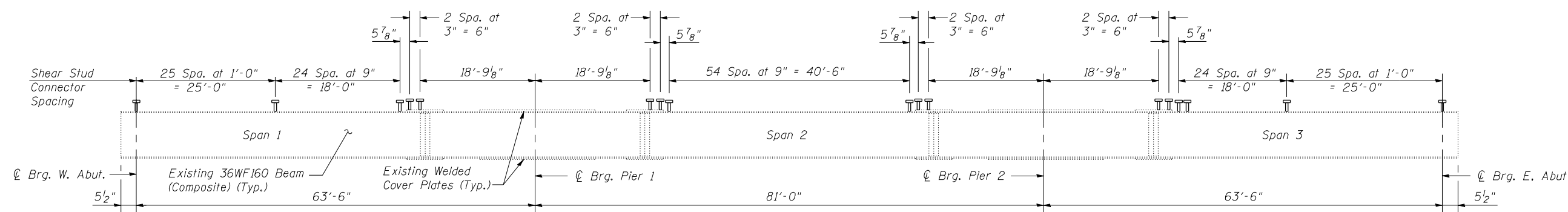
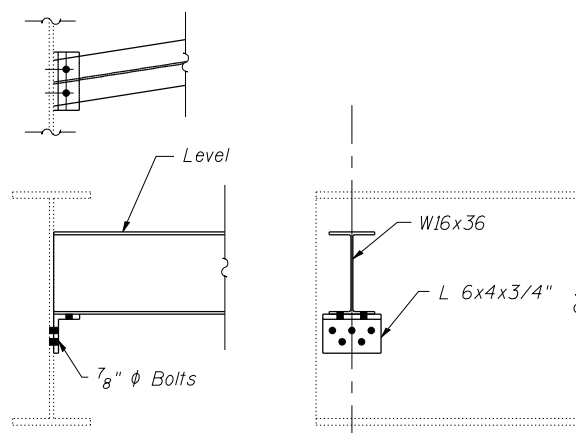


FRAMING PLAN



BEAM ELEVATION



DIAPHRAGM D DETAILS

(8 Required)

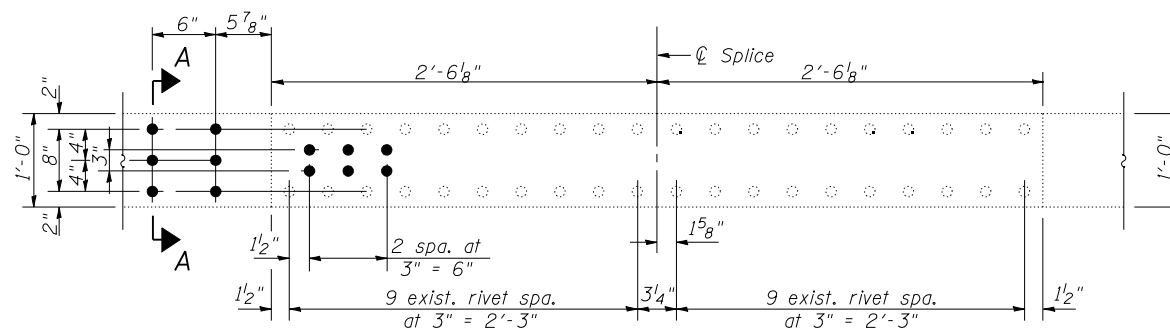
Notes:

Diaphragm and clip angles shall be paid for as Furnishing and Erecting Structural Steel.

All new fasteners shall be high strength bolts. Holes shall be subpunched or subdrilled 1/16" dia. and reamed in the field to 1/8" dia. for 7/8" dia. bolts, unless otherwise noted. Cost included with Furnishing and Erecting Structural Steel.

