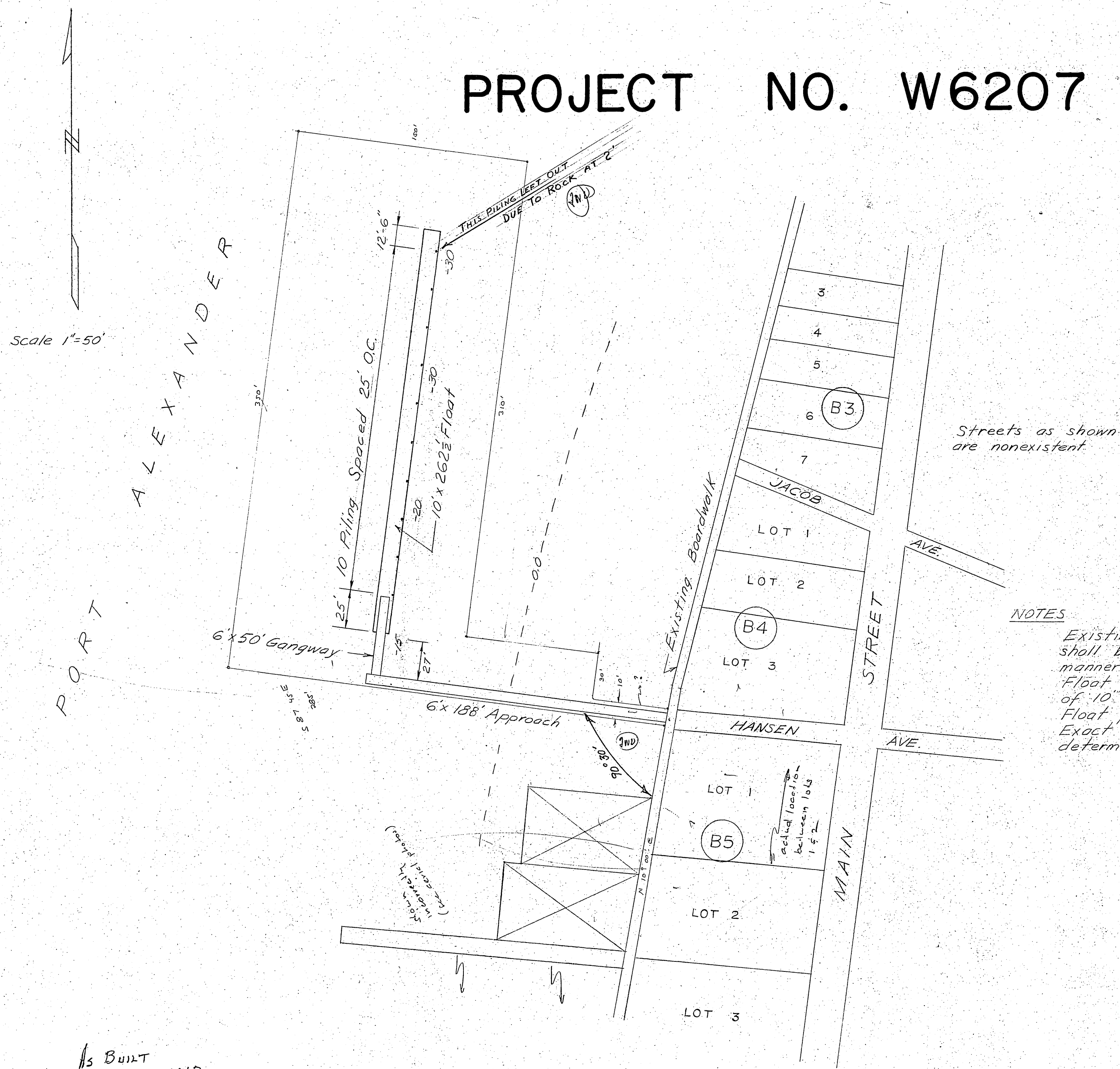
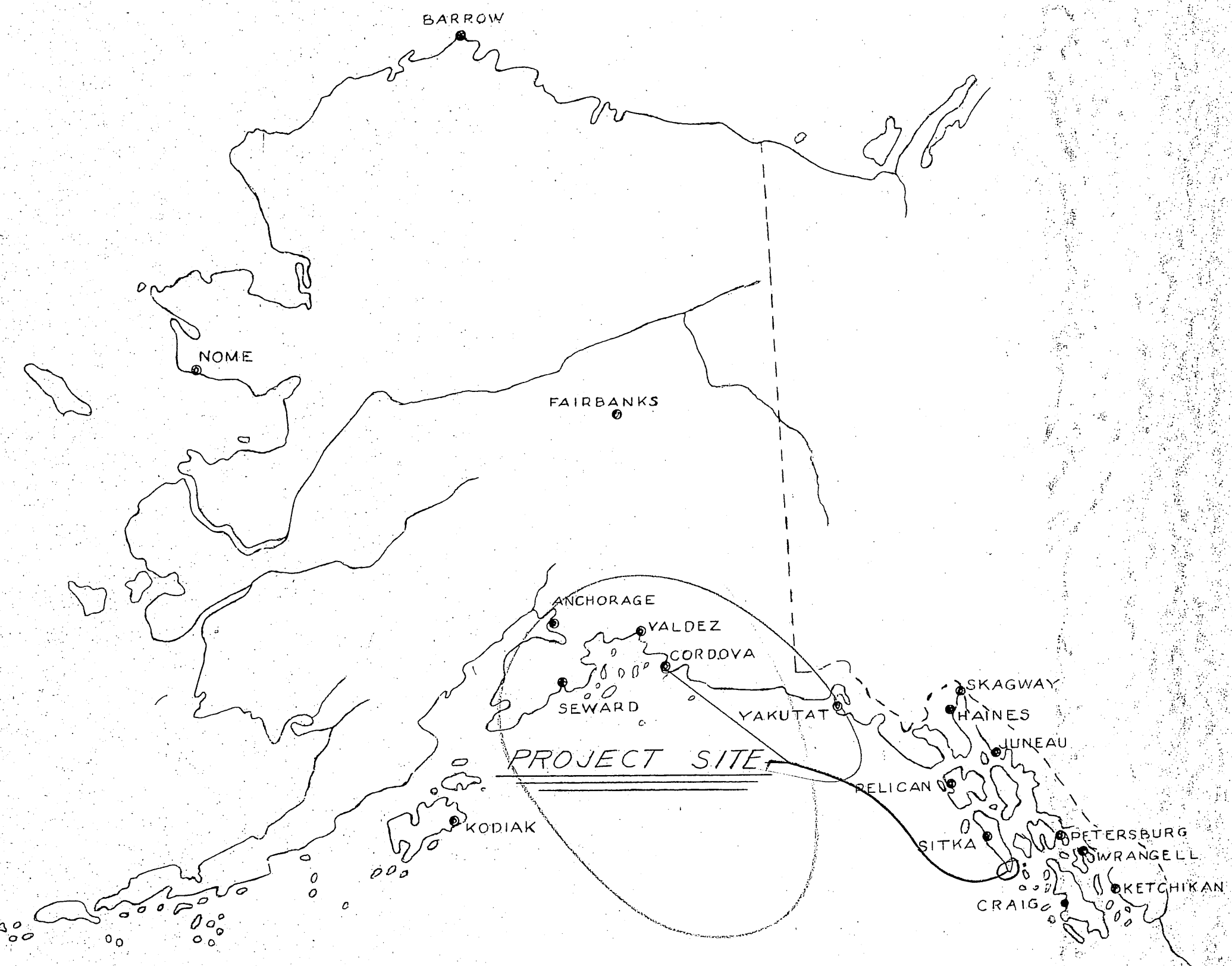


