

OFFLOADING AND INSTALLATION

L wall units are delivered laid down on their side and are fitted with 2 no. recessed lifting anchors. To assist the customer's crane driver to off-load, each delivery vehicle carries quick release loops to suit these anchors.

Separate installation shackles are available as an extra for use in conjunction with the customer's plant to upright and erect the units.

Conformity with current lifting legislation and vehicle off-loading is the customer's responsibility.

L WALL INSTALLATION IS QUICK AND EASY



Figure 1: offload the units from the lorry

Figure 2: Upright the units

Figure 3: Position and anchor in place

PRODUCT QUALITY

Milbury Systems Ltd. products are of high quality and manufactured to rigid standards. The Company pursues a policy of continuous improvement in product design. We reserve the right to vary specification or products described within this literature without prior notice.



THE LONG BARN, TICKENHAM, BRISTOL BS21 6RY

TEL: 01275 857799

E Mail: sales@milbury.com Website: www.milbury.com

OTHER PRODUCTS IN THE MILBURY RANGE:

- Pre-stressed concrete panels for bulk storage
- Ventilated flooring
- Bridges
- Concrete and epoxy coated steel tanks
- Aerobic waste treatment
- Syloguard Sealants

QF120/010309

MILBURY PRECAST



Milbury's range of precast L wall units are ideal for:

- Earth retention
- Storage facilities
- Division walls

L wall advantages:

- Double loading
- No heel - sheer reverse face
- Quick and easy installation
- Range of sizes to suit requirements

In addition L wall units can be combined with both Milbury's prestressed concrete panels or Rocket walls® to form storage facilities.



Cert. No. Q13755

TECHNICAL INFORMATION

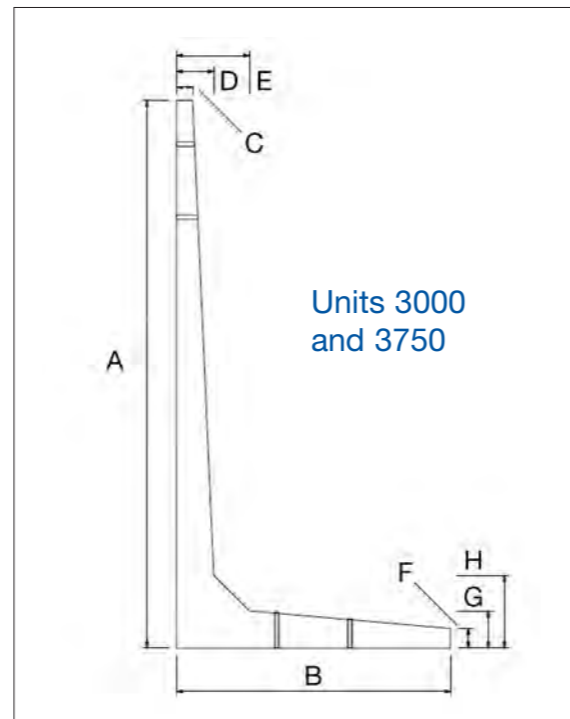
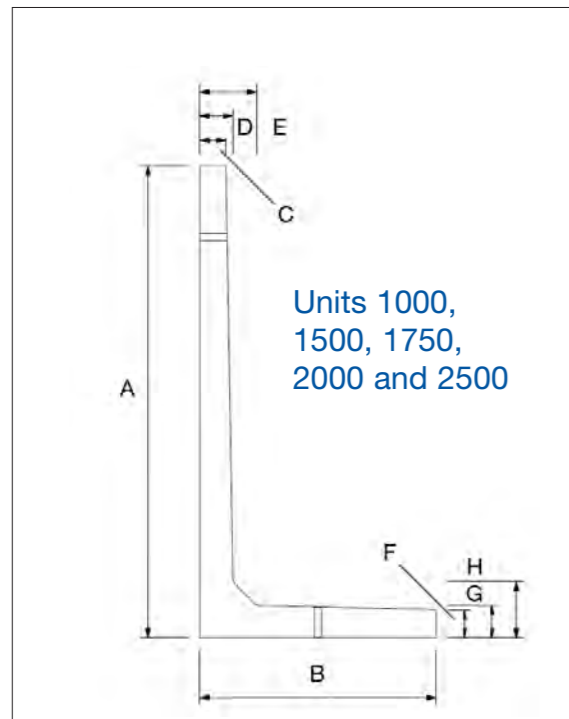
DESIGN CRITERIA

