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<tr>
<th>Drawing Description</th>
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<tr>
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<td>Sto Poren Brick Veneer Introduction</td>
<td>PB 004</td>
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<tr>
<td>Sto Poren Brick Veneer Narrow Widths &amp; Stress Points</td>
<td>PB 005</td>
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<tr>
<td>Sto Poren Brick Veneer Timber Lintel Calculation Tables</td>
<td>PB 006</td>
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<td>PB 100</td>
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<td>Sto Poren Brick Veneer Ribraft Floor System / Edge Detail</td>
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<td><strong>Walls Series 300</strong></td>
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<td>Sto Poren Brick Veneer External Corner</td>
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<td>Sto Poren Brick Veneer Internal Corner</td>
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<td>Sto Poren Brick Veneer Vertical Control Joint</td>
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<td>Sto Poren Brick Veneer Galvanised Fixing Brackets</td>
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<td>Sto Poren Brick Veneer Standard Lintel Connection</td>
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<td>Sto Poren Brick Veneer Lintel Opening (unsupported)</td>
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<tr>
<td>Sto Poren Brick Veneer Lintel Opening (supported) - Opt 1</td>
<td>PB 306</td>
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<td>PB 307</td>
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<tr>
<td><strong>Wall Penetrations &amp; Fittings Series 350</strong></td>
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<td>Sto Poren Brick Veneer Pipe Penetration Detail - up to 150mm</td>
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<td>Sto Poren Brick Veneer Light Fitting/Fixing Detail</td>
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<td>PB 354</td>
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<tr>
<td>Sto Poren Brick Veneer Downpipe Saddle Fixing &amp; Wiring Details</td>
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<td>Sto Poren Brick Veneer Fan Vent Detail</td>
<td>PB 356</td>
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<tr>
<td><strong>Joinery Series 400</strong></td>
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<tr>
<td>Sto Poren Brick Veneer Alu.Joinery - Head Detail - for openings up to 2000M</td>
<td>PB 400</td>
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<tr>
<td>Sto Poren Brick Veneer Alu.Joinery - Head Detail - for openings over 2000M</td>
<td>PB 401</td>
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<tr>
<td>Sto Poren Brick Veneer Alu.Joinery - Sill Detail - Opt 1</td>
<td>PB 402</td>
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<td>Sto Poren Brick Veneer Alu.Joinery - Sill Detail - Opt 2</td>
<td>PB 403</td>
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<tr>
<td>Sto Poren Brick Veneer Alu.Joinery - Jamb Detail</td>
<td>PB 404</td>
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<td>Sto Poren Brick Veneer Entry Door Head Detail</td>
<td>PB 405</td>
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<td>Sto Poren Brick Veneer Entry Door Threshold Detail</td>
<td>PB 406</td>
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<tr>
<td>Sto Poren Brick Veneer Entry Door Jamb Detail</td>
<td>PB 407</td>
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<tr>
<td>Sto Poren Brick Veneer Sliding Door Head Detail</td>
<td>PB 408</td>
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<tr>
<td>Sto Poren Brick Veneer Sliding Door Threshold - Concrete Floor</td>
<td>PB 409</td>
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<tr>
<td>Sto Poren Brick Veneer Sliding Door Jamb Detail</td>
<td>PB 410</td>
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*THESE DETAILS ARE ISSUED AS A GUIDE INCORPORATING STANDARD BUILDING PRACTICES. ALWAYS REFER TO MANUFACTURERS CURRENT DETAILS AND SPECIFICATIONS. THE SEQUENCE OF WORK COVERS VARIOUS BUILDING COMPONENTS, EACH TRADE IS RESPONSIBLE TO ENSURE THEIR ELEMENTS ARE FULLY INSTALLED INCLUDING ALL WATERPROOFING/SEALANT/FLASHINGS AS IS APPLICABLE.*
STO DRAWING REGISTER

Dissimilar Material

Weatherboard Series 800
- Sto Poren Brick Veneer/Weatherboard - Ext.Corner PB 800
- Sto Poren Brick Veneer/Weatherboard - Int.Corner PB 801
- Sto Poren Brick Veneer/Weatherboard - Vertical Joint Flashing PB 802
- Sto Poren Brick Veneer/Weatherboard - Horizontal Junction - Opt 1 PB 803
- Sto Poren Brick Veneer/Weatherboard - Horizontal Junction - Opt 2 PB 804

Brick Series 810 series not issued

Fibre Cement Sheet Series 820
- Sto Poren Brick Veneer/FC Sheet - Ext.Corner PB 820
- Sto Poren Brick Veneer/FC Sheet - Int.Corner PB 821
- Sto Poren Brick Veneer/FC Sheet - Vertical Junction PB 822
- Sto Poren Brick Veneer/FC Sheet - Horizontal Junction - Opt 1 PB 823
- Sto Poren Brick Veneer/FC Sheet - Horizontal Junction - Opt 2 PB 824

Concrete Block Series 830 series not issued

Manufactured Stone - Schist & Natural Stone Series 840 series not issued

Profile Metal Series 850
- Sto Poren Brick Veneer/Horiz.Profaced Metal - Ext.Cnr PB 850
- Sto Poren Brick Veneer/Horiz.Profaced Metal - Int.Cnr PB 851
- Sto Poren Brick Veneer/Horiz.Profaced Metal - Vertical Junction - Opt 1 PB 852
- Sto Poren Brick Veneer/Horiz.Profaced Metal - Vertical Junction - Opt 2 PB 853
- Sto Poren Brick Veneer/Horiz.Profaced Metal - Horizontal Junction - Opt 1 PB 854
- Sto Poren Brick Veneer/Horiz.Profaced Metal - Horizontal Junction - Opt 2 PB 855
- Sto Poren Brick Veneer/Horiz.Profaced Metal - External Corner PB 856
- Sto Poren Brick Veneer/Horiz.Profaced Metal - Internal Corner PB 857

