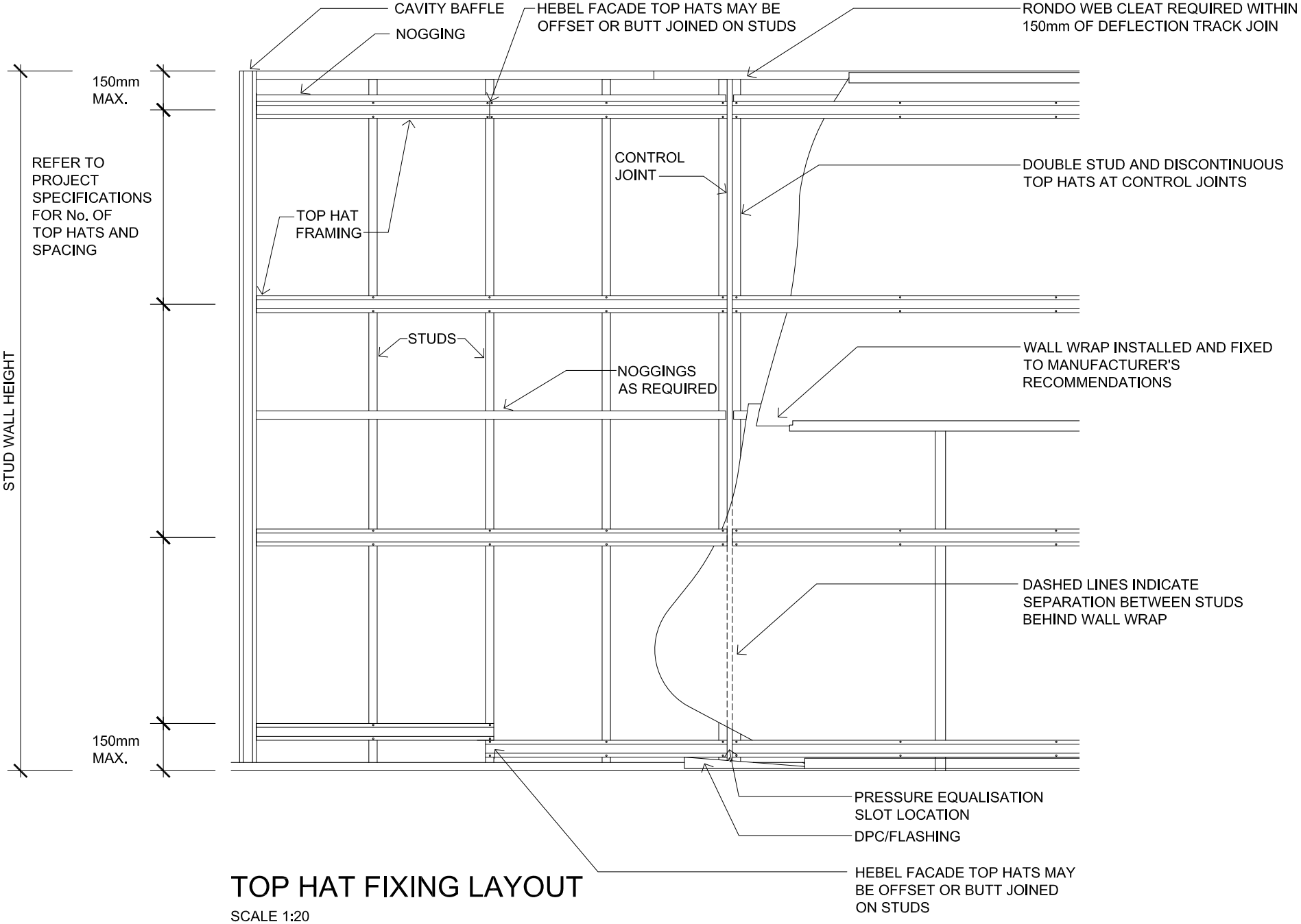


HIGH RISE MULTI-RESIDENTIAL FACADES CONSTRUCTION DETAILS

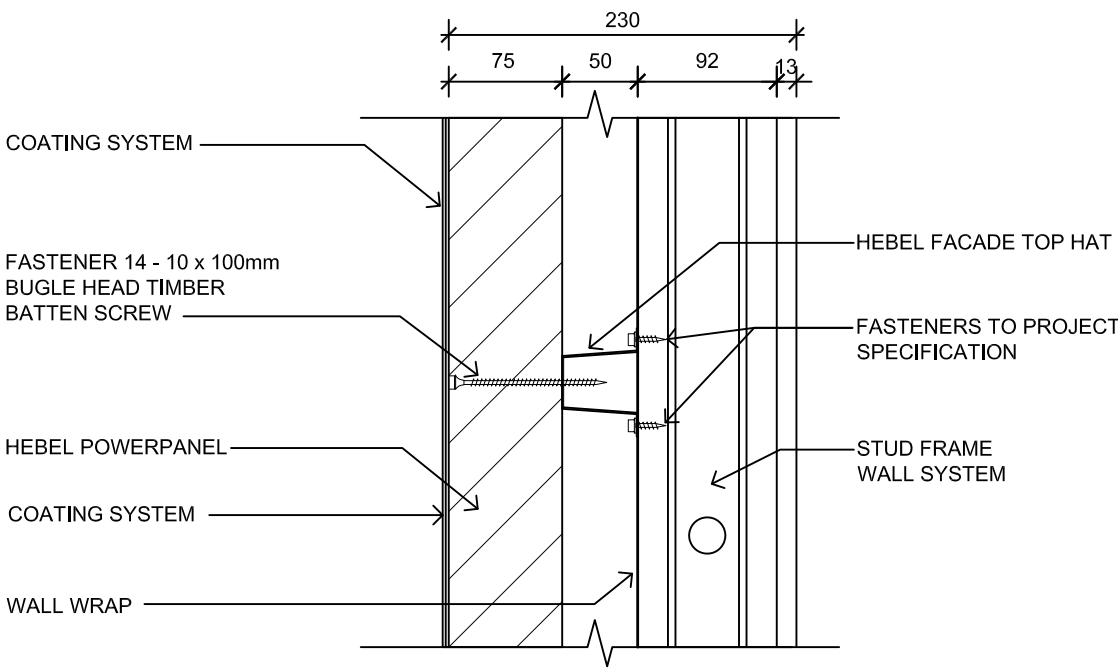


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FIGURE	3.3	TITLE HIGH RISE MULTI-RESIDENTIAL FACADES CONSTRUCTION DETAILS			
DESIGN GUIDE REFERENCE	HEBEL 1269 JULY 2013	SCALE	1:20 @ A3	SHEET SIZE	A3
				DRAWN	DA
				CHECK	CW
				DATE	14.05.14
				REVISION	B

HIGH RISE MULTI-RESIDENTIAL FACADES
CONSTRUCTION DETAILS



TOP HAT FIXING DETAIL
SCALE: 1:5

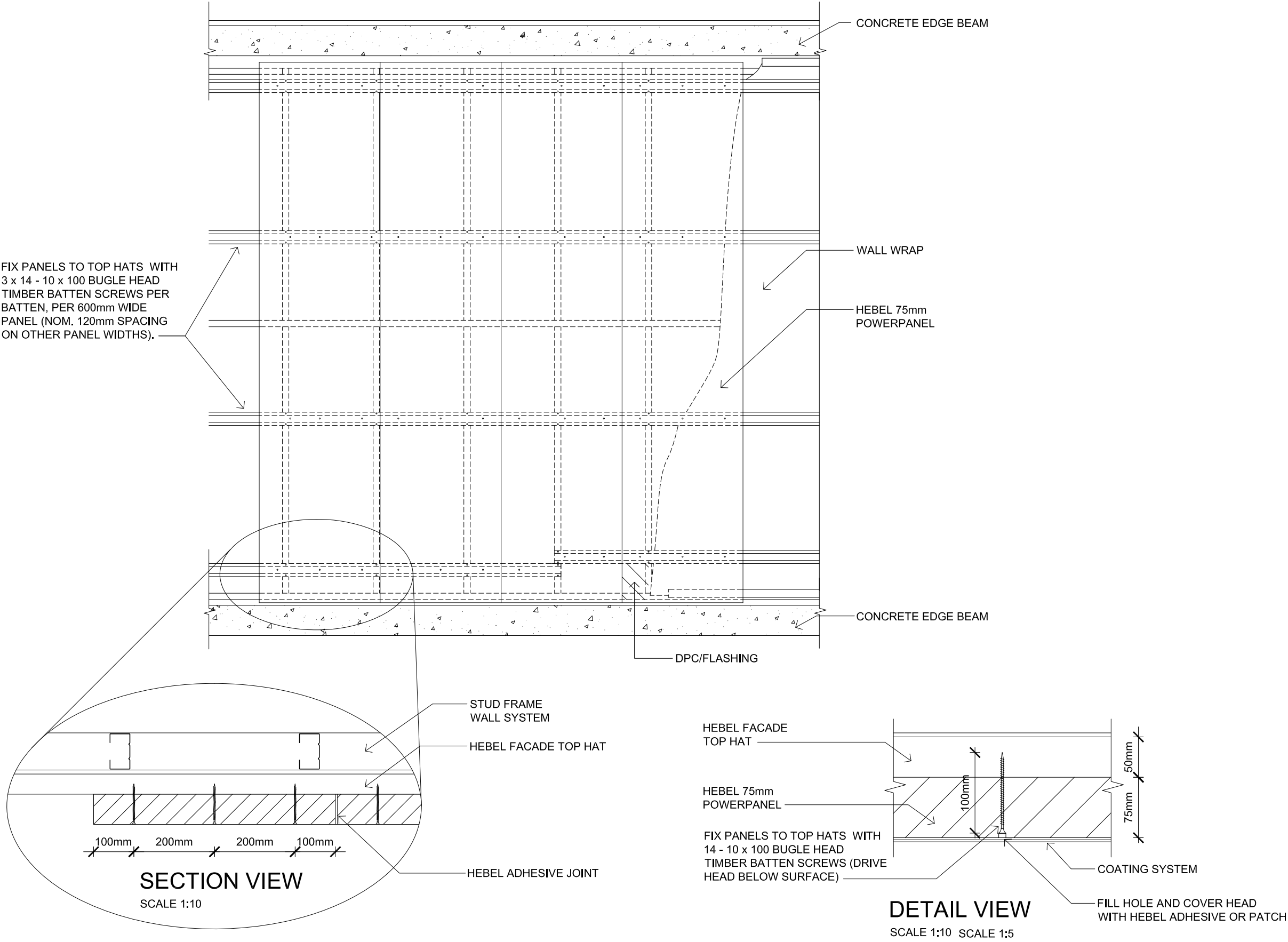


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FIGURE	3.4	TITLE HIGH RISE MULTI-RESIDENTIAL FACADES CONSTRUCTION DETAILS			
		SCALE	SHEET SIZE	DRAWN	DATE
DESIGN GUIDE REFERENCE HEBEL 1269 JULY 2013		1:5 @ A3	A3	DA	14.05.14
			SHEET NO. 2 of 17	CW	REVISION B

