

The **biggest name** in precast
concrete has just five letters.



DeltaFLOOR is a new innovation in permanent formwork for suspended flooring systems. With the speed of precast and the strength of prestressing, **DeltaFLOOR** is a system that saves you time and money.



Every contractor wants to reduce the amount of propping required to cast an insitu concrete slab. **DeltaFLOOR** panels can achieve clear spans of up to 4.2m without propping.



Like everything we produce here at Delta Corporation, **DeltaFLOOR** is tailored to suit your project. Although standard in 2.4m wide modules, the product can be made to suit most geometry.



Three thicknesses are available, 60mm, 75mm and 90mm depending on your requirements, with either a 60min or 90min Fire Rating. The **DeltaFLOOR** soffit is smooth off-form, ready to paint.



All this plus the backing of one of Australia's leading precast concrete manufacturers will ultimately be an advantage on your next project. Contact us to explore the options with **DeltaFLOOR**. (08) 9296 5000 or enquiry@deltacorp.com.au



DeltaFLOOR

Visit our website

www.deltacorporation.com.au

DF75, DF90 90 min Fire Rating



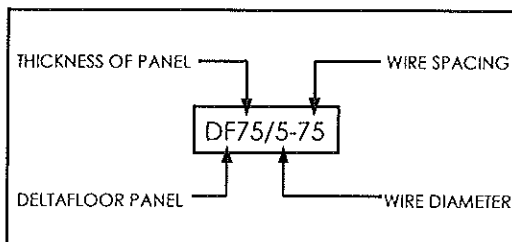
Table 1. Maximum Allowable Superimposed Live Loads (kPa)

PANEL TYPE	TOPPING THICKNESS	SLAB DEPTH	SPAN IN METRES										
			3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5			
DF 75/5 - 150/300	50	125	10.1	6.8	4.6								
DF 75/5 - 75	50	125	13.6	9.2	6.5	4.6	3.2						
DF 75/5/9.3 - 75/750	50	125	16.6	11.5	8.2	5.9	4.2						
DF 75/5 - 75	75	150	18.2	12.6	8.9	6.4	4.6	3.3					
DF 75/5/9.3 - 75/750	75	150	22.3	15.5	11.2	8.1	6.0	4.4					
DF 75/5 - 75	97	172	22.2	15.4	11.0	7.9	5.7	4.1					
DF 75/5/9.3 - 75/750	97	172	27.3	19.1	13.8	10.1	7.5	5.6	4.1				
DF 75/5/9.3 - 75/750	125	200		23.5	17.0	12.6	9.4	7.0	5.2	3.8			
DF 75/5/9.3 - 75/750	175	250		31.8	23.1	17.2	12.9	9.7	7.4	5.5			
DF 90/5 - 75	60	150		12.6	8.9	6.4	4.6	3.3					
DF 90/5/9.3 - 75/750	60	150		15.5	11.2	8.1	6.0	4.4					
DF 90/5 - 75	82	172		15.4	11.0	7.9	5.7	4.1	2.8				
DF 90/5/9.3 - 75/750	82	172		19.1	13.8	10.1	7.5	5.6	4.1				
DF 90/5/9.3 - 75/750	110	200			17.0	12.6	9.4	7.0	5.2	3.8			
DF 90/5/9.3 - 75/750	160	250			23.1	17.2	12.9	9.7	7.4	5.5			

Table 2. Maximum Un-propped Span (m)*

PANEL TYPE	OVERALL SLAB DEPTH				
	125mm	150mm	172mm	200mm	250mm
DF 75/5 - 150/300	3.00				
DF 75/5 - 75	3.10	2.90	2.70		
DF 75/5/9.3 - 75/750	3.20	3.00	2.80		
DF 90/5 - 75		3.80	3.60		
DF 90/5/9.3 - 75/750		4.00	3.80	3.60	3.20

* Maximum Un-propped Span used to determine temporary propping during construction.



- Notes:
- Concrete Topping Strength minimum 32MPa
 - Spans greater than those stated in table 2 require back propping until topping is 25MPa.

