ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
1	DECK, CURBS AND TOP OF WINGS																
2	578	16	680	S1601	22		230	450	-				229		24		
3	228	16	755	S1602	20		380	375	-								
4	112	16	1335	S1603	S5	250	330	425	330			-					
5	32	16	1035	S1604	14	350	185	-	-	455			130		130		
6	32	16	1005	S1605	14	475	150	380	-	-			213		213		
7 ✱	21	16	3425	S1606	STR.												
8 ✱	35	16	2375	S1607	STR.												
9 ▲	14	16	9350	S1608	STR.												
10 ▲	14	16	9600	S1609	STR.												
11	5	16	11300	S1610	STR.												
12	5	16	10600	S1611	STR.												
13	10	16	8750	S1612	STR.												
14	10	16	9000	S1613	STR.												
15	60	16	10200	S1614	STR.												
16	4	16	4575	S1615	STR.												
17	4	16	4900	S1616	STR.												

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
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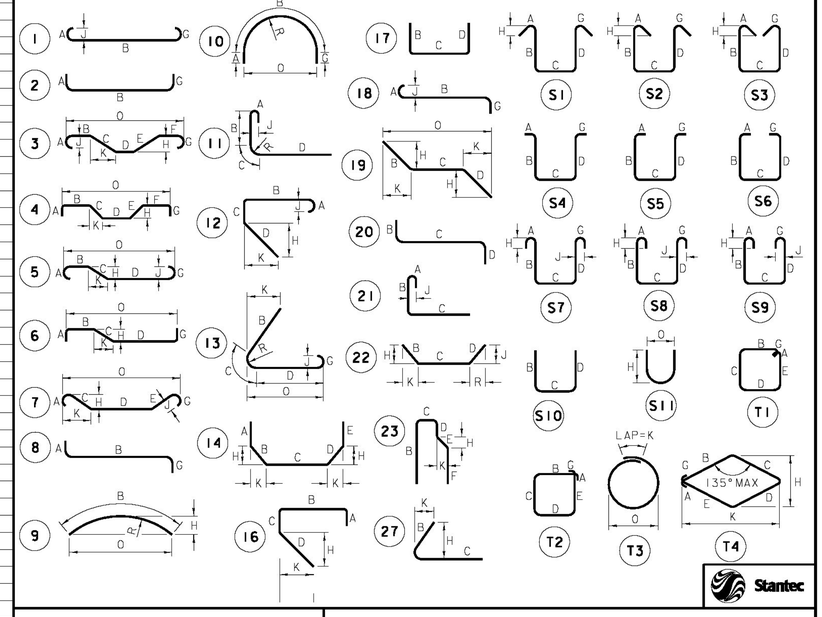
Metric

NOTES

1. UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING 55M SHALL CONFROM TO THE REQUIREMENT OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M 31M (ASTM A 615M-S1). ALL BARS SHALL BE GRADE 420, 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 ARE TO BE SHOWN ONLY WHEN NECESSARY TO RESTRICT HOOK SIZE. OTHERWISE, STANDARD HOOKS ARE TO BE USED.
6. "H" DIMENSION ON STIRRUPS ARE TO BE SHOWN ONLY WHEN NECCESSARY 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 PREFIX DENOTES EPOXY COATED REINFORCING STEEL.



Stantec

ASTM STANDARD REINFORCING BARS

BAR SIZE DESIGNATION	NOMINAL MASS kg/m	NOMINAL DIMENSIONS ROUND SECTION DIAMETER mm	CROSS SECTIONAL AREA mm²	PERIMETER mm
10	0.560	9.5	71	29.84
13	0.994	12.7	129	39.90
16	1.552	15.9	199	49.95
19	2.235	19.1	284	60.00
22	3.042	22.2	387	69.74
25	3.973	25.4	510	79.80
29	5.060	28.7	645	90.16
32	6.404	32.3	819	101.47
36	7.907	35.8	1006	112.47
43	11.380	43.0	1452	135.09
57	20.240	57.3	2581	180.01

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of BENNINGTON	Bridge No. 13N
Highway No.	Log Sta.
	Surv. Sta.
US ROUTE 7 NB OVER VT ROUTE 279 EB	
REINFORCING STEEL SCHEDULE	
Designed By M. CHENETTE	Drawn By T. KNIGHT
Checked By M. CHENETTE Date 11/09	Bridge Design Supervisor G. BOGUE Date 11/09
PROJECT BENNINGTON	PROJECT NO. NH F019-1(54)
I.G.C. Info.	
Bridge Sheet No. BR7I7	Sheet 274 of 468

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