HIGH RISE MULTI-RESIDENTIAL FACADES CONSTRUCTION DETAILS



HEBEL POWERPANEL FIXING DETAIL (VISIBLE EDGE BEAM SHOWN)
SCALE 1:20

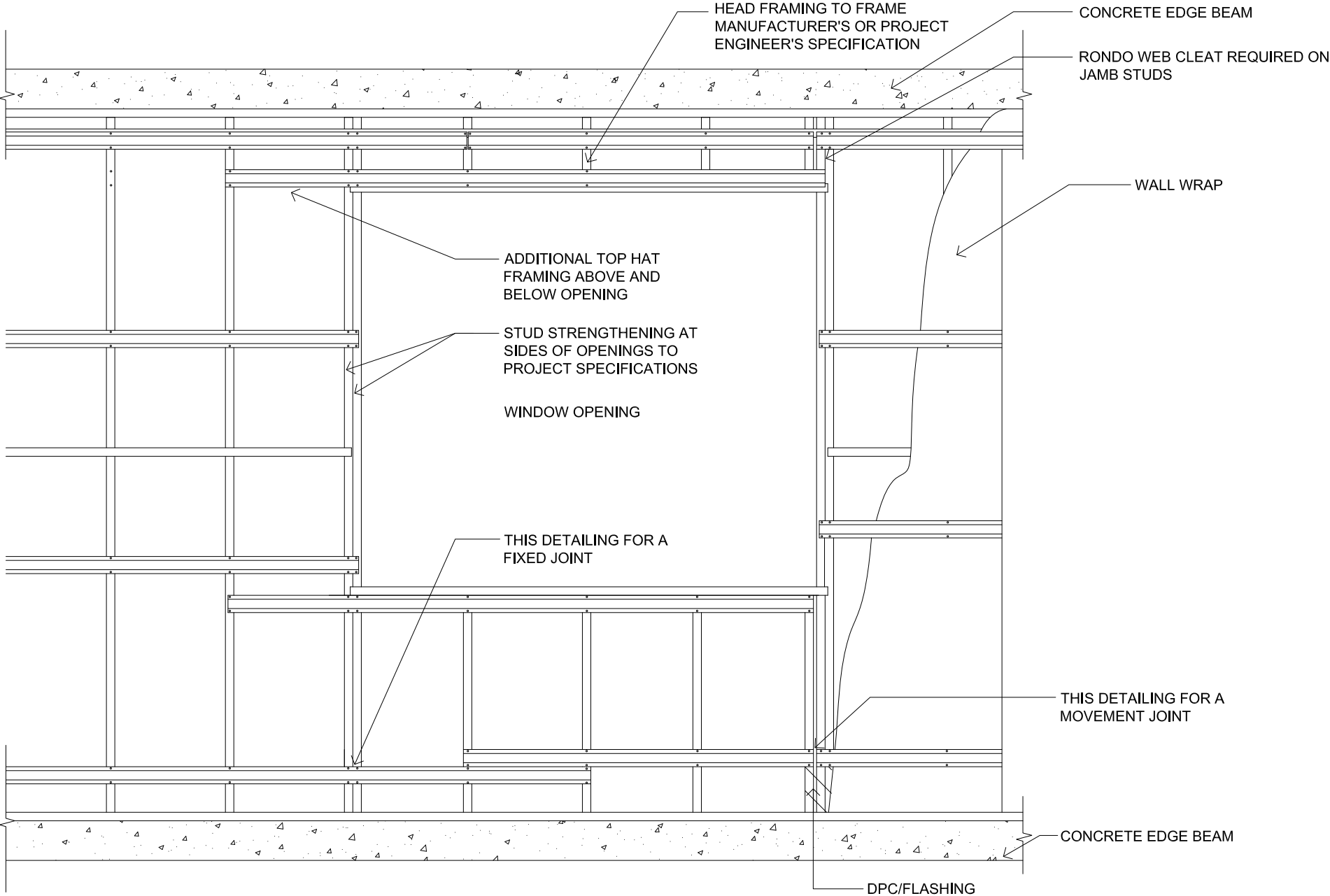


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FIGURE		TITLE			
3.5		HIGH RISE MULTI-RESIDENTIAL FACADES CONSTRUCTION DETAILS			
SCALE		SHEET SIZE	DRAWN	DATE	
1:20 @ A3		A3	DA	14.05.14	
DESIGN GUIDE REFERENCE		SHEET NO.	CHECK	REVISION	
HEBEL 1269 JULY 2013		3 of 17	CW	B	

HIGH RISE MULTI-RESIDENTIAL FACADES CONSTRUCTION DETAILS



NOTE: FOR MAJOR OPENINGS IN THE HEBEL POWERPANEL SYSTEM FOR FACADES, CSR HEBEL RECOMMENDS LOCATING MOVEMENT JOINTS ADJACENT TO THE OPENING.

CONTROL JOINTS AT DOOR/WINDOW OPENINGS:
 - DOOR/WINDOWS WIDTH ≤ 2400mm - A CONTROL JOINT IS TO BE PROVIDED TO ONE SIDE OF THE OPENING (MINIMUM MUST BE PROVIDED)

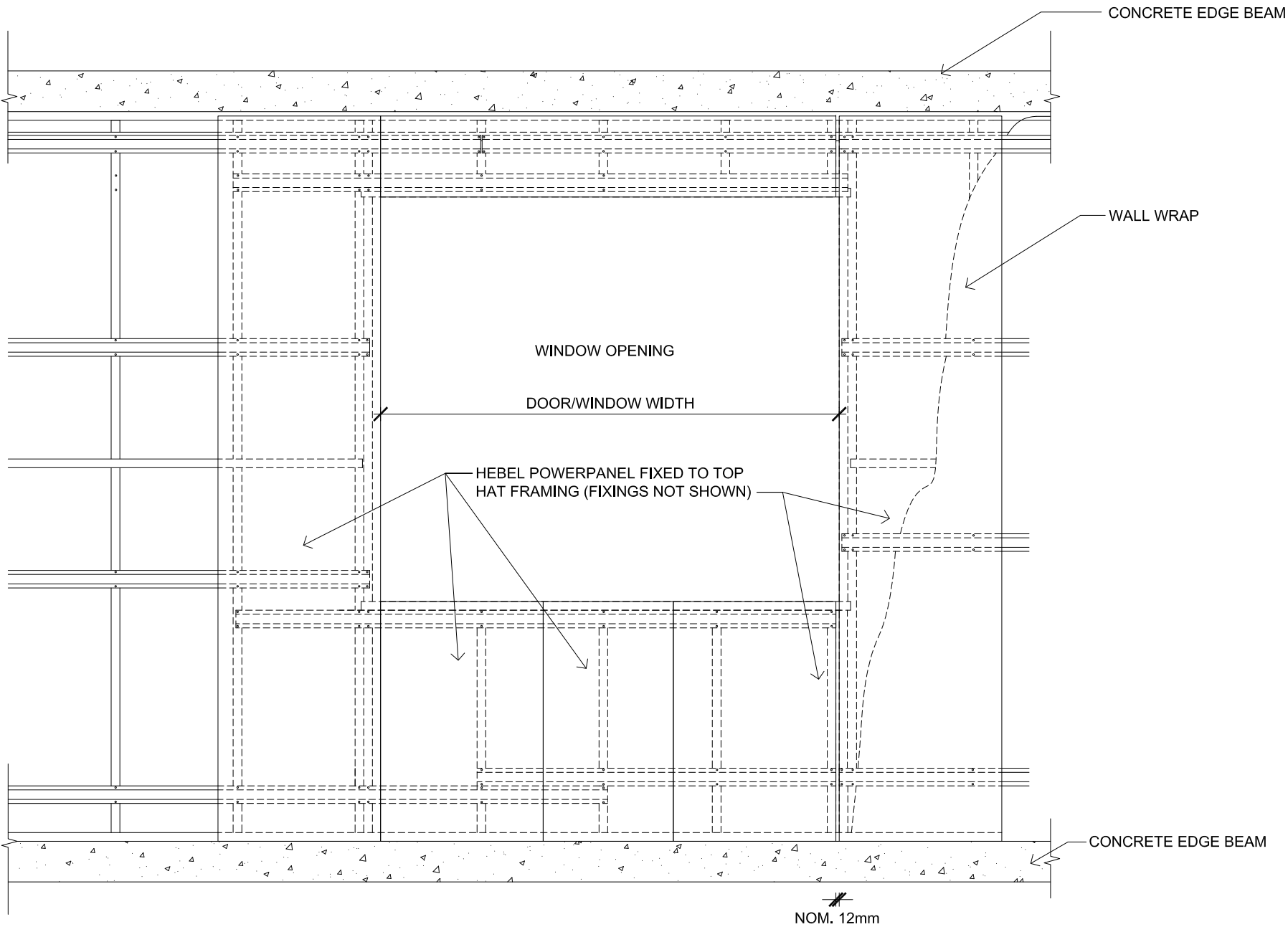
- DOOR/WINDOWS WIDTH > 2400mm - CONTROL JOINTS TO BOTH SIDES OF THE OPENING MUST BE PROVIDED

WINDOW OPENING DETAIL (VISIBLE EDGE BEAM SHOWN) BEHIND POWERPANEL

SCALE 1:20

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	<div>DESIGN GUIDE REFERENCE</div> <div>HEBEL 1269 JULY 2013</div>	<div>SCALE</div> <div>1:20 @ A3</div>	<div>SHEET SIZE</div> <div>A3</div>	<div>DRAWN</div> <div>DA</div>	<div>DATE</div> <div>14.05.14</div>
			<div>SHEET NO.</div> <div>4 of 17</div>	<div>CHECK</div> <div>CW</div>	<div>REVISION</div> <div>B</div>

HIGH RISE MULTI-RESIDENTIAL FACADES CONSTRUCTION DETAILS



NOTE: FOR MAJOR OPENINGS IN THE HEBEL POWERPANEL SYSTEM FOR FACADES, CSR HEBEL RECOMMENDS LOCATING MOVEMENT JOINTS ADJACENT TO THE OPENING.

