

SECTION A-A
Do not place studs on splice plates.

GIRDER DIMENSIONS

Girder	A	B	C
12	295'-0 ³ / ₁₆ "	135'-0 ³ / ₁₆ "	70'-0 ³ / ₁₆ "
11	292'-0 ⁰ / ₈ "	132'-0 ⁰ / ₈ "	67'-0 ⁰ / ₈ "
10	288'-11 ¹ / ₁₆ "	128'-11 ¹ / ₁₆ "	63'-11 ¹ / ₁₆ "
9	285'-10 ³ / ₄ "	125'-10 ³ / ₄ "	60'-10 ³ / ₄ "
8	282'-10 ¹ / ₁₆ "	122'-10 ¹ / ₁₆ "	57'-10 ¹ / ₁₆ "
7	279'-9 ³ / ₈ "	119'-9 ³ / ₈ "	54'-9 ³ / ₈ "
6	276'-8 ⁵ / ₈ "	116'-8 ⁵ / ₈ "	51'-8 ⁵ / ₈ "
5	273'-7 ¹⁵ / ₁₆ "	113'-7 ¹⁵ / ₁₆ "	48'-7 ¹⁵ / ₁₆ "
4	270'-7 ¹ / ₄ "	110'-7 ¹ / ₄ "	45'-7 ¹ / ₄ "
3	267'-6 ⁹ / ₁₆ "	107'-6 ⁹ / ₁₆ "	42'-6 ⁹ / ₁₆ "
2	264'-5 ⁷ / ₈ "	104'-5 ⁷ / ₈ "	39'-5 ⁷ / ₈ "
1	261'-5 ³ / ₁₆ "	101'-5 ³ / ₁₆ "	36'-5 ³ / ₁₆ "

DIAPHRAGM SPACING

Girder	D	E
11-12	22'-10"	68'-6"
10-11	21'-10"	65'-6"
9-10	20'-10"	62'-6"
8-9	19'-9"	59'-3"
7-8	18'-9"	56'-3"
6-7	17'-9"	53'-3"
5-6	16'-9"	50'-3"
4-5	15'-9"	47'-3"
3-4	14'-8"	44'-0"
2-3	13'-8"	41'-0"
1-2	12'-8"	38'-0"

