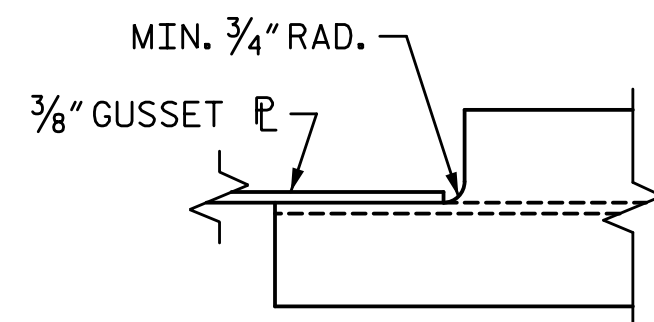
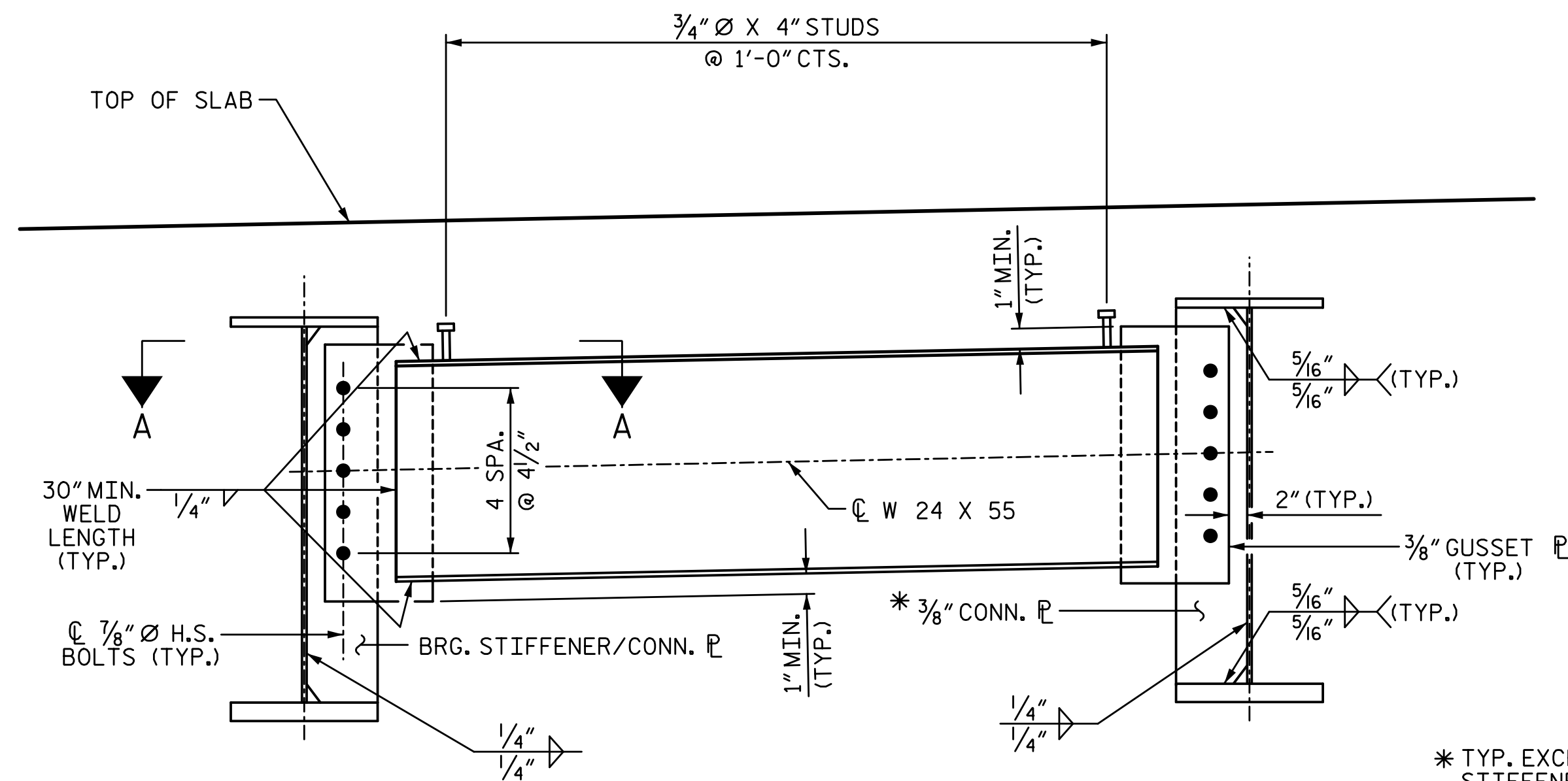


