

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 FIXINGS AS PER DRAWINGS. FERRULE SIZES AS NOTED ON THE DRAWINGS. PROVIDE 1/R12 ANCHOR x300mm LG. THROUGH EACH FERRULE.
- P3 FOR PANEL SET OUT DIMENSIONS, INCLUDING REBATES, GROOVES, CHAMFERS AND PENETRATIONS, REFER TO THE ARCHITECTS DRAWINGS.
- P4 PANEL THICKNESS 150mm (U.N.O.), 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 $f'_{cd}=40MPa$
- 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, REGLETS 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 40mm ϕ 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:

(A)(B)(C)(D) DENOTES PANEL/PANEL CONNECTIONS. REFER DETAILS ON THIS DRAWING
ALL PANELS VIEWED FROM OUTSIDE.

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.

DOWEL SCHEDULE

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

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

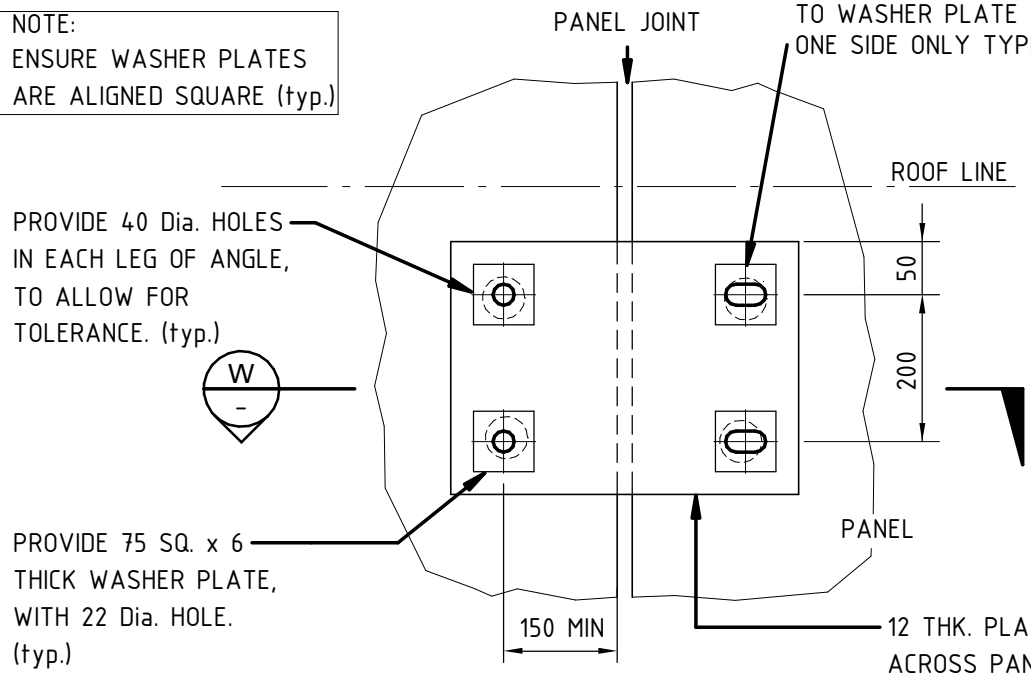
TENDER ISSUE

PT Design Associates Pty Ltd 141-149 Ifould St Adelaide SA 5000
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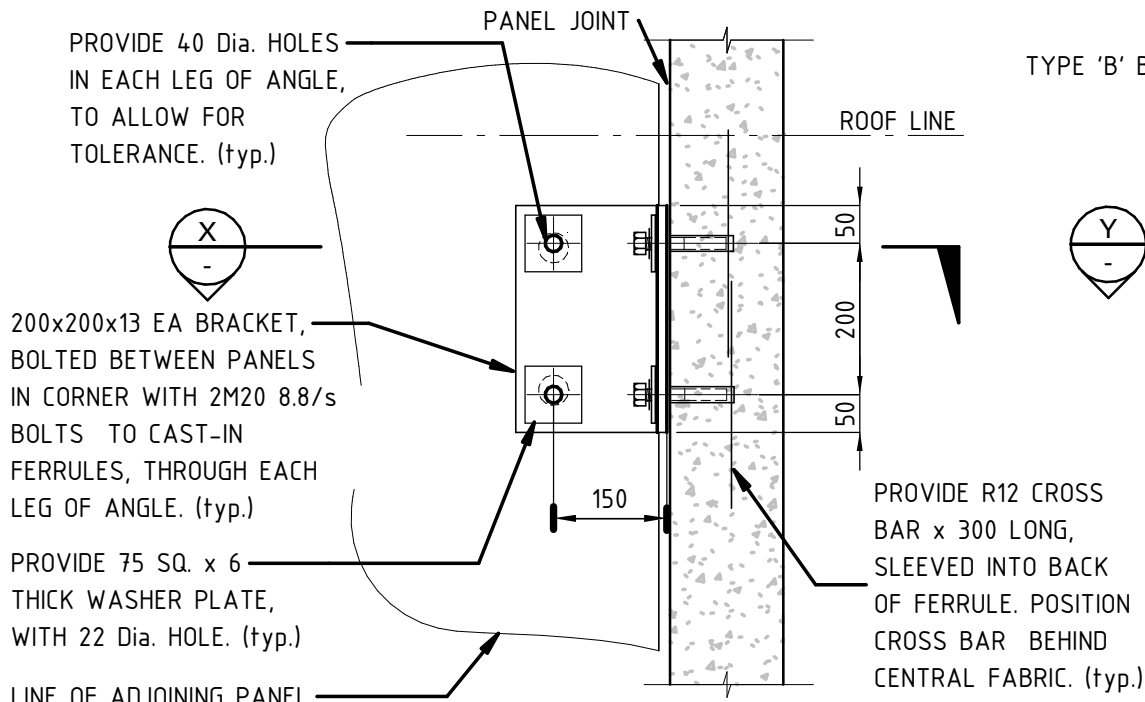
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STRUCTURAL	Sheet	16 of x	

Project HYDE PARK PLACE 248 UNLEY ROAD, HYDE PARK SA		
Client CITYFY & BFC PTY LTD	N +	
Drawing Title PRECAST DETAILS (Sheet 2)	Scale 1 : 20	
Drawing Number 20492-S37	Issue T	

