STATE OF VERMONT
AGENCY OF TRANSPORTATION

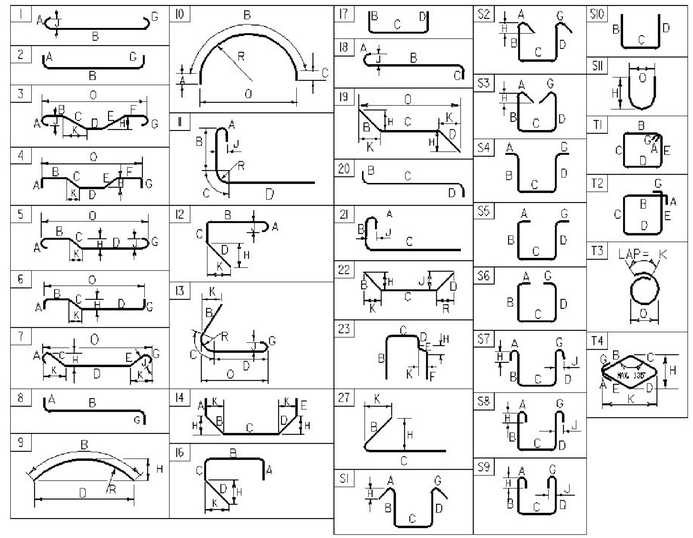
REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
ABUTMENT NO. 1 SUBFOOTING																	
▲	10	8	8'- 0"	1SF801	STR												
ABUTMENT NO. 1 FOOTING																	
	34	5	8'- 0"	1F501	STR												
▲	10	5	34'- 0"	1F502	STR												
▲	8	5	23'- 1"	1F503	STR												
	10	5	16'- 0"	1F504	STR												
	5	5	11'- 9"	1F505	STR												
▲	8	5	18'- 7"	1F506	STR												
	10	5	10'- 3"	1F507	STR												
	5	5	11'- 6"	1F508	STR												
	18	5	2'- 0"	1F509	STR												
	9	5	2'- 0"	1F510	STR												
	38	5	9'- 0"	1F511	STR												
▲	10	5	21'- 10"	1F512	STR												
✳	30	6	8'- 0"	1F601	STR												
▲	10	6	34'- 0"	1F602	STR												
	10	6	21'- 10"	1F603	STR												
✳	6	8	11'- 9"	1F801	STR												
	5	8	13'- 0"	1F802	STR												
✳	39	8	9'- 0"	1F803	STR												
▲	40	8	4'- 6"	1F804	STR												
	9	5	5'- 4"	1F550	22		0'- 10"	4'- 6"	---				0'- 4"	---	0'- 9"	---	
	9	5	3'- 11"	1F551	17		0'- 10"	3'- 1"	---								
	93	5	4'- 7"	1F552	17		3'- 9"	0'- 10"	---								
	82	6	4'- 9"	1F650	17		3'- 9"	1'- 0"	---								
	77	6	8'- 9"	1F651	17		7'- 9"	1'- 0"	---								
ABUTMENT NO. 1 STEM																	
✳	20	5	8'- 3"	1A501	STR												
	24	5	8'- 6"	1A502	STR												
	11	5	17'- 4"	1A503	STR												
	10	5	18'- 0"	1A504	STR												
	11	5	21'- 9"	1A505	STR												
	10	5	21'- 1"	1A506	STR												
✳	3	5	7'- 3"	1A507	STR												
	4	5	12'- 3"	1A508	STR												
	3	5	4'- 4"	1A509	STR												
	8	5	3'- 4"	1A510	STR												
	17	6	8'- 3"	1A601	STR												
	20	6	8'- 6"	1A602	STR												