StoTherm Panel EIFS Series 860
- Sto Poren Brick Veneer/StoTherm - External Corner PB 860
- Sto Poren Brick Veneer/StoTherm - Internal Corner PB 861
- Sto Poren Brick Veneer/StoTherm - Vertical Joint PB 862
- Sto Poren Brick Veneer/StoTherm - Horizontal Junction - Opt 1 PB 863
- Sto Poren Brick Veneer/StoTherm - Horizontal Junction - Opt 2 PB 864

DISSIMILAR JOINERY Series 870

TIMBER JOINERY
- Sto Poren Brick Veneer Timber Window Joinery - Head Detail PB 870
- Sto Poren Brick Veneer Timber Window Joinery - Sill Detail PB 871
- Sto Poren Brick Veneer Timber Window Joinery - Jamb Detail PB 872
- Sto Poren Brick Veneer Timber Door Joinery - Concrete Floor/Threshold Detail PB 873

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ALWAYS REFER TO MANUFACTURERS CURRENT DETAILS AND SPECIFICATIONS.
The sequence of work covers various building components, each trade is responsible to ensure their elements are fully installed including all waterproofing/sealant/flashings as is applicable.
STO POREN BRICK VENEER CONSTRUCTION SYSTEM

THE STO POREN BRICK VENEER SYSTEM HAS BEEN APPRAISED FOR USE AS A VENEER BRICK CLADDING SYSTEM FOR BUILDINGS WITHIN THE FOLLOWING SCOPE:

• THE SCOPE LIMITATIONS OF NZBC ACCEPTABLE SOLUTION E2/AS1 PARAGRAPH 1.1 IN TERMS OF FLOOR AREA, WITH A MAXIMUM OF TWO STORIES; AND,

• WITH A MAXIMUM HEIGHT OF BRICK VENEER OF 7.5 M ABOVE THE SUPPORTING FOUNDATION, EXCEPT THAT AT GABLE ENDS AND SOME PIERS THIS HEIGHT MAY BE UP TO 10.0 M, AND A MAXIMUM HEIGHT OF 4.0 M ABOVE A ROOF LINE; AND,

• WITH A DEPTH OF CAVITY OF BETWEEN 40 MM AND 75MM; AND,

• WITH A RISK SCORE OF 0-20, CALCULATED IN ACCORDANCE WITH NZBC ACCEPTABLE SOLUTION E2/AS1 TABLE 2; AND,

• WITH TIMBER FRAMING CONSTRUCTED ON SLAB-ON-GROUND IN ACCORDANCE WITH NZS 3604 AND/OR CONCRETE MASONRY FOUNDATION CONSTRUCTED IN ACCORDANCE WITH NZS 4229; AND,

• SITUATED IN NZS 3604 BUILDING WIND ZONES UP TO AND INCLUDING ‘EXTRA HIGH’.

STO POREN BRICK DRY CAVITY CONSTRUCTION SYSTEM

• NO SOFFIT OR WINDOW BRICK VENTS

• POREN uPVC JOINERY FLASHINGS

• POREN 2400 x 200 x 75mm STEEL REINFORCED LINTELS FOR OPENINGS

• POREN 600 x 200 x 75mm LIGHTWEIGHT BIG BRICKS

• POREN BRICK MORTAR FOR STRENGTH

• STO POREN PLASTER SYSTEM

STO POREN BRICK PLASTER SYSTEM

INCORPORATING:

1. S-PROTECT WS 205 SEALER TO SEAL BARE BRICKS

2. STOPOREN PLASTER 25kg BAG
   MINERAL MESHED BASECOAT PLASTER FOR STRAIGHTENING WALLS, CAN BE MACHINE APPLIED.

3. STOPLEX W SEALER 10lt CONTAINER
   EUROPEAN CONSOLIDATION SEALER

4. STOLIT K or MP COLOURED FINISHING RENDER 25kg PAIL
   EUROPEAN FIBRE REINFORCED NON-CEMENT COLOURED FINISHING RENDER AVAILABLE IN 1.0/1.5/2.0/3.0mm SIZED TEXTURE AND MP or MP NATURAL COLOURED SPONGE RENDER.

5. STOCOLOR:
   : MAXICRYL MATT FACADE PAINT 15lt PAIL
   : LASTIC SATIN FACADE PAINT 15lt PAIL
   : LOTUSAN MINERAL RESIN PAINT 15lt PAIL

6. STOARMAT MIRAL PLASTER SYSTEM CAN ALSO BE USED FOR TWENTY (20) YEAR WARRANTY

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A. POREN LINTEL OVER OPENINGS AND TO REINFORCED STRESS POINTS
B. OVERLAP LINTEL MIN 600mm PAST ANY NARROW WIDTHS OR STRESS POINTS
C. CONTINUOUS GALVANISED SHELF BRACKET REQUIRED ON PARALLEL SLOPING ROOFS
D. WIRE REINFORCED IN EXTERIOR CORNERS @800mm CENTRES
E. POREN LINTELS WITH POREN 310mm WIDE SHELF BRACKETS AT JOINS ON OPENINGS OVER 2000mm LONG OR AT INTER-STOREY PARALLEL ROOFS
F. MINIMUM BRICK WIDTH 200mm
G. CONTROL JOINT REQUIRED EVERY 6.0 LINEAL METERS WHERE A CONTROL JOINT OCCURS AT H, FINISH POREN LINTEL ON POREN SHELF BRACKET
H. FINISH LINTEL ON POREN SHELF BRACKETS FOR CONTINUOUS CONTROL JOINTS

