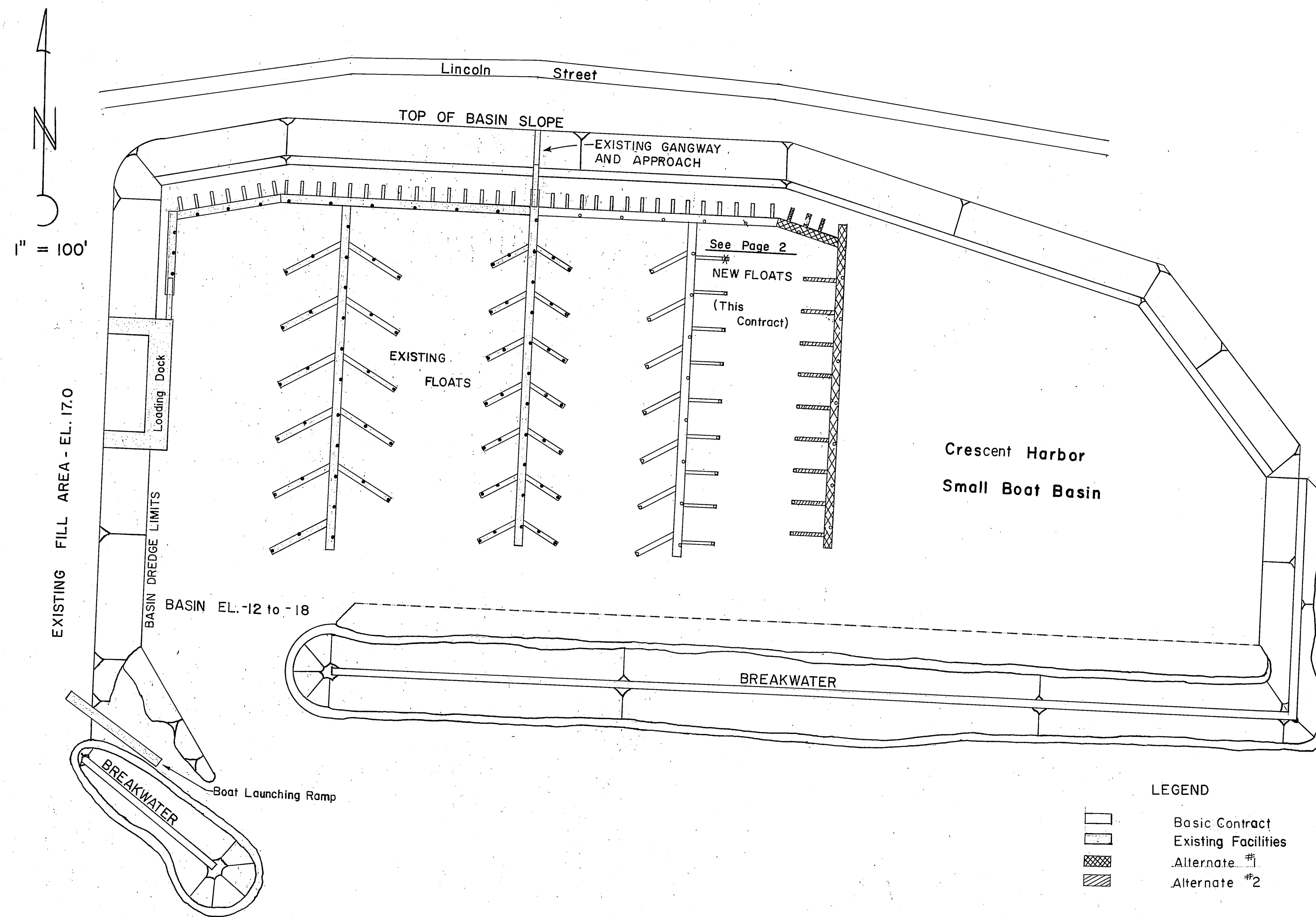
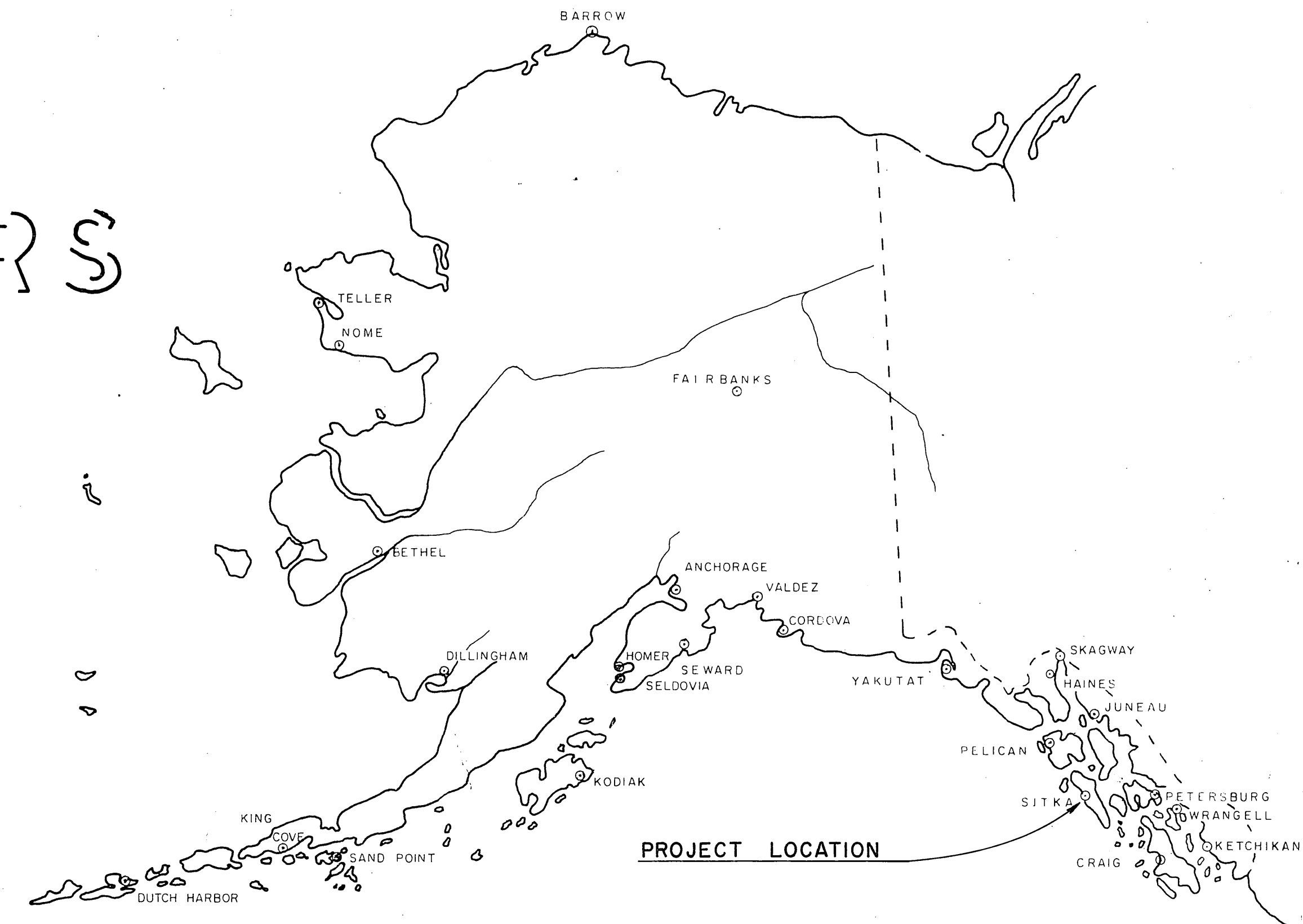


STATE OF ALASKA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER & HARBORS
SITKA CRESCENT HARBOR FACILITIES
PHASE II PROJ. NO. W 67183



LEGEND
 [Symbol] Basic Contract
 [Symbol] Existing Facilities
 [Symbol] Alternate #1
 [Symbol] Alternate #2

WORK SUMMARY

The basic project shall include construction and installation of 11,182 sq. ft. of polystyrene floats, furnishing and driving 29 creosote piling (1,547 lin. ft.), furnishing and constructing 5 fire stops, and furnishing and installing a domestic water and fire protection system.

Alternate No. 1 shall include construction and installation of 4,758 sq. ft. of polystyrene floats, furnishing and driving 8 creosote piling (416 lin. ft.), drilling 3 piling holes (30 lin. ft.), furnishing and constructing 3 fire stops, and furnishing and installing a domestic water and fire protection system for facilities included under alternate No. 1.

Alternate No. 2 shall include construction and installation of 1512 sq. ft. of polystyrene stall floats, furnishing and driving 9 creosote piling (478 lin. ft.), and drilling 2 piling holes (20 lin. ft.).

