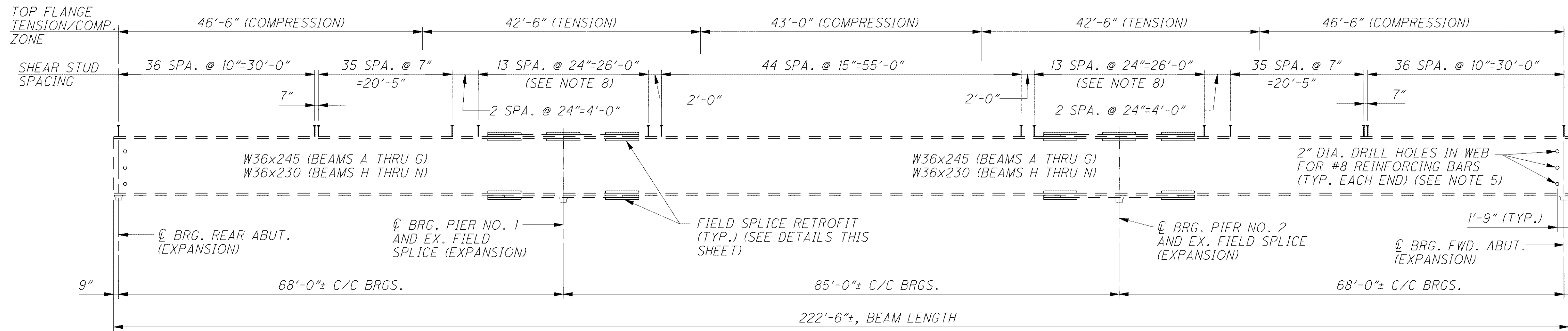


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