DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Caltrans Metric

REGISTERED CIVIL ENGINEER

July 1, 1999
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James C. Moore No. C16576 Exp. 6-30-01 CIVIL STATE OF CALIFORNIA

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1999 STD. PLAN C8B

STRINGER MEMBERS REQUIRED PER CELL

WALL HEIGHT	SHORT STRINGERS IN FRONT OF WALL									SHORT STRINGERS IN REAR OF WALL								
	1.63		2.01		2.77		3.51		Sh't	1.63		2.01		2.77		3.51		St'd
	St'd	Short	St'd	Short	St'd	Short	St'd	Short	St'r	St'd	Short	St'd	Short	St'd	Short	St'd	Short	St'r
Millimeters	2896	2743	2896	2743	2896	2743	2896	2743	St'f	2896	2743	2896	2743	2896	2743	2896	2743	St'f
1218	1	3							1	3	1							1
1624	2	4							1	4	2							1
2030	3	5							1	5	3							1
2436	4	6							1	6	4							1
2842	5	7							1	7	5							1
3248	6	8							1	8	6							1
3654	6	8							1	8	6							1
4060	6	8	2	2					1	8	6	2	2					1
4466	6	8	3	3					1	8	6	3	3					1
4872	6	8	4	4					1	8	6	4	4					1
5278	6	8	4	4	1	1			1	8	6	4	4	1	1			1
5684	6	8	4	4	2	2			1	8	6	4	4	2	2			1
6090	6	8	4	4	3	3			1	8	6	4	4	3	3			1
6496	6	8	4	4	4	4			1	8	6	4	4	4	4			1
6902	6	8	4	4	5	5			1	8	6	4	4	5	5			1
7308	6	8	4	4	6	6			1	8	6	4	4	6	6			1
7714	6	8	4	4	7	7			1	8	6	4	4	7	7			1
8120	6	8	4	4	7	7	1	1	1	8	6	4	4	7	7	1	1	1
8526	6	8	4	4	7	7	2	2	1	8	6	4	4	7	7	2	2	1
8932	6	8	4	4	7	7	3	3	1	8	6	4	4	7	7	3	3	1
9338	6	8	4	4	7	7	4	4	1	8	6	4	4	7	7	4	4	1
9744	6	8	4	4	7	7	5	5	1	8	6	4	4	7	7	5	5	1
10150	6	8	4	4	7	7	6	6	1	8	6	4	4	7	7	6	6	1
10556	6	8	4	4	7	7	7	7	1	8	6	4	4	7	7	7	7	1
10962	6	8	4	4	7	7	8	8	1	8	6	4	4	7	7	8	8	1

NOTE
This table applies only to short panel sections for curved walls and includes stringers for both front and rear of a 2896 millimeter length of wall.

NOTE
This table applies only to standard panel sections and includes stringer members for both front and rear of a 3050 millimeter length of wall.

SPACER MEMBERS REQUIRED PER TRANSVERSE SECTION

WALL HEIGHT	BEARING PLATE	FRONT COLUMN HEIGHT IN MILLIMETERS				REAR COLUMN HEIGHT IN MILLIMETERS				Total Column Length in Millimeters	Column Splice	Column Cap	SPACERS (Thickness & Length)						BOTTOM SPACERS (Thickness & Length)						STRINGER MEMBERS REQUIRED PER CELL: STRINGERS				St'r St'f	WALL HEIGHT
		1st Lift	2nd Lift	3rd Lift	Total Height	1st Lift	2nd Lift	3rd Lift	Total Height				1.63	1.63	2.01	2.77	2.77	2.77	1.63	1.63	2.01	2.77	2.77	2.77	1.63	2.01	2.77	3.51		
Millimeters	405x560												1585	2255	2926	3597	4267	4938	1585	2255	2926	3597	4267	4938	2896	2896	2896	2896	2896	Millimeters
1218	2	1218			1218	406			406	1624		1							1						4				1	1218
1624	2	1624			1624	812			812	2436		1	1						1						6				1	1624
2030	2	2030			2030	1218			1218	3248		1	2						1						8				1	2030
2436	2	2436			2436	1624			1624	4060		1	3						1						10				1	2436
2842	2	2842			2842	2030			2030	4872		1	4						1						12				1	2842
3248	2	3248			3248	2436			2436	5684		1	5	5					1	1					14				1	3248
3654	2	3654			3654	2842			2842	6496		1		6						1					14	2			1	3654
4060	2	2436	1624		4060	3248			3248	7308	1	1		7						1					14	4			1	4060
4466	2	2436	2030		4466	3654			3654	8120	1	1		8	8					1	1				14	6			1	4466
4872	2	2436	2436		4872	2436	1624		4060	8932	2	1		9	9					1	1				14	8			1	4872
5278	2	3654	1624		5278	2436	2030		4466	9744	2	1		10	10					1	1				14	8	2		1	5278
5684	2	3654	2030		5684	2436	2436		4872	10556	2	1			11	11					1	1			14	8	4		1	5684
6090	2	3654	2436		6090	3654	1624		5278	11368	2	1			12	12					1	1			14	8	6		1	6090
6496	2	3654	2842		6496	3654	2030		5684	12180	2	1			13	13					1	1			14	8	8		1	6496
6902	2	3654	3248		6902	3654	2436		6090	12992	2	1				14	14					1	1		14	8	10		1	6902
7308	2	3654	3654		7308	3654	2842		6496	13804	2	1				15	15					1	1		14	8	12		1	7308
7714	2	3654	2436	1624	7714	3654	3248		6902	14616	3	1				16	16					1	1		14	8	14		1	7714
8120	2	3654	2436	2030	8120	3654	3654		7308	15428	3	1				17	17					1	1		14	8	14	2	1	8120
8526	2	3654	2436	2436	8526	3654	2436	1624	7714	16240	4	1					18	18					1	1	14	8	14	4	1	8526
8932	2	3654	3654	1624	8932	3654	2436	2030	8120	17052	4	1					19	19					1	1	14	8	14	6	1	8932
9338	2	3654	3654	2030	9338	3654	2436	2436	8526	17864	4	1					20	20					1	1	14	8	14	8	1	9338
9744	2	3654	3654	2436	9744	3654	3654	1624	8932	18676	4	1						21						1	14	8	14	10	1	9744
10150	2	3654	3654	2842	10150	3654	3654	2030	9338	19488	4	1						22						1	14	8	14	12	1	10150
10556	2	3654	3654	3248	10556	3654	3654	2436	9744	20300	4	1						23						1	14	8	14	14	1	10556
10962	2	3654	3654	3654	10962	3654	3654	2842	10150	21112	4	1						24						1	14	8	14	16	1	10962

NOTES

1. Use Graphs shown on Standard Plan C8C to determine the type of steel crib to use for the various surcharges on both vertical and batter walls.
2. For non-tangent wall alignment, special length stringers may be required.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

STEEL CRIB WALL DESIGN DATA

NO SCALE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

C8B