

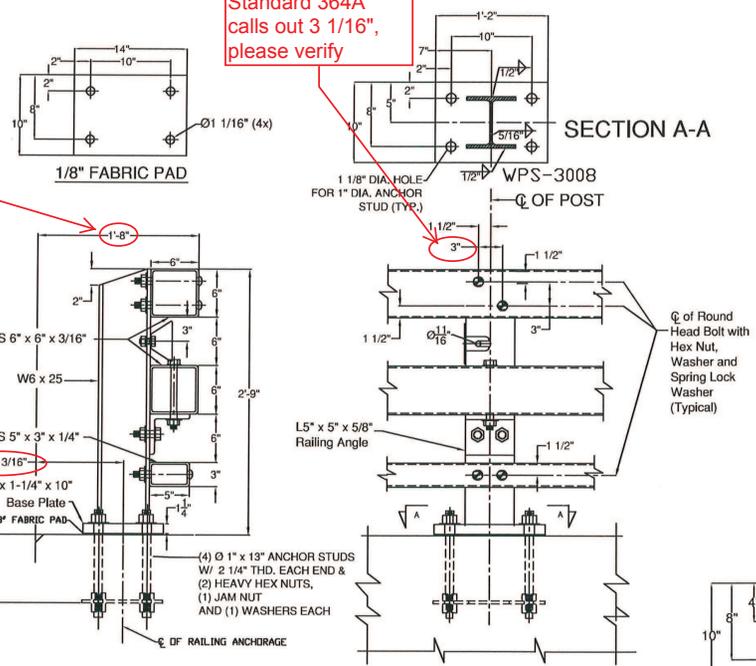
WEST RAILING FACING WEST
EAST RAIL SIMILAR

BILL OF MATERIAL				
ITEM #	QTY	PART #	DESCRIPTION	ASTM DESIGNATION
1	22	0033.03610	W6x25, THREE RAIL POST @ 2'-9" DA ON 1 1/4x10x1'-2" B.P.	A572 Gr. 50
2	4	0033.91066	HSS 3" X 5" X 1/4" RAIL @ 27'-11 1/2"	A500 Gr. B
3	2	0033.91067	HSS 3" X 5" X 1/4" RAIL @ 28'-3"	A500 Gr. B
4	8	0033.91068	HSS 6" X 6" X 3/16" RAIL @ 29'-11 1/2"	A500 Gr. B
5	4	0033.91069	HSS 6" X 6" X 3/16" RAIL @ 28'-3"	A500 Gr. B
6	4	0033.00840	2-1/8" X 4-1/4" FIX. SPLICE BAR @ 2'-3"	A572 Gr. 50
7	8	0033.00640	HSS 5" X 5" X 5/16" FIX. SPLICE TUBE @ 2'-3"	A572 Gr. 50
8	22	0033.00220	3/8" X 10" X 14" ANCHOR PLATES	A572 Gr. 50
9	22	0033.90050	1/8" X 10" X 14" FABRIC PAD	AASHTO M251
10	88	0042.21013	Ø 1" X 13" ANCHOR STUDS, W/ 2 1/4" THD. EACH END	A449 Gr. 1, CLASS 8.8
11	176	0080.18901	Ø 1" HEAVY HEX NUTS	A563
12	88	0080.18911	Ø 1" FLAT WASHERS	F436
13	88	0080.18905	Ø 1" HEX JAM NUTS	A563
14	88	0080.07500	Ø 7/8" X 8" ROUND HEAD BOLT, NUT, SQ. WASHER, L.W.	A449, A563, F436, ASME D18.2
15	22	0080.06400	Ø 3/4" X 8" HEX BOLT, NUT, (2) F.W., & L.W.	A325, A563, F436, & ASME D18.2
16	44	0080.06140	Ø 3/4" X 2-3/4" HEX BOLT, NUT, (2) F.W., & L.W.	A325, A563, F436, & ASME D18.2
17	32	0080.06340	Ø 3/4" X 7-1/2" HEX BOLT, NUT, & (2) F.W.	A325, A563, & F436
18	16	0080.06255	Ø 3/4" X 4-1/2" HEX BOLT, NUT, & (2) F.W.	A325, A563, & F436
19	22	0033.00500	L5" X 5" X 5/8" RAILING ANGLE @ 6"	A572 Gr. 50
20	N/A		DELINEATORS	(SUPPLIED BY CUSTOMER)

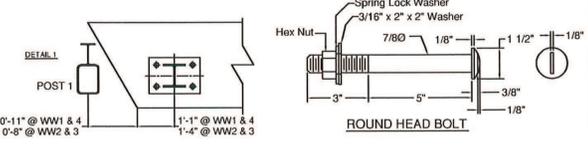
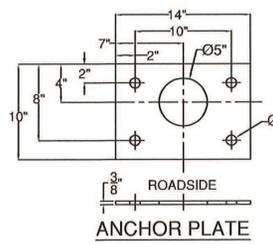
Standard 364A calls out 3 1/16", please verify

2- 1 1/2" PER CONTRACT PLANS

A36



UPDATE DIMENSION



ITEM #: 525.335
APPROVED BY: [Signature]
Vermont Agency of Transportation
RECEIVED
CK'D BY JG OK'D BY JS
February 20, 2014
RESUBMIT YES Rejected
BY KH DATE 3-12-2014

F.R. LAFAYETTE, PITTSFIELD
BRIDGE RAIL DETAILS SHEET
PITTSFIELD, ER BR# 022-1 (23), VT ROUTE 100, (MINOR ARTERIAL) BRIDGE 124
TOWN OF PITTSFIELD, RUTLAND COUNTY, VERMONT

R NO.	DATE	DESCRIPTION	BY	R NO.	DATE	DESCRIPTION	BY

ELDERLEE, INC.
OAKS CORNERS, NEW YORK 14618
E-Mail: elery@elderlee.com
Tel: 315-789-6670 Fax: 315-789-8815

SCALE: SCHEMATIC
DRAWING NO. F.R. LAFAYETTE, PITTSFIELD

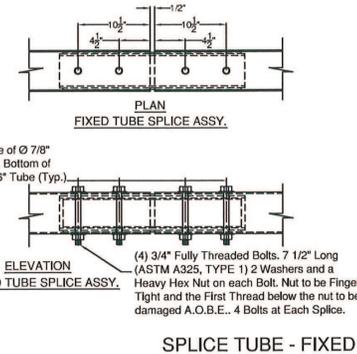
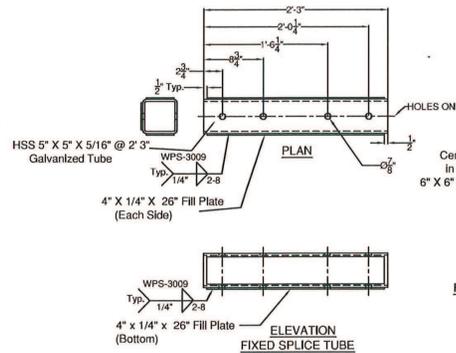
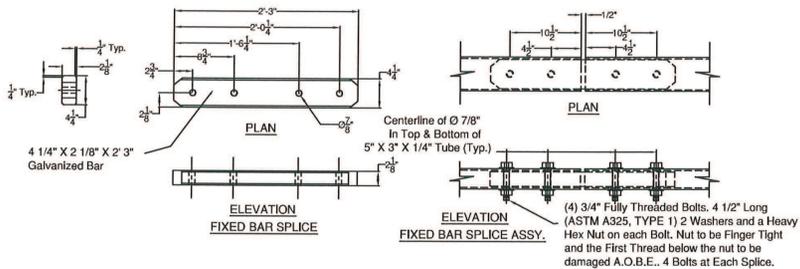
SECTION

