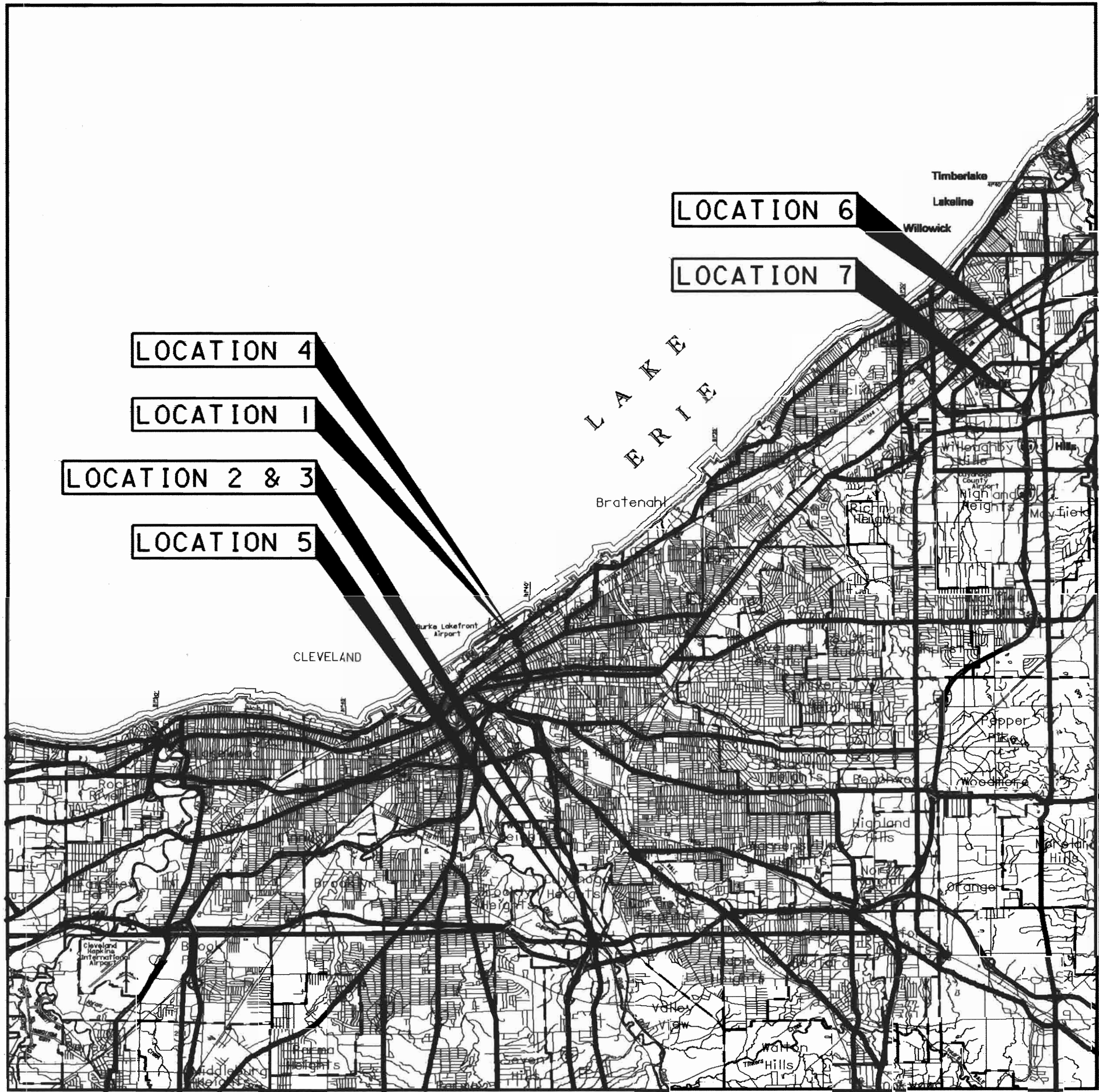


OHIO DEPARTMENT OF TRANSPORTATION

TIMBER AND METAL SUBDECK PLAN - 2001



LATITUDE: N41°30'55"

LONGITUDE: W81°40'25"

LOCATION	BRIDGE NO.	STRUCTURAL FILE NO.	CITY,VILLAGE, OR TOWNSHIP
1	CUY-90-1803	1808168	CLEVELAND
2	CUY-480-1842L	1812521	INDEPENDENCE
3	CUY-480-1842R	1812548	INDEPENDENCE
4	CUY-2-1739	1808222	CLEVELAND
5	CUY-21-1004L	1806386	CUYAHOGA HEIGHTS
6	LAK-90-0380	4303636	WILLOUGHBY HILLS
7	LAK-271-0145SW	4305523	WILLOUGHBY HILLS

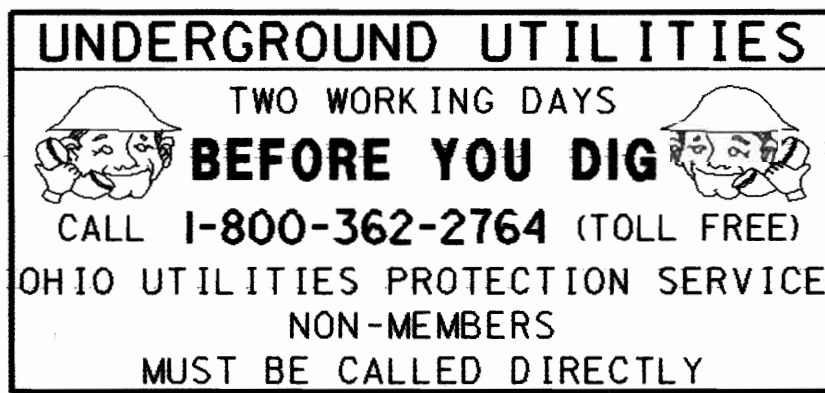
INDEX OF SHEETS:

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GENERAL NOTES	5
GENERAL SUMMARY	6
BRIDGE DATA	7
TIMBER SUBDECK DETAILS	
AND FRAMING PLANS	8-11
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MAINTENANCE OF TRAFFIC	14-16

1997 SPECIFICATIONS

The standard specifications of the State of Ohio, Department of Transportation, including changes and supplemental specifications listed in the proposal shall govern this improvement.

I hereby approve these plans and declare that the making of this improvement will not require the closing to traffic of the highway and that provisions for the maintenance and safety will be as set forth on plans and estimates.



PLAN PREPARED BY:

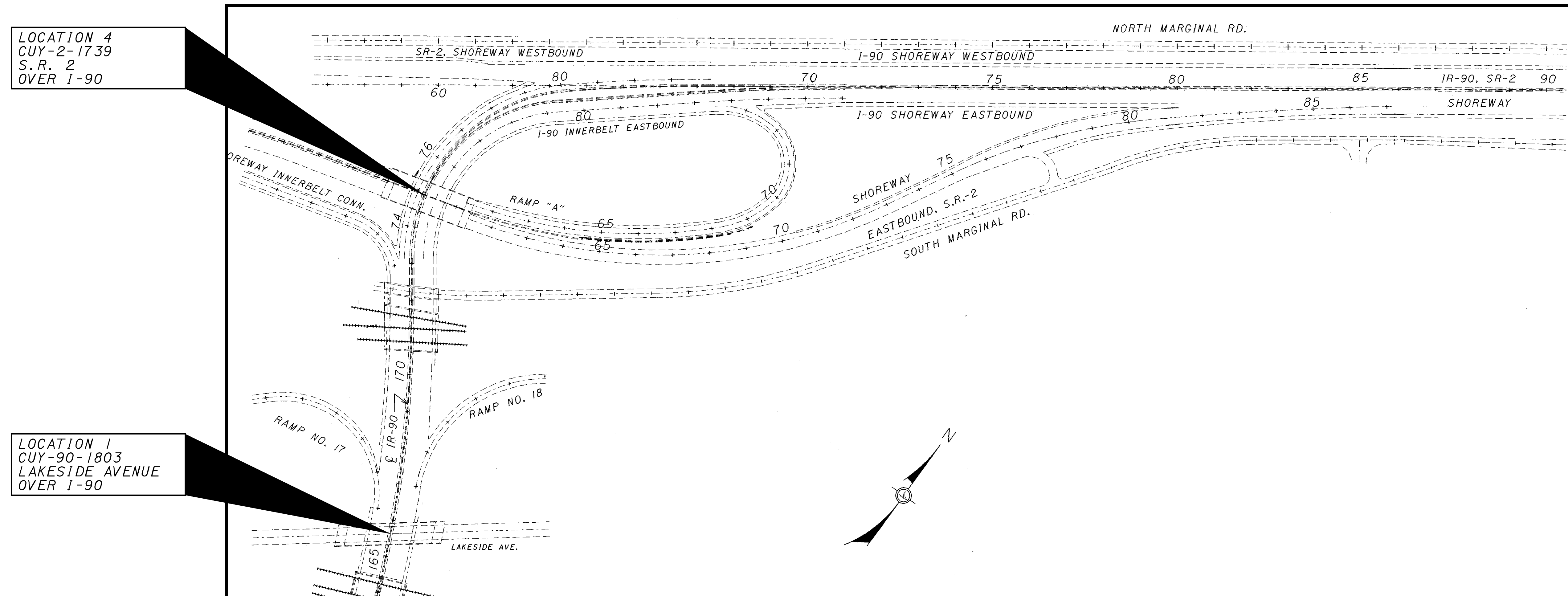
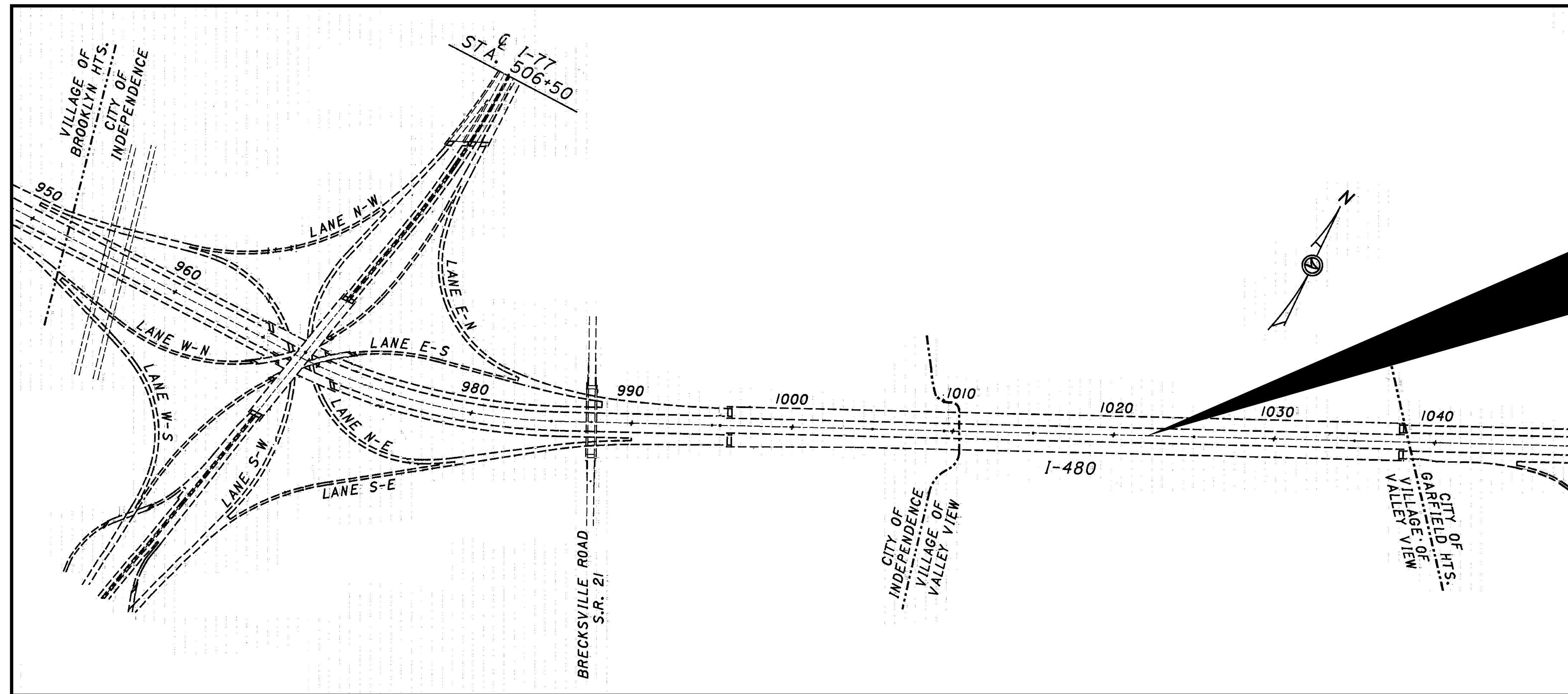
ODOT - DISTRICT TWELVE
PRODUCTION DEPARTMENT
5500 TRANSPORTATION BLVD.
GARFIELD HEIGHTS, OHIO 44125

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	P.E. STAMP
MT-35.10	4/20/01	TC-41.10	3/31/94		
MT-95.30M	4/25/94	TC-41.20	7/1/94		
MT-97.10	4/25/94	TC-52.10	7/29/94		
MT-98.13M	6/24/93	TC-52.20	7/29/94		
MT-98.14M	6/24/93				
MT-98.15M	6/24/93				
MT-98.16M	6/24/93				
MT-105.10M	4/25/94				SPECIAL PROVISIONS
MT-105.11M	4/25/94				

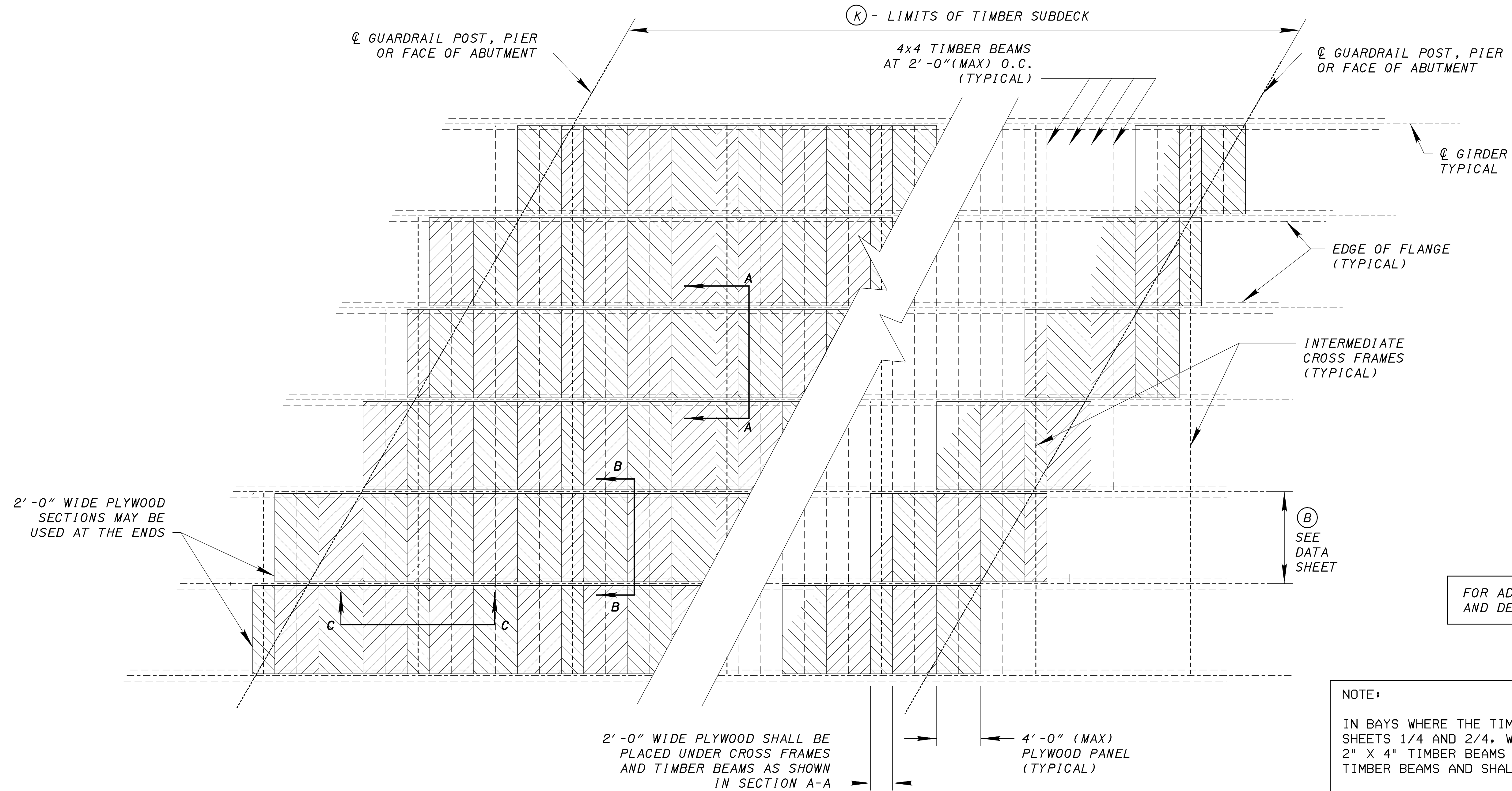
Approved _____
Date 2/1/01 District Deputy Director of
Transportation

