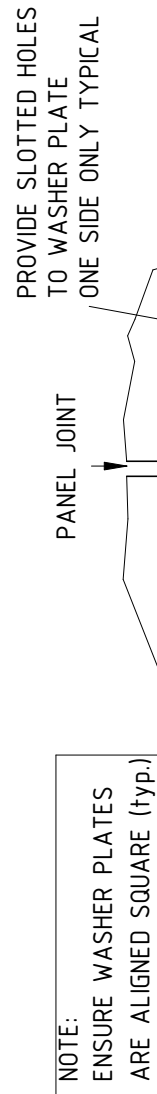


12 THK FABRICATED ANGLE BRACKET, BOLTED BETWEEN PANELS IN CORNER WITH 2M20 8/8/s BOLTS TO CAST-IN FERRULES, THROUGH EACH LEG OF ANGLE. (typ.)

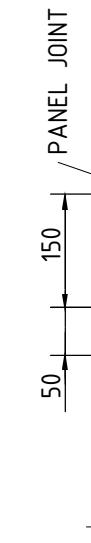


NOTE: PROVIDE 40 DIA HOLES IN EACH LEG OF ANGLE, TO ALLOW FOR TOLERANCE. (typ.)

PROVIDE 75 SQ. x 6 THK WASHER PLATE, WITH 22 DIA. HOLE. (typ.)

TYPE 'A' CONNECTION (STRAIGHT PLATE CONNECTOR) SCALE 1:20

NOTE: GENERALLY POSITION ALL PRECAST CONNECTORS BELOW ROOF STEEL, TO AVOID CLASH WITH ANY ROOF STEELWORK. WHEN PLACED ABOVE ROOF STEELWORK, ALL CONNECTORS TO BE HOT DIPPED GALVANISED.



