NOTE: ALL ALUMINIUM WINDOWS AND DOORS TO GO UP TO THE U/S OF THE SOFFITS. ONLY ON HOUSES WITH SOFFITS. AND ALSO FULL HEIGHT WINDOWS TO BE THE SAME HEIGHT AS DOORS (ESPECIALLY IN CASES WHERE THERE ARE NO SOFFITS)
Note: Soffit and lintel heights can vary. Refer to specific Cross Section to establish soffit and lintel heights for this house

SITE DETAILS:
Lot No: 56
D.P. No: xxxxxx
Site Area: 462m²
Building Coverage: 162.30m²
Site Coverage: 35.61%

NOTES:
F.F.L. +225mm minimum above ground level at all points unless otherwise stated
Areas, measurements and site levels subject to final survey
Building foundation is based on a clear level site

KEY:
Proposed Stormwater: 100mm dia
Proposed Sewer: 100mm dia
Terminal Vent: t.v. 80Ø
Downpipe: 75x50 d.p.
Gully Trap: g.t.
Vented Soil Stack: s.s.
Inspection Point: i.p.

PLUMBING & DRAINAGE:
Plumbing & Drainage design to G13/AS1
Sanitary Plumbing & G13/AS2 - Drainage
32mm dia - 1:25 Gradient
40mm dia - 1:40 Gradient
100mm dia - 1:40 Gradient
100mm dia - S-water 1:120 G13/AS2
100mm dia - Sewer 1:120 G13/AS2
Indicates Existing Levels -

NOTE: THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATION DOCUMENTS, ENGINEERING DETAILS, MANUFACTURERS SPECIFICATIONS AND TRUSS MANUFACTURER'S PLAN

Sample Plans Only

SITE / SERVICES PLAN
scale 1:200

Proposed home for:
Lot:
Consent Drawings

Built by:
ACJ
Date: 26th May 2008

Note:
Sub - Contractors to verify all dimensions on site. All work shall comply with the NZBC, NZS 3604 - 1996, and all other relevant standards and regulations.
NOTE: ALL ALUMINIUM WINDOWS AND DOORS TO GO UP TO THE U/S OF THE SOFFITS (ONLY ON HOUSES WITH SOFFITS) AND ALSO FULL HEIGHT WINDOWS TO BE THE SAME HEIGHT AS DOORS (ESPECIALLY IN CASES WHERE THERE ARE NO SOFFITS). (ONLY ON HOUSES WITH SOFFITS) AND ALSO FULL HEIGHT WINDOWS TO BE THE SAME HEIGHT AS DOORS (ESPECIALLY IN CASES WHERE THERE ARE NO SOFFITS).

NOTE: THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATION DOCUMENTS, ENGINEERING DETAILS, MANUFACTURERS SPECIFICATIONS AND TRUSS MANUFACTURER’S PLAN.

SCHEDULE OF TIMBER TREATMENT

These drawings are to be read in conjunction with NZS 3604:1993 July 2006 Amendment 2. Note: All timbers with treatment level H2 or above shall use Stainless Steel fixings. All timber grading shall be MSG8 grading unless specified.

Cheeseweed - Framing protected from the weather and above ground (not outdoor framing). Floor and ceiling framing. Low level interior wall framing. Intersections interior floor framing. Roof trusses / purlins.

H3.2 - Framing protected from the weather, above ground with the possibility of exposure to moisture. Skillion roof above 10° framing with lined soffits. Exterior walls protected from the weather. Wall framing.

H3.1 - Framing exposed to intermittent moisture, above ground but protected from weather by an approved paint system or cladding. Wall and floor framing at risk to wet areas. Exterior painted posts and beams. Enclosed lines and posts supporting enclosed balconies. Enclosed balcony pty and joints. Balustrade framing. Cavity battens.

WET AREA TREATMENT

Bathtubs, wcs, laundry and kitchen to have H3.1 treated bottom plate.

Tank all shower enclosures to 2000mm with Ardox or similar.

