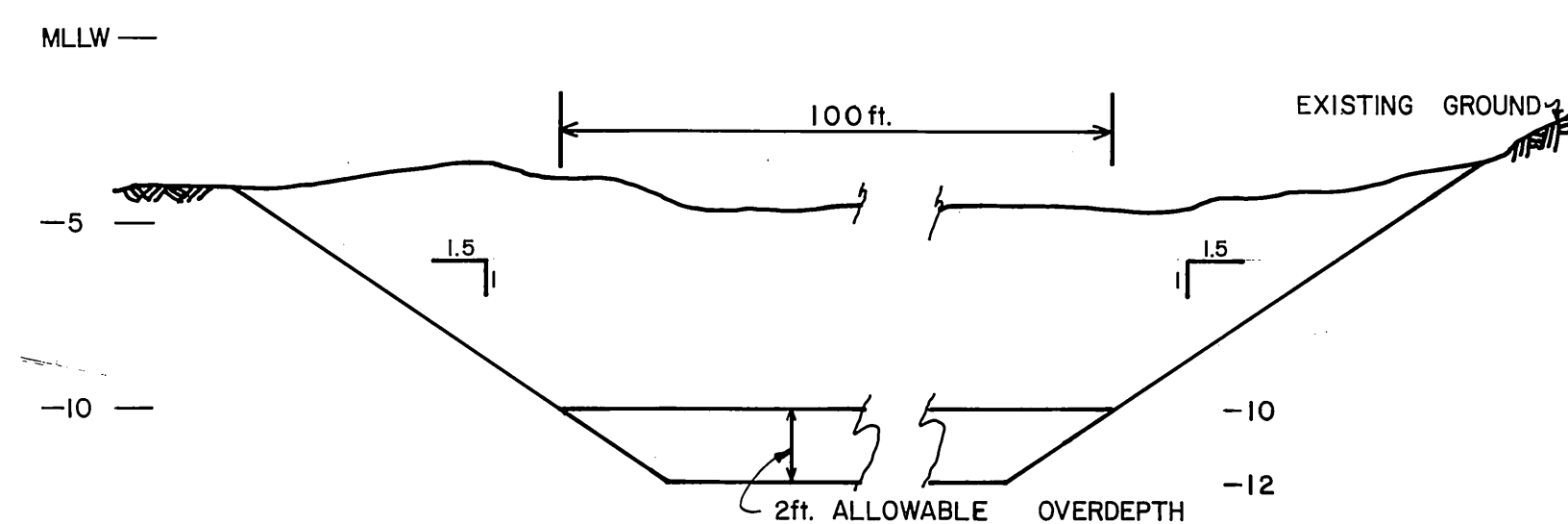


LEGEND for sheets 2-3

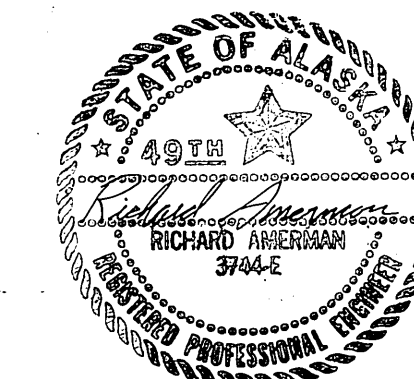
- MEAN LOWER LOW WATER
- CONTOUR LINE
- TREES & UNDERGROWTH
- UTILITY POLE
- PROBE
- TOE OF SLOPE AT -10 MLLW
- CUT SLOPE-ENTRANCE CHANNEL & MOORING BASIN
- FILL SLOPE
- EXISTING STORMDRAIN
- NEW STORMDRAIN & FIELD INLET

TIDAL DATA

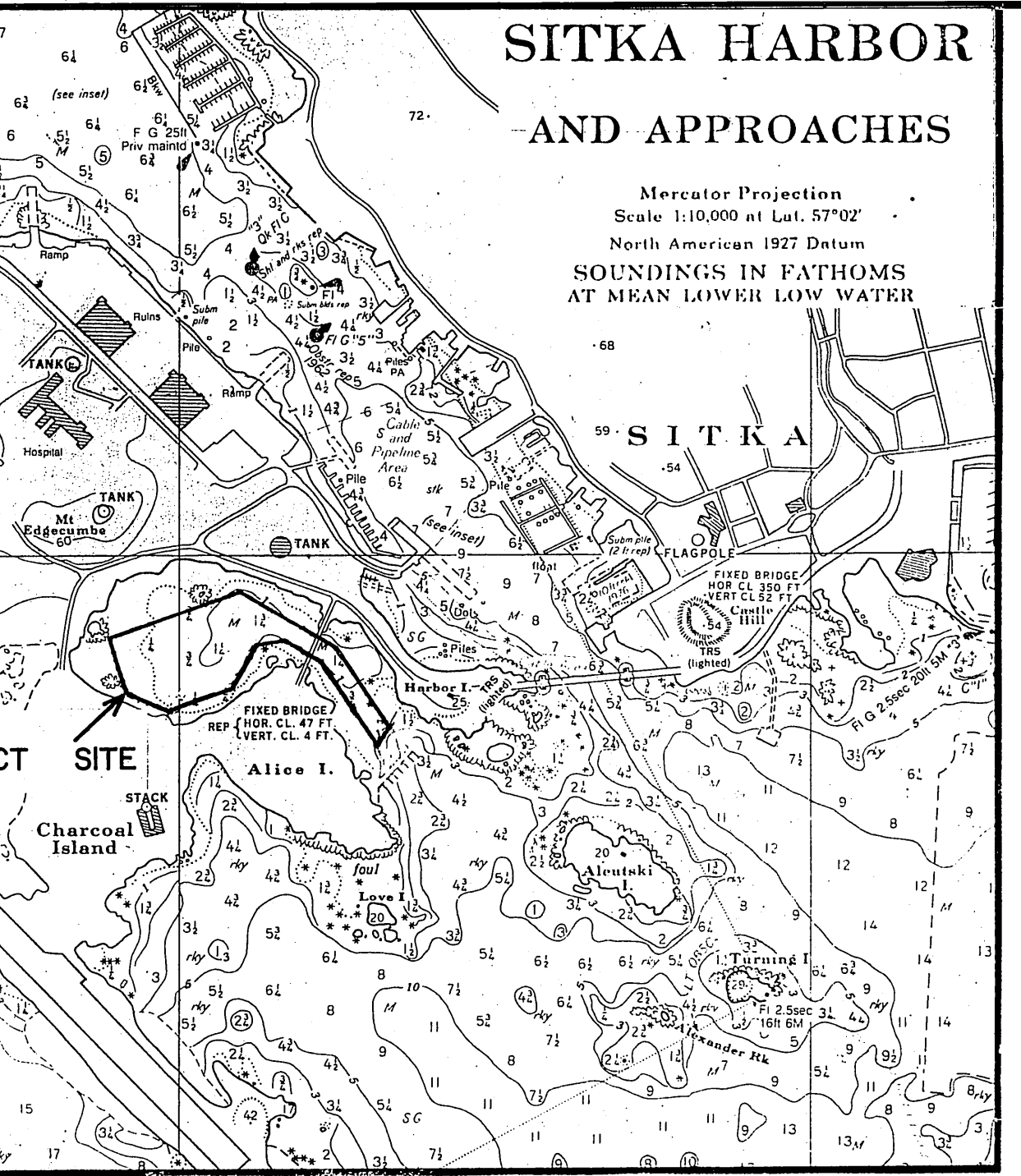
EXTREME HIGH WATER (11-2-1949)	14.4 ft.
MEAN HIGHER HIGH WATER	9.9 ft.
MEAN HIGH WATER	9.1 ft.
MEAN TIDE LEVEL	5.3 ft.
MEAN LOWER LOW WATER (MLLW)	0.0 ft.
EXTREME LOW WATER (6-15-51)	-4.0 ft.



ENTRANCE CHANNEL - TYPICAL SECTION



CONSTRUCTION ENGINEERING SERVICES
SITKA, ALASKA



VICINITY MAP

From U.S.C. & G.S. chart no. 17327

SCALE: 1" = 50'

SCALE IN FEET

DO NOT SCALE THIS DRAWING USE DIMENSIONS

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

SITKA BOAT HARBOR,
SITKA, ALASKA
ENTRANCE CHANNEL DREDGING DET'S.

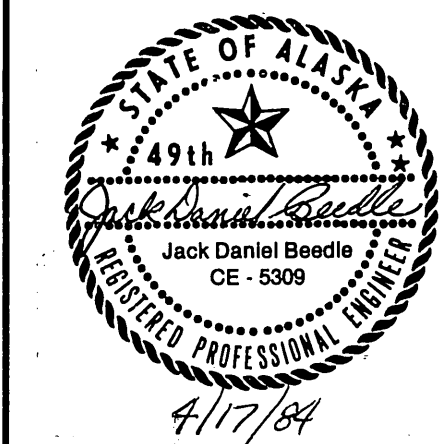
SCALE: AS NOTED
DESIGNED: R. AMERMAN
CHECKED:

SURVEYED: R. AMERMAN
DRAWN: R. AMERMAN
DATE: JUNE, 1982

APPROVED
Robert P. Beck
James A. Lowell

PROJECT NUMBER K 78125

SHEET 2 OF 4



COORDINATES OF TOE POINTS FOR ENTRANCE
CHANNEL & MOORING BASIN:

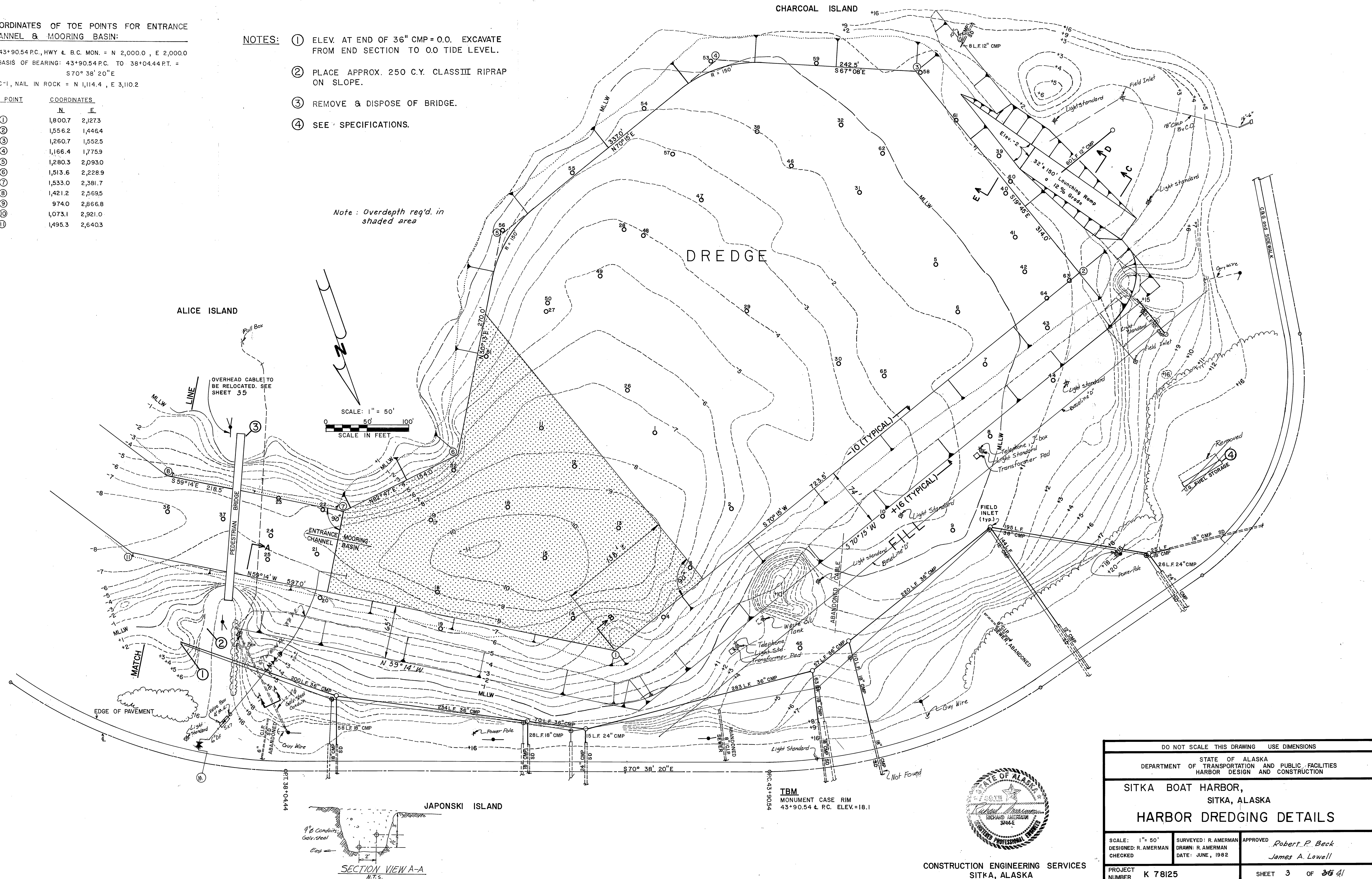
43+90.54 P.C. HWY & B.C. MON. = N 2,000.0, E 2,000.0
BASIS OF BEARING: 43+90.54 P.C. TO 38+04.44 P.T. =
S 70° 38' 20" E
C-1, NAIL IN ROCK = N 1,114.4, E 3,110.2

<u>TOE POINT</u>	<u>COORDINATES</u>	
	<u>N</u>	<u>E</u>
①	1,800.7	2,127.3
②	1,556.2	1,446.4
③	1,260.7	1,552.5
④	1,166.4	1,775.9
⑤	1,280.3	2,093.0
⑥	1,513.6	2,228.9
⑦	1,533.0	2,381.7
⑧	1,421.2	2,569.5
⑨	974.0	2,866.8
⑩	1,073.1	2,921.0
⑪	1,495.3	2,640.3

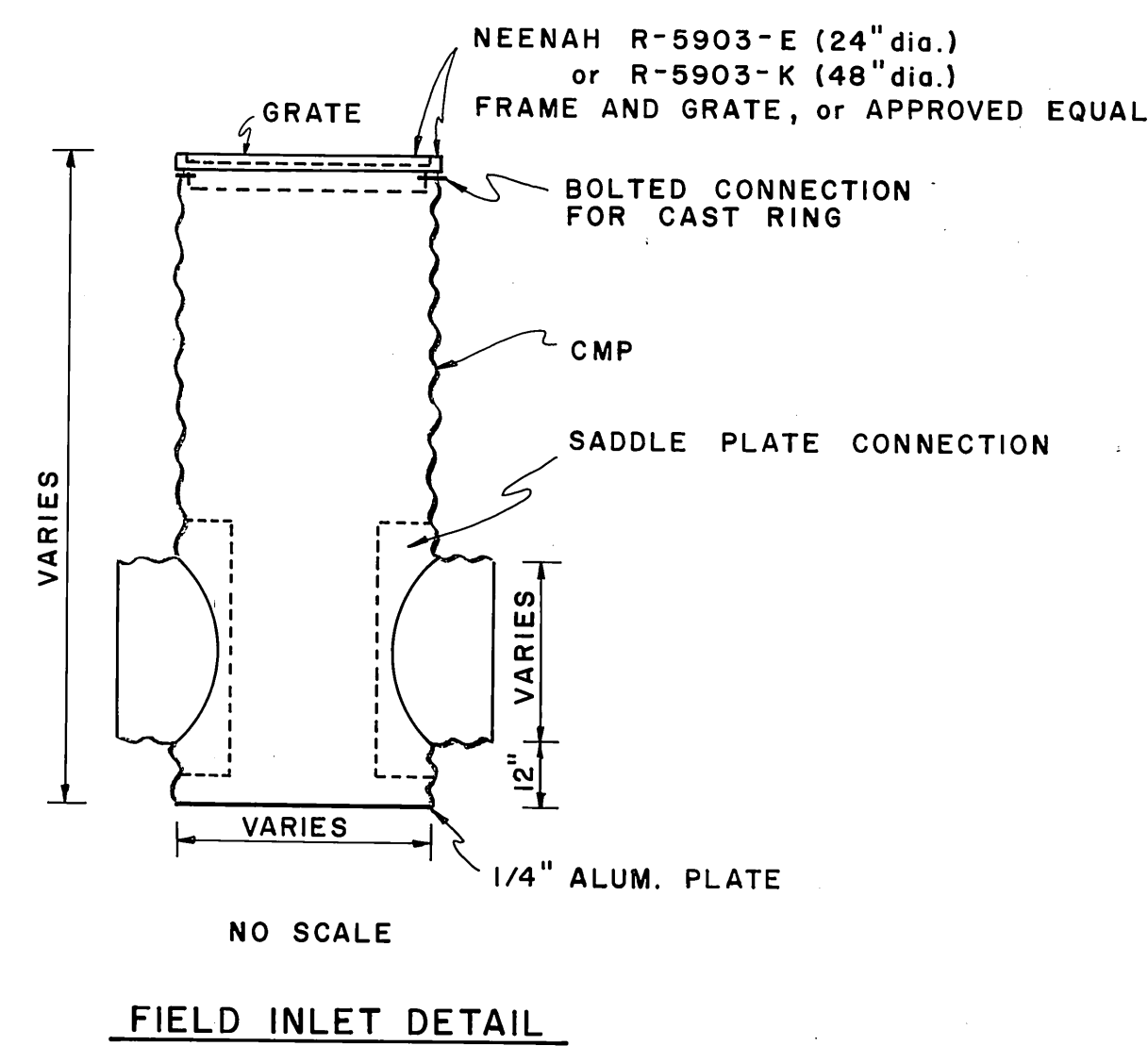
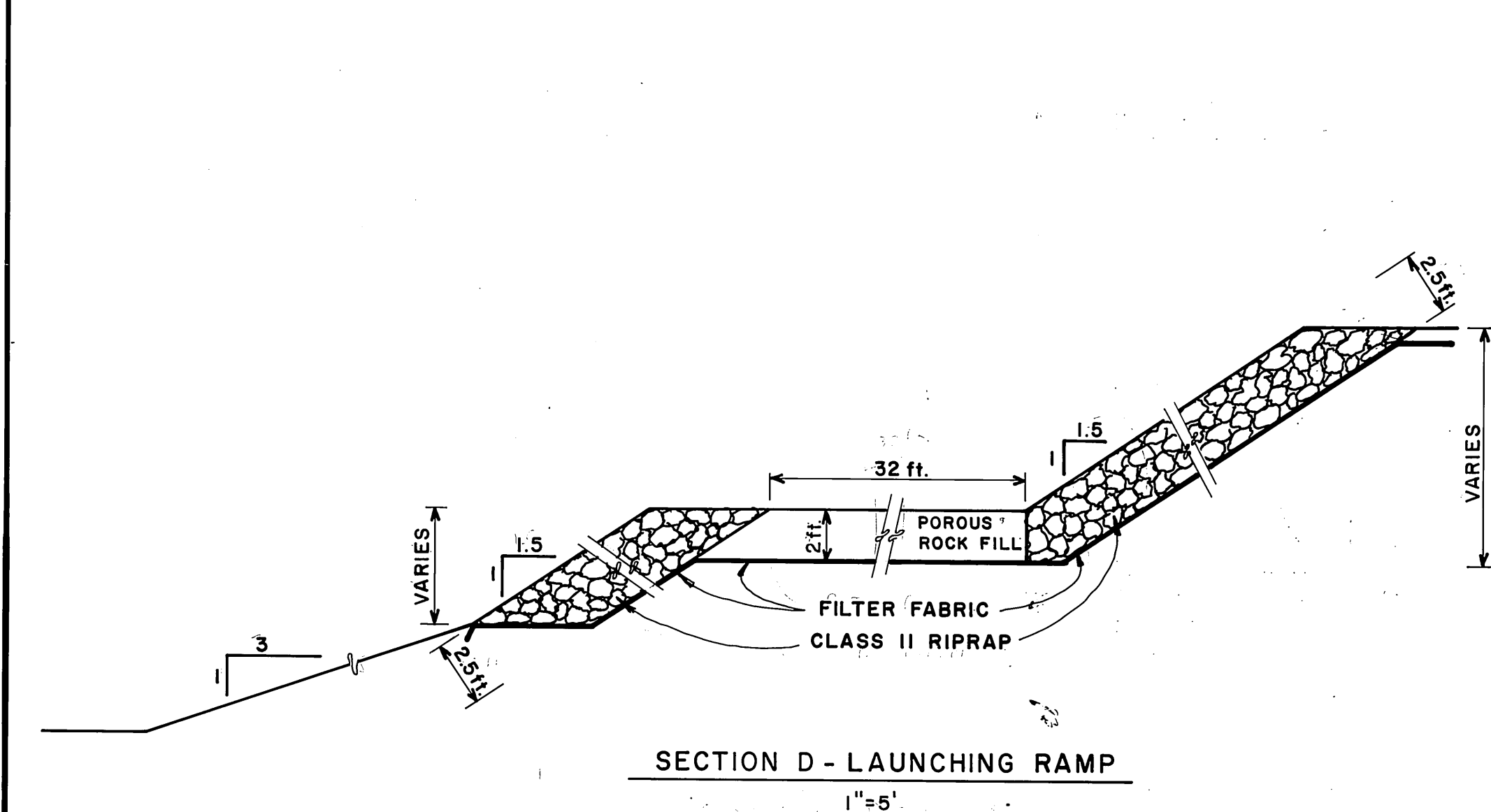
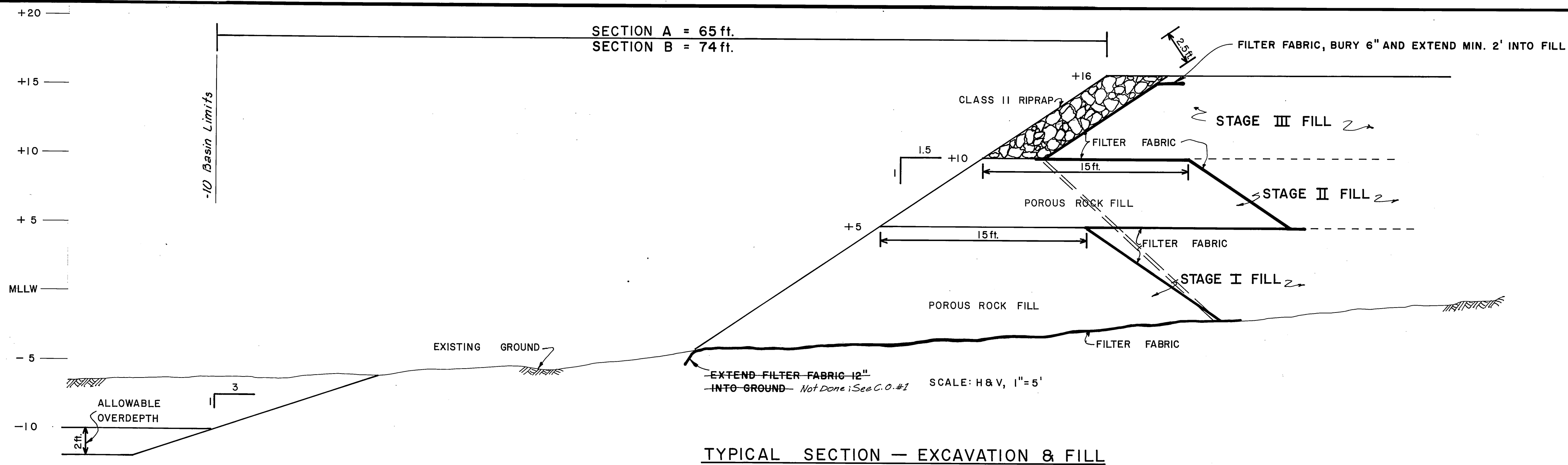
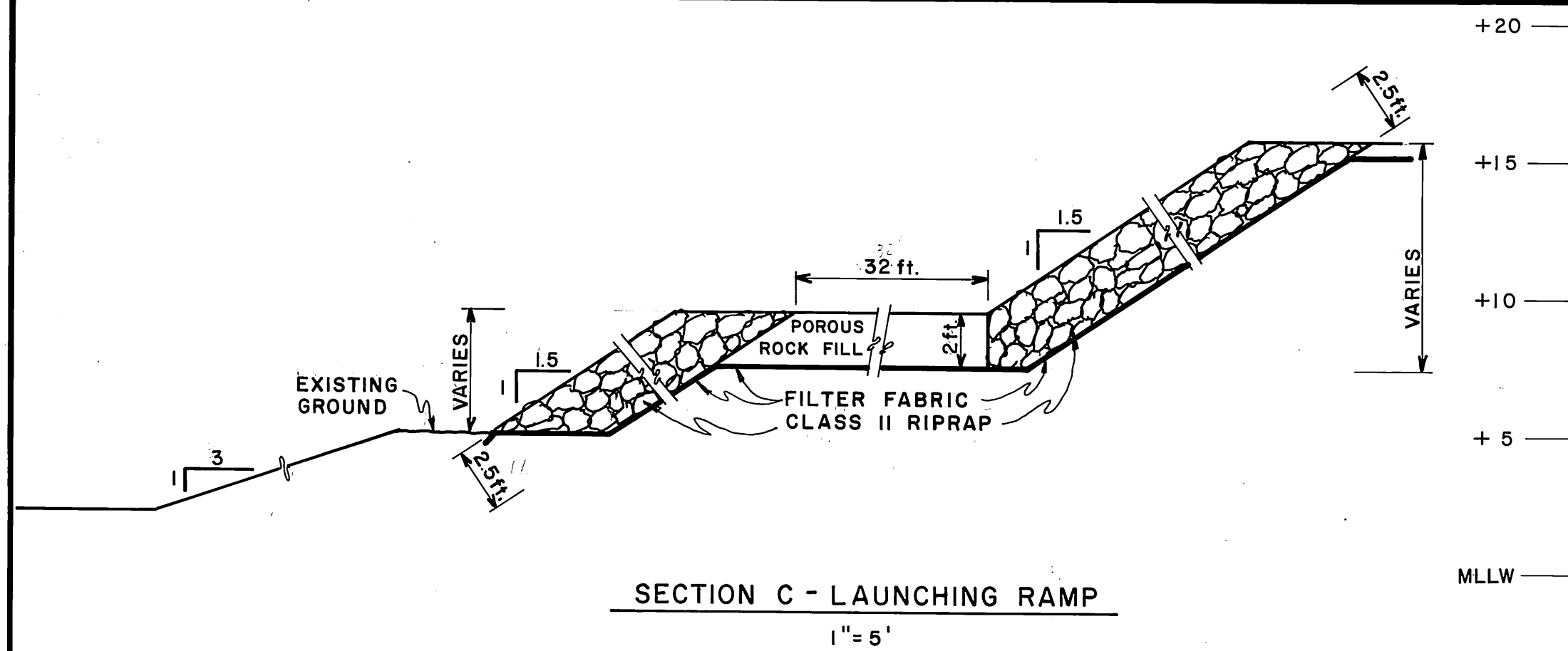
- NOTES:
- ① ELEV. AT END OF 36" CMP = 0.0. EXCAVATE FROM END SECTION TO 0.0 TIDE LEVEL.
 - ② PLACE APPROX. 250 C.Y. CLASS III RIPRAP ON SLOPE.
 - ③ REMOVE & DISPOSE OF BRIDGE.
 - ④ SEE SPECIFICATIONS.

Note: Overdepth req'd. in shaded area

SCALE: 1" = 50'
SCALE IN FEET

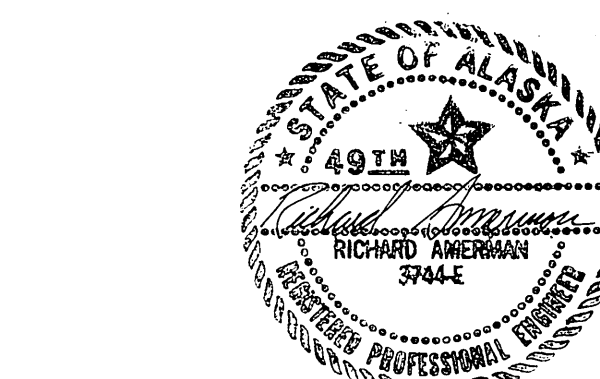
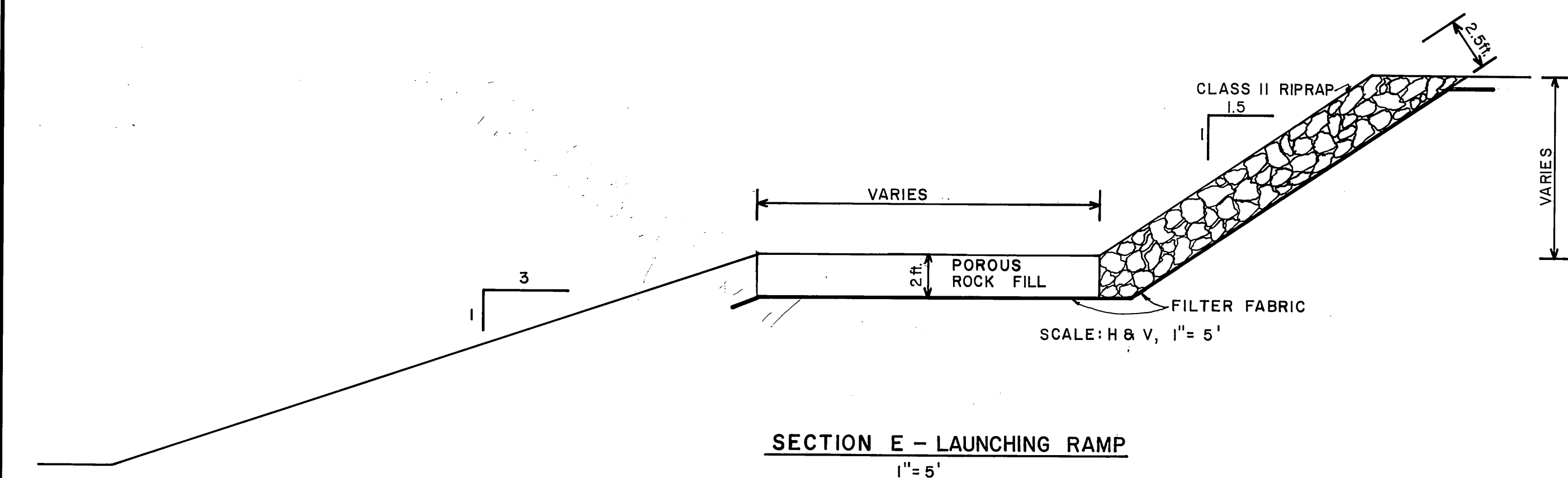
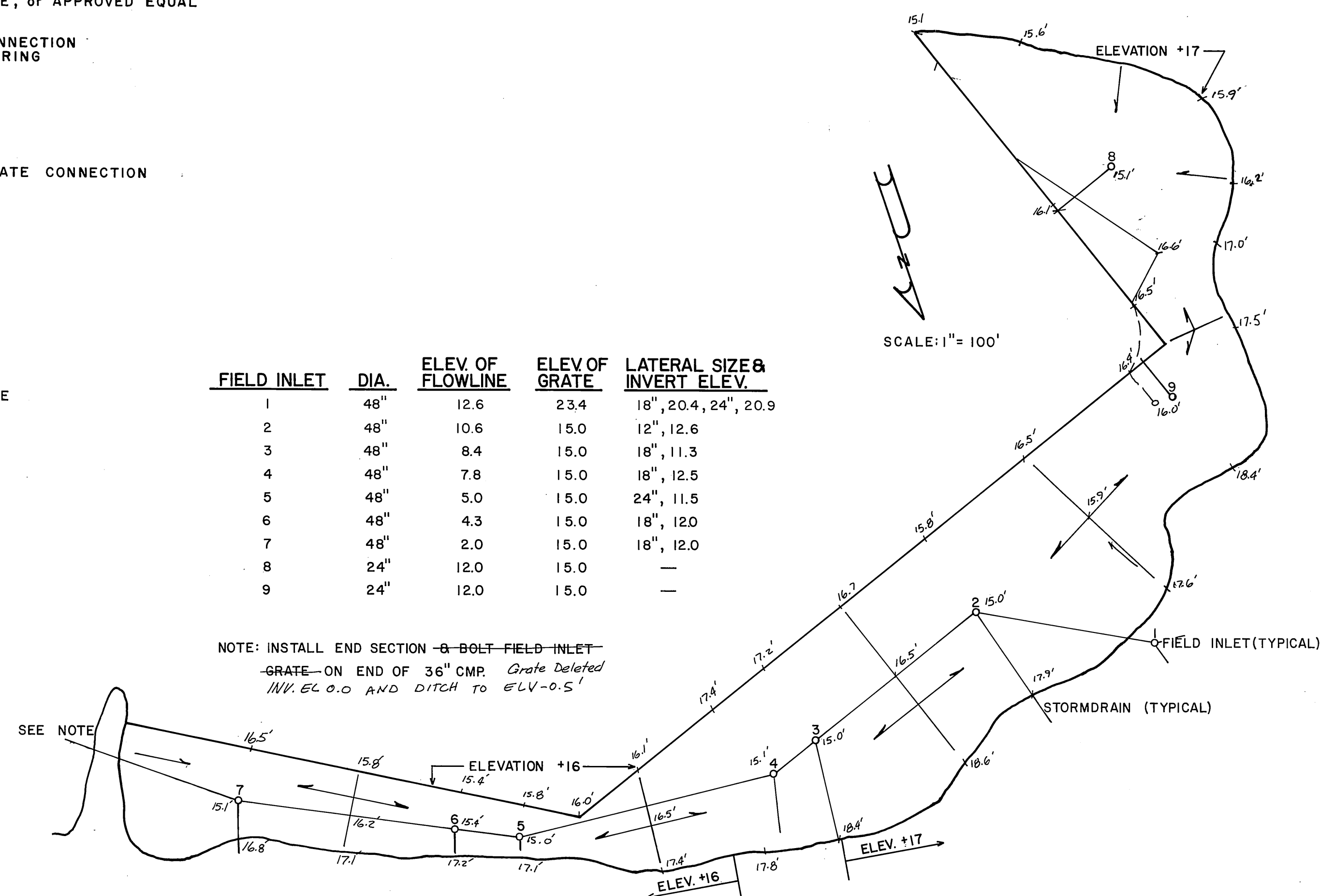


DO NOT SCALE THIS DRAWING USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION		
SITKA BOAT HARBOR, SITKA, ALASKA HARBOR DREDGING DETAILS		
SCALE: 1" = 50' DESIGNED: R. AMERICAN CHECKED:	SURVEYED: R. AMERICAN DRAWN: R. AMERICAN DATE: JUNE, 1982	APPROVED: Robert P. Beck James A. Lowell
PROJECT NUMBER K 78125		SHEET 3 OF 3



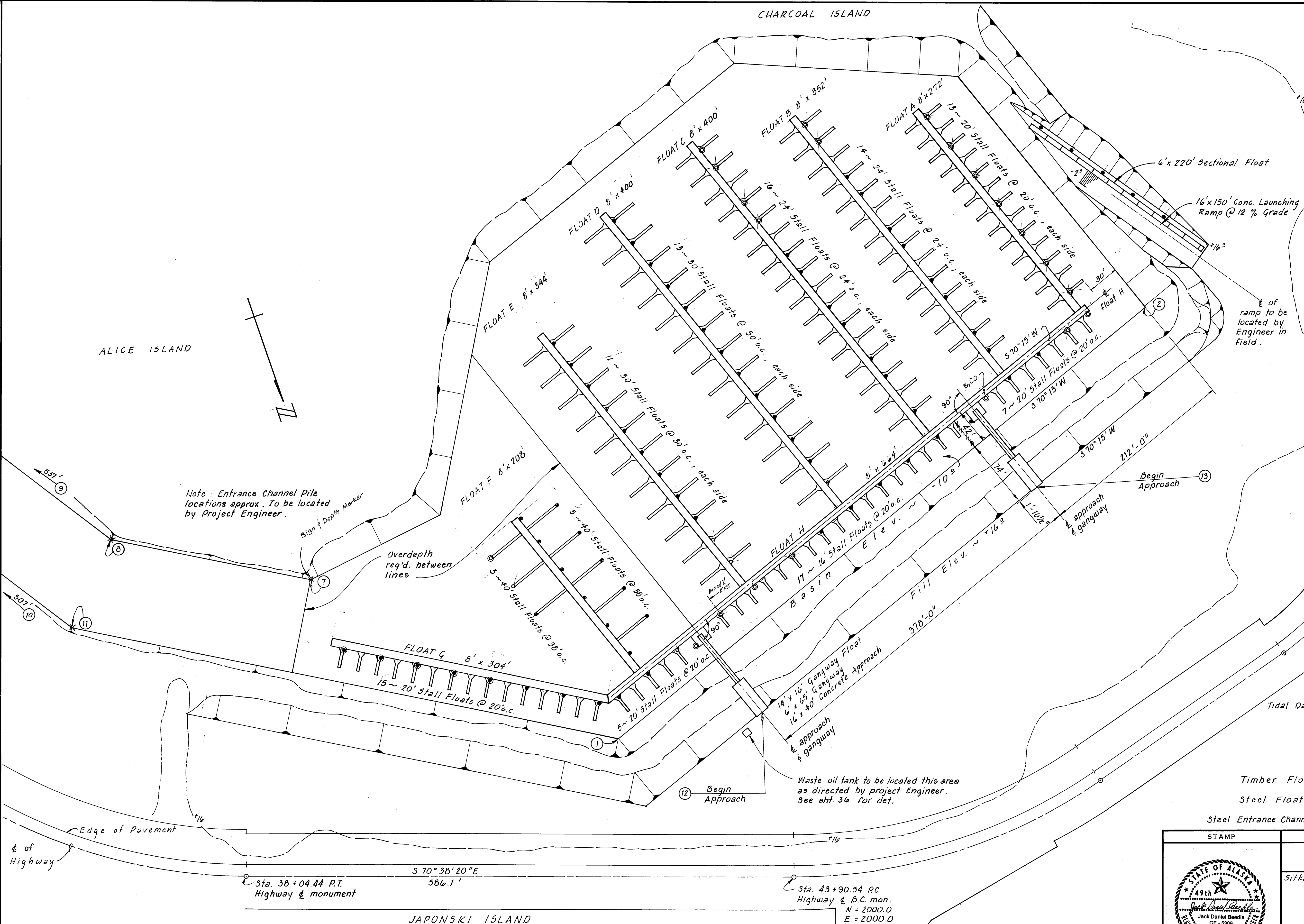
FIELD INLET	DIA.	ELEV. OF FLOWLINE	ELEV. OF GRATE	LATERAL SIZE & INVERT ELEV.
1	48"	12.6	23.4	18", 20.4, 24", 20.9
2	48"	10.6	15.0	12", 12.6
3	48"	8.4	15.0	18", 11.3
4	48"	7.8	15.0	18", 12.5
5	48"	5.0	15.0	24", 11.5
6	48"	4.3	15.0	18", 12.0
7	48"	2.0	15.0	18", 12.0
8	24"	12.0	15.0	—
9	24"	12.0	15.0	—

NOTE: INSTALL END SECTION - 8 BOLT FIELD INLET -
GRATE - ON END OF 36" CMP. Grate Deleted
INV. EL 0.0 AND DITCH TO ELEV. -0.5'



CONSTRUCTION ENGINEERING SERVICES
SITKA, ALASKA

DO NOT SCALE THIS DRAWING USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION		
SITKA BOAT HARBOR, SITKA, ALASKA		
DRAINAGE & CONSTRUCTION DETAILS		
SCALE: AS NOTED DESIGNED: R. AMERMAN CHECKED:	SURVEYED: R. AMERMAN DRAWN: R. AMERMAN DATE: JUNE, 1982	APPROVED Robert P. Beck James A. Lowell
PROJECT NUMBER K 78125		SHEET 4 OF 36



GENERAL NOTES

1. FLOAT PILES & ENTRANCE CHANNEL PILES

- A. Cutoff elevation, +26'
- B. Design penetration 15'
- C. Desired tip elevation, -25'
- D. Pile length to include 2' of cutoff waste.
- E. Pile size
 - a. Timber - 26" min. tip circumference
 - b. Steel - 12 3/4" ϕ x 3/8" wall
- F. Treatment per specs.
- G. See sh. 27 for socketing details

2. APPROACH DESIGN CRITERIA

- A. Per 1981 AASHTO Std. Specs. for Highway Bridges
- B. H 15 loading
- C. 40' span
- D. 1.3 impact factor
- E. Pile bearing 25 Tons per pile

3. FLOAT DESIGN

Per S.E. Region Harbor Design Standard

Note: Entrance Channel Pile locations approx. To be located by Project Engineer.

Sign & Depth Marker

Overdepth req'd. between lines

Waste oil tank to be located this area as directed by project Engineer. See sh. 36 for det.

Horizontal Control
Hwy & Mon. @ Sta. 43+90.54 P.C. & Sta. 38+04.44 P.T.

Horizontal Control	
Station	Coordinates
12	1627.0
13	1629.3

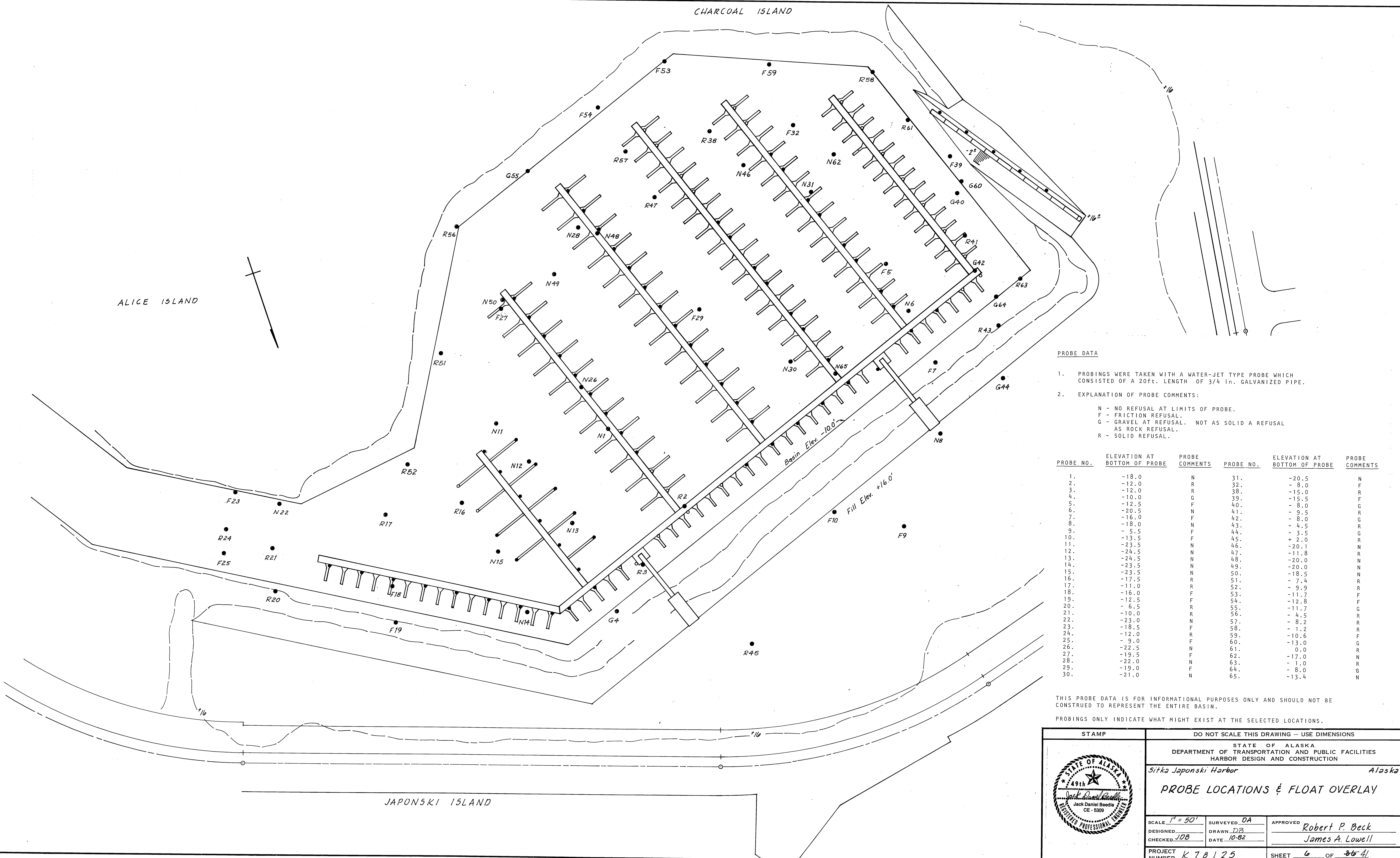
Vertical Control
TBM @ Sta. 43+90.54 & P.C. Elev. = 18.1 Mon. case rim

Tidal Datum:	Extreme High	Mean Higher High	Mean High	Mean Lower Low	Extreme Low
	14.4'	9.9'	9.1'	0.0'	-4.0'

- Timber Float Pile * 72 Total
- Steel Float Pile * 24 Total * 5 total steel piles, used as mooring. Ades.
- Steel Entrance Channel Pile * 5 Total (located @ toe pts. 7, 8, 9, 10, 11 see sh. 2 & 3)



DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION	
Sitka Japonski Harbor Alaska	
FLOAT PROJECT LAYOUT	
SCALE 1" = 50'	SURVEYED DA
DESIGNED JDB	DRAWN JTM
CHECKED JDB	DATE 8-82
PROJECT NUMBER K 78125	APPROVED Robert P. Beck James A. Lowell
	SHEET 5 OF 41



PROBE DATA

1. PROBINGS WERE TAKEN WITH A WATER-JET TYPE PROBE WHICH CONSISTED OF A 20FT. LENGTH OF 3/4 IN. GALVANIZED PIPE.

2. EXPLANATION OF PROBE COMMENTS:

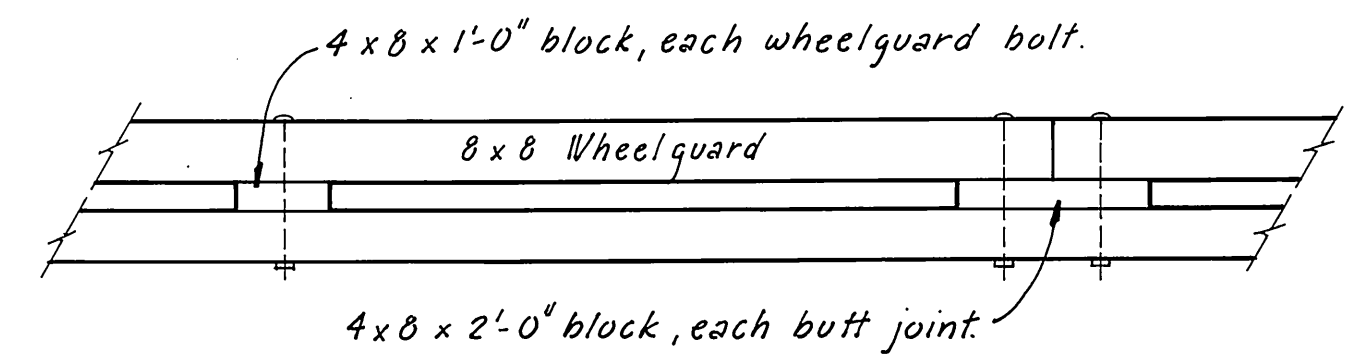
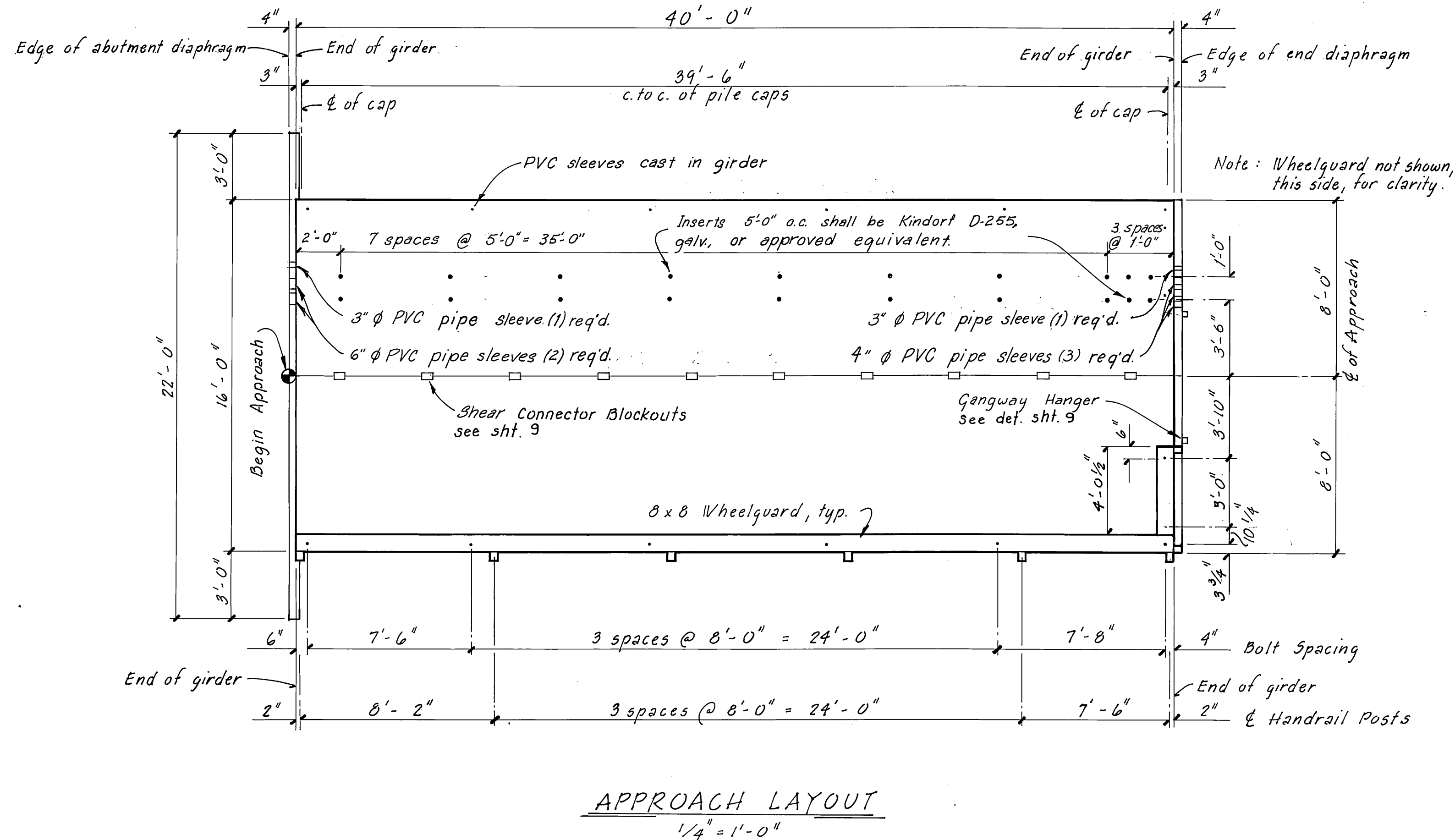
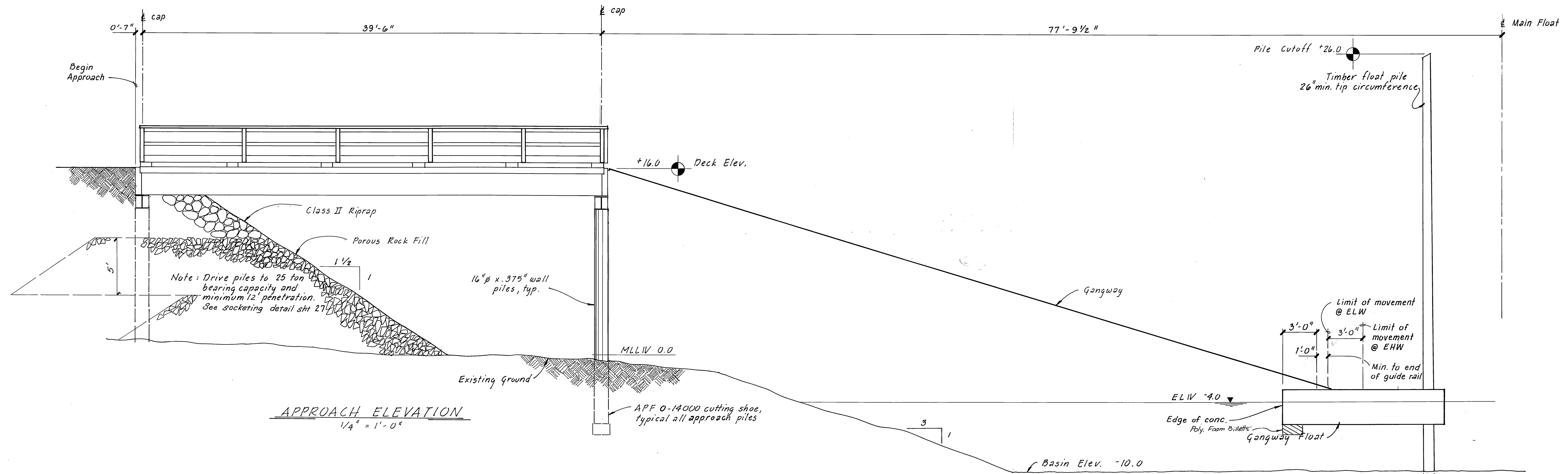
- N - NO REFUSAL AT LIMITS OF PROBE.
- F - FRICTION REFUSAL.
- G - GRAVEL AT REFUSAL. NOT AS SOLID A REFUSAL AS ROCK REFUSAL.
- R - SOLID REFUSAL.

PROBE NO.	ELEVATION AT BOTTOM OF PROBE	PROBE COMMENTS	PROBE NO.	ELEVATION AT BOTTOM OF PROBE	PROBE COMMENTS
1.	-18.0	N	31.	-20.5	N
2.	-12.0	R	32.	-8.0	F
3.	-12.0	R	33.	-15.0	R
4.	-10.0	G	34.	-15.5	F
5.	-12.5	F	35.	-8.0	R
6.	-20.5	N	36.	-9.5	G
7.	-16.0	F	37.	-8.0	R
8.	-18.0	N	38.	-4.5	R
9.	-5.5	F	39.	-3.5	G
10.	-13.5	F	40.	+2.0	R
11.	-23.5	N	41.	-20.1	N
12.	-24.5	N	42.	-11.8	R
13.	-24.5	N	43.	-20.0	N
14.	-23.5	N	44.	-20.0	N
15.	-23.5	N	45.	-18.5	N
16.	-17.5	R	46.	-7.4	R
17.	-11.0	F	47.	-9.9	R
18.	-16.0	F	48.	-11.7	F
19.	-12.5	F	49.	-12.8	G
20.	-6.5	R	50.	-11.7	F
21.	-10.0	R	51.	-4.5	R
22.	-23.0	N	52.	-8.2	R
23.	-18.5	F	53.	-1.2	R
24.	-12.0	R	54.	-10.6	F
25.	-9.0	F	55.	-13.0	G
26.	-22.5	N	56.	0.0	R
27.	-19.5	F	57.	-17.0	N
28.	-22.0	N	58.	-1.0	R
29.	-19.0	F	59.	-8.0	G
30.	-21.0	N	60.	-13.4	N

THIS PROBE DATA IS FOR INFORMATIONAL PURPOSES ONLY AND SHOULD NOT BE CONSTRUED TO REPRESENT THE ENTIRE BASIN.

PROBINGS ONLY INDICATE WHAT MIGHT EXIST AT THE SELECTED LOCATIONS.

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION	
		Sitka Japonski Harbor Alaska	
PROBE LOCATIONS & FLOAT OVERLAY			
SCALE 1" = 50'	SURVEYED DA	APPROVED Robert P. Beck	
DESIGNED JDB	DRAWN DB	James A. Lowell	
CHECKED JDB	DATE 10-82		
PROJECT NUMBER K 78125	SHEET 6 OF 41		

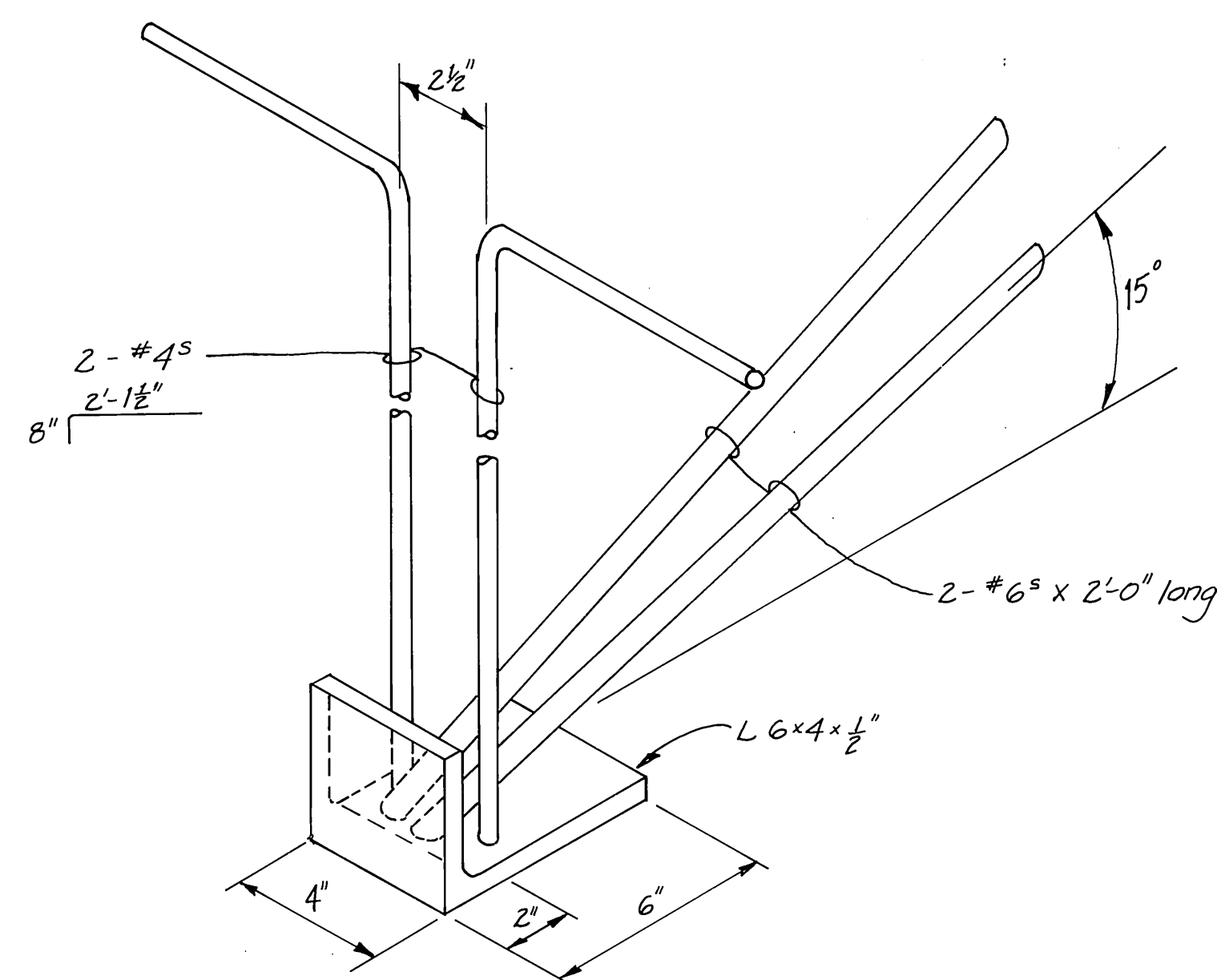
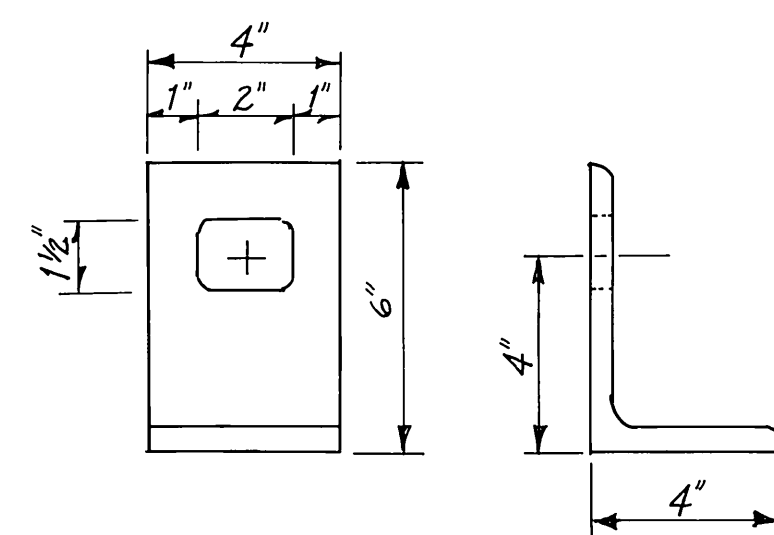
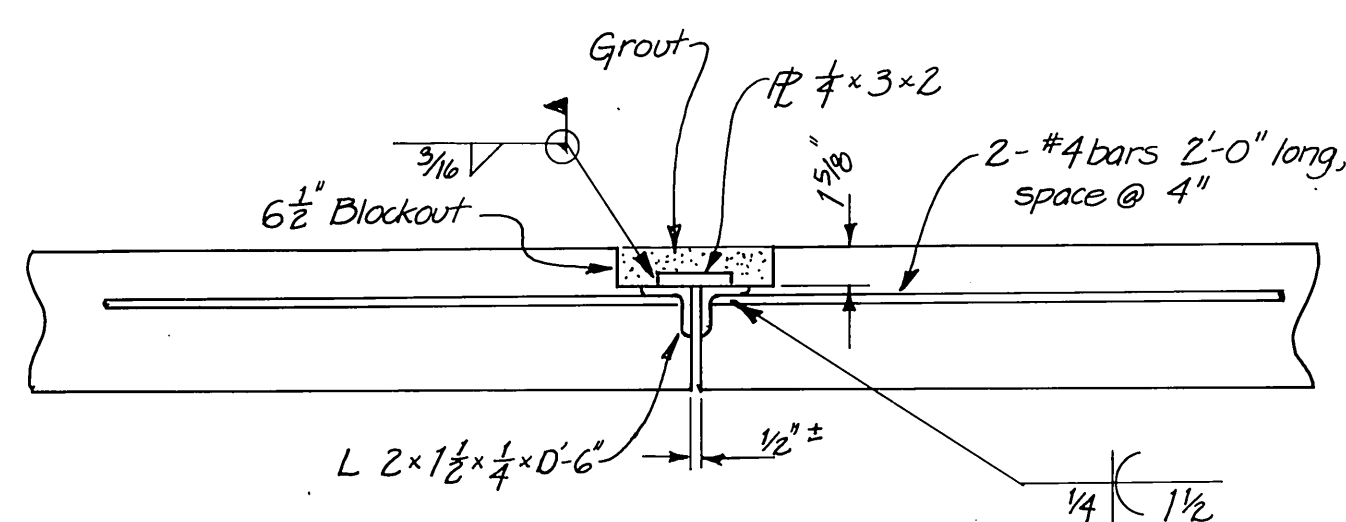
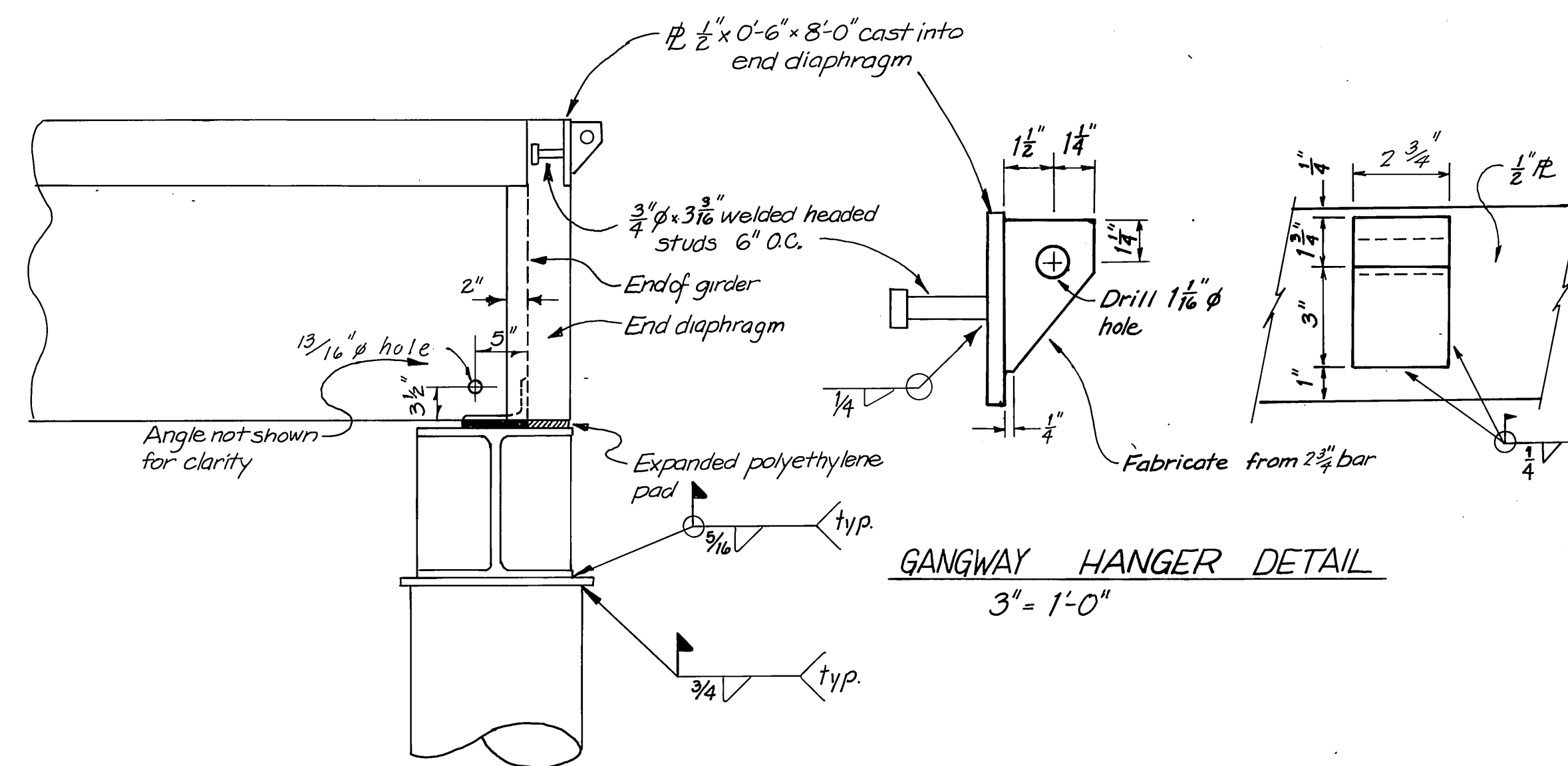
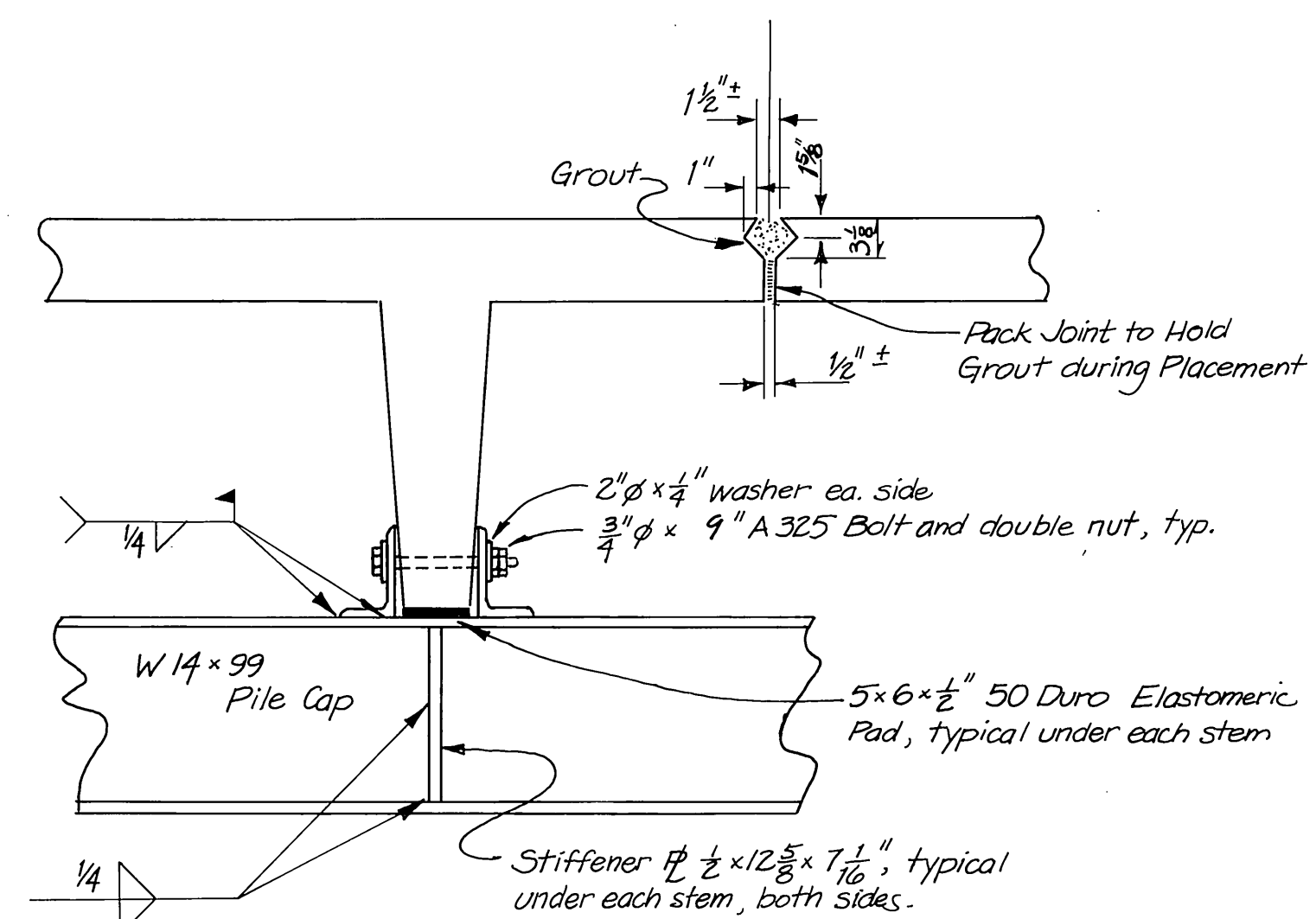
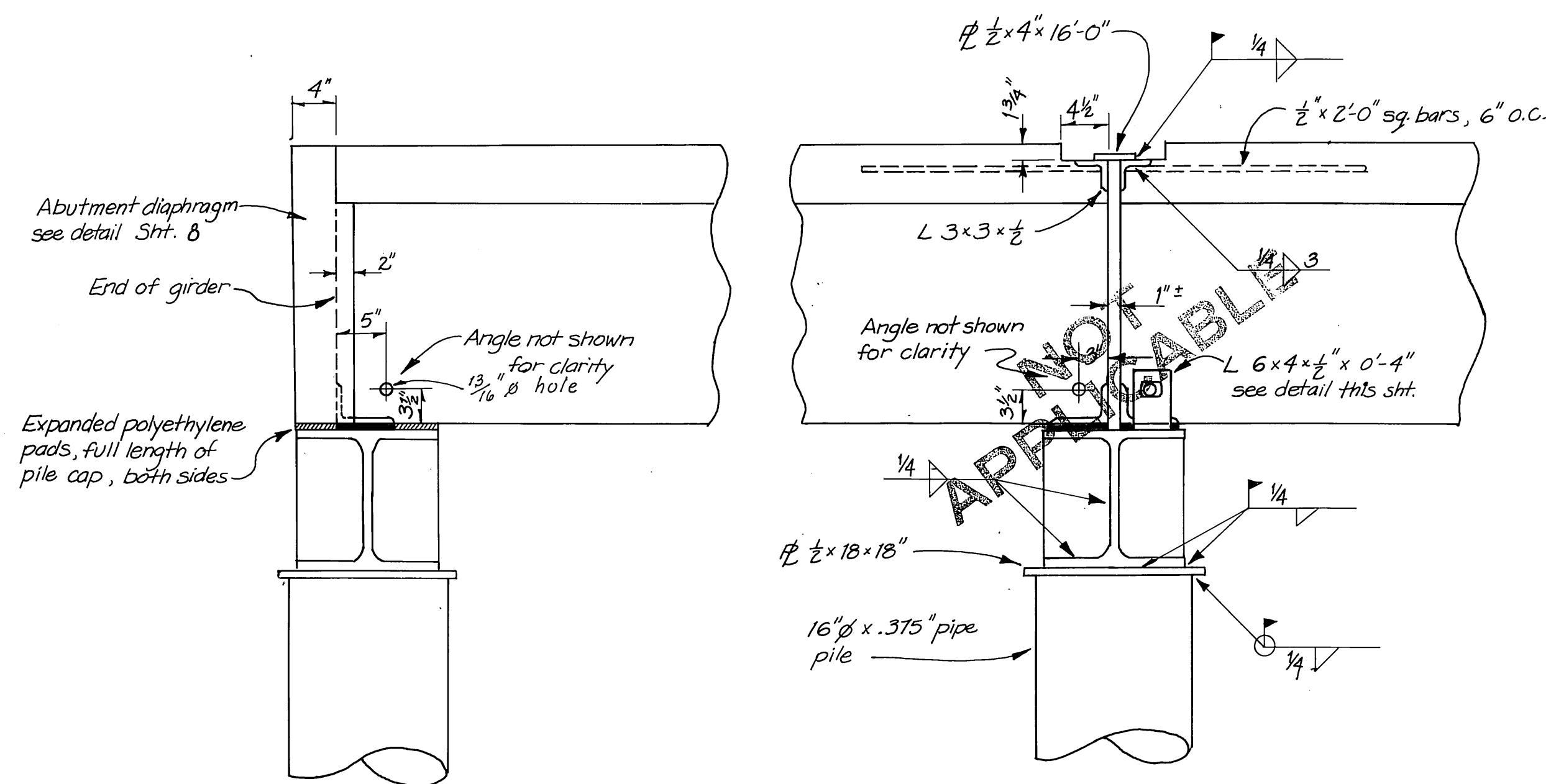


WHEELGUARD BUTT JOINT
1/2" = 1'-0"

Note: Wheelguard to be butt joined. Maximum 3/4" ϕ bolt spacing of 8'-0". Bolts in addition to those shown will be required @ butt joint. Fabricator's option as to wheelguard length and bolt spacing.

