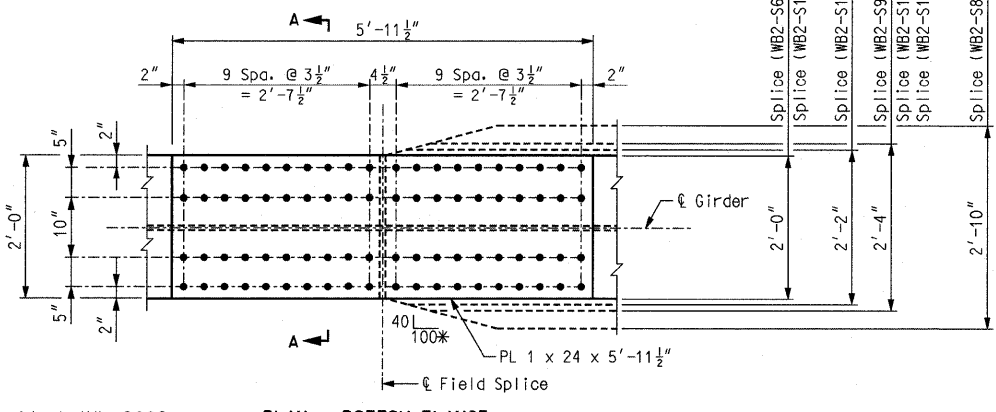
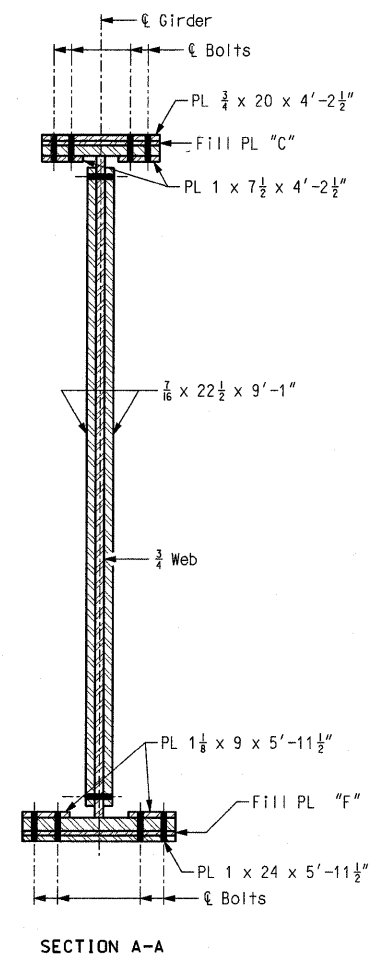
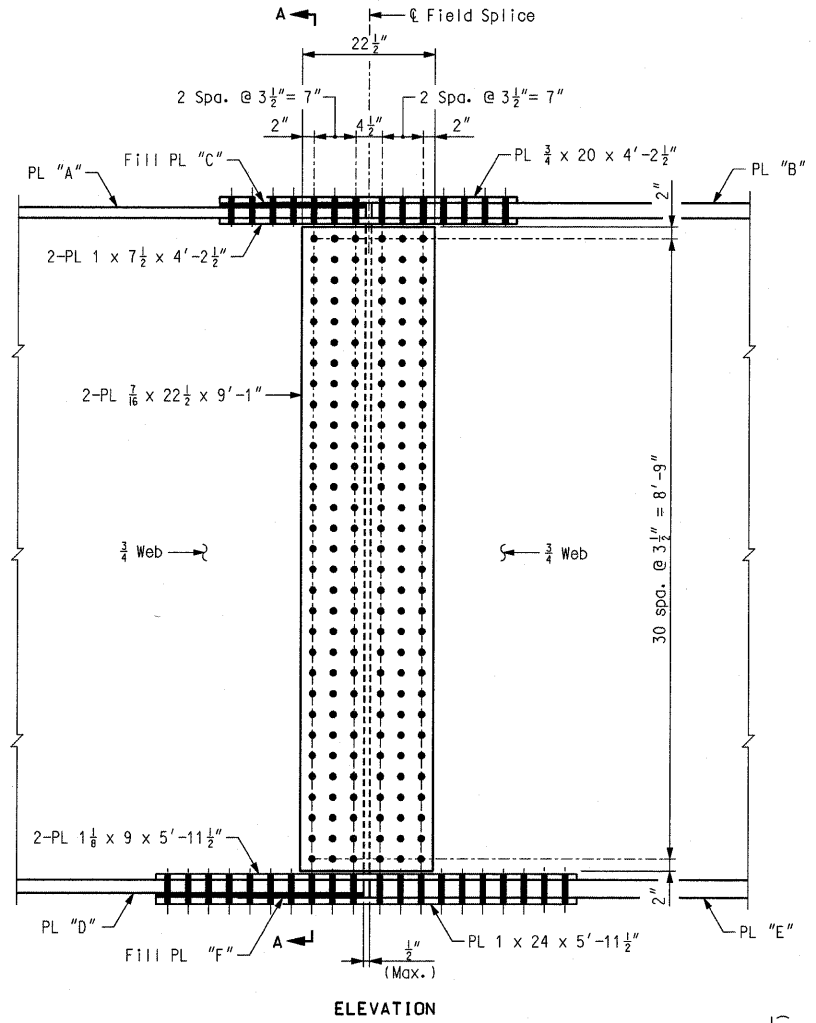
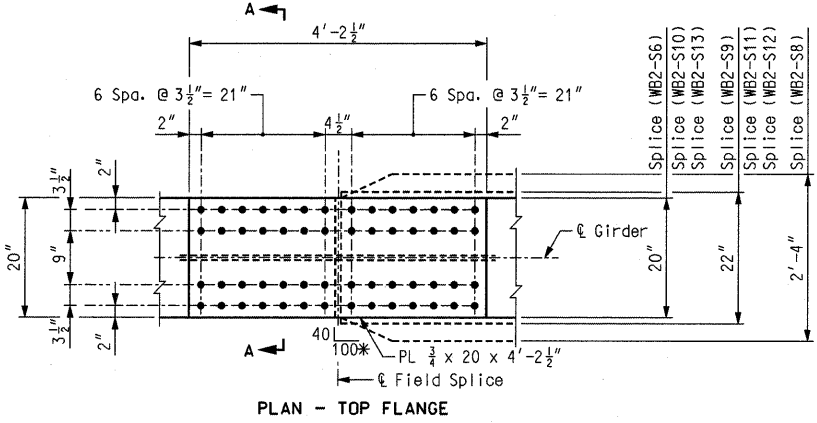


