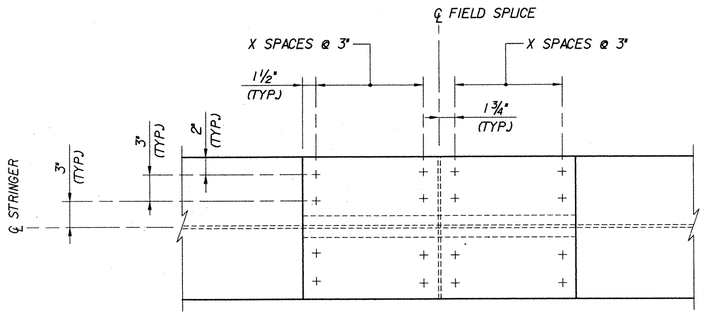
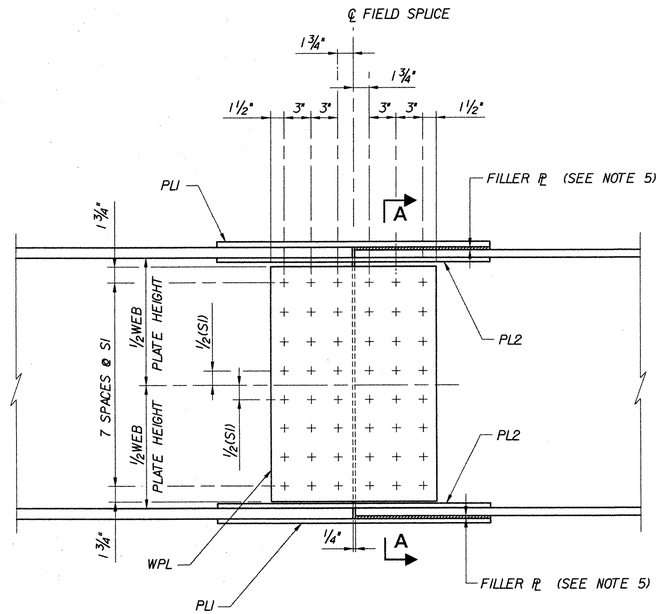
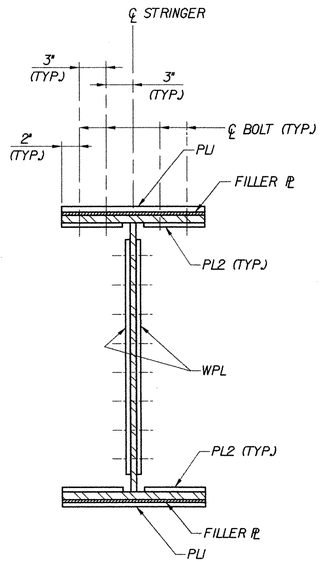


PLAN – TOP & BOTTOM FLANGES



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	BOLT SPACING	PLATE SIZE		NO. OF BOLT SPACES
		WPL	S1	PL1	PL2	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:

1. BOLTS SHALL BE 7/8" DIA. AASHTO M164 TYPE 3 HIGH STRENGTH BOLTS IN 15/16" 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.
2. ALL FIELD SPLICE CONNECTIONS SHALL BE "SLIP CRITICAL" WITH A CLASS B SURFACE (BLAST CLEAN SURFACE) FOR THE CONTACT SURFACES OF BOLTED PARTS.
3. STEEL FOR SPLICE & FILLER PLATES SHALL BE AASHTO M270 GRADE 50W (ASTM A709, GRADE 50W).
4. HOLES FOR FIELD SPLICES SHALL BE DRILLED IN THE SHOP WHILE STRINGERS ARE ASSEMBLED TO FIT BEARING ELEVATIONS.
5. FILLER PLATE SIZE : MIN. THICKNESS = 1/16" WIDTH = 16" LENGTH = (1/2) (PLI) – 1/8"
6. ALL FLANGE AND WEB SPLICE PLATES SHALL BE CHARPY V-NOTCH TESTED IN ACCORDANCE WITH SECTION 714.01 OF THE SPECIFICATIONS.

Hayashi Corporation
Consulting Engineers

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of 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 Date 10/99	Bridge Design Supervisor J.P. HALSTEAD Date 10/99
PROJECT BOLTON	PROJECT NO. IM-089-2(29)
TVGA CAD Drawing No. 127fs2.dgn	Date 10/99
Bridge Sheet No. C-20	Sheet 20 of 307