

Form IV

DECKING

SPAN	TYPE	ET	AT	CT	TT	MAT'L
<u>1</u>	<u>6</u>	<u> </u>	<u>1/2"</u>	<u>6"</u>	<u> </u>	<u>2</u>
<u>2</u>	<u>6</u>	<u> </u>	<u>1/2"</u>	<u>6"</u>	<u> </u>	<u>2</u>
<u>3</u>	<u>9</u>	<u> </u>	<u>1/2"</u>	<u>8"</u>	<u> </u>	<u>2</u>
<u>4</u>	<u>6</u>	<u> </u>	<u>1/2"</u>	<u>6"</u>	<u> </u>	<u>2</u>
<u>5</u>	<u>6</u>	<u> </u>	<u>1/2"</u>	<u>6"</u>	<u> </u>	<u>2</u>

STRINGERS OR GIRDERS

TYPES	MATERIALS	SPAN	SHAPE	MAT'L	SW"	SD"	FT"	H	J	K	S
3. STEEL GIRDER & CONC. DECK	1. TIMBER	<u>1</u>	<u>2</u>	<u>3</u>	<u>9"</u>	<u>24"</u>	<u>3/4"</u>	<u>6</u>	<u>4.8'</u>	<u>28.8'</u>	<u>29.0'</u>
9. THRU TRUSS & CONC. DECK	2. CONCRETE	<u>2</u>	<u>2</u>	<u>3</u>	<u>9"</u>	<u>24"</u>	<u>3/4"</u>	<u>6</u>	<u>4.8'</u>	<u>28.8'</u>	<u>29.0'</u>
	3. STEEL	<u>3</u>	Truss	<u>3</u>	SEE SKETCH		<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>81.9'</u>
	SHAPE CODE	<u>4</u>	<u>2</u>	<u>3</u>	<u>9"</u>	<u>24"</u>	<u>3/4"</u>	<u>6</u>	<u>4.8'</u>	<u>28.8'</u>	<u>29.0'</u>
		<u>5</u>	<u>2</u>	<u>3</u>	<u>9"</u>	<u>24"</u>	<u>3/4"</u>	<u>6</u>	<u>4.8'</u>	<u>28.8'</u>	<u>29.0'</u>

SUBSTRUCTURE /CAPS

BENT	MAT'L	TYPE	BW	X	BD
<u>1</u>	<u>1</u>	<u>2</u>	<u>13"</u>	<u> </u>	<u>13"</u>
<u>2</u>	<u>1</u>	<u>3</u>	<u>13"</u>	<u> </u>	<u>13"</u>
<u>3</u>	<u>2</u>	<u>3</u>	SEE SKETCH		<u> </u>
<u>4</u>	<u>2</u>	<u>3</u>	SEE SKETCH		<u> </u>
<u>5</u>	<u>1</u>	<u>3</u>	<u>13"</u>	<u> </u>	<u>13"</u>
<u>6</u>	<u>1</u>	<u>2</u>	<u>13"</u>	<u> </u>	<u>13"</u>

DIAPHRAGM	SHAPE	DW	DD	DS
	<u>4</u>	<u>2</u>	<u>1/2"</u>	<u>9 1/4"</u>
	<u>4</u>	<u>2</u>	<u>1/2"</u>	<u>9 1/4"</u>
	<u>4</u>	<u>2</u>	<u>1/2"</u>	<u>9 1/4"</u>
	<u>4</u>	<u>2</u>	<u>1/2"</u>	<u>9 1/4"</u>

SUBSTRUCTURE /PILES

BENT	MAT'L	SHAPE	CR	P	O	R
<u>1</u>	<u>1</u>	<u>6</u>	<u>36"</u>	<u>6</u>	<u>4.8'</u>	<u>28.8'</u>
<u>2</u>	<u>1</u>	<u>6</u>	<u>36"</u>	<u>6</u>	<u>4.8'</u>	<u>28.8'</u>
<u>3</u>	<u>1</u>	<u>6</u>	SEE SKETCH		<u> </u>	<u> </u>
<u>4</u>	<u>1</u>	<u>6</u>	SEE SKETCH		<u> </u>	<u> </u>
<u>5</u>	<u>1</u>	<u>6</u>	<u>36"</u>	<u>6</u>	<u>4.8'</u>	<u>28.8'</u>
<u>6</u>	<u>1</u>	<u>6</u>	<u>36"</u>	<u>6</u>	<u>4.8'</u>	<u>28.8'</u>

TYPES

1. TIMBER GIRDER & PLANK DECK
2. TIMBER GIRDER & LAMIN. DECK
3. TIMBER GIRDER & CONC. DECK
4. STEEL GIRDER & PLANK DECK
5. STEEL GIRDER & LAMIN. DECK
6. STEEL GIRDER & CONC. DECK
7. R. C. DECK GIRDER
8. R.C. SLAB

