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

Caltrans Metric

REGISTERED CIVIL ENGINEER

July 1, 2004
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Overcomer Y. Hor No. 45803 Exp. 12-31-06 CIVIL STATE OF CALIFORNIA

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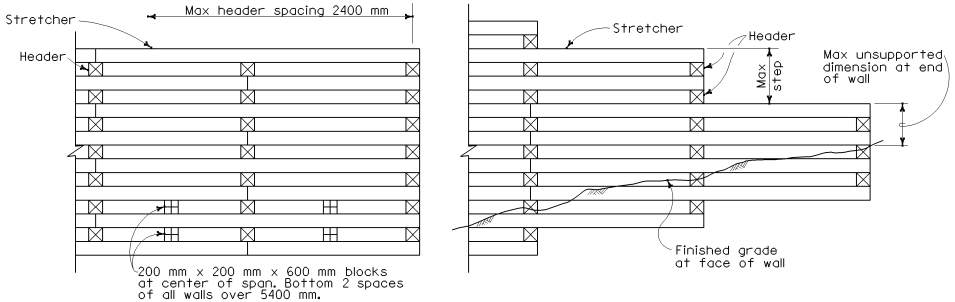
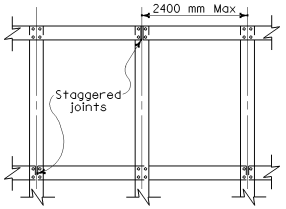
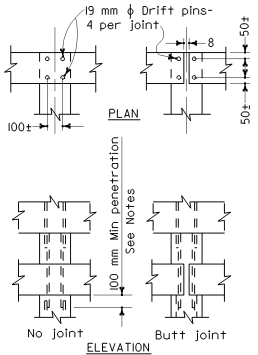


OPEN FACE CRIB PARTIAL ELEVATIONS

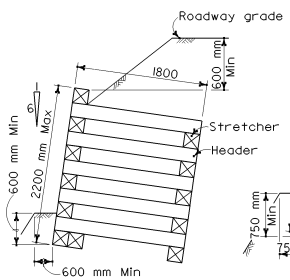


TYPICAL PLAN VIEW

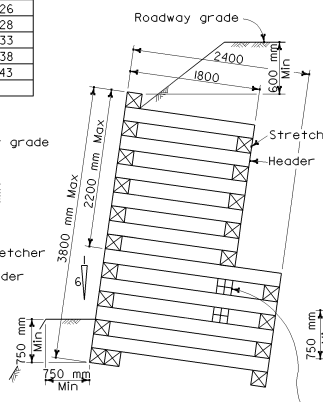


TYPICAL END CONNECTIONS

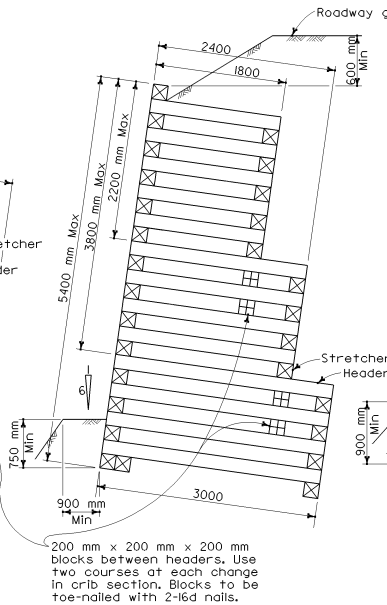
TIMBER PER 2400 mm CRIB SECTION					
HEIGHT	HEADERS				STRET-
OF WALL	1800	2400	3000	3600	CHERS
1400	3				8
1800	4				10
2200	5				12
2600	4	2			14
3000	5	2			16
3400	5	3			18
3800	5	4			20
4200	5	3	2		22
4600	5	4	2		24
5000	5	4	3		26
5400	5	4	4		28
5800	5	4	3	2	33
6200	5	4	4	2	38
6600	5	4	4	3	43



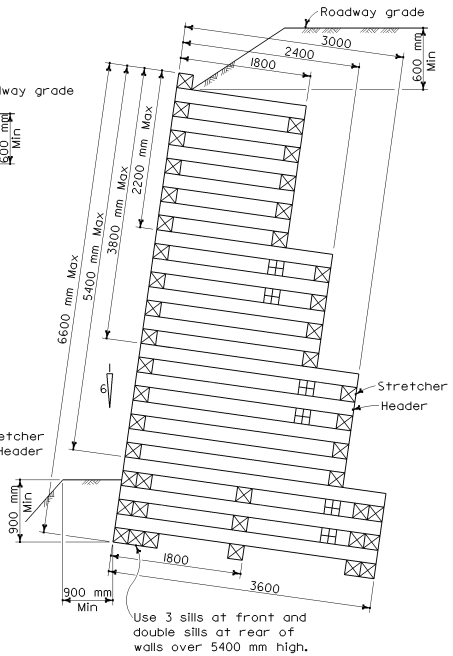
TYPE A



TYPE B



TYPE C



TYPE D

NOTES

1. All timber to be treated 200 mm x 200 mm full sawn No. 1 grade douglas fir-larch. All members to be pre-cut before treatment.
2. Drift pins and holes to be 19 mm ϕ.
3. Drift pins to be of sufficient length to penetrate thru 2 members and 100 mm minimum into the third member. Drift pins shall cross each contact joint between headers and stretchers. Pins may lap, provided edge or end distance to pins is not less than 45 mm.
4. All stretchers to be laid horizontal.
5. Vertical walls are not permitted.
6. Maximum allowable height is 6600 mm.
7. All walls 5400 mm high or under shall have double sills at front and single sill at rear. When wall exceeds 2200 mm, 3800 mm, or 5400 mm, use a minimum of two courses of next longer headers.
8. For Design Data see Standard Plan C9B.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TIMBER CRIB WALL TYPES A, B, C AND D

NO SCALE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

C9A

2004 Std PLAN C9A

03-26-04