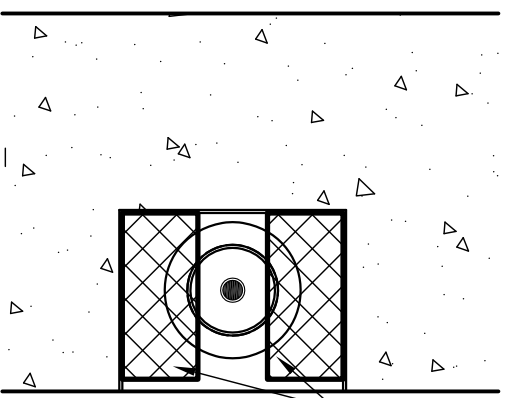


Setting out reference point is top edge of face plate



## Permanent recess former Robustness (ICL-PRF-ROB)



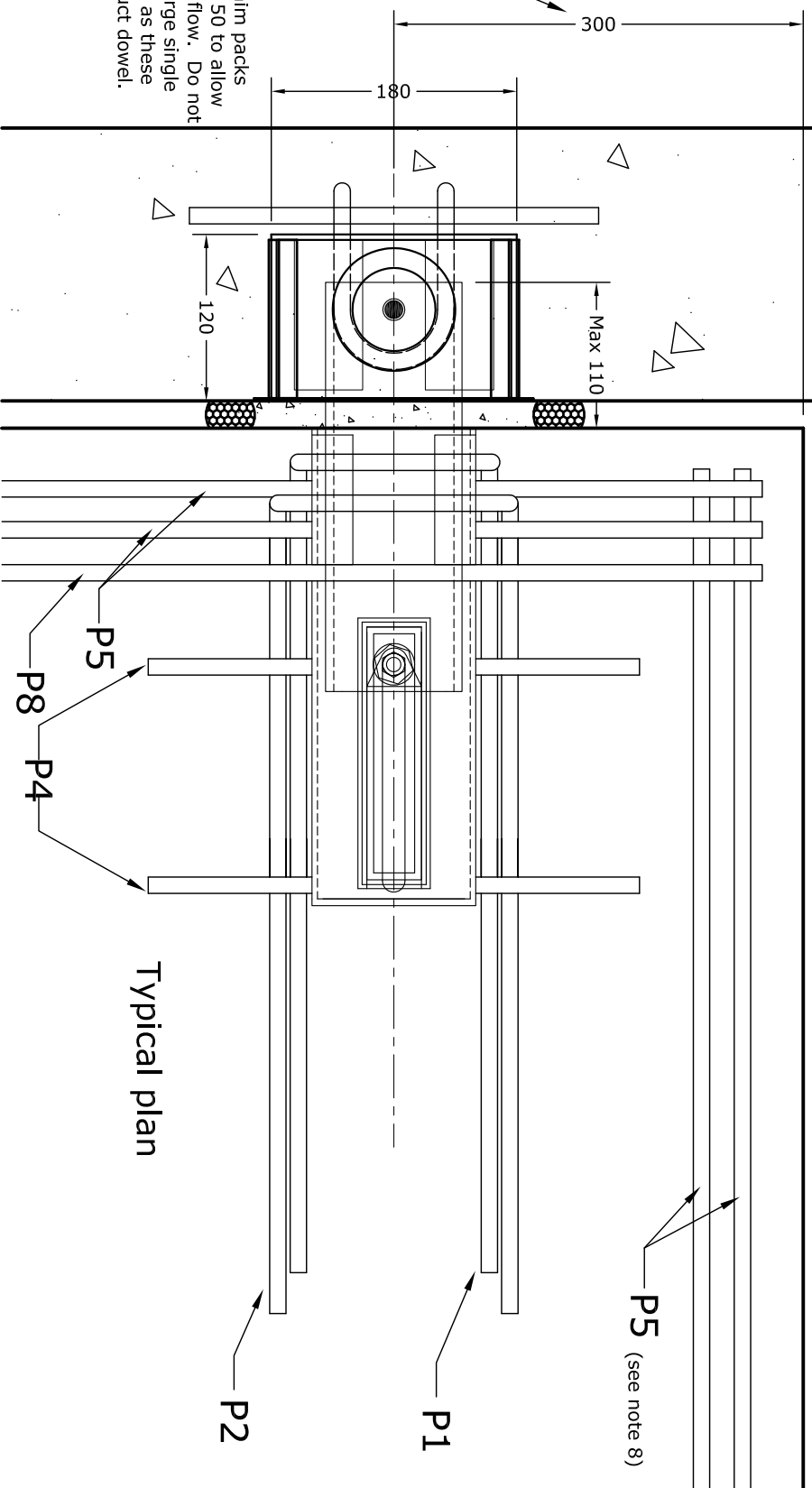
## Suggested shim layout (see note 8)