Approved _____
Date _____ Director, Department of
Transportation

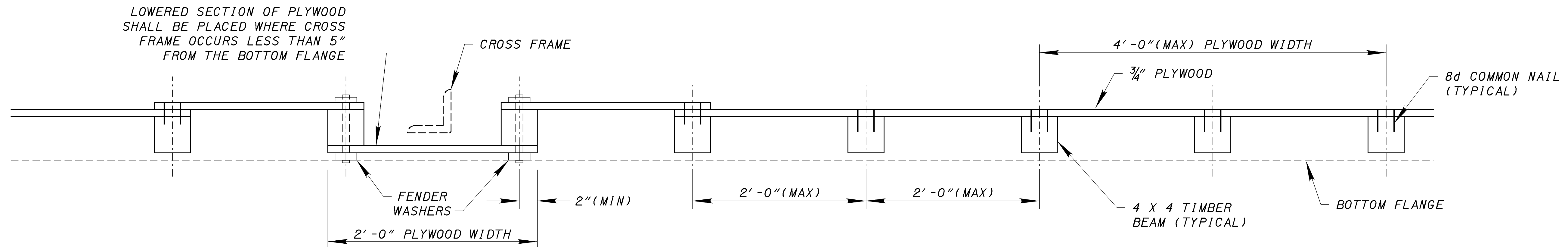
FEDERAL PROJECT NO.	100% STATE
PID NO.	22739
CONSTRUCTION PROJECT NO.	
RAILROAD INVOLVEMENT	NONE
CUY-90-18.03/ VAR	
1/16	



