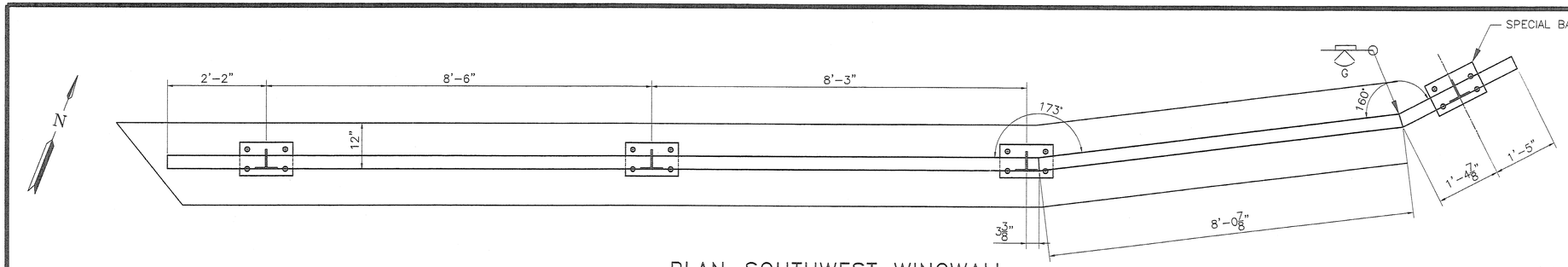
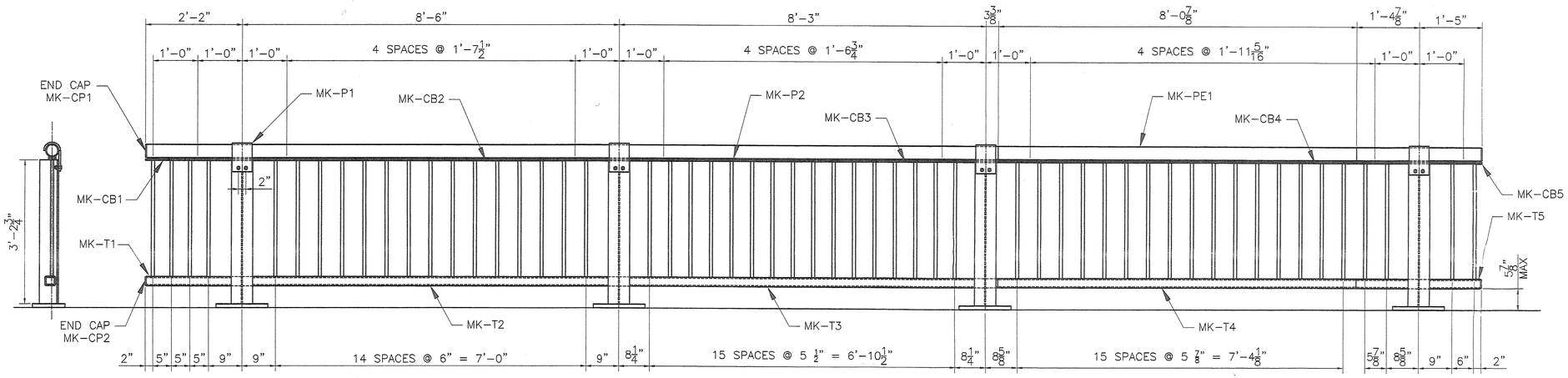
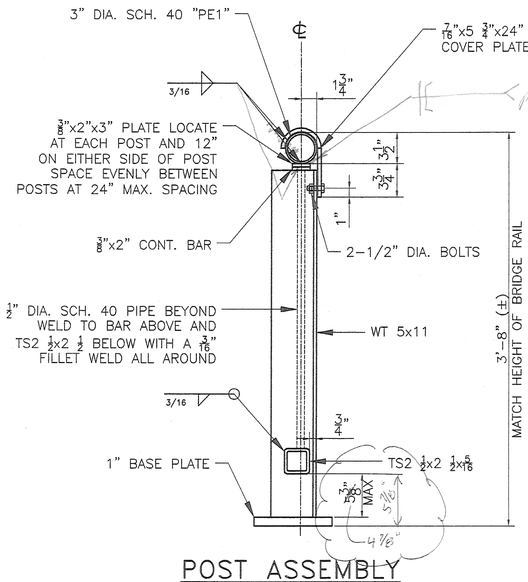


