

8.0 RETROFITTING ENVIRO VAULTS

NOTE: Prior to retrofitting a tank, ensure the tank shell is in sound condition!

8.1 FIVE SIDED VAULT – The 5 sided vault was designed to fit through a standard 24' x 36' manway. Mark and cut the opening as per Section 3. Slide the vault through the manway and install as per normal instructions.

8.2 SEMI CIRCULAR VAULTS – The standard or semi circular vaults are too large to fit through a manway. They are also too large to fit through the door opening. To install a semi circular vault, mark the opening as per Section 3.

- Using a sharp knife, cut the foam 4 inches on each side of the outline and then use a scraper to neatly remove the 8 inch strip of foam. (This allows minimum removal of insulation and ensures a much neater finish)
- Repeat the marking procedure on the exposed metal in preparation to make the actual door cut, then make the cut as described. **Caution: Urethane foam is very flammable and emits poisonous and harmful vapors when burned.**
- On the lower left hand corner of the door opening, cut an additional 12" square out. You have now removed a square section. Retain this as it will be welded in again.
- Roll the vault through the opening with the lid going through the “notch” cut into the lower corner of the opening.
- Once inside, place the vault up against the inner wall, centered over the door opening, ensuring the 3" required from door opening to side wall on each side, and install as per normal.
- Weld the square section back onto the tank, making sure to retain the 3" radius corner.
- Install the rain-guard as described in 5.3
- To finish the job properly, a coat of **elastomeric topcoat** should be applied to the foam exposed around the newly made door opening to reseal the foam and cover the welds, preventing corrosion.

