

## REQUIREMENTS FOR ULTRA-THIN MAT INSTALLATIONS

### 1. CHASE THE FLOOR [BEFORE WATERPROOFING BATHROOMS]

You must chase the floor below the conduits to ensure the conduits, floor sensor and cold tail all sit below the floor level.

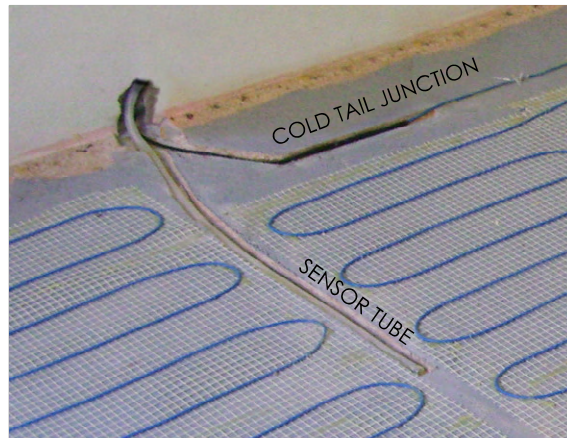
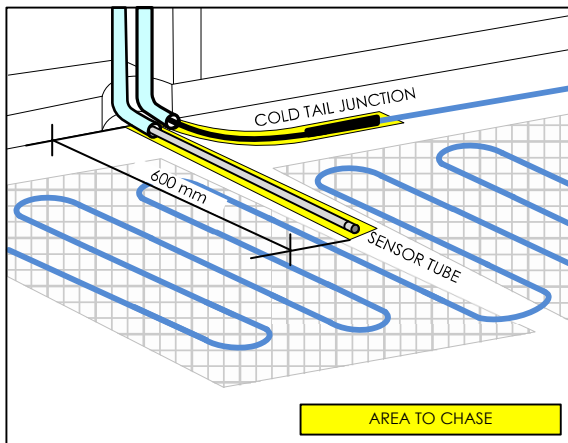
Required;

**2 x [20mm wide x 20mm deep] and 600mm long chases.**

This must be done before waterproofing, for bathrooms, so you do not damage the water proofing membrane.

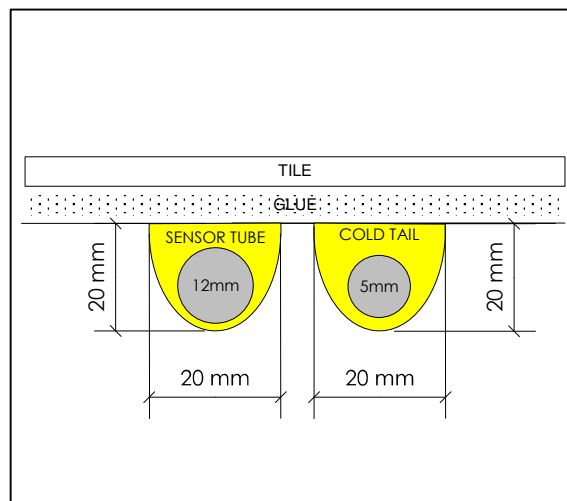
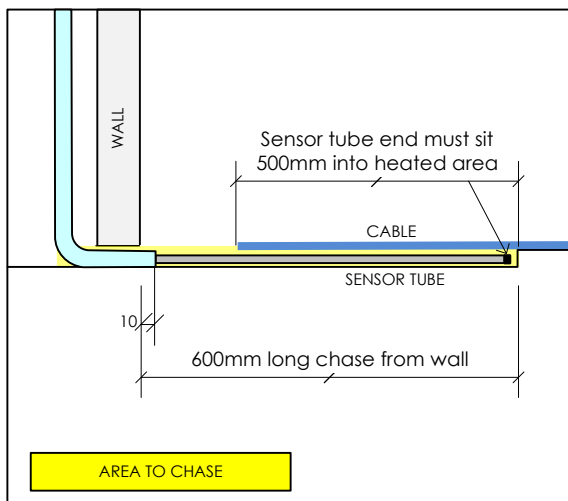
#### What does chasing the floor mean?

Cutting a long groove into either concrete or brick to allow cable or pipe to sit flush or below the surface. The depth and width can vary to suit your requirements.



### 2. EXTEND CHASING IF CONDUITS ARE INSTALLED BEHIND A VANITY

Allow a further 500mm chase out beyond a vanity or cupboard to ensure the sensor tube end always sits 500mm into a heated area.



### 3. ELECTRICIAN TO INSTALL CONDUITS IN THE WALL

Install **2 x 20mm conduit** from the sub floor up to thermostat location. 20mm conduits are for one floor mat only. Multiple mats for larger areas require bigger conduits and different chasing. See your 'Electrical Requirements' with your quote.

