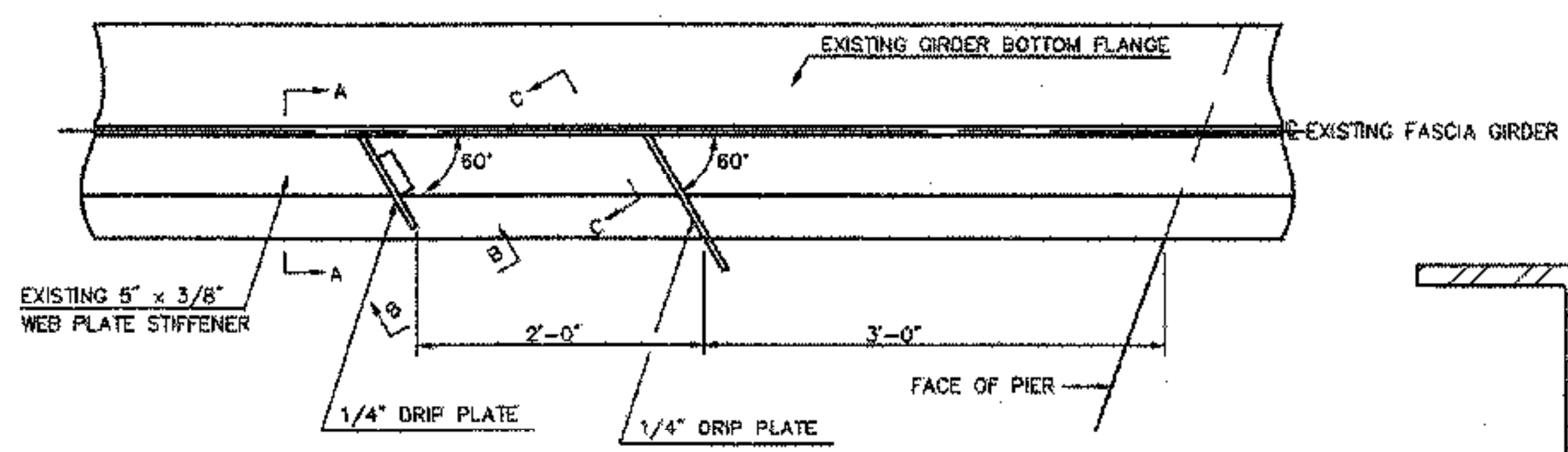
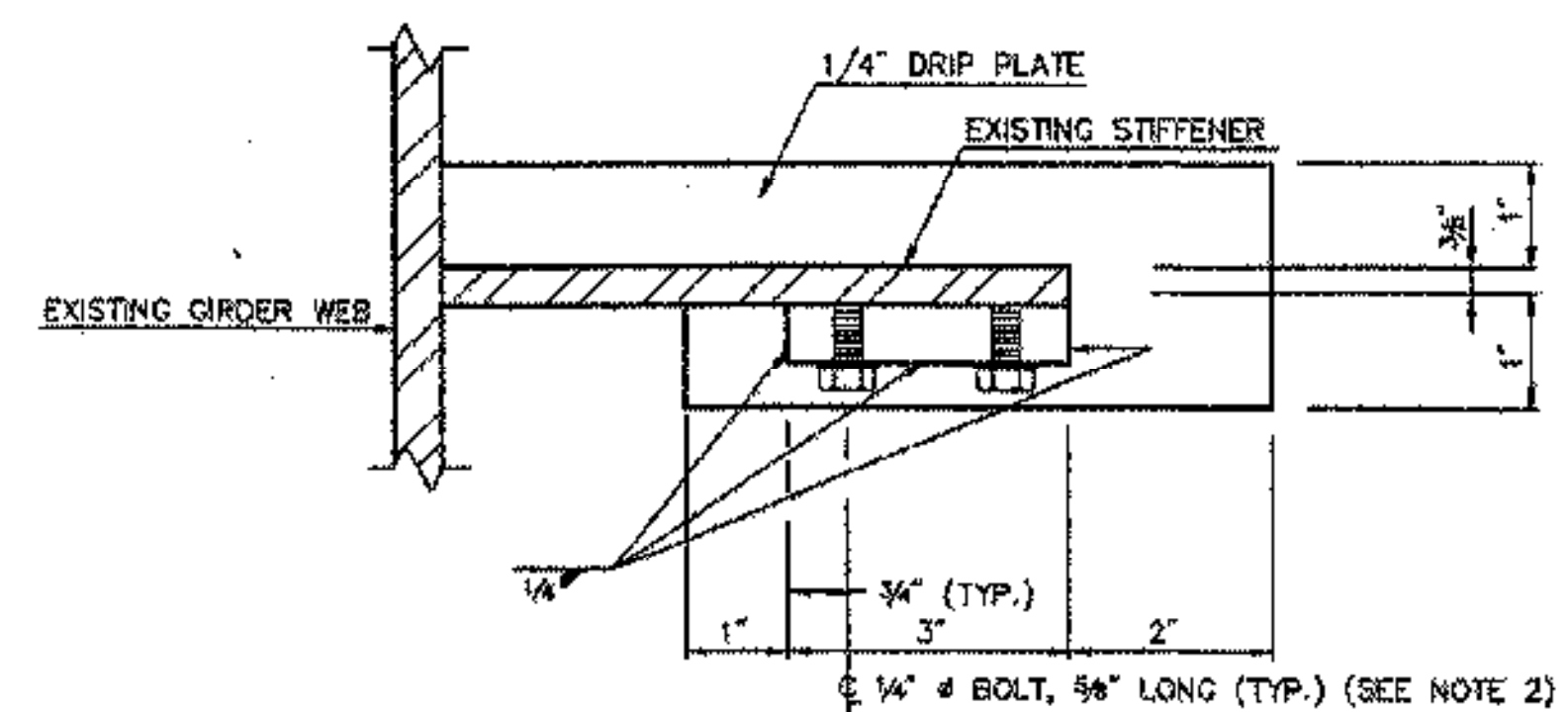