ELEVATION
STEEL BRIDGE RAILING

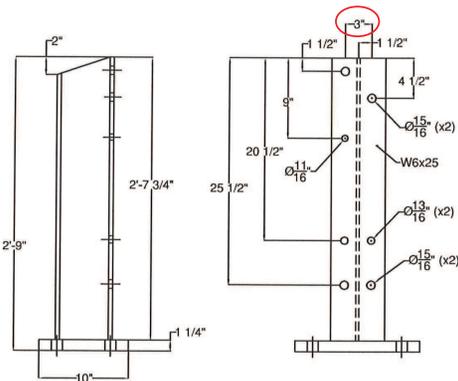
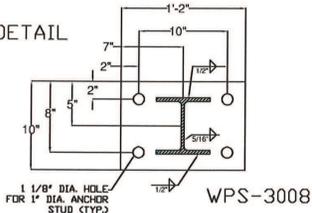
ANCHOR PLATE

SHEET 1 OF 2

SPLICE BAR - FIXED

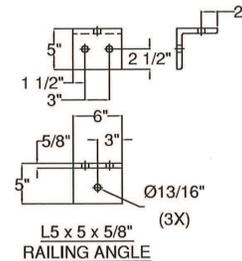


BRIDGE POST DETAIL



GENERAL NOTES:

- 1) ALL RAILING IS TO BE FABRICATED AND ERECTED ACCORDING TO SECTION 525 OF THE STANDARD SPECIFICATIONS.
- 2) PRIOR TO GALVANIZING THE ASSEMBLED POST, GRIND ALL EDGES TO A MINIMUM RADIUS OF 1/16".
- 3) BOLTS SHALL BE TORQUED SNUG TIGHT (APPROXIMATELY 100 FT-LB).
- 4) RAIL TUBE EXPANSION JOINTS SHALL BE PROVIDED IN ANY RAIL BAY SPANNING THE END OF AN INTEGRAL ABUTMENT BRIDGE AND AT ALL SUPER STRUCTURE EXPANSION JOINTS. EXPANSION JOINT WIDTH SHALL BE 4" @ 68°F AND WILL BE ADJUSTED IN THE FIELD BY THE ENGINEER FOR OTHER TEMPERATURES.
- 5) RETROREFLECTIVE MATERIAL SHALL MEET THE REQUIREMENTS OF SUBSECTION 750.08 AND SHALL BE A .063" ALUMINUM BACKING WHITE OR YELLOW REFLECTOR. WHITE IS TO BE INSTALLED ON THE DRIVERS RIGHT. FOR ONE WAY BRIDGES, YELLOW IS TO BE INSTALLED ON THE DRIVERS LEFT.
- 6) PROTRUSIONS CAUSED BY WELDING OR GALVANIZING ARE NOT PERMITTED ON THE ADJOINING SURFACES OF THE BOX BEAM RAILS, SPLICE TUBES AND FILL PLATES.
- 7) THE MINIMUM DISTANCE FROM THE POST TO AN EXPANSION JOINT SHALL BE DETERMINED BY THE MINIMUM EDGE DISTANCE OF 5" FROM ANY ANCHOR STUD TO THE END OF THE SLAB, OR THE EXPANSION JOINT RECESS POUR, IF ONE IS USED.
- 8) ALL POST SHALL BE SET NORMAL TO GRADE. THE MAXIMUM CENTER TO CENTER SPACING OF BRIDGE RAIL POST IS 8' 3".
- 9) ANY BENDING OF RAIL SHALL BE DONE AT THE FABRICATION PLANT. RADII GREATER THAN 16' TO BE CURVED ON A TUBE BENDING MACHINE, RADII LESS THAN 16' TO BE "PIE CUT" AND WELDED.
- 10) STD. SPLICE HOLES ONLY IN BRIDGE RAIL TUBES. REST TO BE DRILLED BY CUSTOMER. FIELD DRILLED HOLES TO BE COATED WITH AN APPROVED ZINC-RICH PAINT PRIOR TO INSTALLATION.
- 11) THIS RAILING MEETS THE REQUIREMENTS FOR A TL-4 SERVICE LEVEL.



ITEM #: 525.335

APPROVED BY:

Vermont Agency of Transportation

RECEIVED

CK'D BY JG OK'D BY JS

February 20, 2014

RESUBMIT YES Rejected

BY KH DATE 3-12-2014

F.R. LAFAYETTE, PITTSFIELD

SHEET 2 OF 2

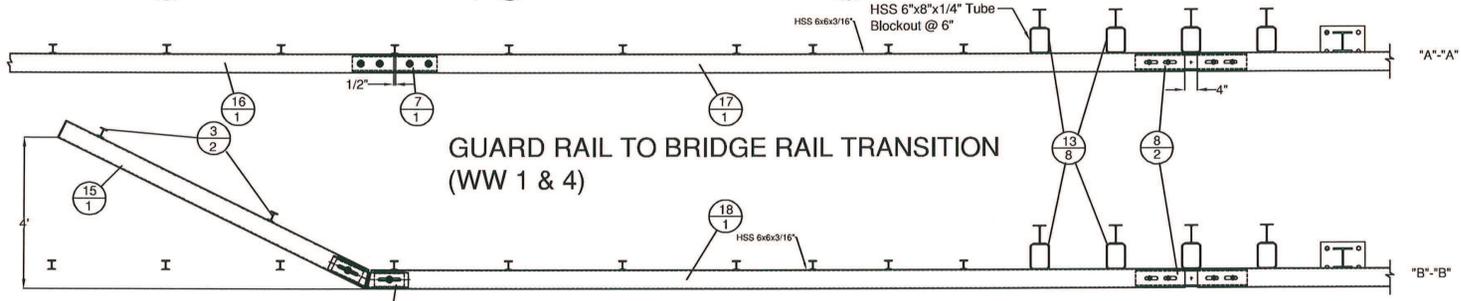
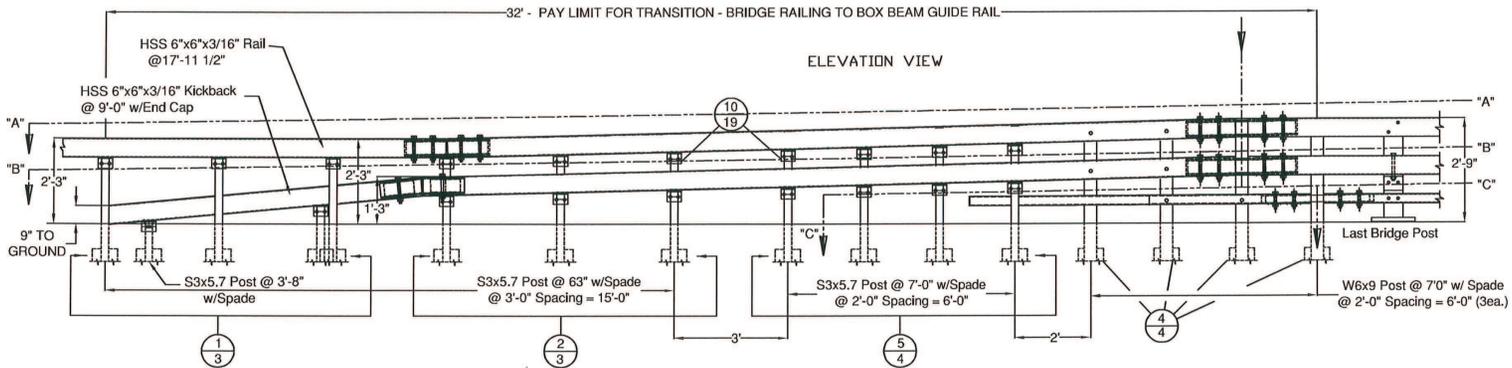
BRIDGE RAIL DETAILS SHEET