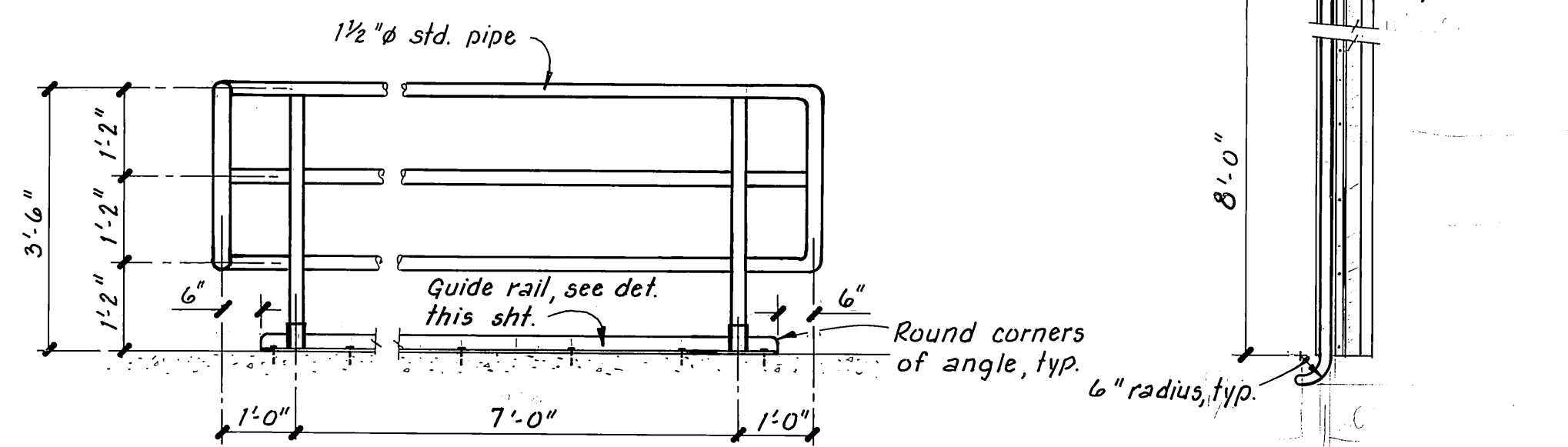
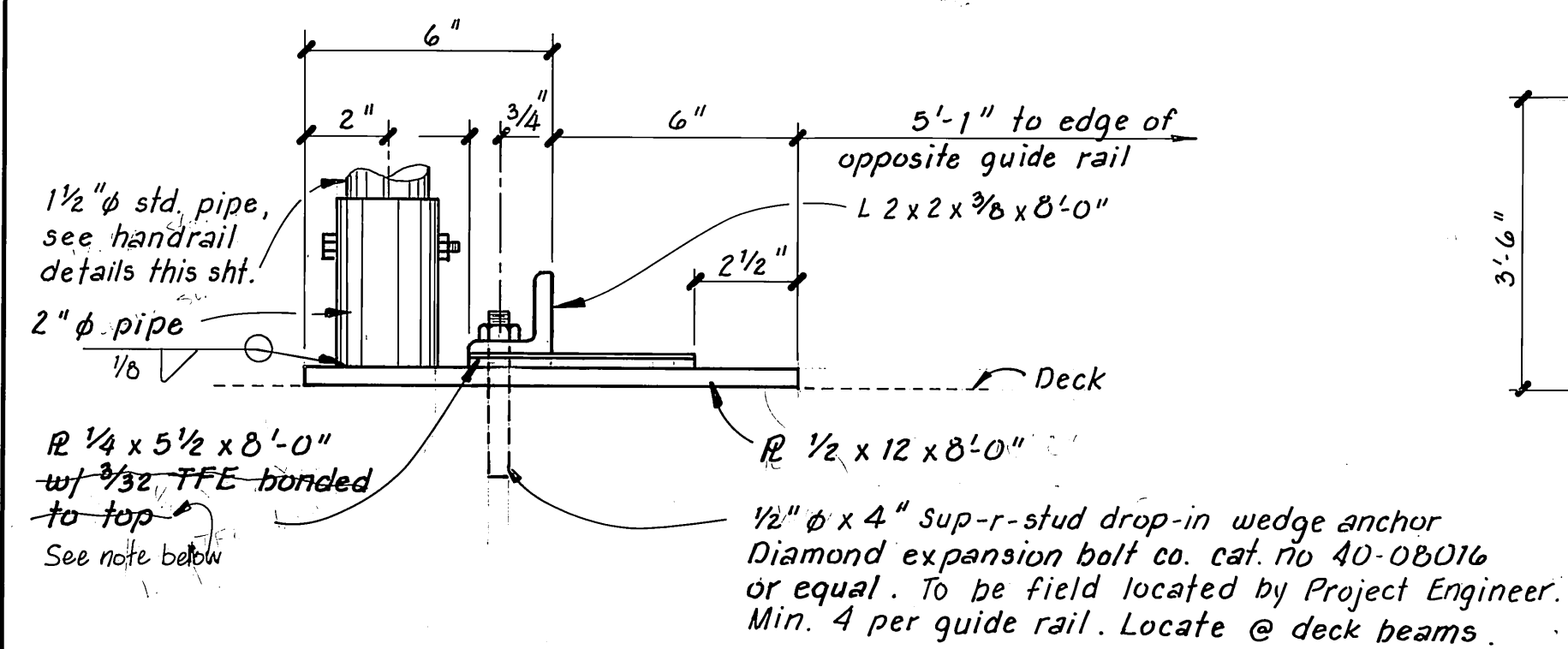
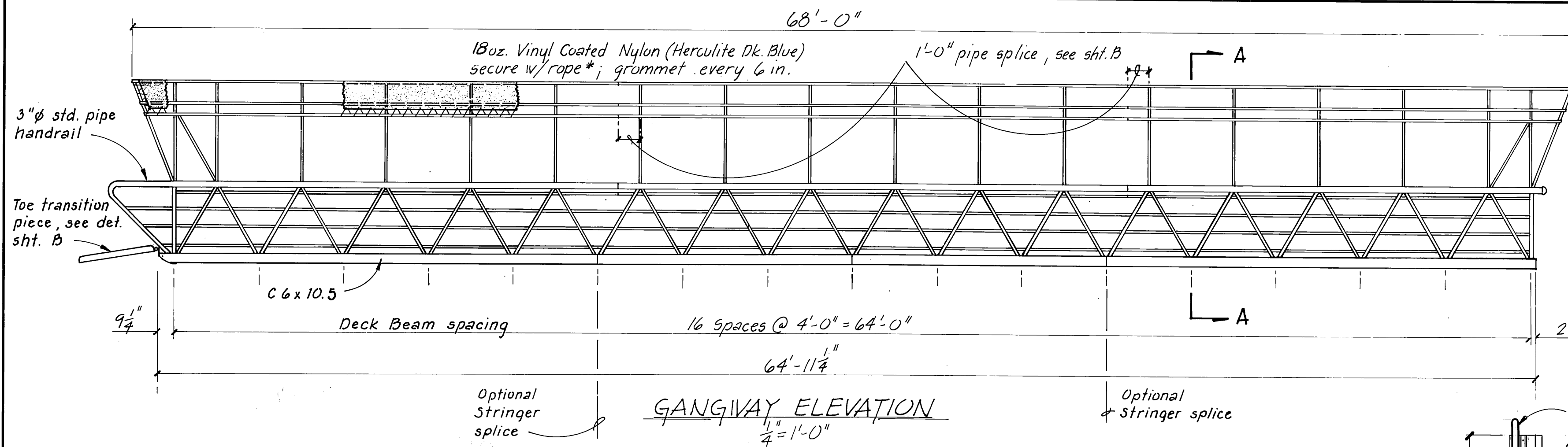
STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION	
		Sitka Japanski Harbor Alaska	
		<u>APPROACH LAYOUT</u>	
SCALE: As Noted		SURVEYED	APPROVED
DESIGNED: BS		DRAWN: JTM	Robert P. Beck
CHECKED: JDB		DATE: 9-82	James A. Lowell
PROJECT NUMBER: K 7 8 1 2 5		SHEET 7 OF 36	

STAMP 		DO NOT SCALE THIS DRAWING — USE DIMENSIONS STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION	
<i>Sitka Japonski Harhor</i>		<i>Alaska</i>	
APPROACH DETAILS SHT. A			
SCALE <i>As Shown</i> DRAWN <i>BS</i> CHECKED _____	SURVEYED _____ DRAWN <i>TS/WmN</i> DATE <i>9-82</i>	APPROVED <i>Robert P. Beck</i> <i>James A. Lowell</i>	
PROJECT NUMBER <i>K 78125</i>		SHEET <i>8</i> OF <i>2641</i>	



2'-5"
1'-2-16"
9'-16"
16'-0"
9'-7-16"
16'-0"
9'-7-16"
16'-0"
9'-7-16"

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION	
		Sitka Japonski Harbor, Alaska	
APPROACH DETAILS SHT. B		SCALE: As Noted	SURVEYED: _____
		DESIGNED: BS	DRAWN: BS
		CHECKED: _____	DATE: 9-82
		APPROVED: Robert P. Beck James A. Lowell	
PROJECT NUMBER: K 7 8 1 2 5		SHEET: 9 OF 36-41	

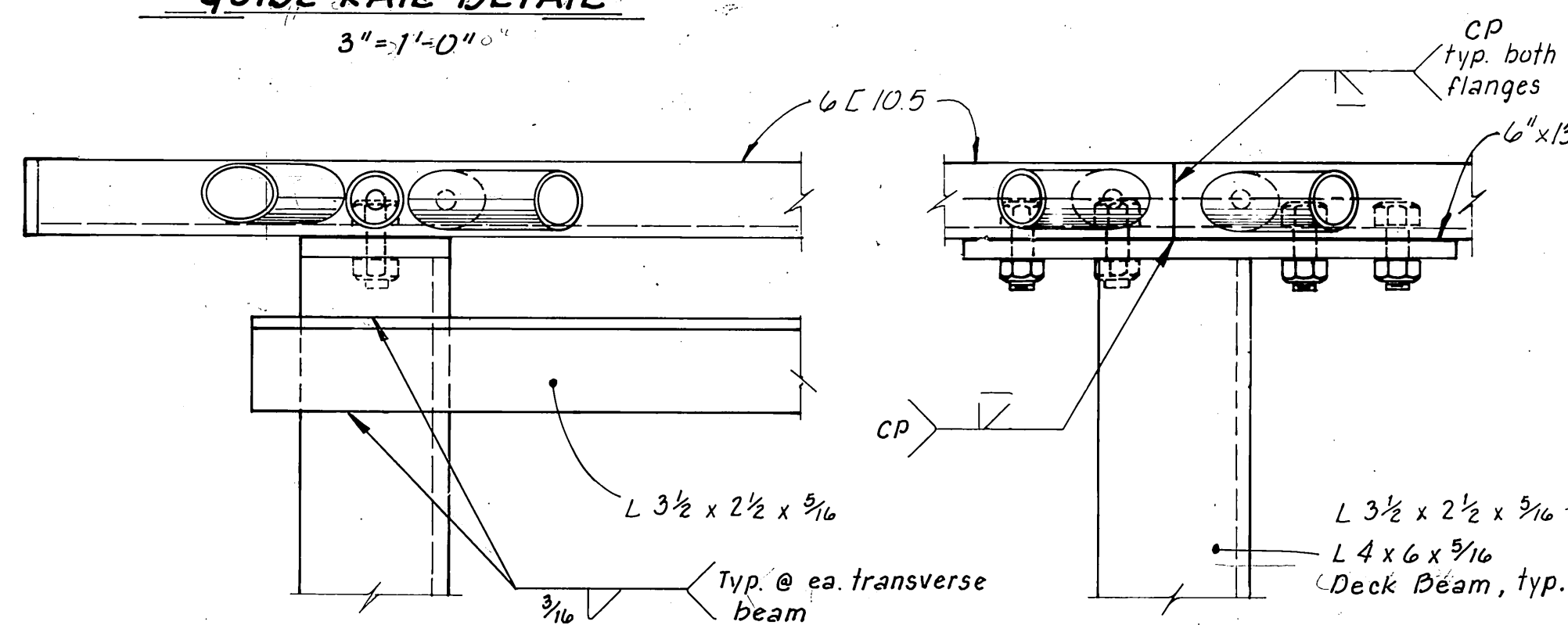
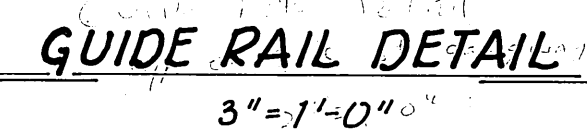


GANGWAY ELEVATION
 $\frac{1}{4}'' = 1'-0''$

ELEVATION
 $\frac{1}{2}'' = 1'-0''$

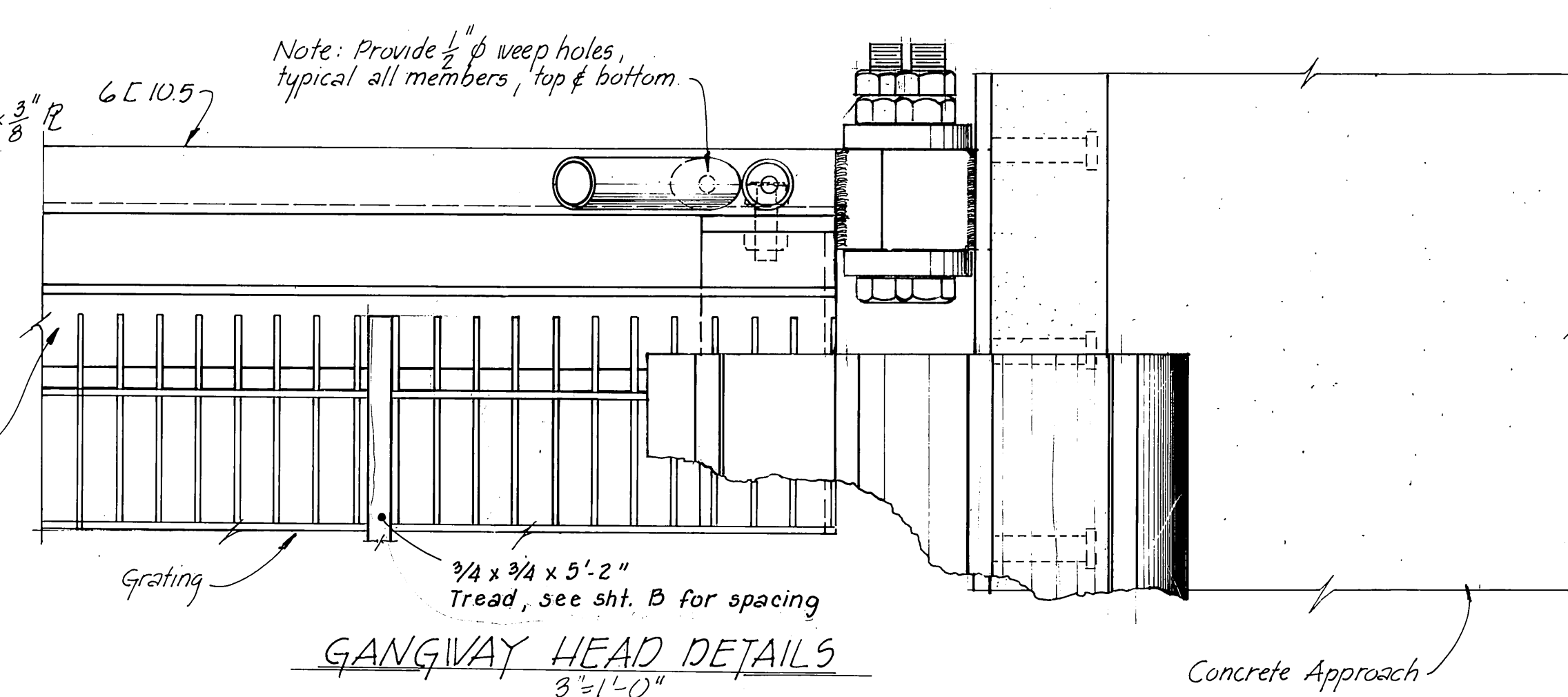
HANDRAIL DETAILS

PLAN
3/8" = 1'-0"

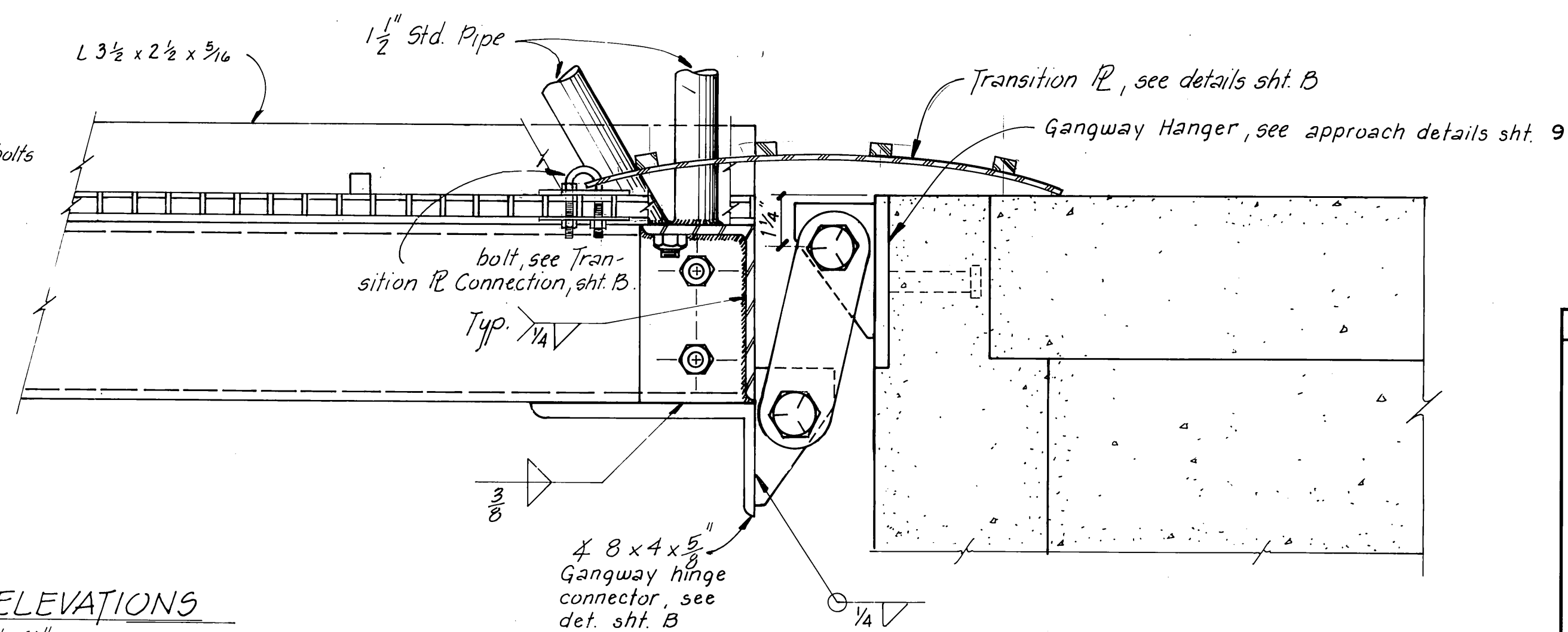
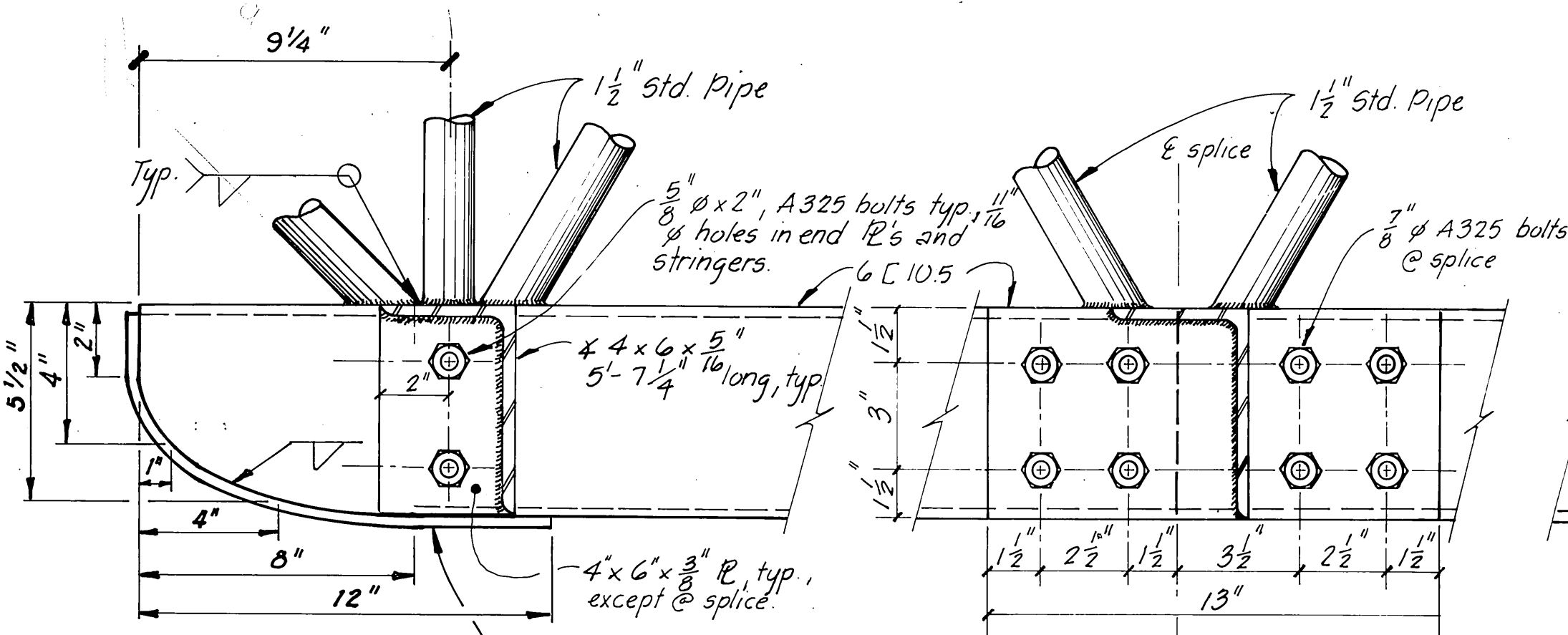


GANGWAY TOE
3'-1'-0"

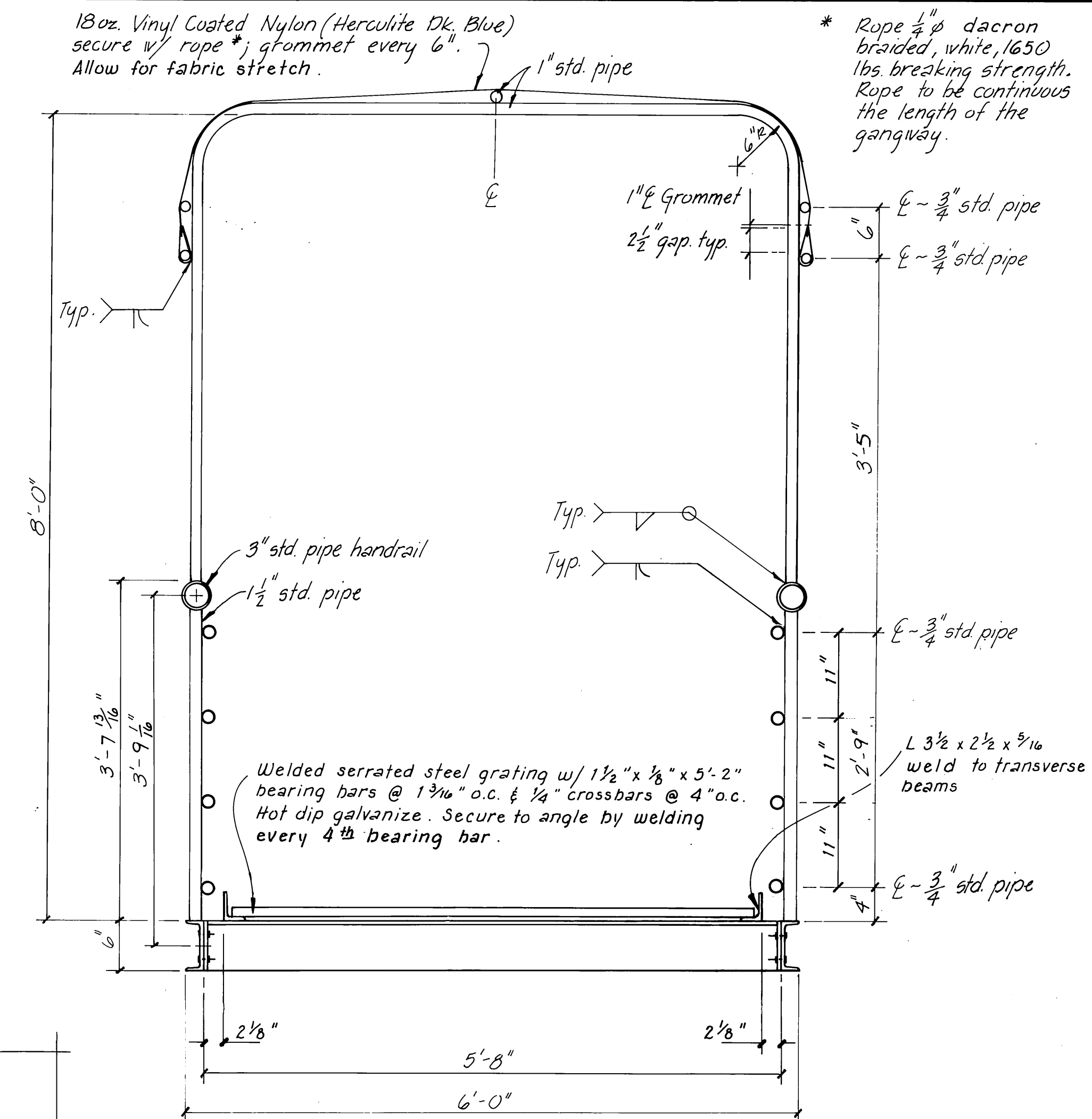
STRINGER SPLICE



GANGWAY HEAD DETAILS
3"=1'-0"



SECTIONAL ELEVATIONS

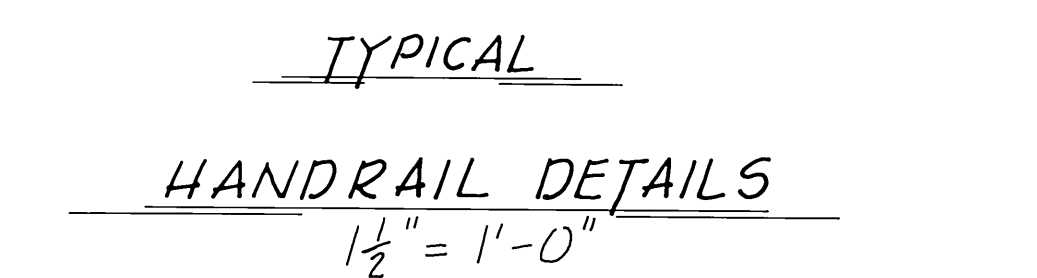
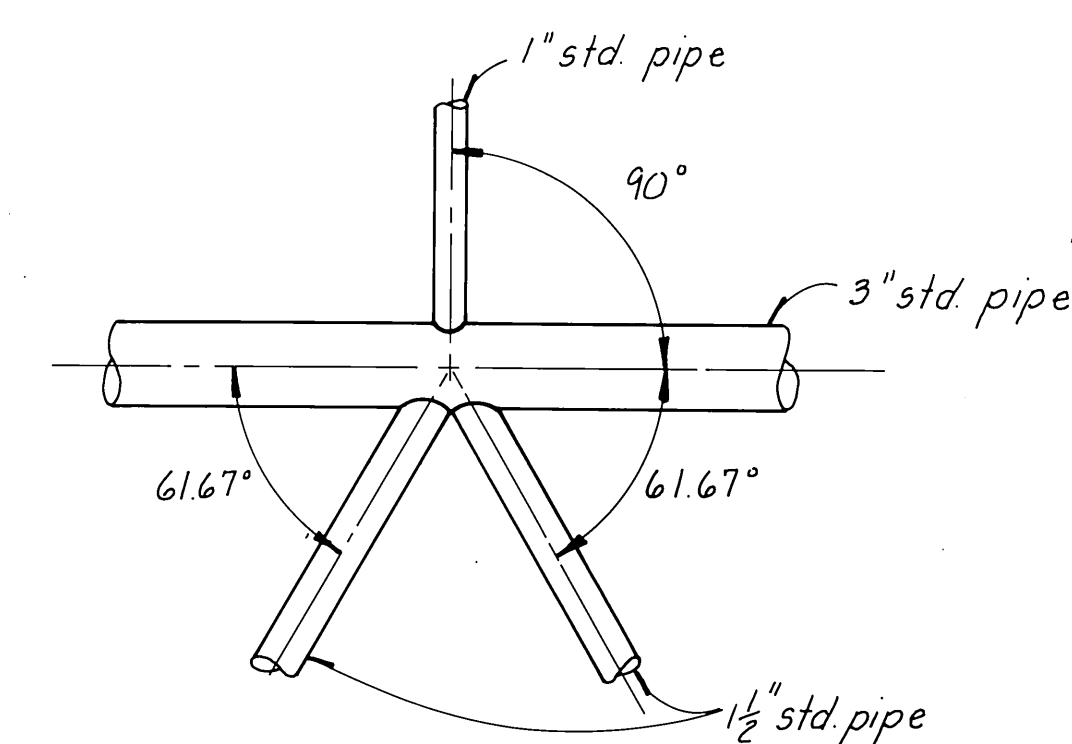
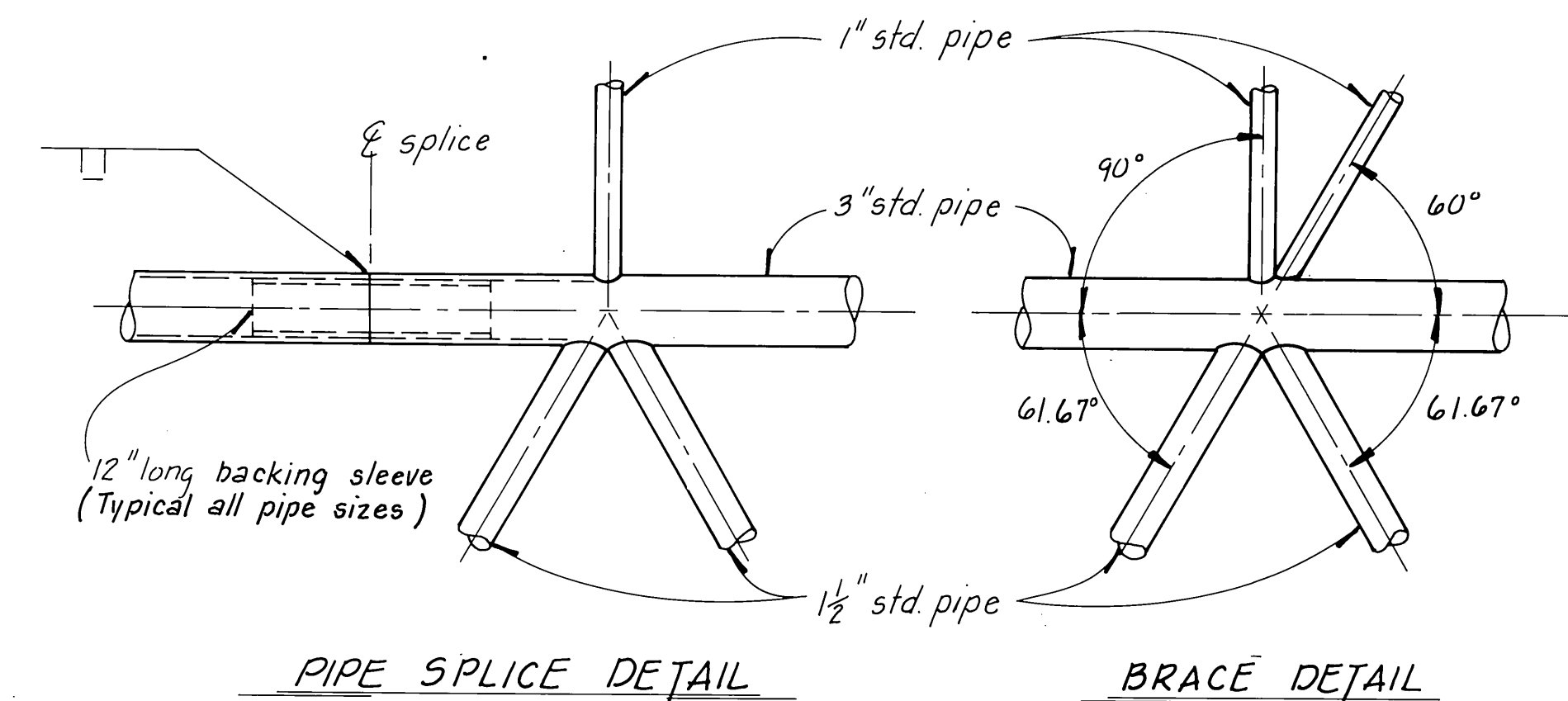
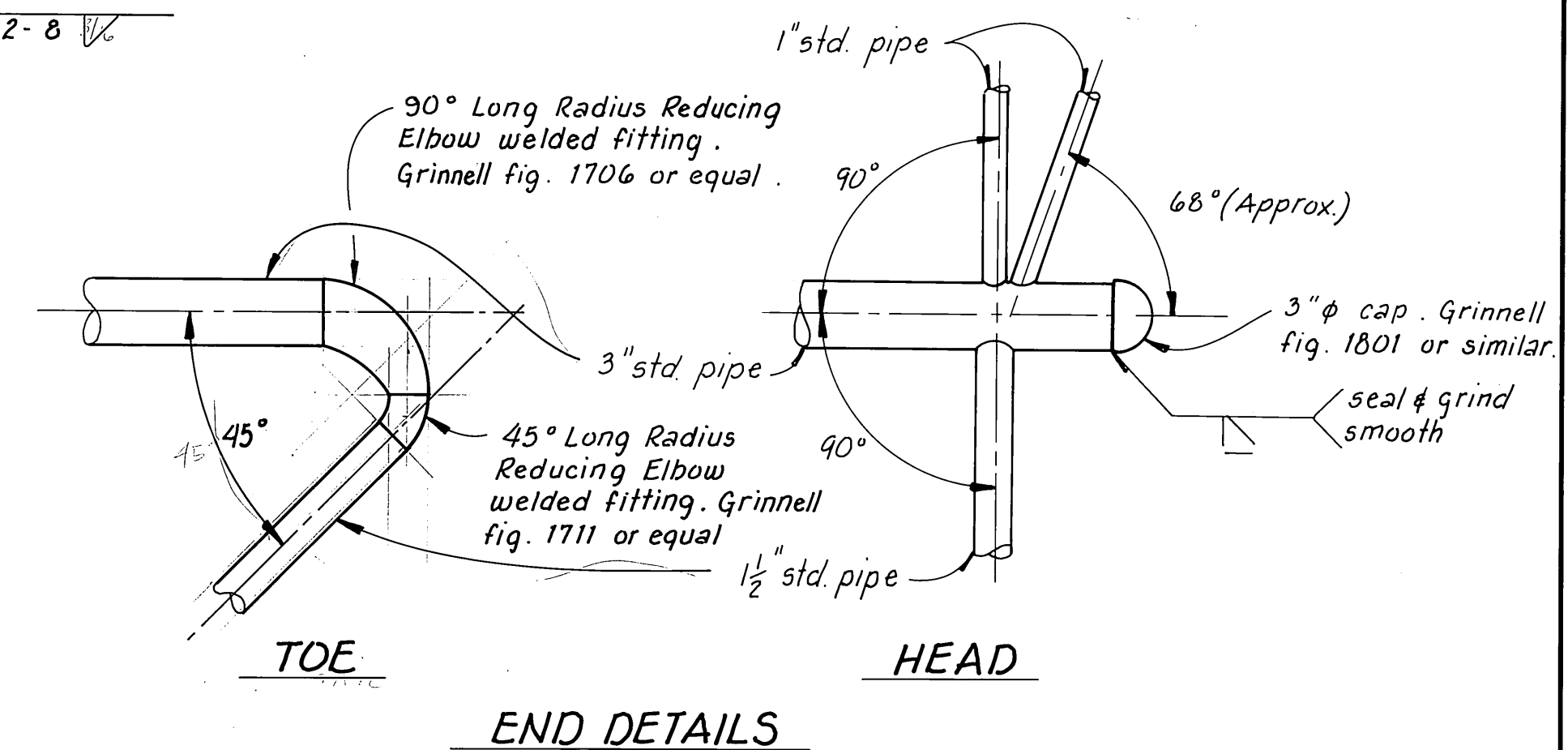
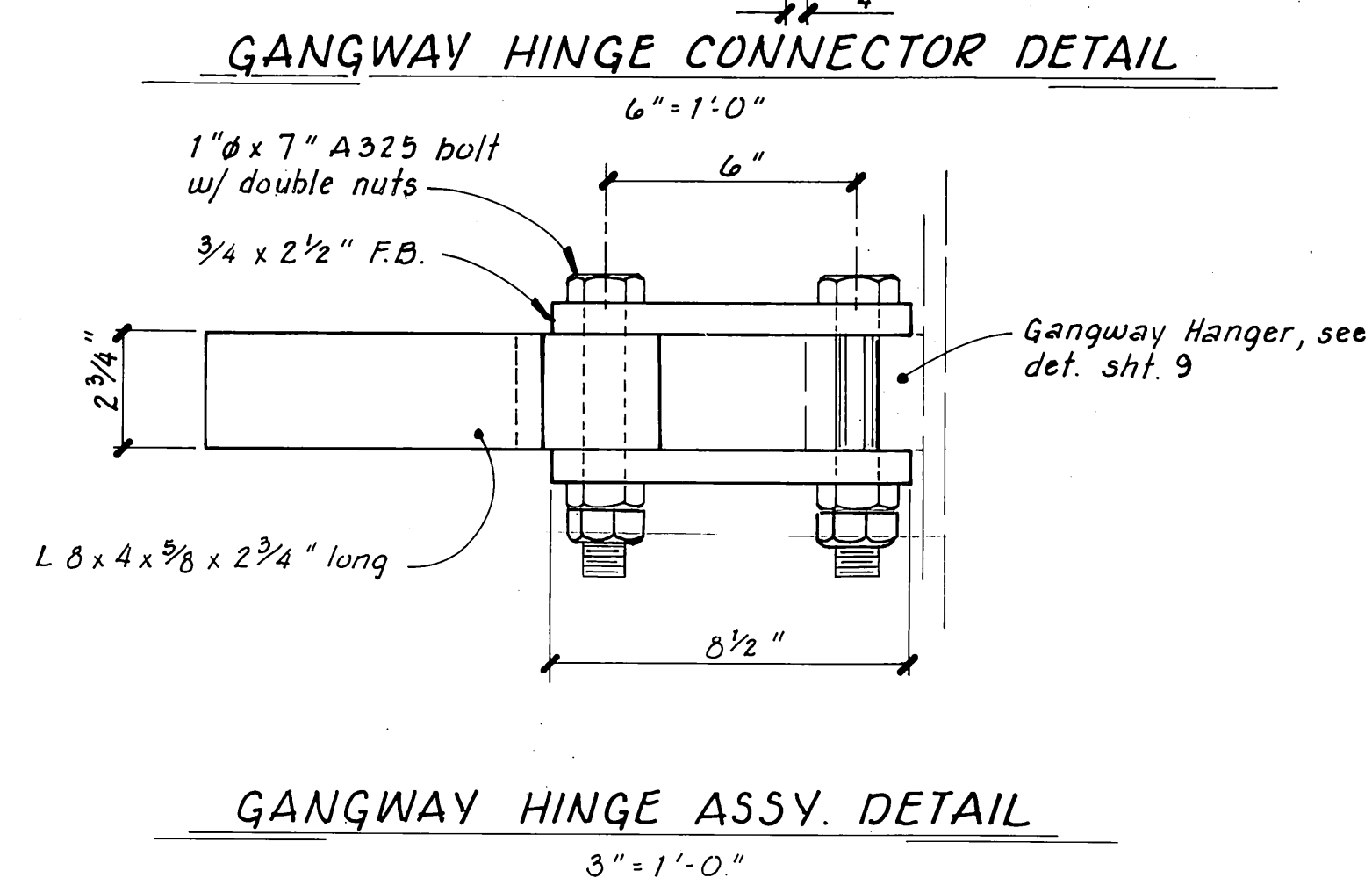
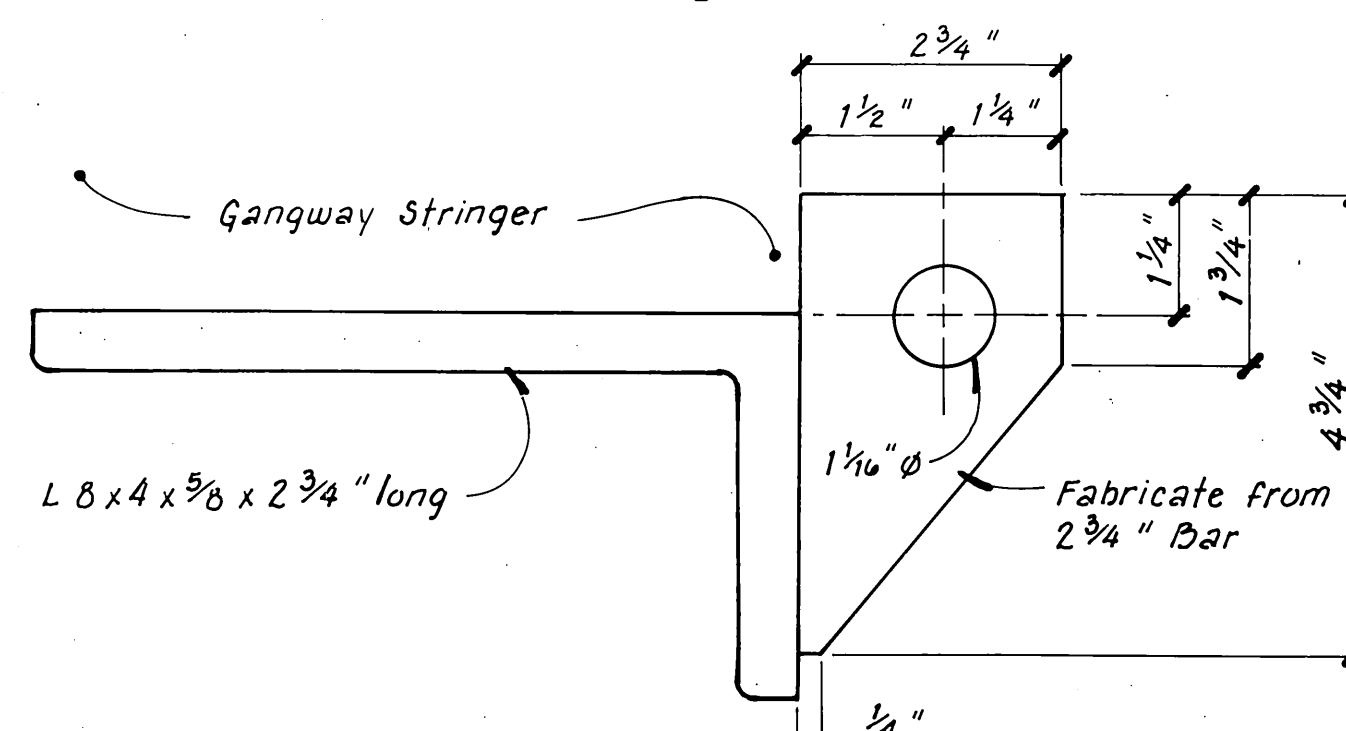
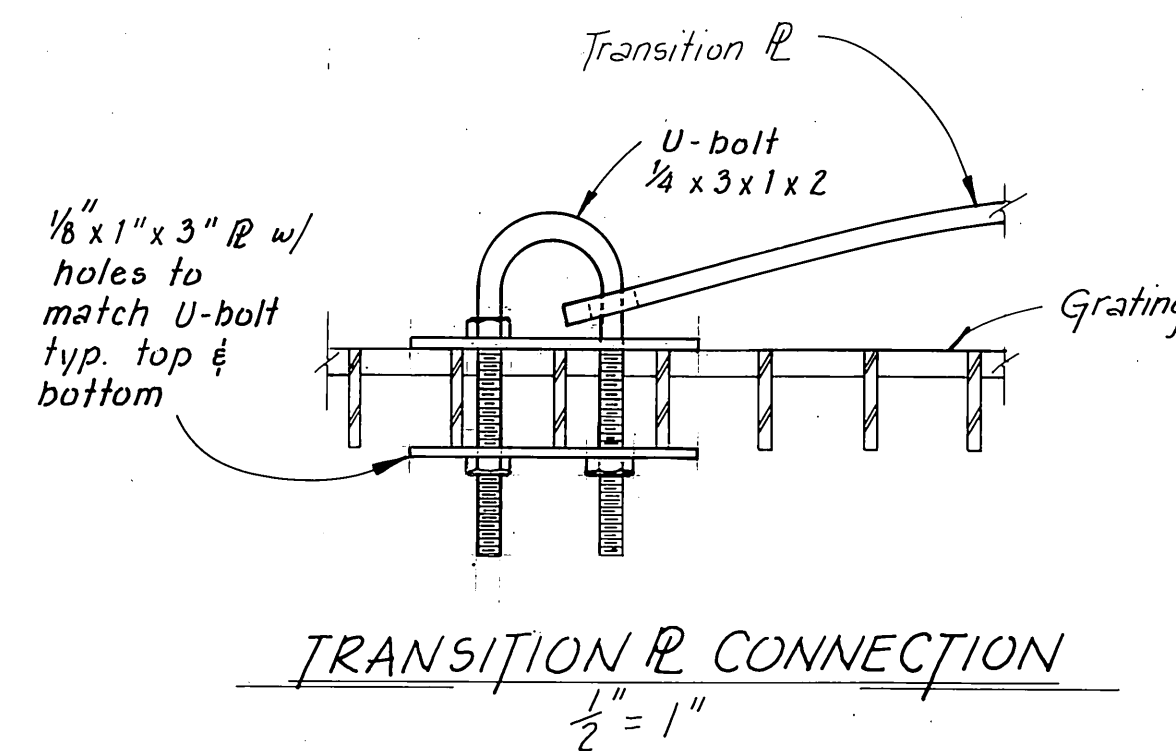
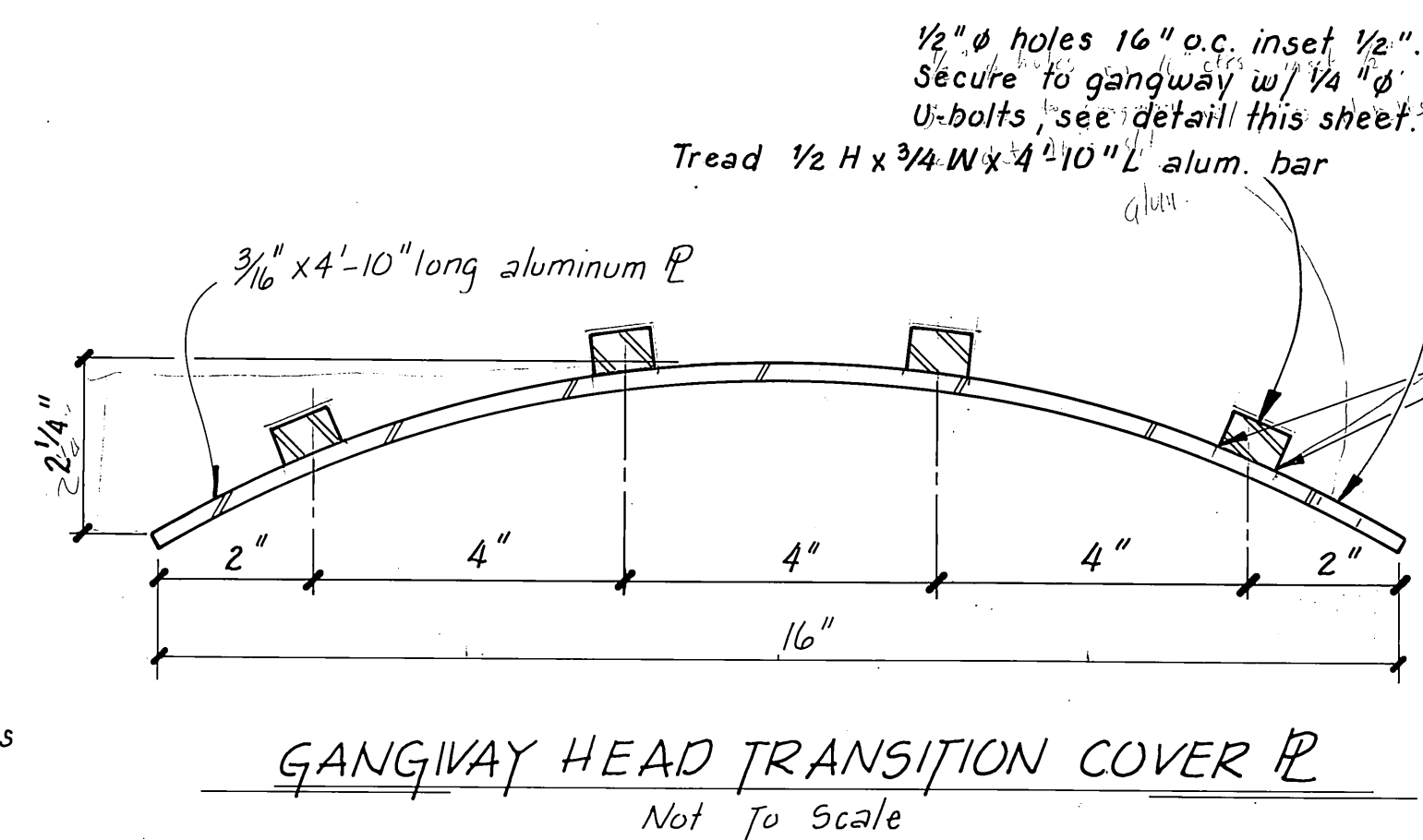
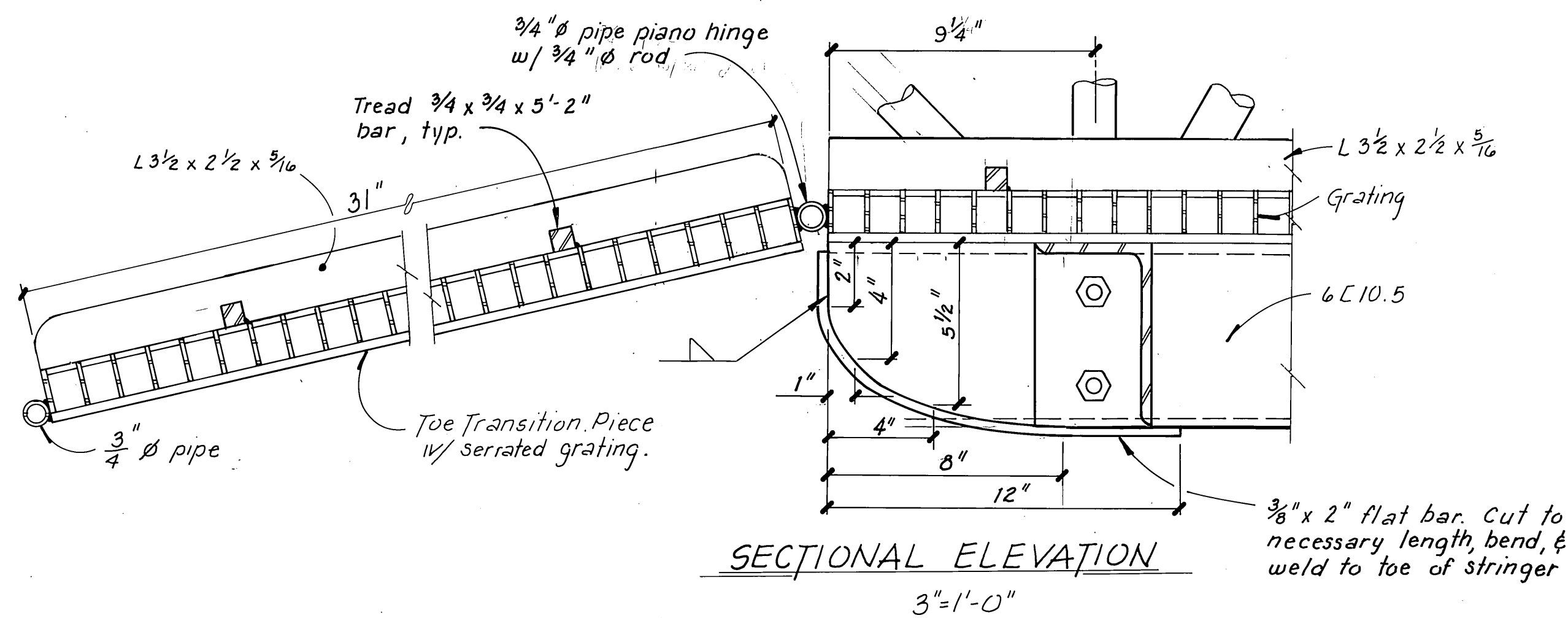
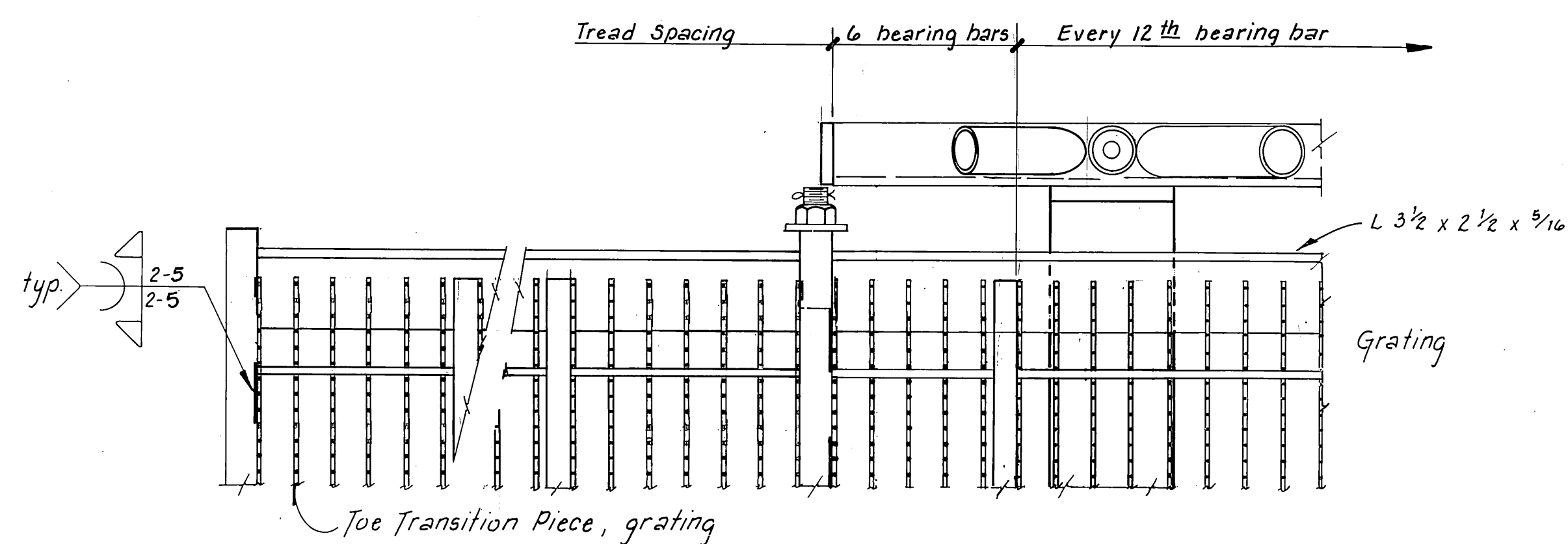
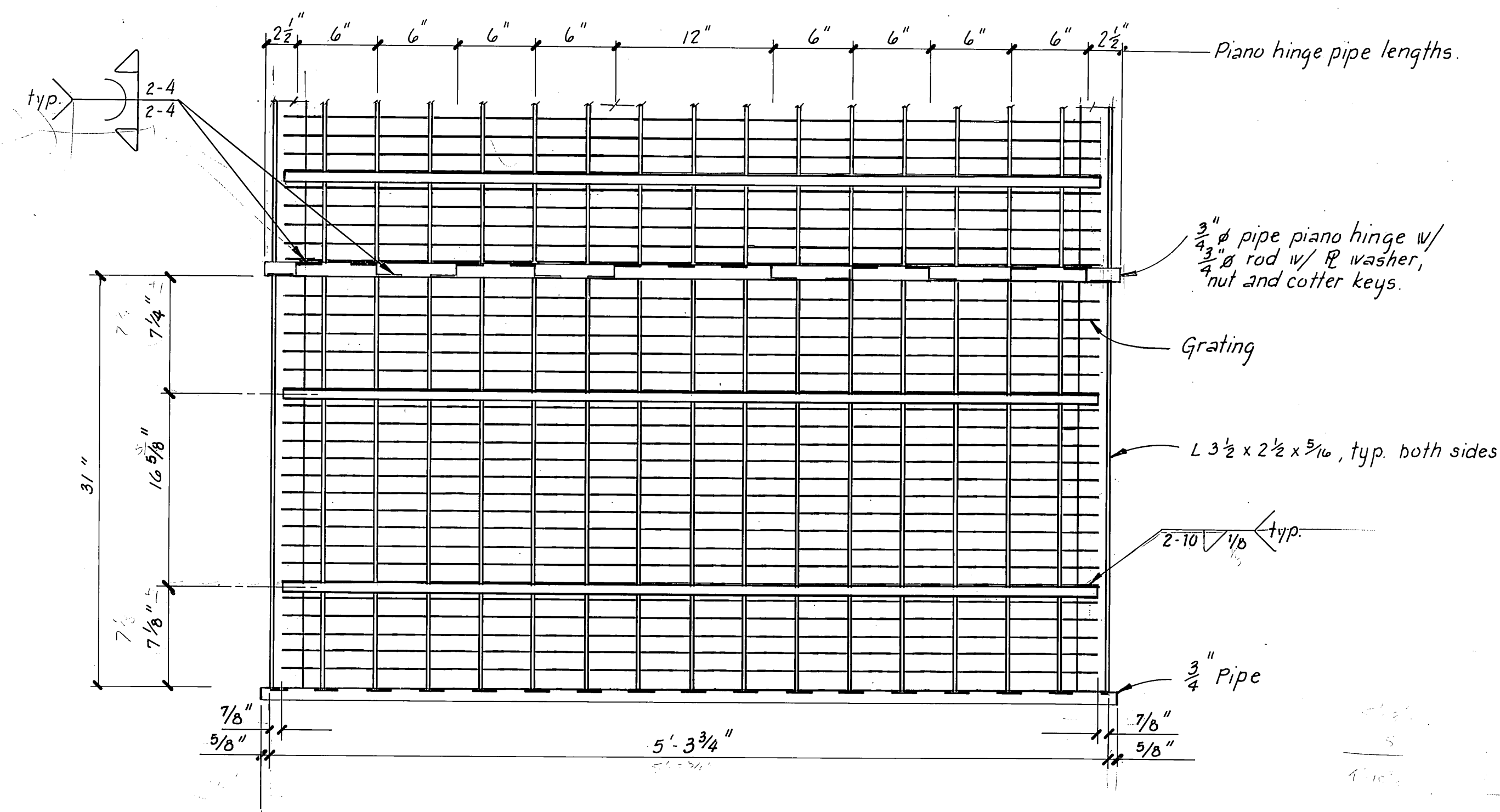


SECTION A-A
1" = 1'-0"

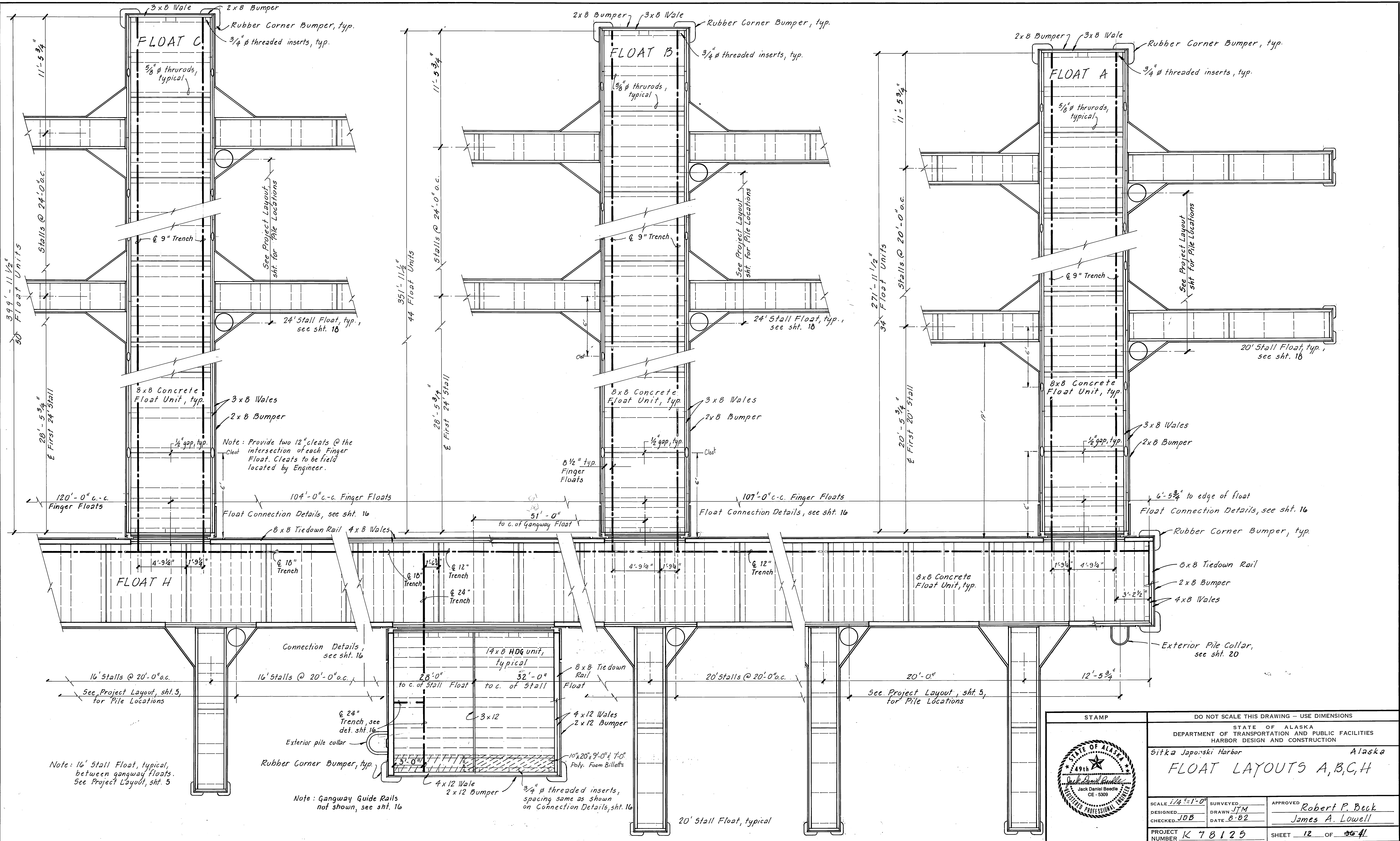
- NOTES
1. Design live load 85 psf.
 2. All seamless pipe shall conform to ASTM A-53, Grade B or ASTM A-500 and shall be galvanized.
 3. All shapes & plates shall conform to ASTM A-36 and shall be galvanized.
 4. Ship assembled except cover may be shipped separately.
 5. No Stringer or pipe splices may be located in middle 3rd of gangway.

STAMP 	DO NOT SCALE THIS DRAWING — SEE DIMENSIONS STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DIVISION OF HARBOR DESIGN AND CONSTRUCTION <i>Sitka Japanski Harbor Alaska</i> <i>6'x 65'-0" COVERED STEEL GANGWAY</i> <i>SHEET A</i>
SCALE <i>As Noted</i> DRAWN <i>HRM</i> CHECKED _____	SURVEYED _____ DRAWN <i>JTM</i> DATE <i>11-82</i>
PROJECT NUMBER <i>K 78125</i>	APPROVED <i>Robert P. Beck</i> <i>James A. Lowell</i> SHEET <i>10</i> OF <i>36</i>

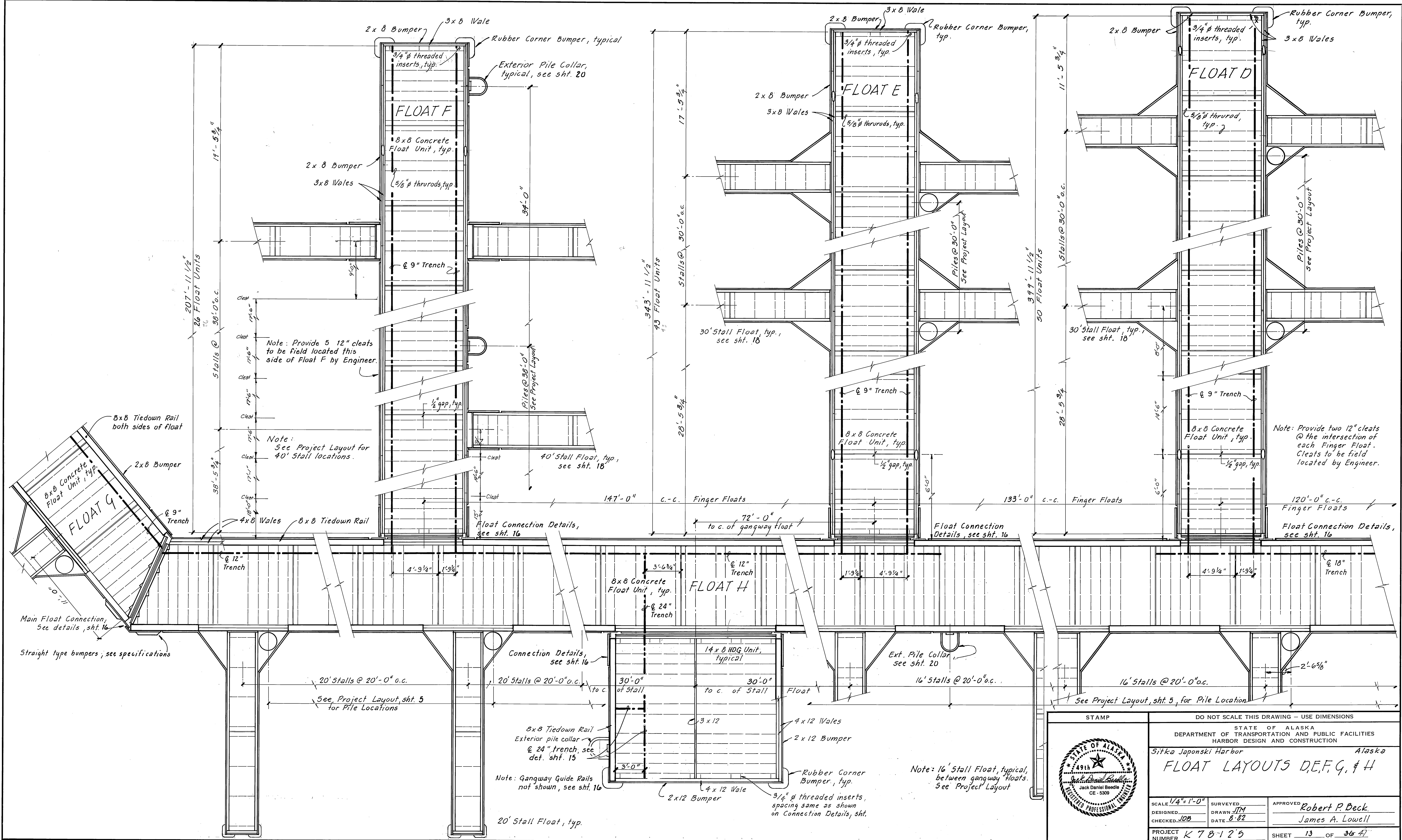
DO NOT SCALE THIS DRAWING — USE DIMENSIONS			
STATE OF ALASKA			
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
DIVISION OF HARBOR DESIGN AND CONSTRUCTION			
Sitka Japanese Harbor			Alaska
6 x 65'-0" COVERED STEEL GANGWAY			
SHEET A			
SCALE <i>As Noted</i>	SURVEYED	APPROVED <i>Robert P Beck</i>	
DESIGNED <i>HRM</i>	DRAWN <i>JTM</i>		
CHECKED	DATE <i>11-82</i>	<i>James A. Lowell</i>	
PROJECT NUMBER <i>K 78125</i>	SHEET <i>10</i> OF <i>36-41</i>		

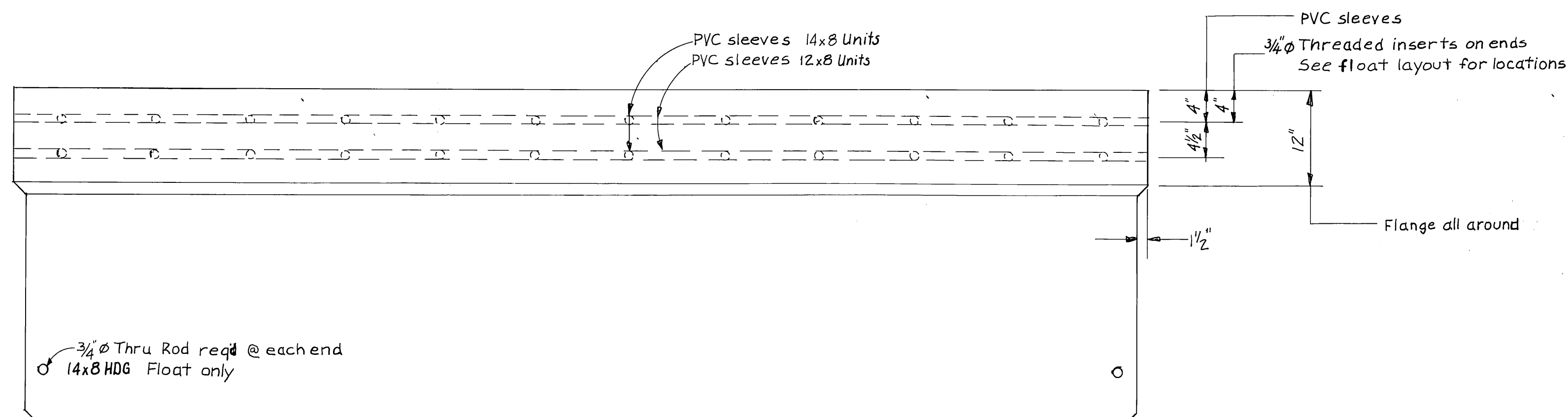


STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION		
	Sitka Japonski Harbor Alaska		
	6'x65'-0" COVERED STEEL GANGWAY SHEET B		
SCALE As Shown	SURVEYED 1	APPROVED	
DESIGNED HRM/JDB	DRAWN JTM/TS	Robert P. Beck	
CHECKED	DATE 11-82	James A. Lowell	
PROJECT NUMBER K 78125	SHEET 11		OF 36



STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION	
		Sitka Japonski Harbor Alaska FLOAT LAYOUTS A,B,C,H	
SCALE 1/4" = 1'-0"	SURVEYED	APPROVED Robert P. Beck	
DESIGNED	DRAWN JTM	James A. Lowell	
CHECKED JDB	DATE 8-82		
PROJECT NUMBER K 7 8 1 2 5	SHEET 12 OF 26		





OUTBOARD ELEVATION

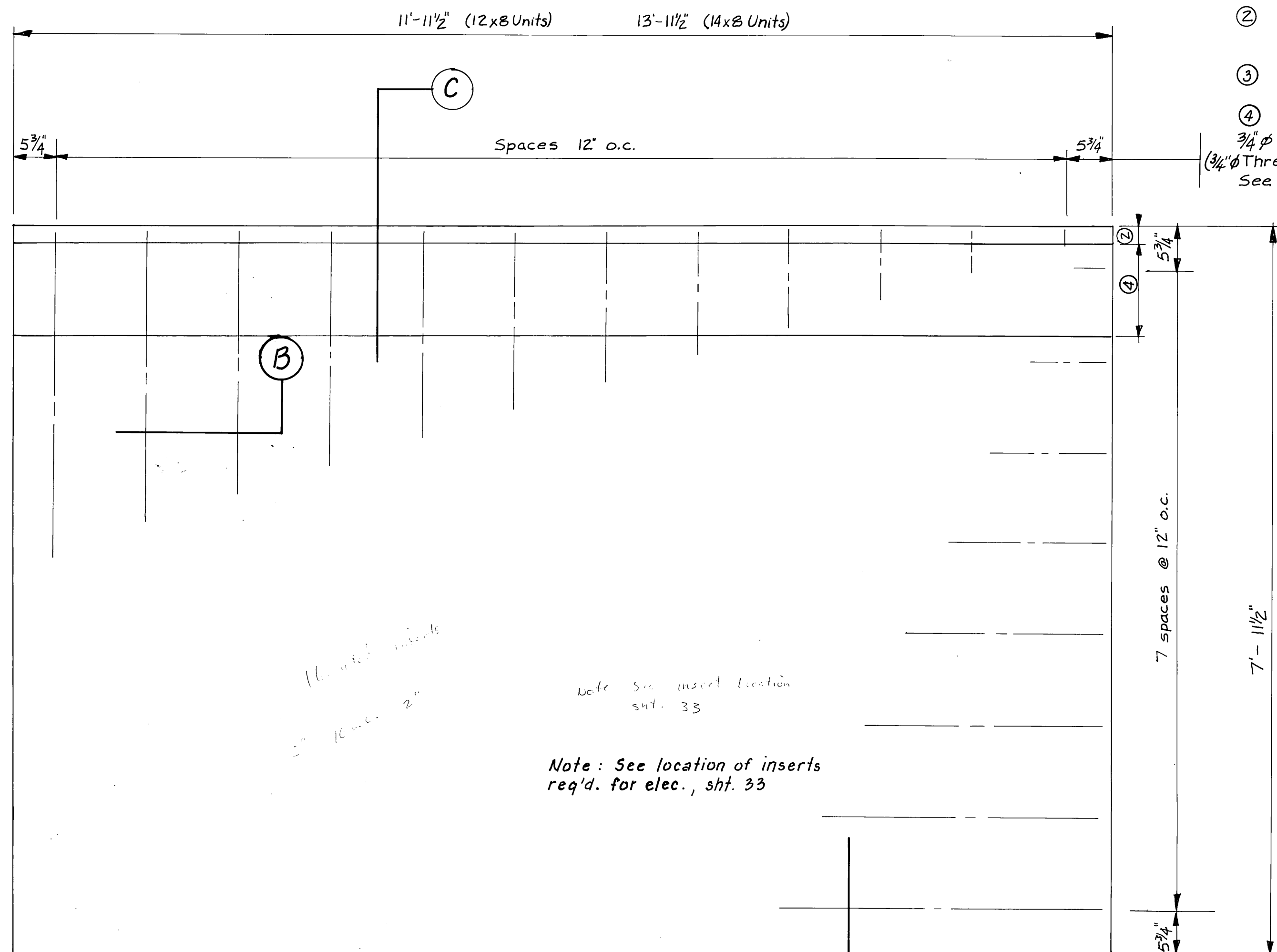
1" = 1'-0"

Design Freeboard 16"
Maximum Freeboard 18"
Minimum Freeboard 12"

Dimensions			Immersion Constant
Nominal Float	Width	Length	Lbs. Per linear ft.
12x8 HD	11'-11 1/2"	7'-11 1/2"	61.2
12x8 HDG	11'-11 1/2"	7'-11 1/2"	61.2
14x8 HD	7'-11 1/2"	13'-11 1/2"	40.8
14x8 HDG	7'-11 1/2"	13'-11 1/2"	40.8

- Pontoon supplier to provide float unit w/ req'd. freeboard. Allow 35 Lbs. per linear foot for wales, bumper & utilities on HD units. Allow 2000 lbs. per float unit for gangway on all HDG units.
- Utility raceway location. Section C typ. except where noted on layouts.
- Chamfer corners of T and X trenches w/ 3" chamfer.
- Trench width varies, see float layouts.

