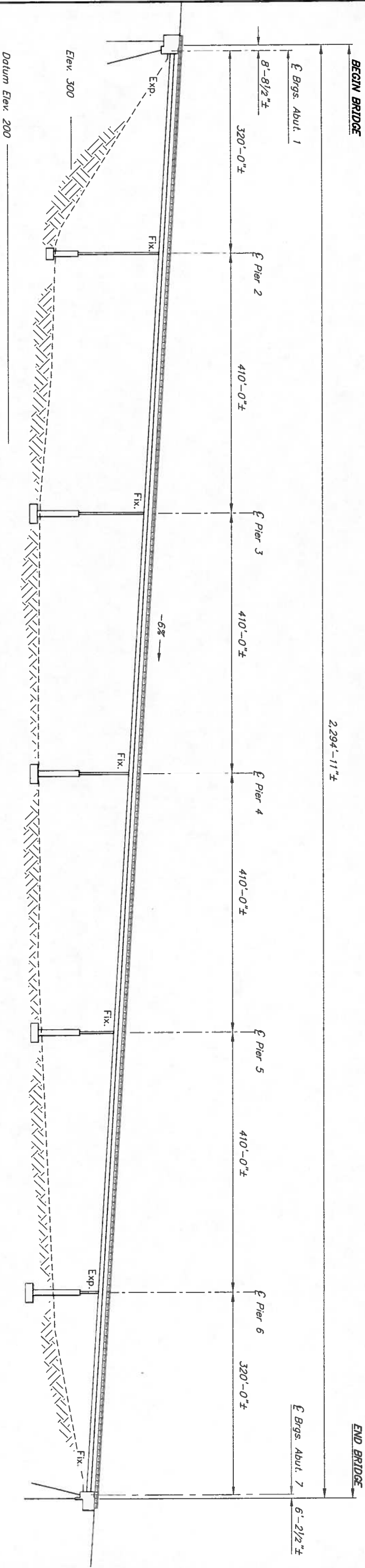
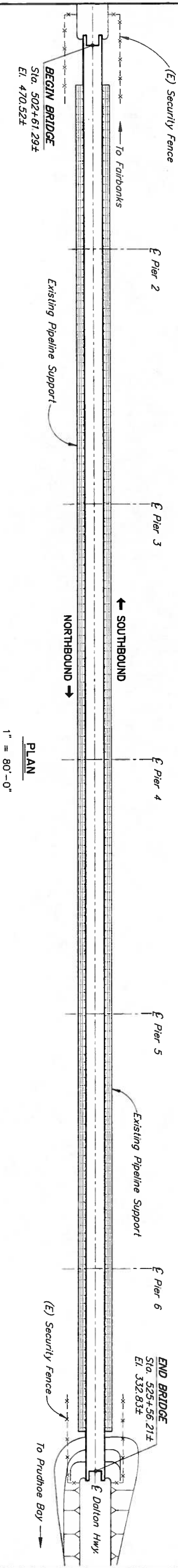




ELEVATION

1" = 80'-0"

YUKON RIVER



PRELIMINARY PLAN

BRIDGE DRAWING INDEX	
TITLE	DWG. NO.
GENERAL LAYOUT	1
TYPICAL SECTION	2
DECK DETAILS-1	3
DECK DETAILS-2	4
OPTION 1	5
OPTION 2	6
OPTION 3	7

