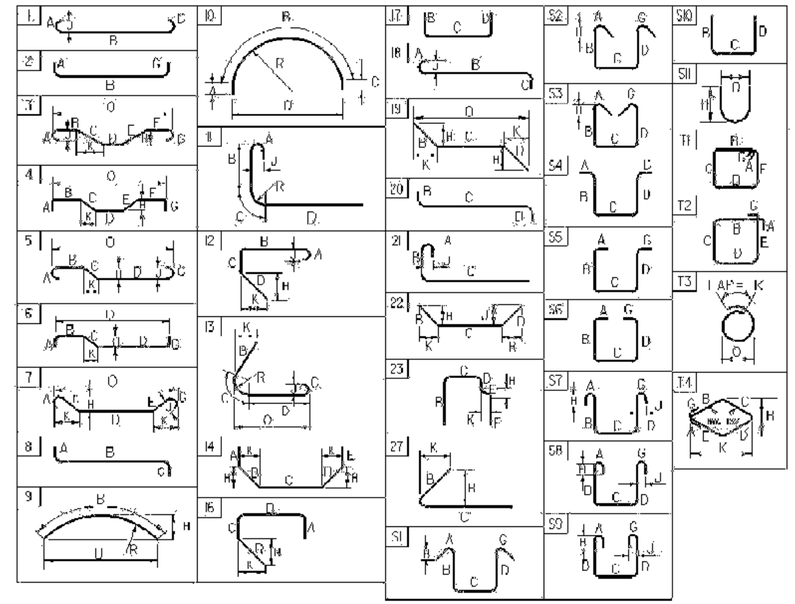
	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	Q
	DECK																
△	16	16	7150	ES1601	STR												
	90	16	2520	ES1602	S6	300	500	920	500	300							
△	47	19	5780	ES1901	STR												
△	41	32	9090	ES3201	STR												
	39	32	5625	ES3202	1	425	5200							335			
	39	25	2700	ES2501	STR												
	ABUTMENT 1																
	16	16	10520	1A1601	STR												
	33	16	1190	1A1602	STR												
	24	16	4330	1A1603	STR												
△	22	16	1850	1A1604	STR												
	60	16	4660	1A1605	STR												
	9	16	5120	1A1606	STR												
	9	16	2660	1A1607	STR												
	17	25	1050	1A2501	STR												
	52	25	2750	1A2502	STR												
△	27	25	3150	1A2503	STR												
	12	25	1100	1EA2504	STR												
	29	16	1850	1A1608	17		690	470	690								
	15	16	3710	1A1609	22		660	2390	660				420		510		
▲	24	16	2540	1A1610	19		1270	1270					1240		260		
	15	16	3280	1A1611	22		660	1960	660				510		420		
▲	24	16	2520	1A1612	27		1260	1260					1230		260		
	50	25	3100	1A2505	17		1070	2030									
	WINGWALL 1																
				1W1601			NOT USED										
	7	16	1190	1W1602	STR												
	10	16	5120	1W1603	STR												
	10	16	2640	1W1604	STR												
	36	16	2750	1W1605	STR												
▲	18	25	3150	1W2501	STR												
	10	16	1790	1W1606	17		660	470	660								
▲	13	25	3650	1W2502	17		1620	2030									
	WINGWALL 2																
				2W1601			NOT USED										
	7	16	1190	2W1602	STR												
	10	16	5140	2W1603	STR												
	10	16	2660	2W1604	STR												
	36	16	2650	2W1605	STR												
	18	25	3150	2W2501	STR												
	10	16	1790	2W1606	17		660	470	660								
▲	13	25	3650	2W2502	17		1620	2030									

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	Q
	ABUTMENT 2																
	16	16	11080	2A1601	STR												
	30	16	1190	2A1602	STR												
	24	16	4510	2A1603	STR												
△	22	16	2030	2A1604	STR												
	68	16	4770	2A1605	STR												
	10	16	5310	2A1606	STR												
	10	16	2870	2A1607	STR												
	19	25	1050	2A2501	STR												
	51	25	2750	2A2502	STR												
△	32	25	3150	2A2503	STR												
	12	25	1100	2EA2504	STR												
	30	16	1850	2A1608	17		690	470	690								
	16	16	3840	2A1609	22		660	2520	660				390		530		
▲	25	16	2460	2A1610	19		1230	1230					1170		380		
	16	16	3180	2A1611	22		660	1860	660				530		390		
▲	25	16	2620	2A1612	27		1310	1310					1250		400		
	51	25	3100	2A2505	17		1070	2030									
	WINGWALL 3																
				3W1601			NOT USED										
	7	16	1190	3W1602	STR												
	9	16	5310	3W1603	STR												
	9	16	2820	3W1604	STR												
	34	16	2690	3W1605	STR												
	14	25	3150	3W2501	STR												
	9	16	1790	3W1606	17		660	470	660								
▲	15	25	3630	3W2502	17		1600	2030									
	WINGWALL 4																
				4W1601			NOT USED										
	8	16	1190	4W1602	STR												
	9	16	5330	4W1603	STR												
	9	16	2950	4W1604	STR												
	34	16	2510	4W1605	STR												
	13	25	3150	4W2501	STR												
	9	16	1790	4W1606	17		660	470	660								
▲	15	25	3630	4W2502	17		1600	2030									

~ NOTES ~

1. UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING 55M SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M 31M (ASTM A 615M-SI). 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 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 PREFIX DENOTES EPOXY COATED REINFORCING STEEL.



ASTM STANDARD REINFORCING BARS				
BAR SIZE	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

PROJECT NAME: CABOT
PROJECT NUMBER: BRO 1446(27)

FILE NAME: [redacted] PLOT DATE: [redacted]
PROJECT MANAGER: C. WILLIAMS DRAWN BY: L. ASHWORTH
DESIGNED BY: [redacted] CHECKED BY: [redacted]
REINFORCING STEEL SCHEDULE SHEET 25 OF 42