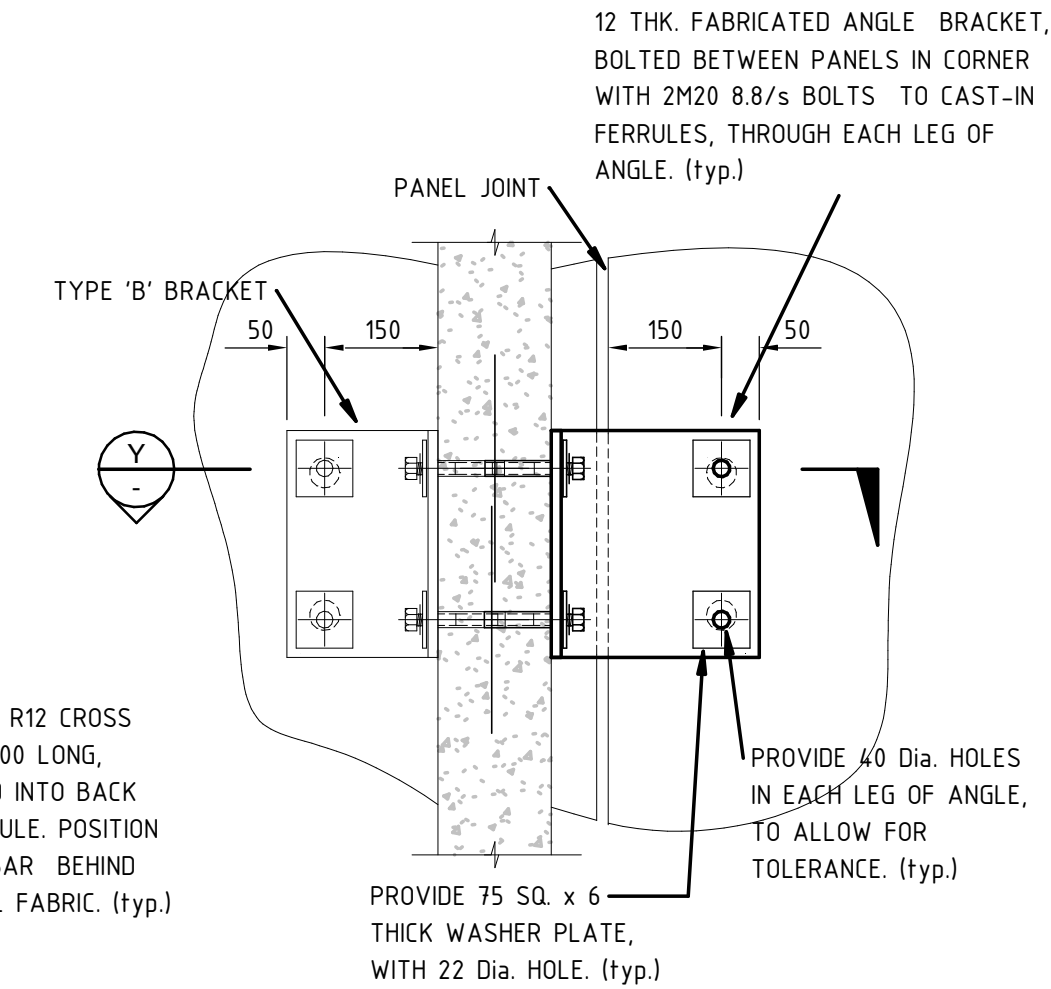
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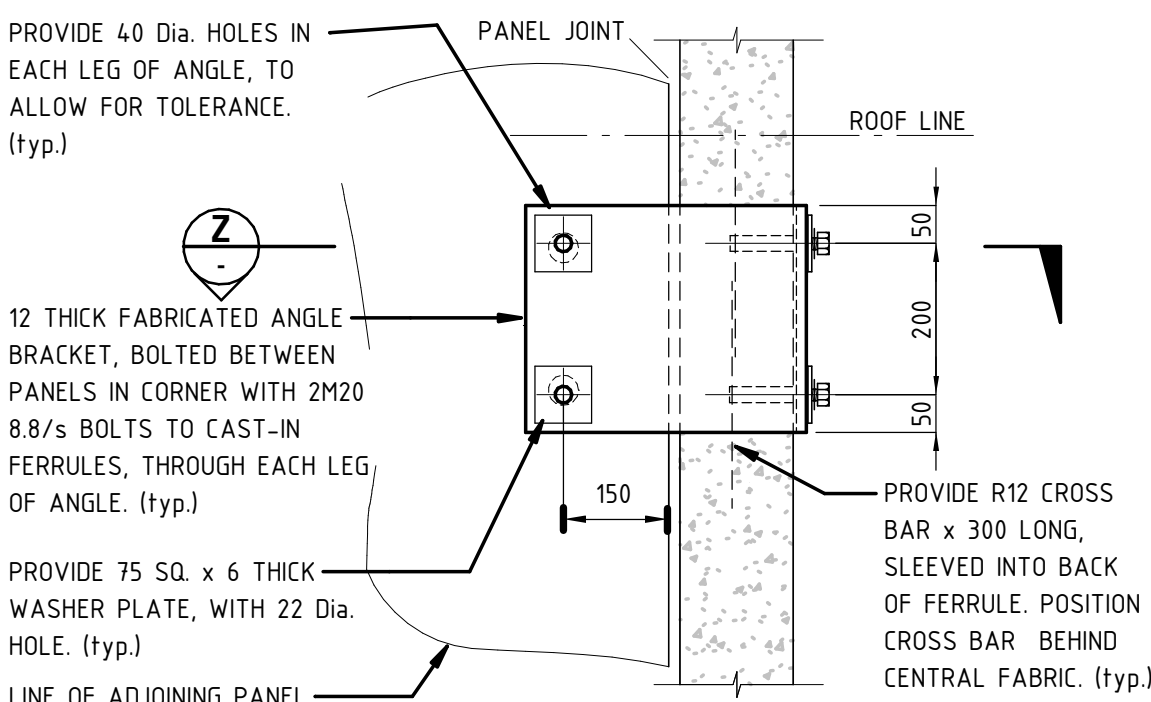
TYPE 'A' CONNECTION
(STRAIGHT PLATE CONNECTOR)
SCALE 1:20



