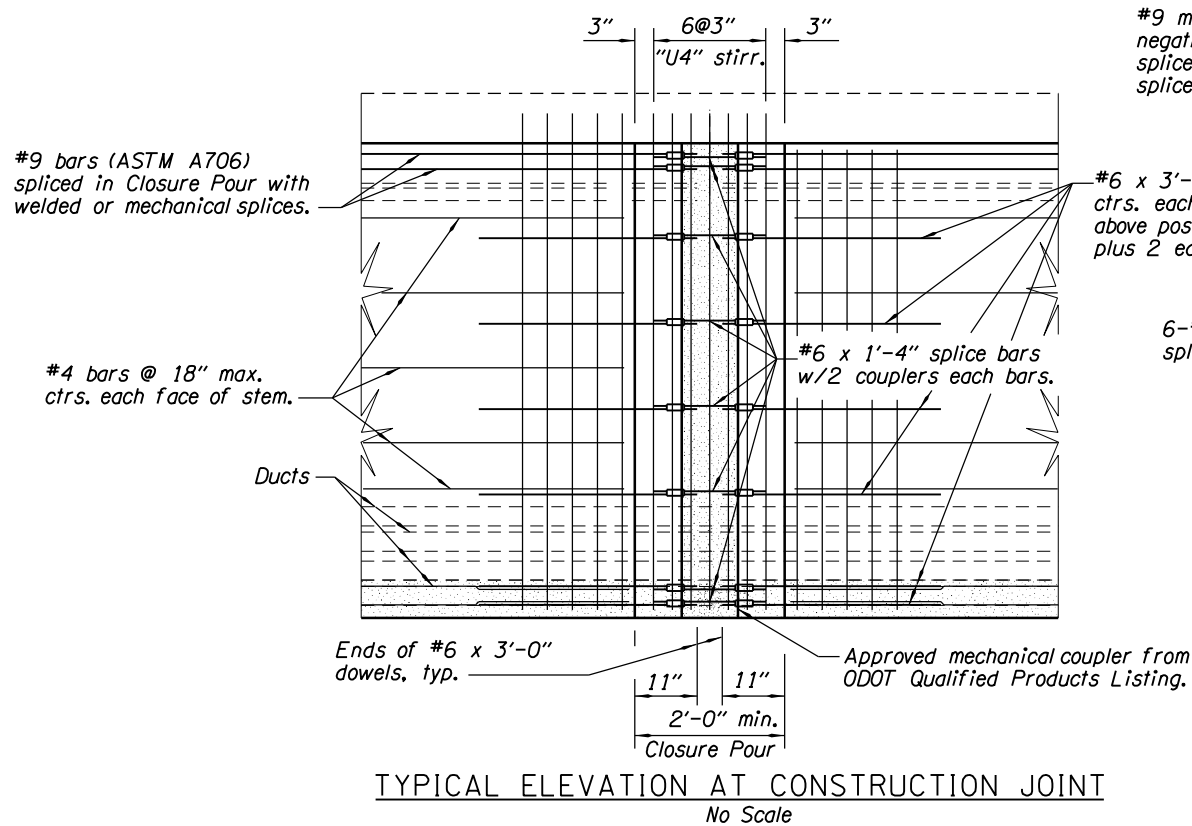
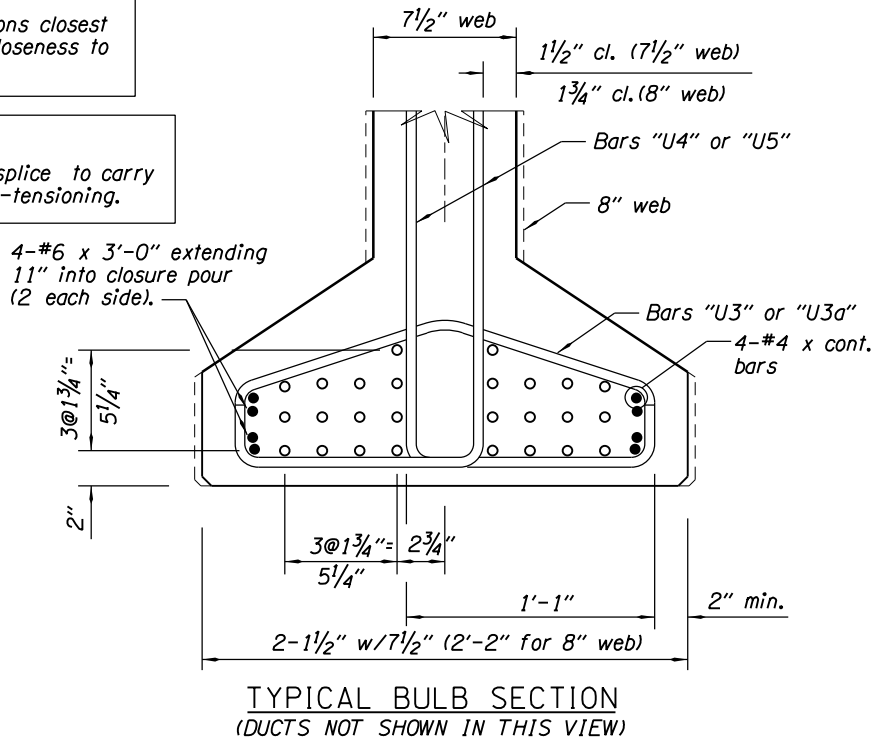