Tank all wet area floors 150mm up walls and 150mm above bath with Ardox or similar.

SMOKE DETECTORS

Battery powered smoke alarms shall provide a hush facility having a minimum duration of 60 seconds.

Smoke alarms shall have a test facility located on the smoke alarm (readily accessible to building occupants).

Smoke alarms shall be listed or approved by a recognized authority as complying with NZBC F7.

A smoke alarm must be located within 3.0m of every sleeping space door and additional smoke alarms must be located in each space that must be passed through to get to a safe place.

NOTE: ALL ALUMINIUM WINDOWS AND DOORS TO GO UP TO THE U/S OF THE SOFFITS (ONLY ON HOUSES WITH SOFFITS) AND ALSO FULL HEIGHT WINDOWS TO BE THE SAME HEIGHT AS DOORS (ESPECIALLY IN CASES WHERE THERE ARE NO SOFFITS).

Proposed home for:

Consent Drawings

Lot:

ACJ

Date:

Consent

Lot:

26th May 2008

ACJ
NOTE: ALL ALUMINIUM WINDOWS AND DOORS TO GO UP TO THE U/S OF THE SOFFITS. (ONLY ON HOUSES WITH SOFFITS) AND ALSO FULL HEIGHT WINDOWS TO BE THE SAME HEIGHT AS DOORS (ESPECIALLY IN CASES WHERE THERE ARE NO SOFFITS).

Note: Soffit and lintel heights can vary. Refer to specific Cross Section to establish soffit and lintel heights for this house.

HEBEL

ELEVATION A
scale 1:100

135h Linea weatherboard cladding on cavity battens, paint finish

135h Linea weatherboard cladding on cavity battens, paint finish

Powder coated aluminium joinery with grooved reveals

70thk Hebel Powerpanel on 25mm Rondo batten system

Selected Colorsteel sectional garage door

70thk Hebel Powerpanel on 25mm Rondo batten system

28° Colorsteel longrun roofing material on trusses @ 900 c/c

Proprietary Colorsteel fascia & gutter system

28° Colorsteel longrun roofing material on trusses @ 900 c/c

Proprietary Colorsteel fascia & gutter system

- Safety Glazing

Proprietary Colorsteel fascia & gutter system

Reticulated gas water unit

Sample Plans Only

Risk Matrix

Risk Area 'A'

Wind Zone 0

No of Storeys 0

Roof/Wall 0

Eaves Width 0

Building Envelope 3

Decks & Balconies 0

TOTAL 3

Risk Area 'B'

Wind Zone 0

No of Storeys 0

Roof/Wall 5

Eaves Width 0

Building Envelope 1

Decks & Balconies 0

TOTAL 6

Risk Area 'C'

Wind Zone 0

No of Storeys 0

Roof/Wall 0

Eaves Width 1

Building Envelope 0

Decks & Balconies 0

TOTAL 1

Risk Area 'D'

Wind Zone 0

No of Storeys 0

Roof/Wall 0

Eaves Width 0

Building Envelope 0

Decks & Balconies 0

TOTAL 0

NOTE: THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATION DOCUMENTS, ENGINEERING DETAILS, MANUFACTURERS SPECIFICATIONS AND TRUSS MANUFACTURER'S PLAN.

ACJ

026th May 2008

Proposed home for:

Consent Drawings

Lot.
NOTE: ALL ALUMINIUM WINDOWS AND DOORS TO GO UP TO THE U/S OF THE SOFFITS. (ONLY ON HOUSES WITH SOFFITS) AND ALSO FULL HEIGHT WINDOWS TO BE THE SAME HEIGHT AS DOORS ESPECIALLY IN CASES WHERE THERE ARE NO SOFFITS

Note: Soffit and lintel heights can vary. Refer to specific Cross Section to establish soffit and lintel heights for this house

### Construction / Material Schedule

These drawings are to be read in conjunction with any supplementary engineer’s documentation.