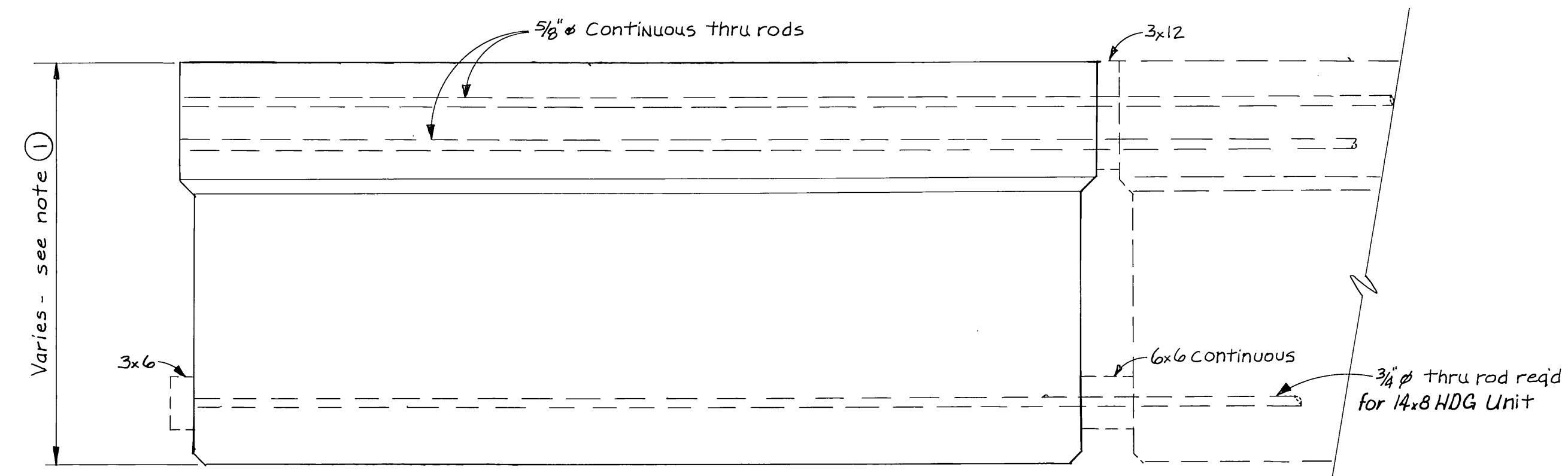
3/4" PVC sleeve spacing 14x8 Units
(3/4" Threaded insert spacing 12x8 Units)
See float layout for locations



PLAN

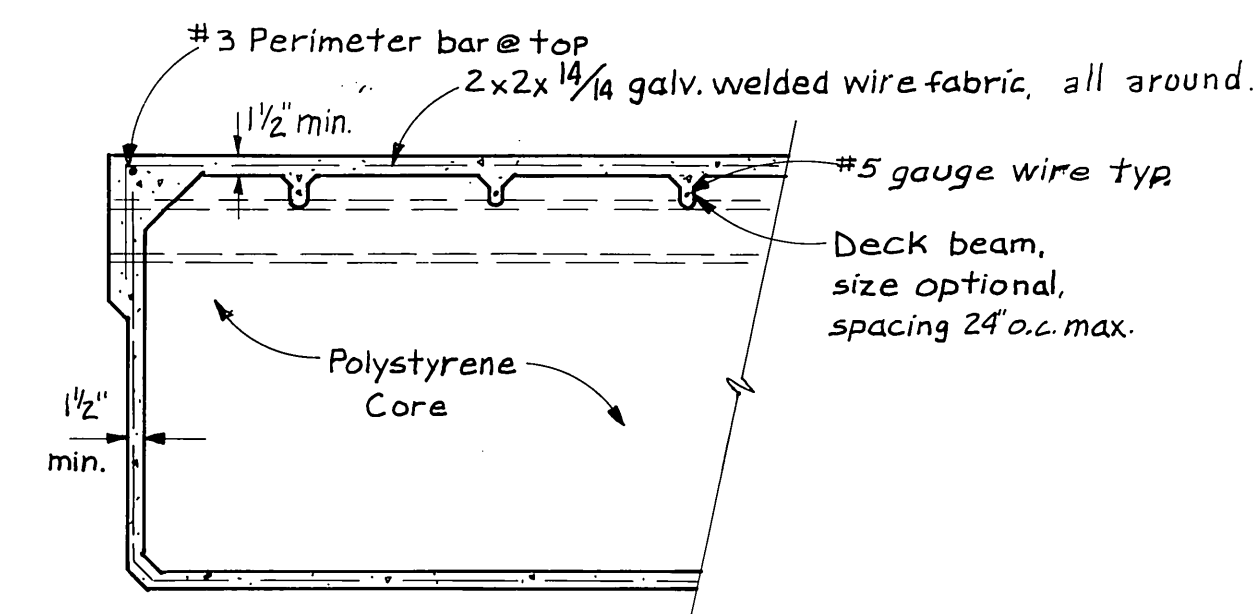
1" = 1'-0"

Note: See location of inserts req'd. for elec., sht. 33



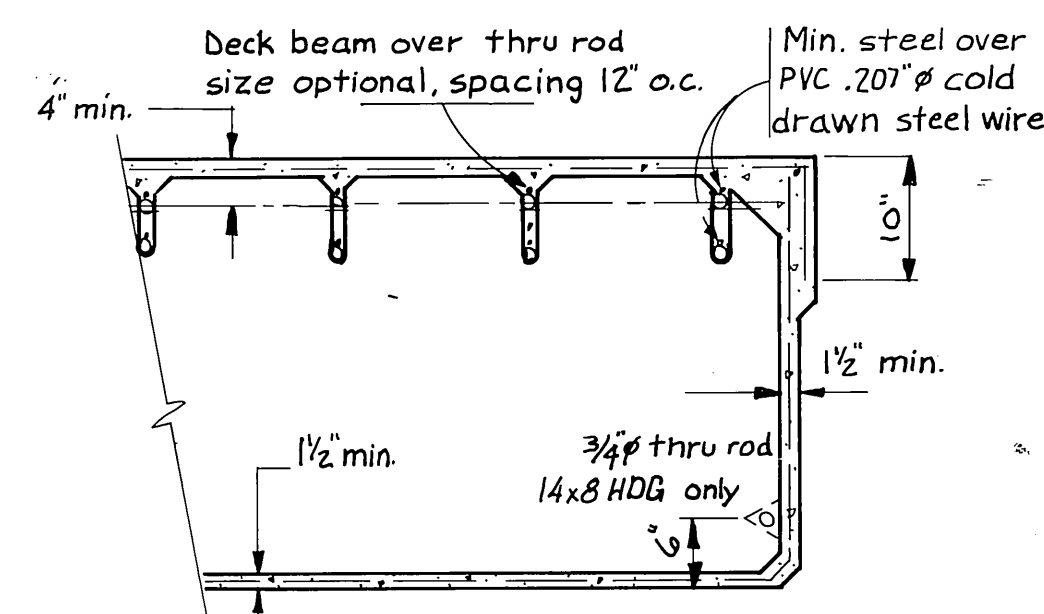
END ELEVATION

1" = 1'-0"



SECTION A

3/4" = 1'-0"

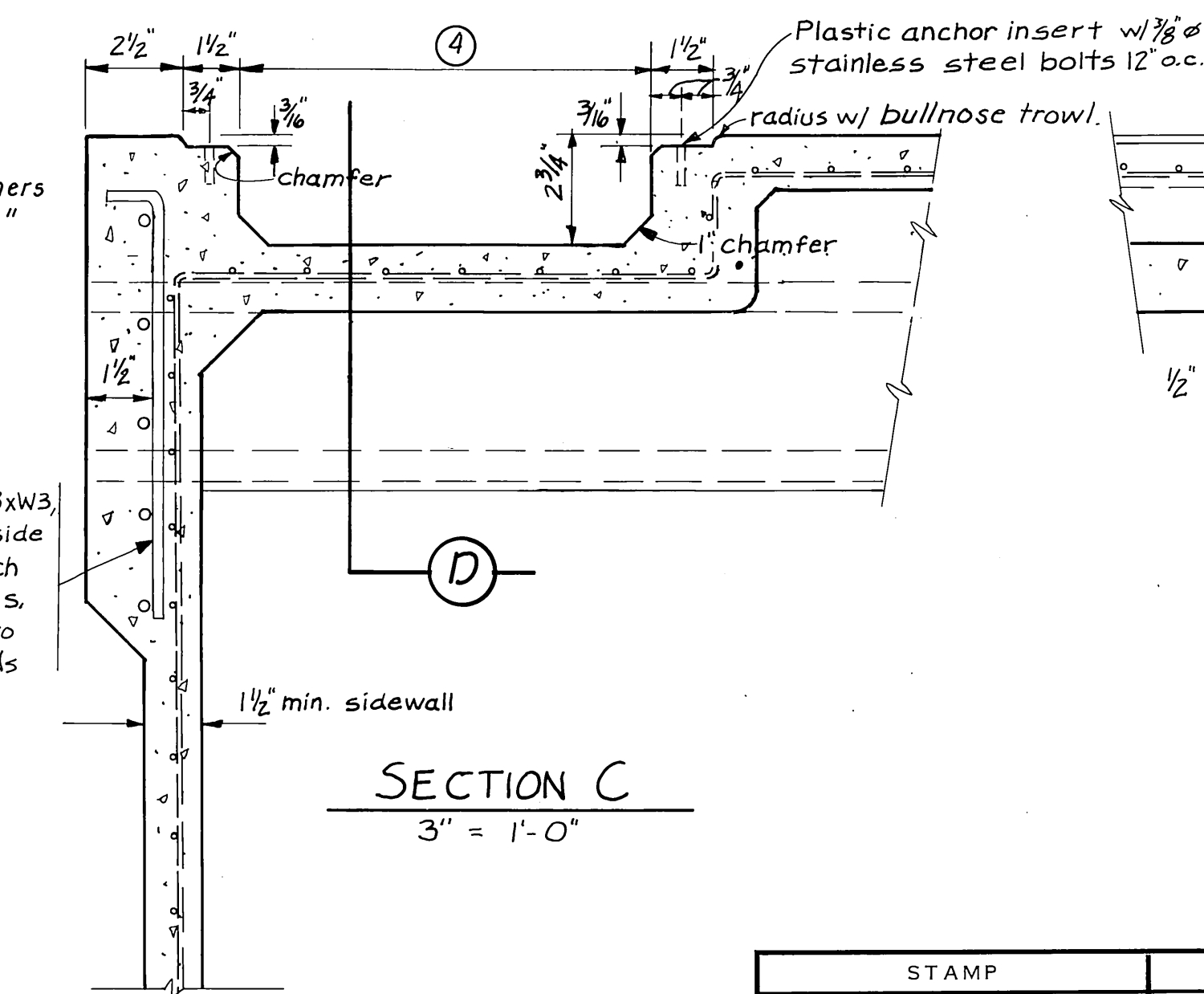


SECTION B

3/4" = 1'-0"

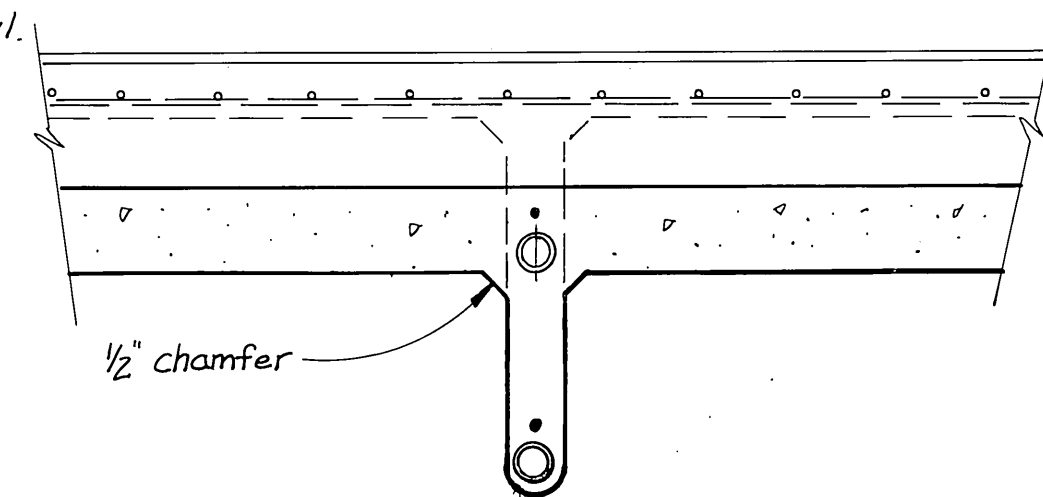
Note: Chamfer corners of T trenches w/ 3" chamfer.

12' cont. 3x6 ~ W3xW3
Shape as shown side trough only. Haunch typical all troughs. Cut cross wires to go around thru rods. See note ②



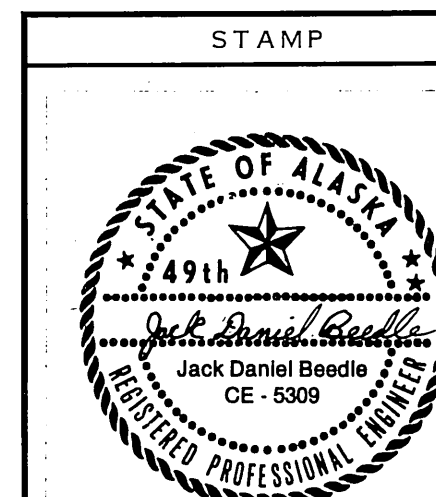
SECTION C

3" = 1'-0"

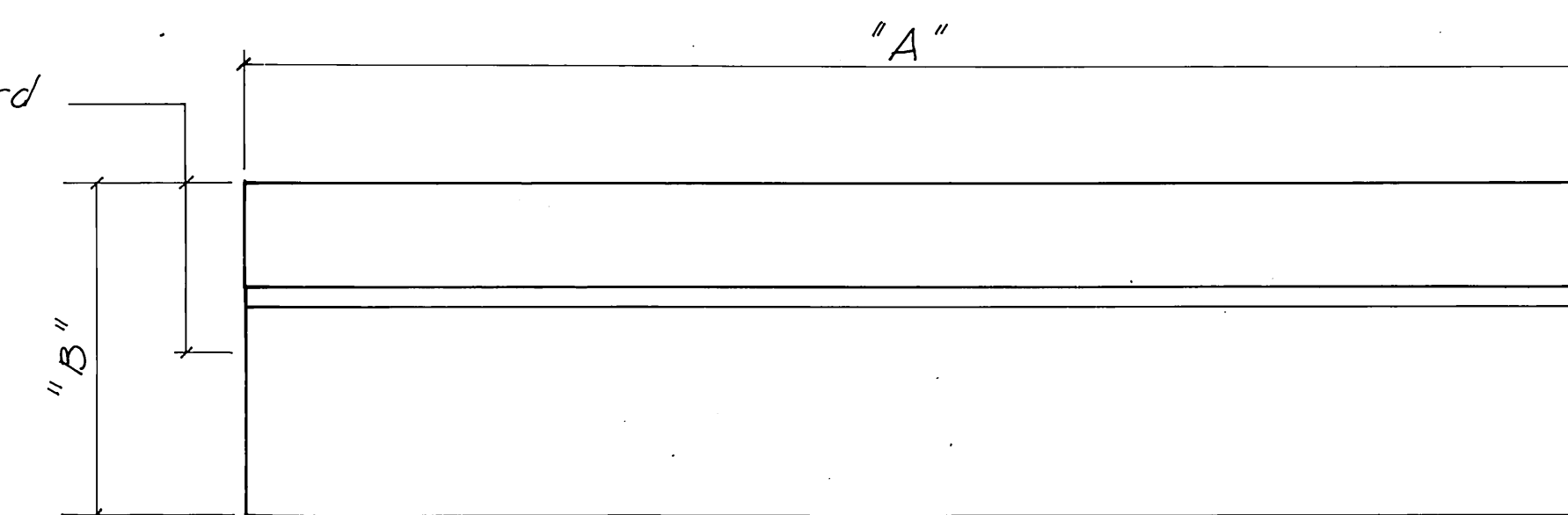


SECTION D

3" = 1'-0"

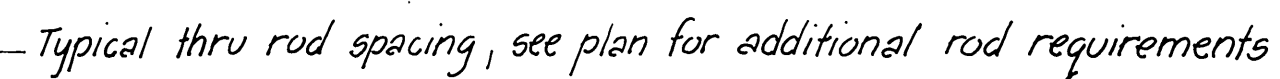


DO NOT SCALE THIS DRAWING - USE DIMENSIONS		
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DIVISION OF HARBOR DESIGN AND CONSTRUCTION		
Sitka Japonski Harbor		Alaska
HEAVY DUTY FLOAT UNITS		
SCALE As noted	SURVEYED	APPROVED Robert P. Beck
DESIGNED	DRAWN RJT/CV	JAMES A. LOWELL
CHECKED	DATE 11-82	
PROJECT NUMBER K-76125	SHEET 14	OF 36-41



OUTBOARD ELEVATION
1"=1'-0"

END ELEVATION
1"=1'-0"



— Typical $\frac{3}{4}" \phi$ PVC sleeve spacing.

Design Freeboard 12" ①
Maximum Freeboard 14"
Minimum Freeboard 11"

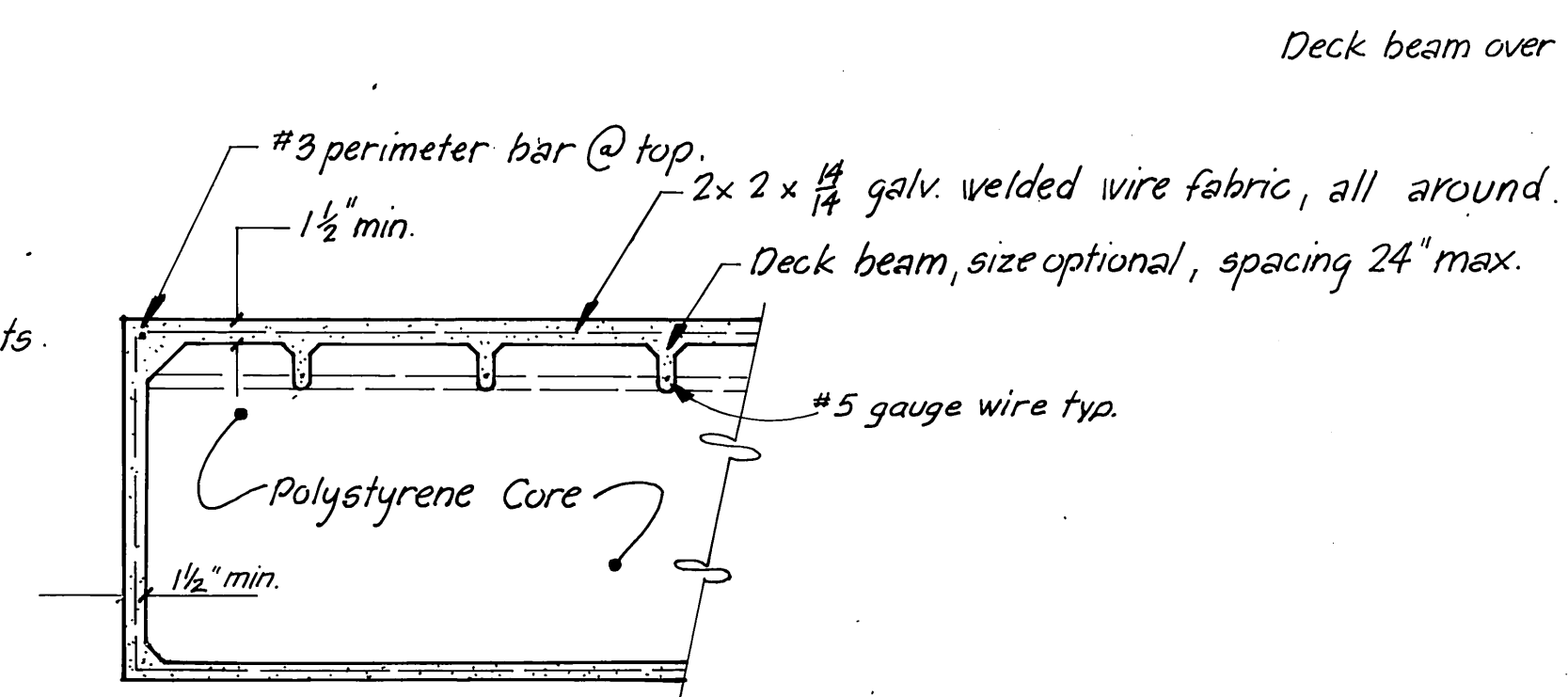
DIMENSIONS			IMMERSION CONSTANT
Nominal Float	"A"	"B"	Pounds per linear ft.
6 x 8	5' - 11 1/2"	Note ①	30.6
8 x 8	7' - 11 1/2"	" "	40.8
8 x 8 G	7' - 11 1/2"	" "	40.8
10 x 8	9' - 11 1/2"	" "	51.0
10 x 8 G	9' - 11 1/2"	" "	51.0
12 x 8	11' - 11 1/2"	" "	61.2

General Notes:

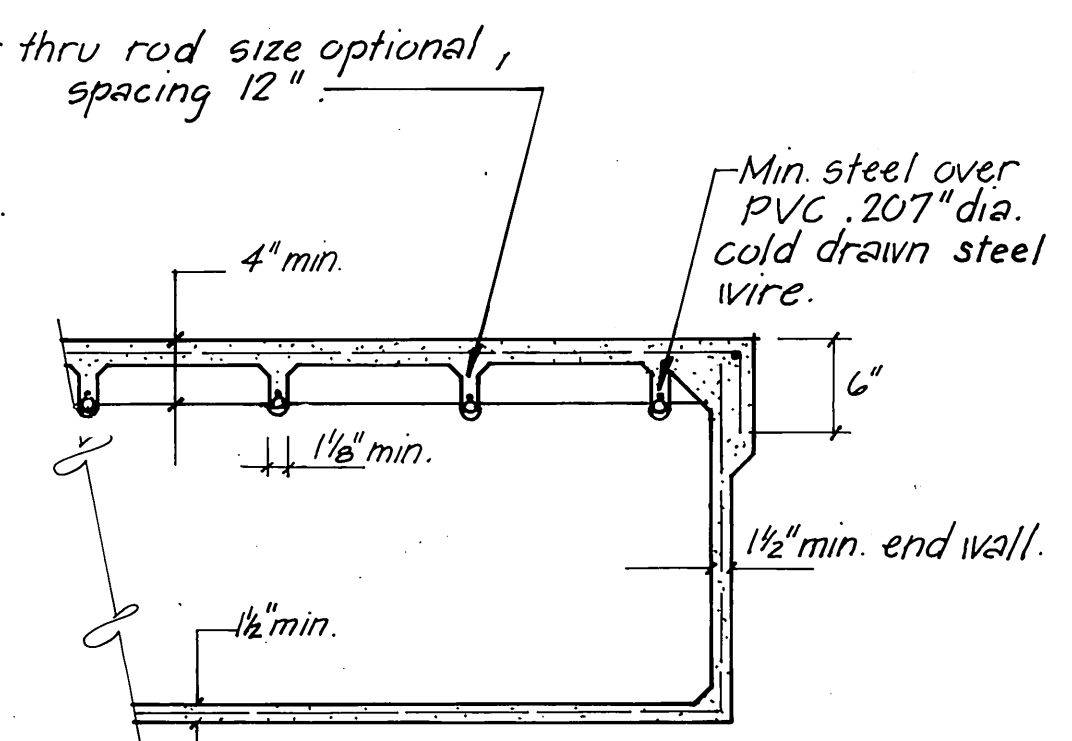
- ① Pontoon supplier to provide float unit w/ required freeboard. Allow 35 lbs. per linear foot for wales, bumper & utilities. Allow 1200 lbs. per float unit for gangway on all G units.
- ② Chamfer corners of Tand X trenches w/ 3" chamfer.
- ③ Utility raceway location. Section C typ. except where noted on layouts.
- ④ Trench width varies, see float layouts.

12" cont. 3"x6" ~ W3xW3, shape as shown side trough only. Haunch typical all troughs. Cut cross wires to go around thru rods. See note (3)

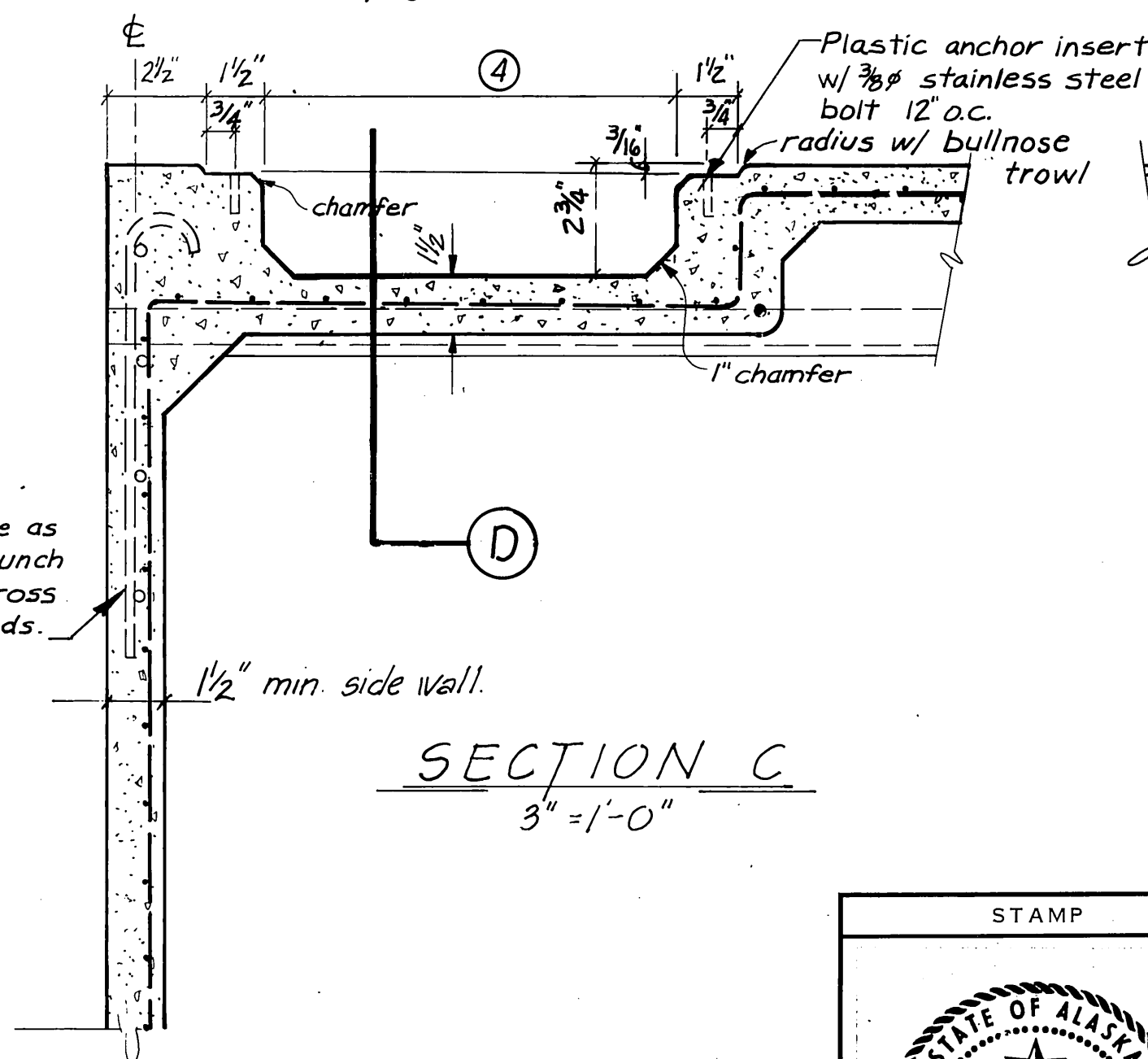
— $\frac{3}{4}$ ϕ Threaded insert spacing, see plan layout for locations.



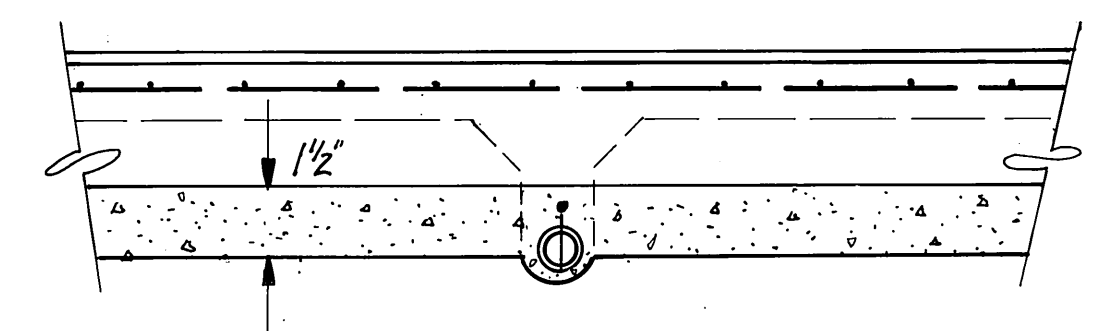
SECTION A
1"=1'-0"



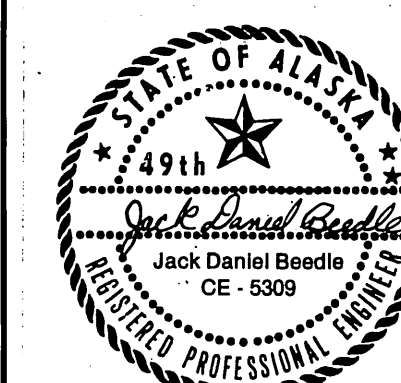
SECTION B
1" = 1'-0"



SECTION C
3" = 1'-0"



SECTION D
3" = 1'-0"



DO NOT SCALE THIS DRAWING – USE DIMENSIONS

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

Sitka Japonski Harbor

Alaska

TYPICAL FLOAT UNITS

SCALE As Shown

SCALE _____

DESIGNED _____

DESIGNED _____
CHECKED JDB

STANDARD

PROJECT NUMBER *K 78*

NUMBER _____

APPROVED

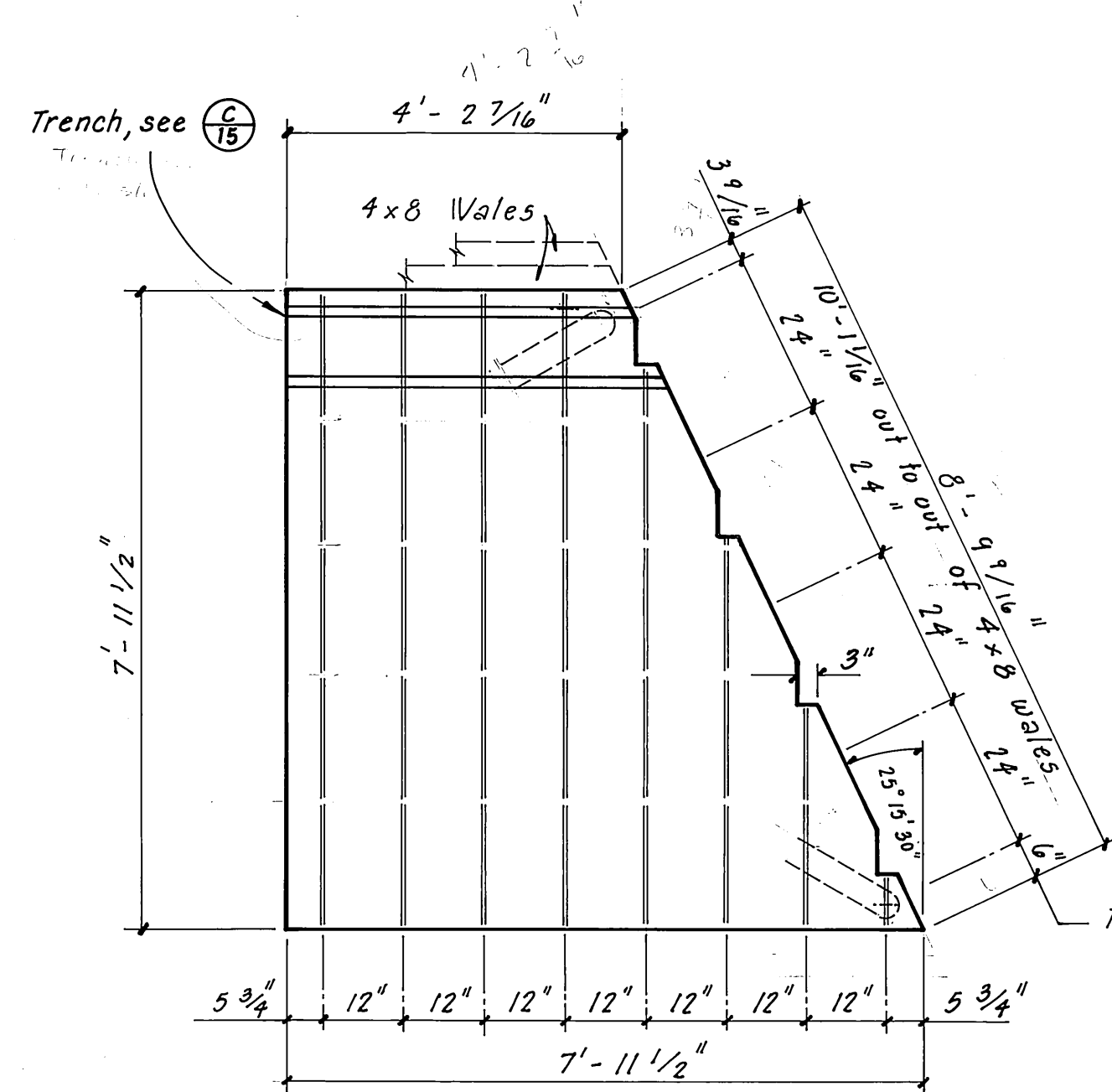
ED 001 100 001

Robert F. Beck

James A. Lowell

15	21	21
----	----	----

75 OF ~~36~~ 41



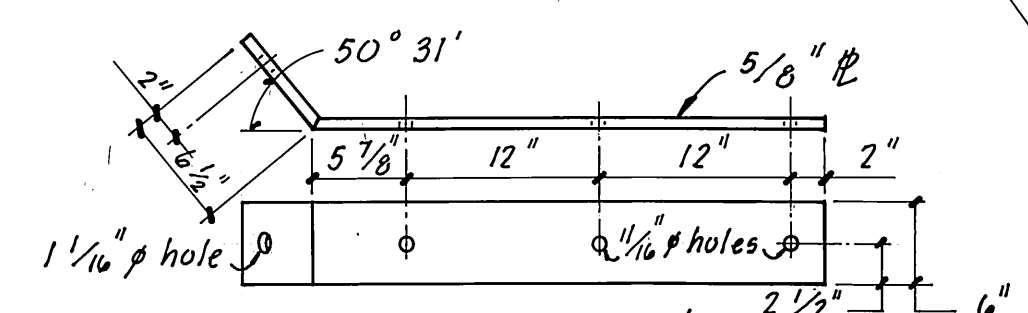
SPECIAL FLOAT UNIT A₁

1/2" = 1'-0"

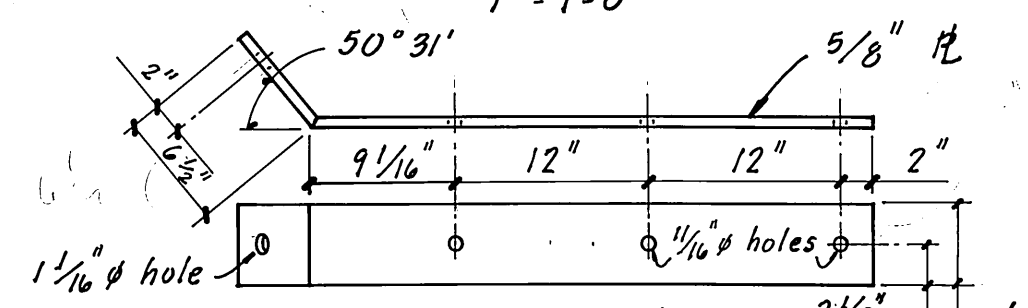
Two units req'd: one as shown (A₁) & one opposite hand w/ 12" trench (A₂).

16" #3 rebar, 2 req'd per special float unit, typ.

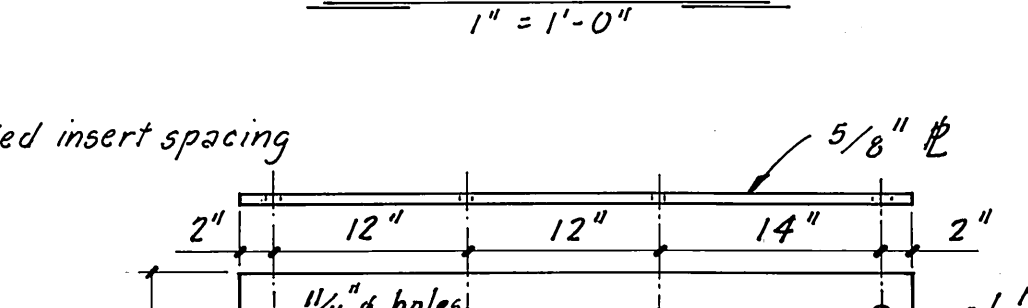
16" #3 rebar, 2 req'd per special float unit, typ., to hook over PVC tube.



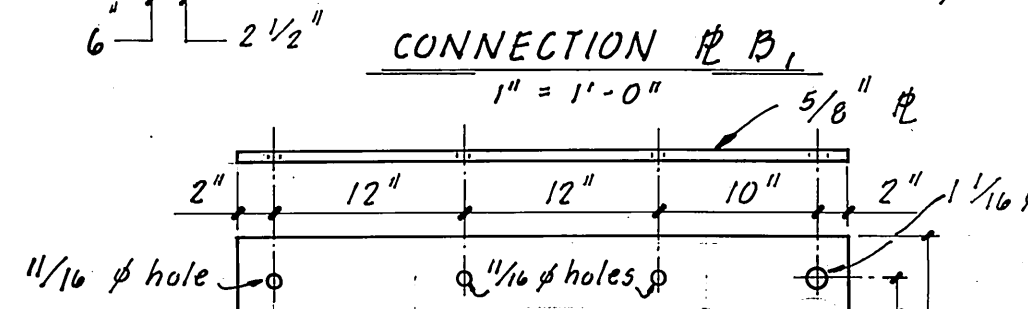
CONNECTION A₂



CONNECTION B₂

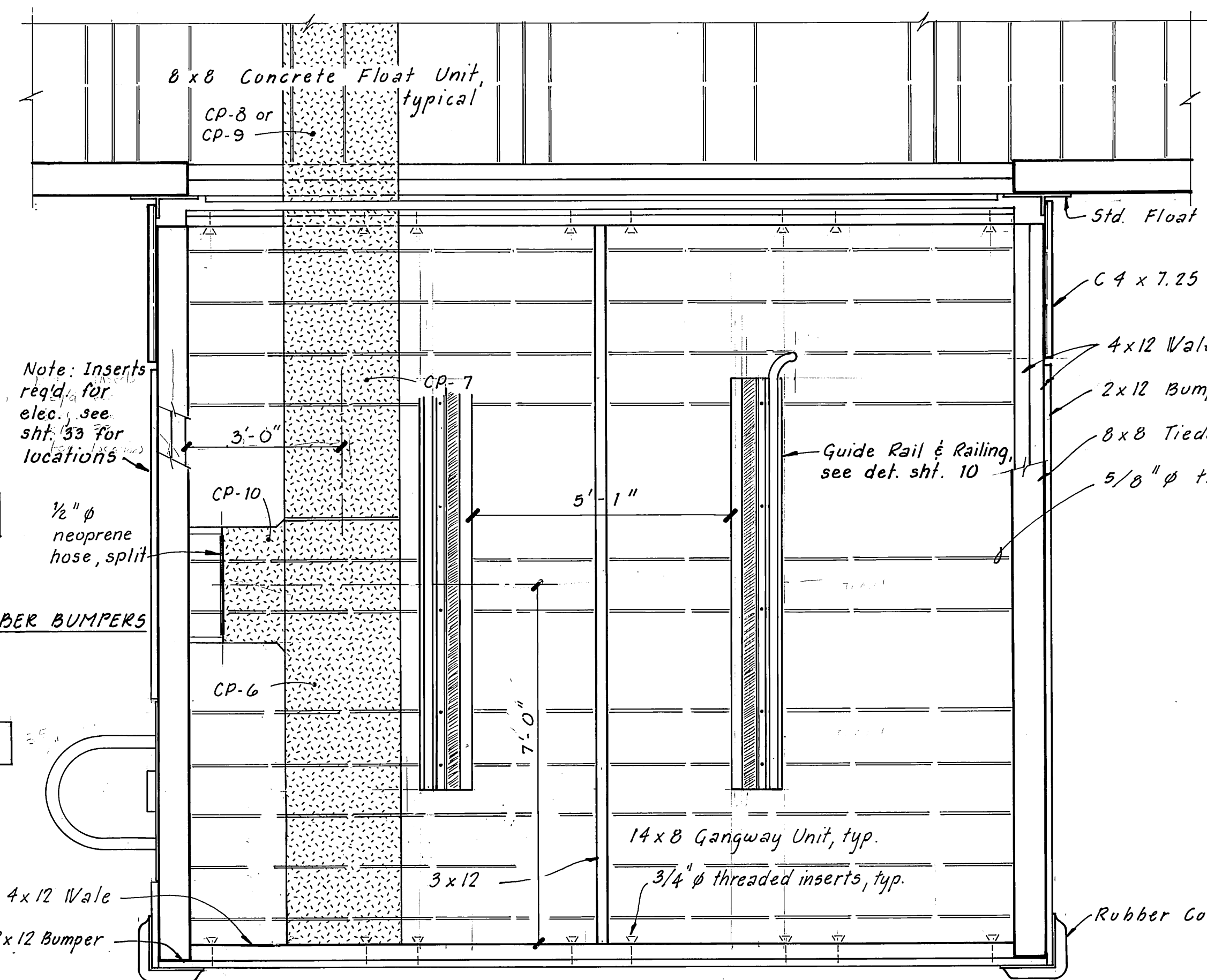
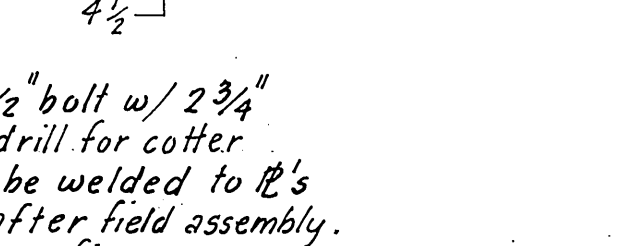
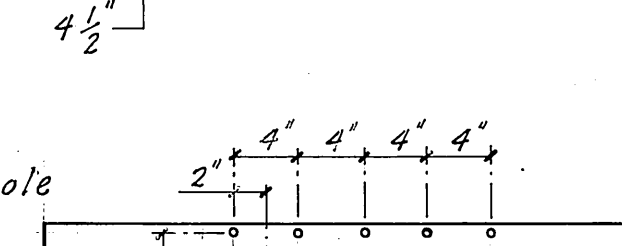
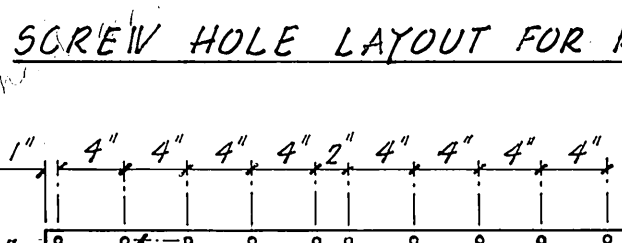
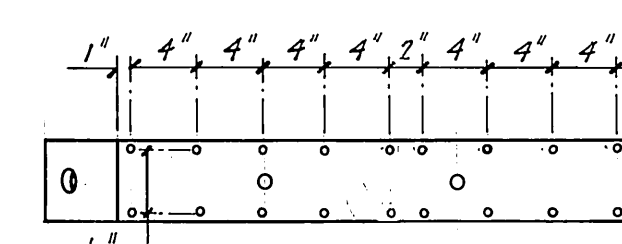
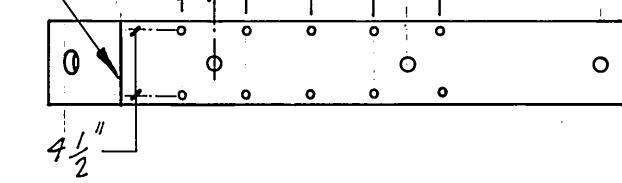


CONNECTION B₁



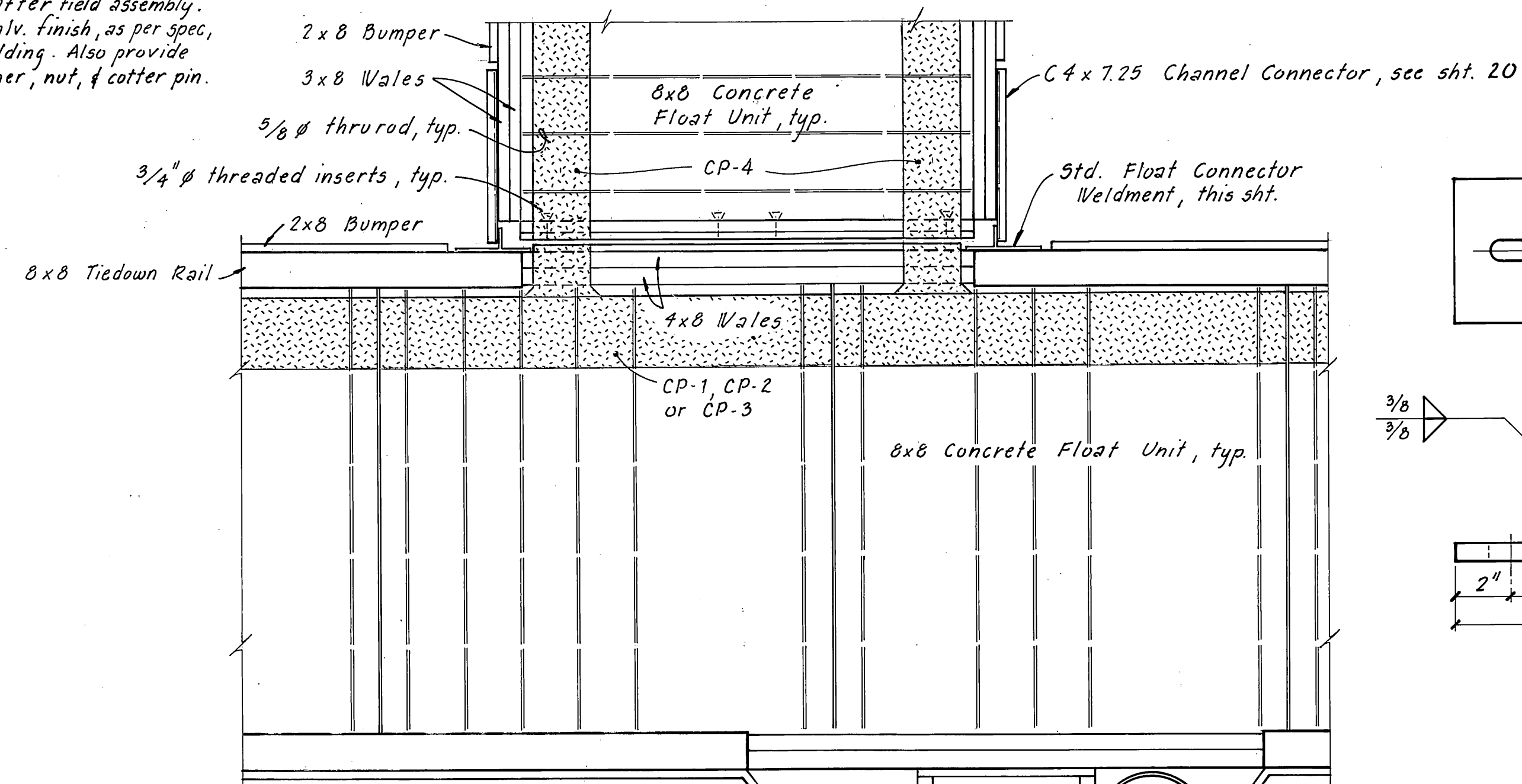
CONNECTION A₁

Note: 1" φ x 3 1/2" bolt w/ 2 3/4" thread, drill for cotter pin, is to be welded to C's A₁ & B₁ after field assembly. Repair galv. finish, as per spec, after welding. Also provide cut washer, nut, & cotter pin.



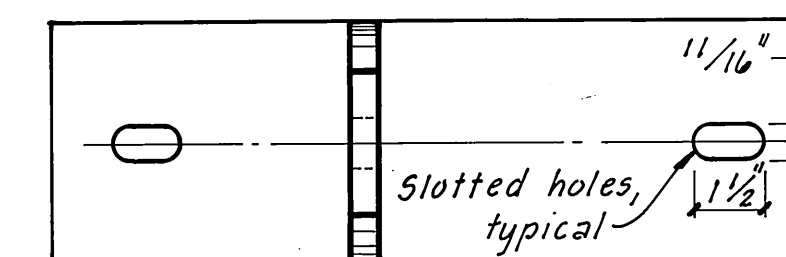
GANGWAY FLOAT TO MAIN FLOAT CONNECTION

1/2" = 1'-0"

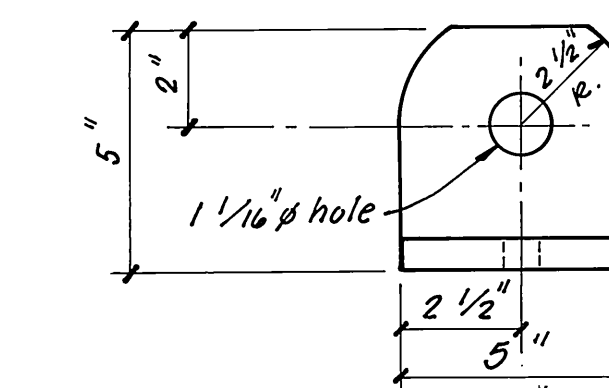
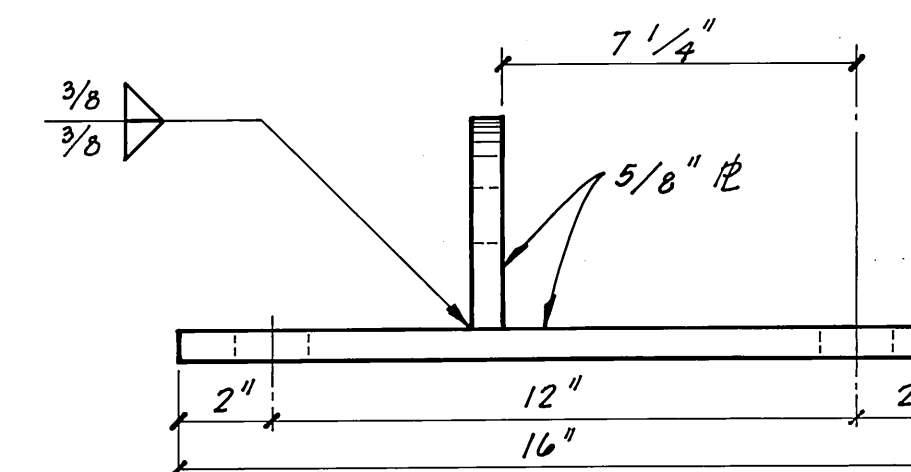


FINGER TO MAIN FLOAT CONNECTION

1/2" = 1'-0"

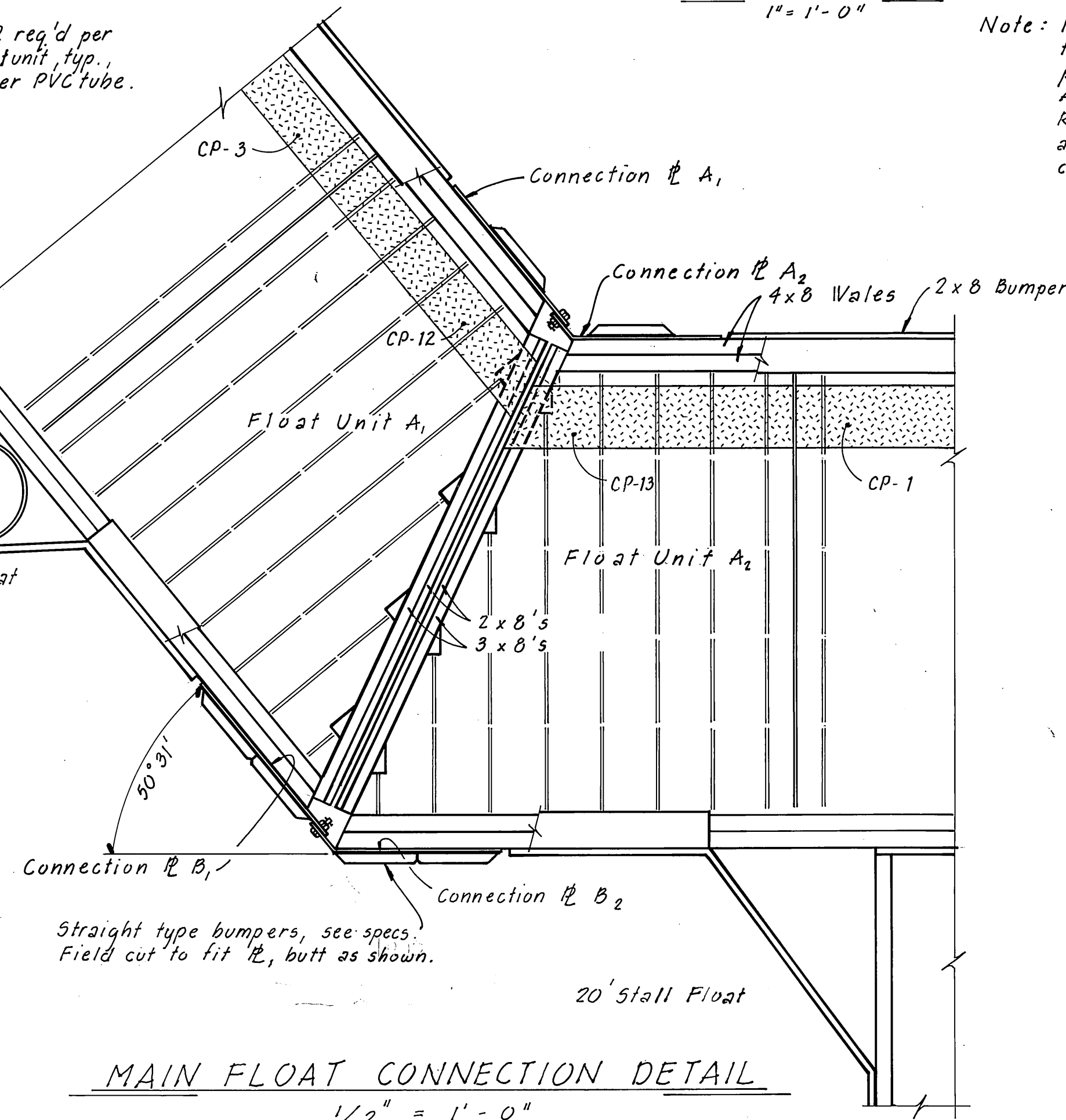


Note: 12 req'd finger float connections.
4 req'd gangway float connections.



CONNECTOR WELDMENT DETAILS

3" = 1'-0"

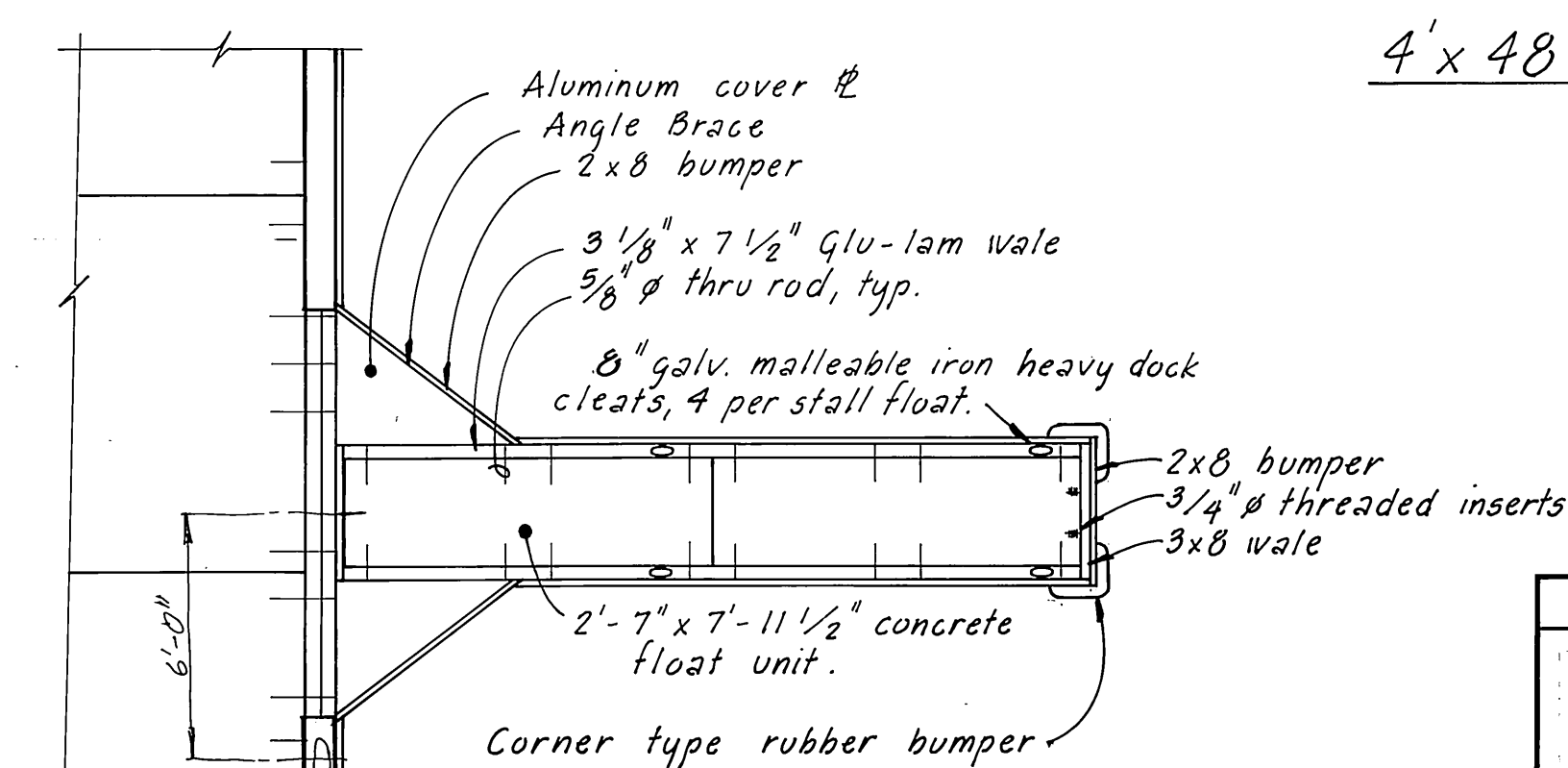
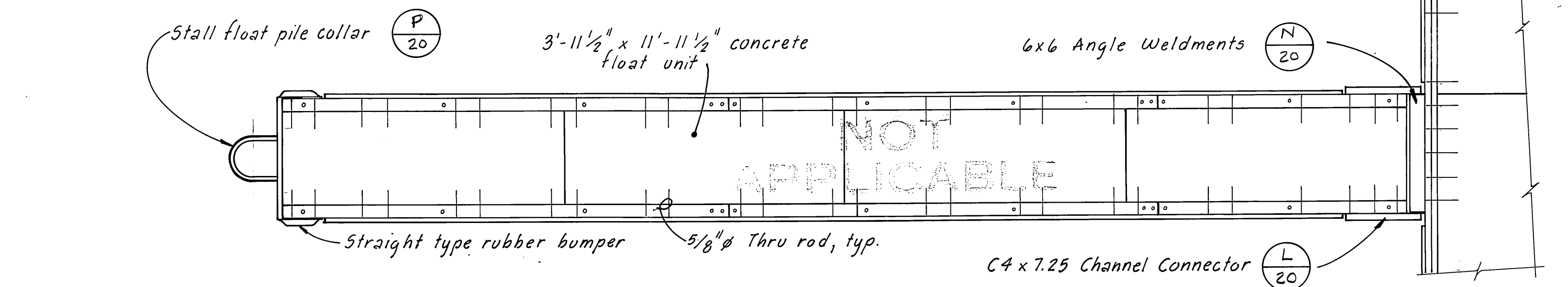
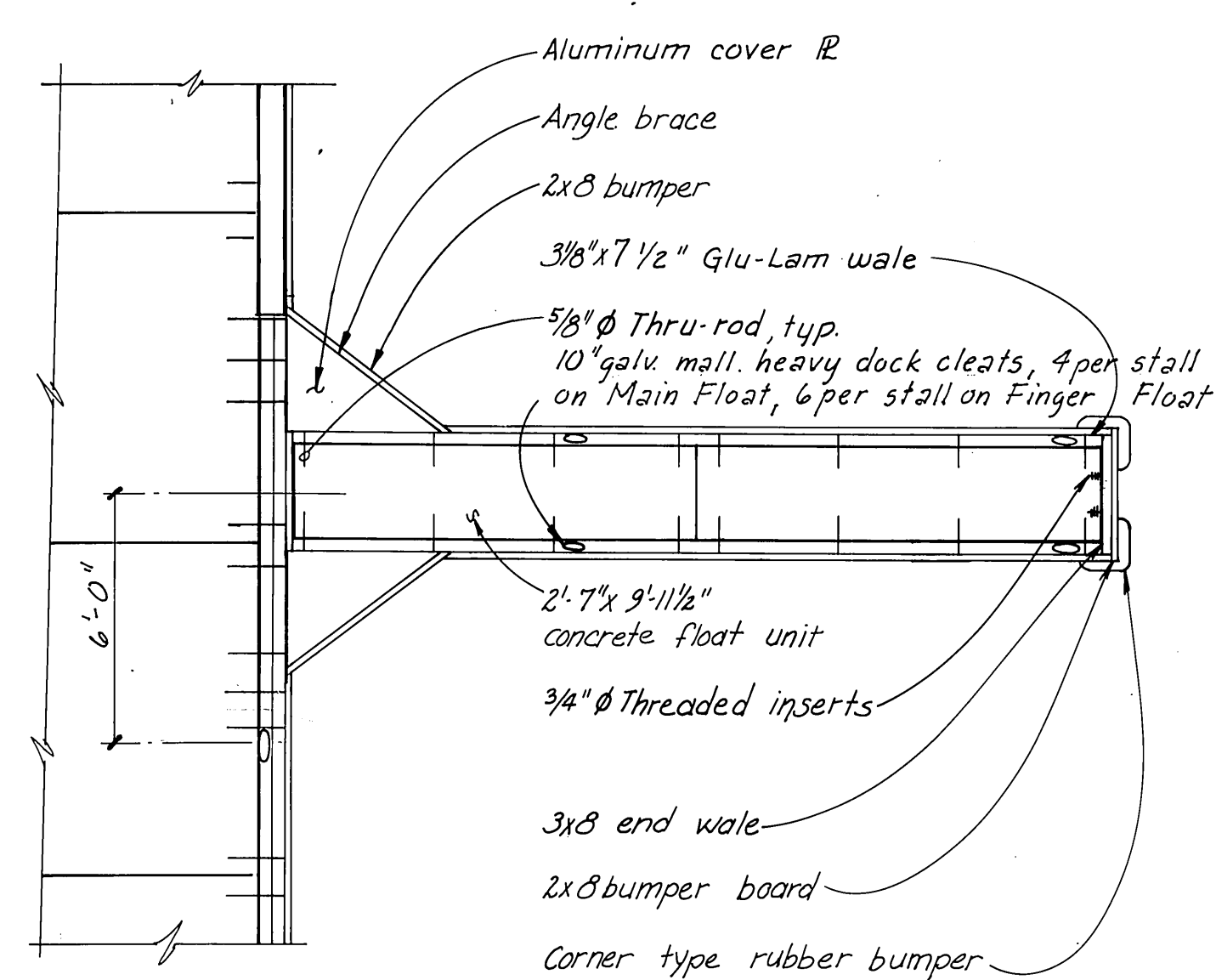
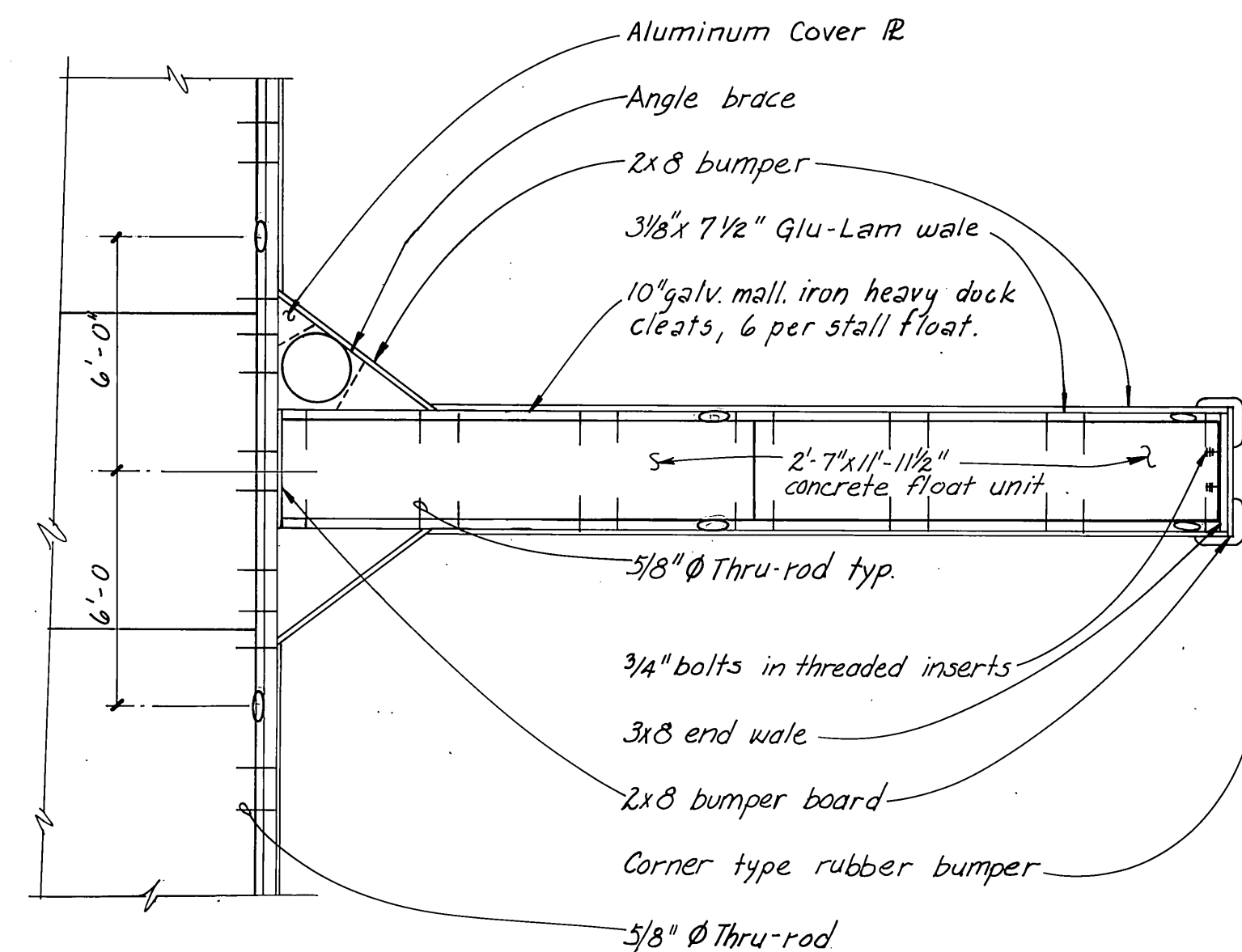
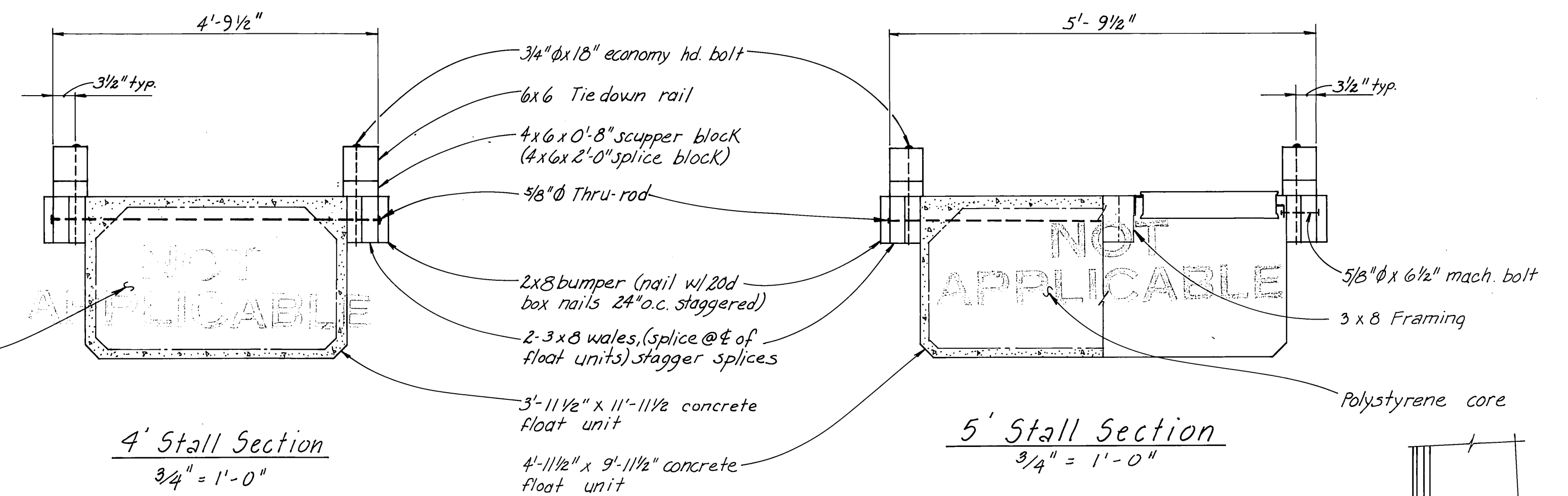
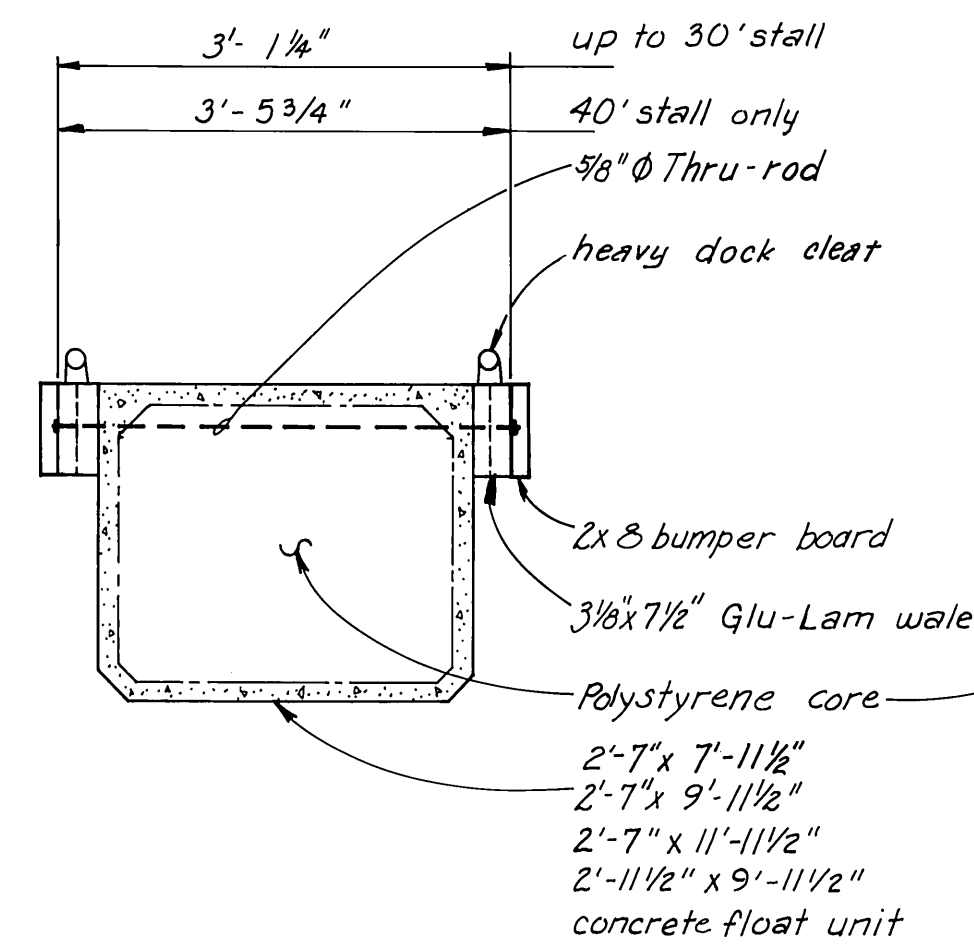
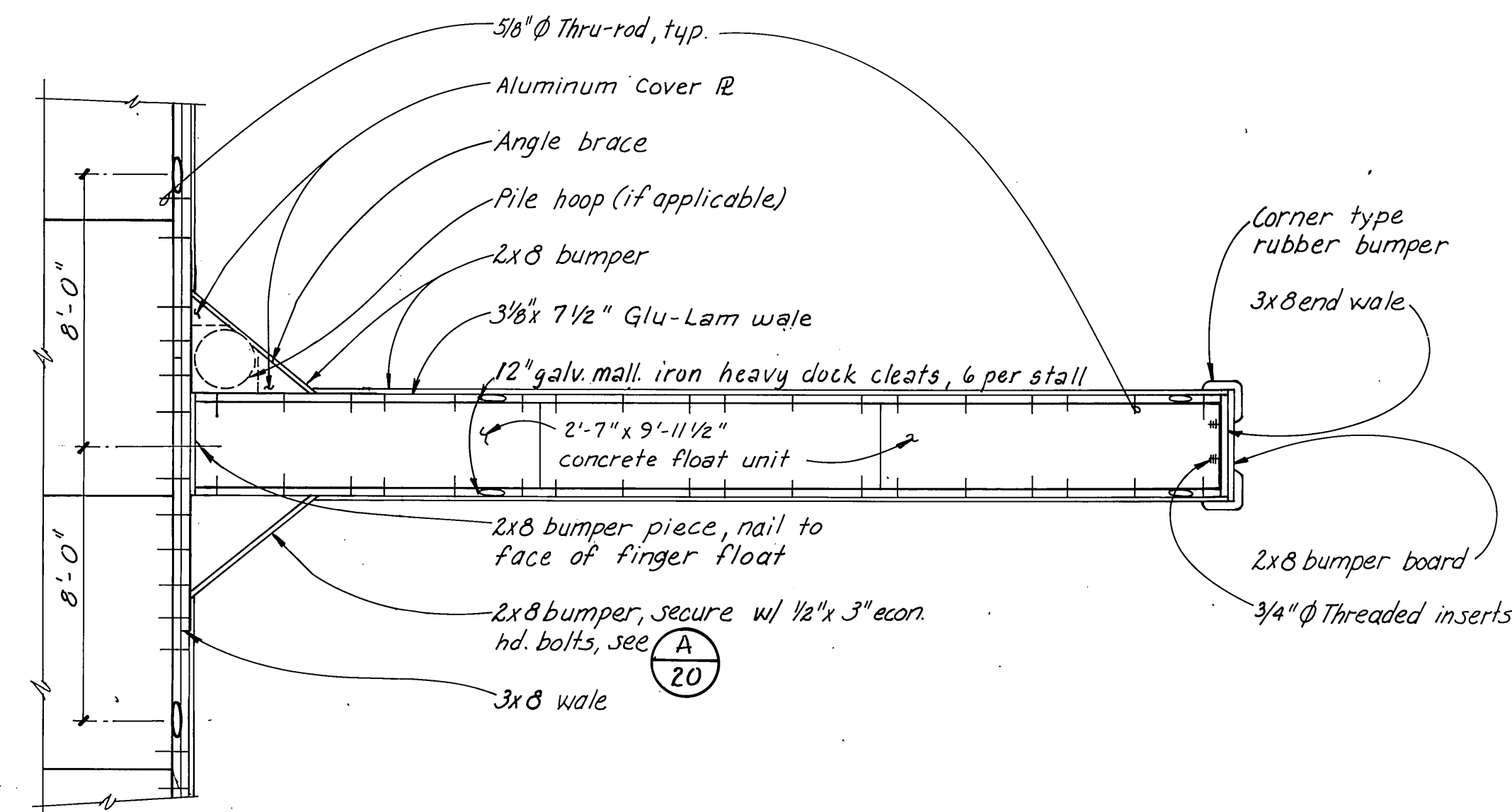
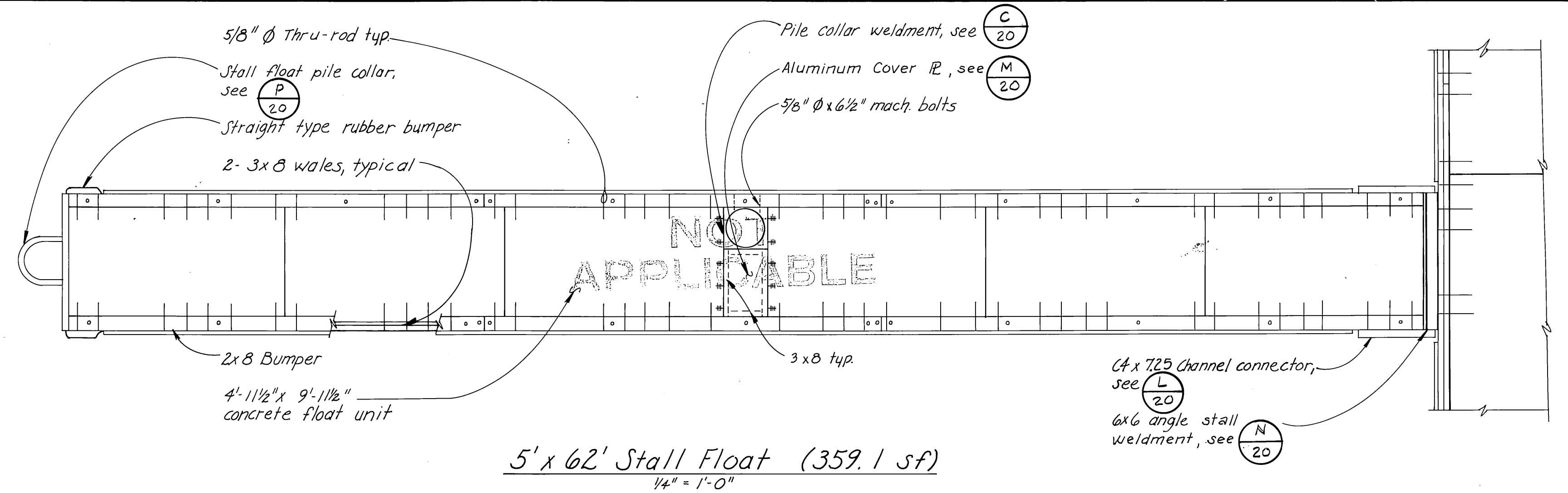
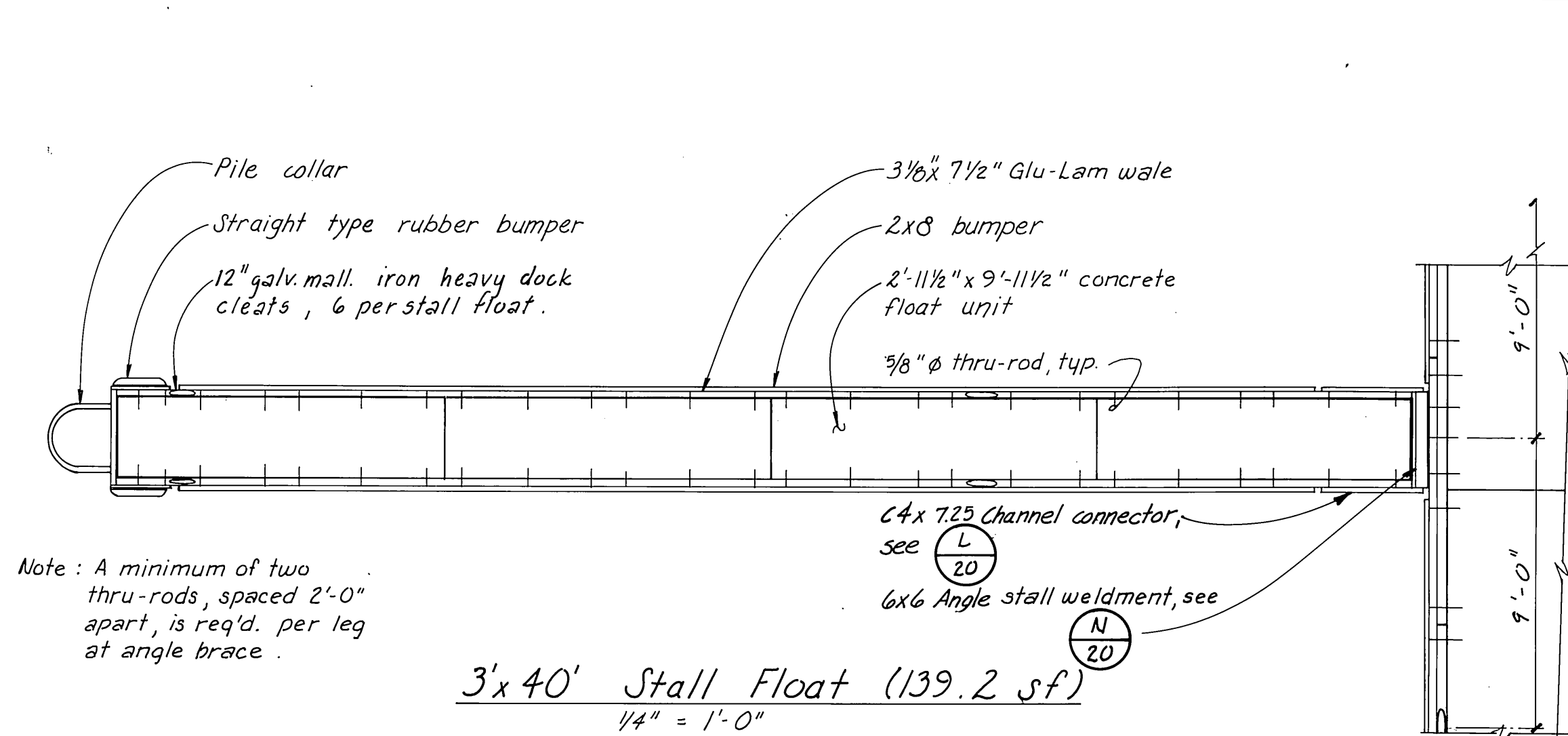


