

(5) ENDS OF DIAGONALS SHALL BE CUT TO FIT NEATLY AGAINST CHORD OR POST. FILLET WELD SIZE TO BE DIAGONAL TUBE OR PIPE THICKNESS PLUS 1/16" (IN).

POST

SPAN

LENGTH

60' OR LESS

61' TO 90'

91' TO 120'

121' TO 150'

6"

8 1/2"

9 1/2" | 1 1/4"

3/4"

7/8"

1/2"

5/8"

3/4"

7/8"

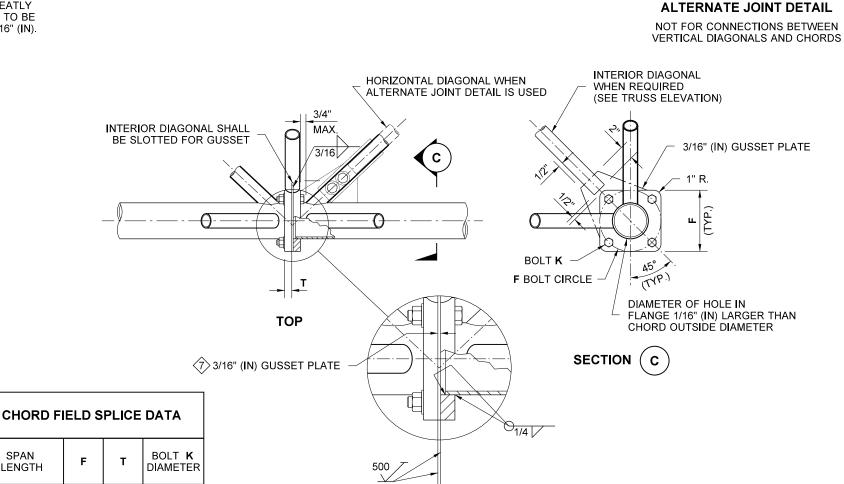
45° FOR CHORDS OVER 1/4"

(IN) THICK (SQUARE FOR 1/4"

(IN) OR LESS)

TYPICAL JOINT DETAIL

CHORD SHOWN ~ END POST SIMILAR



3" (IN) SLOT IN HORIZONTAL

DIAGONAL FOR PLATE 3/8" (IN)

3/4" (IN) FOR SPANS OVER

120' (FT) ÓTHERWISE 3/8" (IN)

ALTERNATE JOINT DATA

d

2 1/2"

3"

3"

3 1/2"

LENGTH

60' OR LESS

61' TO 90'

91' TO 120'

121' TO 150'

е

1 1/4"

1 1/2"

1 1/2"

1 3/4"

BOLT Q

DIAMETER

3/4"

7/8"

7/8"

INTERIOR

DIAGONAL

3/4" MAX.

10"

TOP

6 DIMENSION SHALL EQUAL CHORD THICKNESS OR 1/4" (IN), WHICHEVER IS LESS.

1/4" (IN) BACKING

CHORD)

PLATE

END POST OR CHORD SHOP SPLICE

NO POST SPLICES PERMITTED IN LOWER THIRD OF HEIGHT, NOR CLOSER THAN 3' - 0" TO BOTTOM OF CHORD. NO CHORD SHOP SPLICES PERMITTED IN MIDDLE THIRD OF SPAN. MAXIMUM OF ONE SPLICE IN EACH END POST.

CHORD FIELD SPLICE

(NO CHORD FIELD SPLICE PERMITTED IN MIDDLE THIRD OF SPAN LENGTH)

⟨7⟩ 3/16" (IN) SHIMS ARE REQUIRED AT THE REMAINING TWO CHORD JOINTS WHEN INTERIOR DIAGONAL IS INSTALLED. FOR SPAN LENGTHS NOT LISTED. INTERPOLATE VALUES OF \triangle .

INTERIOR DIAGONAL

€ BOLTS Q

3/8" PLATE

SECTION

S/4

S/4

SPAN **LENGTH**

S (FT.) 40

50

60

61

70

80

90 91

100

110

120

121

130

140

150

S/4

(IN.)

1/2

3/4

7/8

7/8

1 1/4

1 1/2

1 3/8

1 5/8

2

2 3/8

2 1/8

2 1/2

2 7/8

3 3/8

D

♠ BOLTQ W/ HEX NUT & WASHER (TYP.) (NOT SHOWN FOR CLARITY)

1/4" (IN) GUSSET

PLATE

(SEE NOTE 4)

WHERE REQUIRED

FABRICATE TRUSS WITH CHORDS CURVED TO PROVIDE CAMBER. DO NOT CAMBER BY USING SHIMS BE-TWEEN CHORDS AT SPLICES.

DEAD LOAD CAMBER

FILE NAME	S:\Design R P& S\4-Standards\2-Plan Sheet Library\02-PSL Work in Progress\Fern\(SD-l3)Sign Bridge (Truss Type)∮SD-l3.e.dgn										PLOT3
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