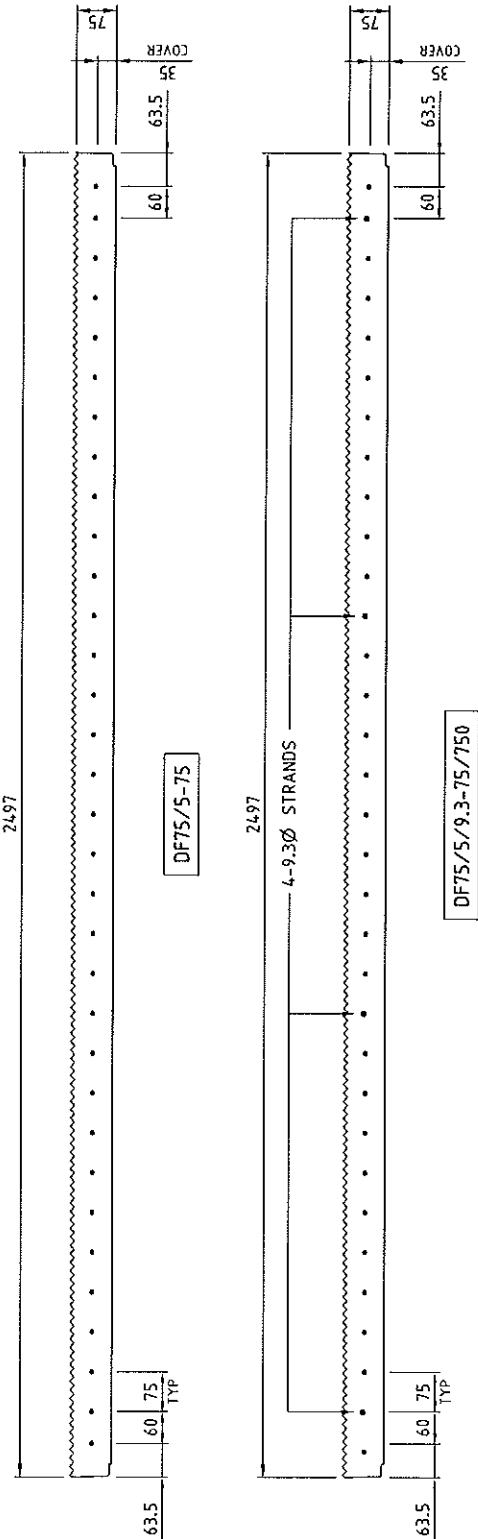
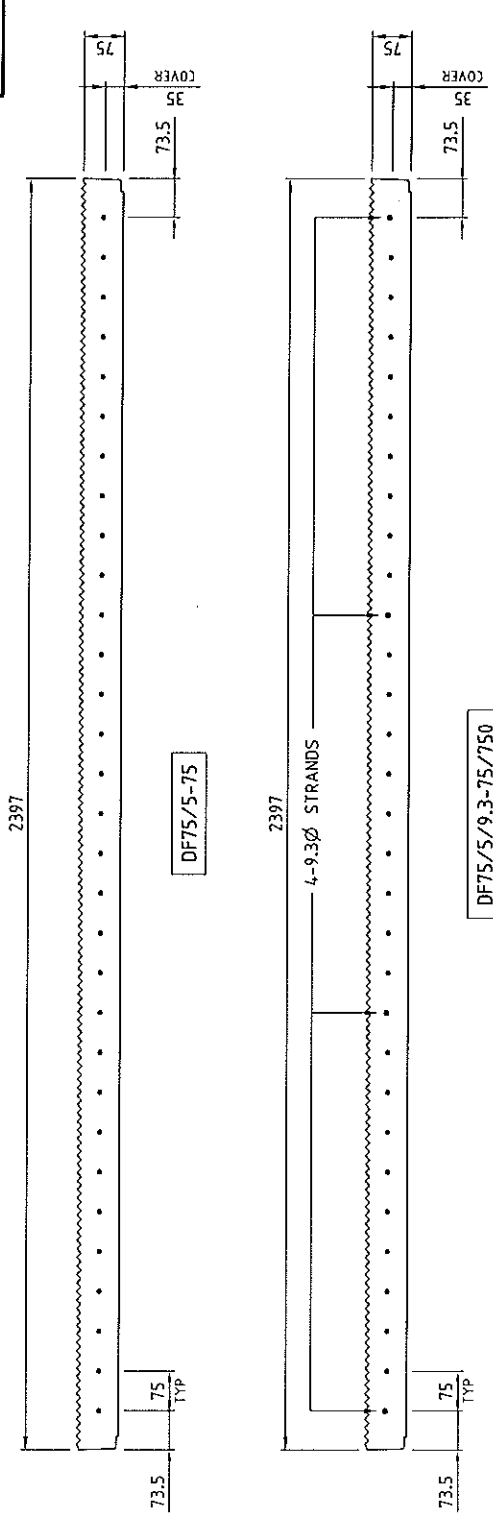
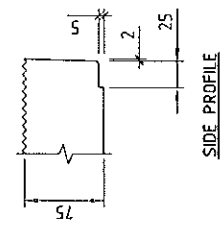
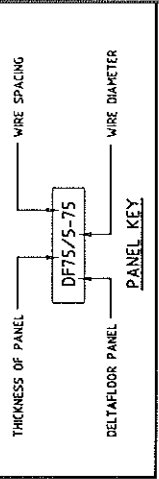
Alternative denotations: DF90/5/9.3—75/750 (DF90, 5mm wire @ 75mm centres + 9.3mm strand @ 750mm centres)
DF75/5—150/300 (DF75, 5mm wire @ 150mm centres + 5mm wire @ 300mm centres)

