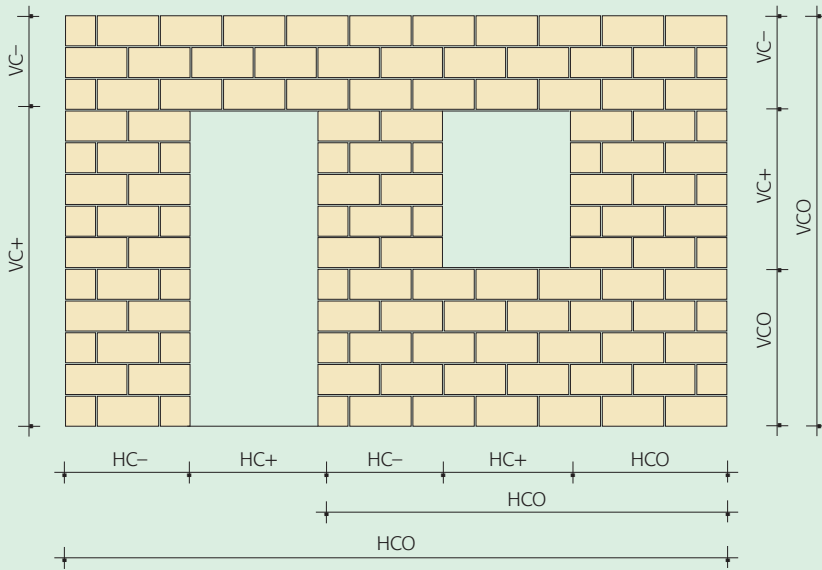


DESIGN DETAILS



METRIC CO-ORDINATING DIMENSIONS

Actual Size 440mm x 215mm
Co-ordinating (Working) Size 450mm x 225mm
(including 10mm mortar joint)

| n | HCO | n | VCO |
|--------------|-------|----|------|
| NO OF BLOCKS | | | |
| 1/2 | 225 | 1 | 225 |
| 1 | 450 | 2 | 450 |
| 1 1/2 | 675 | 3 | 675 |
| 2 | 900 | 4 | 900 |
| 2 1/2 | 1125 | 5 | 1125 |
| 3 | 1350 | 6 | 1350 |
| 3 1/2 | 1575 | 7 | 1575 |
| 4 | 1800 | 8 | 1800 |
| 4 1/2 | 2025 | 9 | 2025 |
| 5 | 2250 | 10 | 2250 |
| 5 1/2 | 2475 | 11 | 2475 |
| 6 | 2700 | 12 | 2700 |
| 6 1/2 | 2925 | 13 | 2925 |
| 7 | 3150 | 14 | 3150 |
| 7 1/2 | 3375 | 15 | 3375 |
| 8 | 3600 | 16 | 3600 |
| 8 1/2 | 3825 | 17 | 3825 |
| 9 | 4050 | 18 | 4050 |
| 9 1/2 | 4275 | 19 | 4275 |
| 10 | 4500 | 20 | 4500 |
| 20 | 9000 | 12 | 2700 |
| 30 | 13500 | 13 | 2925 |
| 40 | 18000 | 14 | 3150 |
| 50 | 22500 | 15 | 3375 |
| 60 | 27000 | 16 | 3600 |
| 70 | 31500 | 17 | 3825 |
| 80 | 36000 | 18 | 4050 |
| 90 | 40500 | 19 | 4275 |
| 100 | 45000 | 20 | 4500 |

MODULAR CO-ORDINATING DIMENSIONS

Actual Size 390mm x 190mm
Coordinating (Working) Size 400mm x 200mm
(including 10mm mortar joint)

| n | HCO | n | VCO |
|--------------|-------|----|------|
| NO OF BLOCKS | | | |
| 1/2 | 200 | 1 | 200 |
| 1 | 400 | 2 | 400 |
| 1 1/2 | 600 | 3 | 600 |
| 2 | 800 | 4 | 800 |
| 2 1/2 | 1000 | 5 | 1000 |
| 3 | 1200 | 6 | 1200 |
| 3 1/2 | 1400 | 7 | 1400 |
| 4 | 1600 | 8 | 1600 |
| 4 1/2 | 1800 | 9 | 1800 |
| 5 | 2000 | 10 | 2000 |
| 5 1/2 | 2200 | 11 | 2200 |
| 6 | 2400 | 12 | 2400 |
| 6 1/2 | 2600 | 13 | 2600 |
| 7 | 2800 | 14 | 2800 |
| 7 1/2 | 3000 | 15 | 3000 |
| 8 | 3200 | 16 | 3200 |
| 8 1/2 | 3400 | 17 | 3400 |
| 9 | 3600 | 18 | 3600 |
| 9 1/2 | 3800 | 19 | 3800 |
| 10 | 4000 | 20 | 4000 |
| 20 | 8000 | 12 | 2400 |
| 30 | 12000 | 13 | 2600 |
| 40 | 16000 | 14 | 2800 |
| 50 | 20000 | 15 | 3000 |
| 60 | 24000 | 16 | 3200 |
| 70 | 28000 | 17 | 3400 |
| 80 | 32000 | 18 | 3600 |
| 90 | 36000 | 19 | 3800 |
| 100 | 40000 | 20 | 4000 |