PITTSFIELD, ER BR# 022-1 (23), VT ROUTE 100, (MINOR ARTERIAL) BRIDGE 124

TOWN OF PITTSFIELD, RUTLAND COUNTY, VERMONT

R	NO.	DATE	DESCRIPTION	BY	R	NO.	DATE	DESCRIPTION	BY
E					E				
V					V				

<p>ELDERLEE, INC. OAKS CORNERS, NEW YORK 14518 E-Mail: eldlee@elderlee.com Tel: 315-789-6670 Fax: 315-789-6615</p>	<p>REGISTERED PROFESSIONAL ENGINEER</p>	DRAWN E.P. 2/4/14
	CHECKED D.L. 2/4/14	
	APPROVED	
	SCALE SCHEMATIC	
DRAWING NO. F.R. LAFAYETTE, PITTSFIELD		



SPLICE NOT DETAILED

ITEM 11 IS NOT CALLED OUT OR DETAILED

BILL OF MATERIALS, WW 1 & 4

ITEM #	QTY.	COMPONENT #	DESCRIPTION	MATERIAL QASTD
1	3	0013.57801	SP T-POST, PUNCH SP W/SPB @ 63" LG	ASTM A572 Gr. 50
2	3	0013.57825	SP T-POST, PUNCH SP, & SP W/SPB @ 63" LG	ASTM A572 Gr. 50
3	2	0013.57860	SP T-CHD POST W/SPB @ 3'-8" LG	ASTM A572 Gr. 50
4	4	0013.57801	WAGON POST @ 7" W/SPB @ 3'0" HOLES	ASTM A572 Gr. 50
5	4	0013.57810	SP T-POST, PUNCH SP & SP W/SPB SPARK WP	ASTM A572 Gr. 50
6	1	0023.00460	ASTM Gr. B	ASTM Gr. B
7	1	0023.00460	HSS 5x5 TUBE SPlice 60" LG W/ 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
8	2	0023.00730	HSS 5x5 EXP TUBE SPlice @ 30" LG W/ 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
9	1	0023.00730	HE EXP TUBE SPlice @ 1/2" X 4'-11" @ 30" LG	ASTM A500
10	19	0054.00020	RED BB SHELF ANGLES @ 4'-1/2"	ASTM A36
11	1	0054.00074	HSS 5x5 BHC HEAVY TUBE SP @ 63" LG	A500 Gr. B / A572 Gr. 50
12	1	0054.00065	6x6" TRANS. TUBE 3/4" @ 6" LG	A500 Gr. B
13	3	0054.00065	6x6" TRANS. TUBE 3/4" @ 6" LG	A500 Gr. B
14	3	0054.00065	6x6" TRANS. TUBE 3/4" @ 6" LG	A500 Gr. B / A56
15	1	0054.00065	6x6" TRANS. TUBE 3/4" @ 6" LG	A500 Gr. B / A56
16	0.5	0054.18000	6x6" BB @ 17'-11 1/2" BRILL 3" GC	A500 Gr. B
17	1	0054.00096	6x6" BB TRS TRANS @ 29'-3" SPAC LG W/EXP END	A500 Gr. B
18	1	0054.00096	6x6" BB TRS TRANS @ 21'-4 3/8" LG W/EXP END	A500 Gr. B
19	18	0088.03205	3/4" X 7 1/2" BOLT, NUT, & E FV	A307, A563, F436
20	19	0088.04100	1/2" X 1-1/2" BOLT, NUT, & E FV	A307, A563, F436
21	28	0088.04100	1/2" X 1-1/2" BOLT, NUT, E FV & LV	A307, A563, F436
22	4	0088.06250	3/4" X 4'-0" BOLT, NUT, E FV	A307, A563, F436
23	12	0088.06250	3/4" X 7'-0" BOLT, NUT, E FV	A307, A563, F436
24	6	0088.06270	3/4" X 8" CARB BOLT, NUT, FV & LV	A307, A563, F436
25	8	0088.06400	3/4" X 8" BOLT, NUT, E FV, & LV	A307, A563, F436

HARDWARE NOTES

ITEM #	FUNCTION
19	BOLT RAIL TO SHELF ANGLE CITEM #10
20	BOLT SHELF ANGLE CITEM #5 TO & 10 TO POST
21	BOLT BLOCK-OUTS CITEM #5 TO & 14 TO HEAVY POST
22	6x6 PER SPlice BAR CITEM #9
23	6x6 PER SPlice TUBING CITEM #5 TO & 8
24	BOLT RAIL CITEMS #5, 6, 7, & 18 TO BLOCK-OUTS CITEM #5 TO & 14 (WHERE FASTENED)
25	BOLT DOUBLE-BEND SPlice TUBE CITEM #10 TO RAIL, CITEM #10 TO KICKBACK CITEM #10

ITEM # 621.725

APPROVED BY:

F.R. LAFAYETTE, PITTSFIELD

SHEET 1 OF 8

GUARD RAIL TO BRIDGE RAIL TRANSITION DETAILS SHEET
PITTSFIELD, FR BR# 022-1 (23), VT ROUTE 100, (MINOR ARTERIAL) BRIDGE 124
TOWN OF PITTSFIELD, RUTLAND COUNTY, VERMONT

