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November 29, 2018

**Conrad
Gargett**

Crown Certifier
Blackett Maguire + Goldsmith Pty Ltd
PO Box 167
BROADWAY NSW 2007

Dear Patrick,

Re: Smalls Rd PS, Crown Certificate Application

Conrad Gargett confirms, to the best of our knowledge that the external walls of the Homebase building, including all components within them, inclusive of the façade covering, framing, sarking and insulation are designed to be non-combustible or comply with the concessions under Clause C1.9 of the BCA.

Clause C1.9(e) permits the below listed materials to be used wherever non-combustible materials are required:

- Plasterboard
- Perforated gypsum lath with a normal paper finish
- Fibrous-plaster sheet
- Fibre-reinforced cement sheeting
- Prefinished metal sheeting having a combustible surface finish not exceeding 1mm thickness and where Spread-of-Flame Index of the product is not greater than 0.
- Bonded laminated materials where -
 - o each lamina, including any core is non-combustible; and
 - o each lamina, including any core does not exceed 1mm in thickness and the total thickness of the adhesive layers does not exceed 2mm; and
 - o the Spread-of-Flame Index and the Smoke-Developed Index of the bonded laminated material as a whole do not exceed 0 and 3 respectively.

This is demonstrated in Appendix A attached.

Conrad Gargett confirms, to the best of our knowledge that Ancillary Elements (ie elements that are secondary to and not an integral part of another element to which it is attached) are designed to be non-combustible or comply with the concessions under Clause C1.9 of the BCA.

This is demonstrated in Appendix B attached.

Conrad Gargett does not accept liability to any third party who may rely on this certificate.

Regards,



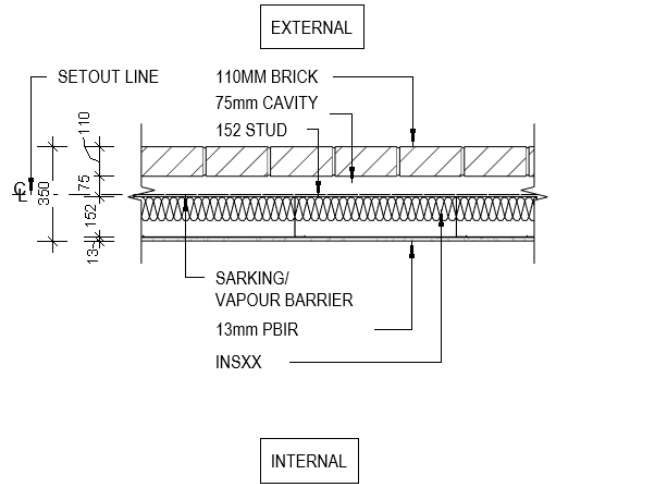
Jane McGarry
Senior Associate
Registered Architect NSW 10213
For and on behalf of Conrad Gargett

Appendix A

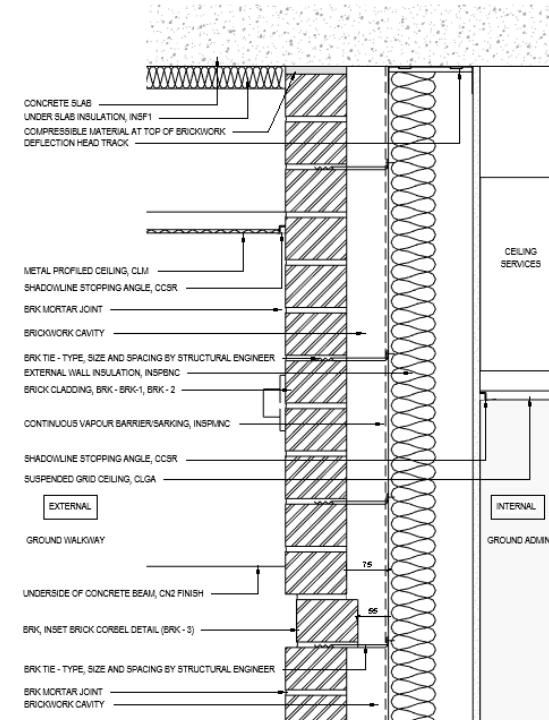
1.1 Exterior Wall Type: EXPT01 / EXPT01A Similar

Location : Ground Floor Outer Elevation

Description: External (Outer) Elevation Brickwork Cladding



EXPT01 (BRK1)	SIMILAR TO CSR 069 WITH IMPACTCHEK ON ONE SIDE OR EQUIVALENT
PERFORMANCE: R2.8	
EXPT01A	EXPT01 WITH TILE FINISH AND MR PLASTERBOARD ON INT. SIDE
PERFORMANCE: R2.8	SIMILAR TO CSR 069 WITH AQUACHEK ON TILE SIDE OR EQUIVALENT



Specifications as described in 9901 Building Fabric Schedule

BRK	Brickwork	Clay bricks in face-work. Bricks: To <i>Durability</i> requirements (see <i>Brick & Block Construction</i>); traditional pressed solid well-burnt bricks Bowral Bricks; Dry Pressed Face Bricks: Generally: Colour/Type: Murray Grey (2/3), Simmental Silver (1/3) Inset Brick datum detail: Colour/Type: Bowral Blue - Brick dimensions: 230mm L x 110mm W x 76mm H	Austral Bricks
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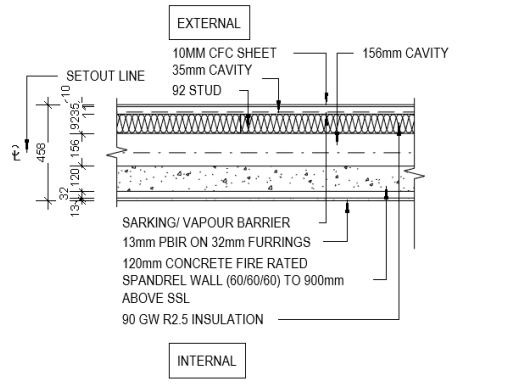
Mortar: colour White, Mortex from Cement Australia
 M3 – 1 type GP cement, 1 lime, 6 sand with cellulosic water thickener optional
 M4 – 2 type GP cement, 1 lime, 9 sand with cellulosic water thickener optional
 Pattern: Stretcher bond (typical)
 Sills: Brick on edge (typical)
 Horizontal Joints – Ironed Concave
 Allow for wall and mortar sample for approval prior to undertaking brickwork
 Layout and set-out – refer to drawings
 Location of brickwork – ground floor base cladding
 Perpendes - Ironed concave

###	Metal Studs	150mm metal studs generally on ground external walls; 92mm and 150mm metal studs on upper level external walls. Deflection heads in internal and external partitions required. Ground Floor and Level 01 deflection head tracks to allow for 10mm up/down movement TBC. Level 02 deflection heads tracks to allow for 15mm downward movement and 30mm uplift TBC. Additional noggings required in areas of whiteboard/pin-board/blackboard etc. Maxi-Jamb required for window sill support – refer to structural documentation.	
INSPBNC	Insulation, Partition Batt Non-Combustible	Provide <i>mineral wool</i> batt insulation, as required by the wall or partition system. Fire Properties: Non-combustible; provide certified <i>NCC</i> conformance; refer to <i>Fire Properties Schedule</i> . Thermal Performance (<i>Envelope Walls</i>): Not less than <i>R2.50</i> ; ensure <i>R2.80</i> whole wall performance (to conform to <i>NCC J1.5</i>). Acoustic Performance: Provide insulation not less than 90mm thick and 14kg/m3. Installation: Conform to the <i>ICANZ Industry Code of Practice for the Safe Use of Glass Wool & Rock Wool Insulation</i> . Cut accurately to required size (where practicable, pre-cut to required sizes off-site). Pack tightly at all joints, penetrations and perimeter abutments. Do not compress <i>NCC</i> -required insulation, except as specifically exempted by it.	Generic
INSPMNC	Insulation, Pliable Membrane Non-Combustible	Use a product certified <i>Non-Combustible</i> (AS 1530.1 test, refer also to <i>Fire Properties Schedule</i>) and conforming to AS/NZS 4200.1 classifications <i>Medium Duty</i> and (as appropriate to location) <i>Reflective</i> or <i>Anti-Glare Emittance</i> . Installation: Except as required by the <i>Manufacturer's Specification</i> for <i>NCC</i> conformance, conform to AS 4200.2. Always install clear of cables and wires, with the reflective face towards an air space adequate for reflective surface performance; arrange to ensure that condensate drains away or evaporates safely; secure, and seal joints and penetrations using no combustible materials. Use product suitable for Climate Zone 5 with vapour permeable properties	<i>TBA Firefly Non Combustible Sarking Breathable OR CSR Thermoseal Firespec</i>
PBIR	Plasterboard - Impact Resistant Wall Lining	Plasterboard purpose-designed to withstand high degree soft body impact, in other regards conforming to AS/NZS 2588, recessed-edge, <i>UNO</i> , 13mm nominal Gyprock Impactchek) in locations indicated in <i>PARTITION SCHEDULE</i> ; painted <i>UNO</i> .	Gyprock-Impactchek

