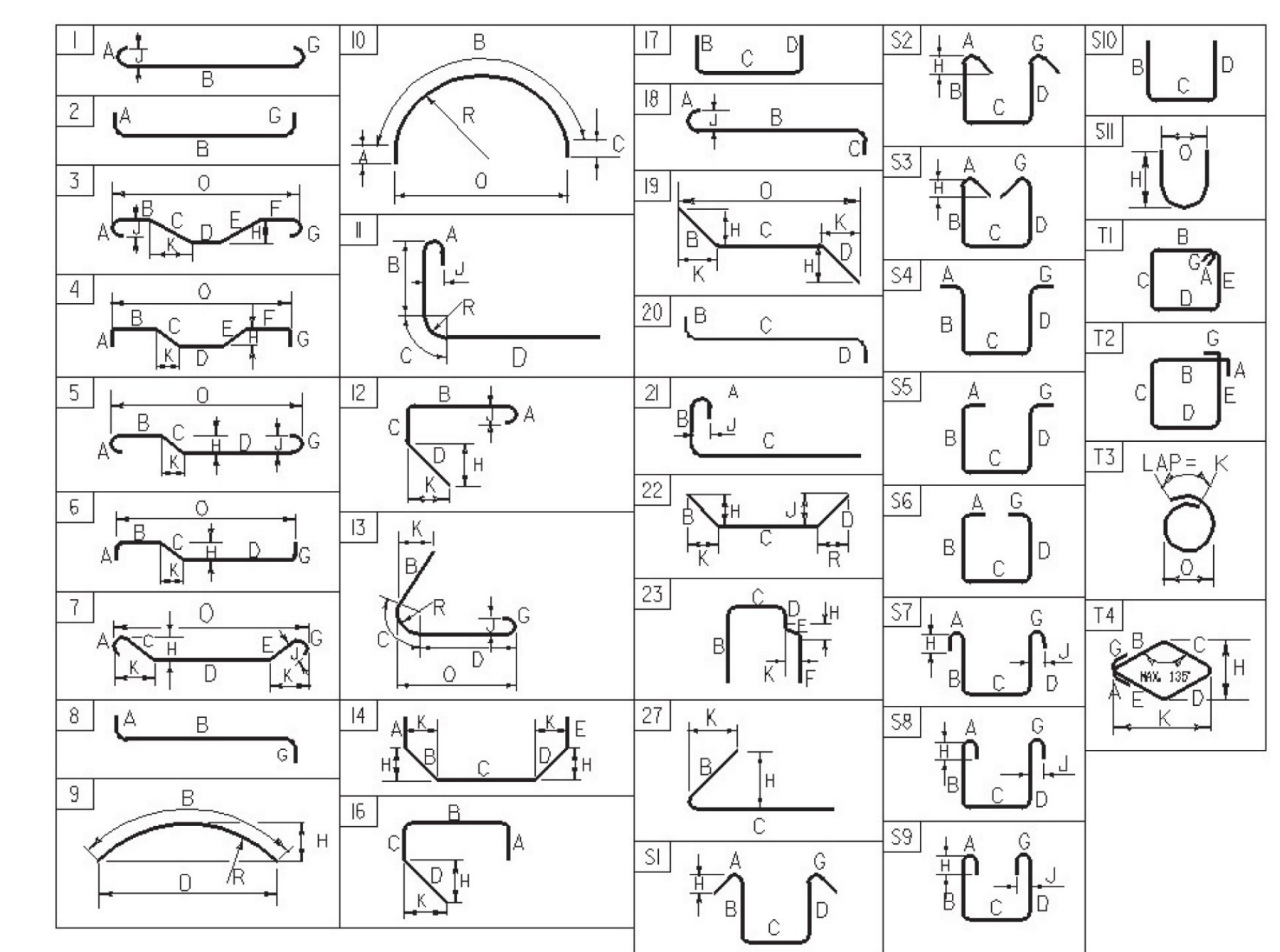


REINFORCING STEEL SCHEDULE

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 SLAB																																								
WINGWALL NO. 1																																								
26	5	7'-4"	1W501.3	17			2'-2"	3'-0"	2'-2"									24	7	28'-0"	S701.3	STR																		
2	5	7'-7"	1W502.3	17			2'-2"	3'-3"	2'-2"									344	5	28'-0"	S501.3	STR																		
2	5	7'-11"	1W503.3	17			2'-2"	3'-7"	2'-2"									266	5	30'-0"	S502.3	STR																		
6	5	6'-8"	1W504.3	22			1'-6"	3'-7"	1'-6"				1'-3"	1'-3"	0'-10"	0'-10"		214	5	16'-10"	S503.3	STR																		
+	▲	30	5	5'-0"	1W505.3	STR												4	5	15'-11"	S504.3	STR																		
▲	11	5	14'-3"	1W506.3	STR													4	5	13'-4"	S505.3	STR																		
▲	7	5	14'-6"	1W507.3	19		4'-5"	10'-1"	--				1'-0"		4'-4"	14'-4"		4	5	13'-7"	S506.3	STR																		
▲	27	7	5'-0"	1W701.3	STR													4	5	11'-0"	S507.3	STR																		
▲	11	8	12'-0"	1W801.3	STR													4	5	11'-3"	S508.3	STR																		
▲	12	5	2'-6 1/2"	1P501.3	T1	0'-2"	0'-8"	0'-8"	0'-8"	0'-8"	0'-2"							4	5	8'-9"	S509.3	STR																		
▲	4	5																4	5	8'-11"	S510.3	STR																		
▲	4	5																4	5	8'-5"	S511.3	STR																		
▲	4	5																4	5	6'-7"	S512.3	STR																		
▲	4	5																4	5	5'-8"	S513.3	STR																		
▲	4	5																4	5	2'-11"	S514.3	STR																		
▲	4	5																4	5	29'-7"	S515.3	STR																		
▲	4	5																4	5	28'-5"	S516.3	STR																		
▲	4	5																4	5	27'-3 1/4"	S517.3	STR																		
▲	4	5																4	5	26'-1 1/2"	S518.3	STR																		
▲	4	5																4	5	24'-11 1/2"	S519.3	STR																		
+	▲	7	5	14'-3"	2W507.3	19	3'-5"	10'-10"	--				1'-5"		3'-1"	14'-3"		4	5	23'-9 3/4"	S520.3	STR																		
+	▲	30	7	5'-1"	2W701.3	STR												4	5	22'-7 3/4"	S521.3	STR																		
▲	11	8	13'-4"	2W801.3	STR													4	5	21'-6"	S522.3	STR																		
▲	12	5	2'-6 1/2"	2P501.3	T1	0'-2"	0'-8"	0'-8"	0'-8"	0'-8"	0'-2"							4	5	20'-4"	S523.3	STR																		
▲	4	5																4	5	19'-2 1/4"	S524.3	STR																		
▲	4	5																4	5	18'-0 1/4"	S525.3	STR																		
▲	4	5																4	5	16'-10 1/2"	S526.3	STR																		
▲	4	5																4	5	15'-8 1/2"	S527.3	STR																		
▲	4	5																4	5	14'-6 3/4"	S528.3	STR																		