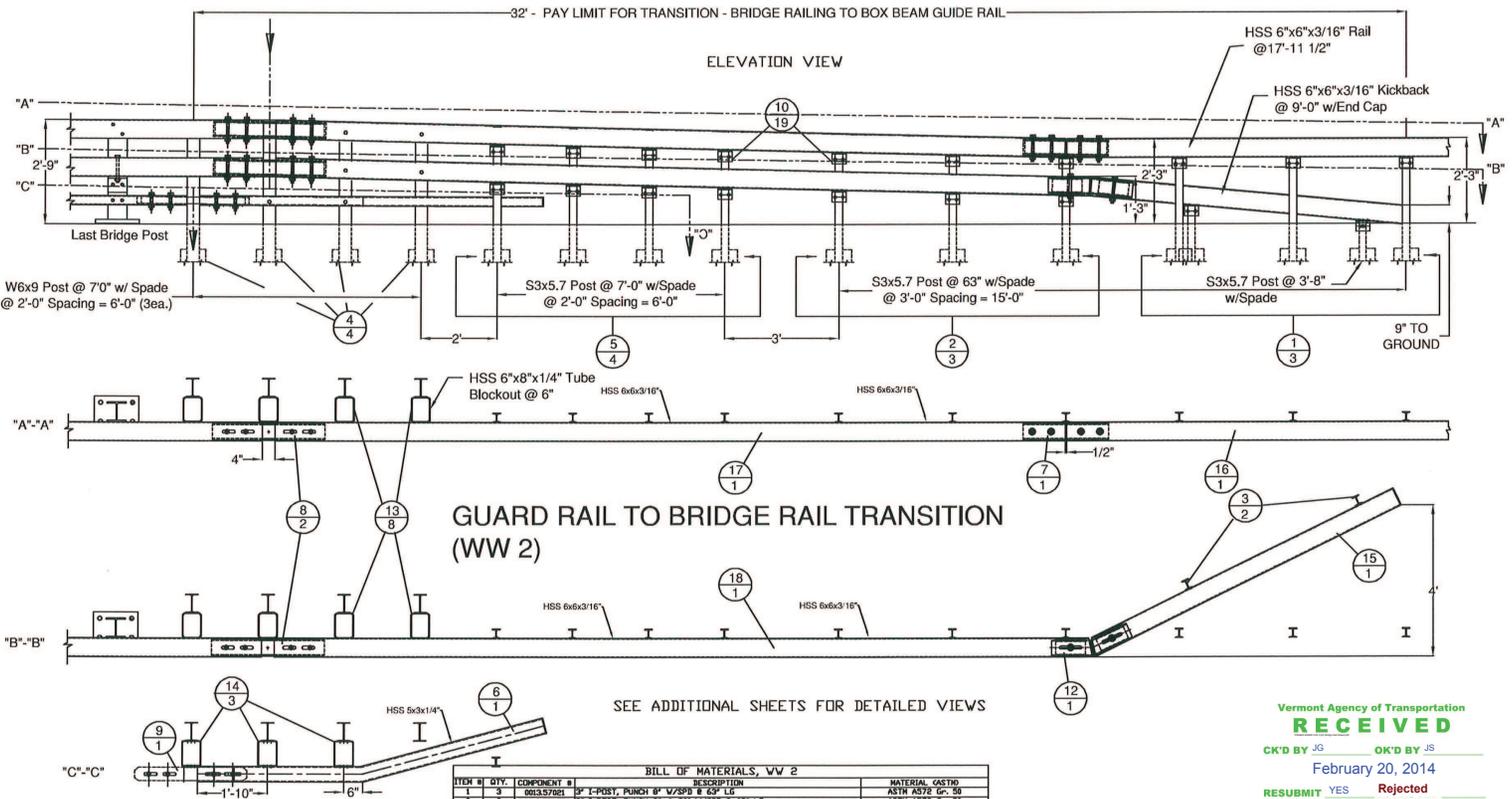
R	NO.	DATE	DESCRIPTION	BY	R	NO.	DATE	DESCRIPTION	BY

ELDERLEE, INC.
OAKS CORNERS, NEW YORK 14618
E-Mail: dlong@elderlee.com / speck@elderlee.com
Tel: 516-788-0070 Fax: 516-788-8616

DRAWN: E.P. 2/19/14
CHECKED: D.L. 2/19/14
APPROVED: [Signature]
SCALE: 1
SCHEMATIC
DRAWING NO.: F.R. LAFAYETTE, PITTSFIELD

Vermont Agency of Transportation
RECEIVED
OK'D BY JG
February 20, 2014
RESUBMIT YES Rejected
BY KH DATE 3-12-2014

SEE NOTE #2 OF STD S-364C. ONLY 7 1/2" BOLTS ARE NEEDED



GUARD RAIL TO BRIDGE RAIL TRANSITION (WW 2)

SEE ADDITIONAL SHEETS FOR DETAILED VIEWS

SEE PRIOR COMMENTS

BILL OF MATERIALS, WW 2

ITEM #	QTY	COMPONENT #	DESCRIPTION	MATERIAL, Q6210
1	3	0013.57001	3" I-POST, PUNCH 8" W/200 # 60° LG	ASTM A375 Gr. 50
2	3	0013.57002	3" I-POST, PUNCH 8", 8" W/SPB 8 63° LG	ASTM A375 Gr. 50
3	2	0013.57003	3" I-POST, PUNCH 8", 8" W/SPB 8 63° LG	ASTM A375 Gr. 50
4	4	0013.57004	W6x9 POST @ 70" W/200 # 60° LG	ASTM A375 Gr. 50
5	4	0013.57005	3" I-POST, PUNCH 8", 8" W/SPB 8 63° LG	ASTM A375 Gr. 50
6	1	0013.57006	3" I-POST, PUNCH 8", 8" W/SPB 8 63° LG	ASTM A375 Gr. 50
7	1	0013.57007	3" I-POST, PUNCH 8", 8" W/SPB 8 63° LG	ASTM A375 Gr. 50
8	2	0013.57008	HSS 5x5 TUBE SPLICE 80" LG W/ 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
9	2	0013.57009	HSS 5x5 EXP TUBE SPLICE 80" LG W/ 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
10	1	0013.57010	HSS 5x5 TUBE SPLICE 80" LG W/ 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
11	1	0013.57011	HSS 5x5 TUBE SPLICE 80" LG W/ 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
12	1	0013.57012	HSS 5x5 TUBE SPLICE 80" LG W/ 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
13	8	0054.00523	6x8" TRANS. TUBE B/D 8" 6" LG	A500 Gr. B
14	3	0054.00524	6x8" TRANS. TUBE B/D 8" 6" LG	A500 Gr. B
15	1	0054.00525	6x8" TRANS. TUBE B/D 8" 6" LG	A500 Gr. B / A36
16	0.5	0054.00526	8x6" BB 8" 17'-11 1/2" BRILL 3" DC	A500 Gr. B
17	1	0054.00527	8x6" BB 8" 17'-11 1/2" BRILL 3" DC	A500 Gr. B
18	1	0054.00528	8x6" BB 8" 17'-11 1/2" BRILL 3" DC	A500 Gr. B
19	18	0095.03205	3/8" x 7 1/2" BOLT, NUT, & E FV	A307, A563, F436
20	19	0095.03206	1/2" x 1-1/2" BOLT, NUT, & E FV	A307, A563, F436
21	28	0095.03207	1/2" x 1-1/2" BOLT, NUT, & E FV	A307, A563, F436
22	4	0095.03208	3/4" x 4-1/2" BOLT, NUT, & E FV	A307, A563, F436
23	15	0095.03209	3/4" x 7 1/2" BOLT, NUT, & E FV	A307, A563, F436
24	6	0095.03210	3/4" x 8" BOLT, NUT, & E FV	A307, A563, F436
25	8	0095.03211	3/4" x 8" BOLT, NUT, & E FV	A307, A563, F436

ITEM #: 621.725

APPROVED BY:

