### STO DRAWING REGISTER

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<td>StoTherm Masonry Insulation System 40mm insulation to rebate - Jamb Detail</td>
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<td>StoTherm Masonry Insulation System Parapet/Metal Flashing Detail</td>
<td>STM 500</td>
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*THESE DETAILS ARE ISSUED AS A GUIDE USING STANDARD BUILDING PRACTICES BASED ON THE NZBC. VARIOUS BUILDING COMPONENTS ARE DETAILED AND IT IS THE RESPONSIBILITY OF EACH TRADE INVOLVED TO ENSURE THAT THEIR PARTICULAR ELEMENTS ARE INSTALLED CORRECTLY. NOTE: REFER TO INDIVIDUAL MANUFACTURES FOR CURRENT DETAILS AND SPECIFICATIONS - SEE www.sto.co.nz FOR CURRENT DETAILS. RBW DETAILS MUST BE ISSUED BY A REGISTERED ARCHITECT, LICENSED DESIGNER OR CHARTERED ENGINEER.*
### Soffit Series 600
- StoTherm Masonry Insulation System Flat Soffit: STM 600
- StoTherm Masonry Insulation System Raking Soffit: STM 601
- StoTherm Masonry Insulation System Face Fixed Fascia: STM 602
- StoTherm Masonry Insulation System Flat Soffit (reversed): STM 603

### Roof Series 700
- StoTherm Masonry Insulation System Barge with Overhang: STM 700
- StoTherm Masonry Insulation System Parallel Apron Flashing at Parapet: STM 701
- StoTherm Masonry Insulation System Eaves with Overhang: STM 702
- StoTherm Masonry Insulation System Eaves without Overhang: STM 703
- StoTherm Masonry Insulation System Parallel Apron Flashing: STM 704
- StoTherm Masonry Insulation System Transverse Apron Flashing: STM 705
- StoTherm Masonry Insulation System Parallel Roof/Hidden Gutter: STM 706
- StoTherm Masonry Insulation Face Fixed Fascia/Membrane Roof: STM 707

### Dissimilar Material

#### Bevel-Back Weatherboard Series 800
- StoTherm Masonry Insulation System Ext.Corner: STM 800
- StoTherm Masonry Insulation System Int.Corner: STM 801
- StoTherm Masonry Insulation System Horizontal Junction: STM 802

#### Brick Series 810
series not issued

#### Fibre Cement Sheet Series 820
series not issued

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

#### Profile Metal Series 850
- StoTherm Masonry Insulation System Ext.Cnr Horiz.Profiled Metal: STM 850
- StoTherm Masonry Insulation System Int.Cnr Horiz.Profiled Metal: STM 851
- StoTherm Masonry Insulation System Horizontal Junction/Horiz.Profiled Metal: STM 852
- StoTherm Masonry Insulation System Ext.Cnr Vertical Profiled Metal: STM 853
- StoTherm Masonry Insulation System Int.Cnr Vertical Profiled Metal: STM 854
- StoTherm Masonry Insulation System Horizontal Junction/Vertical Profiled Metal: STM 855

#### StoTherm Panel EIFS 860
series not issued

#### DISSIMILAR JOINERY Series 870
series not issued

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STO CONCRETE BLOCK INSULATION SYSTEM

SS207 STOTHERM MASONRY INSULATION SYSTEM BRANZ APPRAISAL CERTIFICATE NO. 604

INCORPORATING:

