STATE OF VERMONT
AGENCY OF TRANSPORTATION

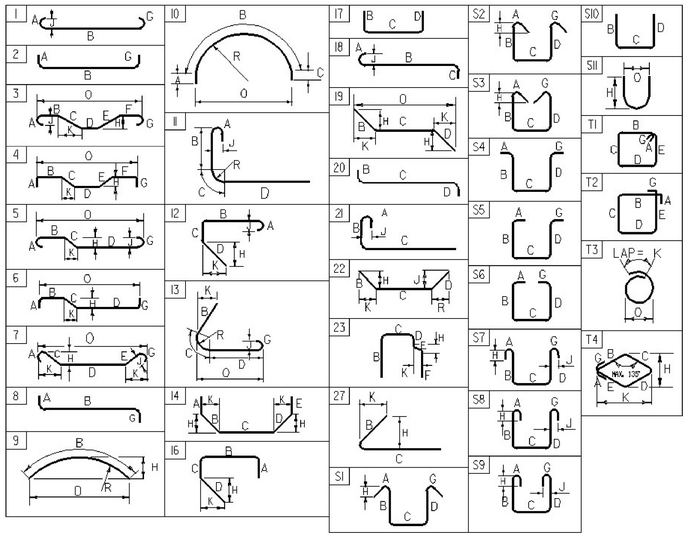
REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
DECK																	
✳	11	5	32'- 0"	ES501	STR												
✳ ▲	34	6	19'- 3"	ES601	STR												
	66	5	9'- 4"	ES502	S6	1'- 0"	1'- 6"	4'- 4"	1'- 6"			1'- 0"					
✳	40	9	33'- 11"	ES901	1	1'- 3"	32'- 0"					---		1'- 0"			
ABUTMENT #1																	
	20	5	29'- 7"	1A501	STR												
	34	5	25'- 9"	1A502	STR												
	40	5	12'- 9"	1A503	STR												
✳ ▲	23	5	16'- 4"	1A504	STR												
	29	5	4'- 11"	1A505	STR												
▲	7	5	14'- 9"	1A506	STR												
▲	7	5	18'- 4"	1A507	STR												
✳	48	7	12'- 0"	1A701	STR												
✳	51	8	2'- 9"	1A801	STR												
	27	5	5'- 11"	1A508	17		2'- 2"	1'- 7"	2'- 2"								
▲	9	5	6'- 4"	1A509	19		2'- 2"	4'- 2"					1'- 5"		1'- 8"		
▲	9	5	5'- 8"	1A510	19		3'- 6"	2'- 2"					1'- 11"		1'- 1"		
	53	7	14'- 2"	1A702	17		8'- 7"	5'- 7"	---								
	11	8	4'- 0"	1EA802	STR												
WINGWALL #1																	
	22	5	17'- 7"	1W501	STR												
▲	40	5	16'- 2"	1W502	STR												
	34	5	15'- 3"	1W503	STR												
▲	17	5	18'- 4"	1W504	STR												
	17	5	4'- 11"	1W505	STR												
	34	7	14'- 0"	1W701	STR												
	17	5	6'- 5"	1W506	17		2'- 2"	2'- 1"	2'- 2"								
	17	5	4'- 4"	1W507	19		2'- 2"	2'- 2"	---				1'- 5"		1'- 8"		
	34	5	6'- 8"	1W508	19		2'- 2"	4'- 6"	---				1'- 5"		1'- 8"		
	2	5	18'- 0"	1W509	19		2'- 2"	15'- 10"	---				1'- 1"		1'- 10"		
	34	7	14'- 2"	1W702	17		8'- 1"	6'- 1"	---								
WINGWALL #2 ⚠																	
	22	5	31'- 5"	2W501	STR												
	38	5	29'- 1"	2W502	STR												
	58	5	14'- 5"	2W503	STR												
▲	30	5	17'- 7"	2W504	STR												
	30	5	4'- 11"	2W505	STR												
	58	7	14'- 0"	2W701	STR												
	30	5	6'- 5"	2W506	17		2'- 2"	2'- 1"	2'- 2"								
	17	5	4'- 4"	2W507	19		2'- 2"	2'- 2"	---				1'- 11"		1'- 1"		
	17	5	14'- 10"	2W508	22		2'- 2"	10'- 6"	2'- 2"				1'- 1"	1'- 1"	1'- 11"	1'- 11"	
	58	7	14'- 2"	2W702	17		8'- 1"	6'- 1"	---								
⚠	9	5	14'- 0"	2W509	STR												
⚠	15	5	12'- 1"	2W510	19		2'- 2"	7'- 9"	2'- 2"				1'- 6"		1'- 6"		
⚠	15	5	10'- 1"	2W511	17		2'- 2"	7'- 11"	---								