- All foundation construction to comply with NZS 3604:1999 and local building bylaws.
- All timber treatments to comply with NZS 3602:2003.
- All structural timber and lintel grading shall be MSG8 unless specified.

### Roofing:

10. Colored steel longrun roofing at 28° with self support roofing panels.
11. 62x45mm H1.2 treated Purline @ 900 c/c Max. with 2/100x3.75 skewed nails fixing.
13. Proprietary Colored roof gutter with brackets at 900 c/c.
14. 75x50mm Colored downspipes.

### Exterior Joinery:

20. Powder coated aluminium exterior window and door joinery with double glazing, unless otherwise stated on drawings. (single glazed to garage).
21. Powder coated flush panel entrance door with powder coated aluminium joinery unit.
22. Colored sectional garage door with 2 x Auto remote.

### Cladding:

30. 50thk Hebel Powerpanel on 25mm Rondol batten system.
31. 60x60 Laminated H3.1 Timber Posts
32. 135h Linea weatherboard cladding on 45x18 H3.1 cavity battens, paint finish.
33. Classic Stone cladding on 75x50mm Teppan backing on 45x18 H3.1 cavity battens.

### Exterior Joinery & Flooring:

40. 60x31 H3.2 Timber ceiling battens at 600 c/c
41. 12mm G6 standard plasterboard fixed with approved fixings and to manufacturer’s specifications.
42. 10mm G6 standard plasterboard with approved fixings and to Manufacturer’s specifications.
43. R2.6W Pink Batts to External walls.
44. R3.6C Pink Batts to Ceiling.
45. 4.5mm James Hardie solid lining on 68x31 H3.1 battens or sprockets as required.

### Roof Framing:

50. Roof trusses to be Chemfree treated (H1.2 to ceiling (ceilings & gable trusses) at 900mm max centres refer to Truss Manufacturer’s producer statement. Fixing to be 2/100x3.75 skewed nails + 1 wire dog at each truss to hip plate connection.
51. Girder truss location, lintels supporting girder truss to be sized by Truss Manufacturer.

### Wall Framing:

60. Exterior wall 90x45mm Chemfree treated (H3.1 to chimney framing & wall supporting shelf angles) timber studs at 600mm centres at 800mm max centres unless otherwise stated.
61. Interior wall 90x45mm Chemfree treated timber studs at 600mm centres at 800mm max centres unless otherwise stated.
62. Building wrap to be Tyvek with 150mm laps.

### Floor Slab & Foundation:

70. 100mm thick 20 MPa concrete slab with 665 mesh on DPM on 150mm compacted hardfill, no floor insulation to garage.
71. Continuous Strip foundation 240mm wide Min. 800mm deep below E.G.L. 10 MPa concrete foundation with 2400mm deep below E.G.L. 10 MPa concrete foundation with 665 mesh in slab to 800mm.
72. 2xD12, 1.2m long supplementary reinforcing bars to internal corners.
73. 240x240mm by 500mm deep 20MPa concrete foundation to post.
74. Floor slab shrinkage control joints to give a max. ratio of 2:1 and a max. length of 6m and to be cut while slab is still green. Control joints positioned under walls where possible.
**Sample Plans Only**

**Note:** Soffit and lintel heights can vary. Refer to specific Cross Section to establish soffit and lintel heights for this house.

**NOTE:** ALL ALUMINIUM WINDOWS AND DOORS TO GO UP TO THE U/S OF THE SOFFITS. (ONLY ON HOUSES WITH SOFFITS) AND ALSO FULL HEIGHT WINDOWS TO BE THE SAME HEIGHT AS DOORS (ESPECIALLY IN CASES WHERE THERE ARE NO SOFFITS).

**CROSS SECTION C-C**

**Construction Material Schedule**

These drawings are to be read in conjunction with the specification documents, engineering details, manufacturers specifications and OSS timber manufacturer’s plan.