F.R. LAFAYETTE, PITTSFIELD

SHEET 2 OF 8

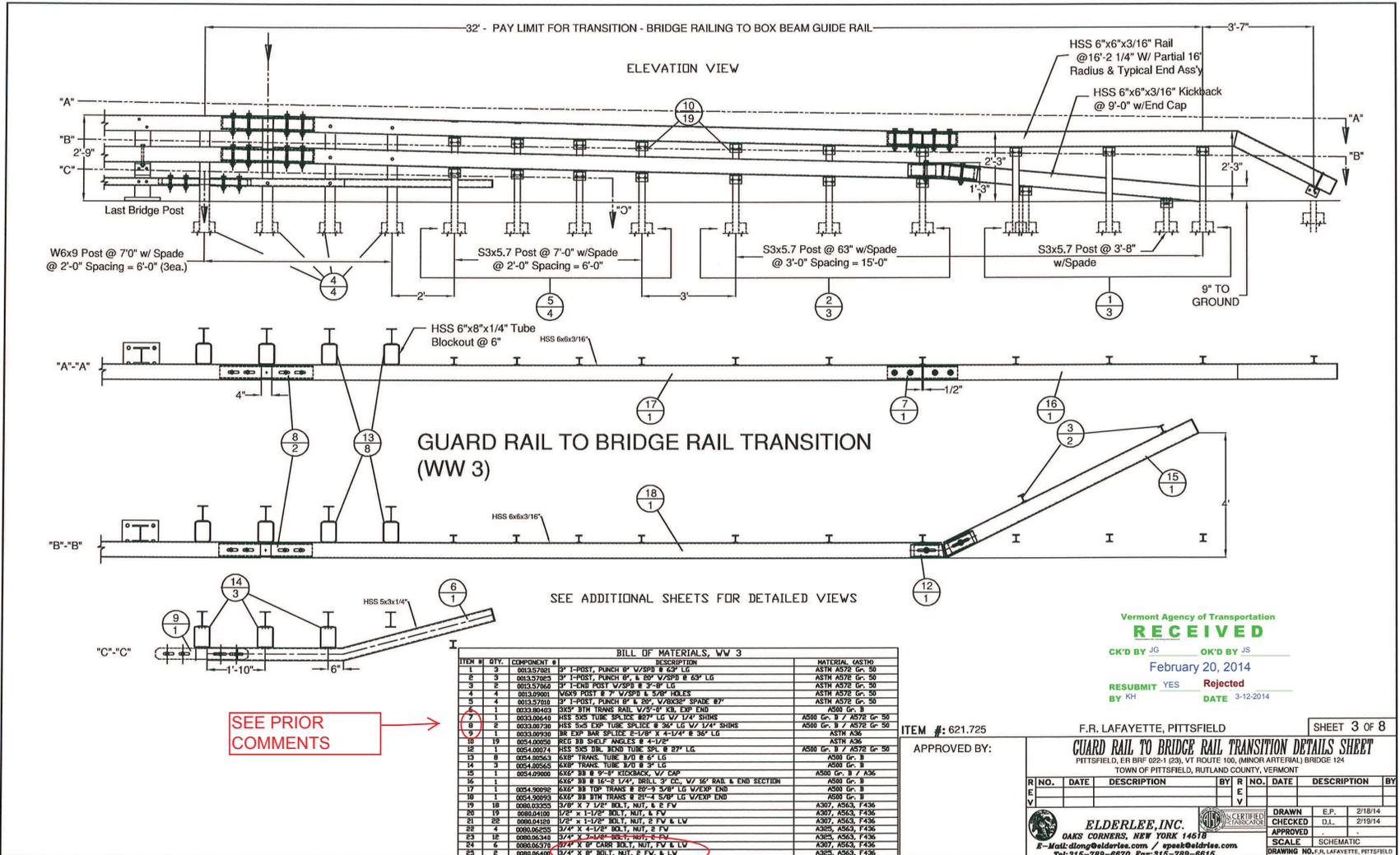
GUARD RAIL TO BRIDGE RAIL TRANSITION DETAILS SHEET
 PITTSFIELD, FR BR# 025-1 (23), VT ROUTE 100, (MINOR) ARTERIAL BRIDGE 124
 TOWN OF PITTSFIELD, RUTLAND COUNTY, VERMONT

Vermont Agency of Transportation
RECEIVED
 CK'D BY JS OK'D BY JS
 February 20, 2014
 RESUBMIT YES Rejected
 BY KH DATE 3-12-2014

R NO.	DATE	DESCRIPTION	BY	R NO.	DATE	DESCRIPTION	BY

ELDERLEE, INC.
 OAKS CORNERS, NEW YORK 14518
 E-Mail: elson@elderlee.com / epe@elderlee.com
 Tel: 315-780-6870 Fax: 315-780-6816

DRAWN	E.P.	2/18/14
CHECKED	D.L.	2/19/14
APPROVED		
SCALE		
DRAWING NO.	JL/LAFAYETTE, PITTSFIELD	



GUARD RAIL TO BRIDGE RAIL TRANSITION (WW 3)

SEE ADDITIONAL SHEETS FOR DETAILED VIEWS

BILL OF MATERIALS, WW 3

ITEM #	QTY	COMPONENT #	DESCRIPTION	MATERIAL QASTD
1	3	0013.5701	3" I-POST, PUNCH Ø" 1/2" Ø" 6" LG	ASTM A572 Gr. 50
2	3	0013.5702	3" I-POST, PUNCH Ø" 1/2" Ø" 6" LG	ASTM A572 Gr. 50
3	2	0013.5703	3" I-POST, PUNCH Ø" 1/2" Ø" 6" LG	ASTM A572 Gr. 50
4	4	0013.5704	W6X9 POST Ø" 7" Ø" 6" LG	ASTM A572 Gr. 50
5	4	0013.5705	3" I-POST, PUNCH Ø" 1/2" Ø" 6" LG	ASTM A572 Gr. 50
6	1	0013.5706	3" I-POST, PUNCH Ø" 1/2" Ø" 6" LG	ASTM A572 Gr. 50
7	1	0013.5707	3" I-POST, PUNCH Ø" 1/2" Ø" 6" LG	ASTM A572 Gr. 50
8	2	0013.5708	HSS 5X5 TUBE SPLICE Ø" 5" LG 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
9	1	0013.5709	HSS 5X5 TUBE SPLICE Ø" 5" LG 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
10	1	0013.5710	HSS 5X5 TUBE SPLICE Ø" 5" LG 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
11	1	0013.5711	HSS 5X5 TUBE SPLICE Ø" 5" LG 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
12	1	0013.5712	HSS 5X5 TUBE SPLICE Ø" 5" LG 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
13	1	0013.5713	HSS 5X5 TUBE SPLICE Ø" 5" LG 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
14	3	0013.5714	HSS 5X5 TUBE SPLICE Ø" 5" LG 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
15	1	0013.5715	HSS 5X5 TUBE SPLICE Ø" 5" LG 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
16	1	0013.5716	HSS 5X5 TUBE SPLICE Ø" 5" LG 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
17	1	0013.5717	HSS 5X5 TUBE SPLICE Ø" 5" LG 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
18	1	0013.5718	HSS 5X5 TUBE SPLICE Ø" 5" LG 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
19	1	0013.5719	HSS 5X5 TUBE SPLICE Ø" 5" LG 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
20	1	0013.5720	HSS 5X5 TUBE SPLICE Ø" 5" LG 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
21	2	0013.5721	HSS 5X5 TUBE SPLICE Ø" 5" LG 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
22	4	0013.5722	HSS 5X5 TUBE SPLICE Ø" 5" LG 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
23	1	0013.5723	HSS 5X5 TUBE SPLICE Ø" 5" LG 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
24	6	0013.5724	HSS 5X5 TUBE SPLICE Ø" 5" LG 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
25	8	0013.5725	HSS 5X5 TUBE SPLICE Ø" 5" LG 1/4" SHIMS	A500 Gr. B / A572 Gr. 50