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GENERAL NOTES:

PANEL TYPE	DF75
BOTTOM WIRE/STRAND SIZE	5 ϕ 9.3 ϕ
PRESTRESSING FORCE AT TRANSFER	24 kN/WIRE 70 kN/STRAND
BOTTOM WIRE/STRAND COVER	35mm COVER
CONCRETE STRENGTH AT TRANSFER	30 MPa
CONCRETE STRENGTH AT 28 DAYS	50 MPa
BACK FACE FINISH	ROUGHENED TO AS 3600 REMOVE ALL LAITANCE AND LOOSE MATERIAL

GENERAL NOTES:
 -PRESTRESSING WIRE FOR DELTAFLOR PANELS SHALL CONSIST OF 5 ϕ WIRE SUPER GRADE STRESS RELIEVED LOW RELAXATION WIRE CONFORMING TO A.S. 1910. MINIMUM ULTIMATE STRENGTH OF WIRE SHALL BE: 5 ϕ WIRE - 33.3 kN
 -PRESTRESSING STRANDS FOR DELTAFLOR PANELS SHALL CONSIST OF 7-WIRE SUPER GRADE STRESS RELIEVED LOW RELAXATION STRAND CONFORMING TO A.S. 1371. MINIMUM ULTIMATE STRENGTH OF STRANDS SHALL BE: 9.3 ϕ STRAND - 102 kN



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DRAWN	M.M.	DWG	REV
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DATE	FEB 2010	DATE	FEB 2010
			DF1
			0