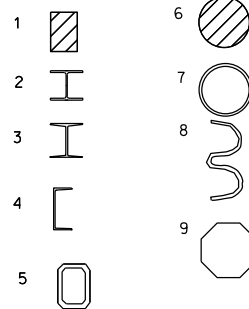
MATERIALS

1. TIMBER
2. CONCRETE
3. STEEL
4. ALUMINUM

SUBSTR. TYPE

1. FULL HEIGHT
2. STUB OR OPEN
3. PILE INTER. BT.
4. SINGLE COLUMN
5. TWO COLUMN
6. THREE COLUMN
7. SOLID WALL PIER

SHAPE CODE

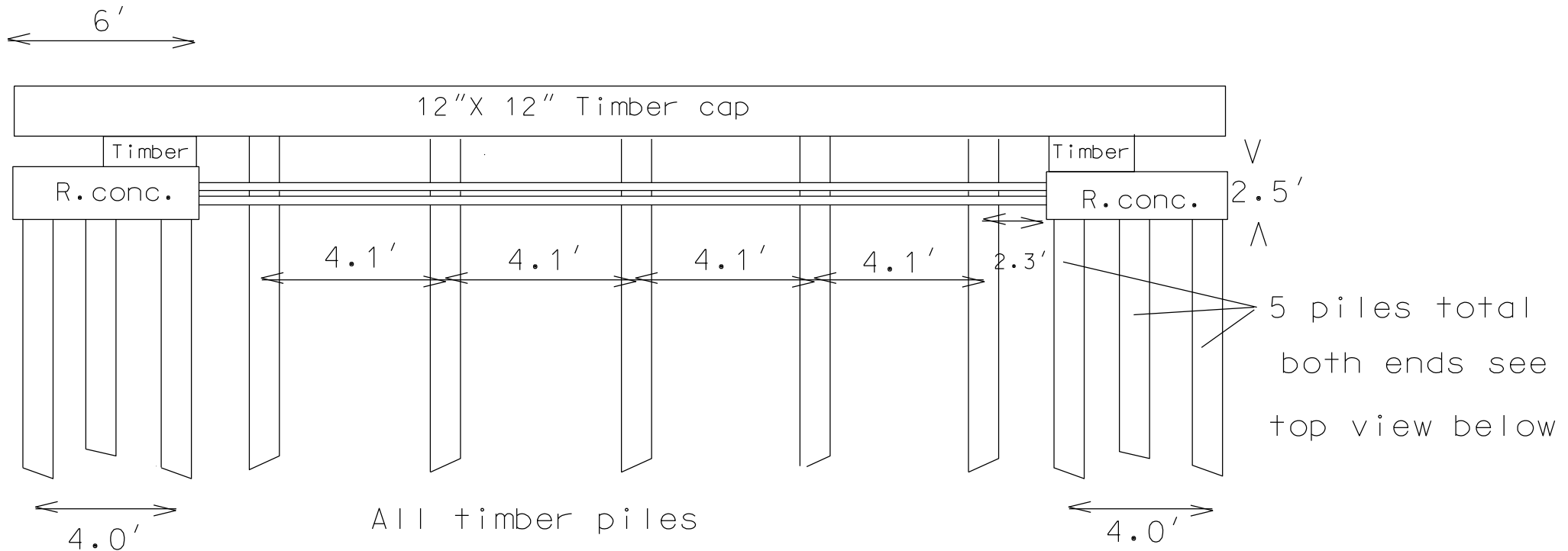


AT= ASPHALT THICKNESS (INCHES)
 CT= CONCRETE THICKNESS (INCHES)
 TT= TIMBER THICKNESS (INCHES)
 ET= GRAVEL OR SOIL DEPTH (INCHES)
 BD= BENT CAP DEPTH (INCHES)
 BW= BENT CAP WIDTH (INCHES)

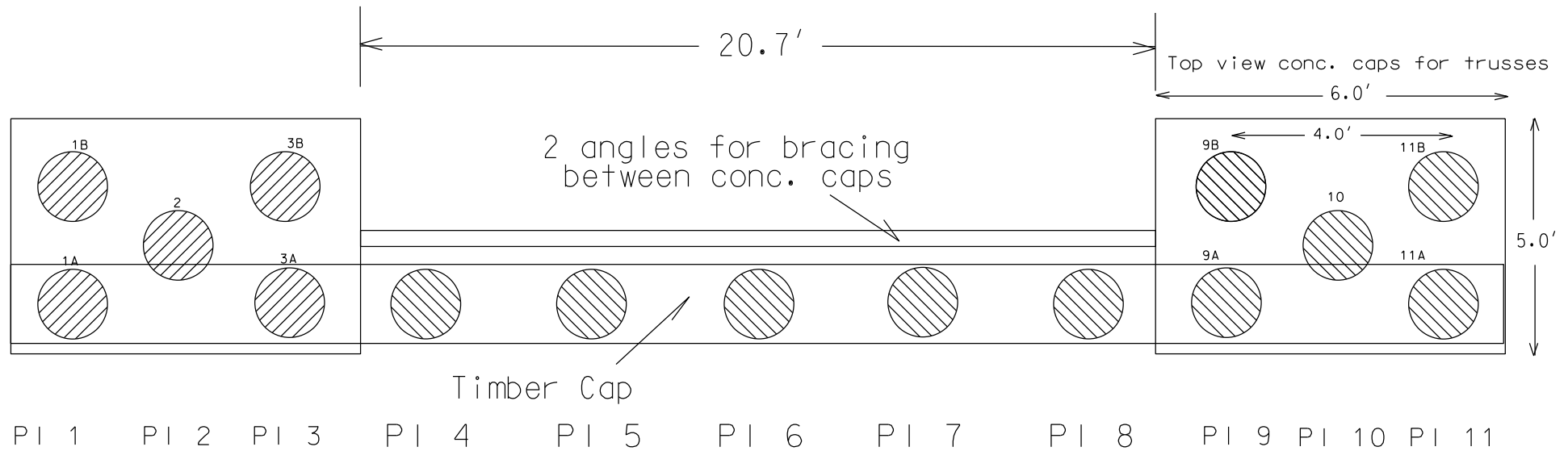
TR= TIMBER RUNNER THICKNESS (INCHES)
 DW= DIAPHRAGM WIDTH (INCHES)
 DD= DIAPHRAGM DEPTH (INCHES)
 DS= DIAPHRAGM SPACING (FEET)
 CR= COLUMN CIRCUMFERENCE (INCHES)