- **All foundation construction to comply with NZS 3604:1999 and local building bylaws.**
- **All timber treatments to comply with NZS 3602:2003 unless specified.**
- **Roofing:**
  - Colorbond regular roofing at 28° with self-supporting roofing underlying.
  - 116/750 H1.2 treated Profiles @ 600 c/c Max. with 2 10x10x75 skewed rafter fixing.
  - Proprietary Colorbond Fascia.
  - Proprietary Colorbond gutter with brackets at 900 c/c.
  - 14D60 Colorbond downspouts.
- **Exterior Joinery:**
  - Powder coated aluminium exterior window and door joinery with double glazing, unless otherwise stated on drawings, single glazing & garage.
  - Powder coated flash panel entrance door with powder coated aluminium joinery units.
  - Colorbond sectional garage door with 2 x Auto remotes.
- **Cladding:**
  - 25mm Hebel Powerpanel on 225mm x 225mm sprockets as required.
  - J&J Milled fascia with decorations to 2000mm with Ardex or similar.
- **Framing protected from the weather and above ground (not interior wall framing. Intermidiate interior floor framing. Low risk ceilings & gable trusses) at 900mm max centres refer to Truss Manufacturer's producer statement.**
  - Fixing to 300x200x7.5mm skewed rafter 1 wire dog at each truss to top plate intersection.
  - Isolated truss location, limits supporting grider trusses to be stated in Truss Manufacturer.
- **Wall Framing:**
  - 50mm Gritstone treated (H1.2 to timber ceilings & gable trusses) at 600mm max centres to 600mm max centres unless otherwise stated.
  - Interior wall Gritstone treated timber stud at 600mm return of 600mm max centres unless otherwise stated.
  - Building wrap to be Tyvec with 100mm laps.

**Consent Drawings**

**Proposed home for:** Delamain Estates. Christchurch City Council.

**Drawings**

Sheet # 5

**Cross Section**

Scale: 1:50

**Date:** 26th May 2008

**Drawn by:** ACJ

**Scale:**

**Note:** Salt - Contractors to verify all dimensions on site. All work shall comply with the NZBC, NZS 3604:1999 and all other relevant standards and regulations.
SAMPLE PLANS ONLY

NOTE: ALL ALUMINIUM WINDOWS AND DOORS TO GO UP TO THE U/S OF THE SOFFIT. (ONLY ON HOUSES WITH SOFFITS) AND ALSO FULL HEIGHT WINDOWS TO BE THE SAME HEIGHT AS DOORS (ESPECIALLY IN CASES WHERE THERE ARE NO SOFFITS)

Note: Soffit and lintel heights can vary. Refer to specific Cross Section to establish soffit and lintel heights for this house.

1) All dimensions over veneer. Allow 50mm veneer & 25mm cavity. Hebel to overhang 10mm.
2) No construction joints / shrinkage control joints under marked tile areas.
3) The maximum plan dimension of concrete between construction joints / shrinkage control joints is 3m, 6m if 665 mesh to slab.
4) Supplementary reinforcing to internal corners to comply with NZS 3604:1999 clause 7.5.8.6.
5) Contractor to consult manufacturers documentation to determine the correct location for all wastes positioned through floor slabs.
6) WC location indicated on plan has assumed a 160mm offset from internal frame line, please consult manufacturers documentation to confirm offset.

Note: ALL WORK SHALL COMPLY WITH NZS 3604:1999.
- NO BARS WHERE FLOOR CUTS OCCUR AT CORNERS.

Foundation Plan
Scale 1:100
Note: Soffit and lintel heights can vary. Refer to specific Cross Section to establish soffit and lintel heights for this house.

NOTE: ALL ALUMINIUM WINDOWS AND DOORS TO GO UP TO THE U/S OF THE SOFFITS. (ONLY ON HOUSES WITH SOFFITS) AND ALSO FULL HEIGHT WINDOWS TO BE THE SAME HEIGHT AS DOORS (ESPECIALLY IN CASES WHERE THERE ARE NO SOFFITS).

GS1A Garage door beam by Pre-Cutter

Table 8.18 - Fixing of top plate of wall to supporting members such as studs and lintels @ 500mm crs.