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TYPICAL PLAN VIEW



SECTION C-C

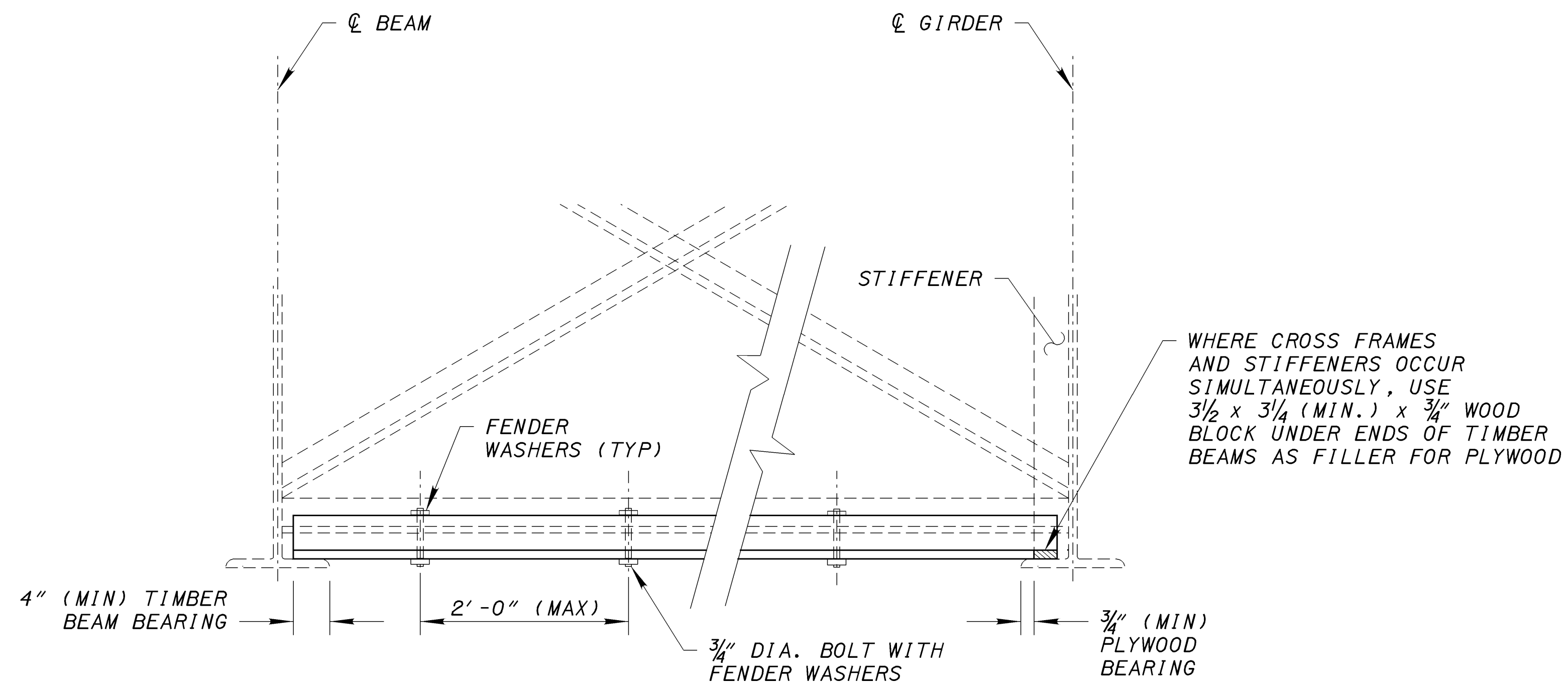
TIMBER SUBDECK
MISCELLANEOUS DETAILS

CUY-90-18.03/VAR

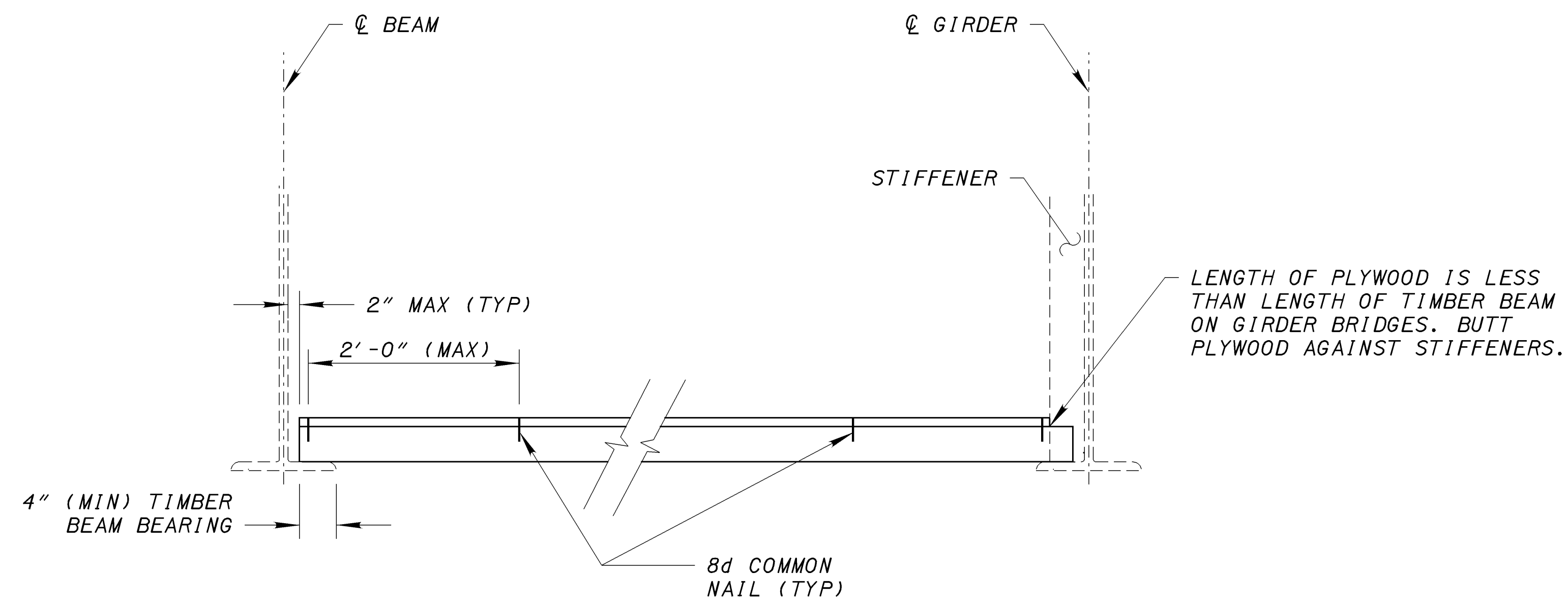
1 / 4

8 / 16

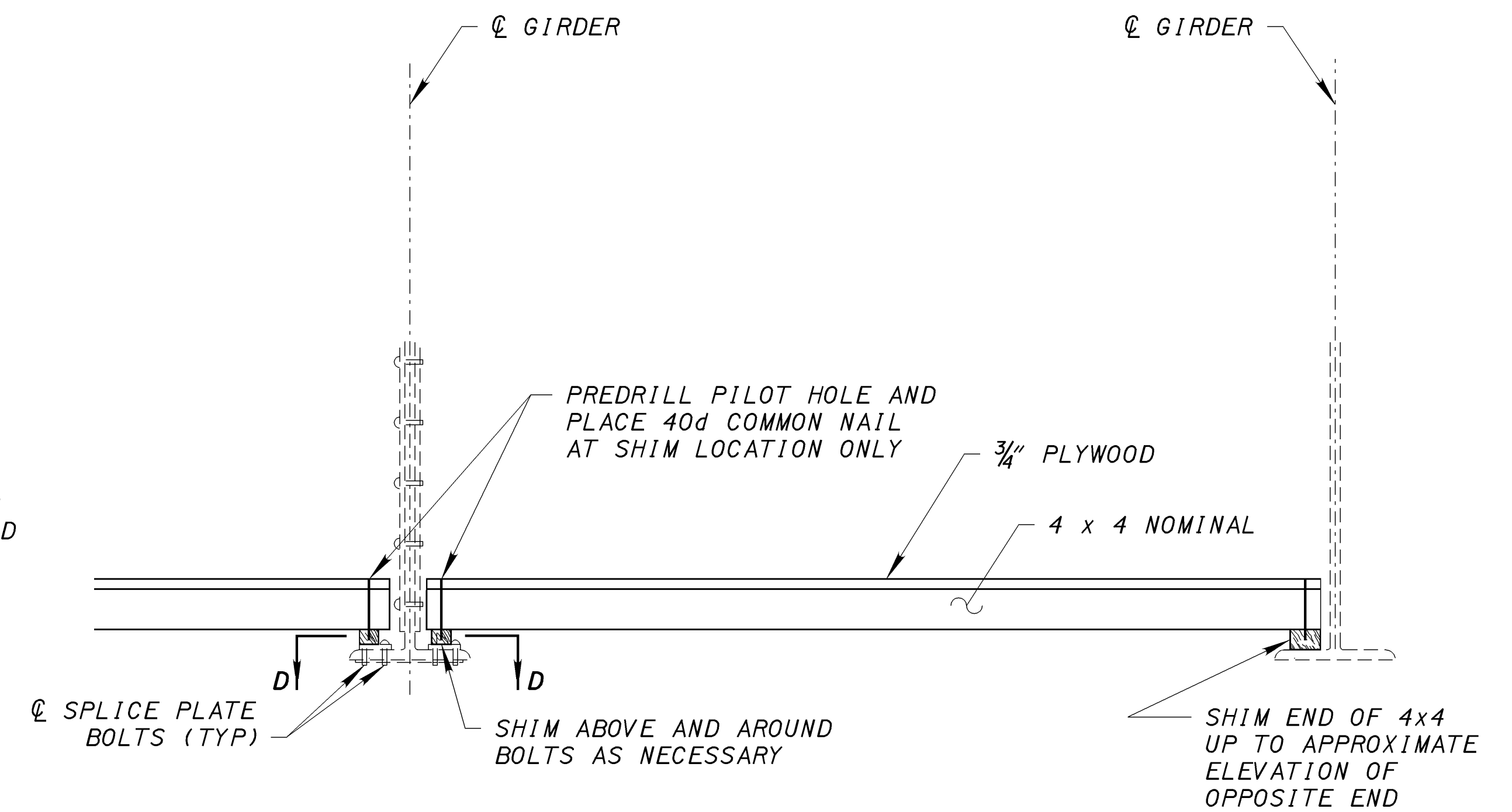
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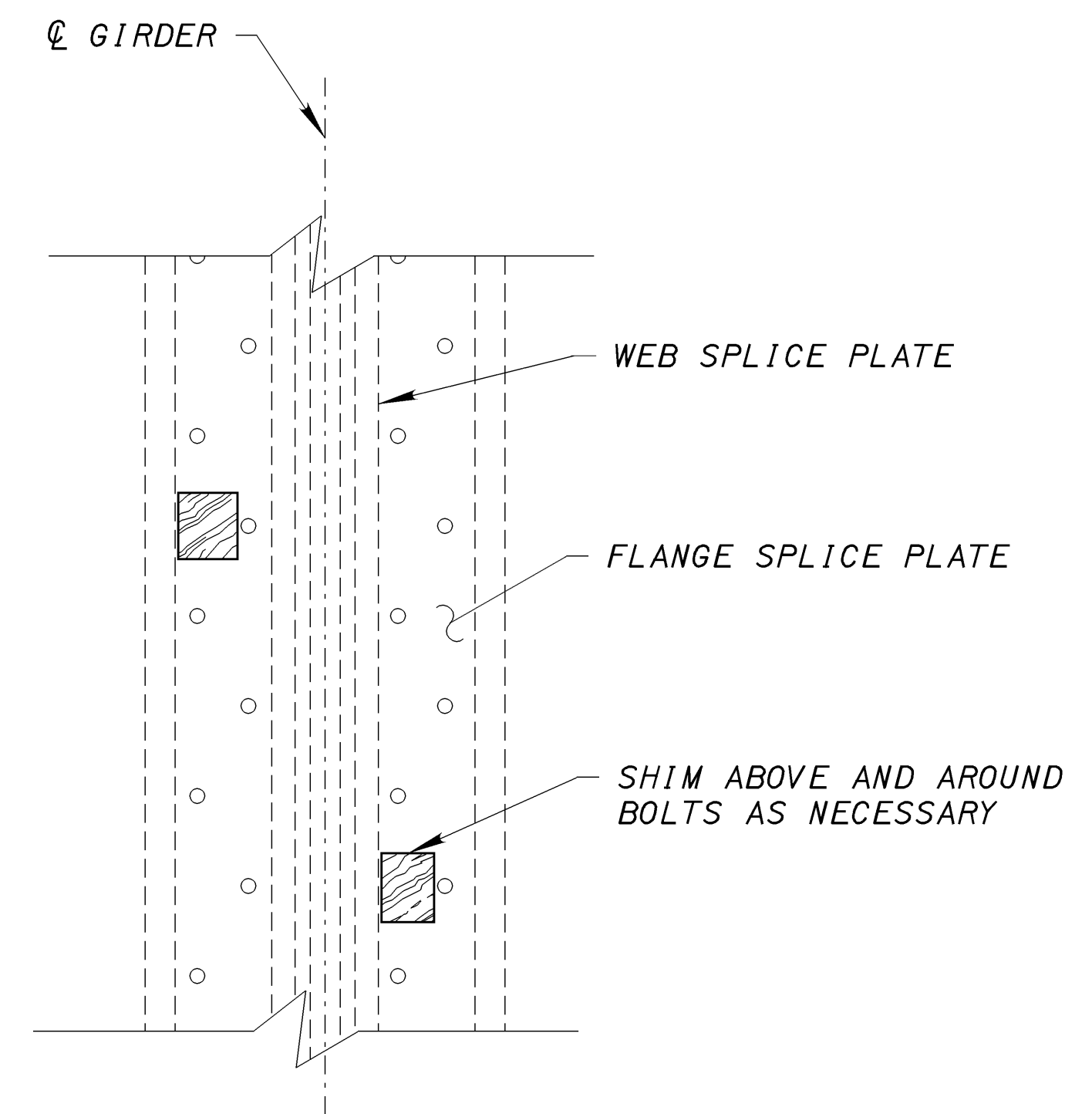
SECTION A-A