MAIN FLOAT CONNECTION DETAIL

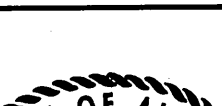
1/2" = 1'-0"

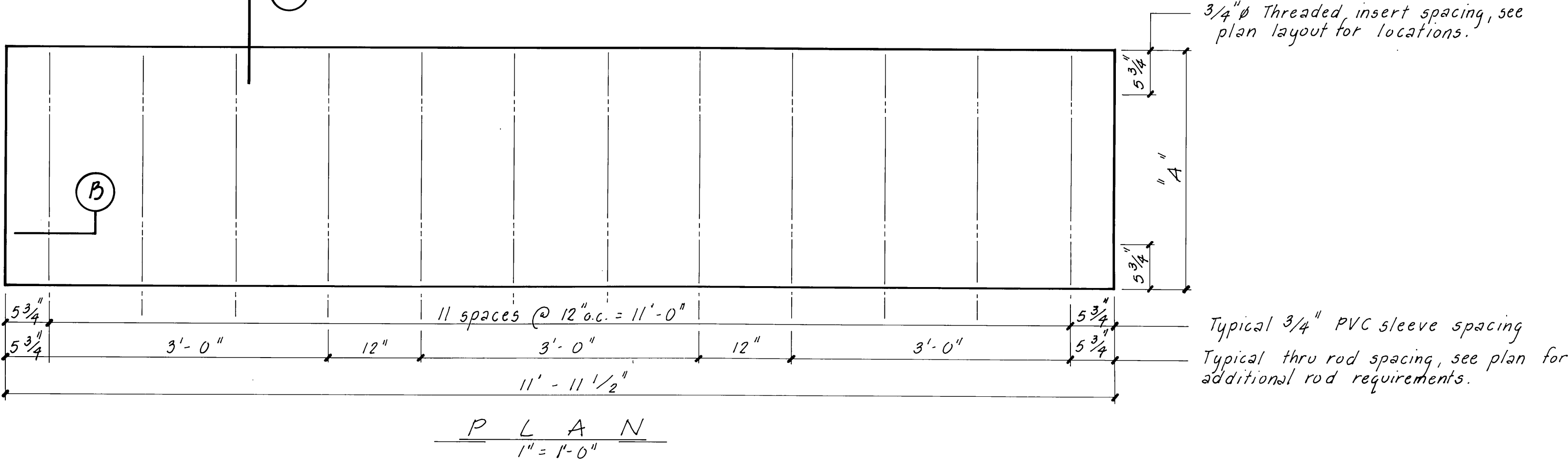
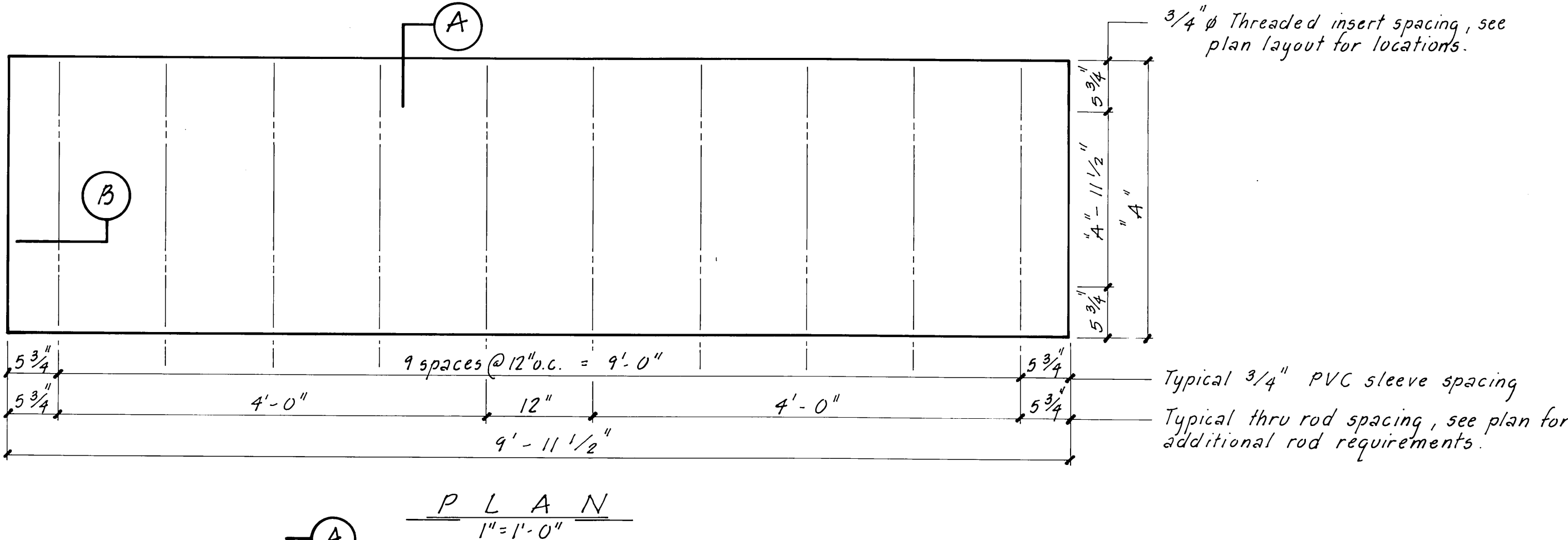
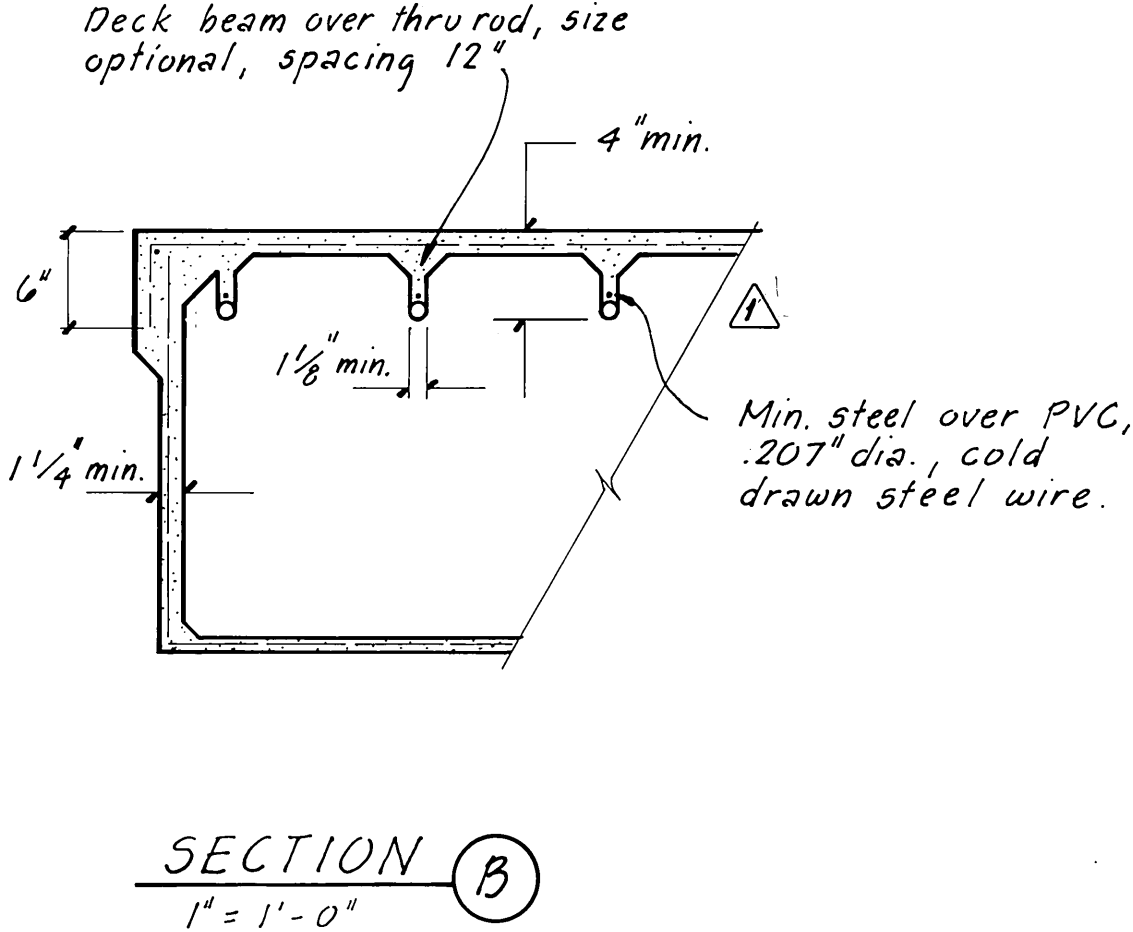
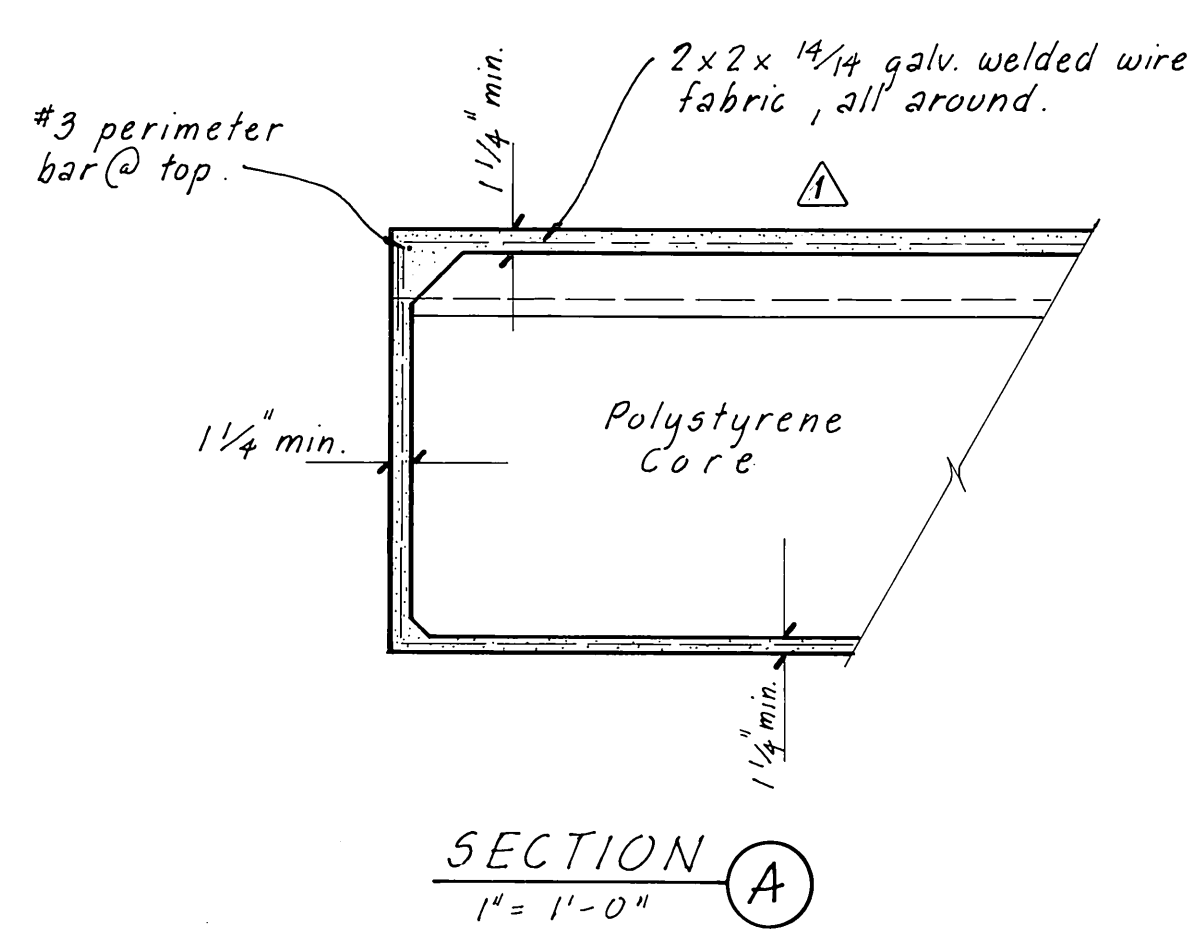
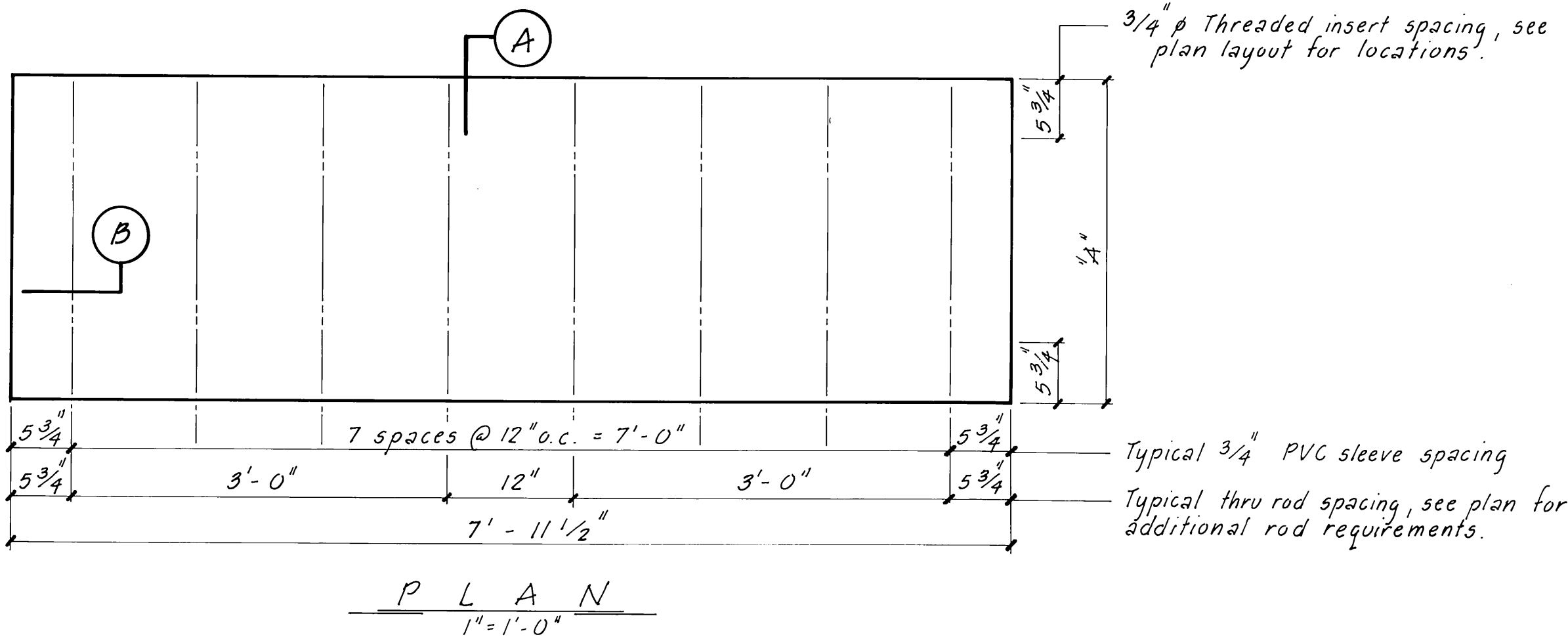
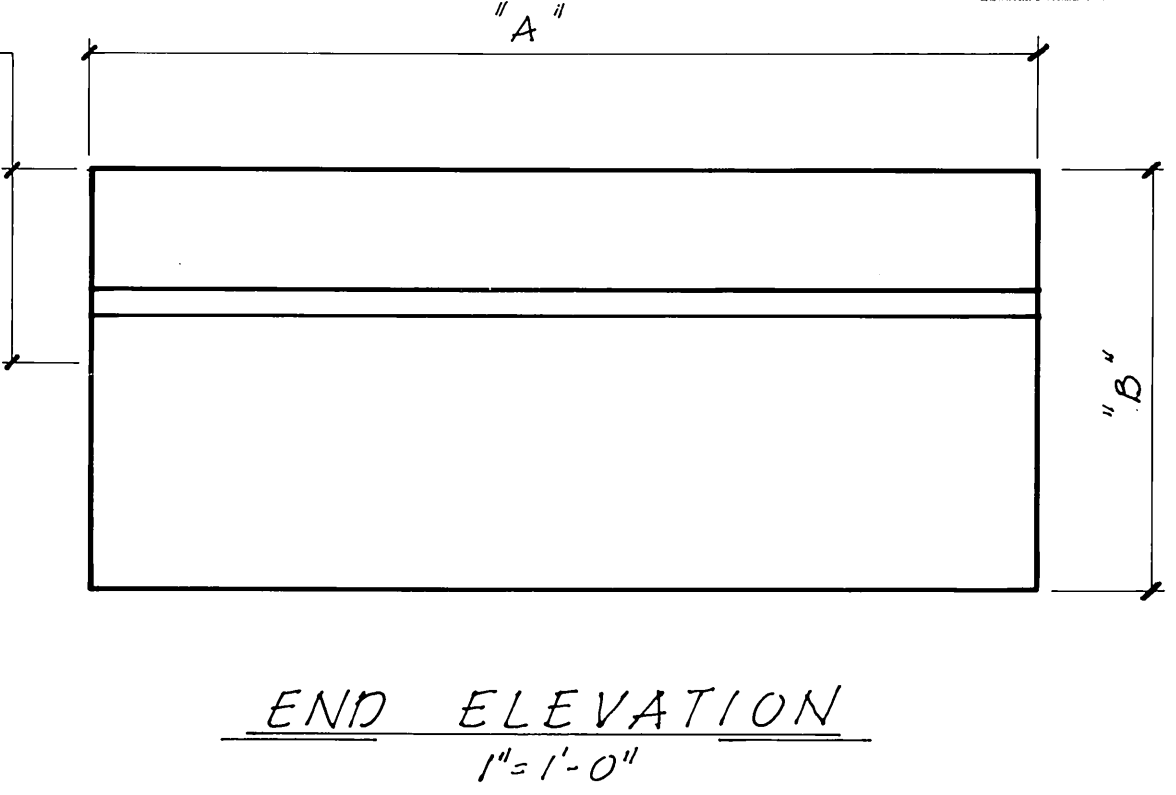
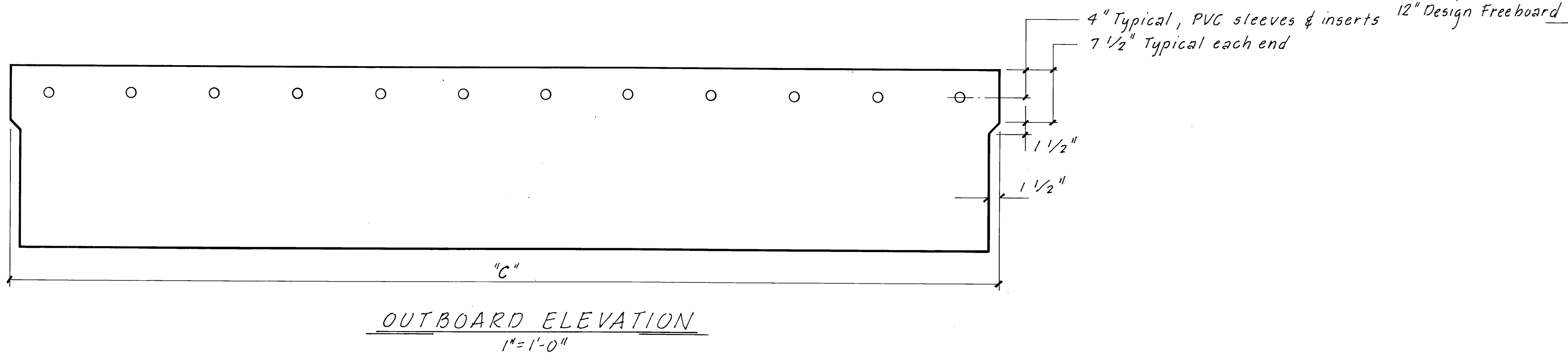
STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION	
		Sitka Japonski Harbor Alaska	
FLOAT CONNECTION DETAILS			
SCALE As Noted	SURVEYED	APPROVED Robert P. Beck	
DESIGNED	DRAWN JTM	James A. Lowell	
CHECKED JDB	DATE 9-82		
PROJECT NUMBER K 70125	1	SHEET 16 OF 36	

STAMP	DO NOT SCALE THIS DRAWING — USE DIMENSIONS		
	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION		
	Sitka Japonski Harbor		Alaska
	MISC. FLOAT DETAILS		
SCALE <u>As Noted</u> DESIGNED _____ CHECKED <u>DOB</u>	SURVEYED _____ DRAWN <u>JTM</u> DATE <u>9-82</u>	APPROVED <u>Robert P. Beck</u> <u>James A. Lowell</u>	
PROJECT NUMBER <u>K 78125</u>	SHEET <u>17</u> OF <u>36-41</u>		



STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DIVISION OF HARBOR DESIGN AND CONSTRUCTION	
		Sitka Japonski Harbor Alaska	
		TYPICAL STALL FLOATS	
SCALE: As Noted	SURVEYED: _____	APPROVED: Robert P. Beck	
DESIGNED: _____	DRAWN: SJS	James A. Lowell	
CHECKED: _____	DATE: 9.82		
PROJECT NUMBER: K 78125	SHEET 18 OF 36-41		

STAMP 	DO NOT SCALE THIS DRAWING — USE DIMENSIONS STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION <i>Sitka Japanski Harbor</i> <i>Alaska</i> TYPICAL STALL FLOAT UNITS
☐ SCALE <i>As noted</i> ☐ DESIGNED ☐ CHECKED	☐ SURVEYED ☐ DRAWN <i>JTM</i> ☐ DATE <i>9-82</i>
PROJECT NUMBER <i>K 78125</i>	APPROVED <i>Robert P. Beck</i> <i>James A. Lowell</i> SHEET <i>19</i> OF <i>36-41</i>



General Notes
① Pontoon supplier to provide float unit w/ required freeboard. Allow 16.4 lbs. per lin. ft. for 3' wide float and 26.0 lbs. per lin. ft. for 4' & 5' wide floats for wales & bumpers.

DIMENSIONS				IMMERSION CONSTANT
Nom. Float	"A"	"B"	"C"	Pounds per lineal feet
3 x 8	2'-7"	Note ①	7'-11 1/2"	13.4
3 x 10	2'-7"	" "	9'-11 1/2"	13.4
3 x 12	2'-7"	" "	11'-11 1/2"	13.4
3 x 10	2'-11 1/2"	" "	9'-11 1/2"	15.4
4 x 12	3'-11 1/2"	" "	11'-11 1/2"	20.6
5 x 10	4'-11 1/2"	" "	9'-11 1/2"	25.6

Design Freeboard 12"
Maximum Freeboard 14"
Minimum Freeboard 11"

STAMP

DO NOT SCALE THIS DRAWING - USE DIMENSIONS

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

Sitka Japonski Harbor Alaska

TYPICAL STALL FLOAT UNITS

SCALE As noted

DESIGNED

CHECKED

PROJECT NUMBER K 78125

SURVEYED

DRAWN JTM

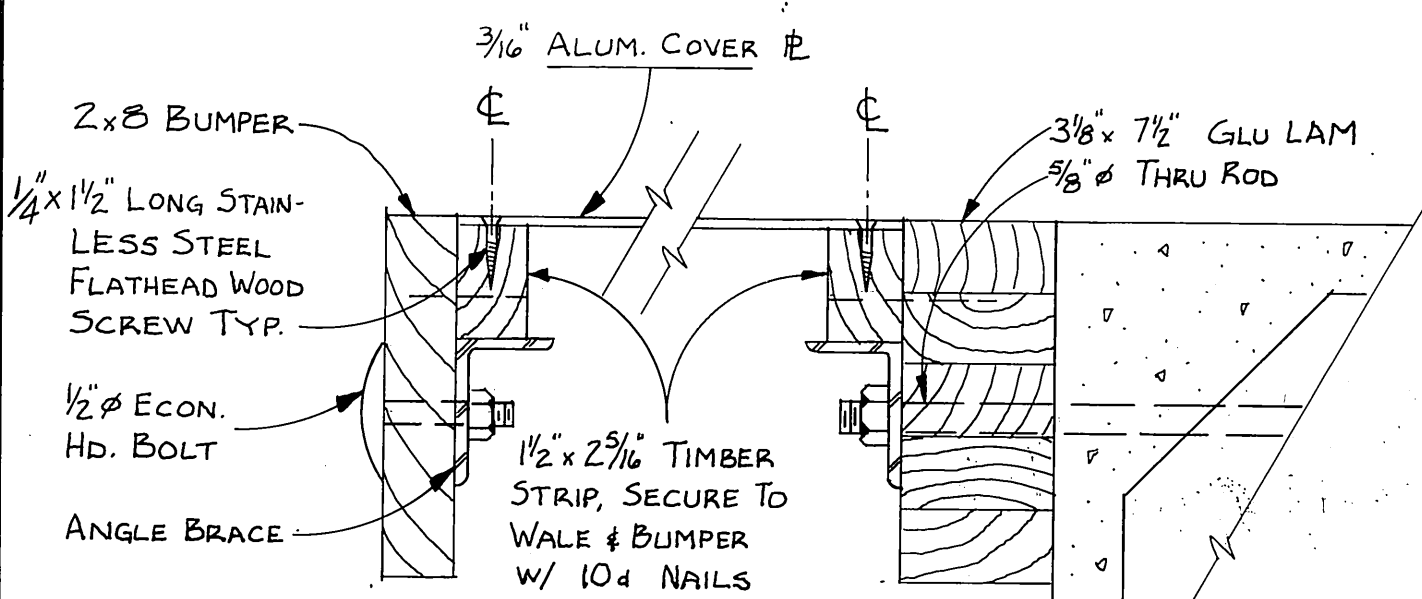
DATE 9-82

SHEET 19A OF 36 41

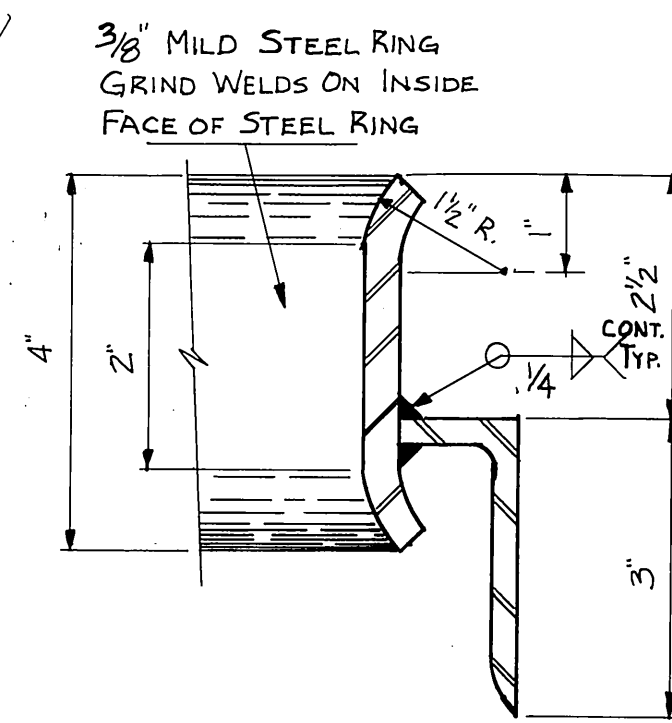
APPROVED

Robert P. Beck

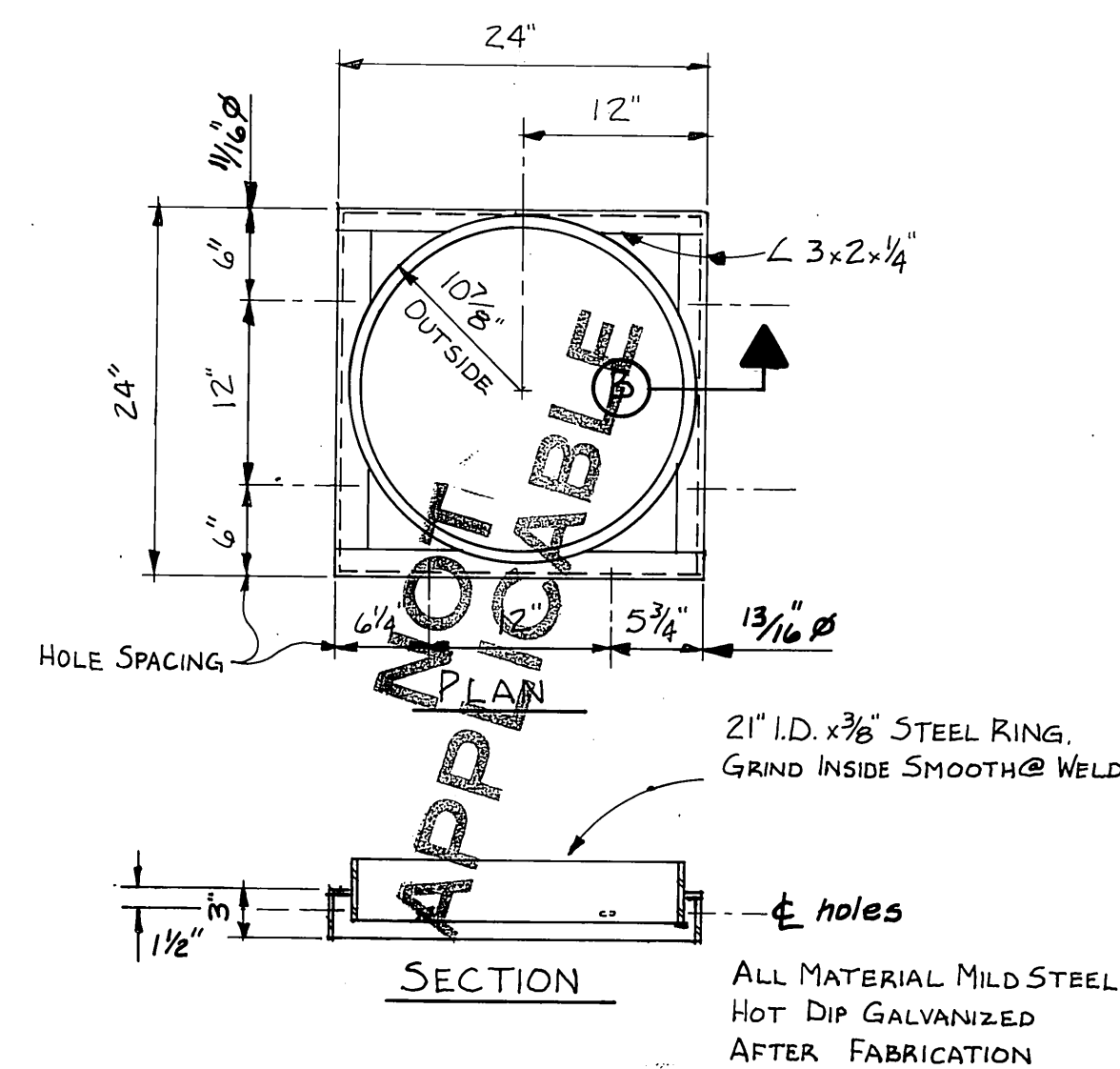
James A. Lowell



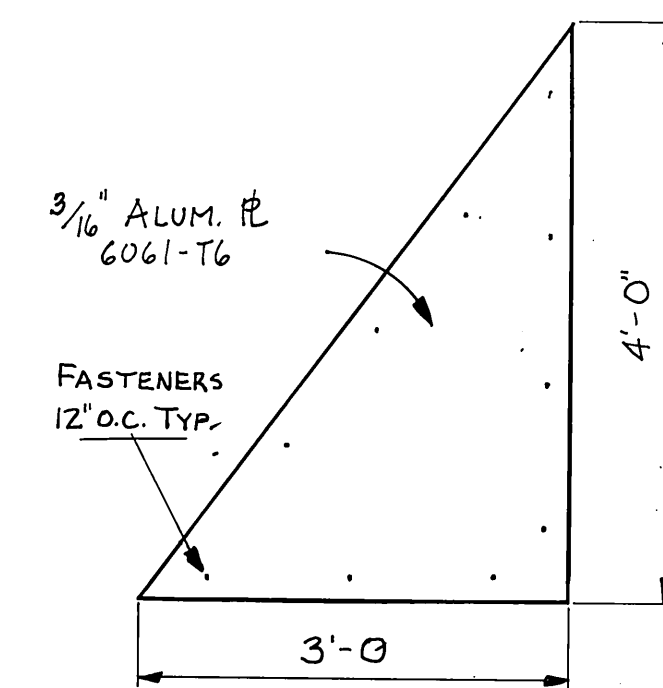
ANGLE BRACE SECTION A
3" = 1'-0"



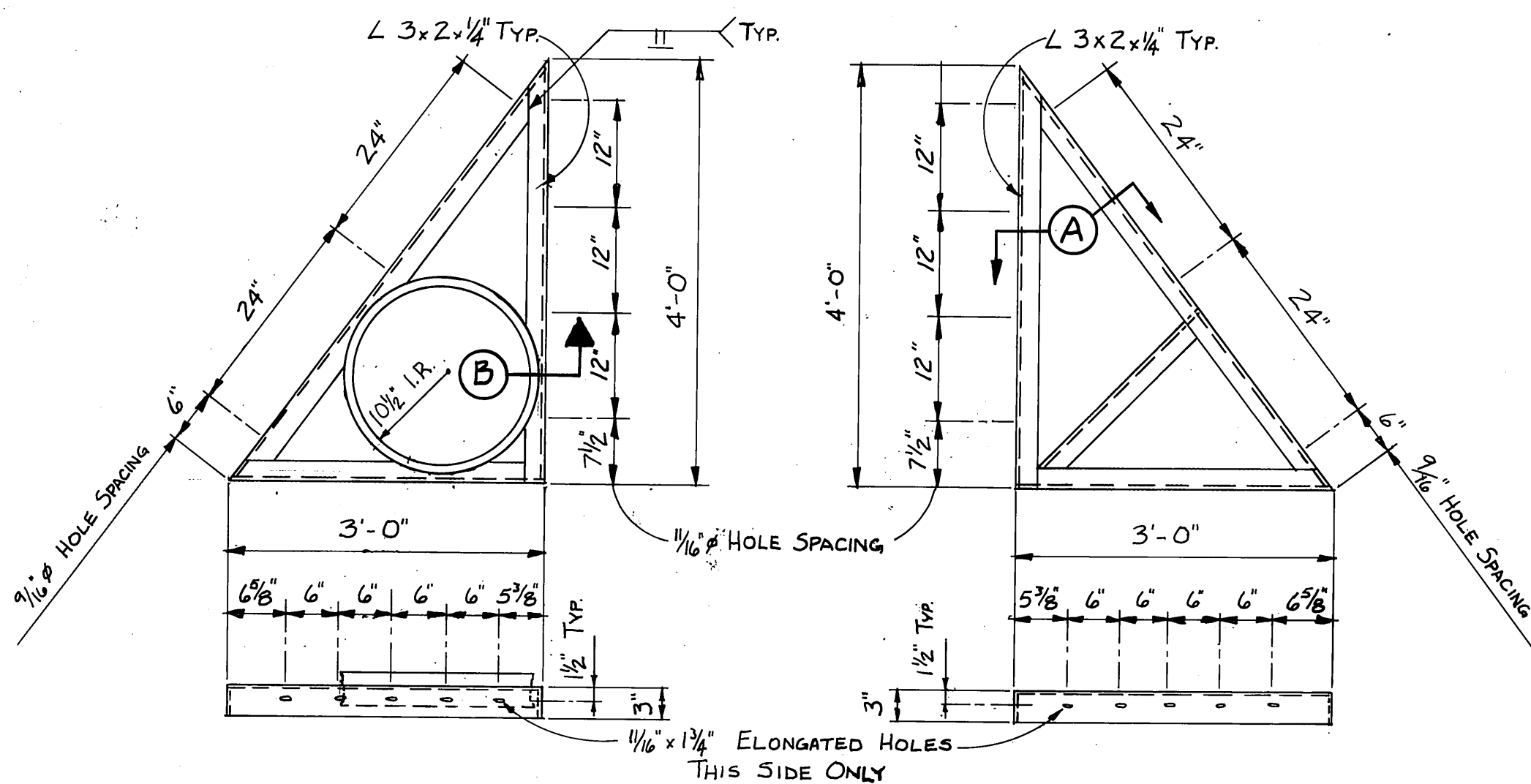
SECTION B
HALF SIZE



PILE COLLAR WELDMENT DETAILS C
1" = 1'-0"



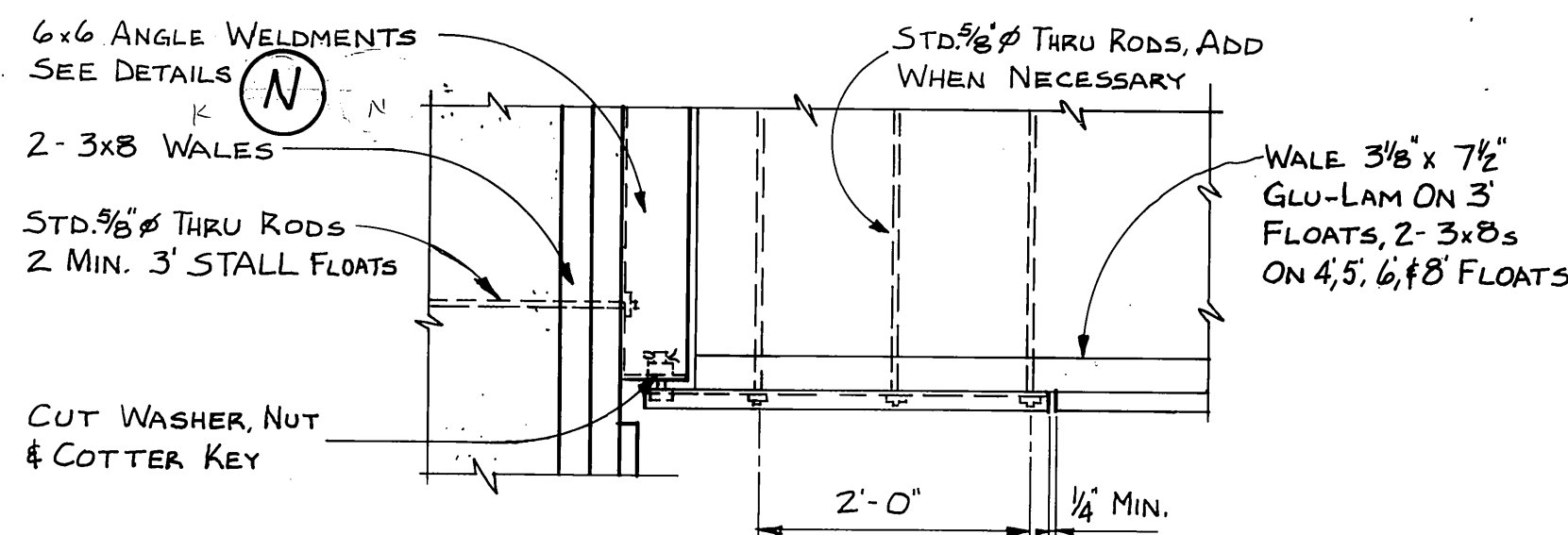
ANGLE BRACE COVER PLATE H
3/4" = 1'-0"



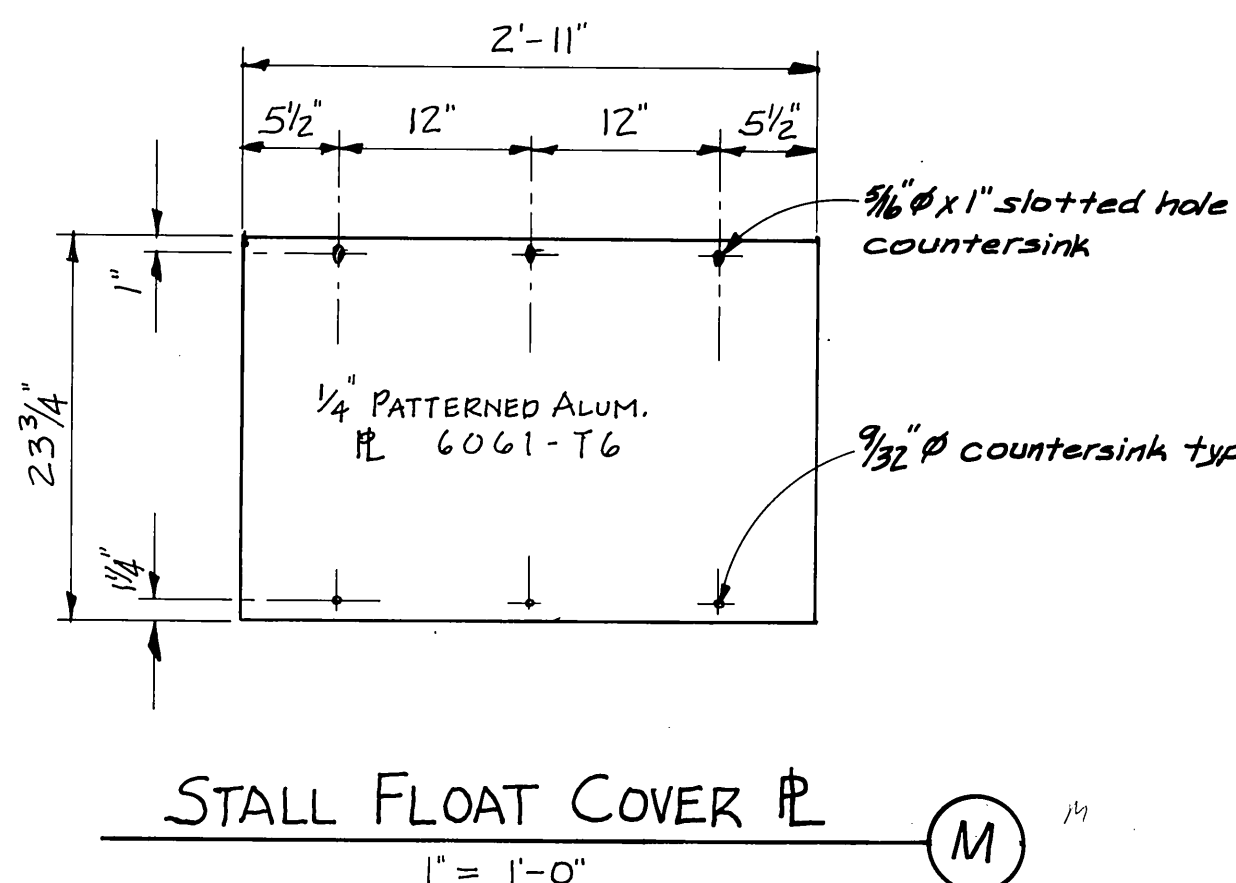
WITH PILE COLLAR

WITHOUT PILE COLLAR (OPPOSITE HAND SIMILAR)

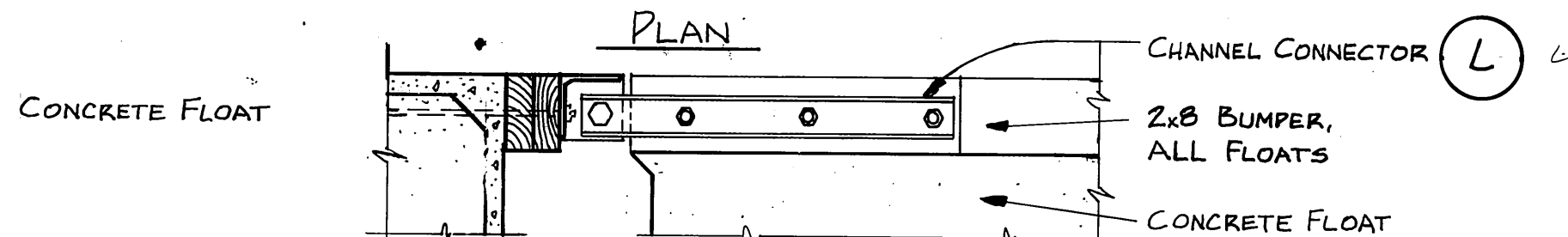
ANGLE BRACE G
3/4" = 1'-0"



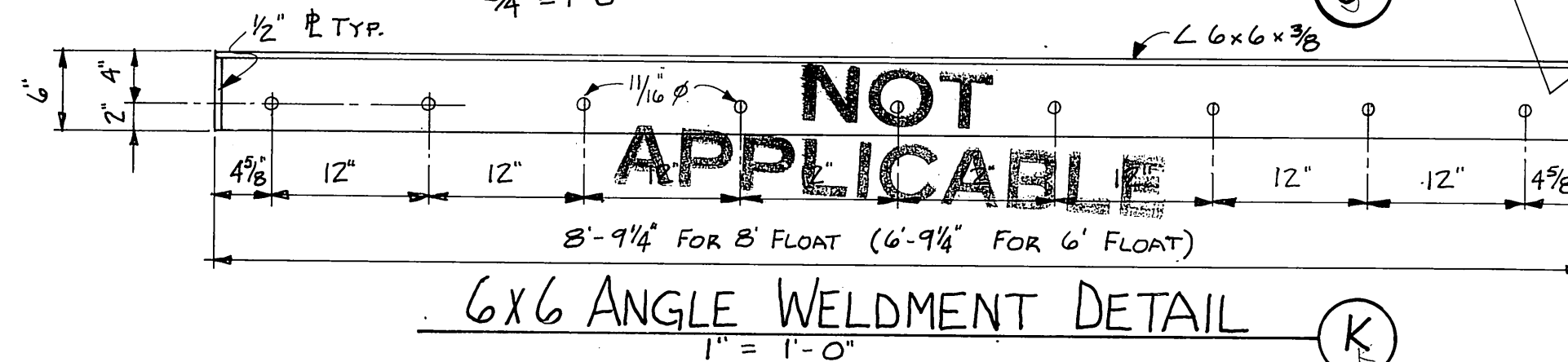
C4x7.25 CHANNEL CONNECTOR L
1" = 1'-0"



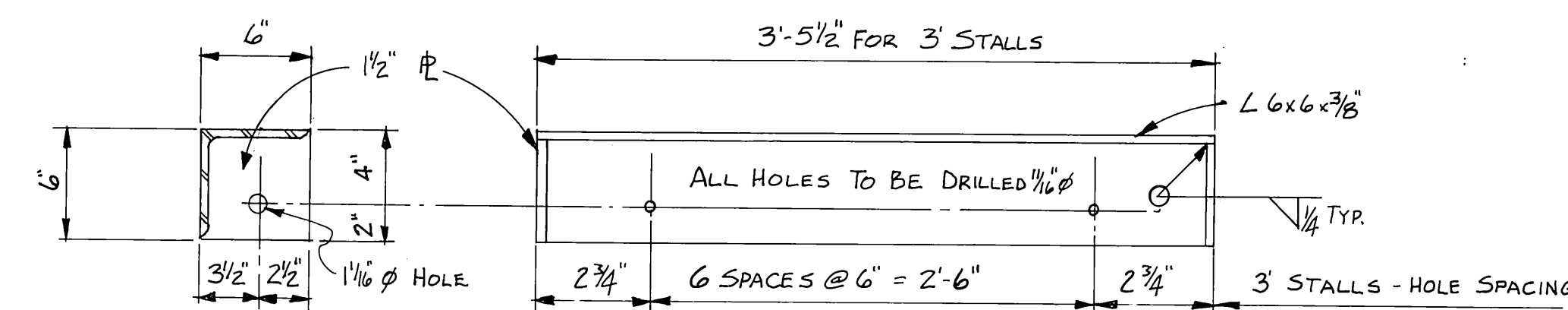
STALL FLOAT COVER M
1" = 1'-0"



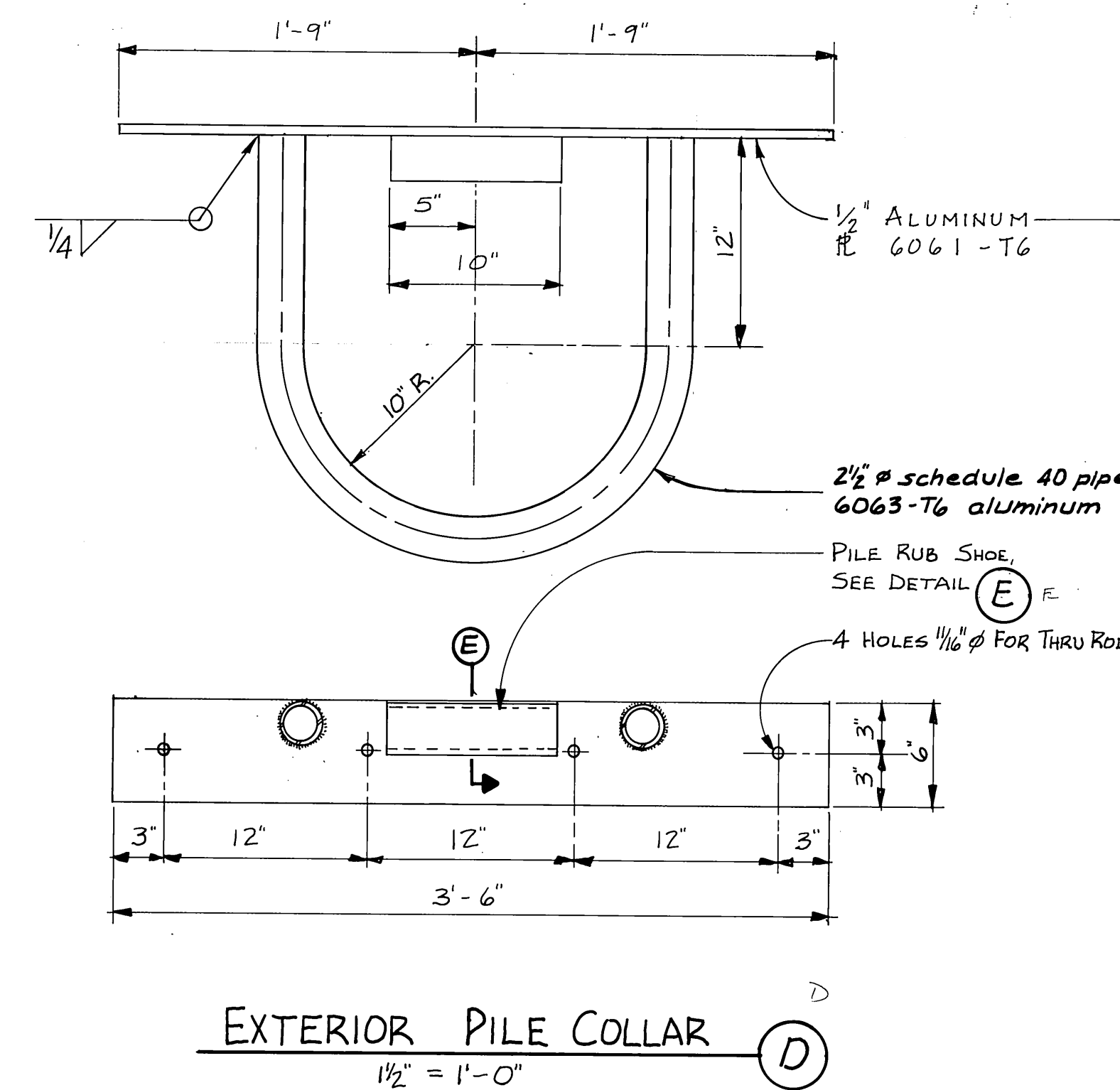
CONC. FLOATS HINGE CONNECTION DETAILS J
3/4" = 1'-0"



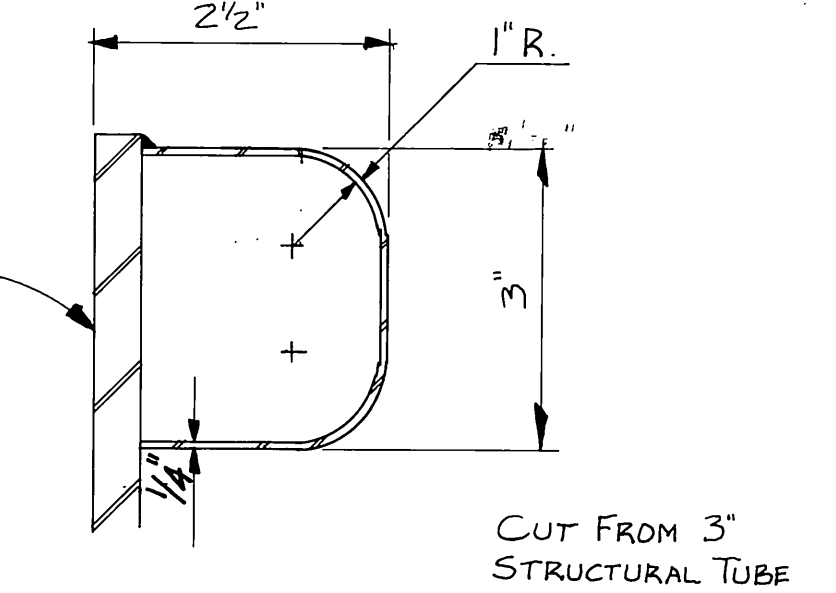
6x6 ANGLE WELDMENT DETAIL K
1" = 1'-0"



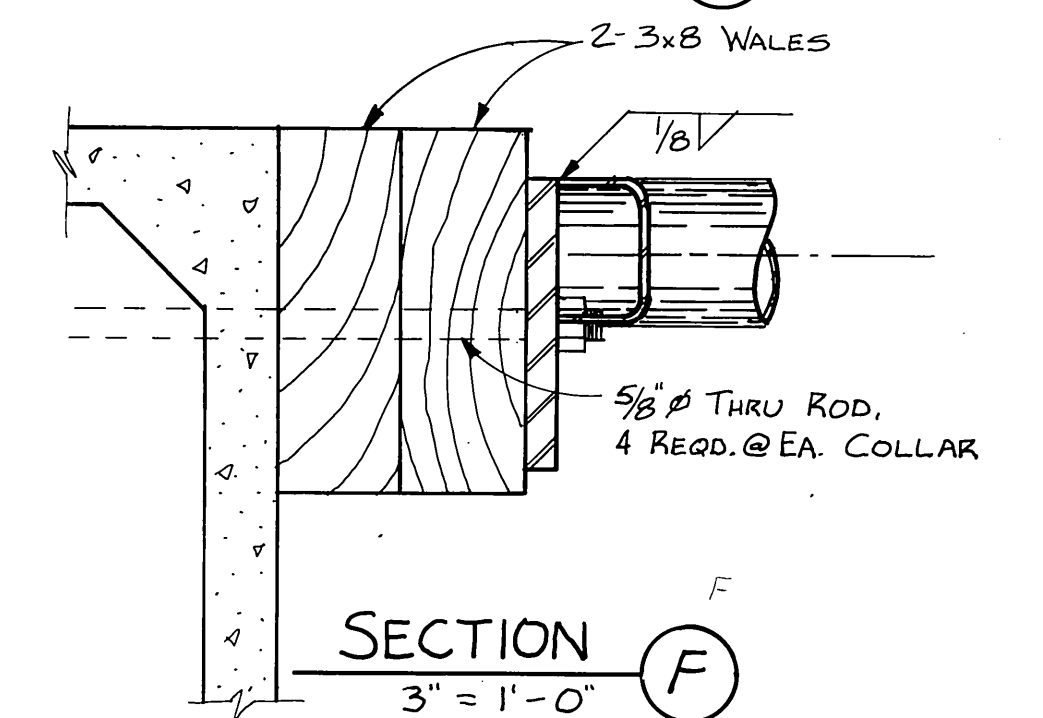
6x6 L STALL WELDMENT DETAIL N
1 1/2" = 1'-0"



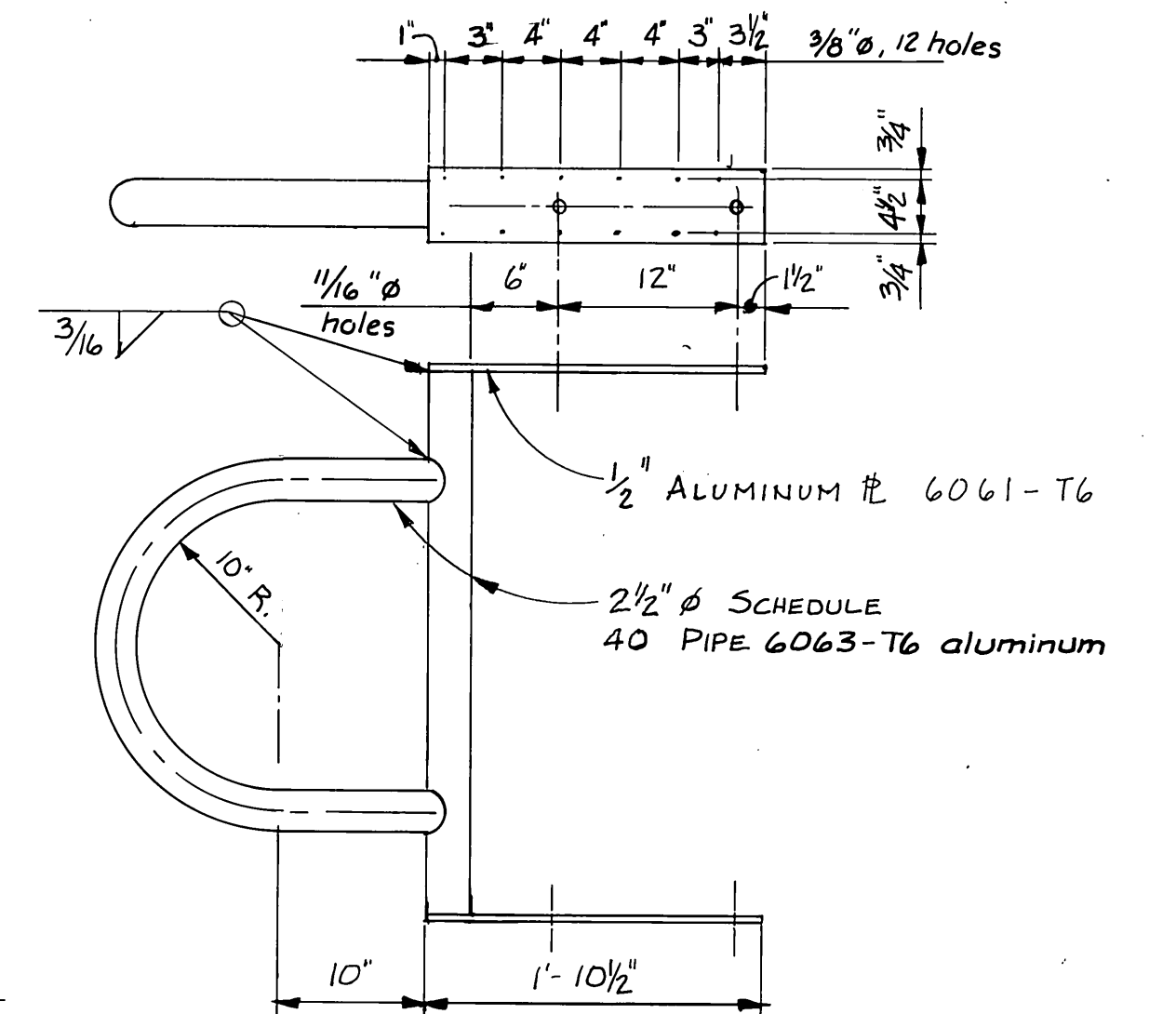
EXTERIOR PILE COLLAR D
1 1/2" = 1'-0"