STATE OF ALASKA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER & HARBORS

PORT ALEXANDER APPROACH & FLOATS

PROJECT NO. W6207



Streets as shown
are nonexistent

NOTES
Existing log floats (presently anchored)
shall be removed & disposed of in a
manner acceptable to the Engr.
Float piling penetration to be a min.
of 10' or refusal.
Float piling cut-off elev. +22'.
Exact approach alignment will be
determined by the Engr.

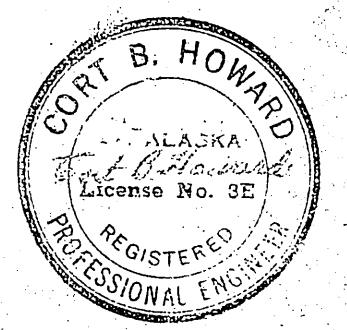
WORK SUMMARY

Major units of this project include
the removal of existing floats &
the construction of a 6x138'
approach, 6x50' gangway & a
10x262 1/2' float with 10 (approx. 596L.F.)
of float mooring piling.

INDEX TO SHEETS

TITLE & LAYOUT SHEET	SHEET
APPROACH CONSTRUCTION	2
TYPICAL FLOATS	3
TYPICAL GANGWAY	4

AS-BUILT - JUNE 1, 1962
Tom Voorhies - CONSTR. ENGR.