INDEX TO SHEETS

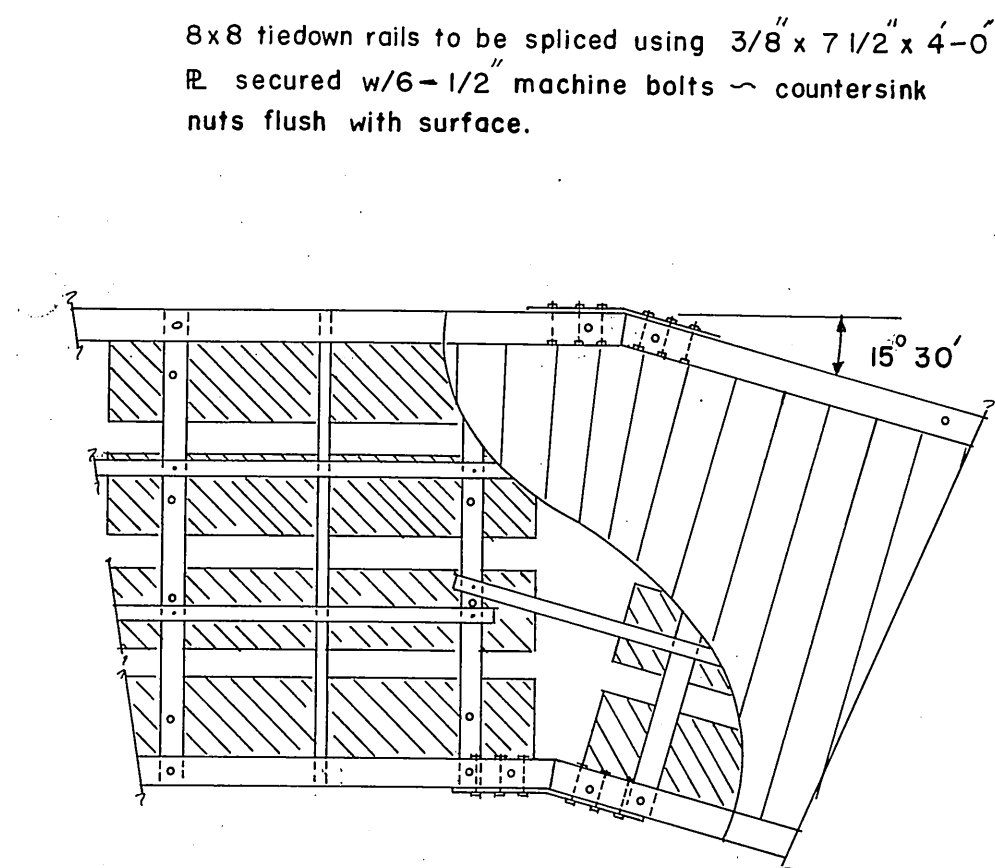
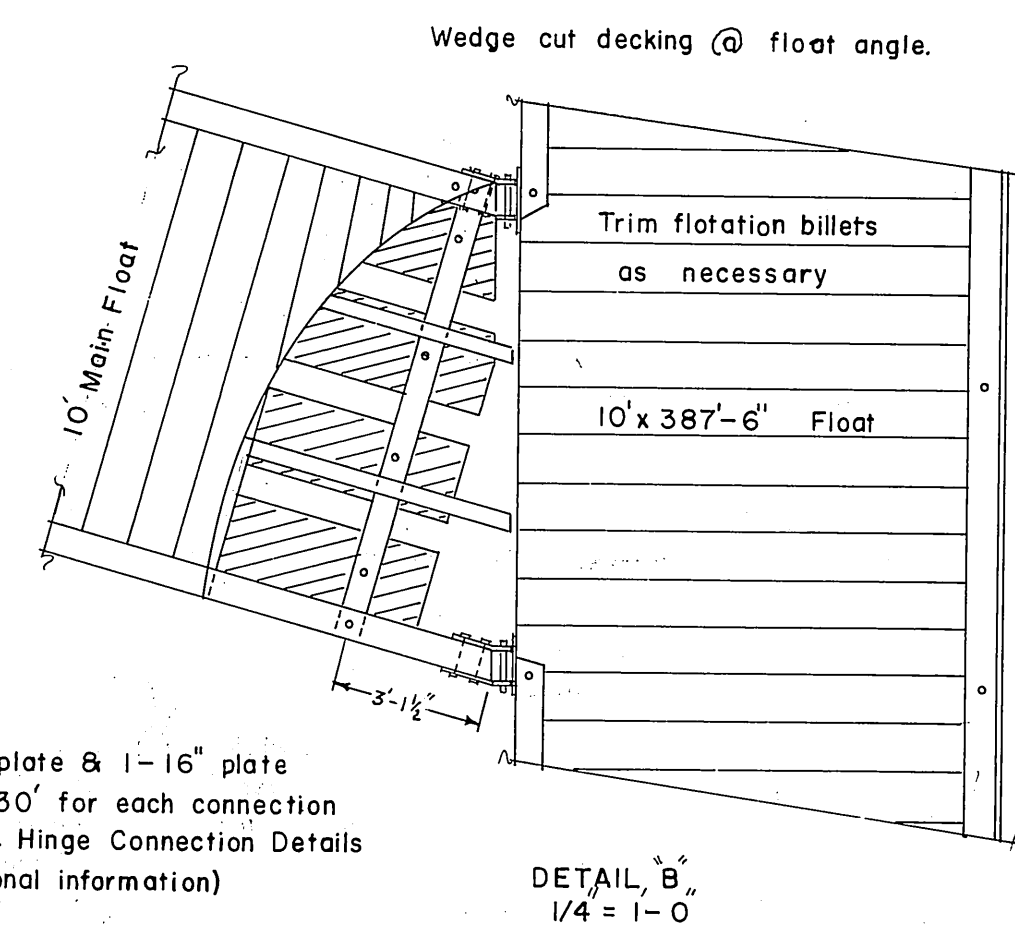
TITLE - PROJECT LAYOUT	SHEET 1
FLOAT & MISC. DETAILS	" 2
FIRE & WATER SYSTEM DETAILS	" 3
FIRE & WATER DISTRIBUTION, TYP.	" 4
TYPICAL FLOATS	" 5
TYPICAL STALL FLOATS	" 6
TYPICAL CONNECTION DETAILS	" 7

AS BUILT

DATE 6-14-66 APPROVED [Signature] COMMISSIONER

GENERAL NOTES

1. Pile cutoff Elev. + 22' ft. MLLW
2. Float piling to be driven butt down to 15' ft. penetration or refusal as may be determined by the Engr.
3. Omit tiedown rails where finger floats and 6' & 4' floats join 10' floats. Do not omit tiedown rails at 3x17 stall floats.
4. Tiedown rails between 6' stall floats to have one splice only.
5. Tiedown rail between 42' stalls to be in one piece (no splices).
6. Tiedown rail cut-outs for 6' angled stalls to be 6'-0".

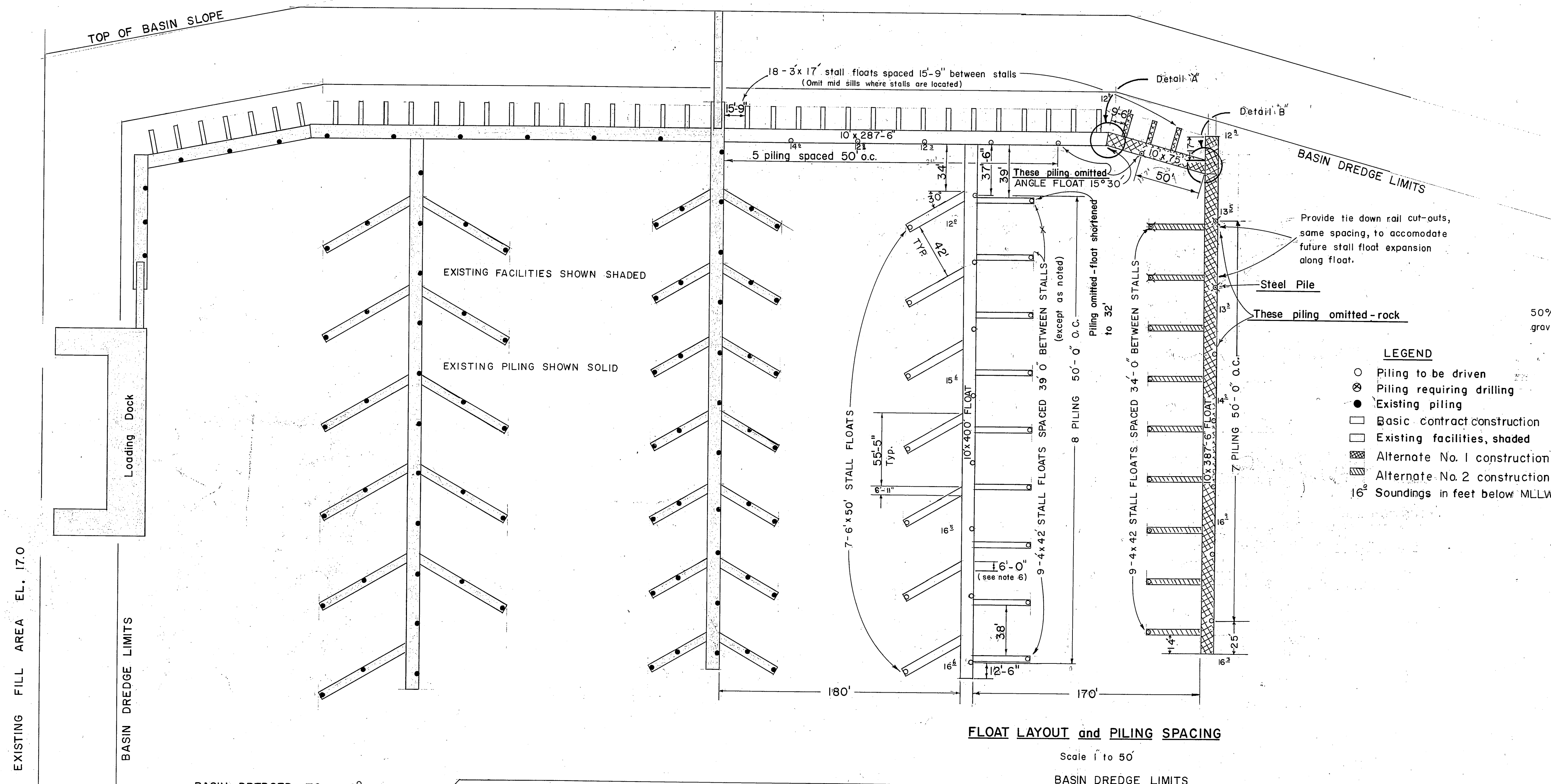


Decking @ float angle to be wedge cut.

6x8 stringers to be spliced using 3/8" x 5 1/2" x 4'-0" R. secured w/6-1/2" machine bolts.

DETAIL, A

1/4" = 1'-0"



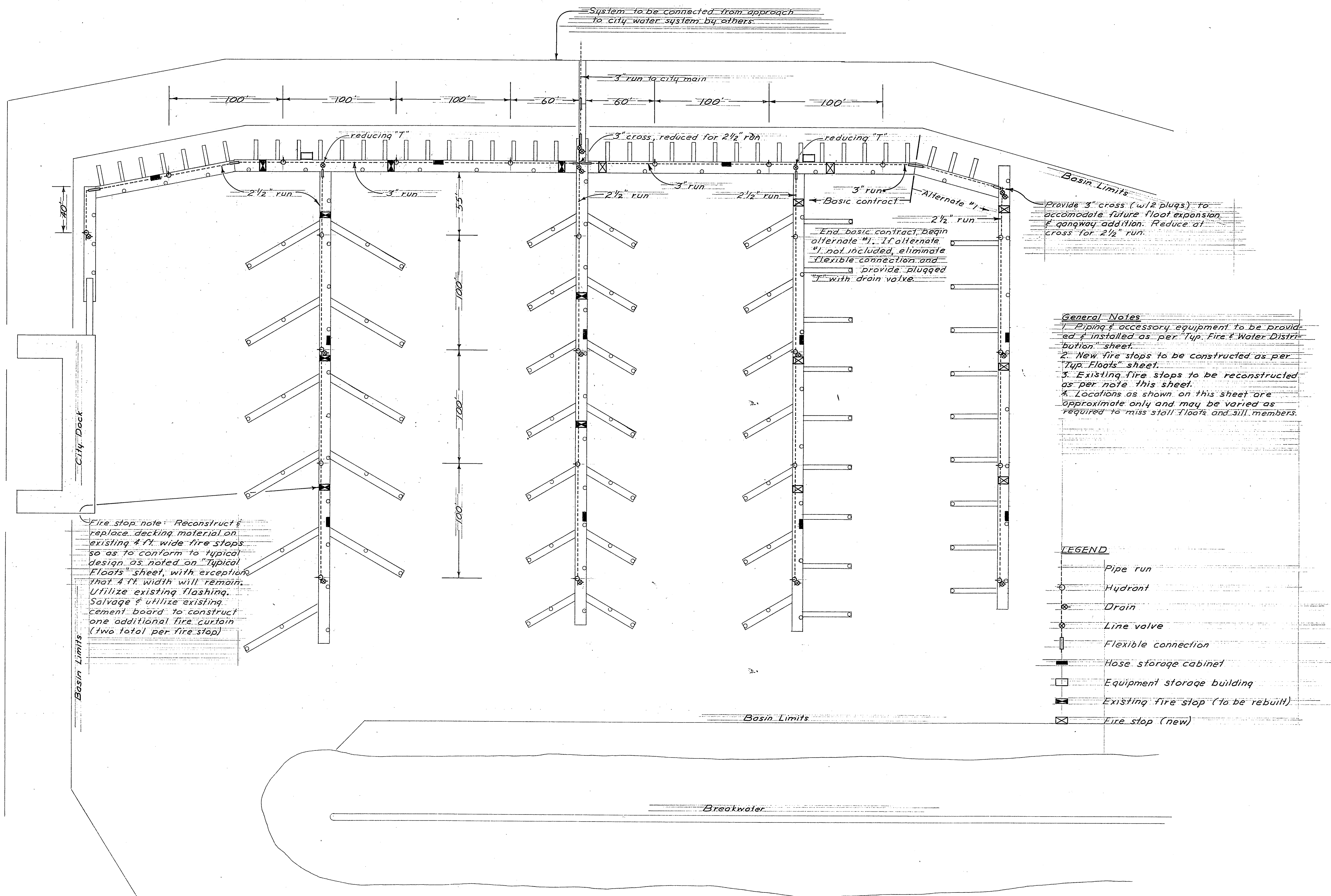
LEGEND

- Piling to be driven
- ⊗ Piling requiring drilling
- Existing piling
- Basic contract construction
- ▨ Existing facilities, shaded
- ▩ Alternate No. 1 construction
- ▧ Alternate No. 2 construction
- 16' Soundings in feet below MLLW

