STATE OF VERMONT
AGENCY OF TRANSPORTATION

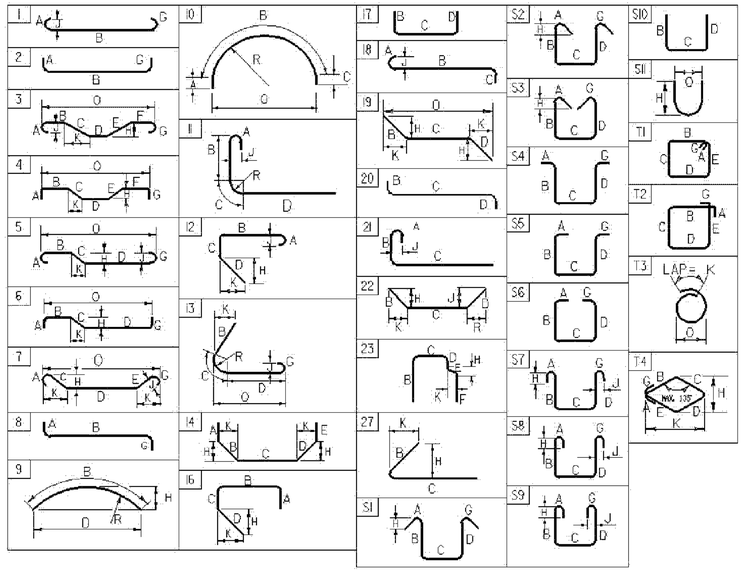
REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
DECK CONTINUED																	
	1	5	17'- 10"	ES5183	STR												
	1	5	18'- 10"	ES5184	STR												
	1	5	19'- 10"	ES5185	STR												
	1	5	20'- 10"	ES5186	STR												
	1	5	21'- 10"	ES5187	STR												
	1	5	22'- 10"	ES5188	STR												
	1	5	23'- 10"	ES5189	STR												
	1	5	24'- 10"	ES5190	STR												
	1	5	25'- 10"	ES5191	STR												
	1	5	26'- 10"	ES5192	STR												
	1	5	27'- 10"	ES5193	STR												
	1	5	28'- 10"	ES5194	STR												
	1	5	1'- 4"	ES5195	STR												
	1	5	2'- 2"	ES5196	STR												
	1	5	3'- 1"	ES5197	STR												
	1	5	3'- 11"	ES5198	STR												
	1	5	4'- 6"	ES5199	STR												
	1	5	5'- 1"	ES5200	STR												
	1	5	5'- 10"	ES5201	STR												
	1	5	6'- 5"	ES5202	STR												
	1	5	7'- 1"	ES5203	STR												
	1	5	7'- 9"	ES5204	STR												
	1	5	8'- 4"	ES5205	STR												
	1	5	9'- 0"	ES5206	STR												
	1	5	9'- 10"	ES5207	STR												
	1	5	10'- 6"	ES5208	STR												
	1	5	11'- 1"	ES5209	STR												
	1	5	11'- 9"	ES5210	STR												
	1	5	12'- 4"	ES5211	STR												
	1	5	13'- 0"	ES5212	STR												
	1	5	13'- 8"	ES5213	STR												
	1	5	14'- 3"	ES5214	STR												
	1	5	14'- 11"	ES5215	STR												
	1	5	15'- 9"	ES5216	STR												
	1	5	16'- 5"	ES5217	STR												
	1	5	17'- 0"	ES5218	STR												
	1	5	17'- 8"	ES5219	STR												
	1	5	18'- 3"	ES5220	STR												
	1	5	18'- 11"	ES5221	STR												
	1	5	19'- 6"	ES5222	STR												
	1	5	20'- 2"	ES5223	STR												
	1	5	20'- 10"	ES5224	STR												
	1	5	21'- 8"	ES5225	STR												
	1	5	22'- 3"	ES5226	STR												
	1	5	22'- 11"	ES5227	STR												
	1	5	23'- 6"	ES5228	STR												
	1	5	24'- 2"	ES5229	STR												
	1	5	24'- 10"	ES5230	STR												
	1	5	25'- 5"	ES5231	STR												
	1	5	26'- 1"	ES5232	STR												
	1	5	26'- 8"	ES5233	STR												
	1	5	27'- 6"	ES5234	STR												
	1	5	28'- 2"	ES5235	STR												
	1	5	28'- 10"	ES5236	STR												
▲	9	5	46'- 9"	ES5237	STR												
	96	5	3'- 9"	ES5238	2	0'- 6"	3'- 3"	0'- 0"									
	81	5	4'- 2"	ES5239	17		2'- 2"	1'- 6"	0'- 6"								
▲	9	5	33'- 8"	ES5240	STR												
	81	5	2'- 6"	ES5241	17		0'- 6"	1'- 6"	0'- 6"								
	4	5	5'- 4"	ES5242	STR												
	4	5	3'- 8"	ES5243	STR												
	81	6	46'- 6"	ES601	STR												
	38	8	1'- 6"	ES801	STR												
PIER NO. 1																	
	7	5	6'- 4"	1P501	17		2'- 0"	2'- 4"	2'- 0"								
	8	5	6'- 10"	1P502	17		2'- 3"	2'- 4"	2'- 3"								
	8	5	7'- 4"	1P503	17		2'- 6"	2'- 4"	2'- 6"								
	8	5	7'- 10"	1P504	17		2'- 9"	2'- 4"	2'- 9"								
	7	5	8'- 4"	1P505	17		3'- 0"	2'- 4"	3'- 0"								
	2	5	35'- 10"	1P506	STR												
	4	5	7'- 3"	1P507	STR												
	8	5	8'- 7"	1P508	STR												
	4	5	21'- 4"	1P509	STR												
	4	5	5'- 8"	1P510	STR												
	42	5	10'- 10"	1P511	17		4'- 3"	2'- 4"	4'- 3"								
	36	6	3'- 2"	1P601	STR												
	18	6	19'- 10"	1P602	STR												