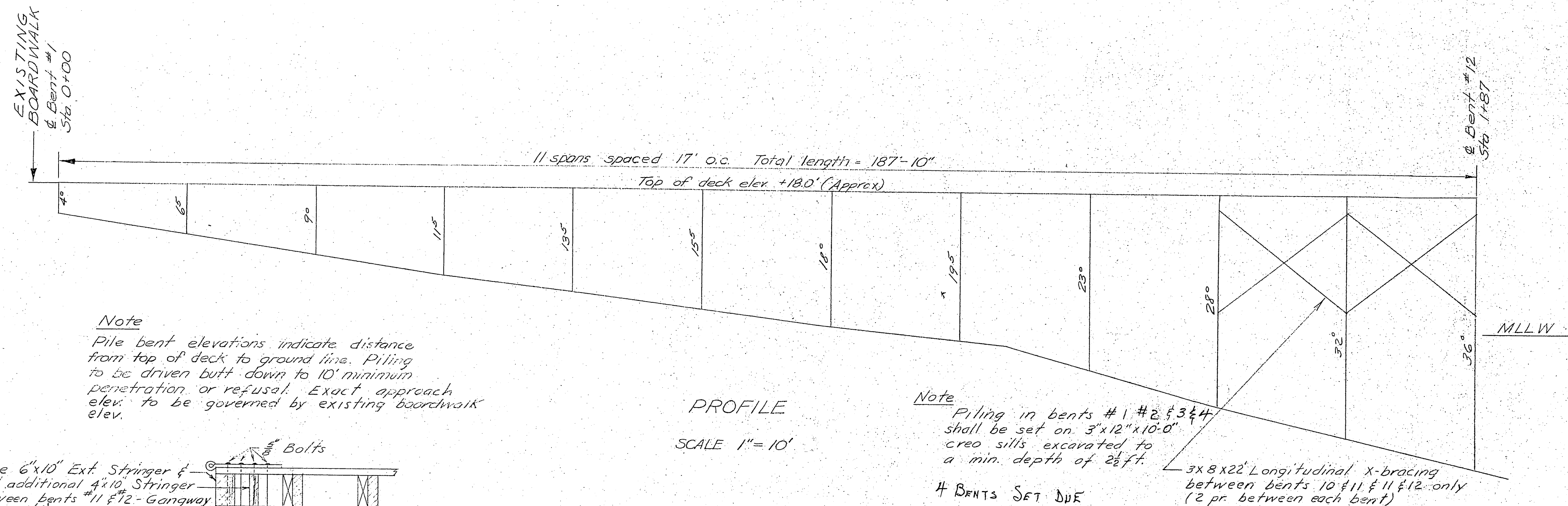
DATE 1/5/62

APPROVED *[Signature]*
COMMISSIONER

As Built

Port Alexander

As Built
JUNE 1, 1962

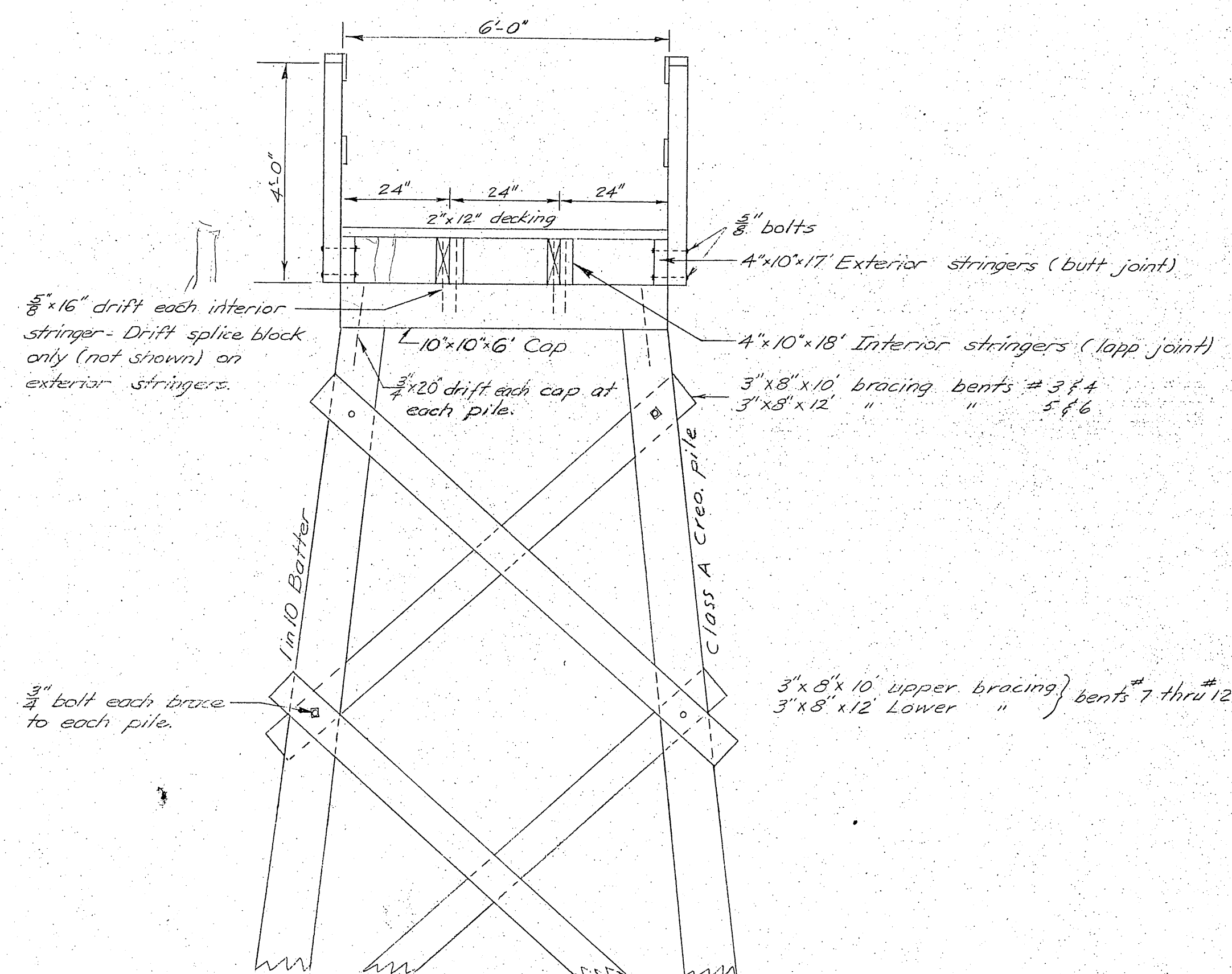


Note
Pile bent elevations indicate distance from top of deck to ground line. Piling to be driven butt down to 10' minimum penetration or refusal. Exact approach elev. to be governed by existing boardwalk elev.

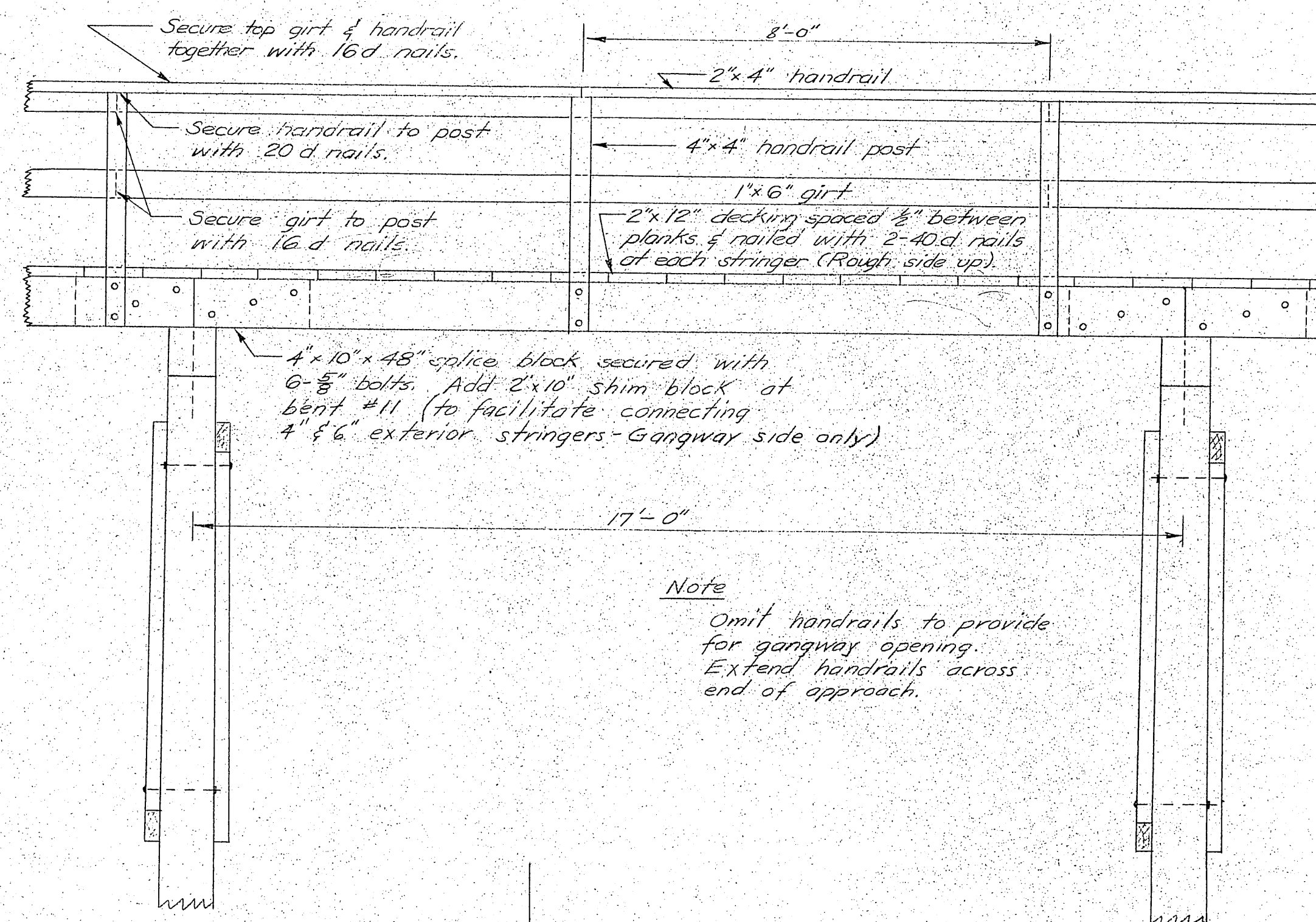
PROFILE
SCALE 1" = 10'

Use 6"x10" Ext. Stringer & add additional 4"x10" Stringer (between bents #11 & 12 - Gangway side only)
3"x8"x2'-6" bolt plate (creosote) 2 required

GANGWAY HANGER CONNECTION
1/2" = 1'-0"