TYPICAL DRILL HOLE and PILING INSTALLATION

Scale 1" to 2'

STATE OF ALASKA	
DEPARTMENT OF PUBLIC WORKS	
DIVISION OF WATER AND HARBORS	
FLOAT and PILING LAYOUT	
MISCELLANEOUS CONSTRUCTION DETAILS	
SCALE As Shown	APPROVED DON STATTER
DATE June, 1966	DIRECTOR
ROLL NO. W67183	DESIGNED BY J.B.
	DRAWN BY C.D. CHECKED BY J.S.



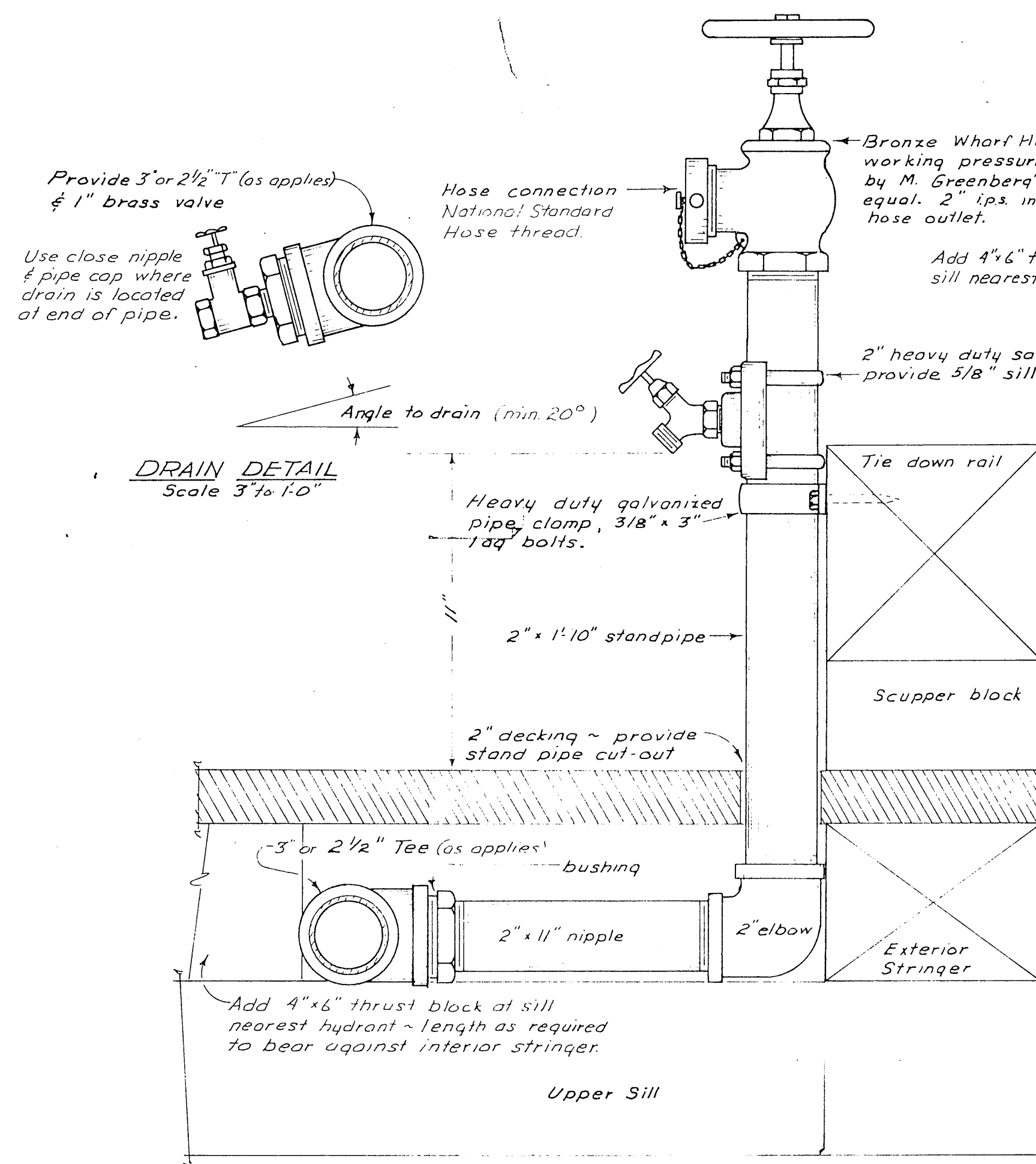
- General Notes**
1. Piping & accessory equipment to be provided & installed as per "Typ. Fire & Water Distribution" sheet.
 2. New fire stops to be constructed as per "Typ. Floats" sheet.
 3. Existing fire stops to be reconstructed as per note this sheet.
 4. Locations as shown on this sheet are approximate only and may be varied as required to miss stall floats and sill members.

LEGEND	
	Pipe run
	Hydrant
	Drain
	Line valve
	Flexible connection
	Hose storage cabinet
	Equipment storage building
	Existing fire stop (to be rebuilt)
	Fire stop (new)

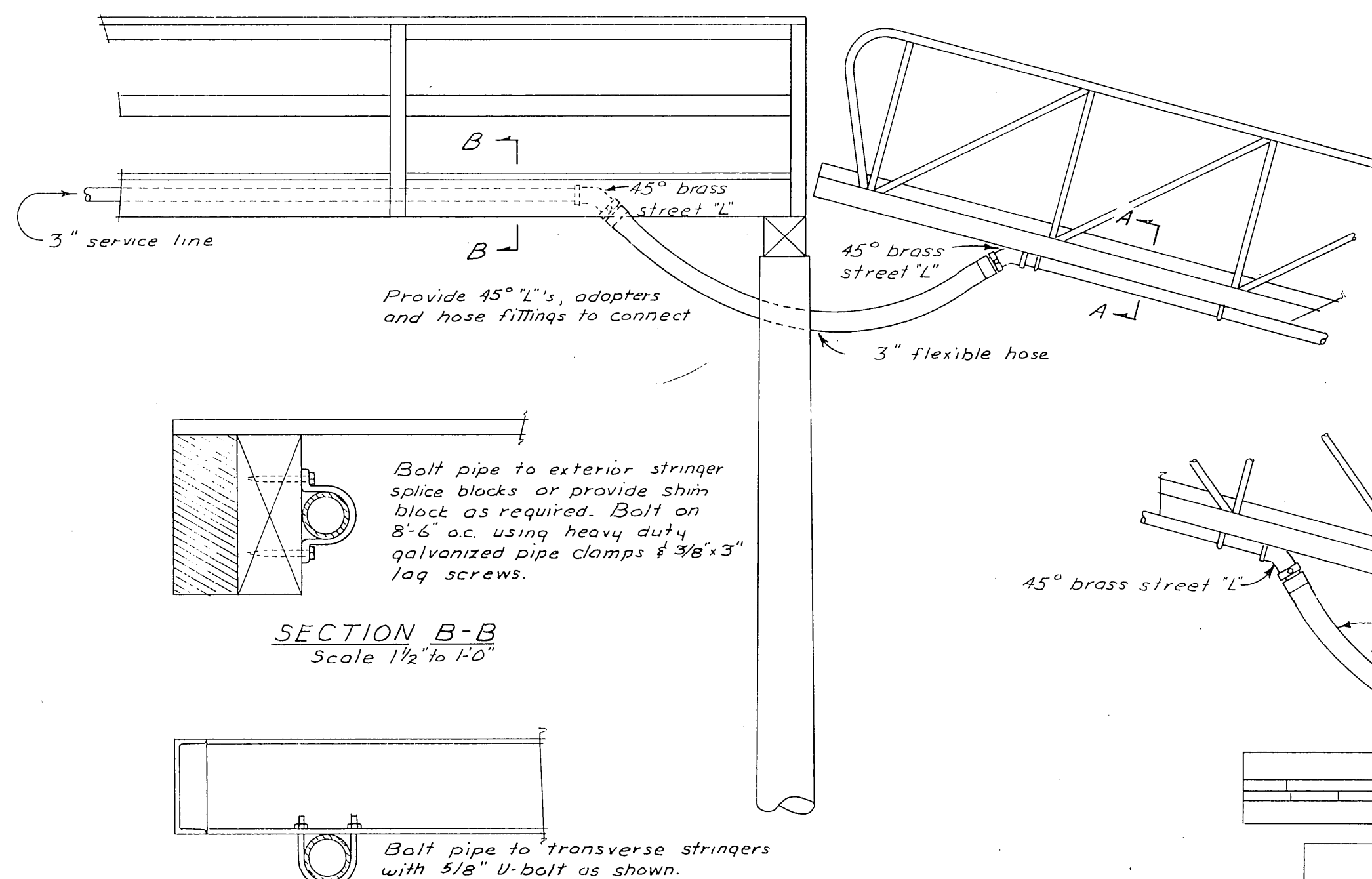
STATE OF ALASKA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER AND HARBORS

FIRE AND WATER SYSTEM LAYOUT DETAILS

SCALE: Schematic
DATE: June, 1966
PROJ. NO. W-67/83
DESIGNED BY: B.D.S.
DRAWN BY: B.D.S.
CHECKED BY: B.D.S.
APPROVED: DON STATTER
DIRECTOR