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
PIER NO. 2																	
	8	5	6'- 6"	2P501	17		2'- 1"	2'- 4"	2'- 1"								
	9	5	7'- 2"	2P502	17		2'- 5"	2'- 4"	2'- 5"								
	9	5	7'- 8"	2P503	17		2'- 8"	2'- 4"	2'- 8"								
	9	5	8'- 2"	2P504	17		2'- 11"	2'- 4"	2'- 11"								
	7	5	8'- 8"	2P505	17		3'- 2"	2'- 4"	3'- 2"								
	2	5	39'- 11"	2P506	STR												
	4	5	8'- 0"	2P507	STR												
	4	5	32'- 7"	2P508	STR												
	8	5	9'- 2"	2P509	STR												
	4	5	6'- 5"	2P510	STR												

~ NOTES ~

1. UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING NO. 18 SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M 31 (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 WHERE NECESSARY TO RESTRICT HOOK SIZE. OTHERWISE, STANDARD HOOKS ARE TO BE USED.
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.
8. ▲ DENOTES BARS TO BE CUT IN FIELD.
9. ✳ DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
10. △ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
11. E DENOTES EPOXY COATED REINFORCING STEEL.



ASTM STANDARD REINFORCING BARS

BAR SIZE DESIGNATION	WEIGHT POUNDS PER FOOT	NOMINAL DIMENSIONS ROUND SECTION DIAMETER INCHES	AREA INCHES^2	PERIMETER INCHES
#3	0.376	0.375	0.11	1.178
#4	0.668	0.500	0.20	1.571
#5	1.043	0.625	0.31	1.963
#6	1.502	0.750	0.44	2.356
#7	2.044	0.875	0.60	2.749
#8	2.670	1.000	0.79	3.142
#9	3.400	1.128	1.00	3.544
#10	4.303	1.270	1.27	3.990
#11	5.313	1.410	1.56	4.430
#14	7.65	1.693	2.25	5.32
#18	13.60	2.257	4.00	7.09

Vanasse Hangen Brustlin, Inc.

PROJECT NAME: THETFORD
PROJECT NUMBER: BHF 0177(9)

FILE NAME: z08j174rss.dgn
PROJECT MANAGER: M.A. COLGAN
DESIGNED BY: G.S. GOODRICH
REINFORCING STEEL SCHEDULE SHEET #2

PLOT DATE: 1/9/2012
DRAWN BY: B.J. MASSE
CHECKED BY: S.E. BURBANK
SHEET 63 OF 78

VHB 57325