SEE PRIOR COMMENTS

ITEM #: 621.725
APPROVED BY:

Vermont Agency of Transportation
RECEIVED
KCD BY JG OK'D BY JS
February 20, 2014
RESUBMIT YES Rejected
BY KH DATE 3-12-2014

F.R. LAFAYETTE, PITTSFIELD

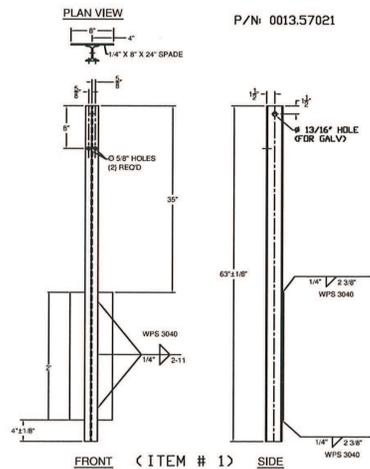
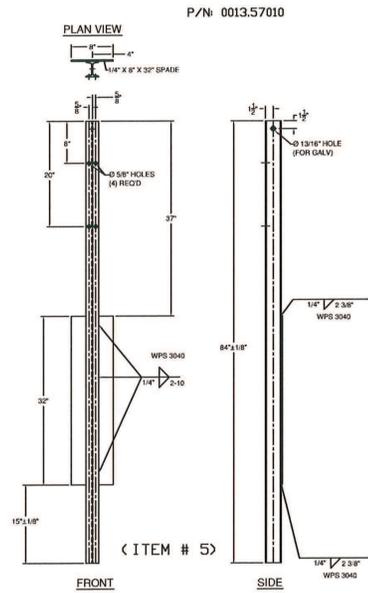
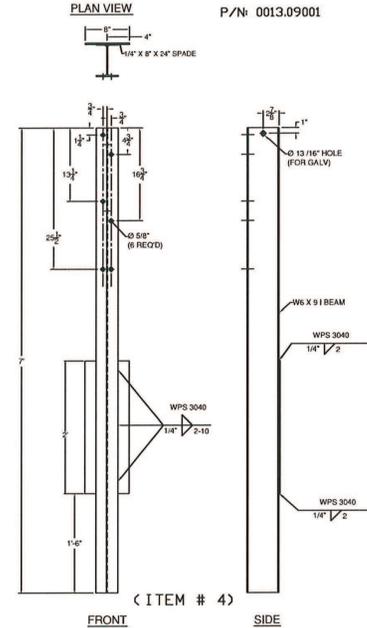
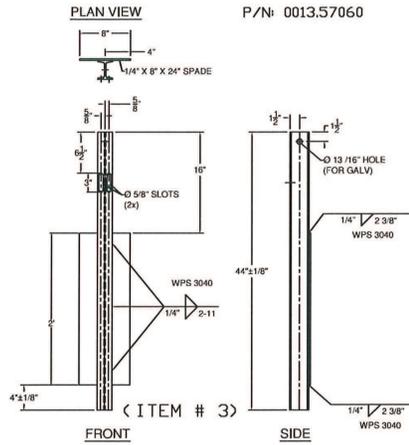
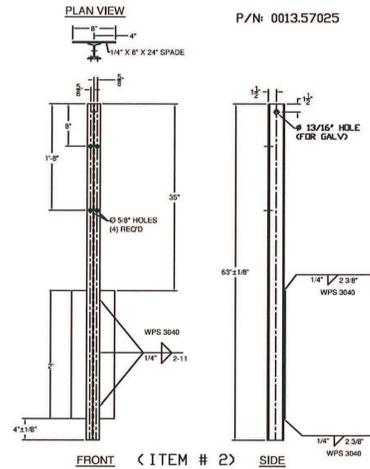
SHEET 3 OF 8

GUARD RAIL TO BRIDGE RAIL TRANSITION DETAILS SHEET
PITTSFIELD, FR BPF 025-1 (23), VT ROUTE 100, (MINOR ARTERIAL) BRIDGE 124
TOWN OF PITTSFIELD, RUTLAND COUNTY, VERMONT

R	NO.	DATE	DESCRIPTION	BY	R	NO.	DATE	DESCRIPTION	BY

ELDERLEE, INC.
OAKS CORNERS, NEW YORK 14518
E-Mail: dlong@elderlee.com / epes@elderlee.com
Tel: 315-780-6870 Fax: 315-780-6816

DRAWN E.P. 2/18/14
CHECKED D.L. 2/19/14
APPROVED
SCALE SCHEMATIC
DRAWING NO. J.L. LAFAYETTE, PITTSFIELD



GENERAL NOTES:

- 1) ALL RAILING IS TO BE FABRICATED AND ERECTED ACCORDING TO SECTION 525 OF THE STANDARD SPECIFICATIONS.
- 2) BOLTS SHALL BE TORQUED SNUG TIGHT (APPROXIMATELY 100 FT-LB).
- 3) PROTRUSIONS CAUSED BY WELDING OR GALVANIZING ARE NOT PERMITTED ON THE ADJOINING SURFACES OF THE BOX BEAM RAILS, SPLICE TUBES AND FILL PLATES.
- 4) BOX BEAM TUBE AND STEEL POST MATERIALS, DIMENSION SIZES AND NOTES SHALL BE THE SAME AS THOSE OF THE BRIDGE RAIL, UNLESS OTHERWISE NOTED.
- 5) ANY BENDING OF RAIL SHALL BE DONE AT THE FABRICATION PLANT, RADII GREATER THAN 16' TO BE CURVED ON A TUBE BENDING MACHINE, RADII LESS THAN 16' TO BE "PIE CUT" AND WELDED, CURVED RAILING WILL HAVE AN 18" LENGTH ON EACH END STRAIGHT TO ACCOMADATE SPLICES.

