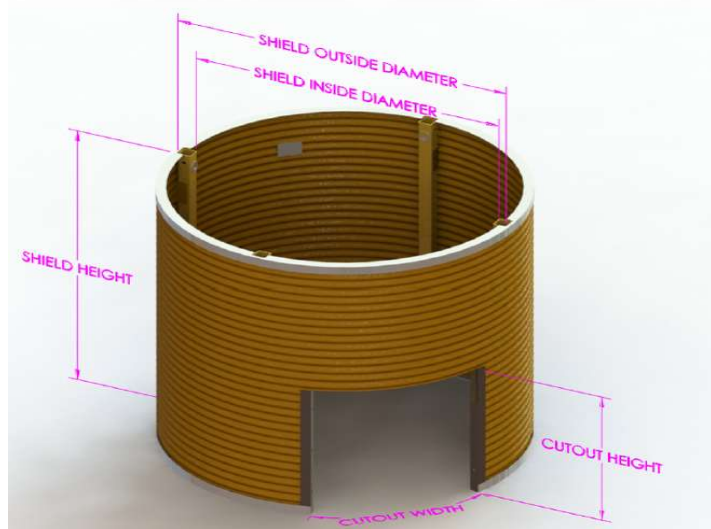


ROUND MANHOLE SHIELD TABULATED DATA

Model Number: 04.RMH-10D-8T-RC

3810 Magnolia Pkwy
Pearland TX 77584

Serial Number	PS26855	Cutout Height	48 IN	Pressure Rating	1,767 PSF
Height	8 FT	Cutout Width	76 IN	Weight	2,204 LBS
Outside Diameter	120 IN	Pin Diameter	1 IN	Surcharge Pressure	72 PSF
Inside Diameter	112 IN	Pin Yield Strength	54 KSI	33% Shoring Factor	NO



SOIL TYPE	MAX DEPTH (FT)
A-25	24
B-45	24
C-60	24
C-80	21



NOTES & LIMITATIONS:

- 1) The exterior wall of the round manhole shield shall be in direct contact with soils.
- 2) When cutouts are not being used, all openings shall be filled with Pacific Shoring supplied cover panels approved by the manufacturer.
- 3) Sloped soils must extend to no less than 18" below the top of the shield. Shield need not extend above soil when soils are flat and level with top of shield.
- 4) Any excavations over 20'-deep with sloping require site specific approval by a Licensed Professional Engineer (P.E.).
- 5) User is responsible for safe support of shield to ensure it cannot shift vertically or horizontally at any time.
- 6) Round manhole shields may be stacked, provided that appropriate connections are made between the stacked shields to prevent lateral movement.
- 7) Round manhole shield must be used in strict compliance with all applicable OSHA guidelines and limitations outlined in this document.
- 8) This document has been prepared by a P.E., as required by OSHA 29 CFR, Part 1926, Subpart P.
- 9) Round manhole shield shall be used under the supervision and direction of a Competent Person as defined by CRF, Part 1926, Subpart P. Among other qualifications, the Competent Person shall be trained in the use of shields and have practical field experience with the use of shields, soil classification, and recognizing hazardous conditions.
- 10) Round manhole shields shall be installed in a manner to restrict lateral or other hazardous movement of the shield in the event of the application of sudden lateral loads.
- 10) Round manhole shield shall be inspected prior to each use, to ensure they are in good condition and free of any damage or visual defects.
- 12) Any repairs or modifications to the round manhole shield, such as modifying openings, are strictly prohibited, unless approved in writing by a P.E.
- 13) Pressure rating is a triangular pressure distribution based on C-60 soil at bottom of the excavation.
- 14) User must ensure that the groundwater level on all sides of the shoring is maintained below the base of the excavation at all times, otherwise, this certification is invalid.
- 15) Competent Person must ensure surcharge limits and equipment setbacks are maintained at all times, unless approved in writing by a P.E.

NOTE: BACKFILL MINIMUM 1/2 SHIELD HEIGHT WITH CLEAN GRANULAR BACKFILL (SAND/PEA GRAVEL/PIPE BEDDING) ENSURING COMPLETE ANNULUS FILL (NO VOIDS/BRIDGING) BEFORE ENTERING EXCAVATION. BULKHEAD AT OPENINGS TO CONTAIN BACKFILL.

WARNING: USE OF SHIELDING OTHER THAN OUTLINED IN THIS DOCUMENT CAN CAUSE FAILURE, COLLAPSE, OR CAVE-INS, AND MAY RESULT IN SERIOUS INJURY OR DEATH.