

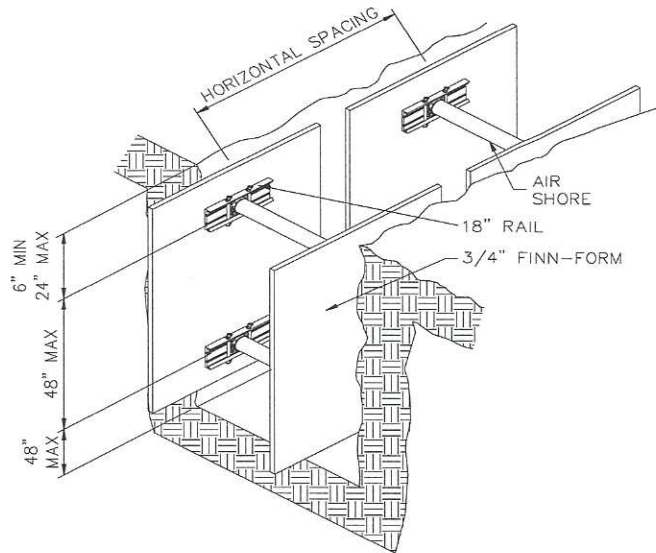
AirShore

Tabulated Data For Use In Excavations

Multishore System with Finn-Form



Multishore	
Plywood (FT)	Airshore Struts (Total)
6	2
8	2
10	3
12	3
16	4



Recommended strut pressures (min.)			
TYPE A & B		TYPE C	
4 to 20 ft	116 PSI	4 to 20ft	116 PSI
Soil Type A-25 Multishore Installation Data (See Sheet 2 for notes)			
Depth of Excavation (FT)	Vertical Strut Spacing (FT)	Horizontal Spacing (FT)	Trench Width (FT)
0 to 10	4	8	15
10 to 15	4	8	15
15 to 20	4	8	15
20 to 25	4	8	12

Soil Type B-45 Multishore Installation Data (See Sheet 2 for notes)			
Depth of Excavation (FT)	Vertical Spacing (FT)	Horizontal Spacing (FT)	Trench Width (FT)
0 to 10	4	8	12
10 to 15	4	8	12
15 to 20	4	6	12
20 to 25	4	5	8

Soil Type C-60 Multishore Installation Data (See Sheet 2 for notes)			
Depth of Excavation (FT)	Vertical Spacing (FT)	Horizontal Spacing (FT)	Trench Width (FT)
0 to 10	4	6	12
10 to 15	4	4	12
15 to 20	4	4	8
20 to 25	4	4	6



DATE
6/1/2000

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3/13/2012

JOB NO: 13088-1
Sht 1 of 2

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Notes:

- 1) Soil Type and shoring configuration to be determined by competent person.
- 2) Spacing charts are based on soil types as defined in OSHA, CFR 29 Subpart P, July 1997, Appendix A.
- 3) Sheeting is 3/4" thick 14 ply Finn-Form Plywood. Sheeting is required to prevent raveling & sloughing and is required in all cases in C-60 soil below 10 ft. There may be spaces between sheeting depending on Shore spacing allowances.
- 4) Type C-60 soil is defined as C-soil that will stand up long enough for the shores to be installed.
- 5) There must be at least 3 columns of shores in a trench 10 ft and longer and at least 2 columns in trenches less than 10 ft long.
- 6) Spacing charts allow for surcharge loading from equipment weighing 40,000 lbs or less, and traffic allowed no closer than 2 ft from the edge of the trench. For larger surcharge loads shore spacing shall be reduced or surcharge loads shall be kept farther away from the edges.
- 7) No vertical loads are to be applied to the shores.
- 8) Trench walls should be straight and within 20 degrees of vertical. There should not be voids behind the shore struts. Wood blocking may be used to fill voids behind struts.
- 9) Trenches less than 5 ft deep may require shoring.
- 10) Shore rail sections may be stacked and used in any combinations provided that there is no more than 4 ft spacing between struts.

Installation Procedures

- 1) Complete the excavation and immediately install the system.
- 2) Connect the air supply to the airshore struts.
- 3) Suspend the multishore at the intended location in the excavation using appropriate lifting equipment such as backhoe or loader.
- 4) Pressurize the system and install the pins to secure the collar of the top airshore strut. Repeat the procedure progressing to next lower strut.

Removal Procedures

- 1) Reconnect the air supply and pressurize the system.
- 2) Remove pins starting at the lowest strut and moving upward.
- 3) Lift the system out using appropriate lifting equipment.



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