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
ABUTMENT #2																	
	22	5	28'- 7"	2A501	STR												
	40	5	24'- 4"	2A502	STR												
	38	5	14'- 5"	2A503	STR												
✳ ▲	22	5	19'- 0"	2A504	STR												
	28	5	4'- 11"	2A505	STR												
▲	7	5	16'- 5"	2A506	STR												
▲	7	5	21'- 0"	2A507	STR												
✳	46	8	14'- 0"	2A801	STR												
	26	5	6'- 5"	2A508	17		2'- 2"	2'- 1"	2'- 2"								
▲	9	5	6'- 1"	2A509	19		2'- 2"	3'- 11"							1'- 6"		1'- 6"
▲	9	5	5'- 6"	2A510	19		2'- 2"	3'- 4"							0'- 11"		2'- 0"
✳	52	6	15'- 8"	2A601	17		9'- 7"	6'- 1"	---								
	11	8	4'- 0"	2EA802	STR												
WINGWALL #3																	
	23	5	25'- 9"	3W501	STR												
▲	44	5	24'- 4"	3W502	STR												
	47	5	16'- 5"	3W503	STR												
▲	25	5	21'- 1"	3W504	STR												
	25	5	4'- 11"	3W505	STR												
✳	48	9	15'- 0"	3W901	STR												
	25	5	6'- 5"	3W506	17		2'- 2"	2'- 1"	2'- 2"								
	20	5	4'- 4"	3W507	19		2'- 2"	2'- 2"	---						1'- 6"		1'- 6"
	40	5	6'- 4"	3W508	19		2'- 2"	4'- 2"	---						1'- 6"		1'- 6"
	2	5	24'- 8"	3W509	19		2'- 2"	22'- 6"	---						0'- 5"		2'- 1"
	47	7	15'- 8"	3W701	17		9'- 7"	6'- 1"	---								
WINGWALL #4																	
	23	5	23'- 8"	4W501	STR												
▲	42	5	20'- 11"	4W502	STR												
	40	5	15'- 8"	4W503	STR												
▲	22	5	20'- 3"	4W504	STR												
	22	5	4'- 11"	4W505	STR												
	40	9	15'- 0"	4W901	STR												
	22	5	6'- 5"	4W506	17		2'- 2"	2'- 1"	2'- 2"								
	19	5	4'- 4"	4W507	19		2'- 2"	2'- 2"	---				2'- 0"		0'- 11"		
	19	5	15'- 2"	4W508	22		2'- 2"	10'- 10"	2'- 2"				1'- 2"	1'- 2"	1'- 10"	1'- 10"	
	2	5	22'- 1"	4W509	19		2'- 2"	19'- 11"	---				0'- 9"		2'- 1"		
	40	7	15'- 8"	4W701	17		9'- 7"	6'- 1"	---								

~ 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	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	2.04	0.875	0.60	2.749
#8	2.670	1.000	0.79	3.14
#9	3.400	1.13	1.00	3.54
#10	4.3	1.270	1.27	3.990
#11	5.31	1.410	1.56	4.430
#14	7.65	1.69	2.25	5.32
#18	13.60	2.26	4.00	7.09

~ REINFORCING STEEL CORROSION RESISTANCE LEVEL ~

THE REINFORCING STEEL MARKS IN THIS SCHEDULE INDICATE THE REQUIRED BAR CORROSION RESISTANCE LEVEL. CORROSION RESISTANCE LEVEL IS DENOTED WITH A .2 FOR LEVEL TWO SUFFIX OR .3 FOR LEVEL THREE SUFFIX .1 FOR LEVEL ONE IS TO BE OMITTED. THE BAR MATERIAL TYPE AND BAR STEEL GRADE PROVIDED FOR EACH CORROSION LEVEL WILL BE RECORDED ON THE PLAN SET PI SHEET FOR AS-BUILT RECORD PLAN ARCHIVES.

KEY	DATE	BY	REVISION
⚠	08/12/2016	VAOT	MODIFIED WINGWALL #2.

PROJECT NAME: **STAMFORD**
PROJECT NUMBER: **STP 1441(29)**

FILE NAME: **s96j226rss.xls**
PROJECT MANAGER: **C.W. CARLSON**
DESIGNED BY: **H. SALLS**
REINFORCING STEEL SCHEDULE

PLOT DATE: **12/24/2015**
DRAWN BY: **D. KARABEGOVI(**
CHECKED BY: **H. SALLS**