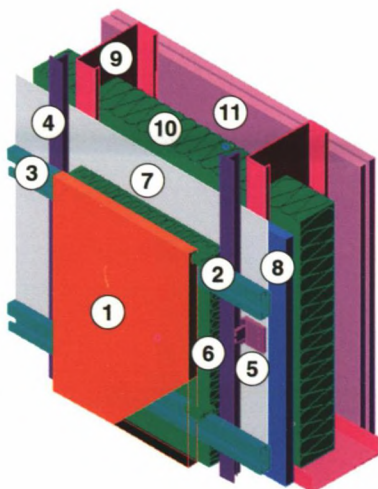


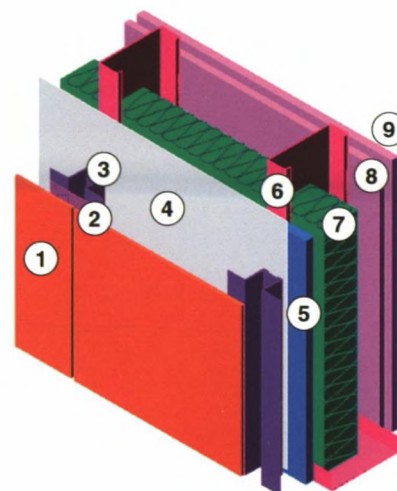
# AYRSHIRE STEEL FRAMING: WALL FRAMING SOLUTIONS

- 1 Rainscreen panel
- 2 Panel clip
- 3 Horizontal carrier to hold clips
- 4 Vertical aluminium angle or 'T' rail
- 5 Aluminium bracket to align and level
- 6 Rainscreen insulation
- 7 Waterproof breather membrane
- 8 Sheathing board, e.g. cement particleboard. Board must be able to take screws at a minimum of 15mm from edge.
- 9 Ayrshire Steel Framing wall studs designed to suit the height, and carry vertical loads and horizontal wind loads.
- 10 Mineral fibre insulation to suit fire, thermal and acoustic performance requirements
- 11 Vapour resistant plasterboard under fire resistant plasterboard



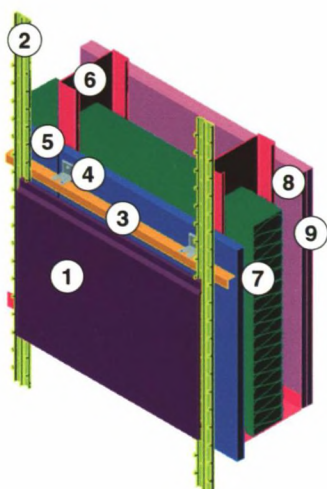
**Externally Clad with Rainscreen  
'Secret Fix' Panels: RC02**

- 1 Rainscreen panel
- 2 Waterproof washer sheet
- 3 Vertical top hat carrier rail, fixed through sheathing to stud
- 4 Waterproof, vapour permeable, membrane
- 5 Cement particle board over thermal sheathing board
- 6 Galvanised Ayrshire Steel Framing stud
- 7 Mineral fibre insulation to suit fire, thermal and acoustic performance requirements
- 8 Plasterboard including vapour barrier
- 9 Plasterboard to fire and acoustic requirements



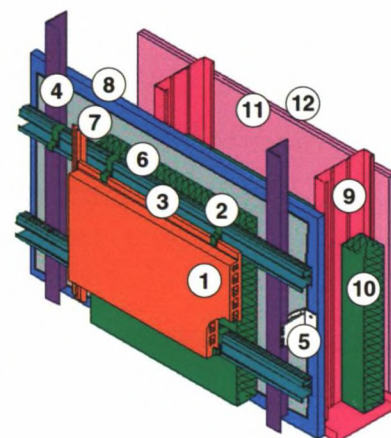
**Externally Clad with Rainscreen  
'Through Fix' Panels: RC01**

- 1 Terracotta tile
- 2 Vertical tile rail at tile edge
- 3 Horizontal Aluminium angles
- 4 Aluminium angle brackets
- 5 Hard insulation board under Cement particle board, with waterproof, vapour permeable membrane over
- 6 Galvanised Ayrshire Steel Framing stud
- 7 Mineral fibre insulation to suit fire, thermal and acoustic performance requirements
- 8 Plasterboard including vapour barrier
- 9 Plasterboard to fire and acoustic requirements



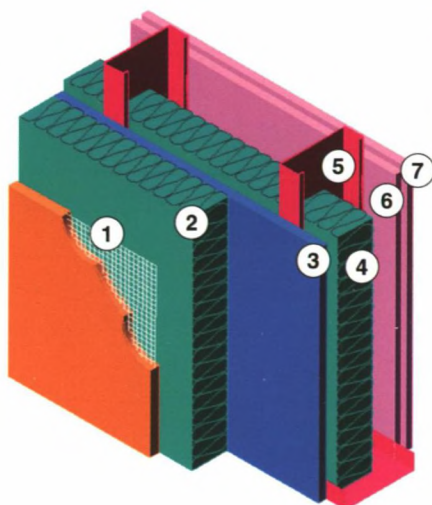
**Externally Clad with Terracotta  
Tiles on Vertical Rails: TV01**

