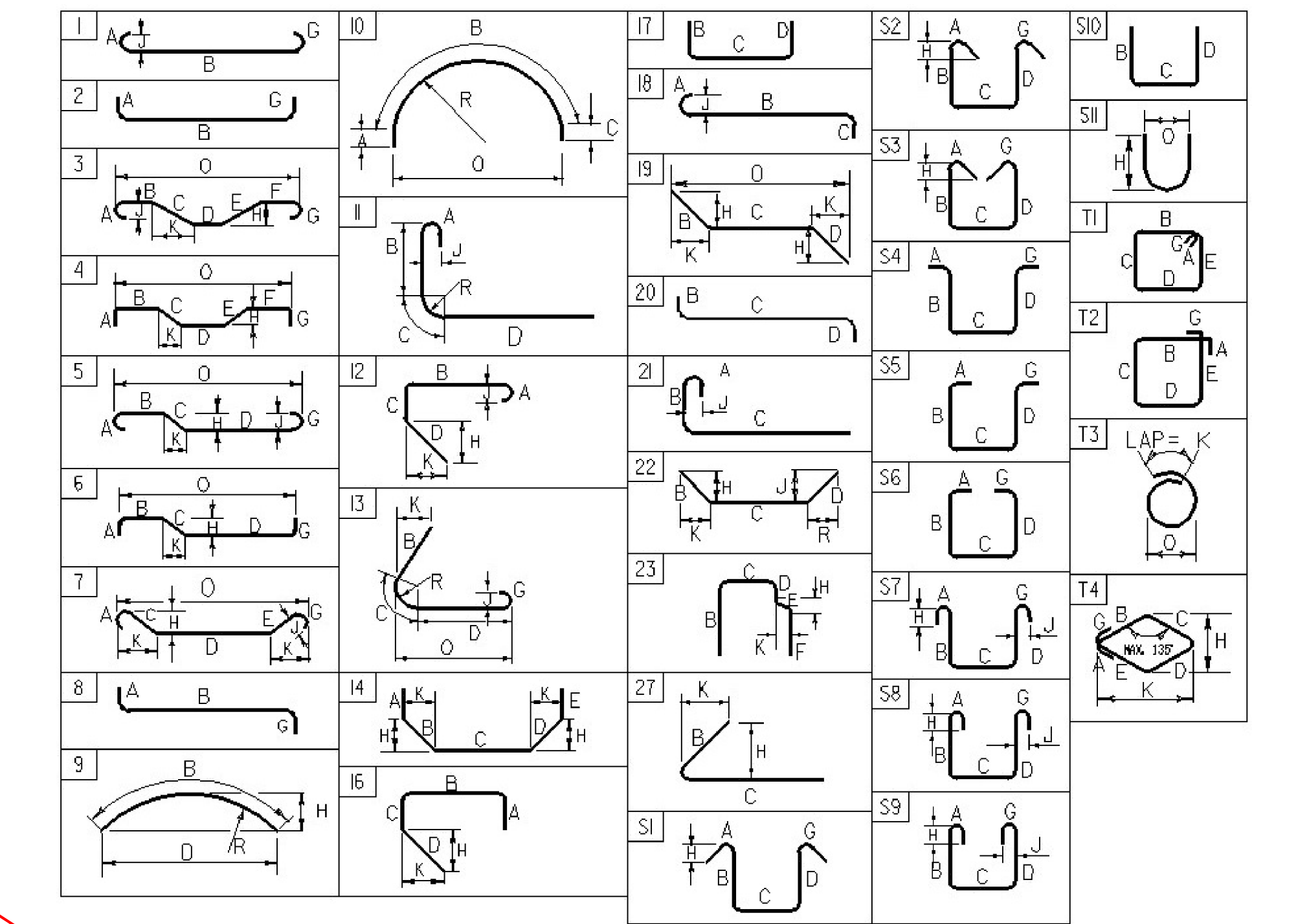


REINFORCING STEEL SCHEDULE

SEE REVISED SHEET 27A

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O	ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O																																																												
DECK																		WINGWALL NO. 3																																																																													
*	13	5	41'-6"	ES501	STR	41'-6"												16	5	4'-1"	3W501	STR	4'-1"																																																																								
	86	5	12'-10"	ES502	66	2'-2"	1'-9"	5'-0"	1'-9"			2'-2"						13	5	3'-11"	3W502	STR	3'-11"																																																																								
*	44	6	19'-6"	ES601	STR	19'-6"												40	5	12'-0"	3W503	STR	12'-0"																																																																								
*	40	11	42'-6"	ES1101	1	1'-7"	41'-0"							1'-9"				13	5	18'-11"	3W504	STR	18'-11"																																																																								
ABUTMENT NO. 1																		WINGWALL NO. 4																																																																													
*	14	5	30'-8"	1A501	STR	30'-8"												13	5	12'-11"	3W505	STR	12'-11"																																																																								
	30	5	3'-11"	1A502	STR	3'-11"												13	5	5'-11"	3W506	S10		2'-2"	1'-7"	2'-2"																																																																					
	32	5	15'-5"	1A503	STR	15'-5"												60	5	4'-4"	3W507	27		2'-2"	2'-2"	---			2'-1"	---	0'-7"																																																																
	21	5	6'-11"	1A504	STR	6'-11"												13	6	14'-2"	3W601	17		3'-7"	10'-7"	---																																																																					
	21	5	6'-11"	1A505	STR	6'-11"												9	7	10'-0"	3W701	STR	10'-0"																																																																								
▲	16	5	4'-1"	1A506	STR	4'-1"												13	7	12'-8"	3W702	17		3'-7"	9'-1"	---																																																																					
▲	63	5	6'-6"	1A508	STR	6'-6"												WINGWALL NO. 4																																																																													
▲	10	5	10'-1"	1A510	STR	10'-1"												16	5	7'-1"	4W501	STR	7'-1"																																																																								
▲	10	5	10'-1"	1A511	STR	10'-1"												13	5	3'-11"	4W502	STR	3'-11"																																																																								
	31	5	5'-11"	1A507	S10		2'-2"	1'-7"	2'-2"									40	5	12'-4"	4W503	STR	12'-4"																																																																								
	30	5	7'-6"	1A509	17		3'-7"	3'-11"										13	5	19'-5"	4W504	STR	19'-5"																																																																								
*	▲	22	8	9'-0"	1A801	STR	9'-0"											13	5	13'-5"	4W505	STR	13'-5"																																																																								
△	13	8	3'-4"	1EA801	STR	3'-4"												13	5	5'-11"	4W506	S10		2'-2"	1'-7"	2'-2"				2'-3"		1'-1"																																																															
WINGWALL NO. 1																		WINGWALL NO. 4																																																																													
	9	5	8'-0"	1W501	STR	8'-0"												13	6	14'-2"	4W601	17		3'-7"	10'-7"	---																																																																					
	16	5	3'-11"	1W502	STR	3'-11"												15	7	10'-0"	4W701	STR	10'-0"																																																																								
	22	5	11'-0"	1W503	STR	11'-0"												13	7	12'-8"	4W702	17		3'-7"	9'-1"	---																																																																					
▲	16	5	9'-11"	1W504	STR	9'-11"												WINGWALL NO. 2																																																																													
▲	16	5	9'-11"	1W505	STR	9'-11"												13	5	5'-0"	2W501	STR	5'-0"																																																																								
	17	5	6'-0"	1W508	STR	6'-0"												13	5	3'-11"	2W502	STR	3'-11"																																																																								
	16	5	5'-5"	1W506	S10		2'-2"	1'-1"	2'-2"									22	5	9'-2"	2W503	STR	9'-2"																																																																								
	16	5	5'-0"	1W507	17		1'-1"	3'-11"										▲	13	5	10'-1"	2W504	STR	10'-1"																																																																							