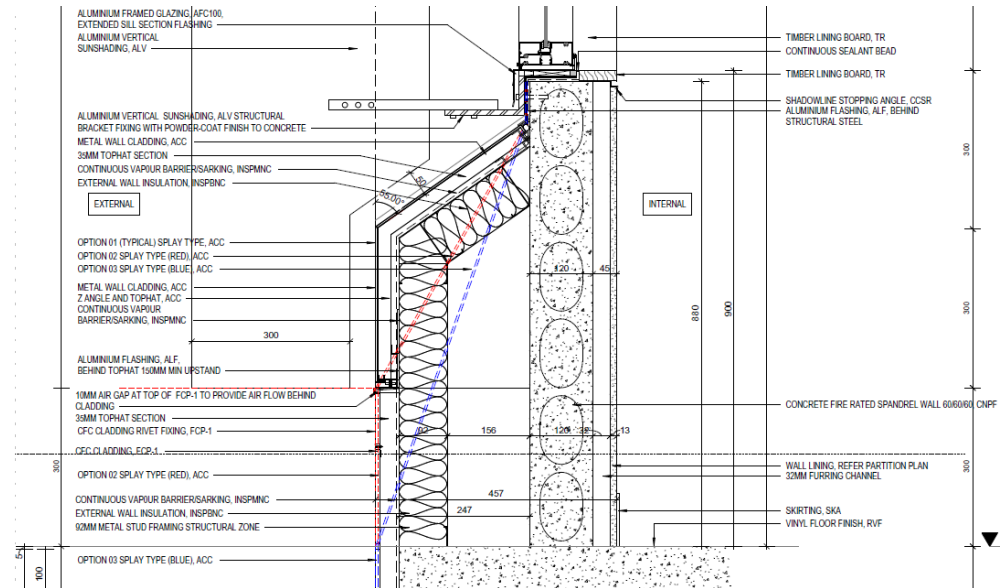
1.2 Exterior Wall Type: EXPT02 / EXPT02A Similar

Location : Home Bases Outer Elevation

Description: CFC exterior cladding



- EXPT02 (FCP-1) SIMILAR TO CSR 069 WITH IMPACTCHEK ON ONE SIDE OR EQUIVALENT
- PERFORMANCE: R2.8
- 1125mm X 600mm/1125mm X 300mm MODULE
- EXPT02A EXPT02 WITH TILE FINISH AND MR PLASTERBOARD ON INT. SIDE
- PERFORMANCE: R2.8 SIMILAR TO CSR 069 WITH AQUACHEK ON TILE SIDE OR EQUIVALENT



Specifications as described in 9901 Building Fabric Schedule

FCP-1 CFC, Panelised Panelised furring and through coloured Pre-finished Pliable sheeting system. Min. 8.0mm thick CFC sheets to AS/NZS 2908.2, Type A, Category 5 (modulus of rupture not less than 18MPa), cut to suit the layout with even joints and smooth even chip-free square edges; visible components shop-finished with extended warranty catalysed polyurethane system; no subsequent cutting. Furring channel and cavity to be 35mm. Perforated profile required at base and window heads to prevent vermin entering cavity. Insulation: TBC (breathable and non-combustible). Fixings: Visible (not recessed), set out to regular pattern – rivet fixed. Joint Sealing: Horizontal and vertical joints to be 10mm width. Horizontal joints to be closed with manufacturer approved horizontal joint profile. Vertical joints to be sealed with manufacturer approved UV resistant foam tape. Ventilation and drainage of cavity via openings at the top & bottom of the wall. Panel size typical: Module Size 1: 600mm H x 1130mm W, machined to Panel Size 595mm H x 1125mm W, set-out with 10mm vertical/horizontal gap. Module Size 2: 300mm H x 1130mm W, machined to Panel Size 295mm H x 1125mm W, set-out with 10mm vertical/horizontal gap. For other non-typical sizes refer to cladding set-out Elevations.

CSP Architectural OR Eternit OR Fairview Equitone [Tectiva/Natura] Equitone Fixing system or similar as approved by cladding manufacturer

Infill baffles required at vertical and horizontal joints to finger trap where cladding is exposed and within reach of children.

Location: level 01-02 external walls – refer to elevations for panel size and set-out

Rivet fixings at maximum 500mm centre distance based upon design wind load 1.2-2.0 kPa. Site Design wind loads to be confirmed by cladding subcontractor.

Fixings to be 100mm offset vertically (Equitone range 70-100mm) and 40mm offset horizontally (Equitone range 30- 45mm) from sheet edges as per manufacturer's recommendations so that alignment is consistent with adjacent cladding fixing positions. 10mm nominal joints.

Vertical joints are always sealed whilst the horizontal joints can remain open (further helping air flow) or be sealed via backing strip: main ventilation is achieved with a combination of the 35mm gap behind the panel and an opening at the top and bottom of the cladding.

Intumescent seal/fire stop required between floors where there is a continuous ventilated cavity and cladding that bridges multiple floors.

Refer to manufacturers standard details for additional information

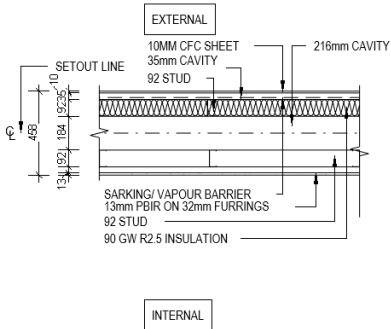
###	Metal Studs	See section 1.1 above	
INSPBNC	Insulation, Partition Batt Non- Combustible	See section 1.1 above	
INSPMNC	Insulation, Pliable Membrane Non- Combustible	See section 1.1 above	
CNPF	Concrete Permanent Formwork	Location: For 60/60/60 600mm-9000mm spandrel walls along entire outer building perimeter and returns to slab. Location: For 120/120/100 full height walls between concrete slab/beams Ensure that all permanent formwork is non-combustible – FC type	AFS120 LogicWall
PB	Plasterboard Wall Lining-As required.	To AS/NZS 2588, recessed-edge, 13mm <i>UNO</i> , recycled content; thickness and grade to <i>PARTITION SCHEDULE</i> ; ensure that the material grade (i.e. fire-resistant, water-resistant, impact-resistant, etc.) is suitable for the application and performance; flush-set fixings and joints; painted <i>UNO</i> . For fire-resistant uses, use products acceptable for use in the accredited fire-resistant construction system used. Security mesh. Protective finish Galvanised. Nominal Size of mesh :LWM:100mm SWM:50mm Nominal strand Size: Width: 4.0mm Thick 2.0mm Weight:2.5kg/Sqm.-	Gyprock

