	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
									PIER 5								
	-	-	-	5EP1601	-	(NOT	USED)										
▲	8	16	12000	5EP1602	STR												
	-	-	-	5EP2501	-	(NOT	USED)										
✳▲	15	29	12000	5EP2902	STR												
	24	16	1500	5EP1301	17		500	500	500							●	
✳▲	97	16	2350	5EP1603	17		775	800	775							●	
✳	9	16	1800	5EP1604	17		500	800	500							●	
	23	16	3600	5EP1605	T2	200	800	800	800	800		200					
	2	16	1550	5EP1606	17		600	350	600								
△	12	19	3150	5EP1901	19		2350	800	-				500		2300		3100
✳	25	29	3725	5EP2901	17		475	3250	-								
									PIER 6								
	-	-	-	6EP1601	-	(NOT	USED)										
▲	8	16	12000	6EP1602	STR												
△	26	25	5700	6EP2501	STR												
✳▲	15	29	12000	6EP2902	STR												
	68	16	1500	6EP1301	17		500	500	500							●	
✳▲	97	16	2350	6EP1603	17		775	800	775							●	
✳	9	16	1800	6EP1604	17		500	800	500							●	
	23	16	3600	6EP1605	T2	200	800	800	800	800		200					
	2	16	1550	6EP1606	17		600	350	600								
△	12	19	3150	6EP1901	19		2350	800	-				500		2300		3100
✳	25	29	3775	6EP2901	17		475	3300	-								
									PIER 7								
▲	8	16	12000	7EP1605	STR												
	-	-	-	7EP2901	-	(NOT	USED)										
✳	57	29	3475	7EP2902	STR												
✳	57	29	9650	7EP2903	STR												
▲	28	29	12000	7EP2904	STR												
✳	129	13	2850	7EP1301	17		875	1100	875							●	
✳	65	13	3300	7EP1302	T1	100	775	775	775	775		100				●	
✳▲	189	16	2400	7EP1601	17		750	900	750								
✳	189	16	2750	7EP1602	17		1150	450	1150							●	
	12	16	2500	7EP1603	17		600	1300	600							●	
	6	16	1450	7EP1604	17		600	450	500								
	26	16	4600	7EP1606	T2	200	1300	800	1300	800		200					
	2	16	1800	7EP1607	17		600	600	600								
△	18	19	2525	7EP1901	19		1725	800	-				500		1650		2450
									ARCH								
✳	49	25	5400	EC2550	STR												
✳	49	25	3700	EC2551	STR												
✳▲■	121	29	3250	EC2901	STR												
△	866	16	2300	EC1601	17		800	700	800								
	80	16	2480	EC1650	T1	140	550	550	550	550		140				●	
									ARCH FOUNDATION NO. 1								
	2	16	1450	1EAF1602	STR												
✳	3	16	1850	1EAF1603	STR												
	2	16	2250	1EAF1604	STR												
	2	16	2650	1EAF1605	STR												
	2	16	3050	1EAF1606	STR												
	2	16	3450	1EAF1607	STR												
	2	16	3850	1EAF1608	STR												
	2	16	4250	1EAF1609	STR												
	2	16	4650	1EAF1610	STR												
	2	16	5050	1EAF1611	STR												
	2	16	5450	1EAF1612	STR												
	12	16	5825	1EAF1613	STR												
	2	16	5775	1EAF1614	STR												
	2	16	5475	1EAF1615	STR												
	2	16	5175	1EAF1616	STR												
	2	16	4875	1EAF1617	STR												
	2	16	4575	1EAF1618	STR												
	23	16	3400	1EAF1620	STR												
	2	16	2025	1EAF1621	STR												
	2	16	2550	1EAF1622	STR												
	2	16	3075	1EAF1623	STR												
	2	16	3600	1EAF1624	STR												
	2	16	4125	1EAF1625	STR												
	2	16	4375	1EAF1626	STR												
	2	16	4600	1EAF1627	STR												