SECTION B-B

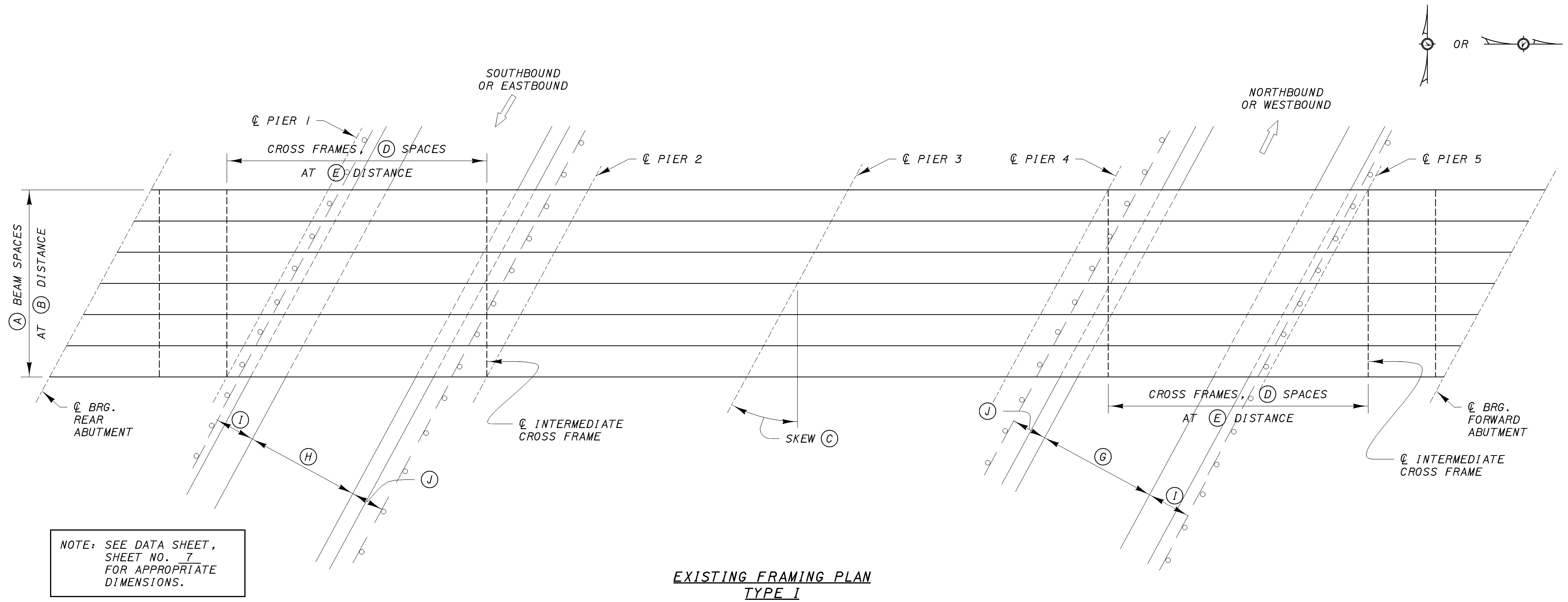


TRANSVERSE SECTION

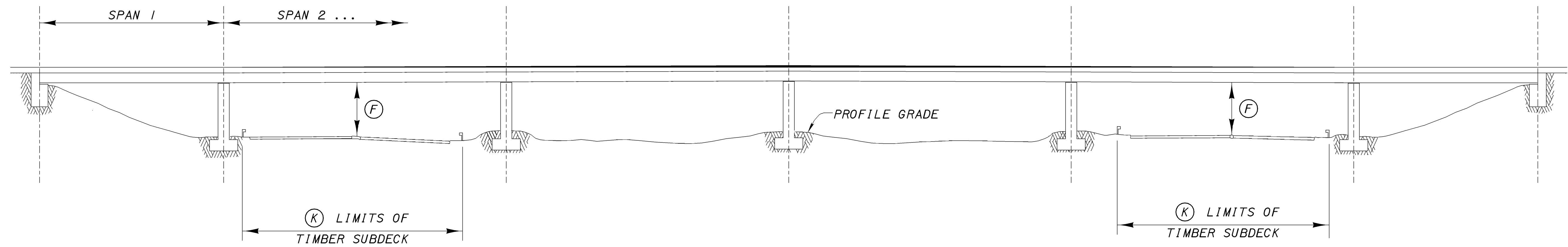


SECTION D-D

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EXISTING FRAMING PLAN
TYPE I



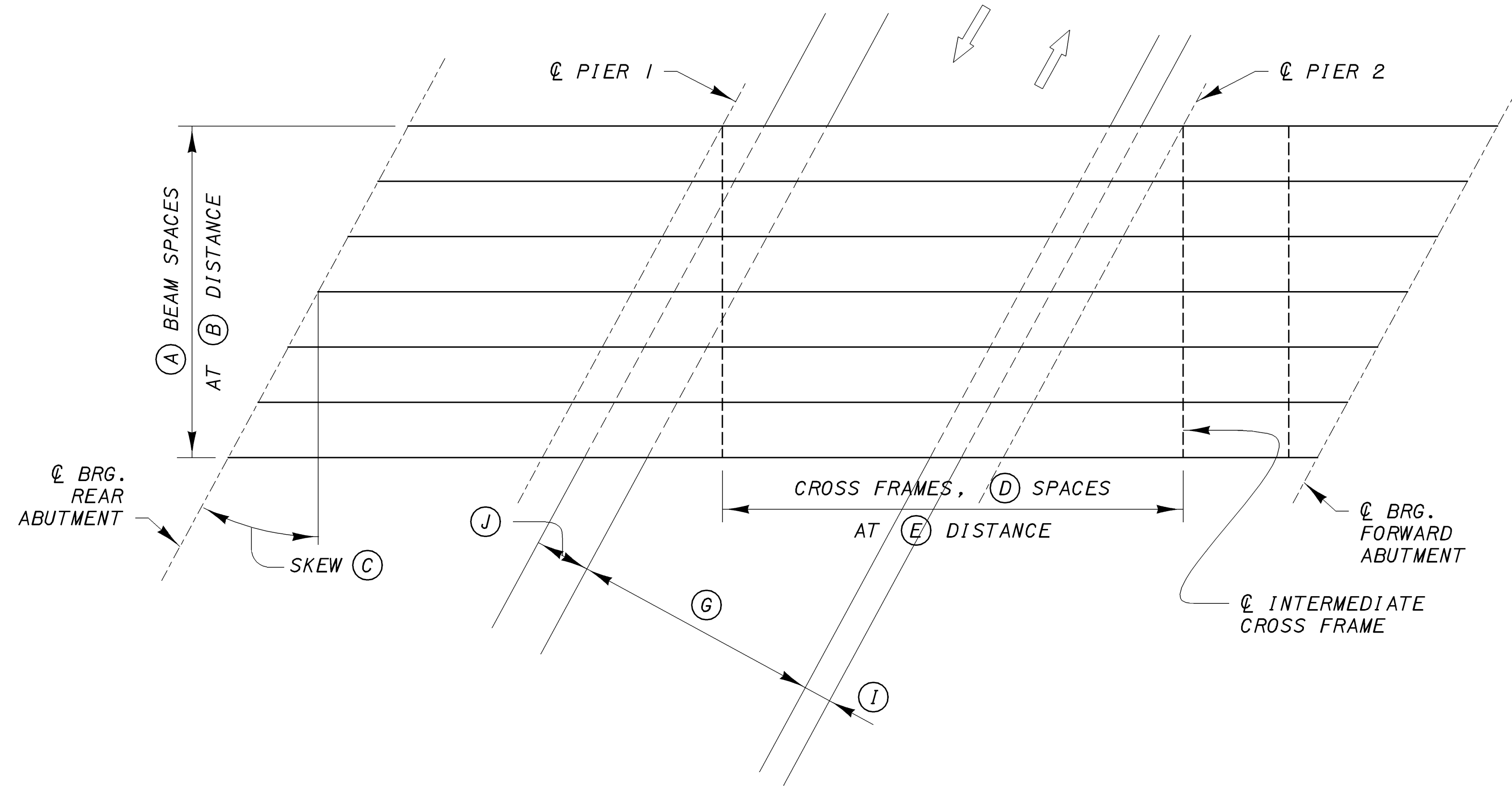
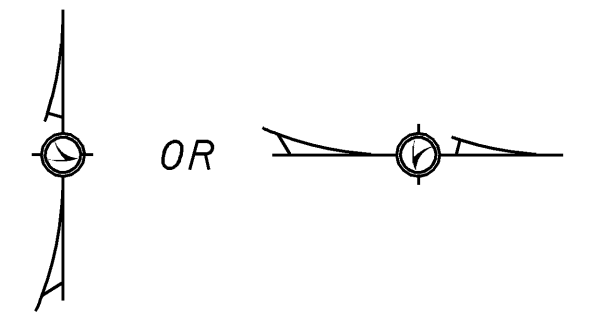
EXISTING ELEVATION
TYPE I