- CONTROL JOINTS AT DOOR/WINDOW OPENINGS:
- DOOR/WINDOWS WIDTH \leq 2400mm - A CONTROL JOINT IS TO BE PROVIDED TO ONE SIDE OF THE OPENING (MINIMUM MUST BE PROVIDED)
 - DOOR/WINDOWS WIDTH $>$ 2400mm - CONTROL JOINTS TO BOTH SIDES OF THE OPENING MUST BE PROVIDED

WINDOW OPENING DETAIL (VISIBLE EDGE BEAM SHOWN) IN FRONT OF POWERPANEL

SCALE 1:20



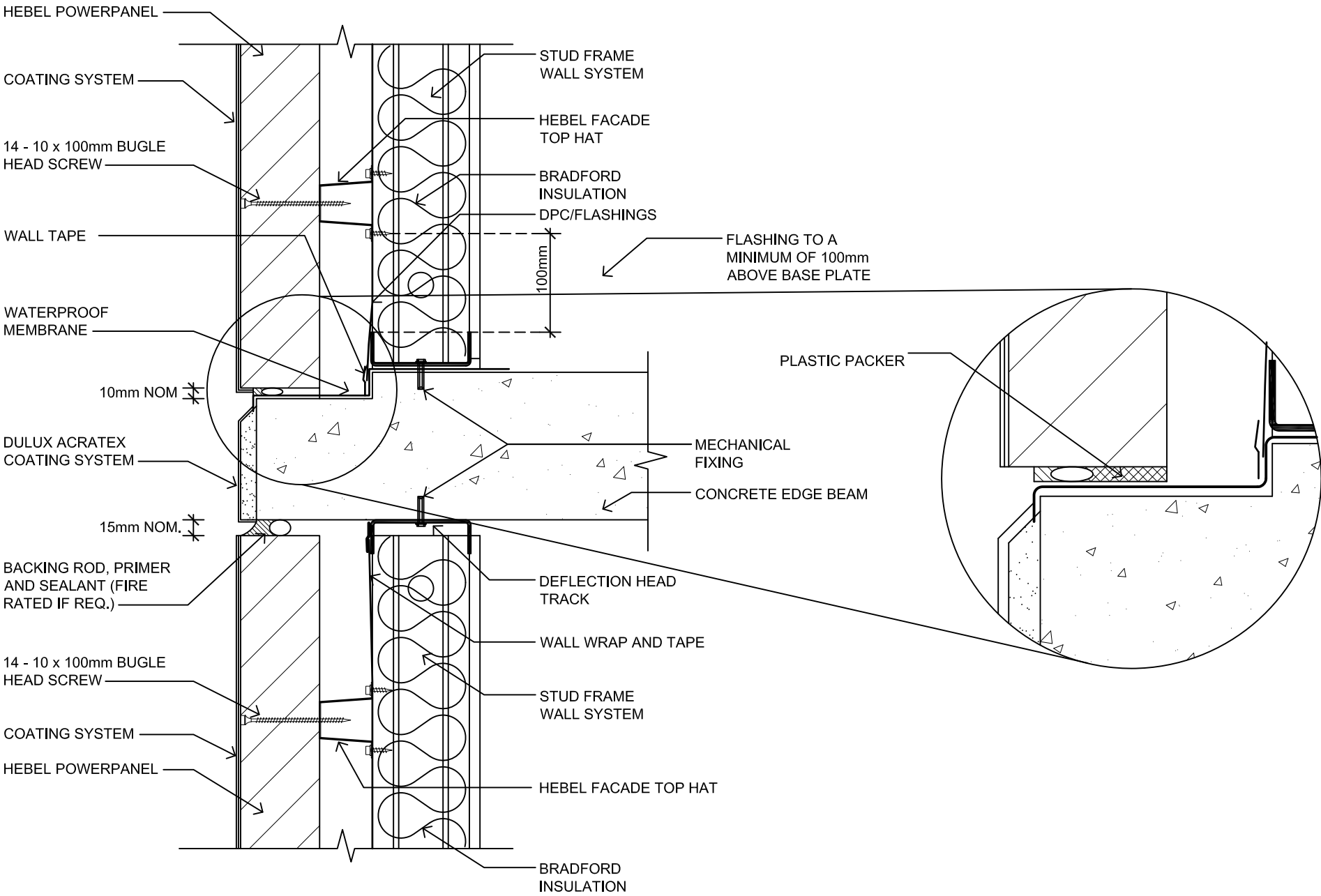
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FIGURE	TITLE			
	HIGH RISE MULTI-RESIDENTIAL FACADES CONSTRUCTION DETAILS			
DESIGN GUIDE REFERENCE	SCALE	SHEET SIZE	DRAWN	DATE
	1:20 @ A3	A3	DA	14.05.14
HEBEL 1269 JULY 2013		SHEET NO. 5 of 17	CHECK CW	REVISION B

HIGH RISE MULTI-RESIDENTIAL FACADES
CONSTRUCTION DETAILS



HEAD/BASE FOR REBATED SLAB (HEBEL 2001)
SCALE: 1:5

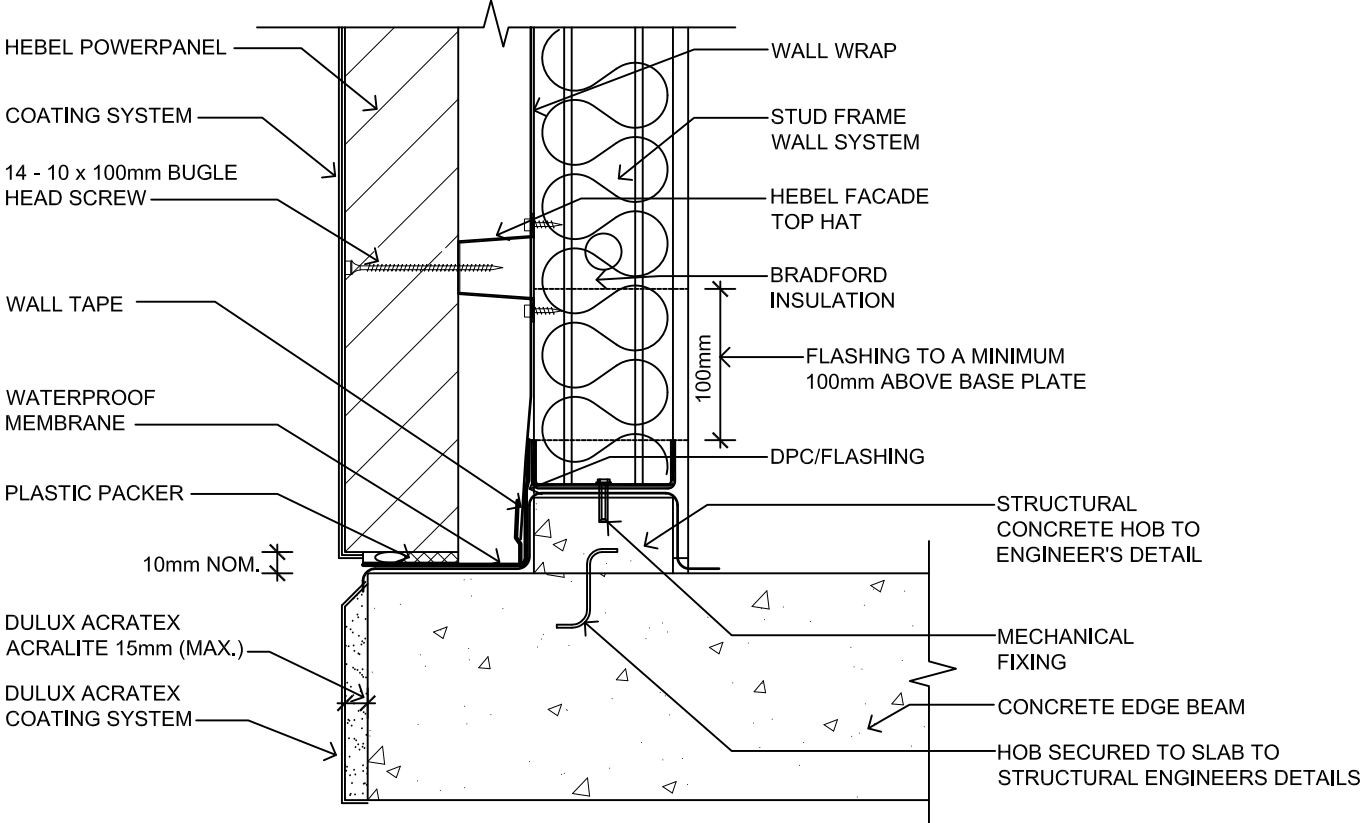


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FIGURE	3.8	TITLE			
		HIGH RISE MULTI-RESIDENTIAL FACADES CONSTRUCTION DETAILS			
DESIGN GUIDE REFERENCE	HEBEL 1269 JULY 2013	SCALE	SHEET SIZE	DRAWN	DATE
		1:5 @ A3	A3	DA	14.05.14
		SHEET NO.	CHECK	REVISION	
		6 of 17	CW	B	