<table>
<thead>
<tr>
<th>Fixing Type</th>
<th>Fixing to resist uplift</th>
<th>Capacity of alternative fixing (kN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>2/100 x 3.75 skewed nails + 3 wire dog</td>
<td>0.7</td>
</tr>
<tr>
<td>B</td>
<td>2/100 x 3.75 skewed nails + 1 wire dog</td>
<td>2.7</td>
</tr>
<tr>
<td>C</td>
<td>2/100 x 3.75 skewed nails + 2 wire dog</td>
<td>4.7</td>
</tr>
<tr>
<td>D</td>
<td>2/100 x 3.75 skewed nails + 3 wire dog</td>
<td>6.7</td>
</tr>
</tbody>
</table>

Table 8.19 - Nailing schedule for hand driven and power driven nails

<table>
<thead>
<tr>
<th>Joint</th>
<th>Length (mm) x Number and Location</th>
<th>Number and Location</th>
<th>Length (mm) x Number and Location</th>
<th>Number and Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top plate 150 x 40mm to 100 x 60mm and top plate to lintel</td>
<td>100 x 1.75</td>
<td>2 @ 500mm crs</td>
<td>90 x 3.3</td>
<td>4 (skewed nails)</td>
</tr>
<tr>
<td>Lintel to trimming stud</td>
<td>100 x 1.75 or 75 x 2.15</td>
<td>4 (skewed nails)</td>
<td>90 x 3.15</td>
<td>3 (skewed nails)</td>
</tr>
<tr>
<td>Stud plate</td>
<td>100 x 1.75 or 75 x 2.15</td>
<td>4 (skewed nails)</td>
<td>75 x 3.15</td>
<td>3 (skewed nails)</td>
</tr>
</tbody>
</table>

Lintels Fixings to lintels over 1.300m to prevent uplift are to comply with NZS 3604 Fig 8.12

BRACING / LINTEL PLAN
scale 1:100
SAMPLE PLANS ONLY

Hebel Powerpanel Soffit Detail
scale 1:10

Hebel Powerpanel Foundation Detail
scale 1:10

Valley Flashing Detail
scale 1:10

Ridge Capping detail
scale 1:10

Garage Door Jamb Detail
scale 1:10

Note: Soffit and lintel heights can vary. Refer to specific Cross Section to establish soffit and lintel heights for this house.

Also full height windows to be the same height as doors (especially in cases where there are no soffits).

Hebel Powerpanel Soffit Detail
scale 1:10

Rebate and bottom of panel coated with DPM and lower 20mm of panel face.

Hebel Powerpanel Foundation Detail
diffusion Class: Fine timber punts @ 900 mm, Max 1.1m, or steel nail @ 900mm, 100x76 sawn nails @ 75mm max.

Rooftop insulation batts to be in and on roof to meet requirements of house at timber line centres fixed with 60x10mm timber screws.

Rooftop insulation batts to external walls except to garage supported with studs at 600mm max centres and design to timber line centres.

Timber batt with level 4 plaster finish to interior.

Tyvek building paper returned into opening.

Hebel Powerpanel on Rondo battens fixed to frame with 14 x 10 x 90mm bugle head screws.

50mm Min. below Centre of Roof Support.

NOTE: THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATION DOCUMENTS, ENGINEERING DETAILS, MANUFACTURERS SPECIFICATIONS AND TRUSS MANUFACTURER'S PLAN

Proposed home for:
ACJ

Lot.

Sub Contractors to verify all dimensions and relevant standards. All work shall comply with the NZBC, NZS 3604:1999, and all other relevant standards and regulations.

Date: 26th May 2008
NOTE: ALL ALUMINIUM WINDOWS AND DOORS TO GO UP TO THE U/S OF THE SOFFITS. (ONLY ON HOUSES WITH SOFFITS) AND FULL HEIGHT WINDOWS TO BE THE SAME HEIGHT AS DOORS (ESPECIALLY IN CASES WHERE THERE ARE NO SOFFITS)

Note: Soffit and lintel heights can vary. Refer to specific Cross Section to establish soffit and lintel heights for this house.

