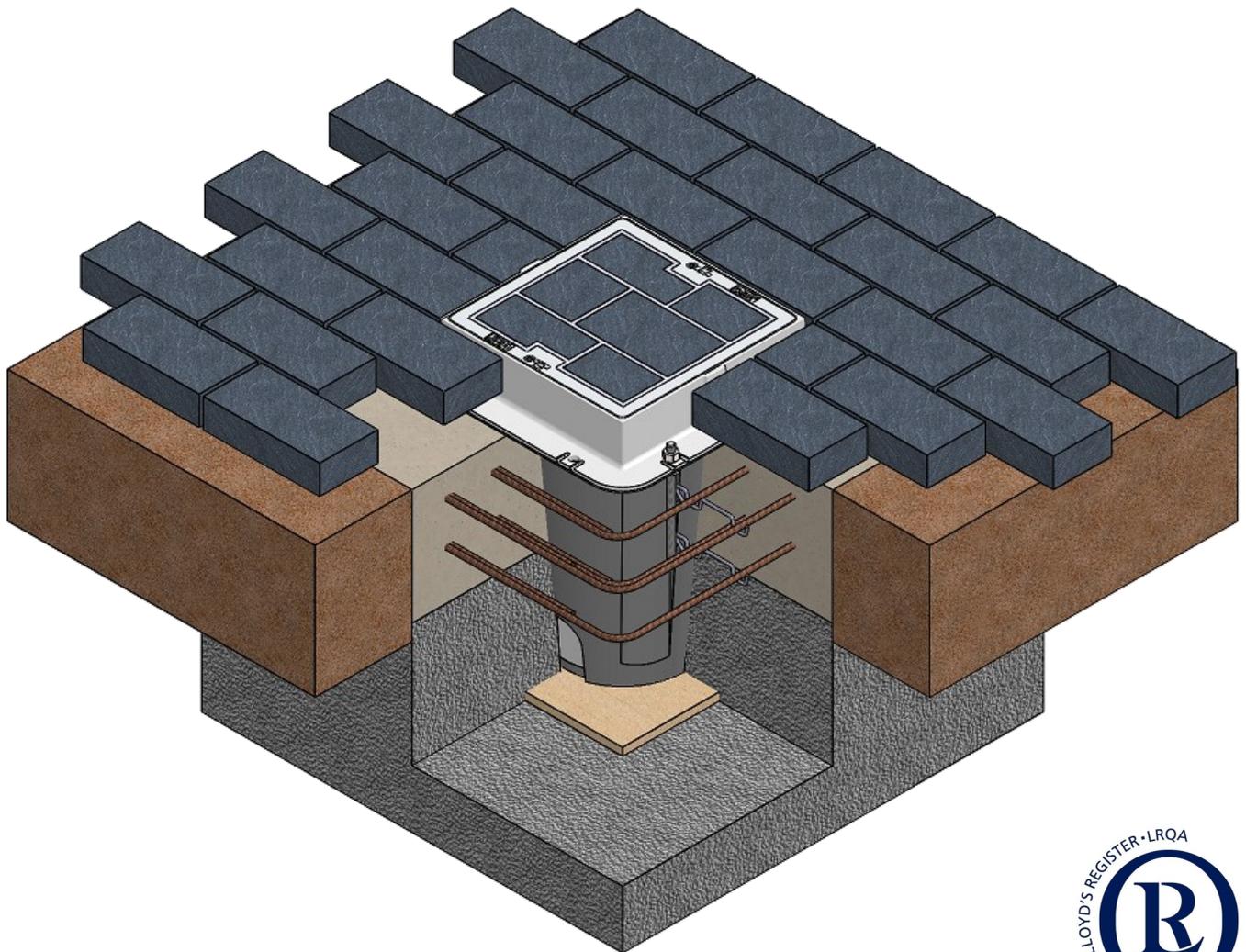Sika Technology Limited

![Sika logo]