NOTE: BRICK TIES REQUIRED AT 400mm VERTICALLY & 600mm HORIZONTALLY, AT ALL LINTEL JOINS OR TERMINATIONS, 150mm MAX. FROM CONTROL JOINTS

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## FLITCH BEAM CALCULATION TABLES TO SUPPORT POREN LINTEL AT OPENINGS

### STO POREN SYSTEM

**STO POREN BRICK VENEER**

**FLITCH BEAM CALCULATION TABLES**

PB-006

2014

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### Untiles Supporting Roof Only (Table 8.9 of NZS 3604)

<table>
<thead>
<tr>
<th>Max Veneer Height (mm)</th>
<th>Roof Type</th>
<th>Loaded Dimension</th>
<th>Max Veneer (m) for Flitch Beam Size</th>
<th>Pytha</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>FBL1</td>
<td>FBDOM</td>
<td>FBS2</td>
</tr>
<tr>
<td>600mm</td>
<td>Light</td>
<td>2</td>
<td>2.8</td>
<td>4.2</td>
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<td></td>
<td></td>
<td>3</td>
<td>2.9</td>
<td>4.0</td>
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<td></td>
<td></td>
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### Untiles Supporting Wall & Roof (Table 8.12 of NZS 3604)

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<tr>
<th>Max Veneer Height (mm)</th>
<th>Roof Type</th>
<th>Loaded Dimension (m)</th>
<th>Max Veneer (m) for Flitch Beam Size</th>
<th>Pytha</th>
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<tr>
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<td></td>
<td>FBL1</td>
<td>FBDOM</td>
<td>FBS2</td>
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### Untiles Supporting Roof, Wall, Roof (Table 8.11 of NZS 3604)

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<tr>
<th>Max Veneer Height (mm)</th>
<th>Roof Type</th>
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<th>Pytha</th>
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<tr>
<td></td>
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<td>FBL1</td>
<td>FBDOM</td>
<td>FBS2</td>
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<tr>
<td>Unlimited</td>
<td>Heavy</td>
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DPM STO FLEXYL BRUSH COAT APPLIED TO REBATE 5-10mm OVERHANG WEEP HOLES OR VENTS TO ACHIEVE VENTILATION - 1000mm² PER LINEAL METER (8x75mm holes @600 ctrs min.)

CONCRETE SLAB/REINFORCING AS PER NZS 3604 OR ENGINEER SPECIFIC DESIGN

STO POREN MORTAR FLUSH POINT JOINTS
STO POREN PLASTER SYSTEM
STO POREN BRICK VENEER 40-75mm CAVITY

BRICK TIES SCREW FIXED TO FRAMING IN FIRST COURSE THEN AT 400mm CTRS VERTICALLY & 600mm CTRS HORIZONTALLY

WEEP HOLES OR VENTS TO ACHIEVE VENTILATION - 1000mm² PER LINEAL METER (8x75mm holes @600 ctrs min.)

STO FLEXYL BRUSH COAT APPLIED TO REBATE

5-10mm OVERHANG
STO uPVC 5mm DRIP EDGE

PLASTER FOUNDATIONS TO DRIP EDGE - SCORE A LINE IN BASECOAT AND FINISH FLUSH. DONOT MESH OVER DRIP EDGE

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STO POREN BRICK VENEER
CONC.BLOCK FOUNDATION/TIMBER FLOOR

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STO POREN BRICK VENEER

STO POREN BRICK VENEER

RIBRAFT FLOOR SYSTEM / EDGE DETAIL

PB 202

2014

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INSTALL STO uPVC CONTROL JOINT WITH MS SEALANT IN STOARMAT CLASSIC MESH COAT

8-12mm

150mm MAX.

NOTE: VERTICAL CONTROL JOINTS AT MAX. 6 METERS CTRS OR WHERE THE HEIGHT OF THE WALL CHANGES BY MORE THAN 20%.
HORIZONTAL CONTROL JOINTS ONLY REQUIRED AT DISSIMILAR MATERIAL JUNCTIONS.

6.0M max.
TIMBER FRAMING TO NZS3604 WALL UNDERLAY 40mm MIN.CAVITY

TIMBER BEAM ENGINEERED GALV.STEEL 'H' or 'U' BRACKET. ALLOW 12mm MIN.GAP BETWEEN PLASTER & SEAL BRACKET WITH MS SEALANT OVER PEF ROD. USE A 'L' BRACKET FOR JOISTS AT RIGHT ANGLES

REFER TO ENGINEERS SPECIFIC STRUCTURAL REQUIREMENTS

NOTE: MANUFACTURED GALV.STEEL 'H' or 'U' BRACKET FOR PARALLEL CONNECTION. USE 'L' BRACKET FOR RIGHT ANGLED CONNECTIONS

STO POREN SYSTEM STO POREN BRICK VENEER GALVANISED FIXING BRACKETS

PB 303 2014

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STO POREN SYSTEM

STO POREN BRICK VENEER

STANDARD LINTEL CONNECTION

PB 304
2014

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MAX OPENING IS 2000mm

A. BRICK VENEER HEIGHT (MAX. WALL HEIGHT 7.5M GABLE ENDS UP TO 10M)
B. LAP (200mm MIN.)
C. OPENING

LINTEL LENGTH CALCULATION
C + (2xB) = LINTEL LENGTH

EG: 2000mm + (2x200mm) = 2400mm
LINTEL BRICK TIES 600mm MIN.CTRS - SPANS OVER 2000mm REQUIRE POREN SHELF BRACKETS

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REFER TO POREN SPAN TABLES FOR MITEK or PRYDA TIMBER LINTEL SIZES

LINTEL BRICK TIES @600mm CTRS MIN. 2 @150mm APART AT EACH MORTARED LINTEL JOINT. INCLUDE ENDS

A. BRICK VENEER HEIGHT (MAXIMUM WALL HEIGHT 7.5M. GABLE ENDS UP TO 10M)
B. LAP (200mm MIN.)
C. OPENING
D. LENGTH OF WHOLE LINTEL (2400mm)
E. LENGTH OF PARTIAL LINTEL

