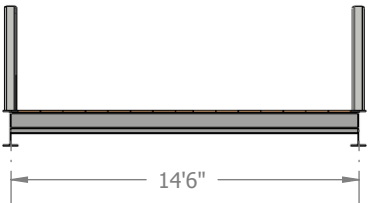
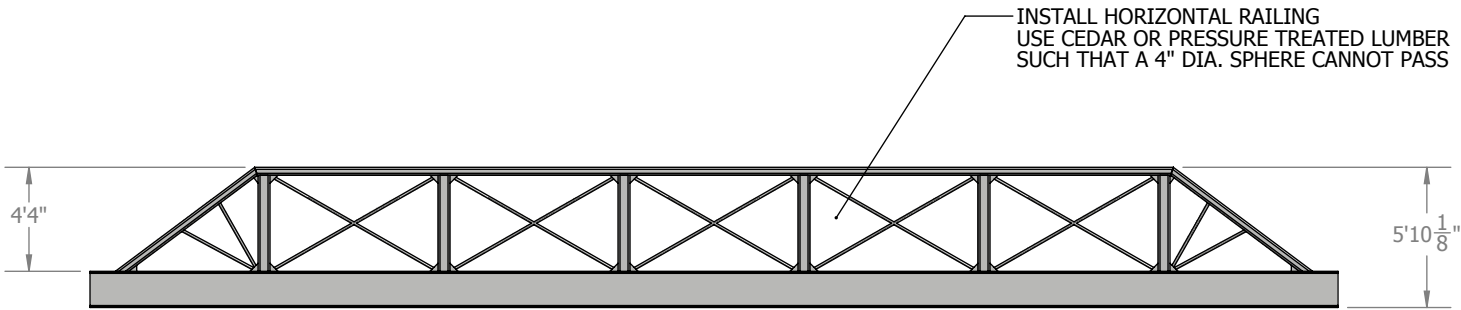
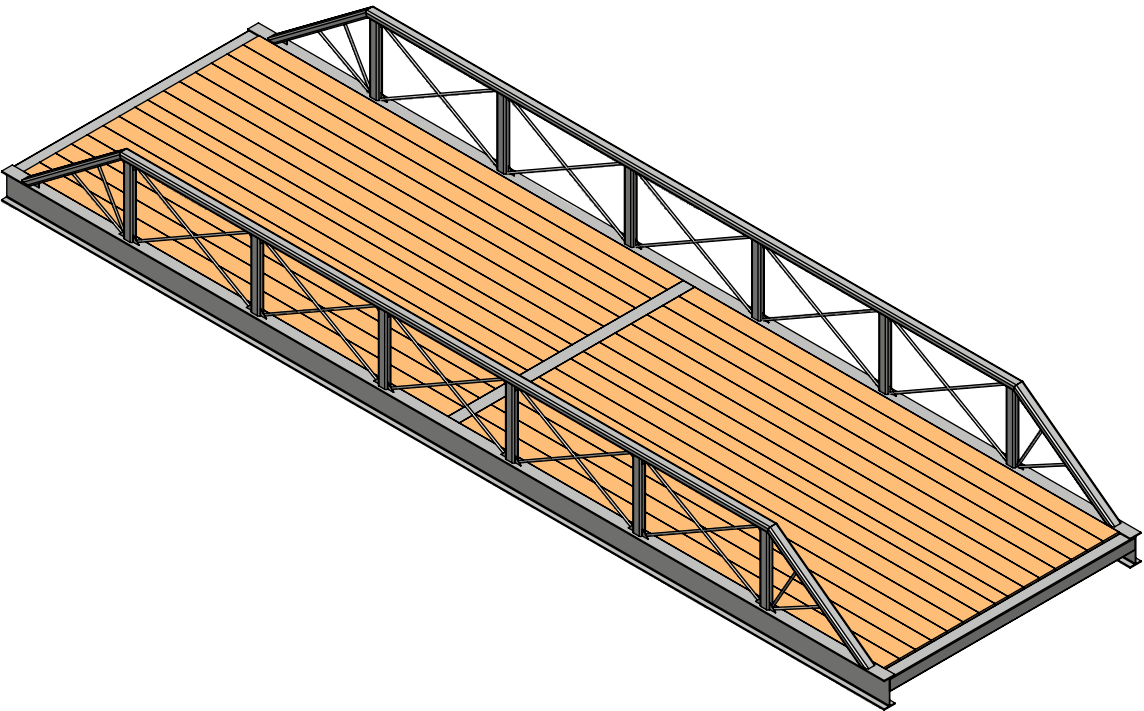
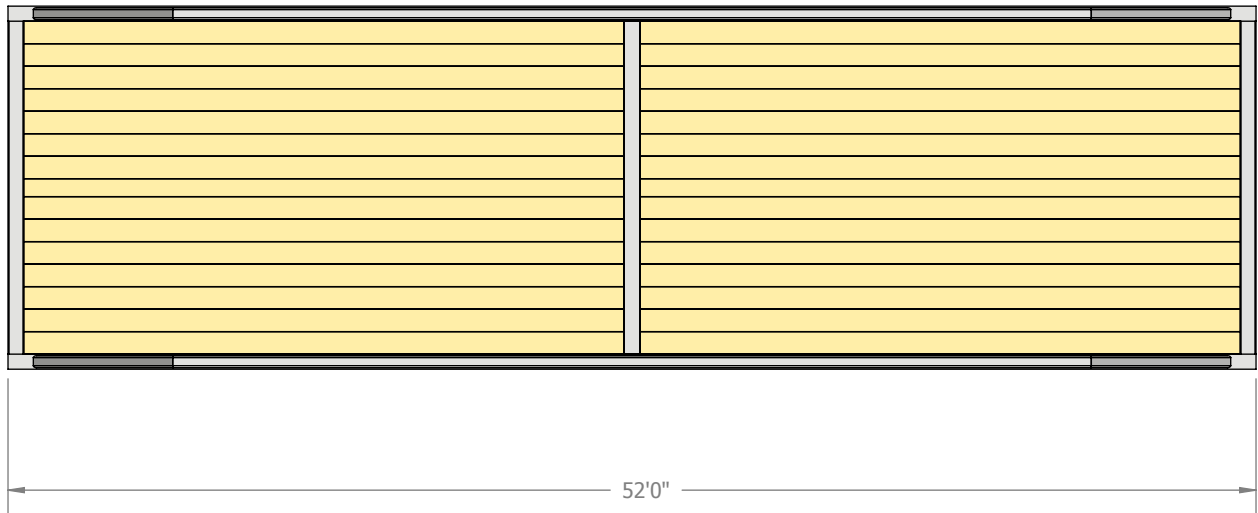