1. STOTHERM PANEL (EPS) SELF-EXTINGUISHING PANEL MANUFACTURED TO AS1366 PT B (in 40mm, 50mm, 60mm, 80mm & 100mm thickness)
2. STOFLEXYL WATERPROOFING 15kg PAIL PLUS CEMENT EVALUATED BY BRANZ TO MEET AS/NZS4658 AS A WATERPROOFING MEMBRANE OVER RENDER SUBSTRATES IN ACCORDANCE WITH NZBC E2/AS1
3. MULTISCREED RENDER 25kg BAG BASECOAT RENDER TO STRAIGHTEN AND PROVIDE A SOLID BASECOAT
4. STOARMAT CLASSIC RENDER 23kg PAIL EUROPEAN FIBRE REINFORCED NON-CEMENT BASED CRACK RESISTANT RENDER USED WITH EUROPEAN MESH AS A REINFORCEMENT PLASTER
5. STOLIT K or MP COLOURED RENDER 25kg PAIL EUROPEAN FIBRE REINFORCED NON-CEMENT BASED COLOURED FINISHING RENDER AVAILABLE IN STOLIT K 1.0/1.5/2.0/3.0mm FLOAT FINISH & STOLIT MP, MP NATURAL & MILANO FINE FINISH
6. STOCOLOR:
   : STOCOLOR MAXICRYL MATT FACADE PAINT 15lt PAIL
   : STOCOLOR LASTIC SATIN FACADE PAINT 15lt
   : STOCOLOR LOTUSAN FLAT MINERAL PAINT 15lt PAIL

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STOTHERM MASONERY INSULATION SYSTEM - SS207

STO ADHESIVE MORTAR

SELECTED STOTHERM PANELS - 40, 50, 60, 80 & 100mm THICK PANELS

BASECOAT: STOLEVEL NOVO 4-5mm

REINFORCEMENT: STOARMAT CLASSIC

PLUS: STO EUROPEAN MESH

FINISHING RENDER: STOLIT K or MP COLOURED FINISHING RENDER - 1.0, 1.5, 2.0 & 3.0mm

FLOAT FINISH or MP SPOUNGE or MILANO SMOOTH

REINFORCEMENT: STOARMAT CLASSIC

STOLEVEL NOVO 4-5mm

BASECOAT: STOLEVEL NOVO 4-5mm

REINFORCEMENT: STOARMAT CLASSIC

FINISHING RENDER: STOLIT K or MP COLOURED FINISHING RENDER - 1.0, 1.5, 2.0 & 3.0mm

FLOAT FINISH or MP SPOUNGE or MILANO SMOOTH

STOCOLOR MAXICRYL MATT FACADE PAINT

LASTIC SATIN FACADE PAINT

LOTUSAN MINERAL RESIN PAINT

COATING/STOCOLOR MAXICRYL MATT FACADE PAINT

LASTIC SATIN FACADE PAINT

LOTUSAN MINERAL RESIN PAINT

NOTE:
STOTHERM PANELS CAN BE COUNTERSUNK FROM 60mm PLUS THICKNESSES

STOTHERM MASONRY
STOTHERM MASONRY INSULATION SYSTEM
STOTHERM INSULATION SYSTEM - ISOMETRIC

STM 100
2017

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STOTHERM PANELS - 600X1200mm or 1200X2400mm CAN BE USED FOR THICKNESSES UPTO 60mm. DETAIL IS SHOWING 600X1200mm PANELS

NOTE:
PANELS MUST BE STRETCHER BOND, STARTING FROM THE BOTTOM. TO BE GLUECOAT ADHERED & MECHANICALLY FIXED WITH STOTHERM ANCHORS. ALL PANEL CUTS SHALL BE MADE CAREFULLY TO ACHIEVE A TIGHT FIT. GLUECOAT ADHERED PANELS ARE TO BE MECHANICALLY FIXED WITH STOTHERM ANCHORS. ADHESIVE FOAM ANY GAPS AFTER FIXING TO JOINERY REVEALS USE STOFLEXYL WATERPROOFING WITH STOARMAT CLASSIC MESHED HEAD, SILL & JAMB DETAIL

STOTHERM PANELS
STOLEVEL NOVO BASECOAT
STO MESH

STO PREMESHEDE CORNER ANGLES

STOARMAT CLASSIC MESH COAT

STOLIT K or MP FINISHING RENDER

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STOTHERM MASONRY INSULATION SYSTEM

STOTHERM PANEL & ANCHOR LAYOUT

STM 102
2017
1. SURFACE MOUNTED FIXINGS: STOTHERM MASONRY INSULATION SYSTEM CAN USE FACE FIXED STOTHERM ANCHORS ON 40-60mm STOTHERM PANELS.