12 THK PLATE, BOLTED ACROSS PANEL JOINT WITH 4M20 8/8/s BOLTS TO CAST-IN FERRULES. (typ.)

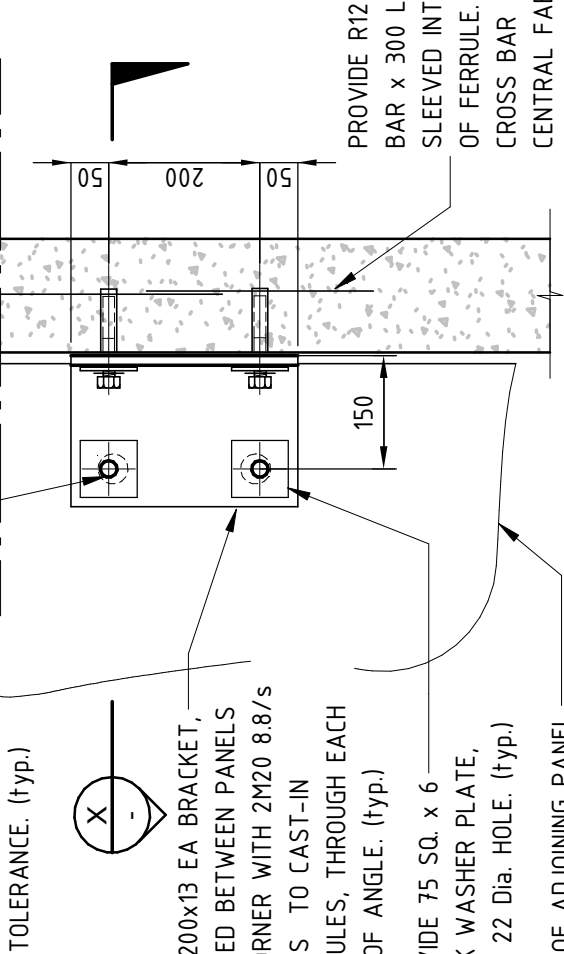
SECTION W SCALE 1:10

SECTION X SCALE 1:10

SECTION Y SCALE 1:10

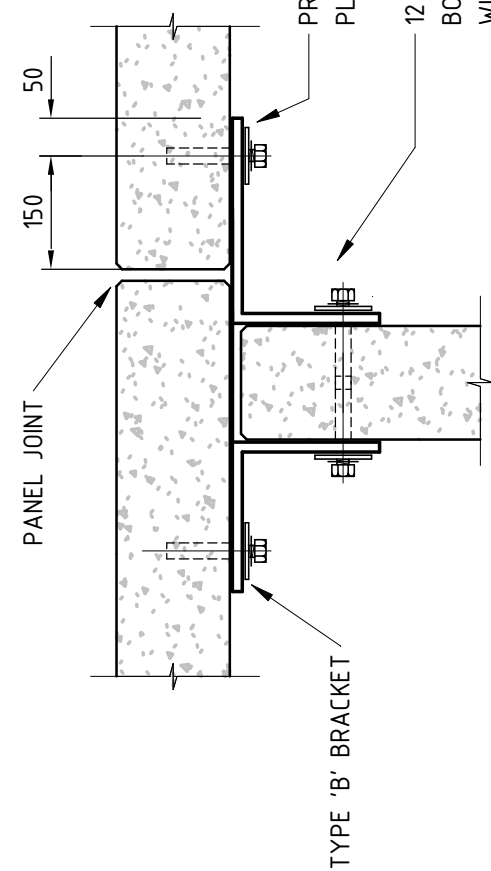
SECTION Z SCALE 1:10

TYPE 'B' BRACKET



TYPE 'B' CONNECTION (CORNER BRACKET CONNECTOR) SCALE 1:20

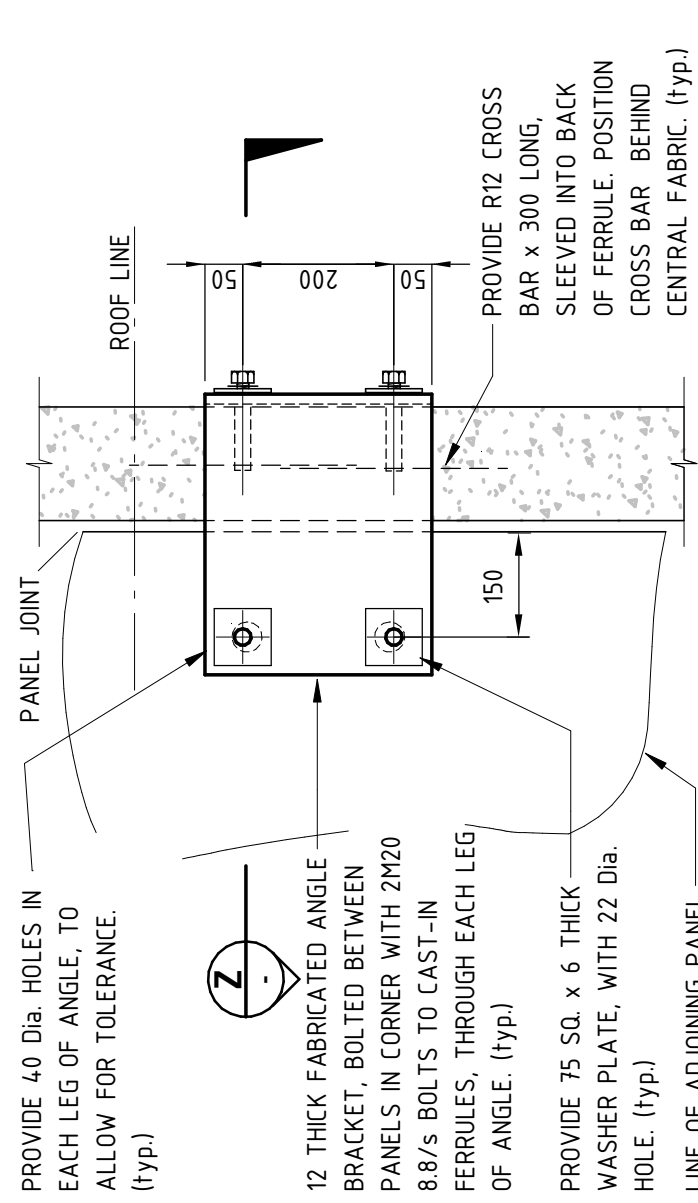
TYPE 'Bx' CONNECTION (CORNER BRACKET CONNECTOR) SCALE 1:20