SKA	Skirting, Aluminium Flat	Clear anodised 150x2.0mm flat; adhere to wall sheeting after its rectification to suitable smoothness; fold around salient corners (do not join within 300mm of a salient corner).
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1.3 Exterior Wall Type: EXPT03A

Location : Home Bases Outer Elevation (1st and 2nd Floors)

Description: Lightweight framing; CFC exterior cladding



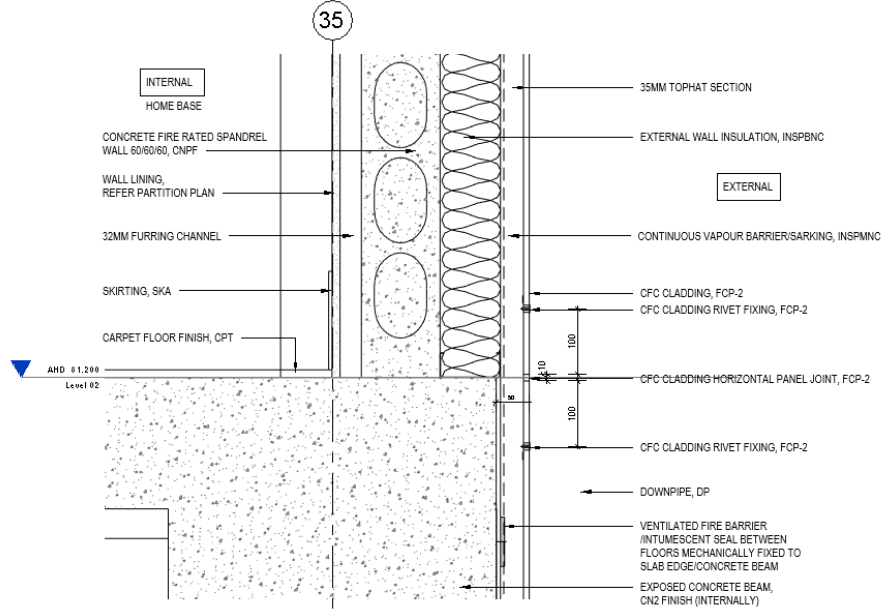
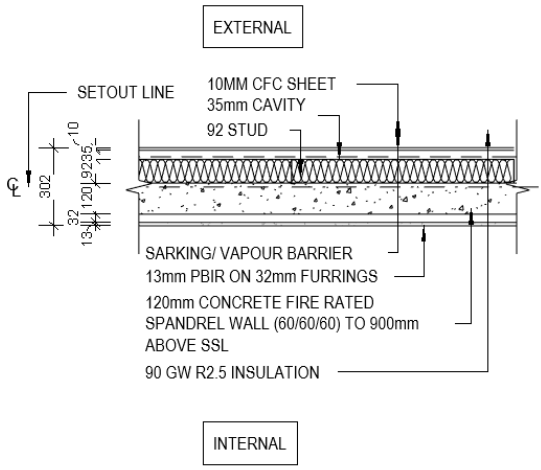
EXPT03 (FCP-1) SIMILAR TO CSR 069 WITH IMPACTCHEK ON ONE SIDE OR EQUIVALENT
 PERFORMANCE: R2.8
 1125mm X 600mm/1125mm X 300mm MODULE
 EXPT03A EXPT02 WITH TILE FINISH AND MR PLASTERBOARD ON INT. SIDE
 PERFORMANCE: R2.8 SIMILAR TO CSR 069 WITH AQUACHEK ON TILE SIDE OR EQUIVALENT

FCP-1	CFC, Panelised	See section 1.2 above
###	Metal Studs	See section 1.1 above
INSPBNC	Insulation, Partition Batt Non-Combustible	See section 1.1 above
INSPMNC	Insulation, Pliable Membrane Non-Combustible	See section 1.1 above

1.4 Exterior Wall Type: EXPT05

Location : Home Bases Outer Elevation

Description: CFC exterior cladding



EXPT05 (FCP-2) SIMILAR TO CSR 069 WITH IMPACTCHEK ON ONE SIDE OR EQUIVALENT
 PERFORMANCE: R2.8
 1200mm X 1200mm/1200mm X 2400mm MODULE

Specifications as described in 9901 Building Fabric Schedule

FCP-2	CFC, Panelised	<p>Panelised furring and through coloured Pre-finished CFC sheeting system. Min. 8.0mm thick CFC sheets to AS/NZS 2908.2, Type A, Category 5 (modulus of rupture not less than 18MPa), cut to suit the layout with even joints and smooth even chip-free square edges; visible components shop-finished with extended warranty catalysed polyurethane system; no subsequent cutting. Furring channel and cavity to be 35mm. Perforated profile required at base and window heads to prevent vermin entering cavity. Insulation: TBC (breathable and non-combustible). Fixings: Visible (not recessed), set out to regular pattern – rivet fixed. Joint Sealing: Horizontal and vertical joints to be 10mm width. Horizontal joints to be closed with manufacturer approved horizontal joint profile. Vertical joints to be sealed with manufacturer approved UV resistant foam tape. Ventilation and drainage of cavity via openings at the top & bottom of the wall. Panel size typical: Module Size 1: 2400mm H x 1200mm W, machined to Panel Size 2395mm H x 1195mm W, set-out with 10mm vertical/horizontal gap. Module Size 2: 1220mm H x 1200mm W, machined to Panel Size 1215mm H x 1195mm W, set-out with 10mm vertical/horizontal gap. For other non-typical sizes refer to cladding set-out Elevations – sheets to be cut to suit glazing including circular windows.</p>	<p>CSP Architectural OR Eternit OR Fairview Equitone [Tectiva/Natura] Equitone Fixing system or similar as approved by cladding manufacturer</p>
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Infill baffles required at vertical and horizontal joints to finger trap where cladding is exposed and within reach of children.

Location: Return walls at building breaks – refer to elevations for panel size and set-out. Also Main roof soffit finish – refer *CLFCP1*.

Rivet fixings at maximum 500mm centre distance based upon design wind load 1.2-2.0 kPa. Site Design wind loads to be confirmed by cladding subcontractor.

Fixings to be 100mm offset vertically (Equitone range 70-100mm) and 40mm offset horizontally (Equitone range 30- 45mm) from sheet edges as per manufacturer’s recommendations so that alignment is consistent with adjacent cladding fixing positions (FCP-3). 10mm nominal joints.

Vertical joints are always sealed whilst the horizontal joints can remain open (further helping air flow) or be sealed via backing strip: main ventilation is achieved with a combination of the 35mm gap behind the panel and an opening at the top and bottom of the cladding. Intumescent seal/fire stop required between floors where there is a continuous ventilated cavity and cladding that bridges multiple floors.