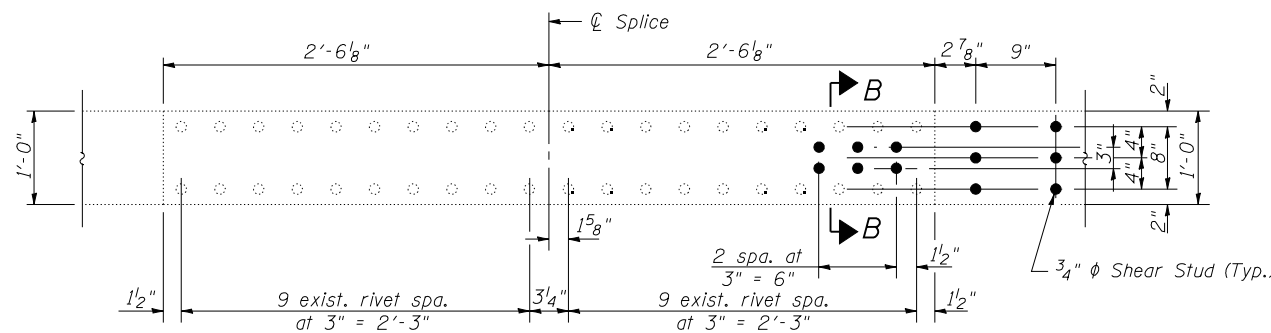
Two hardend washers shall be required over all oversized holes for diaphragms.

Removal of existing diaphragms, angles and rivets shall be included in the cost of Structural Steel Removal.

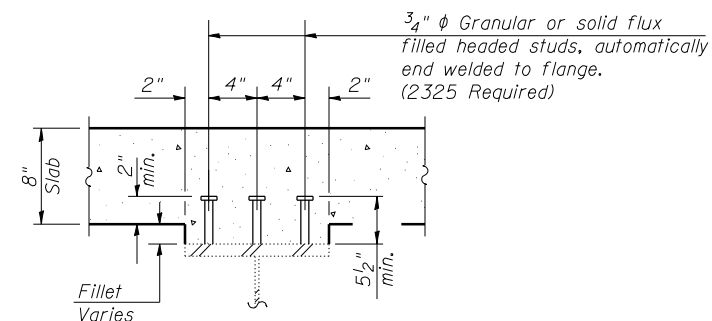


SPAN 1 & 3 SPLICE & SHEAR STUD LAYOUT

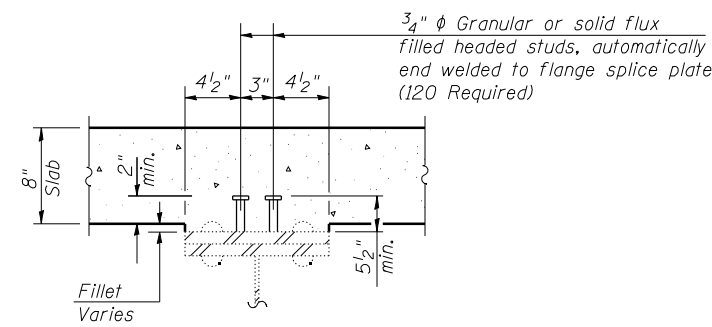
(Span 1 shown, Span 3 Similar)



SPAN 2 SPLICE & SHEAR STUD LAYOUT



SECTION A-A



SECTION B-B

FILE NAME = _sheet 12 (struct stl)1.dgn

USER NAME = bselbel

DESIGNED - BB

REVISED -

Illinois Design Firm Number 184,001670

CHECKED - ACS

REVISED -

PLOT SCALE =

DRAWN - WJS

REVISED -

PLOT DATE = 11:54:09 AM 12/20/2011

CHECKED - CJF

REVISED -



BERNARDINI LOGANMULLER & ASSOCIATES, INC.
3 OAK DRIVE
MAYVILLE, ILLINOIS 61860
PHONE (815) 398-4000
FAX (815) 398-4000

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STRUCTURAL STEEL DETAILS
STRUCTURE NO. 079-0020**

SHEET NO. 12 OF 26 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
858	12VB-11	RANDOLPH	72	58
			CONTRACT NO. 76409	

ILLINOIS FED. AID PROJECT