TOTAL STUDS PER GIRDER LINE = 1512

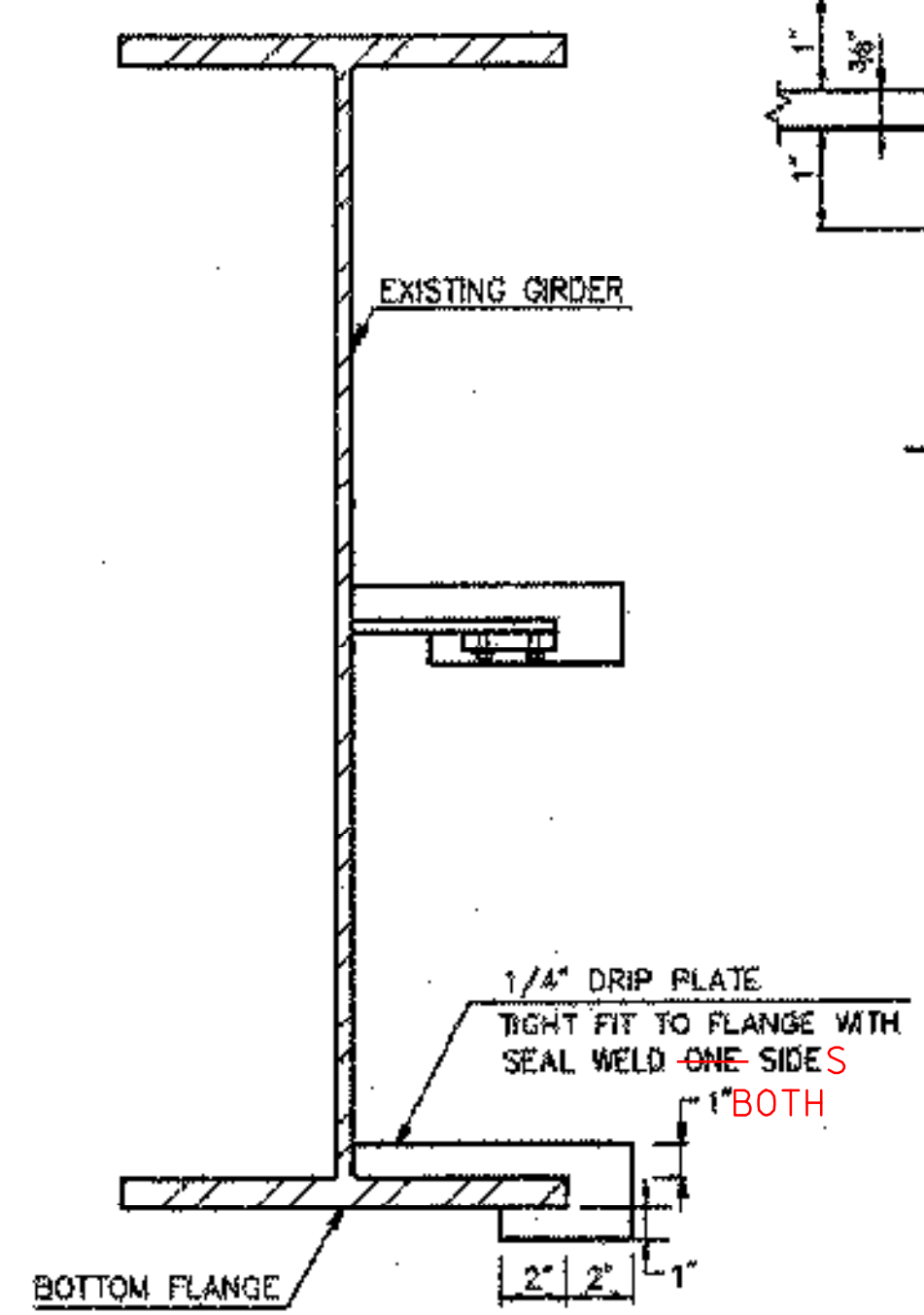
STUD SHEAR CONNECTOR LAYOUT
N.T.S.



