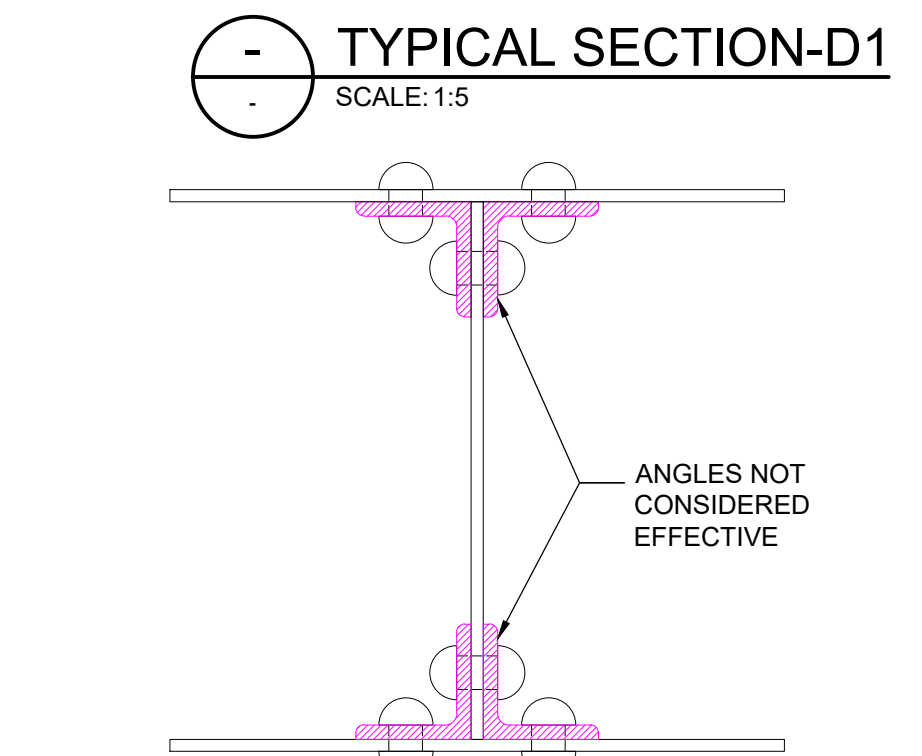
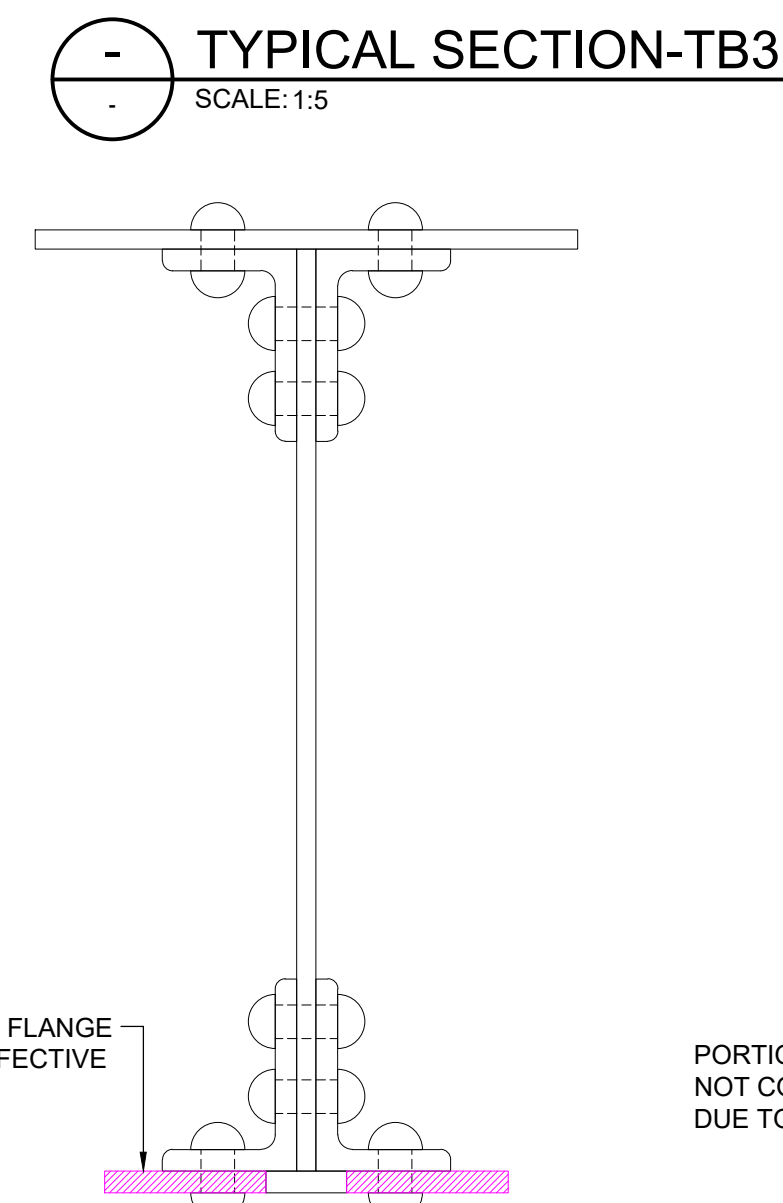