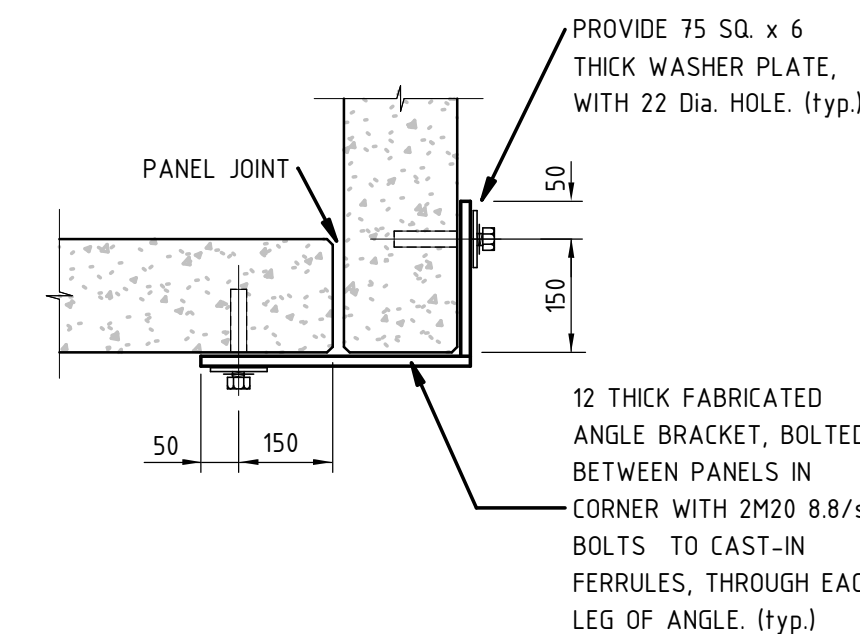
TYPE 'B' CONNECTION
(CORNER BRACKET CONNECTOR)
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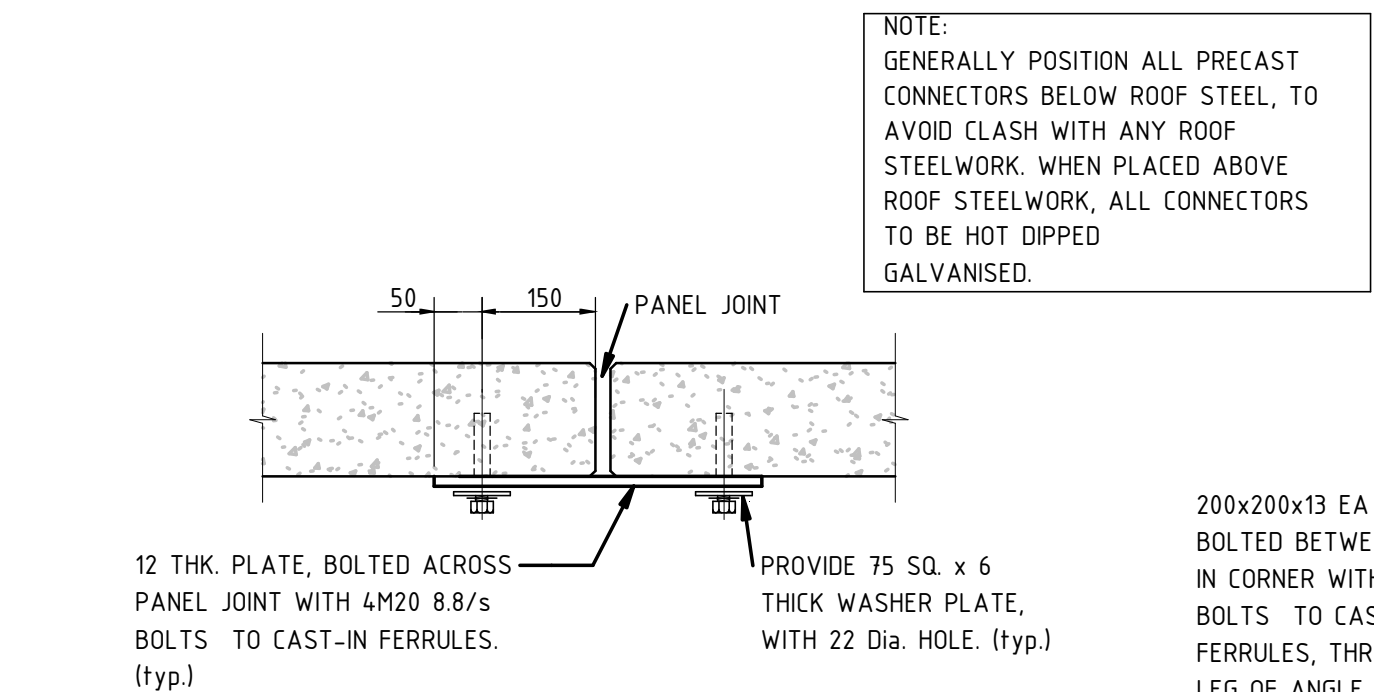
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(CORNER BRACKET CONNECTOR)