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



APPROACH ELEVATION

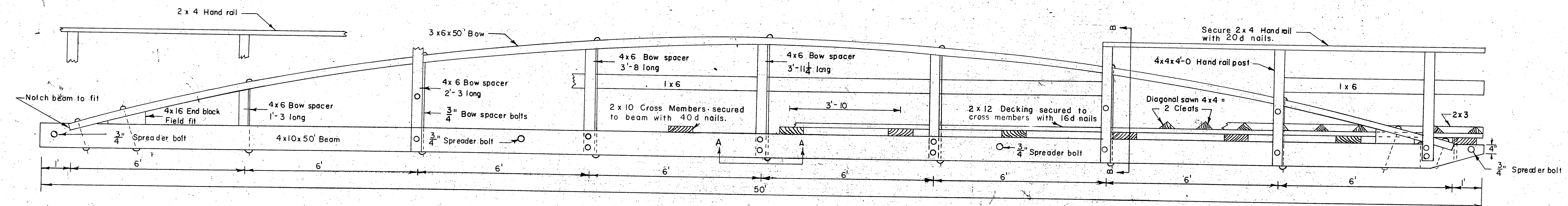
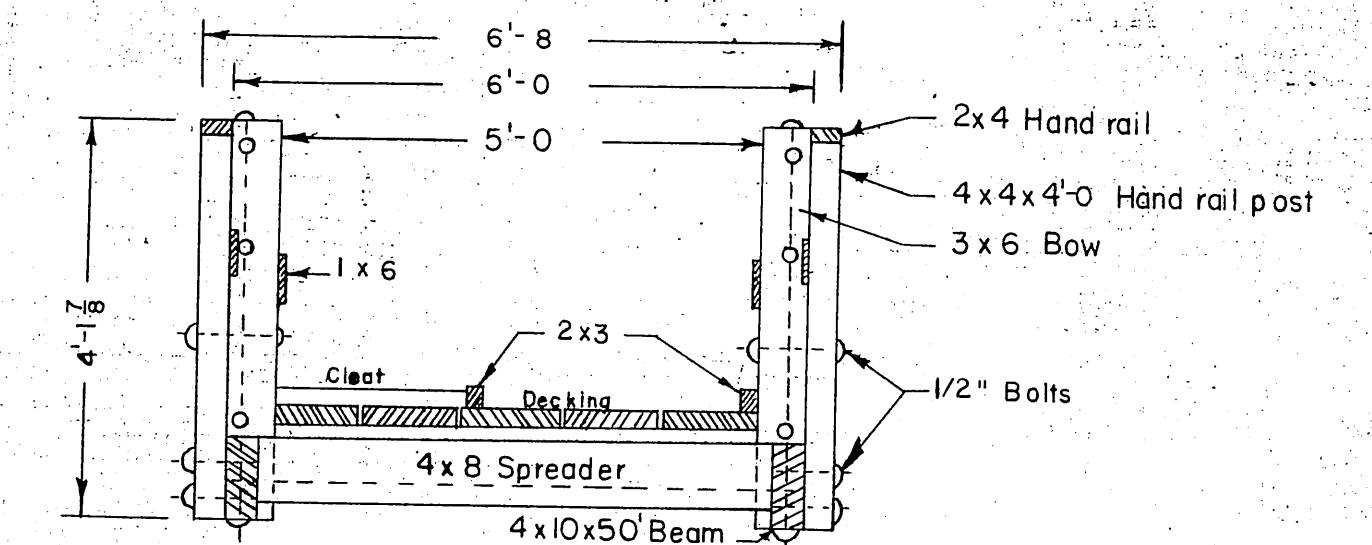
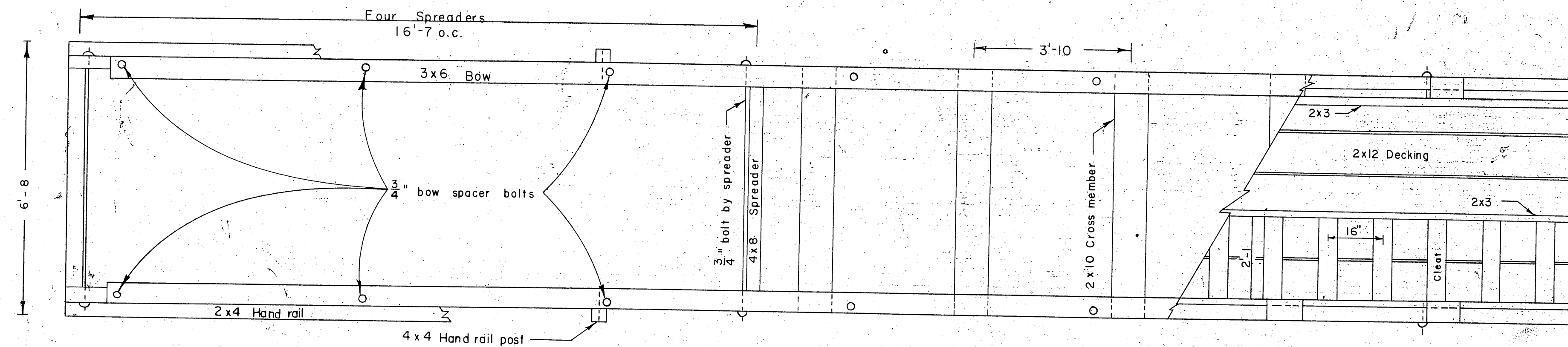
SCALE 1/2" = 1'-0"

MATERIALS			
ITEM	GRADE	DRESSING	CREOS. TREAT.
DOUGLAS FIR	Class A		12" Ret.
BRACING	Const.	Rough	" "
CAPS	"	"	10" "
STRINGERS	"	S4S	" "
SPLICE BLOCKS	"	"	" "
SITKA SPRUCE			
DECKING	"	SIS	None
HANDRAILS	"	S4S	"
HANDRAIL POSTS	"	"	"
GIRTS	"	"	"