HIGH RISE MULTI-RESIDENTIAL FACADES
CONSTRUCTION DETAILS



BASE WITH HOB (HEBEL 2001)
SCALE: 1:5

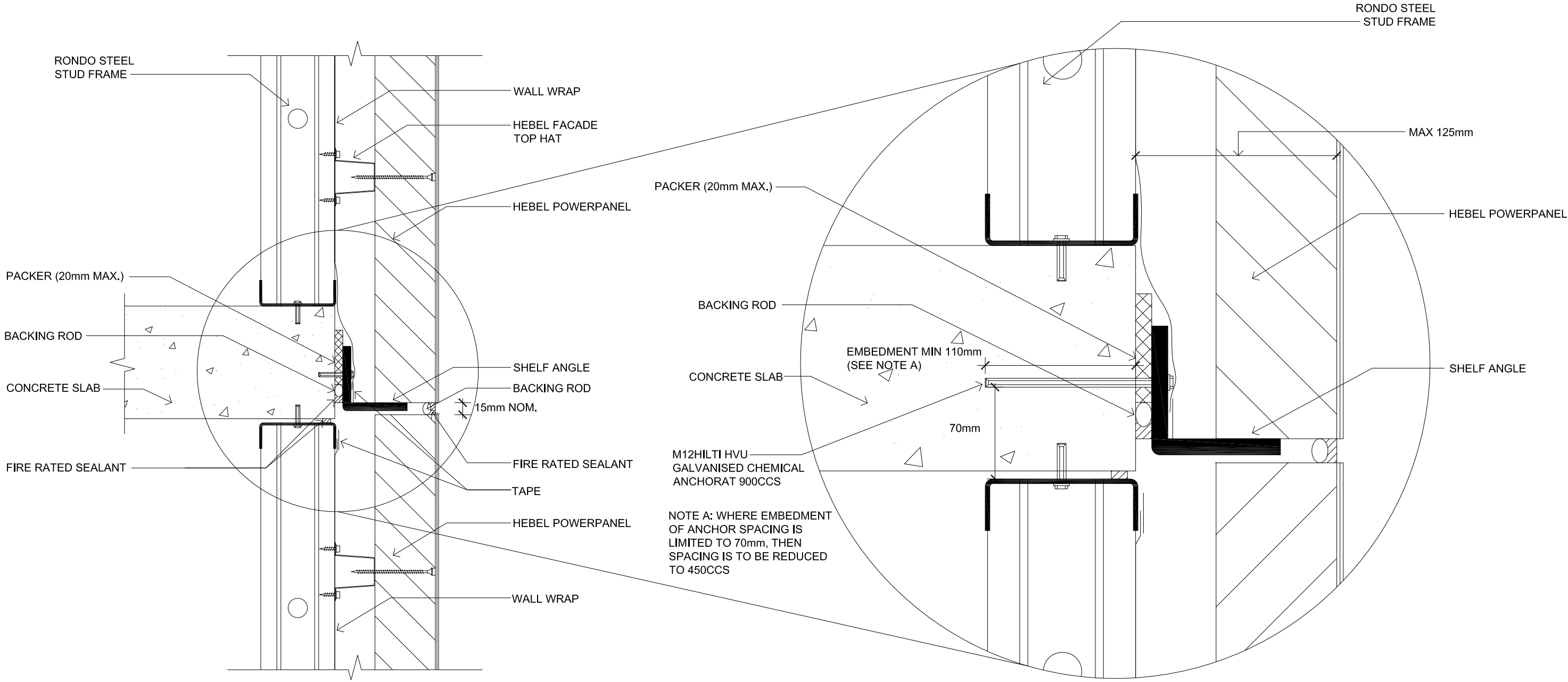


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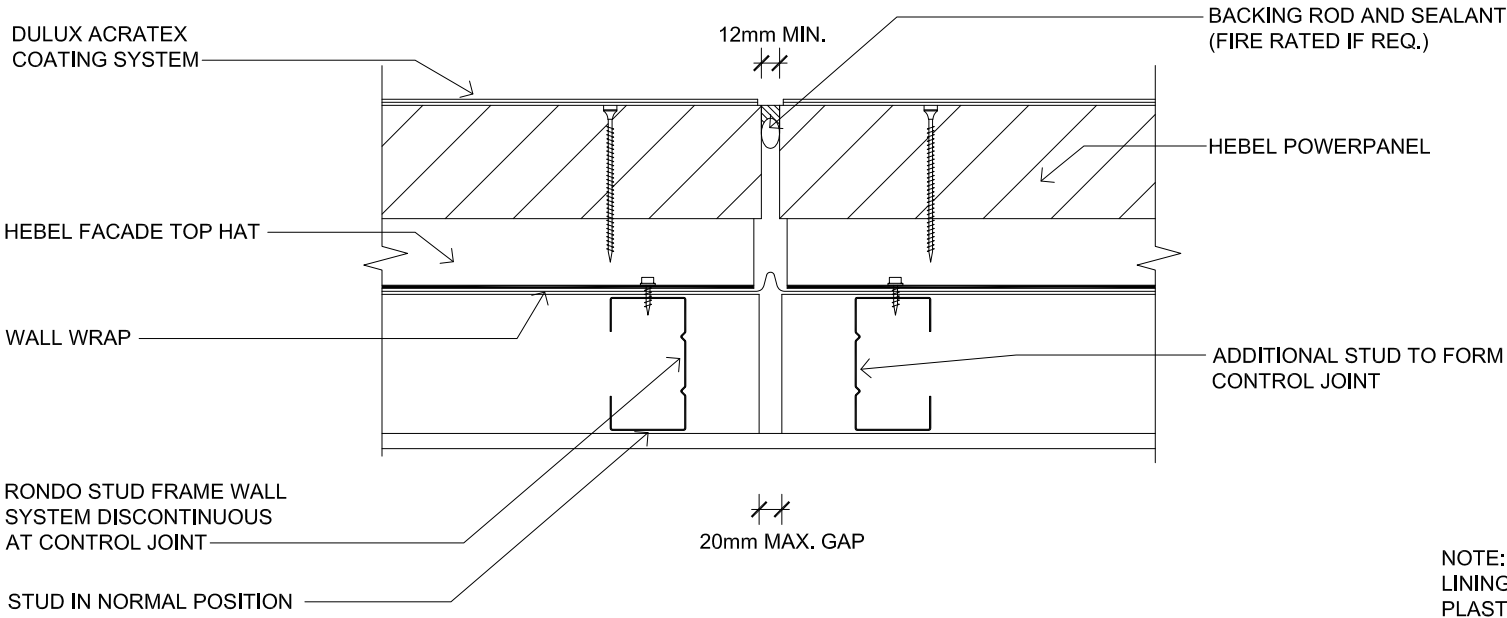
FIGURE	TITLE			
	HIGH RISE MULTI-RESIDENTIAL FACADES CONSTRUCTION DETAILS			
DESIGN GUIDE REFERENCE	SCALE	SHEET SIZE	DRAWN	DATE
	1:5 @ A3	A3	DA	14.05.14
HEBEL 1269 JULY 2013		SHEET NO. 7 of 17	CHECK CW	REVISION B

