STATE OF VERMONT
AGENCY OF TRANSPORTATION

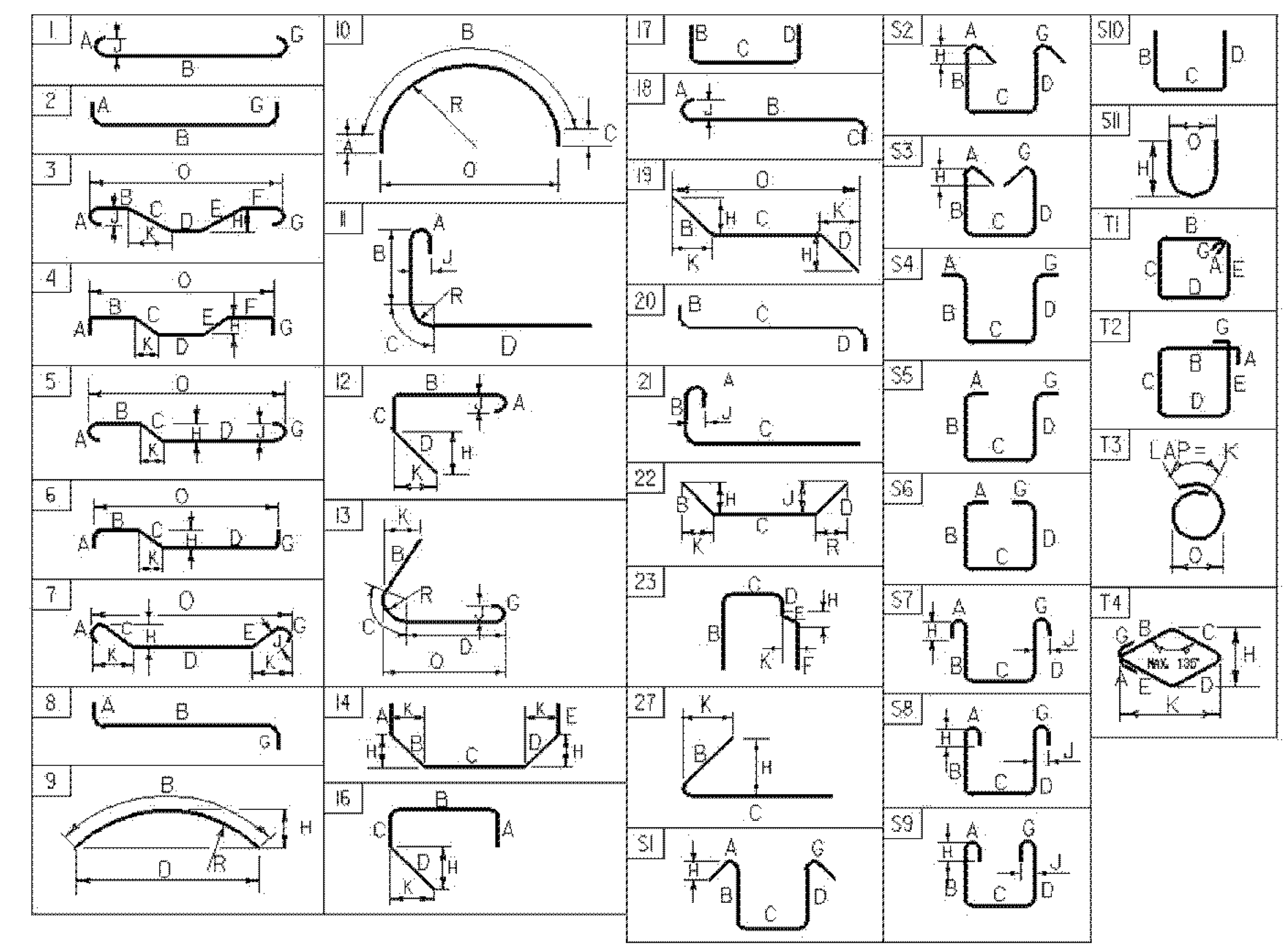
REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
PIER 1																	
✳	61	4	6' - 7"	1P401	STR												
	74	4	4' - 3"	1P402	2	8"		2' - 11"				8"					
△	30	5	3' - 4"	1P501	2	10"		2'- 6"				---					
	14	5	2' - 10"	1P502	2	10"		2' - 0"				---					
	16	6	3' - 6"	1P601	2	1'- 0"		2' - 6"				---					
	16	6	40' - 0"	1P602	STR												
▲	16	6	14' - 7"	1P603	STR												
	3	6	8' - 6"	1P604	STR												
	2	6	47' - 7"	1P606	STR												
	1	6	17' - 0"	1P608	STR												
	6	6	14'- 1"	1P609	22		3' - 0"	7' - 7"	3' - 6"				2' - 7"	1' - 9"	1' - 6"	3'- 0"	
	35	6	4' - 11"	1P610	2	1'- 0"		2' - 11"				1'- 0"					
▲	3	6	8' - 7"	1P611	17		2' - 10"	2' - 11"	2' - 10"								
✳	6	6	6' - 4"	1P615	1	8"	5' - 8"					0"					
	5	6	13' - 3"	1P616	STR												
	28	6	5' - ~~2~~8"	1P617	10	~~1' - 6"~~ 2' - 0"	3' - 8"	0"								1' - 4"	
	9	6	19' - 0"	1P621	2	1' - 0"	17' - 0"					1' - 0"					
	30	6	14' - 4"	1P622	2	1' - 0"	13' - 4"					0"					
✳	31	6	7' - 8"	1P623	2	1' - 0"	6' - 8"					0"					
▲	6	6	14'- 3"	1P624	STR												
	16	8	40' - 0"	1P801	1	11"	39' - 1"					---					
	16	8	18' - 5"	1P802	1	11"	17' - 6"					0"					
✳	4	8	8' - 6"	1P803	STR												
	8	14	22' - 2"	1P1401	2	2' - 7"	17' - 0"					2' - 7"					
	30	14	15'- 1"	1P1402	2	2' - 7"	12'- 6"					0"					
✳	31	14	7'- 1"	1P1403	2	2' - 7"	4'- 6"					0"					
PIER 2																	
✳	37	4	6' - 7"	2P401	STR												
	74	4	4' - 3"	2P402	2	8"		2' - 11"				8"					
△	30	5	3' - 4"	2P501	2	10"		2'- 6"				0"					
	36	5	2' - 10"	2P502	2	10"		2' - 0"				0"					
	32	6	3' - 6"	2P601	2	1'- 0"		2' - 6"				0"					
	14	6	40' - 0"	2P602	STR												
▲	14	6	14' - 7"	2P603	STR												
	2	6	32' - 2"	2P604	STR												
✳	6	6	7' - 9"	2P605	STR												
	2	6	47' - 7"	2P606	STR												
	3	6	18'- 0"	2P607	STR												
	1	6	17' - 0"	2P608	STR												
	6	6	14'- 1"	2P609	22		3' - 0"	7' - 7"	3' - 6"				2' - 7"	1' - 9"	1' - 6"	3'- 0"	
	35	6	4' - 11"	2P610	2	1'- 0"		2' - 11"				1'- 0"					