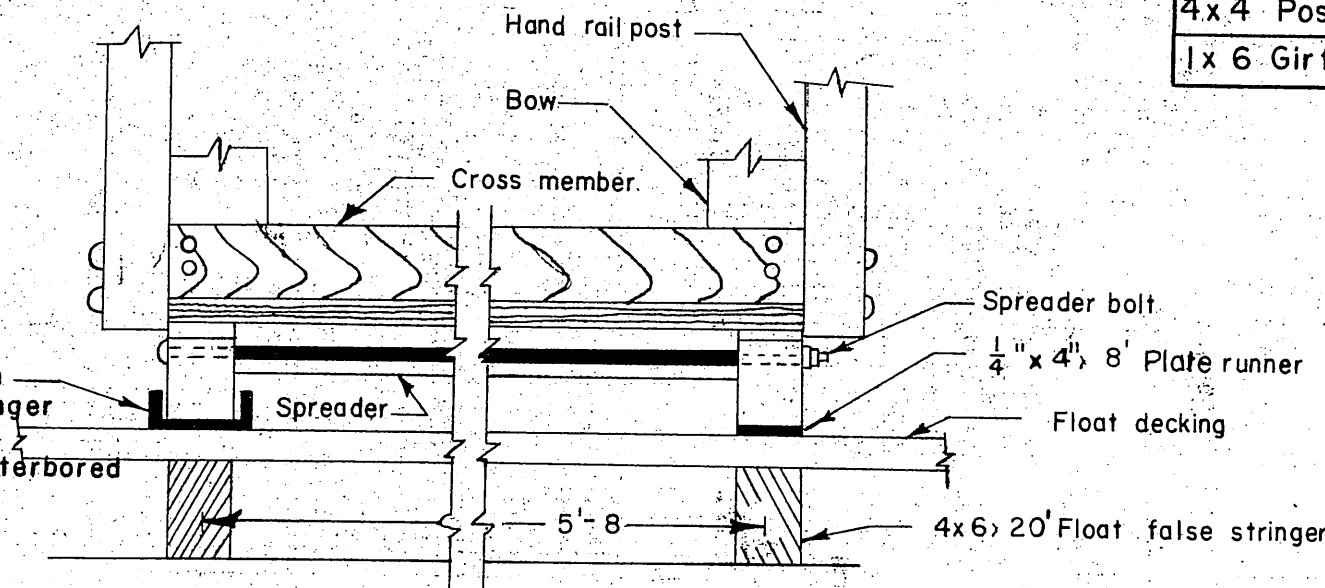
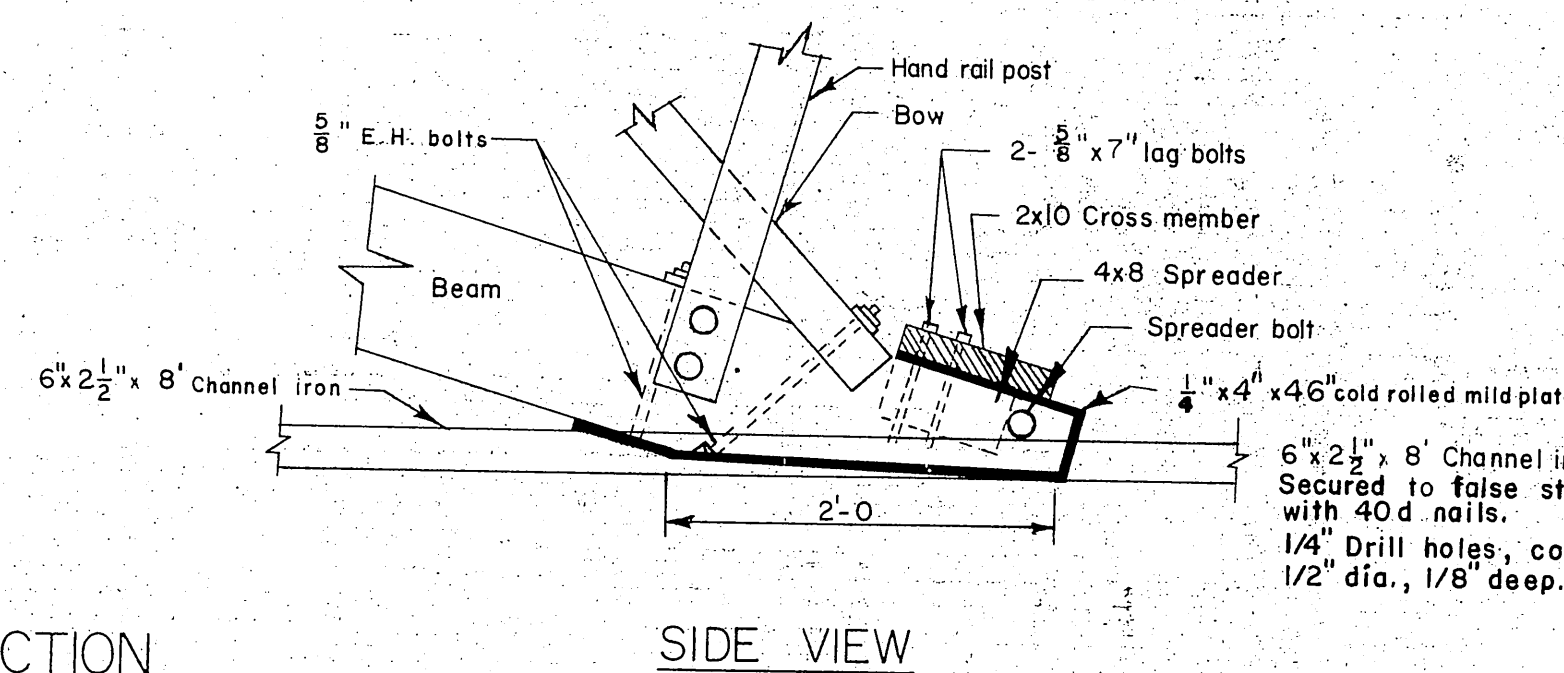
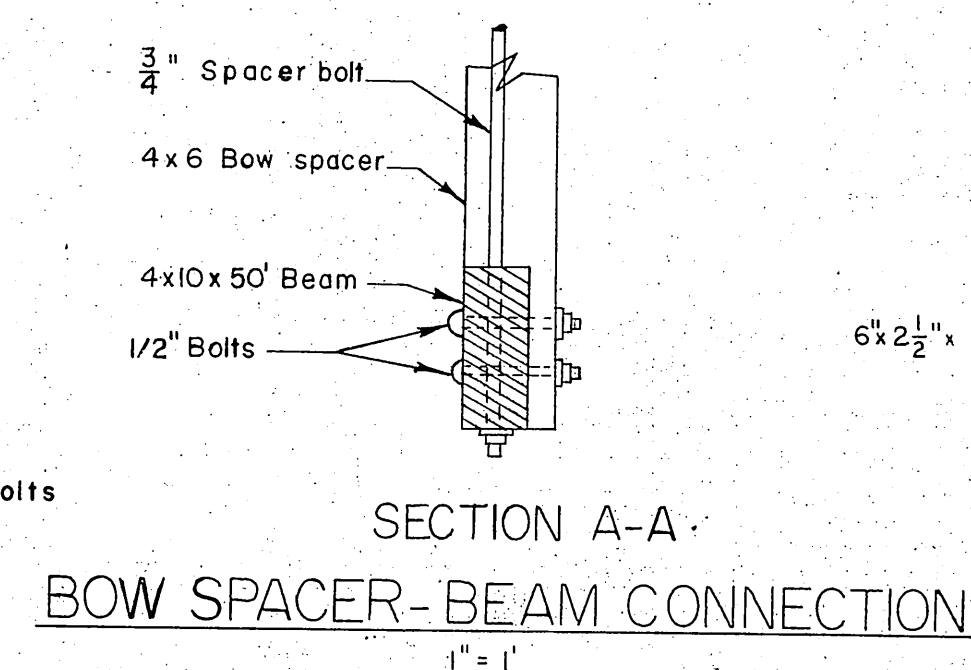
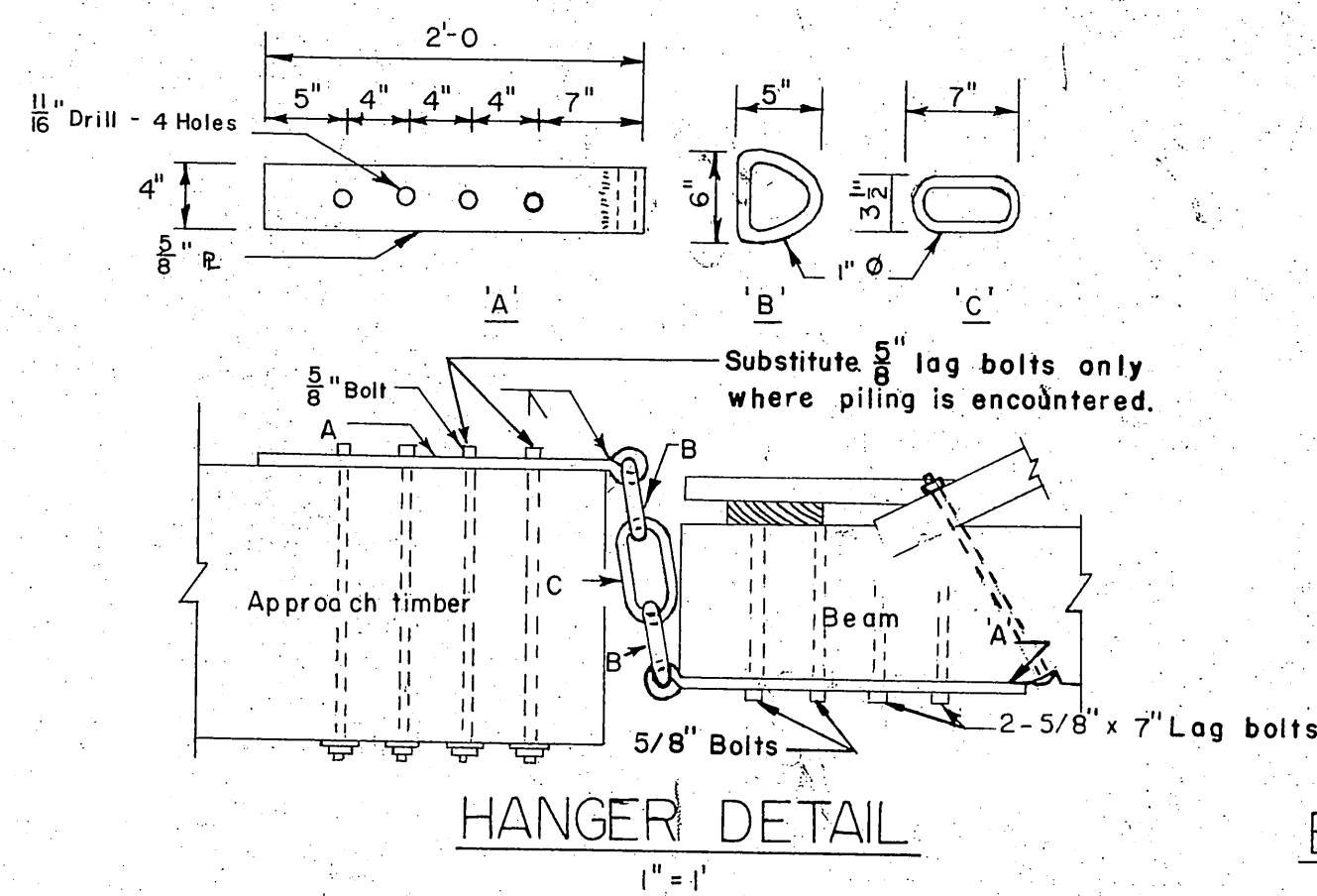
NOTES

