FURNACE BROOK

	ITEM	NO. OF PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
	1	WINGWALL 4																
	2	20	16	9730	4W1601	STR.												
	3	20	16	9830	4W1602	STR.												
	4	39	16	5675	4W1603	STR.												
	5	62	16	8740	4W1604	STR.												
*	6	40	16	3231	4W1605	STR.												
	7	36	16	3240	4W1606	STR.												
	8	26	16	2240	4W1607	STR.												
	9																	
	10	5	16	8740	4EW1608	STR.												
▲	11	5	16	2240	4EW1609	STR.												
	12																	
	13	39	22	2100	4W2201	STR.												
	14	39	22	3181	4W2202	STR.												
	15																	
	16	37	25	5640	4W2501	STR.												
	17																	
	18	74	36	5640	4W3601	STR.												
	19	71	36	4935	4W3602	STR.												
	20																	
	21	39	16	1580	4W1610	17		250	1330									
	22	18	16	1320	4W1611	17		660	660									
	23	18	16	5685	4W1612	3			660	4365	660			467		467		5299
	24	39	16	2060	4W1613	17		660	740	660								
	25	14	16	1320	4W1614	17		660	660									
	26	14	16	3847	4W1615	3			660	2527	660			467		467		3460
	27																	
	28	54	16	3664	4EW1616	17		1610	440	1612								
	29																	
	30	71	36	3990	4W3603	17		600	3390									
	31																	
	32	PIER																
*	33	359	13	4300	P1301	STR.												
	34																	
	35	14	16	5000	P1601	STR.												
	36	14	16	11 500	P1602	STR.												
*	37	75	16	7840	P1603	STR.												
	38	39	16	1950	P1604	STR.												
	39	38	16	2700	P1605	STR.												
	40																	
	41	120	32	7840	P3201	STR.												
△	42	257	32	12 000	P3202	STR.												
	43	85	32	7720	P3203	STR.												
	44																	
	45	180	13	4283	P1302	N3			610	3063	610						975	
	46	178	13	3655	P1303	N3			610	2435	610						775	
	47	810	13	2455	P1304	T9	210	1950					300	115				
	48	180	13	6299	P1305	T9	210	5794					300	115				
	49	180	13	6621	P1306	T9	210	6116					300	115				
	50																	
	51	64	16	6675	P1606	1	180	6500							130			
	52	30	16	10 175	P1607	1	180	10 000							130			
	53	16	16	12 296	P1608	14	660	5386	6250					2640		4695		10 945
▲	54	34	16	9975	P1609	1	180	9800							130			
	55	12	16	3270	P1610	17		660	1950	660								
	56																	
*	57	275	19	2845	P1901	T9	210	2340					300	115				
	58	48	19	4264	P1902	S1		1439	1386	1439								
	59	48	19	4942	P1903	S1		1778	1386	1778								
	60	96	19	6496	P1904	S1		2555	1386	2555								
▲	61	16	19	12 000	P1905	S1		5025	1950	5025								
	62	13	19	6552	P1906	S1		2583	~~1386~~	2583	1950							
	63	96	19	7152	P1907	S1		2883	1386	2883								
	64	96	19	6034	P1908	S1		2324	1386	2324								
	65																	
*	66	121	32	11 425	P3204	1	430	11 000							335			
	67	120	32	7495	P3205	1	430	7070							335			
*	68	86	32	12 000	P3206	2	560	11 440										
	69	85	32	7730	P3207	2	560	7170										
	70																	
*	71	43	36	7850	P3601	2	600	7250										
	72	42	36	11 070	P3602	2	600	10 470										
	73																	
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ITEM	NO. OF PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
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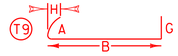
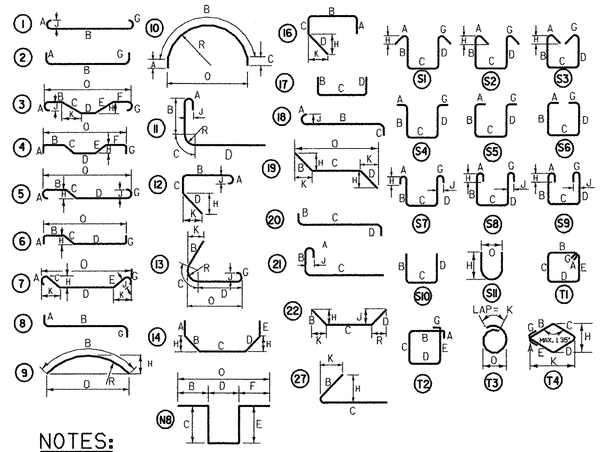


VTrans Metric



NOTES:

1. UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING 57M SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M 31M(ASTM A 615-SI). ALL BARS SHALL BE GRADE 60, UNLESS OTHERWISE DESIGNATED.
2. FOR TYPICAL BENDING DETAILS, RECOMMENDED PIN DIAMETER "D" OF BENDS AND HOOKS, AND OTHER STANDARD PRACTICE, SEE CURRENT CONCRETE REINFORCING STEEL INSTITUTE "MANUAL OF STANDARD PRACTICE".
3. BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
4. ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180 DEGREE AND 135 DEGREE HOOKS.
5. "J" DIMENSION ON 180 DEGREE HOOKS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
6. "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
7. WHERE SLOPE DIFFERS FROM 45 DEGREES, DIMENSIONS "H" AND "K" MUST BE SHOWN.

LEGEND

▲ DENOTES BARS TO BE CUT IN THE FIELD.

✱ DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.

△ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.

"E" IN PREFIX DENOTES EPOXY COATED REINFORCING STEEL.

ASTM STANDARD REINFORCING BARS

BAR SIZE DESIGNATION	NOMINAL MASS (Kg/m)	NOMINAL DIMENSIONS ROUND SECTION		
		DIAMETER (mm)	CROSS SECTIONAL AREA (mm)	PERIMETER (mm)
10	0.560	9.5	71	29.84
13	0.994	12.7	129	39.90
16	1.552	15.9	199	49.95
19	2.235	19.1	284	60.00
22	3.042	22.2	387	69.74
25	3.973	25.4	510	79.80
29	5.060	28.7	645	90.16
32	6.404	32.3	819	101.47
36	7.907	35.8	1006	112.47
43	11.380	43.0	1452	135.09
57	20.240	57.3	2581	180.01

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of BENNINGTON	Bridge No. BI2
Highway No. VT RTE 279	Log Sta. / Surv. Sta.
VT ROUTE 279 OVER FURNACE BROOK	

REINFORCING STEEL SCHEDULE (2 OF 2)

Designed By M.D. BOWER	Drawn By D.J. HENDERSON
Checked By B.J. CARLSON Date 04/07	Bridge Design Supervisor K.M. WOJTKOWSKI Date 04/07
PROJECT BENNINGTON	PROJECT NO. AC NH F019-1(53)
TVGA CAD Drawing No. FBSteelSch2.dgn	Date 04/16/2007
Bridge Sheet No. BR546	Sheet 238 of 577

TVGA CONSULTANTS