RUB SHOE DETAIL E
HALF SIZE

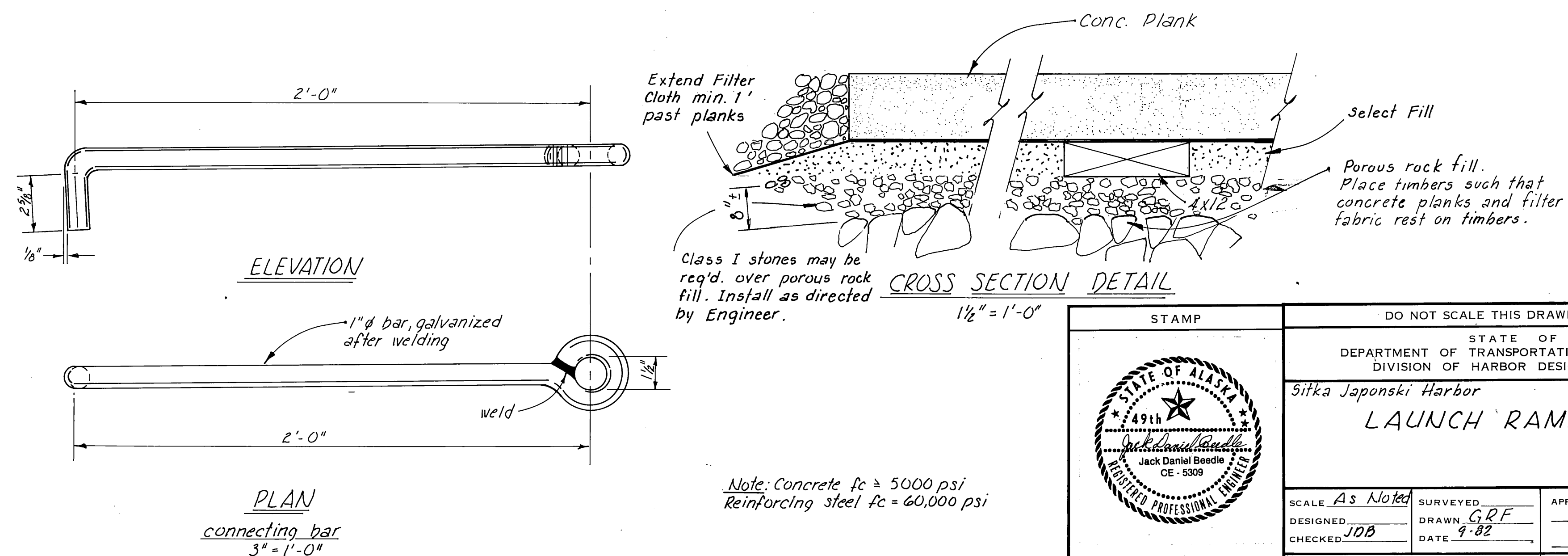
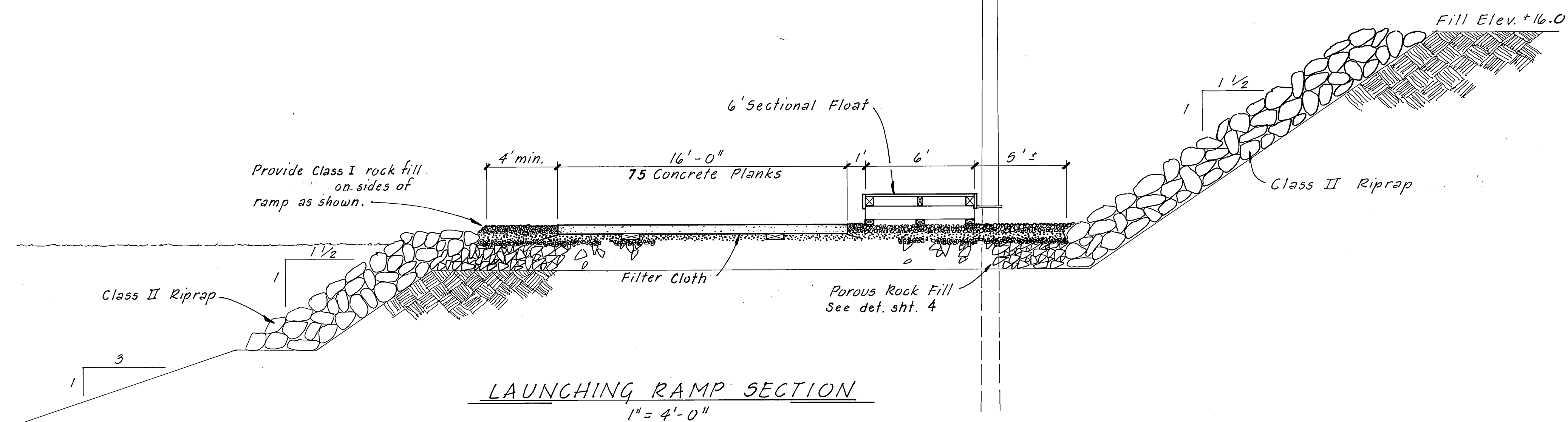
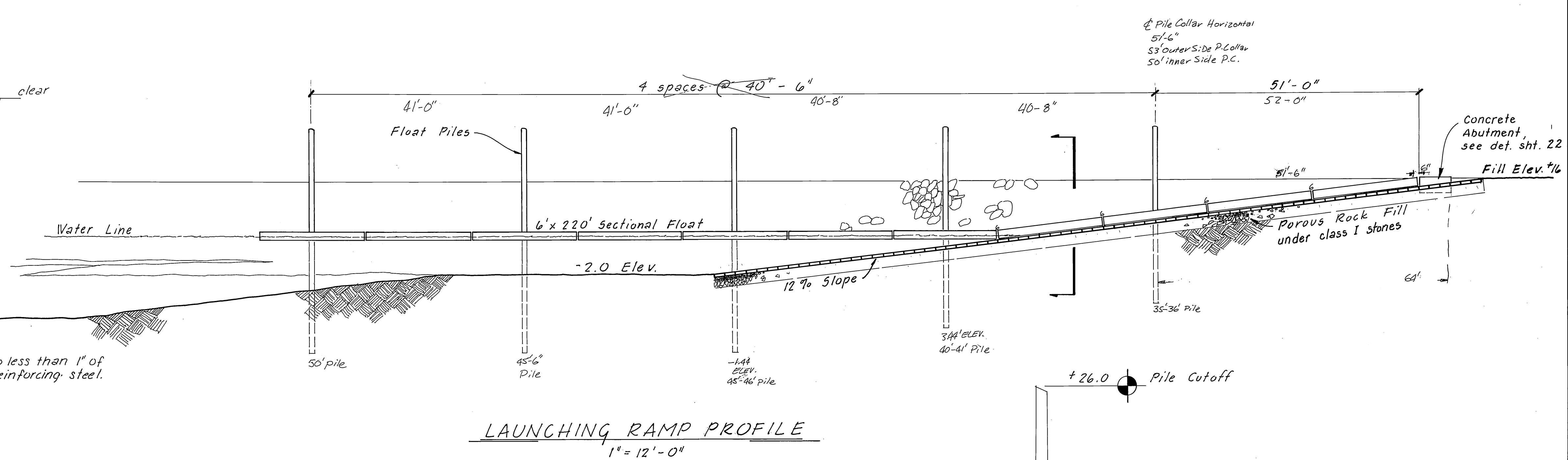
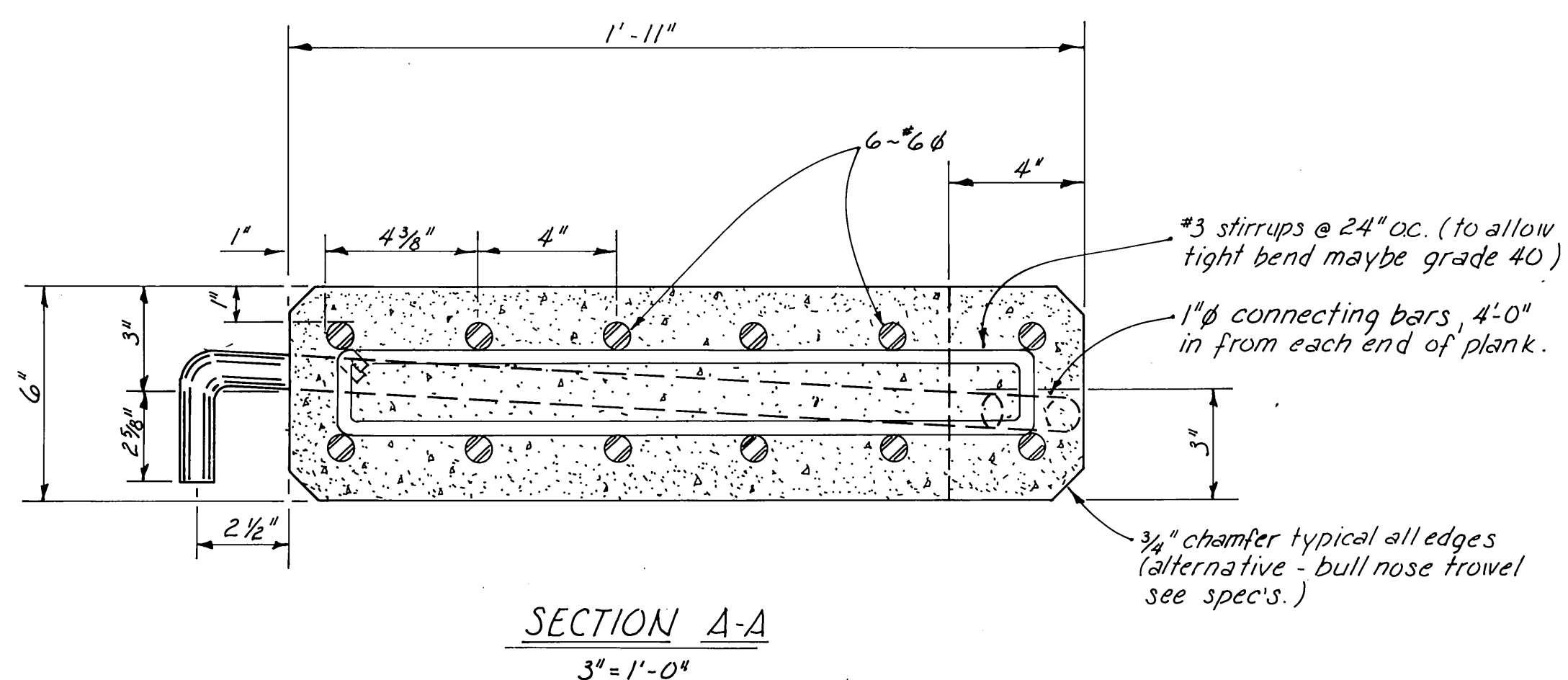
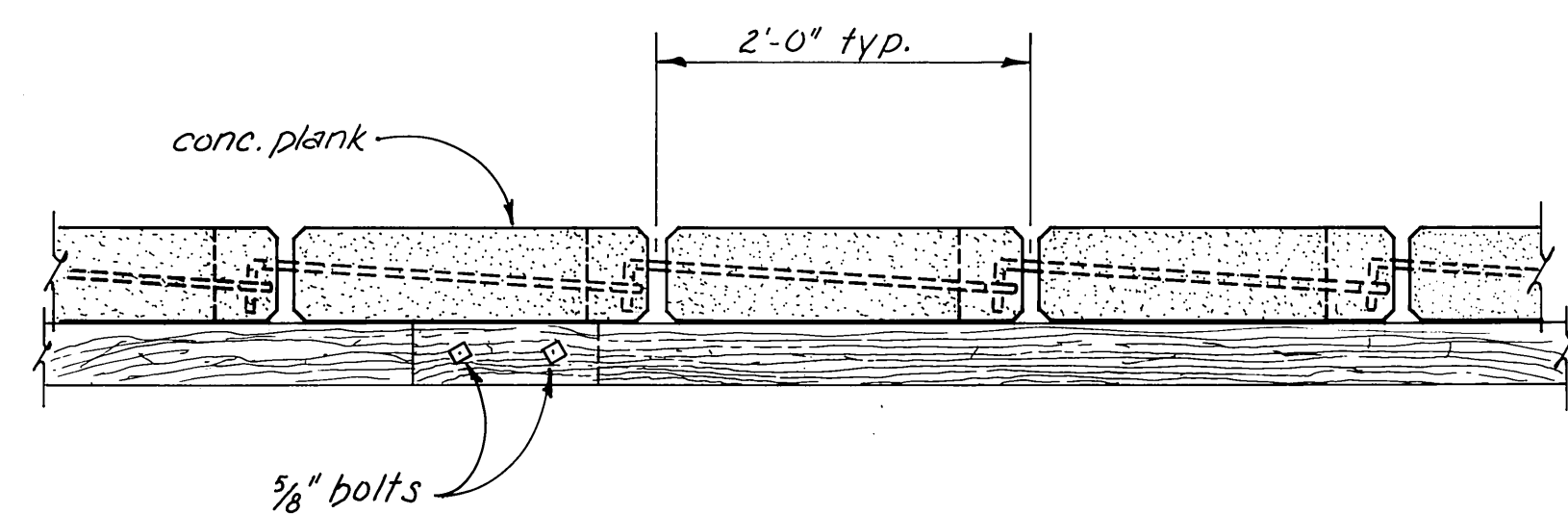
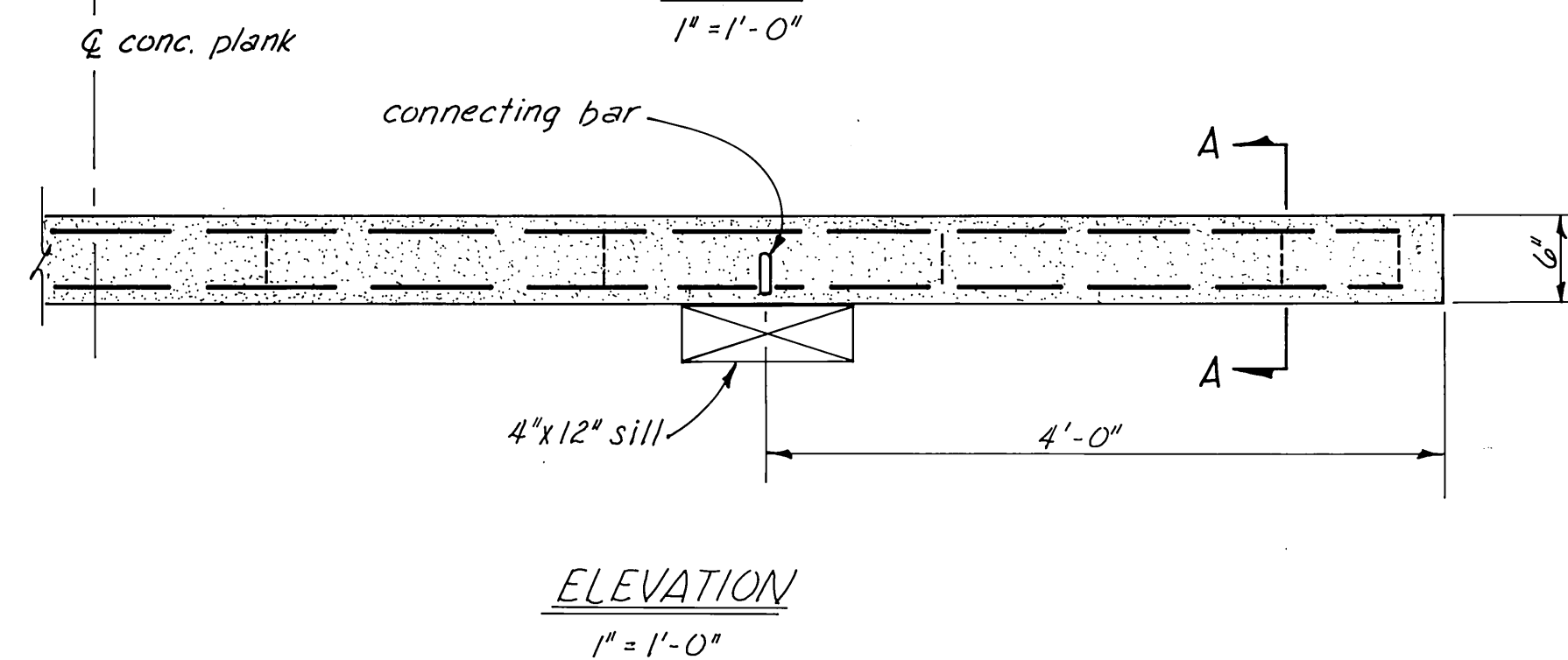
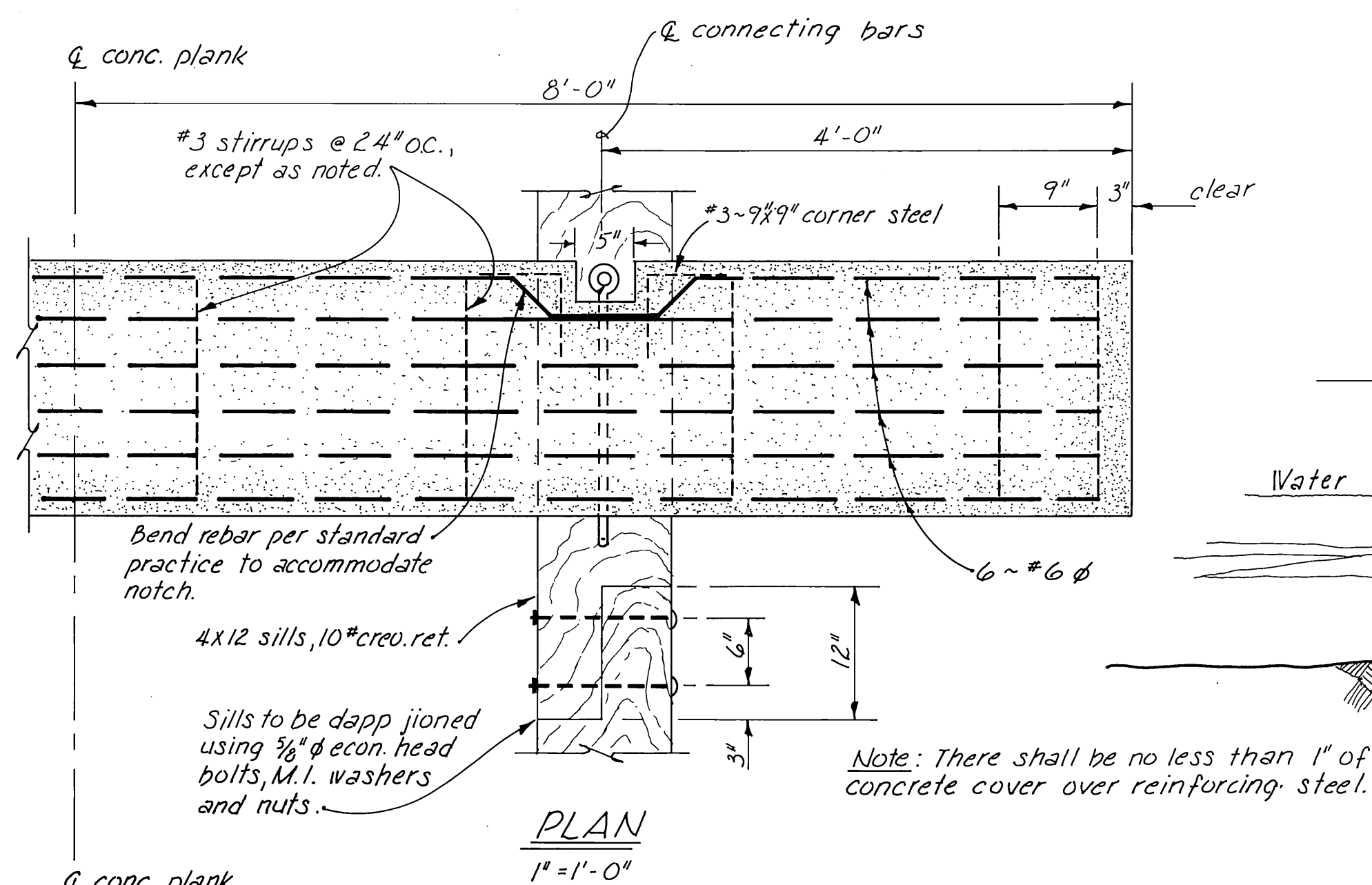


SECTION F
3" = 1'-0"



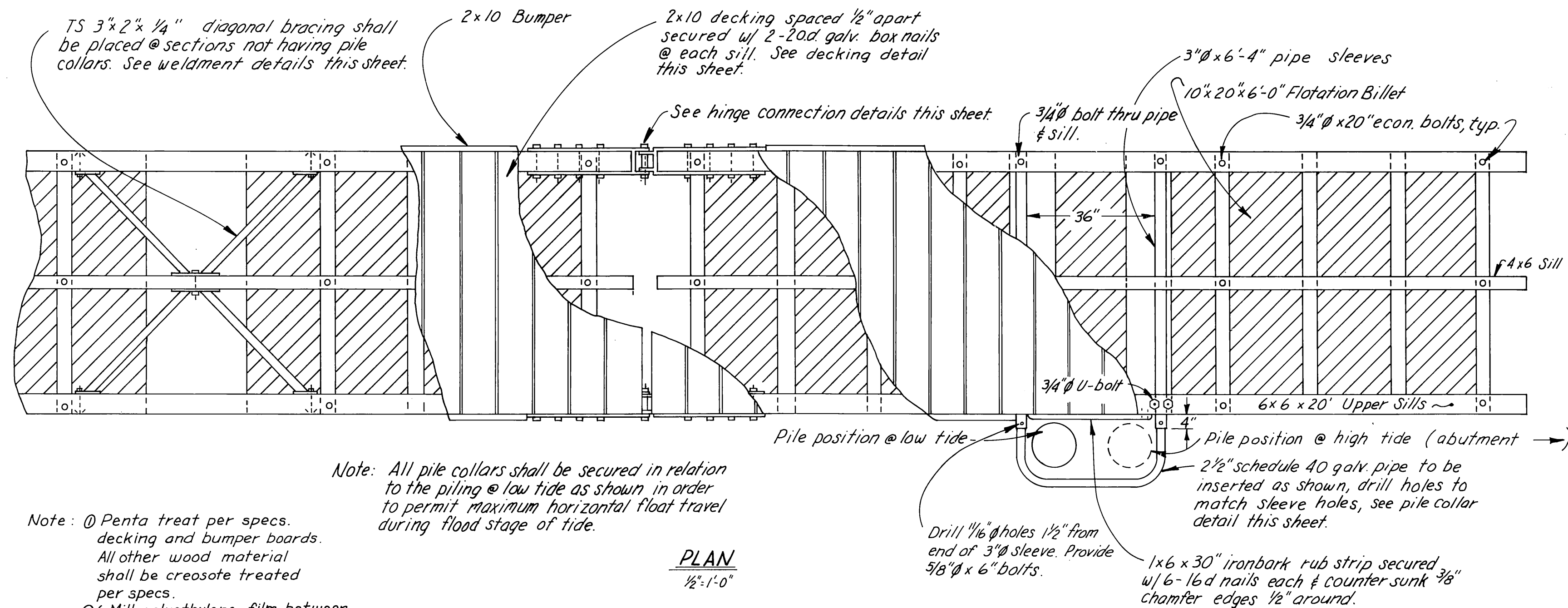
STALL FLOAT PILE COLLAR P
1" = 1'-0"

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DIVISION OF HARBOR DESIGN AND CONSTRUCTION	
		Sitka Japonski Harbor Alaska	
CONCRETE STALL FLOAT WELDMENTS & MISCELLANEOUS DETAILS			
SCALE AS NOTED	SURVEYED	APPROVED Robert P. Beck	
DESIGNED JDB	DRAWN EJT	James A. Lowell	
CHECKED JDB	DATE 9-82		
PROJECT NUMBER K78125	SHEET 20 OF 21		

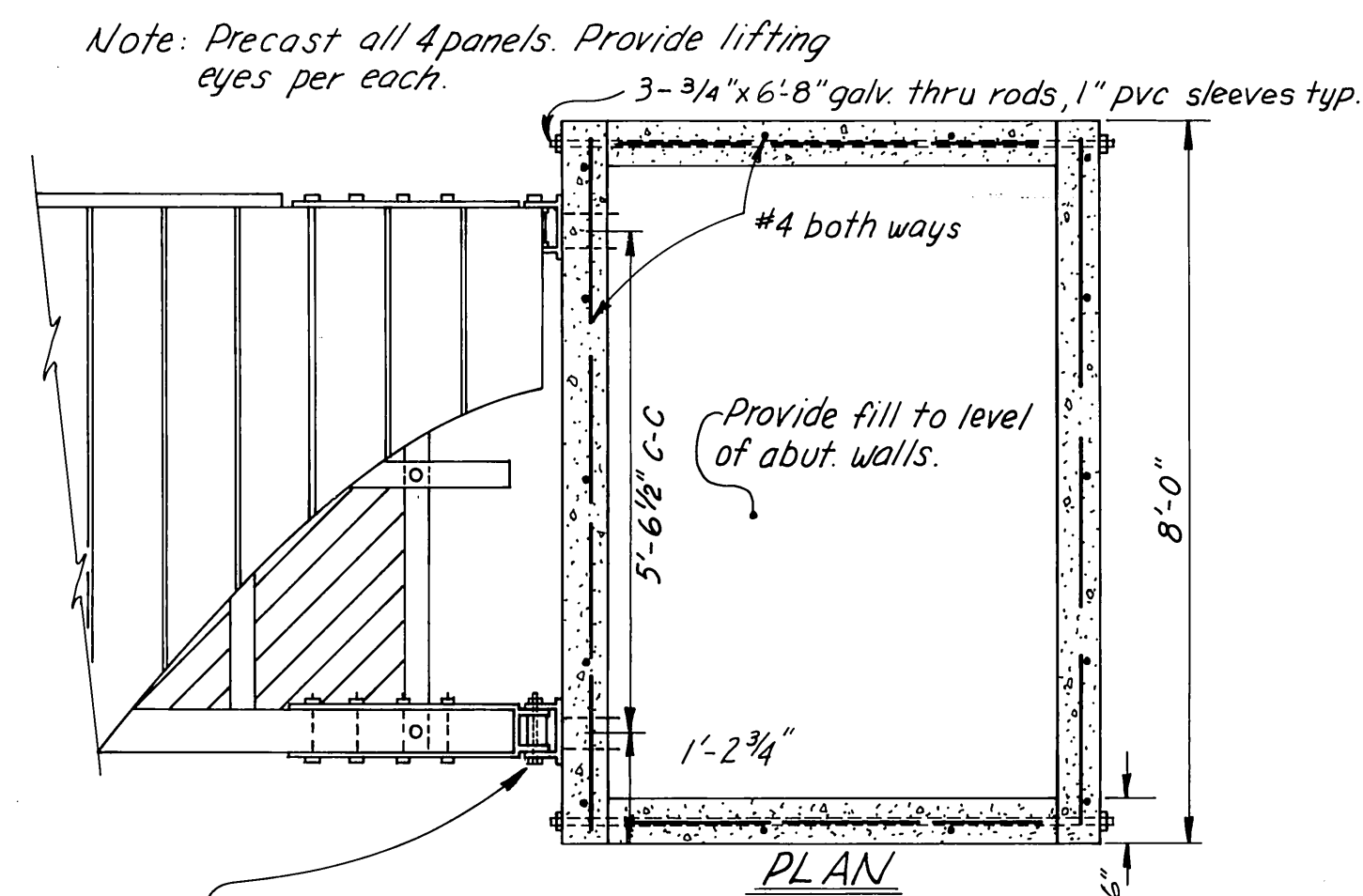
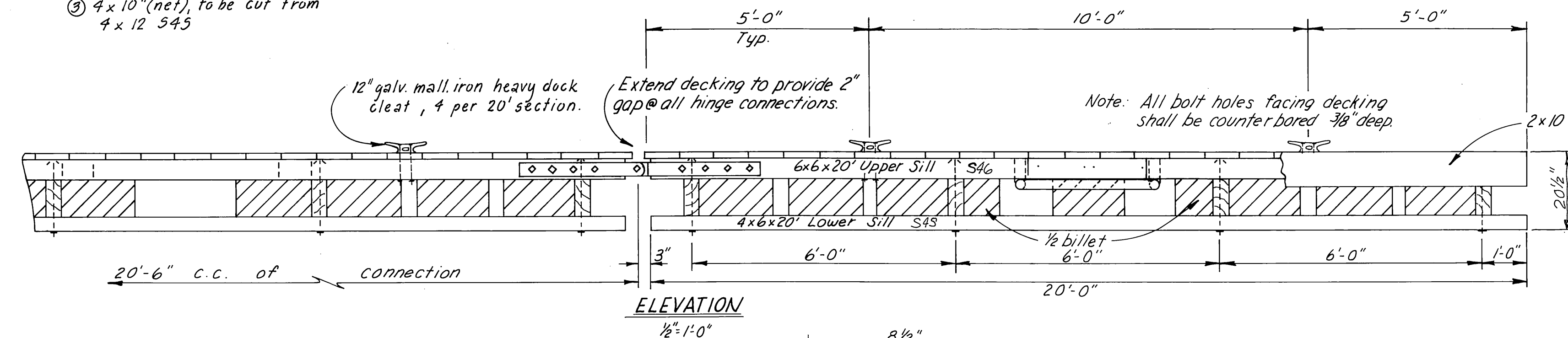


Note: Concrete $f_c \geq 5000$ psi
Reinforcing steel $f_y = 60,000$ psi

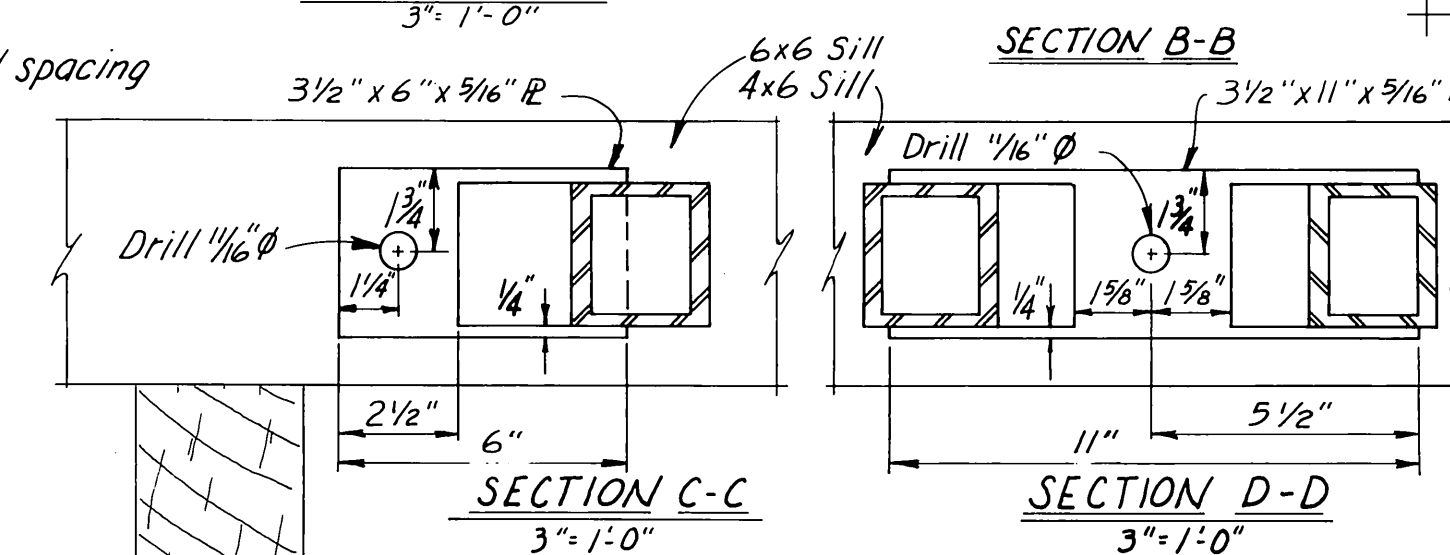
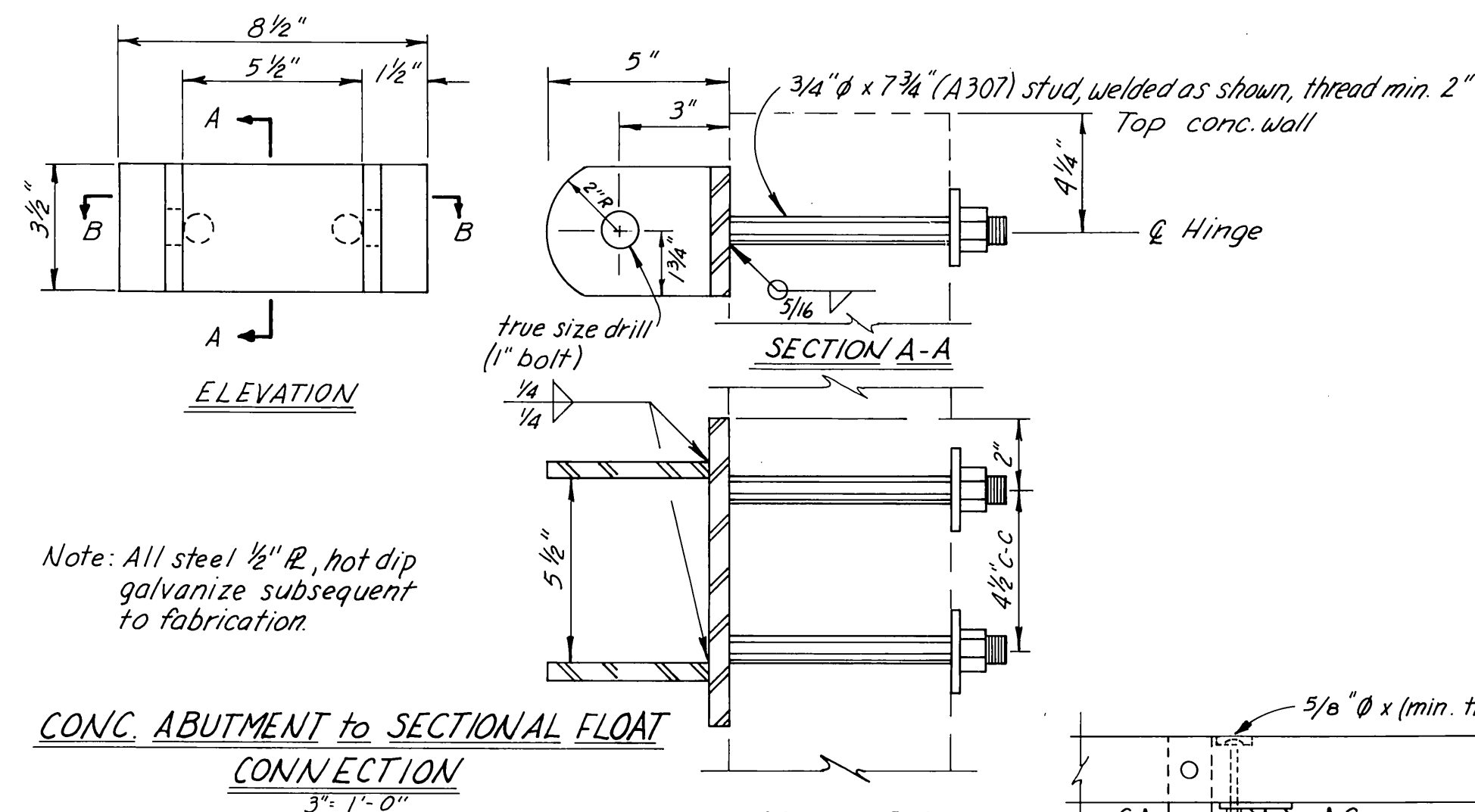
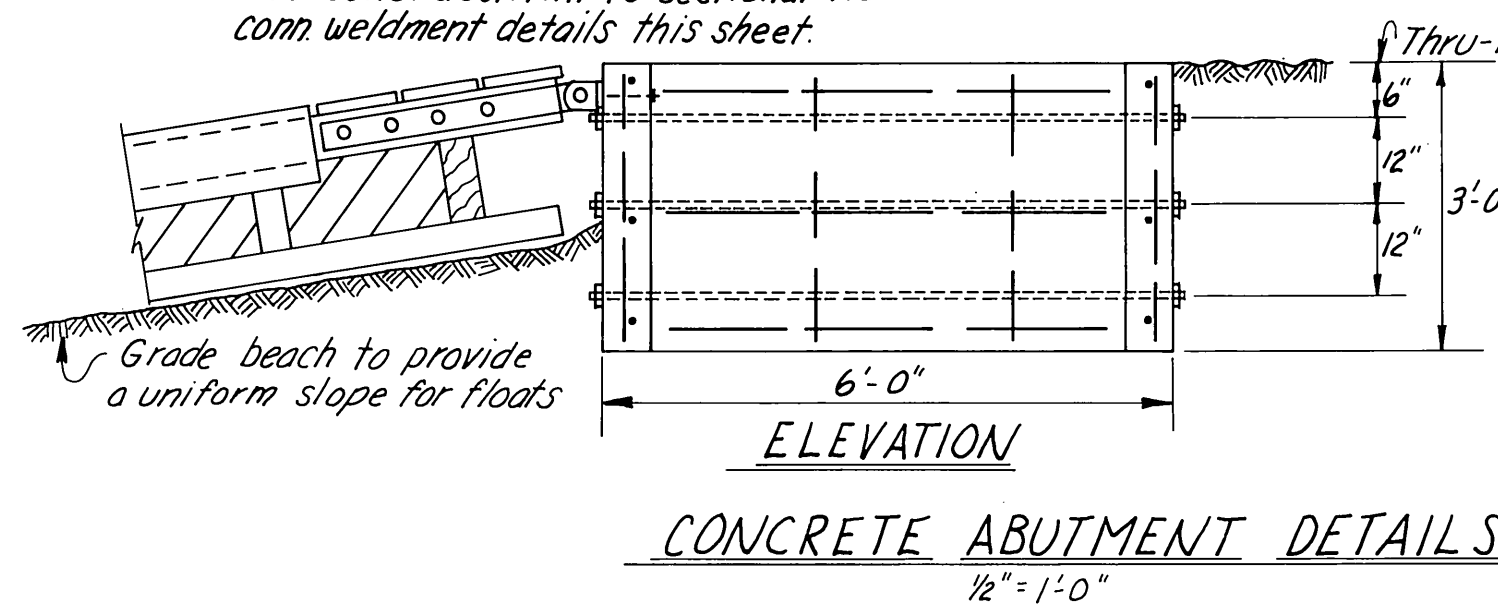
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		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DIVISION OF HARBOR DESIGN AND CONSTRUCTION	
		Sitka Japonski Harbor Alaska LAUNCH RAMP DETAILS	
DESIGNED JDB	DRAWN GRF	SURVEYED DATE 9-82	APPROVED Robert P. Beck James A. Lowell
CHECKED JDB	PROJECT NUMBER K78125	SHEET 21 OF 36/41	



- Note: ① Penta treat per specs. decking and bumper boards. All other wood material shall be creosote treated per specs.
② 6 Mill polyethylene film between creo. members and foam.
③ 4x10" (net) to be cut from 4x12 545

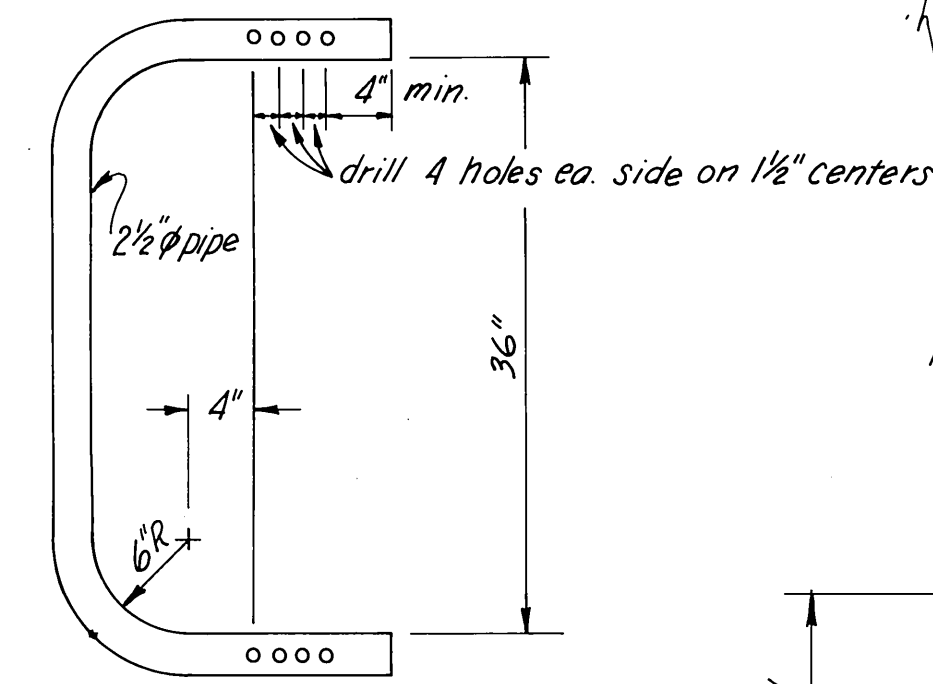
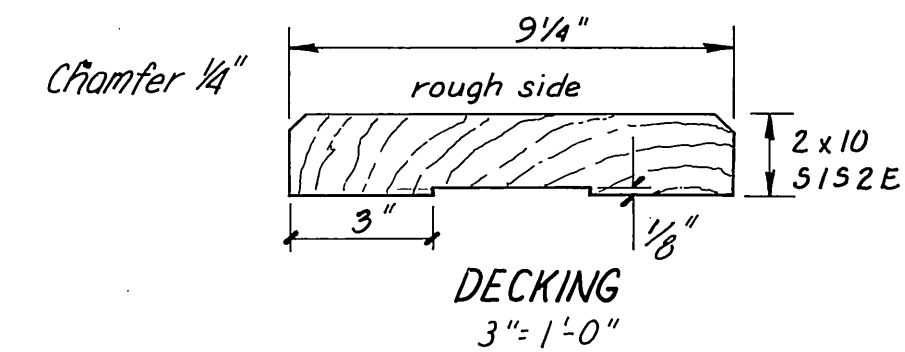


See conc. abutment to sectional float conn weldment details this sheet.

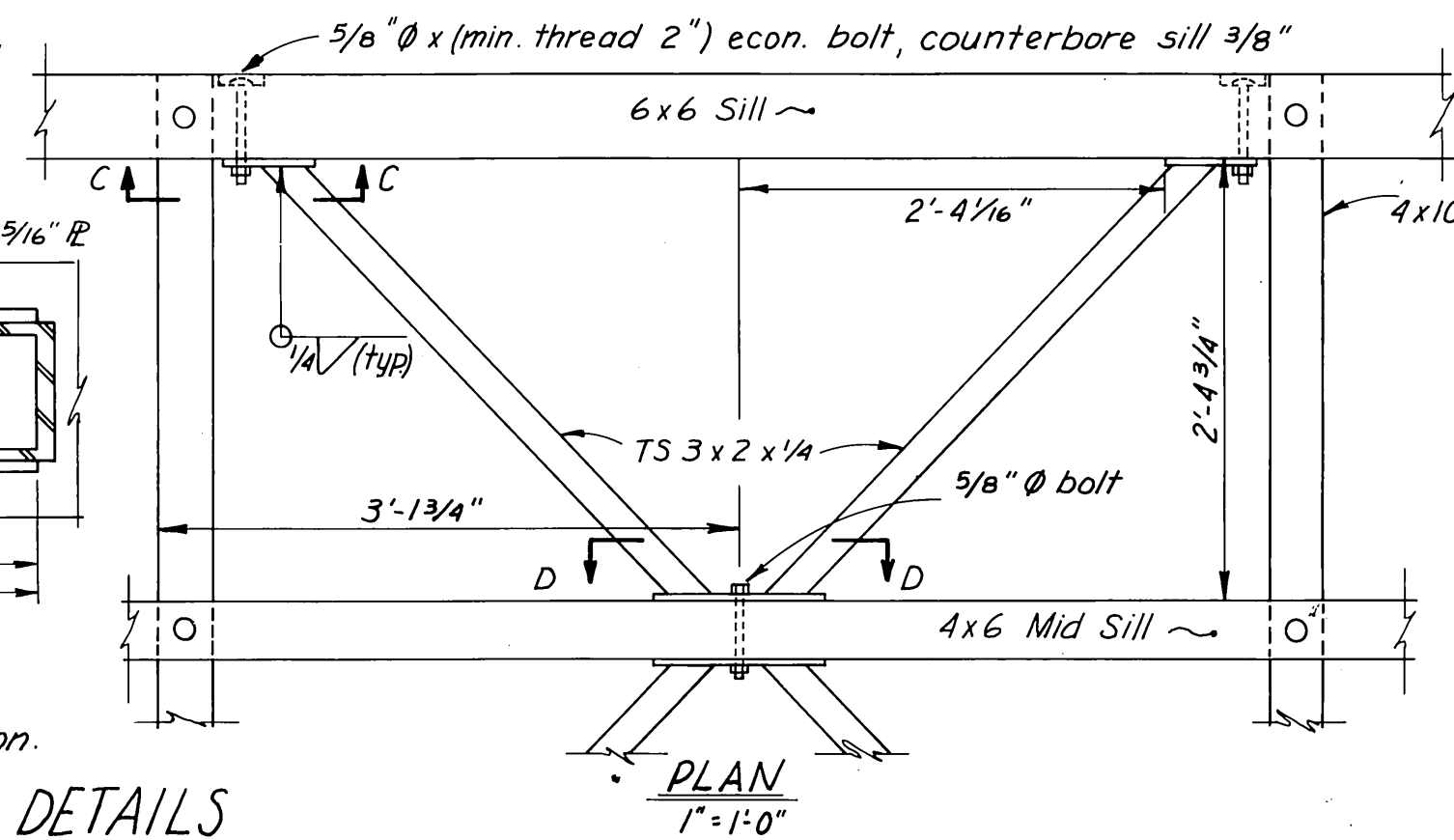
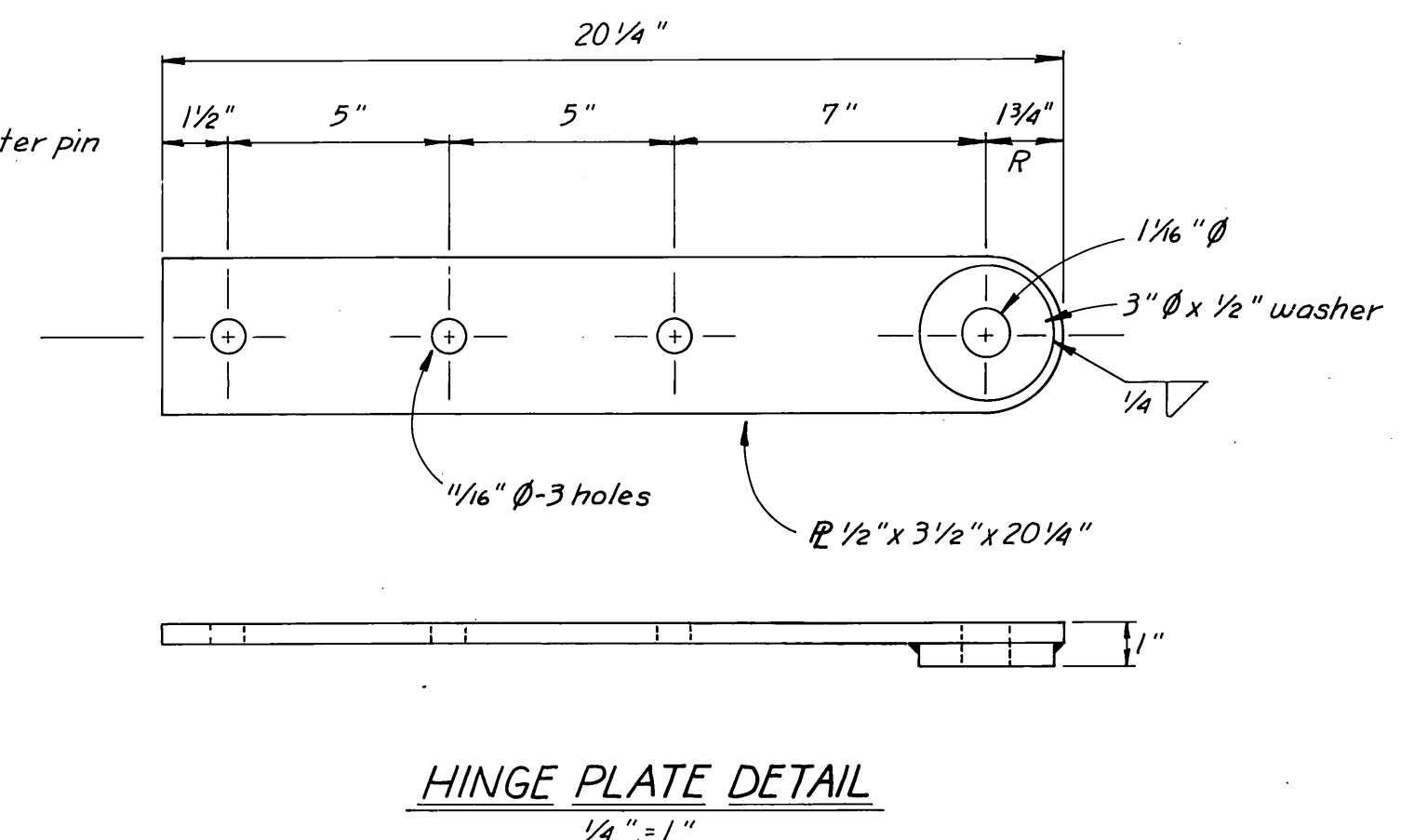
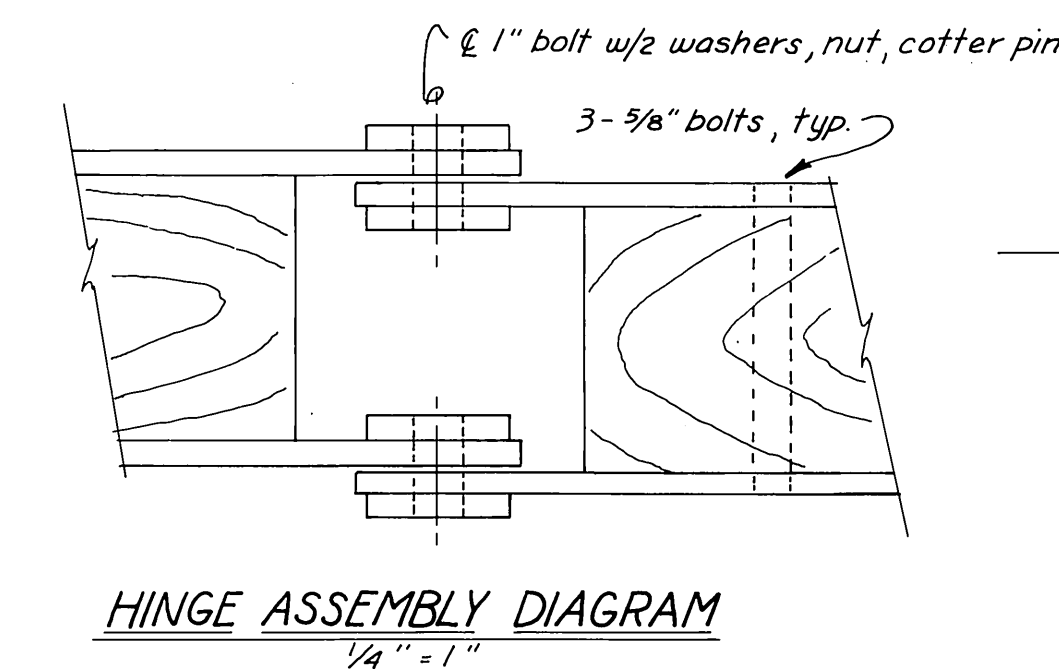
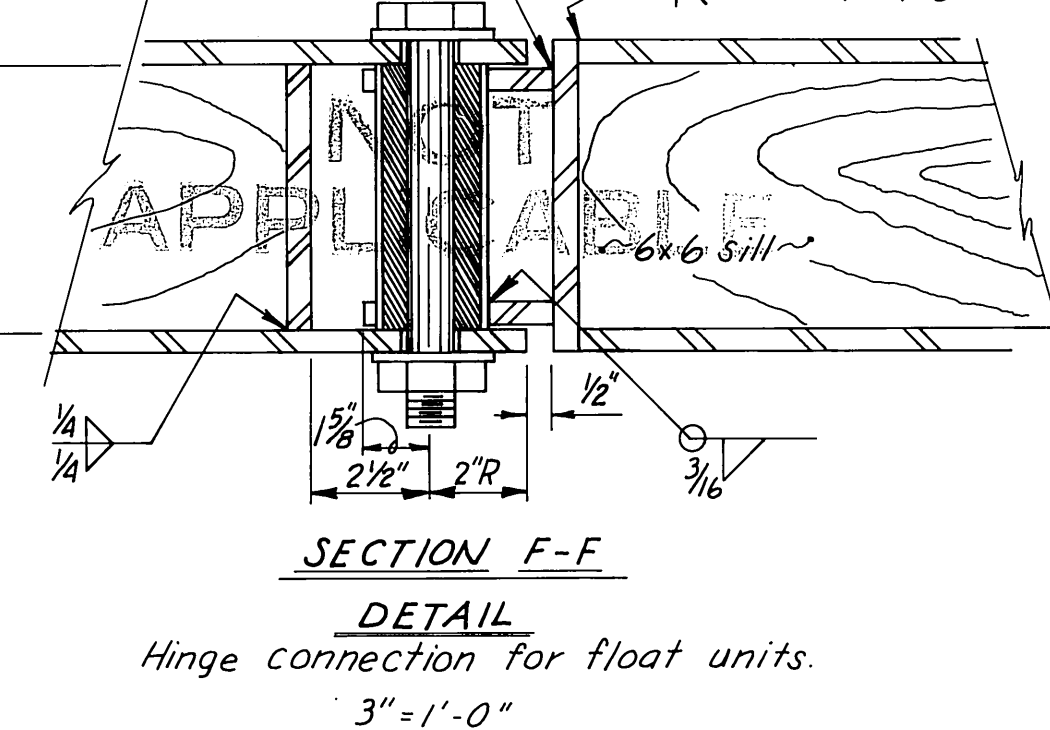
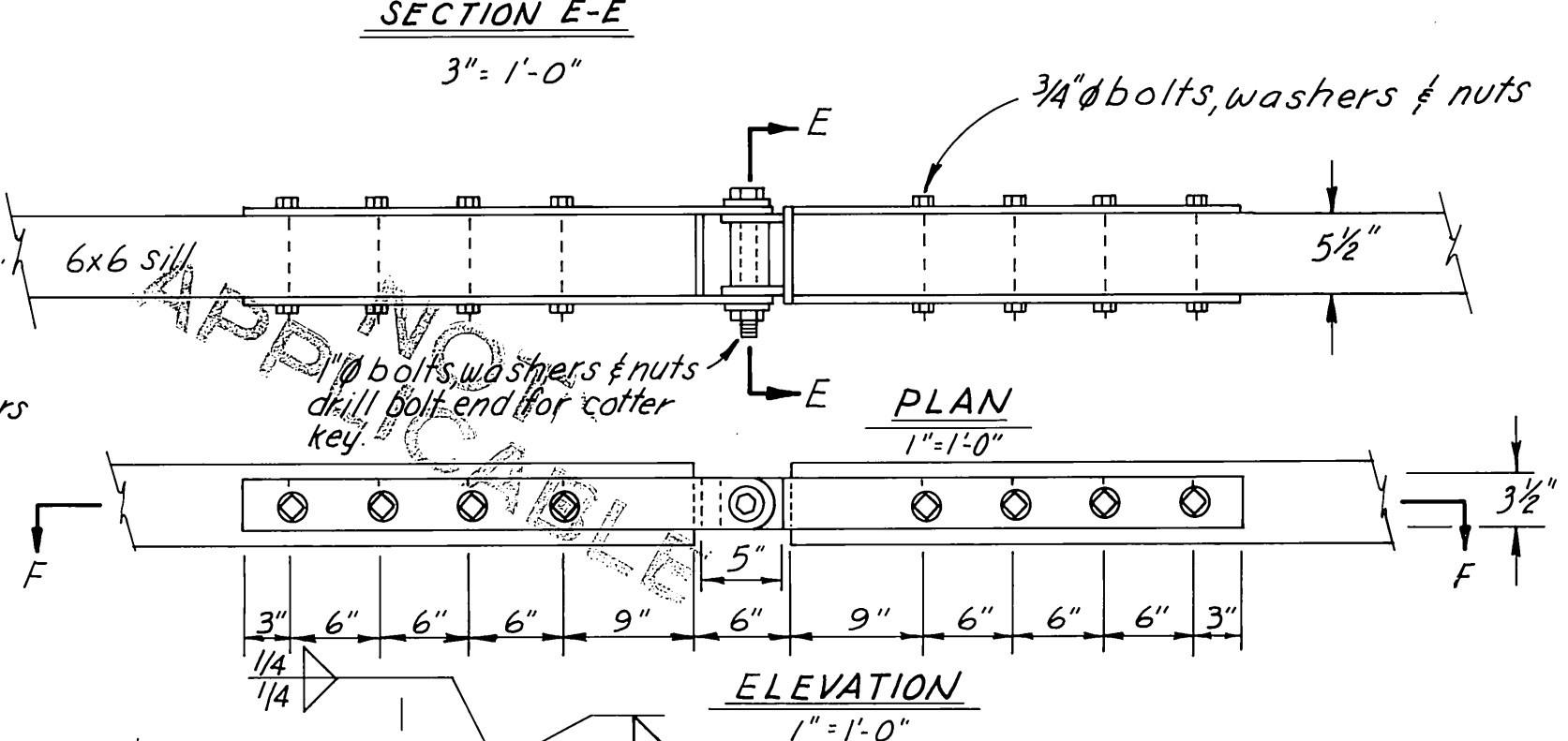
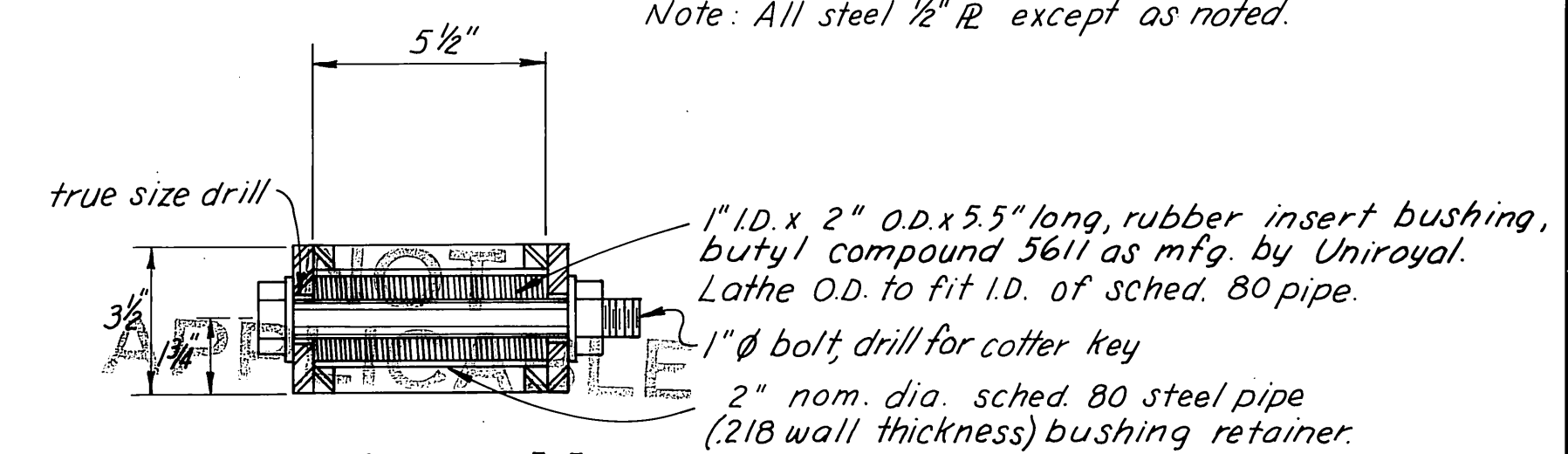
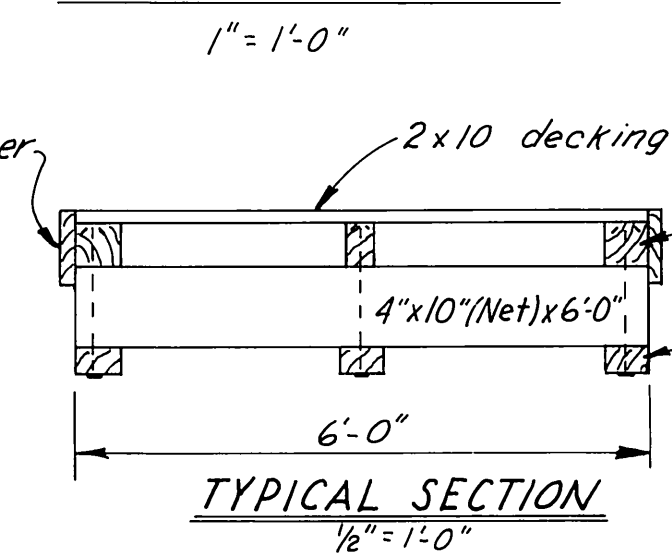


Note: Hot dip galvanize subsequent to fabrication.

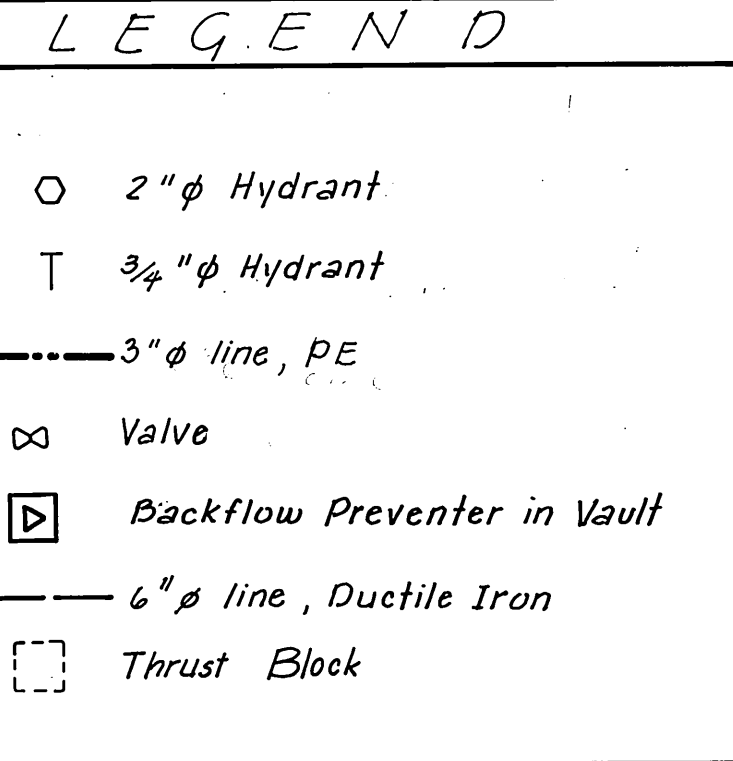
DIAGONAL BRACING DETAILS



DETAIL PIPE PILE COLLAR



STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DIVISION OF HARBOR DESIGN AND CONSTRUCTION	
		Sitka Japonski Harbor Alaska	
		6' SECTIONAL FLOAT	
SCALE As Noted	SURVEYED	APPROVED	Robert P. Beck
DESIGNED JDB	DRAWN TS		James A. Lowell
CHECKED JDB	DATE 11-82		
PROJECT NUMBER K 7 8 1 2 5		SHEET 22	OF 26



STAMP

DO NOT SCALE THIS DRAWING – USE DIMENSIONS

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

Sitka Japonski Harbor

Alaska

WATER SYSTEM LAYOUT

SCALE $1'' = 50'$

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

DRAWN JTM

DATE 8-82

APPROVED

ED 011 022 1 2 2 1

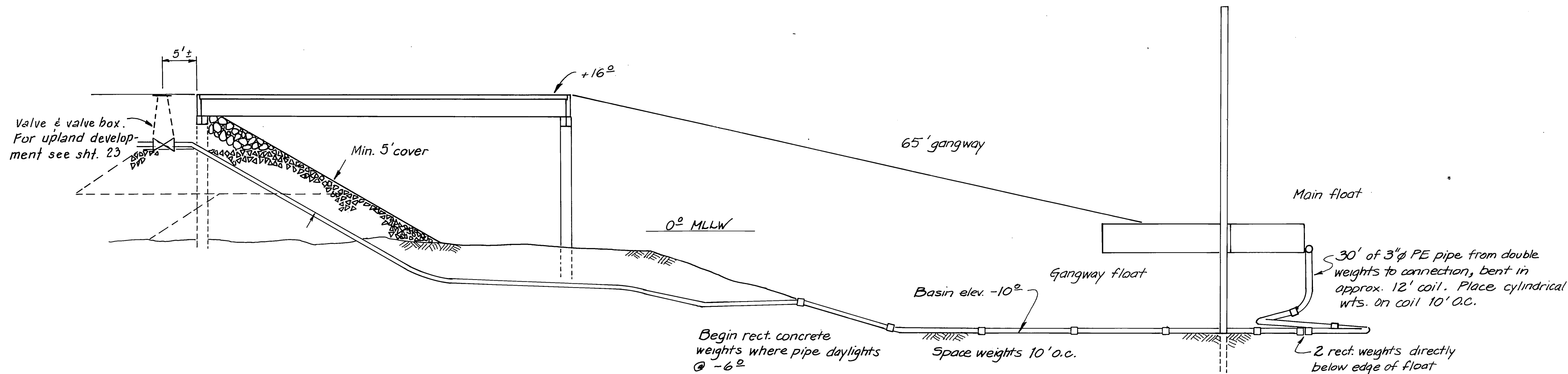
Robert P. Beck

James A. Lowell

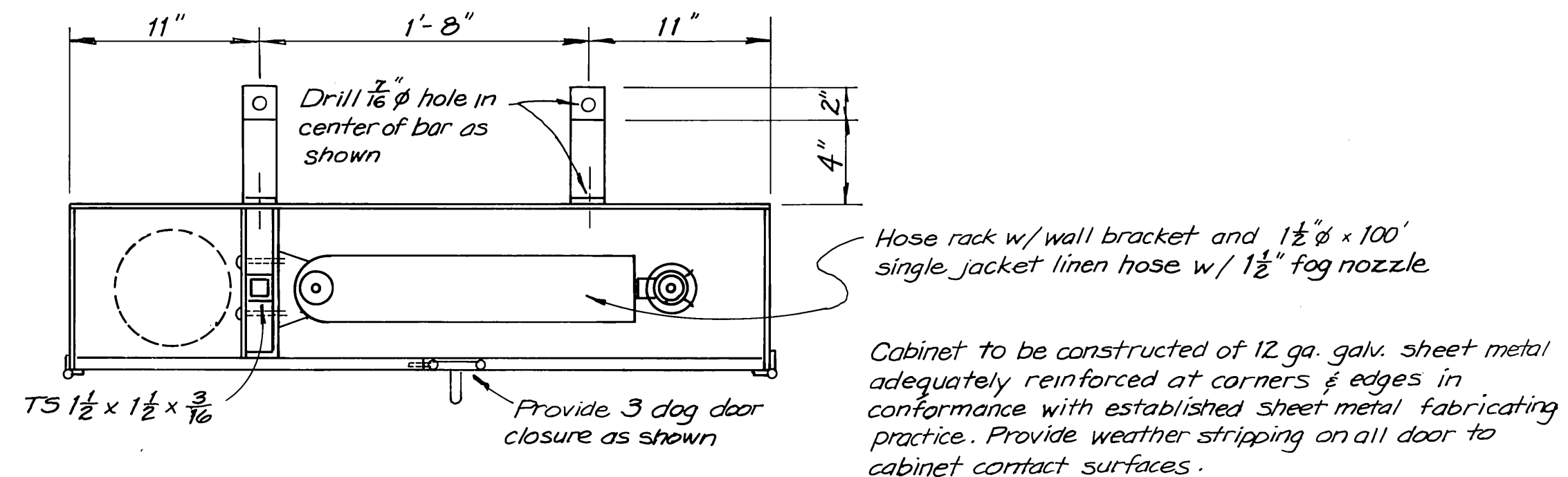
PROJECT	1670126
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23 OF 312-41

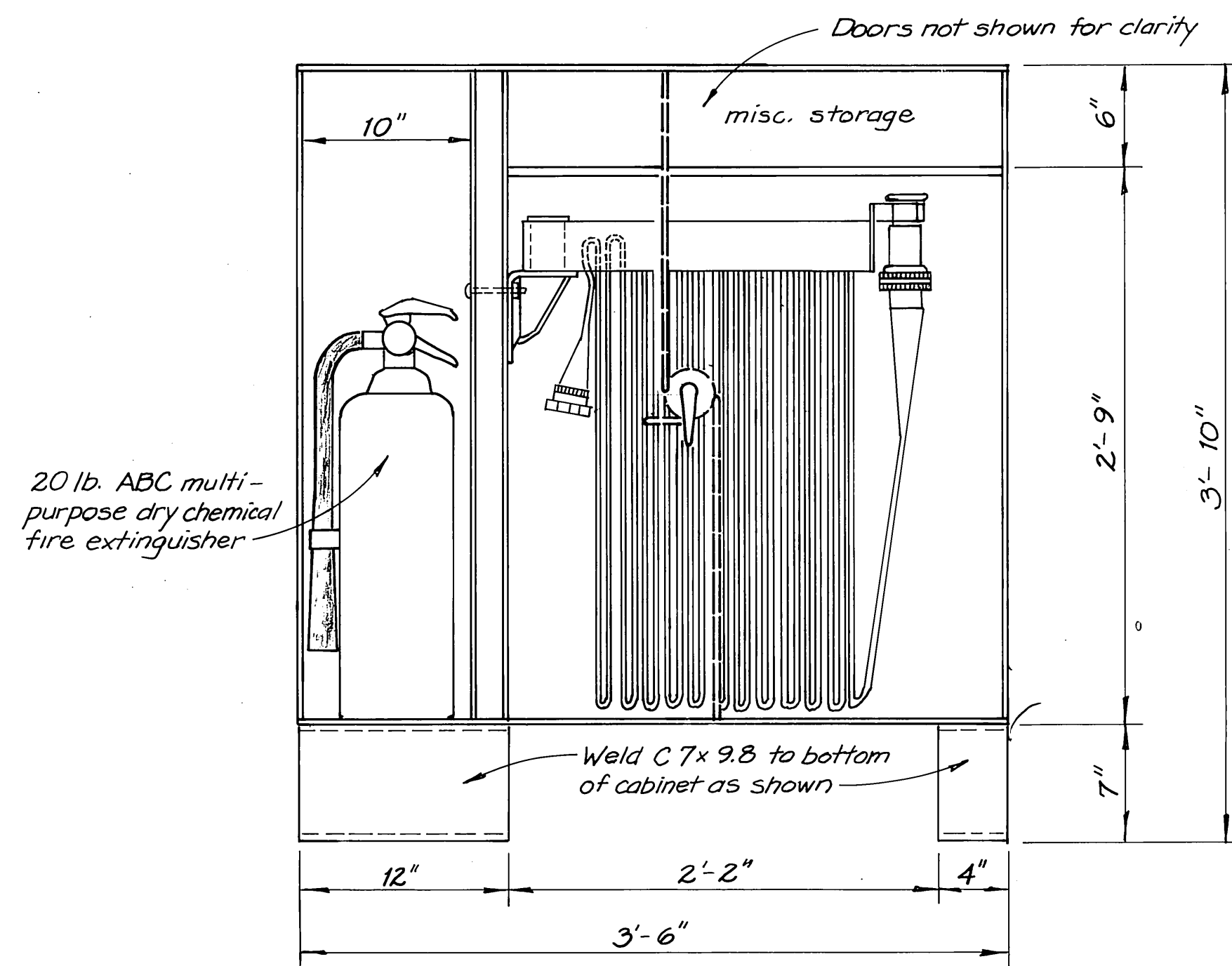
SHEET 25 OF 38



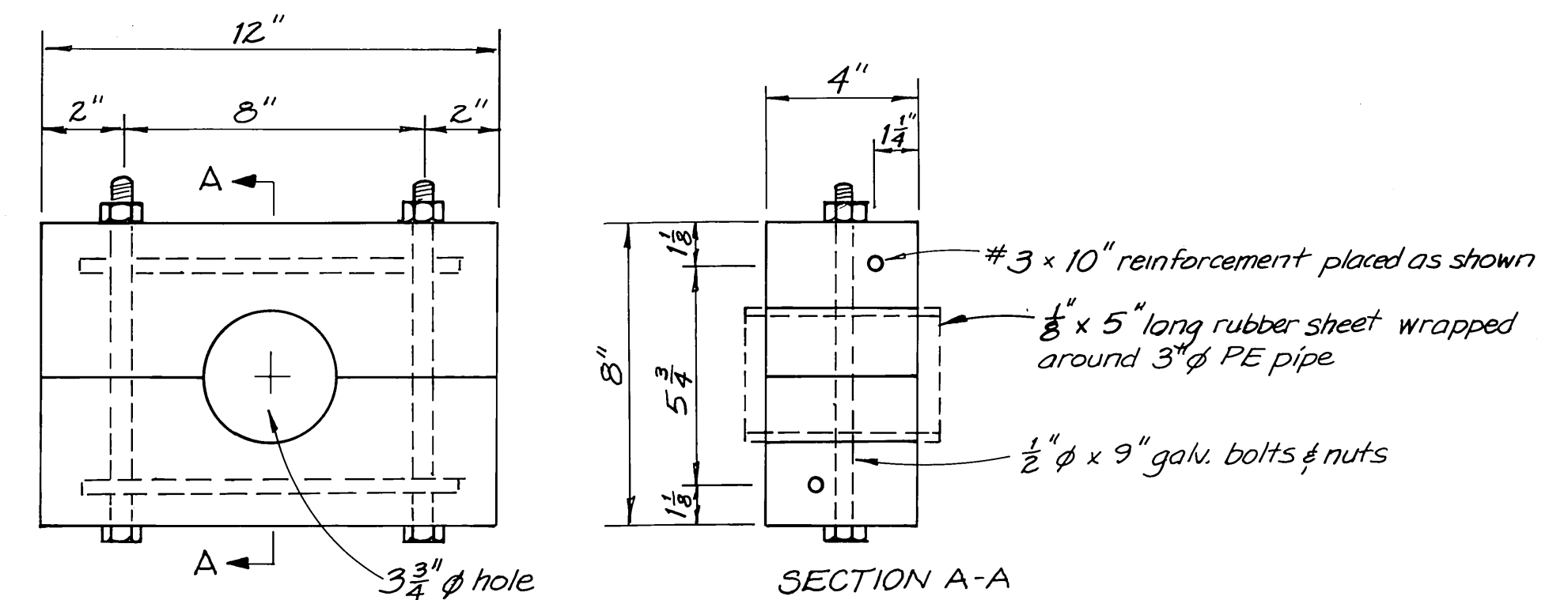
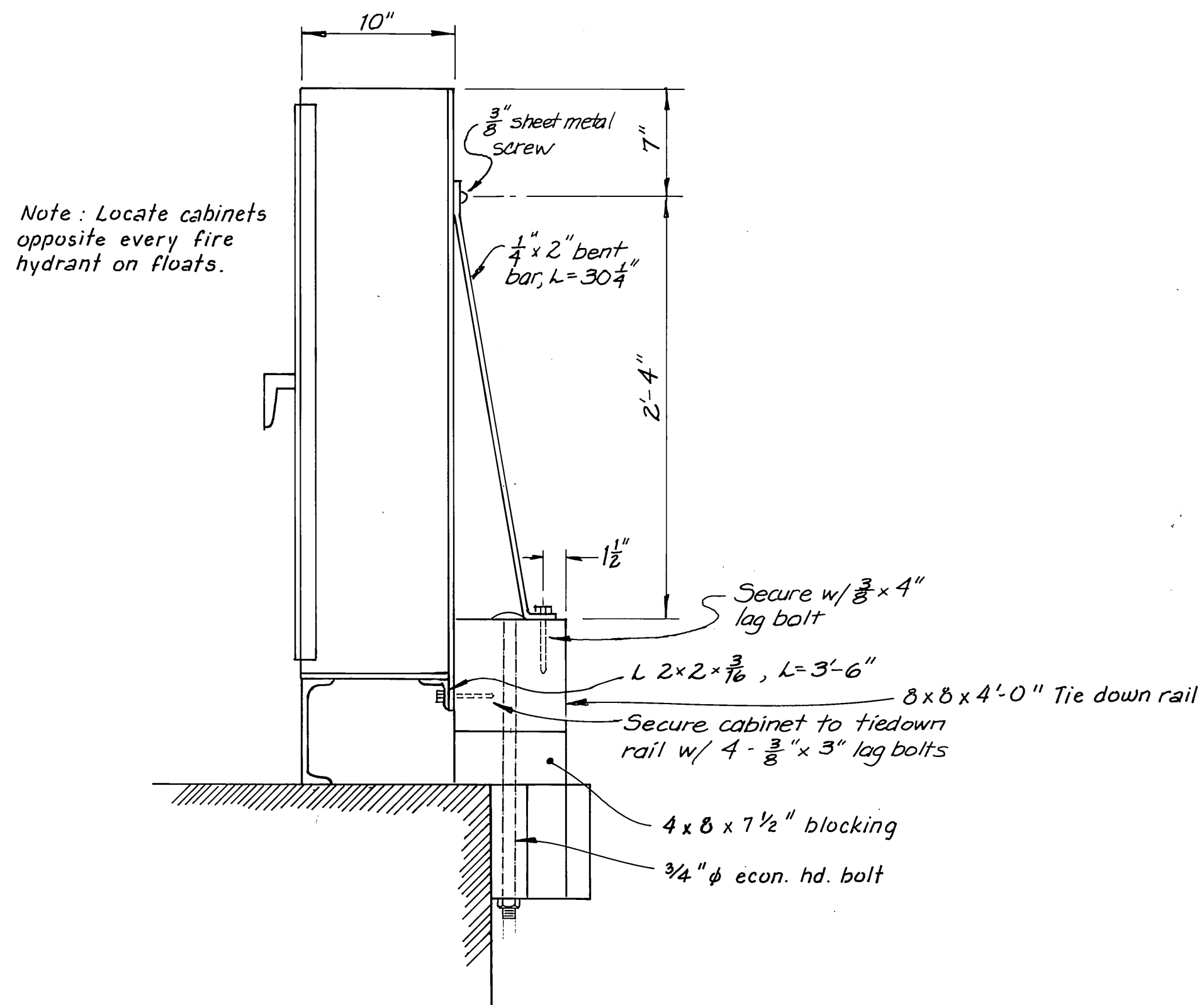
WATER MAIN ELEVATION
($\frac{1}{8}" = 1'-0"$)