▲	3	6	8' - 7"	2P611	17		2' - 10"	2' - 11"	2' - 10"								
	19	6	6' - 4"	2P612	S10		1' - 9"	2' - 10"	1' - 9"								
	8	6	6' - 4"	2P615	1	8"	5' - 8"					0"					
	8	6	18' - 0"	2P616	STR												
	38	6	6' - 5"	2P617	10	1' - 6"	4' - 11"									2' - 2"	
	27	6	19' - 0"	2P621	2	1' - 0"	17' - 0"					1' - 0"					
	17	6	15'- 6"	2P622	2	1' - 0"	14'- 6"					0"					
✳	18	6	6'- 8"	2P623	2	1' - 0"	5'- 8"					0"					
▲	6	6	14'- 3"	2P624	STR												
	14	8	40' - 0"	2P801	1	11"	39' - 1"					0"					
	14	8	18' - 5"	2P802	1	11"	17' - 6"					0"					
✳ ▲	6	8	7' - 9"	2P803	STR												
	2	8	33' - 1"	2P804	1	11"	32' - 2"										
	3	8	18' - 0"	2P805	STR												
	20	14	22' - 2"	2P1401	2	2' - 7"	17' - 0"					2' - 7"					
	17	14	15'- 1"	2P1402	2	2' - 7"	12'- 6"					0"					
✳	18	14	7'- 1"	2P1403	2	2' - 7"	4'- 6"					0"					

LENGTH INCREASED TO 5' - 8" (TAIL 6" LONGER)

~ NOTES ~

1. 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.
2. 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".
3. BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
4. ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180 DEGREE AND 135 DEGREE HOOKS.
5. "J" DIMENSION ON 180 DEGREE HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE. OTHERWISE, STANDARD HOOKS ARE TO BE USED.
6. "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
7. WHERE SLOPE DIFFERS FROM 45 DEGREES, DIMENSIONS "H" AND "K" MUST BE SHOWN.
8. ▲ DENOTES BARS TO BE CUT IN FIELD.
9. ✳ DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
10. △ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
11. 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 INCHES²	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

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CLOUGH HARBOUR & ASSOCIATES LLP

PROJECT NAME: **BENNINGTON**
PROJECT NUMBER: **ER BHF 010-1(45)**

FILE NAME: **z11b326_rebar.dgn** PLOT DATE: **8/21/2012**
PROJECT MANAGER: **D.E.G.** DRAWN BY: **M.E.D.**
DESIGNED BY: **K.J.K.** CHECKED BY: **A.M.P.**
REINFORCING STEEL SCHEDULE SHEET **31** OF **40**