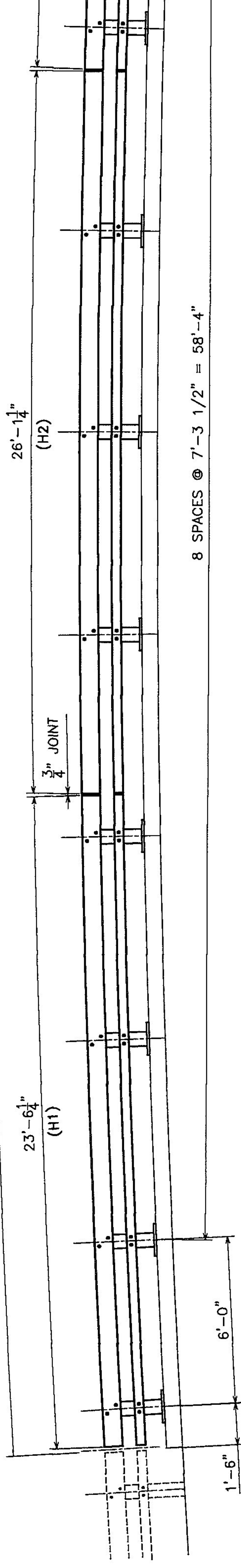


73'-4.500" 2 RAIL BRIDGE RAIL

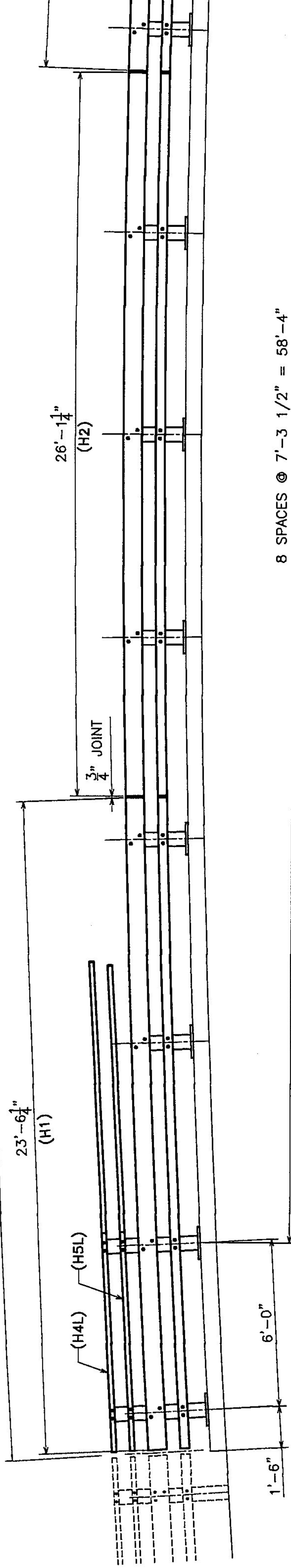


ELEVATION - NORTH BRIDGE RAIL
looking north from ϕ of road

BRIDGE TRUSS

PLAN

73'-4.500" 2 RAIL BRIDGE RAIL



ELEVATION - SOUTH BRIDGE RAIL
looking south from ϕ of road

BILL OF MATERIAL (BOTH SIDES)

Mk.#	Qty.	Description	Size/Shape	Length/Qty	Material
		PED. POST			
18	1	BRIDGE RAIL PED POST 2'-2 3/8" OAH W/ BASE PLATE	W6 x 25	2'-1 3/8"	A709 Gr. 50
18	1	POST UPRIGHT	10" x 1"	1'-2"	A709 Gr. 50
4	4	BRIDGE RAIL PED POST 3'-6 7/8" OAH W/ BASE PLATE	W6 x 25	3'-5 7/8"	A709 Gr. 50
4	4	POST UPRIGHT	10" x 1"	1'-2"	A709 Gr. 50
		SPLICES			
8	8	SPLICE TUBE FOR 8 x 4 RAIL	TS 7x3x3/8	1'-8"	A500 Gr. B
8	8	SPLICE TUBE FOR 4 x 4 RAIL	TS 3x3x5/16	1'-8"	A500 Gr. B
32	32	WELDED LOCK NUT (OUTER HOLES ONLY)	5/8"	---	A563
4	4	SPLICE PLATE FOR 2 x 4 RAIL	3 1/4" x 1 1/4"	1'-8"	A36
		TUBES			
H1	2	UPPER RAIL (SHOP CURVED)	TS 8x4x5/16	23'-6 1/4"	A500 Gr. B
	2	LOWER RAIL (SHOP CURVED)	TS 4x4x1/4	23'-6 1/4"	A500 Gr. B
H2	2	UPPER RAIL (SHOP CURVED)	TS 8x4x5/16	26'-1 1/4"	A500 Gr. B
	2	LOWER RAIL (SHOP CURVED)	TS 4x4x1/4	26'-1 1/4"	A500 Gr. B
H3	2	UPPER RAIL (SHOP CURVED)	TS 8x4x5/16	23'-6 1/4"	A500 Gr. B
	2	LOWER RAIL (SHOP CURVED)	TS 4x4x1/4	23'-6 1/4"	A500 Gr. B
H4L	1	ANGLED UPPER RAIL W/CAP	TS 2x4x1/4	17'-10 3/4"	A500 Gr. B
H5L	1	ANGLED LOWER RAIL W/CAP	TS 2x4x1/4	17'-10 3/4"	A500 Gr. B
H4R	1	ANGLED UPPER RAIL W/CAP	TS 2x4x1/4	17'-10 3/4"	A500 Gr. B
H5R	1	ANGLED LOWER RAIL W/CAP	TS 2x4x1/4	17'-10 3/4"	A500 Gr. B
		HARDWARE			
104	104	ROUND HEAD BOLT WITH LOCK NUT & ROUND WASHER	3/4" DA.	6"	A449 TYPE 1
48	48	HEX BOLT WITH WASHER	5/8" DA.	1.75"	A325
4	4	PIPE SPACER (SCH. 40)	3/4" DA.	1/2"	A53
4	4	END CAP PLATE FOR TS 2x4 RAIL	3/16" x 2"	4"	A36
22	22	BEARING PAD	10"x1/8"	1'-2"	M251

- NOTES:
- BRIDGE RAIL TUBES TO BE SHOP CURVED, (VERTICALLY RADIUS) TO 612" \pm RADIUS.
 - THE FINAL COLOR OF ALL BRIDGE AND APPROACH RAILING SHALL BE BLACK CHIP 27038 PER SUBSECTION 708.03 OF THE STANDARD SPECIFICATION.
 - ALL NEW STRUCTURAL STEEL SHALL BE GALVANIZED.
 - RAIL SPLICES, HARDWARE AND ANCHORS SHALL BE GALVANIZED ONLY.
 - CUT 10'-0" LEG TO FIT, COLD GALV, PAINT AND CAP H4, H5 L & R PROVIDING 0.75" TO 2.50" GAP BETWEEN THE RAIL AND TRUSS.

Vermont Agency
REC'D BY KMH
1:24 P
RESUBMIT
BY KMH

No.	Remarks	Date
2	Miscellaneous corrections	06-06-12
1	Per VAOT comments	05-25-12
0	Initial submittal	04-25-12

REVISIONS