TIMBER SUBDECK
TYPE I FRAMING PLAN

CUY-90-18.03/VAR

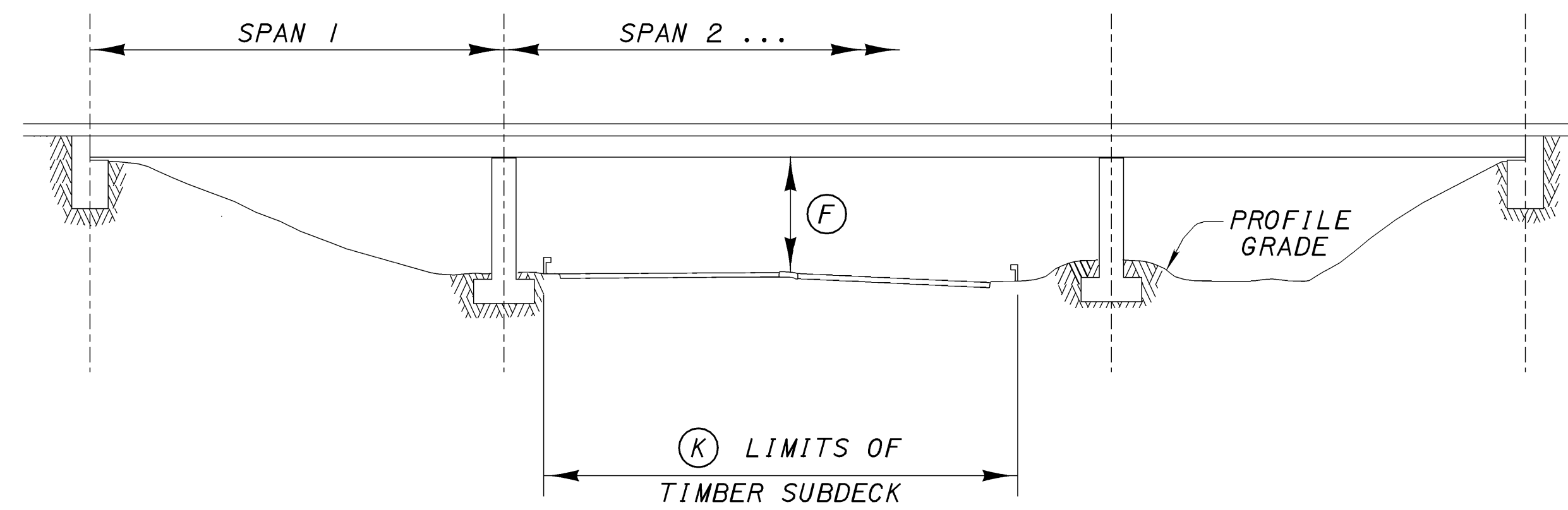
3 / 4

10
16



NOTE: SEE DATA SHEET,
SHEET NO. 7
FOR APPROPRIATE
DIMENSIONS.

