SOFFIT MOULDING

Row of 22x3 vent holes at 35mm spacing

Row of 7mm dia holes at 13mm spacing

WINDOW HEAD / BASE CAP MOULDING 40mm

Row of 22x3 vent holes at 35mm spacing

Row of 7mm dia holes at 13mm spacing

WINDOW HEAD / BASE CAP MOULDING 20mm

Celcrete Panel Veneer System
Issue Date: Sept 2012
50mm HOLLOW SILL FLASHING

CONTROL JOINT MOULDING

REVEAL BEAD

Celcrete Panel Veneer System
Issue Date: Sept 2012
CELCRETE VENT

CAD REF 1-3
N.T.S.

Celcrete Panel Veneer System
Issue Date: Sept 2012
75mm galv D-head ring shank nail fixing to 40x40x200mm H3.2 timber batten tie

CELCRETE BATTEN TIES - 40mm CAVITY

H3.2 timber
CAD REF 2-1
SCALE 1:10

Celcrete Panel Veneer System
Issue Date: Sept 2012
CELCRETE BATTEN TIES FOR 7mm PLY BRACE SHEETS

H3.2 timber
CAD REF 2-2
SCALE 1:10

Celcrete Panel Veneer System
Issue Date: Sept 2012
CELCRETE 50mm PANEL VENEER SYSTEM FIXING DETAILS

CELCRETE PANEL VENEER SYSTEM

Issue Date: Sept 2012

CAD REF 3-1
SCALE 1:20

Celcrete Panel Veneer System

Optional 40mm x 40mm x 200mm H3.2 timber batten ties to align & support joint at multiple stud locations on sides of all window & door openings.

40mm cavity

rendertek external mesh plaster system & paint system

Insulation to meet building code requirements

Timber batten ties placed at 22° angle to horizontal behind panels

Wall lining

75mm stainless steel screw fixing through celcrete panel into 40x40x200mm H3.2 timber batten ties

50mm celcrete panel

2-3mm celcrete mortar glue between panel units all edges

Wall underlay on framing

2mm celcrete mortar glue between panel and base block

DPC as per NZS 3604

Non expressed control joint see CAD-REF 5-1

Vents @ 1200mm max

Vents @ 1200mm max
SINGLE STOREY SECTION

75mm stainless steel screw fixing into 40x40x200mm H3.2 batten tie, embedded 5mm into panel

75mm galv ring shank nail fixing to 40x40x200mm H3.2 timber batten tie

40mm cavity

Celcrete 50mm panel laid horizontally

40x40x200mm long H3.2 timber batten ties @ 600mm cc max

Vents @ 1200mm cc max

Wall underlay

Timber framing

DPC as per NZS 3604

25 series concrete block perimeter

Reinforced concrete footing as per NZS 3604

Celcrete Panel Veneer System

Issue Date: Sept 2012
TWO STOREY SECTION

- 40x40x200mm long H3.2 timber batten ties @ 600mm cc max
- 40mm cavity
- Selected interior lining
- Wall underlay
- Timber framing
- Vent @ 1200mm cc max
- DPC as per NZS 3604
- 25 series concrete block perimeter
- Reinforced concrete footing as per NZS 3604
- Celcrete Panel Veneer System

Issue Date: Sept 2012

Celcrete Panel Veneer System
Issue Date: Sept 2012
REBATED STEP-DOWN FOOTING DETAIL

CAD REF 4-1
SCALE 1:5

Celcrete Panel Veneer System
Issue Date: Sept 2012
OVERHANGING FOOTING DETAIL

Celcrete PVC base cap moulding

75mm galv ring shank nail fixing to 40x40x200mm H3.2 timber batten tie

DPC as per NZS 3604

Vent strip with 15mm drip edge

75mm stainless steel screws 5mm embedment

50mm min step-down

20 series concrete block

reinforced concrete footing as per NZS 3604

Ground

Pavers

Wall underlay

Celcrete Panel Veneer System

Issue Date: Sept 2012

CAD REF 4-2
SCALE 1:5

Celcrete Panel Veneer System
Issue Date: Sept 2012
Celcrete Panel Veneer System

Issue Date: Sept 2012

NOTE: Ventilation openings to provide minimum ventilation of 1000m² per lineal metre of wall
NOTE: Ventilation openings to provide minimum ventilation of 100mm² per lineal metre of wall.
MID CONCRETE FLOOR JUNCTION