	3	6	12'- 3"	1A603	STR												
	37	5	7'- 9"	1A550	17		2'- 11"	1'- 11"	2'- 11"								
	4	5	4'- 9"	1A551	17		2'- 0"	0'- 9"	2'- 0"								
	4	5	5'- 10"	1A552	17		2'- 2"	1'- 6"	2'- 2"								
	20	5	5'- 4"	1A553	22		---	3'- 4"	2'- 0"				---	1'- 11"	---	0'- 8"	
	10	5	4'- 2"	1A554	22		1'- 2"	3'- 0"	---				1'- 2"	---	0'- 5"	---	
	8	5	5'- 11"	1A555	4	---	0'- 10"	3'- 1"	2'- 0"	---	---	---	2'- 2"		2'- 2"		5'- 0"
WINGWALL 1																	
	21	5	11'- 10"	1W501	STR												
	26	5	18'- 1"	1W502	STR												
✳	19	6	11'- 10"	1W601	STR												
	18	5	5'- 8"	1W550	17		2'- 4"	1'- 0"	2'- 4"								
	10	5	4'- 0"	1W551	27		2'- 0"	2'- 0"					1'- 4"		0'- 6"		
	8	5	8'- 0"	1W552	22		0'- 10"	6'- 4"	0'- 10"				0'- 8"	0'- 8"	0'- 6"	0'- 6"	
	8	5	3'- 5"	1W553	22		1'- 5"	2'- 0"	---				1'- 4"	---	0'- 6"	---	
	1	5	7'- 4"	1W554	17		2'- 0"	3'- 4"	2'- 0"								
WINGWALL 2																	
	26	5	12'- 3"	2W501	STR												
	28	5	25'- 0"	2W502	STR												
	26	6	12'- 3"	2W601	STR												
	23	5	6'- 5"	2W550	17		2'- 3"	1'- 11"	2'- 3"								
	3	5	13'- 9"	2W551	17		2'- 3"	3'- 0"	2'- 3"								
	14	5	8'- 5"	2W552	17		3'- 0"	2'- 5"	3'- 0"								
ABUTMENT NO. 2 SUBFOOTING																	
▲	8	8	8'- 0"	2SF801	STR												
ABUTMENT NO. 2 FOOTING																	
✳	51	5	8'- 0"	2F501	STR												
	8	5	21'- 6"	2F502	STR												
	10	5	13'- 4"	2F503	STR												
	5	5	11'- 6"	2F504	STR												
	20	5	18'- 3"	2F505	STR												
	21	5	9'- 0"	2F506	STR												
	18	5	2'- 0"	2F507	STR												
	18	5	2'- 0"	2F508	STR												
	8	5	22'- 2"	2F509	STR												
	10	5	10'- 6"	2F510	STR												
	5	5	11'- 8"	2F511	STR												
	20	5	18'- 0"	2F512	STR												