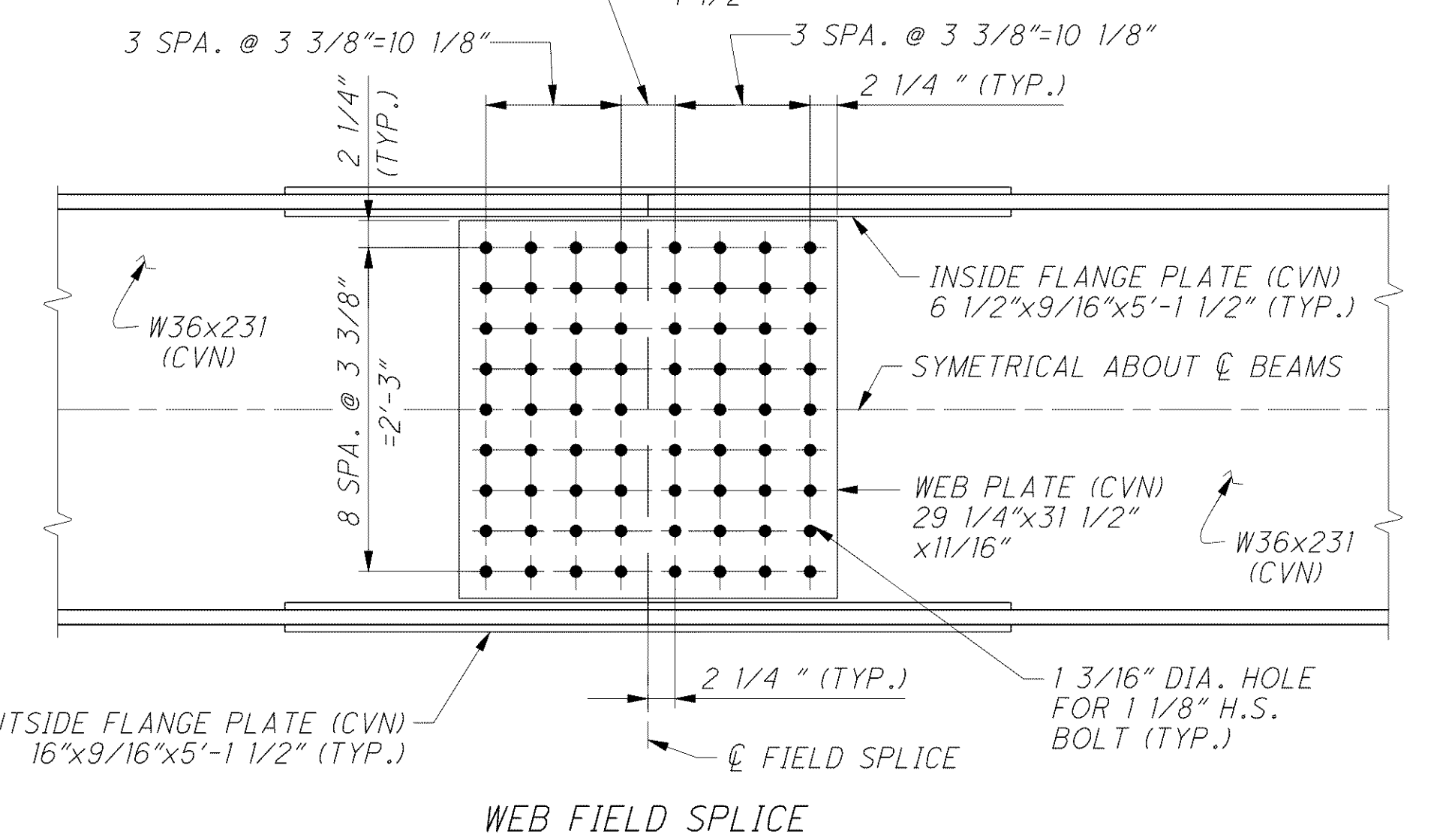
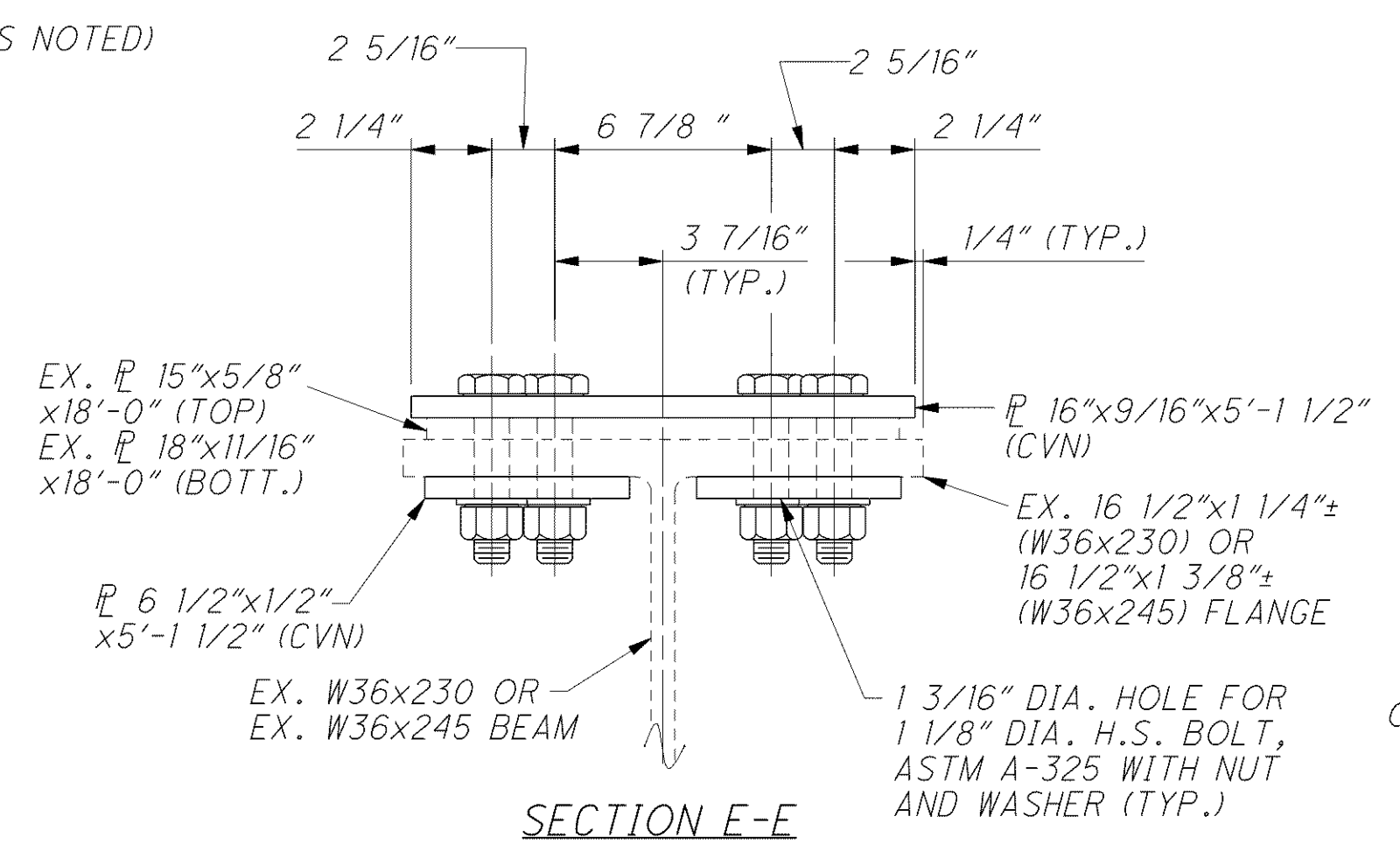