5/8/2017 10:50:15 AM G:\Projects\2014\U-3109A\Structures\Site 1-Bridge 434 (NBL)\Drawings\Final\401\_U3109A\_SML\_SS.dgn

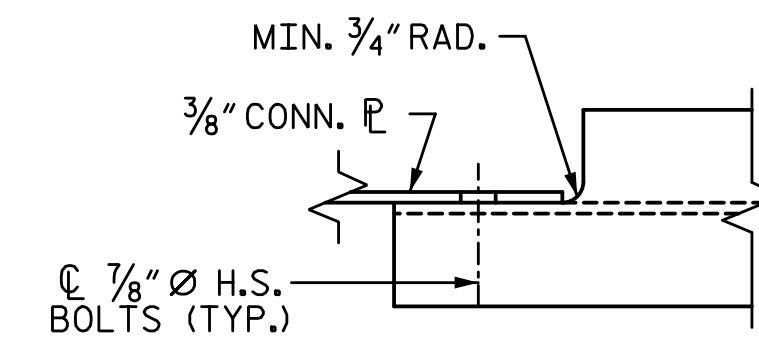
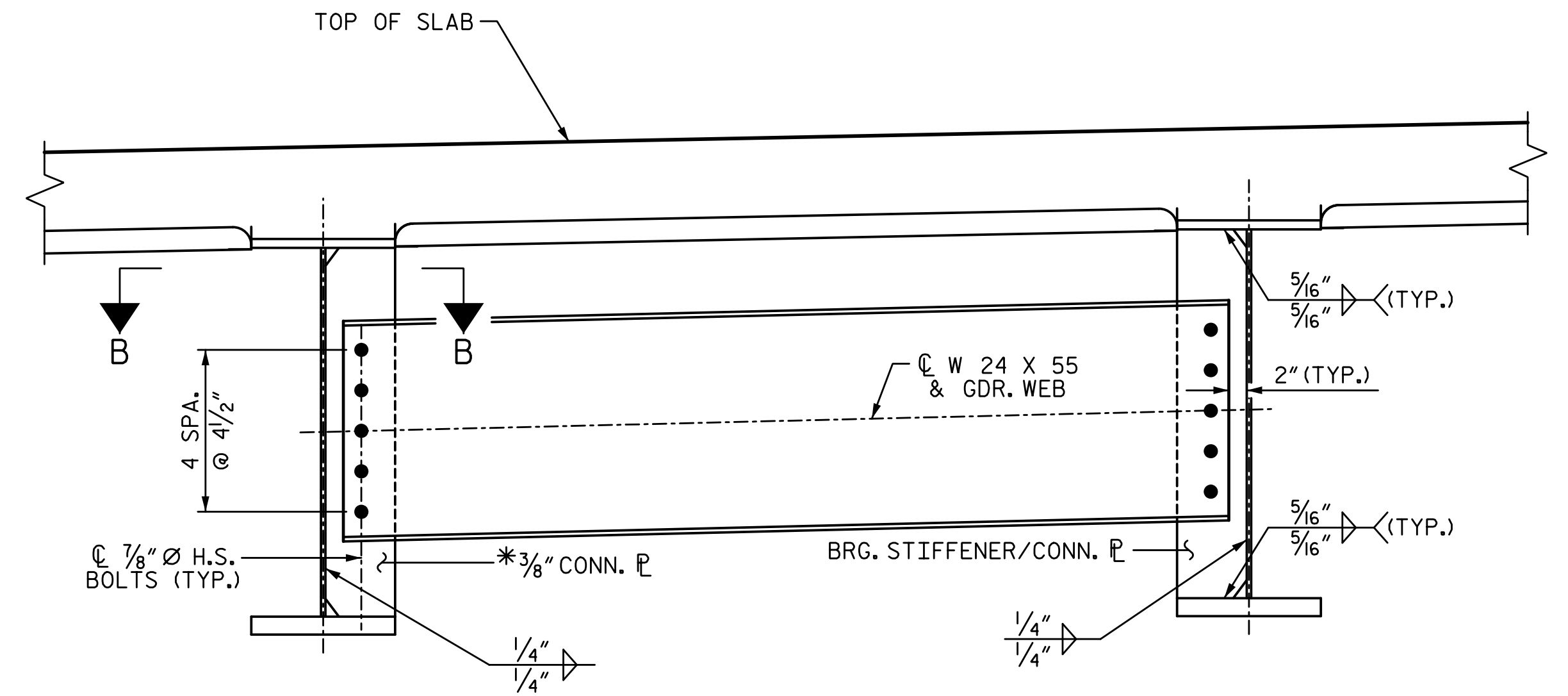