DPC as per NZS 3604

20 series concrete block

vents @ 1200mm max, PVC control joint moulding glue fixed to panel between vents

DPC as per NZS 3604

Celcrete panel

PVC control joint moulding, glue fixed to panel between vents

CONTROL JOINT & VENT ELEVATION

Celcrete Panel Veneer System
Issue Date: Sept 2012
TIMBER FLOOR JUNCTION

CAD REF 4-6
SCALE 1:5

1.0mm Butynol under celcrete panels & extended min 100mm up floor framing (by licensed applicator)

ex.150mmx50mm H3.1 splay cut plate on DPC. treat cut edge

25 series concrete block top course

DPC as per NZS 3604

20 series concrete block

vent @ 1200mm max cc, PVC control joint moulding glue fixed to panel between vents

200mm long H3.2 batten tie.

rundertek external mesh plaster system & paint system

40mm cavity

celcrete 50mm panel

wall underlay

framing timber

floor joists

CONTROL JOINT & VENT ELEVATION

SCALE 1:20

Celcrete panel

1200mm cc max

PVC control joint moulding, glue fixed to panel between vents

Celcrete vent

block wall

Celcrete Panel Veneer System

Issue Date: Sept 2012
TIMBER FLOOR JUNCTION
ALTERNATIVE DETAIL

wall underlay
framing timber
floor joists

40mm cavity
celcrete 50mm panel
rendertek external mesh plaster system & paint system
200mm long H3.2 batten tie.

vents @ 1200mm max cc, PVC control joint moulding, glue fixed to panel between vents

DPC as per NZS 3604
celcrete 50mm panel
20 series concrete block
200mm long H3.2 batten tie.

DPC as per NZS 3604
DPC as per NZS 3604

CONTROL JOINT & VENT ELEVATION

Celcrete panel
PVC control joint moulding, glue fixed to panel between vents
Celcrete vent
block wall

1200mm cc max

Celcrete Panel Veneer System
Issue Date: Sept 2012
CELCRETE PANEL  EXTERNAL CORNER JUNCTION

framing timber

H3.2 batten tie.

wall underlay continuous around corner

40mm cavity

low expandable PU foam [4-8mm gap] non expressed control joint plastered over

pvc corner bead with 100mm x 100mm mesh to external corners

celcrete 50mm panel

rendertek external mesh plaster system & paint system

rendered external mesh plaster system & paint system

CELCRETE PANEL  EXTERNAL CORNER JUNCTION

CAD REF 5-1
SCALE 1:5

Celcrete Panel Veneer System
Issue Date: Sept 2012
CELCRETE PANEL INTERNAL CORNER JUNCTION

CAD REF 5-2
SCALE 1:5

Issue Date: Sept 2012

builder to supply and install additional stud

wall underlay continuous around corner

H3.2 batten tie.

40mm cavity

200mm

framing timber

20mm min clearance

low expandable PU foam

[4-8mm gap] non expressed control joint plastered over
celcrete 50mm panel
rendertek external mesh plaster system & paint system

Celcrete Panel Veneer System
Issue Date: Sept 2012
VERTICAL CONTROL JOINT DETAIL - MAXIMUM 8m CRS

- Wall underlay
- 40mm cavity
- Low expandable PU foam to be installed between panel sheets
- 12mm gap
- PVC control - joint moulding, glue fixed to face of celcrete panel
- H3.2 battens ties either side of joint
- Celcrete panels
- Double studs at joint
- Rendertek external mesh plaster system & paint system
- CAD REF 6-1
- SCALE 1:2

Celcrete Panel Veneer System
Issue Date: Sept 2012
PVC control - joint moulding, glue fixed to panel

low expandable foam installed between panel sheets

H3.2 battens ties @ 600mm max. above & below joint

Celcrete panels

H3.2 battens ties @ 600mm cc max.