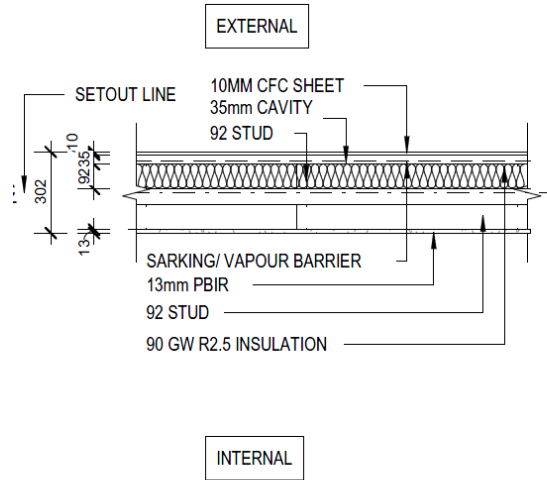
Refer to manufacturers standard details for additional information

###	Metal Studs	See section 1.1 above
INSPBNC	Insulation, Partition Batt Non- Combustible	See section 1.1 above
INSPMNC	Insulation, Pliable Membrane Non- Combustible	See section 1.1 above
CNPF	Concrete Permanent Formwork	See section 1.2 above
PBIR	Plasterboard - Impact Resistant Wall Lining	See section 1.1 above
SKA	Skirting, Aluminium Flat	See section 1.2 above

1.5 Exterior Wall Type: EXPT06

Location : Home Bases Side Elevation (1st and 2nd Floors)

Description: Lightweight framing; CFC exterior cladding



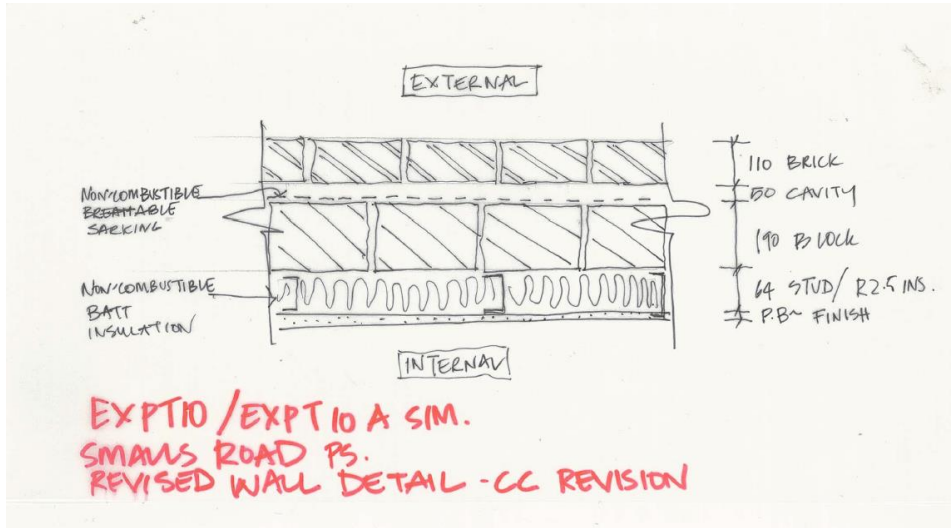
EXPT06 (FCP-2) SIMILAR TO CSR 069 WITH IMPACTCHEK ON ONE SIDE OR EQUIVALENT
 PERFORMANCE: R2.8
 1200mm X 1200mm/1200mm X 2400mm MODULE

FCP-2	CFC, Panelised	See section 1.4 above
###	Metal Studs	See section 1.1 above
INSPBNC	Insulation, Partition Batt Non- Combustible	See section 1.1 above
INSPMNC	Insulation, Pliable Membrane Non- Combustible	See section 1.1 above
PBIR	Plasterboard - Impact Resistant Wall Lining	See section 1.1 above

1.6 Exterior Wall Type: EXPT10 / EXPT10A Similar

Location : Ground Floor Side Elevation

Description: External (Sides) Fire Wall



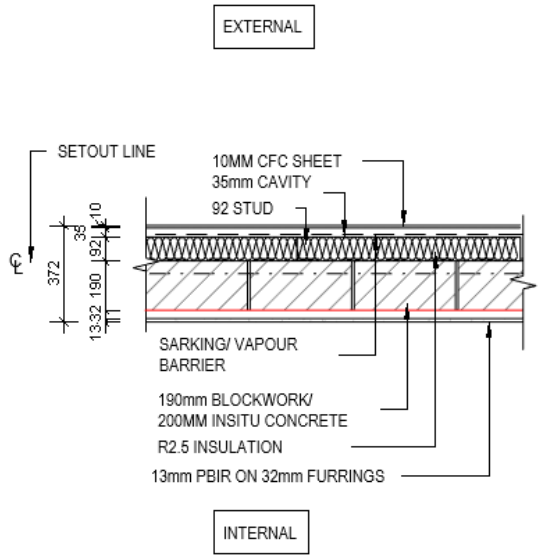
Specifications as described in 9901 Building Fabric Schedule

BRK	Brickwork	See section 1.1 above	
BLK	Blockwork	Concrete 190mm blockwork. Areas as indicated on plans. Paint finish to Blockwork in rooms as follows: TBC	Generic
INSPMNC	Insulation, Pliable Membrane Non- Combustible	See section 1.1 above	

1.7 Exterior Wall Type: EXPT11

Location : Home Bases Side Elevation (1st and 2nd Floors at Fire Rated Locations)

Description: External (Sides) Fire Wall



EXPT11 (FCP2 AND BLK/CONC)

PERFORMANCE: R2.8
FRL: 120/120/120

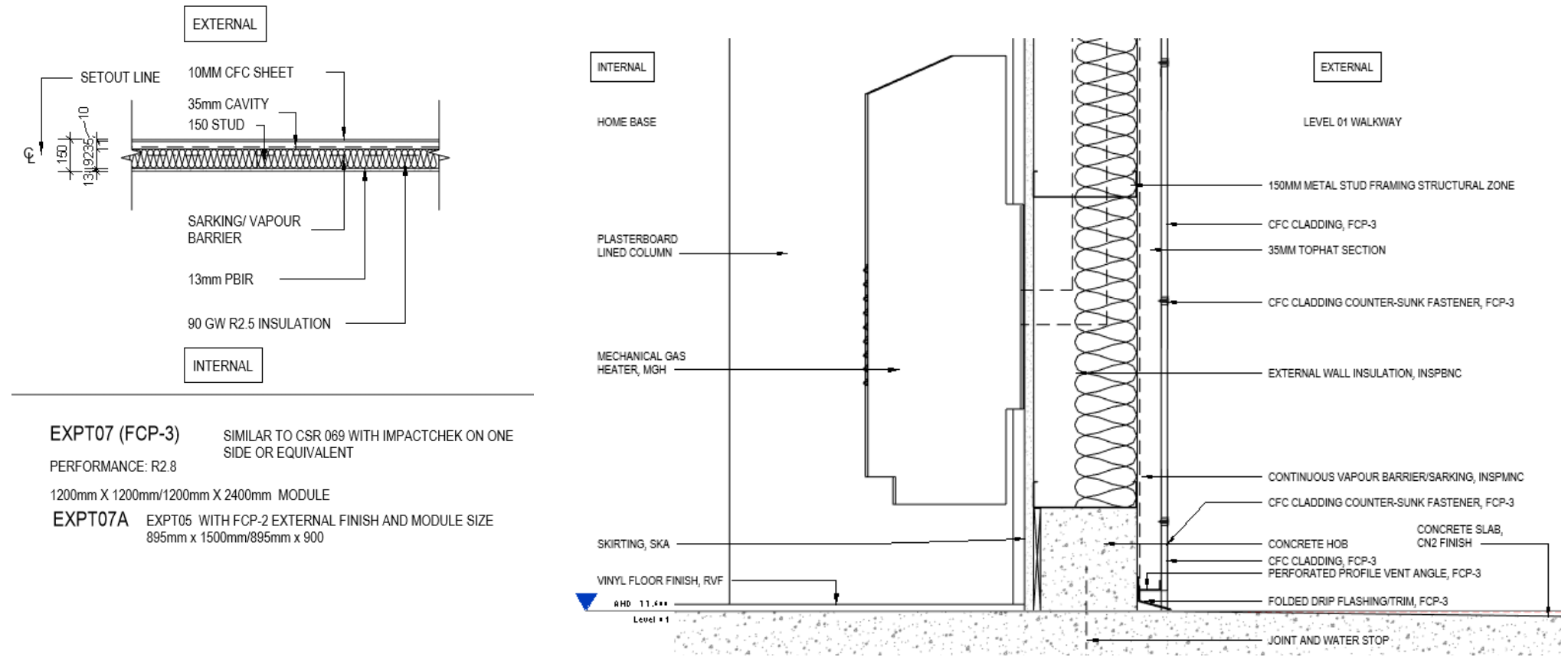
BLK	Blockwork	See section 1.6 above
FCP-2	CFC, Panelised	See section 1.4 above
###	Metal Studs	See section 1.1 above
INSPBNC	Insulation, Partition Batt Non- Combustible	See section 1.1 above
INSPMNC	Insulation, Pliable Membrane Non- Combustible	See section 1.1 above

PB Plasterboard Wall Lining-As required. See section 1.2 above

1.8 Exterior Wall Type: EXPT07(FCP-3) – EXPT07(FCP-2) Similar

Location : Home Bases Inner Elevation

Description: Lightweight framing; CFC exterior cladding



Specifications as described in 9901 Building Fabric Schedule

FCP-3 CFC, Panelised

Panelised furring and bespoke coloured Pre-finished CFC sheeting system. Min. 8.0mm thick CFC sheets to AS/NZS 2908.2, *Type A, Category 5* (modulus of rupture not less than 18MPa), cut to suit the layout with even joints and smooth even chip-free square edges; visible components shop-finished with extended warranty catalysed polyurethane system; no subsequent cutting. Expose edges at corners to be colour matched as per surface finish.