   NOTE
   FACED FIXED ANCHORS CAN EXHIBIT THERMAL BRIDGING SPOTS IN COLD WEATHER

2. STOTHERM INSULATION PANELS:

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<thead>
<tr>
<th>Thickness</th>
<th>R-Value</th>
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<tbody>
<tr>
<td>40mm</td>
<td>1.0</td>
</tr>
<tr>
<td>50mm</td>
<td>1.3</td>
</tr>
<tr>
<td>60mm</td>
<td>1.57</td>
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<tr>
<td>80mm</td>
<td>2.1</td>
</tr>
<tr>
<td>100mm</td>
<td>2.63</td>
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<table>
<thead>
<tr>
<th>Thickness</th>
<th>R-Value</th>
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</thead>
<tbody>
<tr>
<td>40mm</td>
<td>1.3</td>
</tr>
<tr>
<td>50mm</td>
<td>1.6</td>
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<tr>
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<td>80mm</td>
<td>2.58</td>
</tr>
<tr>
<td>100mm</td>
<td>3.22</td>
</tr>
</tbody>
</table>

3. COUNTER SUNK FIXINGS: STOTHERM MASONRY INSULATION SYSTEM STOTHERM ANCHORS WITH STO INSULATING CAP ELIMINATES THERMAL BRIDGING SPOTS ON 50, 60, 80 & 100mm STOTHERM PANELS.

   NOTE
   IMPACT FIXINGS CAN ALSO BE USED ON 50, 60 or 80mm STOTHERM PANELS USING A STO ROUTER TO CUT THE HOLE.

4. STOTHERM INTERIOR RENDER SYSTEM:

   SEE STO SELECTION OF INTERIOR RENDER SYSTEMS AND FINISHES.

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STOTHERM uPVC FOOT TRAY: LEAVE AN 8mm GAP BEFORE FINISHING WITH MS SEALANT ON PEB ROD OVER PAVING

CONCRETE BLOCK WALL
STO ADHESIVE RENDER
STOTHERM MASONRY INSULATION RENDER SYSTEM
SELECTED STOTHERM PANEL
STOTHERM COUNTERSUNK ANCHORS AS PER FIXING LAYOUT
STOFLLEXYL BRUSH COAT FROM 100mm ABOVE FLOOR LEVEL TO 200mm BELOW BASE OF STOTHERM PANEL. STOFLLEXYL TO BE MESHED WHERE BLOCKS EXTEND INTO THE GROUND.

FLOOR LEVELS
1. 100mm TO PAVED GROUND LEVEL
2. 150mm TO UNPAVED GROUND LEVEL

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NOTE:
1. BRUSH COAT CONCRETE WITH STO FLEXYL TO CONCRETE FOUNDATION 150mm MIN. ABOVE G.L.
2. INSTALL POLYSTYRENE PLINTH BOARD ENSURING THE EPS SHEET IN GROUND IS FLEXYL COATED TO ALL SIDES. IF XPS PLINTH BOARD USED, SURFACES TO BE RASPED PRIOR TO APPLICATION OF STOFLEXYL.

NOTE:
FOR CONCRETE BLOCK FOUNDATIONS STOFLEXYL MESH BLOCKS
3. APPLY STO FLEXYL BRUSH COAT OVER STOLEVELL NOVO BASE COAT FROM 150mm ABOVE GROUND TO 100mm PAST TERMINATION POINT

FLOOR LEVELS
1. 100mm TO PAVED GROUND LEVEL
2. 150mm TO UNPAVED GROUND LEVEL

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STOTHERM MASONRY INSULATION SYSTEM

EXTERIOR CORNER - PLAN VIEW

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EXTERIOR
STOTHERM COUNTERSUNK ANCHORS 100mm EACH SIDE OF CONTROL JOINT AT 600mm CTRS MAX.
ENGINEERED CONCRETE BLOCK CONTROL JOINT
STO uPVC CONTROL JOINT IN STOARMT MESH COAT

STOTHERM MASONRY INSULATION SYSTEM

SELECTED CONC.BLOCK
STOTHERM MASONRY INSULATION RENDER SYSTEM
SELECTED STOTHERM PANEL
STO ADHESIVE RENDER

INTERIOR WITH SELECTED STO INTERIOR RENDER SYSTEM

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STOFLEXYL MESSED WATERPROOFING
150mm MIN. ABOVE & BELOW STAIRS
WITH 50mm MIN. PAST STOTHERM PANEL
ON STAIRS or UNDERTILE MEMBRANE