Aluminium V-Loc Access Infill Paver Cover Set

GUIDELINES for ROADWAY TUDS INSTALLATION

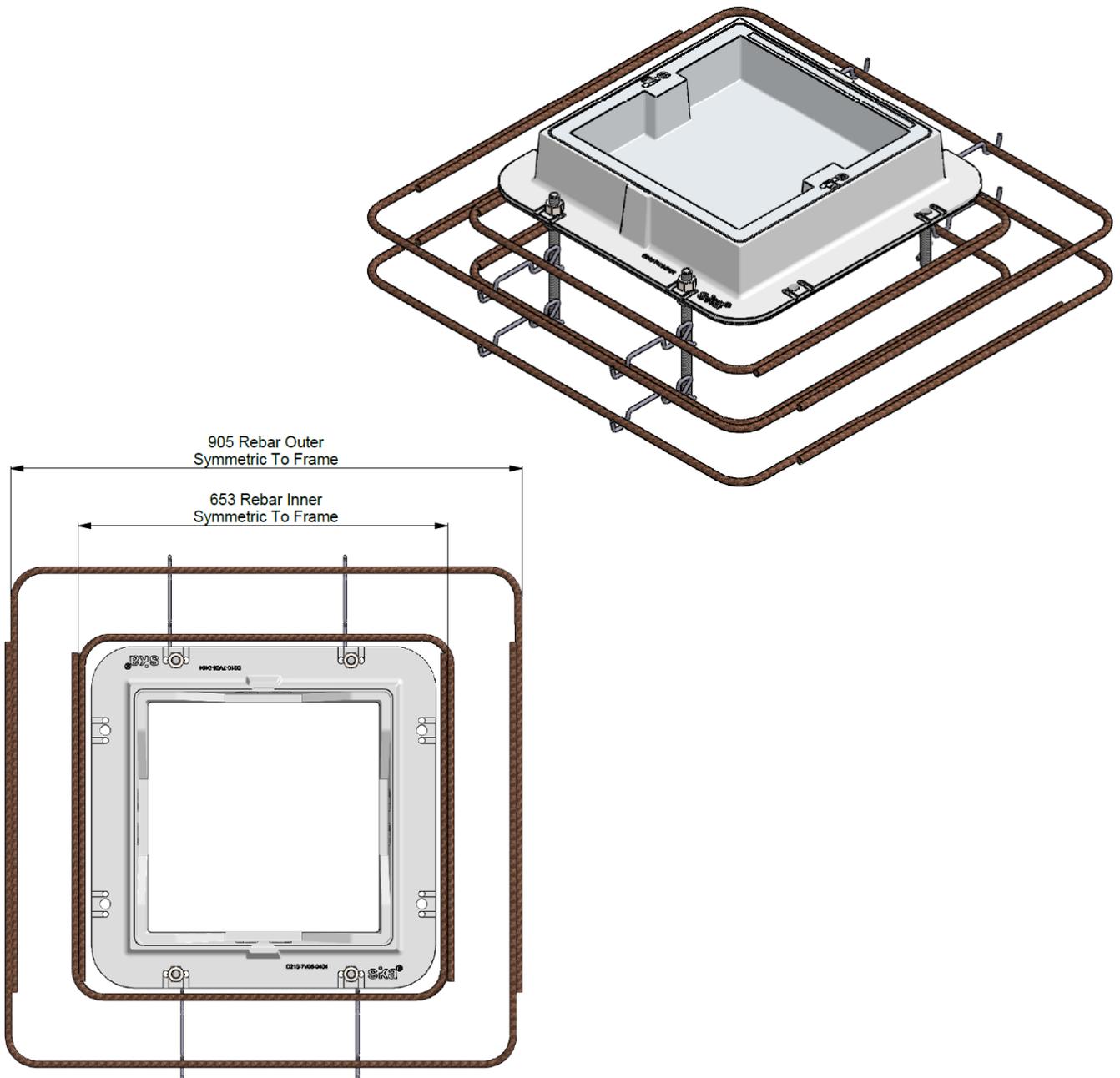Standards: V-Loc Access Cover Set Complies with AS 3996 Class D Loading

ISO 9001

Roadway Installation

1. <u>Reinforcing Steel</u>

   Fix the 4 - adjustable **anchor assemblies** to the Frame as shown in Fig 1 using the 4 - M16 hex nuts provided. Position the rebar sections so that they sit symmetrically about the frame. Tie the rebar to the hangers.
   Ref Fig 1

Fig 1

Roadway Installation

2. Place the TUDS into the prepared pit and make level on compacted hard fill to accommodate the TUDS base at the required height so that the cover set frame sits flush with the finished ground level. Sika Roadway cover sets can be set at any angle to the traffic direction.

   Compacted bedding of minimum depth 150 mm is to be used. *Ref Fig 2*

3. <u>Concrete Collar</u>

   Align the cover set frame with the surrounding pavers. Position the frame at the required height and ground slope and mount the kitset reinforcing steel to the frame. Ensure the frame is not twisted when tightening the M16 frame anchor rod nuts.

