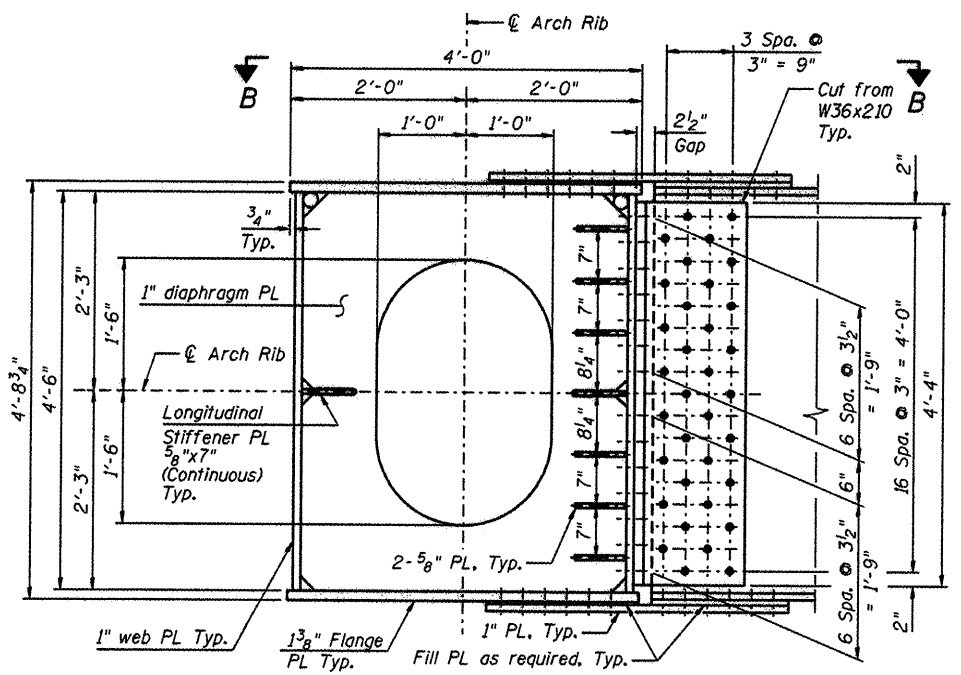
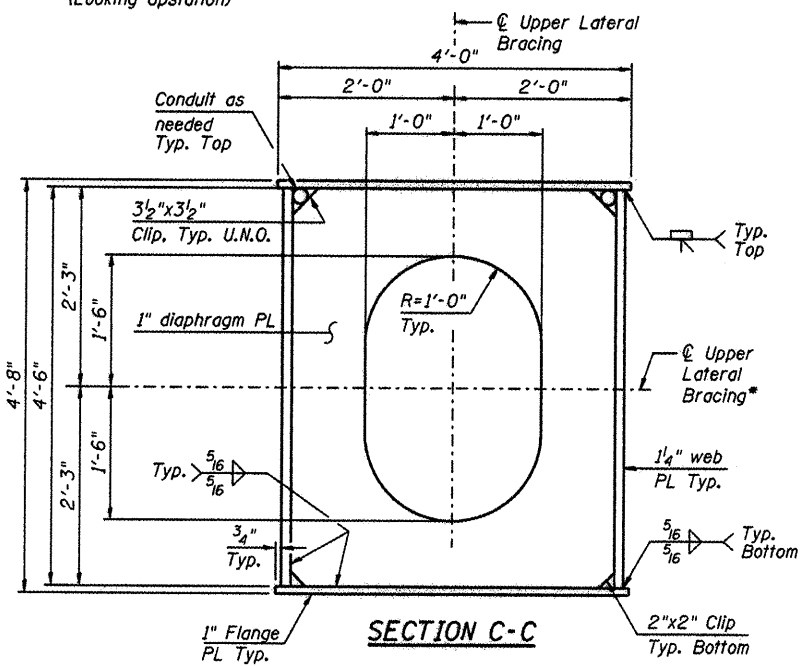