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
	5	6	11'- 6"	2F601	STR												
	5	6	11'- 8"	2F602	STR												
✳	22	6	9'- 0"	2F603	STR												
▲	30	8	4'- 6"	2F801	STR												
	112	5	4'- 7"	2F550	17		3'- 9"	0'- 10"	---								
✳	39	5	6'- 9"	2F551	17		5'- 9"	1'- 0"	---								
	23	6	4'- 9"	2F650	17		3'- 9"	1'- 0"	---								
ABUTMENT NO. 2 STEM																	
	35	5	4'- 6"	2A501	STR												
✳	38	5	5'- 4"	2A502	STR												
	7	5	18'- 9"	2A503	STR												
	6	5	19'- 6"	2A504	STR												
	9	5	20'- 5"	2A505	STR												
	8	5	19'- 7"	2A506	STR												
	2	5	3'- 3"	2A507	STR												
	6	5	9'- 8"	2A508	STR												
	8	5	4'- 1"	2A509	STR												
	3	5	4'- 4"	2A510	STR												
NOT USED				2A511													
	19	5	4'- 10"	2A512	STR												
	19	5	5'- 4"	2A513	STR												
	36	5	7'- 11"	2A550	17		3'- 0"	1'- 11"	3'- 0"								
	5	5	4'- 9"	2A551	17		2'- 0"	0'- 9"	2'- 0"								
	8	5	5'- 5"	2A552	27		2'- 5"	3'- 0"						2'- 3"		0'- 10"	
	16	5	6'- 1"	2A553	27		2'- 0"	4'- 1"						1'- 11"		0'- 8"	
	4	5	5'- 10"	2A554	17		2'- 2"	1'- 6"	2'- 2"								
	8	5	5'- 11"	2A555	4	---	0'- 10"	3'- 1"	2'- 0"	---	---	---	2'- 2"		2'- 2"		5'- 0"
WINGWALL 3																	
	15	5	7'- 7"	3W501	STR												
	18	5	13'- 0"	3W502	STR												
✳	13	6	7'- 7"	3W601	STR												
	12	5	5'- 4"	3W550	17		2'- 2"	1'- 0"	2'- 2"								
	4	5	10'- 6"	3W551	22		0'- 10"	8'- 10"	0'- 10"					0'- 6"	0'- 6"	0'- 8"	0'- 8"
	6	5	4'- 0"	3W552	22		2'- 0"	2'- 0"	---					1'- 11"	---	0'- 8"	---
	8	5	3'- 7"	3W553	22		---	2'- 0"	1'- 7"					---	1'- 8"	---	0'- 7"
	1	5	7'- 2"	3W554	17		2'- 0"	3'- 2"	2'- 0"								
WINGWALL 4																	
	11	5	9'- 6"	4W501	STR												
	23	5	10'- 0"	4W502	STR												
✳	12	6	9'- 6"	4W601	STR												
	11	5	6'- 3"	4W550	17		2'- 2"	1'- 11"	2'- 2"								
DECK																	
	60	5	16'- 4"	S501.2	STR												
	186	5	26'- 1"	S502.2	STR												
	36	5	1'- 10"	S503.2	STR												
	4	5	3'- 10"	S504.2	STR												
✳	5	5	5'- 11"	S505.2	STR												
✳	5	5	8'- 0"	S506.2	STR												
	4	5	10'- 0"	S507.2	STR												
	4	5	12'- 2"	S508.2	STR												
	4	5	14'- 2"	S509.2	STR												
	24	5	17'- 4"	S510.2	STR												
	4	5	14'- 10"	S511.2	STR												
	4	5	14'- 10"	S512.2	STR												
	67	5	2'- 3"	S513.2	STR												
	60	5	17'- 2"	S514.2	STR												
	22	5	26'- 5"	S515.2	STR												
	24	5	18'- 6"	S516.2	STR												
	4	5	15'- 10"	S517.2	STR												
	4	5	15'- 11"	S518.2	STR												
	2	6	1'- 1"	S601.2	STR												
	2	6	2'- 6"	S602.2	STR												
	2	6	3'- 10"	S603.2	STR												
✳	3	6	5'- 3"	S604.2	STR												
✳	3	6	6'- 8"	S605.2	STR												
	2	6	8'- 0"	S606.2	STR												
	2	6	9'- 4"	S607.2	STR												
	2	6	10'- 9"	S608.2	STR												
	2	6	12'- 2"	S609.2	STR												
	2	6	13'- 6"	S610.2	STR												
	2	6	14'- 10"	S611.2	STR												
	99	6	2'- 3"	S612.2	STR												
	148	5	5'- 0"	S550.2	17		2'- 0"	3'- 0"	---								
	65	5	4'- 2"	S551.2	16	0'- 10"	1'- 6"	0'- 6"	1'- 4"					1'- 1"		0'- 11"	
	51	5	4'- 6"	S552.2	S5	0'- 10"	0'- 7"	1'- 8"	0'- 7"			0'- 10"					
	51	5	4'- 4"	S553.2	S5	0'- 10"	0'- 7"	1'- 6"	0'- 7"			0'- 10"					
	3	5	3'- 11"	S554.2	22		2'- 1"	1'- 10"	---					0'- 8"	---	1'- 11"	---
	4	5	3'- 9"	S555.2	22		2'- 1"	1'- 8"	---					0'- 8"	---	1'- 11"	---
	72	5	5'- 0"	S556.2	19		2'- 0"	3'- 0"	---					1'- 5"		1'- 5"		4'- 5"

~ 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

PROJECT NAME: JAY
PROJECT NUMBER: BHF 0278(3)

FILE NAME:
PROJECT MANAGER: M. CHENETTE
DESIGNED BY: N. TIRK
REINFORCING STEEL SCHEDULE SHEET #1

PLOT DATE: 3/17/2016
DRAWN BY: J. SOTER
CHECKED BY: T. KNIGHT
SHEET 41 OF 72