SECTION A-A

**END BENT DIAPHRAGM**

SEE FRAMING PLAN FOR LOCATION OF BRG. STIFFENERS/CONN. P'S

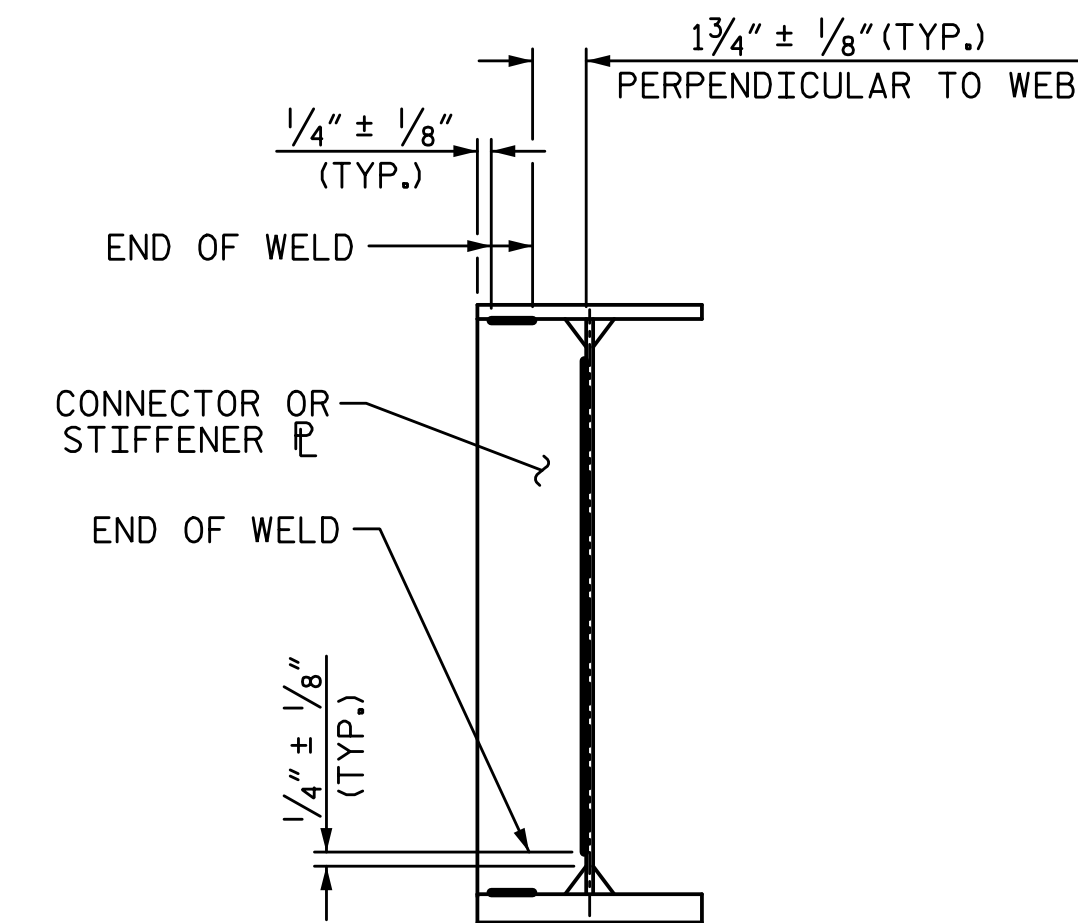
