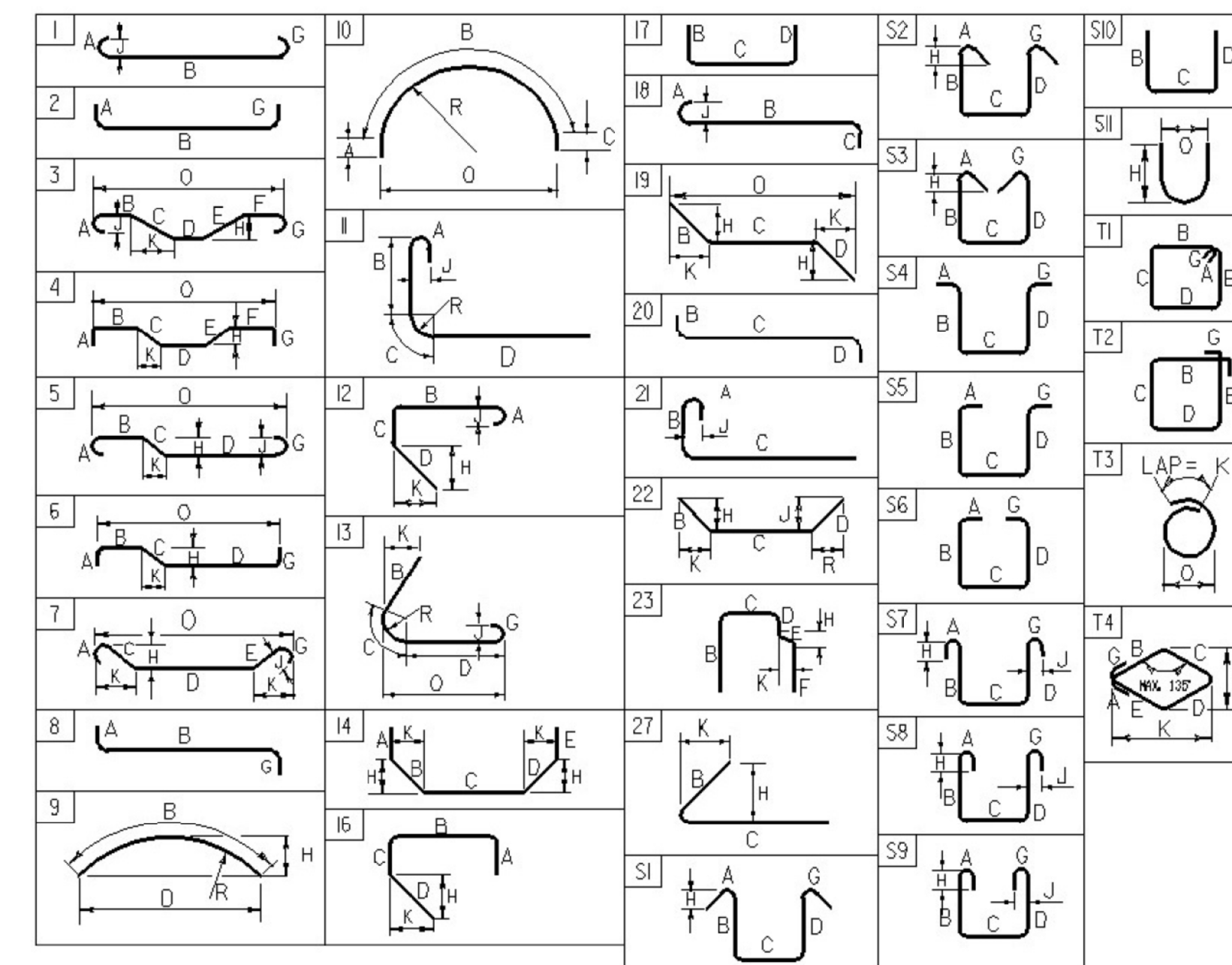


REINFORCING STEEL SCHEDULE

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
WEST HEADWALL																																			
	24	4	4'-0"	1W401	17		1'-4"	1'-8"	1'-4"																										
*	8	4	11'-2"	1W402	STR																														
	12	4	2'-8"	1W403	17		0'-8"	2'-0"																											
EAST HEADWALL																																			
	24	4	3'-10"	2W401	17		1'-4"	1'-6"	1'-4"																										
	7	4	11'-2"	2W402	STR																														
	12	4	2'-8"	2W403	17		0'-8"	2'-0"																											
WINGWALL NO. 1 (WW1)																																			
▲	36	7	7'-6"	1W701	STR																														
▲	18	7	17'-6"	1W702	STR																														
	12	7	7'-0"	1W703	17		5'-6"	1'-6"																											
▲	13	7	11'-8"	1W704	22						0'-9"	0'-5"																							
▲	13	7	13'-0"	1W705	22						1'-4"	0'-9"																							
▲	12	7	12'-0"	1W706	STR																														
	12	8	8'-11"	1W801	17		7'-5"	1'-6"																											
* ▲	13	8	12'-0"	1W802	STR																														
WINGWALL NO. 2 (WW2)																																			
* ▲	31	7	7'-6"	2W701	STR																														
▲	18	7	14'-6"	2W702	STR																														
	9	7	7'-0"	2W703	17		5'-6"	1'-6"																											
▲	13	7	8'-8"	2W704	22						0'-9"	0'-5"																							
▲	13	7	10'-0"	2W705	22						1'-4"	0'-9"																							
▲	9	7	12'-0"	2W706	STR																														
	9	8	8'-11"	2W801	17		7'-5"	1'-6"																											
▲	9	8	12'-0"	2W802	STR																														
WINGWALL NO. 3 (WW3)																																			
