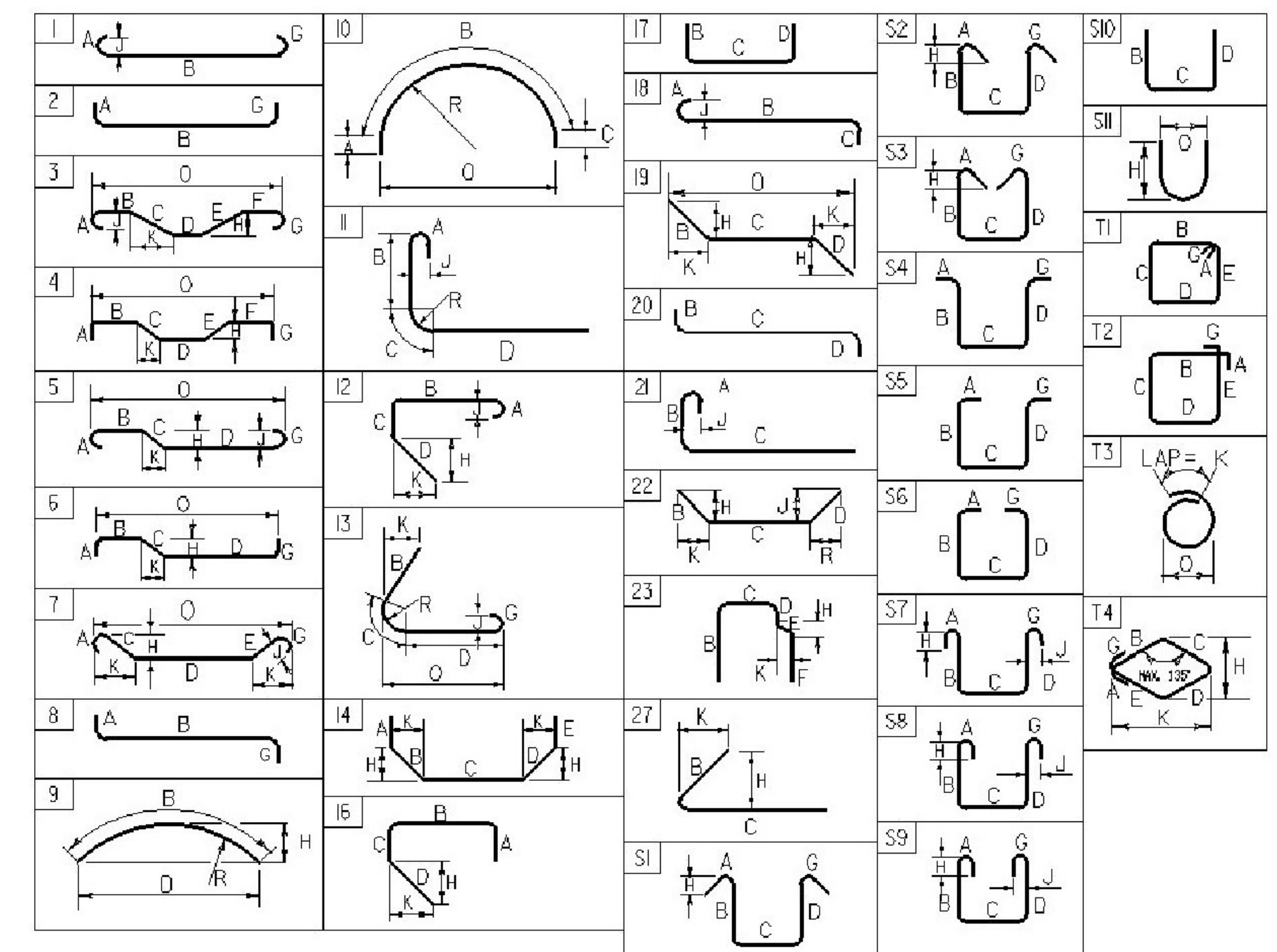


# REINFORCING STEEL SCHEDULE

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					
<b>SLAB</b>																																								
*	15	5	40'-1"	ES501	2	0'-10"	38'-5"					0'-10"																												
	80	5	10'-4"	ES502	S6	0'-10"	1'-4"	6'-0"	1'-4"			0'-10"																												
	20	5	6'-10"	ES503	2	0'-10"	6'-0"																																	
	2	5	23'-4"	ES504	STR	23'-4"																																		
	40	6	23'-4"	ES601	STR	23'-4"																																		
*	37	6	6'-0"	ES602	STR	6'-0"																																		
*	49	10	41'-8"	ES1001	1	1'-10"	38'-5"					1'-5"		1'-1"																										
<b>ABUTMENT #1</b>																																								
*	7	5	34'-1"	1EA501	STR	34'-1"																																		
	15	5	34'-1"	1A501	STR	34'-1"																																		
*	▲	106	7	11'-4"	1A701	2	2'-7"	8'-9"																																
<b>WING WALL #1</b>																																								
	12	5	8'-9"	1W501	STR	8'-9"																																		
	12	5	5'-11"	1W502	S10		2'-2"	1'-7"	2'-2"																															
	10	5	9'-11"	1W503	27		7'-9"	2'-2"				7'-6"		2'-0"																										
	10	5	12'-10"	1W504	27		8'-1"	4'-9"				7'-10"		2'-1"																										
	10	5	6'-11"	1W505	27		2'-2"	4'-9"				2'-1"		0'-7"																										
<b>WING WALL #2</b>																																								
	12	5	8'-6"	2W501	STR	8'-6"																																		
	12	5	5'-11"	2W502	S10		2'-2"	1'-7"	2'-2"																															
	10	5	9'-10"	2W503	22		7'-8"	2'-2"				7'-5"		2'-0"																										
	10	5	11'-8"	2W504	22		7'-1"	4'-7"				6'-10"		1'-10"																										
