Design Sheet - Ancon Balcony Thermal Break

Please provide: Project details; Contact details; Design conditions; Tick all applicable boxes.

Project Details

Project name . . . . . .

Project address . . . . . .

Contact Details

Contact name . . . . . .

Company . . . . . .

Address . . . . . .

. . . . . .

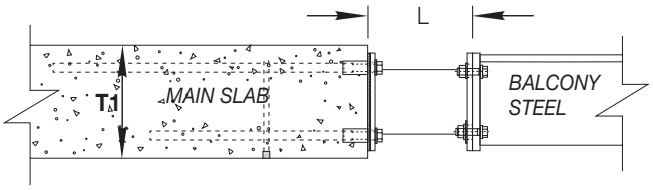
. . . . . .

Tel . . . . . .

Email . . . . . .

Design Conditions

☐ **Steel-to-Concrete Connector – ANCON STC or SSTC**



Factored shear load per connector (kN) . . . . . .

Factored moment per connector (kNm) . . . . . .

Concrete grade . . . . . .

Slab thickness T1 (mm) . . . . . .

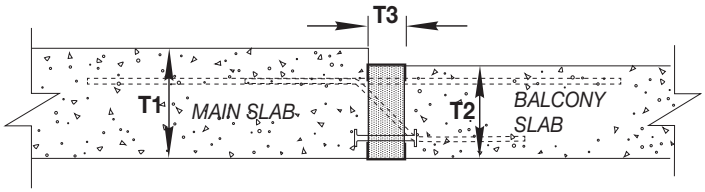
Balcony steel size . . . . . .

Bracket projection L (mm) . . . . . .

Bracket material: Carbon steel (STC) ☐

Stainless steel (SSTC) ☐

☐ **Concrete-to-Concrete Connector – ANCON ISOTEC**



Factored linear shear load (kN/m) . . . . . .

Factored linear moment (kNm/m) . . . . . .

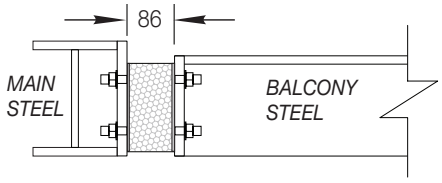
Concrete grade . . . . . .

Slab thickness T1 (mm) . . . . . .

Slab thickness T2 (mm) . . . . . .

Thermal break thickness T3 (mm) 80mm ☐ (Std) 120mm ☐ (Sp)

☐ **Steel-to-Steel Connector – ANCON STS or SSTS**



Factored shear load per connector (kN) . . . . . .

Factored moment per connector (kNm) . . . . . .

Factored tension load (kN) . . . . . .

Main steel size . . . . . .

Balcony steel size . . . . . .

Bracket material: Carbon steel (STS) ☐

Stainless steel (SSTS) ☐

Balcony Ref. . . . . . .

Please provide any additional structural sketch/information in the space below.

Loading Sketch and Drawing(s)

Relevant loading/reaction sketches attached. ☐ Relevant drawing(s) attached. ☐

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