PVC control joint moulding (refer detail above)

FLOOR JOIST

H3.2 battens ties @ 600mm cc max.

HORIZONTAL CONTROL JOINT
(used where timber joists are not seasoned)

CAD REF 6-2
SCALE 1:20

Celcrete Panel Veneer System
Issue Date: Sept 2012
INTER-STOREY JOINT DETAIL
WHEN EXCEEDING TWO STOREYS OR 7m

Celcrete panels

additional building underlay dressed over flashing

Celcrete base cap moulding sitting 5mm above Z flashing to allow water to drain

35mm min. cover to both

15° slope to inter-storey flashing

NOTE: Required when wall height exceeds two storeys or 7m
ALUMINIUM WINDOW HEAD

Wall underlay continuous into opening
Flexible flashing tape over flashing
Silicone sealant
Powder coated 0.9mm aluminium flashing folded up 20mm at each end finishing flush with outside flange of window then sealed with silicone sealant at corner of fold
Silicone bead between bottom of head flashing and top flange of window
8mm min clearance for PVC reveal bead flashing adhered to face of aluminium joinery down both sides of window and plastered in
Air seal using low expandable PU foam installed over PEF rod

ALUMINIUM WINDOW HEAD

CAD REF 7-1-a
N.T.S.

Celcrete Panel Veneer System
Issue Date: Sept 2012
ALUMINIUM WINDOW HEAD

CAD REF 7-1
SCALE 1:2

CELCRETE PANEL VENEER SYSTEM
Issue Date: Sept 2012

10mm cover
5mm min
35mm min cover
40mm cavity
50mm
62mm
15mm
10mm
75mm galvanized ring shank nails
40x40x200mm long H3:2 batten tie.
Celcrete 50mm panel
rendertek external mesh plaster system & paint system.
wall underlay continuous into opening
75mm stainless steel screws
flexible flashing tape over flashing
40mm cavity
Celcrete PVC window head moulding sitting 5mm above Z flashing to allow water to drain
powder coated 0.9mm aluminium flashing folded up 20mm at each end finishing flush with outside flange of window
silicone bead between bottom of head flashing and top flange of window
8mm min clearance for PVC reveal bead flashing adhered to face of aluminium joinery down both sides of window and plastered in
8mm min
air seal using low expandable PU foam installed over PEF rod

WINDBOX FIXING: Refer to E2/AS1 paragraph 9.1.10.8.
ALUMINIUM WINDOW JAMB

Celcrete PVC reveal bead flashing adhered to face of aluminium joinery and plastered in

flexible flashing min 100mm up jamb

100mm DPC strip over wall underlay both sides of window

40x40x200mm long H3.2 batten tie.

Celcrete 50mm panel

rendertek external mesh plaster system & paint system

40mm cavity

wall underlay folded into opening

air seal using low expandable PU foam installed over PEF rod

interior wall linings

jamb packer

PLAN VIEW
ALUMINIUM WINDOW JAMB

CAD REF 7-2
SCALE 1:2

Celcrete Panel Veneer System
Issue Date: Sept 2012
ALUMINIUM WINDOW SILL WITH WINDOW SUPPORT BAR

CAD REF 7-3
SCALE 1:2

Celcrete Panel Veneer System
Issue Date: Sept 2012

WANZ support bar
open between aluminium joinery and celcrete panel to allow water to escape

Celcrete PVC sill flashing

wall underlay into opening

rendertek external mesh plaster system & paint system

75mm galvanized ring shank nails

75mm stainless steel screws

Celcrete 50mm panel

40x40x200mm long H3.2 batten tie.