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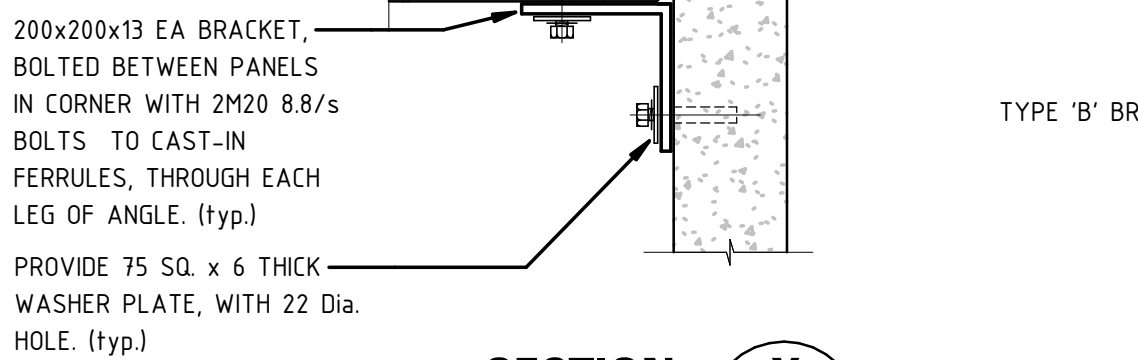
TYPE 'C' CONNECTION
(CORNER BRACKET CONNECTOR)
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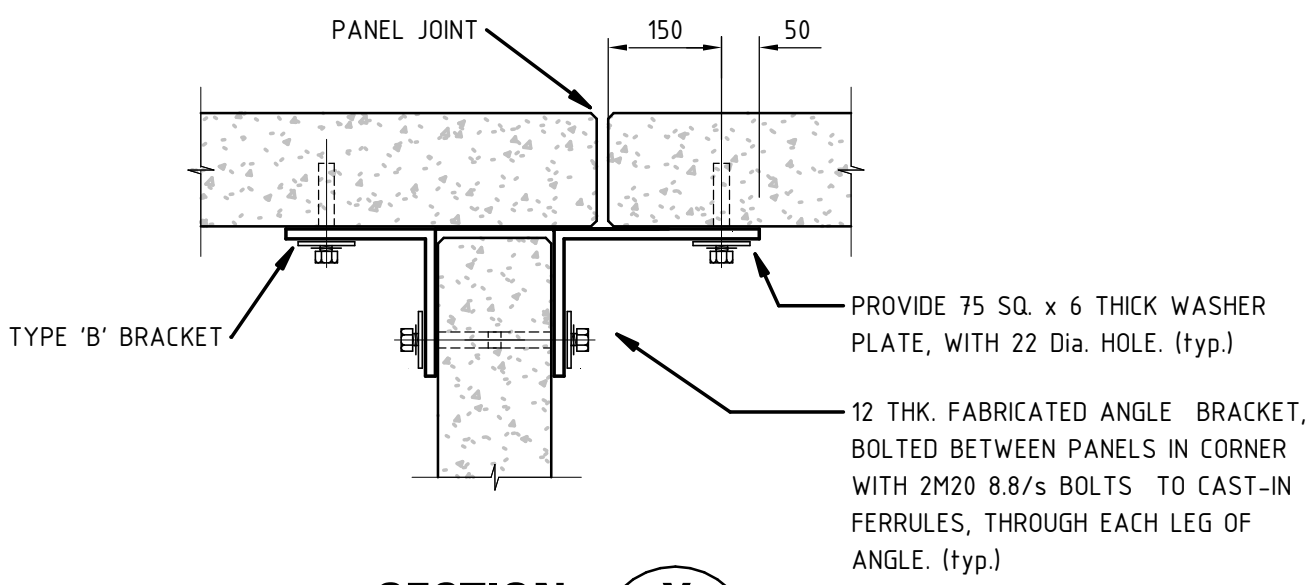