52 x 14.5 STEEL BRIDGE



GENERAL NOTES:

- 1. MAIN BEAMS: W18X55 HSLA
- 2. MATERIAL: A36 STEEL OR EQUIVALENT
- 3. FACTOR OF SAFETY = 5 @ 20,000 GVW



Quinault Engineering
14 WEST QUINAULT ST., TAOLOLAH, WA 98587
ph (360) 276-8215 fax (360) 276-4191

WEIGHT:
24580.075
LBS

DIM. UNITS
INCHES
TOL GROUP
COARSE

X. ±	0.250
X.X ±	0.125
X.XX ±	0.060
X.XXX ±	0.015

X°±5
1/X ±1/8

500

THIRD
ANGLE
PROJECTION

BREAK ALL EDGES .005-.035
MAX FILLET RADIUS 0.035

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USED ON DWG: -

MODEL FILENAME
52X146BRIDGE

MODEL REV
A

DWG FILENAME
52X146BRIDGE

BRIDGES

52 X 14.5 Bridge Assembly

DRAWING NO.
52X146BRIDGE

DATE
NPW

DRAWN
NPW

SCALE
1:96

SHEET
8

SHEET 1 OF 5

REVISION LET CHECK-IN #

A

MFG IGNORE CHECK-IN #

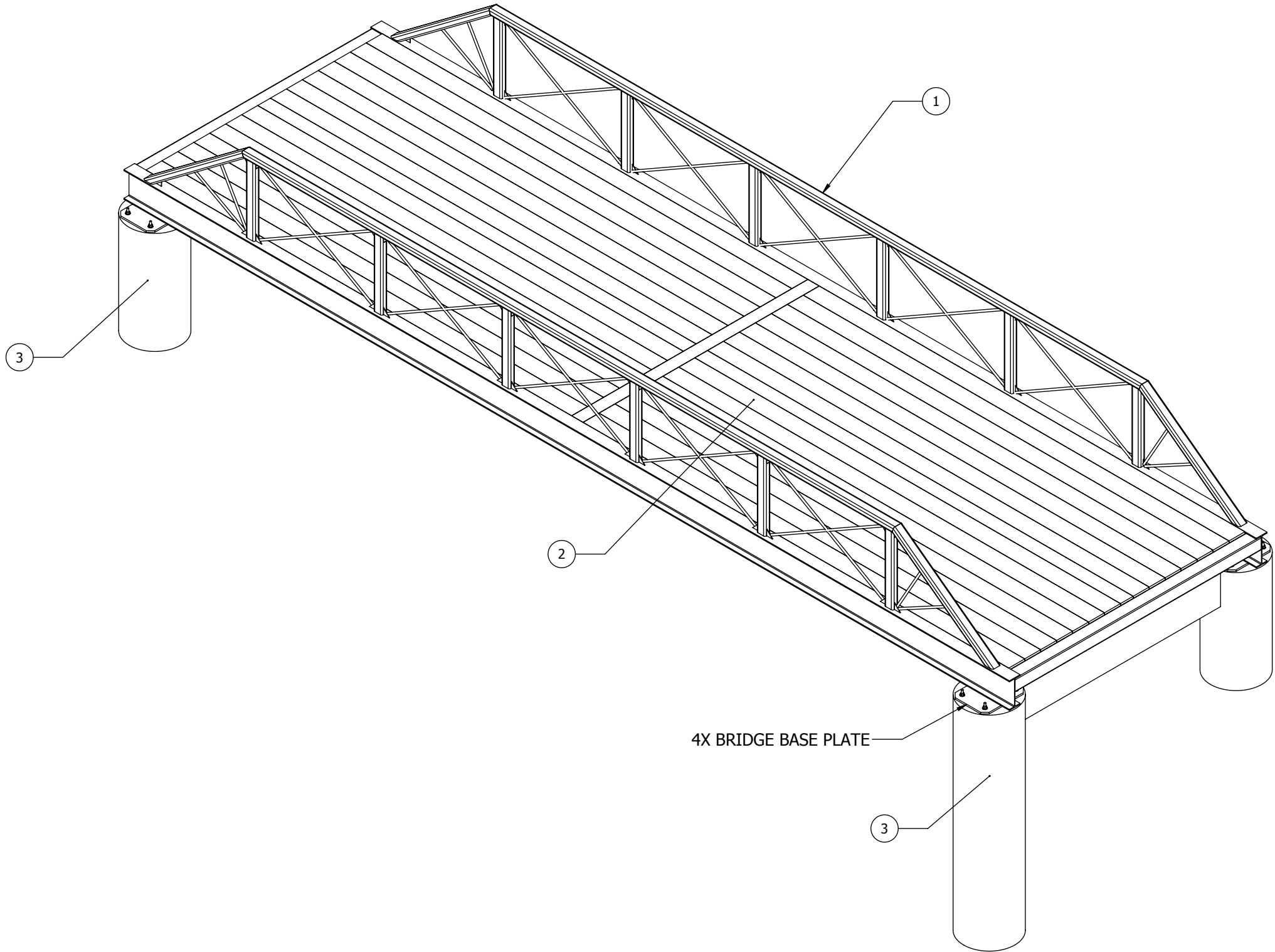
PRINTED: 7/25/2012

LAST SAVED BY: Administrator

DRAWING PATH: U:\QUINAULT\BRIDGE\

CREATED: Monday, August 02, 2010 7:55:46 PM

ITEM NO.	PART NUMBER	DESCRIPTION	Default/QTY.
1	52X146STEEL	52 x 14.5 Bridge - STEEL	1
2	52X146WOOD	52 X 14.5 Bridge - Wood Deck	1
3	52X146ABUTMENT	52 x 14.5 Bridge Abutment	1

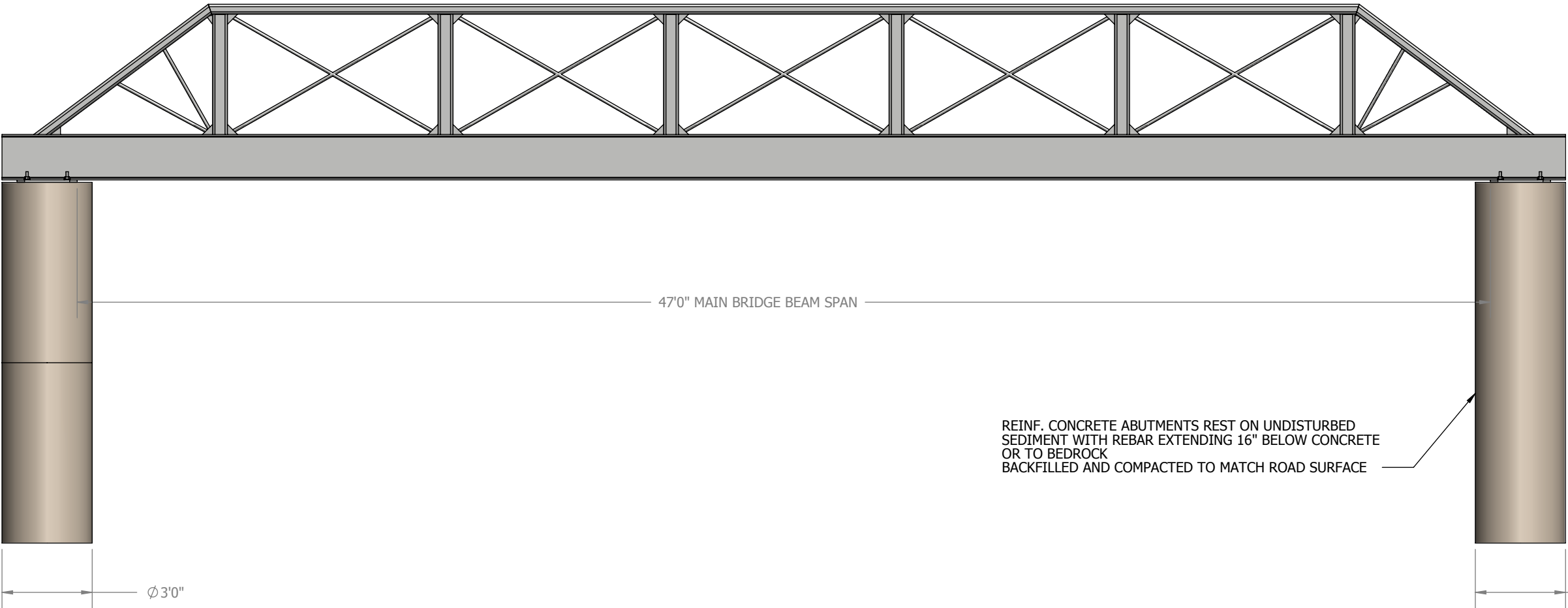



BRIDGE MOUNTING NOTES:

