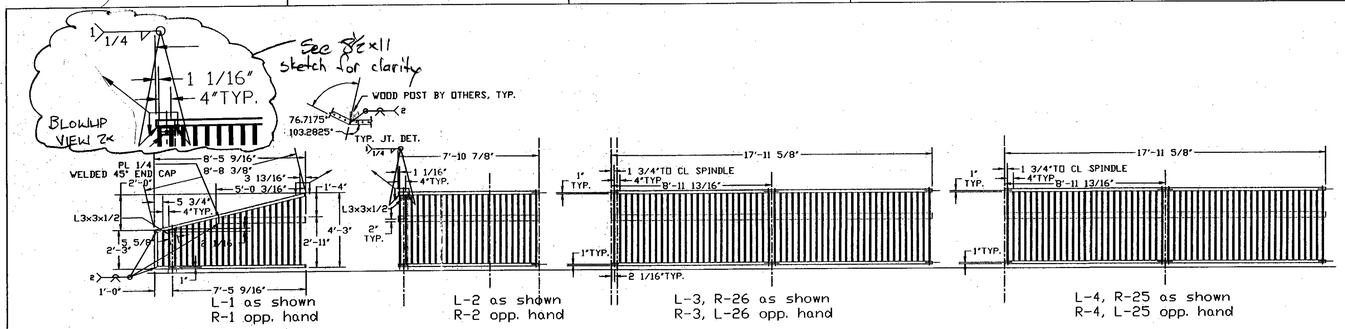
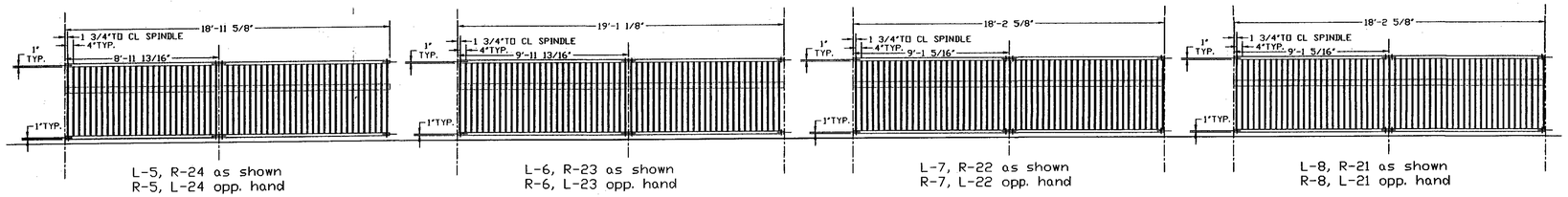


L-1 as shown
R-1 opp. hand

L-2 as shown
R-2 opp. hand

L-3, R-26 as shown
R-3, L-26 opp. hand

L-4, R-25 as shown
R-4, L-25 opp. hand

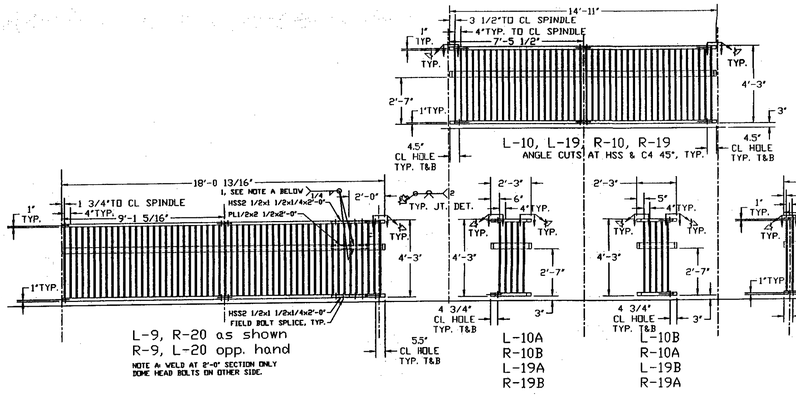


L-5, R-24 as shown
R-5, L-24 opp. hand

L-6, R-23 as shown
R-6, L-23 opp. hand

L-7, R-22 as shown
R-7, L-22 opp. hand

L-8, R-21 as shown
R-8, L-21 opp. hand



L-10, L-19, R-10, R-19
ANGLE CUTS AT HSS & C4 45°, TYP.