BED STOTHERM PANELS IN
STOFLEXYL MORTAR

SELECTED CONCRETE
BLOCK WALL

APPLY STOFLEXYL MESSED BAND ON
CONC. BLOCKS 150mm MIN. ABOVE AND 150mm
BELOW STAIRS BEFORE BOXING - APPLY
STOFLEXYL MESH, 50mm MIN. PAST STOTHERM
INSULATION BEFORE RENDERING OR
APPLYING TILE MEMBRANE

STOFLEXYL WATERPROOFING MEMBRANE

- WALL CAPS, PARAPETS, BALUSTRADE TOPS
- JOINERY OPENINGS
- TIMBER OVERLAYS & SOFFITS OVERLAYING
BLOCKS
- STAIRS
- ADJACENT GARDEN WALLS
- FOUNDATIONS

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STOTHERM COUNTERSUNK ANCHORS AS PER FIXING LAYOUT.

STOTHERM ADHESIVE RENDER

STOTHERM MASONRY INSULATION RENDER SYSTEM

SELECTED STOTHERM PANEL

STOTHERM MASONRY INSULATION SYSTEM

PIPE OR OTHER PENETRATION SLOPED DOWNWARD - TOWARD THE OUTSIDE

8/10mm SEALANT BEAD ON PEF ROD BETWEEN PIPE AND RENDER

5° MIN. SLOPE TO OUTSIDE

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STOTHERM COUNTERSUNK ANCHORS AS PER FIXING LAYOUT.

STOTHERM ADHESIVE RENDER
STOTHERM MASONRY INSULATION RENDER SYSTEM
SELECTED STOTHERM PANEL

LIGHT FITTING WITH PLASTIC CONDUIT FOR WIRING
MASSORY FIXINGS WITH 50mm x3mm EPDM WASHERS
USE STAINLESS STEEL PIPE SPACERS AT FIXINGS TAKING CARE TO AVOID CRUSHING EPS SHELL
CONC.BLOCK WALL

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INTERIOR

STOTHERM COUNTERSUNK ANCHORS AS PER FIXING LAYOUT.

EXTERIOR

TAP FITTED SECURILY ON THREADED PIPE WITH WATERPROOF WASHER AND SEALED WITH MS SEALANT

CUT SHELL TO FIT PIPES

PIPE FIXED ONTO CONCRETE WITH SADDLE CLAMPS & TAPETS. FILL ANY GAPS WITH STO ADHESIVE FOAM.

STO ADHESIVE RENDER

SELECTED STOTHERM PANEL

STOTHERM MASONRY INSULATION RENDER SYSTEM

SELECTED CONC.BLOCK

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STOTHERM MASONRY INSULATION SYSTEM

HAND RAIL BRACKET/FIXING DETAIL

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NOTE:
STO SPIRAL FIXINGS MAY BE USED TO SUPPORT OTHER
LIGHTWEIGHT ITEMS SUCH AS LIGHTS & SECURITY FITTINGS
HOWEVER SPIRAL FACE WEIGHT MUST NOT EXCEED 8kgs

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APPLY STOFLEXYL MESHED WATERPROOFING TO EXTERNAL REBATES OUT OVER STOTHERM PANEL TO EXTERNAL CORNER

STO PREMESHE D DRIP EDGE
MS SEALANT CONTINUOUS ACROSS HEAD & DOWN JAMBS

APPLY STOFLEXYL IN TWO BRUSH COATS TO ALL INTERNAL REBATES OUT ONTO EXTERNAL REBATES

STOTHERM MASONRY INSULATION RENDER SYSTEM

SELECTED CONC.BLOCK
STO ADHESIVE RENDER

PROPRIETARY ALU.WINDOW JOINERY
APPLY STOFLEXYL MESHED WATERPROOFING TO EXTERNAL REBATES OUT OVER STOTHERM PANEL TO EXTERNAL CORNER TURN MESH UP REBATE EDGE ON JAMBS AND SILL