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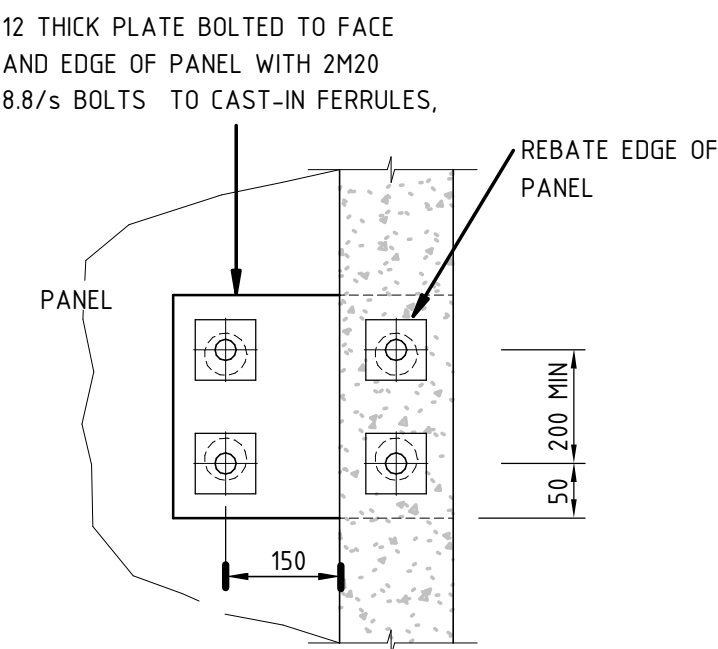
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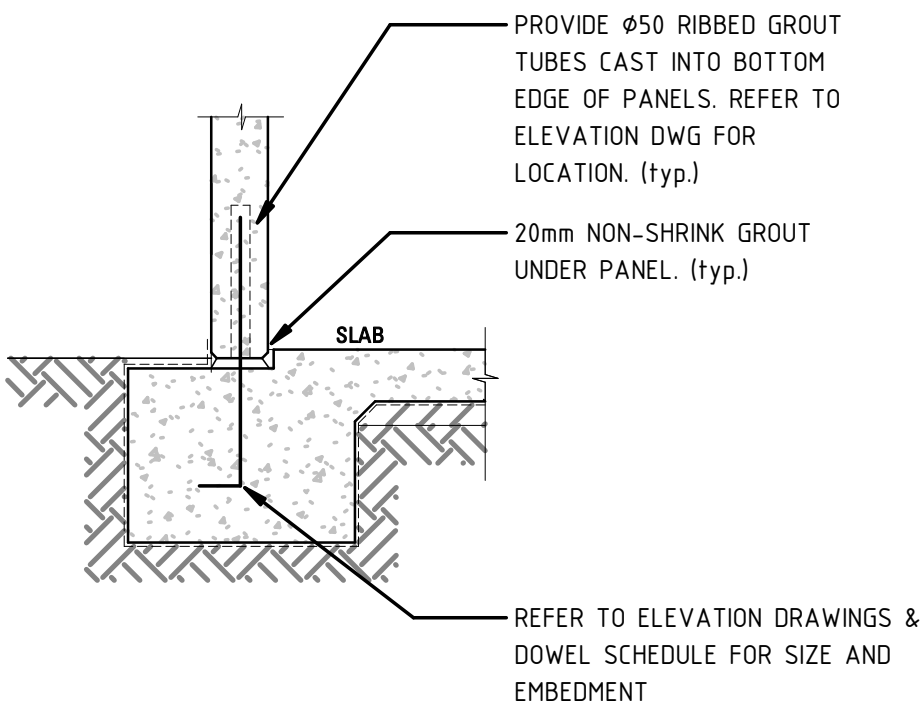