HIGH RISE MULTI-RESIDENTIAL FACADES CONSTRUCTION DETAILS

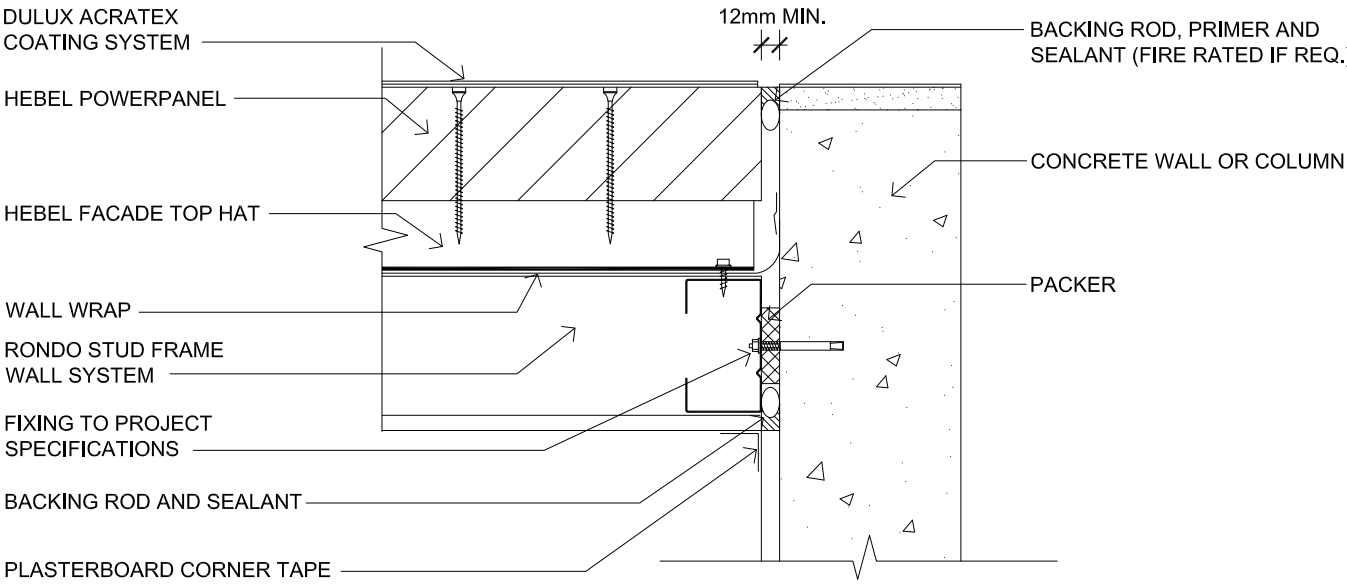


SELF ANGLE FIXING DETAIL (HEBEL 2000)
 SCALE: 1:5

HIGH RISE MULTI-RESIDENTIAL FACADES CONSTRUCTION DETAILS



CONTROL JOINT
SCALE: 1:5



JUNCTION WITH CONCRETE COLUMN
SCALE: 1:5

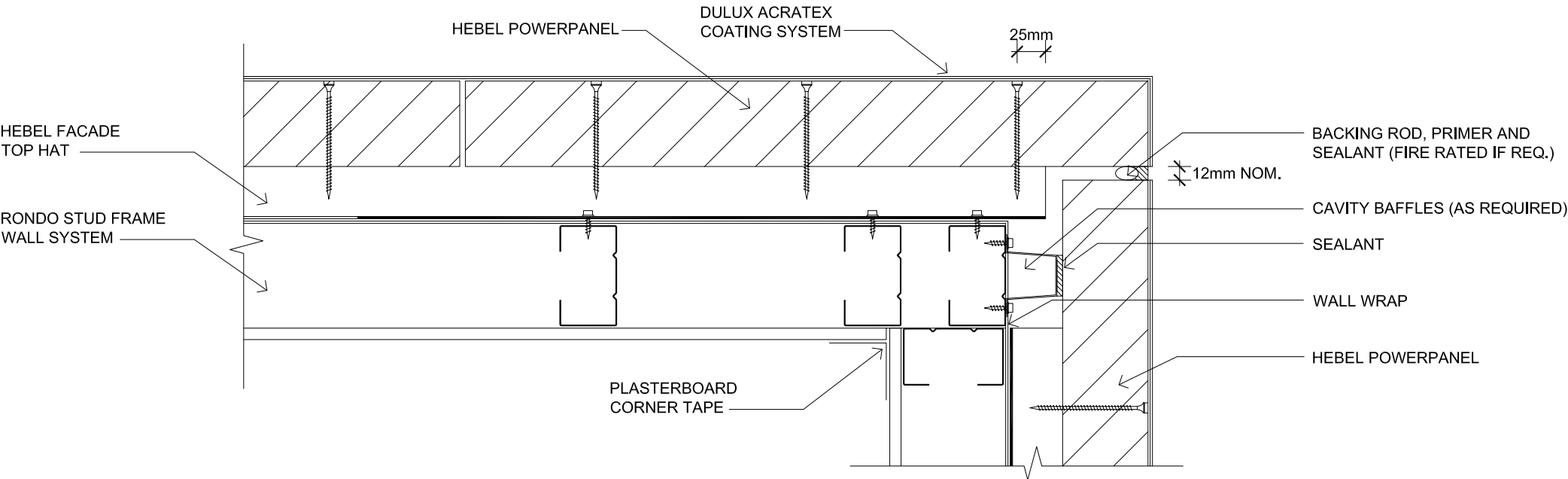


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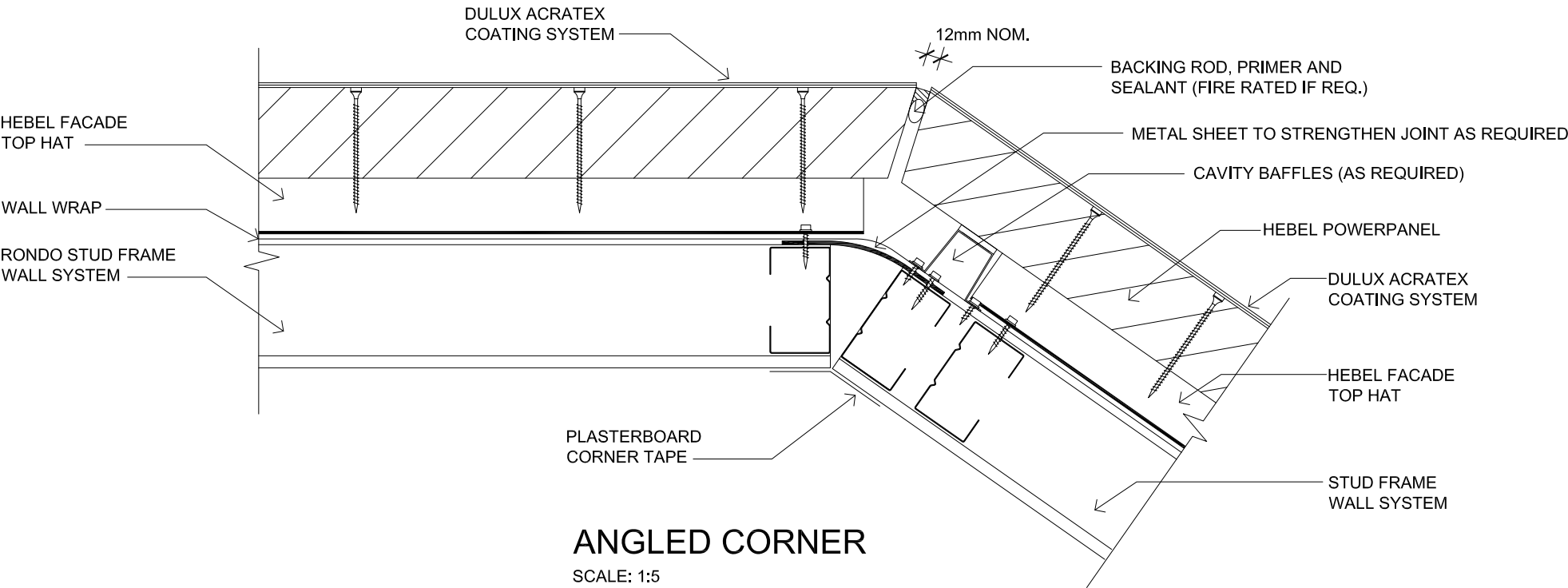


FIGURE	TITLE			
	HIGH RISE MULTI-RESIDENTIAL FACADES CONSTRUCTION DETAILS			
3.11 - 3.12	SCALE	SHEET SIZE	DRAWN	DATE
DESIGN GUIDE REFERENCE HEBEL 1269 JULY 2013	1:5 @ A3	A3	DA	14.05.14
		SHEET NO. 9 of 17	CHECK CW	REVISION B

HIGH RISE MULTI-RESIDENTIAL FACADES CONSTRUCTION DETAILS



EXTERNAL CORNER
SCALE: 1:5



ANGLED CORNER
SCALE: 1:5

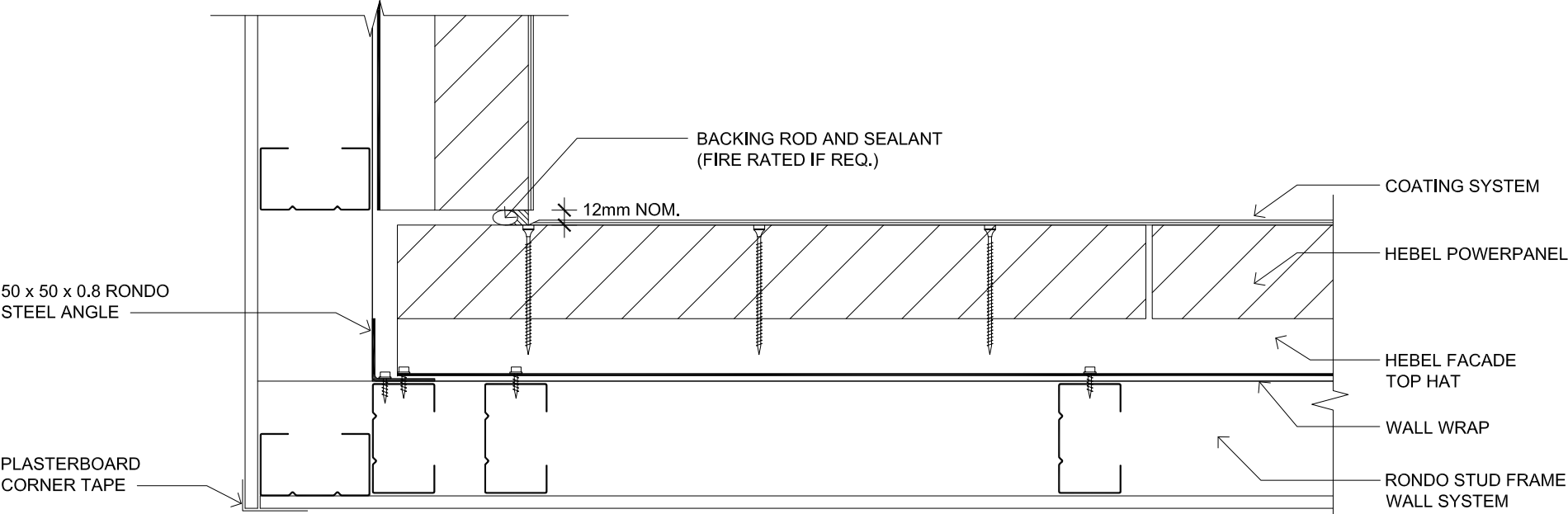


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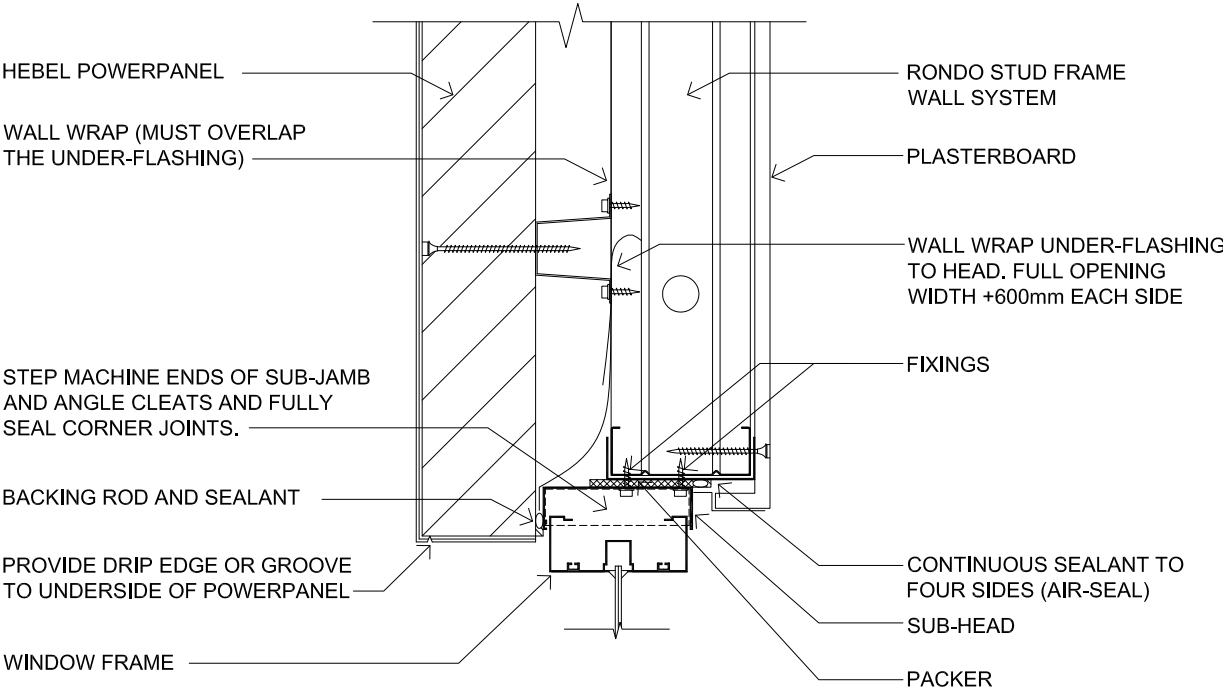
FIGURE		TITLE			
3.13 - 3.14		HIGH RISE MULTI-RESIDENTIAL FACADES CONSTRUCTION DETAILS			
DESIGN GUIDE REFERENCE		SCALE	SHEET SIZE	DRAWN	DATE
HEBEL 1269 JULY 2013		1:5 @ A3	A3	DA	14.05.14
			CHECK	REVISION	
		10 of 17	CW	B	

