

TABLE C-2.1

TIMBER TRENCH SHORING -- MINIMUM TIMBER REQUIREMENTS \*  
 SOIL TYPE A P<sub>a</sub> = 25 X H + 72 psf (2 ft. Surcharge)

DEPTH OF TRENCH (FEET)	SIZE (S4S) AND SPACING OF MEMBERS **																	
	CROSS BRACES						WALES			UPRIGHTS								
	HORIZ. SPACING (FEET)	WIDTH OF TRENCH (FEET)						VERT. SPACING (FEET)	SIZE (IN)	VERT. SPACING (FEET)	MAXIMUM ALLOWABLE HORIZONTAL SPACING (FEET)							
		UP TO 4	UP TO 6	UP TO 9	UP TO 12	UP TO 15	UP TO SPACING (FEET)				CLOSE	4	5	6	8			
5	UP TO 6	4X4	4X4	4X4	4X4	4X4	4X6	4	Not Req'd	Not Req'd								
TO	UP TO 8	4X4	4X4	4X4	4X6	4X6	4X6	4	Not Req'd	Not Req'd				4X6				4X8
10	UP TO 10	4X6	4X6	4X6	4X6	6X6	6X6	4	8X8	4			4X6					
UP TO 12	4X6	4X6	4X6	4X6	6X6	6X6	6X6	4	8X8	4								4X6
10	UP TO 6	4X4	4X4	4X4	4X4	6X6	6X6	4	Not Req'd	Not Req'd								4X10
TO	UP TO 8	4X6	4X6	4X6	4X6	6X6	6X6	4	6X8	4			4X6					
15	UP TO 10	6X6	6X6	6X6	6X6	6X6	6X6	4	8X8	4								
UP TO 12	6X6	6X6	6X6	6X6	6X6	6X6	6X6	4	8X10	4								4X10
15	UP TO 6	6X6	6X6	6X6	6X6	6X6	6X6	4	6X8	4			3X6					
TO	UP TO 8	6X6	6X6	6X6	6X6	6X6	6X6	4	8X8	4								4X12
20	UP TO 10	6X6	6X6	6X6	6X6	6X6	6X8	4	8X10	4								
UP TO 12	6X6	6X6	6X6	6X6	6X8	6X8	6X8	4	8X12	4								4X12
OVER 20	SEE NOTE 1																	

\* Douglas fir or equivalent with a bending strength not less than 1500 psi.

\*\* Manufactured members of equivalent strength may be substituted for wood.