Furring channel and cavity to be 35mm. Perforated profile required at base and window heads to prevent vermin entering cavity.

Insulation: *TBC* (breathable and non-combustible).

Fixings: Visible set out to regular pattern

Joint Sealing: Horizontal and vertical joints to be 10mm width. Horizontal joints to be closed with manufacturer approved horizontal joint profile. Vertical joints to be sealed with manufacturer approved UV resistant foam tape.

Ventilation and drainage of cavity via openings at the top & bottom of the wall.

Panel size typical: Module Size: 1500mm H x 895mm W, machined to Panel Size 1495mm H x 890mm W, set-out with 10mm vertical/horizontal gap. For other non-typical sizes refer to cladding set-out Elevations.

Infill baffles required at vertical and horizontal joints to finger trap where cladding is exposed and within reach of children.

Location: level 01-02 courtyard external walls – refer to elevations for panel size and set-out

Counter-sunk fastener fixings at maximum 500mm centre distance based upon design wind load 1.2-2.0 kPa. Site Design wind loads to be confirmed by cladding subcontractor.

Fixings to be 100mm offset vertically (Exotec 100mm) and 40mm offset horizontally (Exotec 40mm) from sheet edges as per manufacturer’s recommendations so that alignment is consistent with adjacent cladding fixing positions (FCP-2). 10mm nominal joints.

Vertical joints are always sealed whilst the horizontal joints can remain open (further helping air flow) or be sealed via backing strip: main ventilation is achieved with a combination of the 35mm gap behind the panel and an opening at the top and bottom of the cladding. Intumescent seal/fire stop required between floors where there is a continuous ventilated cavity and cladding that bridges multiple floors.

Refer to manufacturers standard details for additional information

CSP Architectural OR
VitraGroup
Vitrapanel
ExoTec Fixing system or
similar as approved by
cladding manufacturer

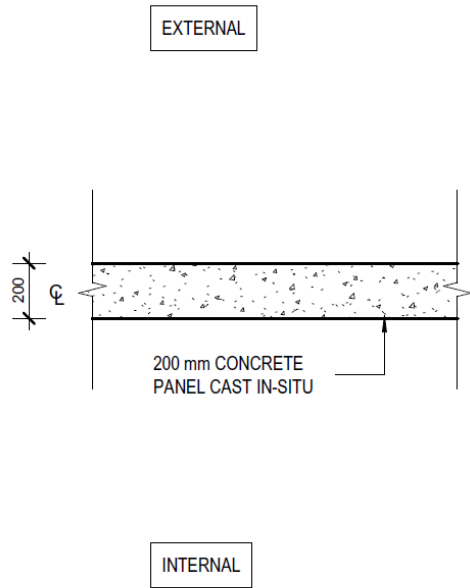
###	Metal Studs	See section 1.1 above
INSPBNC	Insulation, Partition Batt Non- Combustible	See section 1.1 above
INSPMNC	Insulation, Pliable Membrane Non- Combustible	See section 1.1 above
PBIR	Plasterboard - Impact	See section 1.1 above

Resistant Wall
Lining

1.9 Exterior Wall Type: EXPT16

Location : Life shaft and staircase

Description: Concrete Panel Cast In Situ



EXPT16 (CONC. PANEL)

PERFORMANCE: N/A

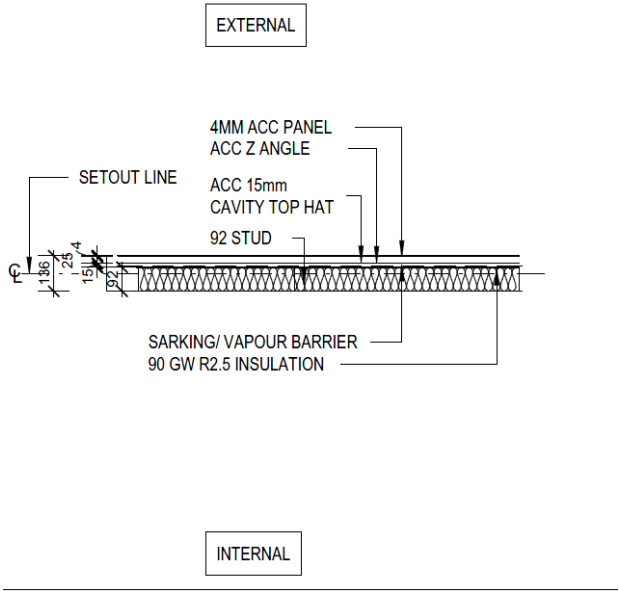
Specifications as described in 9901 Building Fabric Schedule

CNPI	Concrete Panel In-situ	Location: Lift Core walls and level 01/02 wet areas on SE Elevation. For joints and formwork refer to Elevations and Lift Details. Finish: CN2	N/A
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1.10 Exterior Wall Type: EXPT20

Location : Outer Elevation

Description: WINDOW SPLAYS/REVEALS



EXPT20 (ACC CLADDING) - WINDOW SPLAYS/REVEALS

PERFORMANCE: R2.8

Specifications as described in 9901 Building Fabric Schedule

ACC	Cladding, Aluminium Composite	<p>Fireproof Non Combustible Aluminium Composite Panel with PVDF coating may be used where non-combustible materials are required, as specified by part C1.12 of the Building Code of Australia. To be Non-Combustible in accordance with specification C1.12 of the BCA and tested to AS1530.1 and AS1530.3.</p> <p>Mechanically fixed to metal top hat sections, which are fixed onto the wall frame. The fixing technique is dependent on the fixing location and wind load requirements. All fixings and supports as per manufacturer's recommendations –</p> <p>Concealed fix cassette installation - z-angles at panel joints fixed to top-hat sections generally. Additionally tape fix in specific locations as per manufacturer's recommendations.</p> <p>System Fire Properties: To requirements specified above, certified.</p> <p>Fixing & Trim: Aligned joints; non-sequential installation to facilitate replacement; concealed mechanical fixings; joints sealed; trims fabricated from extruded aluminium, accurately preformed to required shapes, factory finished with high-durability two-pack paint system to match adjacent panels.</p>	Fairview Vitracore G2 4mm
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Folded continuous sections as per documentation with non-combustible silicone caulking and backing rod at joints as required. 2 Bay (Approx. 2270mm W single panel – no joint), 3 Bay (Approx. 3390mm W single panel – no joint), 5 Bay (Approx. 5650mm W - 3 panels – joints centred on mullions). 3 splay angles as per architectural documentation – generally SPLAY TYPE 1 with selected SPLAY TYPE 2 and SPLAY TYPE 3. Numbers and location as per documentation.
15 Year Warranty