	33	5	4'-4"	1W509	22		2'-2"	2'-2"	---				2'-1"	---	0'-7"	---	▲	13	5	10'-1"	2W505	STR	10'-1"																																																																								
WINGWALL NO. 2																		WINGWALL NO. 2																																																																													
	13	5	5'-0"	2W501	STR	5'-0"												13	5	5'-5"	2W506	17		2'-2"	1'-1"	2'-2"																																																																					
	13	5	3'-11"	2W502	STR	3'-11"												13	5	7'-0"	2W507	17		3'-1"	3'-11"																																																																						
	22	5	9'-2"	2W503	STR	9'-2"												33	5	4'-4"	2W509	27		2'-2"	2'-2"	---			2'-1"		0'-7"																																																																
▲	13	5	10'-1"	2W504	STR	10'-1"												ABUTMENT NO. 2																																																																													
▲	13	5	10'-1"	2W505	STR	10'-1"												* 18	5	33'-2"	2A501	STR	33'-2"																																																																								
	11	5	7'-6"	2W508	STR	7'-6"												30	5	3'-11"	2A502	STR	3'-11"																																																																								
	13	5	5'-5"	2W506	17		2'-2"	1'-1"	2'-2"									68	5	15'-9"	2A503	STR	15'-9"																																																																								
	13	5	7'-0"	2W507	17		3'-1"	3'-11"										21	5	15'-8"	2A504	STR	15'-8"																																																																								
	33	5	4'-4"	2W509	27		2'-2"	2'-2"	---									30	5	12'-3"	2A505	STR	12'-3"																																																																								
ABUTMENT NO. 2																		ABUTMENT NO. 2																																																																													
*	18	5	33'-2"	2A501	STR	33'-2"												30	5	5'-11"	2A507	17		2'-2"	1'-7"	2'-2"																																																																					
	30	5	3'-11"	2A502	STR	3'-11"												30	6	14'-8"	2A601	17		4'-1"	10'-7"	---																																																																					
	68	5	15'-9"	2A503	STR	15'-9"												62	7	10'-9"	2A701	STR	10'-9"																																																																								
	21	5	15'-8"	2A504	STR	15'-8"												30	7	12'-8"	2A702	17		4'-1"	8'-7"	---																																																																					
	30	5	12'-3"	2A505	STR	12'-3"												* ▲	26	8	8'-0"	2A801	STR	8'-0"																																																																							
*	17	5	4'-7"	2A506	STR	4'-7"												△	13	8	3'-4"	2EA801	STR	3'-4"																																																																							
▲	10	5	18'-11"	2A508	STR	18'-11"												REINFORCING STEEL CORROSION RESISTANCE LEVEL																																																																													
	30	5	5'-11"	2A507	17		2'-2"	1'-7"	2'-2"									<table border="1"> <thead> <tr> <th>BAR SIZE</th><th>WYTH</th><th>WYTH</th><th>WYTH</th><th>WYTH</th></tr> </thead> <tbody> <tr><td>#3</td><td>0.376</td><td>0.375</td><td>0.11</td><td>1.178</td></tr> <tr><td>#4</td><td>0.668</td><td>0.500</td><td>0.20</td><td>1.571</td></tr> <tr><td>#5</td><td>1.043</td><td>0.625</td><td>0.31</td><td>1.963</td></tr> <tr><td>#6</td><td>1.502</td><td>0.750</td><td>0.44</td><td>2.356</td></tr> <tr><td>#7</td><td>2.04</td><td>0.875</td><td>0.60</td><td>2.749</td></tr> <tr><td>#8</td><td>2.670</td><td>1.000</td><td>0.79</td><td>3.14</td></tr> <tr><td>#9</td><td>3.400</td><td>1.13</td><td>1.00</td><td>3.54</td></tr> <tr><td>#10</td><td>4.3</td><td>1.270</td><td>1.27</td><td>3.990</td></tr> <tr><td>#11</td><td>5.31</td><td>1.410</td><td>1.56</td><td>4.430</td></tr> <tr><td>#14</td><td>7.65</td><td>1.69</td><td>2.25</td><td>5.32</td></tr> <tr><td>#18</td><td>13.60</td><td>2.26</td><td>4.00</td><td>7.09</td></tr> </tbody> </table>																		BAR SIZE	WYTH	WYTH	WYTH	WYTH	#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
BAR SIZE	WYTH	WYTH	WYTH	WYTH																																																																																											
#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																																																																																											

