<table>
<thead>
<tr>
<th>CONTENTS</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>QL-TD-01 Quinn Lite Foundation Blocks (solid floor)</td>
<td>1</td>
</tr>
<tr>
<td>QL-TD-02 Quinn Lite Foundation Blocks (suspended floor)</td>
<td>2</td>
</tr>
<tr>
<td>QL-TD-03 Quinn Lite Foundation Blocks (stone cladding built off)</td>
<td>3</td>
</tr>
<tr>
<td>QL-TD-04 Cavity Wall Cill Detail</td>
<td>4</td>
</tr>
<tr>
<td>QL-TD-05 Cavity Wall Window Reveal Detail</td>
<td>5</td>
</tr>
<tr>
<td>QL-TD-06 Cavity Wall Lintel Detail (steel)</td>
<td>6</td>
</tr>
<tr>
<td>QL-TD-07 Cavity Wall Lintel Detail (concrete)</td>
<td>7</td>
</tr>
<tr>
<td>QL-TD-08 Hollowcore Slabs</td>
<td>8</td>
</tr>
<tr>
<td>QL-TD-09 Joist Hangers</td>
<td>9</td>
</tr>
<tr>
<td>QL-TD-10 Cavity Wall Eaves Detail</td>
<td>10</td>
</tr>
<tr>
<td>QL-TD-11 Flat Roof Abutment</td>
<td>11</td>
</tr>
<tr>
<td>QL-TD-12 Mono-Pitch Roof Abutment</td>
<td>12</td>
</tr>
<tr>
<td>QL-TD-13 Solid Wall Cill Detail</td>
<td>13</td>
</tr>
<tr>
<td>QL-TD-14 Solid Wall Window Reveal Detail</td>
<td>14</td>
</tr>
<tr>
<td>QL-TD-15 Solid Wall Lintel Detail (concrete)</td>
<td>15</td>
</tr>
<tr>
<td>QL-TD-16 Solid Wall Lintel Detail (Steel)</td>
<td>16</td>
</tr>
<tr>
<td>QL-TD-17 Solid Wall Eaves Detail</td>
<td>17</td>
</tr>
<tr>
<td>QL-TD-18 Movement Joints at Intersecting Walls (butt-jointed)</td>
<td>18</td>
</tr>
<tr>
<td>QL-TD-19 Movement Joints at Intersecting Walls (built-in)</td>
<td>19</td>
</tr>
<tr>
<td>QL-TD-20 Bed Joint Reinforcement</td>
<td>20</td>
</tr>
<tr>
<td>QL-TD-21 Movement Joint in Wall Panels</td>
<td>21</td>
</tr>
<tr>
<td>QL-TD-22 Party Wall Construction</td>
<td>22</td>
</tr>
<tr>
<td>QL-TD-23 Party Wall Construction with Flexible Cavity Closer</td>
<td>23</td>
</tr>
<tr>
<td>QL-TD-24 Quinn Lite Coursing Units</td>
<td>24</td>
</tr>
<tr>
<td>QL-TD-25 Concrete Padstones</td>
<td>25</td>
</tr>
<tr>
<td>QL-TD-26 Dry Plastering System</td>
<td>26</td>
</tr>
<tr>
<td>QL-TD-27-01 Cavity Wall Achieving U-Value 0.20W/m2K</td>
<td>27</td>
</tr>
<tr>
<td>QL-TD-27-02 Cavity Wall Achieving U-Value 0.20W/m2K</td>
<td>28</td>
</tr>
<tr>
<td>QL-TD-27-03 Cavity Wall Achieving U-Value 0.20W/m2K</td>
<td>29</td>
</tr>
<tr>
<td>QL-TD-27-04 Cavity Wall Achieving U-Value 0.24W/m2K</td>
<td>30</td>
</tr>
<tr>
<td>QL-TD-27-05 Cavity Wall Achieving U-Value 0.18W/m2K</td>
<td>31</td>
</tr>
<tr>
<td>QL-TD-27-06 Solid Wall Achieving U-Value 0.24W/m2K</td>
<td>32</td>
</tr>
<tr>
<td>QL-TD-27-07 Solid Wall Achieving U-Value 0.20W/m2K</td>
<td>33</td>
</tr>
</tbody>
</table>
KEY
1. 300mm wide Quinn Lite foundation block B5 or B7 (B3 subject to site investigation)
2. Hardcore
3. Sand blinding
4. Radon barrier
5. Quinn Therm floor insulation
6. Concrete Slab
7. 100mm Quinn Lite B5 block work
8. Approved external render
9. Damp proof course
10. Flexible wall tie, butterfly or double triangle - BS1234 (1978) or EN 845-1

