	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
				DECK OVERLAY													
△	317	13	12600	ES1301	STR												
	108	16	9650	ES1601	STR												
	162	16	11500	ES1602	STR												
✱	211	16	3100	ES1603	STR												
	162	16	11125	ES1604	STR												
	54	16	7950	ES1607	STR												
	210	13	700	ES1302	17		300	100	300								
	420	13	1950	ES1303	17		300	1650	-								
✱	306	16	4100	ES1605	S5	700	325	2050	325			700					
	305	16	2050	ES1606	S5	700	325	350	325			350					
				APPROACH SLAB NO. 1													
△	23	16	9725	1EAS1601	STR												
△	42	29	6200	1EAS2901	10	125	350					5725				110	220
				APPROACH SLAB NO. 2													
△	23	16	9725	2EAS1601	STR												
△	42	29	6200	2EAS2901	10	125	350					5725				110	220
				ABUTMENT NO. 1													
	43	16	1400	1A1607	STR												
✱	3	16	1750	1A1610	STR												
✱	137	19	2075	1A1901	STR												
	16	19	13575	1A1902	STR												
	32	19	4225	1A1903	STR												
	43	16	2075	1A1601	17		250	1825	-								
	40	16	2800	1A1602	17		250	2550	-								
	32	16	3125	1A1603	17		250	2875	-								
	20	16	13800	1A1604	17		625	12550	625								
	-	-	-	1A1605	-	(NOT	USED)										
	43	16	1625	1A1606	17		300	1025	300								
	35	16	1425	1A1608	17		650	125	650								
	34	16	950	1A1609	17		525	425	-								
	7	16	1725	1A1611	17		650	425	650								
✱	49	19	3175	1A1904	17		300	2875	-								
	18	25	1050	1EA2501	19		450	600	-				318		318		918
				WINGWALL NO. 1													
	16	16	2650	1W1601	STR												
	3	16	3725	1EW1602	STR												
	14	16	2775	1EW1603	17		1225	325	1225								
	16	16	3275	1W1604	17		625	2650	-								
				WINGWALL NO. 2													
✱	17	16	2650	2W1601	STR												
	3	16	3725	2EW1602	STR												
	14	16	2700	2EW1603	S13	975	1200	300	225	-		25		224			
	16	16	3275	2W1604	17		625	2650	-								
				ABUTMENT NO. 2													
	18	16	13550	2A1604	STR												
	36	16	6325	2A1605	STR												
	43	16	1450	2A1607	STR												
✱	3	16	1750	2A1613	STR												
△	48	19	2375	2A1901	STR												
✱	47	22	2375	2A2201	STR												
✱	37	22	2375	2A2202	STR												
✱	37	25	2375	2A2501	STR												
✱	44	16	1550	2A1601	17		250	1300	-								
	40	16	2350	2A1602	17		250	2100	-								
	46	16	2850	2A1603	17		250	2600	-								
	43	16	1625	2A1606	17		300	1025	300								
	35	16	1425	2A1608	17		650	125	650								
	34	16	1025	2A1609	17		600	425	-								
	-	-	-	2A1610	-	(NOT	USED)										
	18	16	13800	2A1611	17		625	12550	625								
	7	16	1725	2A1612	17		650	425	650								
✱	39	25	3025	2A2502	17		425	2600	-								
	-	-	-	2EA2503	-	(NOT	USED)										
	18	25	1050	2EA2504	19		450	600	-				318		318		918