Suggested setting out to top of face plate

20 mm typical shimming

12mm dia x 300 cross-pin

12mm dia x 180 long dowel bar dropped into pocket

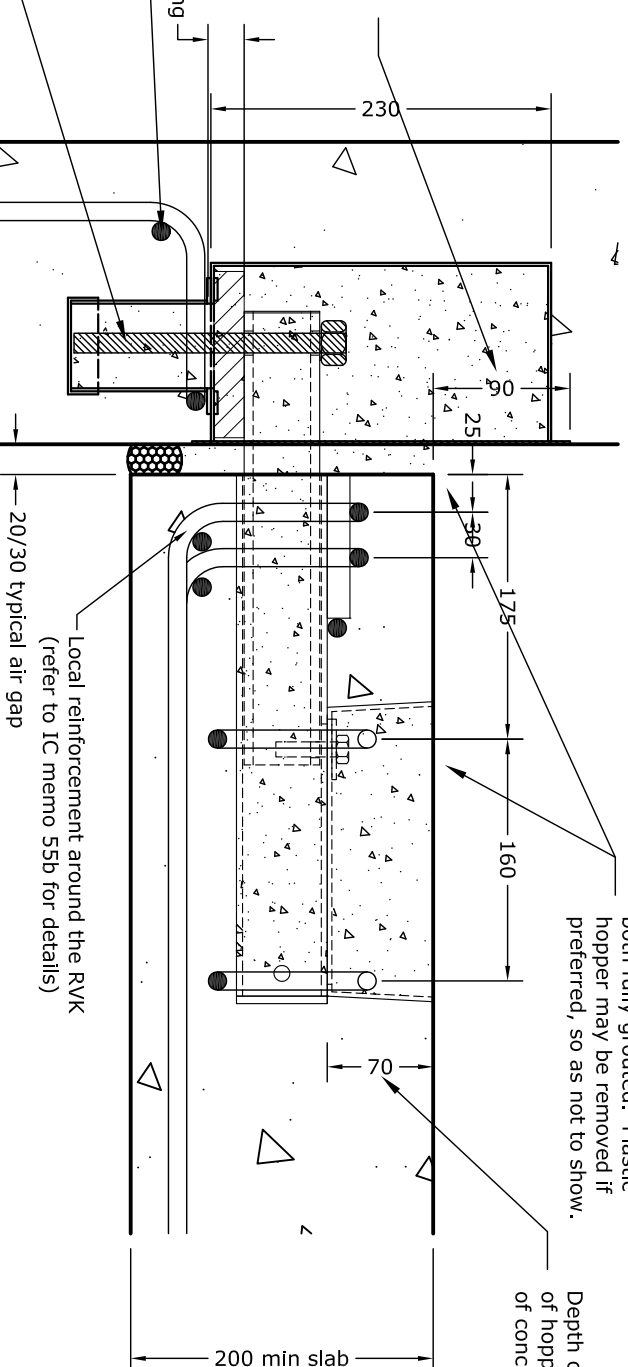


## Typical plan

20/30 typical air gap

Wall recess and RVK hopper both fully grouted. Plastic hopper may be removed if preferred, so as not to show.