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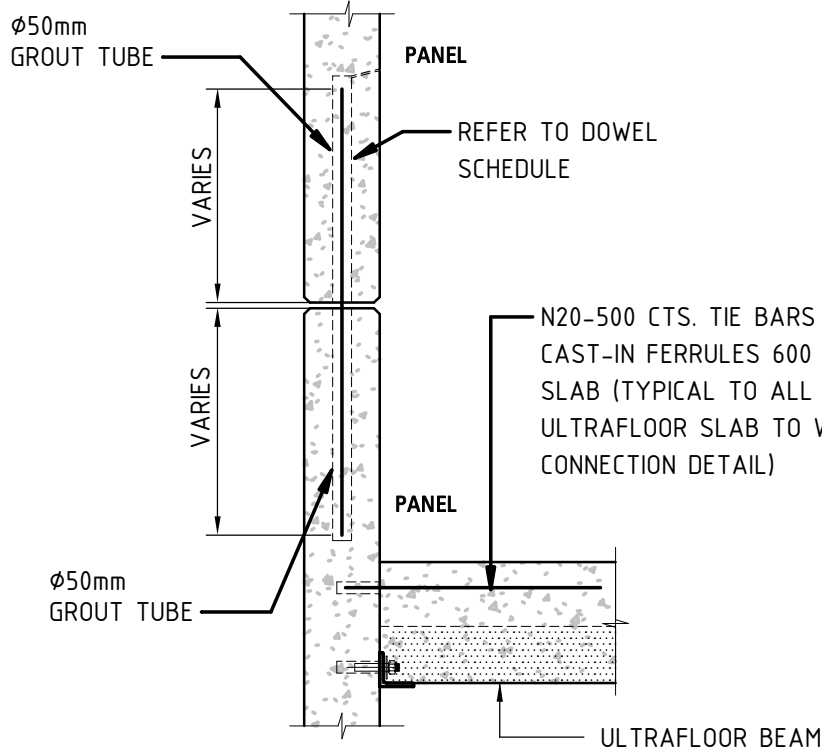
SECTION Y
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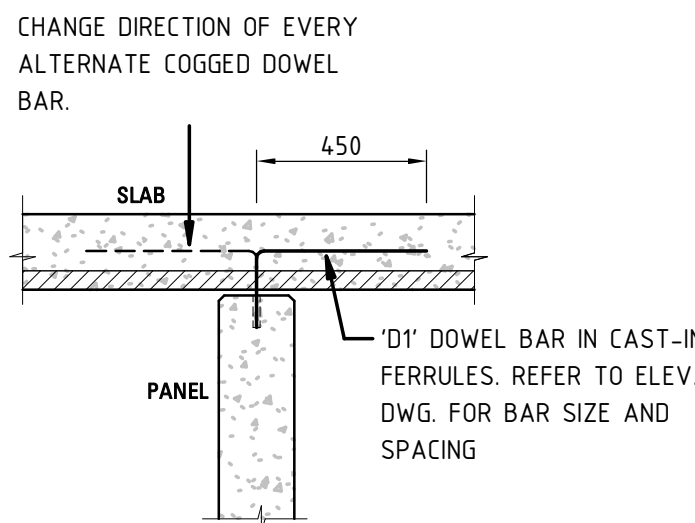
ALTERNATIVE CONNECTION
FOR LIFT & STAIR CORES
NOT TO SCALE



