

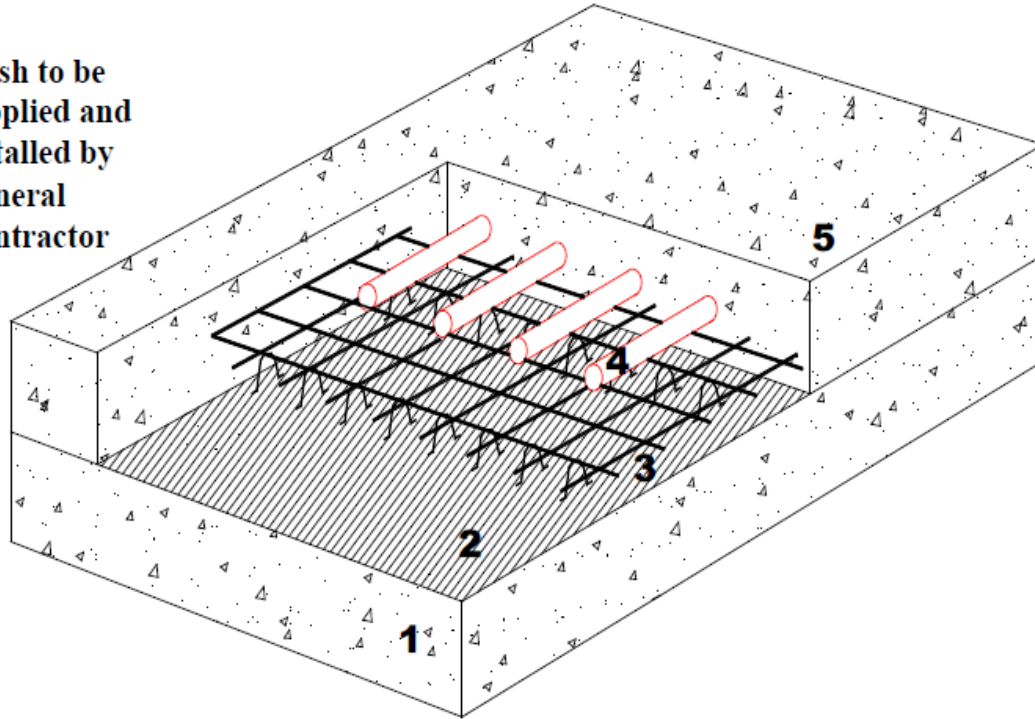


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**Project name**

**MI Heating Cable – Typical Concrete – Cable on Mesh with Waterproofing Membrane Cross Section**

**Mesh to be supplied and installed by General Contractor**




**Concrete 1 Pour – Cables on Mesh with Waterproofing Notes:**

- Apply the hot waterproof membrane over a pre sand-blasted concrete base slab.
- Use chairs or rebar to raise the cable up so that the final elevation of the cable is within 2-3” of the completed surface.
- Lay a 6” x 6” mesh on top the chairs and strap the heating cable to this mesh using tie-wraps.
- If using a slab sensing thermostat, install a 0.5” metal conduit between two runs of heating cable and away from high concentrations of heating cable. *You may install the thermostat at this time.*
- Ensure the heating cable is covered with a minimum of 2.5” of concrete.

**NOTES:**

- 1) CONCRETE SUBSTRATE BLAS-TRACKED OR SAND BLASTED
- 2) HOT APPLIED MEMBRANE WITH ASPHALTIC PROTECTION BOARD
- 3) 6X6 #8 MESH SUPPORTED ON CHAIRS. SPACING OF CHAIRS NOT TO EXCEED 18 INCHES (460mm) IN ANY DIRECTION. FINAL ELEVATION OF CABLES TO BE WITHIN 2 TO 3 INCHES (50 TO 75 mm) FROM THE COMPLETED SURFACE.
- 4) TY-WRAP TRM HEATING CABLES ON 6X6 MESH
- 5) CONCRETE TOPPING

**CABLES CANNOT BE IN DIRECT CONTACT WITH THE WATERPROOFING MEMBRANE! CABLES WILL BURNOUT, AND THE MEMBRANE WILL MELT.**

<b>Drawing Number:</b>	<b>Scale: N.T.S.</b>	<b>Project Status: Construction</b>	
 <b>Thermal Resources Management TRM Heating Cables</b>	<b>Drawn by: IP</b>	<b>Approved: _____</b>	
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