DELTAFLOR PANELS
 DF75 (FIRE RATING 90 MIN)
 TYPICAL SECTIONS

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REVISION	BY	CHKD	NO	DATE

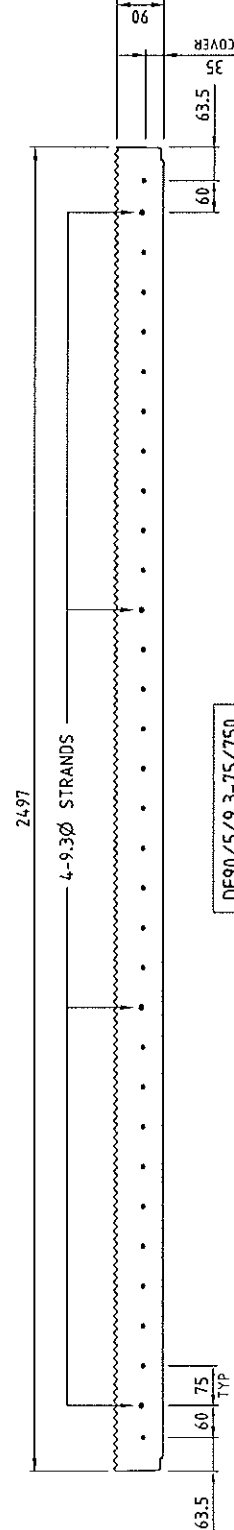
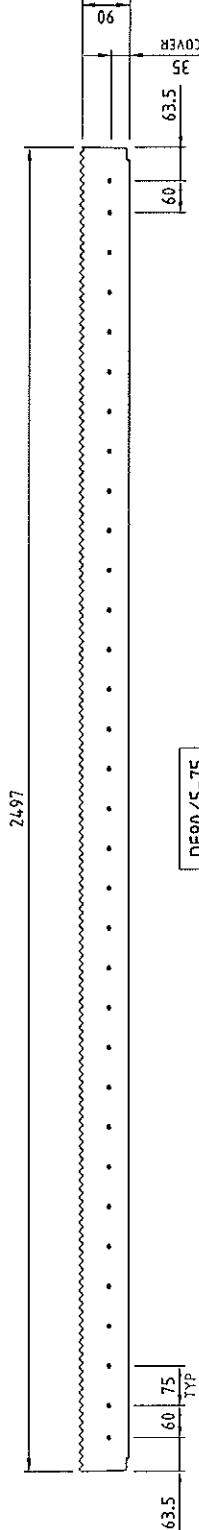
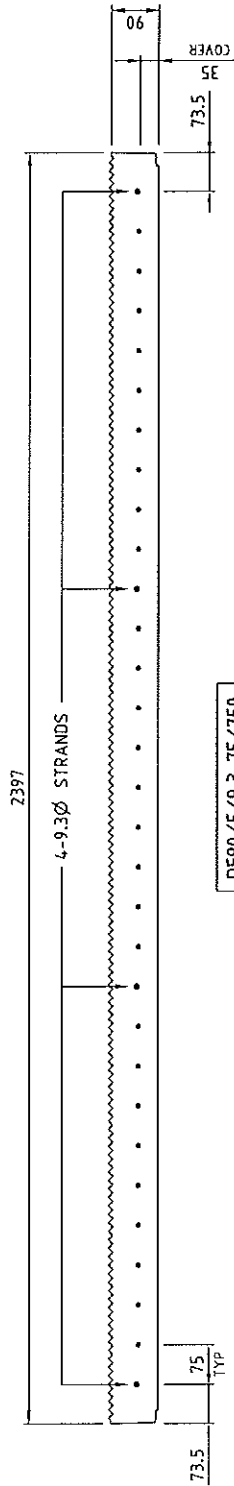
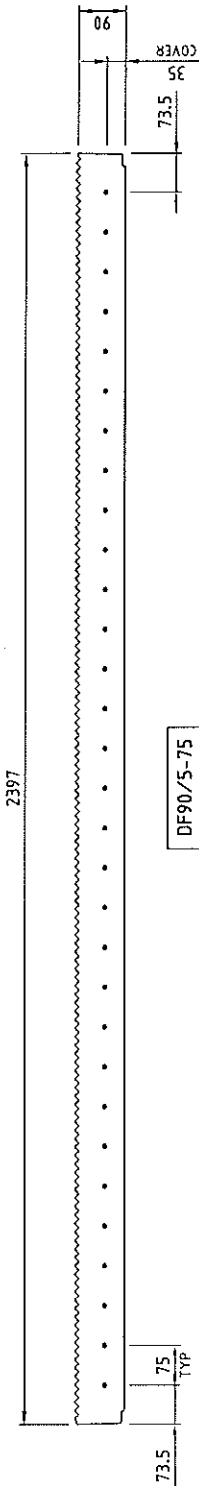
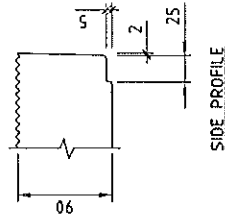
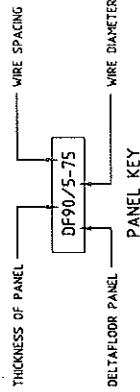
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GENERAL NOTES:

PANEL TYPE	DF90
BOTTOM WIRE/STRAND SIZE	5 ϕ 9.3 ϕ
PRESTRESSING FORCE AT TRANSFER	24 kN/WIRE 70 kN/STRAND
BOTTOM WIRE/STRAND COVER	35mm COVER
CONCRETE STRENGTH AT TRANSFER	30 MPa
CONCRETE STRENGTH AT 28 DAYS	50 MPa
BACK FACE FINISH	ROUGHENED TO AS 3600
	REMOVE ALL LANTICE AND LOOSE MATERIAL

GENERAL NOTES:
 * PRESTRESSING WIRE FOR DELTAFLOOR PANELS SHALL CONSIST OF 5 ϕ WIRE SUPER GRADE STRESS RELIEVED LOW RELAXATION WIRE CONFORMING TO AS 510.
 MINIMUM ULTIMATE STRENGTH OF WIRE SHALL BE:
 5 ϕ WIRE - 33.3 kN
 * PRESTRESSING STRANDS FOR DELTAFLOOR PANELS SHALL CONSIST OF 7-WIRE SUPER GRADE STRESS RELIEVED LOW RELAXATION STRAND CONFORMING TO AS 511.
 MINIMUM ULTIMATE STRENGTH OF STRANDS SHALL BE:
 9.3 ϕ STRAND - 102 kN