LINTEL LENGTH CALCULATION

OPENING + (2xB) = OVERALL LINTEL LENGTH
OVERALL LINTEL LENGTH - D + E
E / 2 = ½ E

EG: LINTEL LENGTH CALCULATION

4000mm + (2x200) = 4400mm
4400mm - 2400mm = 2000mm
2000 / 2 = 1000mm

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REFER TO POREN SPAN TABLES FOR MITEK or PRYDA TIMBER LINTEL SIZES

LINTEL BRICK TIES @600mm CTRS MIN. 2 @150mm APART AT EACH MORTARED LINTEL JOINT. INCLUDE ENDS

A. BRICK VENEER HEIGHT (MAXIMUM WALL HEIGHT 7.5M. GABLE ENDS UP TO 10M
B. LAP (200mm MIN.)
C. OPENING
D. LENGTH OF WHOLE LINTEL (2400mm)
E. LENGTH OF PARTIAL LINTEL

LINTEL LENGTH CALCULATION
OPENING + (2xB) = OVERALL LINTEL LENGTH
OVERALL LINTEL LENGTH - D = E
E / 2 = ½ E

EG: LINTEL LENGTH CALCULATION
6000mm + (2x200) = 6400mm
6400mm - 2400mm = 4000mm
4000 / 2 = 2000mm

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50 x 3mm EPDM WASHER GASKETS REQUIRED AROUND FIXINGS AND PLATE TO PROVIDE WEATHERTIGHTNESS

STO POREN PLASTER SYSTEM
STO POREN BRICK VENEER
STO POREN MORTAR

40-75mm CAVITY
BRICK TIES SCREW FIXED TO FRAMING - SPACINGS 400mm CTRS VERTICALLY & 600mm HORIZONTALLY

NOTE: LIGHTS AND LIGHTWEIGHT FITTINGS CAN BE FIXED USING MASONRY FIXINGS WITH 40mm MIN. EMBEDMENT

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PROVIDE TIMBER BLOCKING AT TAP

FLASHING TAPE
100mm ONTO UNDERLAY
25mm ONTO TAP CONNECTION

NOTE: STO QUADER BLOCK IS A HIGH DENSITY NON COMPRESIBLE EPS POLY BLOCK WITH 4x28mm PLYWOOD INSERTS. FACING FRAMING SIZE 645x645x145x60/FOUR SECTIONS PER BLOCK, USE A FIXING PLATE TO AVOID POINT LOADS
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1. DOWNPIPE/CLIP - SADDLE DETAIL

2. WIRING PENETRATION DETAIL

NOTE: ENSURE THE AMOUNT OF PENETRATIONS THROUGH THE SYSTEM IS KEPT TO A MINIMUM. THE WEATHERSEALING OF ALL WIRING, ETC AS SHOWN, IS THE RESPONSIBILITY OF THE APPLICABLE TRADE

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EXTRACTION PIPE SLOPE DOWNWARDS AT MINIMUM 5°

NOTE:
LEAVE 40mm DRAINAGE GAP IN SEALANT AT BOTTOM OF FAN COVER.
INSTALL FLASHING TAPE 100mm AROUND PIPE ONTO WALL UNDERLAY AND WRAP
25mm ROUND PIPE.
FOR FLEXIBLE PIPES, TAPE PIPE TO FAN COVER, APPLY STO JOINT SEAL TAPE
AROUND TAPE BEFORE PLACING IN HOLE. ALWAYS FINISH PLASTER BEFORE
INSTALLING FAN COVER

STO POREN SYSTEM
STO POREN BRICK VENEER
FAN VENT DETAIL

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2014

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responsibility of the specifier and/or the project manager to insure that they have the current Sto details and specifications.
NOTE: OPENINGS OVER 2000mm REQUIRE POREN SHELF BRACKETS FLASHING TAPE SYSTEM TO BE INSTALLED AROUND JOINERY OPENINGS AS PER E2/AS1 DETAILS

WALL UNDERLAY
40 - 75mm DRAINED CAVITY
STO POREN BRICK VENEER SYSTEM
STO POREN MORTAR FLUSH POINT JOINT
BRICK TIES SCREW FIX TO FRAMING - SPACING 200mm MAX. FROM OPENING

TIMBER LINTEL AS PERPOREN SPAN TABLE OR SPECIFIC DESIGN

STO POREN BRICK VENEER JOINERY LINTEL
STO uPVC ADJUSTABLE FOOT TRAY BASE, EXTN & FRONT FLASHING TAPE ONTO WALL UNDERLAY

AIRSEAL ON PEF ROD GAP 7.5-8mm APPROX

MIN. 5mm GAP REQUIRED
SEALANT REQUIRED FOR VERY HIGH AND EXTRA HIGH WIND ZONES
ALUMINIUM WINDOW HEAD FLASHING WITH 15° SLOPE AND 10mm COVER AT WINDOW HEAD
ALUMINIUM WINDOW JOINERY

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NOTE: OPENINGS OVER 2000mm REQUIRE POREN SHELF BRACKETS FLASHING TAPE SYSTEM TO BE INSTALLED AROUND JOINERY OPENINGS AS PER E2/AS1 DETAILS

ALUMINIUM WINDOW HEAD FLASHING WITH 15° SLOPE AND 10mm COVER AT WINDOW HEAD
ALUMINIUM WINDOW JOINERY
NOTE: WHERE THE CAVITY IS LARGER THAN 45mm PROVIDE H3.2 PACKER BEHIND THE POREN SHELF BRACKET. WHERE PACKERS ARE USED THE POREN SHELF FIXINGS LENGTH MUST BE INCREASED BY THE THICKNESS OF THE PACKER