VERTICALS			DIAGONALS			BOTTOM CHORD				
MEMBER	DESCRIPTION	COND.	MEMBER	DESCRIPTION	COND.	MEMBER	DESCRIPTION	COND.		
L1-U2	10"Dx8"Wx FT=1/2"		U1-L2	2 @ 4"x3"xFT=3/8" angles		L0-L1	2 channels @ 10"Dx 2 3/4"W			
L2-U2	10"Dx8"Wx FT=1/2"		U2--L3	face to face w/ 4" down		L1-L2	x 3/8" face to face			
L3-U3	10"Dx8"Wx FT=1/2"		U3-L4	w/3" batten plates spaced		L2-L3	W/ 2 batten plates on			
L4-U4	10"Dx8"Wx FT=1/2"		L4-U5	in 2 equal spaces		L3-L4	top 1.0' from verticals			
L5-U5	10"Dx8"Wx FT=1/2"		L5-U6	9"x 9"x 1/4"		L4-L5	@ 9"x 15" x5/16" &			
L6-U6	10"Dx8"Wx FT=1/2"		L6-U7			L5-L6	1 batten plate on bottom			
L7-U7	10"Dx8"Wx FT=1/2"					L6-L7	half-way between verticals			
	W-shape Beams					L7-L8	@ 9"x 15" x5/16"			
TOP CHORD			FLOOR BEAMS			STRINGERS				
MEMBER	DESCRIPTION	COND.	MEMBER	DESCRIPTION	COND.	MEMBER	DESCRIPTION	COND.		
L0-U1	2 channels(back to back)		L0-L0	10 1/2"Wx 30"D FT=1"						
U1-U2	10"x 2 3/4"x 3/8"		L1	10 1/2"Wx 30"D FT=1"						
U2-U3	Plate(17"x 1/4") covers			10 1/2"Wx 30"D FT=1"						
U3-U4	entire top. 40" of lacing			10 1/2"Wx 30"D FT=1"						
U4-U5	under bottom channels			10 1/2"Wx 30"D FT=1"						
U6-U7	2 1/2"x 7/16" on 13 1/2"			10 1/2"Wx 30"D FT=1"						
U7-L8	centers. 17"Wx 15 1/4" x		L7	10 1/2"Wx 30"D FT=1"						
	1/4" plate end of lacing		L8-L8	10 1/2"Wx 30"D FT=1"						
BOTTOM LATERALS			TOP LATERALS			PORTAL BRACING		DECKING		
PANELS	DESCRIPTION	COND.	PANELS	DESCRIPTION	COND.	DESCRIPTION		COND.	DESCRIPTION	COND.
L0-L2	angles - 3"x 4 1/4"								8" Concrete	
L2-L4	x 5/16" W/4 1/4"			N/A		N/A				
L4-L6	side down									
L6-L8										