EXISTING FRAMING PLAN
TYPE II



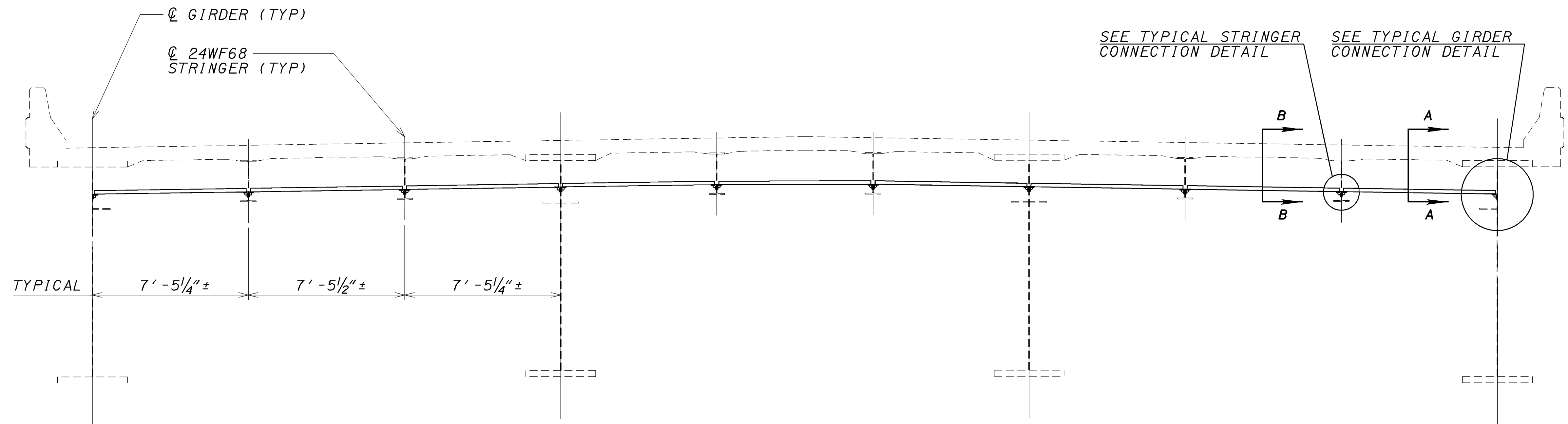
EXISTING ELEVATION
TYPE II

TIMBER SUBDECK
TYPE II FRAMING PLAN

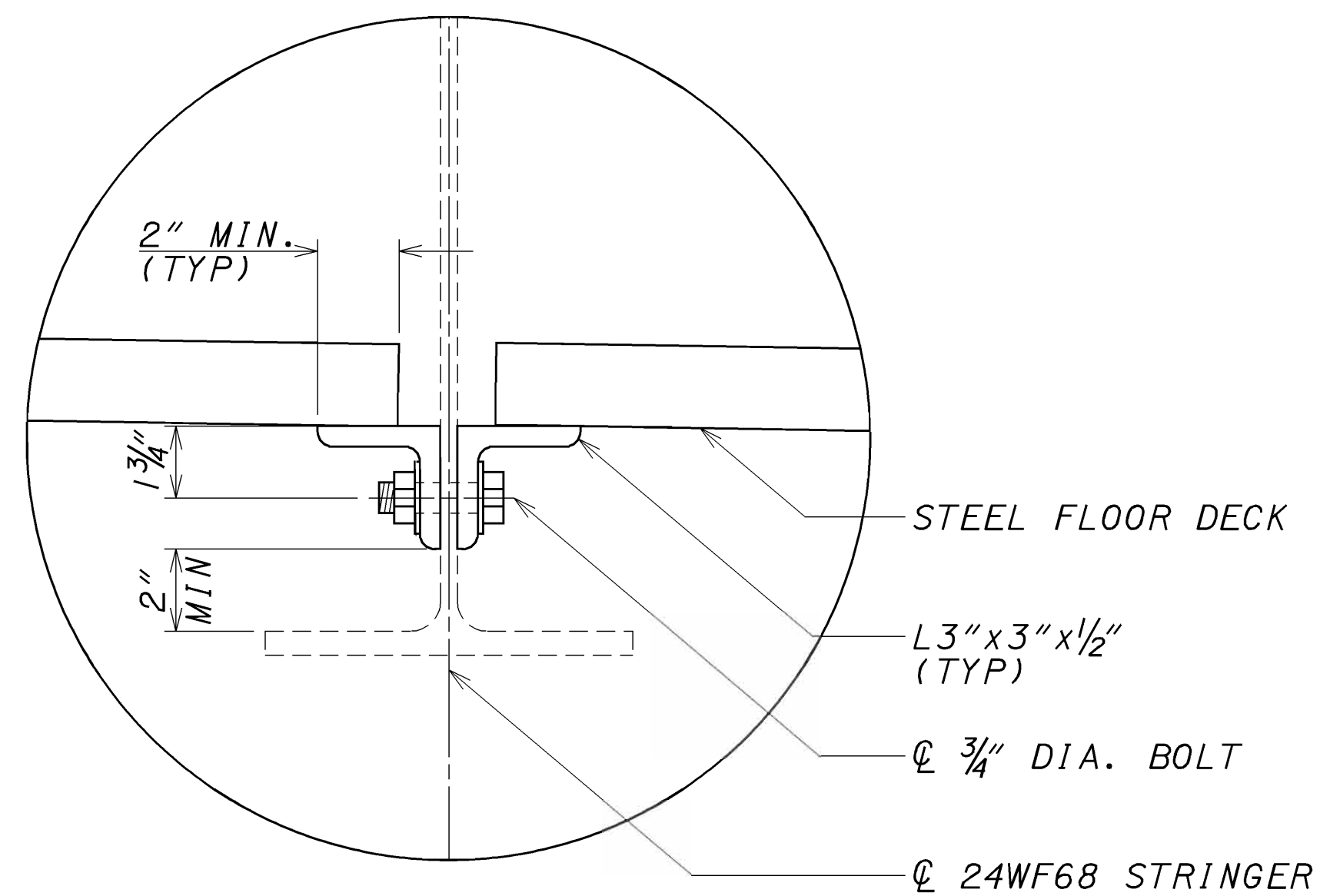
CUY-90-18.03/VAR

4 / 4

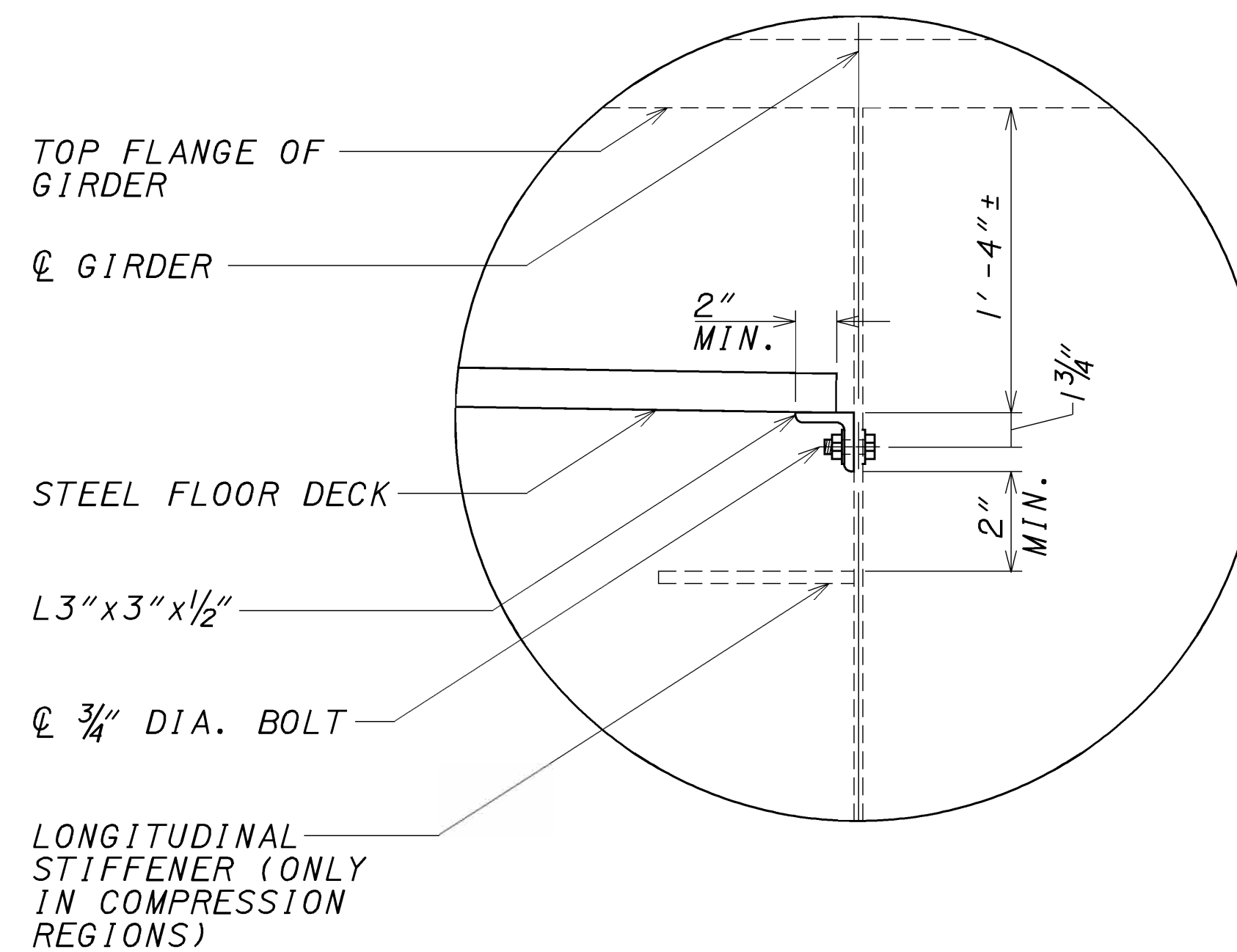
11
16



CUY-480-1842L TRANSVERSE SECTION
 CUY-480-1842R SIMILAR
 (LATERAL BRACING NOT SHOWN)