SEALANT REQUIRED FOR VERY HIGH AND EXTRA HIGH WIND ZONES

AIRSEAL ON PEF ROD GAP 7.5-8mm APPROX

NOTE:
- TIMBER LINTEL AS PER POREN SPAN TABLE OR SPECIFIC DESIGN
- WALL UNDERLAY RETURNED INTO OPENINGS & FLASHING TAPE AT CORNERS
- STO 75mm uPVC VENTED BRICK CAP - CUT AROUND BRACKETS, INSTALL HORIZ.BATTEN TO RESTRICT CAVITY TO 25mm
- STO 75mm uPVC VENTED BRICK CAP - CUT AROUND BRACKETS, INSTALL HORIZ.BATTEN TO RESTRICT CAVITY TO 25mm
- SEALANT REQUIRED FOR VERY HIGH AND EXTRA HIGH WIND ZONES
- ALUMINIUM WINDOW HEAD FLASHING WITH 15° SLOPE AND 10mm COVER AT WINDOW HEAD
- ALUMINIUM WINDOW JOINERY
- NOTE: WHERE THE CAVITY IS LARGER THAN 45mm PROVIDE H3.2 PACKER BEHIND THE POREN SHELF BRACKET. WHERE PACKERS ARE USED THE POREN SHELF FIXINGS LENGTH MUST BE INCREASED BY THE THICKNESS OF THE PACKER

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AIRSEAL ON PEF ROD GAP
7.5-8mm APPROX & PACKER

WALL UNDERLAY LAPPED & STAPLED ON INSIDE EDGE. FLASHING TAPE OVER AS PER E2/AS1 100mm UP JAMBS

ALUMINIUM WINDOW JOINERY

STO uPVC JOINERY FLASHING
MS SEALANT
APPLY WS 205 SEALER TO JAMBS & SILL BEFORE PLASTERING

NOTE: STO uPVC JOINERY FLASHING TO BE INSTALLED DURING STO POREN BRICK VENEER CONSTRUCTION

BRICK TIES SCREW FIX TO FRAMING - SPACINGS 200mm MAX. FROM OPENING
STO POREN BRICK VENEER
STO POREN PLASTER SYSTEM

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NOTE: OPENINGS OVER 2000mm REQUIRE POREN SHELF BRACKETS - REFER DWG PB 407

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AIRSEAL ON PEF ROD GAP
7.5-8mm APPROX & PACKER
DRESSED PINE PRIMED REVEALS & ARCHITRAVES
WALL UNDERLAY LAPPED & STAPLED ON INSIDE EDGE
FLASHING TAPE OVER AS PER E2/AS1 100mm UP JAMBS

APPLY WS 205 SEALER TO JAMBS & SILL BEFORE PLASTERING

NOTE: STO uPVC JOINERY FLASHING TO BE INSTALLED DURING STO POREN BLOCK CONSTRUCTION

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STO POREN MORTAR
FLUSH POINT JOINT
BRICK TIES @ 600mm
MAX.CTRS & 2 @ 150mm APART
AT MORTARED LINTEL JOINTS
STO POREN BRICK
VENEER JOINERY LINTEL
40 - 75mm DRAINED CAVITY
STO POREN
PLASTER SYSTEM
300x75x6mm GALV.POREN SHELF
BRACKET FIXED WITH COACH BOLTS
OR SCREWS AT JOINTS
STO uPVC 75mm VENTED BRICK
CAP. INSTALL HORIZ.BATTEN TO
RESTRICT CAVITY TO 25mm
ALUMINIUM WINDOW HEAD FLASHING
WITH 15° SLOPE AND 10mm COVER AT
WINDOW HEAD. SEALANT REQ.FOR VH &
EXTRA HIGH WIND ZONES
WALL UNDERLAY RETURNED
INTO OPENINGS & FLASHING
TAPE AT CORNERS
AIRSEAL ON PEF ROD GAP
7.5-8mm APPROX
ALUMINIUM DOOR
JOINERY

NOTE: WHERE THE CAVITY IS LARGER THAN 45mm PROVIDE H3.2 PACKER BEHIND
THE POREN SHELF BRACKET. WHERE PACKERS ARE USED THE POREN SHELF
FIXINGS LENGTH MUST BE INCREASED BY THE THICKNESS OF THE PACKER

OPENINGS OVER 2000mm REQUIRE POREN SHELF BRACKETS. REBATE BRICKS SO
POREN SHELF BRACKETS FINISH FLUSH WITH BRICK

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APPLY WS 205 SEALER TO JAMBS & SILL BEFORE PLASTERING

NOTE: STO uPVC JOINERY FLASHING TO BE INSTALLED DURING STO POREN BRICK CONSTRUCTION
1. INSTALL METAL SADDLE FLASHING AT WALL JUNCTION
2. ENSURE TOP IS TEMPORARILY WATERPROOFED BEFORE COMMENCING PLASTERING
3. METAL CAPPING EXCLUDING DRIP EDGE MUST OVERLAP SHEET BY
   50mm MIN. IN LOW, MED or HIGH WIND ZONE,
   70mm MIN. IN VERY HIGH,
   90mm MIN. IN EXTRA HIGH WIND ZONES

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NOTE:
STO FLEXYL MESHEMED WATERPROOFING MEMBRANE HAS BEEN
TESTED BY BRANZ TO MEET THE REQUIREMENTS OF AS/NZS4858
WATERPROOF MEMBRANE AS REQUIRED BY E2/AS1
EXTRA HIGH WIND ZONES REQUIRE A RIGID UNDERLAY. FLASHING
MUST BE TAPE TO RIGID UNDERLAY

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2 LINES OF SEALANT

A. SADDLE FLASHING

B. PARAPET CAP

8mm EXPANSION GAP BETWEEN PARAPET CAP AND SADDLE FLASHING - USE MS SEALANT

RIVET THROUGH TOP OF CAP TO SADDLE FLASHING. MS SEALANT TO RIVETS EXTENT OF SADDLE FLASHING METAL PARAPET CAP FLASHING

50mm MIN.