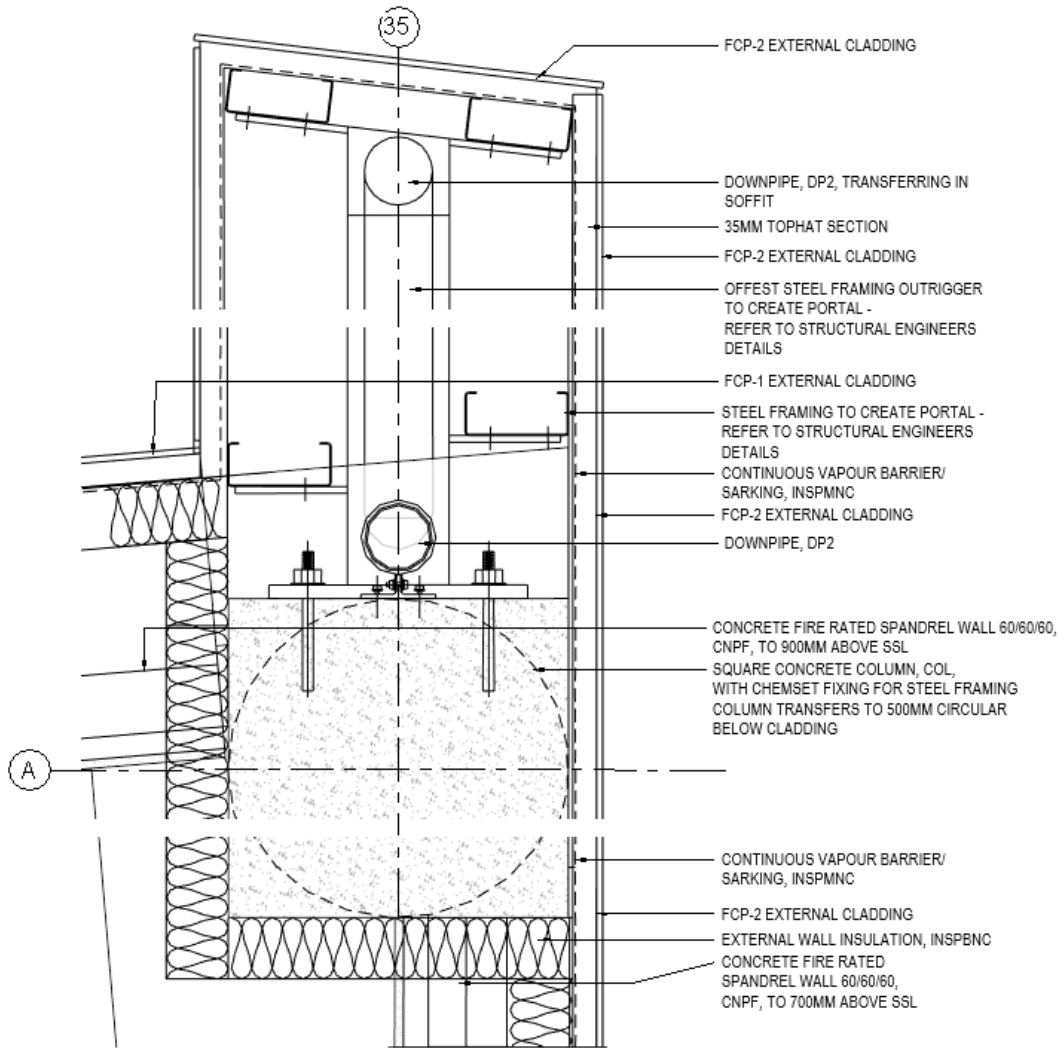
###	Metal Studs	See section 1.1 above
INSPBNC	Insulation, Partition Batt Non- Combustible	See section 1.1 above
INSPMNC	Insulation, Pliable Membrane Non- Combustible	See section 1.1 above

Appendix B

2.1 Ancillary Elements – Break Corner Cladding

Location : External Corner of Blocks – Grid A (1st and 2nd Floors)

Description: FCP2 Cladding Plan Detail (Break)



Specifications as described in 9901 Building Fabric Schedule

COL

Column, Concrete

See CN2

COL

CN2	Concrete, Class 2 Formed (not colour-controlled)	<p>Scope & Location: As <i>shown</i>. Additionally to <i>Concrete</i> specification: Provide surfaces conforming to AS 3610.1 <i>Class 2</i>; particular requirements:-</p> <ul style="list-style-type: none"> • Element critical faces as <i>directed</i> (determined with regard to lighting and view prominence). • Use uniform materials (generally melamine-faced ply), with the minimum of make-up pieces, 20mm fillets to form chamfers at salient corners of the concrete (mitred at their corners), and flush, smooth fixings at the form face. • set out span direction transversely to the prevailing direction of the light at lowest angle of incidence to the concrete surface • Set out form joints to a regular pattern, with extras or dummies to complete it. • Face step separation at least 1,000mm. • Set out form ties to a regular pattern, with extras or dummies to complete the pattern; fill holes with compacted epoxy grout, tooled neatly, 3.0mm below the concrete surface. • Form pour joints with recessed beads to prevent surface steps and mortar leakage. <p>Repairs: As <i>directed</i> (do not repair until <i>directed</i>); where for painting, repairs entail filling and grinding so that no face step, protrusion, blowhole or scar shows in the painted surface. Sealer: SEAL</p>	N/A
CNPf	Concrete Permanent Formwork	<p>Location: For 60/60/60 600mm-9000mm spandrel walls along entire outer building perimeter and returns to slab. Location: For 120/120/100 full height walls between concrete slab/beams Ensure that all permanent formwork is non-combustible – FC type</p>	AFS120 LogicWall
FCP-1	CFC, Panelised	<p>Panelised furring and through coloured Pre-finished CFC sheeting system. Min. 8.0mm thick <i>CFC</i> sheets to AS/NZS 2908.2, <i>Type A, Category 5</i> (modulus of rupture not less than 18MPa), cut to suit the layout with even joints and smooth even chip-free square edges; visible components shop-finished with</p>	<p>CSP Architectural OR Eternit OR Fairview Equitone [Tectiva/Natura] Equitone Fixing system or similar as approved by cladding manufacturer</p>

extended warranty catalysed polyurethane system; no subsequent cutting.

Furring channel and cavity to be 35mm. Perforated profile required at base and window heads to prevent vermin entering cavity.

Insulation: *TBC* (breathable and non-combustible).

Fixings: Visible (not recessed), set out to regular pattern – rivet fixed.

Joint Sealing: Horizontal and vertical joints to be 10mm width. Horizontal joints to be closed with manufacturer approved horizontal joint profile. Vertical joints to be sealed with manufacturer approved UV resistant foam tape. Ventilation and drainage of cavity via openings at the top & bottom of the wall.

Panel size typical: Module Size 1: 600mm H x 1130mm W, machined to Panel Size 595mm H x 1125mm W, set-out with 10mm vertical/horizontal gap. Module Size 2: 300mm H x 1130mm W, machined to Panel Size 295mm H x 1125mm W, set-out with 10mm vertical/horizontal gap. For other non-typical sizes refer to cladding set-out Elevations.

Infill baffles required at vertical and horizontal joints to finger trap where cladding is exposed and within reach of children.

Location: level 01-02 external walls – refer to elevations for panel size and set-out

Rivet fixings at maximum 500mm centre distance based upon design wind load 1.2-2.0 kPa. Site Design wind loads to be confirmed by cladding subcontractor.

Fixings to be 100mm offset vertically (Equitone range 70-100mm) and 40mm offset horizontally (Equitone range 30-45mm) from sheet edges as per manufacturer's

recommendations so that alignment is consistent with adjacent cladding fixing positions. 10mm nominal joints.

Vertical joints are always sealed whilst the horizontal joints can remain open (further helping air flow) or be sealed via backing strip: main ventilation is achieved with a combination of the 35mm gap behind the panel and an opening at the top and bottom of the cladding.

Intumescent seal/fire stop required between floors where there is a continuous ventilated cavity and cladding that bridges multiple floors.