	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
									ARCH FOUNDATION NO. 1 (CONTINUED)								
	2	16	4725	1EAF1628	STR												
	2	16	5050	1EAF1629	STR												
	2	16	5275	1EAF1630	STR												
	2	16	5500	1EAF1631	STR												
	2	16	5725	1EAF1632	STR												
	2	16	5950	1EAF1633	STR												
	2	16	6175	1EAF1634	STR												
	2	16	6400	1EAF1635	STR												
	2	16	6625	1EAF1636	STR												
	18	16	6600	1EAF1637	STR												
	-	-	-	1EAF1640	-	(NOT	USED)										
	2	16	1350	1EAF1642	STR												
	2	16	1625	1EAF1643	STR												
	2	16	1925	1EAF1644	STR												
	2	16	2225	1EAF1645	STR												
	2	16	2500	1EAF1646	STR												
	2	16	2800	1EAF1647	STR												
	2	16	3100	1EAF1648	STR												
	2	16	3400	1EAF1649	STR												
	2	16	3675	1EAF1650	STR												
	2	16	3975	1EAF1651	STR												
	2	16	4275	1EAF1652	STR												
	12	16	4525	1EAF1653	STR												
	2	16	4475	1EAF1654	STR												
	2	16	4175	1EAF1655	STR												
	2	16	3875	1EAF1656	STR												
	2	16	3575	1EAF1657	STR												
	2	16	3275	1EAF1658	STR												
	23	16	3400	1EAF1660	STR												
	2	16	2100	1EAF1661	STR												
	2	16	2725	1EAF1662	STR												
	2	16	3325	1EAF1663	STR												
	2	16	3925	1EAF1664	STR												
	2	16	4525	1EAF1665	STR												
	2	16	4875	1EAF1666	STR												
	2	16	5200	1EAF1667	STR												
	2	16	5500	1EAF1668	STR												
	2	16	5800	1EAF1669	STR												
	2	16	6100	1EAF1670	STR												
	2	16	6400	1EAF1671	STR												
	18	16	6600	1EAF1672	STR												
✳	13	16	1925	1EAF1601	19		875	1050	-				525		700		1750
	12	16	5150	1EAF1619	19		875	4275	-				620		620		4895
	79	16	4300	1EAF1638	17		450	3400	450								
	12	16	9600	1EAF1639	22		5925	1500	2175				4750	1540	3545	1540	
	12	16	1925	1EAF1641	19		875	1050	-				625		615		1665
	12	16	3850	1EAF1659	19		875	2975	-				620		620		3595
	12	16	8625	1EAF1673	22		4950	1500	2175				3465	1540	3535	1540	
									ARCH FOUNDATION NO. 2								
	15	16	3400	2EAF1601	STR												
	4	16	1075	2EAF1602	STR												
	4	16	1375	2EAF1603	STR												
✳	5	16	1675	2EAF1604	STR												
✳	5	16	1975	2EAF1605	STR												
	4	16	2275	2EAF1606	STR												
	32	16	2325	2EAF1607	STR												
	-	-	-	2EAF1608	-	(NOT	USED)										
	4	16	2950	2EAF1609	STR												
	4	16	3250	2EAF1610	STR												
	4	16	3550	2EAF1611	STR												
	4	16	3850	2EAF1612	STR												
	4	16	4150	2EAF1613	STR												
	16	16	4200	2EAF1614	STR												
	24	16	7800	2EAF1615	S13	750	2300	2625	2125	-			1500		1500		
	54	16	4300	2EAF1616	17		450	3400	450								
									LOOKOUT								
✳	24	13	4325	L1301	STR												
✳	16	13	6800	L1302	STR												
✳	23	16	3275	L1601	STR												
	59	16	4875	L1602	STR												
	8	16	1600	L1607	STR												
	59	25	4875	L2502	STR												
	45	25	900	L2504	STR												
✳	47	29	3100	L2901	STR												
✳	12	29	8900	L2902	STR												
✳	47	32	3150	L3201	STR												
✳	12	32	8900	L3202	STR												
✳	60	16	1850	L1603	17		250	1600	-								
	68	16	5465	L1604	17		625	4840	-								
	34	16	9090	L1605	17		625	7840	625								
	59	16	1240	L1606	17		450	340	450								
✳	60	25	2725	L2501	17		425	2300	-								
✳	59	25	4750	L2503	17		425	4325	-								