Designed in accordance with Eurocode: Basis of structural design (BS EN 1990:2002) and Eurocode 2: Design of concrete structures (BS EN 1992-1-1:2004) as well as BS 8110-1:1997. Concrete grade C35/45 to BS 8500-1:2006. Nominal cover to reinforcement is 45mm (minimum cover = 40mm + Dcdev = 5mm). Units designed to retain adequately drained material with a bulk density of 18kN/m³ on either or both sides - either level with the top of the wall with a maximum surcharge of 10kN/m² or at a maximum incline of 32.5° to the wall. If required weepholes can be formed during casting. It is usual to allow a 10mm joint as tolerance between units to absorb creep. Non standard angles and reduced width closer units can be supplied, consultation at design stage is recommended. Customised units can be manufactured within the range of standard sizes to suit specific applications.

STANDARD UNIT DIMENSIONS

| A | B | C | D | E | F | G | H | Weight (kg) |
|------|------|-----|-----|-----|-----|-----|-----|-------------|
| 1000 | 500 | 103 | 120 | 240 | 104 | 120 | 240 | 394 |
| 1500 | 750 | 110 | 130 | 230 | 110 | 130 | 230 | 631 |
| 1750 | 875 | 110 | 135 | 235 | 120 | 135 | 235 | 761 |
| 2000 | 1000 | 110 | 140 | 240 | 120 | 140 | 240 | 890 |
| 2500 | 1250 | 110 | 180 | 305 | 125 | 180 | 305 | 1316 |
| 3000 | 1500 | 110 | 200 | 400 | 130 | 200 | 400 | 1740 |
| 3750 | 1875 | 110 | 255 | 500 | 135 | 255 | 500 | 2596 |

All units are 1000 wide



TECHNICAL INFORMATION

FOUNDATIONS

The foundation requirements should be determined by a qualified engineer. Units placed on a concrete foundation should be bedded on mortar and wedged to attain correct alignment. Milbury recommend that L wall units are suitably anchored to the foundation as detailed below.

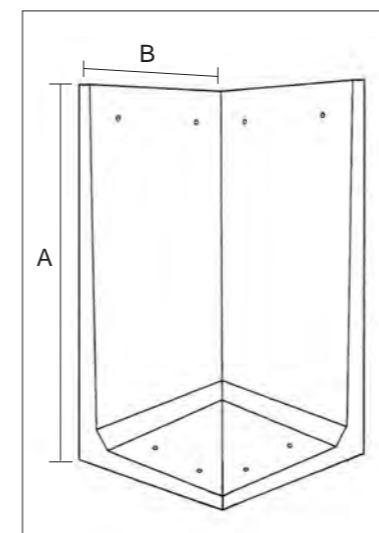
ANCHORING INFORMATION

Anchors comprise of H20 high yield deformed bar and two part polyester resin mortar e.g. Fosroc Lokset S. or equal used in accordance with the manufacturer's instructions. Position the L wall units onto the concrete foundation and align using a mortar bed and shims as required. Using the 30mm diameter holes in the unit base as a guide drill into the foundation to the required depth. Pour sufficient mixed resin into the hole first then insert the H20 bar so that it is just below the surface of the unit and completely encapsulated in resin.

Important points to remember: drill sufficient holes to allow the use of a complete batch of mixed resin; the mortar is placed in the hole first; follow the resin manufacturer's instructions for placing anchor bars into the resin; when correctly fitted the bars should finish below the surface of the wall unit completely encapsulated in resin.

| Unit | Minimum Embedment | | Bar | |
|------|-------------------|-----------|------------|-------------|
| | Foundation (mm) | Unit (mm) | No. & Type | Length (mm) |
| 1000 | 125 | 115 | 2no. H20 x | 275 |
| 1500 | 125 | 124 | 2no. H20 x | 285 |
| 1750 | 125 | 130 | 2no. H20 x | 290 |
| 2000 | 125 | 133 | 2no. H20 x | 295 |
| 2500 | 200 | 151 | 2no. H20 x | 390 |
| 3000 | 200 | 165 | 4no. H20 x | 400/425 |
| 3750 | 200 | 195 | 4no. H20 x | 430/475 |

CORNER UNITS



| A | B | No. of Sections |
|------|------|-----------------|
| 1000 | 1000 | 1 |
| 1500 | 1000 | 1 |
| 1750 | 1000 | 1 |
| 2000 | 1000 | 1 |
| 2500 | 1250 | 1 |
| 3000 | 1500 | 2 |
| 3750 | 2300 | 4 |