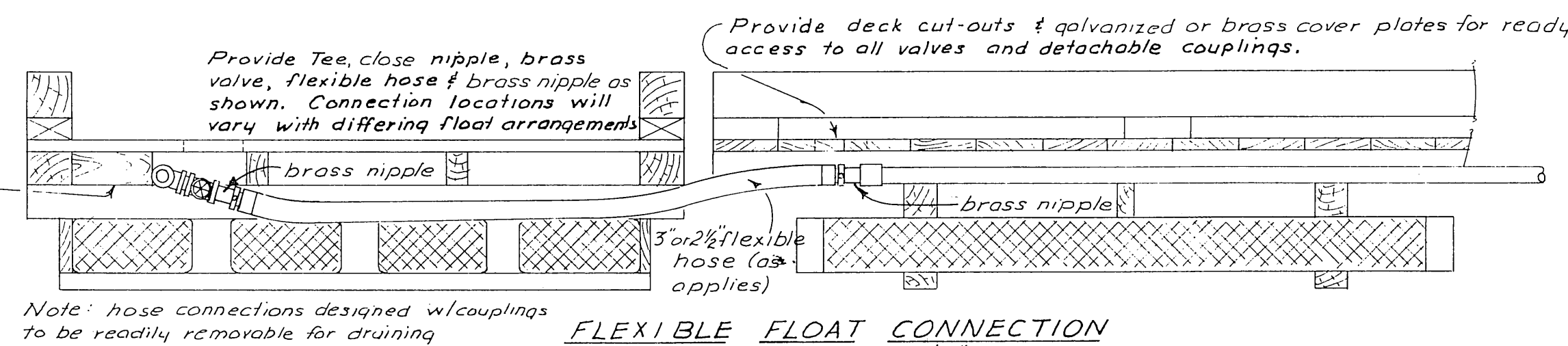


FIRE HYDRANT DETAILS
Scale 3" to 1'-0"

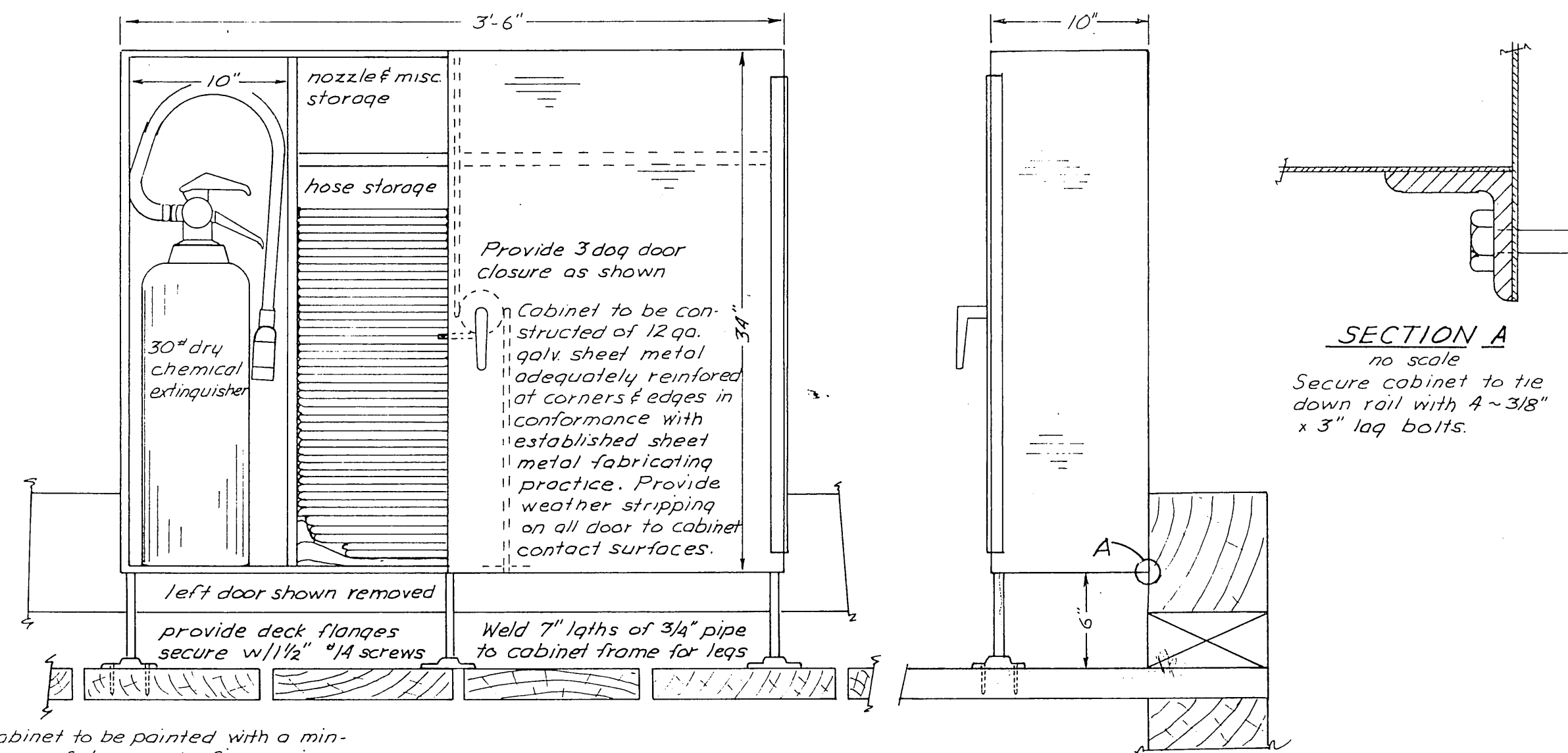


SECTION B-B
Scale 1 1/2" to 1'-0"

SECTION A-A
Scale 1 1/2" to 1'-0"



FLEXIBLE FLOAT CONNECTION
Scale 1/2" to 1'-0"



HOSE & EXTINGUISHER CABINET
Scale 1 1/2" to 1'-0"

General Construction Notes:

All ferrous metal hardware to be hot dip galvanized.

Hose connections to utilize pin lug fire hose coupling (National Standard Hose Thread). Couplings to be secured to hose with internal expansion rings.

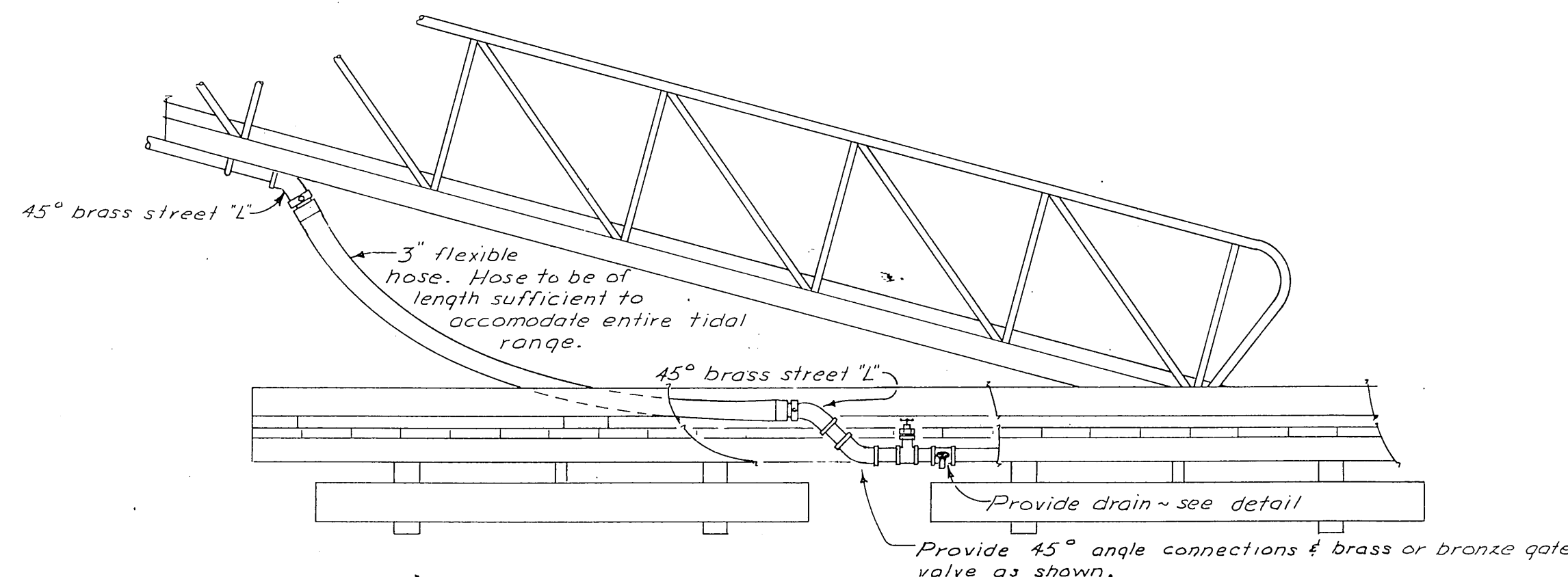
Fittings or couplings that reduce the nominal diameter or restrict fluid flow will not be permitted.

All gate valves to be brass or bronze non rising stem type w/min. working pressure capacities of not less than 150 psi.

Where flexible hose couplings join metal pipe, the brass nipple or brass street "L" shall be faced to provide a smooth bearing surface for the hose coupling gasket.

Galvanized steel pipe to be standard wall thickness

All flexible hose to be 200 psi. neoprene coated hose of multiple laminated construction.



APPROACH ~ GANGWAY ~ FLOAT CONNECTION DETAILS
Scale 3/8" to 1'-0"

Accessory Equipment Notes (Refer to Specifications for details)

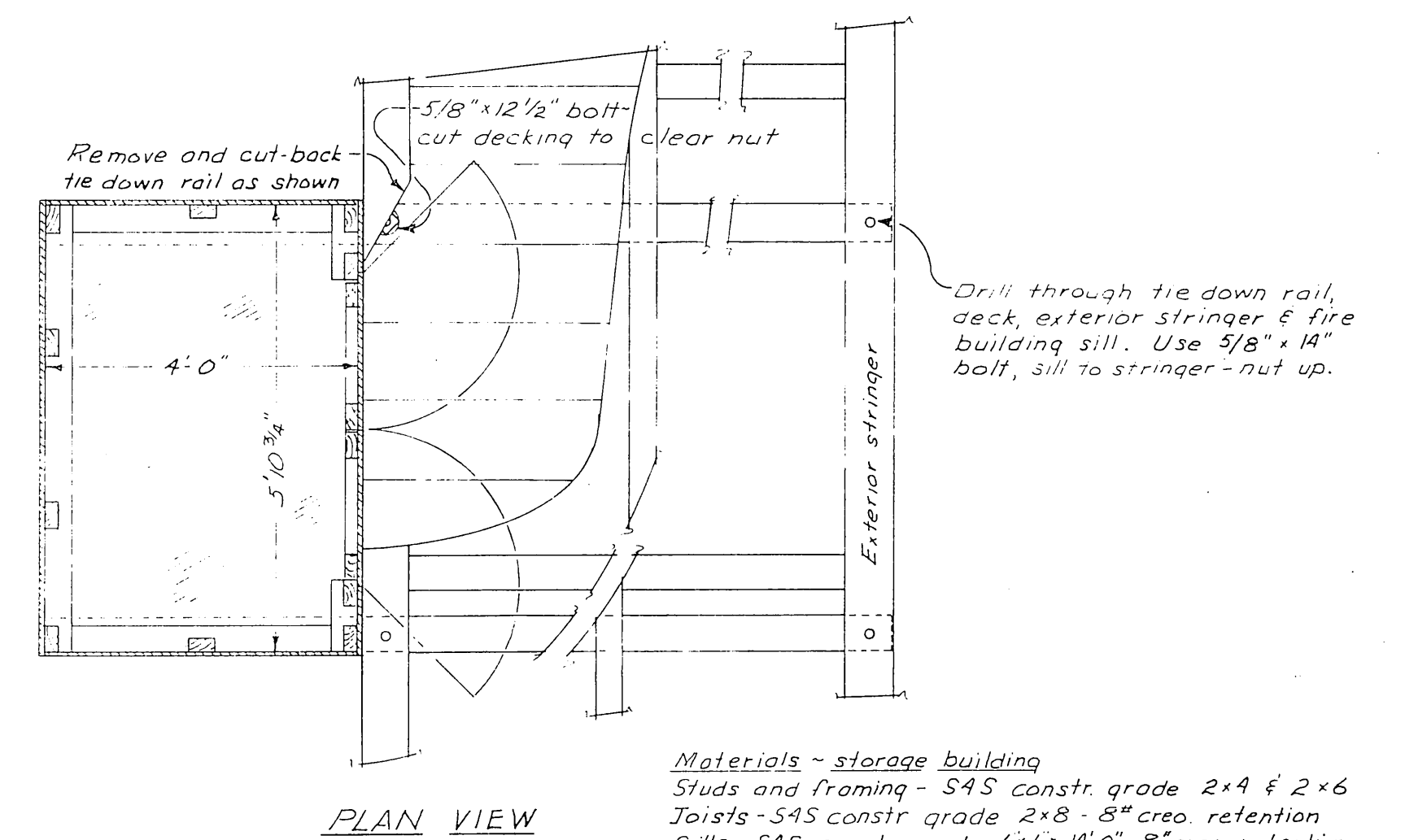
Provide 3-50' lengths of 1/2" fire hose per cabinet & per storage building.