SELECTED CONC.BLOCK
STOTHERM MASONRY INSULATION RENDER SYSTEM

SELECTED STOTHERM PANEL

STOTHERM MASONRY INSULATION SYSTEM
ALUMINIUM JOINERY - HEAD & SILL DETAIL

SCALE 1:5

STOTHERM MASONRY

STM 400
2017

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APPLY STOFLEXYL MESHED WATERPROOFING TO EXTERIOR REBATES OUT OVER STOTHERM PANEL TO EXTERNAL CORNER

MS SEALANT CONTINUOUS ACROSS HEAD & DOWN JAMBS

PROPRIETARY ALU.WINDOW JOINERY

SELECTED CONC.BLOCK

APPLY STOFLEXYL IN 2 BRUSH COATS ON INTERNAL REBATES OUT ONTO EXTERNAL REBATE

STO ADHESIVE MORTAR

SELECTED STOTHERM PANEL

STOTHERM MASONRY INSULATION RENDER SYSTEM

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SELECTED CONC.BLOCK
STOTHERM MASONRY INSULATION RENDER SYSTEM
APPLY STOFLEXYL MESHED WATERPROOFING TO EXTERNAL REBATES OUT OVER STOTHERM PANEL TO EXTERNAL CORNER

STO PREMESHD DRIP EDGE
APPLY MS SEALANT AROUND REBATE/JOINERY HEAD AND JAMBS AND FINISH WITH TIMBER TRIM WITH MS SEALANT

STO 6mm uPVC FINISHING EDGE IN BASECOAT RENDER. MS SEALANT CONTINUOUS ACROSS HEAD & DOWN JAMBS WITH TIMBER TRIM

APPLY STOFLEXYL IN TWO BRUSH COATS TO ALL INTERNAL BLOCK REBATES OUT ONTO EXTERNAL REBATE

TIMBER JOINERY PROFILES AS PER NZS 3610
H3.1 TIMBER PACKERS ON DPC. IF REQUIRED FIT JOINERY SUPPORT BAR

APPLY STOFLEXYL MESHED WATERPROOFING TO EXTERNAL REBATES OUT OVER STOTHERM PANEL TO EXTERNAL CORNER

SELECTED CONC.SILL BLOCK

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SELECTED CONC.BLOCK

AIR SEAL OVER BACKING ROD

STOFLEXYL CONTINUES ON INTERNAL PORTION OF REBATE

TIMBER JOINERY PROFILES AS PER NZS 3610

FIX TIMBER BEAD AROUND JOINERY HEAD AND JAMB WITH MS SEALANT

STO 6mm uPVC FINISHING EDGE IN BASECOAT RENDER. MS SEALANT CONTINUOUS ACROSS HEAD & DOWN JAMBS WITH TIMBER TRIM

APPLY STOFLEXYL MESHED WATERPROOFING TO EXTERNAL REBATES OUT OVER STOTHERM PANEL TO EXTERNAL CORNER

STOTHERM MASONRY INSULATION RENDER SYSTEM

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STOTHTERM MASONRY INSULATION SYSTEM
ALU.JOINERY-DOOR HEAD & THRESHOLD DETAIL

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SELECTED CONC.BLOCK
PREPARE REBATES AND BRUSH APPLY STOFLEXYL TO INTERNAL REBATE STOFLEXYL WATERPROOFING TOMESHE ED EXTERNAL REBATE OUT OVER PANEL TO EXTERNAL CORNER
STO PREMESHED DRIP EDGE STO 6mm uPVC FINISHING EDGE IN BASECOAT RENDER. MS SEALANT CONTINUOUS ACROSS HEAD & DOWN JAMBS WITH TIMBER TRIM
FIX TIMBER BEAD AROUND JOINERY HEAD AND JAMB WITH MS SEALANT
AIR SEAL OVER BACKING ROD
TIMBER DOOR JOINERY PROFILES AS PER NZS 3610
* REBATE TO SUIT SILL PROFILE
LINE OF CONCRETE BLOCK & FOUNDATION - SHOWN DASHED
APPLY TWO COATS OF STO FLEXYL WATERPROOFING TO ALL REBATES OVER BASECOAT 50mm MIN.DOWN WALL