40mm cavity

drainage holes

sill packer

REVEAL

8mm min

7.5mm

air seal using low expandable PU foam installed over PEF rod

flexible flashing tape over building underlay continuous along sill, min 100mm up jambs and 50mm onto face of building underlay

interior wall linings

WINDOW FIXING: Refer to E2/AS1 Paragraph 9.1.10.8
ALTERNATIVE SILL DETAIL

- Sill packer
- Open between aluminium joinery and celcrete panel to allow water to escape
- Celcrete PVC sill flashing
- Rendertek external mesh plaster system & paint system
- Cellcrete 50mm panel
- 40x40x200mm long H3.2 batten tie.
- 40mm cavity
- WANZ support bar
- Drainage holes
- Ceiling underlay
- Interior wall linings
- Celcrete Panel Veneer System
- Issue Date: Sept 2012

WINDOW FIXING: Refer to E2/AS1 Paragraph 9.1.10.8

Celcrete Panel Veneer System
Issue Date: Sept 2012
STANDARD DOOR SILL DETAIL

CAD REF 7-5
SCALE 1:5

Celcrete Panel Veneer System
Issue Date: Sept 2012
aluminium window flashing

Celcrete window head moulding

DPC as per NZS 3604

40x40x200mm long H3.2 battens

vent @ 1200mm cc max.

Celcrete 6mm reveal bead

Celcrete hollow sill flashing

Timber batten ties placed at 22° angle on sides of all window openings

TYPICAL PANEL LAYOUT AROUND WINDOWS

CAD REF 7-6
SCALE 1:25

Celcrete Panel Veneer System
Issue Date: Sept 2012
ROOF/WALL JUNCTION DETAIL

- wall underlay over flashing upstand
- Celcrete 50mm panel
- 200mm long H3.2 batten tie.
- roof flashing secured to solid nog
- rendertek external mesh plaster system & paint system
- 40mm cavity
- Celcrete PVC base cap moulding
- 35mm min
- roofing by others
- roof & flashing to E2/AS1

solid nog

110mm min

35mm min

Celcrete Panel Veneer System
Issue Date: Sept 2012
SOFFIT EDGE DETAIL

15mm

SOFFIT FRAMING

200mm long H3.2 batten tie.

wall underlay

Celcrete 50mm panel

rendertek external mesh plaster system & paint system

40mm cavity

Celcrete PVC soffit mould glued to Celcrete 50mm panel

ms sealant bead

soffit lining

SOFFIT EDGE DETAIL

CAD REF 8-2
SCALE 1:2

Celcrete Panel Veneer System
Issue Date: Sept 2012
soffit linings installed after Celcrete 50mm panels

wall underlay must extend a minimum of 50mm beyond panel

Protecto Tape must extend min 100mm down vertical surface and min 100mm under soffit (Protecto Tape work done by others, all Protecto Tape work must be done by licensed applicators.)

Celcrete 50mm panel

rendertek external mesh plaster system & paint system

200mm long H3.2 batten tie

wall underlay

40mm cavity

framing timber

roof framing timber

roofing to NZS 3604

EXPOSED MONOPLANE ROOF & SOFFIT - CELCRETE PANEL JUNCTION

CAD REF 8-3
SCALE 1:5

Celcrete Panel Veneer System
Issue Date: Sept 2012
soffit linings installed after Celcrete 50mm panels

wall underlay must extend a min. of 50mm beyond panel

selected metal flashing supplied & installed by others

Celcrete 50mm panel

rendertek external mesh plaster system & paint system

200mm long H3.2 batten tie

wall underlay

40mm cavity

framing timber

EXPOSED MONOPLANE ROOF & SOFFIT - CELCRETE PANEL JUNCTION

CAD REF 8-4
SCALE 1:5

Celcrete Panel Veneer System
Issue Date: Sept 2012
CELCRETE PANEL CLIPPED EAVES DETAIL

CAD REF 8-5
SCALE 1:5

Celcrete Panel Veneer System
Issue Date: Sept 2012
wall underlay
40mm cavity
Celcrete 50mm panel

soffit lining & framing
paintable sealant
40mm cavity
wall underlay

40x40x200mm long H3.2 batten tie.