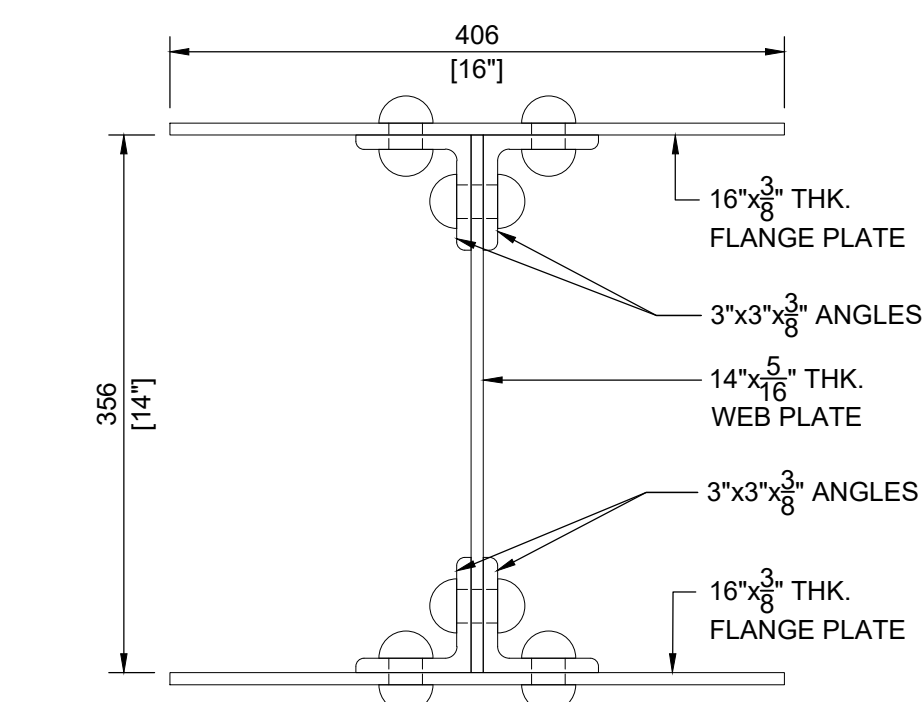