HCO Horizontal Coordinating Dimension

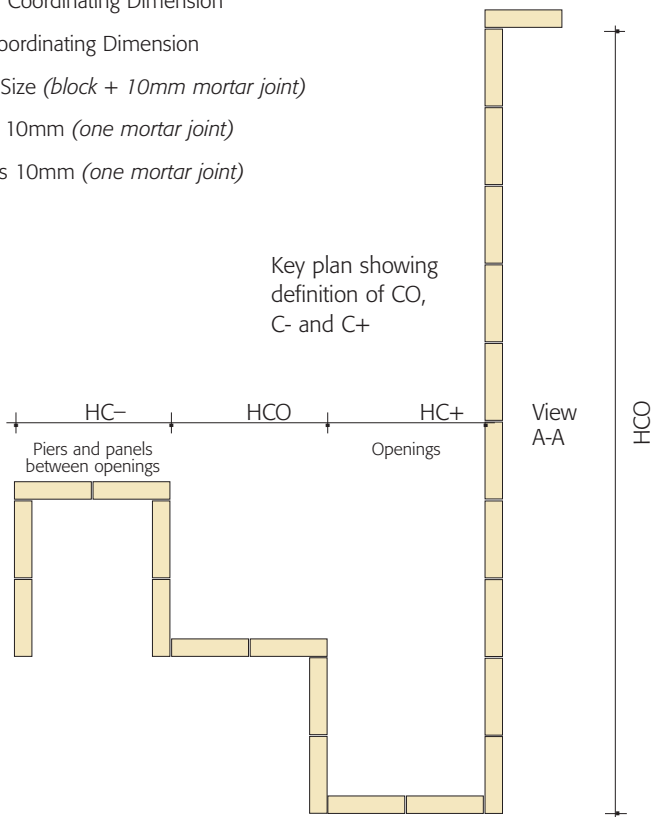
VCO Vertical Coordinating Dimension

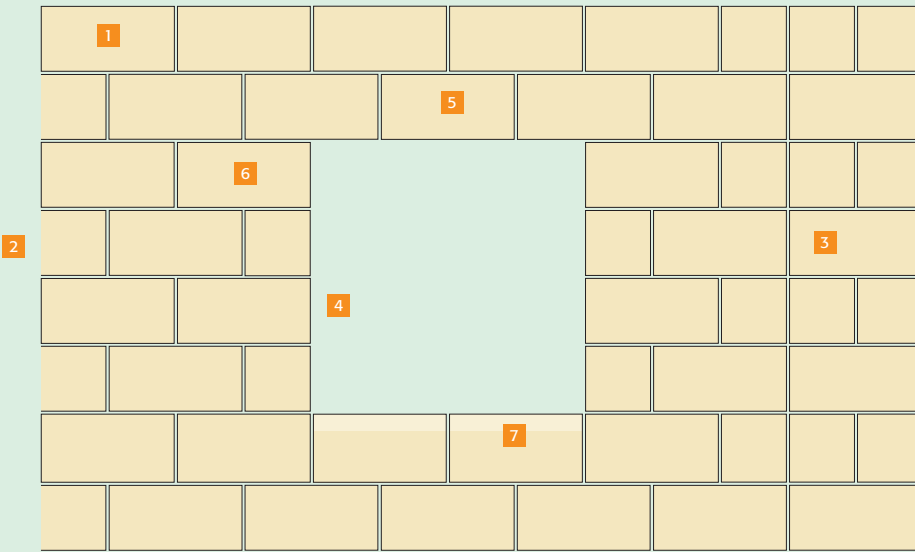
CO = n x Work Size (block + 10mm mortar joint)

C+ = nCO plus 10mm (one mortar joint)

C- = nCO minus 10mm (one mortar joint)

Key plan showing definition of CO, C- and C+

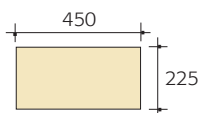




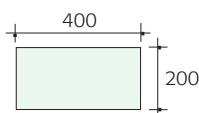
DETAILING PAYS DIVIDENDS

Pointers towards crisp detailing

- 1 Choose appropriate bonding pattern. (Stretcher bond in example).
- 2 Use quoin blocks at corners and returns.
- 3 Integrate movement joints with perpends.
- 4 Position and size openings to suit block-working modules.
- 5 Construct lintels from reinforced lintel blocks.
- 6 Ensure lintel bearings are whole blocks.
- 7 Make features from standard specials.



Note:
Working Module
450mm long
x 225mm deep
ie. 440mm x 215mm
block with 10mm
mortar joints.



Note:
Working Module
for metric modular
400mm long
x 200mm deep
ie. 390mm x 190mm
block with 10mm
mortar joints.

Differing effects can be achieved with Architectural Masonry by use of alternative bonding patterns. Running bond or half-block lap is the most common used because of pleasing appearance, good strength properties and ease of laying. Variations can be achieved by varying perpendicular alignment to create zipper, chevron or diagonal effects. Careful detailing of construction will be needed. English and Flemish bonds can be achieved by the special Architectural Masonry $\frac{1}{2}$ blocks, which are available across the entire range.

Where structural requirements are secondary, horizontal and vertical stack bonds can be used to create a strong 'vertical' appearance. A coursed ashlar or bonding effect which is useful as a method to break large areas of blockwork can be used by incorporating Architectural Masonry half-height blocks a contrasting colour.

Detailing: Neat and unbroken patterns can be best achieved by using the wide range of reveal and quoin specials available in the range. Lintels can be readily constructed from special factory-cut blocks. Movement joints can be integrated into openings/perpends. Windows and other openings can be positioned to suit block working modules.

The extensive specials range as detailed on pages 16 to 21 allow specifiers to create simple but effective features to add to the overall effect.