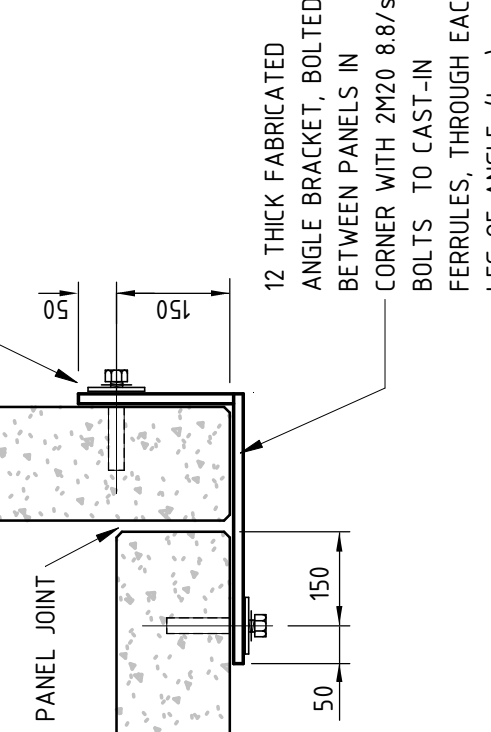
PROVIDE 75 SQ. x 6 THK WASHER PLATE, WITH 22 DIA. HOLE. (typ.)

SECTION Z SCALE 1:10

TYPE 'C' CONNECTION (CORNER BRACKET CONNECTOR) SCALE 1:20



PROVIDE 75 SQ. x 6 THK WASHER PLATE, WITH 22 DIA. HOLE. (typ.)



SECTION Z

SHOP DRAWING INSPECTION: THE SUB-CONTRACTOR SHALL PREPARE FULLY DIMENSIONED AND DETAILED SHOP DRAWINGS FOR EACH PRECAST UNIT & SUBMIT 1 HARD COPY TO THE PROJECT MANAGER FOR APPROVAL. PLEASE NOTE THAT INSPECTION OF SHOP DRAWINGS WILL NOT BE UNDERTAKEN BY THIS OFFICE IF ELECTRONIC COPIES (PDF-S) ARE SUPPLIED ONLY.

PRECAST/TILT-UP CONCRETE NOTES

P1 THE LOCATION AND DETAILS OF THE PANEL LIFTING POINTS AND TEMPORARY PANEL BRACING DURING CONSTRUCTION ARE TO BE PROVIDED BY THE PRECAST/TILT-UP PANEL FABRICATOR AND ARE TO BE DESIGNED TO SUIT THE PROPOSED METHOD OF ERECTION.

P2 PROVIDE CAST-IN FERRULES FOR PANEL FINISHES AS PER DRAWINGS. FERRULE SIZES AS NOTED ON THE DRAWINGS. PROVIDE 1/2R ANCHOR x300mm LG. THROUGH EACH FERRULE.

P3 FOR PANEL SET OUT DIMENSIONS, INCLUDING REBATES, GROOVES, CHAMFERS AND PENETRATIONS, REFER TO THE ARCHITECT'S DRAWINGS.

P4 PANEL THICKNESS 150mm (UNO.), CONCRETE STRENGTH 40MPa.

P5 IT IS THE RESPONSIBILITY OF THE PRECAST/TILT-UP SUPPLIER TO ENSURE THAT THE PANELS DO NOT CRACK DURING MANUFACTURE, HANDLING AND ERECTION. PROVIDE ANY ADDITIONAL REINFORCEMENT AS NECESSARY.