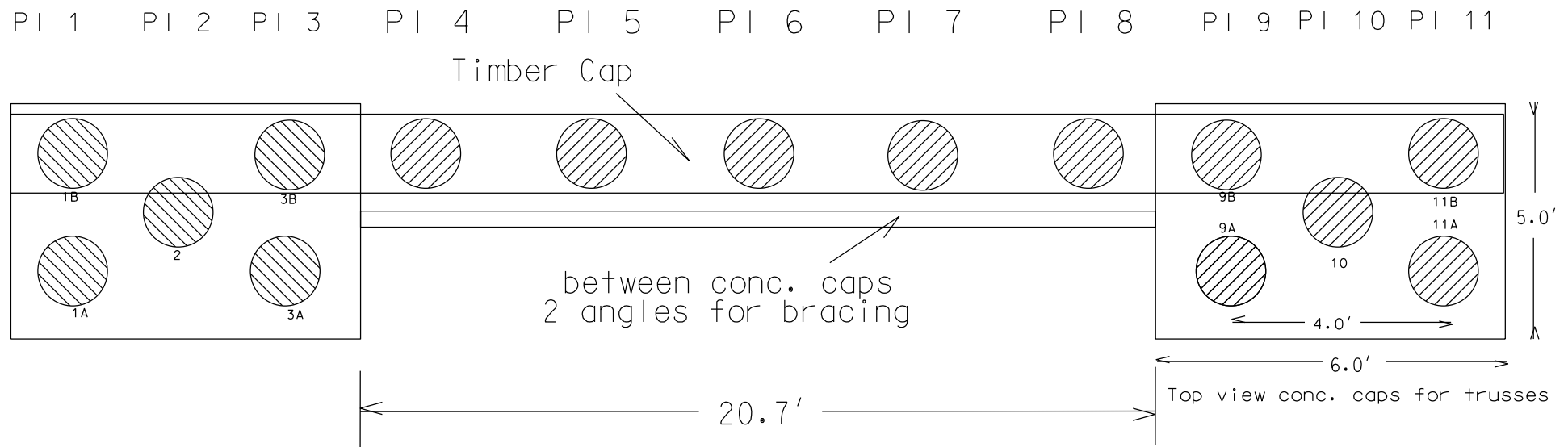
Bt.4 Substructure



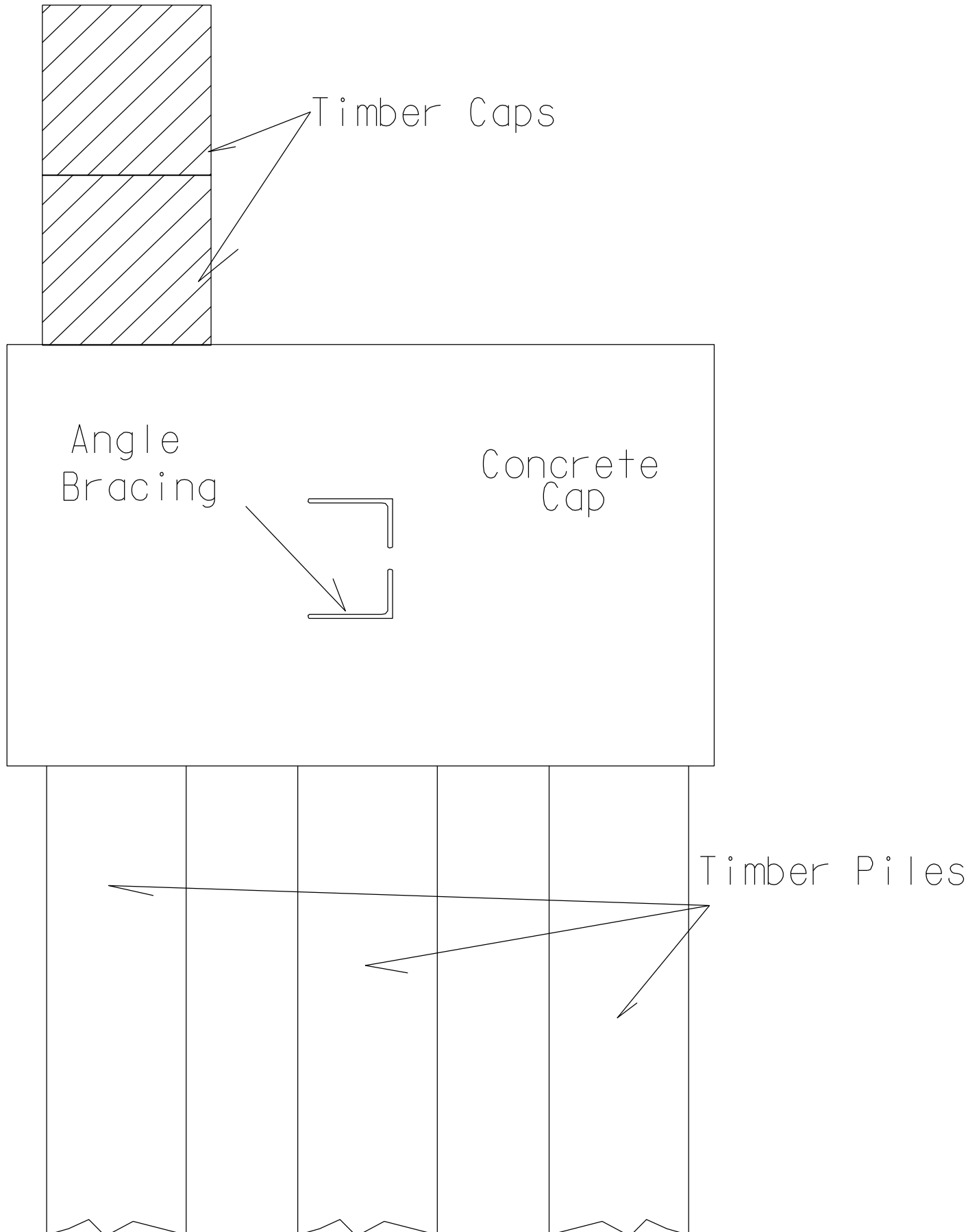
Plan View Bents 3



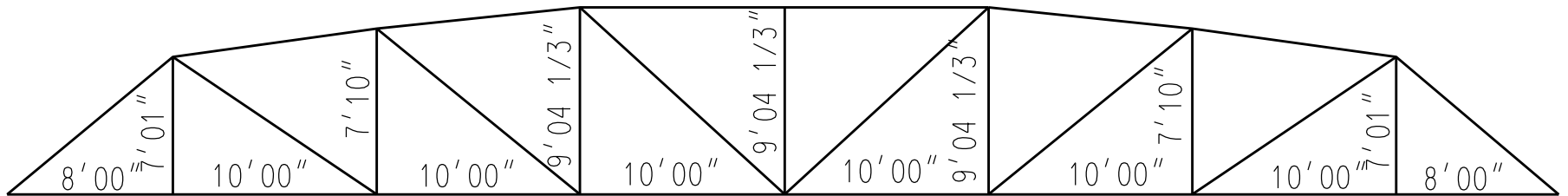
Plan View Bent 4



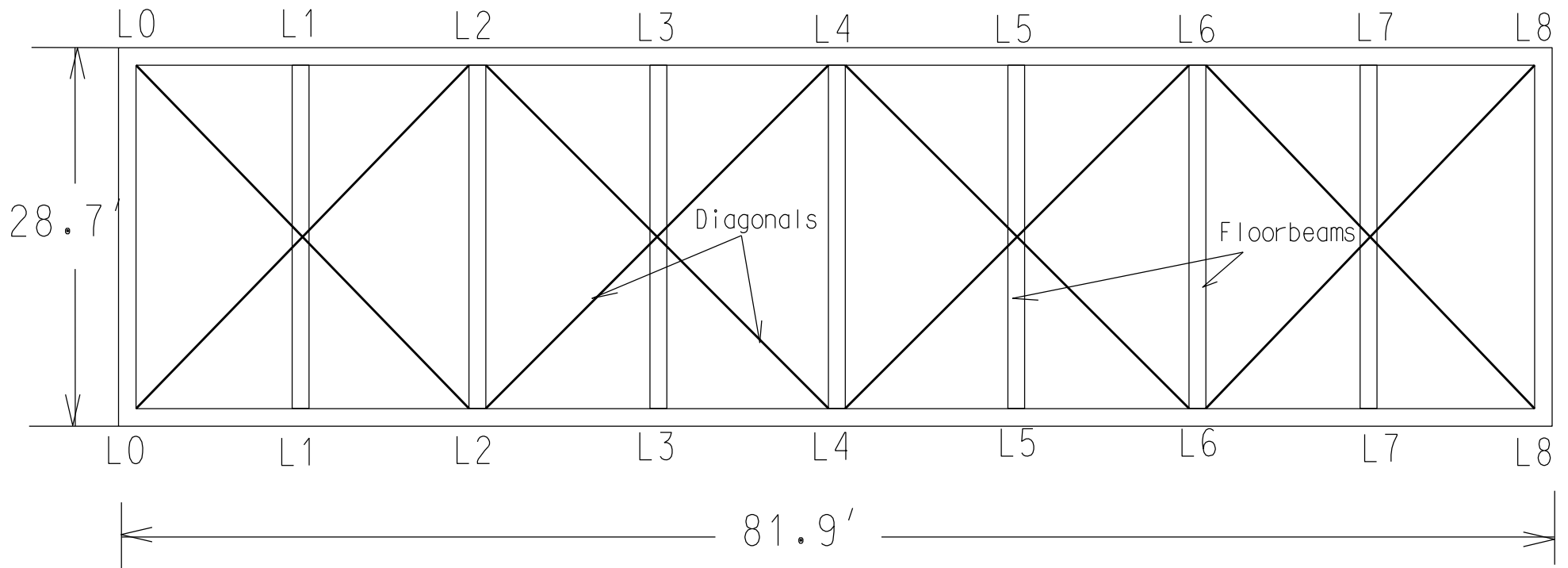