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Technical Enquiries: technical@quinn-group.com
KEY
1. 300mm wide Quinn Lite foundation block B5 or B7 (B3 subject to site investigation)
2. Hardcore
3. Sand blinding
4. Radon barrier
5. Quinn Prestressed Floor Slab
6. Quinn Therm floor insulation
7. Damp Proof Membrane
8. Screed
9. Approved external render
10. Damp proof course
11. Flexible wall tie, butterfly or double triangle - BS1234 1978 or EN 845-1
12. 100mm B5 blockwork
KEY
1. 440mm wide Quinn Lite foundation block B5 or B7 (B3 subject to site investigation)
2. Hardcore
3. Sand blinding
4. Radon barrier
5. Quinn Therm floor insulation
6. Concrete Slab
7. Stone Cladding
8. Damp proof course
9. Flexible wall tie, butterfly or double triangle - BS1234 1978 or EN 845-1
KEY
1. DPC
2. 280mm x 140mm back concrete cill
3. 20mm approved external render
4. 100mm Quinn Lite B5 blockwork
5. 40mm residual cavity
6. Flexible wall tie, butterfly or double triangle - BS1234 1978 or EN 845-1
7. 60mm Quinn Therm QW insulation
8. 25mm Quinn Therm QW insulation
9. Timber cill board
10. Quinn Lite block cut to size
11. 100mm Quinn Lite B5 blockwork
12. 12.5mm plasterboard on dabs or battens
KEY
1. 100mm Dense concrete blockwork
2. Flexible wall tie, butterfly or double triangle - BS1234 1978 or EN 845-1
3. 20mm external render
4. DPC
5. Window Frame
6. 12.5mm plasterboard on dabs or battens
7. 25mm Quinn Therm QW insulation
8. 60mm Quinn Therm QW insulation
9. 100mm Quinn Lite BS blockwork

THERMAL BRIDGING NOTE
Quinn Lite Thermal blocks reduces thermal bridging at window reveals thus omitting the need for proprietary cavity closers.
KEY
1. 103mm brickwork
2. 60mm Quinn Therm QW insulation
3. 100mm Quinn Lite B5 blockwork
4. Dampproof course dressed down over steel lintel
5. Proprietary steel lintel
6. Plaster to Quinn lite specification
7. Window frame
KEY
1. 100mm Quinn Lite B5 blockwork
2. 60mm Therm QW insulation
3. Expanded metal placed across joint
4. Concrete lintel
5. Quinn Therm insulation
6. 100mm Quinn Lite B5 blockwork
7. Expanded metal cross joint
8. Damp proof course dressed down over steel lintel
9. Concrete lintel
10. Window Frame
1. 150mm deep hollow core concrete floor slab with 150mm bearing
2. Quinn Lite B5 block work
3. Sand/cement screed
4. Quinn Lite Block cut to size

150mm Quinn Lite B5 is recommended to support floor slabs in domestic dwellings. For buildings other than dwellings contact our technical department.
KEY
1. 100mm Quinn Lite Aircrete blockwork
2. Joist Hanger to B.S. 6178 1990
3. Floor Joist
4. Recess to accommodate joist hanger

NOTE
When using Quinn Lite Thin Joint Aircrete blockwork, the joist hanger should be placed on top of the block work surface as indicated below and the next course of blockwork should be recessed to accommodate the hanger.
KEY
1. Mineral Wool Insulation 11. Approved External Render
2. Rafter 12. 100mm Quinn Lite BS block work
3. Eaves ventilation 13. 40mm cavity
4. Battens at max 320mm gauge 14. Timber wallplate
5. 420x334mm Quinn Rooftile 15. Quinn Lite coursing unit
6. Underfelt (carried into gutter) 16. Cavity closer
7. Angle Fillet 17. 60mm Quinn Therm (QW) insulation
8. Gutter 18. 100mm Quinn Lite BS blockwork
9. Fascia board 19. 12.5mm plasterboard on dabs
10. Soffit with ventilation holes

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10
KEY
1. 103mm brickwork
2. Stepped DPC
3. 60mm Quinn Therm (QW) insulation
4. 100mm Quinn Lite (B5) Blockwork
5. Cover Flashing
6. Timber Wall Plate
7. Lead Apron Flashing
8. Timber Batten
9. Quinn Rooftile
10. Underfelt (carried up wall min 100mm)
11. Timber rafter
1. 103mm brickwork
2. Stepped DPC
3. 60mm Quinn Therm (QW) insulation
4. Quinn Lite (BS) Blockwork
5. Flashing dressed down over roof covering.
6. 12.5mm plasterboard on dabs or battens
7. Angle Fillet
8. Timber ferring pieces
9. Proprietary concrete lintels
10. Joist Hanger
11. Flat roof covering
12. Timber Sheeting
13. Timber Rafter

