

**Project No.** 150457

**Client:** Council of the Isles of Scilly

**Tender Issue** 10/11/2017

**STRIDE TREGLOWN**  
ARCHITECTURE

## **Carn Gwavel School**

**10 November 2017**

**This document includes:**

Code	Section	Revision	Dated
F30	Accessories/ sundry items for brick/ block/ stone walling		

## **F30 Accessories/ sundry items for brick/ block/ stone walling**

To be read with Preliminaries/ General conditions.

### **CAVITIES**

- 120 CLEANLINESS
  - Cavity base and faces, ties, insulation and exposed dpcs: Free from mortar and debris.
- 180 CAVITY CLOSERS NEW WINDOW OPENINGS IN NEW OR EXISTING BLOCKWORK WALLS
  - Manufacturer: Kingspan or equal quality. Spec based on Kingspan - contractor to check width of cavity .
    - Product reference: Thermabate .
  - Accessories: To include integral insulation .

### **REINFORCING/ FIXING ACCESSORIES**

- 210 CAVITY WALL TIES TO PERIMETER BRICK PLINTH
  - Standard: To BS 1243 unless stated otherwise by the Structural Engineer..
    - Type: 2 (Masonry general purpose) and 5 (Timber Frame) .
  - Material/ finish: Stainless steel .
  - Sizes: Refer to Structural Engineers design and specification for location, type, spacing and fixing. .
- 220 WALL TIES To Infill Walls
  - Manufacturer: To BS 1243 unless stated otherwise by the Structural Engineer .
    - Product reference: TO .
  - Material/ finish: Stainless steel .
  - Sizes: Refer to Structural Engineers design and specification for location, type, spacing and fixing .
- 241 WALL STARTERS/ CONNECTORS
  - Manufacturer: refer SE .
    - Product reference: refer SE .
  - Material/ finish: refer SE .
  - Sizes: refer SE .

### **FLEXIBLE DAMP PROOF COURSES/ CAVITY TRAYS**

- 370 PREFORMED CAVITY TRAYS
  - Manufacturer: Cavity Trays Ltd or equal quality. Spec based on Cavity Trays Ltd., Web: [www.cavitytrays.com](http://www.cavitytrays.com) - Email: [enquiries@cavitytrays.co.uk](mailto:enquiries@cavitytrays.co.uk) - Tel: +44 (0)1935 474769 .
    - Product references and locations: TYPE C .
  - Placement: To provide a free draining and watertight installation.

**385A PREFORMED DPC/ CAVITY TRAY JUNCTION CLOAKS/ STOP ENDS**

- Manufacturer: Cavity Trays Ltd.
  - Web: [www.cavitytrays.com](http://www.cavitytrays.com).
  - Email: [enquiries@cavitytrays.co.uk](mailto:enquiries@cavitytrays.co.uk).
  - Tel: +44 (0)1935 474769.
  - Address: Administration Centre, Lufton Trading Estate, Yeovil, Somerset. BA22 8HU.
  - Product reference: Type C Cavitytray
- Location: TO NEW CONCRETE LINTELS .
- Lintel type/ profile: CONCRETE - REFER TO SE DETAILS FOR SIZES.
- Cavity width: ASSUMED 50MM.
- Opening width: AS DRAWINGS.
- Lintel length: REFER TO SE SCHEDULE.
- Dpc thickness: 1.5 mm.
- Inner skin return: Not required.

**INSTALLATION OF DPCS/ CAVITY TRAYS**

**415 HORIZONTAL DPCS**

- Placement: In continuous lengths on full even bed of fresh mortar, with 100 mm laps at joints and full laps at angles.
- Width: At least full width of leaf unless otherwise specified. Edges of dpc not covered with mortar or projecting into cavity.
- Overlying construction: Immediately cover with full even bed of mortar to receive next masonry course.
- Overall finished joint thickness: As close to normal as practicable.

**425 GROUND LEVEL DPCS**

- Joint with damp proof membrane: Continuous and effectively sealed.

**446 DOOR THRESHOLD DPCS**

- Form and placement: In one piece and turned up at back when threshold is in contact with inner leaf or slab edge. Ensure continuity of DPC / DPM around door openings generally.

**465 SEALING DPCS TO PLINTH**

- Overlaps and junctions: Seal with DPC manufacturers double sided adhesive tape .

**475 SITE FORMED CAVITY TRAYS**

- Requirements to prevent downward ingress of water:
  - Profiles: To match those shown on drawings. Firmly secured.
  - Joint treatment: Use unjointed wherever possible, otherwise lap at least 100 mm and seal to produce a free draining and watertight installation.
  - Horizontal cavity trays: Support using cavity closer.
  - Sloping cavity trays: Prevent sagging.
  - Cleanliness: Free from debris and mortar droppings.