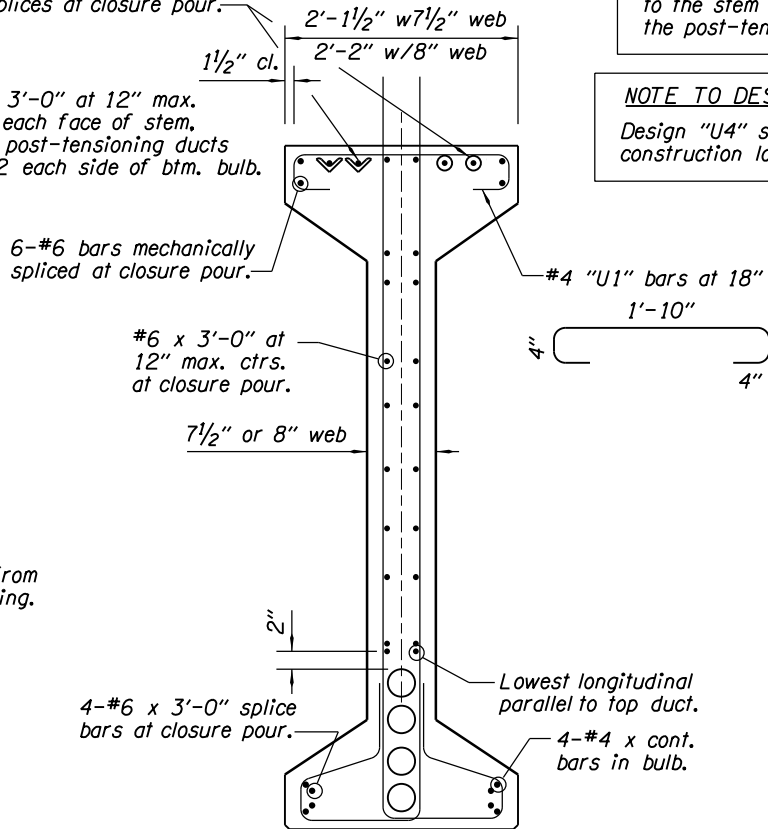