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APPLY STOFLEXYL MESHED WATERPROOFING TO EXTERNAL REBATES OUT OVER STOTHERM PANEL TO EXTERNAL CORNER

STO PREMESHED Drip Edge

MS SEALANT CONTINUOUS ACROSS HEAD & DOWN JAMB

STOTHERM MASONRY INSULATION RENDER SYSTEM

20mm STOTHERM+ APPLIED TO FACE OF BLOCK REBATE WITH STO FLEXYL ADHESIVE

20mm STOTHERM+ APPLIED TO FACE OF BLOCK REBATE WITH STO FLEXYL ADHESIVE

NOTE: FIBRE CEMENT FACINGS AVAILABLE FROM JAMES HARDIE

STOTHERM MASONRY INSULATION SYSTEM

SCALE 1:5

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Note: Fibre cement facings available from James Hardie.
APPLY STOFLEXYL MESHED WATERPROOFING TO EXTERNAL REBATES OUT OVER STOTHERM PANEL TO EXTERNAL CORNER

STO PREMESHD Dripp Edge

MS Sealant Continuous Across Head & Down Jamb

NOTE: FIBRE CEMENT FACINGS AVAILABLE FROM JAMES HARDIE

SCALE 1:5

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SELECTED CONC. BLOCK

2/84 x 16 FIBRE CEMENT TRIM LAMINATED TOGETHER AND ADHERED TO CONCRETE BLOCK REBATE USING GLUECOAT APPLIED WITH 10MM NOTCH TROWEL AND THEN MECHANICALLY FIXED

STO ADHESIVE RENDER

STOTHERM MASONRY INSULATION RENDER SYSTEM

PROPRIETARY ALU WINDOW JOINERY

MS SEALANT CONTINUOUS ACROSS HEAD & DOWN JAMBS

40mm STOTHERM+ APPLIED TO FACE OF BLOCK REBATE WITH STO FLEXYL ADHESIVE

APPLY STOFLEXYL MESSED WATERPROOFING TO EXTERNAL REBATES OUT OVER STOTHERM PANEL TO EXTERNAL CORNER

NOTE: FIBRE CEMENT FACINGS AVAILABLE FROM JAMES HARDIE
PROVIDE SEPARATION (ROOF UNDERLAY) UNDER METAL CAPPING OVER 15mm H3 PLY/DPC

PRE FINISHED METAL CAPPING TO PARAPET WITH 5° MIN. FALL SIDE FIX ONLY

REFER TABLE 7 - E2/AS1

STOTHERM COUNTERSUNK ANCHORS AS PER FIXING LAYOUT.

SELECTED CONC. BLOCK SERIES

STO ADHESIVE RENDER

STOTHERM MASONRY INSULATION RENDER SYSTEM

STOTHERM INSULATION PANEL

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STOTHERM CAP FIXED WITH STO ADHESIVE MORTAR
STOFLEXYL MESHED WATERPROOFING OVER BASECOAT TO PARAPET/BALUSTRADE TOP & 100mm MIN.PAST STOTHERM PANEL JOINT
SELECTED CONC.BLOCK
STO ADHESIVE RENDER
STOTHERM COUNTERSUNK ANCHORS AS PER FIXING LAYOUT
STOTHERM MASONRY INSULATION RENDER PLASTER SYSTEM
SELECTED STOTHERM PANEL

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PROVIDE SEPARATION (ROOF UNDERLAY) UNDER METAL CAPPING OVER 15mm H3 PLY
PRE FINISHED METAL CAPPING TO PARAPET WITH 5° MIN. FALL
REFER TABLE 7 - E2/AS1

ROOF MEMBRANE TO LAP OVER PARAPET

SELECTED CONC.BLOCK
STOTHERM COUNTERSUNK ANCHORS AS PER FIXING LAYOUT

ROOF SCREED TO A MIN FALL OF 1.5°

STO ADHESIVE RENDER
STOTHERM MASONRY INSULATION RENDER SYSTEM
SELECTED STOTHERM PANEL
CONCRETE ROOF SLAB

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CONCRETE ROOF SLAB
SELECTED CONC. BLOCK
SCALE 1:5
STO ADHESIVE RENDER
STOTHERM MASONRY INSULATION RENDER SYSTEM
SELECTED STOTHERM PANEL