TABLE OF DIMENSIONS - FIELD SPLICE

Splice	Top Flange			Bottom Flange		
	PL "A"	PL "B"	FILL PL "C"	PL "D"	PL "E"	FILL PL "F"
(WB2-S6)	1 1/4 x 20	1 1/4 x 20	-	1 1/4 x 24	2 x 24	3/4 x 24 x 2'-11 1/2"
(WB2-S8)	1 1/4 x 20	2 x 28	3/4 x 20 x 2'-1"	1 1/4 x 24	2 x 34	3/4 x 24 x 2'-11 1/2"
(WB2-S9)	1 1/4 x 20	2 x 22	3/4 x 20 x 2'-1"	1 1/2 x 24	2 x 28	1/2 x 24 x 2'-11 1/2"
(WB2-S10)	1 x 20	2 x 20	1 x 20 x 2'-1"	1 1/2 x 24	2 x 26	1/2 x 24 x 2'-11 1/2"
(WB2-S11)	1 x 20	1 x 22	-	1 1/2 x 24	1 1/4 x 28	1/4 x 24 x 2'-11 1/2" **
(WB2-S12)	1 x 20	1 x 22	-	1 1/2 x 24	1 1/4 x 28	1/4 x 24 x 2'-11 1/2" **
(WB2-S13)	1 x 20	1 1/4 x 20	1/4 x 20 x 2'-1"	1 1/2 x 24	2 x 24	1/2 x 24 x 2'-11 1/2"



FIELD SPLICE (WB2-S6), (WB2-S8), (WB2-S9), (WB2-S10), (WB2-S11), (WB2-S12), & (WB2-S13)

Notes:
 Use 1" Ø A325 high strength bolts with 1 1/16" Ø holes.
 Faying surfaces shall be in accordance with Sec. 1080.4 for weathering steel and Sec. 1081 for surface preparation.
 All splice plates except fill plates shall be subject to notch toughness requirements.
 Fabricated structural steel for splice plates and fill plates shall be ASTM A709 Grade 50W.
 For location of field splices, see Sheet Nos. 58 thru 60.
 * When width of flanges being spliced differs by more than 2", the larger flange shall be beveled as indicated.
 ** Fill PL "F" placed with PL "E" at Splice (WB2-S11) and Splice (WB2-S12).

Detailed JUL 2009
 Checked JUL 2009

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 83 of 152

BOLTED FIELD SPLICE DETAILS - WB UNIT 2 (2 OF 2)

ILLINOIS APPROACH STRUCTURE FOR NEW I-70 MISSISSIPPI RIVER BRIDGE

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

HNTB
 715 KIRK DRIVE
 KANSAS CITY, MO 64105
 TELEPHONE (816) 472-1201
 CERTIFICATE OF AUTHORITY NO. 001270

CMT
 CRANFORD, MURPHY & TILLY, INC.
 2750 WEST WASHINGTON STREET
 SPRINGFIELD, IL 62702
 TELEPHONE (217) 787-8050
 ENGINEERING CORPORATION - 000631