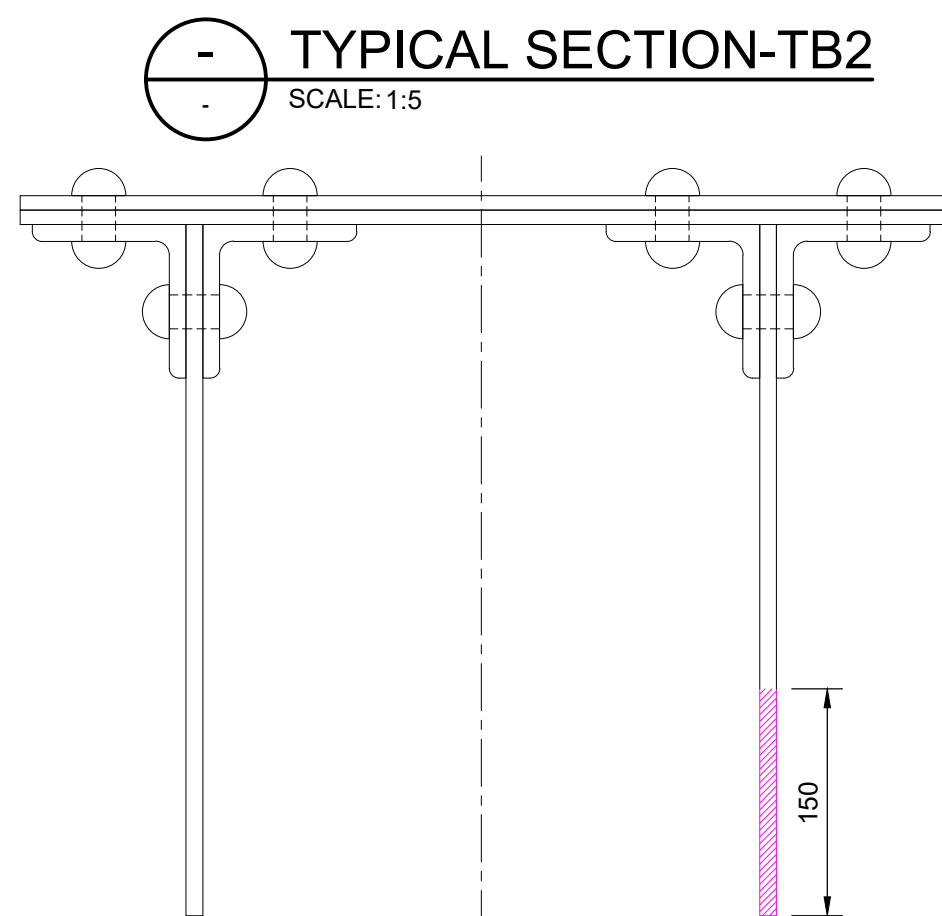
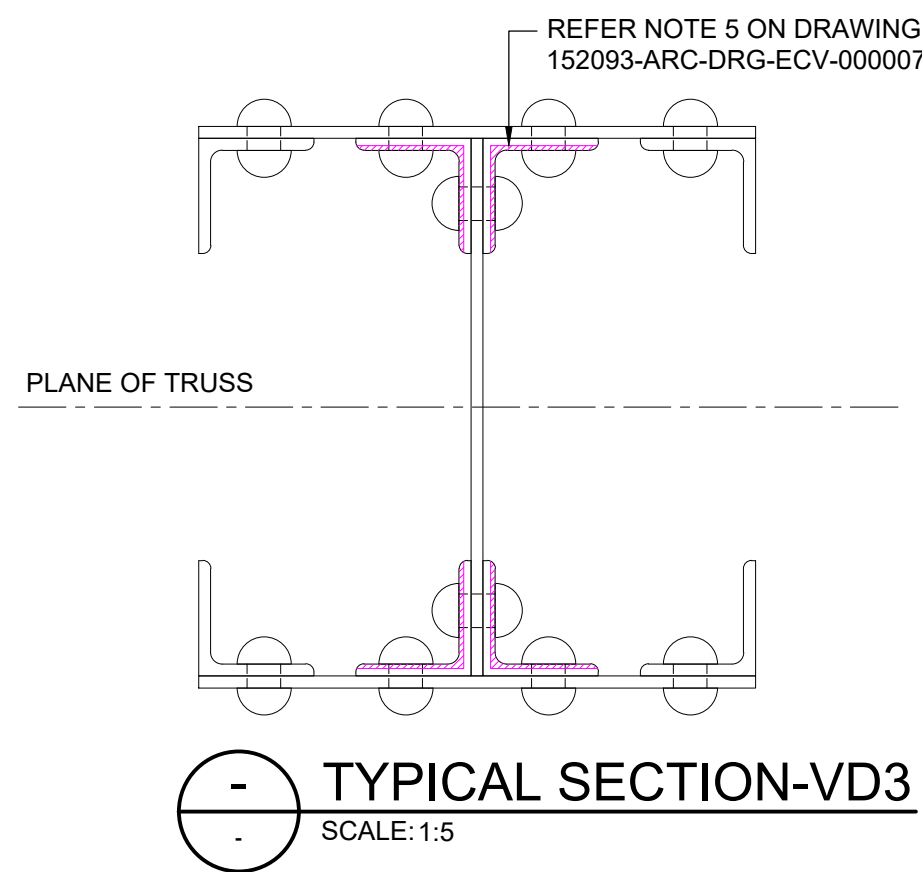