25mm MIN PIR INSULATION BEHIND MEMBRANE
MECHANICALLY FIXED AND SEALANT

SELECTED MEMBRANE ON PIR INSULATION TO MIN 1:5° FALL

25mm MIN PIR INSULATION BEHIND MEMBRANE
METAL FLASHING MECHANICALLY FIXED WITH MASONRY FIXINGS
AT STOTHERM TO MEMBRANE JUNCTION

STOTHERM CAP FIXED WITH STO ADHESIVE MORTAR
STOFLEXYL MESHED WATERPROOFING TO PARAPET/BALUSTRADE TOP & 50mm MIN.PAST STOTHERM PANEL JOINT

STOTHERM COUNTERSUNK ANCHORS AS PER FIXING LAYOUT
SELECTED CONC. BLOCK
STO ADHESIVE RENDER
CONCRETE ROOF SLAB
STOTHERM MASONRY INSULATION RENDER SYSTEM
SELECTED STOTHERM PANEL

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NOTE: EAVE FLASHING **REQUIRED** WHERE
- ROOF SLOPE IS 10° or LESS
- SOFFIT WIDTH IS 100mm or LESS
- WIND ZONES ARE VERY HIGH or EXTRA HIGH

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- WIND ZONES ARE VERY HIGH or EXTRA HIGH

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NOTE:
- MAX. ANGLE OF SOFFIT RESTRICTED TO BETWEEN 91° - 115°
- SOFFITS ARE FIXED AFTER RENDERING

SELECTED FIBRE CEMENT SOFFIT LINING
E2/AS1 COMPLIANT FLASHING
6mm MAX. GAP WITH MS SEALANT or STO JOINT SEAL TAPE
20 SERIES CONCRETE MASONRY WALL
STOTHERM MASONRY INSULATION RENDER SYSTEM

STOTHERM MASONRY INSULATION SYSTEM
RAKING SOFFIT (REVERSED)

SCALE 1:10

STO
NOTE: EAVE FLASHING REQUIRED WHERE
- ROOF SLOPE IS 10° or LESS
- SOFFIT WIDTH IS 100mm or LESS
- WIND ZONES ARE VERY HIGH or EXTRA HIGH

STOTHERM MASONRY INSULATION SYSTEM
FACE FIXED FASCIA

STO ADHESIVE RENDER
SELECTED STOTHERM PANEL
STOTHERM MASONRY INSULATION RENDER SYSTEM

ROOF STRUCTURE - REFER NZS 3604

MS SEALANT AND PEF ROD
SELECTED CONC.BLOCK

REFER MANUFACTURER

SELECTED ROOFING OVER ROOF UNDERLAY

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STOTHERM MASONRY INSULATION SYSTEM
PARALLEL APRON FLASHING AT PARAPET

STO uPVC END CAP TO STOTHERM PANEL

2 PART METAL FLASHING MECHANICALLY FIXED TO WALL THROUGH BOTH FLASHINGS

25mm MIN. PIR INSULATION
Refer E2/AS1 table 7

TIMBER ROOF STRUCTURE AS PER NZS 3004

SELECTED CONCRETE BLOCK

STO ADHESIVE RENDER

SELECTED STOTHERM PANEL

STOTHERM MASONRY INSULATION RENDER SYSTEM

STOTHERM CAP FIXED WITH STO ADHESIVE MORTAR
STOFLEXYL MESSED WATERPROOFING OVER BASECOAT TO PARAPET/BALUSTRADE TOP & 100mm MIN.PAST STOTHERM PANEL JOINT

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SELECTED ROOFING OVER ROOF UNDERLAY

PURLIN - REFER NZS 3604

VARIES REFER MANUFACTURER

M12 BOLT FIXING AS PER NZS 3604

H3.1 FASCIA BOARD

SOFFIT FRAMING

NOTE: EAVE FLASHING REQUIRED WHERE
- ROOF SLOPE IS 10° OR LESS
- SOFFIT WIDTH IS 100mm OR LESS
- WIND ZONES ARE VERY HIGH or EXTRA HIGH