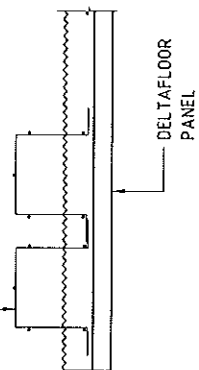
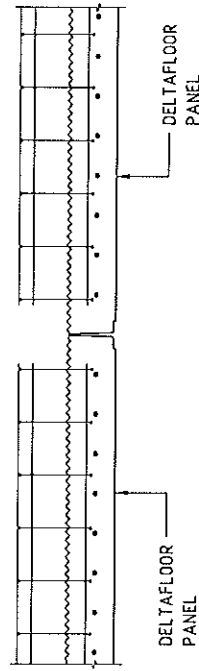
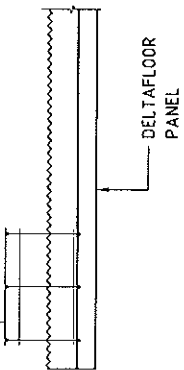
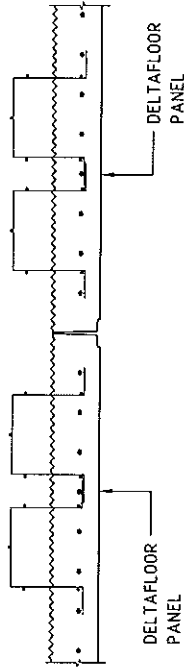
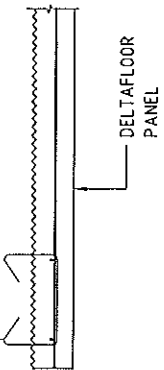
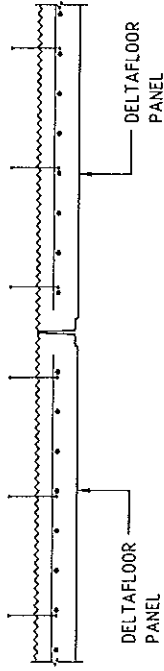
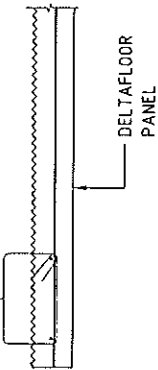
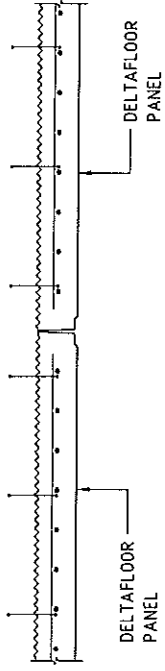
COMPANY	SE	JOB	DF
DRAWN	M.M.	DWG	DF2
CHECKED	P.S.	SCALE	DATE
NTS	FEB 2010	REV	0

DELTAFLLOOR PANELS
 DF90 (FIRE RATING 90 MIN)
 TYPICAL SECTIONS

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END HANGING TIE ARRANGEMENTS

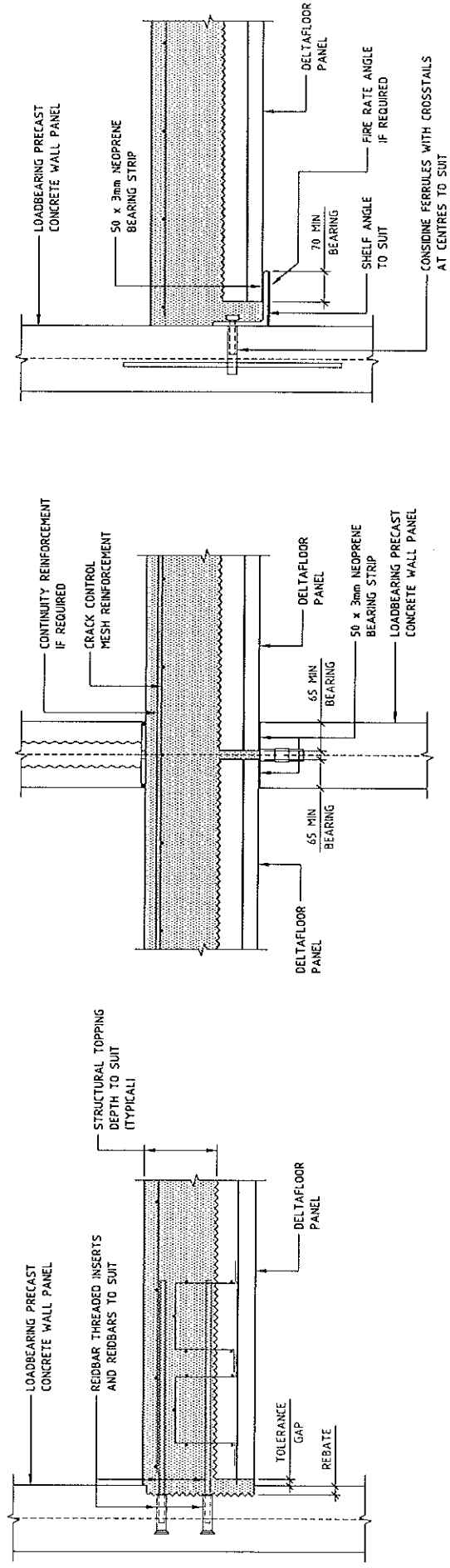
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DELTA FLOOR PANELS
 TYPICAL END HANGING TIE DETAILS