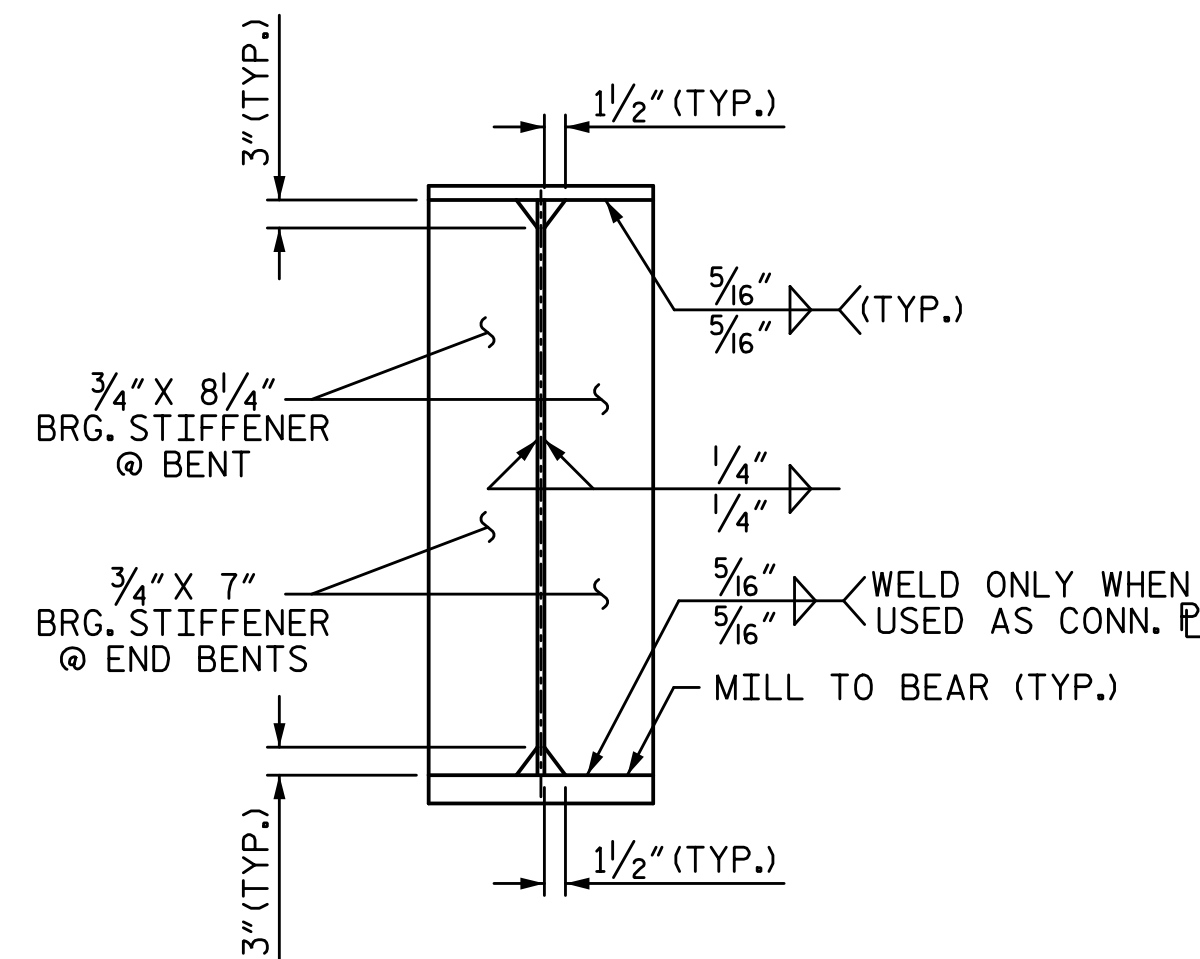
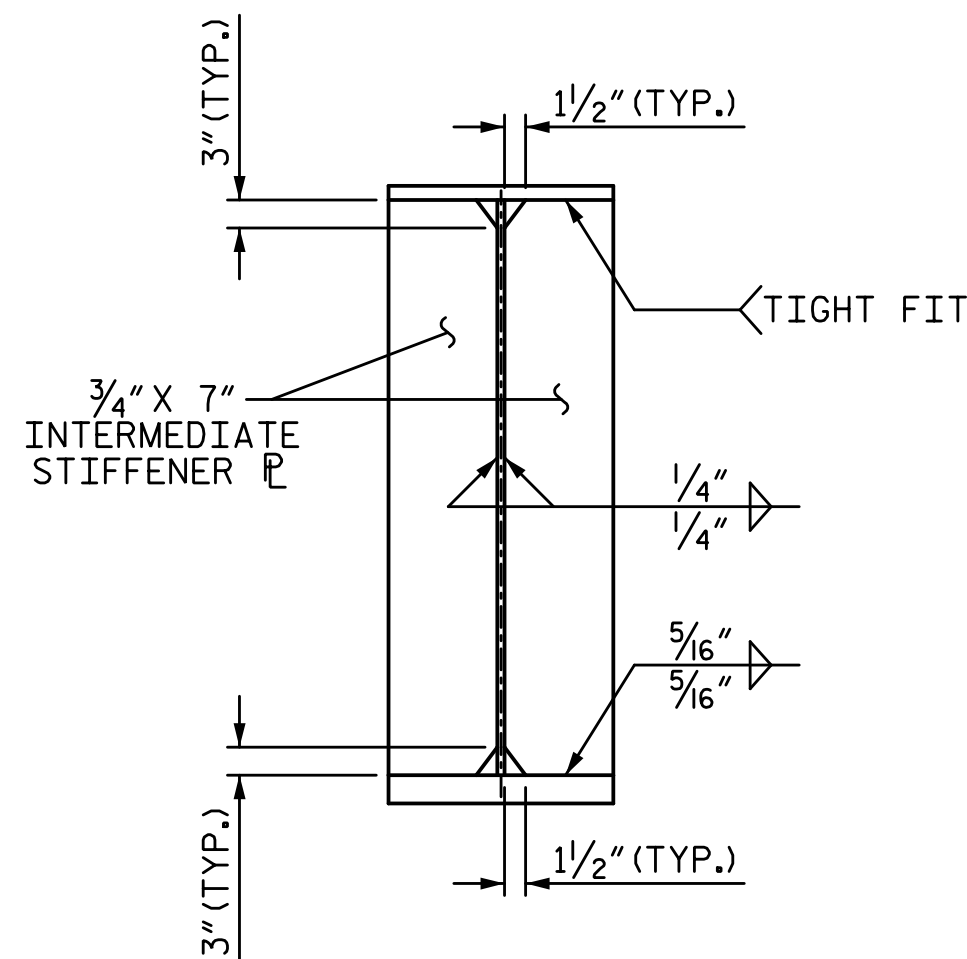
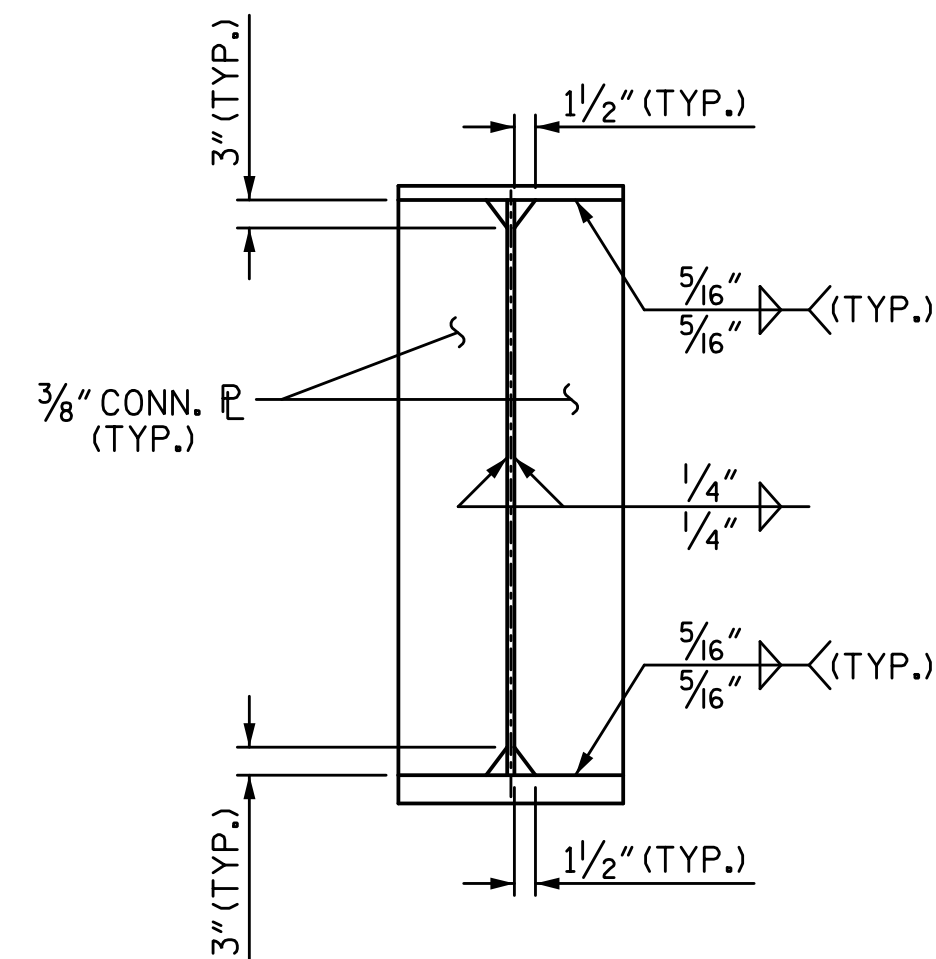
\* TYP. EXCEPT WHERE BEARING STIFFENERS ARE USED AS A CONNECTOR PLATE. SEE FRAMING PLAN SHEET FOR LOCATION.