1. SECURE BASE PLATES TO ABUTMENTS WITH ANCHOR BOLTS, HEX NUTS AND WASHERS
2. MOUNT BRIDGE ON BASEPLATES AND CENTER UP AND SHIM AS REQUIRED
3. WELD BRIDGE (AND SHIMS) TO BASEPLATES AS PER BEST SHOP PRACTICE
4. BACKFILL AND COMPACT ROAD BASE TO BRIDGE SURFACE

NOTE: REBAR NOT SHOWN FOR CLARITY

Quinault Engineering 14 WEST QUINAULT ST. TAHOLAH, WA 98587 ph (360) 276-8215 fax (360) 276-4191	WEIGHT: 24580.075 LBS	DIM. UNITS INCHES TOL GROUP COARSE	DIMENSION UNITS UNLESS OTHERWISE NOTED	
	X. ± 0.250 X.X ± 0.125 X.XX ± 0.060 X.XXX ± 0.015 X°±5 1/X ±1/8		500/THIRD ANGLE PROJECTION	
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	USED ON DWG: -		REVISION LET CHECK IN #	
BRIDGES		MODEL FILENAME 52X146BRIDGE	MODEL REV A	DWG FILENAME 52X146BRIDGE
52 X 14.5 Bridge Assembly		DRAWN NPW	CHECKED NPW	SHEET 2 OF 5
DRAWING NO. 52X146BRIDGE		A		