DESIGNED BY: George Imbisen

CHECKED BY: George Imbisen

LAYOUT BY: George Imbisen

CHECKED: George Imbisen

CHECKED: George Imbisen

SPECIFICATIONS BY: G. Imbisen

P. S. & E. COMPARED: George Imbisen

QUANTITIES BY: George Imbisen

CHECKED: George Imbisen

APPROVAL RECOMMENDED BY: Richard Pratt

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION

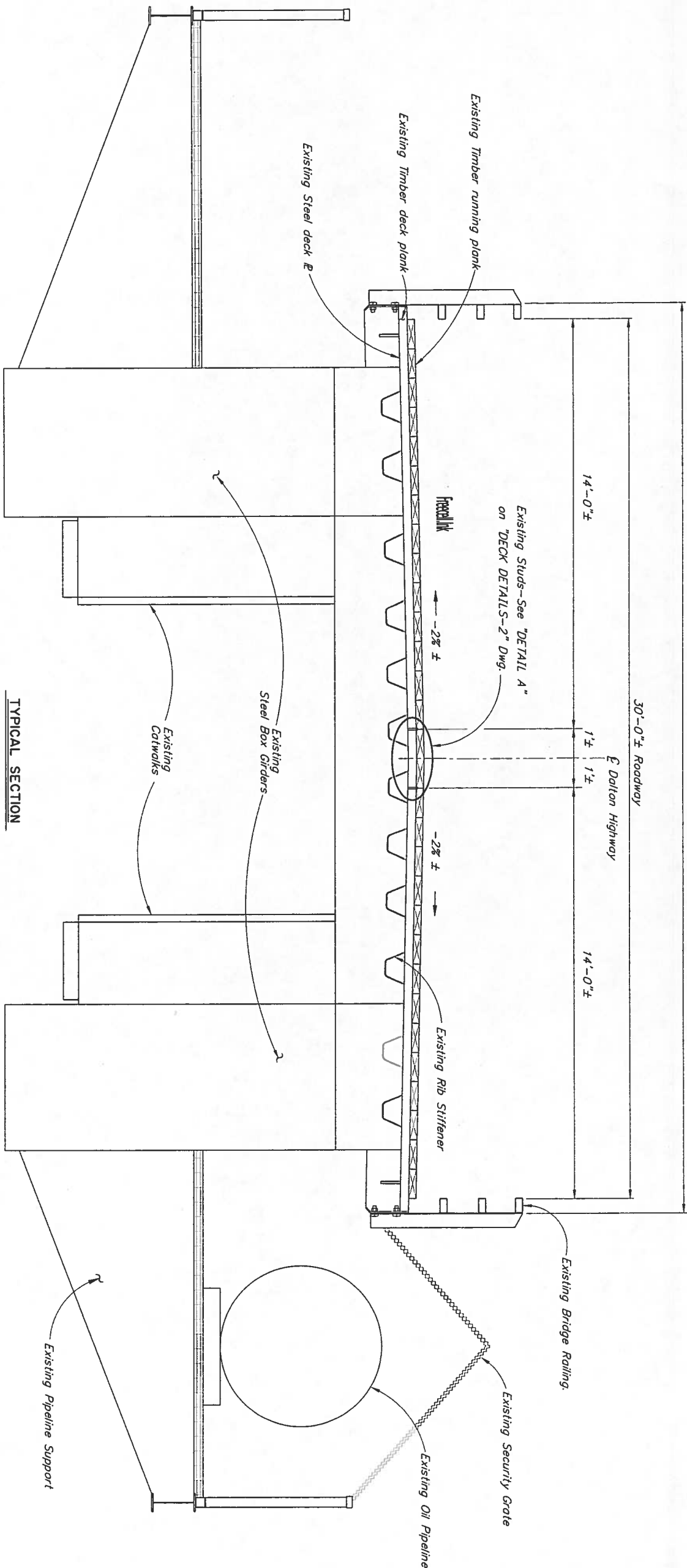
YUKON RIVER BRIDGE
DECK PRODUCT TESTING
GENERAL LAYOUT



BRIDGE NO. 271
DWG. NO. 1

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA		2011		

31'-0" ± 0-0 Deck



TYPICAL SECTION

12 6 0 1 2 3 4
Feet

NOTES:

1. Replacement of existing timber decking will be decided by a series of tests and performance criteria.
2. Evaluation requirements to be considered a viable product:
 - a. Preliminary laboratory screening: vender must submit three or more 18"x12" samples. These will be tested for traction resistance (dry, wet and ice conditions), surface coat durability, resistance to truck tire chain wear, and surface hardness.
 - b. Venders with products that meet the laboratory screening tests will be invited to manufacture a product for field test evaluation (one to two year test period). Successful products will be invited to bid on a deck surface replacement for this bridge structure.