Depth of RVK101-30 is fixed by top of hopper being flush with the top of concrete for all landing depths.



## Typical section

THIS DRAWING IS COPYRIGHT OF INVISIBLE CONNECTIONS LTD AND MUST NOT BE REPRODUCED WITHOUT WRITTEN PERMISSION

### NOTES

- 1 Do not scale from this drawing. If in doubt ask.
- 2 This robustness detail is only valid for RVK101-30. For details see drawing IC/PD/RVK101-30.
- 3 RVK101-30 connectors have an anchorage rating along axis of connector = 30 kN based on unfactored yield stress. Standard RVK101 connectors have a lower axial capacity and should not be used to provide axial anchorage for robustness without prior agreement with IC Ltd.
- 4 The precaster is responsible for ensuring that site details are in accordance with this drawing.
- 5 General slab and wall reinforcement is omitted for clarity. All local reinforcement for the recess former (as shown) is supplied as part of the product.
- 6 Minimum grout strength = 50 N/sqmm.
- 7 For further details of recess former see drawing IC/PD/PRF/ROB
- 8 Shim type and position must allow grout to fill the pocket at the bottom of the recess, and not obstruct the dowel bar (see detail plan).
- 9 If the landing remains propped during grouting and curing of recess, then shimming can be avoided.
- 10 It is recommended that both connector and recess former are dimensioned to a centreline and not an edge. RVK101-30 are normally set out from edge of precast, and recesses from walls or grid. When setting out recesses, account must be taken of air gaps.

A	6/6/17	Local reinforcement added Notes amended
---	--------	--

Rev.	Date	Description
------	------	-------------

CLIENT

**invisible connections™**

**Invisible Connections Ltd**  
Unit 6 Thame Fort,  
Jane Morley Road,  
Thame, Oxfordshire, OX9 3RR  
Tel: +44(0)1844 266000  
Email sales@invisibleconnections.co.uk  
www.invisibleconnections.co.uk

PROJECT  
**INVISIBLE CONNECTIONS  
STANDARD DETAILS**

TITLE  
**STANDARD DETAIL USING  
RVK101-30 WITH PREFORMED  
RECESS FORMER TYPE PRF-ROB**

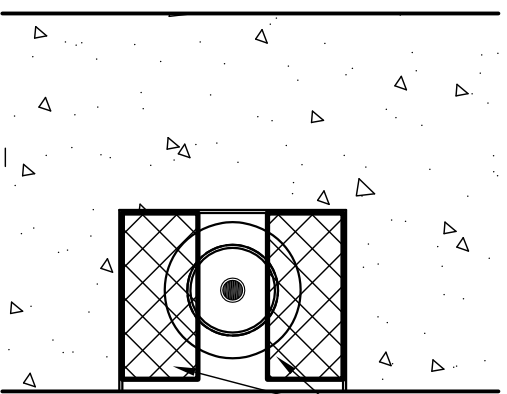
Drawn By	Approved By	Scale
CRB/OCT2016	DB/OCT2016	1:5@A3