P6 IT IS THE CONTRACTOR'S RESPONSIBILITY TO MANUFACTURE, TRANSPORT AND ERECT THE PANELS IN A WAY WHICH DOES NOT OVERSTRESS OR CRACK THE PANELS. MINIMUM WORKING DESIGN CONCRETE STRENGTH IS F'c=40MPa

THE PRECAST SUPPLIER SHALL COORDINATE ALL FERRULE AND/OR DRILLED ON SITE ANCHOR LOCATIONS WITH THE STEEL FABRICATOR. REFER TO ARCHITECT'S DWGS. FOR REBATES, REGENTS ETC. FOR FLASHINGS.

P7 TEMPORARY PROPS TO PANELS ARE NOT TO BE REMOVED UNTIL ALL STEELWORK (INCLUDING ROOF BRACING) HAS BEEN ERECTED, PLUMBED & FIXED.

NOTES:

1. ALL HOLES IN STRUCTURAL STEEL MAY HAVE 40mmØ OVERSIZED HOLES. PROVIDE 6mm WASHERS TO SUIT WITH APPROPRIATE 2mm CLEARANCE TO NOMINATED BOLT SIZE. OR SLOTTED HOLES WHERE NOMINATED. WHERE CONNECTION BRACKETS ARE CARRYING VERTICAL LOAD (PANELS WITH UNSUPPORTED BOTTOM EDGE) ALL WASHERS TO BE WELDED WITH 5mm FILLET WELD ALL ROUND.

NO CLAIM WILL BE ACCEPTED FOR RE-WORK OF STRUCTURAL STEELWORK DUE TO 'OUT-OF-ALIGNMENT' OF FERRULES AND CONNECTIONS.

2. ALTERNATIVE BRACKET DETAILS WILL NOT BE APPROVED.

LEGEND:

Ⓐ Ⓑ Ⓒ Ⓓ DENOTES PANEL/PANEL CONNECTIONS. REFER DETAILS ON THIS DRAWING

ALL PANELS VIEWED FROM OUTSIDE.

Issue	Date	Issued For Construction	Revision	By
01				Issue

PT Design Associates Pty Ltd 141-149 (Fould St Adelaide SA 5000)
T (08 8412 4300) F (08 8232 4311) E [pdesign@pdesign.net.au]

Designer	RVW	Drawn	BEZ & MM
Approved		Date	04/10/2019
STRUCTURAL		Sheet	16 of 16

Project

HYDE PARK PLACE
248 UNLEY ROAD,
HYDE PARK SA

Client

CITYFY & BFC PTY LTD

Drawing Title

PRECAST DETAILS
(Sheet 2)

Drawing Number

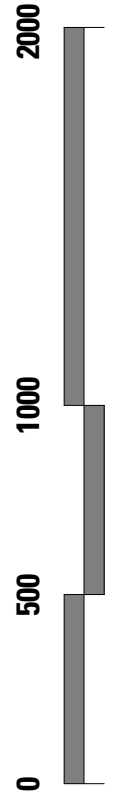
20492-S37

Issue

00

Name: P:\2018\20492-S37 Drawings
(S) Revit 2019\20492 - Structural
Model_bim-2018.rvt