**240 V POWER SUPPLY**  
[with RCD Protection]  
All Electrical Work must comply with  
**AS/NZ 3000:2000**

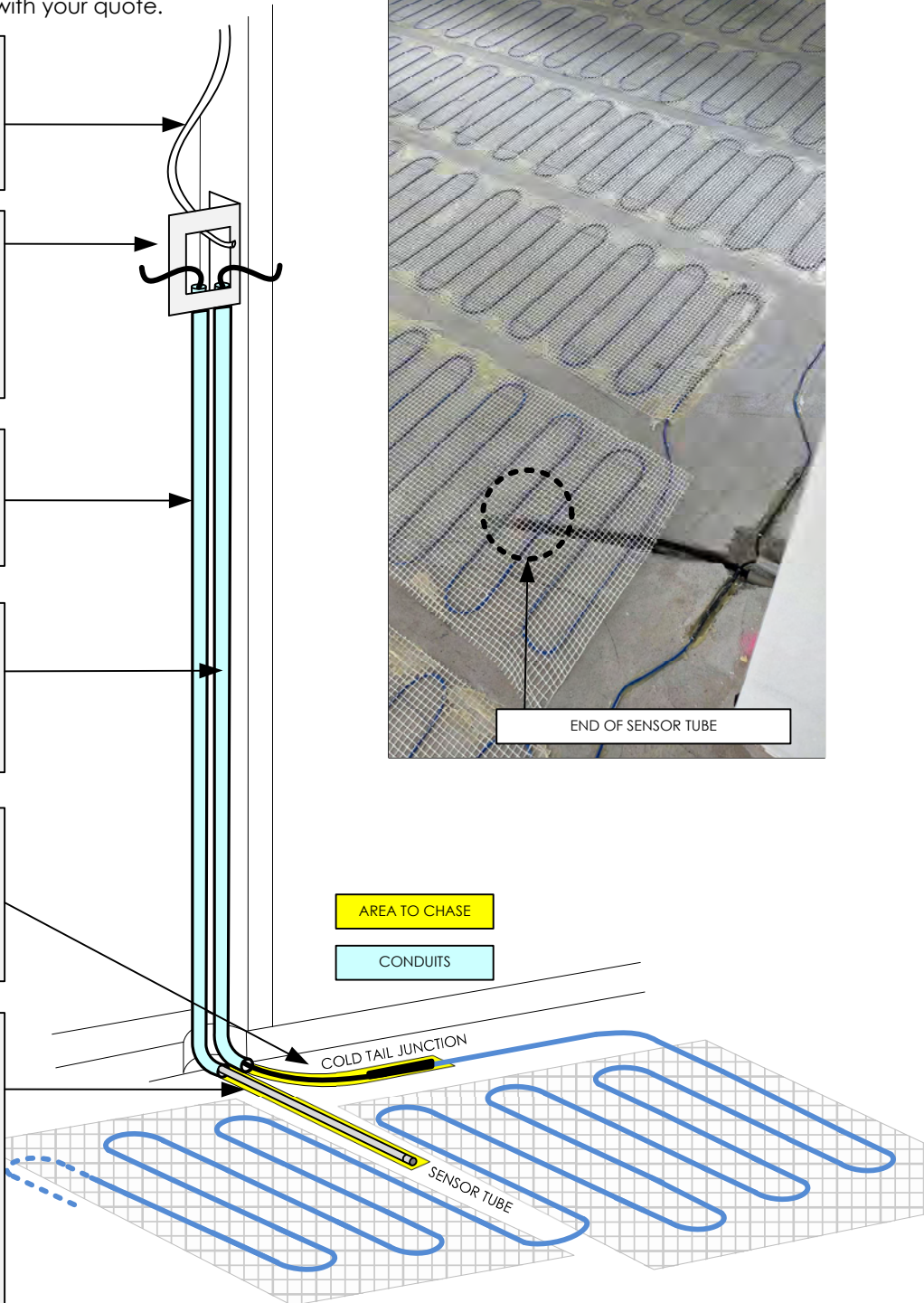
**WALL BRACKET MOUNTED VERTICAL**  
Timber Stud - Clipsal 155VH  
Gyprock - Clipsal 154  
Cement Render - Clipsal 155P

**CONDUIT FOR FLOOR SENSOR**  
[20mm diameter with 90 deg spring bend at bottom]

**CONDUIT FOR HEATING MAT COLD TAIL**  
[20mm diameter for max. 1 cable]  
[25mm diameter for max. 2 cables]  
[90 deg spring bend at bottom]

**CHASE FLOOR FOR COLD TAIL JUNCTION**  
[20mm wide x 20mm deep and 600mm long]  
**CAUTION: Cold tail junction must NEVER be installed inside a conduit**

**CHASE FLOOR FOR SENSOR TUBE**  
[20mm wide x 20mm deep and minimum 600mm long]  
End the floor chase to position the sensor tube end evenly between two runs of cable. The chase can alternately be on an angle (see image), as long as the sensor tube end sits evenly between two runs of cable.



### 4. CAUTION – NEVER INSTALL THE COLD TAIL JUNCTION INSIDE A CONDUIT

The cold tail junction is located where the heating cable and the cold tail join. This junction is marked on your 'Design Layout' and typically installed at a minimum 100mm off walls and fixtures.