SOFFIT LINING
MS SEALANT 6-8mm (before plastering)

STOTHERM COUNTERSUNK ANCHORS AS PER FIXING LAYOUT

STO ADHESIVE RENDER

STOTHERM MASONRY INSULATION SYSTEM
SELECTED CONC.BLOCK WALL

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NOTE: EAVE FLASHING REQUIRED WHERE
- ROOF SLOPE IS 10° OR LESS
- SOFFIT WIDTH IS 100mm OR LESS
- WIND ZONES ARE VERY HIGH or EXTRA HIGH

STOTHERM MASONRY INSULATION SYSTEM
EAVES WITH NO OVERHANG

STOTHERM MASONRY

STOTHERM COUNTERSUNK ANCHORS AS PER FIXING LAYOUT
STO ADHESIVE RENDER
STOTHERM MASONRY INSULATION RENDER SYSTEM
SELECTED CONC.BLOCK

PURLIN - REFER NZS 3604
CEILING BATTEN
M12 BOLT FIXING

COMPLIANT EAVE FLASHING/E2/AS1

H3.1 FASCIA BOARD

STO uPVC SOFFIT EDGE
50mm MIN. COVER TO CLADDING & WITH STO JOINT SEAL or MS SEALANT OVER PEF ROD

STOTHERM

SELECTED CONC.BLOCK

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NOTE: INSTALL DIVERTER FLASHING AT ROOF/GUTTER JUNCTION

STOTHERM MASONRY INSULATION RENDER SYSTEM
SELECTED CONC.BLOCK
BRUSH STOFLEXYL OVER BLOCKS 50mm MIN.

2 PART METAL FLASHING
MECHANICALLY FIXED THROUGH BOTH FLASHINGS OVER 25mm PIR INSULATION

STO ADHESIVE RENDER

TIMBER ROOF STRUCTURE AS PER NZS 3604

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SELECTED MEMBRANE FINISH OVER H3°C FACED PLYWOOD LAID TO A 1:30MIN.FALL GLUE & SCREW TO TIMBER FRAMING, ALL EDGES SUPPORTED

MIN. 5mm RADIUS TO PLYWOOD
50mm MIN.LAP - REFER E2/AS1

STO uPVC END CAP

H3.1 FASCIA BOARD.

MS SEALANT AND PEF ROD or STO JOINT SEAL TAPE

STO ADHESIVE RENDER

STOTHERM MASONRY INSULATION RENDER SYSTEM

SELECTED CONC.BLOCK

STOTHERM MASONRY INSULATION SYSTEM
FACE FIXED FASCIA/MEMBRANE ROOF

SCALE 1:5

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SELECTED HORIZONTAL WEATHERBOARDS OVER 20mm DRAINED CAVITY

SELECTED CONC.BLOCK

STOTHERM MASONRY INSULATION SYSTEM

SELECTED STOTHERM INSULATION PANEL

STO ADHESIVE RENDER

STOTHERM INTERIOR RENDER SYSTEM

10mm OFFSET TO AVOID CONTROL JOINT

STOTHERM MASONRY INSULATION RENDER SYSTEM

STO uPVC STICK ON CONNECTOR

WALL UNDERLAY

SELECTED HORIZONTAL WEATHERBOARDS OVER 20mm DRAINED CAVITY

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SELECTED FLOORING

JOISTS - REFER NZS3604 FOR SIZE

WALL PLATE ON DPC

BEVEL-BACK WEATHERBOARDS TO NZS 3617 OVER 20mm DRAINED CAVITY

FLASHING TAPE OVER CAVITY CLOSURE

STOTHERM uPVC END CAP

E2/AS1 COMPLIANT FLASHING

STO ADHESIVE RENDER

SELECTED STOTHERM PANEL

STOTHERM MASONRY INSULATION RENDER SYSTEM

IN EXTRA HIGH WIND ZONES INCREASE FLASHING COVER TO 60mm AND INSTALL A RIGID AIR BARRIER

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