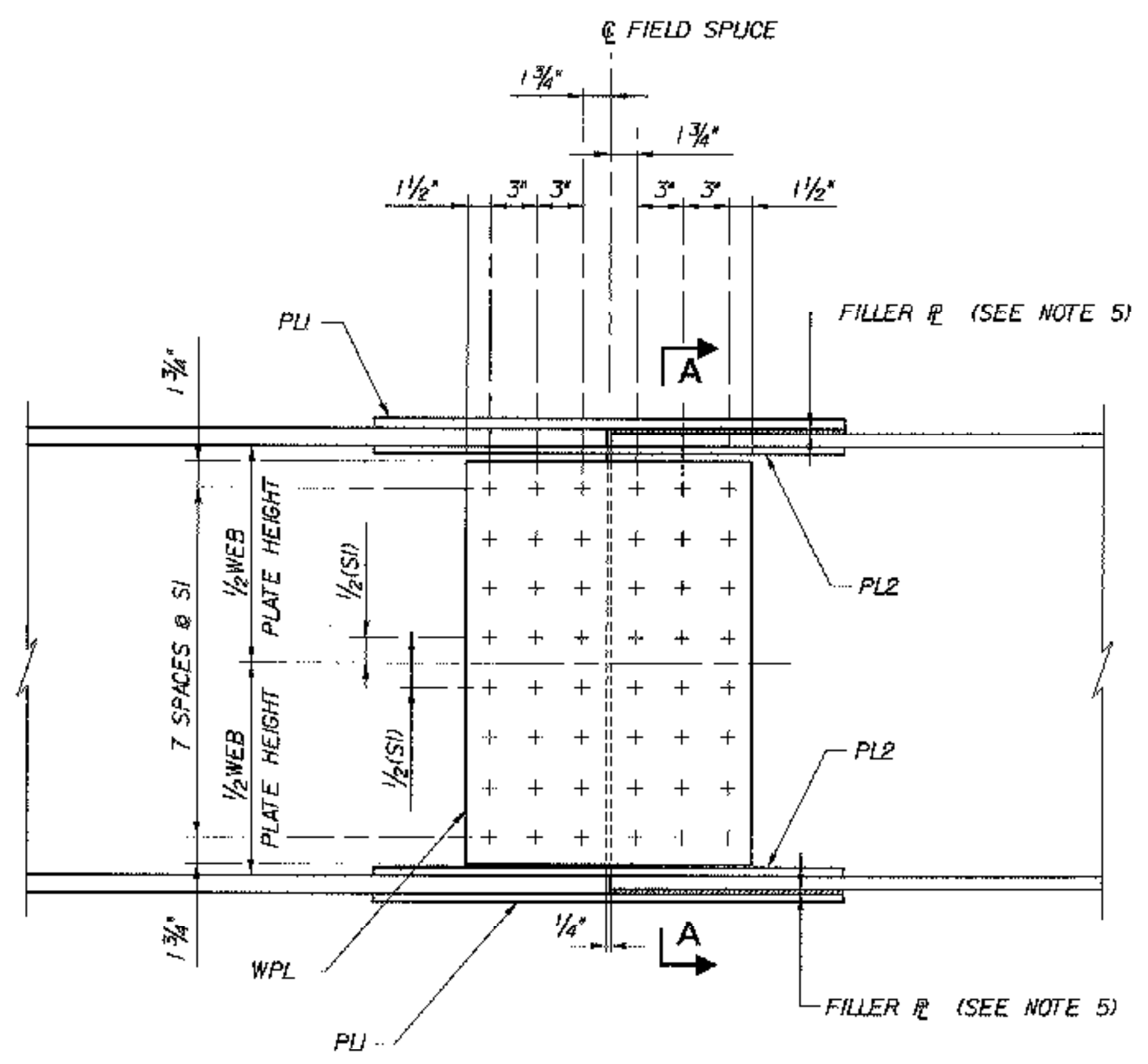
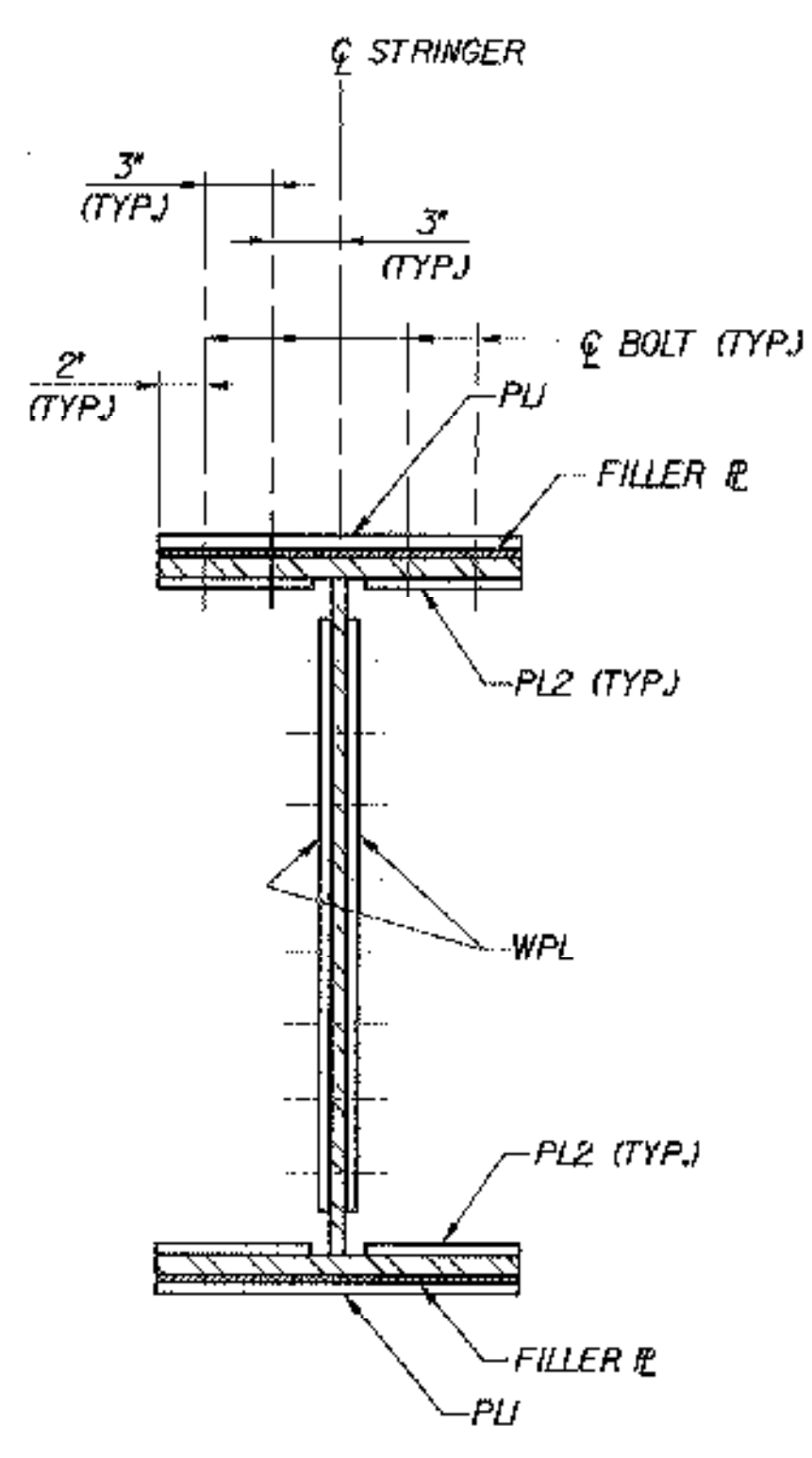