**Hebel Internal Corner Detail**
scale 1:10

- 50mm thick Hebel Powerpanel on Rondo battens fixed to frame with 14 x 10mm bugle head screws
- Movement control joint
- Approved sealant and backing rod
- Cut square of flexible flashing tape with tape bandage around pipe, similar to NZBC Fig 68
- 10mm Gib with level 6 plaster finish to interior

**Hebel External Corner Detail**
scale 1:10

- 50mm thick Hebel Powerpanel on Rondo battens fixed to frame with 14 x 10mm bugle head screws
- Movement control joint
- Approved sealant and backing rod
- Cut square of flexible flashing tape with tape bandage around pipe, similar to NZBC Fig 68
- 10mm Gib with level 6 plaster finish to interior

**Hebel Sill Detail**
scale 1:5

- 75mm thick Hebel Powerpanel fixed on framing to 25mm steel Rondo batten
- 90x45mm H3.1 treated frame with studs at 600mm max centres and dwangs at 800mm max centres.
- R2.6 Insulation batts to external walls except to garage as specified
- Tyvek building paper
- Waterproof membrane on sill
- Adhesive used to build up top of panel behind sill block
- 65mm thick glass panel (optional) (Hebel 1 - 2mm above panel at rear)
- DPC flashing
- Approved sealant
- 10° slope
- Sill block glued to panel (optional) (Raised 1 - 2mm above panel at rear)
- DPC sill tray flashing fastened to top of sill and bent over behind panel and over batten
- 14 - 10 x 90mm bugle head screw
- Movement control joint
- Approved sealant and backing rod
- Movement control joint
- Approved sealant and backing rod
- 12 - 11 x 25mm hex head batten screw

**Hebel Head Detail**
scale 1:5

- 50mm thick Hebel Powerpanel fixed on framing to 25mm steel Rondo batten
- 90x45mm H3.1 treated frame with studs at 600mm max centres and dwangs at 800mm max centres.
- R2.6 Insulation batts to external walls except to garage as specified
- Tyvek building paper
- Waterproof membrane on sill
- Adhesive used to build up top of panel behind sill block
- 65mm thick glass panel (optional) (Hebel 1 - 2mm above panel at rear)
- DPC flashing
- Approved sealant
- 10° slope
- Sill block glued to panel (optional) (Raised 1 - 2mm above panel at rear)
- DPC sill tray flashing fastened to top of sill and bent over behind panel and over batten
- 14 - 10 x 90mm bugle head screw
- Movement control joint
- Approved sealant and backing rod
- Movement control joint
- Approved sealant and backing rod
- 12 - 11 x 25mm hex head batten screw

**Hebel Pipe Penetration Detail**
scale 1:5

- 65mm thick Hebel Powerpanel on Rondo battens fixed to frame with 14 x 10mm bugle head screws
- Movement control joint
- Approved sealant and backing rod
- 10mm Gib with level 6 plaster finish to interior
- 10mm Gib with level 6 plaster finish to interior
- Pipe protruding from framing space
- DPC flashing
- Approved sealant
- 10mm Gib with level 6 plaster finish to interior
- Movement control joint
- Approved sealant and backing rod
- Movement control joint
- Approved sealant and backing rod
- 10mm Gib with level 6 plaster finish to interior
- Movement control joint
- Approved sealant and backing rod

**NOTE:** THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATION DOCUMENTS, ENGINEERING DETAILS, MANUFACTURERS SPECIFICATIONS AND TRUSS MANUFACTURER’S PLAN

**Consent Drawings**

*Proposed home for:*

*Lot:*

*Drawn by:*

*ACJ*

*Date:*

*26th May 2008*

*Note:*

Sub - Contractors to verify all dimensions on site. All work shall comply with the NZBC, NZS 3604 : 1999, and all other relevant standards and regulations.