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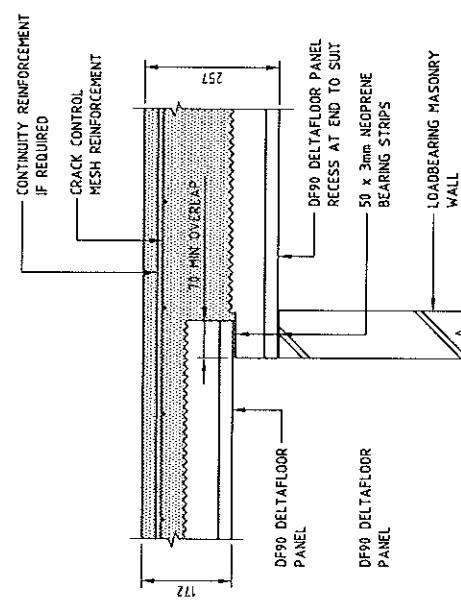
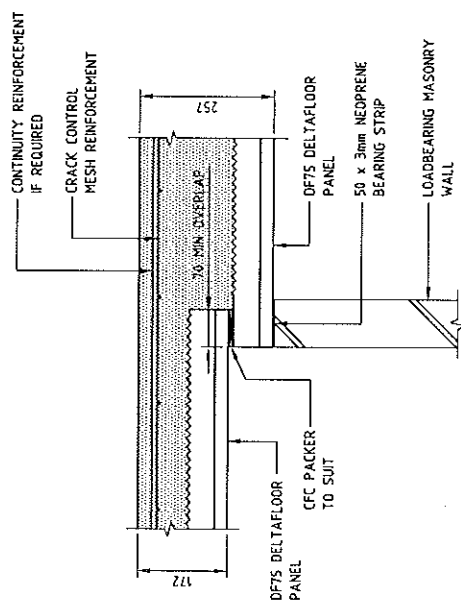
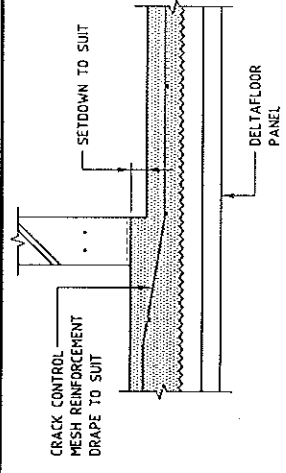
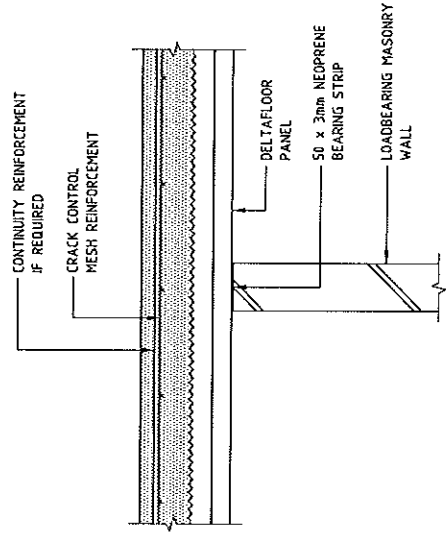
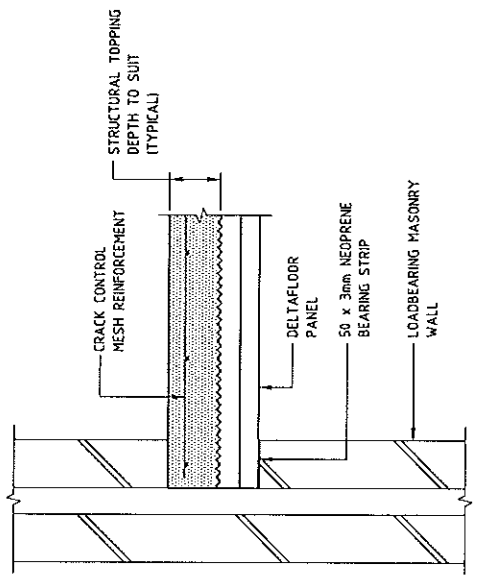
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DELTA FLOOR PANELS WITH PRECAST CONCRETE WALLS
 TYPICAL SUPPORT DETAILS