Provide 1-ABC rated dry chemical 30 lb extinguisher per cabinet & building.

Provide 1-ABC rated dry chemical 75 lb wheel mounted engine per building.

Provide 1-1/2" portable fire pump and associated equipment per building.

Provide 2- pin lug fire hose wrenches and 1- standard fog nozzle ea cabinet & storage building.



PLAN VIEW

Materials - storage building

Studs and framing - S4S constr. grade 2x4 & 2x6

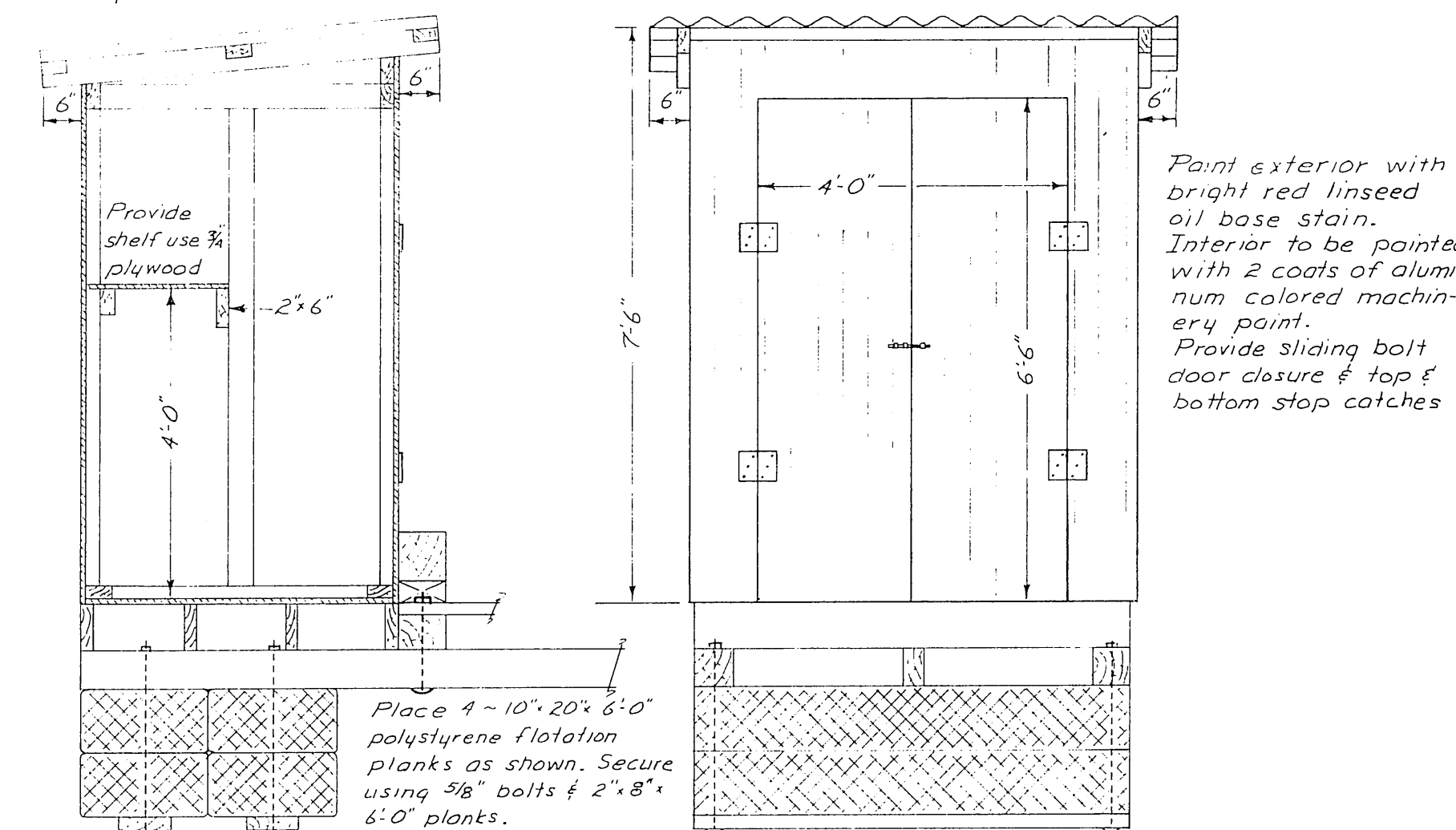
Joists - S4S constr. grade 2x8 - 8" creo. retention

Sills - S4S constr. grade 6x6 x 14'-0". 8" creo. retention

Flotation securing plants - S4S constr. grade 2x8 - 12" creo.

5 dog & doors - 3/8" exterior plyscored batten.

Provide precut roofing filler at each nailing surface. Roof to be 6oz green corrugated fiberglass roofing.



PROFILE SECTION

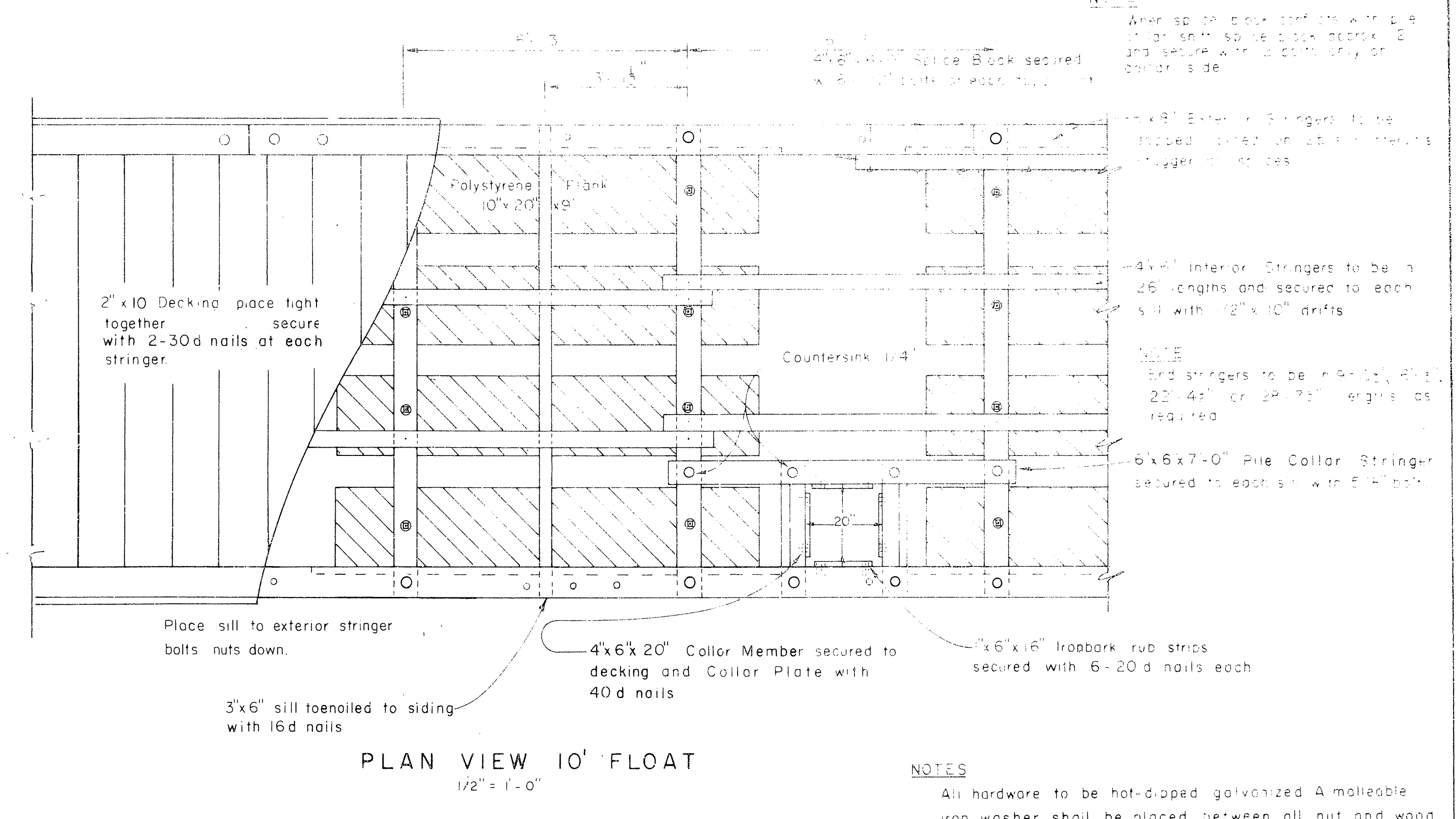
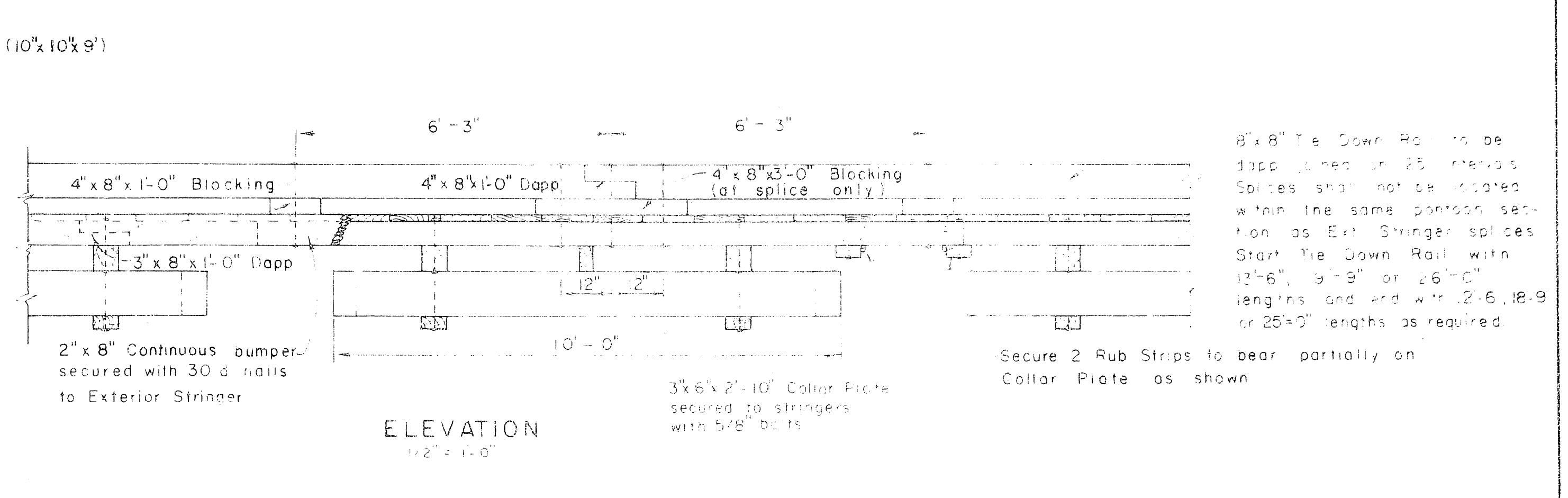
FRONT ELEVATION