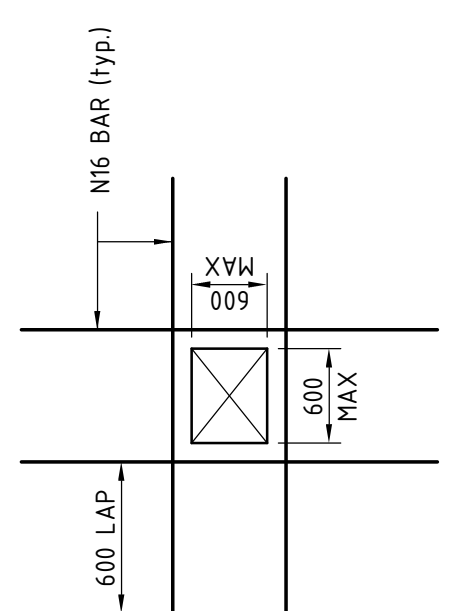
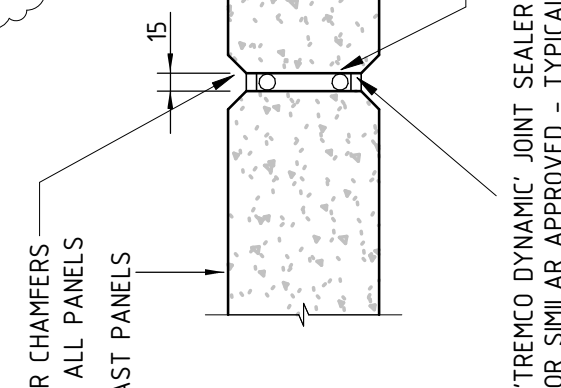
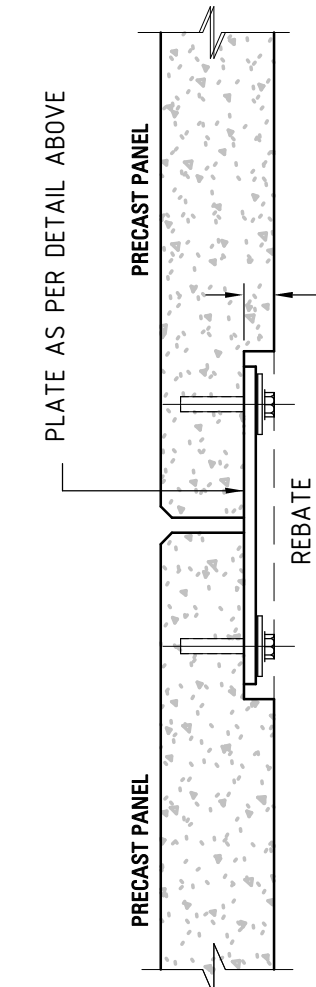
Scale 1:20 @ A1



CONNECTION TYPE 'A' (WHERE EXPOSED)

CONNECTION TYPE 'B', 'Bx', 'C' SIMILAR

NOT TO SCALE



TYPICAL SMALL PENETRATION DETAIL

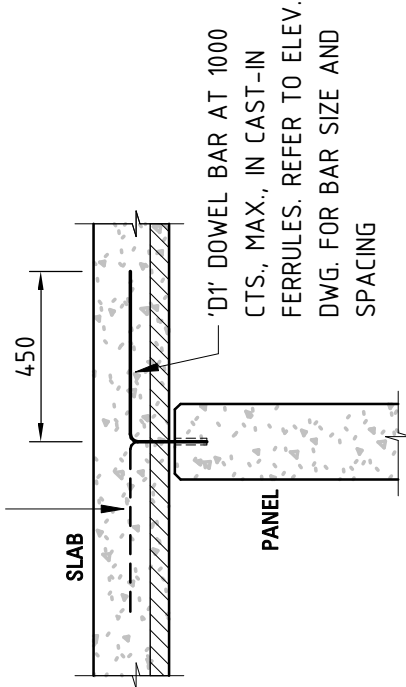
(ENSURE 300 FROM PANEL EDGE)

TYPICAL DOWEL DETAIL

TO SLAB

NOT TO SCALE

CHANGE DIRECTION OF EVERY ALTERNATE COGGED DOWEL BAR.



