

### 3.2. SANS 10177 – PART 10 (FLAME SPREAD)

The installation was representative as would normally be done in practice for an over-purlin under-roof installation in buildings using profiled roof sheeting. The specimens were installed according to manufacturer’s installation instructions in the channel tunnel facility shown in Figure 3.2.1.

The fire-spread properties of the insulation material tested, envisaged for use in buildings, are classified according to **Annex C** of **SANS 428**, Surface fire properties, also taking in consideration the limitations regarding the use of non-combustible materials described in **SANS 10400 – T**.

Temperatures were measured during the investigation with thermocouples located 20 mm below the installation at 1 m centres. The test installation was exposed to the thermal output of three litres of n-hexane, which was placed in the fire source tray. Temperatures were continuously recorded and observations were noted of the behaviour of the material.

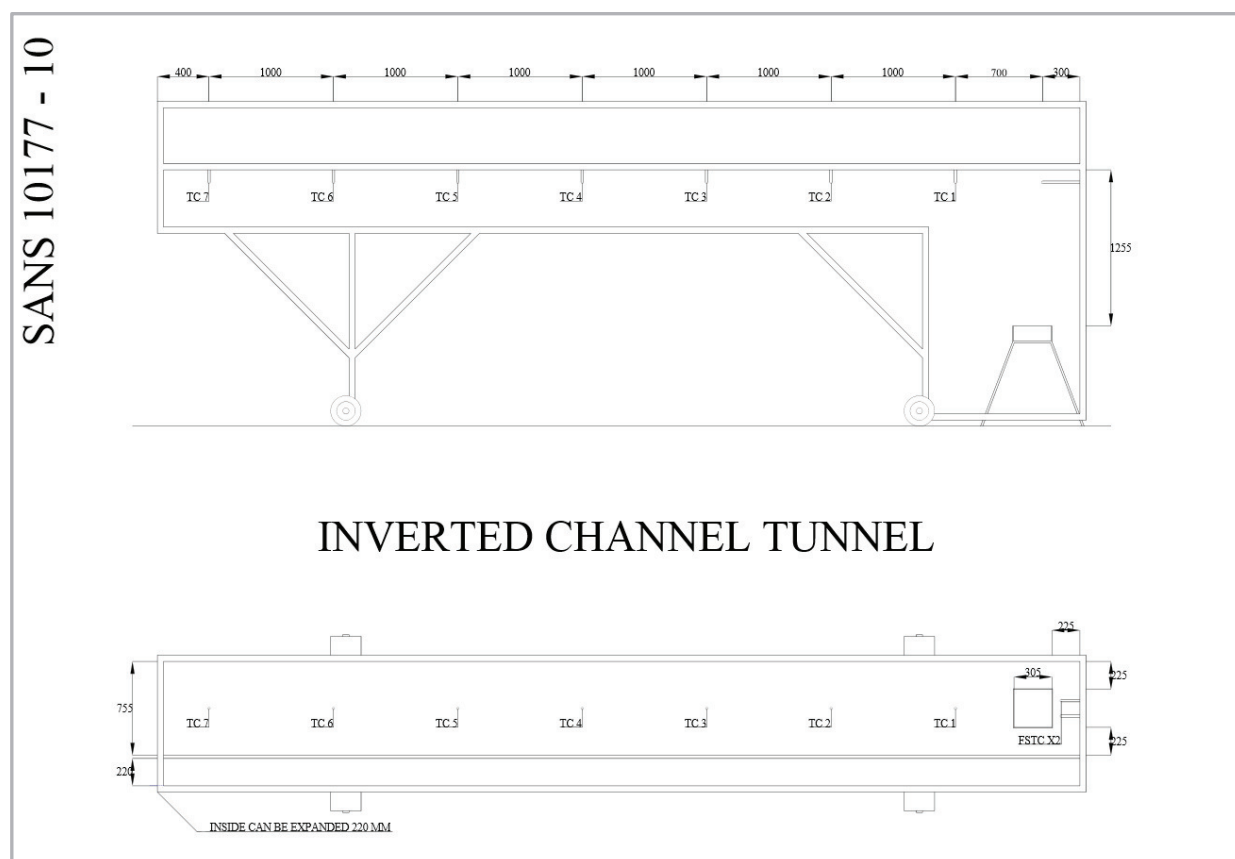


Figure 3.2.1: Diagram of SANS 10177 – 10 inverted channel testing facility