End View Bents 3 & 4



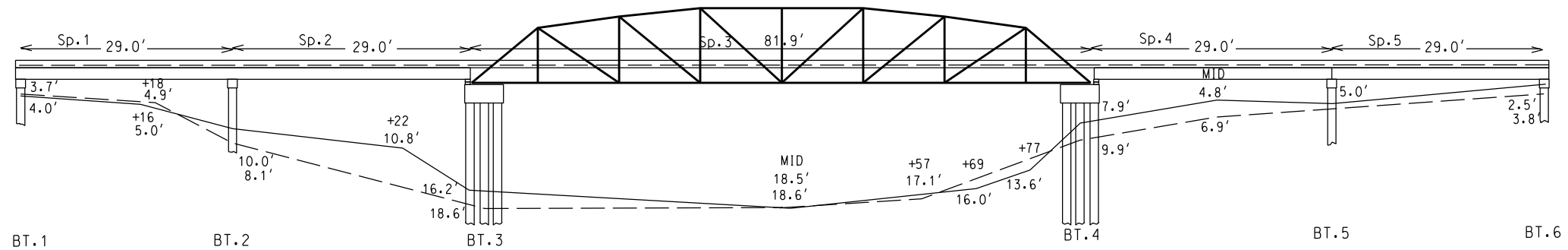
Truss Diminsions



Plan View Truss Showing Floorbeams & Diagonals



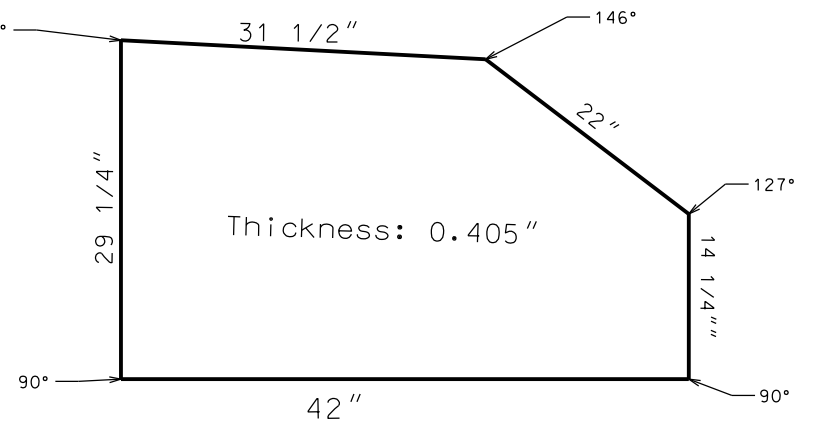
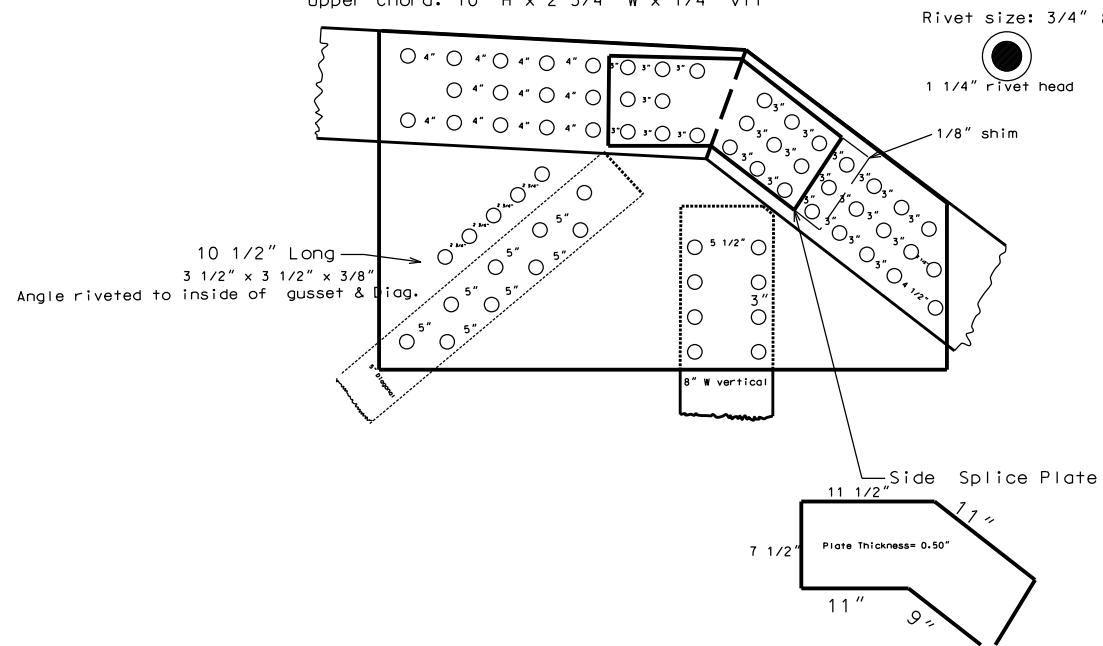
Overall length = 198.0'