DOWEL SCHEDULE

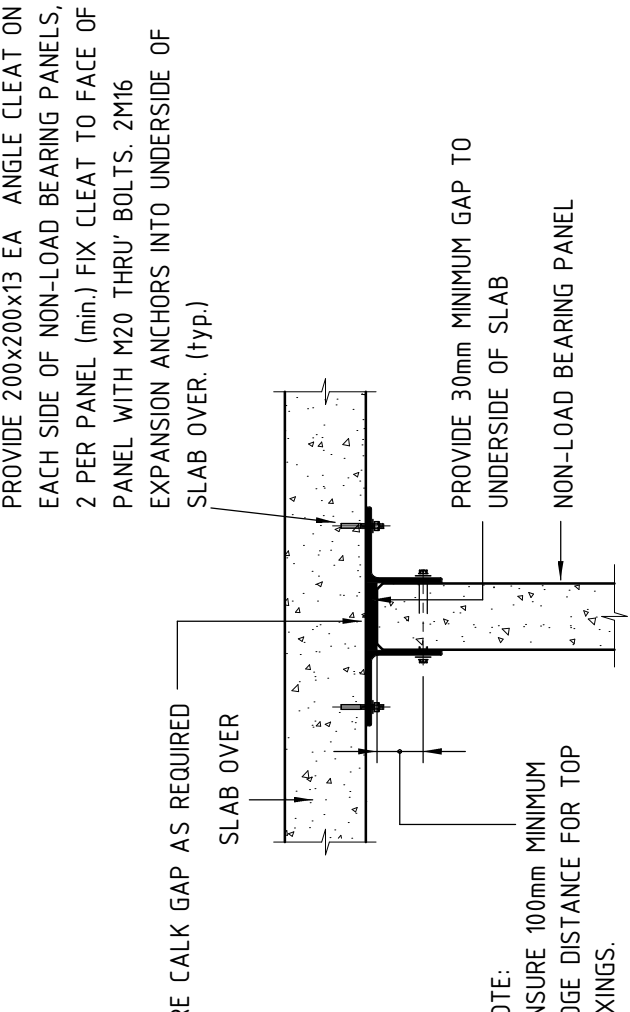
TYPE	SIZE	EMBEDMENT		PANEL TO PANEL	
		PANEL TO FOOTING	FOOTING	PANEL (UPPER)	PANEL (LOWER)
D1	N16	REFER TO ELEVATION DRAWINGS	CAST-IN DRILLED WITH HILTI RE-500 EPOXY		
D2	N20	300+300 COG	360	650	650
D3	N24	500+300 COG	450	800	800
D4	N28	500+300 COG	N/A	900	900

NOTE:

IF TOP & BOTTOM DOWEL BARS OVER LAP ADJUST LENGTH TO ALLOW 100mm GAP IN BETWEEN

TYPICAL TOP FIXING OF NON-LOAD BEARING PRECAST WALL

SCALE 1:20



PROVIDE 200x200x13 EA ANGLE CLEAT ON EACH SIDE OF NON-LOAD BEARING PANELS, 2 PER PANEL (mm.) FIX CLEAT TO FACE OF PANEL WITH M20 THRU BOLTS. 2M16 EXPANSION ANCHORS INTO UNDERSIDE OF SLAB OVER (typ.)