**SAMPLE PLANS ONLY**
NOTE: ALL ALUMINIUM WINDOWS AND DOORS TO GO UP TO THE U/S OF THE SOFFITS. (ONLY ON HOUSES WITH SOFFITS) AND ALSO FULL HEIGHT WINDOWS TO BE THE SAME HEIGHT AS DOORS (ESPECIALLY IN CASES WHERE THERE ARE NO SOFFITS)

Note: Soffit and lintel heights can vary. Refer to specific Cross Section to establish soffit and lintel heights for this house.

**SAMPLE PLANS ONLY**

---

**Meter Box Flashing Detail - Hebel**

Scale: 1:10

- Hebel Panel fixed to framing on steel batten
- Building papering fixed externally to below upper eaves line with DPM
- Coloured inner papering taped to internal Hebel Cladding
- Slotted in Hebel Panel to framing on steel batten
- Building papering fixed externally to below upper eaves line with DPM
- Coloured inner papering taped to internal Hebel Cladding
- Slotted in Hebel Panel to framing on steel batten

---

**Internal Corner Flashing Detail**

Scale: 1:5

- Hebel Panel fixed to framing on Steel Rondo batten
- Building papering fixed externally to below upper eaves line with DPM
- Coloured inner papering taped to internal Hebel Cladding
- Slotted in Hebel Panel to framing on steel batten

---

**Proposed home for:**

**Date:** 26th May 2008

**J E W E L L & H I S L O P**

54. Cnr Jacques Way & Vesper Lane.

Delamain Estates. Christchurch City Council.

---

**CONSENT DRAWINGS**
Metal fascia and spouting system as per specification.

Colorsteel longrun roofing over self-supporting building paper as per specification, purlins to manufacturer's specification.

Trusses and roofing members to be designed and fabricated by approved manufacturer.

68x45mm Chem-Free timber purlin to be fixed to truss with 2/100x3.75 skewed nails and 1 wire dog.

Hardisoffit on 65x31mm H1.2 treated soffit bearers.

90x90mm H3.1 treated timber post.

2/290x45 H3.1 treated timber beams fixed to 90x90 H3.1 timber post via Bowmac B48 bracket with 5/M12 bolts.

Tyvek building paper.

Hardisoffit on 65x31mm H1.2 treated soffit bearers.

50mm thk Hebel Powerpanel on Rondo battens fixed to frame with 14 - 10 x 90mm bugle head screw.

2/290x45 H3.1 treated timber beams mitred at corners and fully nailed.

Hebel Powerpanel Covered Area Detail

Pack to soffit with Hebel Adhesive (5mm gap)

20-25mm Shrinkage control cut

90x45 stud framing @ 600crs fixed to floor slab with M12 Hold down bolts with 50x50x3mm washers at 900mm max centres and a min of 300mm from exterior wall corner.

20MPa 100mm concrete slab with 665 reinforcing mesh over 250 micron vapour barrier on 150mm min depth clean well compacted hardfill.

100thk Conc. floor slab

Plan View

Shrinkage Control Detail

scale 1:10

Pipe Penetration Detail

scale NTS

NOTE: (1) Y = to cover minimum of two crests.
(2) Suitable for pipes from 60 mm to 500 mm diameter.
(3) Suitable only for roof pitches of 10° or higher.

NOTE: ALL ALUMINIUM WINDOWS AND DOORS TO GO UP TO THE U/S OF THE SOFFITS. (ONLY ON HOUSES WITH SOFFITS) AND ALSO FULL HEIGHT WINDOWS TO BE THE SAME HEIGHT AS DOORS (ESPECIALLY IN CASES WHERE THERE ARE NO SOFFITS)

Note: Soffit and lintel heights can vary. Refer to specific Cross Section to establish soffit and lintel heights for this house.

NOTE: THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATION DOCUMENT, ENGINEERING DETAILS, MANUFACTURERS SPECIFICATIONS AND TRUSS MANUFACTURER'S PLAN.