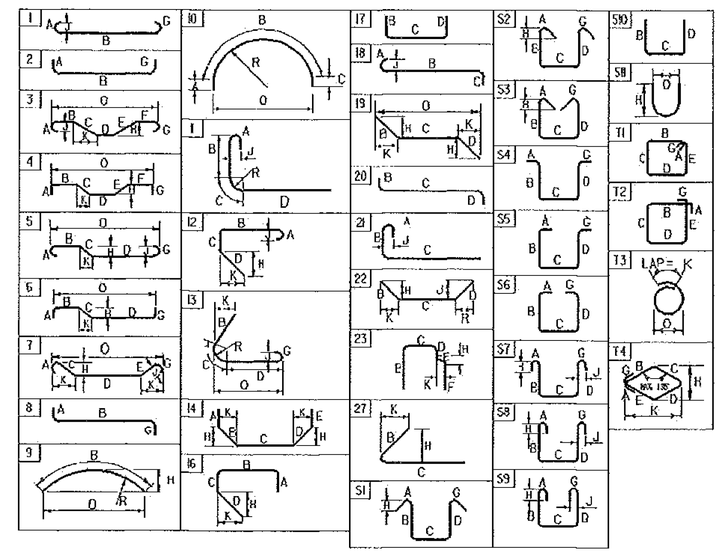
STATE OF VERMONT
AGENCY OF TRANSPORTATION