Celcrete 50mm panel
rendertek external mesh plaster system & paint system

CELCRETE PANEL  SOFFIT EAVES JUNCTION DETAIL

CAD REF 8-6
SCALE 1:5

Celcrete Panel Veneer System
Issue Date: Sept 2012
CELCRETE PANEL ROOF KICKOUT FLASHING

CELCRETE PANEL VENEER SYSTEM

Issue Date: Sept 2012
ROOF/WALL JUNCTION DETAIL

40mm cavity

solid nog

fillet corner

building underlay over roofing membrane

Celcrete 50mm panel

200mm long H3.2 batten tie.

roof flashing secured to solid nog, min 115mm behind wall underlay

rendertek external mesh plaster system & paint system

celcrete PVC base cap moulding

150mm min membrane upstand

150mm min membrane upstand

35mm min

membrane roofing by others

Celcrete Panel Veneer System
Issue Date: Sept 2012
Celcrete 50mm panel

wall underlay continuous over top of frame
solid nog

50x20mm H3.2 cavity batten

deck waterproofing membrane by others - extend min. 200mm vertically

35mm min

20x20mm fillet

DECK BARRIER DETAIL

CAD REF 9-1
SCALE 1:5

Celcrete Panel Veneer System
Issue Date: Sept 2012
.deck barrier detail

rendertek external mesh plaster system & paint system

40x40x200mm long H3.2 batten tie.

40mm cavity

Celcrete PVC basecap moulding

dek waterproofing membrane by others - extend min. 200mm vertically or min.150mm above bottom of Celcrete panel

20x20mm fillet

300mm max (for 15° slope)
30° slope for over 300mm

15° min

40x40x200mm long H3.2 batten tie.

wall underlay continuous over top of framing

celcrete 50mm panel

rendertek external mesh plaster system & paint system

solid nog

mapei mapelastic flexible cementitious membrane over capping returned min. 100mm down sides.
(mapei work must be done by licensed applicators.)

35mm min

DECK BARRIER DETAIL

CAD REF 9-2
SCALE 1:5

Celcrete Panel Veneer System
Issue Date: Sept 2012
DECK BARRIER / HANDRAIL
FIXING DETAIL

Celcrete PVC base cap moulding

ex. 140x40mm H3.2 timber block at each mount plate location

S/S fixing screws with EPDM washers under head and between mount plate and plaster

Proprietary handrail with mount plates

300mm max (for 15° slope)
30° slope for over 300mm

15° min

40x40x200mm long H3.2 batten tie.

wall underlay continuous over top of framing

mapei mapelastic flexible cementitious membrane over capping returned min. 100mm down sides.
(mapei work must be done by licensed applicators.)

20x20mm fillet

solid nog

Deck waterproofing membrane by others - extend min. 200mm vertically or min.150mm above bottom of Celcrete panel

Celcrete Panel Veneer System

Issue Date: Sept 2012

Issue Date: Sept 2012

Proprietary handrail with mount plates

300mm max (for 15° slope)
30° slope for over 300mm

15° min

40x40x200mm long H3.2 batten tie.

wall underlay continuous over top of framing

mapei mapelastic flexible cementitious membrane over capping returned min. 100mm down sides.
(mapei work must be done by licensed applicators.)

20x20mm fillet

solid nog

Deck waterproofing membrane by others - extend min. 200mm vertically or min.150mm above bottom of Celcrete panel

Celcrete Panel Veneer System

Issue Date: Sept 2012
CELCRETE PANEL CORNER JUNCTION AT SOLID HANDRAIL

1. Framing timber
   - H3.2 batten tie.
2. Wall underlay
   - Continuous around corner
3. 40mm cavity
4. 12mm min clearance
5. Low expandable PU foam [4-8mm gap]
6. Non expressed control joint plastered over
7. Celcrete 50mm panel
8. Rendertek external mesh plaster system & paint system
10. Return up wall 150mm

Builder to supply and install additional stud

11. Min 150mm to face of window or door jamb stud

Plan View

Celcrete Panel Veneer System
Issue Date: Sept 2012
Step 1: mapei mapelastic flexible cementitious membrane over capping returned min. 100mm down sides & min. 100mm up wall face. (mapei work must be done by licensed applicators.)

