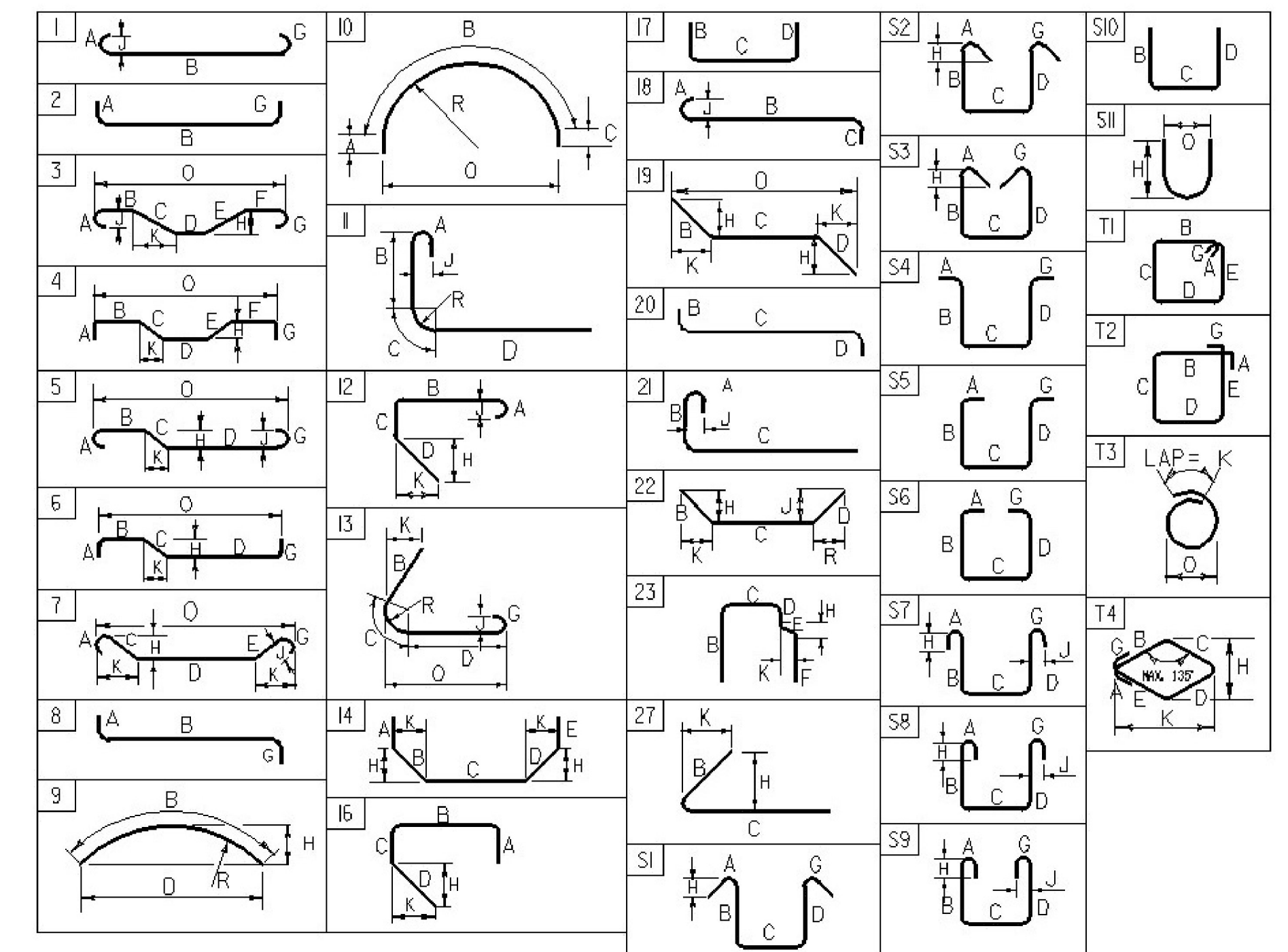


# REINFORCING STEEL SCHEDULE

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>SOUTH COLLAR</b>																																							
	2	4	28'- 2"	ESC401	9		28'- 2"						3'- 2"			31'- 2"	27'- 3"																						
	4	4	19'- 1"	ESC402	9		19'- 1"						2'- 3"			20'- 0"	18'- 4"																						
	4	4	12'- 7"	ESC403	9		12'- 7"						0'- 7"			33'- 5"	12'- 6"																						
*	3	4	24'- 10"	ESC404	9		24'- 10"						2'- 5"			31'- 10"	24'- 2"																						
	4	4	23'- 7"	ESC405	9		23'- 7"						3'- 3"			20'- 8"	22'- 4"																						
	4	4	10'- 10"	ESC406	9		10'- 10"						0'- 5"			34'- 1"	10'- 9"																						
* ▲	175	4	1'- 9"	ESC407	17		0'- 8"	1'- 1"	0'- 0"																														
<b>NORTH COLLAR</b>																																							
▲	23	4	9'- 8"	ENC401	17		3'- 10"	2'- 0"	3'- 10"																														
*	8	4	21'- 3"	ENC402	STR	21'- 3"																																	
	2	4	3'- 2"	ENC403	STR	3'- 2"																																	
	2	4	2'- 1"	ENC404	STR	2'- 1"																																	
	2	4	21'- 8"	ENC405	9		21'- 8"					1'- 10"				31'- 2"	21'- 3"																						
	2	4	19'- 6"	ENC406	9		19'- 6"					2'- 4"				20'- 0"	18'- 9"																						
	2	4	20'- 6"	ENC407	9		20'- 6"					2'- 7"				20'- 0"	19'- 7"																						
	4	4	12'- 7"	ENC408	9		12'- 7"					0'- 7"				33'- 5"	12'- 6"																						
	2	4	22'- 4"	ENC409	9		22'- 4"					2'- 11"				20'- 8"	21'- 3"																						
	2	4	23'- 4"	ENC410	9		23'- 4"					3'- 3"				20'- 8"	22'- 1"																						
	4	4	10'- 10"	ENC411	9		10'- 10"					0'- 5"				34'- 1"	10'- 9"																						
* ▲	135	4	1'- 8"	ENC412	17		0'- 8"	1'- 0"	0'- 0"																														

~ 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-SI). 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: ST. JOHNSBURY  
PROJECT NUMBER: BF 7000(20)

FILE NAME: 86e048/cos/z86e048schedule.dg PLOT DATE: 10/26/2016  
PROJECT LEADER: J. BYATT DRAWN BY: M. SMITH  
DESIGNED BY: A. GIRALDI CHECKED BY: S. BEAUMONT  
REINFORCING STEEL SCHEDULE SHEET 52 OF 70