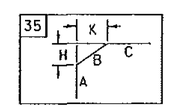
REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
DECK & CURB																	
	252	5	34'- 6"	S501.2	STR	△2											
	146	5	32'- 6"	S502.2	STR												
▲	238	5	14'- 8"	S503.2	1	0'- 7"	14'- 1"										
▲	238	5	21'- 2"	S504.2	1		20'- 7"					0'- 7"					
	274	5	4'- 5"	S505.2	S5	0'- 6"	1'- 0"	1'- 5"	1'- 0"	△2		0'- 6"					
	74	5	4'- 8"	S506.2	35	1'- 8"	1'- 0"	2'- 0"					0'- 3"		1'- 0"		
	64	5	4'- 8"	S507.2	17		3'- 0"	1'- 8"									
▲	14	5	9'- 10"	S508.2	S5	3'- 0"	1'- 8"	0'- 6"	1'- 8"			3'- 0"					
	3	5	23'- 5"	S509.2	19		1'- 10"	21'- 7"					1'- 4"		1'- 4"		22'- 11"
✳	4	5	23'- 8"	S510.2	19		2'- 1"	21'- 7"					1'- 6"		1'- 6"		23'- 1"
▲	2	5	4'- 7"	S511.2	19		1'- 10"	2'- 9"					1'- 4"		1'- 4"		4'- 1"
▲	2	5	4'- 10"	S512.2	19		2'- 1"	2'- 9"					1'- 6"		1'- 6"		4'- 3"
	6	5	21'- 8"	S513.2	STR												
▲	4	5	4'- 0"	S514.2	STR												
	4	5	4'- 2"	S515.2	19		2'- 3"	1'- 9"					1'- 9"		1'- 9"		3'- 6"
WINGWALL NO. 1																	
✳	13	5	3'- 11"	E1W501	STR												
	12	5	7'- 2"	E1W502	17		3'- 11"	3'- 3"									
	23	5	8'- 3"	E1W503	STR												
	4	5	3'- 8"	E1W504	19		1'- 6"	2'- 2"					1'- 1"		1'- 1"		
▲	13	5	11'- 0"	E1W505	STR												
▲	10	5	12'- 6"	E1W506	STR												
	12	5	11'- 0"	E1W507	STR												
	20	5	5'- 9"	E1W508	S10		2'- 2"	1'- 5"	2'- 2"	△2							
▲	24	5	9'- 0"	E1W509	STR												
▲	4	5	6'- 6"	E1W510	STR												
WINGWALL NO. 2																	
	12	5	3'- 11"	E2W501	STR												
	12	5	7'- 2"	E2W502	17		3'- 11"	3'- 3"									
	23	5	8'- 3"	E2W503	STR												
	4	5	3'- 8"	E2W504	19		1'- 6"	2'- 2"					1'- 1"		1'- 1"		
▲	13	5	12'- 9"	E2W505	STR												
▲	8	5	15'- 8"	E2W506	17		2'- 2"	13'- 6"									
	13	5	19'- 1"	E2W507	17		2'- 2"	15'- 6"									
	28	5	5'- 9"	E2W508	S10		2'- 2"	1'- 5"	2'- 2"	△2							
▲	24	5	5'- 9"	E2W509	STR												
▲	14	5	8'- 4"	E2W510	STR												
	20	5	5'- 1"	E2W512	S10		2'- 2"	0'- 9"	2'- 2"								
	4	5	6'- 2"	E2W513	S5		4'- 0"	2'- 2"									
	6	5	8'- 9"	E2W514	STR												
	6	5	3'- 8"	E2W519	STR												
WINGWALL NO. 3																	
	24	5	3'- 11"	E3W501	STR												
	24	5	7'- 2"	E3W502	17		3'- 11"	3'- 3"									
	47	5	8'- 3"	E3W503	STR												
	4	5	3'- 8"	E3W504	19		1'- 6"	2'- 2"									
▲	13	5	22'- 10"	E3W505	STR												
▲	6	5	2'- 2"	E3W506	17		2'- 2"										
	9	5	2'- 2"	E3W507	17		2'- 2"										
	44	5	5'- 9"	E3W508	S10		2'- 2"	1'- 5"	2'- 2"	△2							
▲	58	5	6'- 10"	E3W509	STR												
▲	10	5	7'- 3"	E3W510	STR												
	20	5	5'- 1"	E3W512	S10		2'- 2"	0'- 9"	2'- 2"								
	4	5	6'- 2"	E3W513	S5		4'- 0"	2'- 2"									
	6	5	5'- 5"	E3W514	STR												
	2	5	6'- 3"	E3W515	STR												
	2	5	4'- 2"	E3W516	STR												
	4	5	5'- 5"	E3W517	STR												
	2	5	19'- 0"	E3W518	STR												
	4	5	3'- 8"	E3W519	STR												
WINGWALL NO. 4																	
	17	5	3'- 11"	E4W501	STR												
	17	5	7'- 2"	E4W502	17		3'- 11"	3'- 3"									
▲	36	5	8'- 3"	E4W503	STR												
	4	5	3'- 8"	E4W504	19		1'- 6"	2'- 2"									
▲	13	5	17'- 0"	E4W505	STR												
▲	4	5	19'- 8"	E4W506	17		2'- 2"	17'- 6"									
	11	5	17'- 8"	E4W507	17		2'- 2"	15'- 6"									
	25	5	5'- 9"	E4W508	S10		2'- 2"	1'- 5"	2'- 2"	△2							
▲	32	5	6'- 5"	E4W509	STR												
▲	4	5	3'- 3"	E4W510	STR												
	14	5	5'- 1"	E4W512	S10		2'- 2"	0'- 9"	2'- 2"								
	4	5	6'- 2"	E4W513	S5		4'- 0"	2'- 2"									
	6	5	5'- 6"	E4W514	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 INCHES²	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.

REV.	DESCRIPTION	DATE
△2	LEG "C" LENGTH AND/OR QUANTITY CHANGED	3/3/2014

PROJECT NAME: HARTLAND
PROJECT NUMBER: BHF BPNT(12)

FILE NAME: z11c260rss.dgn — PLOT DATE: 2/27/2014
PROJECT MANAGER: M.A. COLGAN — DRAWN BY: A.J. GOUDREAU
DESIGNED BY: A.J. GOUDREAU — CHECKED BY: M.C. SCOTT
BR 62A REINFORCING STEEL SCHEDULE — SHEET 34 OF 55

VHB 57537