- ~ NOTES ~
- 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-S). ALL BARS SHALL BE GRADE 60, UNLESS OTHERWISE DESIGNATED.
 - 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".
 - BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
 - ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180 DEGREE AND 135 DEGREE HOOKS.
 - "J" DIMENSION ON 180 DEGREE HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE. OTHERWISE, STANDARD HOOKS ARE TO BE USED.
 - "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
 - WHERE SLOPE DIFFERS FROM 45 DEGREES, DIMENSIONS "H" AND "K" MUST BE SHOWN.
 - ▲ DENOTES BARS TO BE CUT IN FIELD.
 - * DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
 - △ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
 - E IN BAR MARK PREFIX DENOTES EPOXY COATED REINFORCING STEEL.



ASTM STANDARD REINFORCING BARS

BAR SIZE	WYTH	WYTH	WYTH	WYTH
#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 P1 SHEET FOR AS-BUILT RECORD PLAN ARCHIVES.

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

FILE NAME: s12j162r.ss.dgn
PROJECT LEADER: C. CARLSON
DESIGNED BY: D. PETERSON
REINFORCING STEEL SCHEDULE

PLOT DATE: 15-OCT-2015
DRAWN BY: R. PELLET
CHECKED BY: D. PETERSON
SHEET 27 OF 44