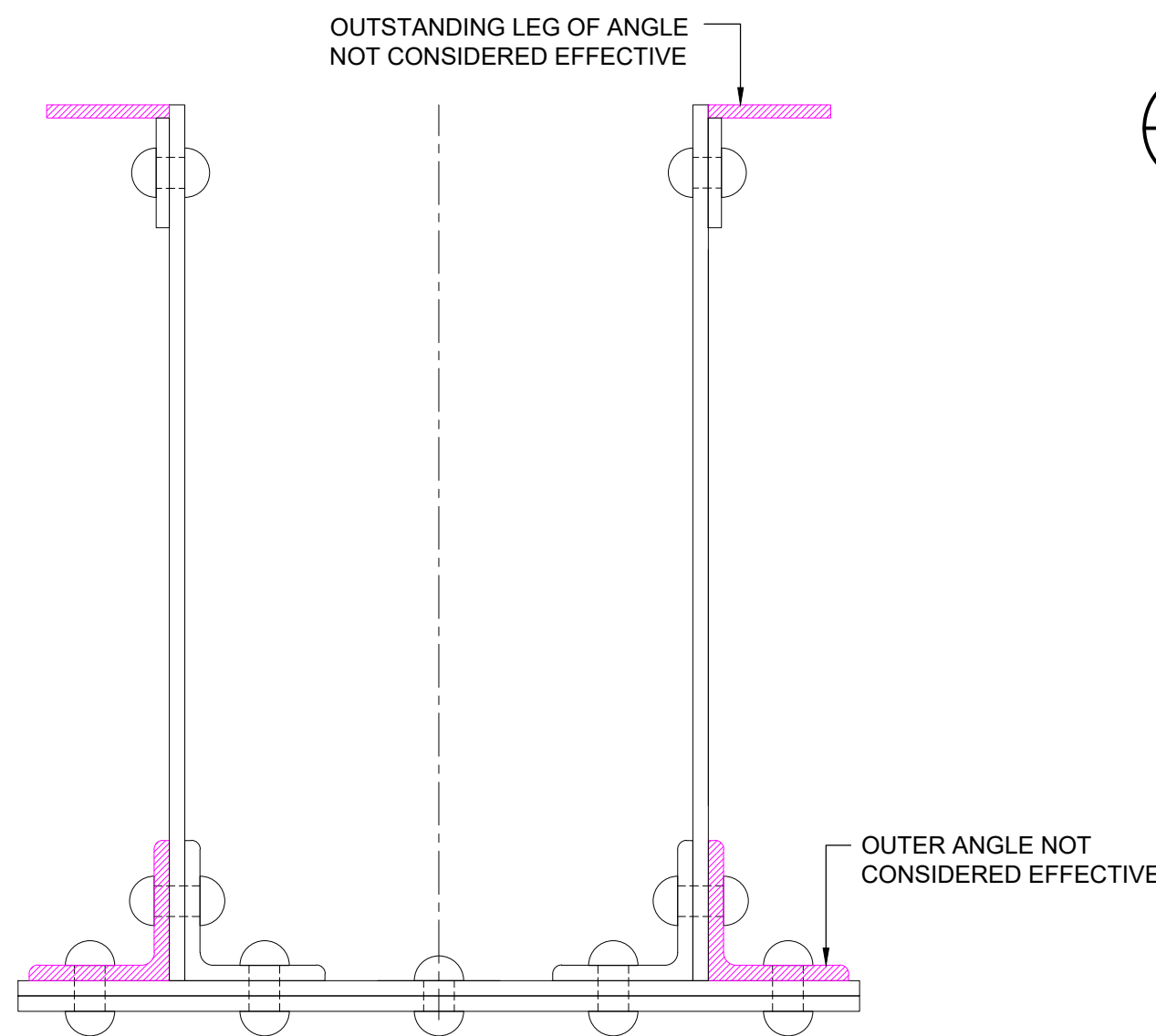
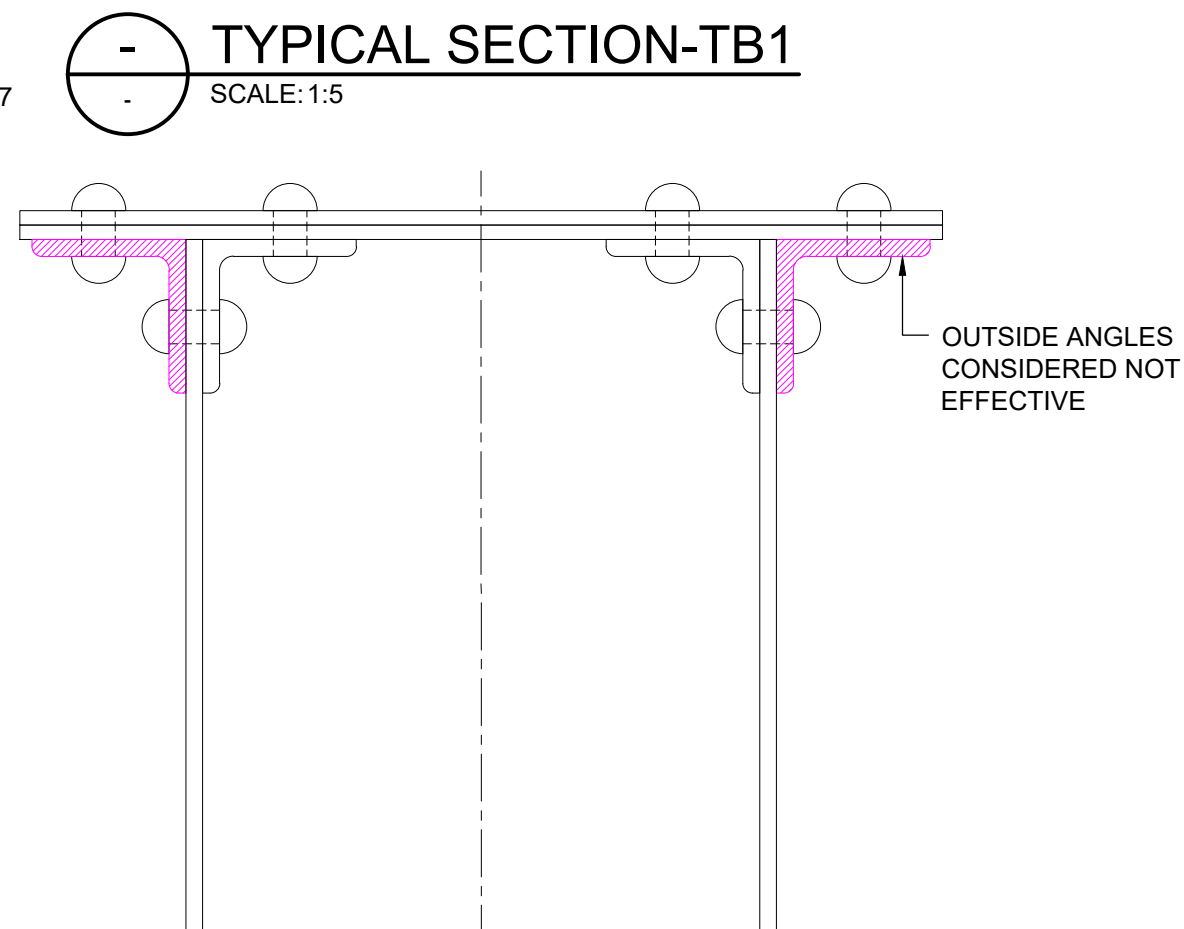