HIGH RISE MULTI-RESIDENTIAL FACADES CONSTRUCTION DETAILS



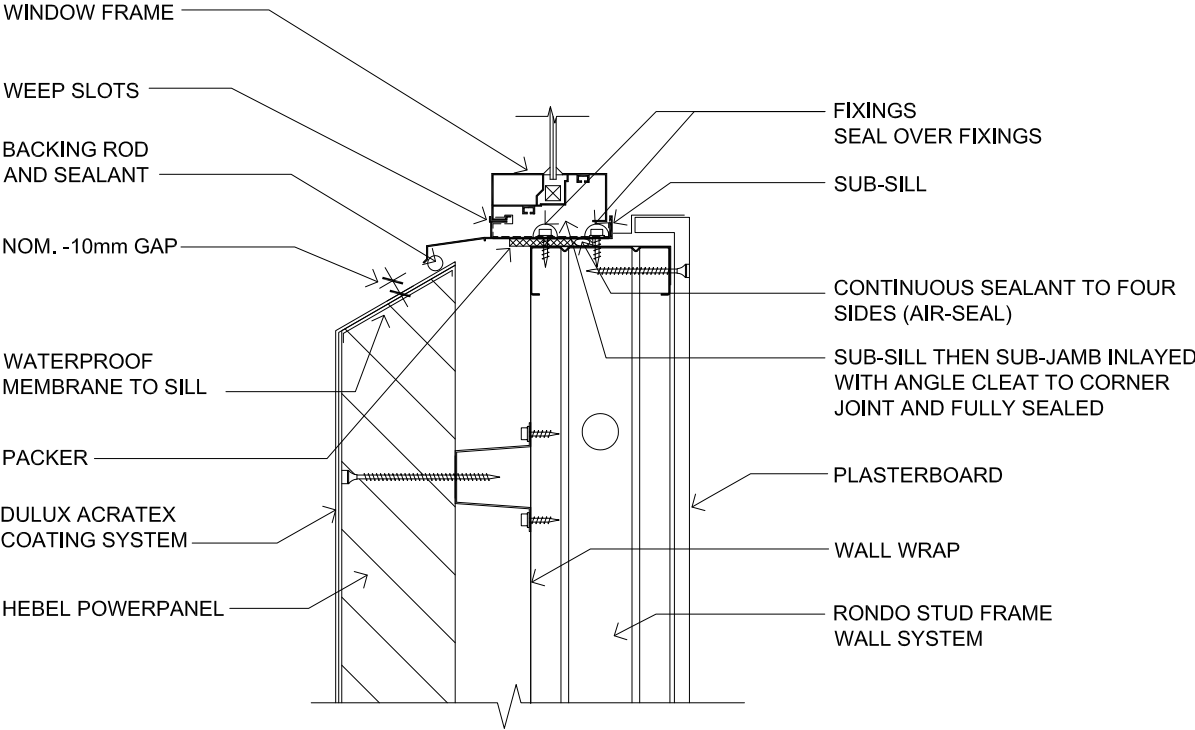
INTERNAL CORNER

SCALE: 1:5



WINDOW HEAD

SCALE: 1:5



WINDOW SILL

SCALE: 1:5

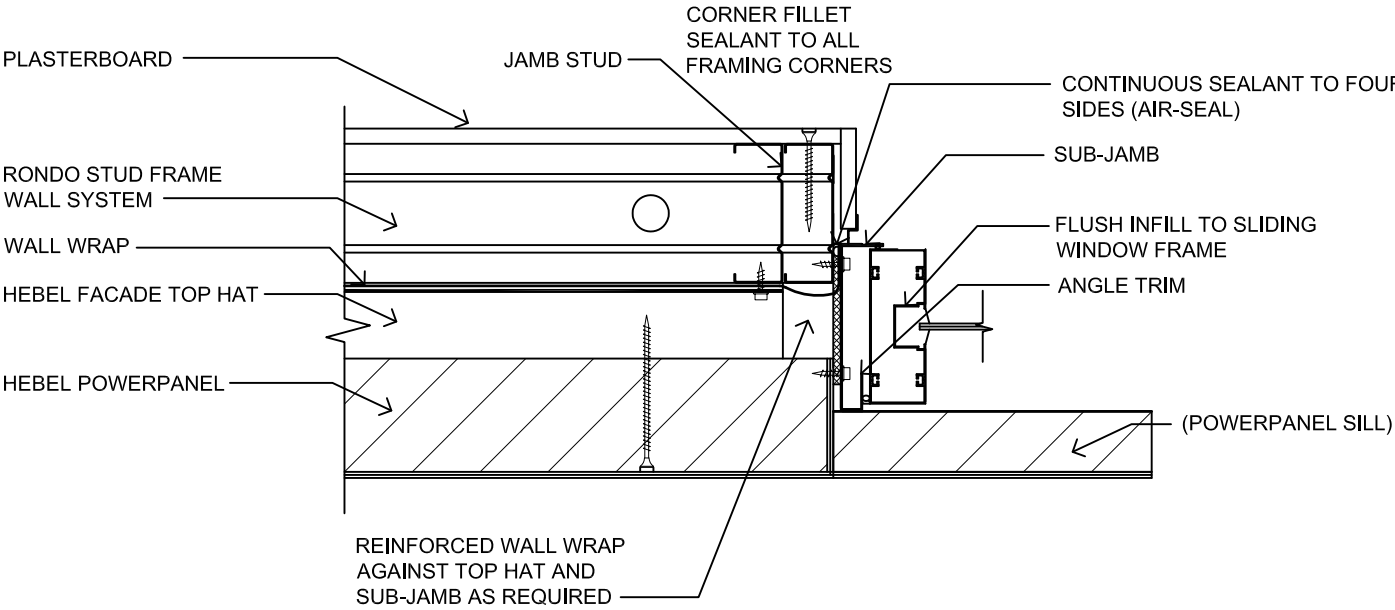


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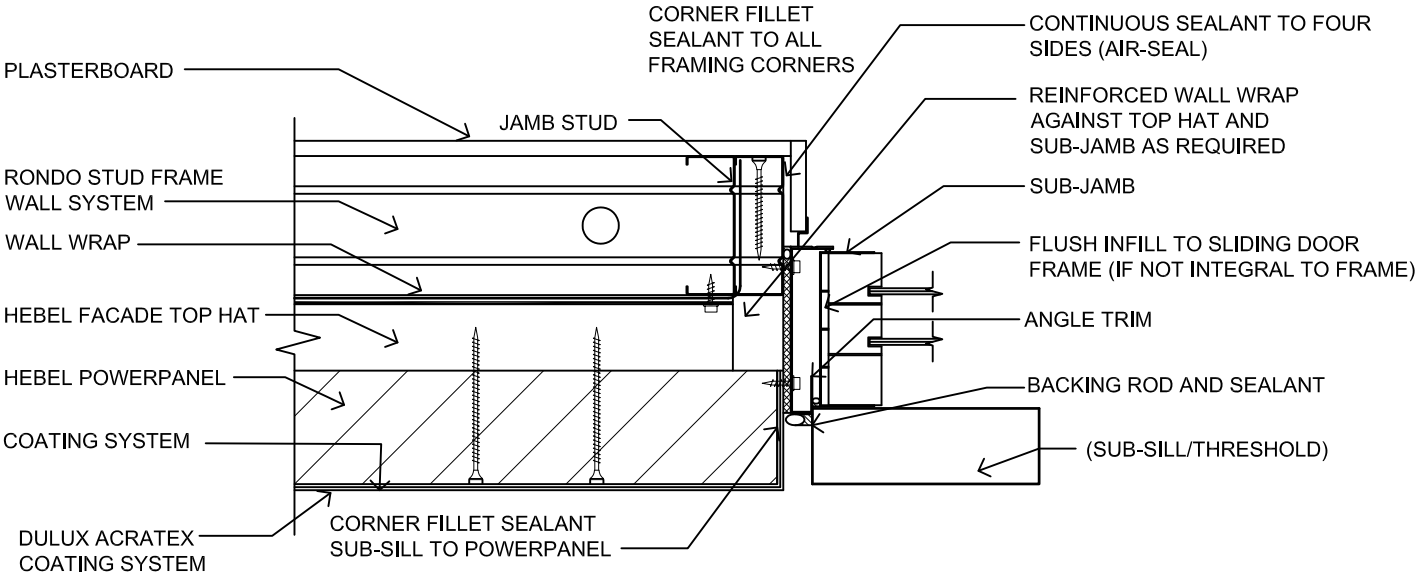
FIGURE	TITLE			
	HIGH RISE MULTI-RESIDENTIAL FACADES CONSTRUCTION DETAILS			
3.15 - 3.17	SCALE	SHEET SIZE	DRAWN	DATE
DESIGN GUIDE REFERENCE	1:5 @ A3	A3	DA	14.05.14
HEBEL 1269 JULY 2013		SHEET NO. 11 of 17	CHECK CW	REVISION B

HIGH RISE MULTI-RESIDENTIAL FACADES CONSTRUCTION DETAILS



WINDOW JAMB

SCALE: 1:5



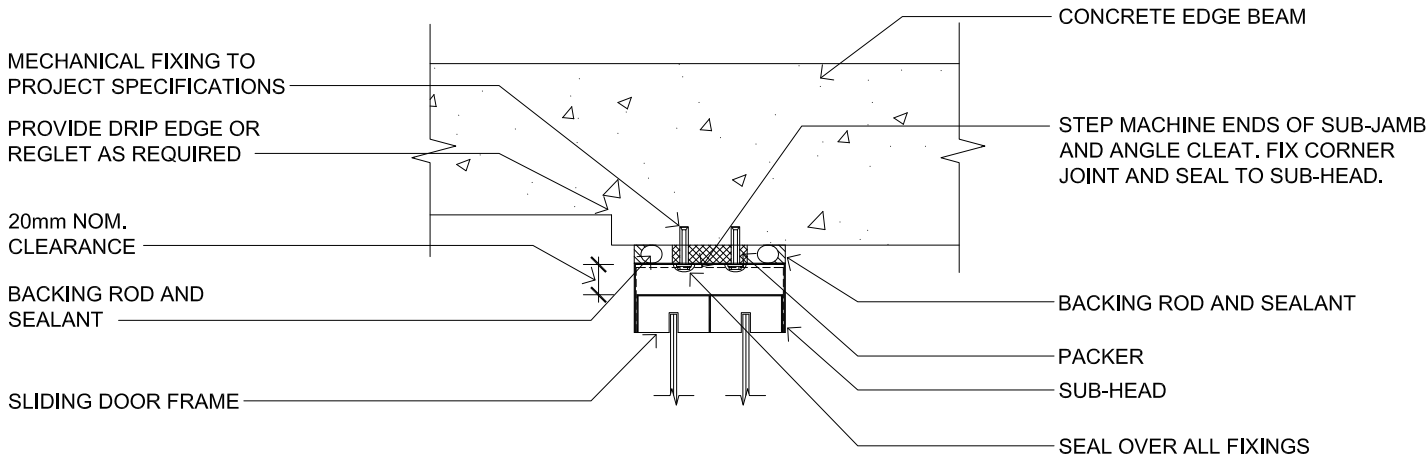
IMPORTANT: THE WINDOW MANUFACTURER IS TO SUPPLY THE AIR SEAL DETAIL FOR SLIDING DOOR JAMB, SO THAT AIR CAN NOT VENT INTO WALL CAVITY. CSR HEBEL RECOMMENDS THE USE OF FULL PERIMETER SUB-FRAMES.