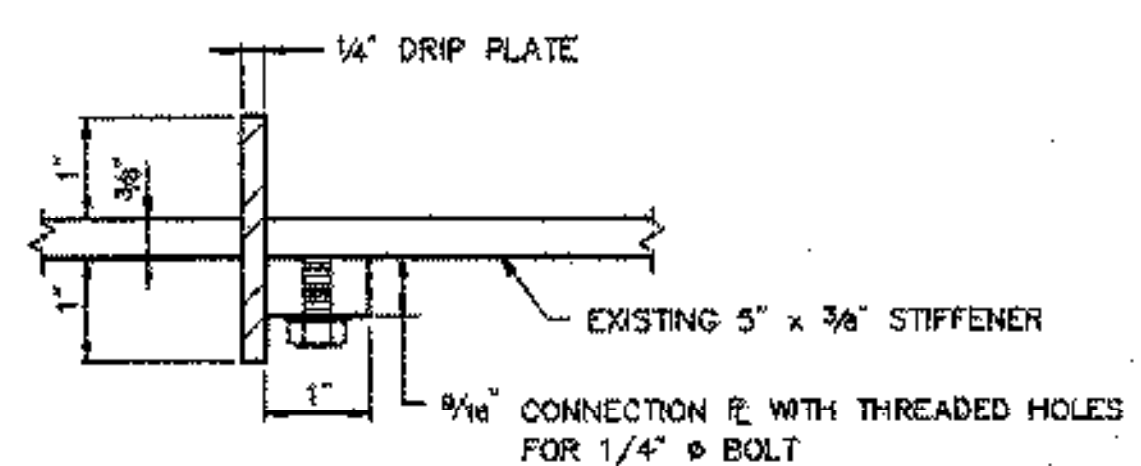
PLAN
N.T.S.



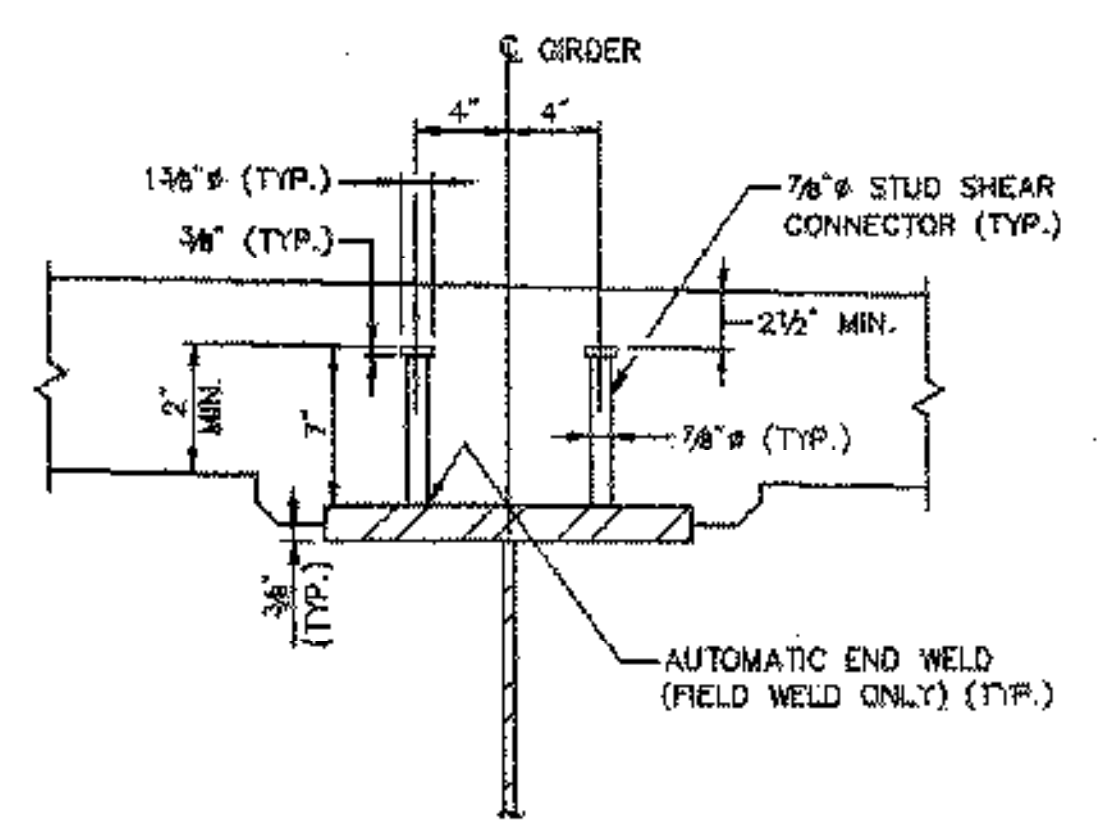
VIEW C-C
N.T.S.