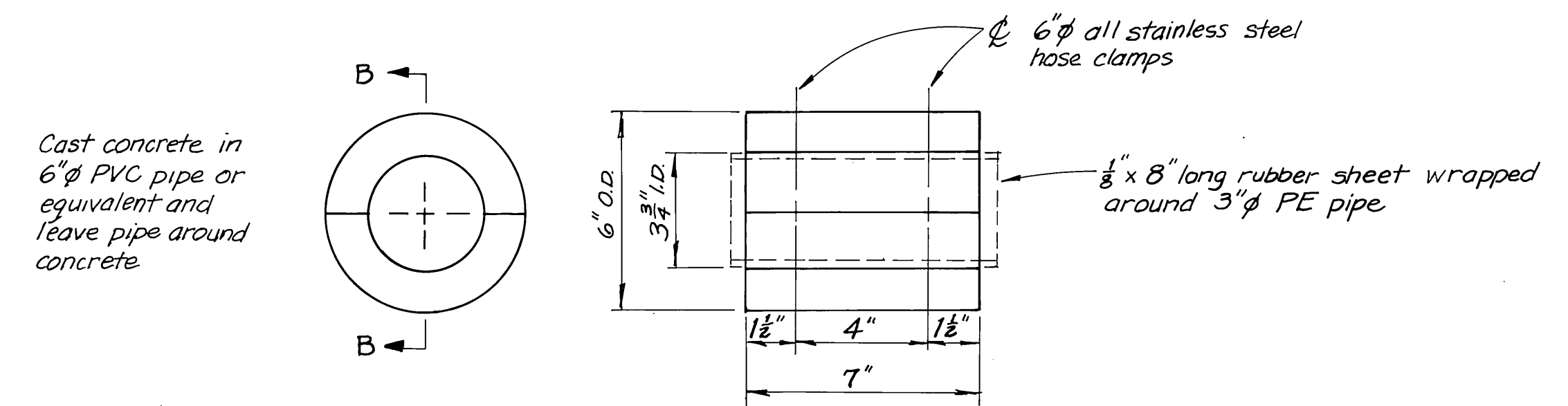
PLAN



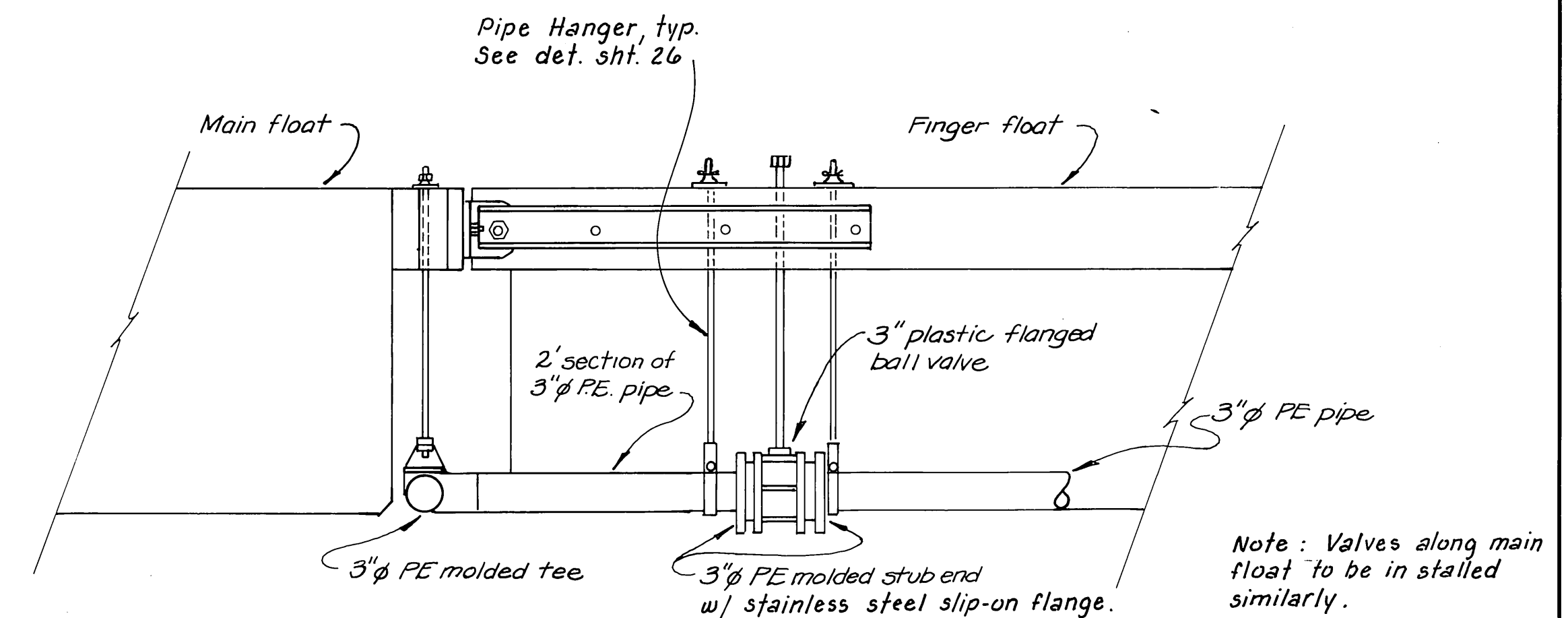
HOSE & EXTINGUISHER CABINET
($1\frac{1}{2}" = 1'-0"$)



STD. WT. RECTANGULAR CONC. WEIGHT
(3" = 1'-0")

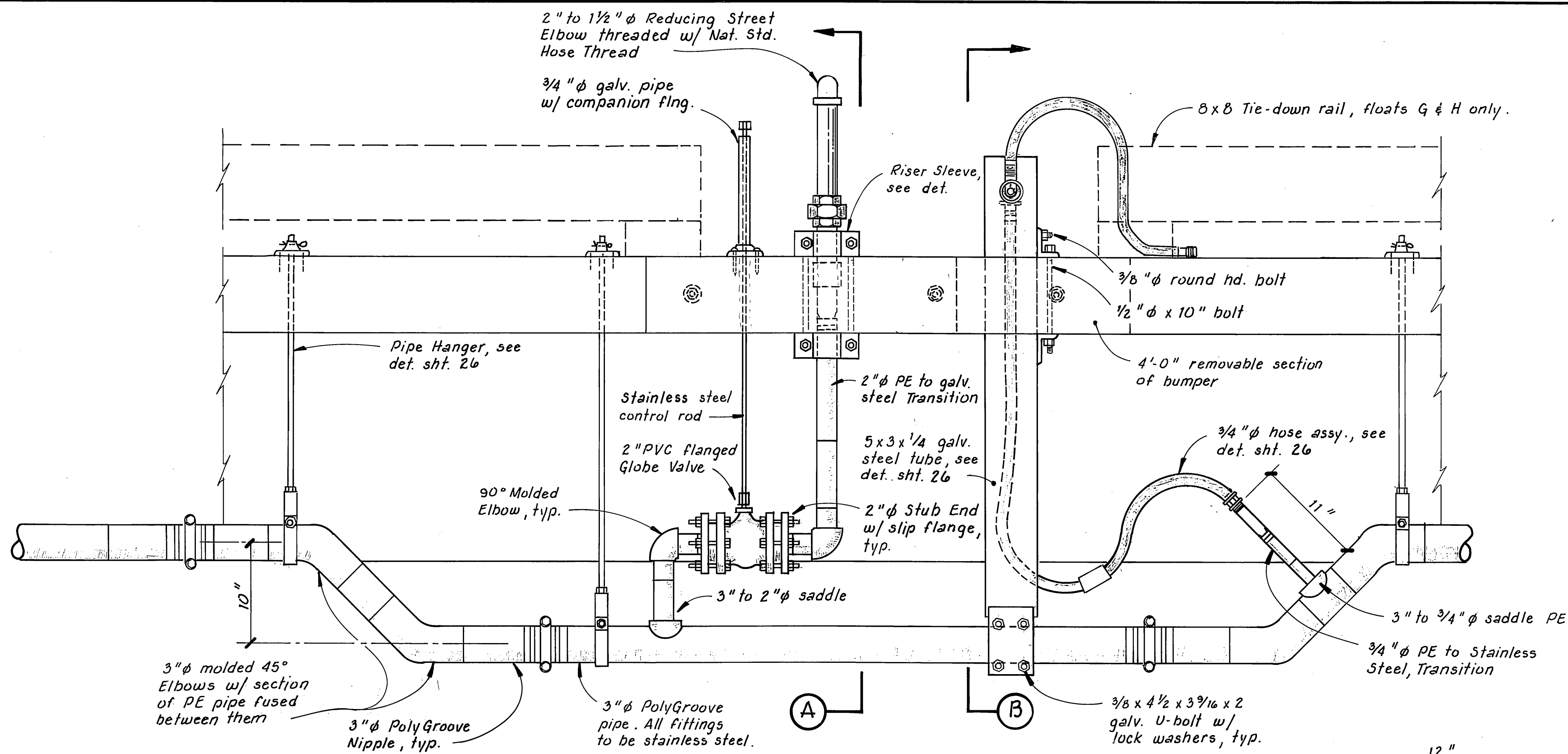


STD. WT. CYLINDRICAL CONC. WEIGHT
(3" = 1'-0")

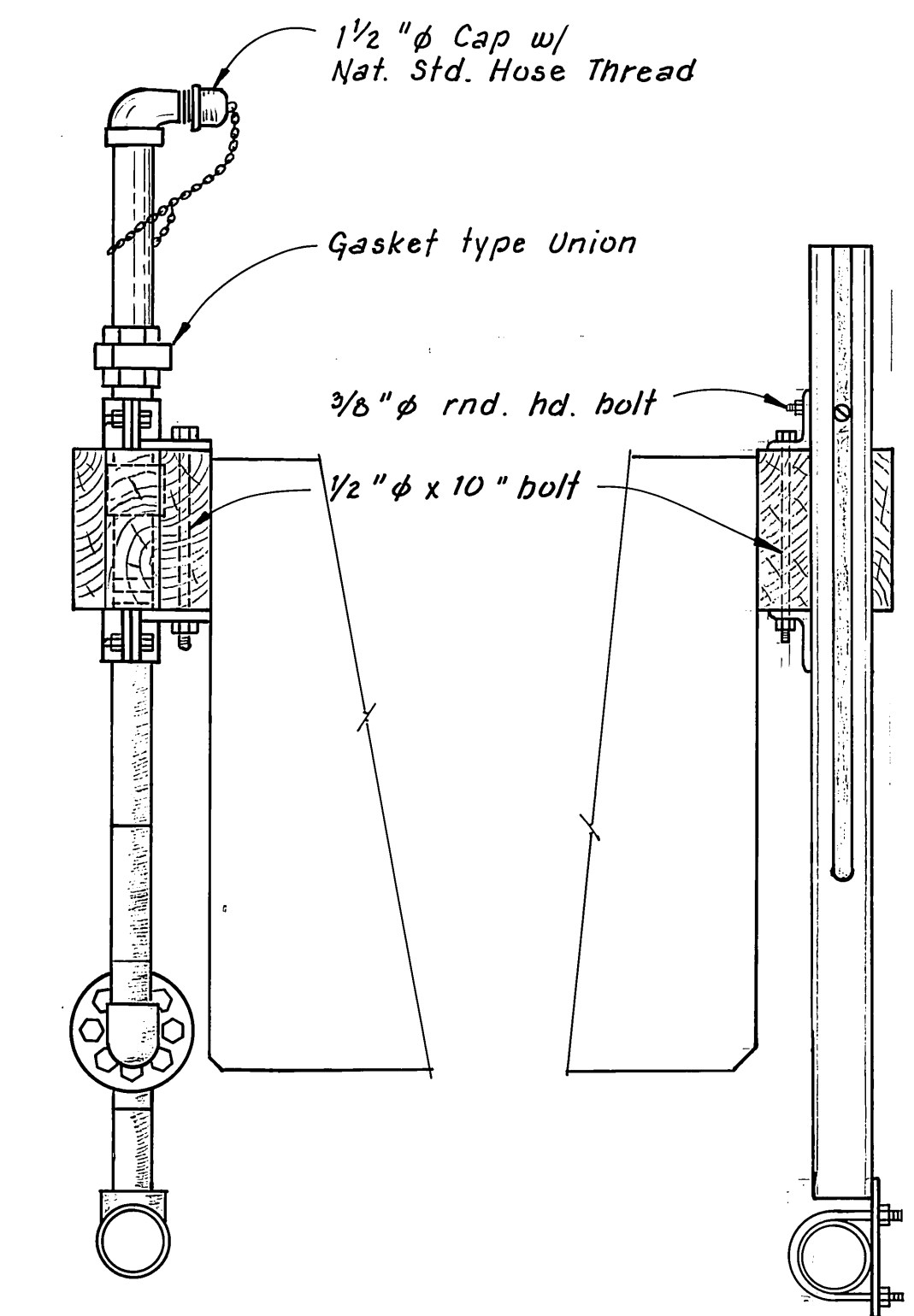


SHUTOFF VALVE @ FINGER FLOATS
(1" = 1'-0")

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION	
		Sitka, Japonski Harbor	Alaska
		WATER SYSTEM DETAILS SHT. A	
SCALE	SURVEYED	APPROVED Robert P. Beck	
DESIGNED BS	DRAWN BS	James A. Lowell	
CHECKED	DATE 11-82		
PROJECT NUMBER K 78125		SHEET 24 OF 36-41	

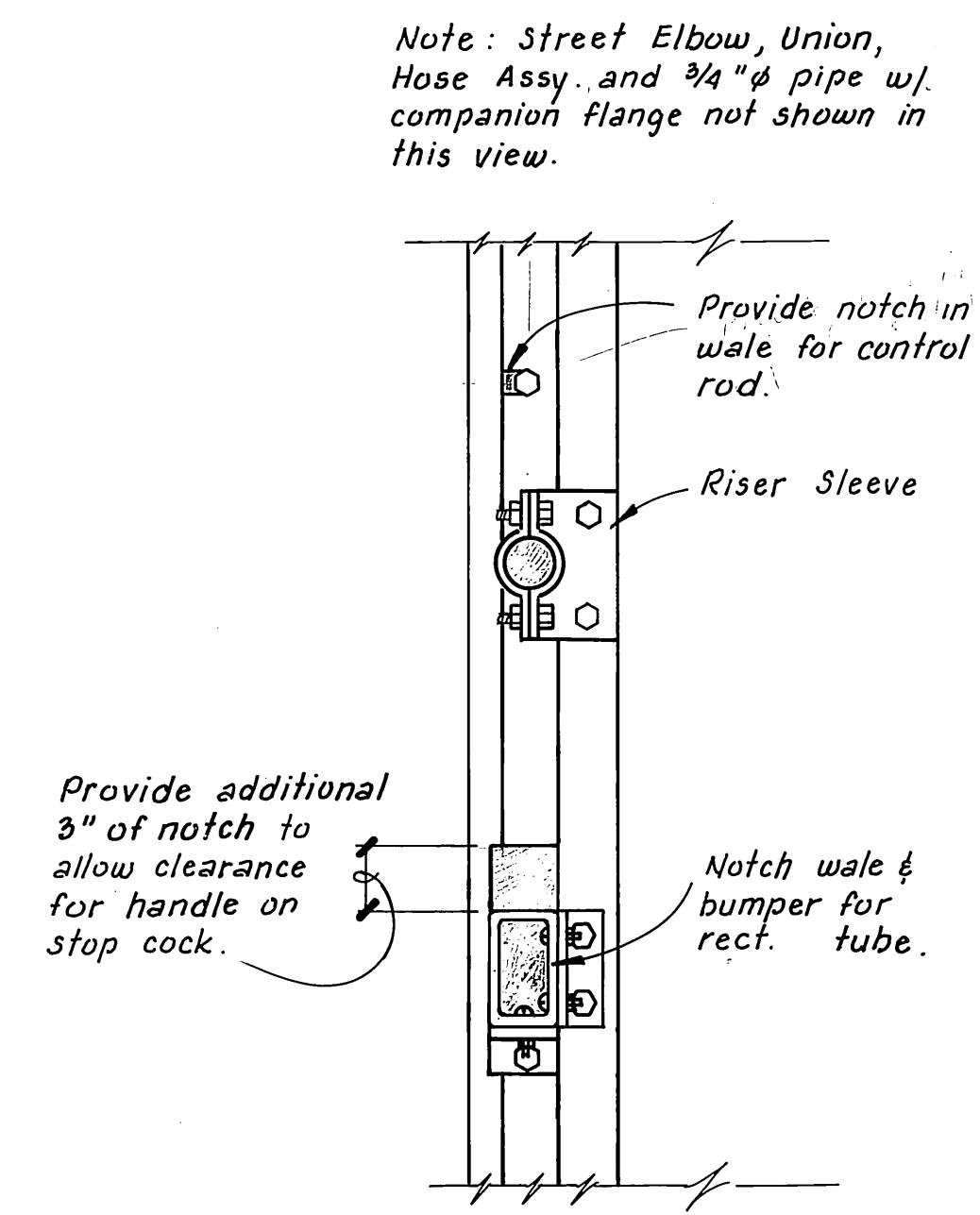


FIRE HYDRANT AND WATER SERVICE
1 1/2" = 1'-0"

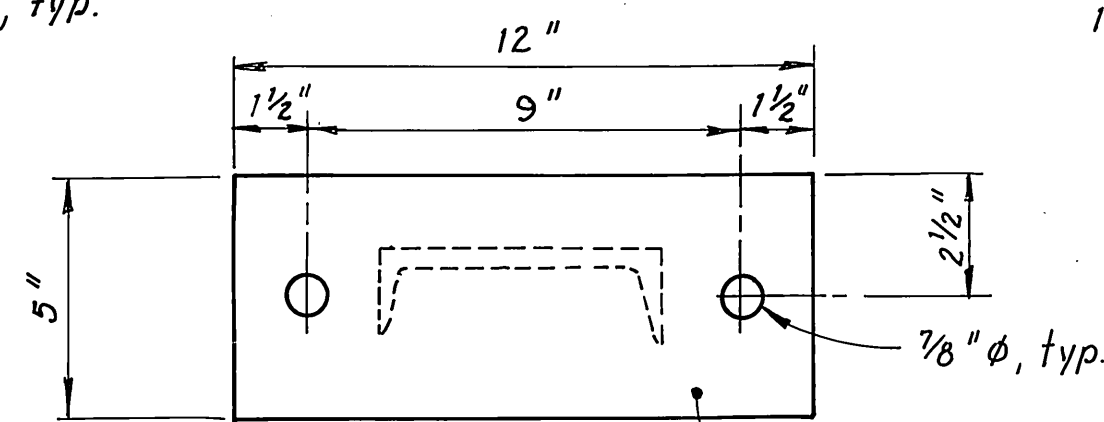


SECTION A
1 1/2" = 1'-0"

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

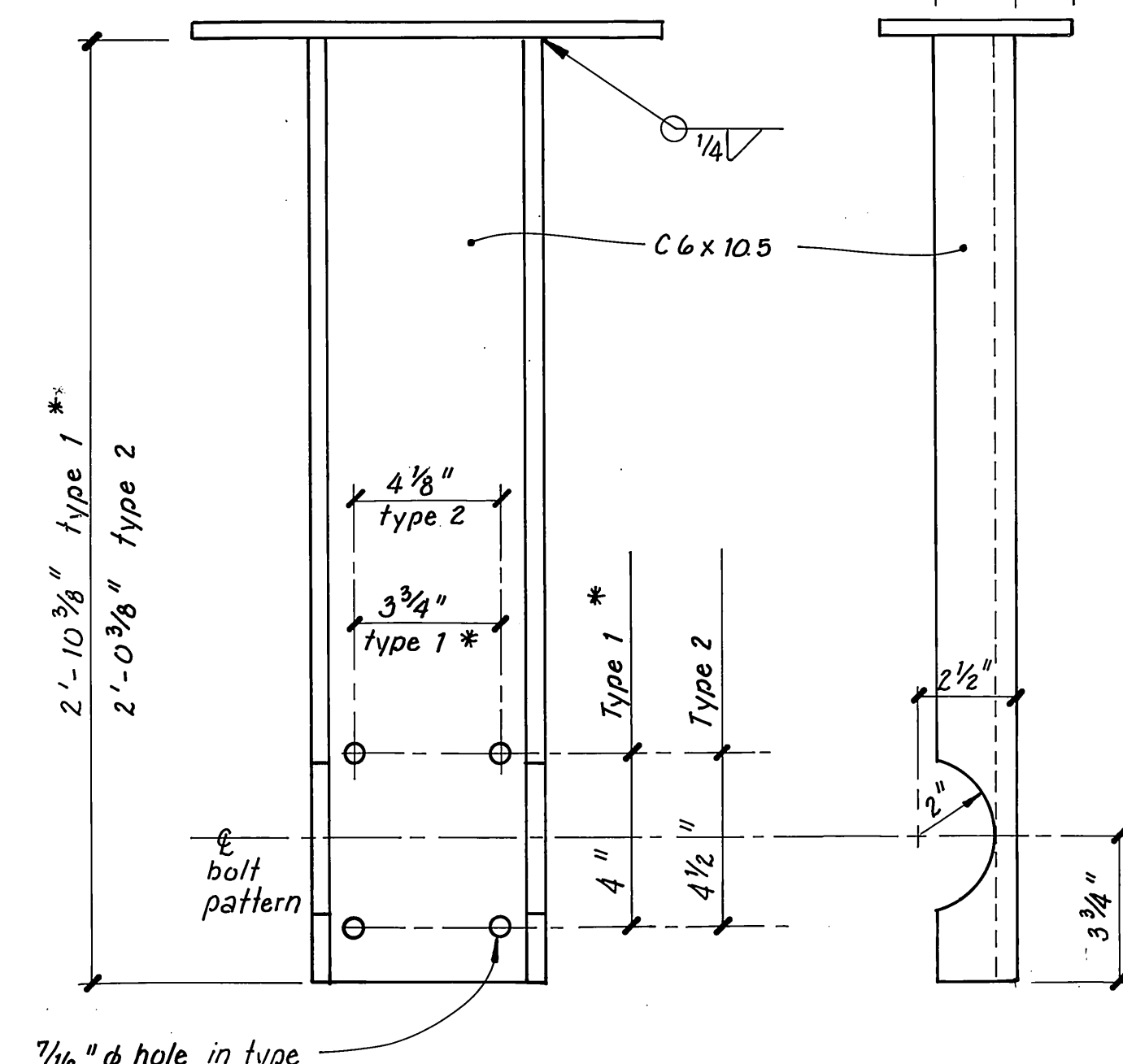


PLAN VIEW
1 1/2" = 1'-0"



PLAN

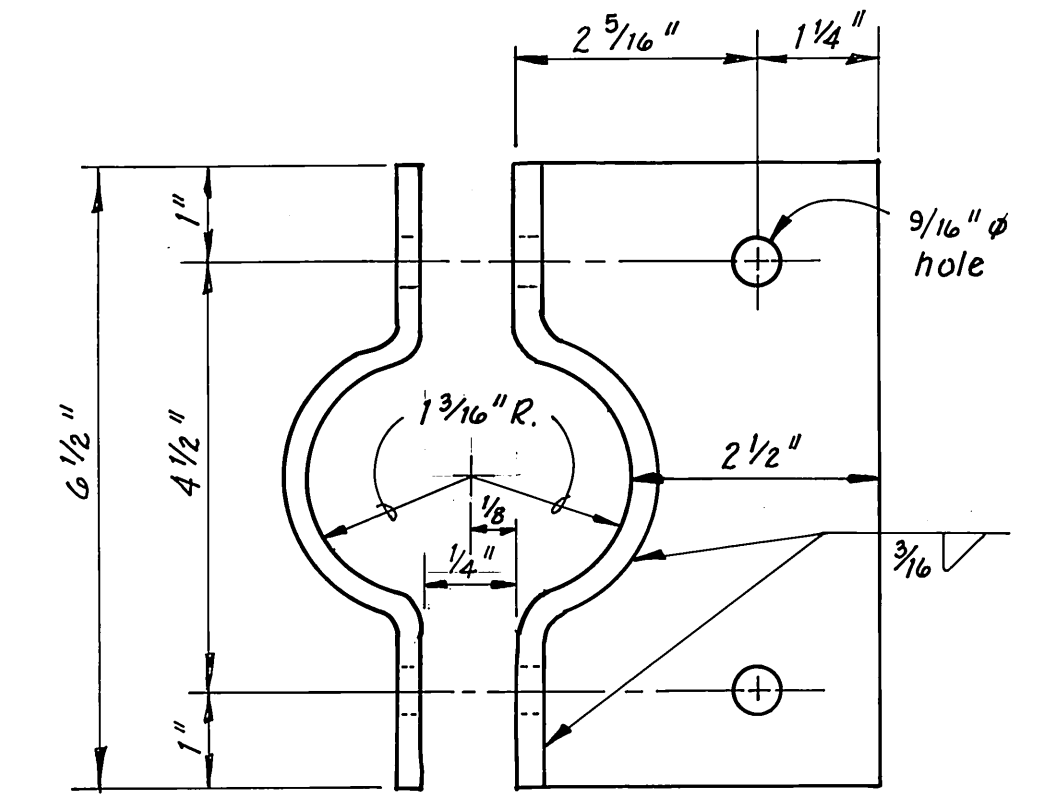
2" 2 3/4" type 2
2" 1 3/4" type 1 *



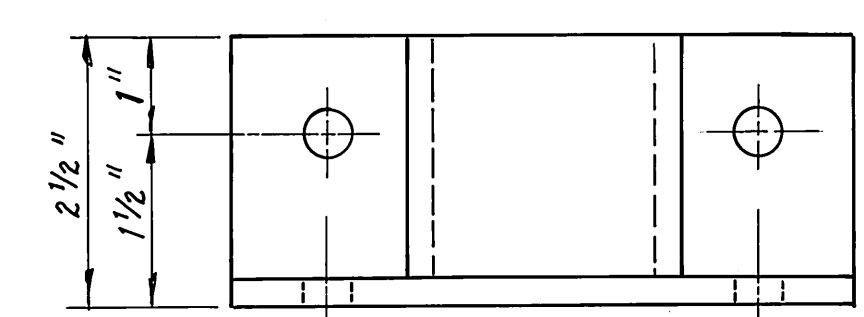
ELEVATIONS

HANGER WELDMENT
3" = 1'-0"

Note: Wrap pipe w/ nylon tape @ riser locations.

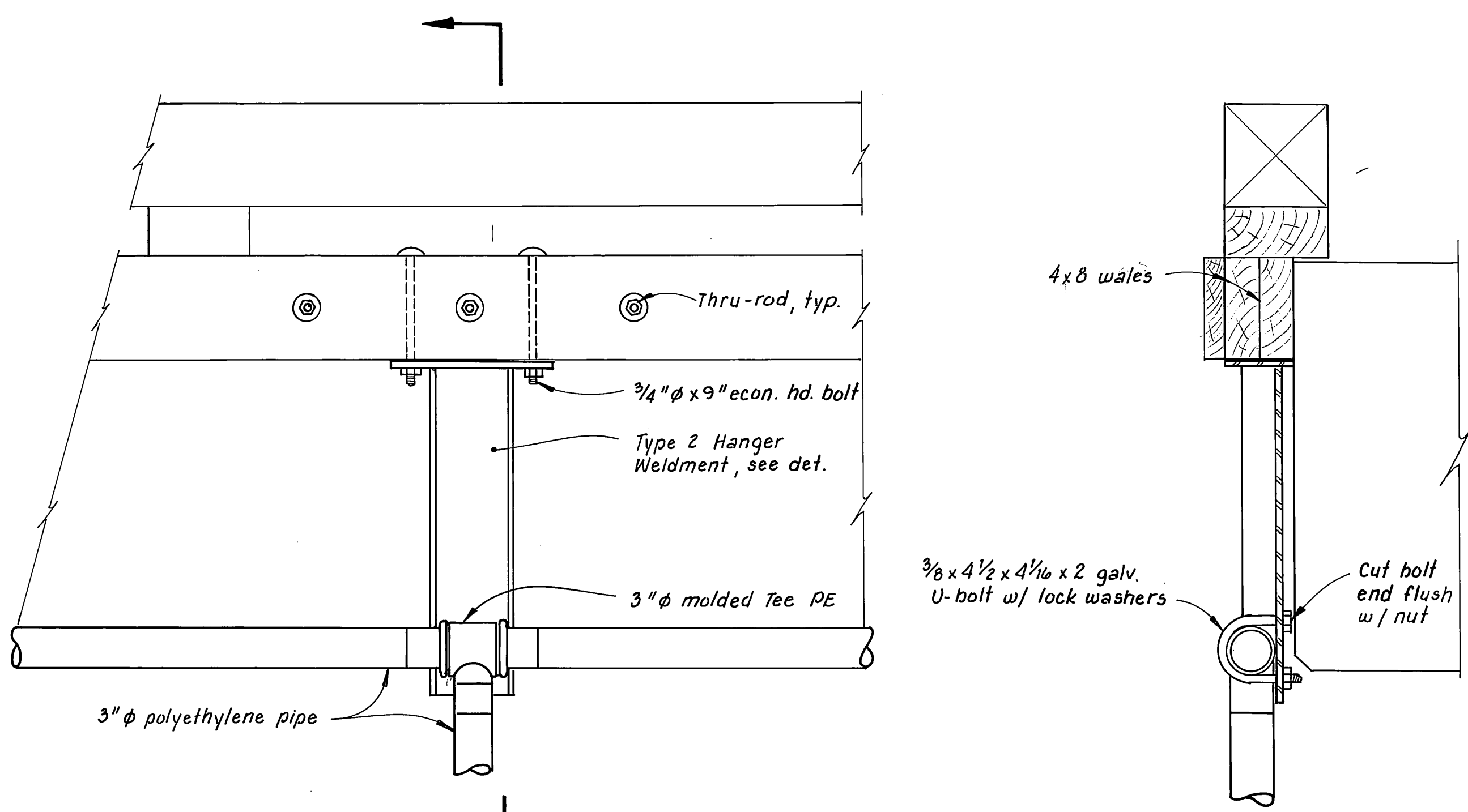


PLAN



ELEVATION

RISER SLEEVE DETAILS
6" = 1'-0"

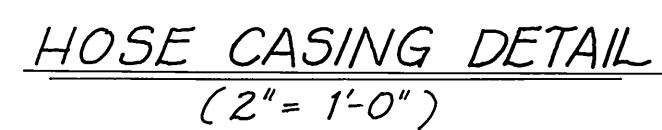


WATER CONNECTION TO FLOAT
1 1/2" = 1'-0"

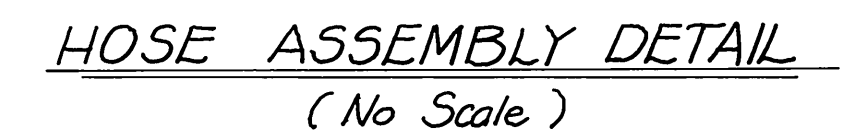
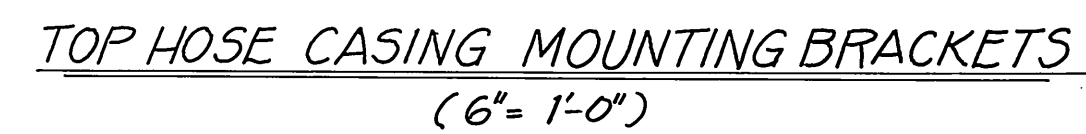
SECTION C
1 1/2" = 1'-0"

* TYPE 1 Hanger to be max. 1'-0" on cen. from riser @ hydrant only locations. Pipe to be secured to hanger w/ 3/8 x 4 1/2 x 3 3/16 x 2 U-bolt w/ lock washers.

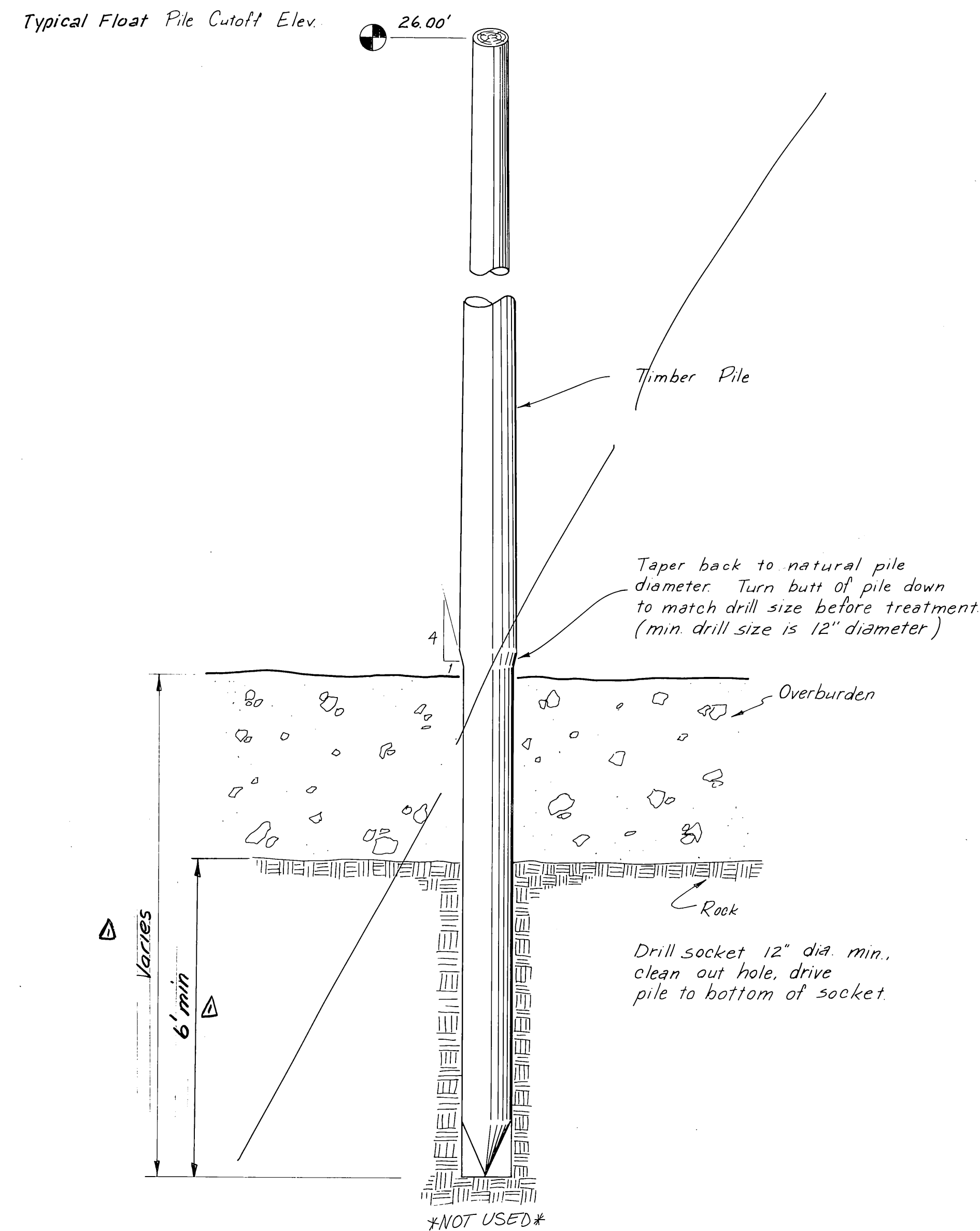
STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION	
		Sitka, Japonski Harbor	Alaska
		WATER SYSTEM DETAILS SHT. B	
SCALE <u>As Noted</u>	SURVEYED	APPROVED <u>Robert P. Beck</u>	
DESIGNED <u>B5</u>	DRAWN <u>TS / B5</u>	James A. Lowell	
CHECKED	DATE <u>12-82</u>		
PROJECT NUMBER <u>K-78153</u>		SHEET <u>25</u> OF <u>36-4</u>	



Note: All cuts and welds made prior to galvanizing.

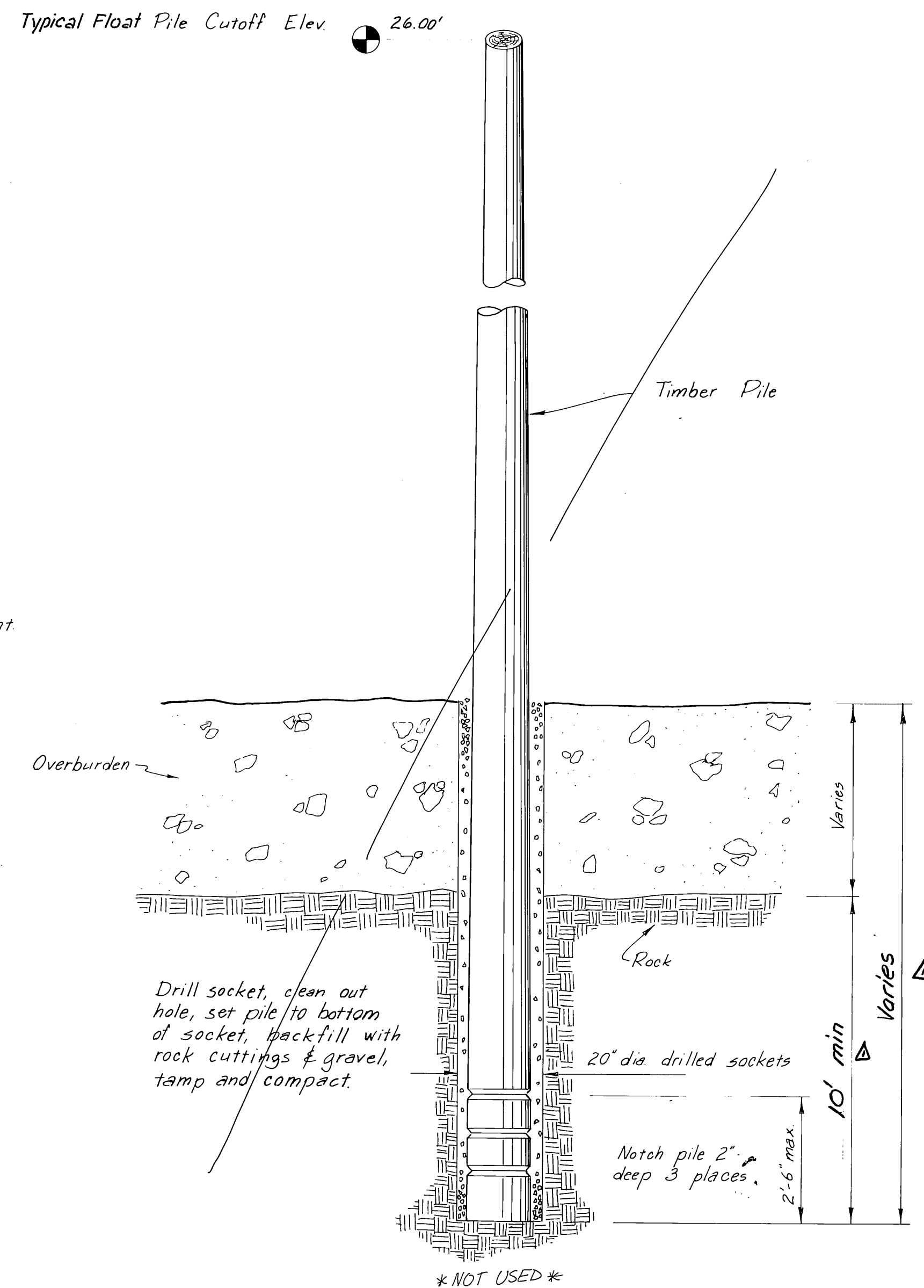


STAMP	DO NOT SCALE THIS DRAWING — USE DIMENSIONS								
	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION <i>Sitka, Japanese Harbor</i> <i>Alaska</i> <i>WATER SYSTEM DETAILS</i> <i>SHT. C</i> <table border="1" data-bbox="2591 1814 3112 1848"> <tr> <td data-bbox="2591 1814 2722 1828">SCALE <i>As shown</i></td> <td data-bbox="2722 1814 2853 1828">SURVEYED _____</td> <td data-bbox="2853 1814 3112 1828" rowspan="3">APPROVED <i>Robert P. Beck</i> <i>James A. Lowell</i></td> </tr> <tr> <td data-bbox="2591 1828 2722 1844">DESIGNED <i>B5</i></td> <td data-bbox="2722 1828 2853 1844">DRAWN <i>B5</i></td> </tr> <tr> <td data-bbox="2591 1844 2722 1848">CHECKED _____</td> <td data-bbox="2722 1844 2853 1848">DATE _____</td> </tr> </table>		SCALE <i>As shown</i>	SURVEYED _____	APPROVED <i>Robert P. Beck</i> <i>James A. Lowell</i>	DESIGNED <i>B5</i>	DRAWN <i>B5</i>	CHECKED _____	DATE _____
SCALE <i>As shown</i>	SURVEYED _____	APPROVED <i>Robert P. Beck</i> <i>James A. Lowell</i>							
DESIGNED <i>B5</i>	DRAWN <i>B5</i>								
CHECKED _____	DATE _____								
	<table border="1" data-bbox="2591 1854 3112 1895"> <tr> <td data-bbox="2591 1854 2853 1895">PROJECT NUMBER <i>K 78125</i></td> <td data-bbox="2853 1854 3112 1895">SHEET <i>2</i> OF <i>36-41</i></td> </tr> </table>		PROJECT NUMBER <i>K 78125</i>	SHEET <i>2</i> OF <i>36-41</i>					
PROJECT NUMBER <i>K 78125</i>	SHEET <i>2</i> OF <i>36-41</i>								

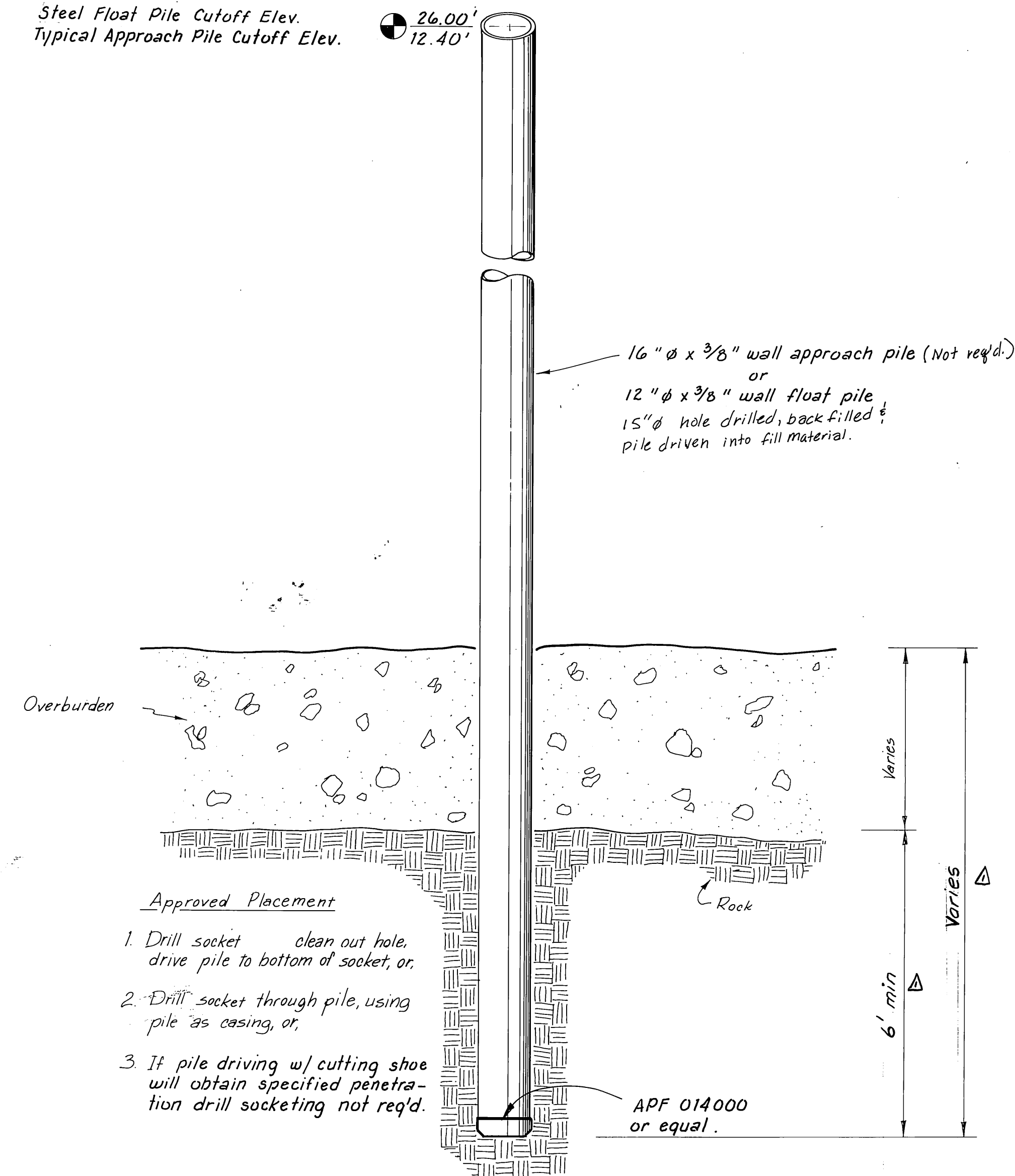


ALTERNATE WOOD PILE SOCKET DETAILS

N.T.S.



Steel Float Pile Cutoff Elev. 26.00'
Typical Approach Pile Cutoff Elev. 12.40'



STEEL PILE SOCKET DETAIL

N.T.S.

Rock Drilling Depth 15 1:24.33

STAMP		DO NOT SCALE THIS DRAWING — USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION	
		Sitka Japanski Harbor Alaska	
PILE SOCKET DETAILS			
SCALE None	SURVEYED	APPROVED Robert P. Beck	
DESIGNED DB	DRAWN DB	James A. Lowell	
CHECKED	DATE 10/02		
PROJECT NUMBER K78125	SHEET 27	OF 36	

LEGEND

- AERIAL CABLE : SAG OF 0.5 FEET, 200% OF MANUFACTURER'S RECOMMENDATION, OR AS SPECIFIED.
 --- CABLE WITHIN FLOAT OR WIRE IN CONDUIT
 ○ LIGHT POLE
 ● LUMINAIRE : SEE INDIVIDUAL DETAILS A & D
 ▽ 120 VOLT POWER PEDESTAL
 ▽ 120-240 VOLT POWER PEDESTAL
 □ DUPLEX RECEPTACLE
 □ PHOTOELECTRIC CELL
 ○ EQUIPMENT GROUND CONNECTION
 ○ DETAIL
 GRS GALVANIZED RIGID STEEL
 AFG ABOVE FINISHED GRADE
 DC DEADEND CLEVIS

NOTES

- ① ALL COMPONENTS NOTED AS "GALVANIZED" SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION OR STAINLESS STEEL.
- ② NO BOLT OR OTHER MOUNTING HARDWARE SHALL PENETRATE CONCRETE FLOATS. ALL MOUNTING SHALL BE TO WOOD OR PRECAST INSERTS.
- ③ ALL WOOD PRODUCTS PROVIDED SHALL CONFORM TO STRUCTURAL SPECIFICATIONS.

EXISTING OVERHEAD
LINE TO BE RELOCATED.
REFER TO SHEET E-8.

EXISTING OVERHEAD
POWER LINE & POLES
MAINTAINED BY THE
CITY OF SITKA
12.47 / 7.2 KV, 3Ø

EXISTING

EXISTING

SITE PLAN-LIGHTING & DISTRIBUTION

SCALE : 1" = 50'-0"

1 OR 2 (AS SHOWN) 250 WATT HIGH PRESSURE
SODIUM ROADWAY LUMINAIRES PER POLE.
THORN ALPHA 8 (QAB5250/P) 240 VOLT,
IES TYPE II EQUIPPED W/ PHOTOCELL &
DOUBLE LINE FUSES. Contractor using #12 HAW Stranded copper inside poles

TYPICAL
OF 83 # 8 XHHW
IN 1" CONDUIT

NEW 2" CONDUIT
(TELEPHONE)
TRANSFORMER #2
TELEPHONE PEDESTAL
NEW 2" CONDUIT
STUB & CAP 10' AFG
ON THIS POLE
(TELEPHONE)

NEW 4" CONDUIT
STUB & CAP 10' AFG
ON THIS POLE ONLY.

POLE RISER

NEW 2" CONDUIT FOR TELEPHONE.
RUN FROM PEDESTAL THROUGH
APPROACH SLEEVES. CAP JUST
BEYOND GANGWAY SLEEVE. TYP OF 2.

TRANSFORMER #1

NEW 4" CONDUIT
W/ #2 URD CABLE
TELEPHONE PEDESTAL

NEW 2" CONDUIT FOR TELEPHONE.
STUB & CAP 10' AFG ON POLE.
PROVIDE PEDESTAL AS SHOWN
TO TELEPHONE COMPANY
SPECIFICATIONS.
TYP OF 2.

SPARE
CONDUIT
STUBBED &
CAPPED 5'
FROM BASE
TYPICAL OF 3.

NEW 4" CONDUIT W/ #2 URD CABLE
POLE RISER

* Distances Are Given From Bay Tape

STAMP

DO NOT SCALE THIS DRAWING - USE DIMENSIONS

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

Sitka, Japonski Harbor

Alaska

UPLAND ELECTRICAL DEVELOPMENT PLAN

SCALE 1" = 50'

DESIGNED PG

CHECKED

PROJECT NUMBER K78125

SURVEYED

DRAWN TSM

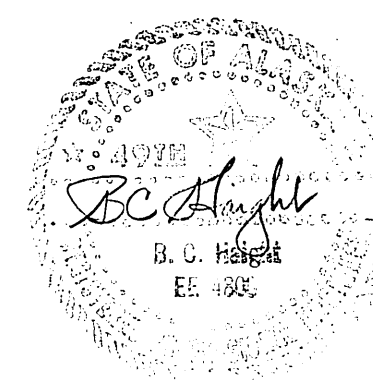
DATE 9-82

SHEET 28 OF 36 41

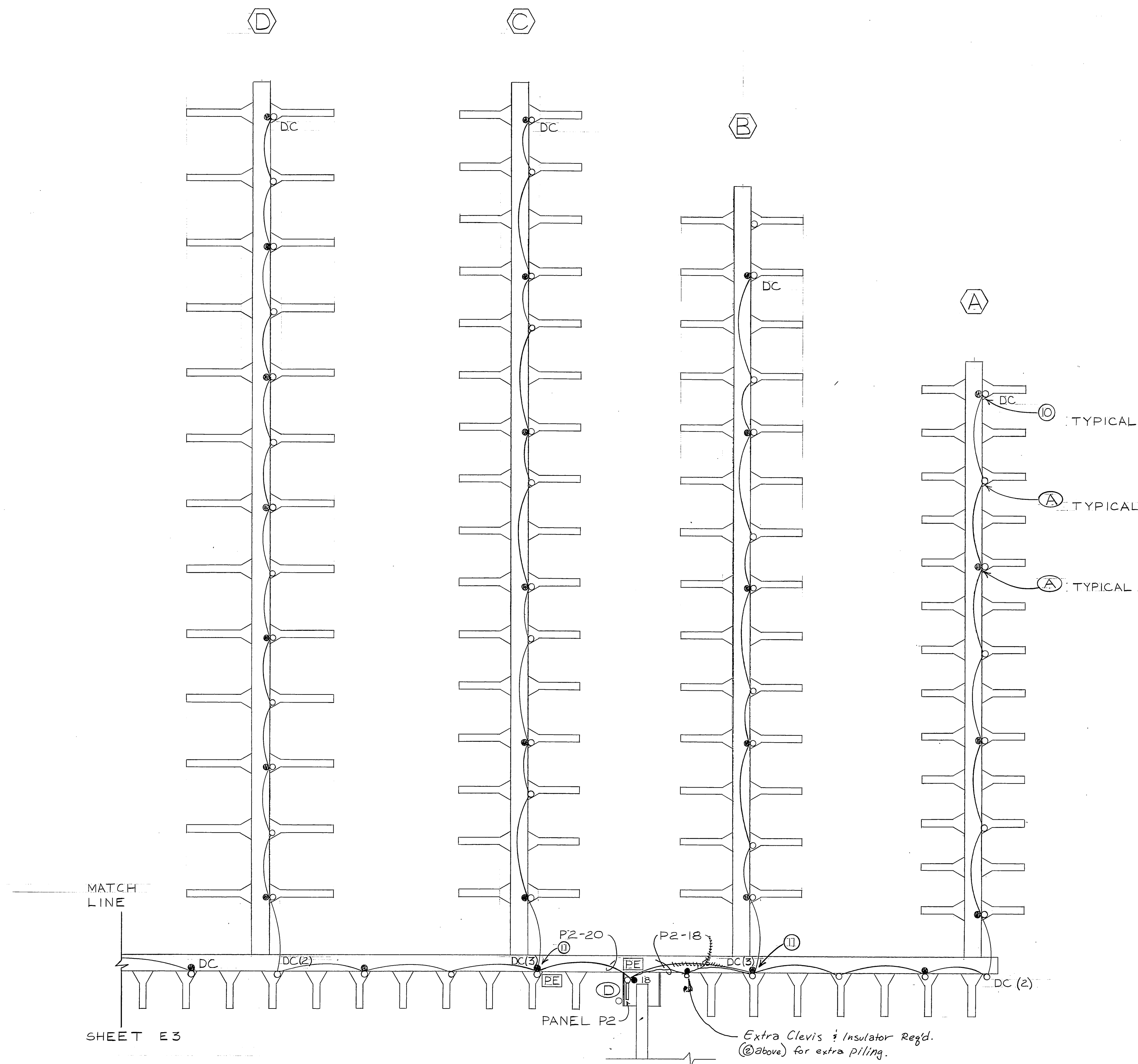
APPROVED

Robert P. Beck

James A. Lowell

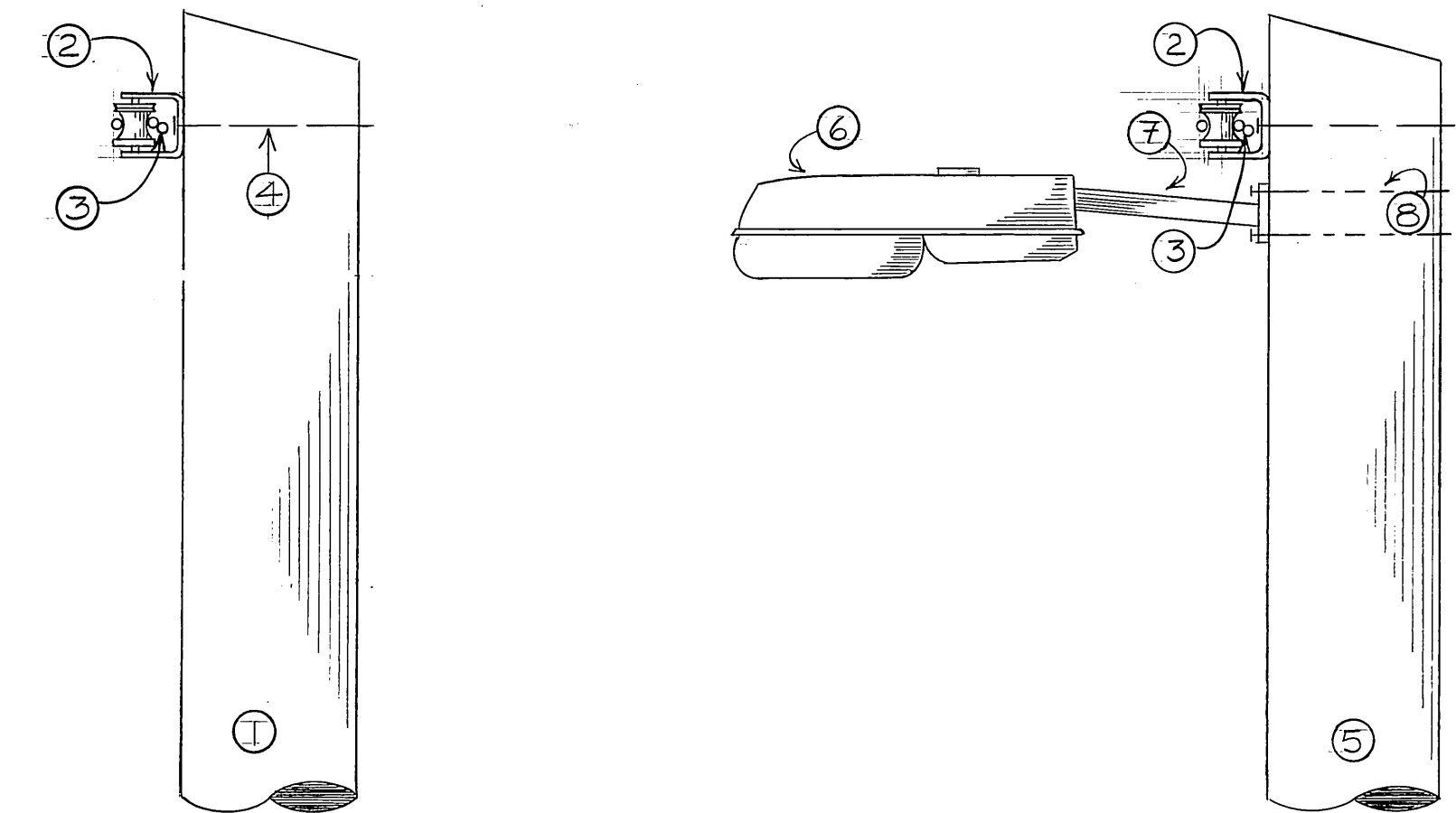


E1



SITE PLAN-LIGHTING: FLOATS A, B, C, D, & H

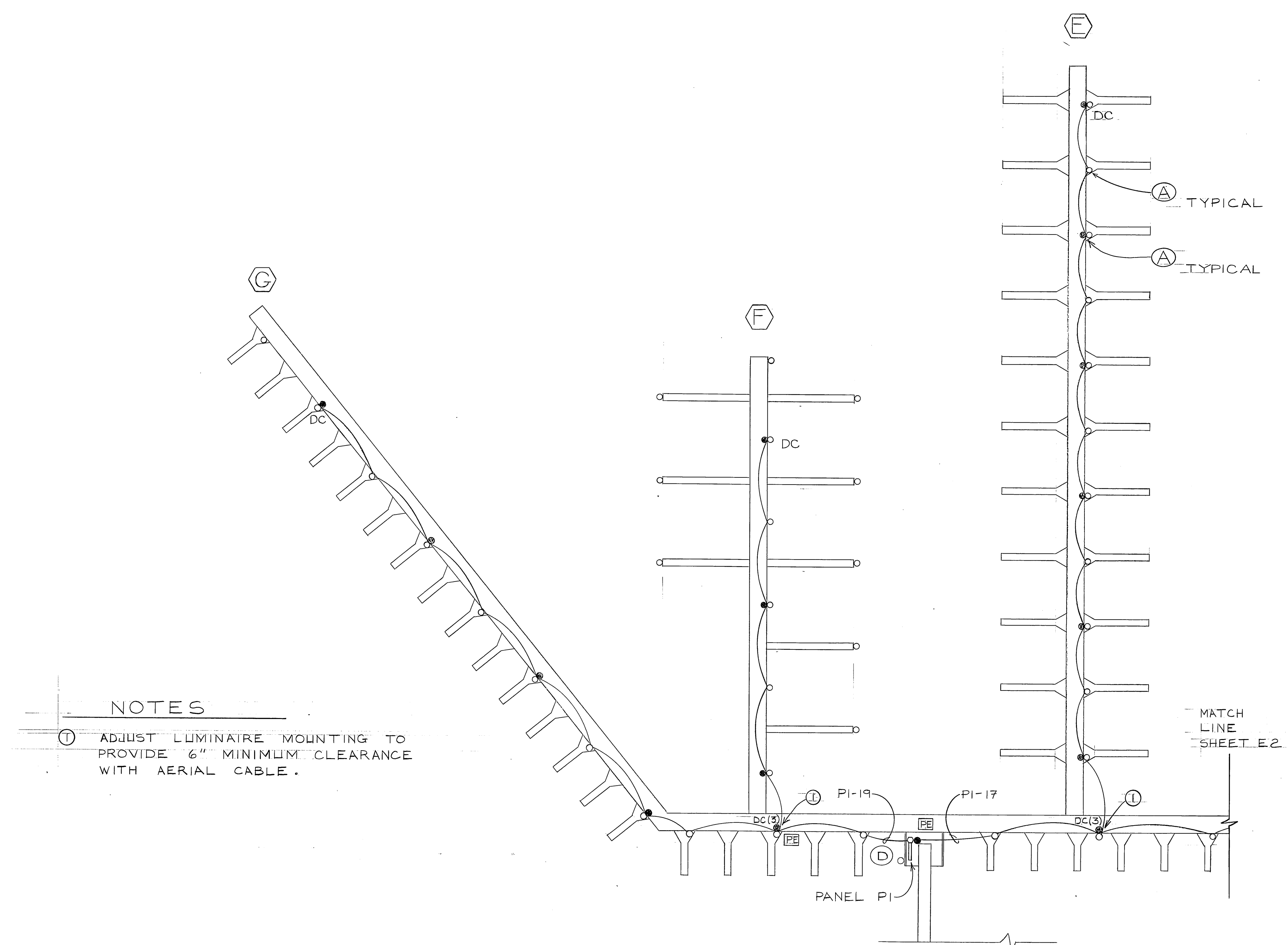
SCALE: 1" = 30'-0"

A LIGHTING/AERIAL LINE DETAIL
SCALE: 1" = 1'-0"

NOTES

- ① PILING W/AERIAL LINE SUPPORT
- ② CLEVIS & INSULATOR: JOSLYN J93 & J151
- ③ AERIAL CABLE: #6 TRIPLEX W/ ACSR MESSENGER
- ④ 5/8" GALVANIZED BOLT
- ⑤ PILING W/AERIAL LINE SUPPORT & LUMINAIRE
- ⑥ LUMINAIRE: THORN BETA 79, 70 WATT HIGH PRESSURE SODIUM, IES TYPE I (QB79S70). EQUIP W/PHOTOELECTRIC CELL AS SHOWN ON E-2 & E-3 TO CONTROL CIRCUIT.
- ⑦ LUMINAIRE POLE BRACKET, GALVANIZED. MOUNT AT +25.0'
- ⑧ 3/8" GALVANIZED BOLTS
- ⑨ MAKE CONNECTION FROM AERIAL CABLE TO LUMINAIRE W/ 10/3 SO CABLE (BLACK). TY-RAP TO LINE SUPPORT PIN & PILING.
- ⑩ MOUNT DEADEND CLEVIS (SAME AS ②) TO FACE CONDUCTOR BEING TERMINATED.
- ⑪ ADJUST LUMINAIRE MOUNTING TO PROVIDE 6" MINIMUM CLEARANCE WITH AERIAL CABLE.

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION	
		Sitka, Japonski Harbor Alaska	
		LIGHTING PLAN SHT. A	
SCALE: NOTED DESIGNED: PG CHECKED:	SURVEYED: DRAWN: TSM DATE: 9-82	APPROVED: Robert P. Beck James A. Lowell	
PROJECT NUMBER: K78125		SHEET 29 OF 36	

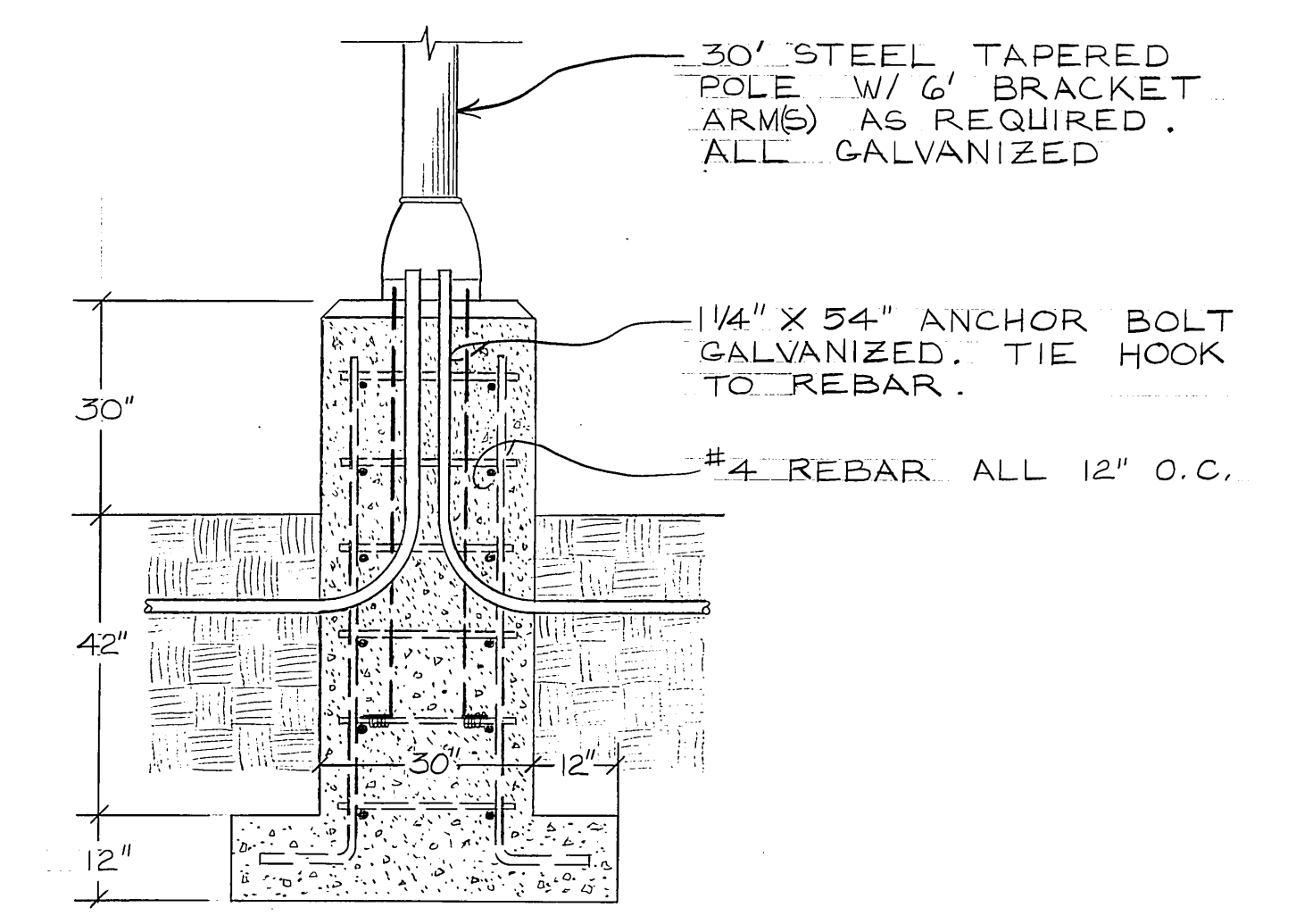


NOTES

① ADJUST LUMINAIRE MOUNTING TO PROVIDE 6" MINIMUM CLEARANCE WITH AERIAL CABLE.