Step 2: apply rendertek external mesh plaster system & paint system

Approved flexible flashing adhered to wall underlay. Return 150mm from corners each way (by others)
CELCRETE PANEL CORNER JUNCTION WITH FIBRE CEMENT LINING AT SOLID HANDRAIL

CAD REF 9-6
SCALE 1:5

(also refer CAD REF 9-4)
RAINWATER HEAD OPENING DETAIL

CAD REF 9-7
SCALE 1:5

40x40x200mm long H3.2 batten tie.
40mm cavity
Continuous membrane dressed through base and up sides of opening with upper edges sealed against cladding, return over rainwater head at sides

Deck waterproofing membrane by others

Overflow (below opening level)

Rainwater head & downpipe

Membrane dressed over 50x50mm aluminium angle rebated into substrate

Continuous membrane dressed through opening with upper edges sealed against cladding, return over rainwater head at sides

Rainwater head & downpipe

Continuous membrane dressed through opening with upper edges sealed against cladding, return over rainwater head at sides

Rainwater head
ensure cavity blocking is screw fixed to framing
ensure bolts go through the pergola and through the cavity blocking for maximum support strength as per engineers requirements

Wall Plate Fixing: [required to comply with the relevant aspects of NZS 3604, Section 4: Durability].

Celcrete 50mm panel
rendertek external mesh plaster system & celcrete recommended paint system
12mm thick H3.2 packer 150mm long timber at bolt fixings
H3.2 stringer to suit pergola rafter size

H3.2 pergola rafters
50x50x3mm EPDM washer
[Ensure wall plate design meets building code requirements]
200mm long H3.2 batten tie.
extra framing between studs

40mm cavity
wall underlay
framing timber

PERGOLA WALL PLATE FIXING AND CELCRETE PANEL JUNCTION
CAD REF 9-8
SCALE 1:5

Celcrete Panel Veneer System
Issue Date: Sept 2012
Note: wall to be plastered prior to fitting pergola rafters.

- Celcrete 50mm panel
- Wall underlay
- Rendertek external mesh plaster system & Celcrete recommended paint system
- 12mm gap
- Specific design bracket bolted to blocking & slotted through Celcrete panel
- Waterproof sealant over PEF rod around bracket
- 200mm long H3.2 batten tie.
- Blocking between studs
- 40mm cavity

PERGOLA RAFTER SUPPORT BRACKET DETAIL

CAD REF 9-9
SCALE 1:5

Celcrete Panel Veneer System
Issue Date: Sept 2012
Step 1: Timber Framing

Step 2: Saddle flashing with 50mm upstand

Step 3: Celcrete 50mm panel

Step 4: Apply flashing cap

Step 3: Apply Rendertek external mesh plaster system & paint system

Approved flexible flashing adhered to wall underlay. Return 200mm from corners each way (by others)

Celcrete Panel Veneer System

Issue Date: Sept 2012
timber post

H3.2 batten ties, fixed at 20° angle

wall underlay

40mm cavity

Celcrete 50mm panel

low expandable PU foam at each junction [4-8mm gap]

non expressed control joint plastered over

Celcrete vent

DPC as per NZS 3604

Celcrete panels landed on 100mm thick concrete footing - by builder

concrete post footing

rendertek external mesh plaster system & paint system

Cellcrete Panel Veneer System

Issue Date: Sept 2012
Where cables penetrate cladding, a sleeve or conduit shall be provided and sealed into the Celcrete 50mm panel system. All wires that pass through a conduit shall be sealed into position inside the conduit.