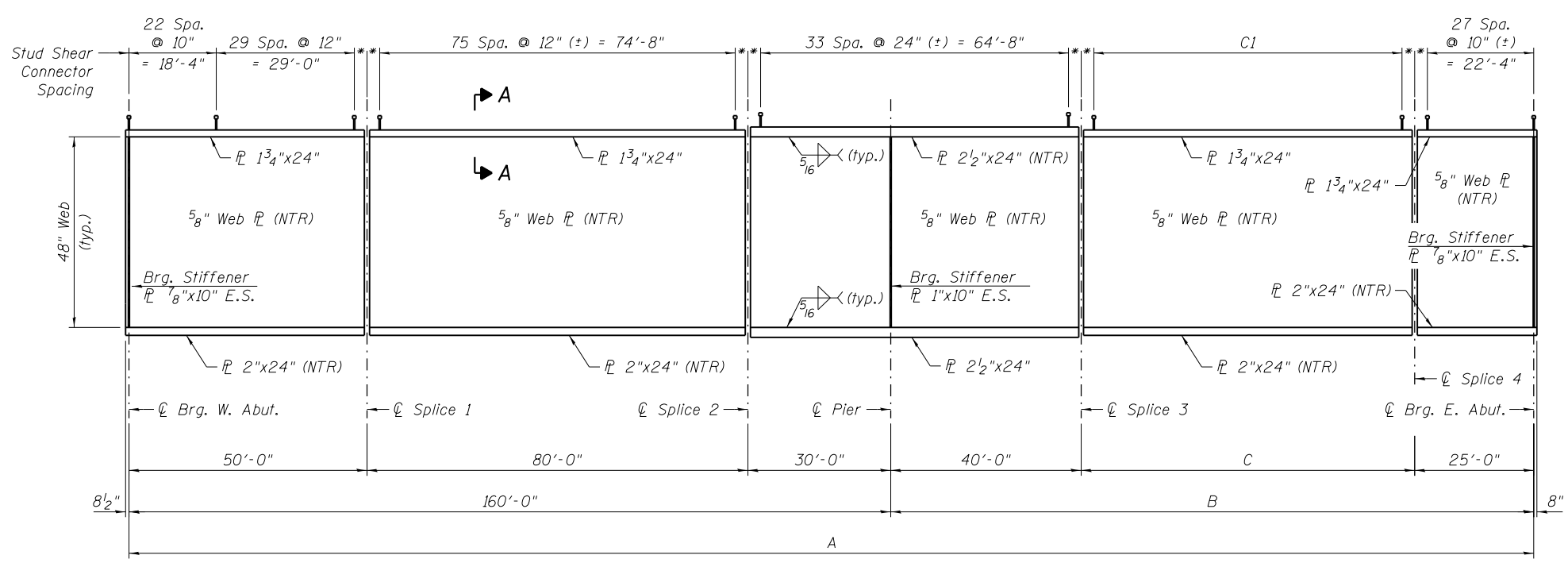
SHEAR CONNECTOR SCHEDULE

Girder	C1
12	65 Spa. @ 12" (±) = 64'-8 ³ / ₁₆ "
11	62 Spa. @ 12" (±) = 61'-8 ⁰ / ₈ "
10	59 Spa. @ 12" (±) = 58'-7 ¹ / ₁₆ "
9	56 Spa. @ 12" (±) = 55'-6 ³ / ₄ "
8	53 Spa. @ 12" (±) = 52'-6 ¹ / ₁₆ "
7	50 Spa. @ 12" (±) = 49'-5 ³ / ₈ "
6	47 Spa. @ 12" (±) = 46'-4 ⁵ / ₈ "
5	44 Spa. @ 12" (±) = 43'-3 ¹⁵ / ₁₆ "
4	41 Spa. @ 12" (±) = 40'-3 ¹ / ₄ "
3	38 Spa. @ 12" (±) = 37'-2 ⁹ / ₁₆ "
2	35 Spa. @ 12" (±) = 34'-1 ⁷ / ₈ "
1	32 Spa. @ 12" (±) = 31'-1 ³ / ₁₆ "

* = 2'-8"

NOTES:

- All structural steel shall be AASHTO M270 Grade 50 - galvanized.
- Load carrying components designated "NTR" shall conform to the Impact Testing Requirement, Zone 2.
- Girders have bearing stiffeners and connection plates as required by design. Additional stiffeners may be added at the Contractor's expense as necessary to prevent distortion of the girders during galvanizing. The Contractor shall coordinate with the fabricator and the galvanizer to determine if additional stiffeners are necessary, and where these should be placed. Any proposed changes shall be submitted to the Engineer for approval prior to making any changes.
- Temporary stiffener angles shall be bolted to each side of the splice ends of each girder segment to prevent distortion during galvanizing. Temporary stiffener angles shall bolt or fit tight against top & bottom flanges and include spacer tubes to minimize damage to galvanizing during removal. Cost included with Furnishing and Erecting Structural Steel.
- E.S. = Each Side
- Work this sheet with sheets S1-29 thru S1-31.



GIRDER ELEVATION

0161713-60W26-S28-FramePlan



USER NAME = dunkerleyb	DESIGNED - EJO	REVISED
PLOT SCALE = N.T.S.	CHECKED - ATB	REVISED
PLOT DATE = 9/15/2013	DRAWN - BRD	REVISED
	CHECKED - EJO	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GIRDER FRAMING PLAN
STRUCTURE NO. 016-1713**

SHEET NO. S1-28 OF S1-48 SHEETS

F.A.I. RTE. 90/94/290	SECTION 2013-00BR	COUNTY COOK	TOTAL SHEETS 559	SHEET NO. 278
CONTRACT NO. 60W26			ILLINOIS FED. AID PROJECT	