Refer to manufacturers standard details for additional information

FCP-2	CFC, Panelised	<p>Panelised furring and through coloured Pre-finished CFC sheeting system. Min. 8.0mm thick CFC sheets to AS/NZS 2908.2, <i>Type A, Category 5</i> (modulus of rupture not less than 18MPa), cut to suit the layout with even joints and smooth even chip-free square edges; visible components shop-finished with extended warranty catalysed polyurethane system; no subsequent cutting. Furring channel and cavity to be 35mm. Perforated profile required at base and window heads to prevent vermin entering cavity. Insulation: <i>TBC</i> (breathable and non-combustible). Fixings: Visible (not recessed), set out to regular pattern – rivet fixed. Joint Sealing: Horizontal and vertical joints to be 10mm width. Horizontal joints to be closed with manufacturer approved horizontal joint profile. Vertical joints to be sealed with manufacturer approved UV resistant foam tape. Ventilation and drainage of cavity via openings at the top & bottom of the wall. Panel size typical: Module Size 1: 2400mm H x 1200mm W, machined to Panel Size 2395mm H x 1195mm W, set-out with 10mm vertical/horizontal gap. Module Size 2: 1220mm H x 1200mm W, machined to Panel Size 1215mm H x 1195mm W, set-out with 10mm vertical/horizontal gap. For other non-typical sizes refer to cladding set-out Elevations – sheets to be cut to suit glazing including circular windows. Infill baffles required at vertical and horizontal joints to finger trap where cladding is exposed and within reach of children. Location: Return walls at building breaks – refer to elevations for panel size and set-out. Also Main roof soffit finish – refer <i>CLFCP1</i>. Rivet fixings at maximum 500mm centre distance based upon design wind load 1.2-2.0 kPa. Site Design wind loads to be confirmed by cladding subcontractor. Fixings to be 100mm offset vertically (Equitone range 70-100mm) and 40mm offset horizontally (Equitone range 30-45mm) from sheet edges as per manufacturer's recommendations so that alignment is consistent with adjacent cladding fixing positions (FCP-3). 10mm nominal joints. Vertical joints are always sealed whilst the horizontal joints can remain open (further helping air flow) or be sealed via backing strip: main ventilation is achieved with a combination</p>	<p>CSP Architectural OR Eternit OR Fairview Equitone [Tectiva/Natura] Equitone Fixing system or similar as approved by cladding manufacturer</p>
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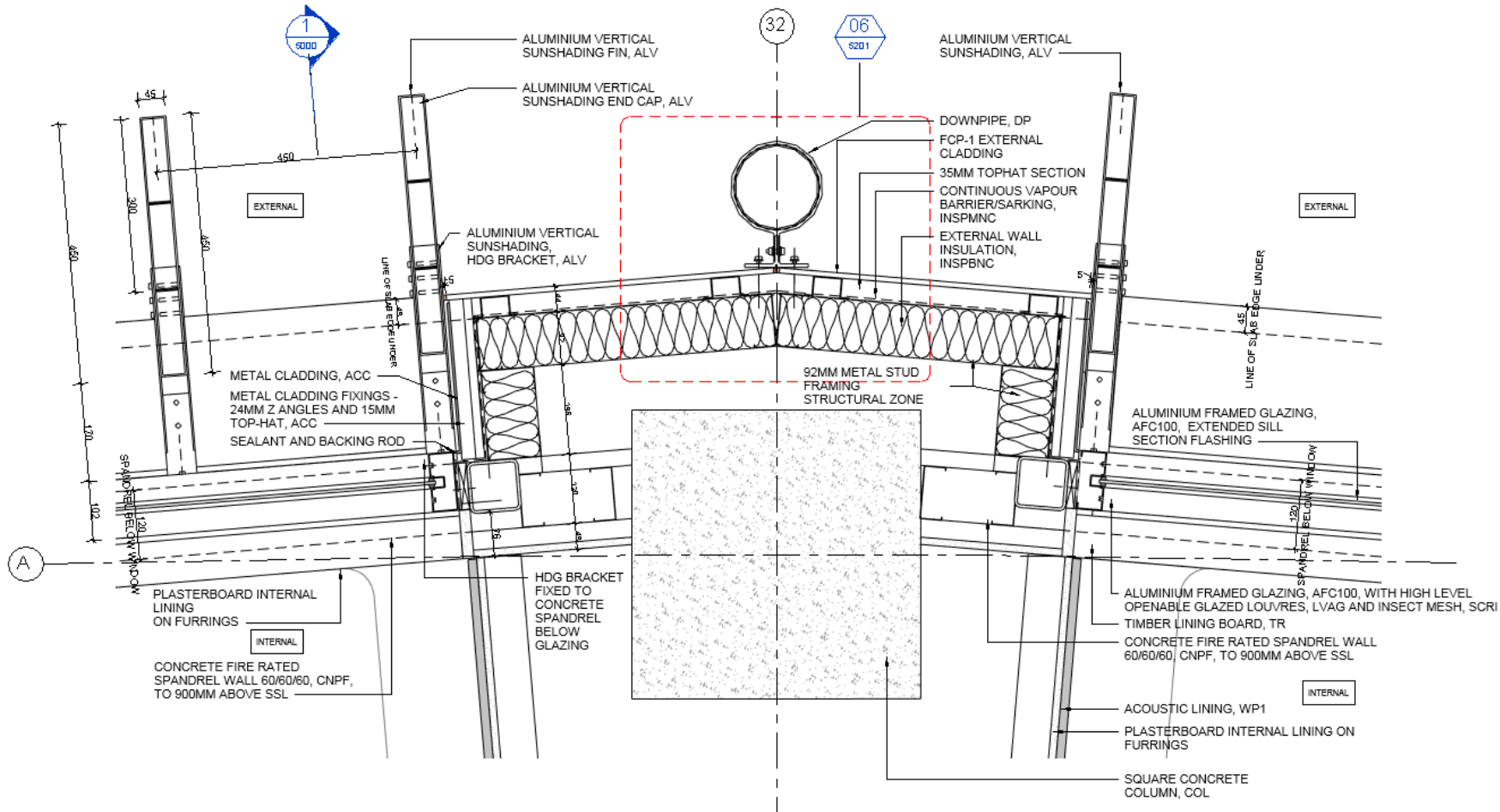
of the 35mm gap behind the panel and an opening at the top and bottom of the cladding. Intumescent seal/fire stop required between floors where there is a continuous ventilated cavity and cladding that bridges multiple floors. Refer to manufacturers standard details for additional information

INSPBNC	Insulation, Partition Batt Non- Combustible	<p>Provide <i>mineral wool</i> batt insulation, as required by the wall or partition system.</p> <p>Fire Properties: Non-combustible; provide certified <i>NCC</i> conformance; refer to <i>Fire Properties Schedule</i>.</p> <p>Thermal Performance (<i>Envelope Walls</i>): Not less than <i>R2.50</i>; ensure <i>R2.80</i> whole wall performance (to conform to <i>NCC J1.5</i>).</p> <p>Acoustic Performance: Provide insulation not less than 90mm thick and 14kg/m³.</p> <p>Installation: Conform to the <i>ICANZ Industry Code of Practice for the Safe Use of Glass Wool & Rock Wool Insulation</i>. Cut accurately to required size (where practicable, pre-cut to required sizes off-site). Pack tightly at all joints, penetrations and perimeter abutments. Do not compress <i>NCC</i>-required insulation, except as specifically exempted by it.</p>	Generic
INSPMNC	Insulation, Pliable Membrane Non-Combustible,	<p>Use a product certified <i>Non-Combustible</i> (AS 1530.1 test, refer also to <i>Fire Properties Schedule</i>) and conforming to AS/NZS 4200.1 classifications <i>Medium Duty</i> and (as appropriate to location) <i>Reflective</i> or <i>Anti-Glare Emittance</i>.</p> <p>Installation: Except as required by the <i>Manufacturer's Specification</i> for <i>NCC</i> conformance, conform to AS 4200.2. Always install clear of cables and wires, with the reflective face towards an air space adequate for reflective surface performance; arrange to ensure that condensate drains away or evaporates safely; secure, and seal joins and penetrations using no combustible materials.</p> <p>Use product suitable for Climate Zone 5 with vapour permeable properties</p>	<p><i>TBA Firefly Non Combustible Sarking Breathable</i> OR <i>CSR Thermoseal Firespec</i></p>