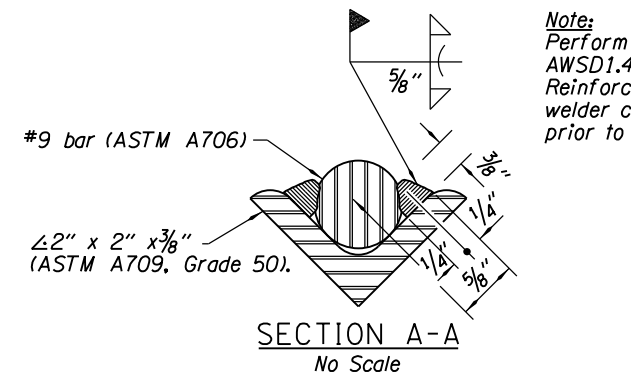
#9 max. dia. bars as required to resist negative moment construction loads at girder splice. Use approved welded or mechanical splices at closure pour.

NOTE TO DESIGNER
Avoid using the strand locations closest to the stem because of the closeness to the post-tensioning.

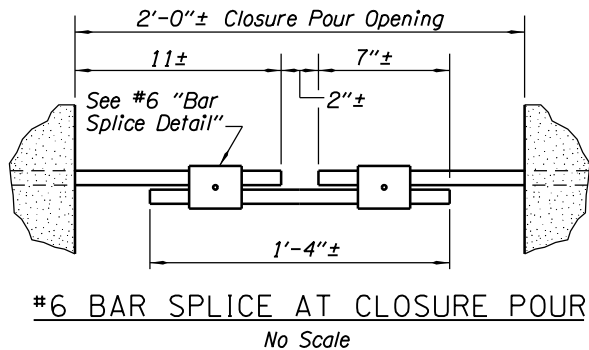
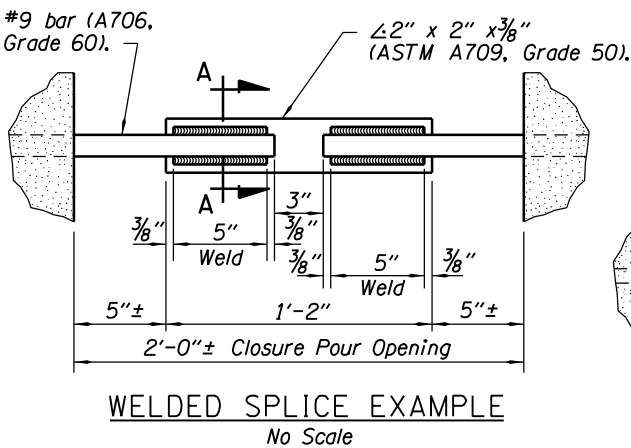
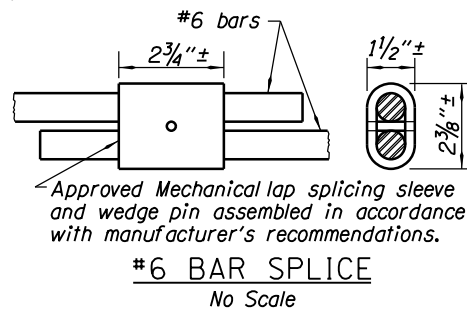
NOTE TO DESIGNER
Design "U4" spacing at girder splice to carry construction loads prior to post-tensioning.



Note:
Center the coupler on the gap "G" between bars.
"Shear-Lock" Bolts break off cleanly when properly tightened.

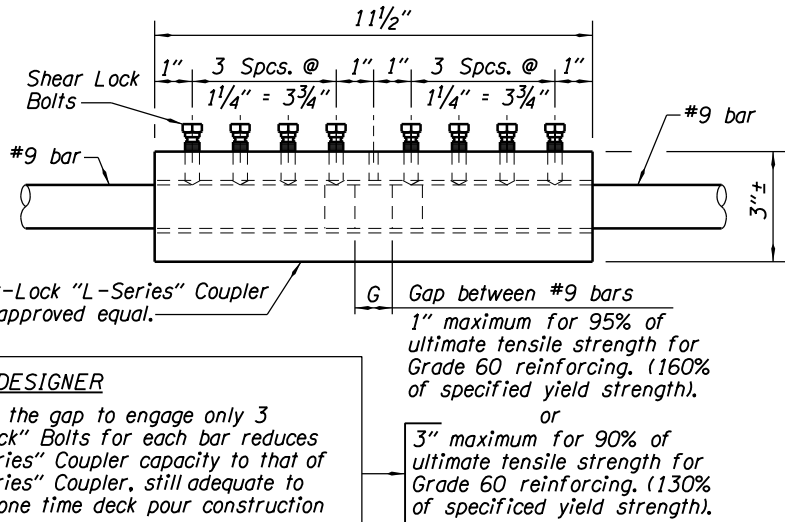


Note:
Perform all welding in conformance with AWS D1.4 (Structural Welding Code for Reinforcing Steel). The Engineer must approve welder certification and welding procedure prior to welding.



EXPANDED BULB-I GIRDERS

7.5" WEB and 25.5" SOFFIT				
GIRDER	AREA, in. ²	I, in. ⁴	Y _b , in.	WEIGHT, Kips/ft.
BI84	953	824,061	42.01	0.993
BI96	1043	1,161,974	48.00	1.086
BI108	1133	1,576,046	54.02	1.180
8" WEB and 26" SOFFIT				
GIRDER	AREA, in. ²	I, in. ⁴	Y _b , in.	WEIGHT, Kips/ft.
BI84	994	847,846	42.01	1.035
BI96	1090	1,197,651	48.00	1.136
BI108	1186	1,627,220	54.02	1.235



NOTE TO DESIGNER
Increasing the gap to engage only 3 "Shear-Lock" Bolts for each bar reduces the "L-Series" Coupler capacity to that of the "S-Series" Coupler, still adequate to resist the one time deck pour construction loading.

1" maximum for 95% of ultimate tensile strength for Grade 60 reinforcing. (160% of specified yield strength).
or
3" maximum for 90% of ultimate tensile strength for Grade 60 reinforcing. (130% of specified yield strength).

The selection and use of this detail, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

**OREGON DEPARTMENT OF TRANSPORTATION**
TECHNICAL SERVICES
DETAILS

BAR SPLICE AND CLOSURE
POUR DETAILS FOR
POST-TENSIONING
BULB-I GIRDERS

DETAIL NO.
DET3398