**24" Sonotube**

- Foam to create keyway
- Lagging
- Lag bolt with bracket for scaffold tie off
- Tie-back rod and bracket
- Soil
- Duplex nail with wire for rebar tie off
- Screed pin or rod penetration
- Soil
- Plastic sheeting
- Steel I-beam

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**TREMDrain 1000** only to be applied above the water table and shall not be placed inside of the blockout area

- Paraseal GM/LG
- Concrete fill (see note)
- 1/4" thick layer of Paramastic over tie-back bracket
- Use wet fire blanket to protect the Paraseal GM/LG when the tie-back rod and bracket are burned off
- Paraseal GM LG target sheet
- Para JT Taped seams
- Superstop Waterstop
- Seal full perimeter of TREMDrain with cant bead of Dymonic 100, Vulkem 116 or TREMproof 250 GC-T

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**Note:** Paraseal products require a min of 24 PSF of compaction/confine in order to function as designed.

**Note:** In submerged conditions blockouts must be filled with grout or concrete only; no shotcrete.