DESIGNED BY: George Imison	CHECKED:
DRAWN BY: C. Anderson	CHECKED: George Imison
QUANTITIES BY: George Imison	CHECKED:

PRELIMINARY PLAN

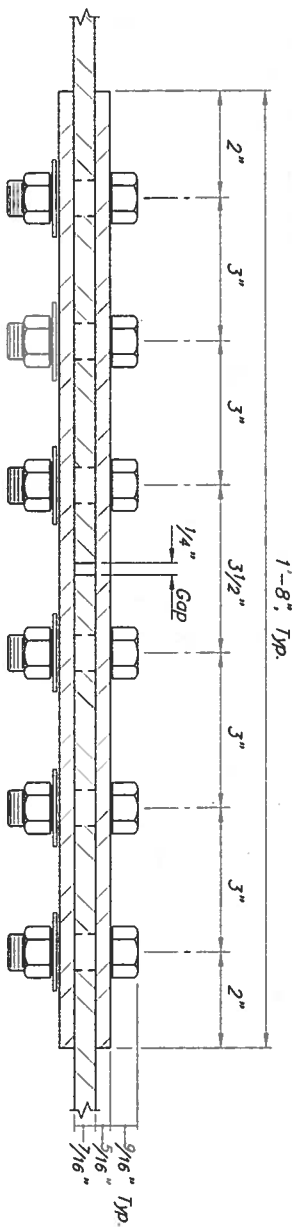
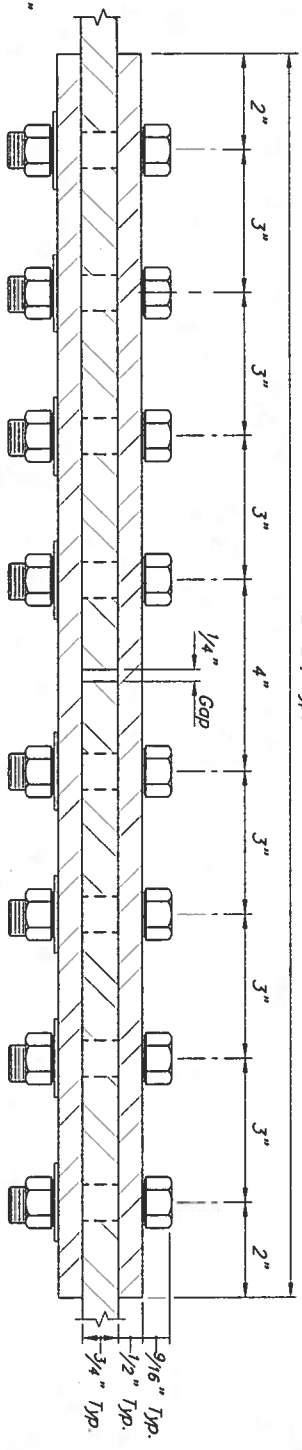
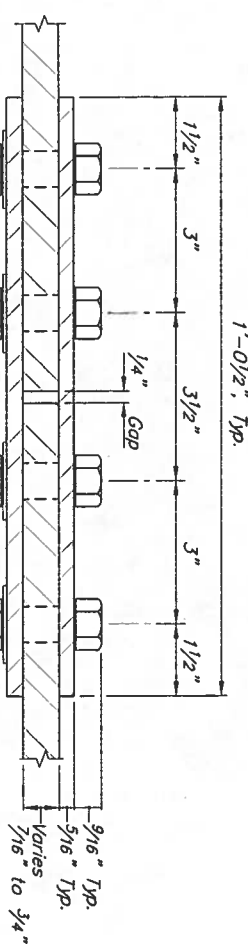
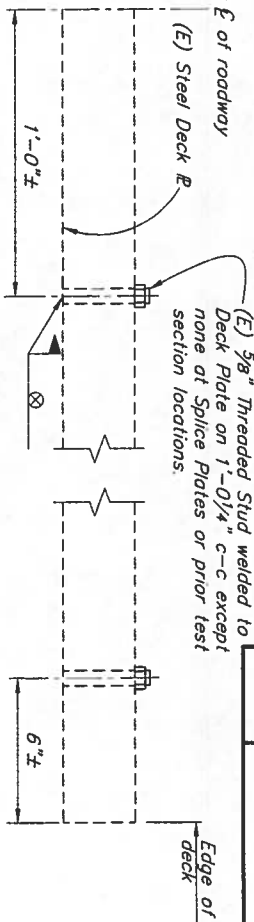
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION

YUKON RIVER BRIDGE
DECK PRODUCT TESTING
TYPICAL SECTION



BRIDGE NO. 271
DWG. NO. 2

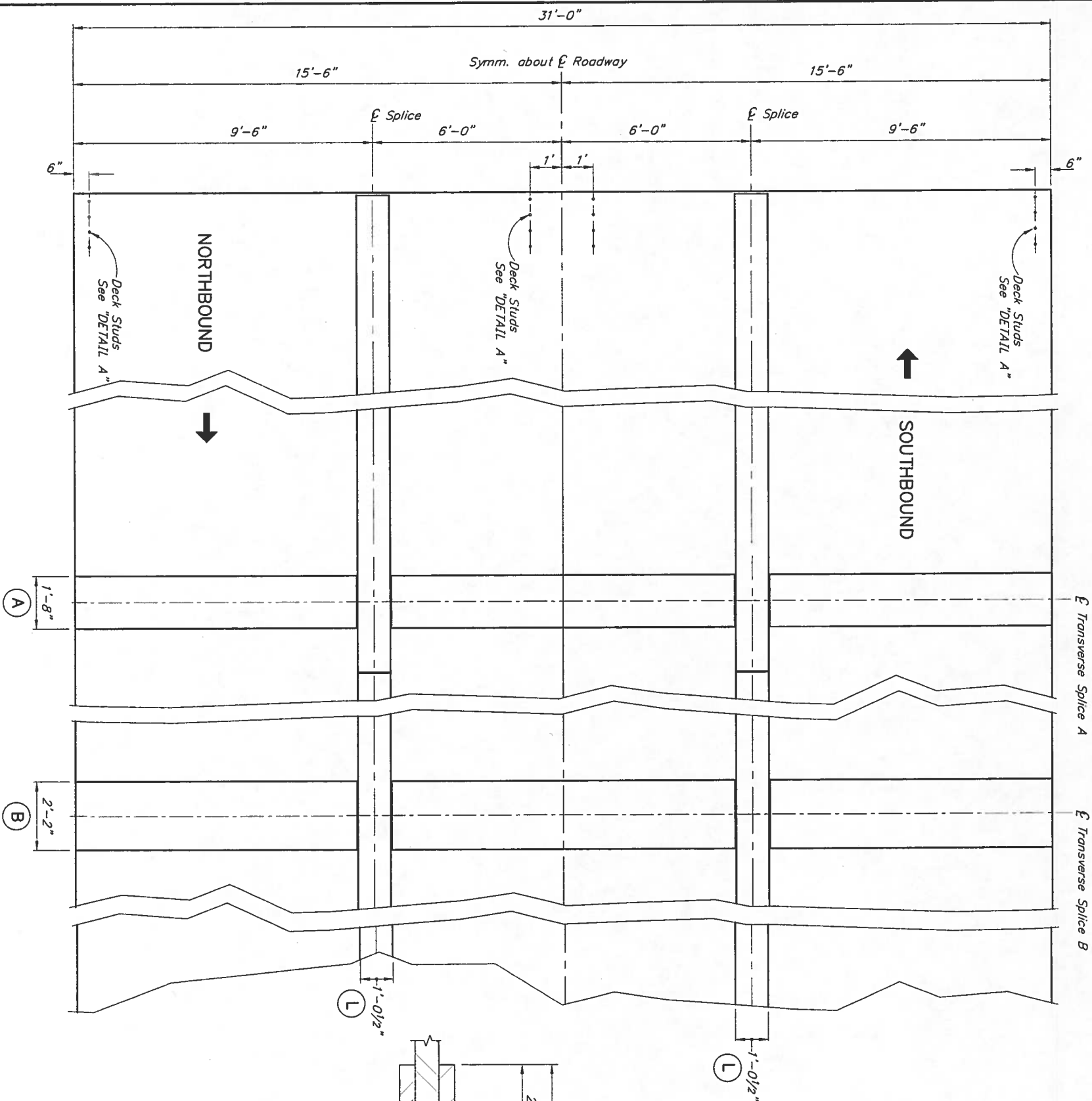
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA		2011		



- LEGEND
- (A) = Transverse Splice A
- (B) = Transverse Splice B
- (L) = Longitudinal Splice L

PLAN VIEW OF SPLICES

1/2 6 0 1 2 3 4 Feet



DESIGNED BY: George Imbison	CHECKED:
DRAWN BY: C. Anderson	CHECKED: George Imbison
QUANTITIES BY: George Imbison	CHECKED:

