

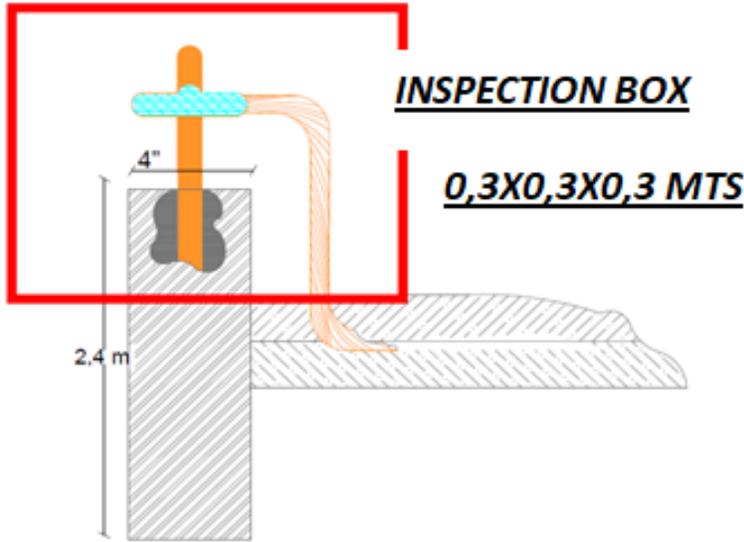
## **CONDUCTIVE CONCRETE CELEC® FOR GROUNDING (EARTHING) SYSTEMS**

### **PRECAUTIONS:**

1. Store in a dry place, protect from moisture.
2. Wear personal protective items

### **CELEC® VERTICAL CONDUCTIVE CONCRETE INSTALLATION:**

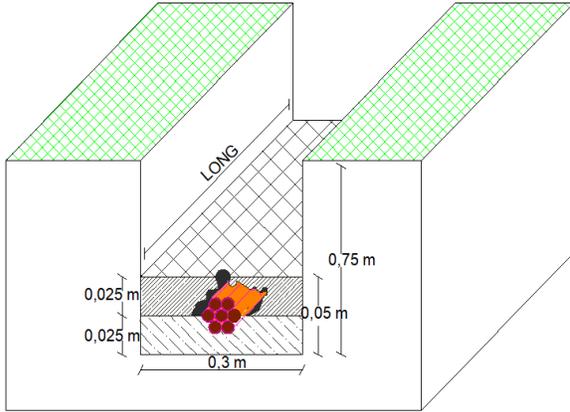
1. A circular hole of approximately 30 cm in diameter and the depth of the rod is excavated.
2. Using a 4" PVC tube as a form in the center of the hole, it is filled and compacted with soil around the tube, with circular movements allowing it not to be fixed to the ground. (Remove the Tube, it is only used as a mold, in case of letting it the grounding system is isolated).
3. The rod is placed vertically and centered on the 4" PVC pipe.
4. The CELEC® Conductive Concrete is mixed with water in a large container or vessel to form a homogeneous mortar-like mass.
5. In portions, this mixture is applied until the rod is covered. Placing at the end the corresponding connector or exothermic welding and the cable that would go to the equipment to be protected.
6. A bulk of 25 Kg yields for a rod of 2, 4 m.



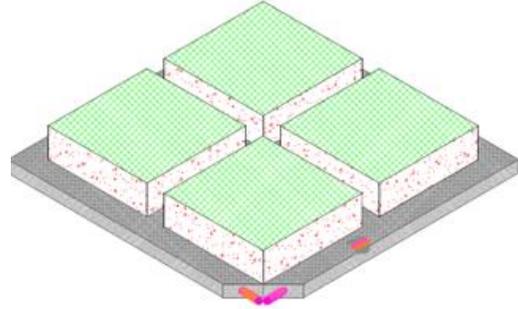
## **VERTICAL ELECTRODE**

### **CELEC® HORIZONTAL CONDUCTIVE CONCRETE INSTALLATION:**

1. A trench approximately 30 cm wide and 75 cm deep with respect to the final level is excavated along the path of the mesh conductor.
2. In a large container or vessel, the CELEC® Conductive Concrete is mixed with water to form a homogeneous mortar-like mass.
3. A layer of this mixture is applied to the bottom of the trench by spreading it evenly, with a width of 30 cm and a thickness of 2.5 cm.
4. The grounding conductor is installed on this layer and the corresponding welds are made.
5. The conductor should be located as straight as possible in the center of the ditch.
6. Another layer of CELEC® Conductive Concrete mixed with water is applied to the conductor, spreading it evenly, with a width of 30 cm and a thickness of 2.5 cm.
7. Finish filling the trench with soil, compacting only when you finish covering the trench.
8. With the specifications given above, a 25 kg package yields approximately 1.4 m of ditch.



GROUND BED



HORIZONTAL GRID

[WWW.CONCRETECELEC.CO](http://WWW.CONCRETECELEC.CO)