PROVIDE 30mm MINIMUM GAP TO UNDERSIDE OF SLAB

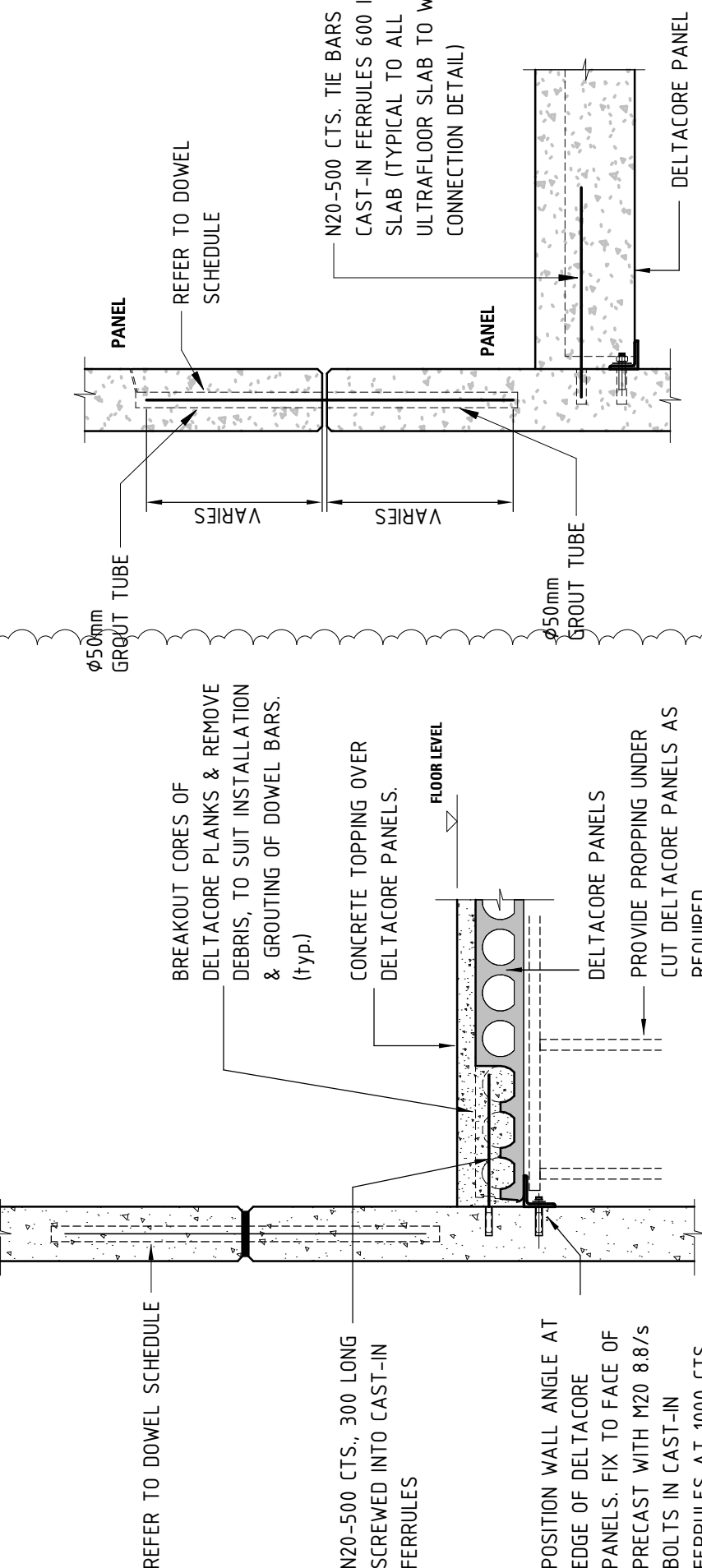
NON-LOAD BEARING PANEL

NOTE: ENSURE 100mm MINIMUM EDGE DISTANCE FOR TOP FIXINGS. (typ.)