SLIDING DOOR JAMB AT BASE

SCALE: 1:5

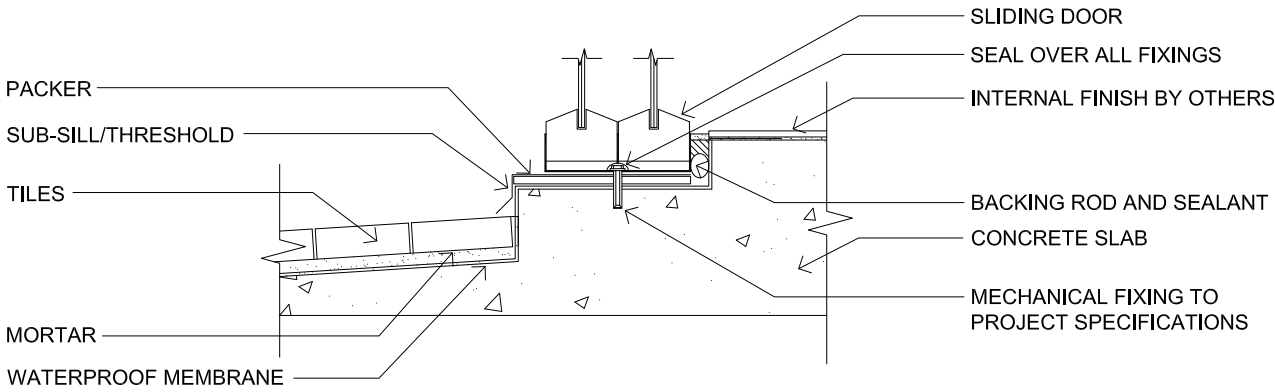
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	<div> <div>DESIGN GUIDE REFERENCE</div> <div>HEBEL 1269 JULY 2013</div> </div>	<div> <div>SCALE</div> <div>1:5 @ A3</div> </div>	<div> <div>SHEET SIZE</div> <div>A3</div> </div>	<div> <div>DRAWN</div> <div>DA</div> </div>	<div> <div>DATE</div> <div>14.05.14</div> </div>
			<div> <div>SHEET NO.</div> <div>12 of 17</div> </div>	<div> <div>CHECK</div> <div>CW</div> </div>	<div> <div>REVISION</div> <div>B</div> </div>

HIGH RISE MULTI-RESIDENTIAL FACADES
CONSTRUCTION DETAILS



SLIDING DOOR HEAD

SCALE: 1:5



SLIDING DOOR BASE - SIDE ELEVATION

SCALE: 1:5



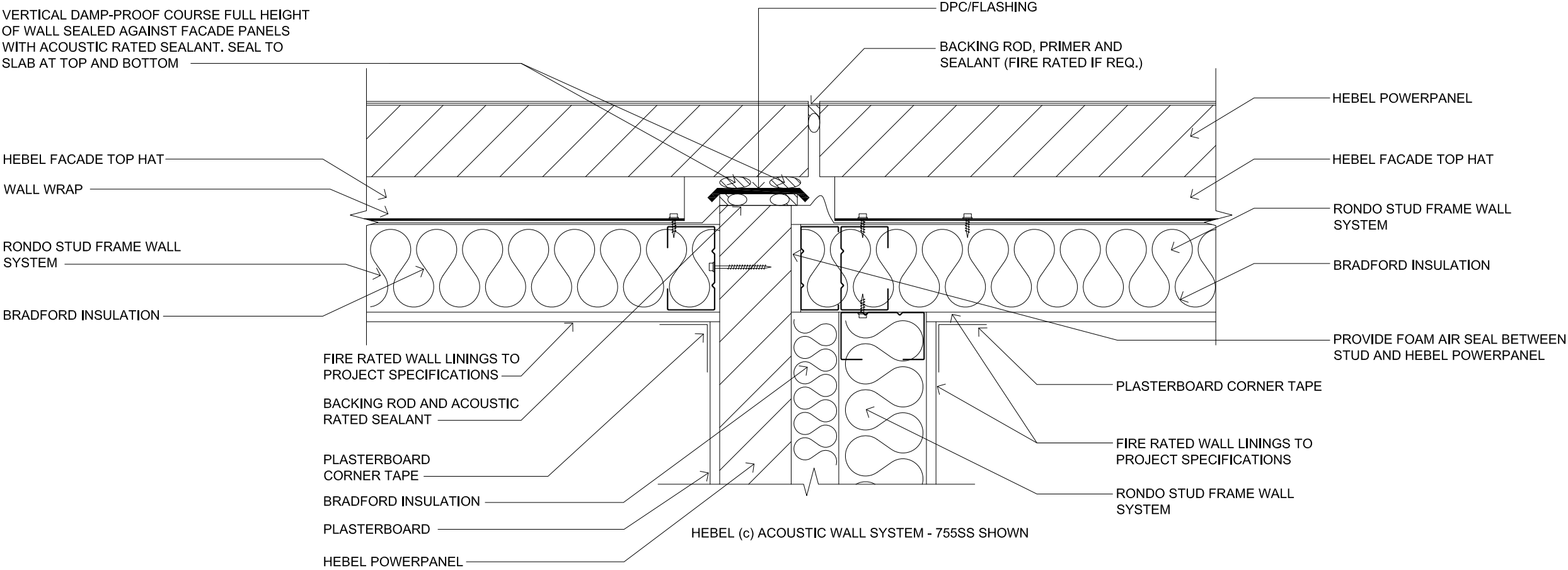
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FIGURE	TITLE			
	HIGH RISE MULTI-RESIDENTIAL FACADES CONSTRUCTION DETAILS			
3.20 - 3.21	SCALE	SHEET SIZE	DRAWN	DATE
DESIGN GUIDE REFERENCE	1:5 @ A3	A3	DA	14.05.14
HEBEL 1269 JULY 2013		SHEET NO. 13 of 17	CHECK CW	REVISION B

HIGH RISE MULTI-RESIDENTIAL FACADES
CONSTRUCTION DETAILS



IMPORTANT: TREATMENT OF PARTY WALL
JUNCTIONS REQUIRES SPECIFIC PROJECT DESIGN
AND APPROVAL BY STRUCTURAL, FIRE, ACOUSTIC
AND OTHER PROJECT CONSULTANTS.

PARTY WALL INTERSECTION
SCALE: 1:5

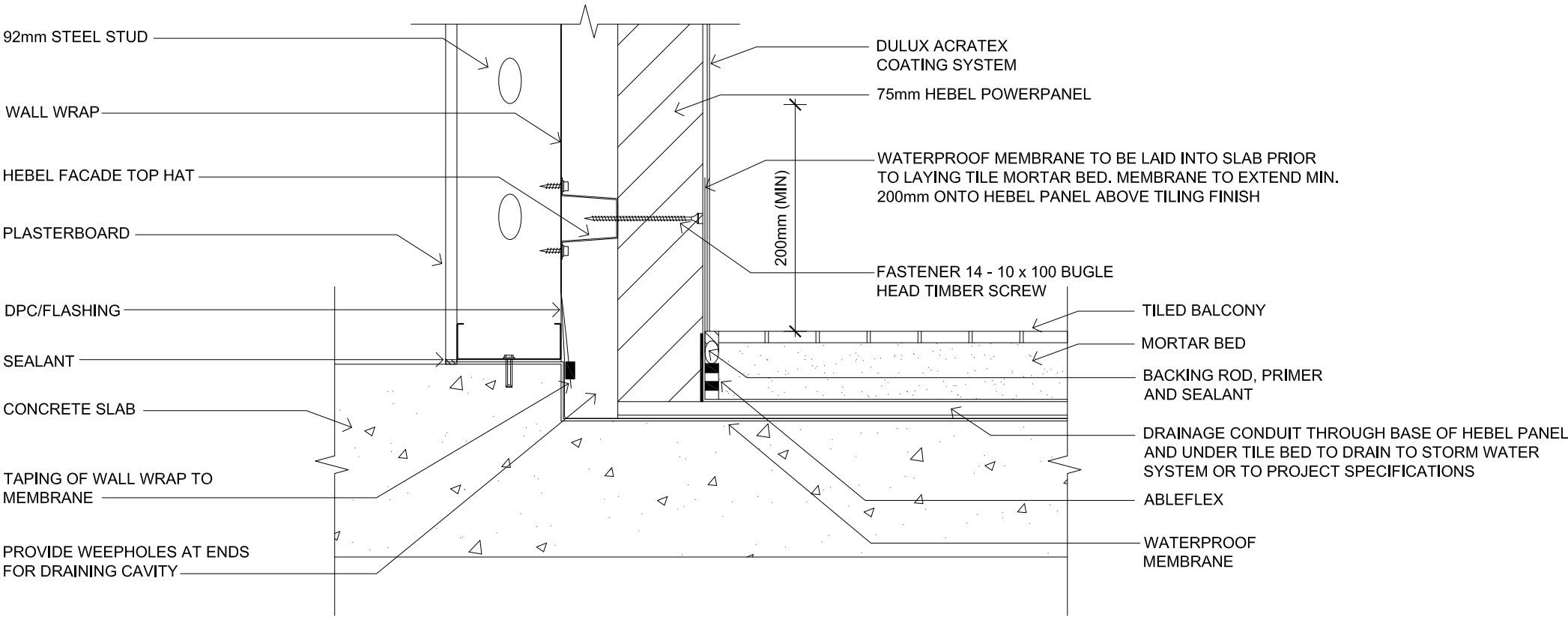


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FIGURE	3.22	TITLE			
		HIGH RISE MULTI-RESIDENTIAL FACADES CONSTRUCTION DETAILS			
DESIGN GUIDE REFERENCE	HEBEL 1269 JULY 2013	SCALE	SHEET SIZE	DRAWN	DATE
		1:5 @ A3	A3	DA	14.05.14
		SHEET NO	CHECK	REVISION	
		14 of 17	CW	B	

HIGH RISE MULTI-RESIDENTIAL FACADES
CONSTRUCTION DETAILS



NOTE: ●PRESSURE EQUALISATION SLOTS ARE TO BE
INSTALLED AT THE TOPS OF PANELS AT MAX. 3.0m CTRS
OVER BALCONIES GREATER THAN 3m IN WIDTH.