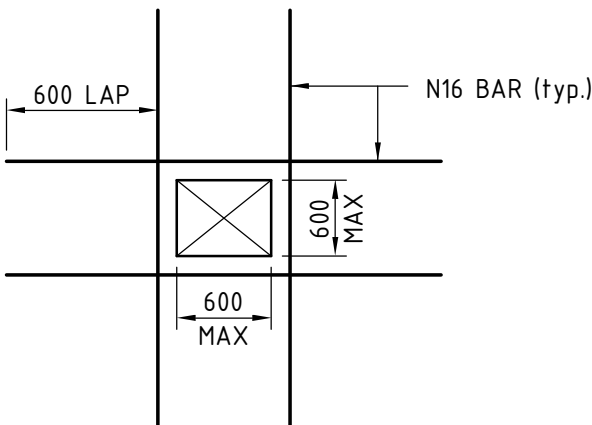
TYPICAL DOWEL DETAIL
TO FOOTING
NOT TO SCALE



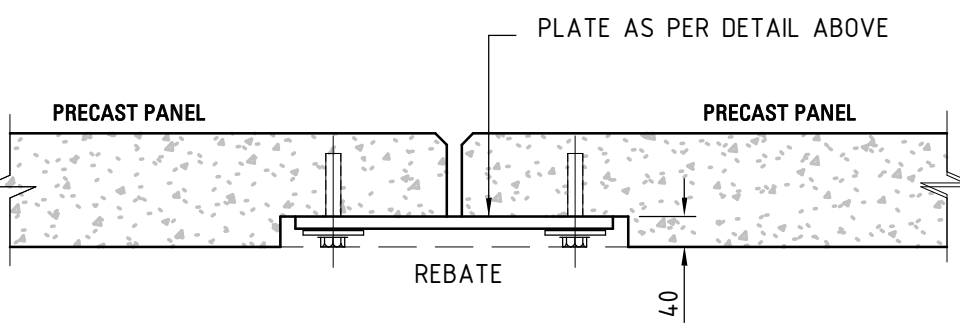
TYPICAL DOWEL DETAIL
PANEL TO PANEL
NOT TO SCALE