14 WEST QUINAULT ST., TAOLOLAH, WA 98587
ph (360) 276-8215 fax (360) 276-4191

WEIGHT:
24580.075
LBS

DIM. UNITS
INCHES
TOL. GROUP
COARSE

X. ±	0.250
X.X ±	0.125
X.XX ±	0.060
X.XXX ±	0.015

X°±5
1/X ±1/8

DIMENSION UNITS UNLESS OTHERWISE NOTED

500

THIRD
ANGLE
PROJECTION

BREAK ALL EDGES .005-.035
MAX FILLET RADIUS 0.035

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USED ON DWG: -

BRIDGES

52 X 14.5 Bridge Assembly

MODEL FILENAME
52X146BRIDGE

MODEL REV
A

DWG FILENAME
52X146BRIDGE

DRAWN
NPW

CHECKED
NPW

DATE
1:50

SHEET
8

SHEET 3 OF 5

DRAWING NO.
52X146BRIDGE

REVISION LET CHECK IN #
A

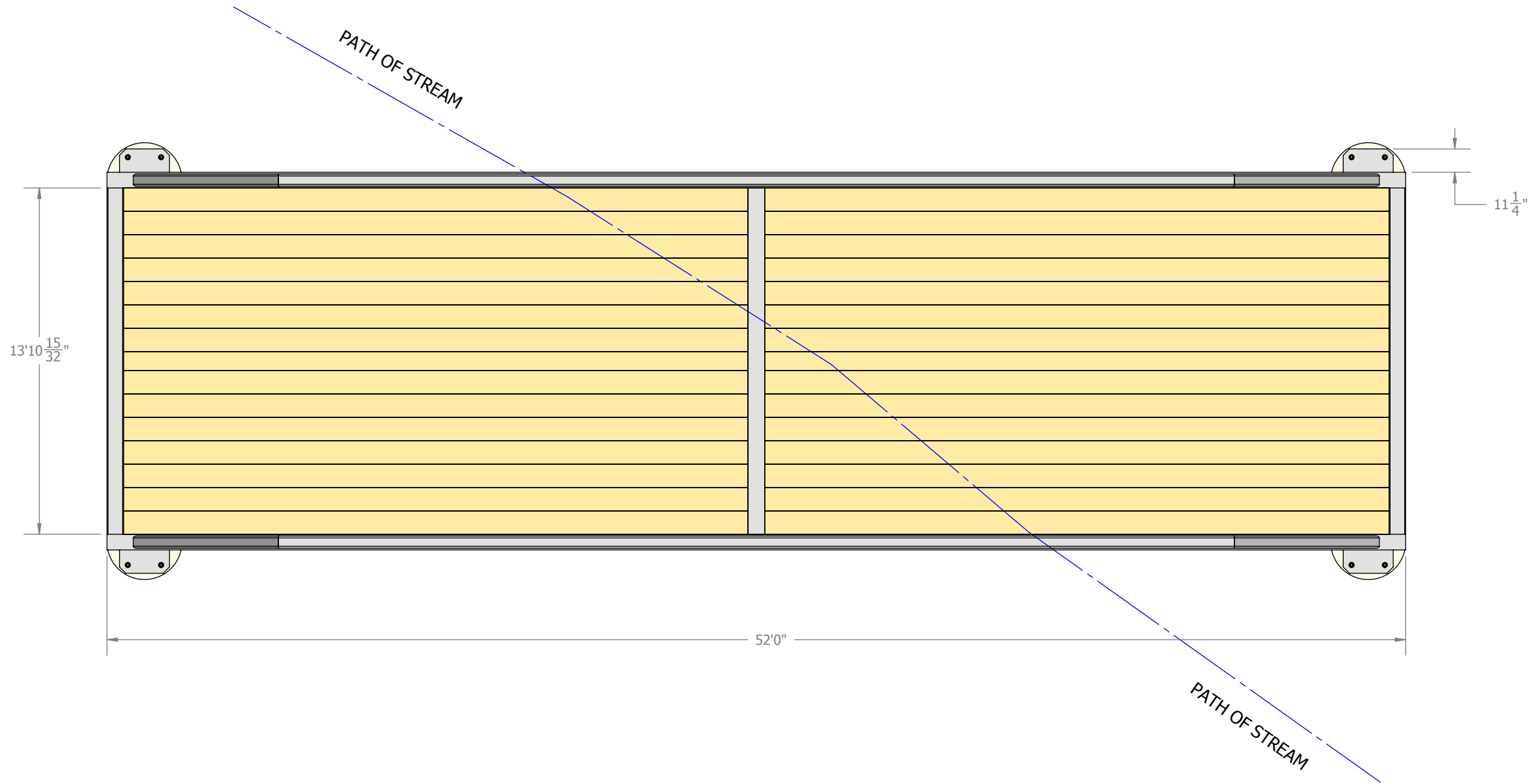
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PRINTED: 7/25/2012

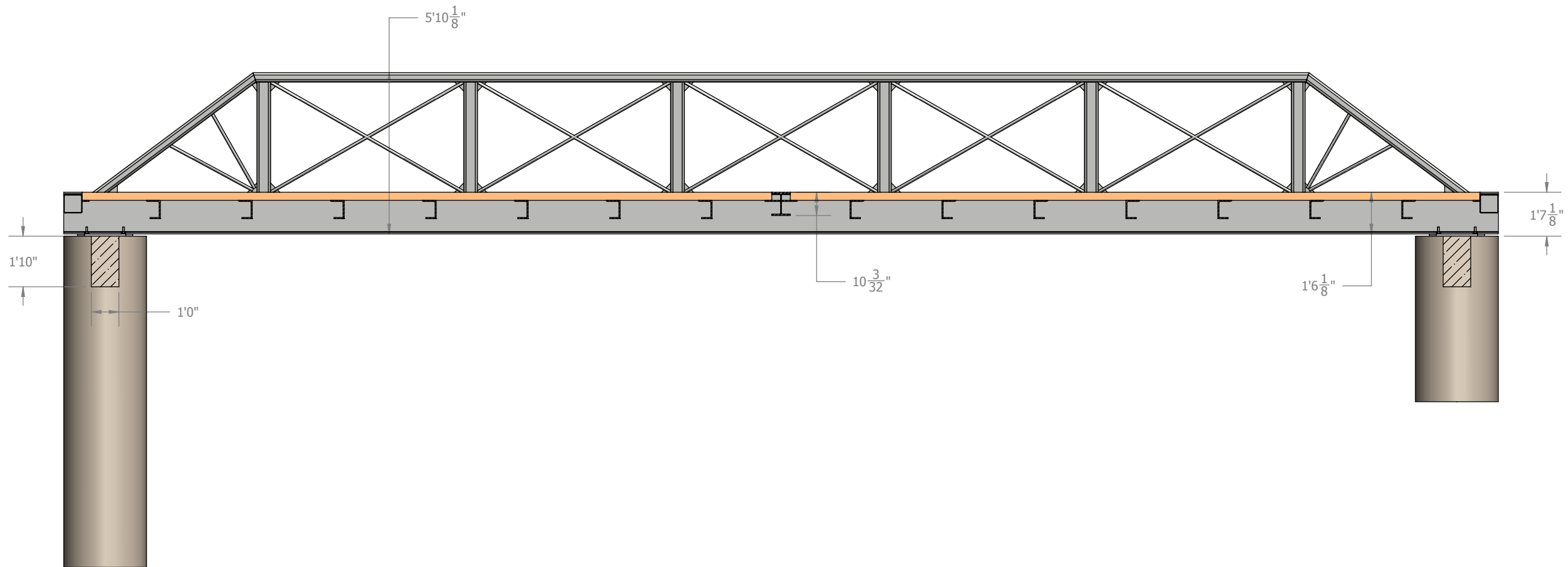
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DRAWING PATH: U:\QUINAULT\BRIDGE\