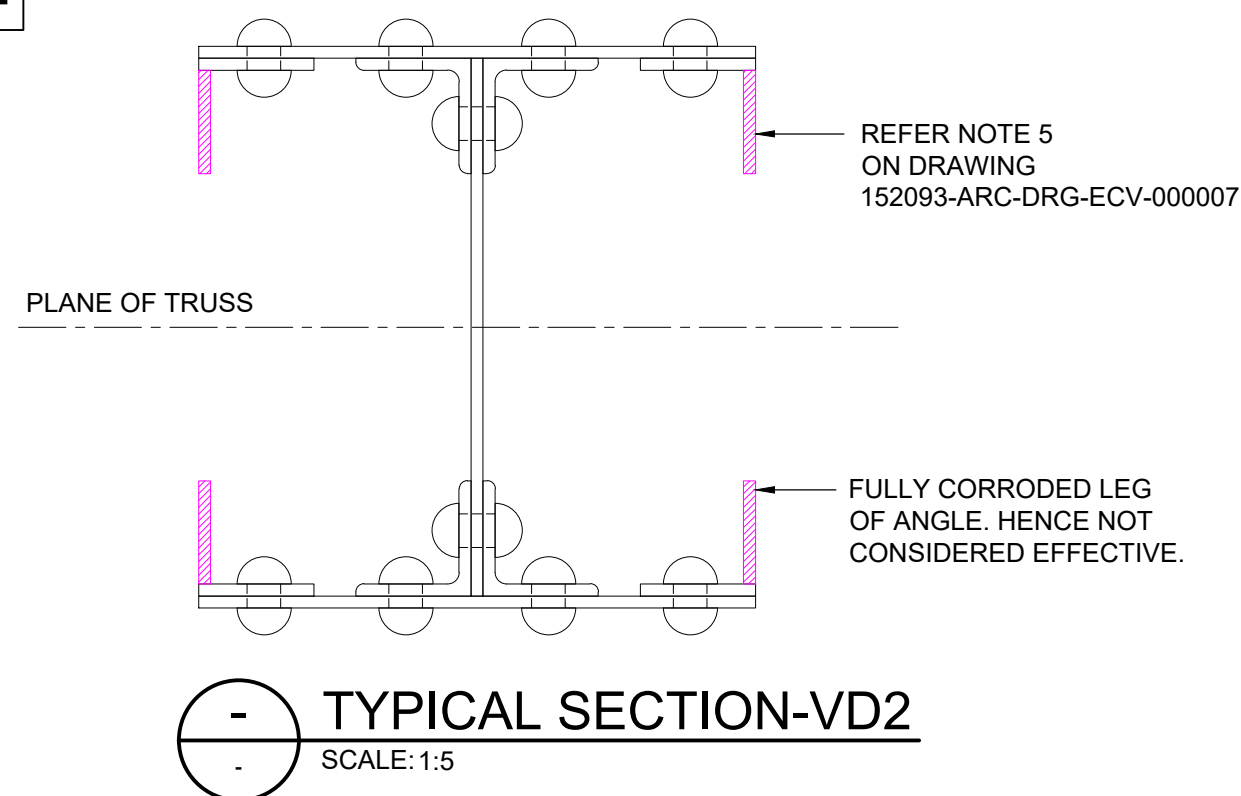
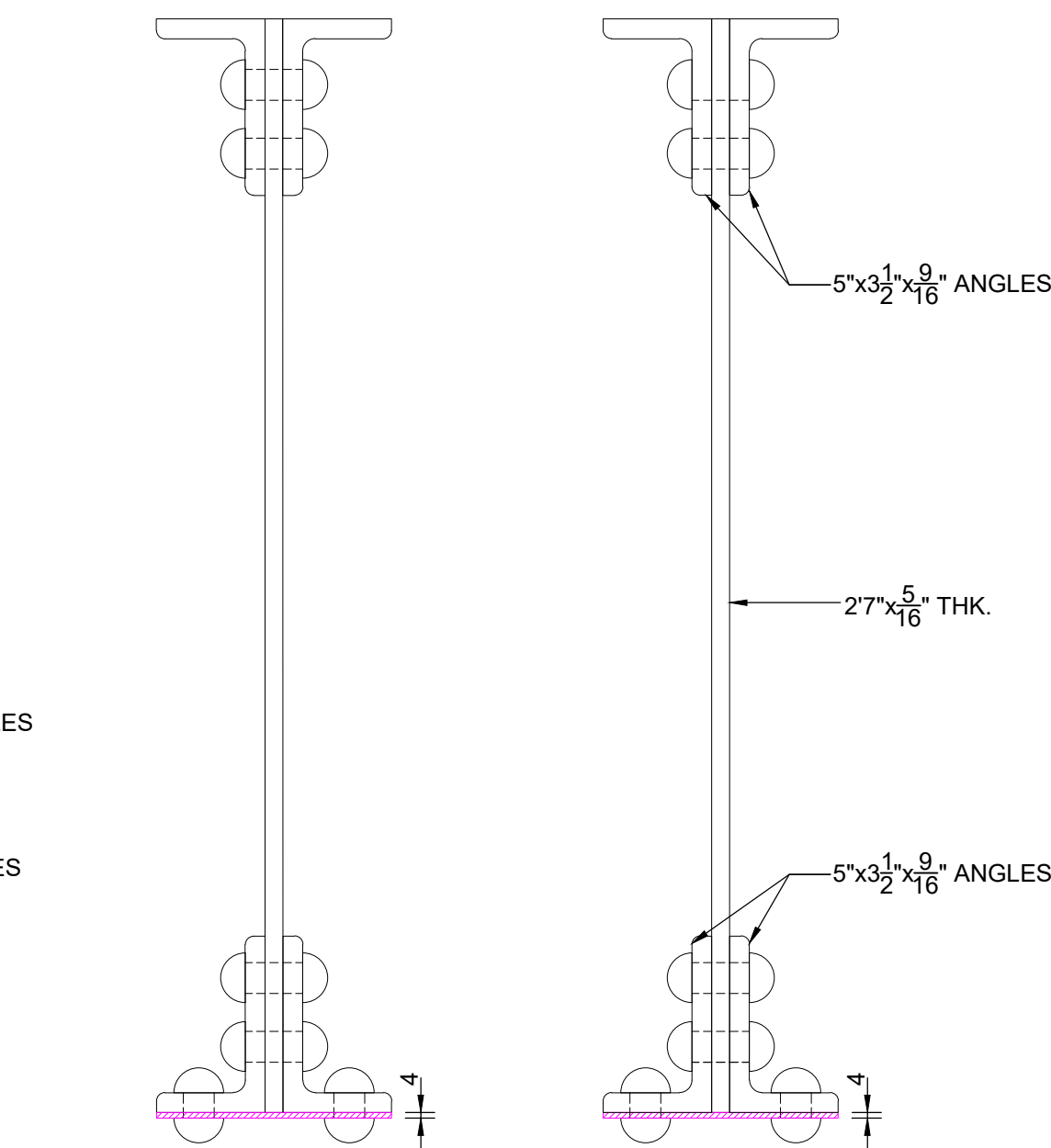