PRELIMINARY PLAN

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION

YUKON RIVER BRIDGE
DECK PRODUCT TESTING
DECK DETAILS-2

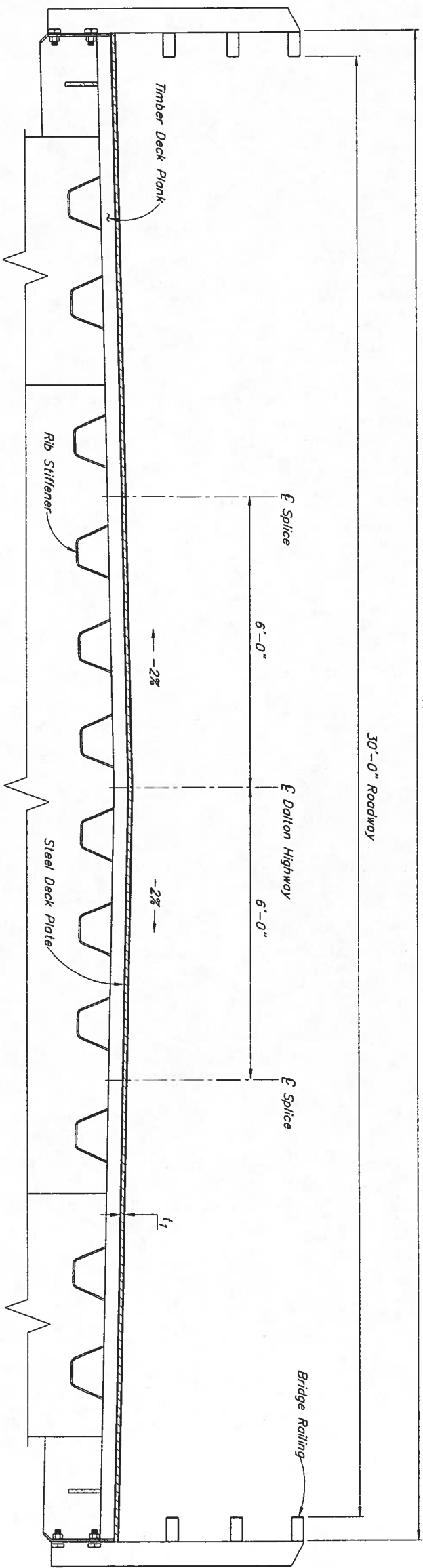


BRIDGE NO. 271
DWG. NO. 4

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA		2011		

31'-0" Out to Out of Deck

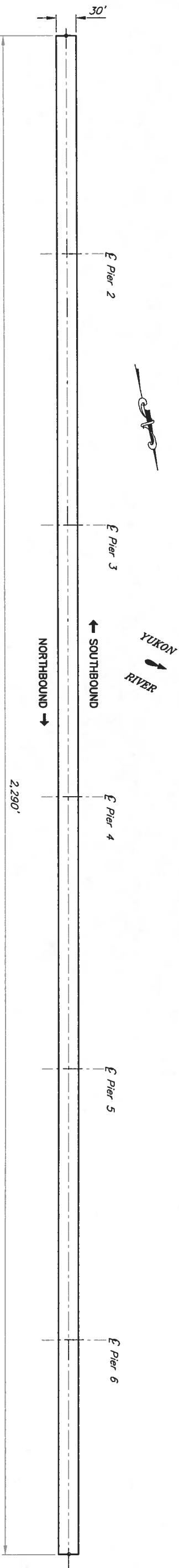
30'-0" Roadway



ELEVATION - OPTION 1



- NOTES:
1. The wearing surface thickness t_1 shall be between 1" and 2" and have a maximum weight of 15 psf.
 2. The desirable panel sizes are between 15'x4' to 15'x10', with 15'x8' being the most desirable.
 3. The wearing surface panel should have a stiffness no greater than 2" thick timber planks.