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KEY
1. DPC
2. Concrete Cill
3. 20mm Approved External Render
4. 215mm Quinn Lite B5 blockwork
5. 10mm mortar joint
6. Void formed by timber batten
7. Timber cill board
8. 25mm Quinn Therm insulation
9. 80/12.5 Quinn Laminate QL Board
10. Vapour control layer

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Technical Enquiries: technical@quinn-group.com
KEY
1. 215mm Quinn Lite BS blockwork
2. Approved External Render
3. Mastic seal
4. Mastic seal
5. 25/12.5 Quinn Laminate QL board
6. Timber batten
7. Vapour control layer
8. 80/12.5 Quinn Laminate QL board
KEY
1. 215mm Quinn Lite BS blockwork
2. Quinn Lite coursing unit
3. Approved External Render
4. Concrete lintel
5. Mastic seal
6. Vapour control layer
7. 80/12.5 Quinn Laminate QL board
8. Timber batten
9. 25/12.5 Quinn Laminate QL board
10. Mastic Seal
KEY
1. 215mm Quinn Lite BS blockwork
2. Quinn Lite coursing unit
3. Approved External Render
4. Thermally broken proprietary steel lintel
5. Mastic seal
6. Vapour control layer
7. 80/12.5 Quinn Laminate QL board
8. Timbar batten
9. 25/12.5 Quinn Laminate QL board
10. Mastic seal
KEY
1. Mineral Wool Insulation
2. Rafter
3. Eaves Ventilation
4. Battens at max 320mm gauge
5. 420x334mm Quinn Rooftile
6. Underfelt (carried into gutter)
7. Angle Fillet
8. Gutter
9. Fascia board
10. Soffit with ventilation holes
11. Approved External Render
12. 215mm Quinn Lite B5 Blockwork
13. Timber batten
14. Quinn Lite Coursing Unit
15. Timber Wallplate
16. Vapour control layer
17. 80/12.5 Quinn laminate QL board
KEY
1. 100mm Quinn Lite/Dense concrete blockwork
2. 300mmx25mmx3mm Ancon PPS wall tie with de-bonding sleeve
3. 100mm Quinn Lite/Dense concrete blockwork
4. 60mm Quinn Therm cavity wall insulation
5. Dense concrete blockwork or brickwork
6. Flexible wall tie, butterfly or double triangle - BS1234 1978 or EN 845-1
### STANDARD TECHNICAL DETAILS

<table>
<thead>
<tr>
<th>KEY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. 300mm x 25mm x 3mm Ancon PPS wall tie with de-bonding sleeve ends</td>
</tr>
<tr>
<td>2. 100mm Quinn Lite blockwork</td>
</tr>
<tr>
<td>3. Quinn Therm cavity wall insulation</td>
</tr>
<tr>
<td>4. 100mm Dense concrete blockwork or brickwork</td>
</tr>
<tr>
<td>5. Flexible wall tie, butterfly or double triangle - BS1234 1978 or EN 845-1</td>
</tr>
</tbody>
</table>

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### PROJECT

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<table>
<thead>
<tr>
<th>PROJECT</th>
<th>DRAWING TITLE</th>
<th>DRAWING NO.</th>
<th>REVISION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quinn Lite Movement Joint at built in Flanking Intersecting Wall</td>
<td>QL-TD-019</td>
<td>DATE</td>
<td>SCALE 1.5</td>
</tr>
</tbody>
</table>

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### DRAWING TITLE

Quinn Lite Movement Joint at built in Flanking Intersecting Wall

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### DRAWING NO.

QL-TD-019

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### REVISION

1.5
NOTE
Bed joint reinforcement should be placed in 2 no. courses above and below openings and should extend min 600mm beyond opening.

Bed joint reinforcement to be Austenitic Stainless steel.

NOTE
Expanded metal lathing to be placed across junction between concrete lintel and Quinn Lite blocks prior to plastering. This prevents cracking caused by differential movement.
NOTE

It is not normally necessary to include movement joints in the internal walls and the inner leaf of the external walls of dwellings unless the walls are longer than about three times their height. In the external leaf of dwellings and in the walls of industrial and commercial buildings, movement joints should be inserted in accordance with BS 5628 and IS 325. Generally, a movement joint should be inserted every 5 to 6 metres.
OPTION 1 KEY
1. 50mm proprietary sound reduction board
2. 12.5mm plaster
3. Quinn Lite B5 blockwork

OPTION 2 KEY
1. 13mm Plaster
2. Quinn Lite B5 or B7 blockwork
3. 75mm Cavity
4. Flexible wall tie, butterfly or double triangle - BS1234: 1978 or EN 845-1
5. 100mm Quinn Lite B5 blockwork

NOTE
Please contact the technical department for further details on Party Wall Construction.