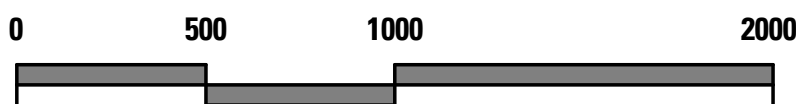
TYPICAL DOWEL DETAIL
TO SLAB
NOT TO SCALE



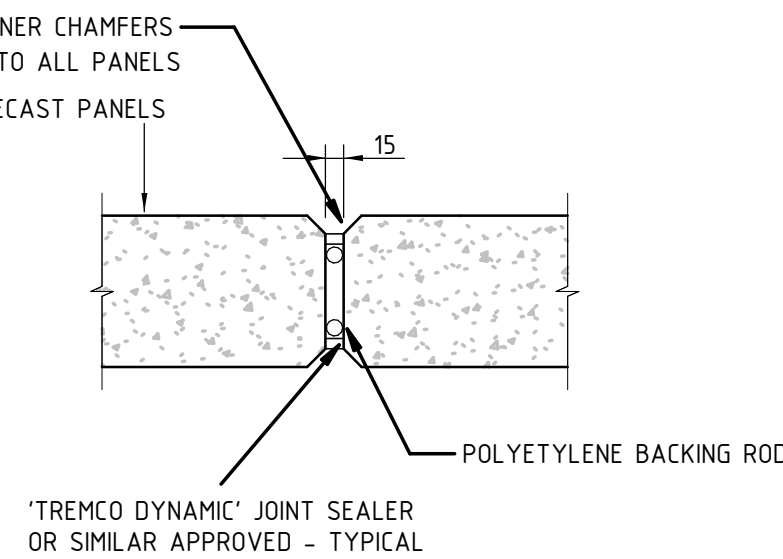
TYPICAL SMALL PENETRATION DETAIL
(ENSURE 300 FROM PANEL EDGE)



CONNECTION TYPE 'A' (WHERE EXPOSED)
CONNECTION TYPE 'B', 'Bx', 'C' SIMILAR
NOT TO SCALE



SCALE 1:20 @ A1



TYPICAL PANEL JOINT DETAIL
NOT TO SCALE
(ALL JOINTS TO HAVE A FIRE RATING EQUAL TO OR GREATER THAN THE ADJACENT PANELS)