All hardware to be galvanized with malleable iron washers between nut & wood surfaces. All bolts to be Economy Head type. Bolt holes to be drilled true size. Drift holes to be drilled 1/8" undersize. All drilled holes to be treated with hot creosote oil. All creosote treated lumber shall be cut to size prior to treatment.

NO.	DATE	REVISION	BY
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS			
PORT ALEXANDER APPROACH AND FLOATS Profile & Approach Const. Details			
SCALE As Shown	DATE Feb 1962	APPROVED E. A. Donahoe	COMMISSIONER
PROJ. NO. W6207	SURVEYED BY J. S. W. W. DRAWN BY J. S. W. W. CHECKED BY J. S. W. W.		



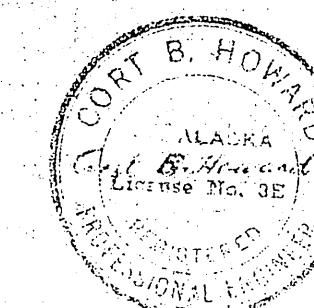
NOTE
Section A-A applies only to the 3 center Bow Spacers.
Remaining 4 Bow Spacers are flush with top of beam.
Bow Spacer heights are centerline measurement.



MATERIALS				
ITEM	GRADE	DRESSING	TREATMENT	MATERIALS
4x10 Beams	Select Struct.	Rough	Creo. 10# ret.	Douglas Fir or Western Hemlock
3x6 Bow	"	S4S	Wolman Salt .5#cf	"
4x6 "Spacer	Construction	"	"	"
2x10 Cross Member	"	Rough	"	"
4x8 Spreader	"	Rough	"	"
4x12 Decking	"	S1S2E	"	"
4x4 Cleats	"	"	"	"
2x3 Runners	"	Rough	"	"
2x4 Handrail	"	S4S	"	"
4x4 Posts	"	"	"	"
1x6 Girts	"	"	"	"

