STATE OF VERMONT
AGENCY OF TRANSPORTATION

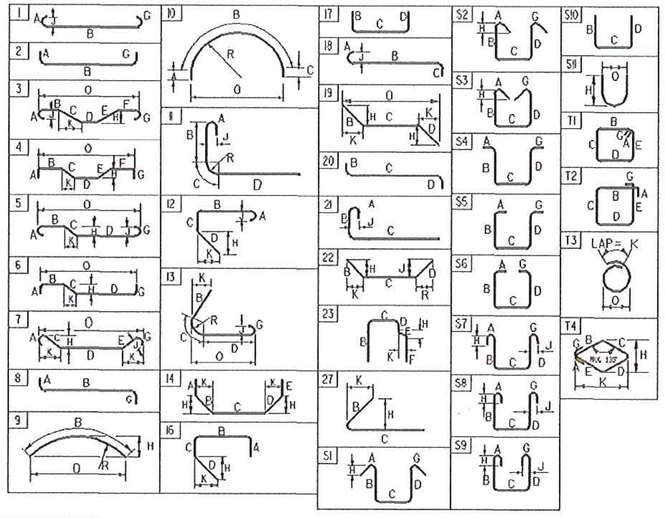
REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
	DECK																
✳	13	5	41'- 6"	ES501	STR	41'- 6"											
	86	5	12'- 10"	ES502	S6	2'- 2"	1'- 9"	5'- 0"	1'- 9"			2'- 2"					
✳	44	6	19'- 6"	ES601	STR	19'- 6"											
✳	40	11	42'- 6"	ES1101	1	1'- 7"	41'- 0"							1'- 9"			
	ABUTMENT NO. 1																
✳	14	5	26'- 0"	1A501	STR	26'- 0"											
	26	5	3'- 11"	1A502	STR	3'- 11"											
	32	5	13'- 1"	1A503	STR	13'- 1"											
	21	5	6'- 11"	1A504	STR	6'- 11"											
	21	5	6'- 11"	1A505	STR	6'- 11"											
	8	5	4'- 1"	1A506	STR	4'- 1"											
	53	5	6'- 6"	1A508	STR	6'- 6"											
	10	5	10'- 1"	1A510	STR	10'- 1"											
	26	5	5'- 11"	1A507	S10		2'- 2"	1'- 7"	2'- 2"								
	26	5	7'- 6"	1A509	17		3'- 7"	3'- 11"	---								
✳ ▲	22	8	9'- 0"	1A801	STR	9'- 0"											
△	13	8	3'- 4"	1EA801	STR	3'- 4"											
	WINGWALL NO. 1																
	10	5	8'- 0"	1W501	STR	8'- 0"											
	13	5	3'- 11"	1W502	STR	3'- 11"											
	23	5	9'- 7"	1W503	STR	9'- 7"											
▲	13	5	9'- 11"	1W504	STR	9'- 11"											
▲	13	5	9'- 7"	1W505	STR	9'- 7"											
	17	5	6'- 0"	1W508	STR	6'- 0"											
	13	5	5'- 10"	1W506	S10		2'- 2"	1'- 6"	2'- 2"								
	13	5	5'- 5"	1W507	17		1'- 6"	3'- 11"	---								
	16	5	4'- 9"	1W509	22		2'- 2"	2'- 7"	---				2'- 6"	---	0'- 8"	---	
	8	5	6'- 5"	1W510	22		4'- 3"	2'- 2"	---				4'- 1"	---	1'- 1"	---	
	50	5	3'- 1"	1W511	T9	0'- 8"	1'- 7"					0'- 10"					
	WINGWALL NO. 2																
	13	5	5'- 0"	2W501	STR	5'- 0"											
	13	5	3'- 11"	2W502	STR	3'- 11"											
	22	5	9'- 2"	2W503	STR	9'- 2"											
▲	13	5	10'- 1"	2W504	STR	10'- 1"											
▲	13	5	10'- 1"	2W505	STR	10'- 1"											
	11	5	7'- 6"	2W508	STR	7'- 6"											
	13	5	5'- 5"	2W506	17		2'- 2"	1'- 1"	2'- 2"								
	13	5	7'- 0"	2W507	17		3'- 1"	3'- 11"	---								
	33	5	4'- 4"	2W509	27		2'- 2"	2'- 2"					2'- 1"		0'- 7"		
	ABUTMENT NO. 2																
✳	18	5	28'- 0"	2A501	STR	28'- 0"											
	26	5	3'- 11"	2A502	STR	3'- 11"											
	52	5	13'- 6"	2A503	STR	13'- 6"											
	21	5	11'- 8"	2A504	STR	11'- 8"											
	26	5	8'- 3"	2A505	STR	8'- 3"											
	8	5	4'- 3"	2A506	STR	4'- 3"											
	5	5	14'- 11"	2A508	STR	14'- 11"											
	26	5	5'- 11"	2A507	17		2'- 2"	1'- 7"	2'- 2"								
	26	6	14'- 8"	2A601	17		4'- 1"	10'- 7"	---								
	55	7	10'- 9"	2A701	STR	10'- 9"											
	26	7	12'- 8"	2A702	17		4'- 1"	8'- 7"	---								
✳ ▲	26	8	3'- 6"	2A801	STR	3'- 6"											
△	13	8	3'- 4"	2EA801	STR	3'- 4"											