▲	31	7	7'-6"	3W701	STR																														
▲	18	7	14'-6"	3W702	STR																														
	9	7	7'-0"	3W703	17		5'-6"	1'-6"																											
▲	13	7	8'-8"	3W704	22						0'-9"	0'-5"																							
▲	13	7	10'-0"	3W705	22						1'-4"	0'-9"																							
▲	9	7	11'-9"	3W706	STR																														
	9	8	8'-11"	3W801	17		7'-5"	1'-6"																											
▲	9	8	11'-9"	3W802	STR																														
WINGWALL NO. 4 (WW4)																																			
▲	31	7	7'-6"	4W701	STR																														
▲	18	7	14'-6"	4W702	STR																														
	9	7	7'-0"	4W703	17		5'-6"	1'-6"																											
▲	13	7	8'-8"	4W704	22						0'-9"	0'-5"																							
▲	13	7	10'-0"	4W705	22						1'-4"	0'-9"																							
▲	9	7	11'-9"	4W706	STR																														
	9	8	8'-11"	4W801	17		7'-5"	1'-6"																											
▲	9	8	11'-9"	4W802	STR																														

~ 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-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.
- ALL BARS EPOXY COATED REINFORCING STEEL.
- DENOTES BARS TO BE BENT IN FIELD.



ASTM STANDARD
REINFORCING BARS

BAR SIZE DESIGNATION	WEIGHT POUNDS PER FOOT	NOMINAL DIAMETER INCHES	AREA INCHES ²	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

SEE CHANGE ORDER #1

SEE ATTACHED SHOP DRAWINGS
FOR REINFORCEMENT

PROJECT NAME: JAMAICA
PROJECT NUMBER: ER STP 013-2(12)

FILE NAME: z12b474det2.dgn
PROJECT LEADER: E. ATKINS
DESIGNED BY: B. KHALIFA
REINFORCING STEEL SCHEDULE

PLOT DATE: 02/27/2015
DRAWN BY: S. SOLLA
CHECKED BY: B. KHALIFA
SHEET 36 OF 48