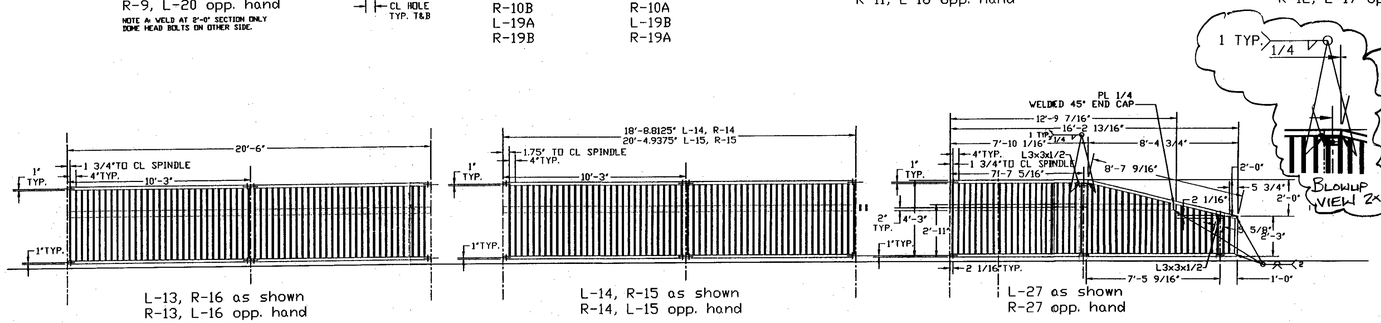
L-9, R-20 as shown
R-9, L-20 opp. hand
NOTE A: WELD AT 2'-0" SECTION ONLY
DOME HEAD BOLTS ON OTHER SIDE.

L-10A
L-10B
L-19A
L-19B

L-10B
L-10A
L-19B
L-19A

L-11, R-18 as shown
R-11, L-18 opp. hand

L-12, R-17 as shown
R-12, L-17 opp. hand



L-13, R-16 as shown
R-13, L-16 opp. hand

L-14, R-15 as shown
R-14, L-15 opp. hand

L-27 as shown
R-27 opp. hand

RECEIVED
CK'D BY _____ CK'D BY _____
OCT 03 2008
RESUBMIT _____ APPROVED _____
BY _____ DATE _____

Pedestrian Bridge Railing for Swanton STP ST MHTB(1)