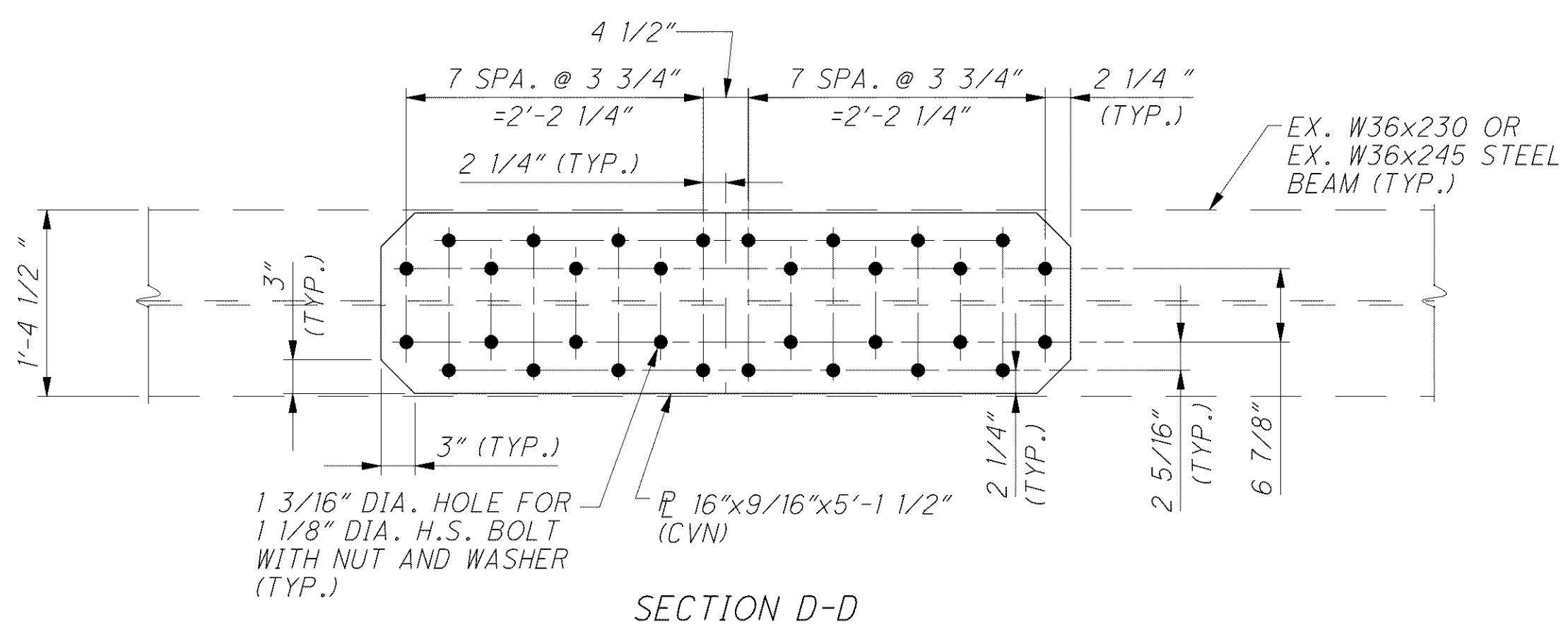
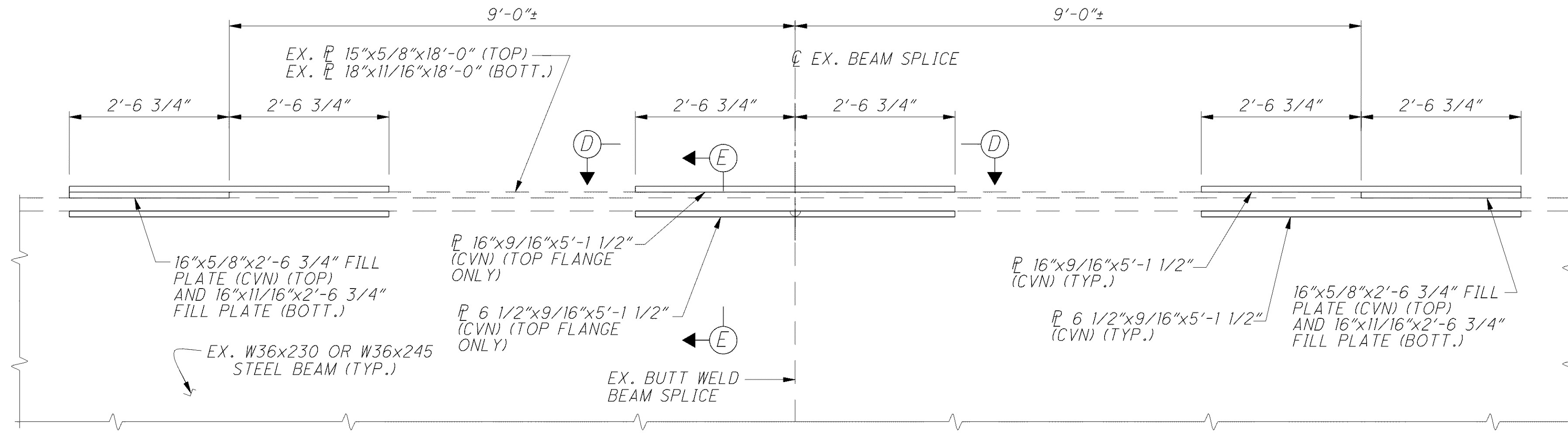