**ELEVATION - UPPER LATERAL BRACING**  
(Looking Upstation)

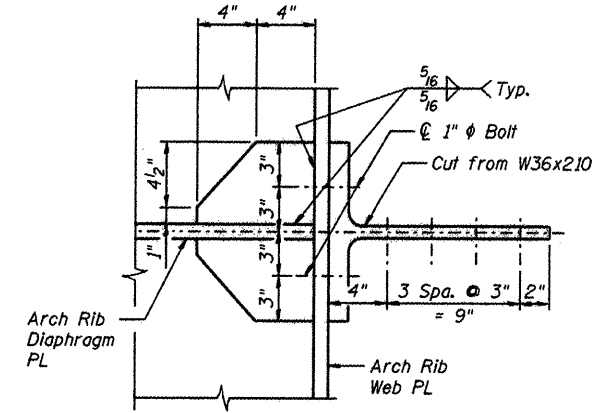


**DETAIL A**

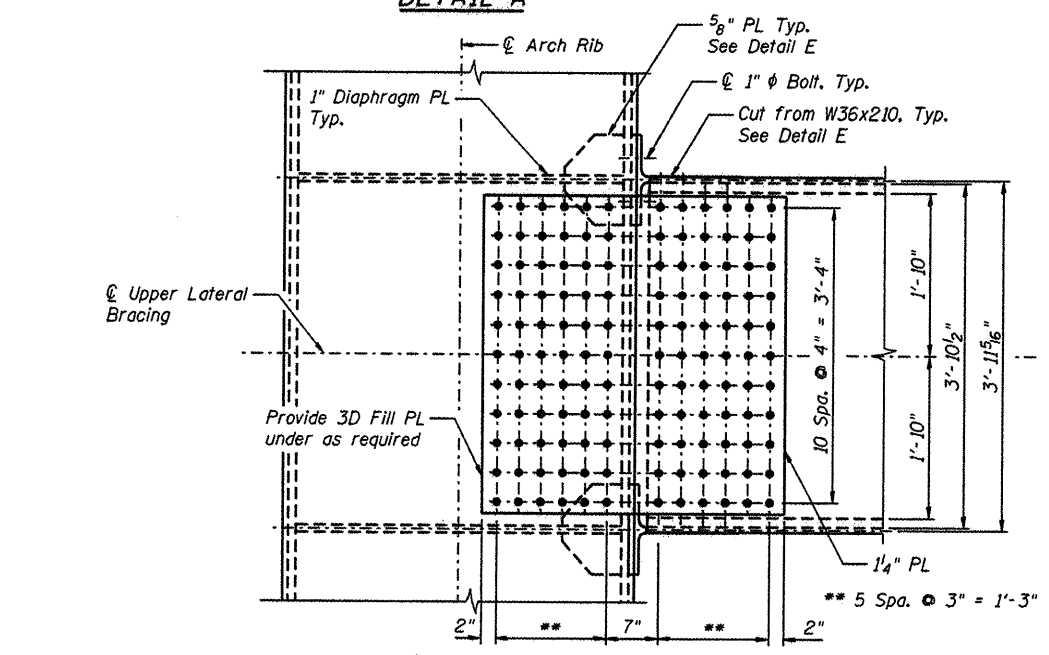


**SECTION C-C**

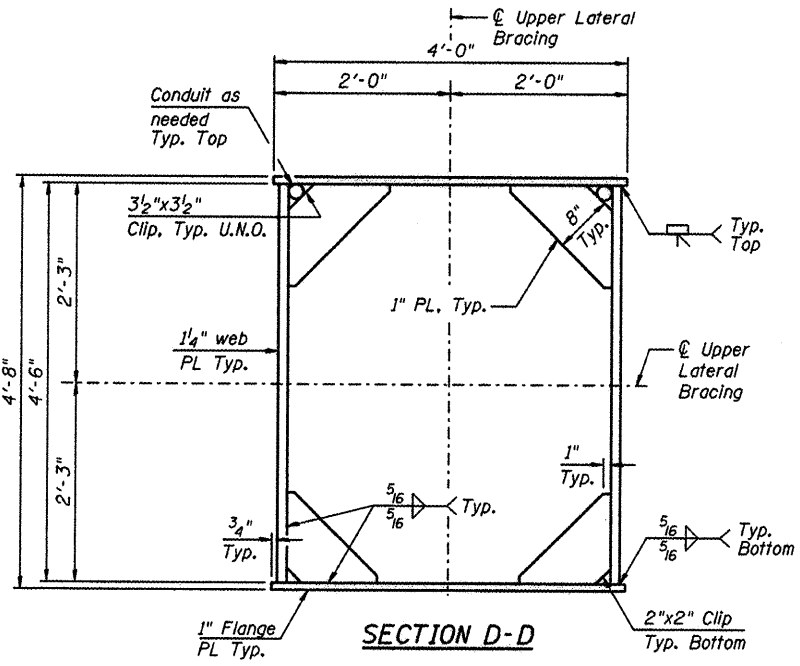
\* Align  $\ominus$  Upper Lateral Bracing with tangent to  $\ominus$  Arch Rib at each Upper Lateral Work Point location.



**DETAIL E**



**VIEW B-B**  
(Top flange shown, Bottom flange similar)



**SECTION D-D**

**Notes:**  
All bolts shall be  $\frac{7}{8}$ " high strength bolts U.N.O.  
Upper Lateral Bracing Flange Plates and Web Plates shall conform to the requirements of AASHTO M270 Gr. 50W T3.  
Diaphragms, Connections and Connection Plates shall conform to the requirements of AASHTO M270 Gr. 50W.  
See Sheet 26 of 79 for working points of Upper Lateral Bracing.  
See Sheet 39 of 79 for Ventilation and Access Opening details.  
See sheets 34 thru 39 of 79 for Arch Rib Details.  
U.N.O. denotes unless noted otherwise.

L:\PROJECTS\0826882A\Drawings\CADD\_Sheets\18\_Upper\_Lateral\_Bracing\_Details.dwg



**HNTB**

DESIGNED - PA, JDJ, BPD, CJW	REVISED -
DRAWN - GLD	REVISED -
CHECKED - RJK	REVISED -
DATE - 02/04/2011	REVISED -

**CITY OF ROCKFORD  
MORGAN STREET BRIDGE**

**UPPER LATERAL BRACING DETAILS  
STRUCTURE NO. 101-6108**

SCALE: SHEET NO. 40 OF 79 SHEETS STA. 47+00.74 TO STA. 52+63.50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5077	99-00493-00-BR	WINNEBAGO	253	166
FED. ROAD DIST. NO. 2 [ILLINOIS] FED. AID PROJECT BRW-5099651			CONTRACT NO. 85529	