VIEW A-A
N.T.S.



VIEW B-B
N.T.S.



SHEAR CONNECTOR DETAIL*
SCALE: 1 1/2" = 1'-0"

DRIP PLATE NOTES:

1. DRIP PLATES SHALL BE INSTALLED ON THE EXTERIOR SIDE OF EACH FASCIA GIRDER, ON BOTH SIDES OF EACH PIER. DRIP PLATES SHALL BE INSTALLED ON THE BOTTOM FLANGE OF THE GIRDER AND ON THE WEB STIFFENER AS SHOWN IN THE DETAILS ON THIS SHEET.
2. DRIP PLATES SHALL BE FASTENED TO WEB STIFFENERS WITH 1/4" DIAMETER GALVANIZED OR STAINLESS STEEL BOLTS. THE BOLTS SHALL BE TIGHTENED THROUGH THE THREADED HOLES IN THE DRIP PLATE CONNECTION TAB SO THAT THEY BEAR ON THE STIFFENER. THE BOLTS SHALL BE THREADED FOR THEIR ENTIRE LENGTH AND HAVE CUP POINTS. BOLTS SHALL HAVE 20 THREADS PER INCH AND UNC THREAD SERIES.
3. AT EACH STIFFENER DRIP PLATE, THE JOINT BETWEEN THE GIRDER WEB, THE STIFFENER, AND THE DRIP PLATE SHALL BE SEALED WITH AN APPROVED CAULKING.
4. DRIP PLATES SHALL BE CONNECTED TO GIRDER BOTTOM FLANGES WITH A SEAL WELD ON ONE SIDE.

NOTE:

1. ONCE THE HAUNCHES HAVE BEEN CALCULATED, THE SHEAR STUDS WITHIN THE AREAS WITH GREATER THAN 4" OF HAUNCH MUST BE EITHER "PIGGY-BACKED" WITH ADDITIONAL SHEAR STUDS OR LONGER STUDS MUST BE USED. IN NO CASE SHALL THERE BE LESS THAN 2 1/2" OF COVER OVER THE TOP OF THE STUDS OR SHALL THE STUDS HAVE LESS THAN 2" OF EMBEDMENT INTO THE CONCRETE DECK.

DRIP PLATE REVISIONS
REVISIONS 6/99

DRIP PLATE DETAILS
N.T.S.

VANASSE HANGEN BRUSTLIN, INC.

STATE OF VERMONT AGENCY OF TRANSPORTATION	
Town Of HARTFORD	Bridge No. 11N & 11S
Highway No. 1-89 NB & SB	Log Sta.
1-89 NB & SB OVER WHITE RIVER, VT 14 & NECR	
STUD SHEAR CONNECTOR LAYOUT & DETAILS	
Designed By J.A. ROUILLARD	Drawn By B.J. MASSE
Checked By M.A. COLGAN	Bridge Design Supervisor C.D. BAKER
Date 9/98	Date 6/99
PROJECT HARTFORD	PROJECT NO. IR 089-1(13)
VHB Cad Filename 50899SSC-R	
Bridge Sheet No. 13R	Sheet 13R of 101