Item	Location	wt./ft. lb./ft.	thickness in.	width in.	length ft.	length in.	wt. Ea. lb.	quantity ea.	total wt. lb.
L-1, R-1									
HSS3x2	bot. rail	7.11	0.25		8	5.5625	60.18	1	60.18
HSS3x2	top rail	7.11	0.25		8	8.375	61.84	1	61.84
C4x5.4	rub rail	5.4			5	0.1875	27.08	1	27.08
round 3/4"	spindle	0.48			3	10.125	1.84	1	1.84
round 3/4"	spindle	0.48			3	9.1875	1.80	1	1.80
round 3/4"	spindle	0.48			3	8.25	1.76	1	1.76
round 3/4"	spindle	0.48			3	7.3125	1.73	1	1.73
round 3/4"	spindle	0.48			3	6.375	1.69	1	1.69
round 3/4"	spindle	0.48			3	5.375	1.65	1	1.65
round 3/4"	spindle	0.48			3	4.4375	1.61	1	1.61
round 3/4"	spindle	0.48			3	3.5	1.58	1	1.58
round 3/4"	spindle	0.48			3	2.5625	1.54	1	1.54
round 3/4"	spindle	0.48			3	1.625	1.50	1	1.50
round 3/4"	spindle	0.48			3	0.6875	1.46	1	1.46
round 3/4"	spindle	0.46			2	11.75	1.43	1	1.43
round 3/4"	spindle	0.48			2	10.8125	1.39	1	1.39
round 3/4"	spindle	0.48			2	9.8125	1.35	1	1.35
round 3/4"	spindle	0.48			2	8.875	1.31	1	1.31
round 3/4"	spindle	0.48			2	7.9375	1.27	1	1.27
round 3/4"	spindle	0.48			2	7	1.24	1	1.24
round 3/4"	spindle	0.48			2	6.0625	1.20	1	1.20
round 3/4"	spindle	0.48			2	5.125	1.16	1	1.16
round 3/4"	spindle	0.48			2	4.1875	1.12	1	1.12
round 3/4"	spindle	0.48			2	3.25	1.09	1	1.09
round 3/4"	spindle	0.48				2.25	0.09	1	0.09
round 3/4"	spindle	0.46			2	1.3125	1.01	1	1.01
round 3/4"	spindle	0.48			2	0.375	0.97	1	0.97
round 3/4"	spindle	0.48			2	3	1.08	1	1.08
PL	rub rail end cap	0.66	0.25	2.3125	0	4	0.22	1	0.22
L3x3	post mount	9.4	0.5		0	6.1875	4.85	1	4.85
HSS3x2	end rail	7.11	0.25		2	3	16.00	1	16.00
							Total part wt. ea.:		204.03
L-2, R-2									
HSS3x2	top rail	7.11	0.25		7	10.875	56.21	1	56.21
HSS3x2	bot. rail	7.11	0.25		7	10.875	56.21	1	56.21
C4x5.4	rub rail	5.4			7	10.875	42.69	1	42.69
round 3/4"	spindle	0.46			3	11	1.87	24	44.98
L3x3	post mount	9.4	0.5		0	5.5	4.31	1	4.31
							Total part wt. ea.:		204.41
L-3, R-26, R-3, L-26									
HSS3x2	top rail	7.11	0.25		17	11.625	127.76	1	127.76
HSS3x2	bot. rail	7.11	0.25		17	11.625	127.76	1	127.76
C4x5.4	rub rail	5.4			17	11.625	97.03	1	97.03
round 3/4"	spindle	0.48			3	11	1.87	54	101.21
							Total part wt. ea.:		453.75
L-4, R-25, R-4, L-25									
HSS3x2	top rail	7.11	0.25		17	11.625	127.76	1	127.76
HSS3x2	bot. rail	7.11	0.25		17	11.625	127.76	1	127.76
C4x5.4	rub rail	5.4			17	11.625	97.03	1	97.03
round 3/4"	spindle	0.48			3	11	1.87	54	101.21
							Total part wt. ea.:		453.75
L-5, R-24, R-5, L-24									
HSS3x2	top rail	7.11	0.25		18	11.625	134.87	1	134.87
HSS3x2	bot. rail	7.11	0.25		18	11.625	134.87	1	134.87
C4x5.4	rub rail	5.4			18	11.625	102.43	1	102.43
round 3/4"	spindle	0.48			3	11	1.87	57	106.83
							Total part wt. ea.:		479.00
L-6, R-23, R-6, L-23									