Vermont Agency of Transportation
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ITEM #: 621.725 F.R. LAFAYETTE, PITTSFIELD SHEET 4 OF 8

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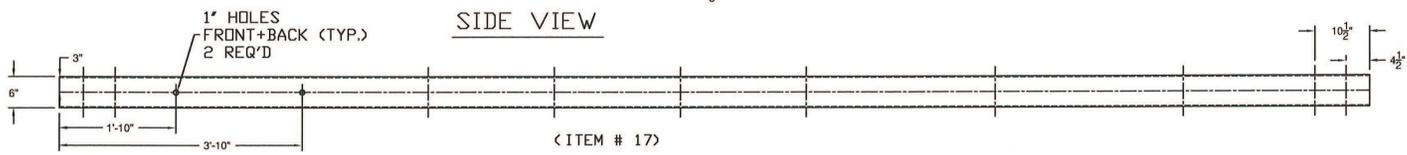
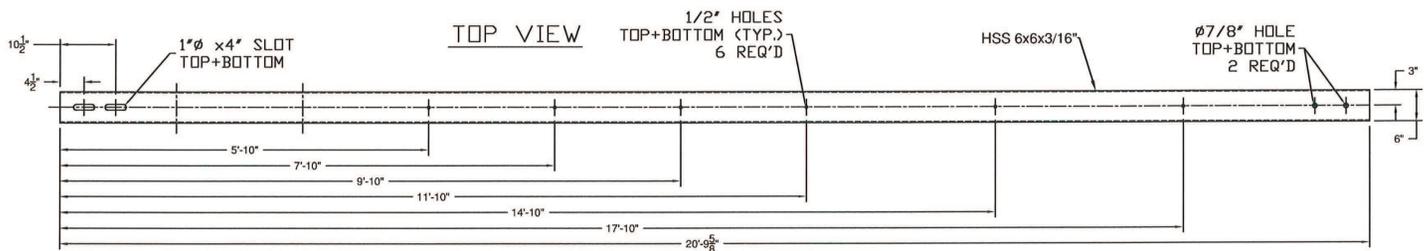
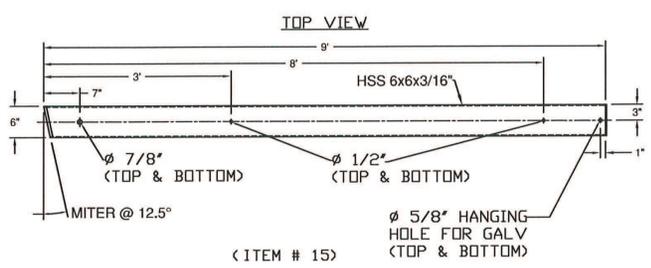
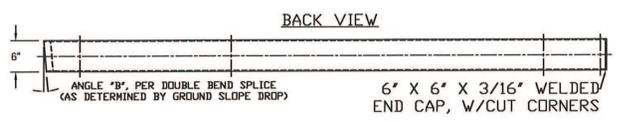
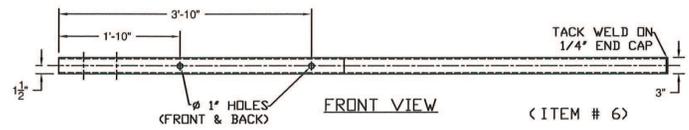
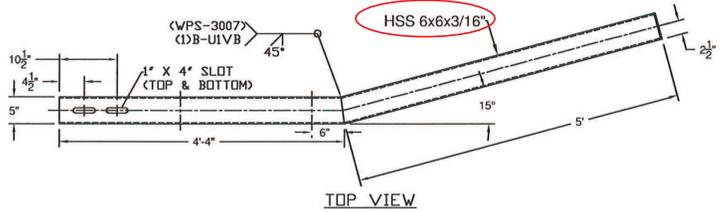
GUARD RAIL TO BRIDGE RAIL TRANSITION DETAILS SHEET
 PITTSFIELD, ER BR# 022-1 (23), VT ROUTE 100, (MINOR ARTERIAL) BRIDGE 124
 TOWN OF PITTSFIELD, RUTLAND COUNTY, VERMONT

R	NO.	DATE	DESCRIPTION	BY	R	NO.	DATE	DESCRIPTION	BY

ELDERLEE, INC.
 6425 CORNWELL, NEW YORK 14518
 E-Mail: dlong@elderlee.com / epsak@elderlee.com
 Tel: 315-788-6670 Fax: 315-788-6616

DRAWN E.P. 2/18/14
 CHECKED D.L. 2/19/14
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 SCALE SCHEMATIC
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HSS 5x3x1/4
SEE ITEM #6 ON
MATERIAL LIST



ITEM #: 621.725

F.R. LAFAYETTE, PITTSFIELD

SHEET 5 OF 8

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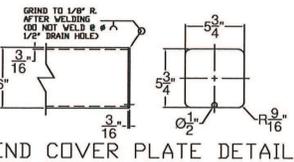
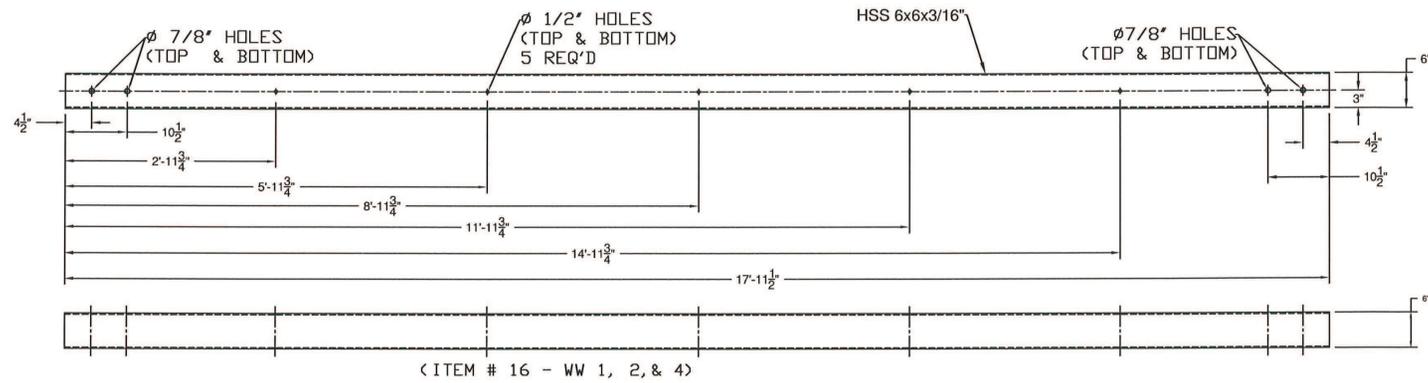
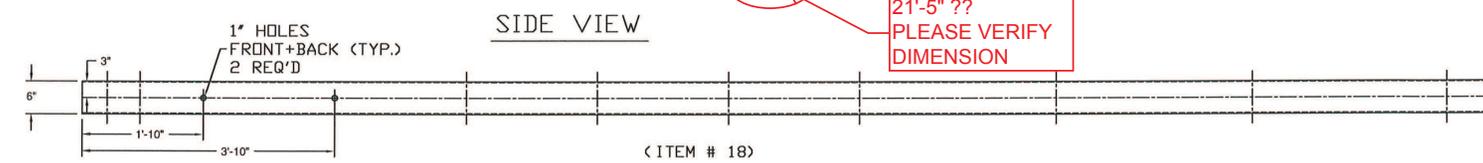
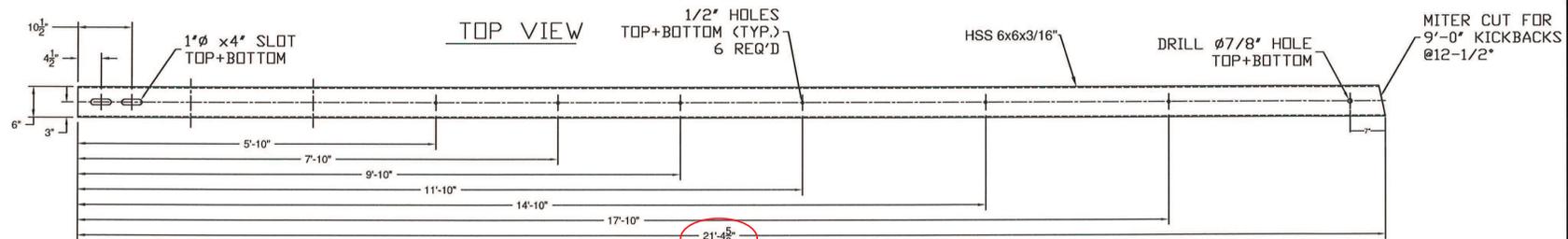
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PITTSFIELD, ER BR# 022-1 (23), VT ROUTE 100, (MINOR ARTERIAL) BRIDGE 124
TOWN OF PITTSFIELD, RUTLAND COUNTY, VERMONT