AIRBORNE SOUND REDUCTION
AVERAGE PERFORMANCE = 60 dB DnTw

PROJECT
Typical Party Wall Construction

DRAWING TITLE
Typical Party Wall Construction

DRAWING NO. QL-TD-022

REVISION

SCALE 1.5

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KEY
1. Quinn Lite SN blockwork
2. 75mm wide cavity
3. 13mm plaster
4. Flexible cavity closer
5. DPC
6. Flexible wall tie, butterfly of double triangle - BS1234: 1978 or EN 845-1
Note
Quinn Lite coursing units of the same strength as Quinn Lite blocks can be used to reach correct coursing levels around window and door openings, around steel beams or timber joists etc.
NOTE
Where bearing stress under steel beams or lintels is in excess of permissible limits a concrete padstone or concrete spreader should be used. Cold bridging should be avoided by using additional insulation at padstone.

Lintels should always bear onto full blocks and not onto coursing units or off-cuts of blocks. Both steel and concrete lintels are suitable for Aircrret blockwork and should comply with BS 5977 Lintels Part 2 1983. Lintels should have min 100mm bearing where opening is 1.2m or less and min 150mm bearing where opening is greater than 1.2m.
KEY
1. Plasterboard sheets.
2. Suitably approved mechanical fixings at mid height.
3. Continuous drywall adhesive perimeter seal.
4. Drywall adhesive dabs on Quinn Lite blockwork
**KEY**

1. 20mm approved external render
2. 100mm Quinn Lite B5 blockwork
3. 40mm cavity
4. 60mm Quinn Therm QW insulation
5. Flexible wall tie, butterfly or double triangle - BS1234 1978 or EN 845-1
6. 150mm Quinn Lite B5 blockwork
7. 13mm lightweight plaster
8. Thin Joint Mortar

**PROJECT DRAWING TITLE**

Wall Construction using Quinn lite 150mm B5 to give a U-value of 0.20W/m²k

**DRAWING NO.**

QL-TD-027-01

**DATE**

**SCALE** 1.5

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KEY
1. 20mm approved external render
2. 100mm dense concrete blockwork
3. 40mm cavity
4. 60mm Quinn Therm QW insulation
5. Flexible wall tie, butterfly or double triangle - BS1234 1978 or EN 845-1
6. Thin Joint Mortar
7. 215mm Quinn Lite B5 blockwork
8. 13mm lightweight plaster

PROJECT DRAWING TITLE
215 Quinn Lite B5 Inner leaf cavity wall to give a U-value of 0.20W/m²k

DRAWING NO. REVISION
QL-TD-027-02

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KEY
1. Staifix-Thor Helical TJ2 wall tie (Alternatives are available- please contact technical department)
2. 103mm brickwork
3. 40mm cavity
4. 60mm Quinn Therm QW insulation
5. 150mm Quinn Lite B3 blockwork
6. Thin Joint Mortar
7. 13mm Internal Plaster

PROJECT DRAWING TITLE
Wall Construction using Quinn Lite 150mm B3 with thin Joints to give U-Value of 0.20W/m²K

DRAWING NO. QUINN REF
QL-TD-027-03 QL-TD-027-03

DATE SCALE

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KEY
1. 103mm brickwork
2. 40mm cavity
3. 60mm Quinn Therm QW insulation
4. Flexible wall tie, butterfly or double triangle - BS1234 1978 or EN 845-1
5. 10mm mortar joint
6. 100mm Quinn Lite B5 Blockwork
7. 13mm Plaster
KEY
1. 20mm approved external render
2. 100mm Dense concrete blockwork
3. 40mm cavity
4. 60mm Quinn Therm QW insulation
5. 150mm Quinn Lite B5 blockwork
6. Quinn QL 25/12.5 laminate board (insulation / plasterboard)
7. 12.5mm Carlite finish
8. Flexible wall tie, butterfly or double triangle - BS1234 1978 or EN 845-1
1. 20mm external render
2. 300mm Quinn Lite B5 blockwork
3. 50mm Quinn Therm QW insulation
4. 12.5mm plasterboard with 3mm skim finish

300mm B5 Solid Wall Construction to give a U-Value of 0.24 W/m²K
KEY
1. Approved external render
2. 215mm Quinn Lite B5 blockwork
3. Quinn QL 80/12.5 laminate board (insulation / plasterboard)
4. 13mm lightweight plaster (carlite finish)
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