DRG NO.	Revision
IC/SD/SD4	A

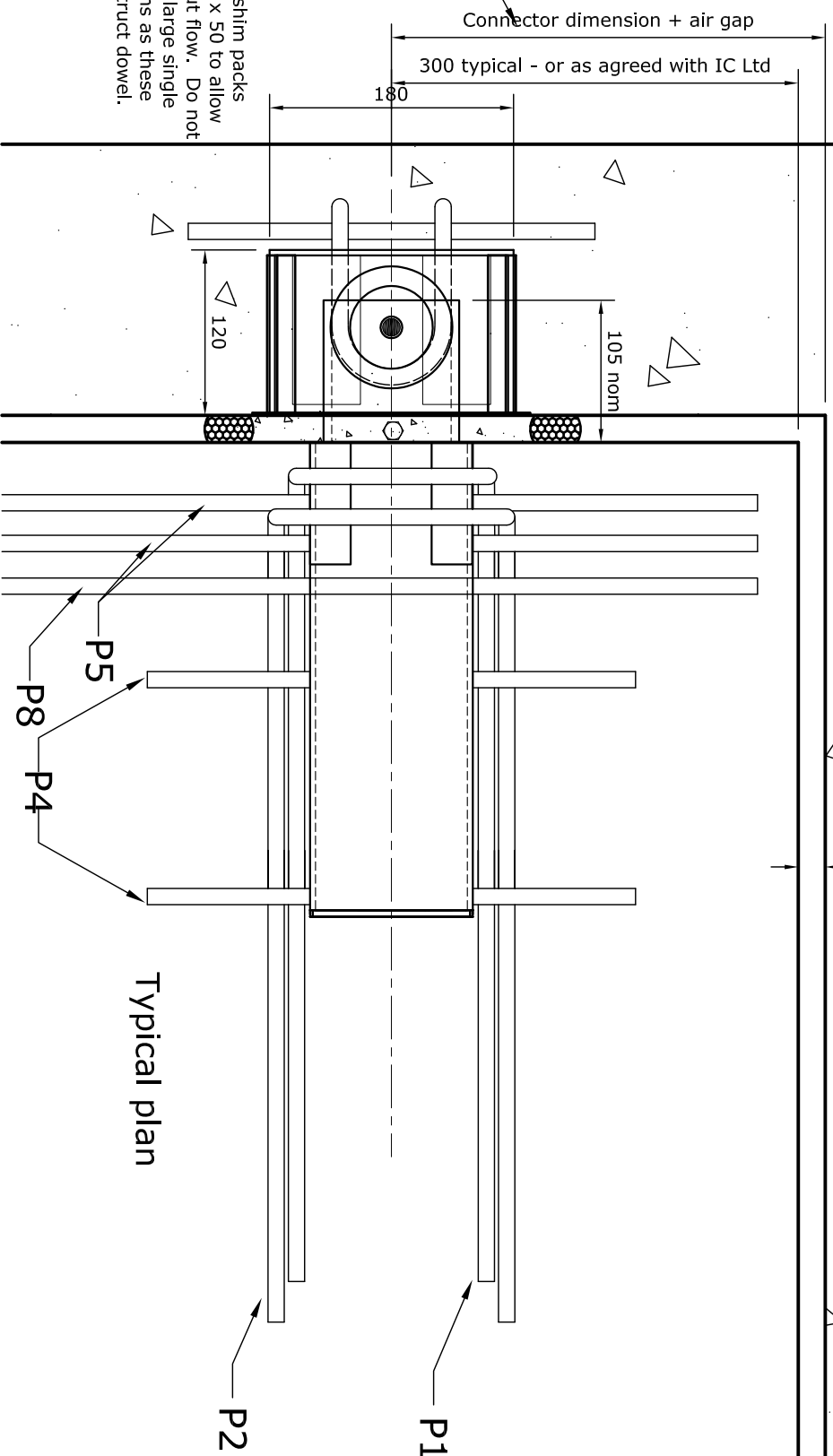


Setting out reference point is top edge of face plate

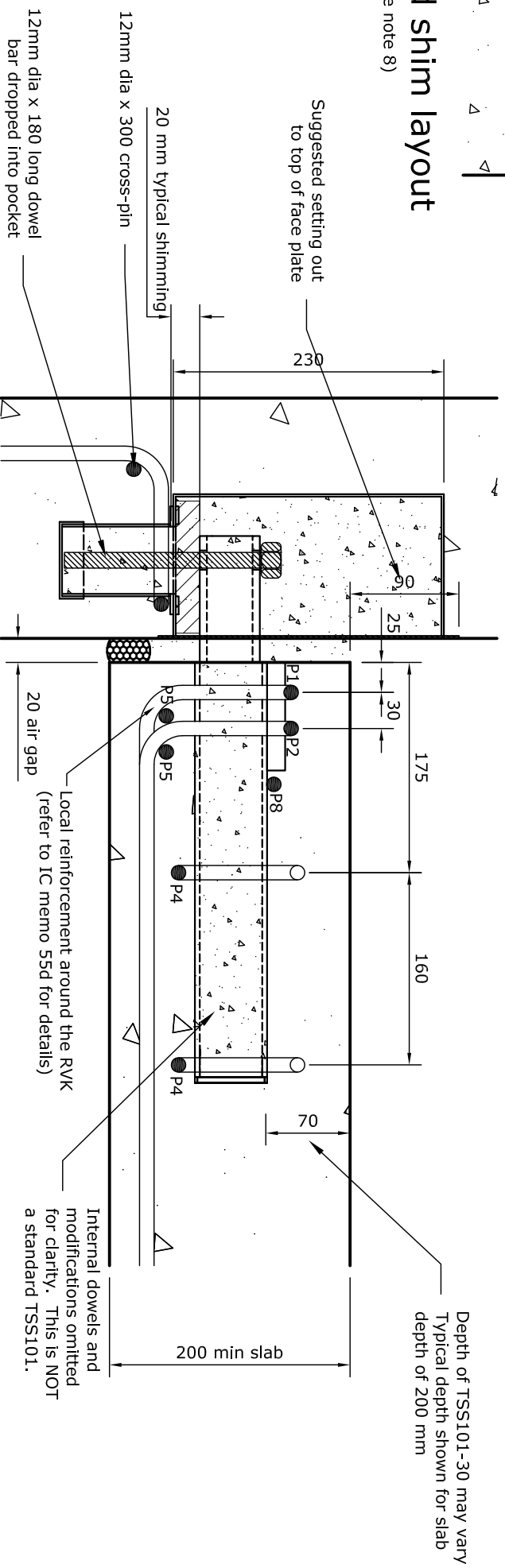
## Permanent recess former Robustness (ICL-PRF-ROB)



Typical setting out  
(see note 5)



Typical plan



Typical section

THIS DRAWING IS COPYRIGHT OF INVISIBLE CONNECTIONS LTD AND MUST NOT BE REPRODUCED WITHOUT WRITTEN PERMISSION

### NOTES

- 1 Do not scale from this drawing. If in doubt ask.
- 2 This robustness detail is only valid for TSS101-30. For details of TSS101-30 see drawing IC/PD/TSS101-30. For details of recess former see drawing IC/PD/PRF/ROB
- 3 TSS101-30 connectors have an anchorage rating along axis of connector = 30 kN based on unfactored yield stress. Standard TSS101 connectors have no axial capacity and should not be used to provide axial anchorage for robustness.
- 4 The precaster and the insitu wall contractor must coordinate setting out to ensure that the connectors and the recesses line up.
- 5 It is recommended that TSS101-30 are set out from edge of precast, and recesses from walls or grid. When setting out recesses, account must be taken of air gap.
- 6 Bar references refer to IC memo 55d. General slab and wall reinforcement is omitted for clarity. All local reinforcement for the recess former (as shown) is supplied as part of the product.
- 7 Minimum grout strength = 50 N/sqmm.
- 8 Shim type and position must allow grout to fill the pocket at the bottom of the recess, and not obstruct the dowel bar (see detail plan).
- 9 If the landing remains propped during grouting and curing process, then shimming can be avoided.

CLIENT



**Invisible Connections Ltd**  
Unit 6 Thame Fort,  
Jane Morley Road,  
Thame, Oxfordshire, OX9 3RR  
Tel: +44(0)1844 266000  
Email sales@invisibleconnections.co.uk  
www.invisibleconnections.co.uk

PROJECT  
**INVISIBLE CONNECTIONS  
STANDARD DETAILS**

TITLE  
**STANDARD DETAIL USING  
TSS101-30 WITH PREFORMED  
RECESS FORMER TYPE PRF-ROB**

Drawn By  
CRB/APR2018

Approved By

Scale  
1:5@A3

DRG NO.  
IC/SD/SD9

Revision