PENETRATION THROUGH CELCRETE WALL CLADDINGS FOR PIPES

[Where possible, provide outwards fall to pipework for water run-off]

CAD REF 11-1
SCALE 1:2

Issue Date: Sept 2012
When installing window tape apply pressure along entire surface for a good bond to wall and Meter box surfaces.

COMMENT:
Where possible, meter-boxes should be located in sheltered areas of the building, such as a porch, or be installed behind a weatherproof glazed panel.

When installing window tape apply pressure along entire surface for a good bond to wall and Meter box surfaces.

Care must be taken to ensure that when using low expandable PU foam excess foam is cut off. A moisture compatible flexible sealant is to be spread over the exposed foam edge.

Detail tape may need to be used around the corners of the meterbox to ensure weathertightness.
PARAPET CAPPING DETAIL
CAD REF 12-1
SCALE 1:5
200mm long H3.2 batten tie.

Celcrete 50mm panel
rendertek external mesh
plaster system & paint
system

40mm cavity
wall underlay

flexible flashing
tape over flashing

90x45mm packer under
PFC or other lintel

Celcrete PVC window
head moulding

aluminium head flashing with
15° slope and 5mm min. gap
above head flashing with
20mm fold to ends

silicone bead between
bottom of head flashing and
timber garage door head

TIMBER GARAGE DOOR HEAD DETAIL
SECTIONAL VIEW OF GARAGE DOOR-HEAD

CAD REF 13-1
SCALE 1:2

Celcrete Panel Veneer System
Issue Date: Sept 2012
STD TIMBER JAMB GARAGE DOOR DETAIL

PLAN VIEW OF JAMB

CAD REF 13-2
SCALE 1:2

Celcrete Panel Veneer System
Issue Date: Sept 2012
CELCRETE PANEL EXTERNAL CORNER JUNCTION WITH HORIZONTAL TIMBER WEATHERBOARDS

PLAN VIEW

CELCRETE PANEL VENEER SYSTEM

Issue Date: Sept 2012

CAD REF 14-2
SCALE 1:2

Celcrete Panel Veneer System

40mm cavity
Celcrete 50mm panel
H3.2 batten tie.
rendertek external mesh plaster system & paint system
wall underlay continuous around corner
rusticated weatherboards by others
40mm x 19mm P/P H3.2 scribe

10mm
CELCRETE PANEL  INTERNAL CORNER JUNCTION
WITH HORIZONTAL TIMBER WEATHERBOARDS

framing timber

wall underlay continuous around corner

H3.2 batten tie.

Celcrete 50mm panel

rendertek external mesh plaster system & paint system

rusticated weatherboards by others

wall underlay

40mm cavity

40mmx19mm P/P H3.2 scriber

PLAN VIEW
CELCRETE PANEL  INTERNAL CORNER JUNCTION
WITH HORIZONTAL TIMBER WEATHERBOARDS

CAD REF 14-3
SCALE 1:2

Celcrete Panel Veneer System
Issue Date: Sept 2012
PLAN VIEW

CELCRETE - CAVITY - ABUTTING TITAN BOARD

CAD REF 15-1
SCALE 1:2

Celcrete Panel Veneer System
Issue Date: Sept 2012
IMPORTANT NOTE:
Selection of flashing materials in all applications, the choice of flashing materials shall take into account the following factors:

a) The requirements of NZBC B2 Durability,
b) The environment where the building is located,
c) The specific conditions of use, and

d) Consideration of the surrounding materials.

METAL FLASHING PROFILE

PLAN VIEW
CELCRETE - CAVITY - ABUTTING HORIZONTAL CORRUGATED STEEL
CAD REF 16-1
SCALE 1:2

Celcrete Panel Veneer System
Issue Date: Sept 2012
pressed metal flashing with 15° slope supplied & installed by others

H3.1 timber wedge or fixing block, glued and screwed to Celcrete panel, supplied by builder

rendertek external mesh plaster system & paint system

Celcrete 50mm panel

40x40x200mm long H3.2 batten tie.