TYPICAL DOWEL DETAIL

PANEL TO PANEL

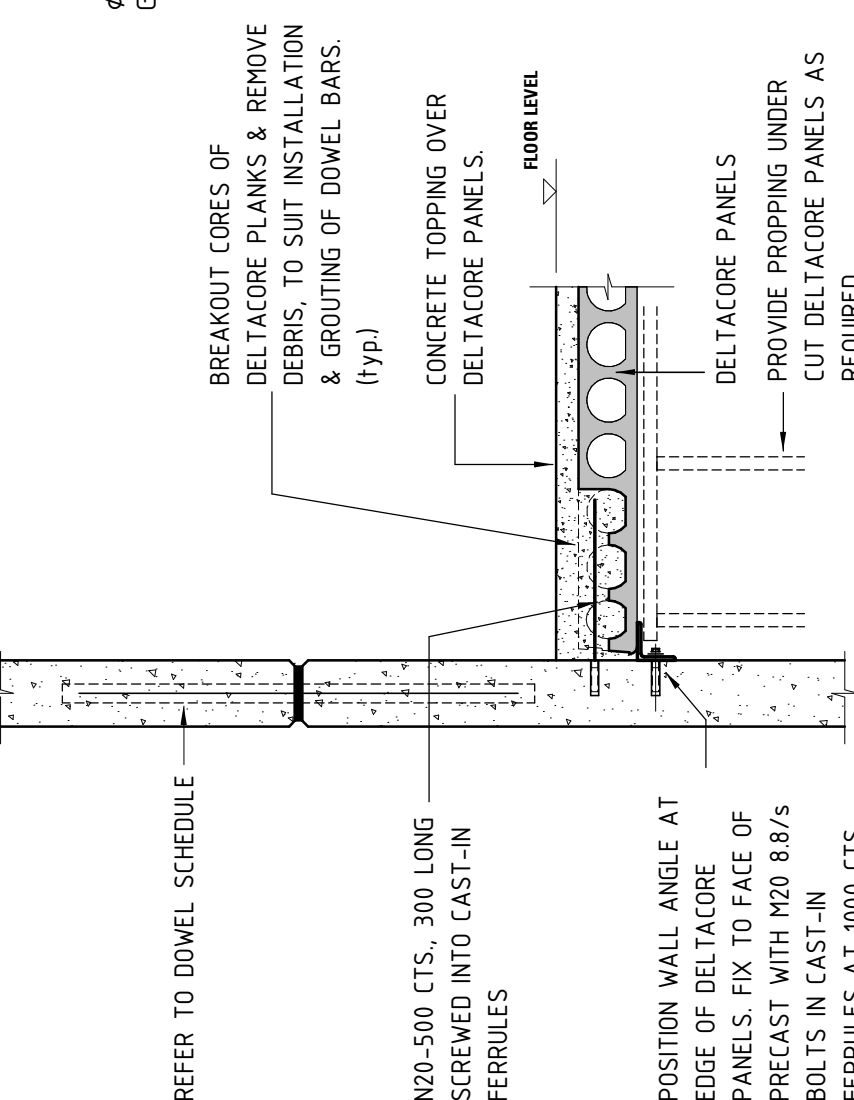
NOT TO SCALE



TYPICAL DELTACORE TO PANEL DETAIL

(WHERE DELTACORE IS PARALLEL TO PANEL)

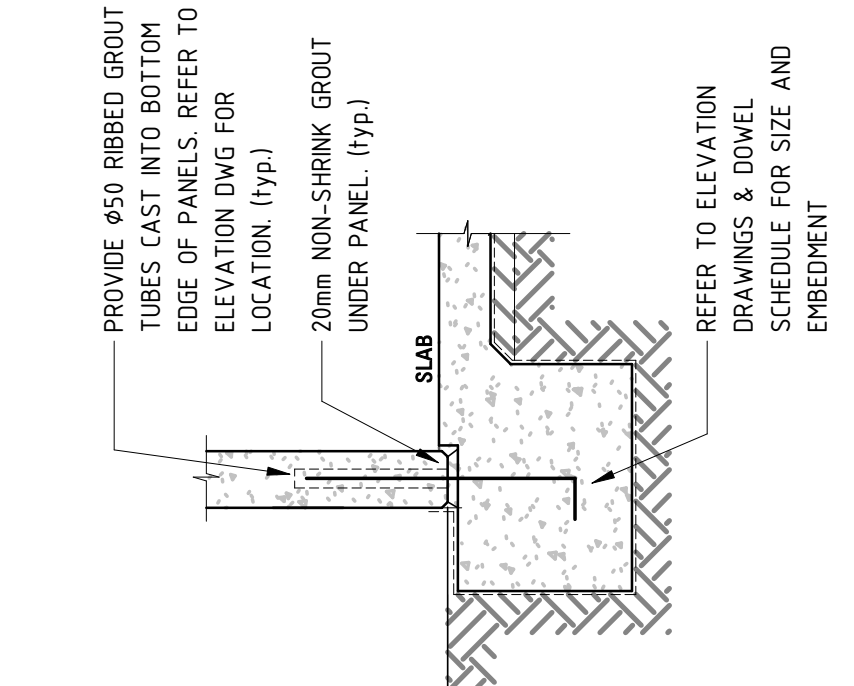
SCALE 1:20



TYPICAL DOWEL DETAIL

TO FOOTING

NOT TO SCALE



ALTERNATIVE CONNECTION

FOR LIFT & STAIR CORES

NOT TO SCALE