Channel sounded from top of deck - South side
Red dashed line & soundings taken on 3-10-1981
Blue solid line & soundings taken on 9-18-2006

U1-U7

Upper Chord: 10" H x 2 3/4" W x 1/4" vft



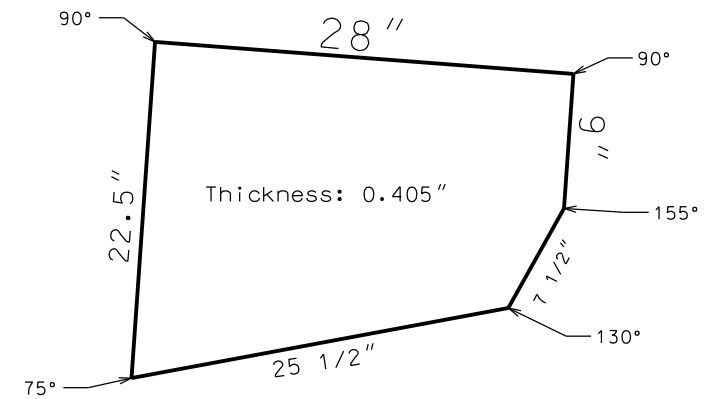
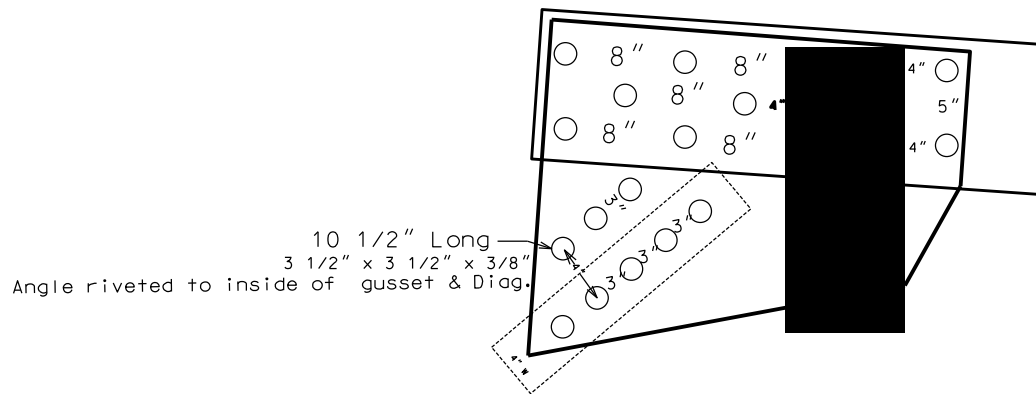
U2-U6

Upper Chord: 10" H x 2 3/4" W x 1/4" vft

Rivet size: 3/4"



1 1/4" rivet head



Upper U3-U5

17" W x 12" H x 3/8" T

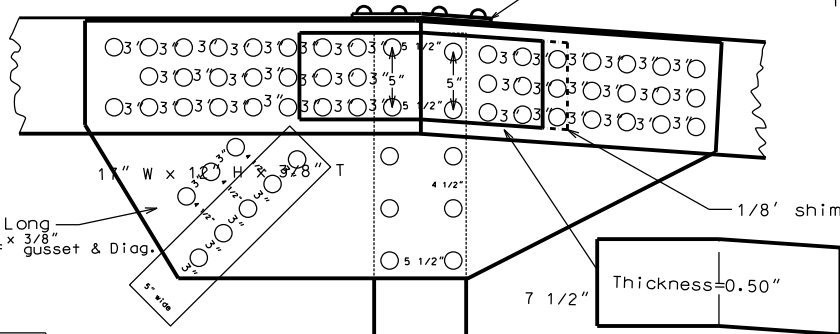
Upper Chord: 10" H x 2 3/4" W x 1/4" vft

Rivet size: 3/4"

1 1/4" rivet head



Splice plate (see below)



Top Splice Plate

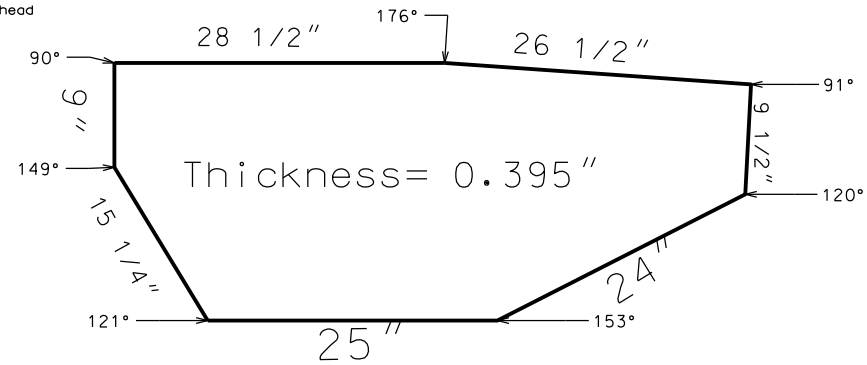
17" W x 12" H x 3/8" T

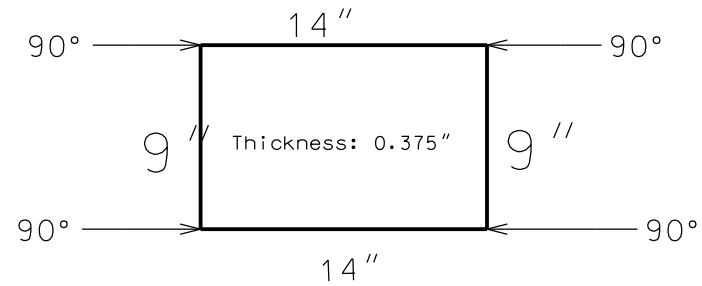
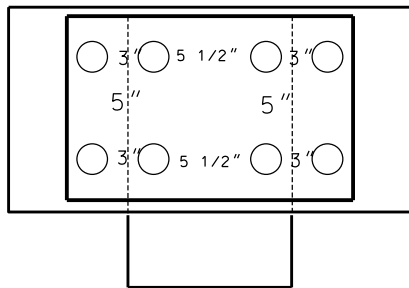
8" wide