PLAN - TOP & BOTTOM FLANGES



ELEVATION



SECTION A-A

FIELD SPLICE @ BR 48, 50 & 51
NOT TO SCALE

SPLICE PLATE ID	PLATE SIZE
A	18 1/2" X 1/2" X 2'-2 1/4"
B	18 1/2" X 1/2" X 2'-5 3/4"
C	16" X 5/8" X 2'-6 1/2"
D	7" X 5/8" X 2'-6 1/2"
E	16" X 3/4" X 2'-6 1/2"
F	7" X 3/4" X 2'-6 1/2"
G	16" X 1" X 3'-0 1/2"
H	7" X 1" X 3'-0 1/2"

BR. NO.	SPLICE LOCATION	WEB SPLICE		FLANGE SPLICE		
		PLATE SIZE WPL	BOLT SPACING S1	PL1	PL2	NO. OF BOLT SPACES X
48N	ALL	B	3 3/4"	C	D	4
48S	ALL	B	3 3/4"	C	D	4
50N	ALL	A	3 1/4"	C	D	4
50S	ALL	A	3 1/4"	C	D	4
51N	SPANS 2 & 4	B	3 3/4"	E	F	4
	SPAN 3	B	3 3/4"	G	H	5
51S	ALL	B	3 3/4"	E	F	4

NOTES:

- BOLTS SHALL BE 7/8" DIA. AASHTO M164 TYPE 3 HIGH STRENGTH BOLTS IN 1/8" DIA. HOLES. NUTS AND WASHERS SHALL ALSO CONFORM TO AASHTO M164. BOLT LENGTHS SHALL BE SUCH THAT THE BOLT THREADS ARE EXCLUDED FROM THE SHEAR PLANE.
- ALL FIELD SPLICE CONNECTIONS SHALL BE "SLIP CRITICAL" WITH A CLASS B SURFACE (BLAST CLEAN SURFACE) FOR THE CONTACT SURFACES OF BOLTED PARTS.
- STEEL FOR SPLICE & FILLER PLATES SHALL BE AASHTO M270 GRADE 50W (ASTM A709, GRADE 50W).
- HOLES FOR FIELD SPLICES SHALL BE DRILLED IN THE SHOP WHILE STRINGERS ARE ASSEMBLED TO FIT BEARING ELEVATIONS.
- FILLER PLATE SIZE : MIN. THICKNESS = 1/16" WIDTH = 16" LENGTH = (1/2) (PL1) - 1/8"
- ALL FLANGE AND WEB SPLICE PLATES SHALL BE CHARNY V-NOTCH TESTED IN ACCORDANCE WITH SECTION 714.01 OF THE SPECIFICATIONS.

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

Town Of MIDDLESEX-BOLTON	Bridge No.
Highway No. I-89	Log Sta. Surv. Sta.

TYPICAL GIRDER SPLICE DETAILS

Designed By M.H. GALLO	Drawn By N.J. HOYT
Checked By K.L. JAMES	Bridge Design Supervisor J.P. HALSTEAD
Date 10/99	Date 10/99
PROJECT MIDDLESEX-BOLTON	PROJECT NO. IM-089-2(26)
TVGA CAD Drawing No. I27fe2.dgn	Date 10/99
Bridge Sheet No. C-20	Sheet 20 of 307

