STATE OF VERMONT
AGENCY OF TRANSPORTATION

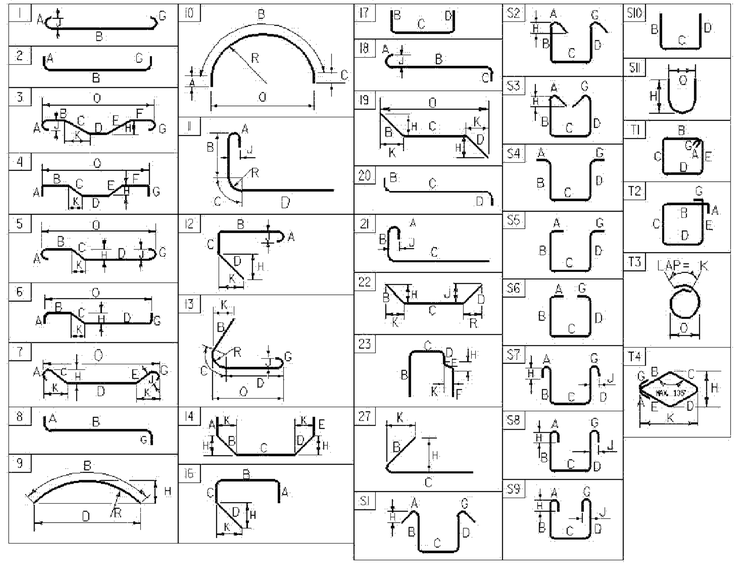
REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
DECK																	
	374	5	40'- 4"	ES501	STR												
	802	5	27'- 2"	ES502	STR												
	671	5	4'- 8"	ES503	S5	0'- 10"	1'- 2"	0'- 8"	1'- 2"			0'- 10"					
	915	5	5'- 5"	ES504	1	0'- 9"	4'- 8"					0'- 0"		0'- 4"			
	2	5	26'- 9"	ES505	STR												
	2	5	26'- 5"	ES506	STR												
	2	5	26'- 0"	ES507	STR												
	2	5	25'- 8"	ES508	STR												
	2	5	25'- 3"	ES509	STR												
	2	5	24'- 10"	ES510	STR												
	2	5	24'- 6"	ES511	STR												
	2	5	24'- 2"	ES512	STR												
	2	5	23'- 9"	ES513	STR												
	2	5	23'- 4"	ES514	STR												
	2	5	23'- 0"	ES515	STR												
	2	5	22'- 7"	ES516	STR												
	2	5	22'- 3"	ES517	STR												
	2	5	21'- 10"	ES518	STR												
	2	5	21'- 6"	ES519	STR												
	2	5	21'- 1"	ES520	STR												
	2	5	20'- 9"	ES521	STR												
	2	5	20'- 4"	ES522	STR												
	2	5	20'- 0"	ES523	STR												
	2	5	19'- 7"	ES524	STR												
	2	5	19'- 3"	ES525	STR												
	2	5	18'- 10"	ES526	STR												
	2	5	18'- 6"	ES527	STR												
	2	5	18'- 1"	ES528	STR												
	2	5	17'- 9"	ES529	STR												
	2	5	17'- 4"	ES530	STR												
	2	5	17'- 0"	ES531	STR												
	2	5	16'- 7"	ES532	STR												
	2	5	16'- 3"	ES533	STR												
	2	5	15'- 10"	ES534	STR												
	2	5	15'- 6"	ES535	STR												
	2	5	15'- 2"	ES536	STR												
	2	5	14'- 9"	ES537	STR												
	2	5	14'- 5"	ES538	STR												
	2	5	14'- 0"	ES539	STR												
	2	5	13'- 8"	ES540	STR												
	2	5	13'- 4"	ES541	STR												
	2	5	12'- 11"	ES542	STR												
	2	5	12'- 7"	ES543	STR												
	2	5	12'- 2"	ES544	STR												
	2	5	11'- 10"	ES545	STR												
	2	5	11'- 5"	ES546	STR												
	2	5	11'- 1"	ES547	STR												
	2	5	10'- 9"	ES548	STR												
	2	5	10'- 4"	ES549	STR												
	2	5	10'- 0"	ES550	STR												
	2	5	9'- 8"	ES551	STR												
	2	5	9'- 3"	ES552	STR												
	2	5	8'- 11"	ES553	STR												
	2	5	8'- 6"	ES554	STR												
	2	5	8'- 2"	ES555	STR												
	2	5	7'- 10"	ES556	STR												
	2	5	7'- 5"	ES557	STR												
	2	5	7'- 1"	ES558	STR												
	2	5	6'- 9"	ES559	STR												
	2	5	6'- 4"	ES560	STR												
	2	5	6'- 0"	ES561	STR												
	2	5	5'- 8"	ES562	STR												
	21	5	5'- 3"	ES563	STR												
	2	5	26'- 6"	ES564	STR												
	2	5	25'- 10"	ES565	STR												
	2	5	25'- 2"	ES566	STR												
	2	5	24'- 6"	ES567	STR												
	2	5	23'- 10"	ES568	STR												
	2	5	23'- 2"	ES569	STR												
	2	5	22'- 6"	ES570	STR												
	2	5	21'- 10"	ES571	STR												
	2	5	21'- 2"	ES572	STR												
	2	5	20'- 5"	ES573	STR												
	2	5	19'- 9"	ES574	STR												
	2	5	19'- 1"	ES575	STR												
	2	5	18'- 5"	ES576	STR												
	2	5	17'- 9"	ES577	STR												
	2	5	17'- 1"	ES578	STR												
	2	5	16'- 5"	ES579	STR												
	2	5	15'- 9"	ES580	STR												
	2	5	15'- 1"	ES581	STR												
	2	5	14'- 5"	ES582	STR												
	2	5	13'- 8"	ES583	STR												
	2	5	13'- 0"	ES584	STR												
	2	5	12'- 4"	ES585	STR												
	2	5	11'- 8"	ES586	STR												
	2	5	11'- 0"	ES587	STR												
	2	5	10'- 4"	ES588	STR												
	2	5	9'- 8"	ES589	STR												
	2	5	8'- 11"	ES590	STR												
	2	5	8'- 3"	ES591	STR												

