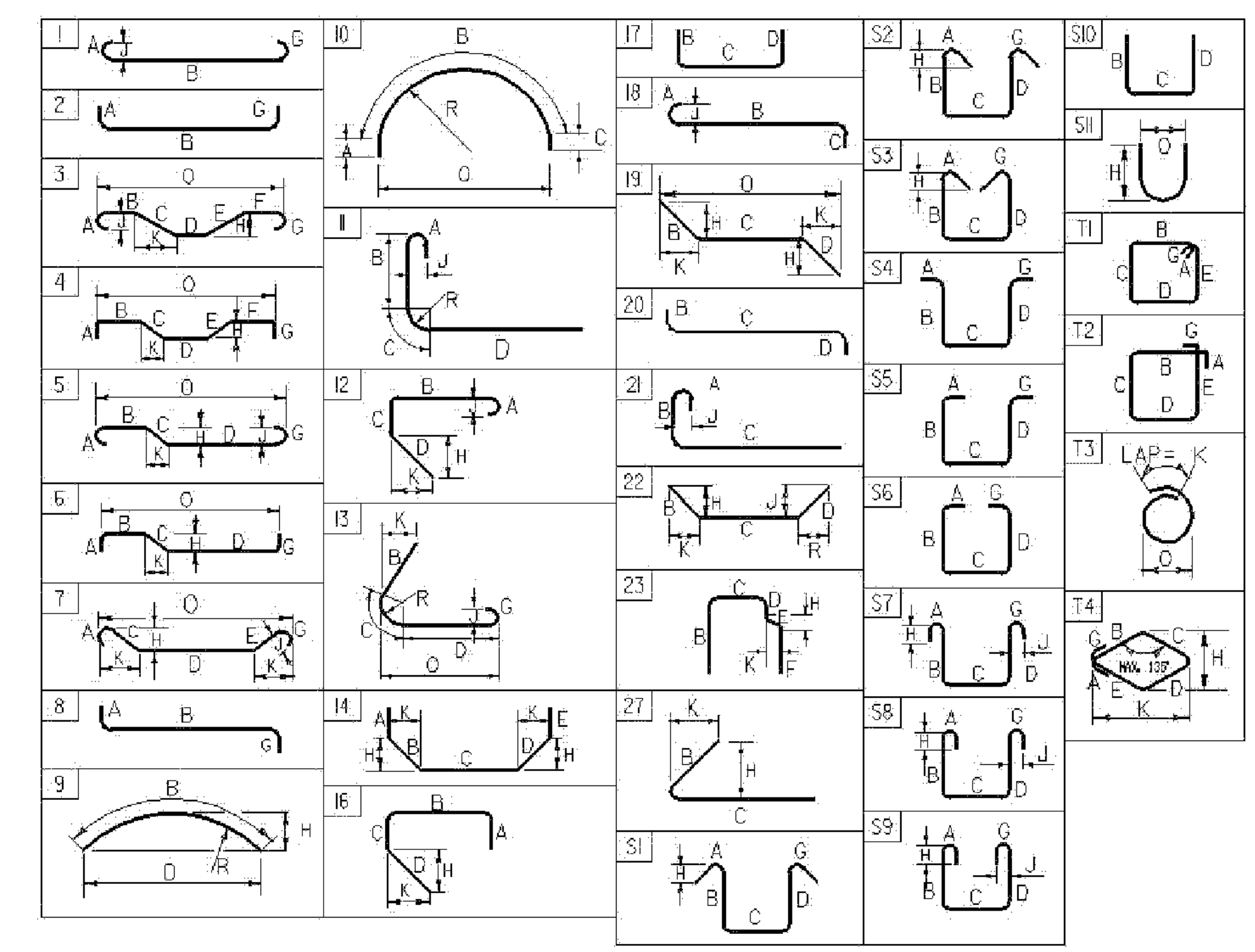


REINFORCING STEEL SCHEDULE

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 & CURB																																								
	246	5	41'- 1"	ES501	STR	41'- 1"																																		
*	400	5	34'- 7"	ES502	STR	34'- 7"																																		
	240	5	5'- 1"	ES503	S5	10"	1'- 0"	1'- 5"	1'- 0"			10"																												
	34	5	8'- 3"	ES504	S5	2'- 2"	8"	2'- 7"	8"			2'- 2"																												
ABUTMENT # 1																																								
▲	20	5	43'- 4"	1A501	STR	43'- 4"																																		
	96	5	4'- 6"	1A502	STR	4'- 6"																																		
*	42	5	15'- 8"	1A503	STR	15'- 8"																																		
	55	5	9'- 10"	1A504	STR	9'- 10"																																		
	40	5	28'- 4"	1A505	STR	28'- 4"																																		
	21	5	13'- 11"	1A505A	STR	13'- 11"																																		
	14	5	7'- 11"	1A506	STR	7'- 11"																																		
	54	5	15'- 0"	1A802	STR	15'- 0"																																		
	49	9	14'- 3"	1A901	STR	14'- 3"																																		
	36	5	10'- 2"	1A507	16	2'- 2"	3'- 5"	1'- 1"	3'- 6"				2'- 6"																											
	14	5	5'- 10"	1A508	S10		2'- 2"	1'- 6"	2'- 2"																															
	17	5	12'- 8"	1A509	22		2'- 2"	8'- 4"	2'- 2"				1'- 3"	1'- 3"	1'- 9"	1'- 9"																								
	17	5	4'- 10"	1A510	22		2'- 5"	2'- 5"	---				2'- 3"	---	10"	---																								
	7	5	5'- 0"	1A511	22		2'- 5"	2'- 7"	---				2'- 3"	---	10"	---																								
	7	5	3'- 2"	1A512	22		2'- 2"	1'- 0"	---				2'- 0"	---	9"	---																								
	17	5	10'- 5"	1A513	22		2'- 2"	6'- 1"	2'- 2"				1'- 9"	1'- 9"	1'- 3"	1'- 3"																								
	17	5	5'- 2"	1A514	22		2'- 2"	10"	2'- 2"				1'- 9"	1'- 9"	1'- 3"	1'- 3"																								
	7	5	4'- 9"	1A515	27		2'- 2"	2'- 7"	---				2'- 0"	---	9"	---																								
	7	5	6'- 3"	1A516	27		2'- 2"	4'- 1"	---				2'- 0"	---	9"	---																								
	54	8	9'- 10"	1A801	17		4'- 3"	5'- 7"	---																															