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F.R. LAFAYETTE, PITTSFIELD SHEET 6 OF 8

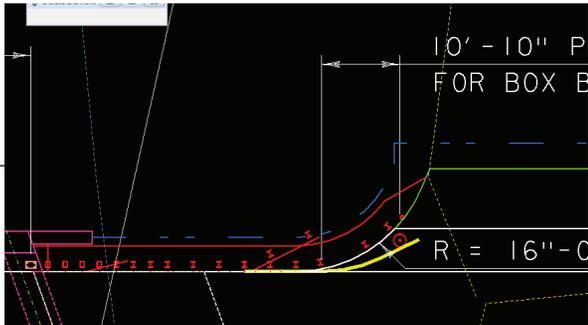
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 TOWN OF PITTSFIELD, RUTLAND COUNTY, VERMONT

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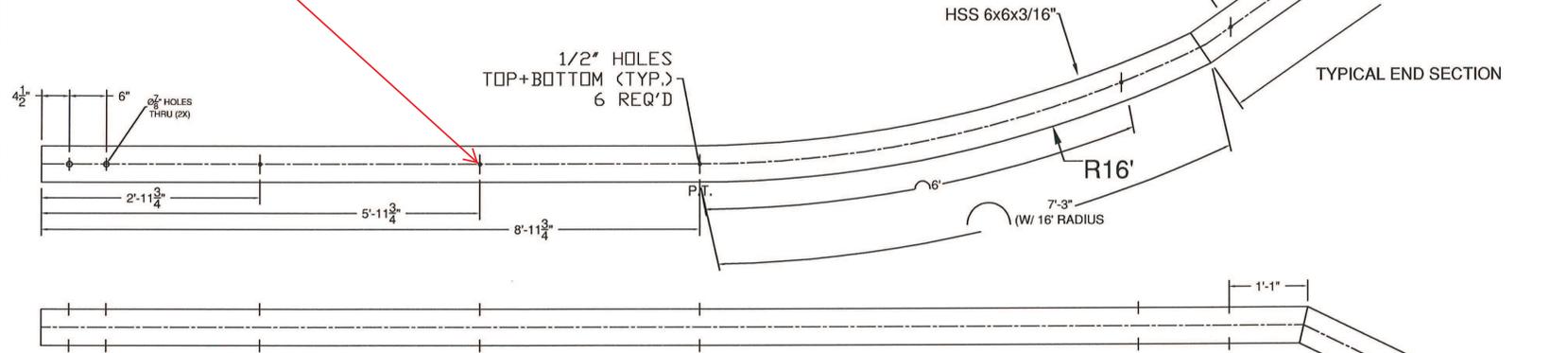
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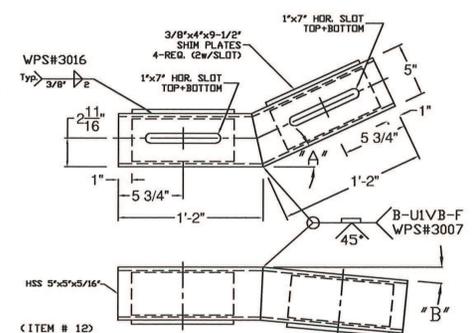
THE R=16 SHOULD START AT THIS POST AND CONTINUE TO THE END OF RAIL. IN THE LAYOUT SHOWN, THE RAIL WOULD EXTEND INTO THE TOWN GARAGE DRIVEWAY. SEE YELLOW LINE IN SKETCH.



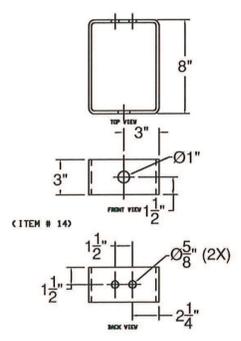
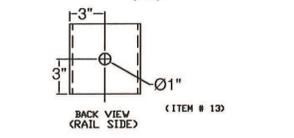
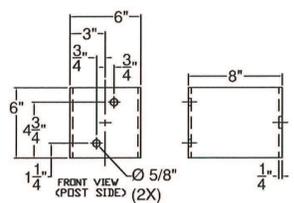
PLAN VIEW - WING WALL 3



(ITEM # 16 - WW 3)



(ITEM # 12)
 A - SEE PLAN FOR TURN BACK DISTANCE, SET ANGLE ACCORDINGLY. (25° FOR W/W 1, 2, 3, & 4)
 B - TURN DOWN ANGLE SET BY THE 9\"/>



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ITEM #: 621.725 F.R. LAFAYETTE, PITTSFIELD SHEET 7 OF 8

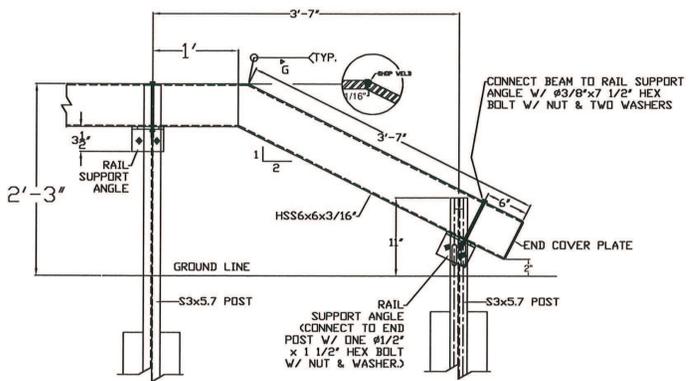
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GUARD RAIL TO BRIDGE RAIL TRANSITION DETAILS SHEET
 PITTSFIELD, ER BR# 022-1 (20), VT ROUTE 100, (MINOR ARTERIAL) BRIDGE 124
 TOWN OF PITTSFIELD, RUTLAND COUNTY, VERMONT

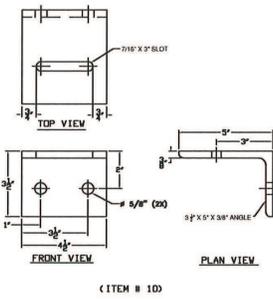
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TYPICAL END ASSEMBLY DETAIL



(ITEM # 1D)

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F.R. LAFAYETTE, PITTSFIELD

SHEET 8 OF 8

GUARD RAIL TO BRIDGE RAIL TRANSITION DETAILS SHEET
 PITTSFIELD, ER BPP 022-1 (23), VT ROUTE 100, (MINOR INFRASTRUCTURE) BRIDGE 124
 TOWN OF PITTSFIELD, RUTLAND COUNTY, VERMONT

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