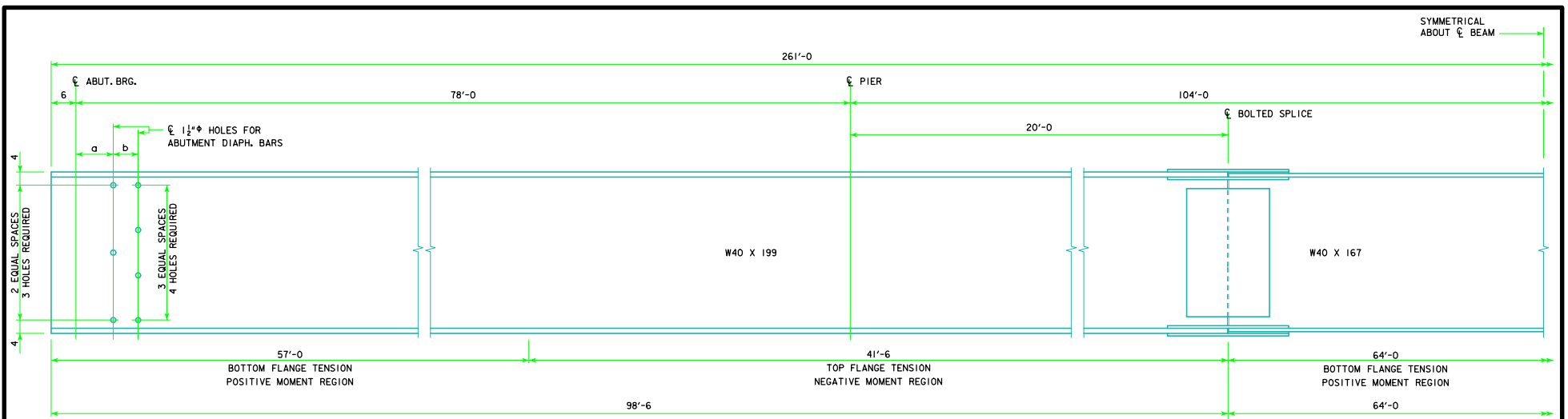
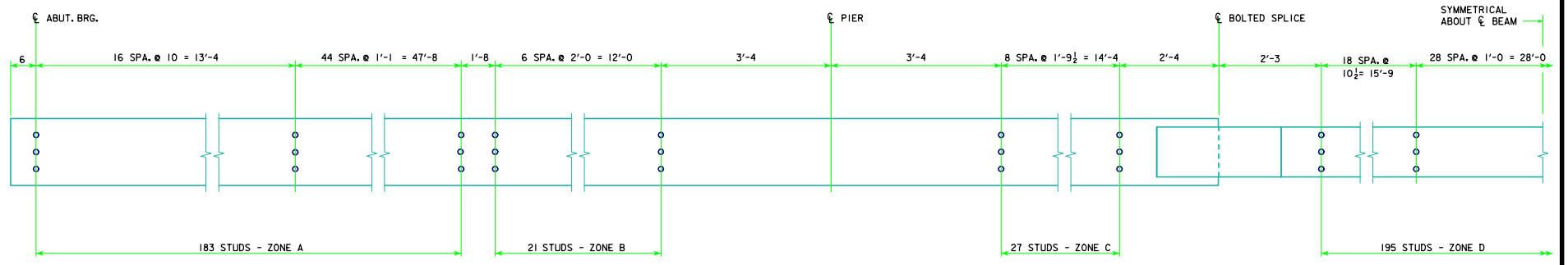


REVISED 02-14 - A STUD HEIGHT OF 4" WAS ADDED TO THE * NOTE.

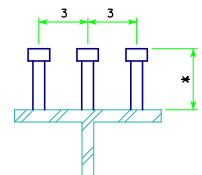


BEAM ELEVATION



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 260'-0 BRIDGE" SHEET, STUD HEIGHTS CAN BE IDENTIFIED BY THE DESIGNER IN A TABLE CORRESPONDING TO THE ZONES LISTED ON THIS SHEET.



SHEAR STUD DETAILS
NOTE: ALL STUDS TO BE 1/2"Ø

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

LATEST REVISION DATE: 02-14
APPROVED BY BRIDGE ENGINEER: *Norman E. Mc Donald*

Iowa Department of Transportation
Highway Division
STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES
ROLLED STEEL BEAM BRIDGES
JUNE, 2010

BEAM PLAN AND ELEVATION
260'-0 BRIDGE **RS40-076-10**