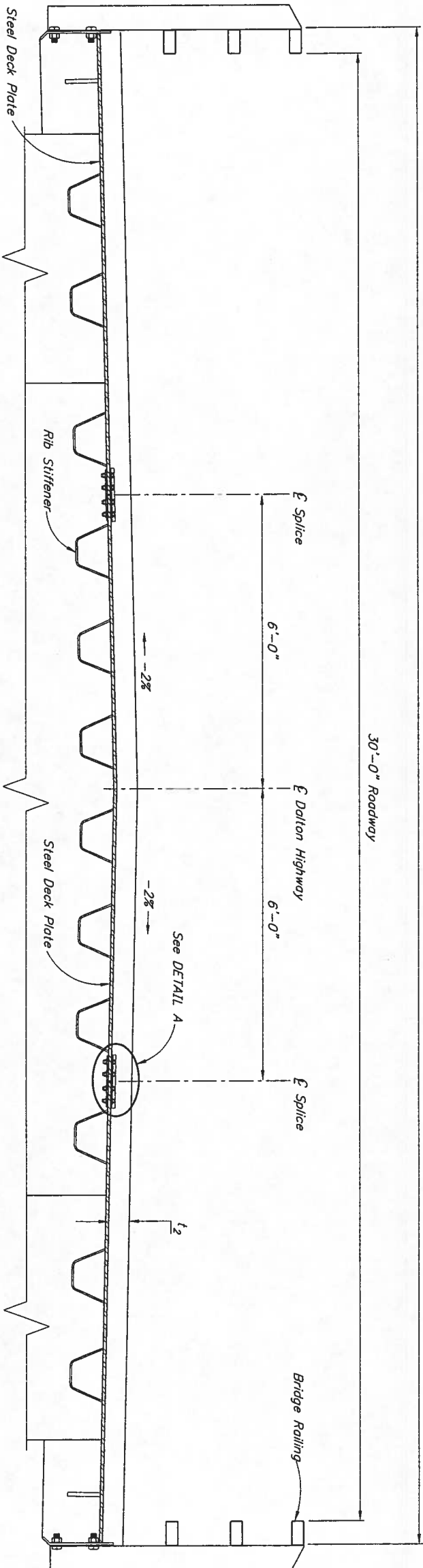
PLAN -OPTION 1

AREA = 68,700 SQ. FT.

DESIGNED BY: George Imbsen	CHECKED:	PRELIMINARY PLAN	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES BRIDGE SECTION	YUKON RIVER BRIDGE DECK PRODUCT TESTING OPTION 1	 BRIDGE NO. 27 DWG NO. 5
DRAWN BY: C. Anderson	CHECKED: George Imbsen				
QUANTITIES BY: George Imbsen	CHECKED:				

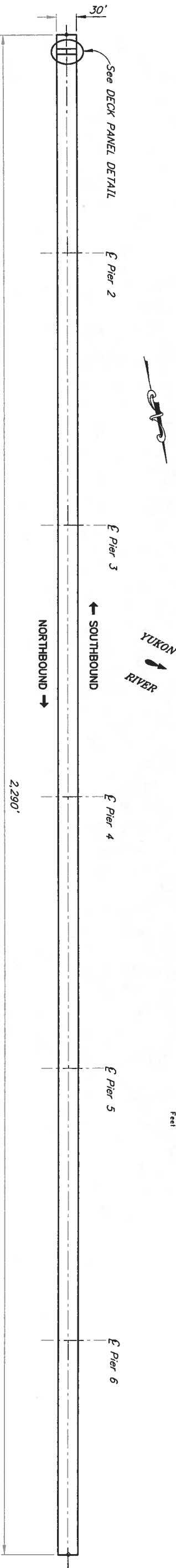
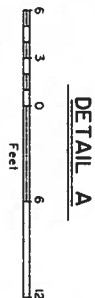
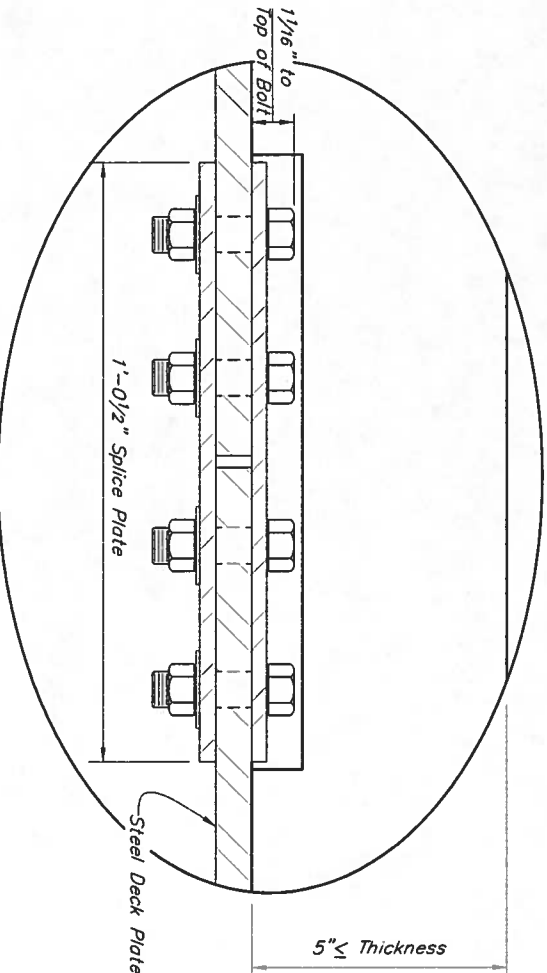
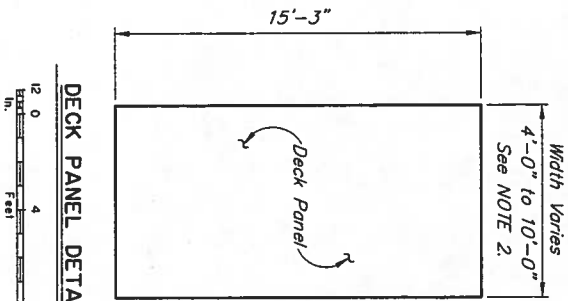
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA		2011		