FIRE FIGHTING EQUIPMENT STORAGE BUILDING
Scale 1/2" to 1'-0"

STATE OF ALASKA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER AND HARBORS

TYPICAL FIRE AND DOMESTIC WATER DISTRIBUTION SYSTEM

SCALE - As shown -
DATE - November '65
PROJ. NO. -
DESIGNED BY QS & B
APPROVED - DON STATTER
DRAWN BY B
CHECKED BY



PRE-DRILLED BOLT HOLES
COLLAR MEMBERS - all holes
SILLS - holes for floatation plank bolts
STRINGERS - 1 holes for stringer to sill bolts
 2. splice block holes
TIE DOWN RAIL - all holes
PILE COLLAR STRINGER - 10' FLOAT - all holes
FIELD DRILLED BOLT HOLES
SILLS - 1. holes for stringer to sill bolts
 2. pile collar stringer to sill
PILE COLLAR INT. STRINGER - 6' FLOAT - all holes
RAIL BLOCKING - all holes
COLLAR PLATES - all holes
EXT. STRINGER - 1. holes for tie down rail bolts
 2. " " pile collar plate bolts

REVISIONS MARCH 1965

1. Omit end plates
2. Clarified pre-drilling note
3. Change decking gap from 1/2" to 3/4"
4. Change 2"x10" rough siding members to 2"x10 1/2" actual size
5. Change 3"x6", 4"x6" and 6"x6" upper sills from rough to S-I-E 1/8" off.
6. Revised hinge connection and 6' float pile collar.
7. Change sill spacing from 6'-0" to 6'-3".

REVISIONS JAN. 1966

1. Add polyethylene barrier note
2. Delete reference to extruded polystyrene billets
3. Change deck nails from 20d to 30d

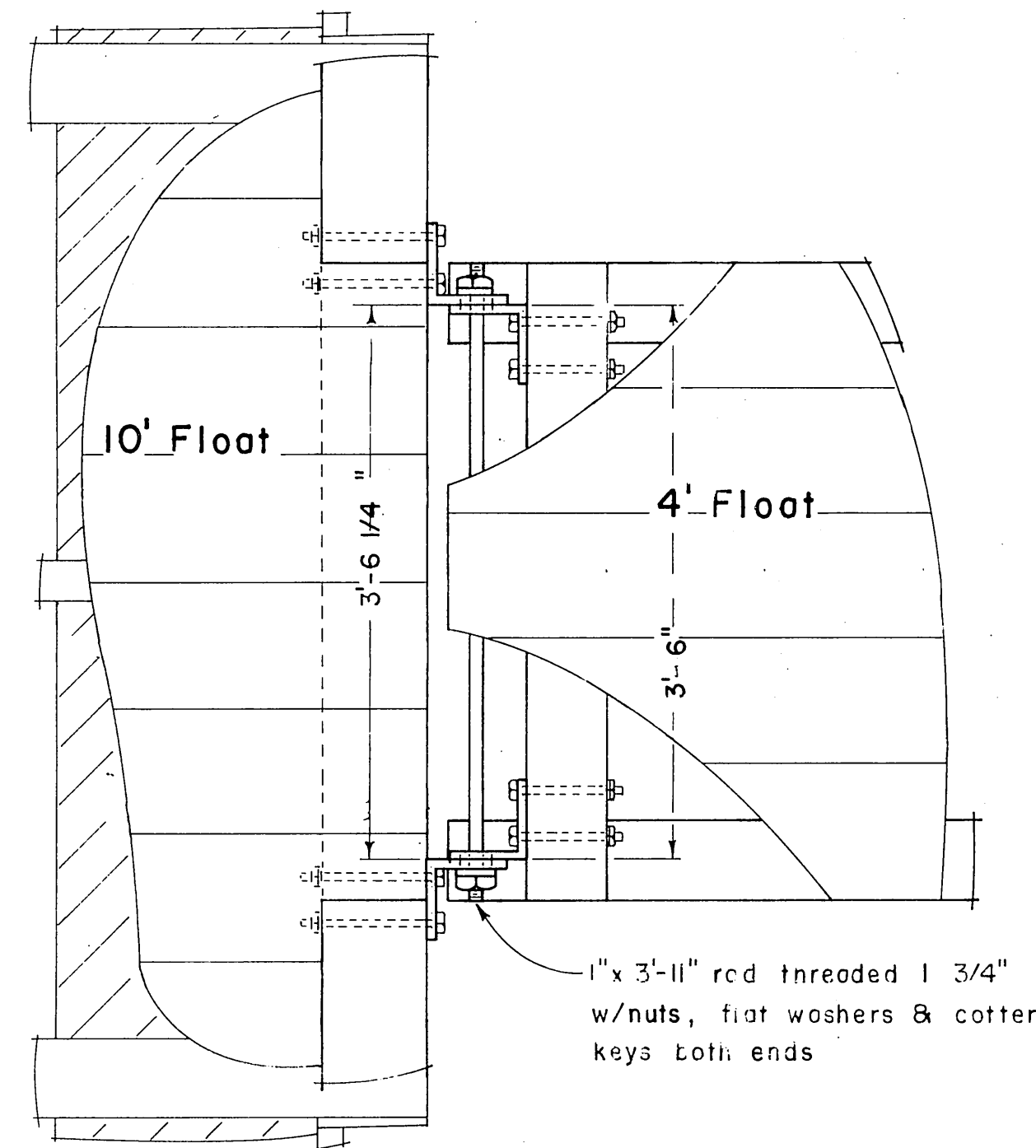
on washer shall be placed on deck and float surfaces. All bolts to be of the economy headed type. Bolt holes to be drilled true size except sill bolt holes for floatation planks 1/8" oversize. Drift holes to be drilled 1/16" undersize. All field drift holes shall be treated with hot creosote oil. All pressure treated creosote material shall be cut to size prior to treatment. Tie down rails shall extend across all float ends except under gangway. All bolt heads facing decking shall be countersunk 1/4" inch previous to treatment. Field drill all drift bolt holes. A barrier of 4 mil black polyethylene shall be placed between the contact surfaces of all creosote timber and floatation material (except float siding members).

REVISIONS JUNE 1966
 1. Change deck to 2 x 10 placed tight together.

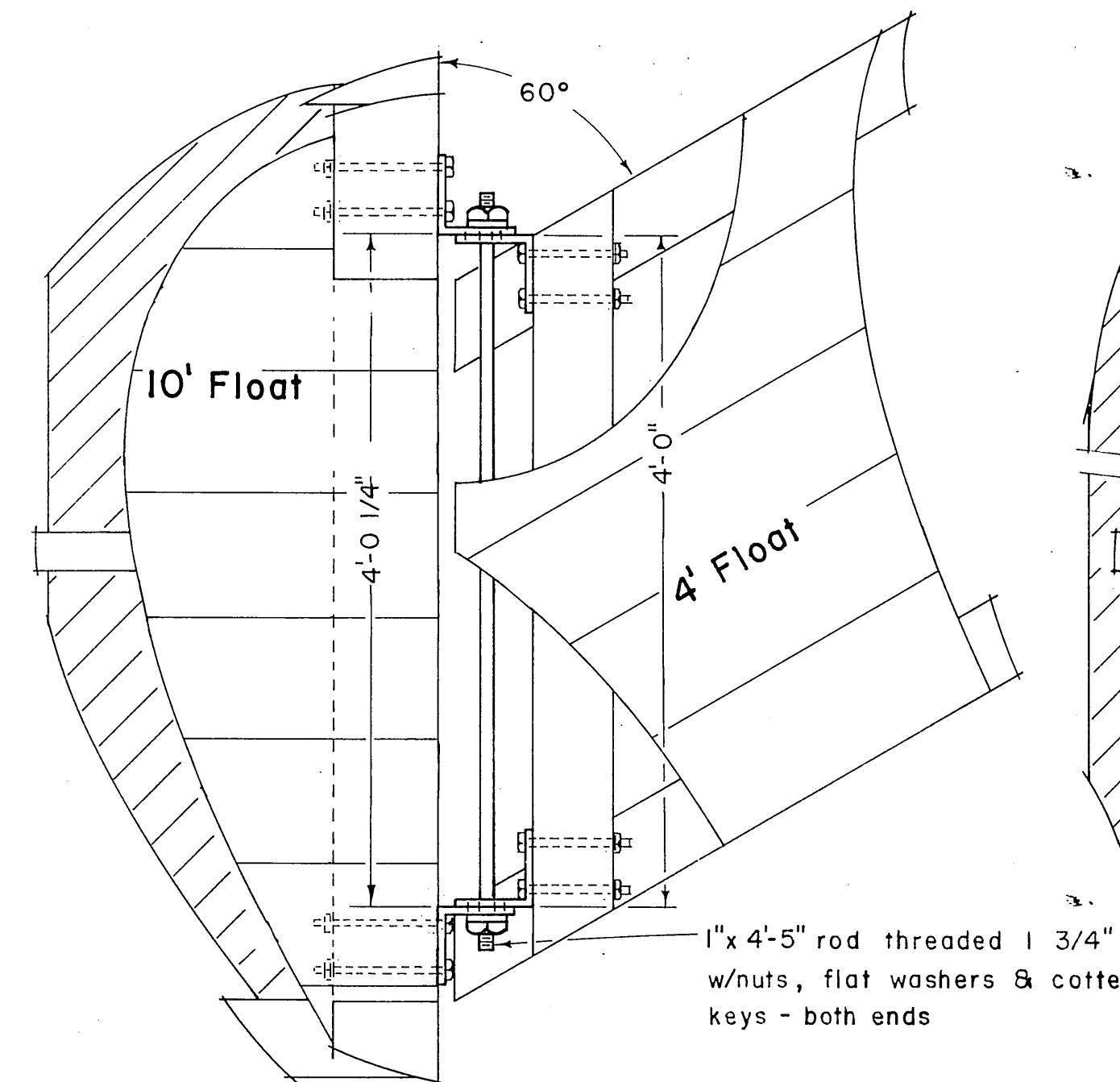
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS	
TYPICAL FLOATS	
SCALE AS SHOWN DATE March 1965	APPROVED <u>DON STATTER</u>