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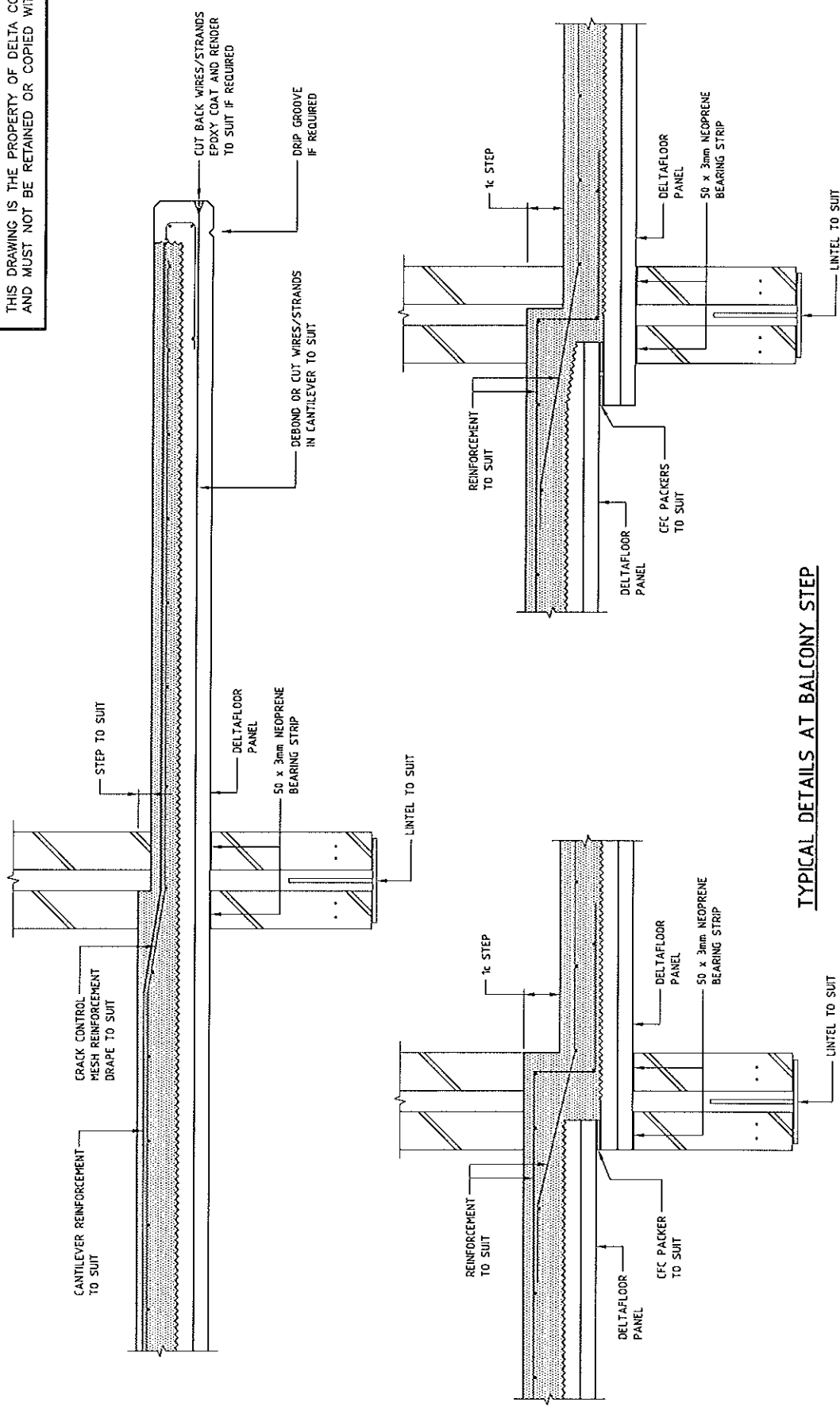
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DELTA FLOOR PANELS WITH MASONRY WALLS
TYPICAL SUPPORT DETAILS


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TYPICAL DETAILS AT BALCONY STEP