31'-0" Out to Out of Deck



- NOTES:**
1. The total thickness t_2 shall not be greater than 5" and not weigh more than 30 psf.
 2. The desirable panel width is 8'-0". The 15'-3" dimension is required to attach the existing deck studs. See "DETAIL A," on "DECK DETAILS-2" Drawing.
 3. The wearing surface panel should have a stiffness no greater than 3 1/2" thick timber planks.
 4. The product shall be able to adhere to a traction coat that can be replaced by D.O.T. maintenance personnel.

ELEVATION - OPTION 2
SEGMENTAL WEARING SURFACE NOT BONDED TO DECK

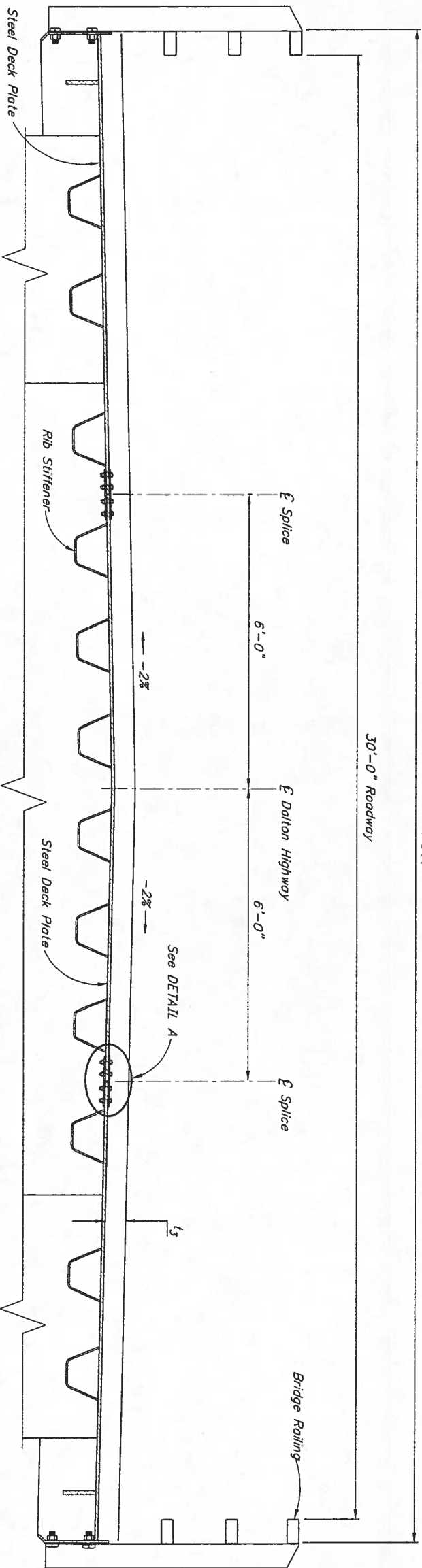


PLAN-OPTION 2
AREA = 68,700 SQ. FT.