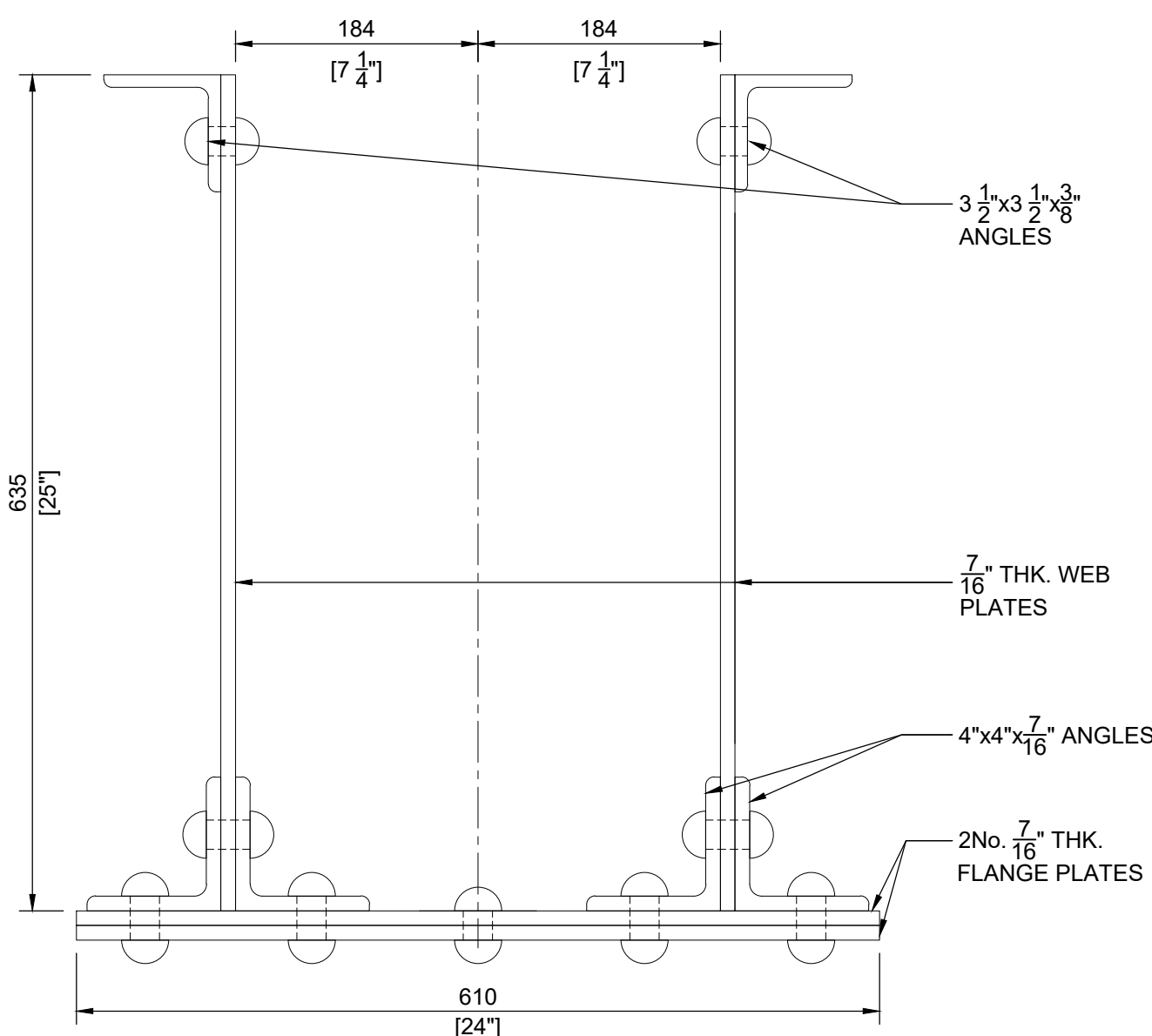