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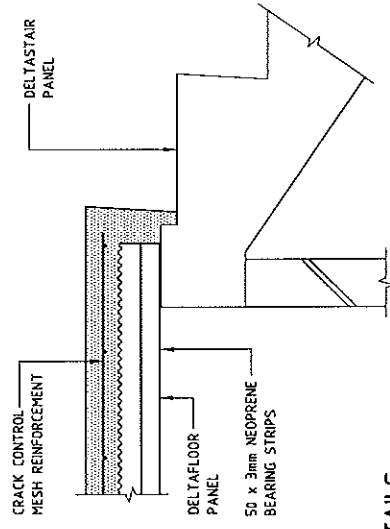
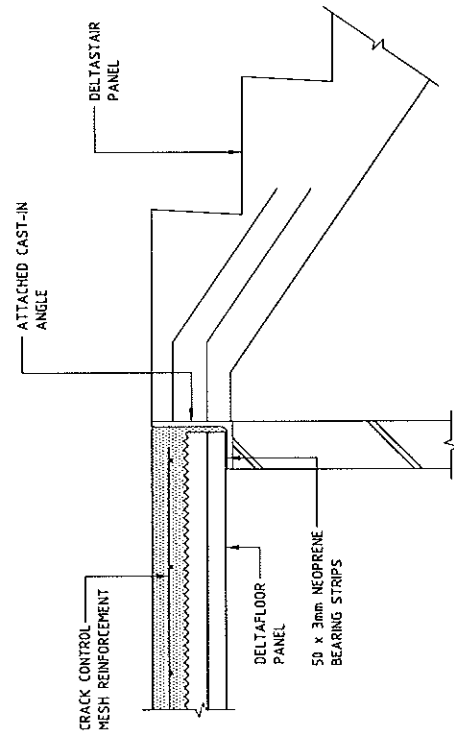
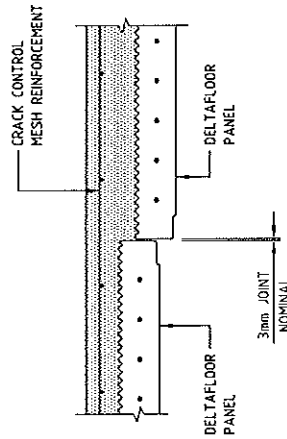
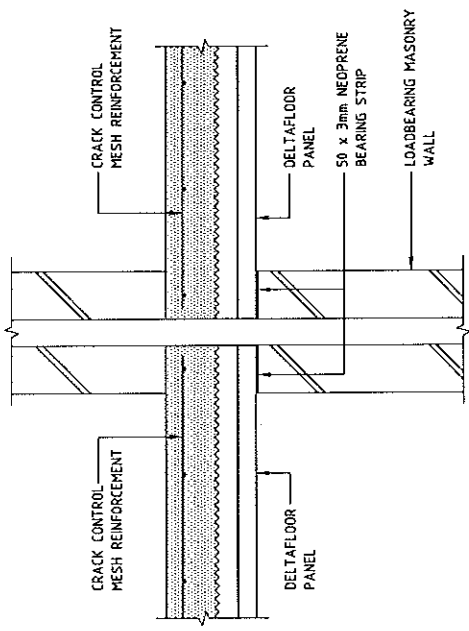

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DELTAFLLOOR PANELS WITH MASONRY WALLS
 TYPICAL DETAILS

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SCALE	NTS	DATE	FEB 2010
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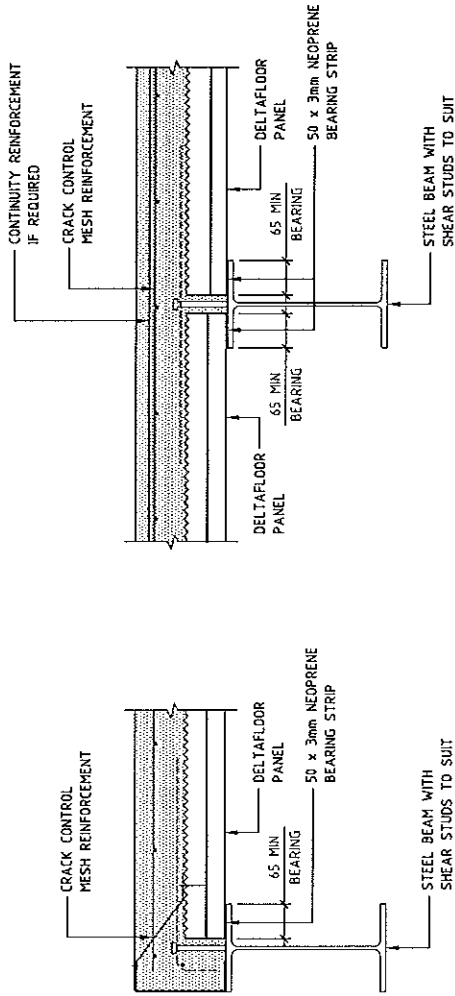


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DELTA FLOOR PANELS WITH MASONRY WALLS
 TYPICAL DETAILS

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DRAWN	M.I.M.	DWG	
CHECKED	P.S.	SCALE	NTS
DATE	FEB 2010	REV	0

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DRAWN	M.M.	DWG	
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DELTA FLOOR PANELS WITH STEEL BEAMS
 TYPICAL DETAILS

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