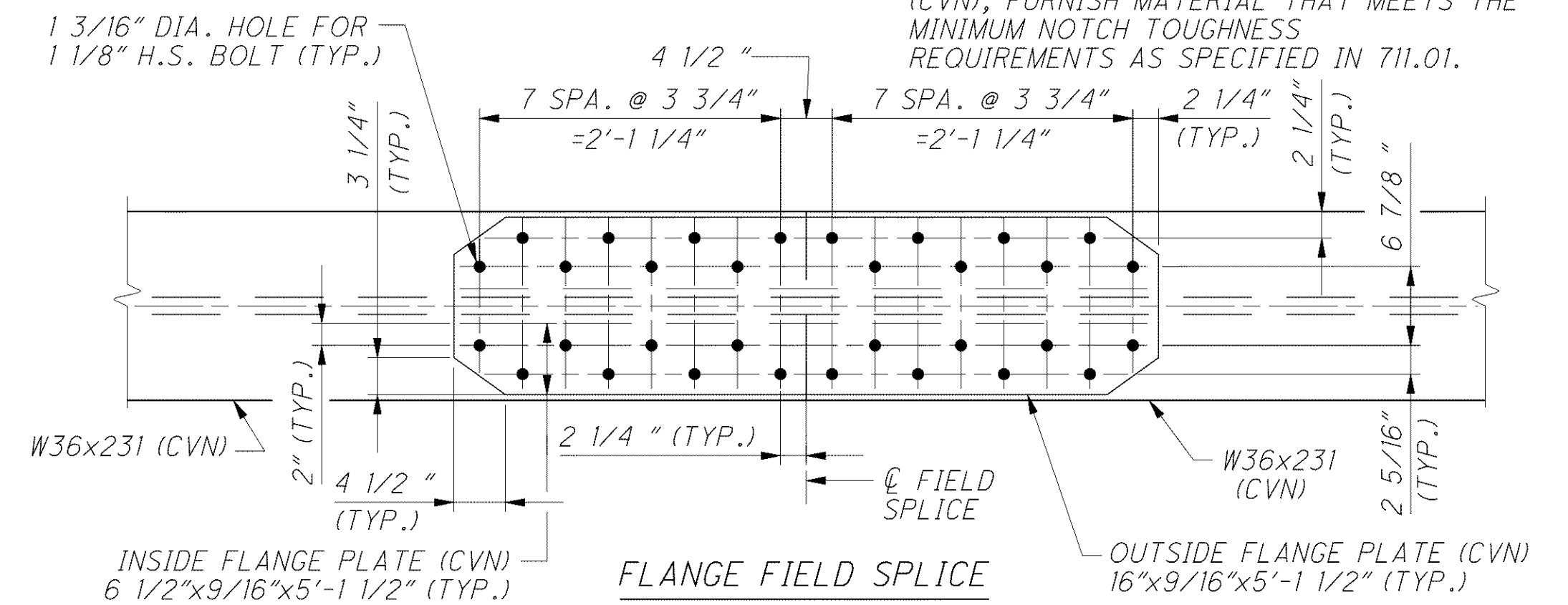
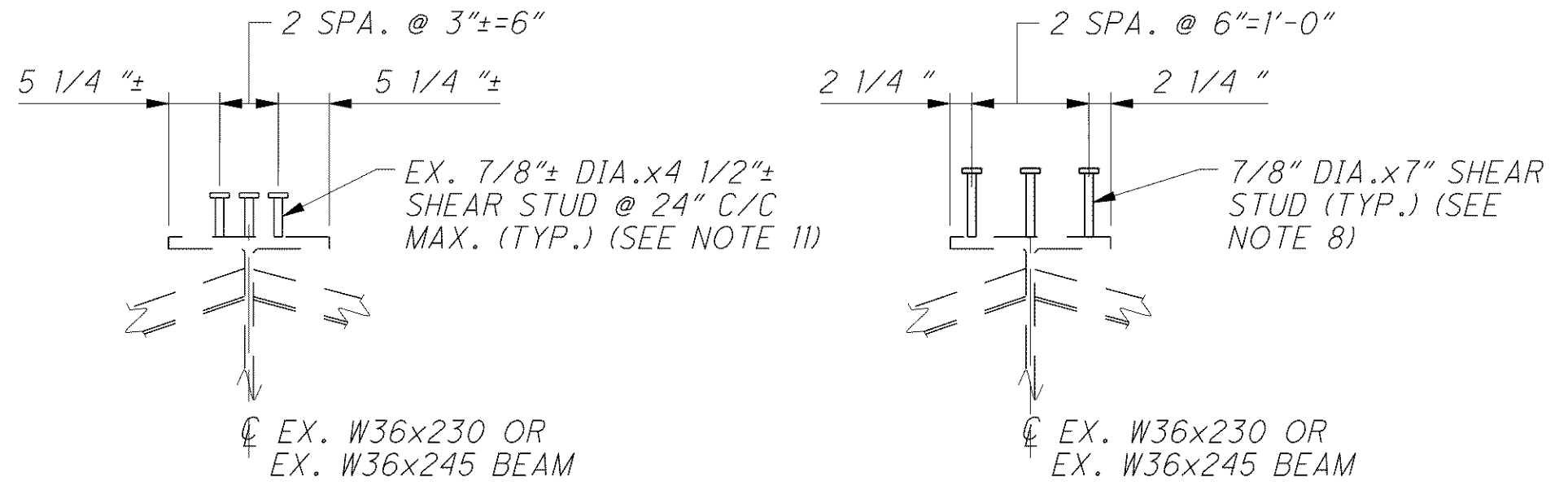


NOTE:  
ALL DIMENSIONS MEASURED  
ALONG CENTERLINE OF BEAM.