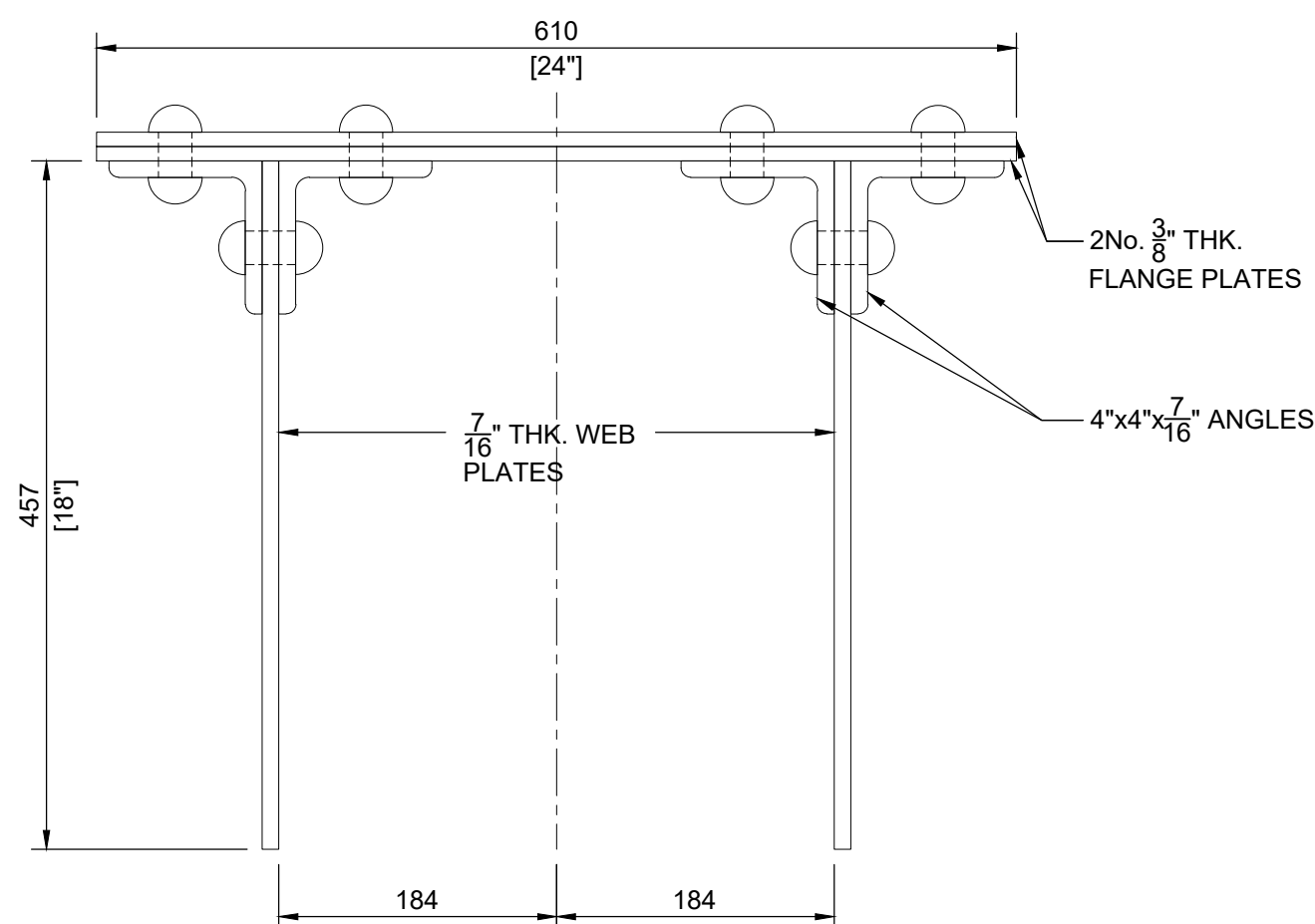
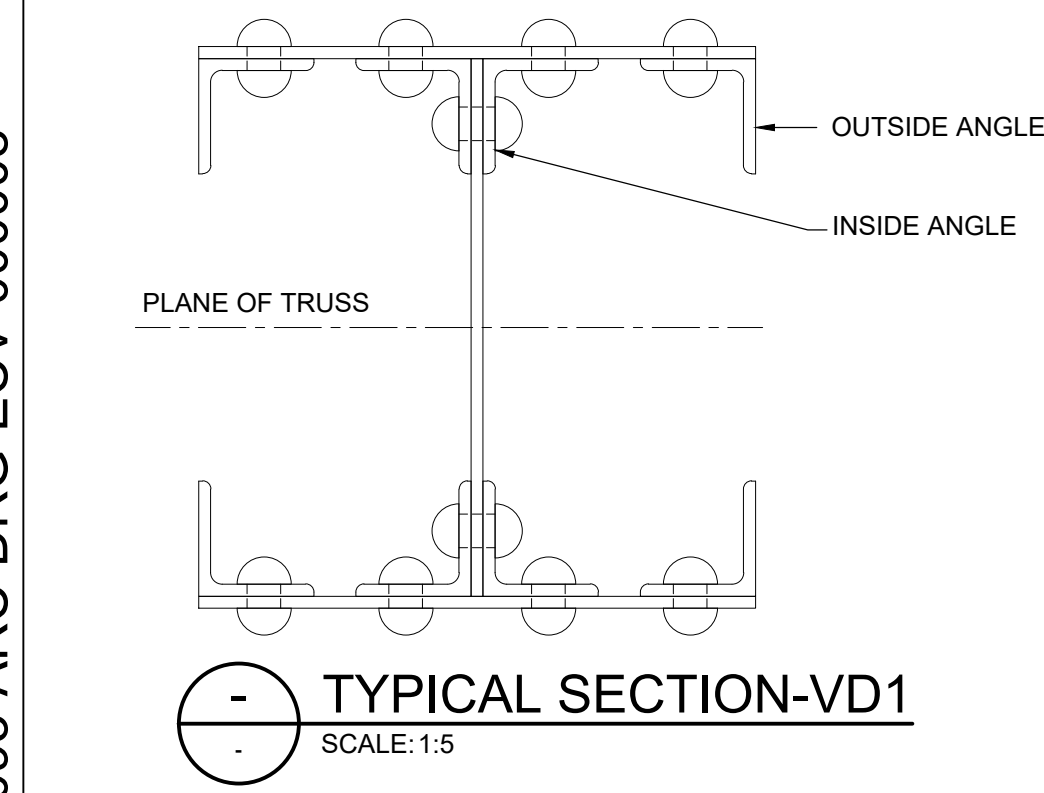