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
	WINGWALL NO. 3																
	16	5	4'- 1"	3W501	STR	4'- 1"											
	10	5	3'- 11"	3W502	STR	3'- 11"											
▲	30	5	10'- 0"	3W503	STR	10'- 0"											
▲	20	5	14'- 11"	3W504	STR	14'- 11"											
	20	5	9'- 6"	3W505	STR	9'- 6"											
	20	5	5'- 10"	3W506	S10		2'- 2"	1'- 6"	2'- 2"								
	24	5	4'- 9"	3W507	27		2'- 7"	2'- 2"	---				2'- 6"	---	0'- 8"		
	12	5	6'- 5"	3W508	27		4'- 3"	2'- 2"	---				4'- 1"	---	1'- 1"		
	50	5	3'- 1"	3W509	T9	0'- 8"	1'- 7"					0'- 10"					
	10	6	14'- 1"	3W601	17		3'- 6"	10'- 7"	---								
	9	7	10'- 0"	3W701	STR	10'- 0"											
	10	7	12'- 7"	3W702	17		3'- 6"	9'- 1"	---								
	WINGWALL NO. 4																
	16	5	7'- 1"	4W501	STR	7'- 1"											
	13	5	3'- 11"	4W502	STR	3'- 11"											
	32	5	12'- 4"	4W503	STR	12'- 4"											
▲	13	5	15'- 5"	4W504	STR	15'- 5"											
	13	5	13'- 5"	4W505	STR	13'- 5"											
	13	5	5'- 11"	4W506	S10		2'- 2"	1'- 7"	2'- 2"								
	48	5	5'- 0"	4W507	22		2'- 6"	2'- 6"	---				2'- 3"	---	1'- 1"	---	
	13	6	14'- 2"	4W601	17		3'- 7"	10'- 7"	---								
	15	7	10'- 0"	4W701	STR	10'- 0"											
	13	7	12'- 8"	4W702	17		3'- 7"	9'- 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 DESIGNATION NO.	NOMINAL WEIGHT	NOMINAL DIMENSIONS		
		DIAMETER	AREA	PERIMETER
#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.

REVISION	DATE	DESCIPTION	BY
3	07-12-2016	ABUTMENT & WINGWALL REINFORCING STEEL CHANGES	MCL

PROJECT NAME: HUNTINGTON
PROJECT NUMBER: BRO 1445(35)

FILE NAME: sl2j162rss.dgn
PROJECT LEADER: C. CARLSON
DESIGNED BY: D. PETERSON
REINFORCING STEEL SCHEDULE

PLOT DATE: 13-JUL-2016
DRAWN BY: R. PELLETT
CHECKED BY: D. PETERSON
SHEET 27A OF 44