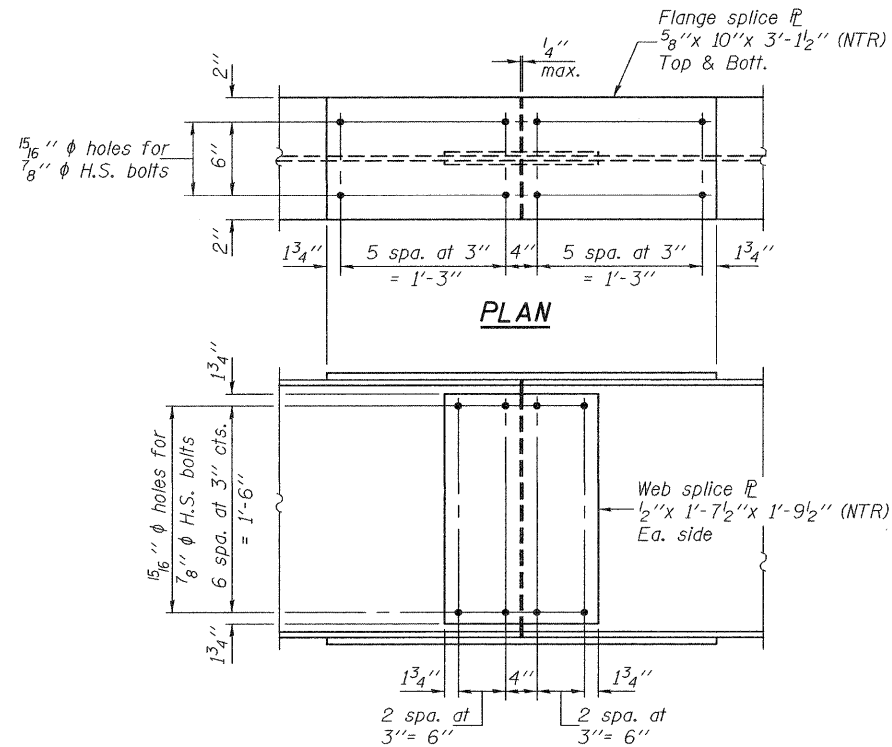


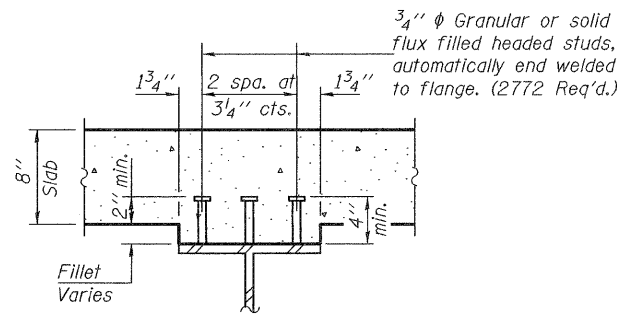
**PLAN**

All beams are W27x84 AASHTO M270 Grade 50W (NTR)



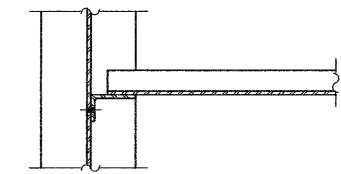
**ELEVATION  
SPLICE DETAIL**

(14 Required)

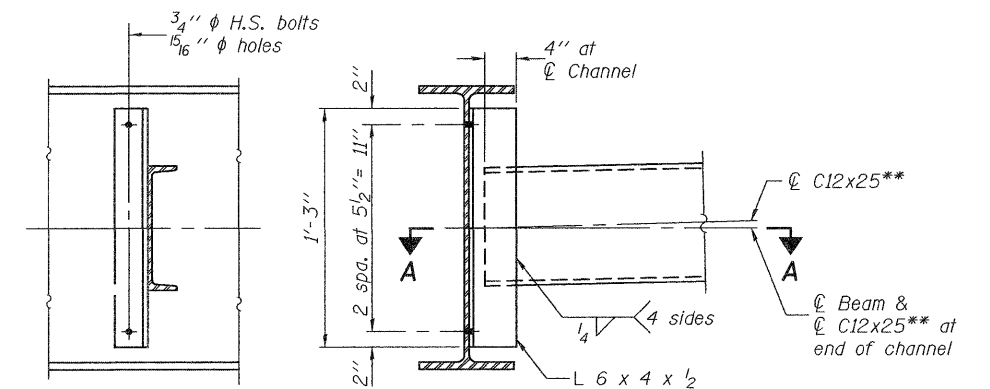


**SECTION A-A**

Notes: Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2. All diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual diaphragms at supports may be temporarily disconnected to install bearing anchor rods. Two hardened washers required for each set of oversized holes. All splice plates shall be AASHTO M 270 Grade 50W.



**SECTION A-A**



**DIAPHRAGM D**

(54 Required)

\*\*Alternate channel C12x30 is permitted to facilitate material acquisition. Calculated weight of structural steel is based on the lighter section. The alternate, if utilized, shall be provided at no extra cost to the Department.

DESIGNED - Jessica C. Forrest  
 CHECKED - Nicholas R. Barnett  
 DRAWN - h.t. duong  
 CHECKED - JCF/NRB

EXAMINED - *Thomas J. Damagala*  
 ENGINEER OF BRIDGE DESIGN  
 PASSED - *Carl...*  
 ENGINEER OF BRIDGES AND STRUCTURES

DATE - 5/10/2011

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**STRUCTURAL STEEL  
 STRUCTURE NO. 073-0038**

SHEET NO. 15 OF 26 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
869	6B-2	*	279	145
CONTRACT NO. 98797			ILLINOIS FED. AID PROJECT	

\*PERRY/FRANKLIN