   Use minimum concrete strength 30 MPa at 28 Days complete with Sika Reinforcing Steel Kit Set. The minimum concrete support collar is 300 x 300 mm.

   The cover set cannot comply with the 210 kN loading required by AS:3996 Standards without the correct concrete support. The distribution of concrete under the load bearing face of the frame must be complete (no voids). Use a portable concrete vibrator.

4. <u>Backfill</u>

   Roadway excavation material must be removed from the site. Backfill with mechanically compacted layers of GAP 40 hard fill.

5. Lock covers into the frame by clockwise rotation of the M10 hex socket QT Latches to 70 Nm of torque before grouting the frame. Note that these are not removable bolts.

6. Full grout under the frame and ensure there are no voids.

   The cover set cannot comply with the 210 kN loading required by AS:3996 Standards without the correct support.
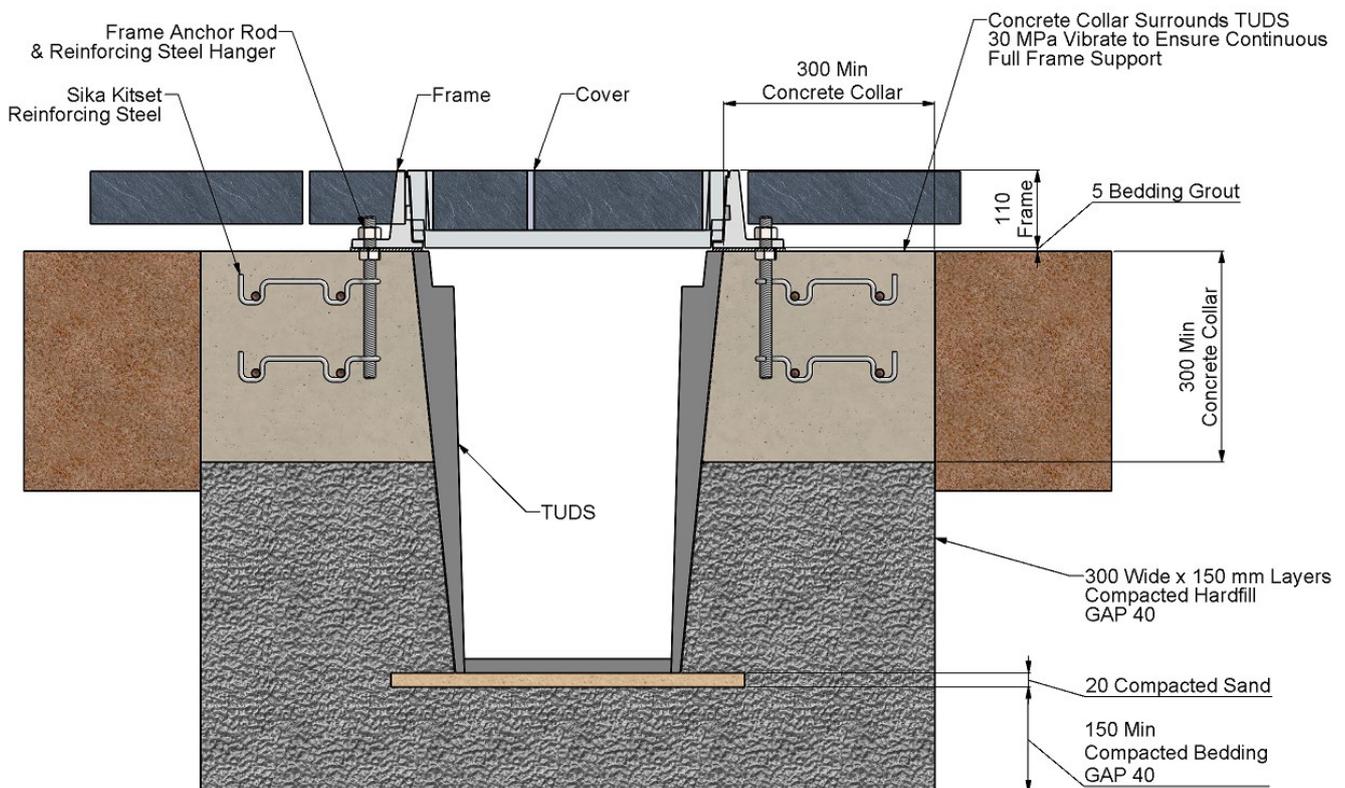

Fig 2