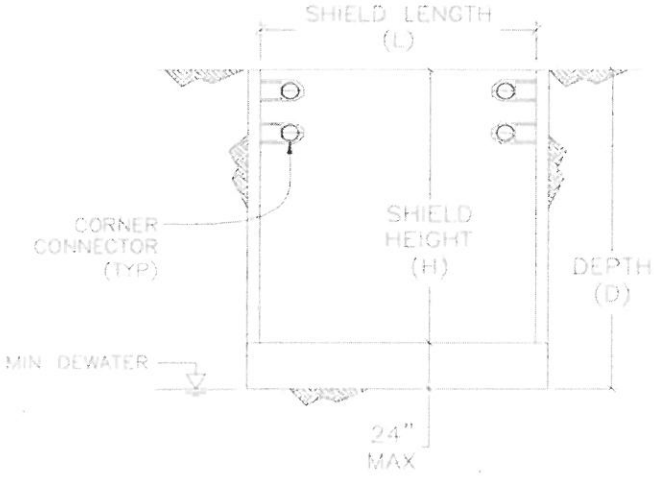
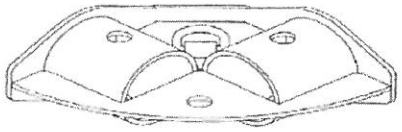
TRENCH SHIELD CORNER CONNECTOR CERTIFICATION

SOIL	MAX DEPTH (FT)	PRO-TEC TRENCH SHIELD CORNER CONNECTORS ARE ONLY APPROVED FOR USE WITH PRO-TEC SHIELDS, AND SHALL NOT BE USED WITH SHIELD OF ANY OTHER MANUFACTURER WITHOUT PE STAMPED APPROVAL.
TYPE A	16	
TYPE B	16	MAX SHIELD HEIGHT = 8'
TYPE C	16	MAX SHIELD LENGTH = 24'





Corner Connector Bracket

TABULATED DATA FOR PRO-TEC TRENCH SHIELDS TO BE USED WITH BRACKETS MUST BE PROVIDED AT JOB SITE, AND IF DEPTH RATING OF ANY SHIELD USED IS LESS THAN 16', THE LOWER RATING SHALL CONTROL

1 3/4" DIAM. PINS SHALL HAVE MIN Fu = 92 KSI. CONTRACTOR RESPONSIBLE FOR ENSURING PROPER GRADE PINS ARE IN PLACE PRIOR TO SHIELD USE.

CAPACITY AND DEPTH RATINGS ACCOUNT FOR 33% OVERSTRESS FOR TEMPORARY LOADING CONDITIONS

PRO-TEC EQUIPMENT

TRINITY SHORING PRODUCTS, INC.
A TRINITY MINING & CONSTRUCTION EQUIPMENT, INC. COMPANY

Improper use of equipment could cause failure or cave-ins resulting in serious injury or death.

Phone (517) 541-0303 ~ 1-800-292-1225 ~ Fax (517) 541-0329
Address: 4837 West Grand River Ave. ~ Lansing, MI 48906

LIMITATIONS

1.) This tabulated data has been prepared by a registered professional engineer as required to comply with OSHA standard 29 CFR part 1926, subpart P.

2.) Shield may be suspended no more than 2 feet above bottom of the trench and only if there is no possible loss of soil from behind or below bottom of shield.

3.) Surcharge loads have not been included in the above depth ratings. The allowable working depth of the shoring sytsem must be reduced to account for any surcharge loading which occurs within the influence line of the shield. Otherwise, site specific engineering is required.

4.) Shoring shields shall be installed in a manner that will prevent lateral or otherwise hazardous movement of soils. Shoring shields are not intended to provide stability to adjacent buildings or other structures.

5.) Soil above shield must be sloped according to OSHA Subpart P, & must begin no less than 18" below top of panel. Excavations over 20'-deep with slopes require site specific approval.

6.) Trench shields using corner brackets shall only be used in a (4) sided configuration with (2) corner brackets in each of the (4) corners of the shoring system.

7.) Shields may be stacked as long as each panel is rated to the depth it is used and manufacturer approved stack connections are utilized to prevent lateral movement of the shields.

9.) Contractors' competent person is fully responsible for classifying soils in accordance with OSHA guidelines, prior to use of system.

10.) Any modifications to panels will void tabulated data unless otherwise specified or allowed in writing by Pro-Tec Equipment.

11.) Shields must be inspected prior to each use for any damage or deterioration. If any assembly has sustained damage or permanent deformation, the tabulated data is void until repairs are made as specified by a registered professional engineer.

12.) Pro-Tec shoring systems are to be used in accordance with Federal, state and local laws. Refer to Occupational Safety and Health Administration (OSHA) rules and regulations Vol. 54, No. 209, 10/31/89. Subpart P.

13.) Contractor is fully responsible for ensuring groundwater level on all sides of shoring is maintained below base of excavation at all times, otherwise certification is invalid.

14.) Brackets must be fabricated by Pro-Tec/Trinity Shoring Products in accordance with drawing 600790, grade 55 steel.