SITE PLAN - LIGHTING: FLOATS E, F, & G

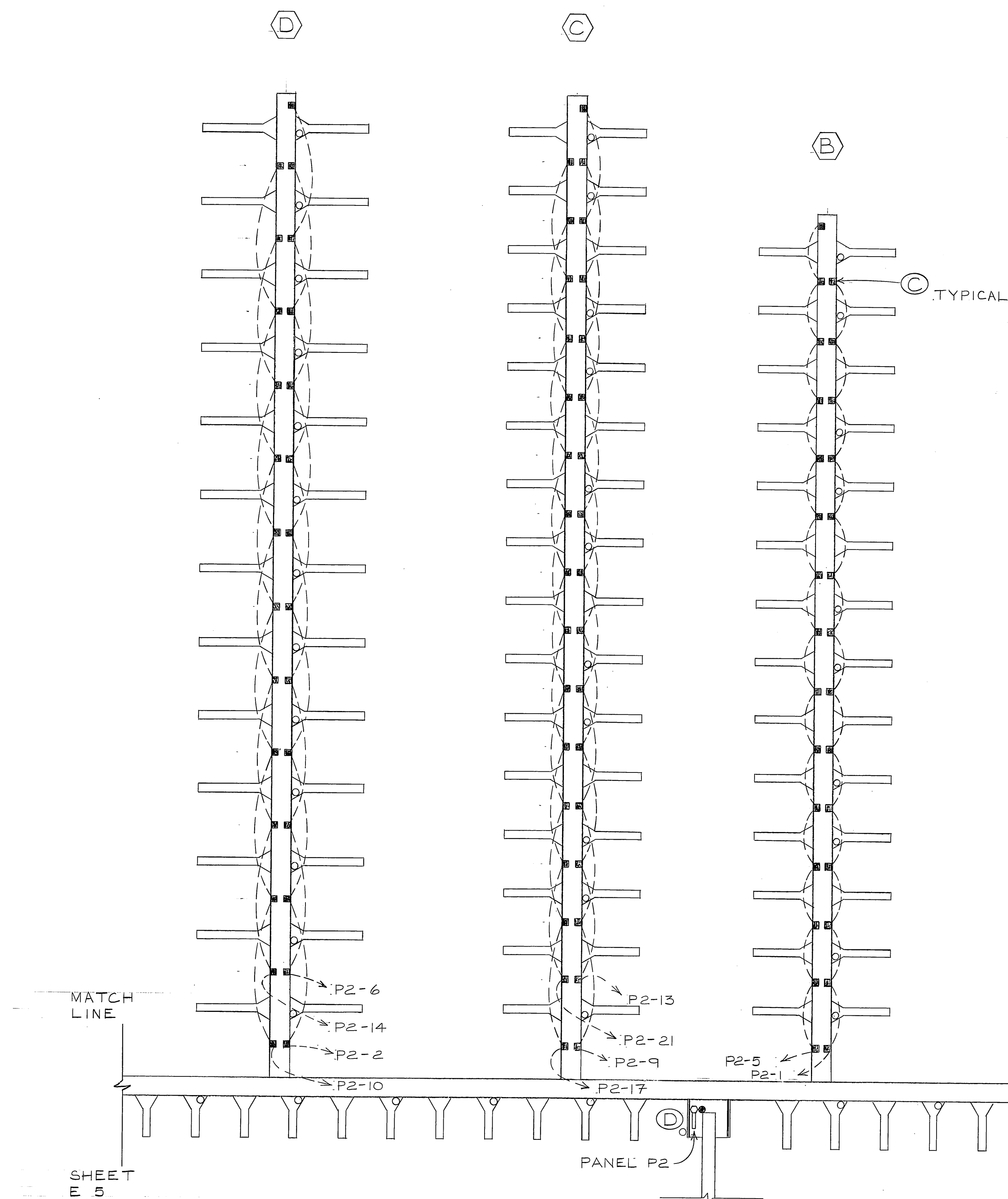
SCALE: 1" = 30'-0"



② LUMINAIRE FOUNDATION

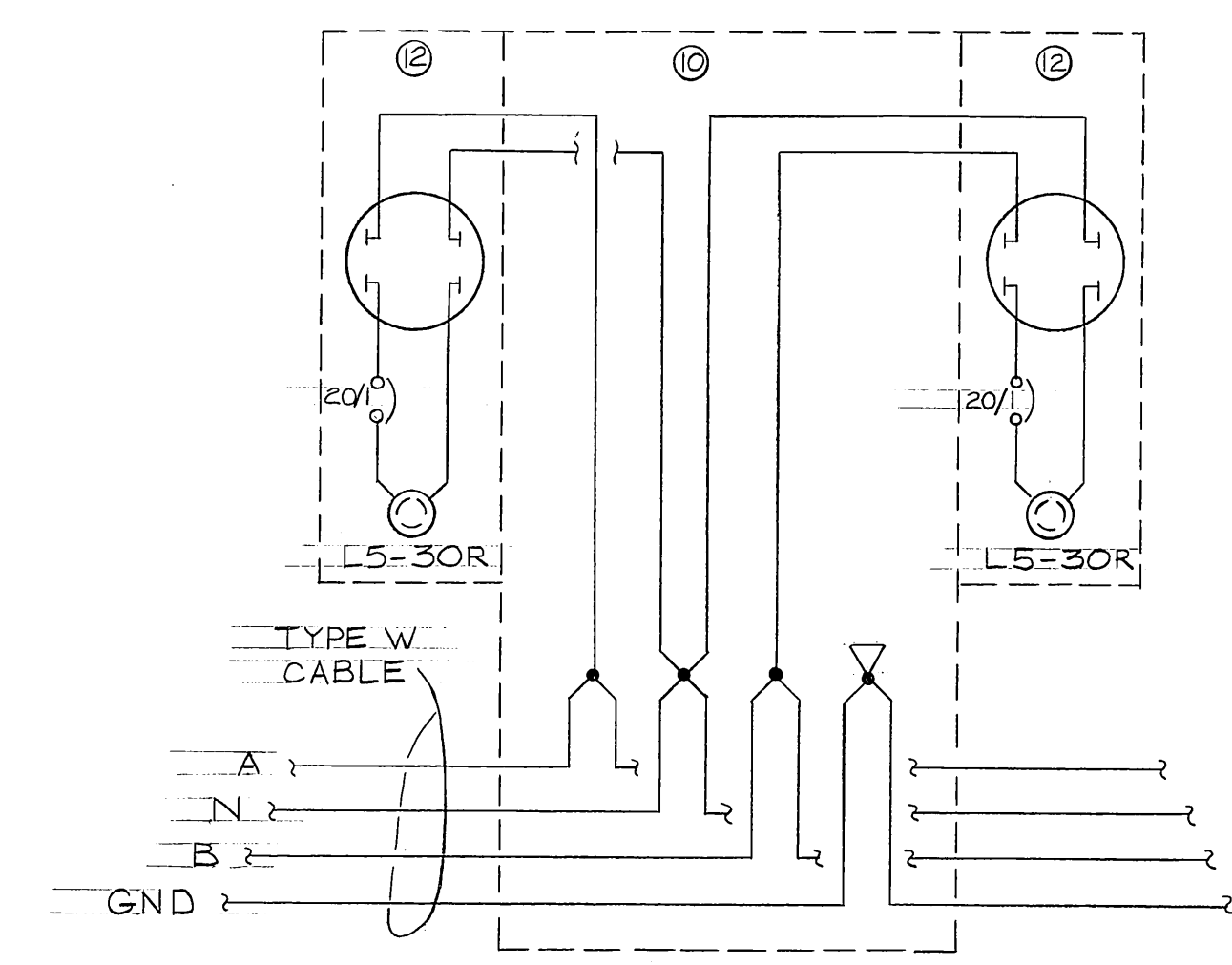
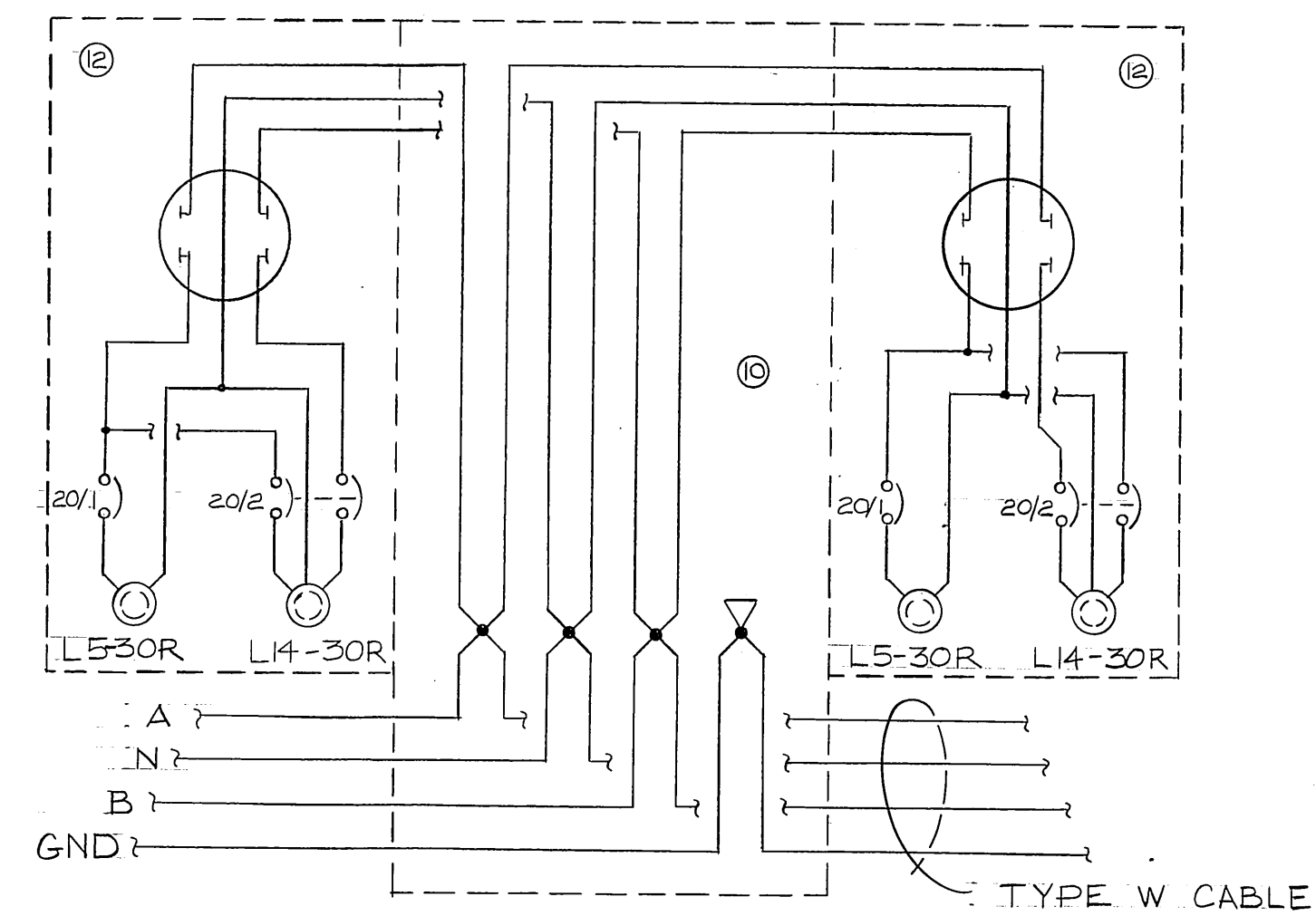
SCALE: 1/2" = 1'-0"

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION	
		Sitka, Japonski Harbor Alaska	
		LIGHTING PLAN SHT. B	
SCALE NOTED	SURVEYED	APPROVED Robert P. Beck	
DESIGNED PG	DRAWN TSM	James A. Lowell	
CHECKED	DATE 9-82		
PROJECT NUMBER K 78125		SHEET 30 OF 36-41	

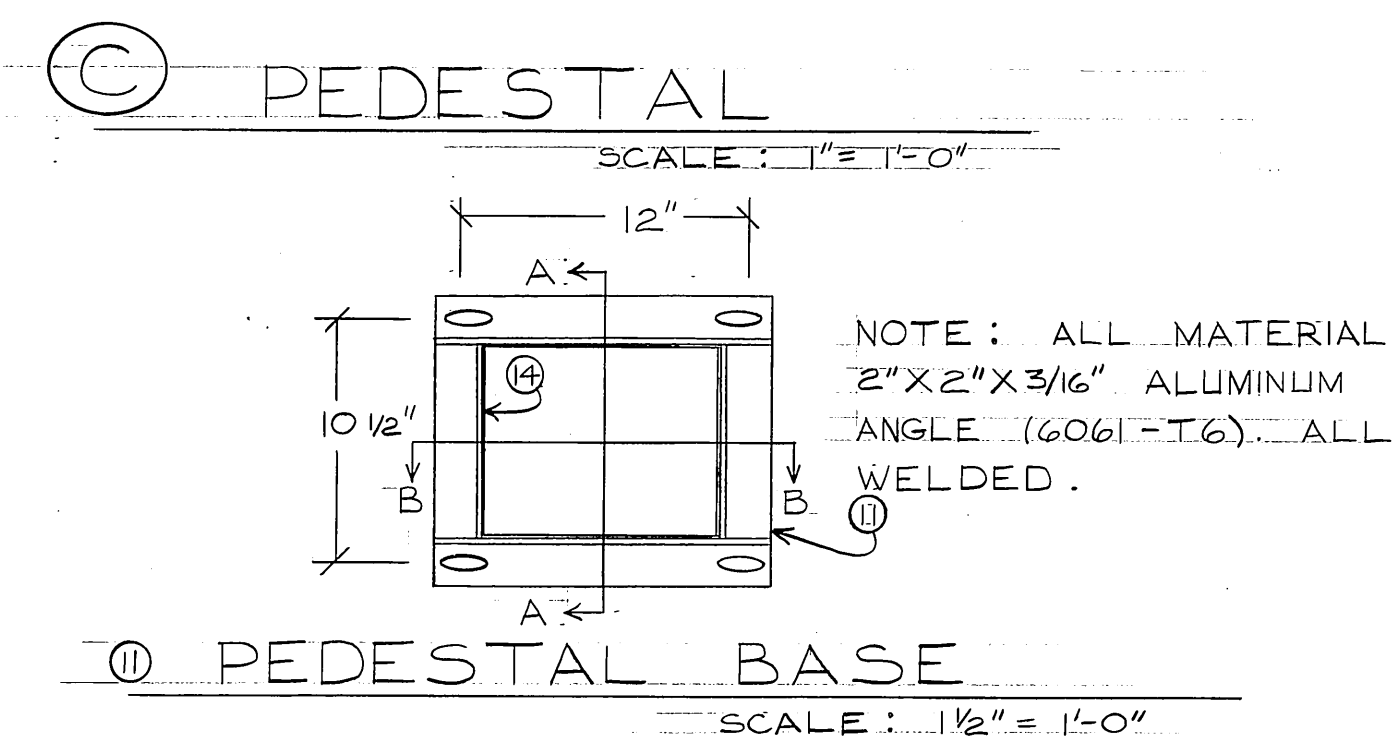
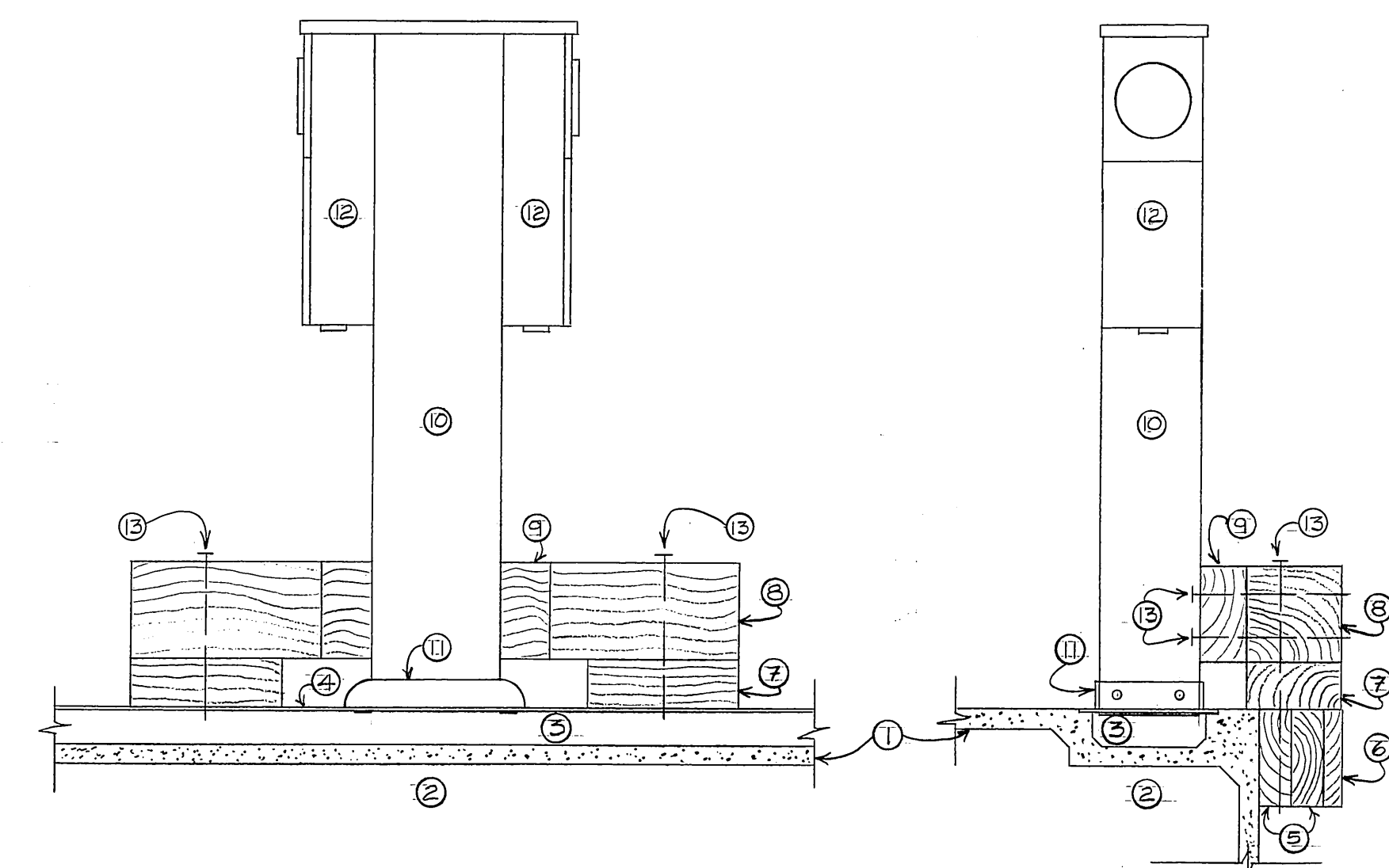
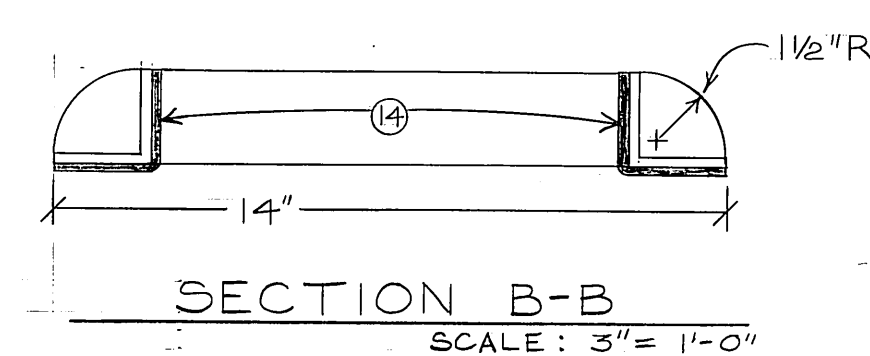
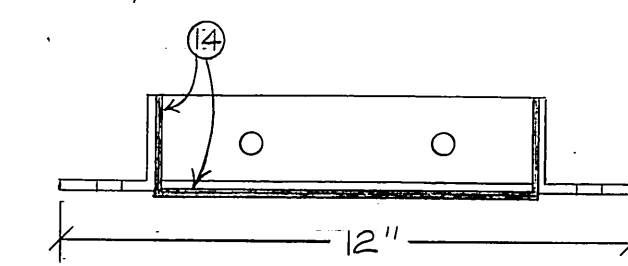


SITE PLAN-POWER: FLOATS A,B,C,D, & H

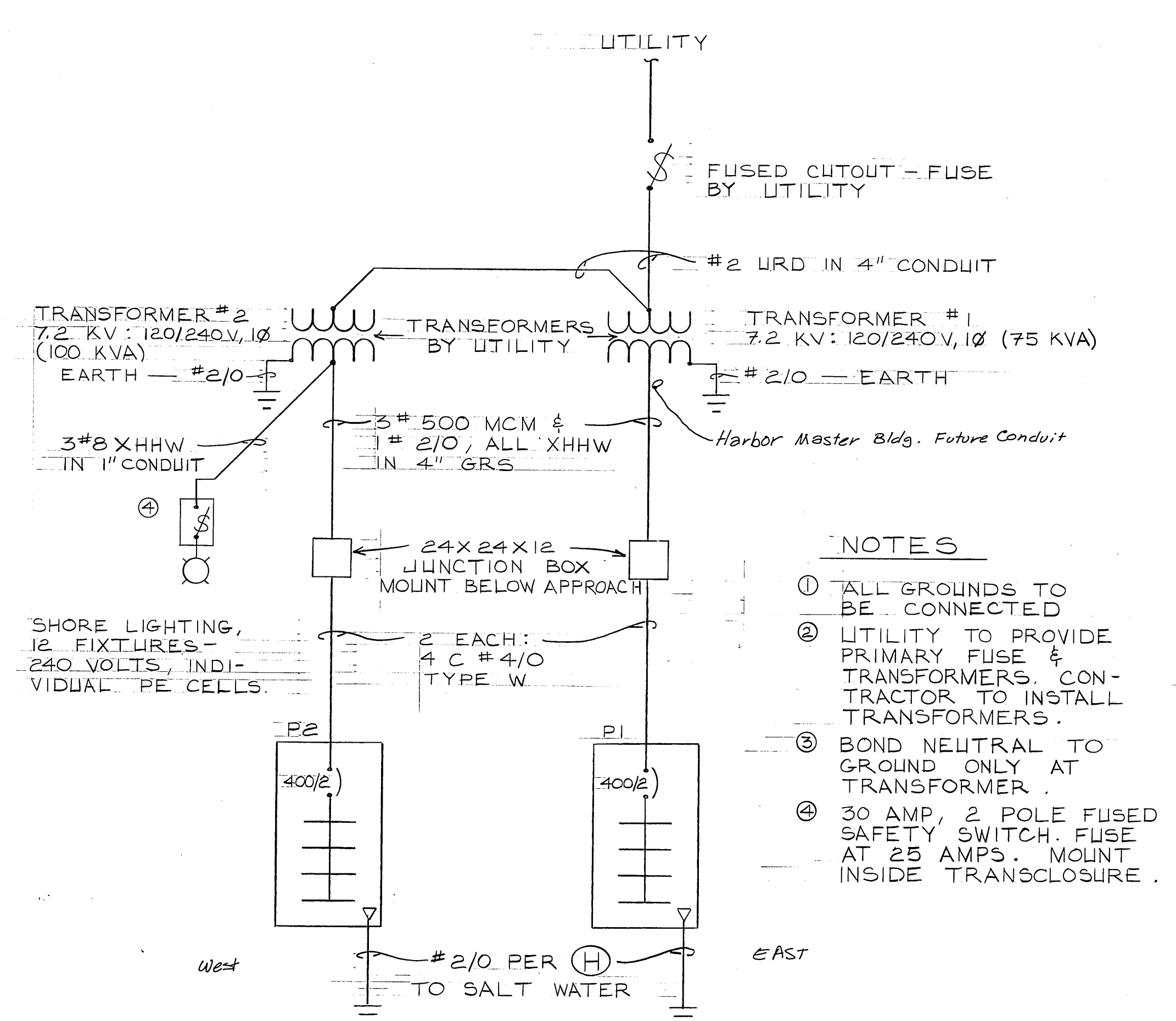
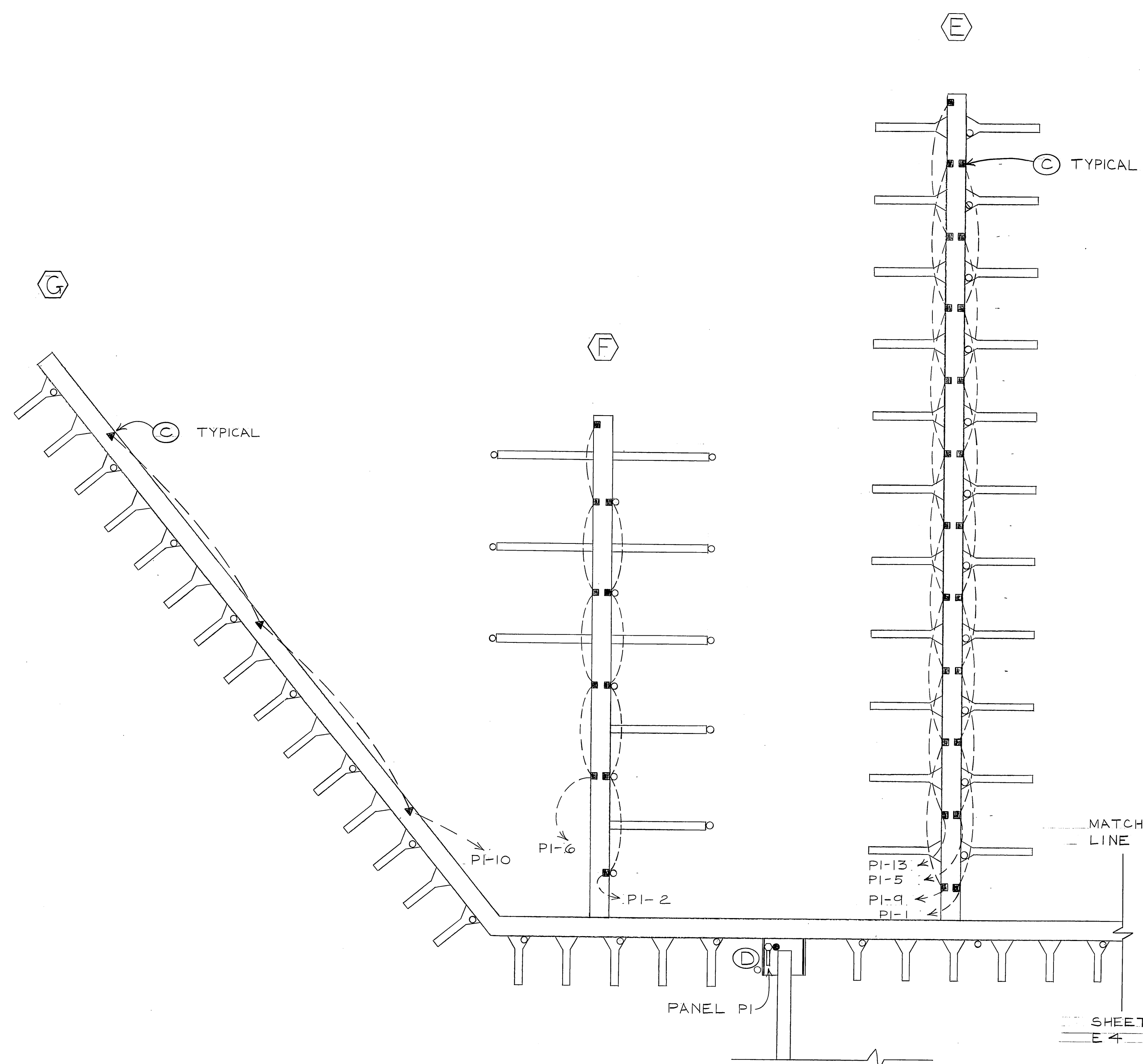
SCALE: 1"=30'-0"



- 1 CONCRETE FLOAT
2 FLOTATION MATERIAL
3 UTILITY TRENCH
4 TRENCH COVER
5 3X8 WALES
6 2X8 BUMPER
7 4X8 BLOCKING
8 8X8 SUPPORT
9 4X8 SPACER
10 8X10 PEDESTAL
11 PEDESTAL BASE - SEE DETAILS
12 POWER HEAD W/ METER BASE, CIRCUIT BREAKER, & RECEPTACLE
13 ALL BOLTS 5/8", GALVANIZED
14 SCOTCH #2210 VINYL TAPE. ONE WRAP AROUND BASE INTERIOR. FOLD UNDER ON TRENCH ENDS FOR CABLE PROTECTION.
15 MOUNT PEDESTAL TO BASE WITH 1/2" STAINLESS STEEL HARDWARE.
16 ITEMS 10, 11, & 12 TO BE CONSTRUCTED OF 6061-T6 MARINE ALUMINUM. UTILIZE STAINLESS STEEL WASHERS WHEN SECURING PEDESTAL TO SUPPORT RAIL, 8.
- REFER TO STRUCTURAL



STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION	
		Sitka, Japonski Harbor Alaska	
POWER PLAN SHT. A			
SCALE NOTED	SURVEYED	APPROVED Robert P. Beck	
DESIGNED PG	DRAWN TSM	James A. Lowell	
CHECKED	DATE 4-82		
PROJECT NUMBER K78125	SHEET 31 OF 3641		



- NOTES
- 1. ALL GROUNDS TO BE CONNECTED
 - 2. UTILITY TO PROVIDE PRIMARY FUSE & TRANSFORMERS. CONTRACTOR TO INSTALL TRANSFORMERS.
 - 3. BOND NEUTRAL TO GROUND ONLY AT TRANSFORMER.
 - 4. 30 AMP, 2 POLE FUSED SAFETY SWITCH. FUSE AT 25 AMPS. MOUNT INSIDE ENCLOSURE.

SINGLE LINE DIAGRAM
NO SCALE

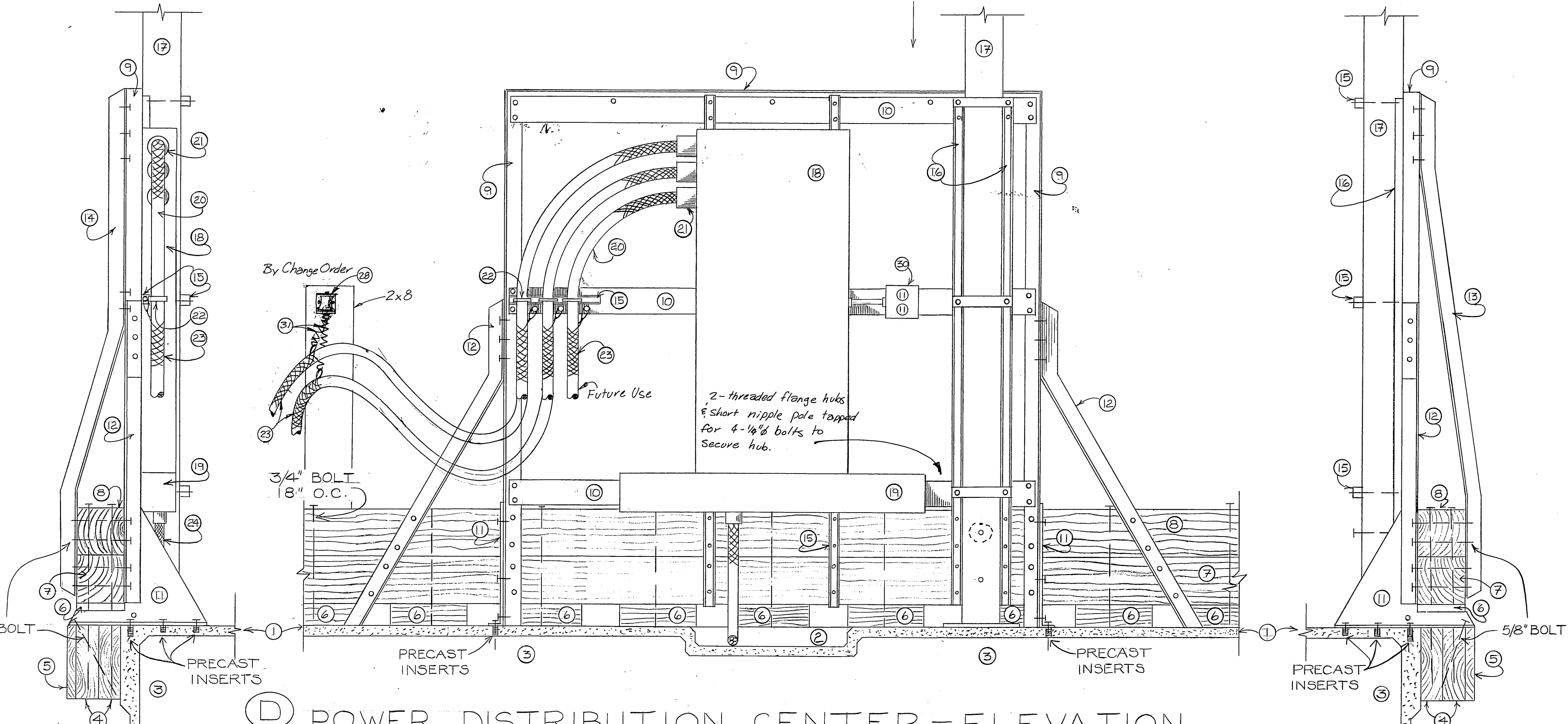
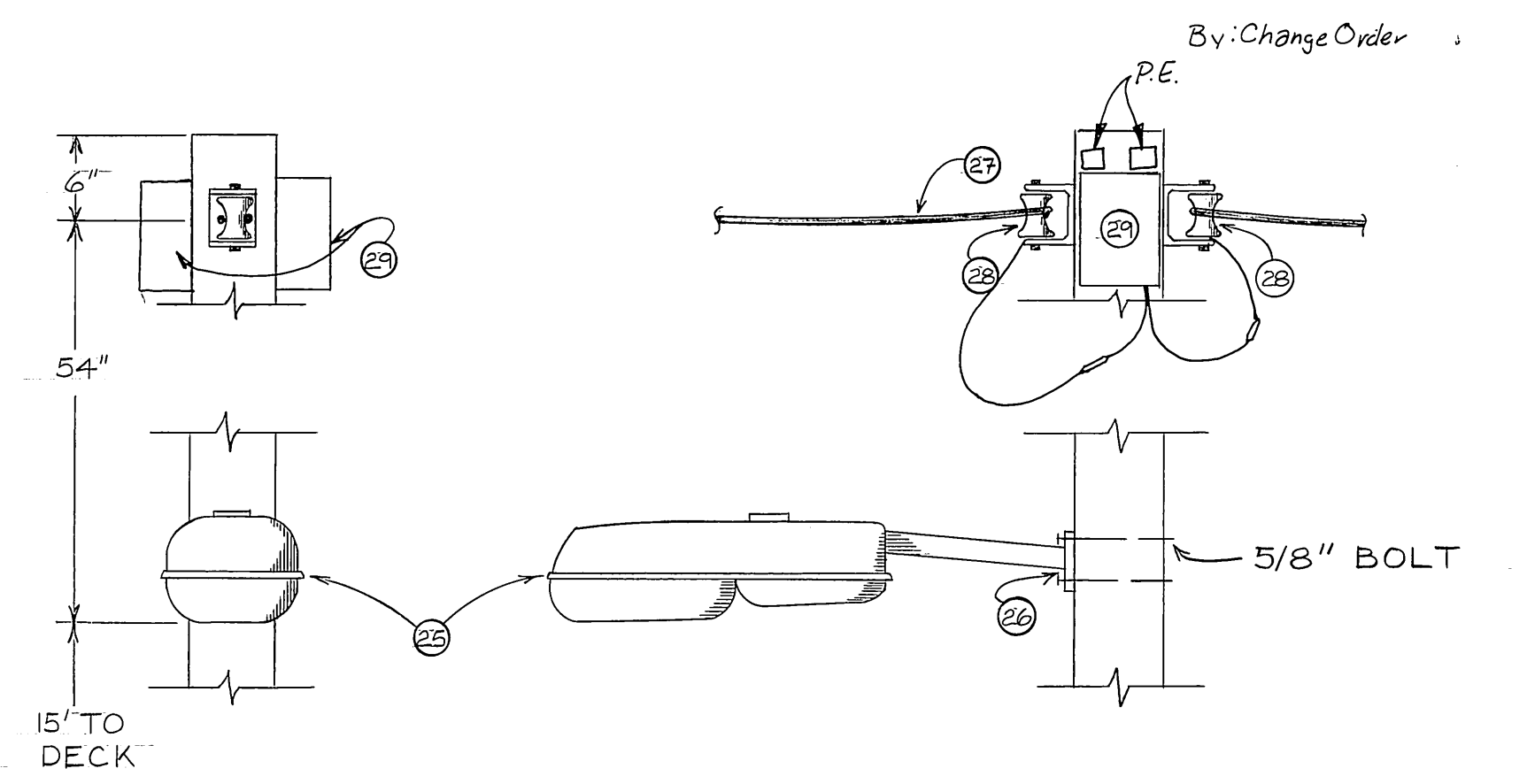
SITE PLAN-POWER: FLOATS E, F, & G
SCALE: 1"=30'-0"

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION	
		Sitka, Japonski Harbor Alaska	
POWER PLAN SHT. B			
SCALE NOTED	SURVEYED	APPROVED Robert P. Beck	
DESIGNED PG	DRAWN TSM		
CHECKED	DATE 9-82	James A. Lowell	
PROJECT NUMBER K78125	SHEET 32 OF 36		

PANEL P1		SIZE		VOLTS/PHASE		MAIN		LOCATION	
		400 AMP		120-240/1Ø		400 AMP		E. GANGWAY FLT.	
CKT. NO.	WIRE NO./SIZE TYPE	DESCRIPTION	BRKR. AMP/POLE	CKT. AØ	BØ	CKT. AMP/POLE	DESCRIPTION	WIRE NO./SIZE TYPE	CKT. NO.
1	4/2,W	FLOAT E, WEST-ODD	60/2	5.4	11.4	6.0	70/2	FLOAT F, WEST	4/1-ØW
3				5.4	11.4	6.0			4
5	4/2,W	FLOAT E, WEST-EVEN	60/2	4.5	10.5	6.0	70/2	FLOAT F, EAST	4/1-ØW
7				4.5	10.5	6.0			8
9	4/2,W	FLOAT E, EAST-ODD	60/2	5.4	13.8	8.4	100/2	FLOAT G	4/1-ØW
11				5.4	13.8	8.4			12
13	4/2,W	FLOAT E, EAST-EVEN	60/2	5.4	5.4			SPACE	
15				5.4	5.4				16
17	3/6	LIGHTING-FLT. E & GANGWAY	20/1	1.2	1.2				18
19	3/6	LIGHTING-FLOAT F & G	20/1	0.8	0.8				20
21	3/12	UTILITY RECEPTACLE	20/1GFI	0.4	.4				22
23		SPACE							24
25									26
27									28
29									30
CONNECTED: 84.6				42.7	41.9		DEMAND: 67.7		

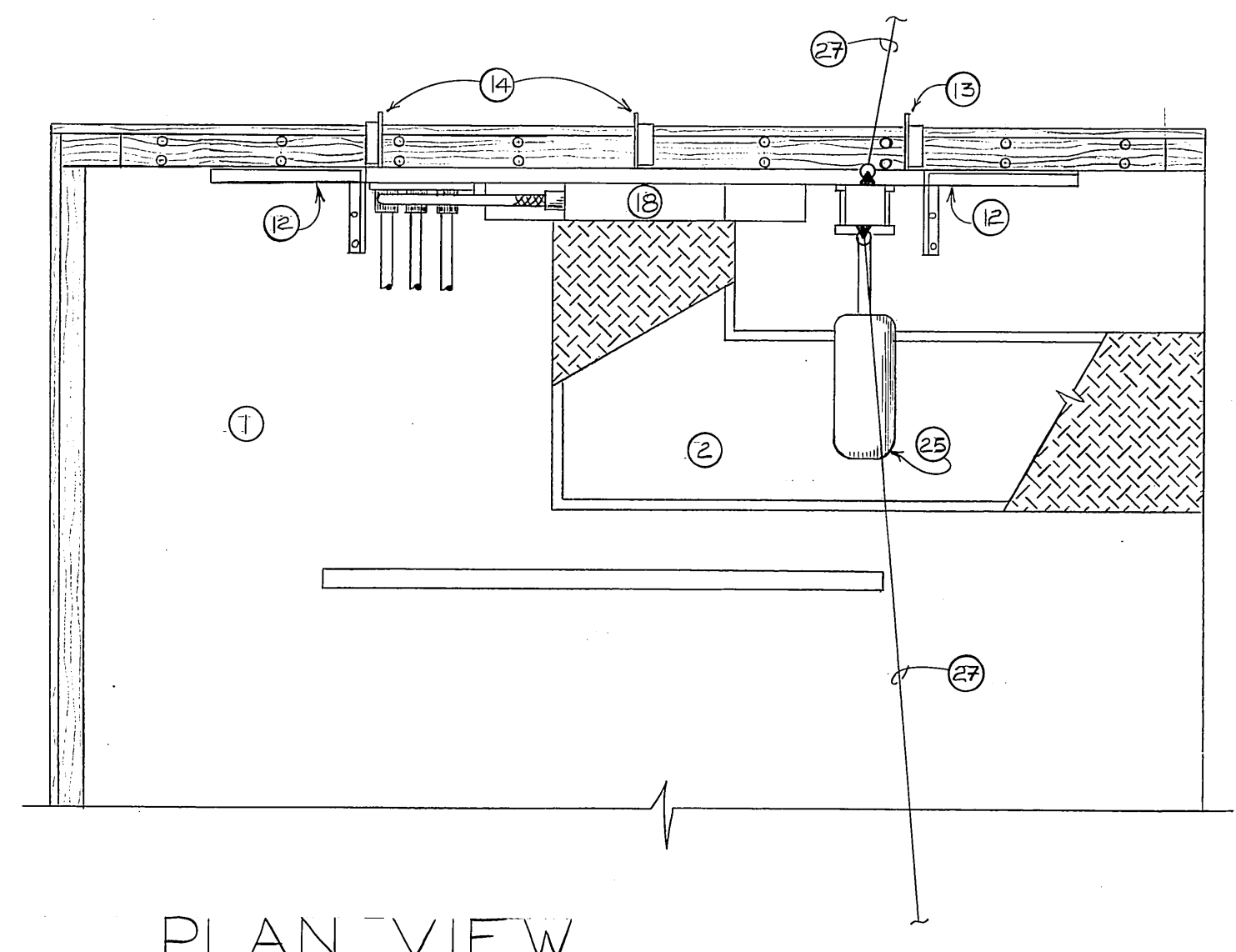
PANEL P2		SIZE		VOLTS/PHASE		MAIN		LOCATION	
		600 AMP		120-240/1Ø		400 AMP		W. GANGWAY FLT.	
CKT. NO.	WIRE NO./SIZE TYPE	DESCRIPTION	BRKR. AMP/POLE	CKT. AØ	BØ	CKT. AMP/POLE	DESCRIPTION	WIRE NO./SIZE TYPE	CKT. NO.
1	4/1-ØW	FLOAT B, WEST	100/2	8.4	14.7	6.3	70/2	FLOAT D, WEST-ODD	4/1-ØW
3				8.4	14.7	6.3			4
5	4/1-ØW	FLOAT B, EAST	100/2	9.0	15.3	6.3	70/2	FLOAT D, WEST-EVEN	4/1-ØW
7				9.0	15.3	6.3			8
9	4/2,W	FLOAT C, WEST-ODD	60/2	5.4	11.7	6.3	70/2	FLOAT D, EAST-ODD	4/1-ØW
11				5.4	11.7	6.3			12
13	4/2,W	FLOAT C, WEST-EVEN	60/2	4.8	10.2	5.4	60/2	FLOAT D, EAST-EVEN	4/1-ØW
15				4.8	10.2	5.4			16
17	4/2,W	FLOAT C, EAST-ODD	60/2	4.8	6.3	1.5	20/1	LIGHTING-FLTS. A & B & GANGWAY	3/6
19				4.8	6.3	1.5	20/1	LIGHTING-FLOATS C & D	3/6
21	4/2,W	FLOAT C, EAST-EVEN	60/2	4.8	5.2	.4	20/1	UTILITY RECEPTACLE	3/12
23				4.8	4.8				24
25		SPACE							26
27									28
29									30
31									32
33									34
35									36
CONNECTED: 126.4 KVA				63.4	63.0		DEMAND: 95.3 KVA		

- 1 CONCRETE FLOAT
 - 2 UTILITY TRENCH
 - 3 FLOTATION MATERIAL
 - 4 4"X12 WALES
 - 5 2X12 BUMPER
 - 6 4X8 BLOCKING
 - 7 8X8 TIE DOWN RAIL
 - 8 8X8 SUPPORT BLOCK
 - 9 2 1/2"X2 1/2"X 1/4" ANGLE STEEL STAND
 - 10 4"X 1/4" FLAT STEEL PLATE
 - 11 1/4" FLAT STEEL PLATE GUSSET
- REFER TO STRUCTURAL FOR SPECIFICATIONS.
- ALL WELDED & GALVANIZED



POWER DISTRIBUTION CENTER - ELEVATION

SCALE: 1"=1'-0"



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

- 12 2 1/2"X2 1/2"X 1/4" ANGLE STEEL BRACE
 - 13 SAME
 - 14 SAME (TYPICAL OF 2)
 - 15 1 1/2"X1 1/2"X 1/4" CHANNEL ERECTOR
 - 16 1 1/2"X 3"
 - 17 6"X6"X20' SQUARE STEEL, NON-TAPERED LIGHT STANDARD
 - 18 PANEL BOARD
 - 19 6"X6" WIREWAY, HINGED & GASKETED, RAINLIGHT
 - 20 SERVICE CABLE (2 REQUIRED PLUS SPACE FOR 1 FUTURE)
 - 21 SERVICE CABLE CONNECTOR & WIRE MESH GRIP
- ALL GALVANIZED

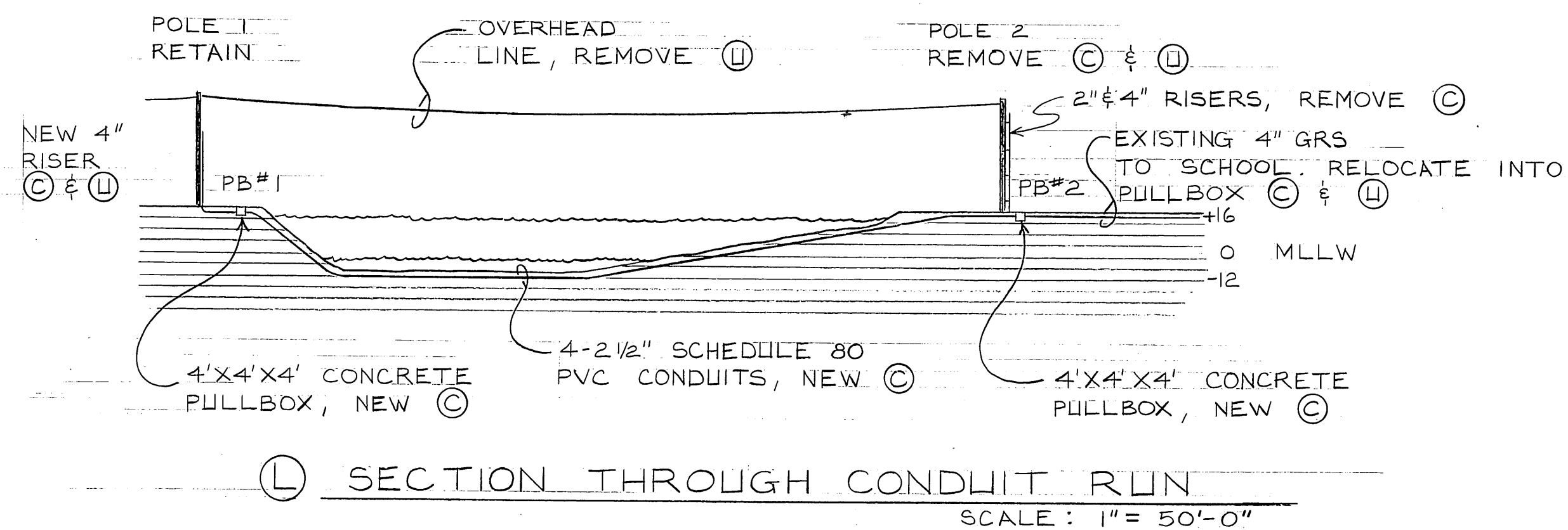
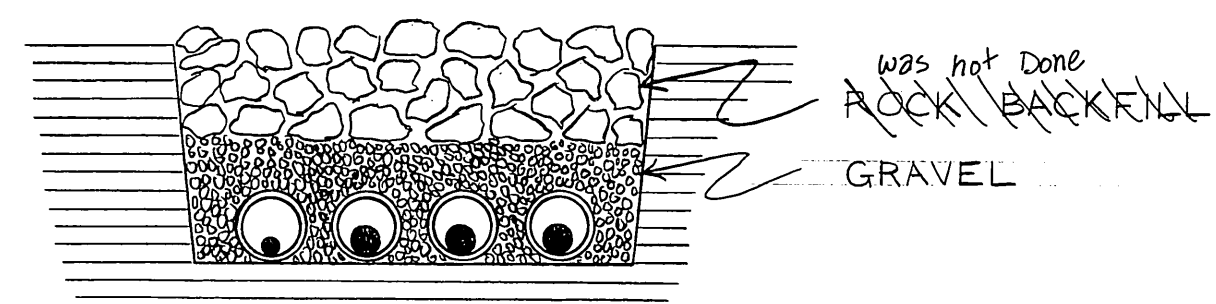
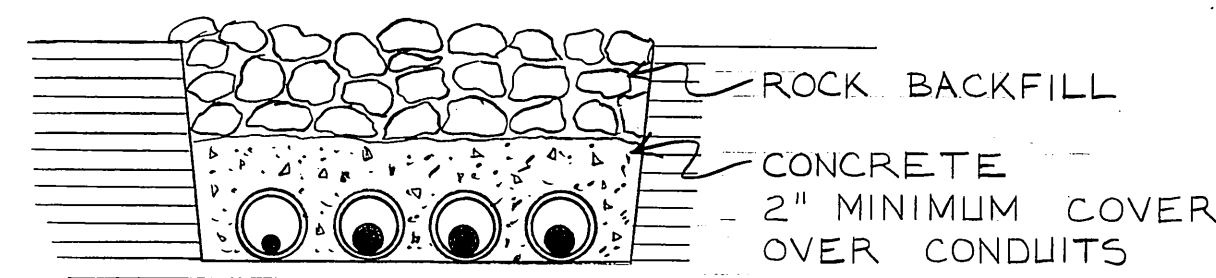
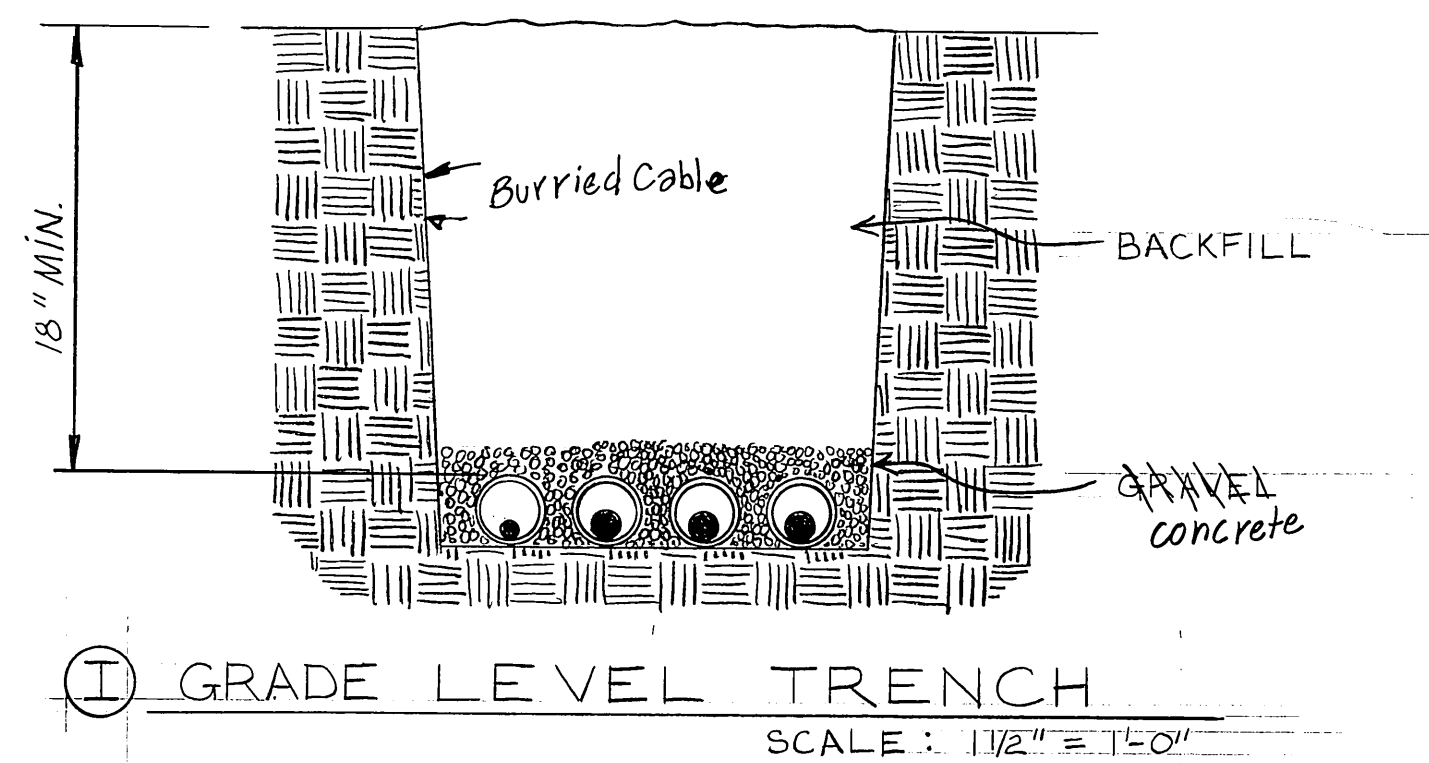
- 22 SERVICE CABLE SUPPORT (KINDORF C-755 SERIES)
- 23 WIRE MESH SERVICE CABLE SUPPORT GRIP, OFFSET EYE
- 24 FEEDER CABLES, CONNECTORS & WIRE MESH GRIPS (TYPICAL)
- 25 LUMINAIRE (DETAIL A-6) MOUNT AT 15' ABOVE FLOAT
- 26 MOUNTING BRACKET
- 27 AERIAL CABLE - SAG 10' MIN. AT +7.0 FT. TIDE
- 28 DEADEND CLEVIS & INSULATOR - JOSLYN J93 & J151
- 29 6X6X4 NEMA 3R JUNCTION BOX
- 30 UTILITY RECEPTACLE WITH WEATHERPROOF LOCKABLE COVER
- 31 TROLLING SPRINGS

NOTES: 1) ALL BOLTS AND FABRICATION HARDWARE SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL, BOLTS SHALL BE 5/8" U.O.N.

2) ROUTE FLEX CONDUIT FOR GANGWAY LIGHTING (DETAIL G) FROM PANEL TO GANGWAY. TY-RAP EVERY 6" TO NEAREST SERVICE CABLE.

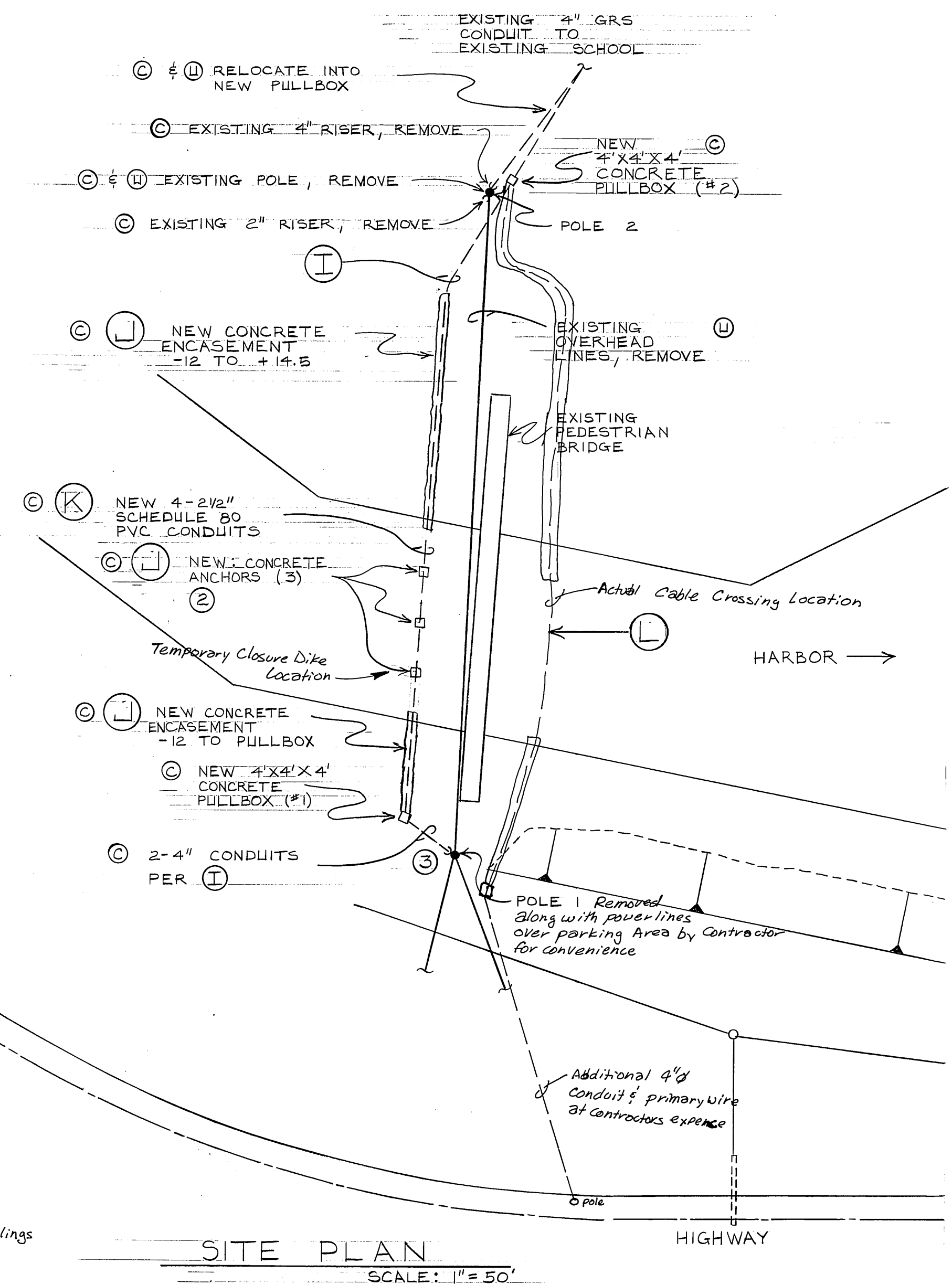
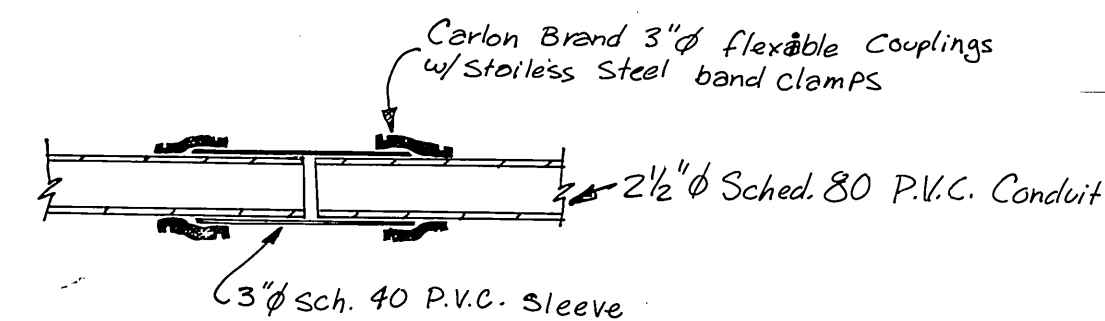
3) FEED EACH LIGHTING CIRCUIT WITH #10 XHHW IN CONDUIT OR #10/3 SO CORD TO POLE. ROUTE INSIDE POLE TO JUNCTION BOX. UTILIZE #10/3 SO CORD FOR CONNECTION TO #6 TRIPLEX.

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION	
		Sitka, Japonski Harbor	Alaska
		ELECTRICAL DETAILS SHT. A.	
SCALE NOTED	SURVEYED	APPROVED	
DESIGNED PG	DRAWN TSM	Robert P. Beck	
CHECKED	DATE 9-82	James A. Lowell	
PROJECT NUMBER K78125		SHEET 33 OF 3641	



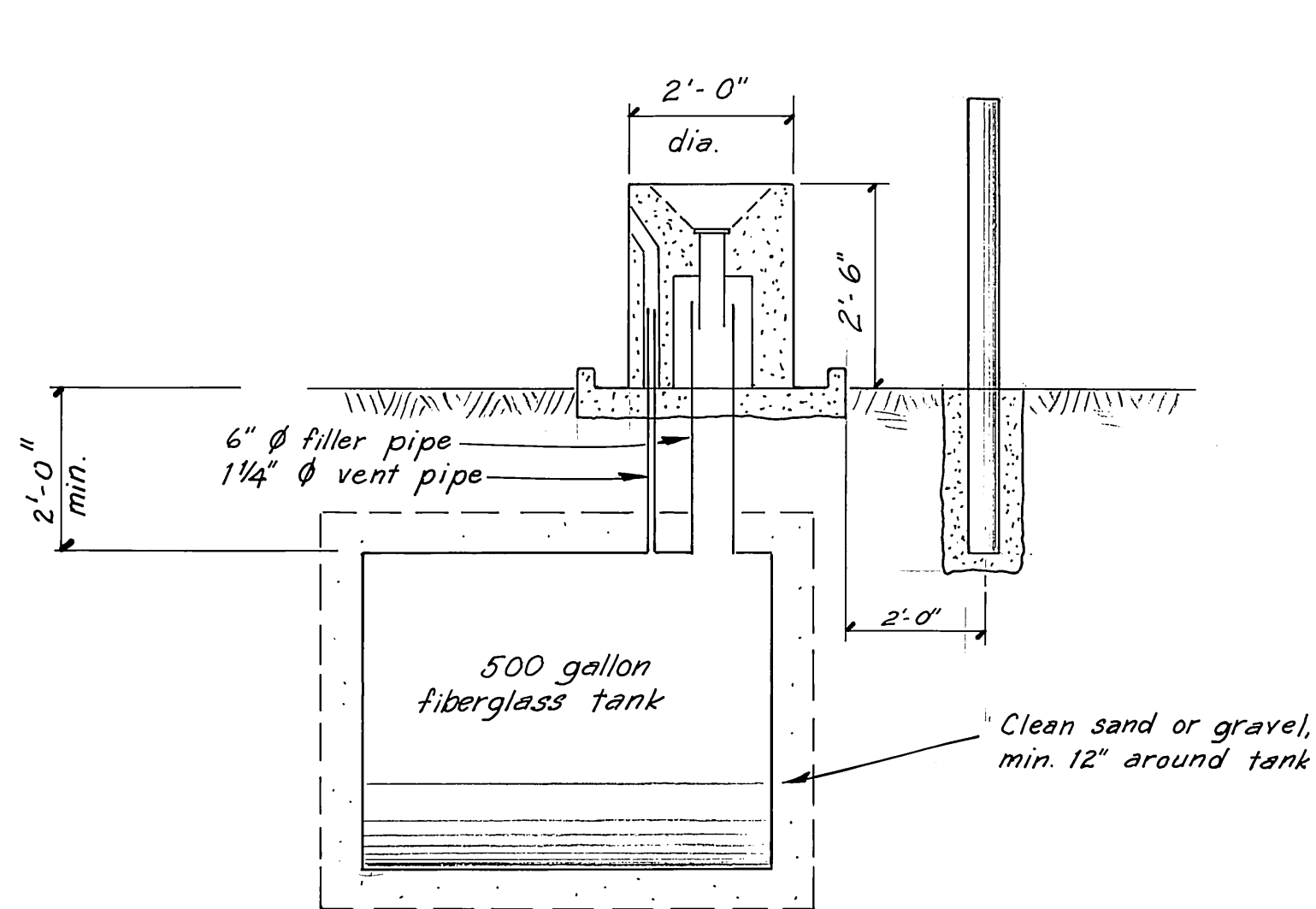
NOTES

- ① REFER TO SECTION 16300 OF SPECIFICATIONS FOR WORK RESPONSIBILITIES WITH UTILITY :
 - ⊙ DENOTES CONTRACTOR WORK
 - Ⓜ DENOTES UTILITY WORK
- ② CONCRETE ANCHORS PLACED EVERY 25' IN TRENCH & SHALL BE 3' LONG.
- ③ STUB & CAP ONE CONDUIT FOR SPARE AT 10' AFG



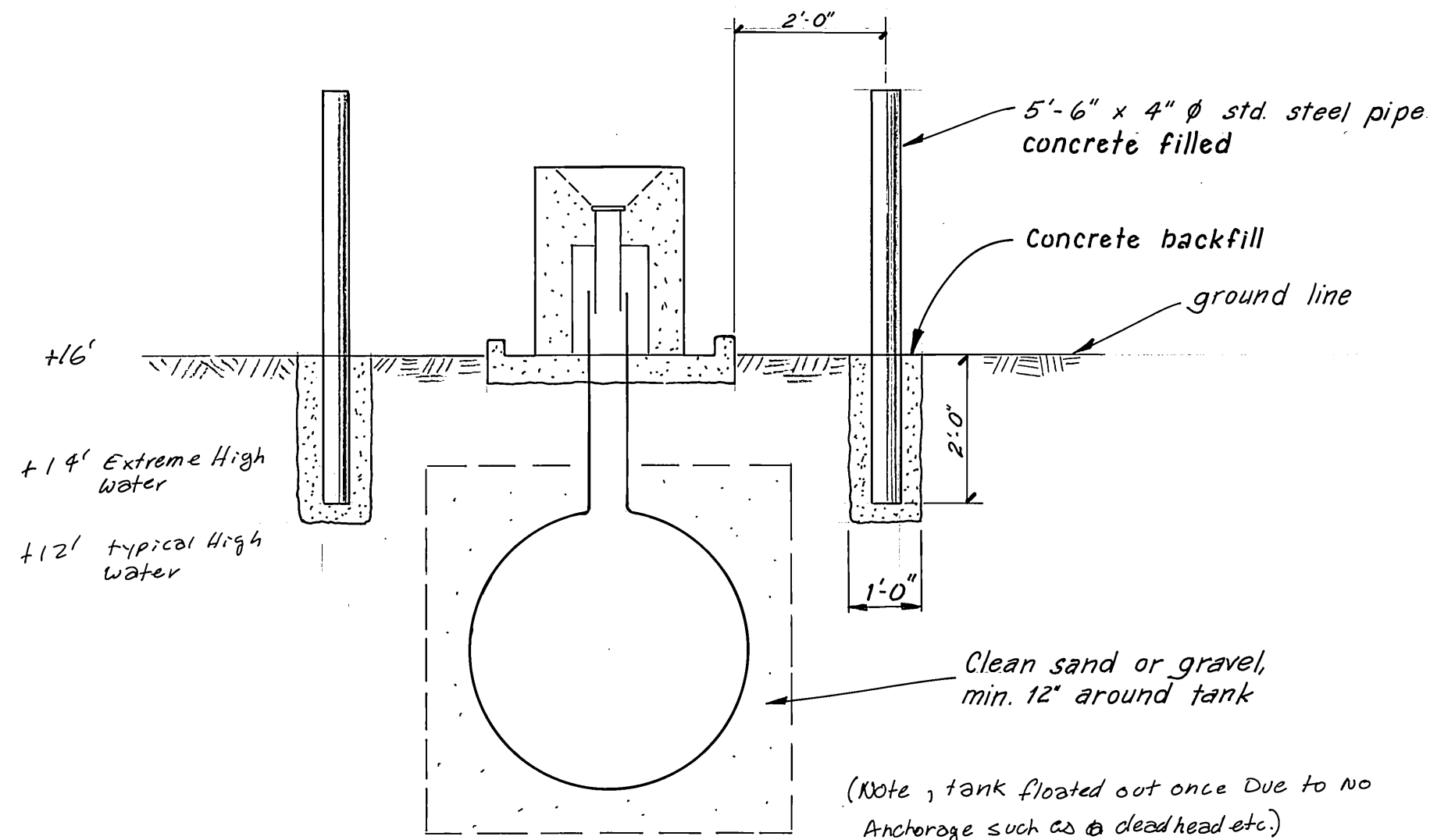
E 8

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION	
		Sitka, Japonski Harbor Alaska	
		CABLE CROSSING RELOCATION	
SCALE NOTED	SURVEYED	APPROVED	Robert P. Beck
DESIGNED PG	DRAWN TSM	CHECKED	James A. Lowell
PROJECT NUMBER KZ8125	SHEET 35 OF 36-41		



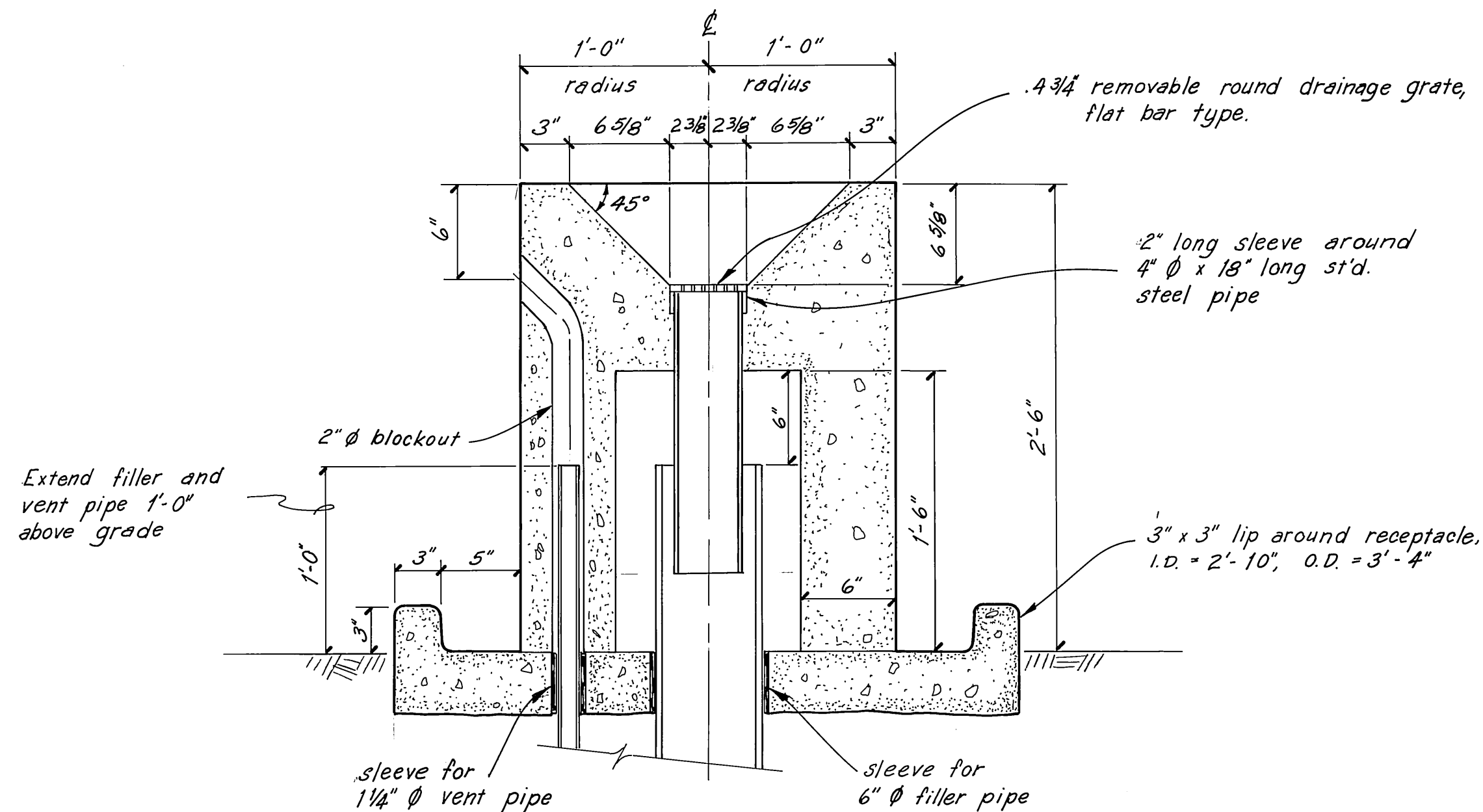
SIDE ELEVATION

1/2" = 1'-0"



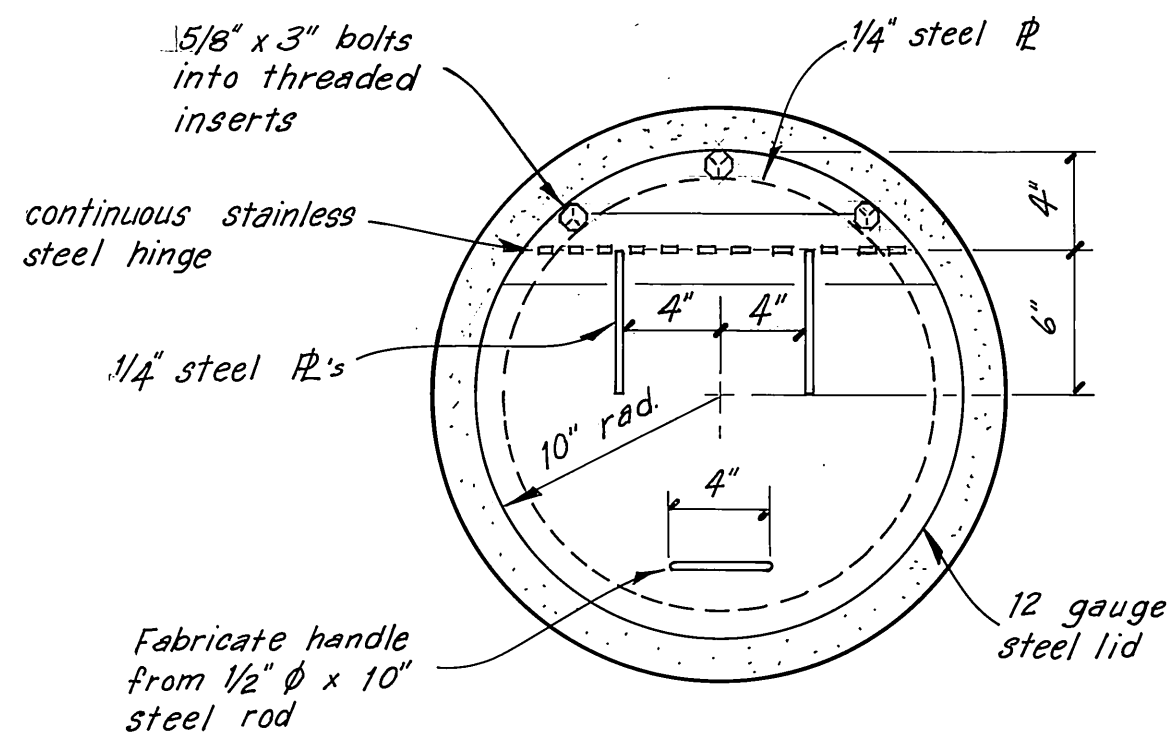
END ELEVATION

1/2" = 1'-0"



CONCRETE RECEPTACLE DETAIL

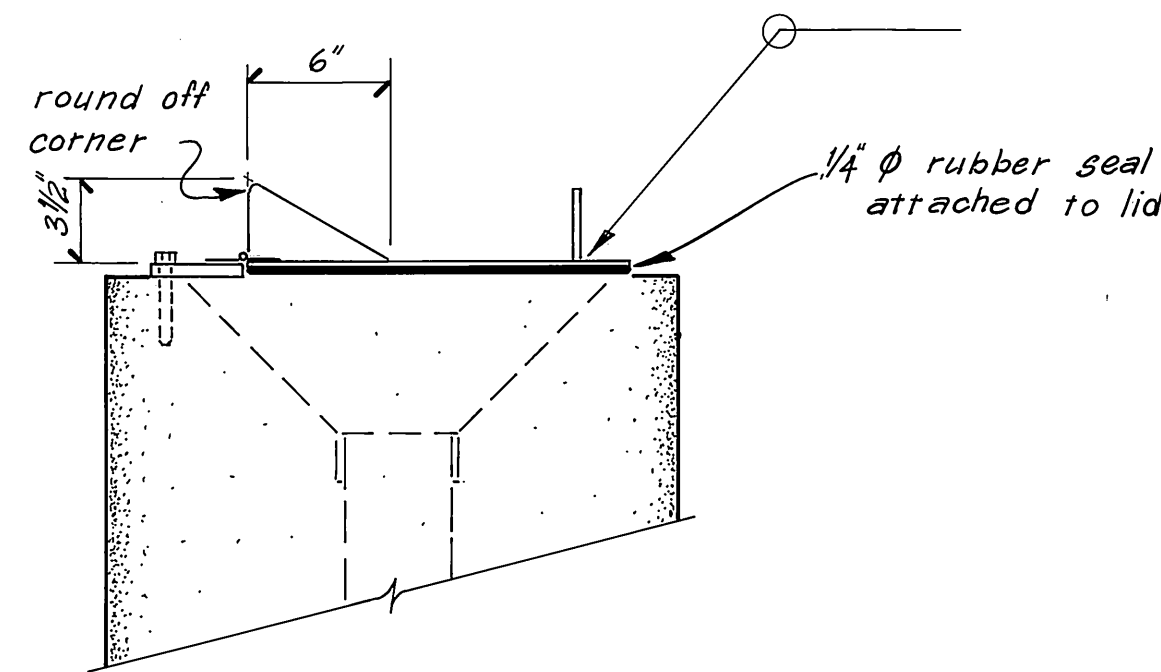
1 1/2" = 1'-0"



PLAN

LID DETAIL

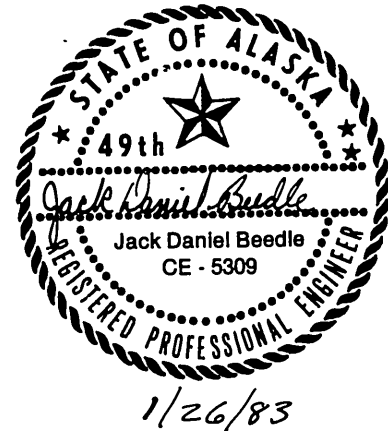
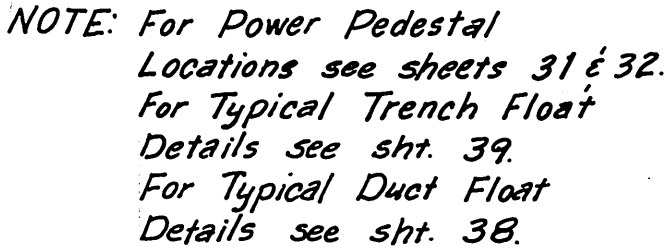
1 1/2" = 1'-0"



ELEVATION

For location of station see sht. 5

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION	
		Sitka Japonski Harbor	Alaska
		WASTE OIL STATION	
SCALE <u>As Noted</u>	SURVEYED _____	APPROVED <u>Robert P. Beck</u>	
DESIGNED <u>BS</u>	DRAWN <u>DB</u>	<u>James A. Lowell</u>	
CHECKED _____	DATE <u>11-02</u>		
PROJECT NUMBER <u>K78125</u>		SHEET <u>36</u> OF <u>36</u>	