	10	5	6'-9"	2W505	22		2'-2"	4'-7"				2'-1"		0'-7"																										
<b>ABUTMENT #2</b>																																								
*	7	5	32'-9"	2EA501	STR	32'-9"																																		
*	17	5	32'-9"	2A501	STR	32'-9"																																		
*	▲	102	7	12'-1"	2A701	2	2'-7"	9'-6"																																
<b>WING WALL #3</b>																																								
	12	5	9'-6"	3W501	STR	9'-6"																																		
	12	5	5'-11"	3W502	S10		2'-2"	1'-7"	2'-2"																															
	11	5	9'-8"	3W503	22		7'-6"	2'-2"				7'-4"		1'-3"																										
	11	5	11'-4"	3W504	22		7'-2"	4'-2"				7'-0"		1'-3"																										
	11	5	6'-4"	3W505	22		2'-2"	4'-2"				2'-1"		0'-5"																										
<b>WING WALL #4</b>																																								
	12	5	9'-6"	4W501	STR	9'-6"																																		
	12	5	5'-11"	4W502	S10		2'-2"	1'-7"	2'-2"																															
	11	5	9'-8"	4W503	27		7'-6"	2'-2"				7'-5"		0'-8"																										
	11	5	11'-11"	4W504	27		7'-8"	4'-3"				7'-7"		0'-8"																										
	11	5	6'-5"	4W505	27		2'-2"	4'-3"				2'-1"		0'-2"																										

~ 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 M31 (ASTM A 615-S1). 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		
		DIAMETER INCHES	AREA INCHES <sup>2</sup>	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: **MENDON**  
 PROJECT NUMBER: **BRO 1443 (43)**  
 FILE NAME: s01j272rss.dgn  
 PROJECT MANAGER: **K. HIGGINS**  
 DESIGNED BY: **G. LAROCHE**  
 REINFORCING STEEL SCHEDULE SHEET  
 PLOT DATE: 8/30/2010  
 DRAWN BY: **J. GRIFFIN**  
 CHECKED BY: **J. SALVATORI**  
 SHEET 19 OF 33