PLAN–SOUTHWEST WINGWALL

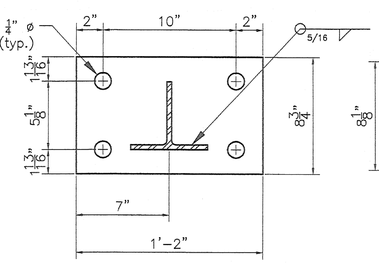


RAIL ELEVATION

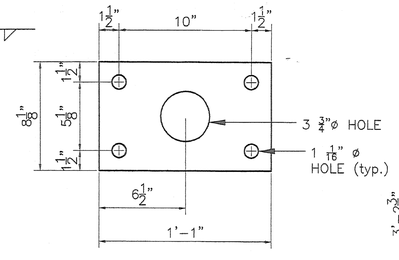
RAIL POST ANCHORAGE



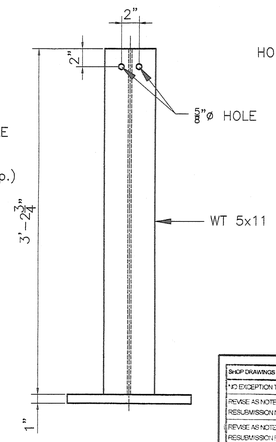
POST ASSEMBLY



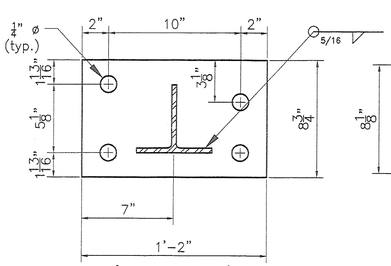
POST & BASE PLATE



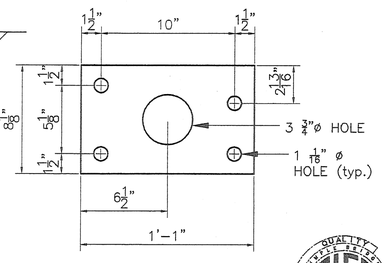
SPACER PLATE



POST DETAIL



(SPECIAL) POST & BASE PLATE



(SPECIAL) SPACER PLATE

Need paint system and surface prep details. This paint system shall be the same as applied to the overall structure.

NOTES:
1. HAND RAIL TO SHALL BE SHOP PAINTED IN ACCORDANCE WITH VT DOT SEC. 513, COLOR GREEN #14062.

2. ALL STEEL FROM RAILING ASSEMBLY SHALL CONFORM TO AASHTO M 270M/M 270 GRADE 36 UNLESS OTHERWISE NOTED. STEEL PIPE SHALL CONFORM TO ASTM A53 GRADE B, SCHEDULE 40. STRUCTURAL TUBING SHALL SHALL CONFORM TO SUBSECTIONS 714.11 OR 732.03.

