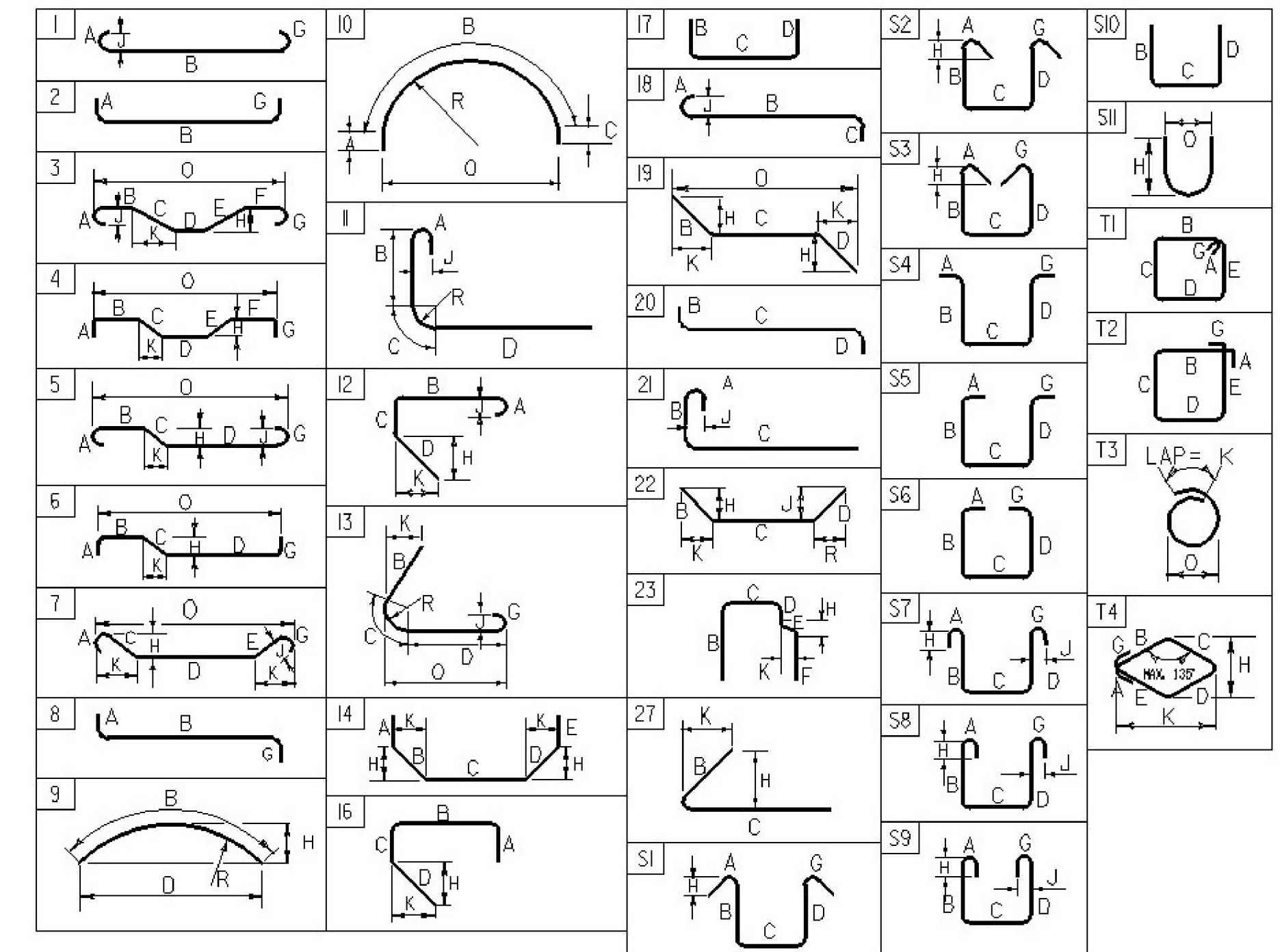


REINFORCING STEEL SCHEDULE

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																																							
322	5	32'-0"	S501.2	STR																																			
65	5	52'-0"	S502.2	STR																																			
66	5	34'-0"	S503.2	STR																																			
* 67	5	30'-0"	S504.2	STR																																			
25	5	37'-3"	S505.2	STR																																			
25	5	39'-5"	S506.2	STR																																			
322	6	32'-0"	S601.2	STR																																			
65	6	52'-0"	S602.2	STR																																			
66	6	37'-0"	S603.2	STR																																			
* 67	6	33'-0"	S604.2	STR																																			
* 10	11	18'-0"	S1101.2	STR																																			
511	5	5'-5"	S507.2	S5		1'-0"	1'-0"	1'-5"	1'-0"									1'-0"																					
PIER COLUMN																																							
* 27	11	9'-0"	P1101.2	STR																																			
26	11	18'-0"	P1102.2	STR																																			
1	6	1022'-8"	P601.2	SPIRAL		5'-4"	3'-5"	16'-4"	56																														
2	6	17'-3"	P602.2	T3												6"	5'-4"																						
ABUTMENT 1																																							
16	6	17'-6"	1A601.2	STR																																			
* 20	8	2'-8"	1A801.2	STR																																			
78	5	8'-8"	1A501.2	17			2'-7"	3'-6"	2'-7"																														
20	5	6'-6"	1A502.2	17			2'-9"	1'-0"	2'-9"																														
10	5	4'-0"	1A503.2	17			3'-0"	1'-0"																															
18	6	1'-11"	1A602.2	17			0'-11"	1'-0"																															
26	6	13'-0"	1A603.2	22			1'-0"	4'-10"	7'-2"					0'-10"	4'-2"	0'-7"	5'-9"																						
41	6	13'-10"	1A604.2	17			3'-9"	10'-1"																															
ABUTMENT 2																																							
16	6	17'-6"	2A601.2	STR																																			
19	8	2'-8"	2A801.2	STR																																			
78	5	8'-8"	2A501.2	17			2'-7"	3'-6"	2'-7"																														
20	5	6'-6"	2A502.2	17			2'-9"	1'-0"	2'-9"																														
10	5	4'-0"	2A503.2	17			3'-0"	1'-0"																															
18	6	1'-11"	2A602.2	17			0'-11"	1'-0"																															
26	6	13'-0"	2A603.2	22			1'-0"	4'-10"	7'-2"					0'-10"	4'-2"	0'-7"	5'-9"																						
41	6	13'-10"	2A604.2	17			3'-9"	10'-1"																															

~ 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 DESIGNATION	WEIGHT POUNDS PER FOOT	NOMINAL DIMENSIONS ROUND SECTION		PERIMETER INCHES
		DIAMETER INCHES	AREA INCHES ²	
#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

~ 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.

PROJECT NAME:	NEW HAVEN	PLOT DATE:	23-JUNE-2015
PROJECT NUMBER:	BRF 0183 (1)	DRAWN BY:	W. GERHOLD
FILE NAME:	52545TSK01_engreinf.xls	CHECKED BY:	S. BROWN
PROJECT MANAGER:	G.K. DONINGTON	DESIGNED BY:	K. JAMES
REINFORCING STEEL SCHEDULE		SHEET 43 OF 67	