▲	4	5																4	5	13'-5"	S529.3	STR																		
▲	4	5																4	5	12'-3"	S530.3	STR																		
▲	4	5																4	5	11'-1 1/4"	S531.3	STR																		
▲	4	5																4	5	9'-11 1/2"	S532.3	STR																		
+	▲	11	5	11'-0"	3W506.3	STR												4	5	8'-9 1/2"	S533.3	STR																		
▲	7	5	13'-5"	3W507.3	19	3'-6"	9'-11"	--					0'-8"		3'-5"	13'-5"		4	5	7'-7 3/4"	S534.3	STR																		
▲	30	7	5'-1"	3W701.3	STR													4	5	6'-5 3/4"	S535.3	STR																		
▲	11	8	13'-4"	3W801.3	STR													4	5	5'-4"	S536.3	STR																		
▲	12	5	2'-6 1/2"	3P501.3	T1	0'-2"	0'-8"	0'-8"	0'-8"	0'-8"	0'-2"							4	5	4'-2"	S537.3	STR																		
▲	4	5																4	5	3'-0 1/4"	S538.3	STR																		
▲	4	5																4	5	1'-10 1/4"	S539.3	STR																		
▲	8	5																4	5	23'-8"	S540.3	STR																		
▲	218	5	8'-5 3/4"	S541.3	S5	0'-9"	1'-1"	5'-6"	0'-7"	0'-10"								436	5	6'-7 1/2"	S542.3	17																		
ABUTMENT CAP																																								
80	5	7'-8 1/4"	A501.3	19														80	5	7'-8 1/4"	A501.3	19																		
80	5	11'-6 1/2"	A502.3	T1														32	5	26'-11 1/4"	A503.3	STR	0'-2"	3'-1"	2'-8 1/4"	3'-1"	2'-8 1/4"	0'-2"		1'-8"	1'-8"	7'-8 1/4"								
12	5	33'-3 1/2"	A504.3	STR														12	5	33'-3 1/2"	A504.3	STR																		
12	5	15'-7 3/4"	A505.3	STR														4	5	2'-4 1/4"	A506.3	STR	0'-2"	1'-10 5"	1'-10 5"	1'-10 5"	1'-10 5"	0'-2"												
4	5	7'-6"	A507.3	T1														4	5	7'-6"	A507.3	T1	0'-2"	1'-10 5"	1'-10 5"	1'-10 5"	1'-10 5"	0'-2"												
2	5	4'-5"	A508.3	19														2	5	4'-5"	A508.3	19	2'-4 1/4"	1'-11 25"																
48	8	2'-0"	A801.3	STR														106	6	6'-4 1/4"	A601.3	17																		
2	6	5'-2"	A602.3	17														2	6	5'-2"	A602.3	17																		

~ 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-S). 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: **LUDLOW**
 PROJECT NUMBER: **BRF 025-1(42)**
 FILE NAME: z10j068rss.dgn PLOT DATE: 5/11/2016
 PROJECT MANAGER: A.P. GUYETTE DRAWN BY: E.F. LAWES
 DESIGNED BY: E.F. LAWES CHECKED BY: R.H. BARNES
 REINFORCING STEEL SCHEDULE SHEET #1 SHEET OF

CALDERWOOD ENGINEERING, ETC.
 STRUCTURAL ENGINEERING • DETAILING SERVICES
 222 RIVER RD. RICHMOND, ME 04357 PH/FX (207) 731-2007/(207) 731-2008
 PREPARED FOR:
COLD RIVER BRIDGES, LLC
 CEE 16-16-COLD RIVER BRIDGES
 01-CS-LUDLOW

DATE	BY	REVISIONS	P.E. NUMBER	DATE
JAN 2017	TDC	1	8711	