50mm MIN.

NOTE: SADDLE FLASHING INSTALLED AFTER CAVITY SYSTEM. 50x50mm INTERNAL CNR FLASHING FROM BEHIND SADDLE EXTENDED TO BOTTOM OF WALL PANELS ON EACH BUILDING FACE

PLACE CAP FLASHING OVER SADDLE FLASHING - REFER TO E2/AS1 FIGURE 12 FOR CAP FIXING DETAILS.

H3.1 CAPPING PLATE CUT TO A FALL WITH FLASHING TAPE OR ROOFING UNDERLAY

WALL UNDERLAY

STO POREN SYSTEM

STO POREN BRICK VENEER

METAL SADDLE FLASHING & CAP INSTALL

PB 504

2014

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NOTE:
APPLY STOFLEXYL MESHED WATERPROOFING OVER BASECOAT
STOFLEXYL MESHED WATERPROOFING HAS BEEN TESTED BY BRANZ TO MEET THE REQUIREMENTS OF AS/NZS4858 FOR A WATERPROOFING MEMBRANE AS REQUIRED BY E2/AS1

OVERLAY OF STOFLEXYL MEMBRANE UNDER MESH COAT TO TOP & SIDES 75mm MIN.DOWNTURN OVER LEVELITE BASE COAT
LEVELLITE BASECOAT PLASTER

POREN PANEL CAP
FLASHING TAPE OR ROOF UNDERLAY OVER H3.1 CAPPING PLATE
H3.1 TIMBER CAPPING PLATE CUT TO A FALL - MIN.10°

STO POREN BRICK VENEER
WALL UNDERLAY
STO 20mm VH CAVITY BATTENS
STO POREN PANEL

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NOTE: STOFLEXYL MESHED WATERPROOFING HAS BEEN TESTED BY BRANZ TO MEET AS/NZS4858 AS REQUIRED BY E2/AS1. ALL WALL CAPS (MIN. 10° FALL) ARE TO HAVE STOFLEXYL WATERPROOFING AS SHOWN OVER THE STOPOREN BRICK BASECOAT PLASTER. STOFLEXYL TO EXTEND 75mm MIN. DOWN THE WALL FACE AND ONTO ADJACENT WALLS.

E2/AS1 REQUIRES BALCONY & PARAPET WALLS TO BE OFFSET FROM MAIN WALL PLAIN TO ALLOW FOR SADDLE FLASHINGS.

BASECOAT PLASTER, STOPOREN BRICK VENEER CAP OVER H3.1 CAPPING PLATE CUT TO 10° SLOPE WITH A LAYER OF FLASHING TAPE OR ROOFING UNDERLAY.

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ENGINEERED TO SPECIFIC STRUCTURAL REQUIREMENTS

GALVANIZED OR STAINLESS STEEL ‘H’ or ‘U’ BRACKET, SEAL BRACKET
WITH MS SEALANT OVER PEF ROD

TIMBER BEAM TO BE FIXED AFTER PLASTERING COMPLETE

40mm GAP RECOMMENDED
(12mm MIN. GAP)

ENGINEERED TO SPECIFIC STRUCTURAL REQUIREMENTS

STO POREN PLASTER SYSTEM

POREN BRICK VENEER

WALL UNDERLAY

40-75mm DRAINED CAVITY

STO POREN PLASTER SYSTEM

POREN BRICK VENEER

WALL UNDERLAY

40-75mm DRAINED CAVITY

NOTE: INSTALL FLASHING TAPE OVER BRACKET ONTO BUILDING UNDERLAY AS PER E2/AS1
fig 68, ALSO REFER TO DETAIL 510

MANUFACTURED GALVANIZED STEEL ‘H’ OR ‘U’ BRACKET FOR PARALLEL JOISTS OR USE ‘L’ BRACKET FOR RIGHT ANGLE CONNECTIONS

INSTALL DECK JOIST AFTER CLADDING IS FINISH PLASTERED
40mm GAP RECOMMENDED FOR FIXINGS AND PLASTERING

STO POREN SYSTEM

STO POREN BRICK VENEER

NON CANTILEVERED SLATTED DECK

PB 509

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FLASHING TAPE 100mm ONTO WALL UNDERLAY and ONTO BRACKET

WALL UNDERLAY 40-75mm DRAINED CAVITY STOPOREN PLASTER SYSTEM

GALVANIZED OR STAINLESS STEEL L BRACKET ENGINEERED FOR LOAD

STO JOINT SEAL EDGE & MS SEALANT

12mm MIN.GAP

NOTE: ‘L’ BRACKET ENGINEERED FOR LOAD. FLASHING TAPE TO BUILDING UNDERLAY IN ACCORDANCE WITH E2/AS1 FIG. 68

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NOTE: VENTING AT SOFFITS IS NOT REQUIRED WITH STO POREN BRICK DRY CAVITY SYSTEM
NOTE: VENTING AT SOFFITS IS NOT REQUIRED WITH STO POREN BRICK DRY CAVITY SYSTEM

REFER TO E2/AS1 TABLE 1 FOR RISK LEVELS. EAVE FLASHINGS ARE REQUIRED WHEN FASCIA IS 100mm OR LESS FROM WALL CLADDING AND ROOF PITCH IS LESS THAN 10°
NOTE: VENTING AT SOFFITS IS NOT REQUIRED WITH STO POREN BRICK DRY CAVITY SYSTEM