- 1 Terracotta tile
- 2 System tile clip
- 3 Horizontal tile rail at tile centres
- 4 Vertical Aluminium angles
- 5 Aluminium angle brackets
- 6 Rainscreen insulation
- 7 Waterproof, vapour permeable, membrane
- 8 Cement particle board for acoustic performance
- 9 Galvanised Ayrshire Steel Framing stud
- 10 Mineral fibre insulation to suit fire, thermal and acoustic requirements
- 11 Plasterboard including vapour barrier
- 12 Plasterboard to fire and acoustic requirements



**Externally Clad with Terracotta  
Tiles on Horizontal Rails: TH01**

- 1 Render system and support mesh
- 2 Insulation board
- 3 Sheathing Board
- 4 Mineral fibre insulation to suit fire, thermal and acoustic performance requirements
- 5 Galvanised Ayrshire Steel Framing stud.
- 6 Plasterboard including vapour barrier
- 7 Plasterboard to fire and acoustic requirements



**Externally Clad with Insulated Render: ER01**

- Build in all Weathers
- Fast Track
- Avoid Wet Trades
- Low Weight & High Strength
- Exceptional Thermal, Sound & Fire Performance
- No Shrinking, Warping or Splitting
- Simple Connections, Easily Cut
- Design to suit Application
- Integral Wind Posts
- Cost Effective
- BS EN ISO 9001: 2000 Quality Assured Supply



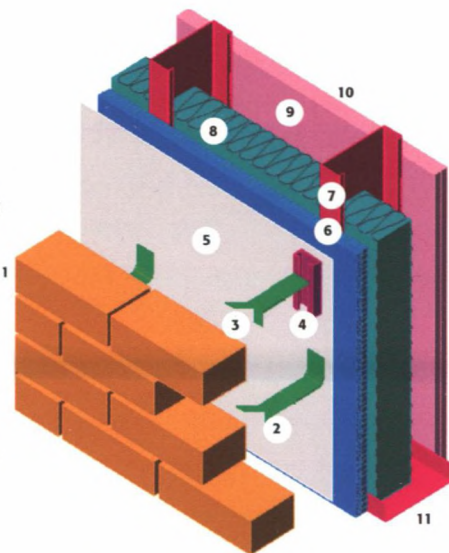
**Ayrshire Steel Framing**  
Part of the Ayrshire Metal Products Group  
Royal Oak Way, Daventry, Northamptonshire NN11 5NR  
Phone: +44 (0) 1327 300 990 Fax: +44 (0) 1327 300 885  
email: ayrframing@ayrshire.co.uk  
www.ayrshire.co.uk

**Copies on Request**

Technical Data Sheets - Literature - Software



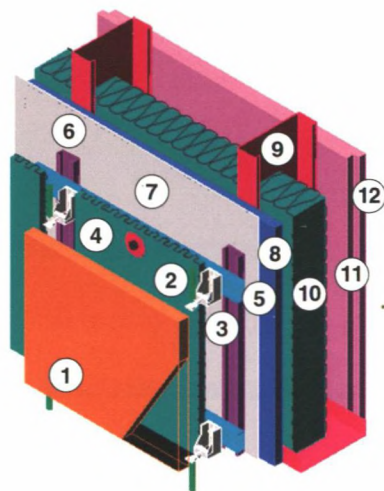
- 1 Brickwork
- 2 Stainless steel brick ties (frame cramps), or:  
3 Twist in ties, with:-
- 4 Stainless steel brick tie track fixed with self-drill self-tapping screws, through the board to the studs.
- 5 Waterproof, vapour permeable, membrane.
- 6 Thermal sheathing board.
- 7 Galvanised Ayrshire Steel Framing CS stud.
- 8 Mineral fibre insulation to suit fire, thermal and acoustic requirements.
- 9 Plasterboard including vapour barrier.
- 10 Plasterboard to fire and acoustic requirements
- 11 CR Base Track



NB: the weight of the bricks must be carried by the foundations, (wall ~ 12m high max.) or on ledger angles on the main structural frame, and not on the ASF studs. The SCI recommend an inner leaf stiffness of L/500 when supporting brickwork. Because of the composite effect of the two leaves, most structural engineers accept that L/360 is sufficiently stiff for the steel framing. There is a substantial cost saving with the latter choice. All quotations should be based on the figure deemed by the projects' engineer to be most appropriate.

## Externally Clad with Brick Veneer: BC01

- 1 Masonry panel
- 2 Dowel pin
- 3 Panel support bracket
- 4 Rainscreen insulation
- 5 Horizontal stainless C channel
- 6 Vertical stainless C channel
- 7 Waterproof, vapour permeable membrane
- 8 Cement particle board for acoustic performance
- 9 Galvanised Ayrshire Steel Framing stud
- 10 Mineral fibre insulation to suit fire, thermal and acoustic requirements
- 11 Plasterboard including vapour barrier
- 12 Plasterboard to fire and acoustic requirements



## Externally Clad with Masonry Panels: SC01