HSS3x2	top rail	7.11	0.25		19	1.125	135.76	1	135.76
HSS3x2	bot. rail	7.11	0.25		19	1.125	135.76	1	135.76
C4x5.4	rub rail	5.4			19	1.125	103.11	1	103.11
round 3/4"	spindle	0.48			3	11	1.87	57	106.63
							Total part wt. ea.:		481.45
L-7, R-22, R-7, L-22									
HSS3x2	top rail	7.11	0.25		18	2.625	129.54	1	129.54
HSS3x2	bot. rail	7.11	0.25		18	2.625	129.54	1	129.54
C4x5.4	rub rail	5.4			18	2.625	98.38	1	98.38
round 3/4"	spindle	0.48			3	11	1.87	55	103.08
							Total part wt. ea.:		460.53
L-8, R-21, R-8, L-21									
HSS3x2	top rail	7.11	0.25		18	2.625	129.54	1	129.54
HSS3x2	bot. rail	7.11	0.25		18	2.625	129.54	1	129.54
C4x5.4	rub rail	5.4			18	2.625	98.38	1	98.38
round 3/4"	spindle	0.48			3	11	1.87	55	103.08
							Total part wt. ea.:		460.53
L-9, R-20, R-9, L-20									
HSS3x2	top rail	7.11	0.25		18	0.8125	128.46	1	128.46
HSS3x2	bot. rail	7.11	0.25		18	0.8125	128.46	1	128.46
C4x5.4	rub rail	5.4			18	0.8125	97.57	1	97.57
round 3/4"	spindle	0.48			3	11	1.87	54	101.21
							Total part wt. ea.:		455.69
L-10, R-19, R-10, L-19									
HSS3x2	top rail	7.11	0.25		14	11	106.06	1	106.06
HSS3x2	bot. rail	7.11	0.25		14	11	106.06	1	106.06
C4x5.4	rub rail	5.4			14	11	80.55	1	80.55
round 3/4"	spindle	0.46			3	11	1.87	44	82.46
							Total part wt. ea.:		375.13
L-10A, R-19B, R-10B, L-19A									
HSS3x2	top rail	7.11	0.25		2	3	16.00	1	16.00
HSS3x2	bot. rail	7.11	0.25		2	3	16.00	1	16.00
C4x5.4	rub rail	5.4			2	3	12.15	1	12.15
round 3/4"	spindle	0.48			3	11	1.87	5	9.37
							Total part wt. ea.:		53.52
L-10B, R-19A, R-10A, L-19B									
HSS3x2	top rail	7.11	0.25		2	3	16.00	1	16.00
HSS3x2	bot. rail	7.11	0.25		2	3	16.00	1	16.00
C4x5.4	rub rail	5.4			2	3	12.15	1	12.15
round 3/4"	spindle	0.48			3	11	1.87	5	9.37
							Total part wt. ea.:		53.52
L-11, R-18, R-11, L-18									
HSS3x2	top rail	7.11	0.25		19	11.8125	142.09	1	142.09
HSS3x2	bot. rail	7.11	0.25		19	11.8125	142.09	1	142.09
C4x5.4	rub rail	5.4			19	11.8125	107.92	1	107.92
round 3/4"	spindle	0.48			3	11	1.87	60	112.45
HSS2 1/2x1 1/2	exp. Jt. @ T& B rails	5.41	0.25		2	0	10.82	2	21.64
PL	exp. Jt. @ rub rail	8.51	0.5	2.5	2	0	17.01	1	17.01
							Total part wt. ea.:		543.20

UNLESS OTHERWISE SPECIFIED		DATE	NAME
DIMENSIONS ARE IN INCHES	DRAWN		SPT
TOLERANCES: FRACTIONAL±	CHECKED		ADW
ANGULAR: MACH± BEND ±	ENG APPR.		
TWO PLACE DECIMAL ±	MFG APPR.		
THREE PLACE DECIMAL ±	Q.A.		
INTERPRET GEOMETRIC TOLERANCING PER:			
MATERIAL M270-36, A500-B			
FINISH SW PRIMER			

COMMENTS:

CCS Contructors LLC
138 Mulson Avenue
Morrisvib, VT 05661
Ph: 802-888-7701 f: 802-888-4746

LWI Metalworks
MORRISVILLE, VT 05661
802-888-2394

TITLE: SWANTON STP ST MHTB(1)

SIZE	DWG. NO.	REV
B	R-2	10/1/08

SCALE: 1/4" | WEIGHT: SCH. | SHEET 2 OF 2