21" L

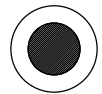
Side Splice plate

○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○





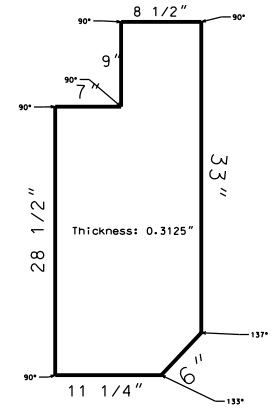
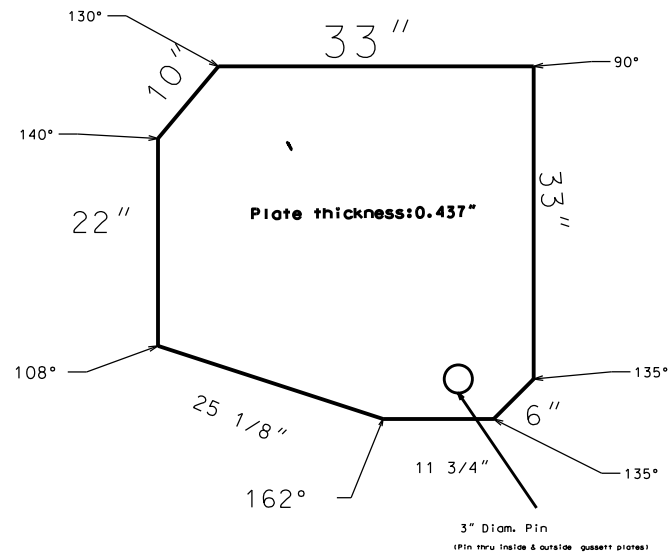
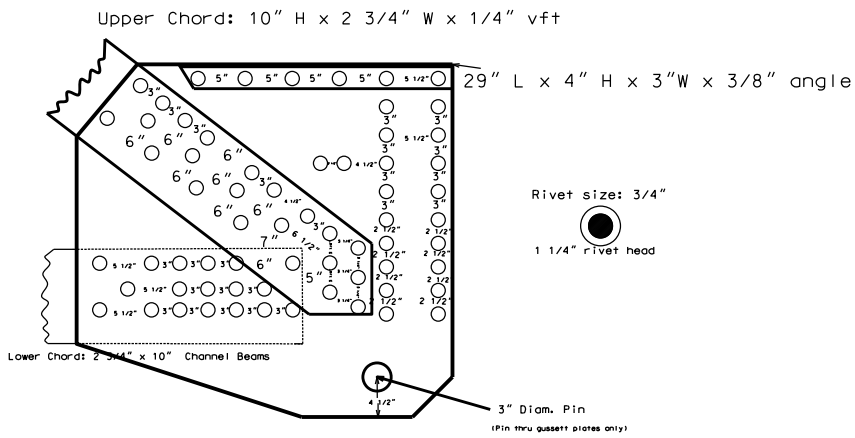
Rivet size: 3/4"



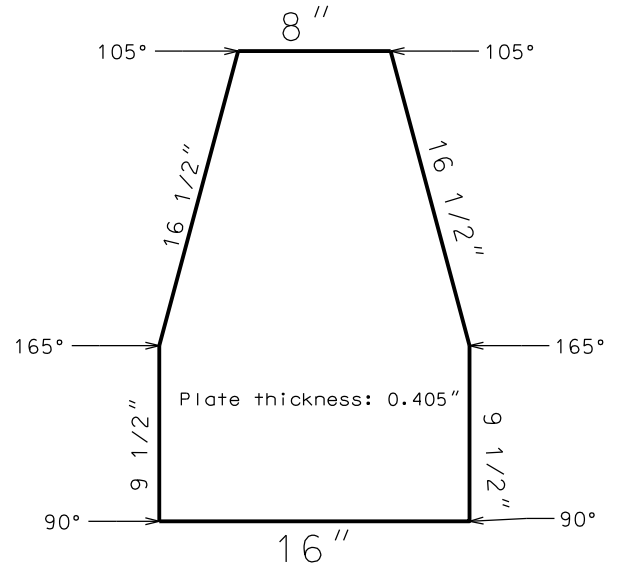
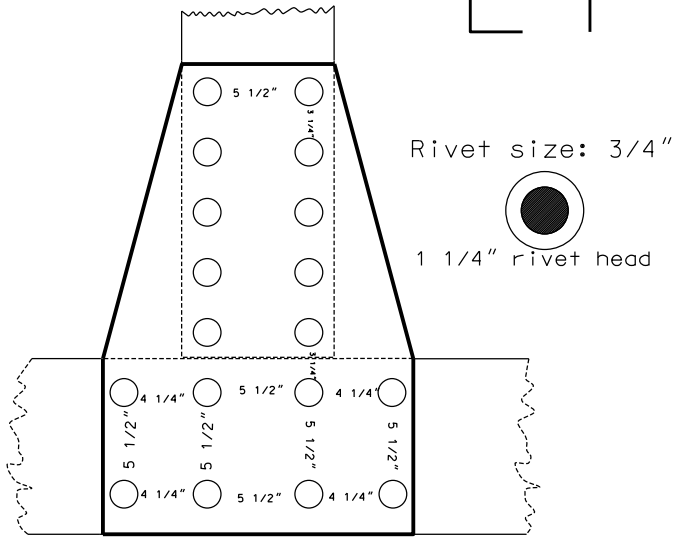
1 1/4" rivet head