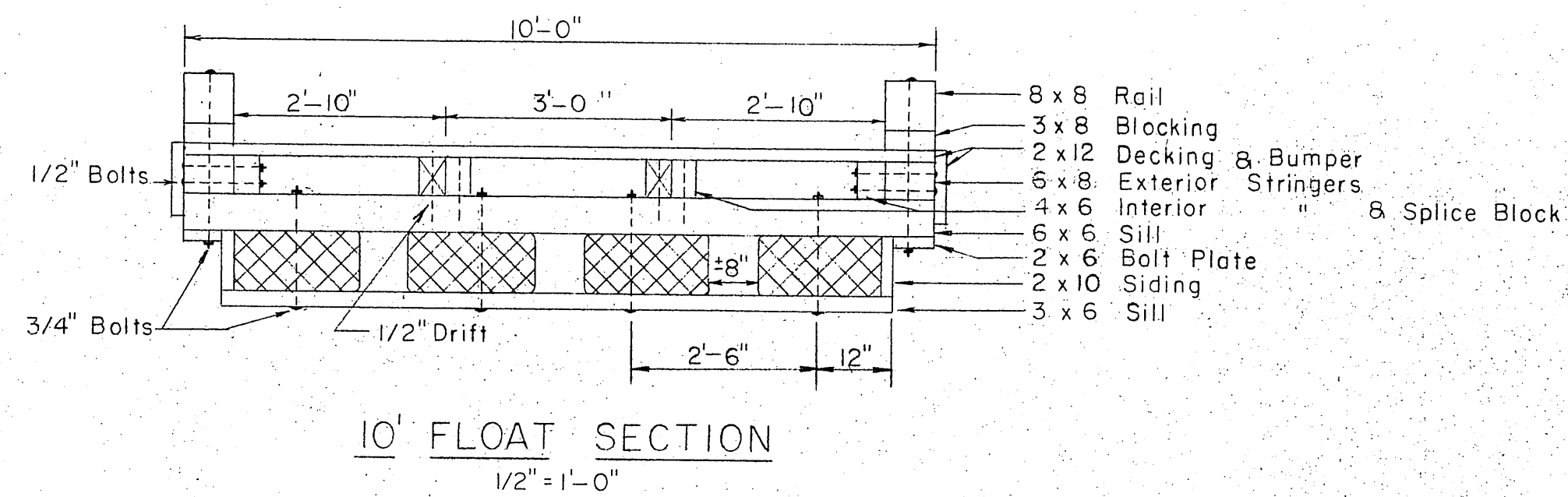
NOTES
All material shall be cut to size prior to treatment.
All hardware to be hot dipped galvanized.
All bolts to be of the mushroom headed type.
A malleable iron washer to be placed between nut & wood surfaces.
Lag bolts to be gimlet pointed.
All cuts & notches shall be treated with asphaltic roofing compound.

GANGWAY - FLOAT CONNECTION
1" = 1'

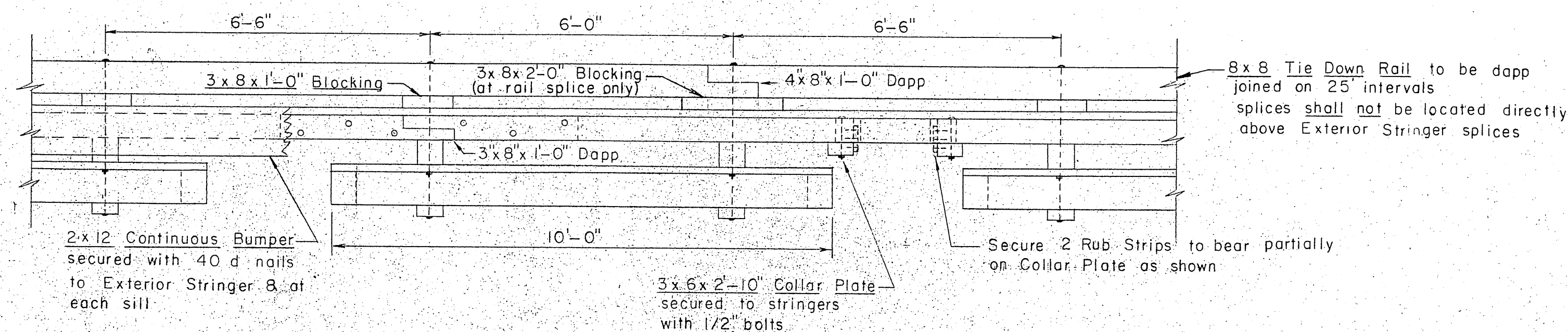


NO DATE	REVISION	BY
ALASKA DEPARTMENT OF PUBLIC WORKS		
DETAIL FLOAT GANGWAY		
SCALE As Shown	DATE July 21, 1960	APPROVED R.A. Downing
FILE NO.		COMMISSIONER
SURVEYED BY		CHECKED BY RPH