SECTION B-B

**INTERMEDIATE & BENT DIAPHRAGM**

SEE FRAMING PLAN FOR LOCATION OF BRG. STIFFENERS/CONN. P'S



**CONNECTOR PLATE**

(CONNECTOR PLATES FOR END BENT AND BENT DIAPHRAGMS OR INTERMEDIATE DIAPHRAGMS)

**INTERMEDIATE STIFFENER**

(SEE FRAMING PLAN FOR LOCATION)

**BEARING STIFFENER**

**WELD TERMINATION DETAIL**

PROJECT NO. U-3109A  
ALAMANCE COUNTY  
 STATION: 26+54.73 -NBL-

SHEET 3 OF 4

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUPERSTRUCTURE

**STRUCTURAL STEEL DETAILS**

DRAWN BY: S. D. COOPER DATE: 5-15  
 CHECKED BY: B.S. COX DATE: 5-15  
 DESIGN ENGINEER OF RECORD: T.J. BEACH DATE: 5-15

PLANS PREPARED BY:  
**SE & A**  
 SIMPSON ENGINEERS & ASSOCIATES  
 5640 Dillard Drive  
 Suite 200  
 Cary, NC 27518  
 (919) 852-0468  
 (919) 852-0598 (Fax)  
 www.simpsonengr.com  
 LICENSURE NO. C-2521



REVISIONS						SHEET NO. S01-14
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS S01-49
2			4			