CROSS - SECTION OF SPECIAL RAIL BEARER (SRB) OVER ROLLER RING

TABLE 1 - DIMENSIONS OF VERTICAL & DIAGONAL MEMBERS (FULL SECTION)

MEMBER	FLANGE PLATE	ANGLES INSIDE	ANGLES OUTSIDE	WEB
4	2/ 14 1/2" x 5/16"	4/ 3 1/2" x 3 1/2" x 7/16"	4/ 3" x 3" x 5/16"	14" x 5/16"
6	2/ 15 1/2" x 5/16"	4/ 3 1/2" x 3 1/2" x 7/16"	4/ 3" x 3" x 5/16"	14" x 5/16"
8	2/ 16" x 3/8"	4/ 3 1/2" x 3 1/2" x 7/16"	4/ 3" x 3" x 5/16"	14" x 5/16"
10 & 13	2/ 16 1/2" x 3/8"	4/ 3 1/2" x 3 1/2" x 7/16"	4/ 3" x 3" x 3/8"	14" x 5/16"
15	2/ 16" x 3/8"	4/ 3 1/2" x 3 1/2" x 7/16"	4/ 3" x 3" x 3/8"	14" x 5/16"
17	2/ 15 1/2" x 5/16"	4/ 3 1/2" x 3 1/2" x 7/16"	4/ 3" x 3" x 5/16"	14" x 5/16"
19	2/ 14" x 5/16"	4/ 3 1/2" x 3 1/2" x 7/16"	4/ 3" x 3" x 3/8"	14" x 5/16"
21	2/ 14" x 5/16"	4/ 3 1/2" x 3 1/2" x 7/16"	4/ 3" x 3" x 3/8"	14" x 5/16"
MEMBER	FLANGE PLATE	ANGLES INSIDE	ANGLES OUTSIDE	WEB
3	2/ 14" x 5/16"	4/ 3" x 3" x 5/16"	4/ 3" x 3" x 5/16"	14" x 5/16"
5	2/ 14" x 5/16"	4/ 3" x 3" x 3/8"	4/ 3" x 3" x 5/16"	14" x 5/16"
7	2/ 15" x 5/16"	4/ 3" x 3" x 3/8"	4/ 3" x 3" x 3/8"	14" x 5/16"
9	2/ 16" x 7/16"	4/ 3" x 3" x 3/8"	4/ 3" x 3" x 5/16"	14" x 5/16"
11 & 12	2/ 16" x 3/8"	4/ 3" x 3" x 3/8"	-	14" x 5/16"
14	2/ 16" x 3/8"	4/ 3" x 3" x 3/8"	4/ 3" x 3" x 3/8"	14" x 5/16"
16	2/ 15 1/2" x 5/16"	4/ 3" x 3" x 3/8"	4/ 3" x 3" x 5/16"	14" x 5/16"
18	2/ 14" x 5/16"	4/ 3" x 3" x 3/8"	4/ 3" x 3" x 5/16"	14" x 5/16"
20	2/ 14 1/2" x 5/16"	4/ 3" x 3" x 3/8"	4/ 3" x 3" x 3/8"	14" x 5/16"

TABLE 2 - EFFECTIVE CROSS SECTION DETAILS FOR PRINCIPAL ELEMENTS OF TRUSS

SECTION	DESCRIPTION	LOSS TYPE	LOSS DESCRIPTION
VD1	VERTICAL / DIAGONAL - NO. 3 TO 10, 13 TO 21	L1	NO LOSS; FULL SECTION EFFECTIVE
VD2	VERTICAL / DIAGONAL - NO. 3 TO 10, 13 TO 21	L2	LOSS OF SECTION TO OUTSTANDING LEG OF OUTSIDE ANGLE
VD3	VERTICAL / DIAGONAL - NO. 3 TO 10, 13 TO 21	L3	3mm SECTION LOSS TO INSIDE ANGLES
D1	DIAGONALS 11 & 12	L4	NO LOSS; FULL SECTION EFFECTIVE
D2	DIAGONALS 11 & 12	L5	FULL SECTION LOSS TO ANGLES
TB1	TOP BOOM	L6	NO LOSS; FULL SECTION EFFECTIVE
TB2	TOP BOOM	L7	FULL LOSS OF SECTION TO OUTSIDE ANGLES
TB3	TOP BOOM	L8	LOSS OF SECTION TO WEB
BB1	BOTTOM BOOM	L9	NO LOSS; FULL SECTION EFFECTIVE
BB2	BOTTOM BOOM	L10	OUTSTANDING LEG OF TOP ANGLE NOT CONSIDERED EFFECTIVE. BOTH LEGS OF BOTTOM OUTER ANGLE NOT CONSIDERED EFFECTIVE.
SRB	SPECIAL RAIL BEARER	L11	LOSS OF SECTION TO SOFFIT OF RAIL BEARER - 4mm

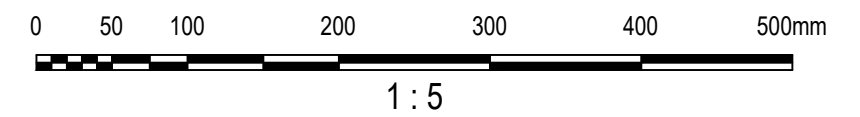
NOTE:- THE PRINCIPAL ELEMENTS HAVE BEEN MARKED ON TRUSS ELEVATION SHOWN IN DRAWING 152093-ARC-DRG-ECV-000009

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES AOD UNLESS NOTED OTHERWISE.
- DO NOT SCALE OFF THIS DRAWING, USE FIGURED DIMENSION ONLY.
- THIS DRAWING HAS BEEN PREPARED BASED ON NETWORK RAIL ARCHIVE DRAWING No. MF16279.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWINGS:
152093-ARC-DRG-ECV-000002,
152093-ARC-DRG-ECV-000003,
152093-ARC-DRG-ECV-000007 &
152093-ARC-DRG-ECV-000009.

LEGEND:-

PORTION OF CROSS SECTION WHICH IS NOT CONSIDERED TO PARTICIPATE IN RESISTING THE APPLIED ACTIONS



A03	24.04.2020	FOR FORM 001 REVIEW	K.S	B.K	J.L
A02	05.02.2020	FOR FORM BA REVIEW	D.K	B.K	J.L
A01	29.01.2019	FOR FORM AA REVIEW	D.K	B.K	J.L
Rev	Date	Description of Revisions	Drawn	Chkd	Appr
Status					Suitability

FOR FORM 001 REVIEW

S3



Contractor(s):



Project:

RIVER NEATH SWING
BRIDGE GRIP 4

Drawing Title:

TRUSS DEFECTS (SPAN 4)
(SHEET 2 OF 3)

Designed	S. ALURU	Signed	S.A	Date	24.04.2020
Drawn	K. SRILEKHA	Signed	K.S	Date	24.04.2020
Checked	B. KING	Signed	B.K	Date	24.04.2020
Approved	J. LYNN	Signed	J.L	Date	24.04.2020

Scale(s): AS SHOWN @ A1 SDI1 207m 63ch

Alternative Reference 152093

Drawing Number 152093-ARC-DRG-ECV-000008

Sheet 2 of 3

Revision A03