MAX. ANGLE OF SOFFIT RESTRICTED TO BETWEEN 91°-115°
NOTE: VENTING AT SOFFITS IS NOT REQUIRED WITH STO POREN BRICK DRY CAVITY SYSTEM

MAX ANGLE OF SOFFIT RESTRICTED TO BETWEEN 91°-115°
SELECTED ALUMINIUM WINDOW/DOOR JOINERY

TENBER LINTEL AS PER NZS 3604

100mm MIN. TO FACE OF CLADDING

SELECTED FIBRE CEMENT SOFFIT LINING

18x18mm TIMBER BEAD AT SOFFIT, PAINTED

LINE OF STO POREN BRICK VENEER BEYOND - SHOWN DASHED

PROVIDE AIRSEAL ON PEF ROD GAP 7.5-8mm APPROX. WALL UNDERLAY DRESSED INTO OPENING AS PER E2/AS1 DETAIL

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NOTE: PROVIDE FLASHING STOPEND AT ROOF TO GUTTER JUNCTION TO DIVERT WATER INTO THE GUTTER - Refer Drawing PB606

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ROOFING MEMBRANE 150mm MIN. UPSTAND, 75mm CLADDING COVER, CLADDING 35mm MIN. ABOVE MEMBRANE

STO STICK ON CONNECTOR or MS SEALANT JOINT ON PEEL ROD BETWEEN STOPEND AND CLADDING

ROOFING MEMBRANE OVER METAL STOPEND. STOPEND TO EXTEND 10mm MIN. PAST FINISHED WALL

NOTE: MEMBRANE NOT SHOWN ON STOP END FOR CLARITY

A = CAVITY & FINISHED CLADDING + 10mm

STO POREN SYSTEM OVER 40-75mm DRAINED CAVITY

STO uPVC VENTED HEAD FLASHING STOP END 10mm PAST FINISHED CLADDING

BACK FLASHING 50mm BEHIND FASCIA & CLADDING

FASCIA 10mm SHORT OF FINISHED CLADDING WITH MS SEALANT JOINT

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DRESS WALL UNDERLAY OVER GUTTER LINING

STO POREN BRICK TO LAP OVER UPSTAND. FINISH 50mm MIN.ABOVE GUTTER LINING

SELECTED GUTTER LINING CARRIED OVER ANTI-PONDING BOARD AND UP ABUTMENT FRAME ON NOG TO SUIT ANTI-PONDING BOARD LAID TO A 5° MIN.FALL GUTTER BOARD AT ABUTMENT ON NOGS TO SUIT

ROOF UNDERLAY CARRIED DOWN OVER GUTTER LINING MASONRY ROOFING TILE

STO POREN SYSTEM

STO POREN BRICK VENEER

ROOF PENETRATION/GUTTER (Masonry Tile) DETAIL

PB 705

2014

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**NOTE:** WHERE GUTTER FINISHES WITHIN THE LENGTH OF THE WALL, STEP LOWER PART OF GUTTER OUT TO 10mm PAST THE CLADDING LINE, WHILE MAINTAINING REQ.CLEARANCES, TO ALLOW THE GUTTER TO FEED INTO THE LOWER EAVES GUTTER.

- REFER Fig: 37 & Fig: 50 Incl. Section 8.1.6.2

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SELECTED MEMBRANE FINISH OVER H3 "C" FACED PLYWOOD LAID TO 1:60MIN.FALL. GLUE & SCREW TO TIMBER JOISTS, ALL EDGES SUPPORTED ON FRAMING

MIN.5mm RADIUS TO PLYWOOD

50/90mm LAP REFER NZBC, TABLE 7 E2/AS1

TAKE BOTH LAYERS 6mm PAST S/S ANGLE TO FORM DRIP EDGE

PREFINISHED METAL SPOUTING AND BRACKETS

H3.1 PRE PRIMED & PAINTED FASCIA/BARGE BOARD

MS SEALANT ON PEF ROD

CONTINOUS BATTEN OR BLOCKING TO CLOSE OFF CAVITY FROM ROOF SPACE

STO POREN SYSTEM

STO POREN BRICK VENEER
FACE FIXED FASCIA/MEMBRANE ROOF

PP 708

2014

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STO POREN SYSTEM

STO POREN BRICK VENEER

W'BOARD/STO POREN BRICK VENEER INT.CNR

PB 801

2014
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REFER TO E2/AS1 FOR COMPLIANT PROFILES AND FLASHINGS
HORIZONTAL PROFILE METAL WALL CLADDING IS FIXED ON A DRAINED CAVITY
VERTICAL PROFILE METAL WALL CLADDING IS DIRECT FIXED OVER A ROOF UNDERLAY

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NOTE: REFER TO E2/AS1 FOR COMPLIANT PROFILES AND FLASHINGS
HORIZONTAL PROFILE METAL WALL CLADDING (SPECIFY TYPE, THICKNESS & COATING)
PROFILED FOAM CLOSURE STRIP UNDER CLADDING
FIXINGS IN ACCORDANCE WITH E2/AS1

45x20mm H3.2 TIMBER CAVITY BATTEMS
E2/AS1 COMPLIANT BACK FLASHING. END RETURN TO SUIT BRICK VENEER DIMENSIONS.
KEEP FLASHING 3mm MIN CLEAR OF BRICK VENEER

NOTE: REFER TO E2/AS1 FOR COMPLIANT PROFILES AND FLASHINGS
HORIZONTAL PROFILE METAL WALL CLADDING IS FIXED ON A DRAINED CAVITY
VERTICAL PROFILE METAL WALL CLADDING IS DIRECT FIXED OVER A ROOF UNDERLAY