STATE OF ALASKA			
DEPARTMENT OF PUBLIC WORKS			
DIVISION OF WATER AND HARBORS			
TYPICAL		FLOATS	
SCALE AS SHOWN			
DATE March 1965		APPROVED <u>DON STAITER</u>	
PROJ NO		DIRECTOR	
DESIGNED BY RPH-JS		DRAWN BY SW	
		CHECKED BY JS	

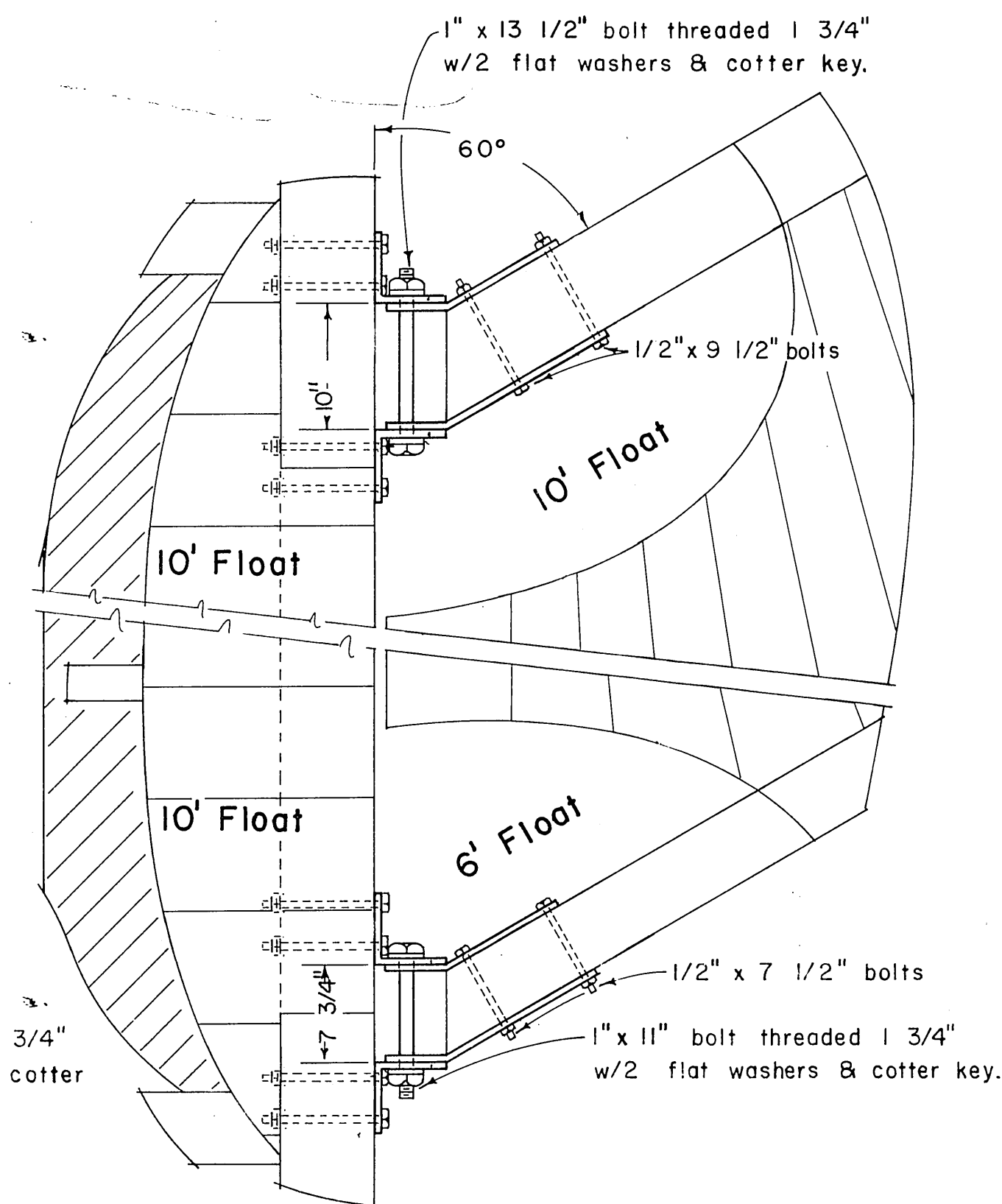
NOTE:
All cotter keys to be 3/16" x 1 3/4" -
drill holes located 1/2" from end of bolt.