LO-L8

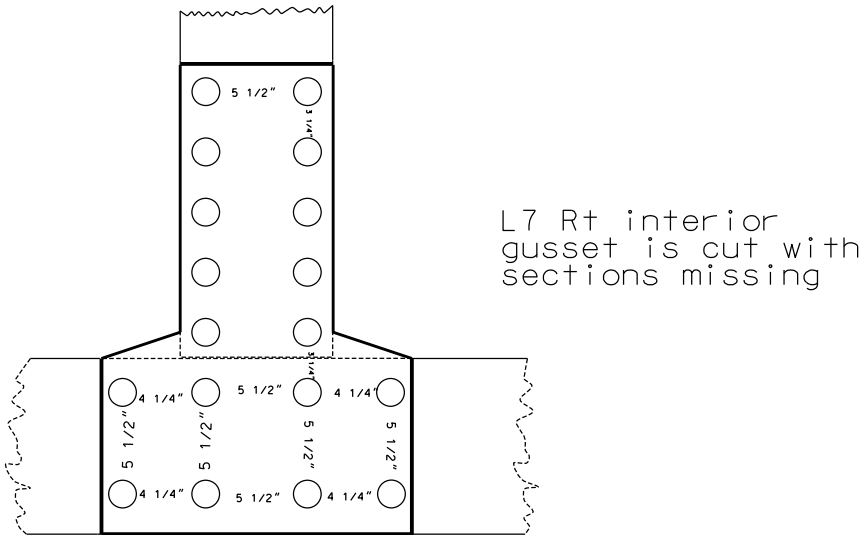
Inside Plate



L1-L7



Lower Chord: 2 3/4" x 10" Channel Beams

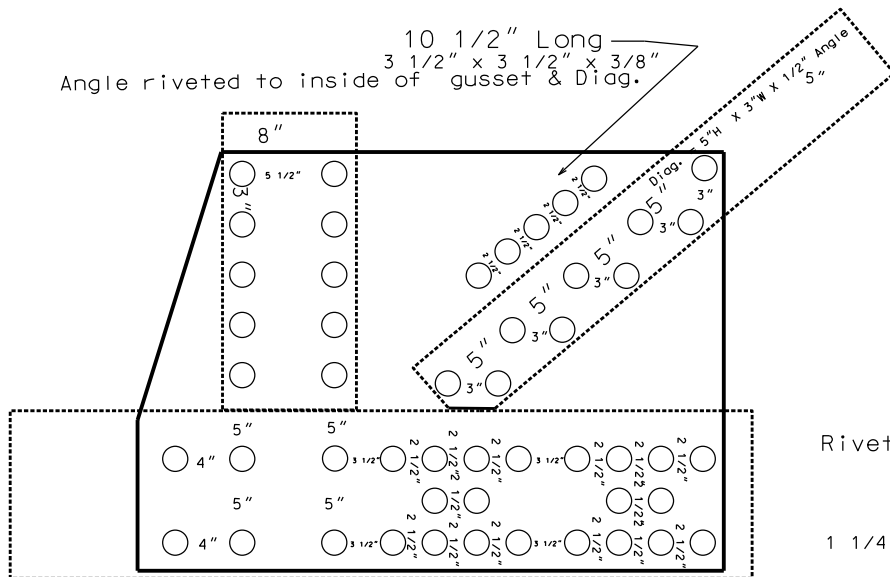


Lower Chord: 2 3/4" x 10" Channel Beams

L7 RT

L2-L6

10 1/2" Long
3 1/2" x 3 1/2" x 3/8"
Angle riveted to inside of gusset & Diag.

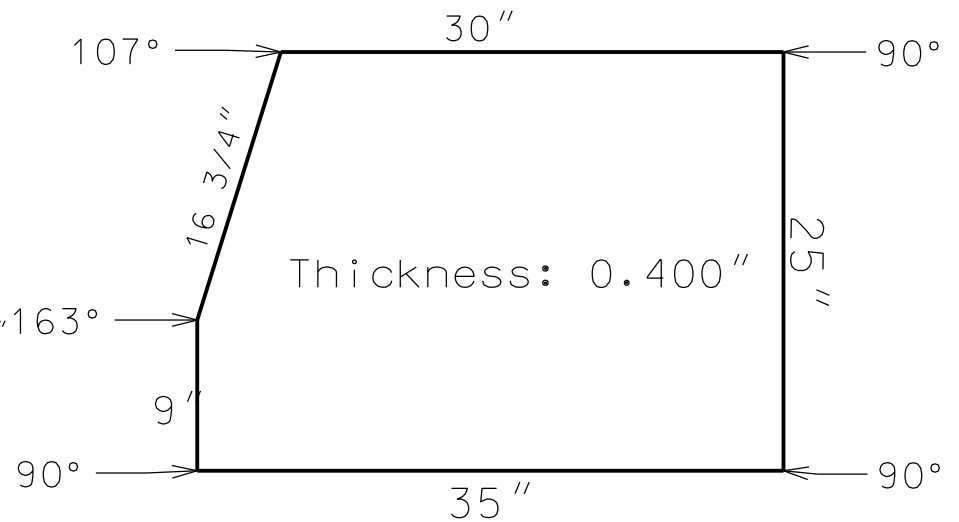


Lower Chord: 2 3/4" x 10" Channel Beams

Rivet size: 3/4" 163°



1 1/4" rivet head



L3-L5