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NOTE:
A = CHECK WITH SHEET METAL FOLDER A NARROW NECK MAY REQUIRE A WELDED JOINT.
REFER TO E2/AS1 FOR COMPLIANT PROFILES AND FLASHING
HORIZONTAL PROFILE METAL WALL CLADDING IS FIXED ON A DRAINED CAVITY
VERTICAL PROFILE METAL WALL CLADDING IS DIRECT FIXED OVER A ROOF UNDERLAY

PROFILE FOAM CLOSURE STRIP UNDER CLADDING
WALL UNDERLAY
HORIZONTAL PROFILED METAL WALL CLADDING (SPECIFY TYPE, THICKNESS & COATING)
PURPOSE MADE FLASHING (SPECIFY COATING) - ALTERNATIVELY THIS CAN BE EXTENDED TO SUIT POREN BRICK VENEER - SHOWN DASHED

40-75mm DRAINED CAVITY

BRICK TIES SCREW FIX TO FRAMING

STO PORENBRICK VENEER
STO POREN PLASTER SYSTEM
MS SEALANT ON STO JOINT SEAL TAPE OR PEF ROAD 6mm MIN.GAP

NOTE:
A = CHECK WITH SHEET METAL FOLDER A NARROW NECK MAY REQUIRE A WELDED JOINT.
REFER TO E2/AS1 FOR COMPLIANT PROFILES AND FLASHING
HORIZONTAL PROFILE METAL WALL CLADDING IS FIXED ON A DRAINED CAVITY
VERTICAL PROFILE METAL WALL CLADDING IS DIRECT FIXED OVER A ROOF UNDERLAY

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HORIZONTAL PROFILE METAL WALL CLADDING IS FIXED ON A DRAINED CAVITY

VERTICAL PROFILE METAL WALL CLADDING IS DIRECT FIXED OVER A ROOF UNDERLAY

NOTE:

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REFER TO E2/AS1 FOR COMPLIANT PROFILES AND FLASHINGS

HORIZONTAL PROFILE METAL WALL CLADDING IS FIXED ON A DRAINED CAVITY

VERTICAL PROFILE METAL WALL CLADDING IS DIRECT FIXED OVER A ROOF UNDERLAY

HORIZONTAL PROFILED METAL WALL CLADDING (SPECIFY TYPE, THICKNESS & COATING)

FIXINGS IN ACCORDANCE WITH E2/AS1

CONTINUOUS CAVITY DRAINAGE CLOSURE STRIP

FLASHING TAPE LAPPED OVER HEAD FLASHING

CAVITY CLOSER POSITIONED TO GIVE 15mm MIN. DRIP EDGE TO CLADDING

5mm MIN. GAP REQUIRED

E2/AS1 COMPLIANT FLASHING

MS SEALANT OR STO JOINT SEAL TAPE AS REQUIRED TO PLASTER/FLASHING

SILL 15° SLOPE OVERHANG 30-50mm

40-75mm DRAINED CAVITY

STO POREN BRICK VENEER

STO POREN PLASTER SYSTEM

BRICK TIES SCREW FIXED TO FRAMING

STO POREN MORTAR FLUSH POINT JOINTS

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HORIZONTAL PROFILE METAL WALL CLADDING IS FIXED ON A DRAINED CAVITY
VERTICAL PROFILE METAL WALL CLADDING IS DIRECT FIXED OVER A ROOF UNDERLAY

HORIZONTAL PROFILED METAL WALL CLADDING (SPECIFY TYPE, THICKNESS & COATING)
FIXINGS IN ACCORDANCE WITH E2/AS1 CONTINUOUS CAVITY DRAINAGE CLOSURE STRIP
FLASHING TAPE LAPPED OVER HEAD FLASHING
CAVITY CLOSER POSITIONED TO GIVE 15mm MIN. DRIP EDGE TO CLADDING
5mm MIN. GAP REQUIRED

1. IN EXTRA HIGH WIND ZONES INCREASE FLASHING COVER TO 60mm MIN. AND USE A RIGID UNDERLAY

PACKER
E2/AS1 COMPLIANT FLASHING
MS SEALANT OR STO JOINT SEAL TAPE AS REQUIRED TO PLASTER/FLASHING
BRICK TIES SCREW FIXED TO FRAMING
STO POREN MORTAR FLUSH POINT JOINTS
40-75mm DRAINED CAVITY
STO POREN BRICK VENEER
STO POREN PLASTER SYSTEM

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1. REFER TO E2/AS1 FOR COMPLIANT PROFILES AND FLASHINGS
2. HORIZONTAL PROFILE METAL WALL CLADDING IS FIXED ON A DRAINED CAVITY
3. VERTICAL PROFILE METAL WALL CLADDING IS DIRECT FIXED OVER A ROOF UNDERLAY. FIXING IN ACCORDANCE WITH E2/AS1
4. IN EXTRA HIGH WIND ZONES INCREASE FLASHING COVER TO 60mm MIN. AND USE A RIGID UNDERLAY

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POLYTHENE FLASHING CONTINUOUS AROUND SILL
100mm MIN. UP JAMBS & 50mm MIN. ONTO FACE OF WALL UNDERLAY & H3.1
TIMBER BATTEN UNDER FLASHING TO FORM DRIP EDGE

DRESSED PINE PRIMED REVEALS & ARCHITRAVES
AIRSEAL ON PEF ROD GAP 7.5-8mm APPROX

SILL TRAY FLASHING WITH STOP-END, LENGTH TO COVER FULL LENGTH OF SILL
TIMBER WINDOW SILL TO NZS 3610

SILL 15° SLOPE OVERHANG 30-50mm FINISH ENDS WITH BRICK SLIP

STO POREN BRICK VENEER
STO POREN PLASTER SYSTEM

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**STO POREN SYSTEM**
**STO POREN BRICK VENEER**
**TIMBER DOOR JOINERY - CONC.FLOOR THRESHOLD DETAIL**

**PB 873**

**2014**