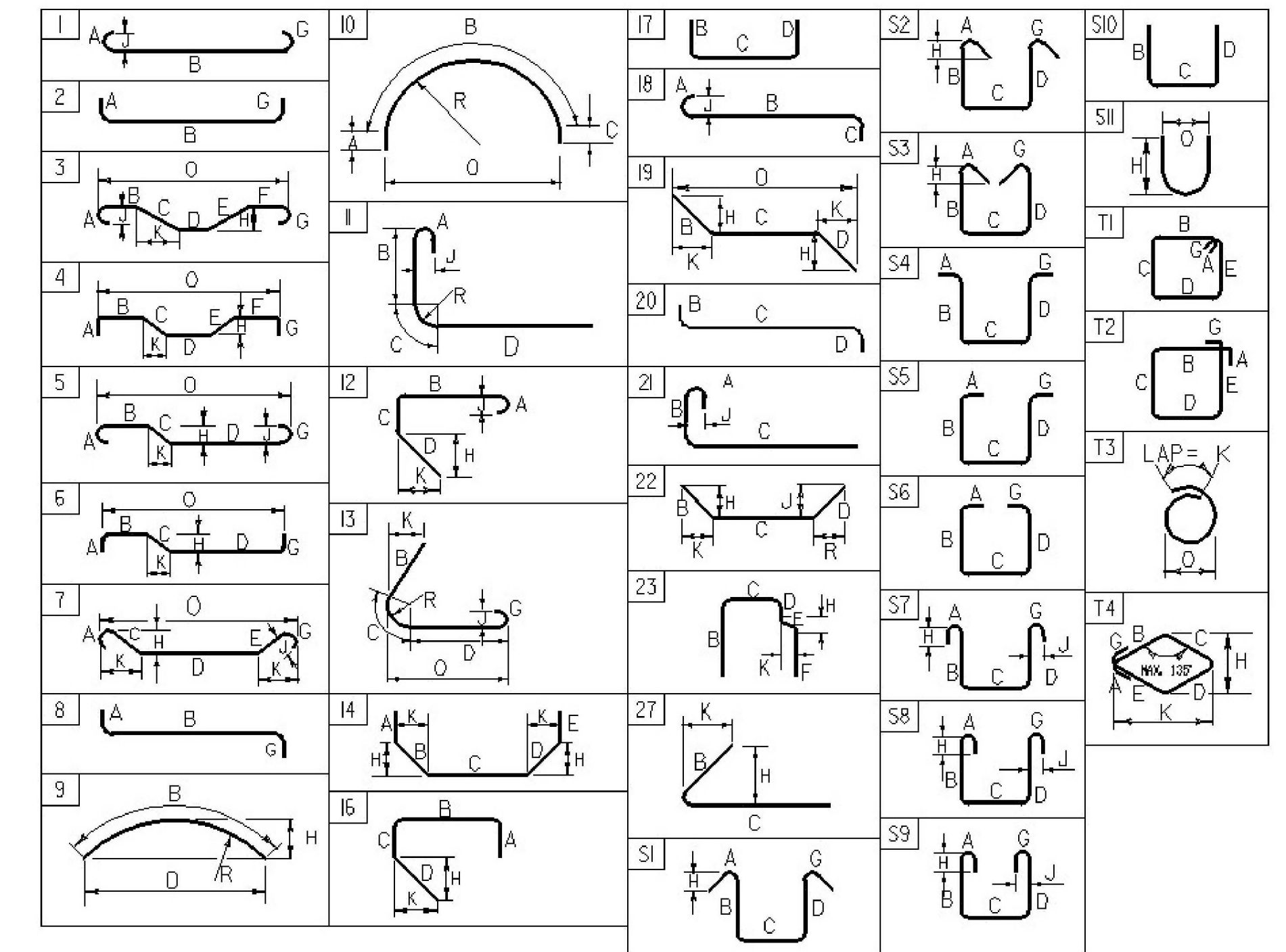


# REINFORCING STEEL SCHEDULE

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>ARCH WALL #1 (WEST)</b>																																					
10	5		31'- 4"	1A501	STR																																
30	5		36'- 2"	1A502	STR																																
134	5		5'- 2"	1A503	17				1'- 9"																												
<b>ARCH WALL #2 (EAST)</b>																																					
10	5		31'- 4"	2A501	STR																																
30	5		36'- 2"	2A502	STR																																
134	5		5'- 2"	2A503	17				1'- 9"																												
<b>WINGWALL #1</b>																																					
10	5		10'- 4"	1W501	STR																																
12	5		5'- 2"	1W502	17				1'- 9"																												
10	5		4'- 10"	1W503	22				2'- 5"																												
<b>WINGWALL #3</b>																																					
10	5		18'- 4"	3W501	STR																																
19	5		5'- 2"	3W502	17				1'- 9"																												
10	5		4'- 10"	3W503	22				2'- 5"																												
<b>MAT FOUNDATION</b>																																					
74	6		7'- 6"	S601	STR																																
134	5		29'- 6"	S502	STR																																
65	8		29'- 6"	S803	STR																																
140	6		29'- 6"	S604	STR																																
18	5		13'- 5"	S505	STR																																
18	5		21'- 5"	S506	STR																																
31	5		30'- 5"	S507	STR																																
93	5		36'- 2"	S508	STR																																
31	7		30'- 9"	S709	STR																																
62	7		27'- 3"	S710	STR																																
62	8		29'- 1"	S811	STR																																
598	5		7'- 1"	S512	17				6'- 1"																												
4	5		4'- 10"	S513	22				2'- 5"																												
240	5		10'- 10"	S514	S5				1'- 0"																												
144	5		13'- 3"	S515	STR				4'- 1"																												
38	5		7'- 6"	S516	STR				7'- 6"																												

~ 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: LUNENBURG  
PROJECT NUMBER: NH CULV(27)  
FILE NAME: I0c412/cos/21lb294schedule.dgn PLOT DATE: 8/6/2015  
PROJECT LEADER: J. BYATT DRAWN BY: M. SMITH  
DESIGNED BY: S. BEAUMONT CHECKED BY: N. CARON  
REINFORCING STEEL SCHEDULE SHEET 49 OF 74