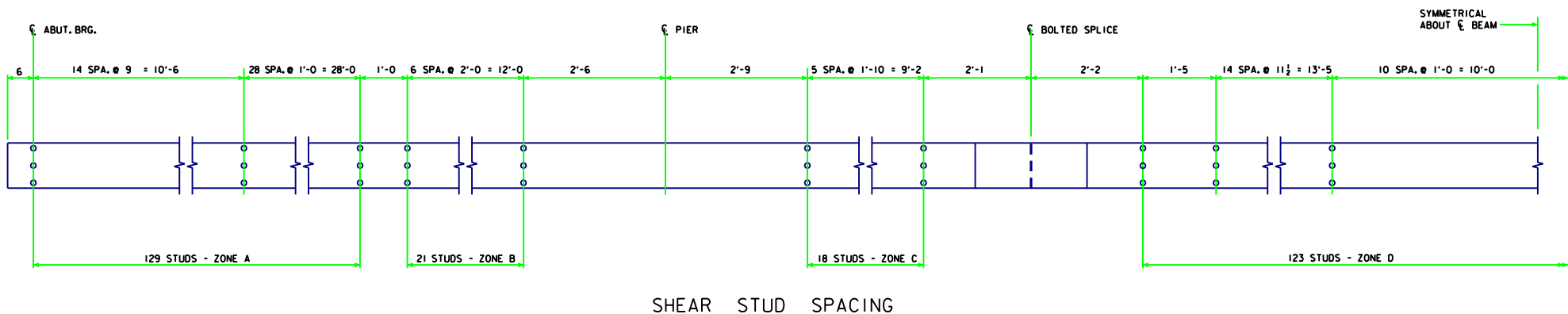
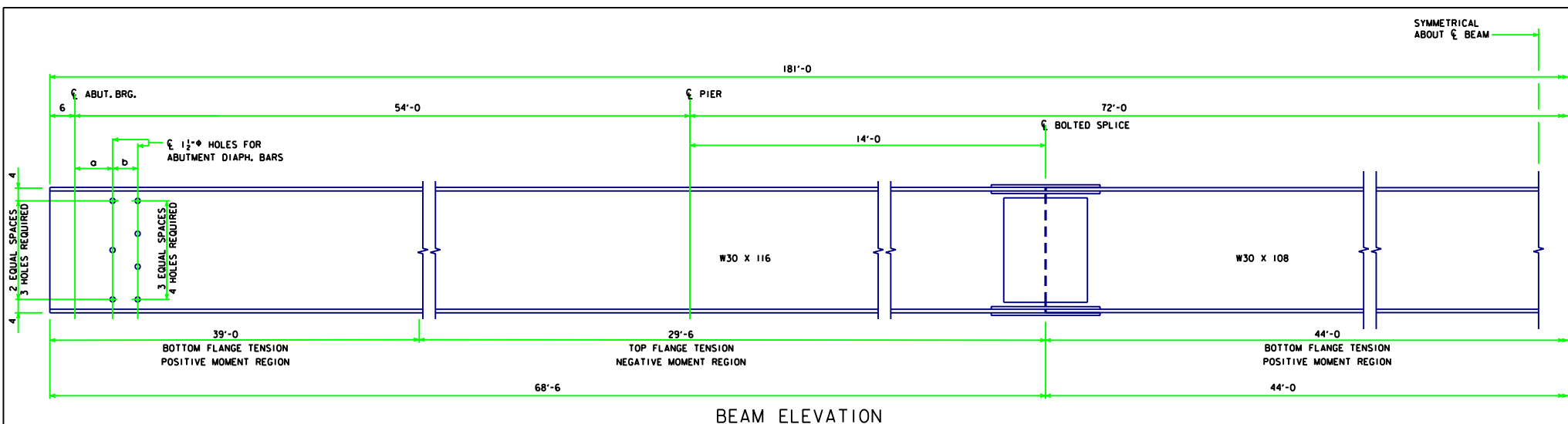
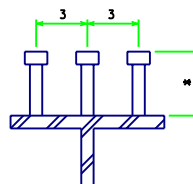


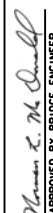


* NOTE: STUD HEIGHTS (3 1/2" OR 5") FOR THE LOCATIONS SHOWN SHALL BE DETERMINED BY THE DESIGNER. ON "MISCELLANEOUS DETAILS 180'-0" BRIDGE" SHEET, STUD HEIGHTS CAN BE IDENTIFIED BY THE DESIGNER IN A TABLE CORRESPONDING TO THE ZONES LISTED ON THIS SHEET.



3 STUDS PER ROW
SHEAR STUD DETAILS
NOTE: ALL STUDS TO BE 3/4"

SKIEW	a (IN)	b (IN)
0°	9	6
10°	9 1/4	6 1/4
20°	9 1/2	6 1/2
30°	10 1/4	6 3/4

LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	 Iowa Department of Transportation Highway Division	
		STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES ROLLED STEEL BEAM BRIDGES FEBRUARY, 2004	
		BEAM PLAN AND ELEVATION 180'-0" BRIDGE	RS40-55-04