**NOTES**

1. FOR LEGEND OF ABBREVIATIONS SEE SHEET 4/56.
2. FOR BEARING DETAILS SEE SHEET 28/56.
3. FOR FRAMING PLANS AND OTHER BEAM ELEVATIONS FOR THE LEFT AND RIGHT STRUCTURES SEE SHEETS 29/56 THRU 31/56.
4. BOLTS SHALL BE 1 1/8" DIAMETER A325 HIGH STRENGTH TYPE III UNLESS OTHERWISE NOTED.
5. THE 2" DIAMETER HOLES IN THE EXISTING BEAM WEB AND THE 1" DIAMETER VENT HOLES IN EXISTING BEAM FLANGE, SHALL BE FIELD DRILLED. FLAME CUTTING OF HOLES IS NOT PERMITTED. FIELD DRILLING SHALL BE INCLUDED WITH ITEM 202, PORTIONS OF STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLAN FOR PAYMENT.
6. ALL STRUCTURAL STEEL INCLUDING WEB AND FLANGE SPLICE PLATES SHALL BE ASTM A-709, GRADE 50.
7. FOR DEFLECTION AND CAMBER TABLES, AND DIAGRAM SEE SHEET 33/56 AND 34/56.
8. SHEAR STUD LOCATIONS SHALL BE ADJUSTED AS NECESSARY TO AVOID INTERFERENCE WITH SPLICE PLATES, BOLT LOCATIONS AND EXISTING SHEAR STUDS.
9. WHERE A SHAPE OR PLATE IS DESIGNATED (CVN), FURNISH MATERIAL THAT MEETS THE MINIMUM NOTCH TOUGHNESS REQUIREMENTS AS SPECIFIED IN 711.01.

10. WELD ATTACHMENT OF SUPPORTS FOR CONCRETE DECK FINISHING MACHINE TO AREAS OF THE STRINGER FLANGES DESIGNATED "COMPRESSION". DO NOT WELD ATTACHMENTS TO AREAS DESIGNATED "TENSION". FILLET WELDS TO COMPRESSION FLANGES SHALL BE AT LEAST 1" FROM THE EDGE OF THE FLANGE, BE NO MORE THAN 2" LONG, AND AT LEAST 1/4" FOR THICKNESSES UP TO 3/4" OR 5/16" FOR GREATER THAN 3/4" THICK.
11. EXISTING SHEAR STUDS ATTACHED TO THE EXISTING BEAMS SHALL BE REMOVED AS NECESSARY TO ACCOMMODATE THE FLANGE PLATE RETROFIT. ANY REMAINING WELD SHALL BE GROUND SMOOTH WITH FLANGE.



	DESIGN AGENCY ARCADIS U.S., Inc. 100 Superior Avenue, Suite 1250 Cleveland, Ohio 44114 Tel: 216-781-6777 Fax: 216-781-6243 www.arcadis-us.com	DATE 12/07	REVISION RBB	DRAWN CAF	CHECKED CSD	STRUCTURE FILE NUMBER 4300150 (L) 4300185 (R)
BRIDGE NO. LAK-2-0530 L&R STATE ROUTE 2 OVER CHAGRIN RIVER						
FRAMING DETAILS						
LAK-2-3.32 PID 13486						
32/56 1494 1679						