40mm cavity

30mm or 35mm vented weatherboard cavity closer with 15mm drip edge

selected planking on 20mm battens by others

5mm

75mm

5mm

35mm

30mm or 35mm vented weatherboard cavity closer with 15mm drip edge

Celcrete Panel Veneer System

Issue Date: Sept 2012

SCALE 1:2
Celcrete 50mm panel
200mm long H3.2 batten tie.
rendertek external mesh
plaster system & paint system
low expandable foam (nom 4-8mm gap) with paintable urethane bead
weep holes @ 800mm cc max
70mm brick veneer
brick veneer tie as per NZS 4210
40mm cavity
wall underlay
framing timber

BRICK VENEER BELOW CELCRETE PANEL VENEER JUNCTION

CAD REF 18-1
SCALE 1:2
Celcrete Panel Veneer System
Issue Date: Sept 2012
BRICK VENEER ABUTTING CELCRETE PANEL JUNCTION

- Framing timber
- 40mm cavity
- Celcrete 50mm panel
- Rendertek external mesh
- Plaster system & paint system
- 200mm long H3.2 batten tie.
- Low expandable foam (nom 4-8mm gap) with paintable urethane bead
- Brick veneer tie
- 70mm brick veneer
- Wall underlay

Celcrete Panel Veneer System
Issue Date: Sept 2012
CELCRETE PANEL /BRICK INTERNAL CORNER JUNCTION

framing timber

H3.2 batten tie.

200mm

wall underlay continuous around corner

brick veneer by others

10mm gap with low expandable PU foam and urethane bead

Celcrete 50mm panel

rendertek external mesh plaster system & paint system

CELCRETE PANEL /BRICK INTERNAL CORNER JUNCTION

CAD REF 18-3
SCALE 1:5

Celcrete Panel Veneer System
Issue Date: Sept 2012
CELCRETE PANEL / BRICK VENEER
EXTERNAL CORNER JUNCTION

framing timber

Celcrete 50mm panel
wall underlay continuous around corner
40mm cavity
H3.2 batten tie.
rendertek external mesh plaster system & paint system
10mm gap with low expandable PU foam and urethane bead

brick veneer by others

CELCRETE PANEL / BRICK VENEER
EXTERNAL CORNER JUNCTION

CAD REF 18-4
SCALE 1:5

Celcrete Panel Veneer System
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Celcrete Panel / Concrete Block

**VERTICAL JUNCTION DETAIL**

CELCRETE PANEL / CONCRETE BLOCK

CAD REF 19-1

SCALE 1:2

- 40x40x200mm long H3.2 batten tie.
- 75mm stainless steel screws
- Celcrete 50mm panel
- rendertek external mesh plaster system & paint system
- PVC control - joint moulding (glue fixed)
- low expandable foam [nom 4-8mm gap]
- concrete block
- wall framing
- wall underlay
- DPC as per NZS 3604

Celcrete Panel Veneer System

Issue Date: Sept 2012
CELCRETE PANEL / 20 SERIES BLOCK INTERNAL CORNER JUNCTION

Celcrete 50mm panel

40mm cavity

rendertek external mesh plaster system & paint system

wall underlay

H3.2 batten tie.

10mm gap with low expandable PU foam and urethane bead

DPC as per NZS 3604

flashing with 50mm cover to cladding. Chase block wall and seal flashing in chase. Optional: flashing tape

20 Series Block by others

CELCRETE PANEL / 20 SERIES BLOCK  INTERNAL CORNER JUNCTION

CAD REF 19-2
SCALE 1:5

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20 Series Block by others

DPC as per NZS 3604

10mm gap with low expandable PU foam and urethane bead

H3.2 batten tie.

Rendertek external mesh plaster system & paint system

Flexible flashing tape bonded to block wall and underlay

Wall underlay

40mm cavity

Celcrete 50mm panel

CELCRETE PANEL / 20 SERIES BLOCK EXTERNAL CORNER JUNCTION

CAD REF 19-3
SCALE 1:5

Celcrete Panel Veneer System
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