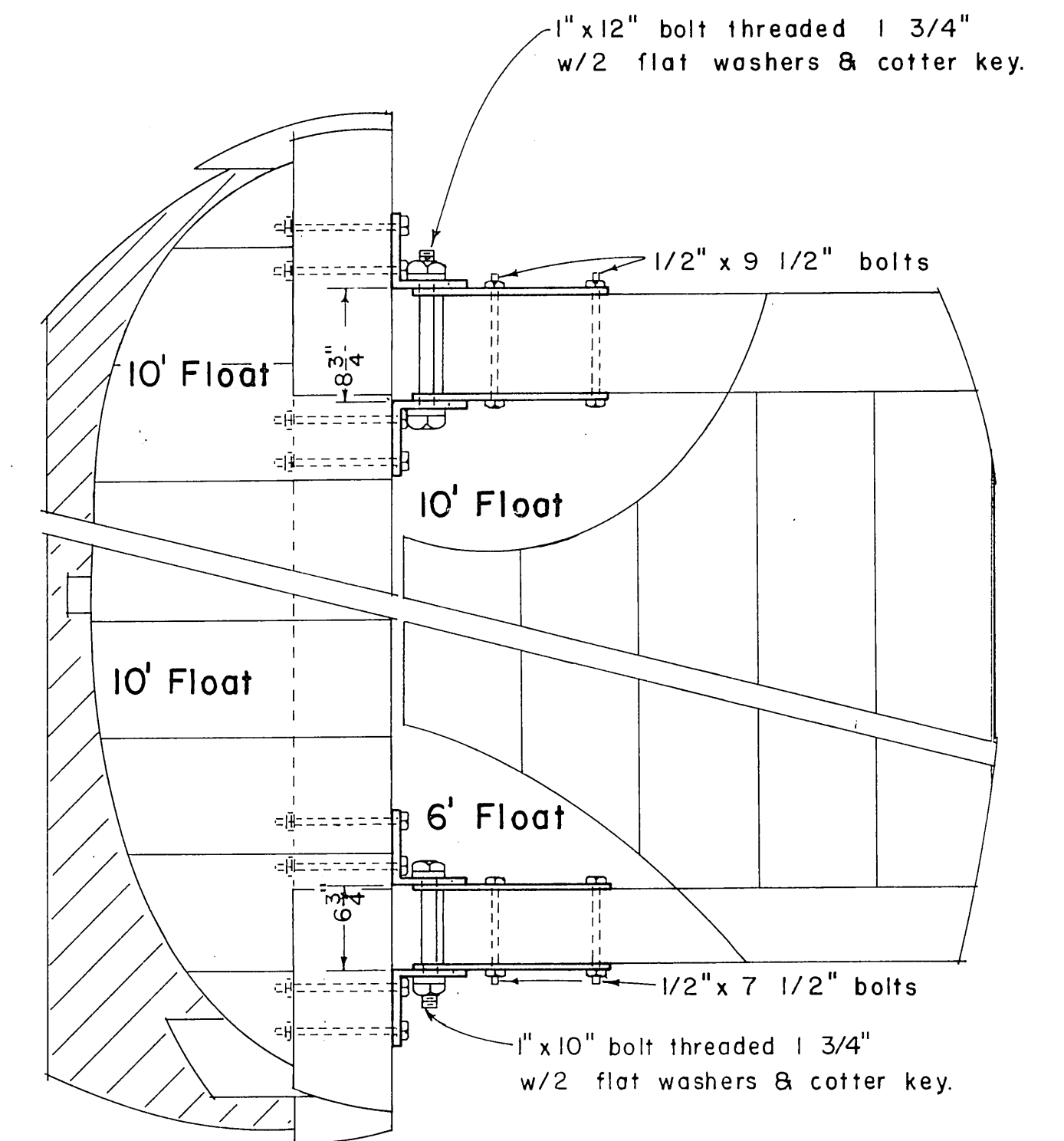
Plan - cutaway view



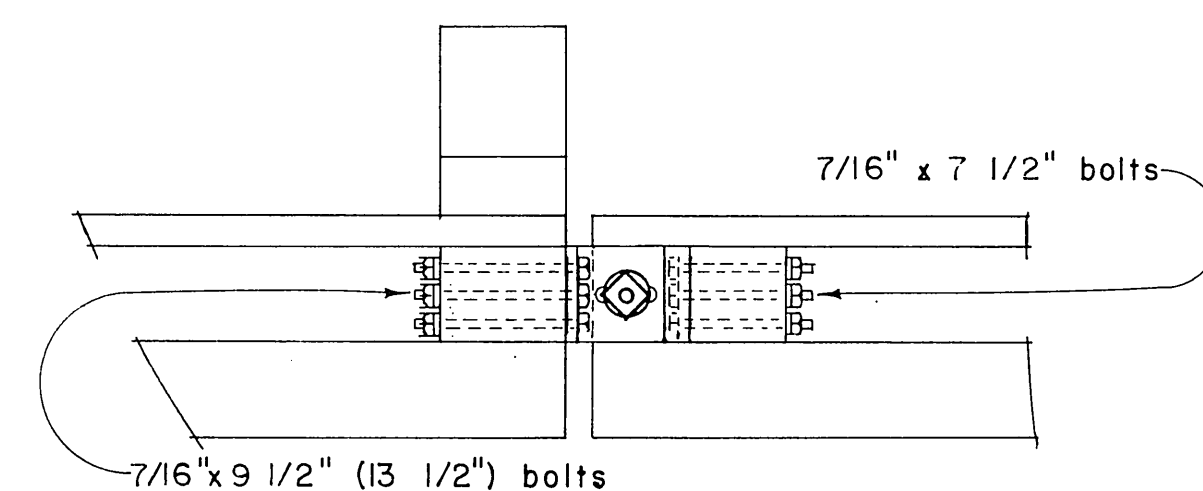
Plan - cutaway view



Plan - cutaway views

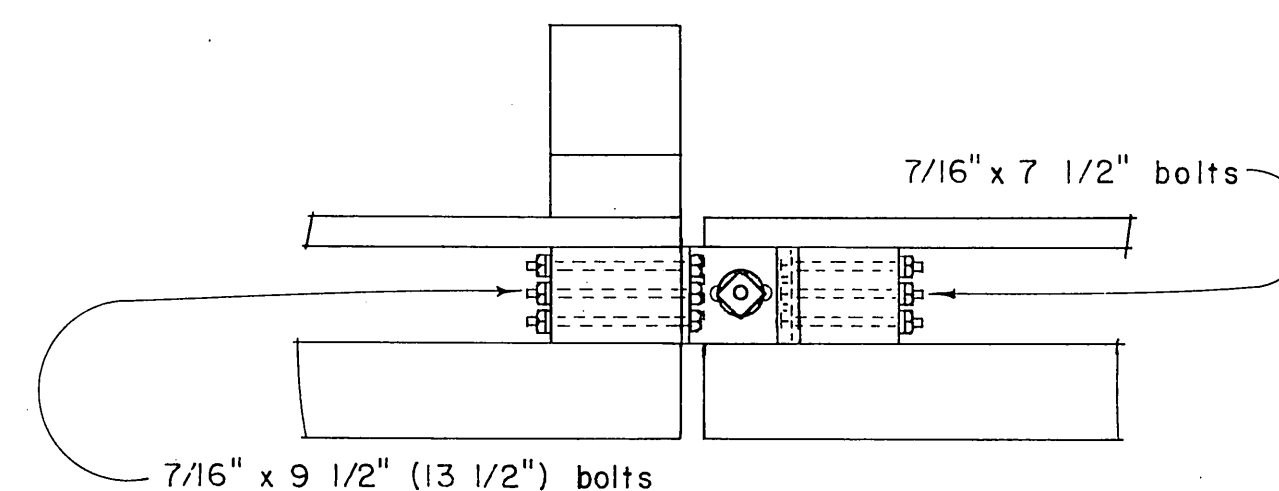


Plan - cutaway views



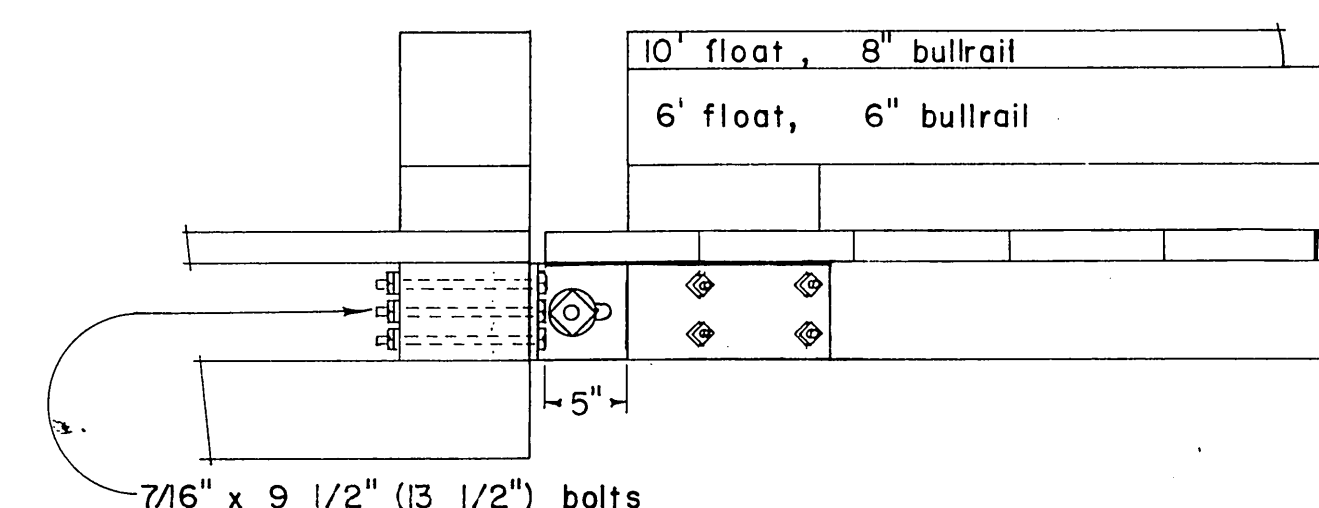
Elevation

4' FLOAT
Right angle connection
Scale 1" to 1'-0"



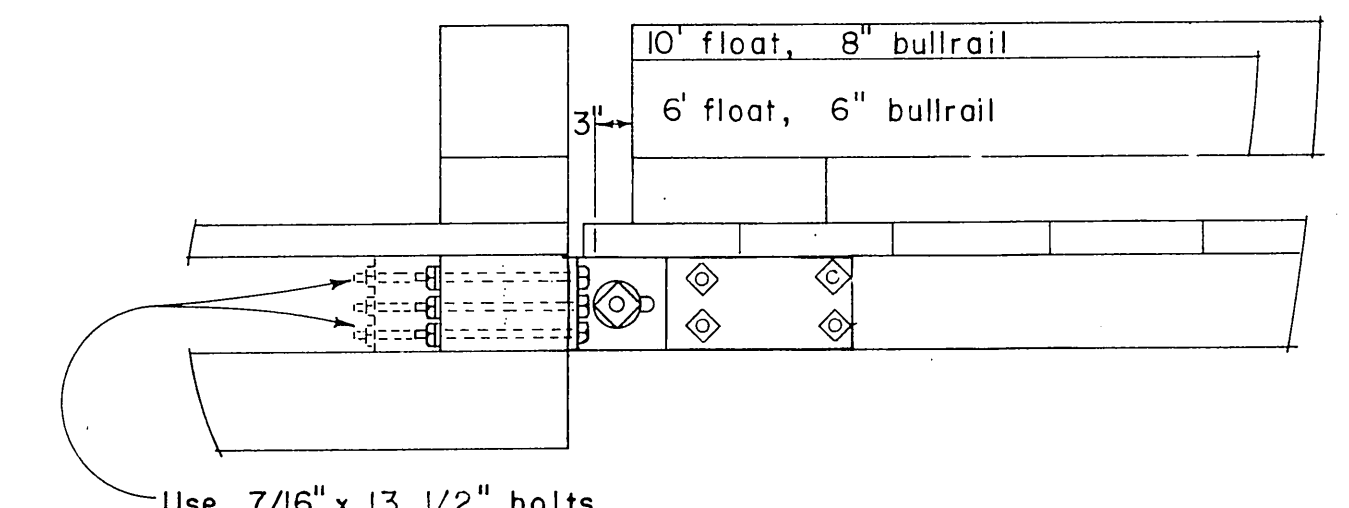
Elevation

4' FLOAT
60° angle connection
Scale 1" to 1'-0"



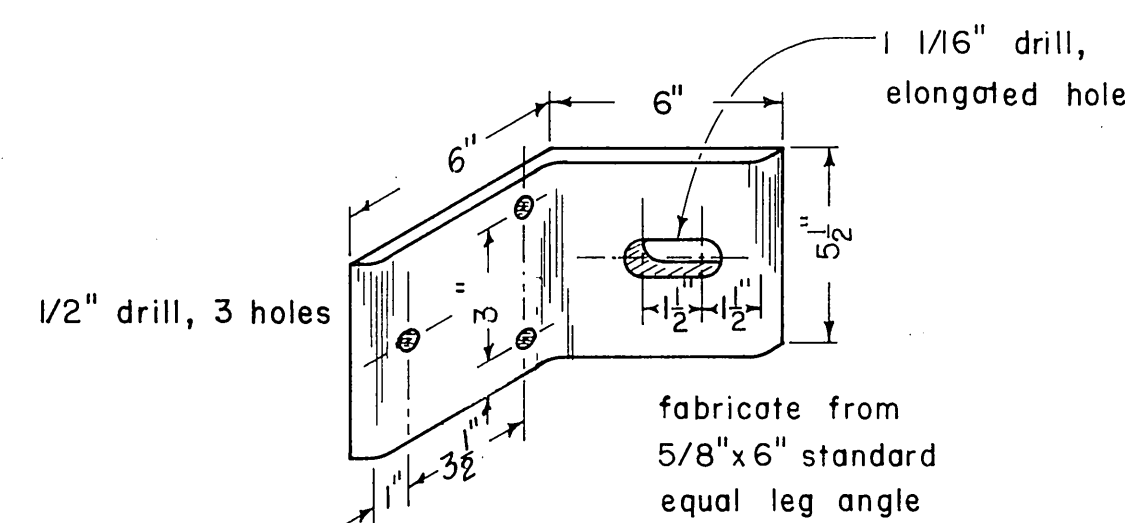
Elevation

6' & 10' FLOATS
60° angle connection
Scale 1" to 1'-0"

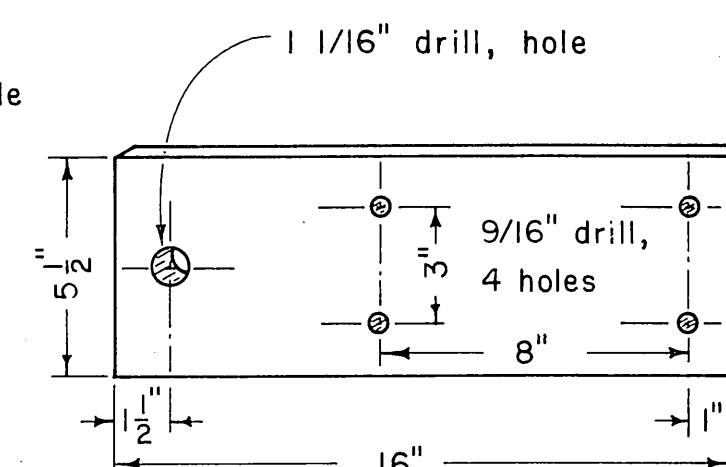


Elevation

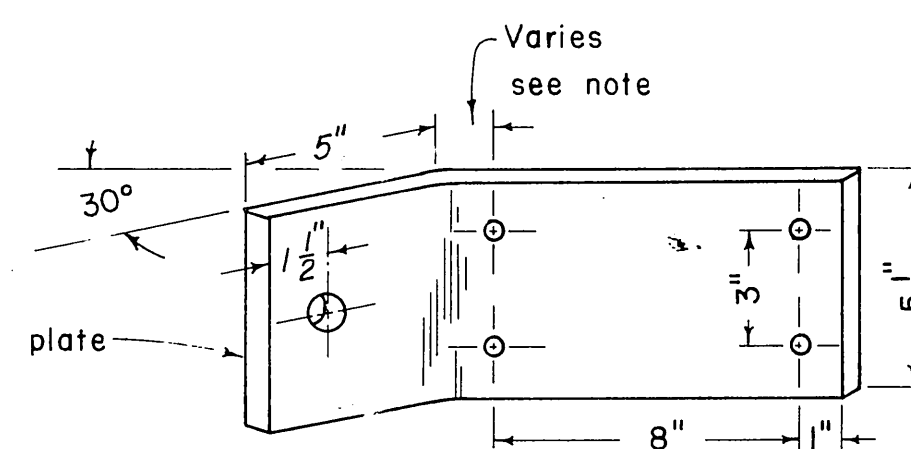
6' & 10' FLOATS
Right angle connections
Scale 1" to 1'-0"



ANGLE CLIP DETAILS



STANDARD PLATE DETAILS
Scale 1" to 5"



BENT PLATE DETAILS

Variable dimension note:
dimension to be -
2" all short side plates, for 16" plate
5 1/2" outside plates 6' angled float, for 19 1/2" plate
6 5/8" outside plates 10' angled float, for 20 5/8" plate

STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS	
TYPICAL HINGE CONNECTION DETAILS	
Scale - 1/2" = 1'-0"	Approved - JON STAFFER Director
Date - April 1965	Proj. No. -
Designed by - DS -	Drawn by - B - Checked by - DS -
SHEET NO. 7 OF 7 SHEETS	