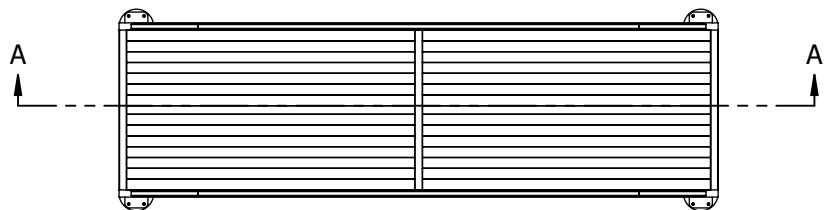
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 Quinault Engineering 14 WEST QUINAUT ST. TAHOLAH, WA 98587 ph (360) 276-8215 fax (360) 276-4191	WEIGHT: 24580.075 LBS	DIM. UNITS INCHES		DIMENSION UNITS UNLESS OTHERWISE NOTED	
		TOL GROUP COARSE		THIRD ANGLE PROJECTION	
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		X.X ± 0.125		THIRD ANGLE PROJECTION	
		X.XX ± 0.060		BREAK ALL EDGES .005-.035	
		X.XXX ± 0.015 X°±5 1/X ±1/8		MAX FILLET RADIUS 0.035	
BRIDGES		USED ON DWG: -			
52 X 14.5 Bridge Assembly		MODEL FILENAME 52X146BRIDGE		MODEL REV A	
		DRAWN NPW		SHEET 8	
DRAWING NO. 52X146BRIDGE		1:60		SHEET 8	
		REVISION LET CHECK IN #		A	
		MFG IGNORE CHECK IN #			



SECTION A-A



Quinault Engineering 14 WEST QUINAULT ST., TAOLOLAH, WA 98587 ph (360) 276-8215 fax (360) 276-4191	WEIGHT: 24580.075 LBS	DIM. UNITS INCHES		← DIMENSION UNITS UNLESS OTHERWISE NOTED	
		TOL GROUP COARSE		THIRD ANGLE PROJECTION	
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		X.X ± 0.125		+	
		X.XX ± 0.060		-	
		X.XXX ± 0.015		X° ± 5	
BRIDGES		1/X ± 1/8		BREAK ALL EDGES .005-.035 MAX FILLET RADIUS 0.035	
		USED ON DWG: -			
52 X 14.5 Bridge Assembly		MODEL FILENAME 52X146BRIDGE		MODEL REV A	
		DRAWN NPW		SHEET 8	
DRAWING NO. 52X146BRIDGE		1:50		SHEET 5 OF 5	
		REVISION LET CHECK IN #		A	
		MFG IGNORE CHECK IN #			