



# TRENCH SHIELD TECHNICAL DATA SHEET

DATE: July 18, 2017  
SUBJECT: End - Loadable Spreaders TSX4 for ATS Trench Shields

This Technical Data Sheet is a addition to **Pro-Tec's Tabulated Data for ATS Shields.**

ATS Trench Shields may provide 3-sided or 4-sided protection when TSX4 End-Loadable spreaders are utilized provided the following conditions are met:

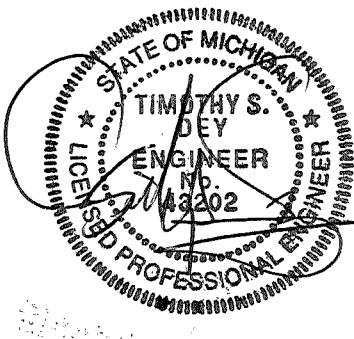
- The maximum depth of the excavation does not exceed the values in the Maximum Depth Table or the Tabulated Data of the ATS Shield utilized in the application.
- The maximum length of the spreader does not exceed 96-in.
- The Approved Sheeting Elements utilized in the application shall be secured by backfilling against the sheeting at least 2/3 of its height.

Maximum Depth Table:

SOIL	MAX DEPTH	PSF
TYPE A	38 - FT	620
TYPE B	21 - FT	
TYPE C60	16 - FT	
TYPE C80	12 - FT	

Approved Sheeting Elements:

- PTE Aluminum Sheeting
- Two sheets of 3/4" thick CDX Plywood placed back to back
- 1 1/8" thick CDX Plywood
- 3/4" thick 14 Ply Arctic White Birch (Finland Form)
- 3/4" thick HDO - American Plywood Association, high density overlay exterior
- 3/4" thick Plyform - American Plywood Association B-B Class I Exterior
- 3/4" thick Combi Exterior Plywood
- 3/4" Omni Form



**TRINITY SHORING PRODUCTS, INC.**

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Usage of trench shields other than specified could cause failure or cave-ins resulting in serious injury or death.

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