2.2 Ancillary Elements – External Column Cladding

Location : External Elevation – Grid A (1st and 2nd Floors)

Description: FCP1 Cladding Plan Detail (Outer - Column)



Specifications as described in 9901 Building Fabric Schedule

ACC	Cladding, Aluminium Composite	Fireproof Non Combustible Aluminium Composite Panel with PVDF coating may be used where non-combustible materials are required, as specified by part C1.12 of the Building Code of Australia. To be Non-Combustible in accordance with specification C1.12 of the BCA and tested to AS1530.1 and AS1530.3.	Fairview Vitracore G2 4mm
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Mechanically fixed to metal top hat sections, which are fixed onto the wall frame. The fixing technique is dependent on the fixing location and wind load requirements. All fixings and supports as per manufacturer's recommendations –

Concealed fix cassette installation - z-angles at panel joints fixed to top-hat sections generally.

Additionally tape fix in specific locations as per manufacturer's recommendations.

System Fire Properties: To requirements specified above, certified.

Fixing & Trim: Aligned joints; non-sequential installation to facilitate replacement; concealed mechanical fixings; joints sealed; trims fabricated from extruded aluminium, accurately preformed to required shapes, factory finished with high-durability two-pack paint system to match adjacent panels.

Folded continuous sections as per documentation with non-combustible silicone caulking and backing rod at joints as required. 2 Bay (Approx. 2270mm W single panel – no joint), 3 Bay (Approx. 3390mm W single panel – no joint), 5 Bay (Approx. 5650mm W - 3 panels – joints centred on mullions). 3 splay angles as per architectural documentation – generally SPLAY TYPE 1 with selected SPLAY TYPE 2 and SPLAY TYPE 3. Numbers and location as per documentation.

15 Year Warranty

LVAG	Louvres, Adjustable Glass	<p>Glass adjustable louvres; aluminium gallery clip system for 6.38mm laminated glass blades, with internal operation and locking pantograph, head and sill weather seals and closure self-retention, to comply with <i>BCA</i> and <i>AS 2047</i> wind and water penetration requirements. DoE requirement: Maximum width 1,120mm; laminated glass. Blades: <i>GZ1, GZ2</i>. Framing: <i>JX Series</i> Screens: Provide <i>SCRI</i> (part of LVAG System) Operation: Motorised <i>Arens</i> fork and swivel with <i>MDCR212</i> winder Whole of Window Values: U: TBC SHGC: TBC</p>	<p>Louvre System: <i>Safetyline</i> <i>Jalousie</i> Winder: <i>Arens</i></p>
PB	Plasterboard Wall Lining-As required.	<p>To <i>AS/NZS 2588</i>, recessed-edge, 13mm <i>UNO</i>, recycled content; thickness and grade to <i>PARTITION SCHEDULE</i>; ensure that the material grade (i.e. fire-resistant, water-resistant, impact-resistant, etc.) is suitable for the application and performance; flush-set fixings and joints; painted <i>UNO</i>. For fire-resistant uses, use products acceptable for use in the accredited fire-resistant construction system used.</p>	Gyprock

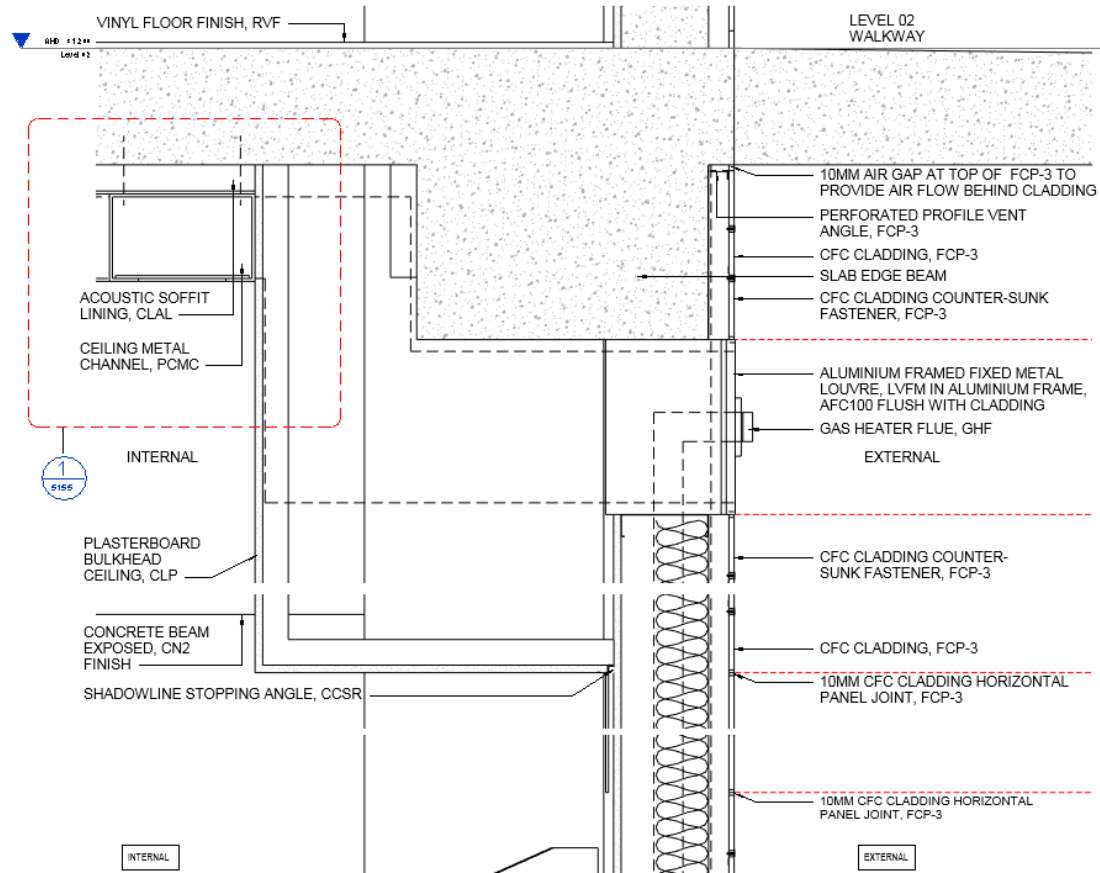
Security mesh. Protective finish Galvanised.
 Nominal Size of mesh :LWM:100mm SWM:50mm
 Nominal strand Size: Width: 4.0mm Thick 2.0mm Weight:2.5kg/Sqm.-

SCRI	Screen Insect	<p>DoE Requirement: Fly screening must be provided to all doors, windows and other openings in food preparation, biology, non-water-closet toilet spaces, and elsewhere as specifically nominated in the <i>EFSG</i>. To be included for all openable windows, glazed louvres and metal louvres.</p> <p>SS: SS insect mesh in an appropriate framing and fixing system; all components galvanically compatible or insulated.</p> <p>Framing: Anodised to match windows</p>	SS: Generic
TR	Timber Lining Board	Internal Timber Door & Window Reveal	Dressed 19mm hardwood of width to suit reveal in each location

2.4 Ancillary Elements – Gas Heater Flue

Location : Inner Elevation– Grid C (all levels)

Description: External (Inner) Elevation Section Level 01/02



Specifications as described in 9901 Building Fabric Schedule

GHF	Gas Heater Flue	80mm gas flues (min.) for the space heater device, discharging to atmosphere.	Rinnai, 559FT
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