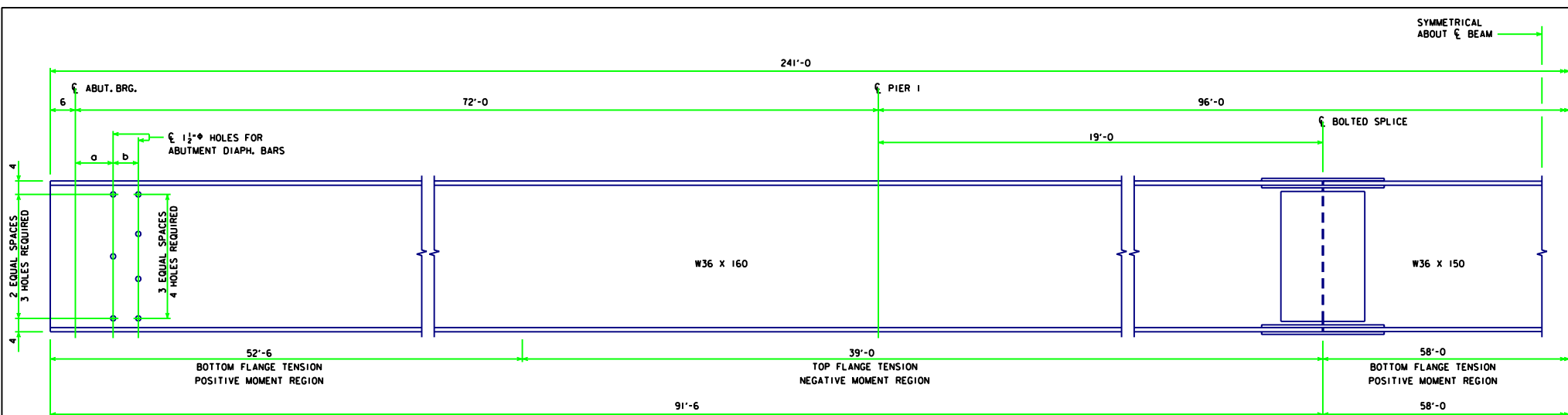
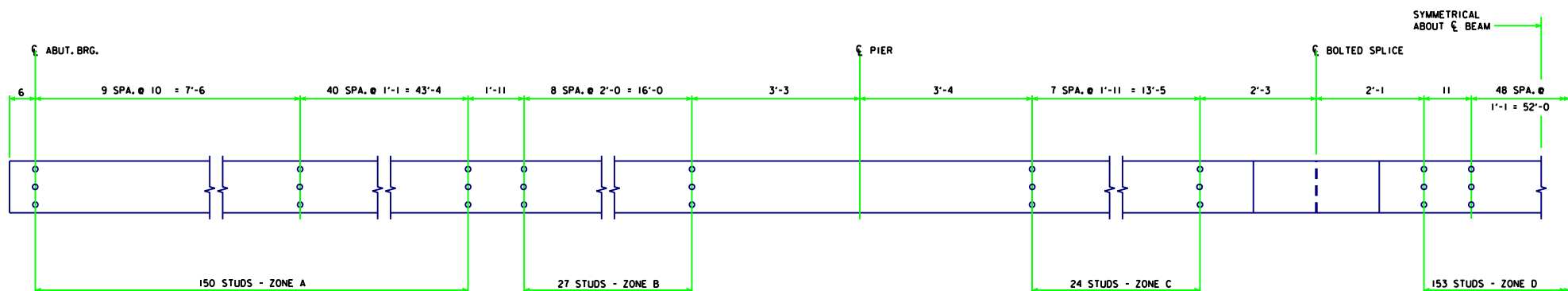


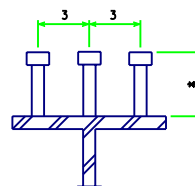


BEAM ELEVATION



SHEAR STUD SPACING

* NOTE: STUD HEIGHTS (3 $\frac{1}{2}$ " OR 5") FOR THE LOCATIONS SHOWN SHALL BE DETERMINED BY THE DESIGNER. ON "MISCELLANEOUS DETAILS 240'-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 $\frac{7}{8}\phi$

SKEW	a (IN)	b (IN)
0°	9	6
10°	9 $\frac{1}{8}$	6 $\frac{1}{8}$
20°	9 $\frac{3}{8}$	6 $\frac{3}{8}$
30°	10 $\frac{3}{8}$	6 $\frac{7}{8}$

07-06
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
240'-0 BRIDGE

RS40-58-04