BALCONY DETAIL

SCALE: 1:5



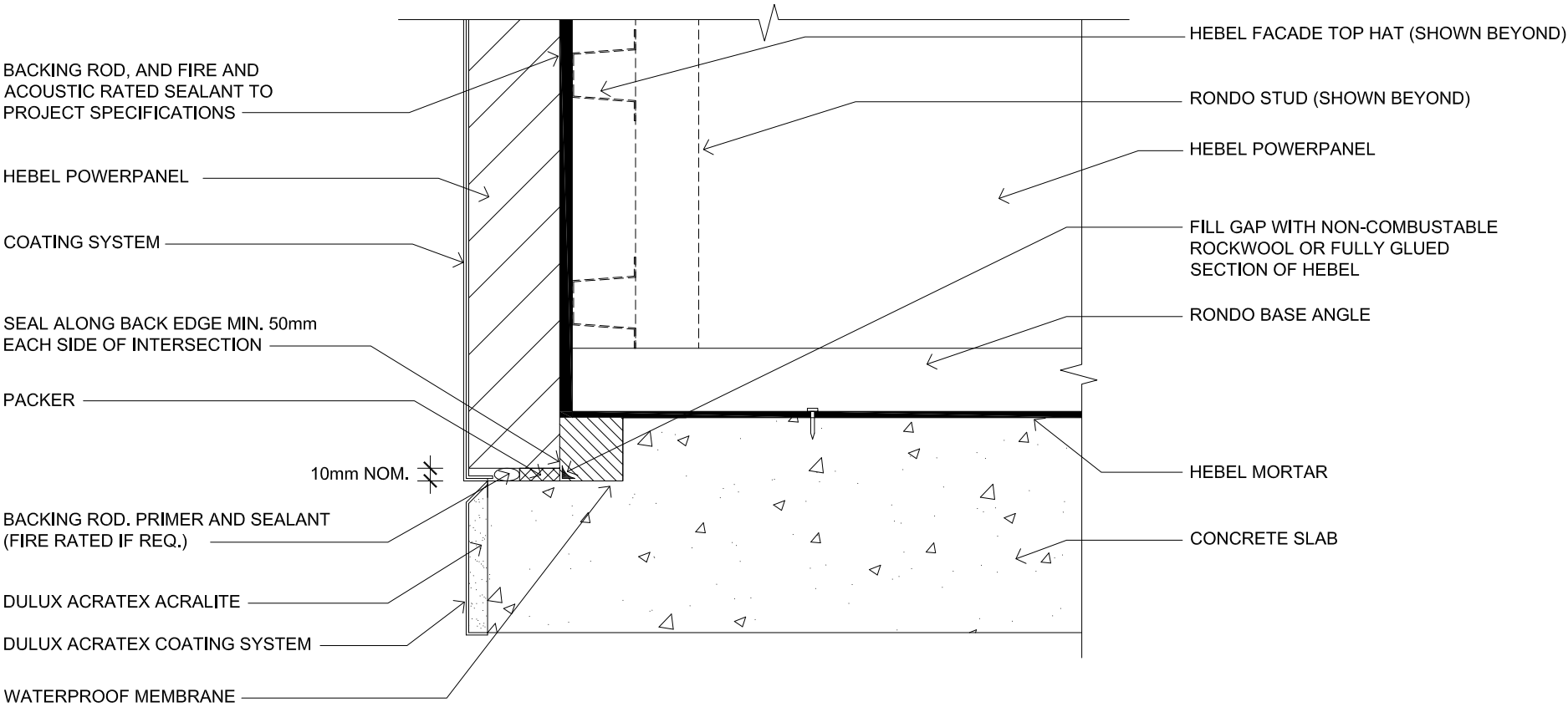
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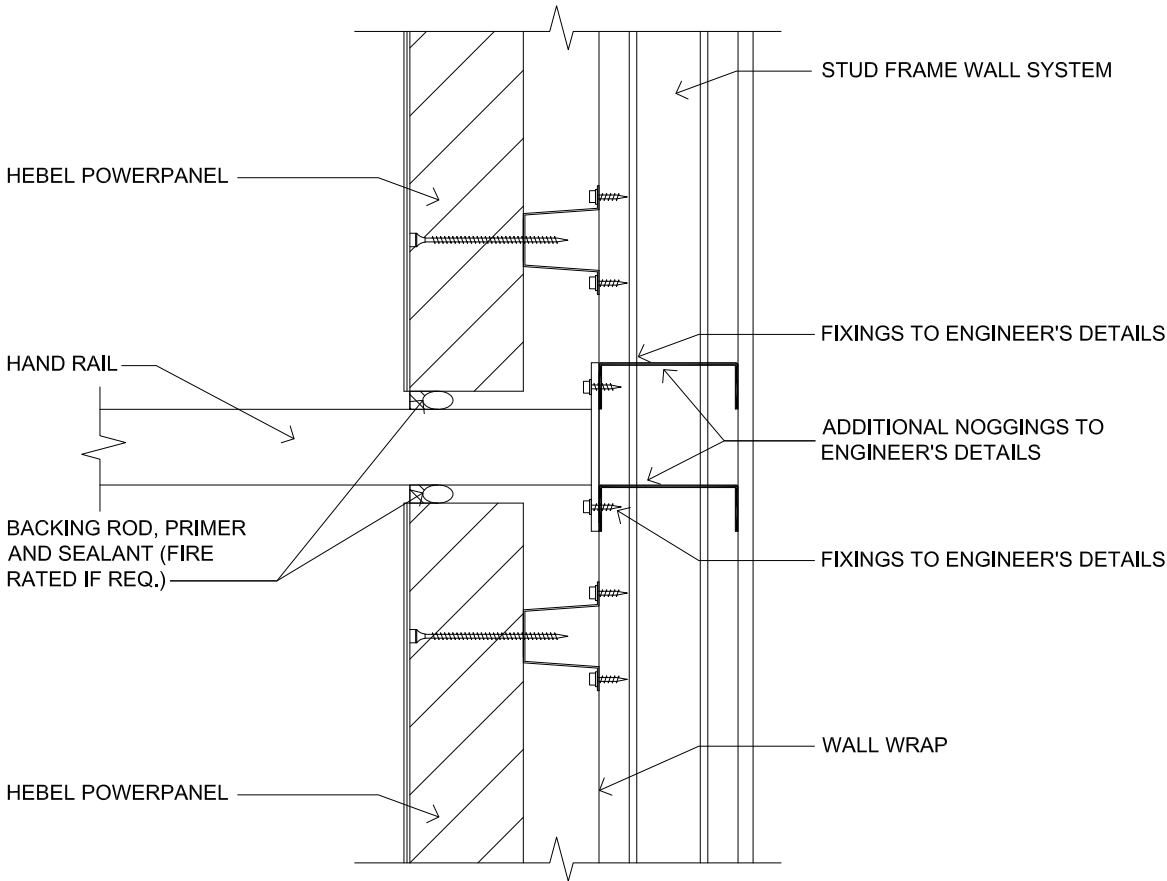
FIGURE	3.23	TITLE HIGH RISE MULTI-RESIDENTIAL FACADES CONSTRUCTION DETAILS			
		SCALE	SHEET SIZE	DRAWN	DATE
DESIGN GUIDE REFERENCE HEBEL 1269 JULY 2013	1:5 @ A3	15 of 17	A3	DA	14.05.14
			CHECK	CW	REVISION B

HIGH RISE MULTI-RESIDENTIAL FACADES
CONSTRUCTION DETAILS



INTERTENANCY FACADE JUNCTION DETAIL
SCALE: 1:5

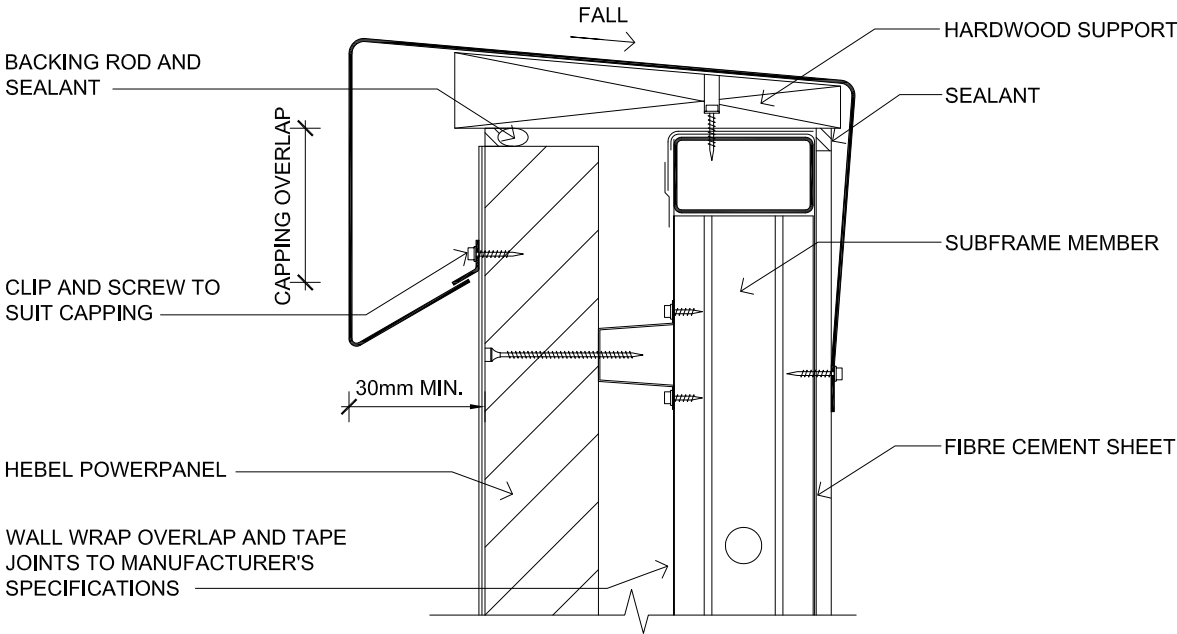
HIGH RISE MULTI-RESIDENTIAL FACADES CONSTRUCTION DETAILS



NOTE: ALL ELEMENTS TO BE SUPPORTED BY WALL SHALL BE CONNECTED TO THE STRUCTURAL STEEL FRAMING. NO LOADS ARE TO BE CARRIED BY HEBEL POWERPANEL CLADDING.

HANDRAIL ATTACHMENT

SCALE: 1:5



NOTE: PARAPET CAPPING SHALL BE DESIGNED AND FASTENED IN ACCORDANCE WITH SAA - HB39 1997 - INSTALLATION CODE FOR METAL ROOFING AND WALL CLADDING. STOP ENDS SHALL BE INCORPORATED TO ALL FLASHINGS.

PARAPET CAPPING

SCALE: 1:5

ULTIMATE DESIGN WIND PRESSURE (kPa)	CAPPING OVERLAP MINIMUM (mm)
1.5	50
3.5	100
5.0	150
7.0	200

CAPPING OVERLAP TABLE



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FIGURE	TITLE			
3.25 -3.26	HIGH RISE MULTI-RESIDENTIAL FACADES CONSTRUCTION DETAILS			
DESIGN GUIDE REFERENCE	SCALE	SHEET SIZE	DRAWN	DATE
HEBEL 1269 JULY 2013	1:5 @ A3	A3	DA	14.05.14
		SHEET NO.	CHECK	REVISION
		17 of 17	CW	B