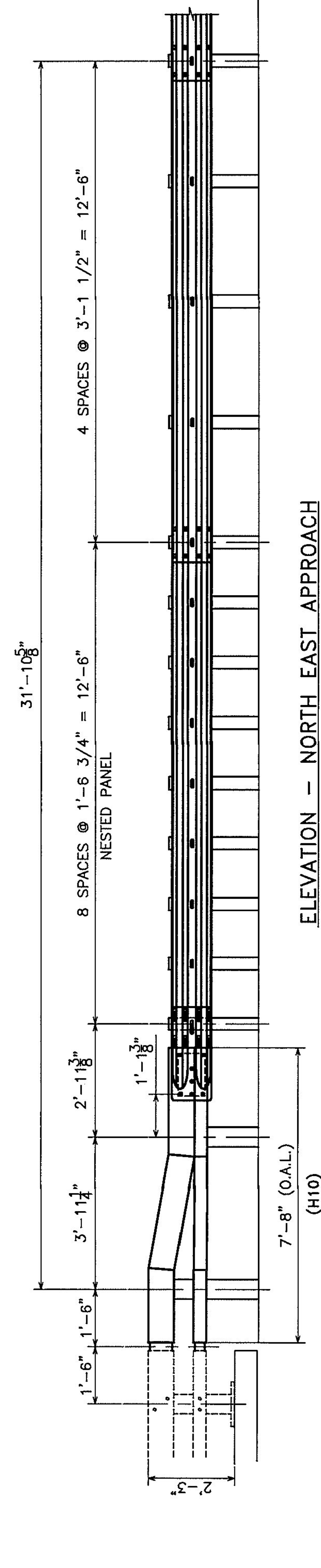


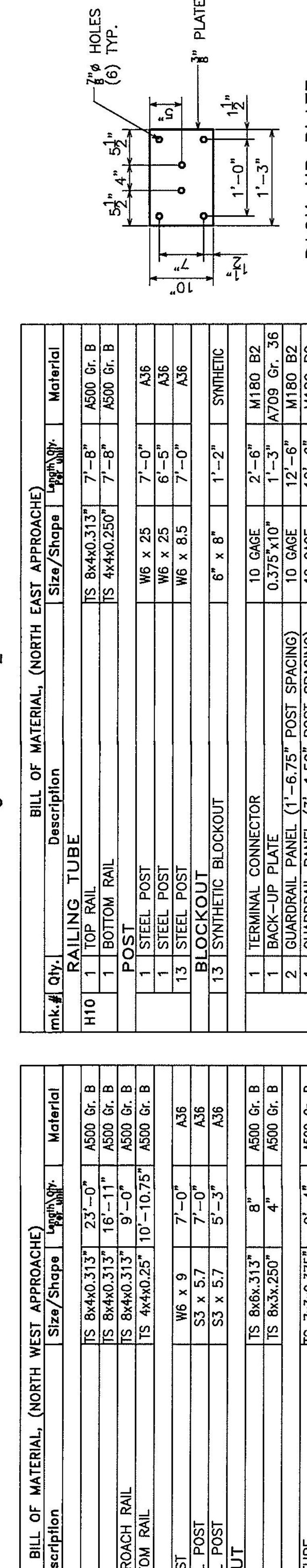
PLAN

8 x 4 RAIL ASSEMBLY DETAIL

ELEVATION - NORTH WEST APPROACH
looking NW from ζ of road



ELEVATION - NORTH EAST APPROACH
looking NE from ζ of road



BILL OF MATERIAL, (NORTH WEST APPROACH)

mk.#	Qty.	Description	Size/Shape	Length	Material
RAILING TUBE					
H6	1	APPROACH RAIL	TS 8x4x0.313"	23'-0"	A500 Gr. B
H7	1	APPROACH RAIL	TS 8x4x0.313"	16'-11"	A500 Gr. B
H8	1	TURN DOWN APPROACH RAIL	TS 8x4x0.313"	9'-0"	A500 Gr. B
H9	1	TURN BACK BOTTOM RAIL	TS 4x4x0.25"	10'-10.75"	A500 Gr. B
POST					
4		HEAVY STEEL POST	W6 x 9	7'-0"	A36
12		TRANSITION STEEL POST	S3 x 5.7	7'-0"	A36
2		TRANSITION STEEL POST	S3 x 5.7	5'-3"	A36
TUBE BLOCKOUT					
4		TUBE BLOCKOUT	TS 8x6x.313"	8"	A500 Gr. B
3		TUBE BLOCKOUT	TS 8x3x.250"	4"	A500 Gr. B
TUBE SPLICE					
1		ANGLED SPLICE TUBE	TS 7x3x0.375"	2'-4"	A500 Gr. B
RAILING ANGLE					
14		12 SHELF ANGLE / 2 END ANGLE	L5x3.5x.625"	6.000	A36
HARDWARE					
14		HEX BOLT w/ NUT, 2 FW, LW	0.75" ϕ	10"	A307
2		HEX BOLT w/ NUT & FW	0.75" ϕ	10"	A307
14		HEX BOLT w/ NUT & FW	0.500" ϕ	2"	A307
14		HEX BOLT w/ NUT & FW	0.500" ϕ	1.500	A307
12		HEX BOLT w/ FW	0.625" ϕ	1.750	A307
7		ROUND HEAD BOLT w/ LOCKNUT, FLAT WASHER	0.750" ϕ	6"	A307
END CAPS					
1		END CAP PLATE	0.188" x 4"	8"	A36
1		END CAP PLATE	0.188" x 4"	4"	A36

BILL OF MATERIAL, (NORTH EAST APPROACH)

mk.#	Qty.	Description	Size/Shape	Length	Material
RAILING TUBE					
H10	1	TOP RAIL	TS 8x4x0.313"	7'-8"	A500 Gr. B
1		BOTTOM RAIL	TS 4x4x0.250"	7'-8"	A500 Gr. B
POST					
1		STEEL POST	W6 x 25	7'-0"	A36
13		STEEL POST	W6 x 25	6'-5"	A36
13		STEEL POST	W6 x 8.5	7'-0"	A36
BLOCKOUT					
13		SYNTHETIC BLOCKOUT	6" x 8"	1'-2"	SMIHEIC
CONNECTOR					
1		TERMINAL CONNECTOR	10 GAGE	2'-6"	M180 B2
2		GUARDRAIL PANEL (1'-6.75" POST SPACING)	0.375"x10"	1'-3"	A709 Gr. 36
2		GUARDRAIL PANEL (3'-1.50" POST SPACING)	10 GAGE	12'-6"	M180 B2
1		GUARDRAIL PANEL (3'-1.50" POST SPACING)	10 GAGE	12'-6"	M180 B2
HARDWARE					
14		ROUND HEAD BOLT w/ LOCK NUT & ROUND WASHER	0.75" ϕ	6"	A307
13		POST BOLT w/ DBL RECESSED NUT, PLATE & WASHER	0.625" ϕ	9.50"	A307
24		PANEL SPLICE BOLT WITH DBL RECESSED NUT	0.625" ϕ	1.25"	A307
END CAPS					
1		END CAP PLATE	0.188" x 4"	8"	A36
1		END CAP PLATE	0.188" x 4"	4"	A36

Vermont Agency
RECORD
CK'D BY GMI
1:24 p
RESUBMIT
BY KMH

No.	Remarks	Date
2	Miscellaneous corrections	06-06-12
1	Per VAOT comments	05-24-12
0	Initial submittal	04-25-12

REVISIONS