**485 CAVITY TRAYS OVER OPENINGS AND OTHER CAVITY BRIDGINGS**

- Length: To extend not less than 150 mm beyond ends of lintels/ bridgings.

**495 GAS RESISTANT DPCS/ CAVITY TRAYS**

- Joint treatment: Use unjointed wherever possible, otherwise lap at least 150 mm and seal to form a gas and watertight installation.
- Joint with damp proof membrane: Overlap dpc/ cavity tray not less than 150 mm.

**515 DPC/ CAVITY TRAY LEADING EDGE IN FACEWORK - FLUSH**

- Treatment at face of masonry: Finish flush and clear of mortar at the following locations: At ground level .

**525 DPC/ CAVITY TRAY LEADING EDGE IN FACEWORK - SET BACK**

- Treatment at face of masonry: Set back 5 mm from face of wall with recessed mortar joint to expose edge at the following locations: To visible areas on the plinth. .

**560 VERTICAL DPCS GENERALLY**

- Form: In one piece wherever possible.
  - Joints: Upper part overlapping lower not less than 100 mm.

**560A VERTICAL DPCS To Existing Wall (Refer to Callout 6 on Drawing 41001)**

- Form: In one piece wherever possible.
  - Joints: Upper part overlapping lower not less than 100 mm.

**570 JAMB DPCS AT OPENINGS**

- Joint with cavity tray/ lintel at head: Full underlap.
- Joint with sill/ horizontal dpc at base: Full overlap.
- Projection into cavity: Not less than 25 mm.
- Relationship with frame: In full contact.

**JOINTS**

**PROPRIETARY SILLS/ LINTELS/ COPINGS/ DRESSINGS**

**736 PRECAST CONCRETE THRESHOLDS TO EXTERNAL DOORWAYS.**

- Standard: To BS EN 845-2.
- Manufacturer: CONTRACTORS CHOICE.
  - Product reference: Precast Once Weathered Threshold, Colour; Mid / Dark Grey .
- Types: Once Weathered, Min. 50mm thk .
- Sizes: 125mm wide, Length - Refer External Door schedule .
- Additional requirements: Smooth Finish, Freeze/ thaw: Resistant .
- Placement: Bed on mortar used for adjacent work and DPC.
  - Bearing length (minimum): 150 mm .

**745 PRESTRESSED CONCRETE LINTELS**

- Standard: To BS EN 845-2.
- Manufacturer: TO SE SPEC .
  - Product reference: TO SE SPEC .
- Types: Single .
- Sizes: As schedule .
- Additional requirements: As schedule .
- Placement: Bed on mortar used for adjacent work. Prop at not more than 1.2 m centres to prevent displacement during construction. Retain props in position for not less than 14 days or until mortar has matured, whichever is longer.
  - Bearing length (minimum): 150 mm .

**780A COPING SYSTEM**

- Manufacturer: Dales Fabrications Ltd, Crompton Road Industrial Estate, Ilkeston, Derbyshire. DE7 4BG. Tel: 0115 930 1521, Fax: 0115 903 7625. Email: techinfo@dales-eaves.co.uk Website: www.dales-eaves.co.uk. The supplier shall design and manufacture the system in accordance with BS EN ISO 9001 and hold Professional Indemnity Insurance to cover their design activities. The Design of the system, including components, support structure, fixings and sealant, shall accommodate typical loadings/stresses in accordance with relevant British Standards.
- Product Reference: Dales Weatherstruck Meridian Coping System.
- Material: Aluminium Sheet to BS EN 485/515/573: Grade 1050 AH14, supplied by BS EN ISO 9002 registered stockist to ensure traceability.
- Size/Gauge:

Up to 300mm wide	16 gauge (1.5mm)
300 to 410mm wide	14 gauge (2mm)
Over 410mm wide	12 gauge (2.5mm)
- Finish: Polyester Powder coated to BS 6496, coated only by Syntha Pulvin approved and BS EN IOS 9002 registered applicators.
- Colour: Colour from Dales' standard range (available from [www.dales-eaves.co.uk/finishes](http://www.dales-eaves.co.uk/finishes))
- Fixings: Fixings recommended for the purpose and supplied by Dales Fabrications Ltd. All exposed visible fixings to be supplied pre-coated in colour-matched paint.
- Accessories: Corners/Transitions/Junction/Stopends/Special items to be designed and factory manufactured specifically for the application.
- Method of Jointing/Fixing: Joints assembled centrally over brackets and snapped into place and in accordance with project specific drawings and installation instructions provided by Dales Fabrications Ltd.

**850 WALL PLATES**

- Placement: On full bed of mortar to correct horizontal level.