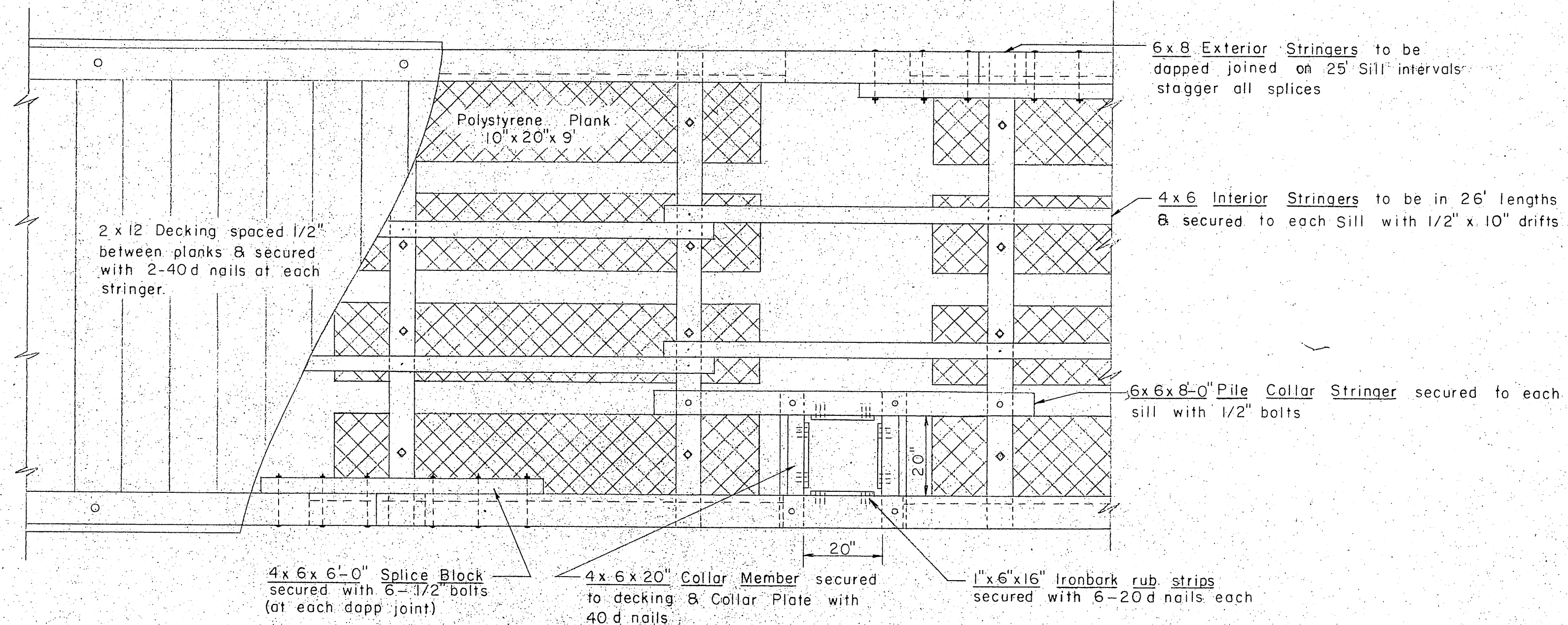
SHEET NO. of SHEETS



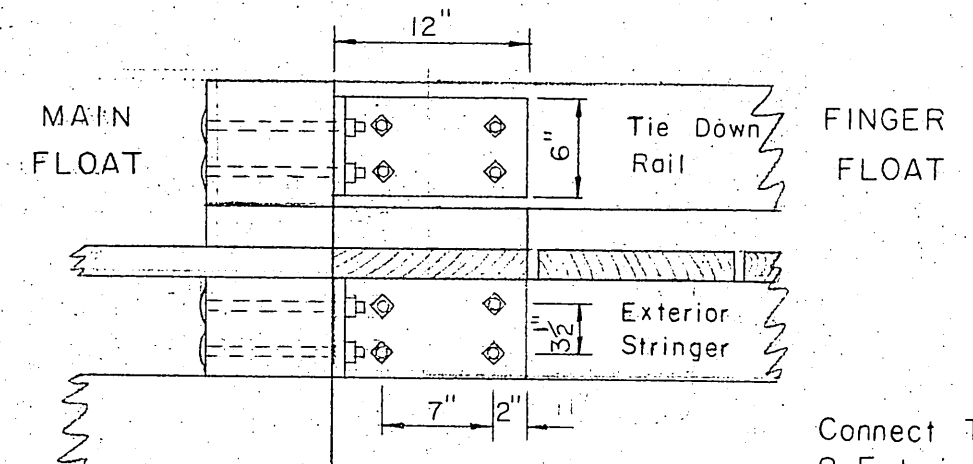
10' FLOAT SECTION
1/2" = 1'-0"



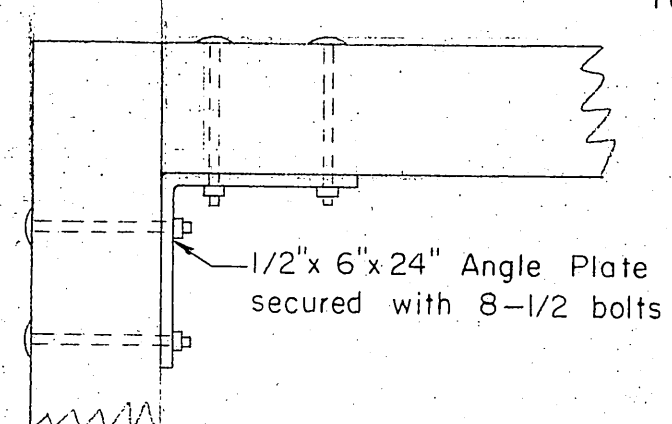
ELEVATION
1/2" = 1'-0"



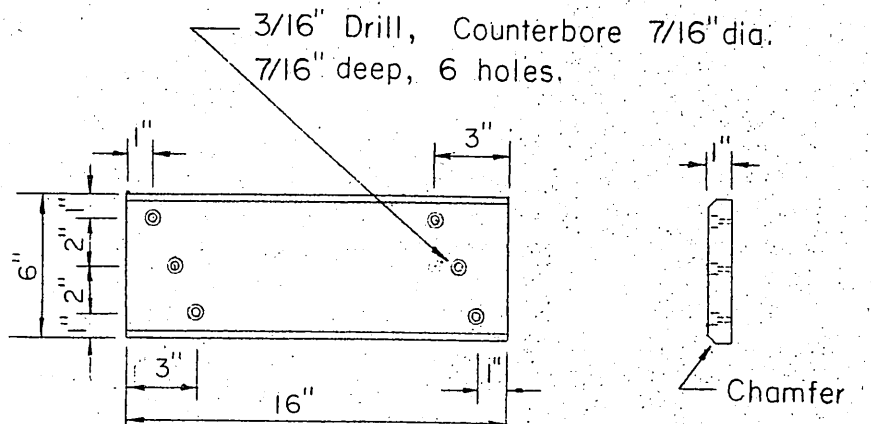
10' PLAN VIEW 10' FLOAT
1/2" = 1'-0"



Connect Tie Down Rails & Exterior Stringers with 1/2" x 6" x 24" Angle Plates as shown. 4 Plates required per connection.



CONNECTION DETAIL
1" = 1'-0"



IRONBARK RUB STRIP
1" = 1'-0"

MATERIALS				
ITEM	GRADE	DRESSING	CREOSOTE TREAT.	
3x6 Sill	Construction	Rough	12 Lbs. Ret.	
2x10 Siding	"	"	" " " "	
2x6 Bolt Plate	"	"	" " " "	
6x6 Sill	"	"	" " " "	
4x6 Interior Stringers	"	S2 E	" " " "	
6x8 Exterior "	"	S4 S	" " " "	
4x6 Splice Block	"	S2 E	" " " "	
2x10 End Plate	"	Rough	" " " "	
2x12 Bumper	Construction	S1 S	None	
2x12 Decking	"	"	" " " "	
3x8 Blocking	"	S4 S	" " " "	
8x8 Rail	"	"	" " " "	
DOUGLAS FIR OR WESTERN HEMLOCK				
SITKA SPRUCE				

All piling will be Class A, creosoted to 12" retention.
* May be resawn to standard dressed dimensions

NOTES

All hardware to be hot dip galvanized. A malleable iron washer shall be placed between all nut & wood surfaces. All bolts to be of the mushroom head type. Bolt holes to be drilled true size. Drift holes to be drilled 1/16" undersize. All drill holes shall be treated with hot creosote oil. All pressure treated creosote material shall be cut to size prior to treatment. Tie Down Rail & Blocking contact surfaces shall be treated with asphaltic roofing compound. An additional Polystyrene Plank shall be incorporated into each of the nearest 3' float sections wherever gangway rests on float. A 2x10 End Plate shall be securely nailed to float Siding members on all exposed float ends. Tie Down Rail shall be extended across all float ends. Floatation Plank bolt holes in all Sills & splice holes in all Exterior Stringers to be drilled prior to treatment. An additional half floatation plank (10' x 10' x 9') shall be added to the last floatation section on all float ends.

STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS		
TYPICAL FLOATS		
SCALE As Shown	DATE	APPROVED <i>R.A. Downing</i> COMMISSIONER
PROJ. NO.	SURVEYED BY	DRAWN BY <i>DS</i> CHECKED BY <i>DR</i>
SHEET 4 OF 4 SHEETS		