*	37	5	4'- 8"	1EA501	STR	4'- 8"																																		
	36	5	6'- 10"	1EA502	22		3'- 0"	3'- 10"	---				2'- 1"																											
	36	5	8'- 7"	1EA503	17		3'- 6"	1'- 7"	3'- 6"				2'- 1"																											
WINGWALL #1																																								
▲	15	5	26'- 10"	1W501	STR	26'- 10"																																		
	61	5	4'- 2"	1W502	STR	4'- 2"																																		
	26	5	21'- 6"	1W503	STR	21'- 6"																																		
	35	5	10'- 10"	1W504	STR	10'- 10"																																		
	35	8	21'- 3"	1W802	STR	21'- 3"																																		
	35	9	14'- 3"	1W901	STR	14'- 3"																																		
	26	5	5'- 10"	1W505	17		2'- 2"	1'- 6"	2'- 2"																															
*	36	8	10'- 10"	1W801	17		4'- 3"	6'- 7"	---																															
WINGWALL #2																																								
	12	5	14'- 0"	2W501	STR	14'- 0"																																		
	34	5	4'- 2"	2W502	STR	4'- 2"																																		
	15	5	21'- 6"	2W503	STR	21'- 6"																																		
	17	5	10'- 10"	2W504	STR	10'- 10"																																		
	18	8	21'- 6"	2W802	STR	21'- 6"																																		
*	15	9	14'- 3"	2W901	STR	14'- 3"																																		
	14	5	5'- 10"	2W505	17		2'- 2"	1'- 6"	2'- 2"																															
	18	8	10'- 10"	2W801	17		4'- 3"	6'- 7"	---																															
APPROACH SLAB #1																																								
*	37	5	30'- 4"	1EAS501	STR	30'- 4"																																		
*	37	5	21'- 0"	1EAS901	1	1'- 6"	19'- 6"								11"																									

- ~ 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 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

PROJECT NAME: **BETHEL**
 PROJECT NUMBER: **BHF 0241 (30)**
 FILE NAME: s95c002forms.dgn
 PROJECT MANAGER: **M. EVANS-MONGEON**
 DESIGNED BY: **U. STANLEY**
 REINFORCING STEEL SCHEDULE SHEET #1

PLOT DATE: 8/30/2011
 DRAWN BY: **M. LONGSTREET**
 CHECKED BY: **U. STANLEY**
 SHEET 54 OF 64