	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
				WINGWALL NO. 3													
	18	16	3650	3W1601	STR												
	3	16	5725	3EW1602	STR												
	21	16	2925	3EW1603	17		1300	325	1300								
	18	16	4275	3W1604	17		625	3650	-								
				WINGWALL NO. 4													
	18	16	3650	4W1601	STR												
	3	16	5725	4EW1602	STR												
	21	16	2850	4EW1603	S13	1050	1275	300	225	-			25		224		
	18	16	4275	4W1604	17		625	3650	-								
				PIER 1													
▲	8	16	12000	1EP1605	STR												
	-	-	-	1EP2901	-	(NOT	USED)										
✱	57	29	3475	1EP2902	STR												
✱	57	29	7825	1EP2903	STR												
▲	28	29	12000	1EP2904	STR												
✱	105	13	2900	1EP1301	17		900	1100	900								●
✱	53	13	3300	1EP1302	T1	100	775	775	775	775		100					●
✱▲	189	16	2500	1EP1601	17		800	900	800								
✱	189	16	2850	1EP1602	17		1200	450	1200								●
	12	16	2500	1EP1603	17		600	1300	600								●
	6	16	1450	1EP1604	17		600	450	600								
	26	16	4600	1EP1606	T2	200	1300	800	1300	800		200					
	2	16	1800	1EP1607	17		600	600	600								
△	18	19	2525	1EP1901	19		1725	800	-						500		1650		2450
				PIER 2													
	-	-	-	2EP1601	-	(NOT	USED)										
▲	8	16	12000	2EP1602	STR												
△	26	25	4450	2EP2501	STR												
✱▲	15	29	12000	2EP2902	STR												
	48	16	1500	2EP1301	17		500	500	500								●
✱▲	97	16	2350	2EP1603	17		775	800	775								●
✱	9	16	1800	2EP1604	17		500	800	500								●
	23	16	3600	2EP1605	T2	200	800	800	800	800		200					
	2	16	1550	2EP1606	17		600	300	600								
△	12	19	3150	2EP1901	19		2350	800	-						500		2300		3100
✱	25	29	3775	2EP2901	17		475	3300	-								
				PIER 3													
	-	-	-	3EP1601	-	(NOT	USED)										
▲	8	16	12000	3EP1602	STR												
	-	-	-	3EP2501	-	(NOT	USED)										
✱▲	15	29	12000	3EP2902	STR												
	16	16	1500	3EP1301	17		500	500	500								●
✱▲	97	16	2350	3EP1603	17		775	800	775								●
✱	9	16	1800	3EP1604	17		500	800	500								●
	23	16	3600	3EP1605	T2	200	800	800	800	800		200					
	2	16	1550	3EP1606	17		600	350	600								
△	12	19	3150	3EP1901	19		2350	800	-						500		2300		3100
✱	25	29	3150	2EP2901	17		475	2675	-								
				PIER 4													
	-	-	-	4EP1601	-	(NOT	USED)										
▲	8	16	12000	4EP1602	STR												
	-	-	-	4EP2501	-	(NOT	USED)										
✱▲	15	29	12000	4EP2902	STR												
	8	16	1700	4EP1301	17		500	700	500								●
✱▲	97	16	2350	4EP1603	17		775	800	775								●
✱	9	16	1800	4EP1604	17		500	800	500								●
	23	16	3600	4EP1605	T2	200	800	800	800	800		200					
	2	16	1550	4EP1606	17		600	350	600								
△	12	19	3150	4EP1901	19		2350	800	-						500		2300		3100
✱	25	29	2250	4EP2901	17		475	1775	-								

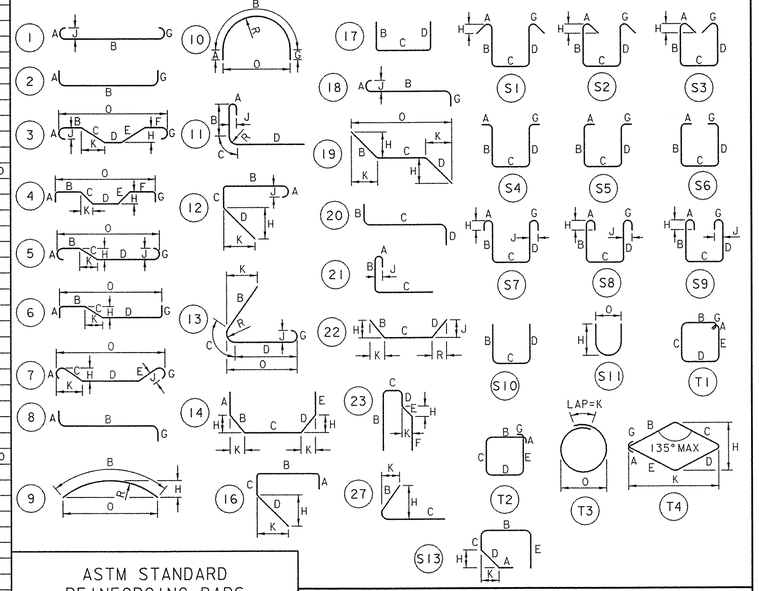
DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83 (92)

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
	Log Sta.
Highway No. TH 4/3	Surv. Sta.

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

REINFORCING STEEL SCHEDULE (1 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. ZD139RS1	Sheet 82 of 124

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