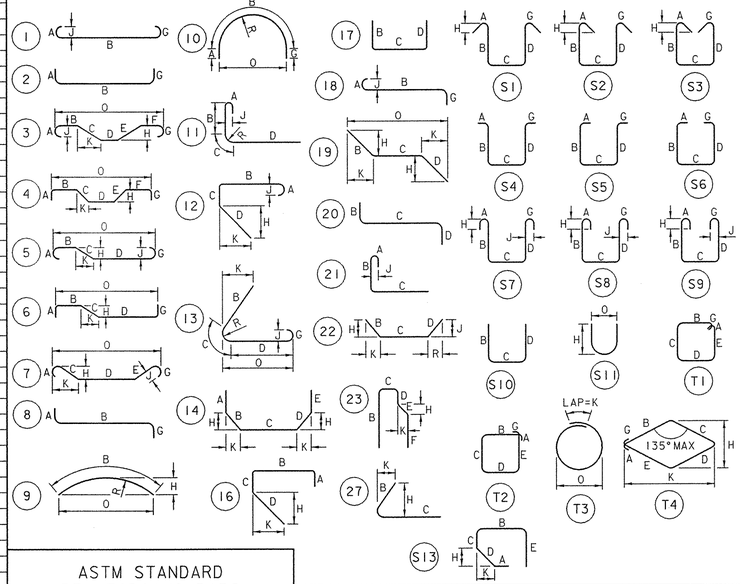
DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83 (92)

NOTES

1. UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING 55M SHALL CONFROM TO THE REQUIREMENT OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M 31M (ASTM A 615M-SI). ALL BARS SHALL BE GRADE 400, 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 ARE TO BE SHOWN ONLY WHEN NECESSARY TO RESTRICT HOOK SIZE. OTHERWISE, STANDARD HOOKS ARE TO BE USED.
6. "H" DIMENSION ON STIRRUPS ARE TO BE SHOWN ONLY WHEN NECCESSARY TO MAINTAIN CLEARANCES.
7. WHERE SLOPE DIFFERS FROM 45 DEGREES, DIMENSIONS "H" AND "K" MUST BE SHOWN.
8. ▲ DENOTES BARS TO BE CUT IN FIELD.
9. ■ DENOTES BARS TO BE MECHANICALLY CONNECTED.
10. ✳ DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
11. △ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
12. "E" IN PREFIX DENOTES EPOXY COATED REINFORCING STEEL.

BENDING NOTE:

THE ● SYMBOL IN THE "R" COLUMN DENOTES BARS THAT SHALL BE BENT TO WITHIN 5 mm OF THE DIMENSIONS PROVIDED TO MAINTAIN MINIMUM CLEAR COVER. BARS NOT MEETING THIS SPECIAL TOLERANCE WILL BE REJECTED AND THE CONTRACTOR SHALL SUPPLY REPLACEMENT BARS AT NO ADDITIONAL COST TO THE PROJECT.



ASTM STANDARD REINFORCING BARS

BAR SIZE DESIGNATION	NOMINAL MASS kg/m	NOMINAL DIMENSIONS ROUND SECTION DIAMETER mm	CROSS SECTIONAL AREA mm²	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

VHB Vanasse Hangen Brustlin, Inc.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of COLCHESTER-SOUTH BURLINGTON	Bridge No. 6
Highway No. TH 4/3	Log Sta.
	Surv. Sta.

TH 4/3 OVER WINOOSKI RIVER & N.E.C.R.

REINFORCING STEEL SCHEDULE (2 OF 2)

Designed By J.T. KLEIN	Drawn By B.J. MASSE
Checked By K.G. KRETSCH Date 4/05	Bridge Design Supervisor S.M. GUNN Date 4/05
PROJECT COLCHESTER-SOUTH BURLINGTON	PROJECT NO. BRM 5600 (6) S C/2
I.G.C. Info.	
Bridge Sheet No. ZD139RS2	Sheet 83 of 124

VHB NO. 50735 plot date: 4/28/2005