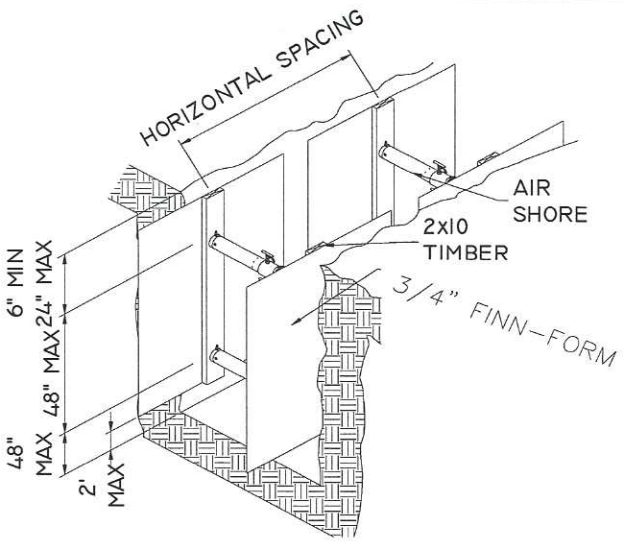
AirShore

Tabulated Data For Use in Excavations with Plywood & Plank

TABLE 1-MAXIMUM ALLOWABLE SPACING

Soil Type	Trench DEPTH (FT)	Trench Width (FT)	Horizontal Spacing (FT)	Vertical Spacing (FT)
A-25	4 to 10	to 6	8	4
		6 to 12	8	4
		12 to 16	5	4
	10 to 15	to 6	8	4
		6 to 12	8	4
		12 to 16	4	4
	15 to 20	to 6	8	4
		6 to 12	6	4
		12 to 16	2	4
B-45	4 to 10	to 6	8	4
		6 to 12	8	4
		12 to 16	4	4
	10 to 15	to 6	7	4
		6 to 12	6	4
		12 to 16	4	4
	15 to 20	to 6	5	4
		6 to 12	5	4
		12 to 16	4	4
C-60	4 to 10	to 6	8	4
		6 to 12	6	4
		12 to 16	4	4
	10 to 15	to 6	5	4
		6 to 12	4	4
		12 to 16	4	4
	15 to 20	to 6	4	4
		6 to 12	4	4
		12 to 16	4	4



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Recommended strut pressures (min.)			
TYPE A & B		TYPE C	
4 to 20 ft	116 PSI	4 to 20ft	116 PSI

Installation Procedure

1) Soil must first be classified by a competent person in accordance with OSHA appendix A.
2) Tabulated Data allows for a 200 PSF surcharge load. Move surcharge away from excavation or space shores closer together to allow for larger surcharge loads.
3) Inspect equipment to be sure that it is in proper working order.
4) Struts are to be placed and pressurized from outside the trench or from within a shored area. Under no circumstances is a worker allowed to enter an unshored area.
5) Pressurize struts to the minimum recommended pressure.
6) There should be a minimum of three columns of shoring in excavations over 10 ft long and two columns if it is less than 10 ft long. Shoring columns shall be spaced in accordance with the tabulated data.
7) Plywood shall be 3/4" Finn Form, Planks shall be 2" thick timber DF #2 or Better

REMOVAL PROCEDURE

1) Shores are to be removed from the bottom of the trench up. Workers should be outside the trench or inside shored areas when removing shoring.
2) Previously shored trenches are more prone to collapse and should be backfilled or barricaded to prevent workers or equipment from falling into the trench if it collapses.

DATE	REVISED	JOB NO: 13088-1
9/11/1998	3/13/2012	SHT 1 of 1