DESIGNED BY: George Imbisen	CHECKED:	PRELIMINARY PLAN	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES BRIDGE SECTION	YUKON RIVER BRIDGE DECK PRODUCT TESTING OPTION 2	BRIDGE NO. 271 DWG. NO. 6
DRAWN BY: C. Anderson	CHECKED: George Imbisen				
QUANTITIES BY: George Imbisen	CHECKED:				

31'-0" Out to Out of Deck

30'-0" Roadway

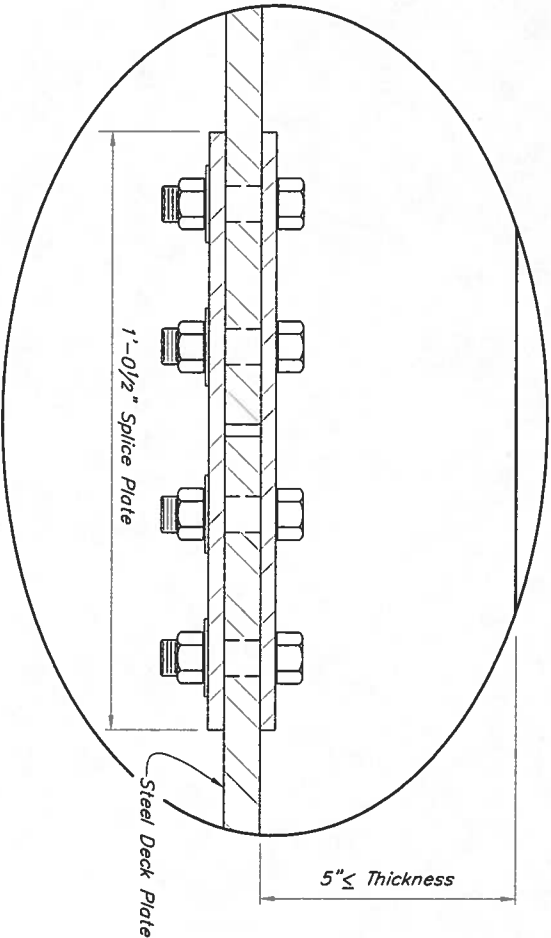


- NOTES:**
1. The total thickness t_s shall not be greater than 5" and not weigh more than 30 psf.
 2. The product should have a traction surface that can be maintained by D.O.T. maintenance personnel.

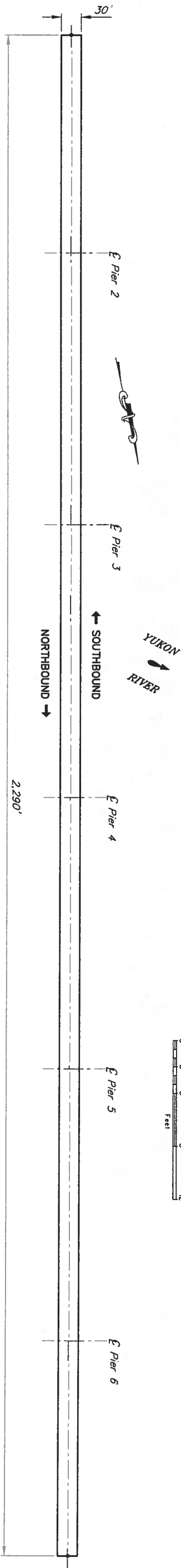
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA		2011		

ELEVATION - OPTION 3

BONDED CAST-IN-PLACE WEARING SURFACE



DETAIL A



PLAN - OPTION 3

AREA = 68,700 SQ. FT.

DESIGNED BY: George Imbsen

CHECKED:

DRAWN BY: C. Anderson

CHECKED: George Imbsen

QUANTITIES BY: George Imbsen

CHECKED:

PRELIMINARY PLAN

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION

YUKON RIVER BRIDGE
DECK PRODUCT TESTING
OPTION 3



BRIDGE NO. 271
DWG NO. 7