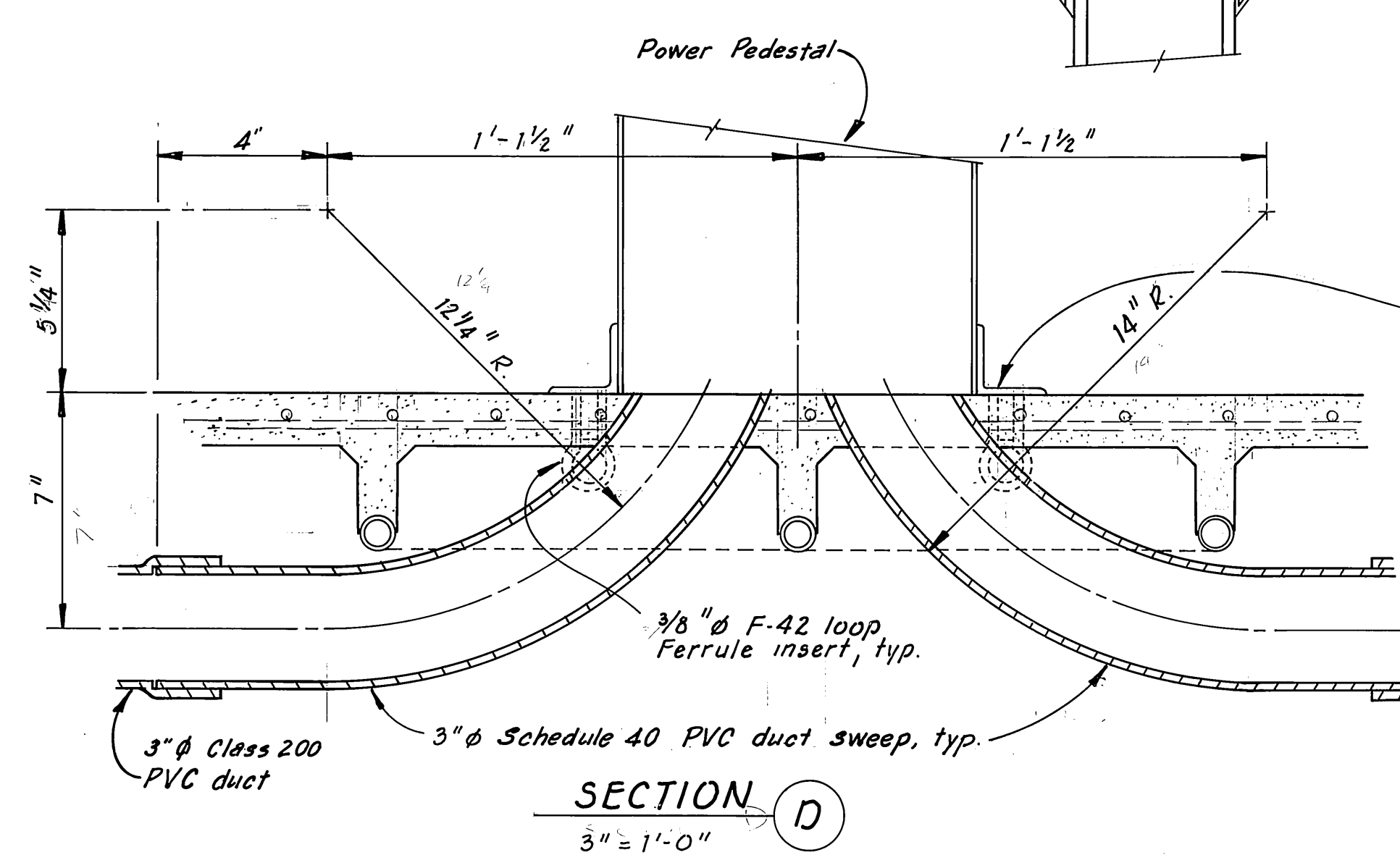
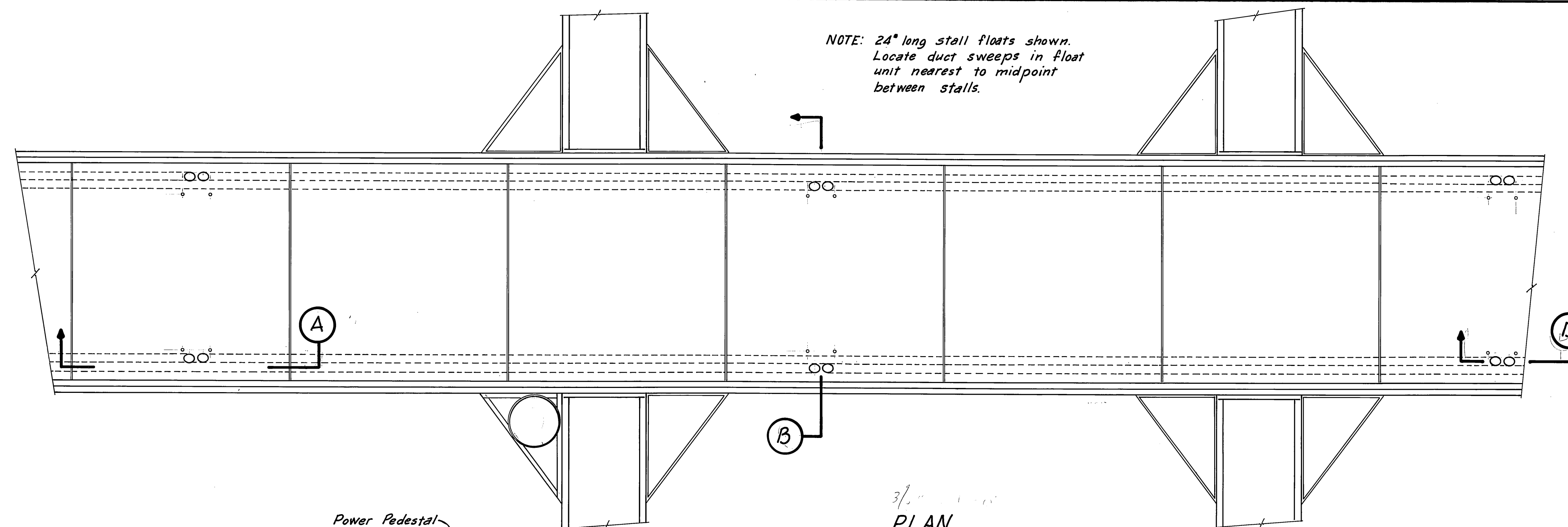
DO NOT SCALE THIS DRAWING — USE DIMENSIONS

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

Sitka, Japanese HarborAlaska

ALTERNATE FLOATS WITH TRENCH AND CONDUIT — LAYOUT

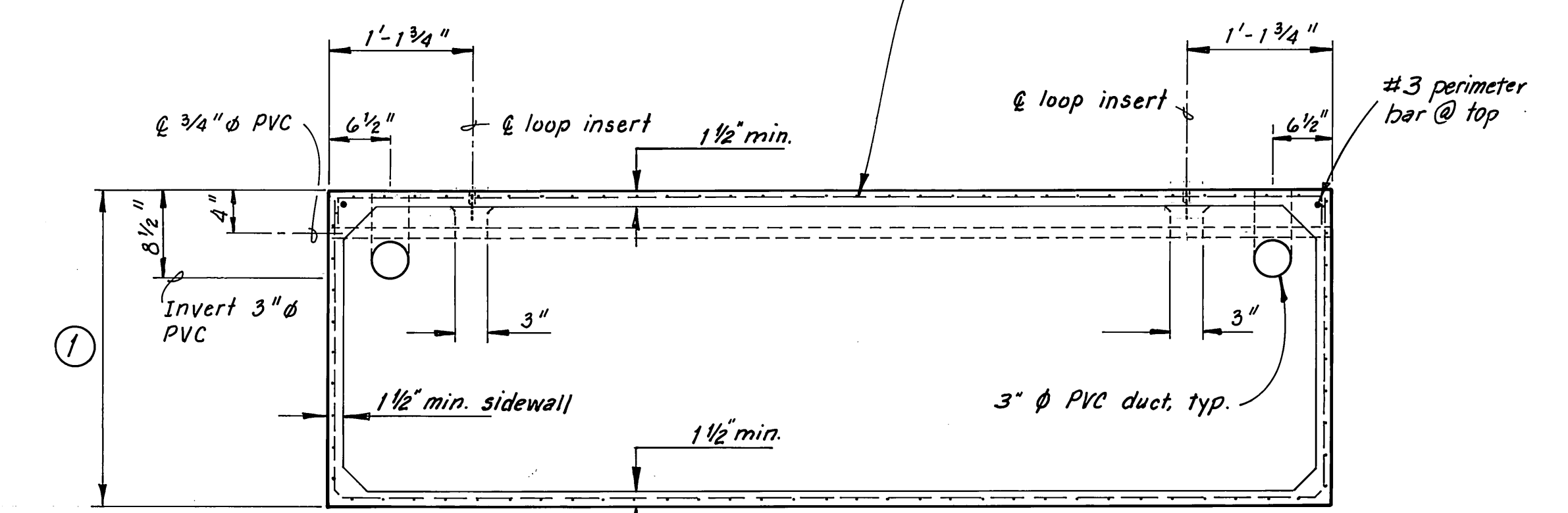
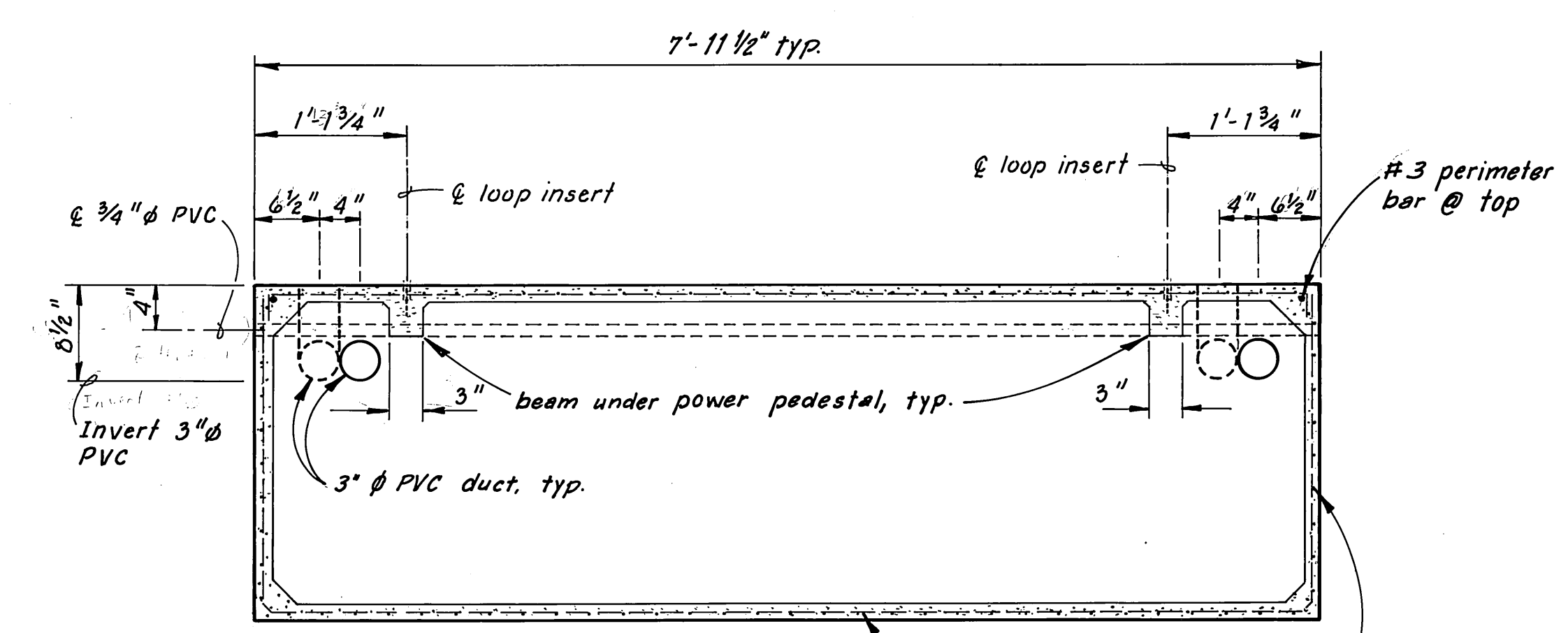
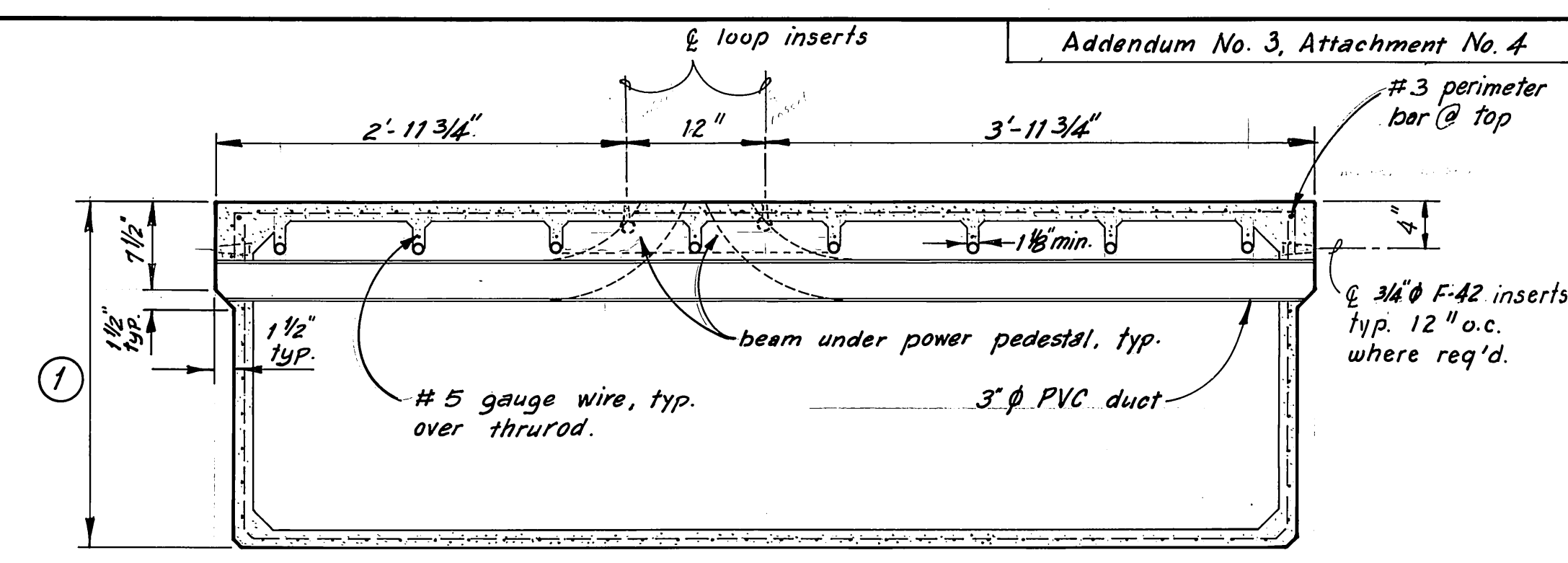
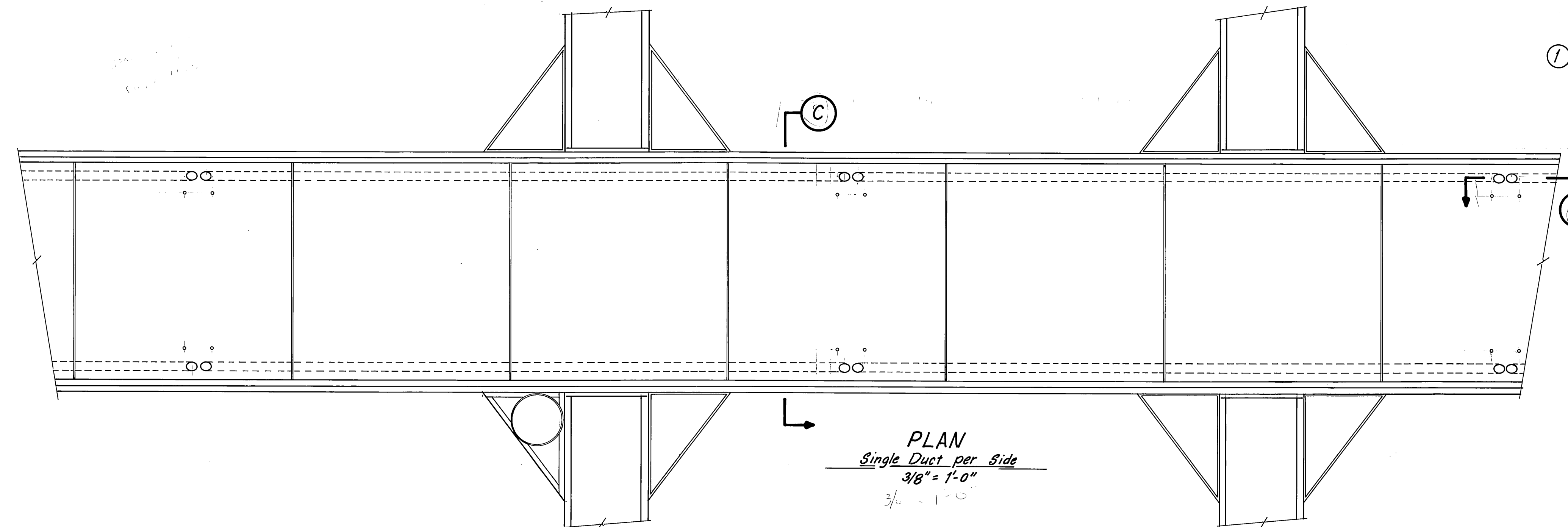
SCALE <u>1" = 30'-0"</u>	SURVEYED _____	APPROVED _____ <i>Robert P. Beck</i>
DESIGNED <u>JRB</u>	DRAWN <u>DB</u>	_____ <i>James A. Lowell</i>
CHECKED <u>JDB</u>	DATE <u>1-83</u>	_____
PROJECT NUMBER <u>K-78125</u>	SHEET <u>37</u> OF <u>41</u>	

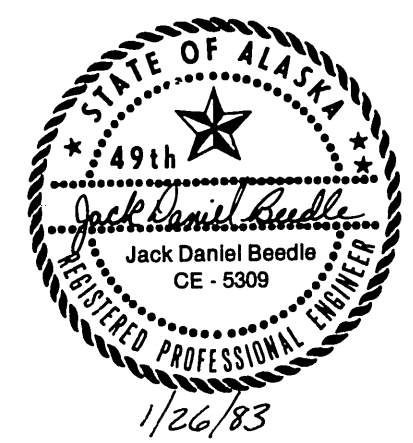


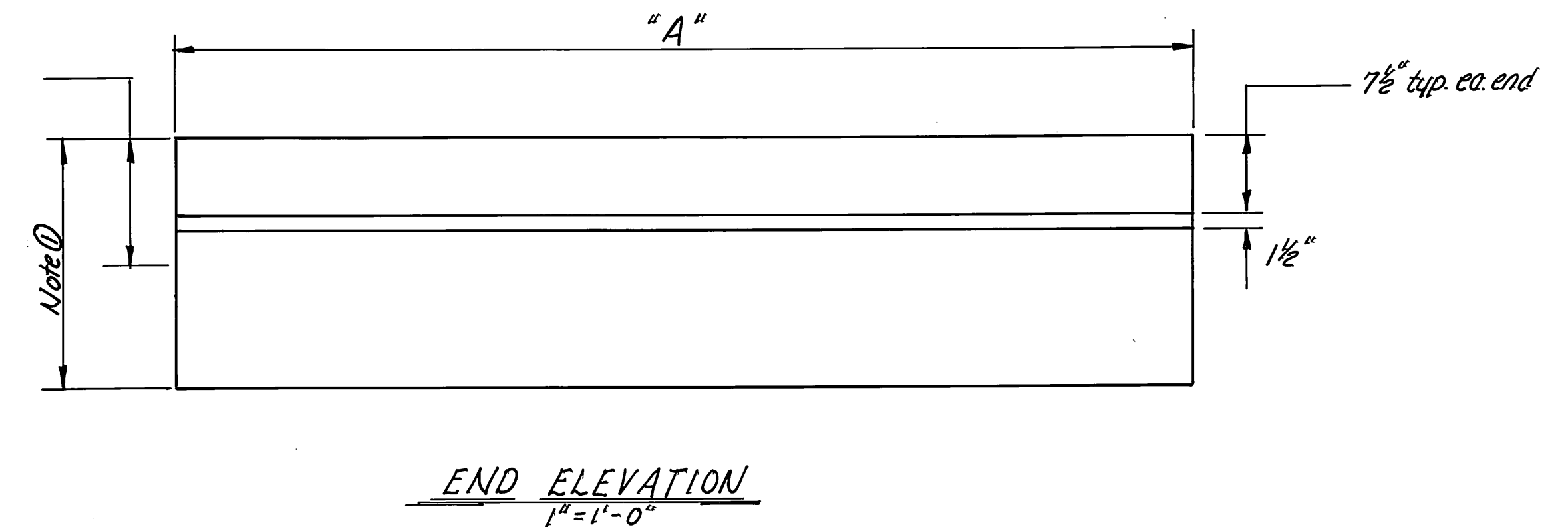
PLAN
2 Ducts per Side
3/8" = 1'-0"

Secure power pedestal base to float with 3/8" stainless steel screws.

1 Pontoon supplier to provide float unit with required freeboard. Allow 35 lbs. per linear foot for wales, bumpers, and utilities. Design Freeboard 12" Maximum Freeboard 14" Minimum Freeboard 11"

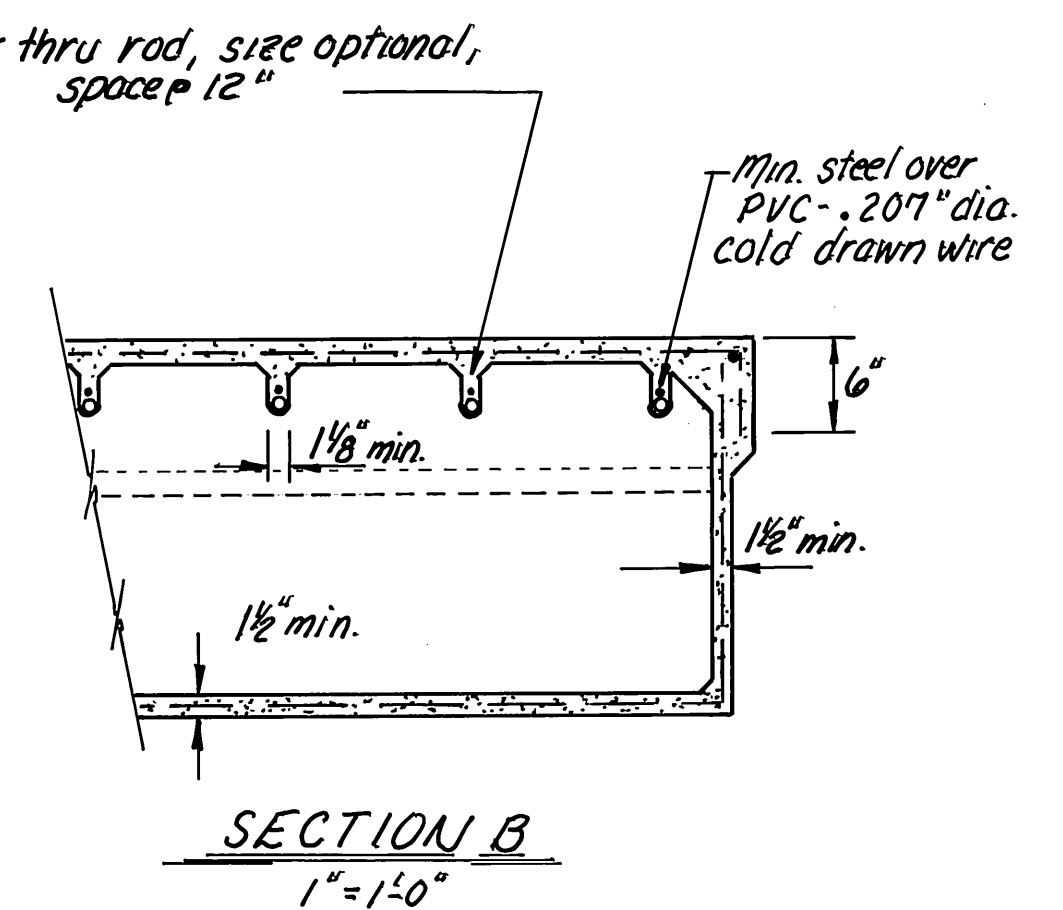
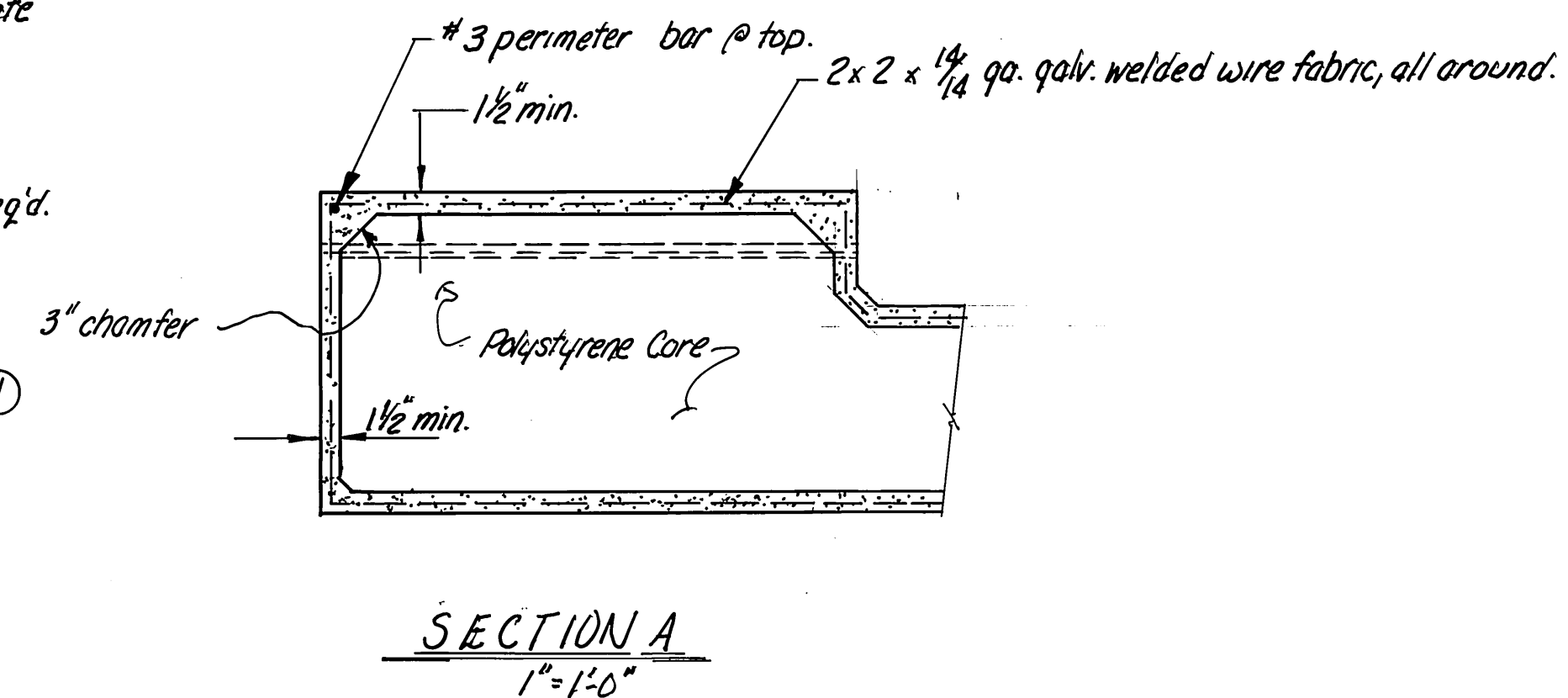


STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
 1/26/83		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION	
		Sitka, Japanski Harbor Alaska	
		DUCT FLOAT DETAILS	
SCALE: As Noted	SURVEYED:	APPROVED: Robert P. Beck	
DESIGNED: JDB	DRAWN: TS	James A. Lowell	
CHECKED: JS	DATE: 1-83		
PROJECT NUMBER: K-78125	SHEET 38 OF 41		



Note ~ Cover Plates

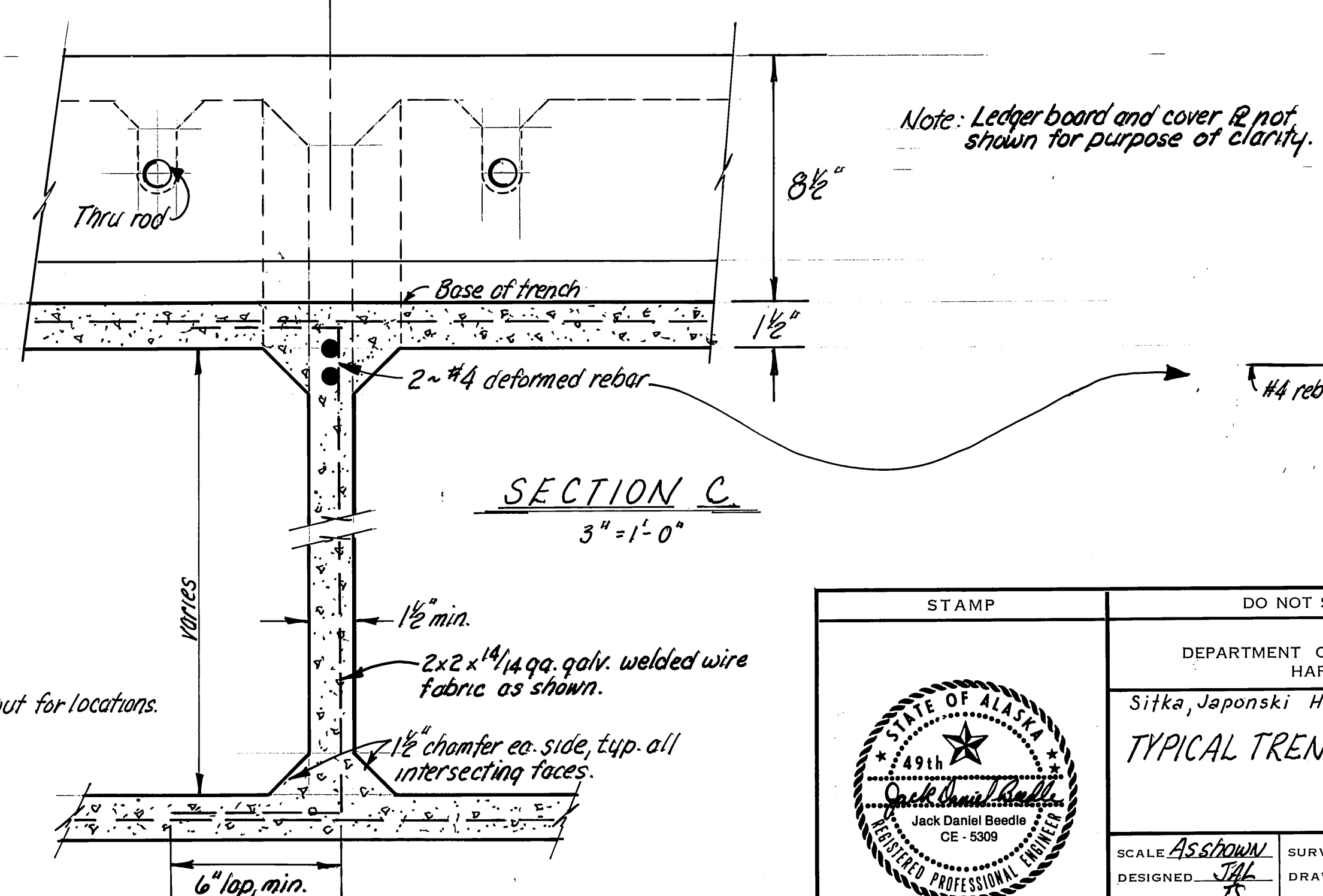
Cover Pl. width varies depending on width of trench (i.e. cross trench). Provide 1/8" gap between edge of trench and edge of plate ea. side. Length will be contractor's option but in all cases plates will terminate at edge of bumper or float unit and whichever applies. Secure Pls to ledger w/ 3/16" Ø S.S. CSK wood screws @ 12" centers. For Pl material and thickness requirements see specs (Sec. 309-2.01)



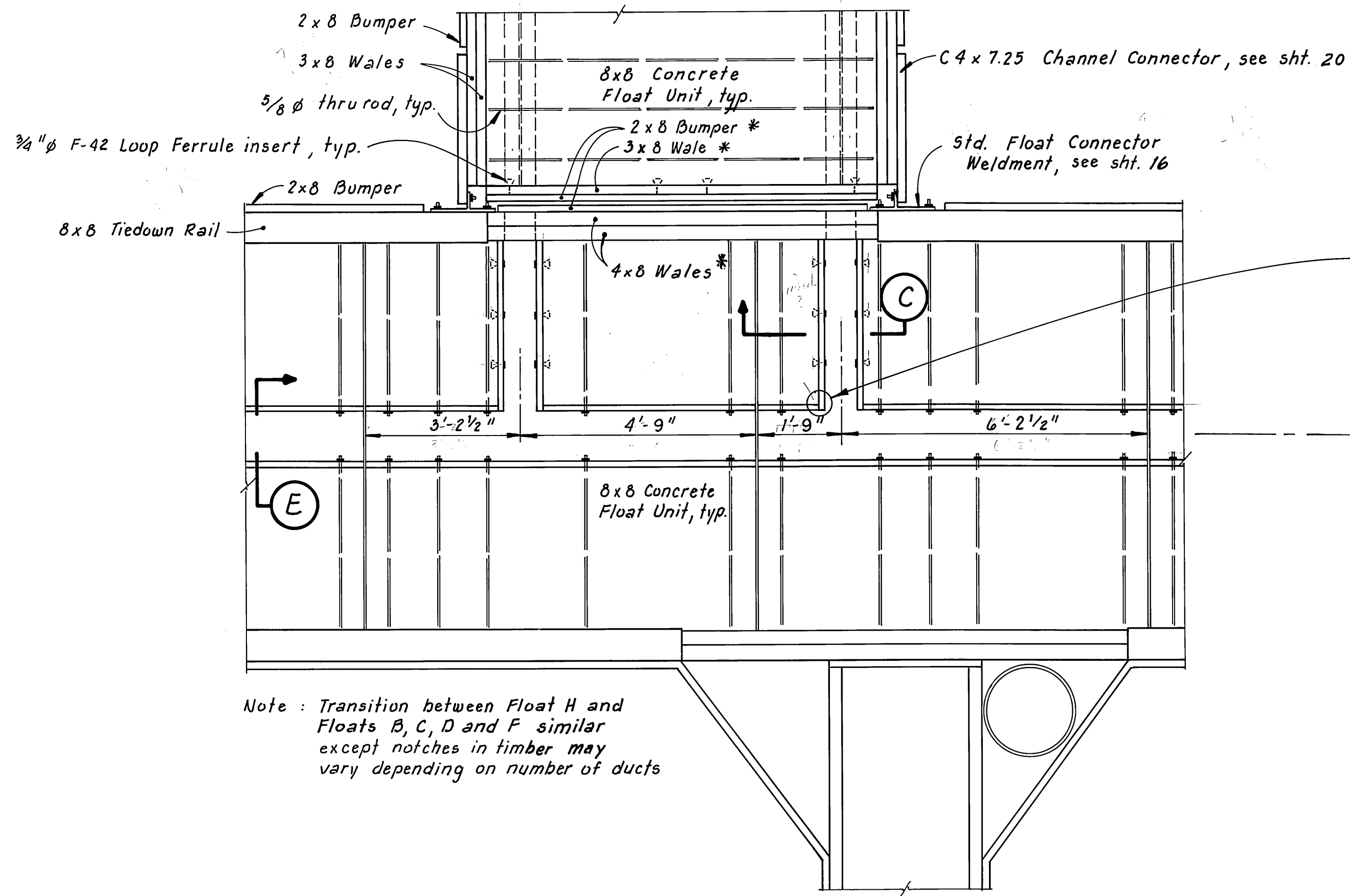
DIMENSIONS		
Nominal Float	"A"	"B"
6 x 8	5' - 11 1/2"	Note ①
8 x 8	7' - 11 1/2"	" "
8 x 8 G	7' - 11 1/2"	" "
10 x 8	9' - 11 1/2"	" "
10 x 8 G	9' ~ 11 1/2"	" "
12 x 8	11' - 11 1/2"	" "

General Notes:

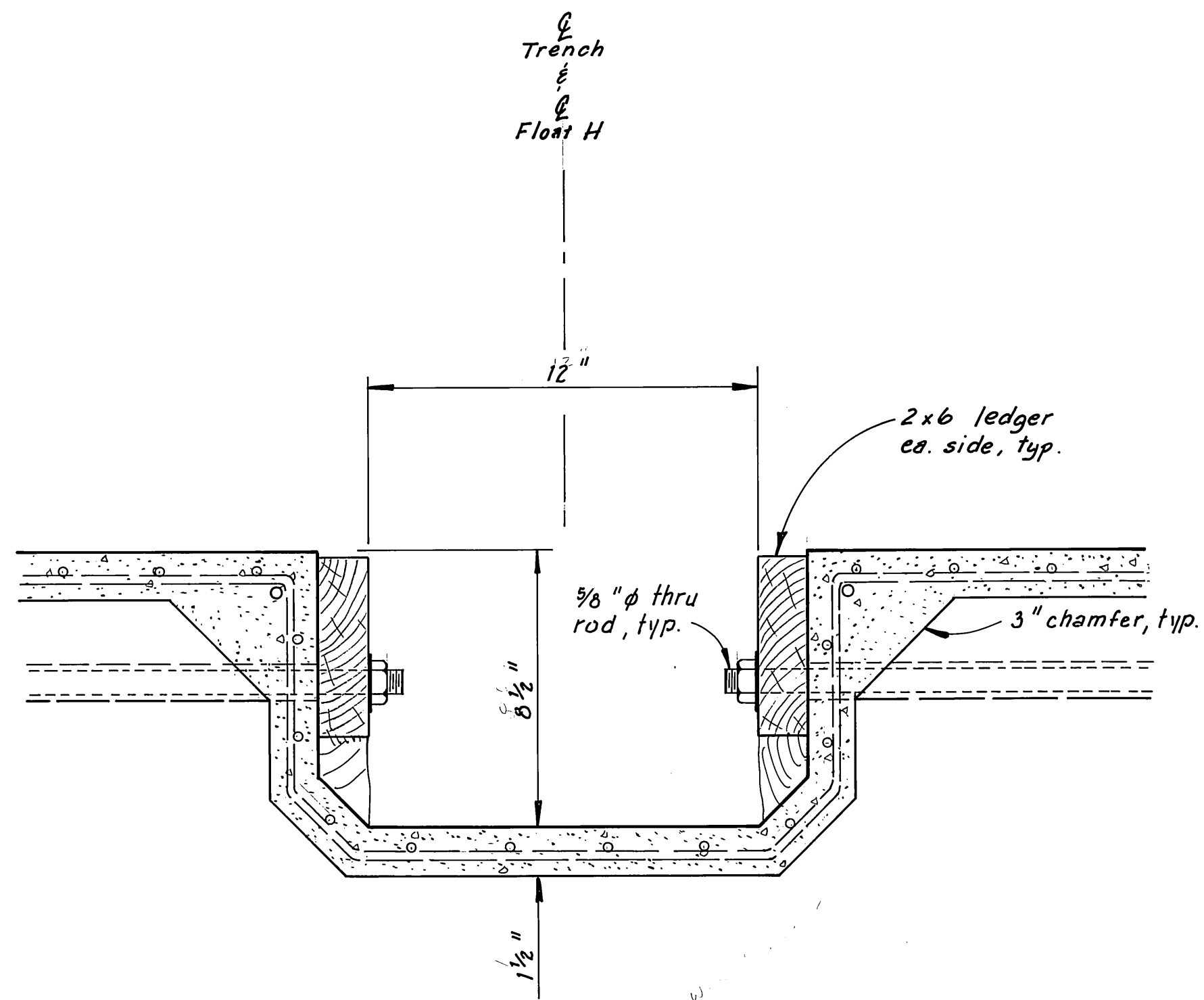
Pontoon supplier to provide float unit w/ required freeboard. Allow 35 lbs. per linear foot for wales, bumpers, & utilities.



STAMP	DO NOT SCALE THIS DRAWING — USE DIMENSIONS										
	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION										
	Sitka, Japonski Harbor		Alaska								
	TYPICAL TRENCH FLOAT UNITS										
	<table border="1"> <tr> <td>SCALE <i>As shown</i></td> <td>SURVEYED <i>JAL</i></td> <td>APPROVED</td> </tr> <tr> <td>DESIGNED <i>JAL</i></td> <td>DRAWN <i>JAL</i></td> <td><i>Robert P. Beck</i></td> </tr> <tr> <td>CHECKED <i>JS</i></td> <td>DATE <i>1/83</i></td> <td><i>James A. Lowell</i></td> </tr> </table>			SCALE <i>As shown</i>	SURVEYED <i>JAL</i>	APPROVED	DESIGNED <i>JAL</i>	DRAWN <i>JAL</i>	<i>Robert P. Beck</i>	CHECKED <i>JS</i>	DATE <i>1/83</i>
SCALE <i>As shown</i>	SURVEYED <i>JAL</i>	APPROVED									
DESIGNED <i>JAL</i>	DRAWN <i>JAL</i>	<i>Robert P. Beck</i>									
CHECKED <i>JS</i>	DATE <i>1/83</i>	<i>James A. Lowell</i>									
PROJECT NUMBER <i>K78125</i>		SHEET <i>39</i> OF <i>41</i>									



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



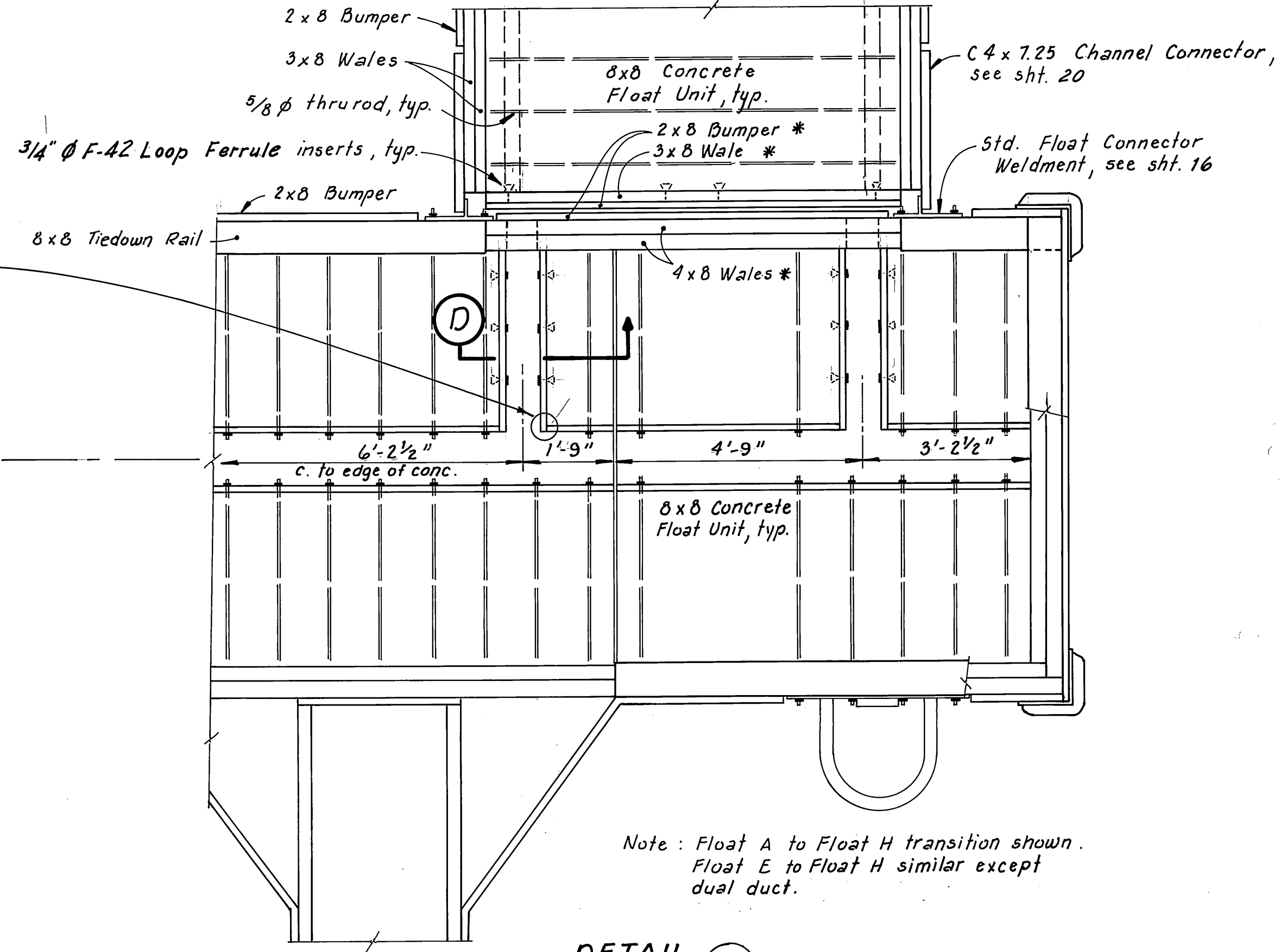
SECTION E
3" = 1'-0"

Cover R not shown

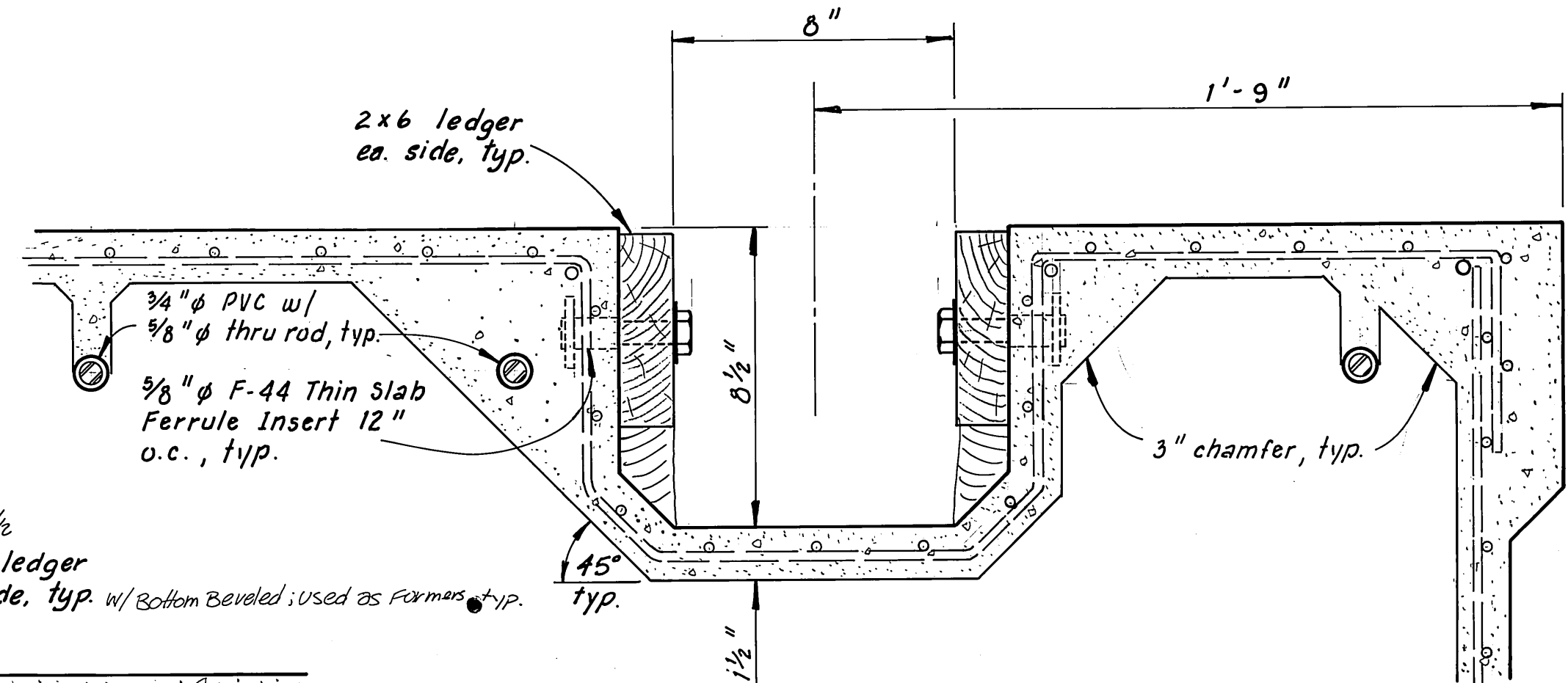
* Notch bottom of timber 2 1/2" x 8" prior to installation to allow cable passage.

Secure main float ledger to side trench ledger w/ 20 d nails (typ)

Trench and Float H

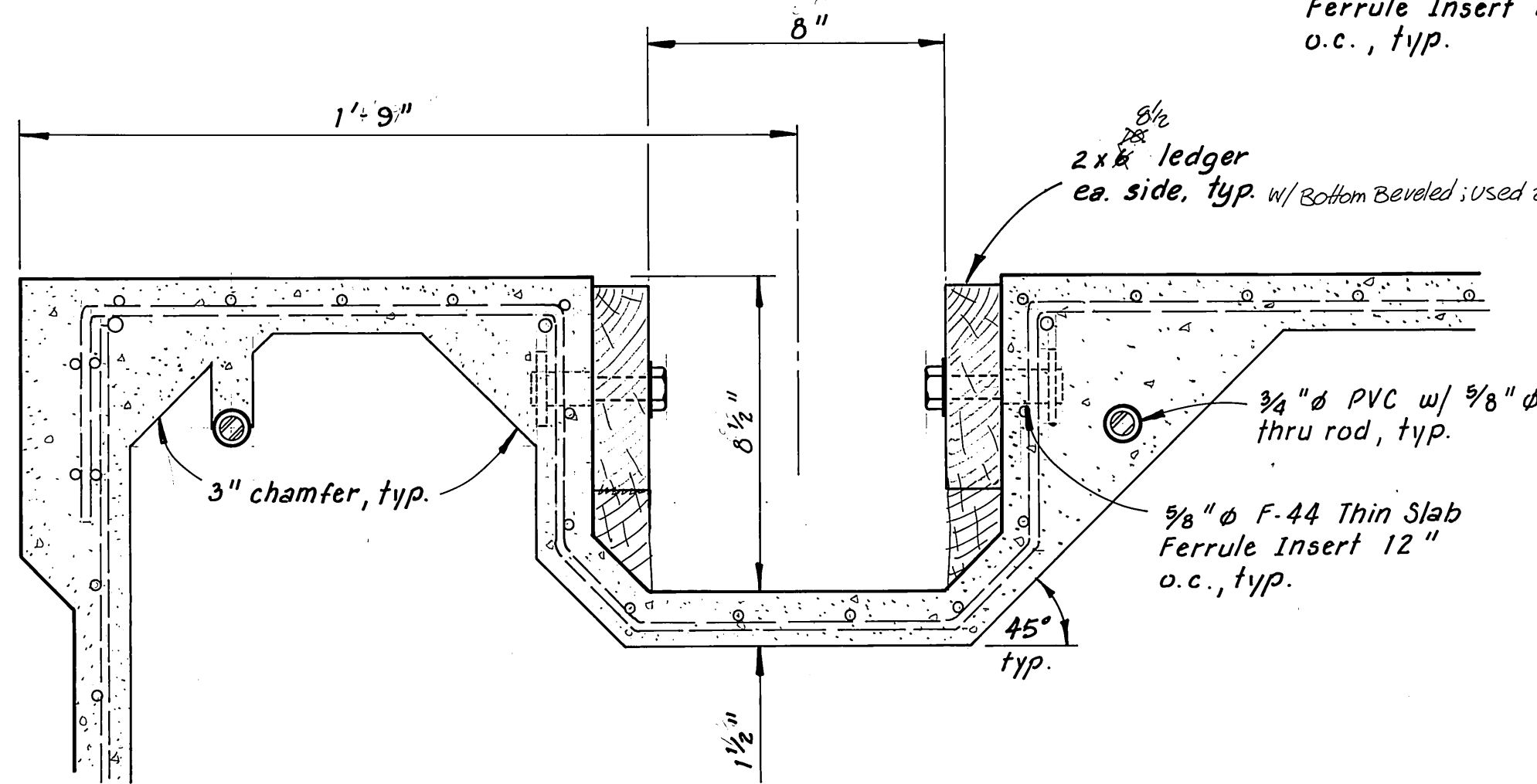


DETAIL B
1/2" = 1'-0"



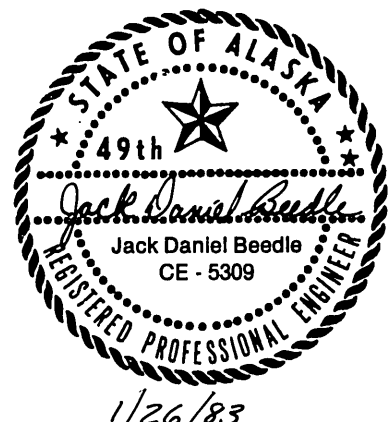
SECTION D
3" = 1'-0"

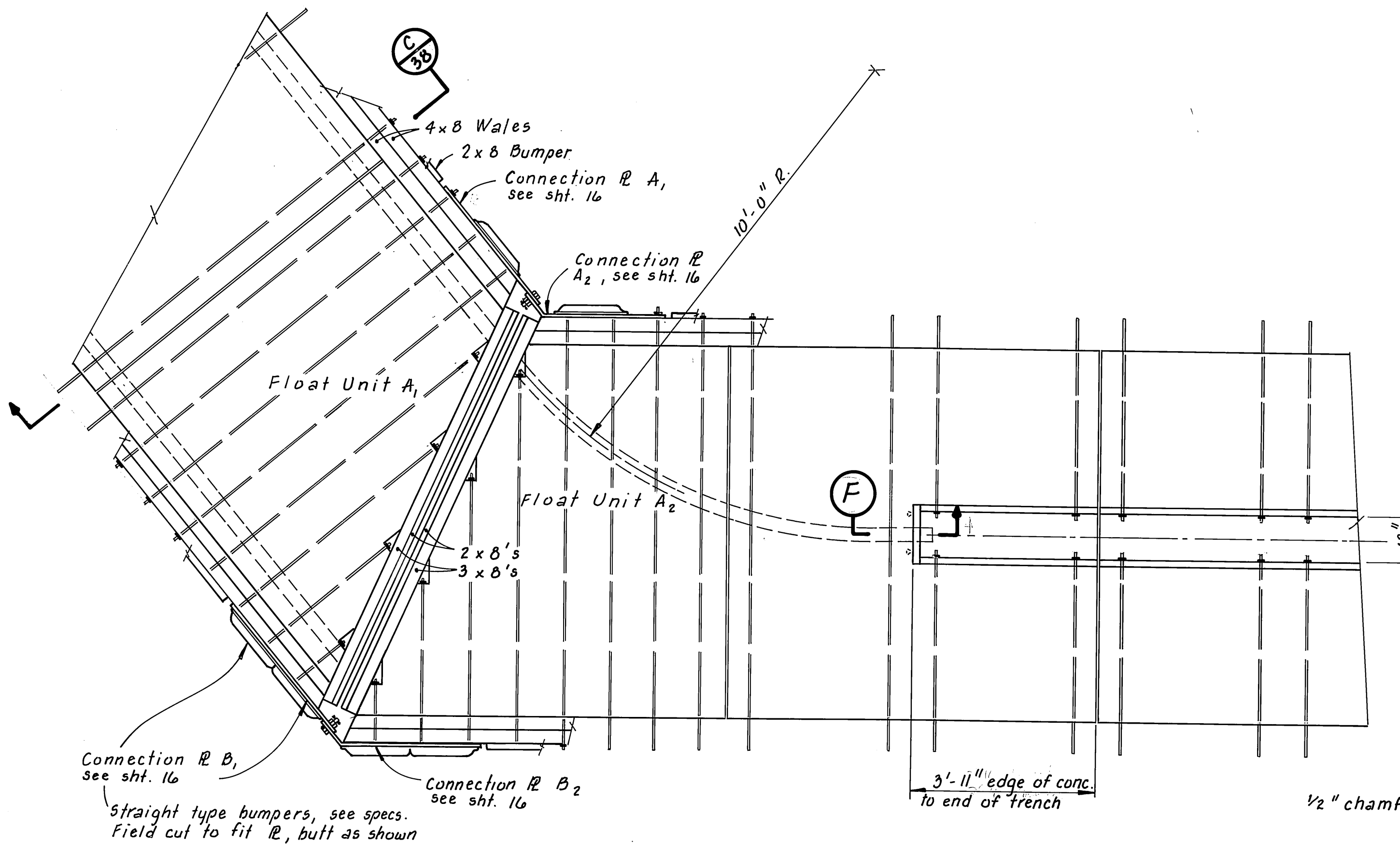
Cover R not shown, see sht. 39



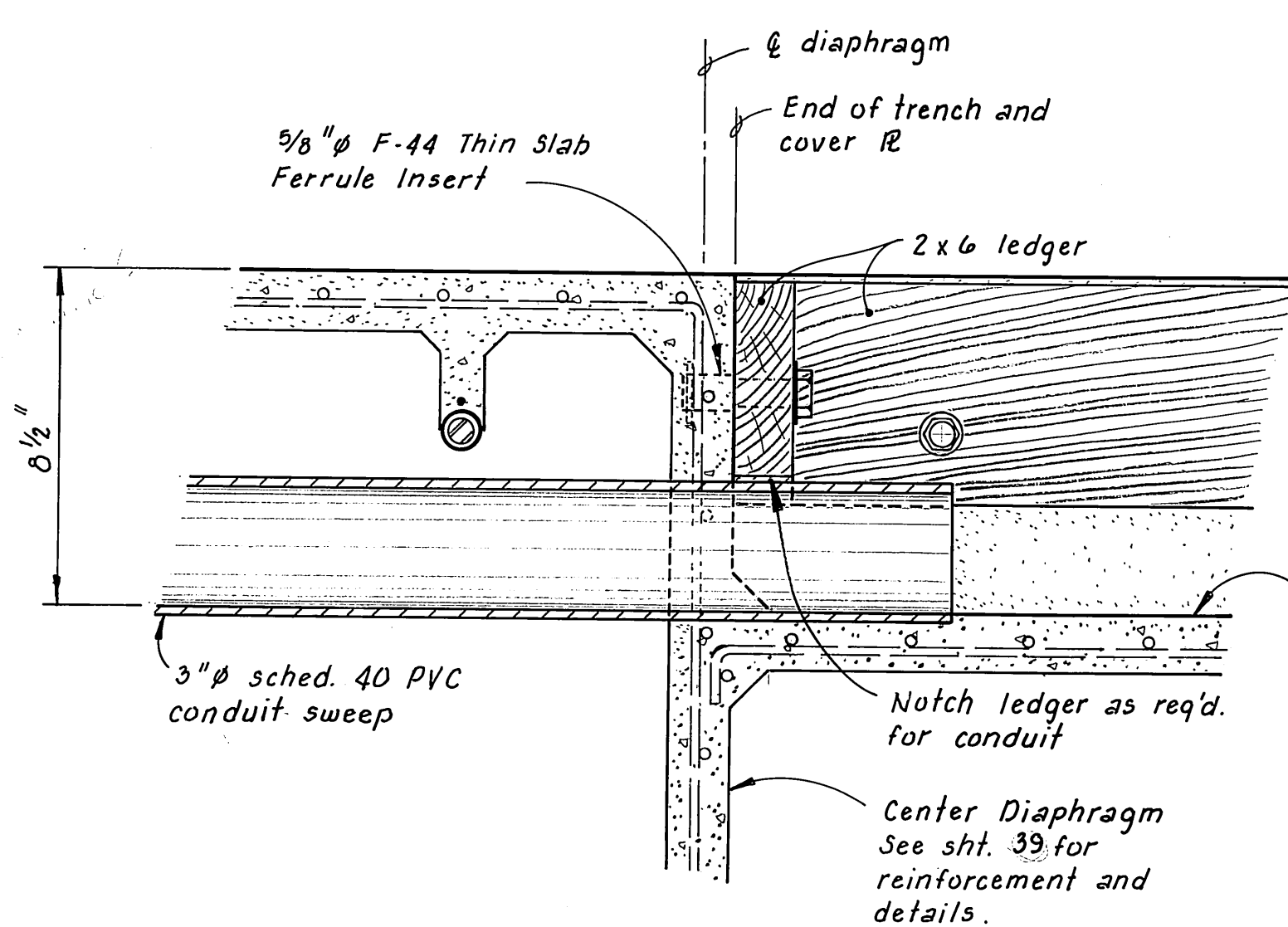
SECTION C
3" = 1'-0"

Cover R not shown

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
 1/26/83		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION	
		Sitka, Japonski Harbor Alaska	
		TRENCH FLOAT INTERSECTION DETAILS A & B	
		SCALE As Noted	SURVEYED
DESIGNED JS	DRAWN TS	Robert P. Beck	
CHECKED JDB	DATE 1-83	James A. Lowell	
PROJECT NUMBER K-78125	SHEET 40 OF 41		

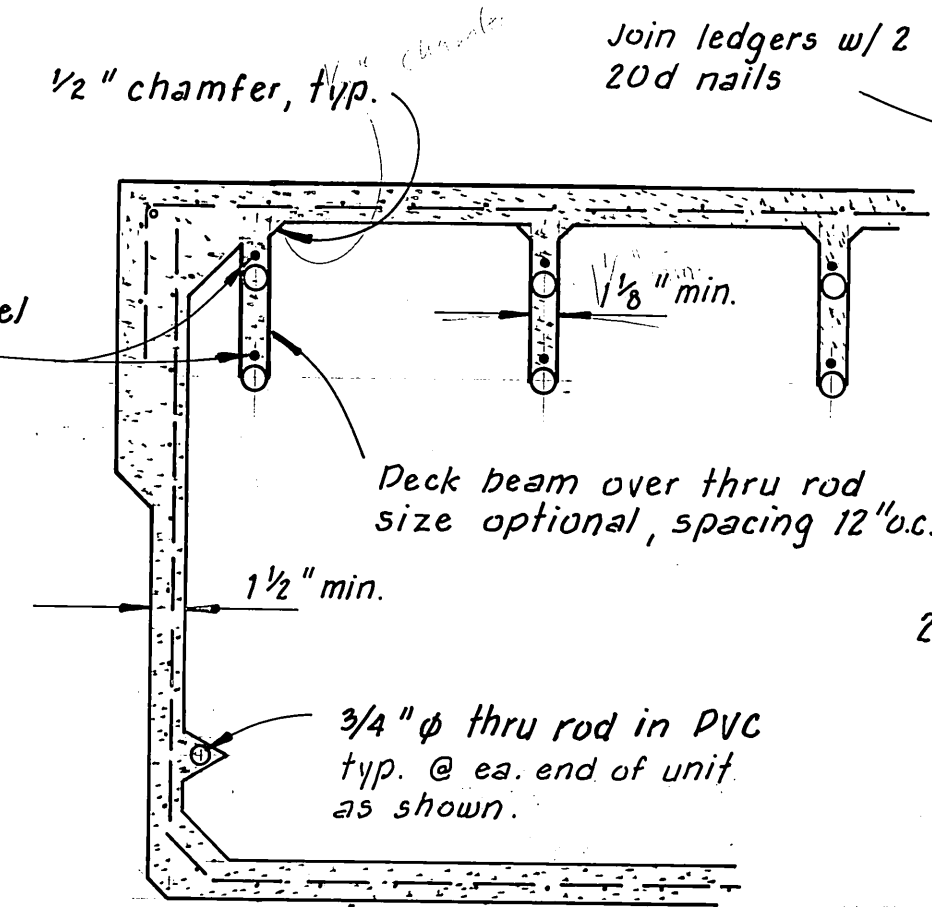


DETAIL C
1/2" = 1'-0"

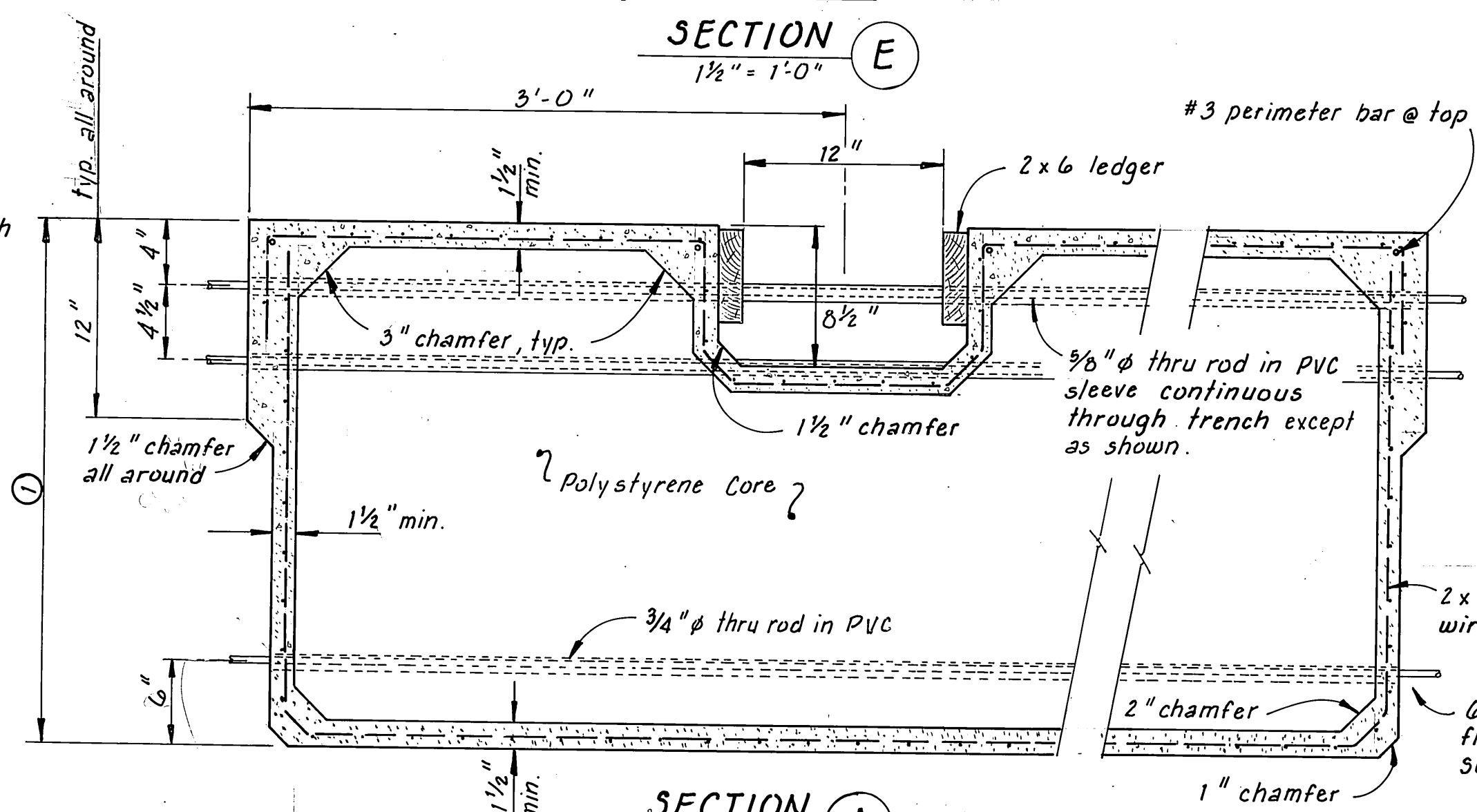


SECTION F
3" = 1'-0"

① Pontoon supplier to provide float unit w/ req'd. freeboard.
Allow 35 lbs. per linear foot for wales, bumper and utilities.
Allow 2000 lbs. per float unit for gangway.

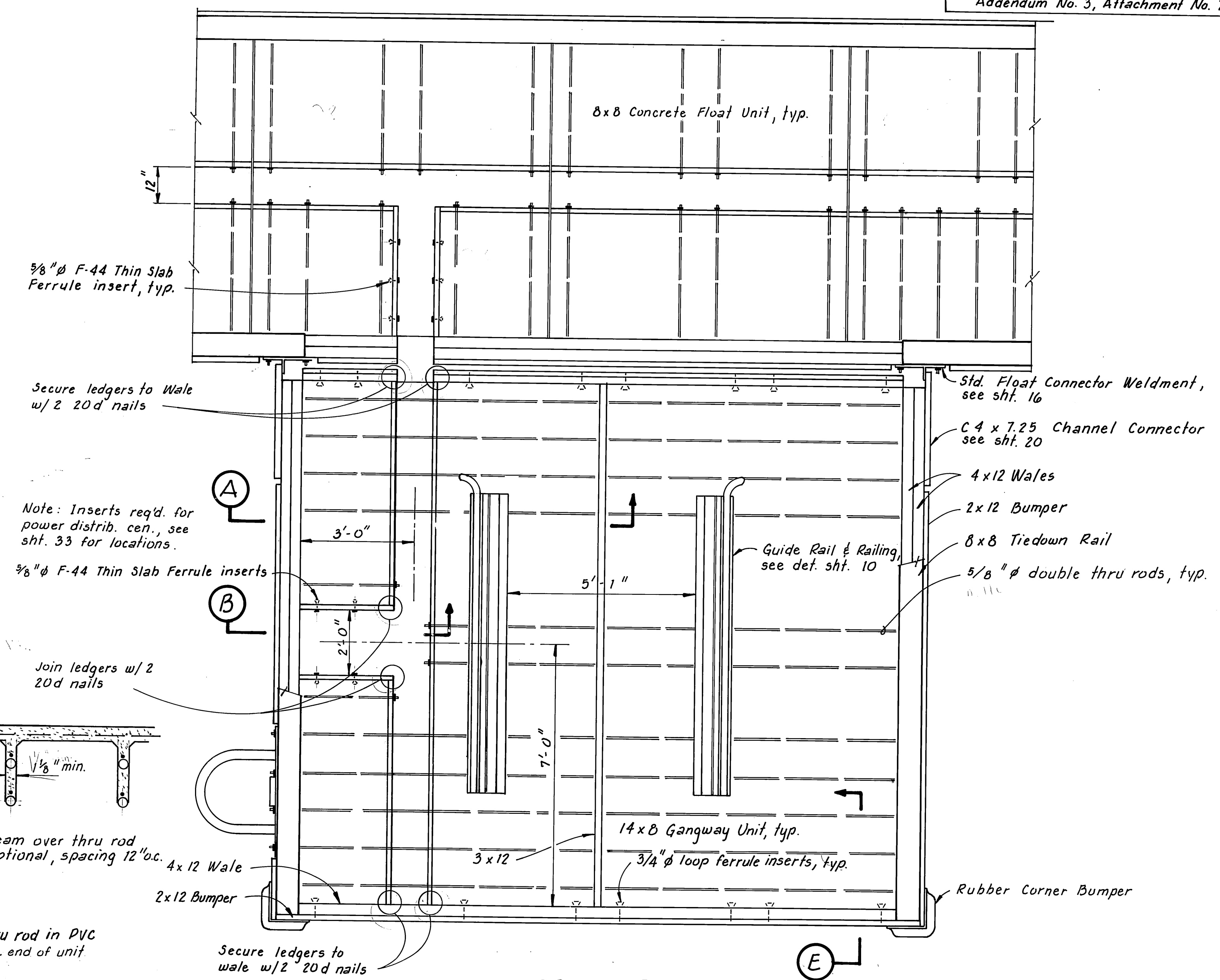


SECTION E
1 1/2" = 1'-0"

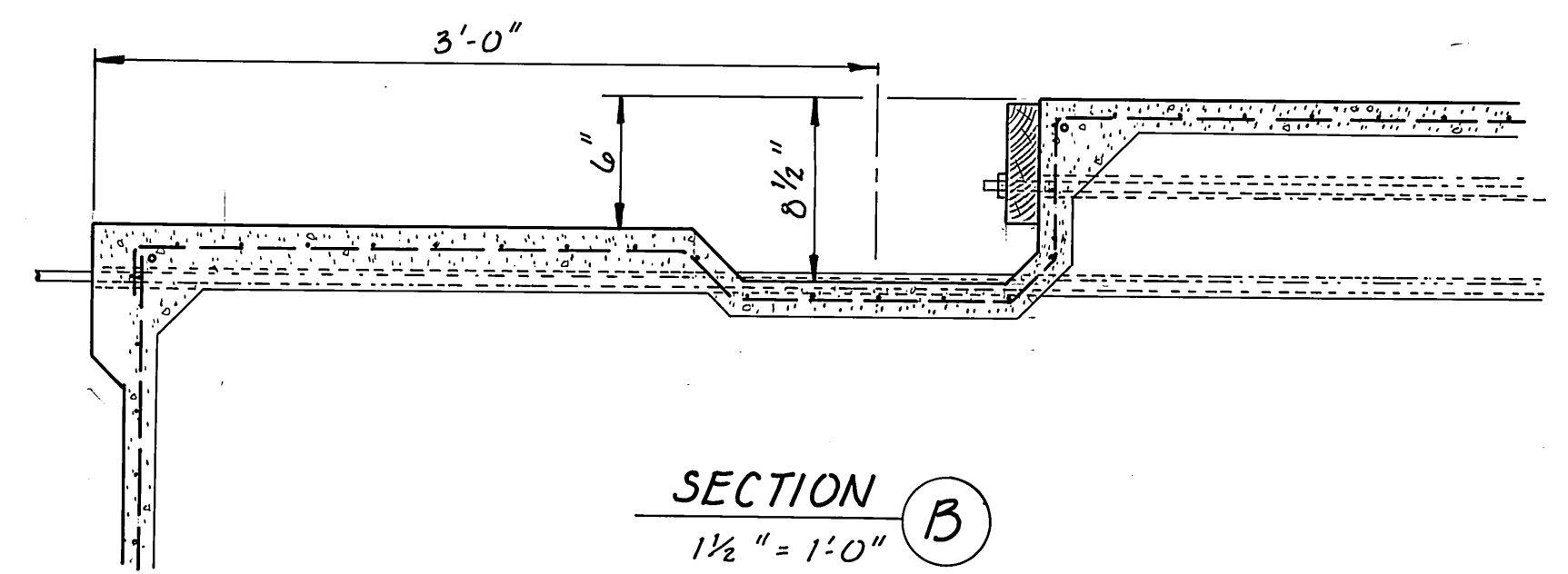


SECTION A
1 1/2" = 1'-0"

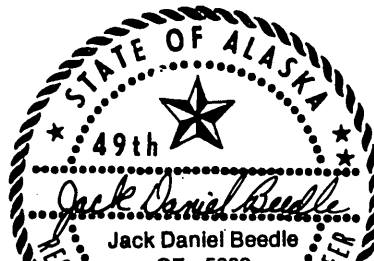
NOTE:
TYP. FLOAT TIMBER DETAILS SHOWN, SHT. 17.
COVER R'S NOT SHOWN, SEE SHT. 39



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



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

STAMP	DO NOT SCALE THIS DRAWING — USE DIMENSIONS		
 <i>1126/83</i>	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HARBOR DESIGN AND CONSTRUCTION		
	<i>Sitka, Japonski Harbor</i>		<i>Alaska</i>
	TRENCH FLOAT INTERSECTION DETAILS		
	SCALE <i>As Noted</i>	SURVEYED _____	APPROVED _____
DESIGNED <i>JS</i>	DRAWN <i>TS</i>	<i>Robert P. Beck</i>	
CHECKED <i>JDB</i>	DATE <i>1-83</i>	<i>James A. Lowell</i>	
PROJECT NUMBER <i>K-78125</i>		SHEET <i>41</i> OF <i>41</i>	