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
DECK CONTINUED																	
	2	5	7'- 7"	ES592	STR												
	2	5	6'- 11"	ES593	STR												
	2	5	6'- 3"	ES594	STR												
	2	5	5'- 7"	ES595	STR												
	12	5	4'- 10"	ES596	STR												
	1	5	2'- 2"	ES597	STR												
	1	5	3'- 6"	ES598	STR												
	1	5	4'- 11"	ES599	STR												
	1	5	6'- 3"	ES5100	STR												
	1	5	7'- 6"	ES5101	STR												
	1	5	8'- 11"	ES5102	STR												
	1	5	10'- 0"	ES5103	STR												
	1	5	11'- 3"	ES5104	STR												
	1	5	12'- 5"	ES5105	STR												
	1	5	13'- 10"	ES5106	STR												
	1	5	15'- 2"	ES5107	STR												
	1	5	16'- 6"	ES5108	STR												
	1	5	17'- 10"	ES5109	STR												
	1	5	19'- 3"	ES5110	STR												
	1	5	20'- 7"	ES5111	STR												
	1	5	21'- 10"	ES5112	STR												
	1	5	23'- 2"	ES5113	STR												
	1	5	24'- 7"	ES5114	STR												
	1	5	26'- 0"	ES5115	STR												
	1	5	27'- 3"	ES5116	STR												
	1	5	28'- 8"	ES5117	STR												
	1	5	30'- 1"	ES5118	STR												
	1	5	31'- 4"	ES5119	STR												
	1	5	32'- 10"	ES5120	STR												
	1	5	34'- 3"	ES5121	STR												
	1	5	35'- 8"	ES5122	STR												
	1	5	37'- 0"	ES5123	STR												
	1	5	38'- 4"	ES5124	STR												
	1	5	2'- 1"	ES5125	STR												
	1	5	3'- 0"	ES5126	STR												
	1	5	3'- 10"	ES5127	STR												
	1	5	4'- 11"	ES5128	STR												
	1	5	5'- 9"	ES5129	STR												
	1	5	6'- 7"	ES5130	STR												
	1	5	7'- 5"	ES5131	STR												
	1	5	8'- 3"	ES5132	STR												
	1	5	9'- 1"	ES5133	STR												
	1	5	9'- 11"	ES5134	STR												
	1	5	10'- 9"	ES5135	STR												
	1	5	11'- 7"	ES5136	STR												
	1	5	12'- 8"	ES5137	STR												
	1	5	13'- 6"	ES5138	STR												
	1	5	14'- 4"	ES5139	STR												
	1	5	15'- 2"	ES5140	STR												
	1	5	16'- 0"	ES5141	STR												
	1	5	16'- 11"	ES5142	STR												
	1	5	17'- 9"	ES5143	STR												
	1	5	18'- 7"	ES5144	STR												
	1	5	19'- 5"	ES5145	STR												
	1	5	20'- 6"	ES5146	STR												
	1	5	21'- 5"	ES5147	STR												
	1	5	22'- 3"	ES5148	STR												
	1	5	23'- 1"	ES5149	STR												
	1	5	23'- 11"	ES5150	STR												
	1	5	24'- 10"	ES5151	STR												
	1	5	25'- 8"	ES5152	STR												
	1	5	26'- 6"	ES5153	STR												
	1	5	27'- 4"	ES5154	STR												
	1	5	28'- 6"	ES5155	STR												
	1	5	29'- 5"	ES5156	STR												
	1	5	30'- 3"	ES5157	STR												
	1	5	31'- 1"	ES5158	STR												
	1	5	32'- 0"	ES5159	STR												
	1	5	32'- 10"	ES5160	STR												
	1	5	33'- 9"	ES5161	STR												
	1	5	34'- 7"	ES5162	STR												
	1	5	35'- 6"	ES5163	STR												
	1	5	36'- 8"	ES5164	STR												
	1	5	37'- 7"	ES5165	STR												
	1	5	38'- 6"	ES5166	STR												
	1	5	1'- 8"	ES5167	STR												
	1	5	2'- 8"	ES5168	STR												
	1	5	3'- 8"	ES5169	STR												
	1	5	4'- 9"	ES5170	STR												
	1	5	5'- 9"	ES5171	STR												
	1	5	6'- 9"	ES5172	STR												
	1	5	7'- 9"	ES5173	STR												
	1	5	8'- 9"	ES5174	STR												
	1	5	9'- 9"	ES5175	STR												
	1	5	10'- 9"	ES5176	STR												
	1	5	11'- 9"	ES5177	STR												
	1	5	12'- 9"	ES5178	STR												
	1	5	13'- 10"	ES5179	STR												
	1	5	14'- 10"	ES5180	STR												
	1	5	15'- 10"	ES5181	STR												
	1	5	16'- 10"	ES5182	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 IN BAR MARK PREFIX 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

VHB *Vanasse Hangen Brustlin, Inc.*

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

FILE NAME:	z08j174rss.dgn	PLOT DATE:	1/9/2012
PROJECT MANAGER:	M.A. COLGAN	DRAWN BY:	B.J. MASSE
DESIGNED BY:	G.S. GOODRICH	CHECKED BY:	S.E. BURBANK
REINFORCING STEEL SCHEDULE SHEET #1		SHEET	62 OF 78