3. ANCHOR STUDS SHALL MEET THE REQUIREMENTS OF ASTM A449.

4. GRIND ALL SHARP CORNERS TO MIN. 1/16" RADIUS.

REVISIONS		
No.	Remarks	Date
0	Initial submittal	

BILL OF MATERIAL					
Mk.	Qty.	Description	Size/Shape	Length/Qty. per	Material
	3	BRIDGE RAIL PED POST 3'-3 3/4" OAH W/ BASE PLATE			
	3	POST UPRIGHT	WT 5x11	3'-2 3/4"	M270 Gr. 36
	3	POST BASE PLATE	1" x 8 3/4"	1'-2"	M270 Gr. 36
	1	BRIDGE RAIL PED POST 3'-3 3/4" OAH W/ BASE PLATE			
	1	POST UPRIGHT	WT 5x11	3'-2 3/4"	M270 Gr. 36
	1	POST BASE PLATE	1" x 8 3/4"	1'-2"	M270 Gr. 36
	3	ANCHOR PLATE	3/8" x 8 1/4"	1'-1"	A36
	1	ANCHOR PLATE	3/8" x 8 1/4"	1'-1"	A36
PE1	1	UPPER PIPE SCH. 40	3.5" O.D.	30'-1 1/8"	A53 Gr. B
PE2	55	VERTICAL PIPE SCH. 40	0.840" O.D.	2'-7 3/8"	A53 Gr. B
T1	1	LOWER RAIL	TS 2.5x2.5x5/16	2'-1 13/16"	A500 Gr. B
T2	1	LOWER RAIL	TS 2.5x2.5x5/16	8'-5 5/8"	A500 Gr. B
T3	1	LOWER RAIL	TS 2.5x2.5x5/16	8'-2 5/8"	A500 Gr. B
T4	1	LOWER RAIL	TS 2.5x2.5x5/16	9'-6 1/16"	A500 Gr. B
T5	1	LOWER RAIL	TS 2.5x2.5x5/16	1'-4 13/16"	A500 Gr. B
P1	4	BENT COVER PLATE	7/16"x5 3/4"	2'-0"	M270 Gr. 36
P2	18	PLATE	3/8"x2"	3"	M270 Gr. 36
CB1	1	CONTINUOUS BAR	3/8"x2"	2'-1 13/16"	M270 Gr. 36
CB2	1	CONTINUOUS BAR	3/8"x2"	8'-5 5/8"	M270 Gr. 36
CB3	1	CONTINUOUS BAR	3/8"x2"	8'-2 5/8"	M270 Gr. 36
CB4	1	CONTINUOUS BAR	3/8"x2"	9'-6 1/16"	M270 Gr. 36
CB5	1	CONTINUOUS BAR	3/8"x2"	1'-4 13/16"	M270 Gr. 36
	16	ANCHOR BOLTS	1" DIA.	12"	A449
	32	HEX NUT	1" DIA.	– – –	A563DH
	16	JAMB NUT	1" DIA.	– – –	A563DH
	16	WASHER	1" DIA.	– – –	F436
	8	HEX BOLT	1/2" DIA.	1.5"	A325
	8	HEX NUT	1/2" DIA.	– – –	A563DH
	2	PIPE END CAP	3.313"ø	1/4"	A36
	2	END CAP	2.25"x2.25"	1/4"	A36

SHOP DRAWINGS ARE REVIEWED UNLESS NOTED OTHERWISE
- NO EXCEPTION TAKEN
- REVISE AS NOTED / RESUBMISSION NOT REQUIRED ✓
- REVISE AS NOTED / RESUBMISSION REQUIRED
- REJECTED

Stantec

DATE 8/12/08

SIGNATURE Michael Clements

REVIEW BY STANTEC IS FOR THE SOLE PURPOSE OF ASCERTAINING GENERAL CONFORMITY WITH DESIGN. CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS, FABRICATION AND CONSTRUCTION METHODS. COORDINATION OF SUB-TRADES. DETAIL DESIGN OF COMPONENTS, AND ERRORS OR OMISSIONS ON SHOP DRAWINGS.

HIGHWAY SAFETY CORP.
GLASTONBURY, CT

RAILING REPLACEMENT

RICHFORD, VERMONT

PROJECT NO. BHF 0302 (3) S

GENERAL CONTRACTOR

SUB CONTRACTOR
F.R. LAFAYETTE

DRAWN	MHM
CHECKED	P Radtke
DATE	7/22/08
SCALE	N.T.S.
HSC REFERENCE NO.	1658
SIZE	D
REVISION	0
SHEET NO.	1 of 2