STATE OF VERMONT
AGENCY OF TRANSPORTATION

REINFORCING STEEL SCHEDULE

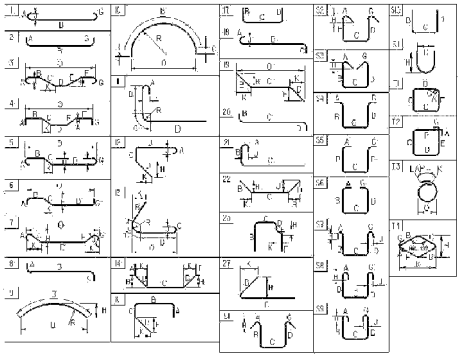
Metric

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
				DECK													
	17	16	10120	ES1301	STR	10120											
	100	19	2435	E21302	50	250	700	415	700			250					
	70	16	2580	ES1303	50	250	830	1200	430			250					
▲	36	16	10700	ES1301	STR	10700											
	71	29	13010	ES2301	1	380	13130						---				
				APPROACH SLAB #1													
	20	16	357C	1EAS1601	STR	357C											
	36	29	621C	1EAS2601	1	380	5830						---				
				APPROACH SLAB #2													
	20	16	360C	2EAS1601	STR	360C											
	36	29	621C	2EAS2601	1	380	5830						---				
				ABUTMENT #1													
▲	20	16	1290C	1A1601	STR	1290C											
▲	72	16	335C	1A1602	STR	335C											
▲	16	16	430C	1A1603	STR	430C											
	56	16	191C	1A1621	S10		56C	99C	660								
	32	19	273C	1A1635	19	890	89C	34C	840				590		590		
	45	19	177C	1A1912	22		90C	97C	---			TTO ~~[illegible]~~		---	~~[illegible]~~		20
	45	19	177C	1A1932	22		90C	97C	---				770		210		
	17	25	127C	1EA2301	22		80C	67C	---				420	---	420	---	
	18	25	90C	1EA2302	STR	900											
				WINGWALL #1													
▲	23	16	408C	1W1601	STR	408C											
	20	16	161C	1W1602	S10		56C	29C	660								
▲	28	19	373C	1W1901	STR	373C											
	2	19	49K	1W1902	22		4100	59K	---				2900	---	2900	---	
				WINGWALL #2													
▲	27	16	380C	2W1601	STR	380C											
	24	16	161C	2W1602	S10		38C	29C	660								
▲	25	19	419C	2W1901	STR	419C											
	2	19	47K	2W1902	22		4100	59C	---				3210	---	3500	---	
				ABUTMENT #2													
▲	27	16	1290C	2A1601	STR	1290C											
▲	72	16	335C	2A1602	STR	335C											
	16	16	429C	2A1603	STR	429C											
	56	16	191C	2A1621	S10		56C	99C	660								
	32	19	273C	2A1635	19	890	89C	34C	840				590		590		
	45	19	177C	2A1912	22		90C	97C	---			TTO ~~[illegible]~~		---	~~[illegible]~~		20
	45	19	177C	2A1932	22		90C	97C	---				770		210		
	17	25	127C	2EA2301	22		80C	67C	---				420	---	420	---	
	18	25	90C	2EA2302	STR	900											
				WINGWALL #3													
▲	23	16	428C	3W1601	STR	428C											
	20	16	161C	3W1602	S10		56C	29C	660								
▲	28	19	349C	3W1901	STR	349C											
	2	19	49K	3W1902	22		4100	59C	---				2900	---	2900	---	
				WINGWALL #4													
▲	23	16	357C	4W1601	STR	357C											
	20	16	161C	4W1602	S10		56C	29C	660								
▲	24	19	370C	4W1901	STR	370C											
	2	19	42K	4W1902	22		3580	59C	---				2300	---	2575	---	

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O

~ NOTES ~

1. UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING #19 SHALL CONFORM TO THE RESPUBLISHED OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M 31M (ASTM A 615M-04). ALL BARS SHALL BE GRADE 420, UNLESS OTHERWISE DESIGNATED.
2. FOR TYPICAL BENDING DETAILS, TO COMMENCED FROM DIAMETER, "STD" 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 HOOKS.
5. "G" DIMENSION OF 180 DEGREE HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO REST HOOK ON SITE. OTHERWISE, STANDARD HOOKS ARE TO BE USED.
6. "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
7. WHEN BENDING OTHER THAN 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 DENOTES EPOXY COATED REINFORCING STEEL



ASTM STANDARD REINFORCING BARS				
		NOMINAL DIMENSIONS [EQUIVALENT VALUES]		
BAR DESIGNATION	NOMINAL MASS (kg/m)	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

REINFORCING STEEL SCHEDULE SHEET

PROJECT NAME: EAST MONTPELIER
PROJECT NUMBER: STP 037-2(9)

FILE NAME: 78F200\S-FT\S F200FSS.XLS
PROJECT LEADER: K. HIGGINS
DESIGNED BY: J. LACROIX
st200frss.l

PLOT DATE: 6-JUL-2009
DRAWN BY: K. PELLETT
CHECKED BY: G. LaROCHE
SHEET 38 OF 67