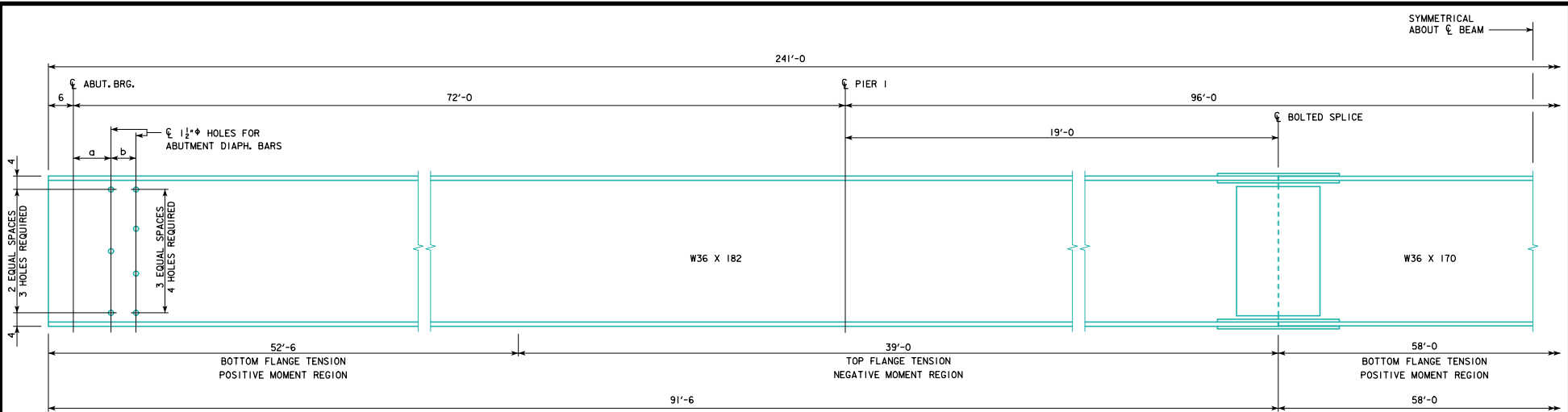
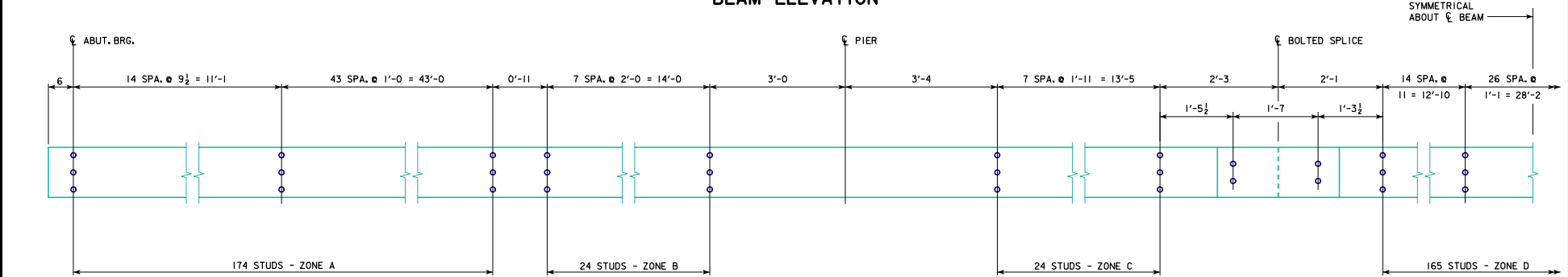


REVISED 02-14 - A STUD HEIGHT OF 4" WAS ADDED TO THE \* NOTE.  
 REVISED 10-2016 - ADDED 4 SHEAR STUDS AT "CENTERLINE OF BOLTED SPLICE" LOCATION BETWEEN "ZONE C & D". ADDED "SHEAR STUD ON SPLICE PLATE DETAILS" SHOWING 2 STUDS PER ROW.

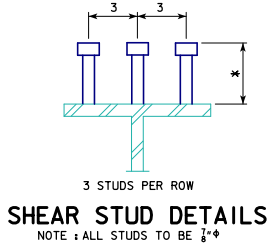
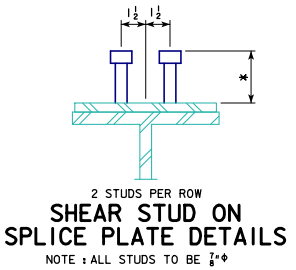


**BEAM ELEVATION**



**SHEAR STUD SPACING**

\* NOTE: STUD HEIGHTS (3 1/2\", 4\" 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.



SKEW	a (IN)	b (IN)
0°	9	6
10°	9 1/2	6 1/2
20°	9 5/8	6 3/8
30°	10 3/8	6 1/4
45°	12 1/4	8 1/2

10-2016  
LATEST REVISION DATE

*Norman E. McQuinn*  
APPROVED BY BRIDGE ENGINEER

**IOWADOT** Highway Division  
STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES  
**ROLLED STEEL BEAM BRIDGES**  
JUNE, 2010

**BEAM PLAN AND ELEVATION**  
240'-0 BRIDGE

**RS40-075-10**