TYPICAL STRINGER CONNECTION DETAIL



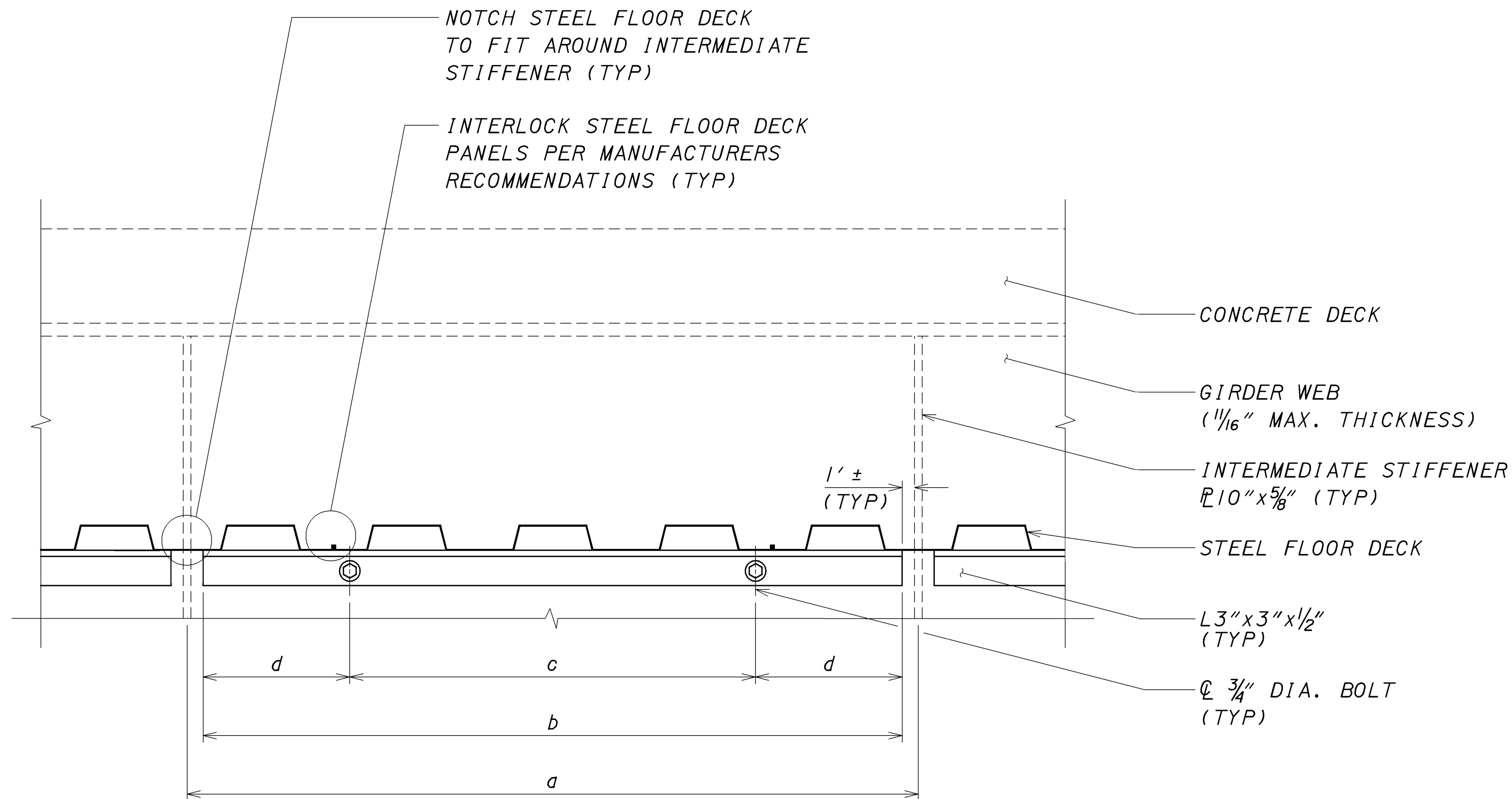
TYPICAL GIRDER CONNECTION DETAIL

NOTE:

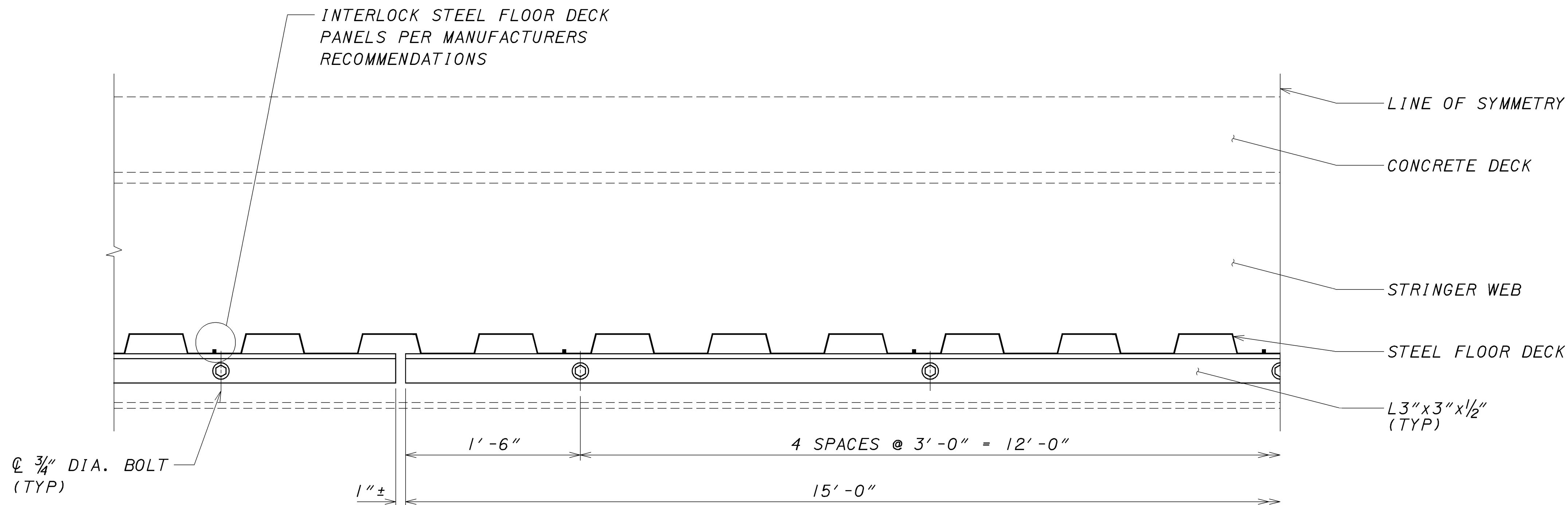
SEE SHEET 13 FOR SECTION A-A & B-B

ALL HEADS OF BOLTS AND WASHERS ON THE OUTER FACE OF THE FASCIA GIRDER SHALL BE FIELD PAINTED TO MATCH THE EXISTING STEEL COLOR (FEDERAL COLOR NUMBER 595a-11136, GLOSS). THIS PAINTING SHALL BE IN ACCORDANCE WITH SUPPLEMENTAL SPECIFICATION 816 - FIELD PAINTING OF NEW STEEL, SYSTEM IZEU AND SHALL BE INCLUDED FOR PAYMENT IN ITEM SPECIAL - STRUCTURE, MISC.: METAL SUBDECK.

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SECTION A-A



SECTION B-B

STIFFENER * SPACING "a"	NUMBER OF ANGLES * OF LENGTH "b"		"b"	"c"	"d"
	LEFT BRIDGE	RIGHT BRIDGE			
12' - 6"	16	12	12' - 3"	6' - 11"	2' - 8"
8' - 4"	162	126	8' - 1"	4' - 7"	1' - 9"
6' - 3"	144	120	6' - 0"	3' - 4"	1' - 4"
5' - 0"	70	60	4' - 9"	2' - 7"	1' - 1"
4' - 2"	48	36	3' - 11"	2' - 3"	0' - 10"

* CONTRACTOR SHALL FIELD VERIFY STIFFENER SPACING AND QUANTITY OF ANGLES REQUIRED PRIOR TO ORDERING THE ANGLES. IF THE CONTRACTOR ENCOUNTERS STIFFENER SPACING DIFFERENT THAN THAT LISTED ABOVE, THE CONTRACTOR SHALL DETERMINE THE DIMENSIONS OF THE ANGLES BASED ON THE FOLLOWING CRITERIA:

- ONLY ONE ANGLE SHALL BE PLACED BETWEEN TRANSVERSE STIFFENERS.
- CLEARANCE BETWEEN TRANSVERSE STIFFENER AND EDGE OF ANGLE SHALL BE 1".
- DIMENSION "c" SHALL BE APPROXIMATELY 56% OF THE LENGTH OF THE ANGLE.
- DIMENSION "d" SHALL BE APPROXIMATELY 22% OF THE LENGTH OF THE ANGLE.

NOTE:

- SEE SHEET 12 FOR SECTION A-A & B-B LOCATIONS.
- EACH INDIVIDUAL STEEL FLOOR DECK PANEL SHALL BE CONNECTED TO THE ANGLES WITH A MINIMUM OF 4 - 5/8" DIAMETER PUDDLE WELDS. THERE SHALL BE A WELD LOCATED NEAR EACH CORNER OF THE DECK PANEL.
- ALL STEEL SHALL BE GALVANIZED TO CONFORM TO ASTM A 123 AFTER CUTTING, BENDING, AND WELDING.