

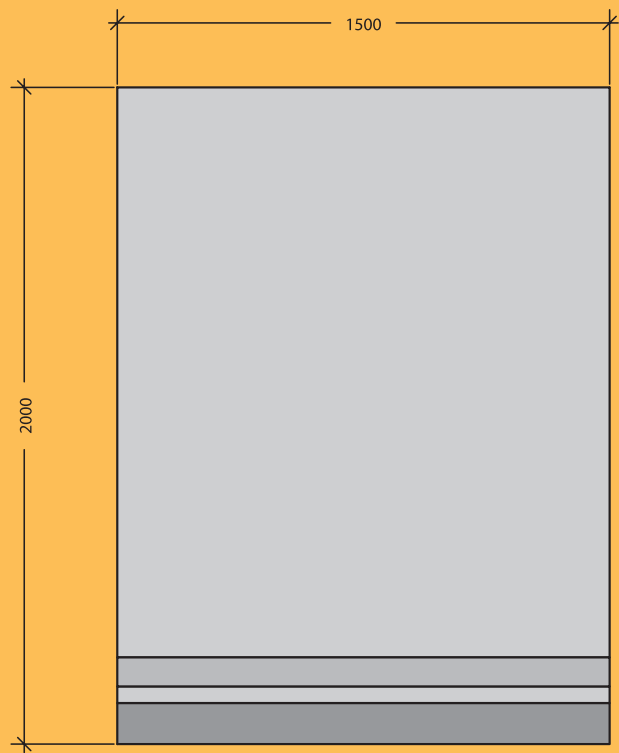
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RETAINING WALLS

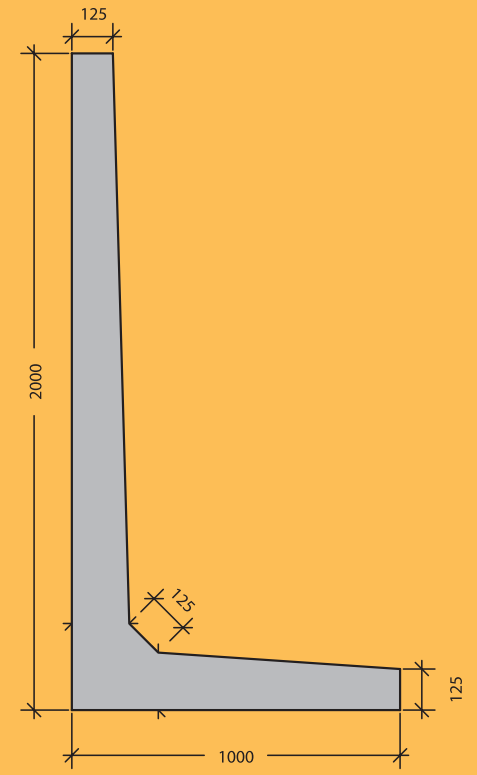


SHAY MURTAGH

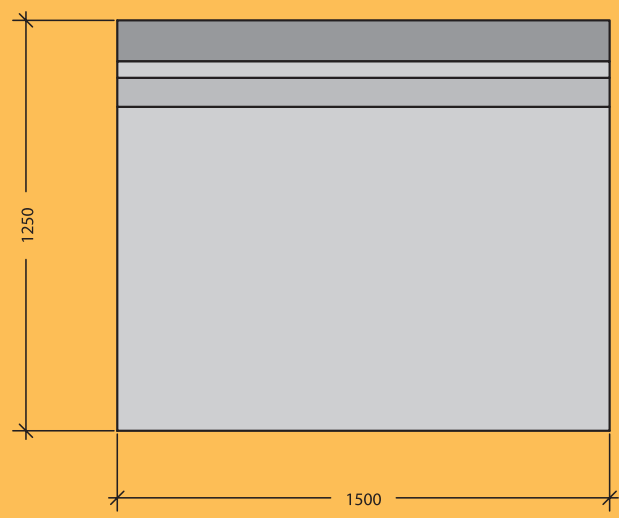
precast concrete products



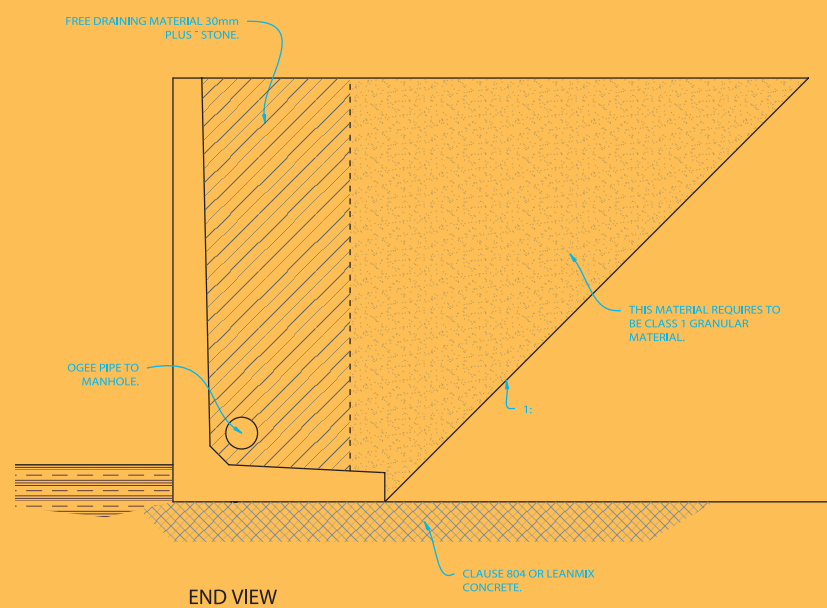
ELEVATION.



END VIEW



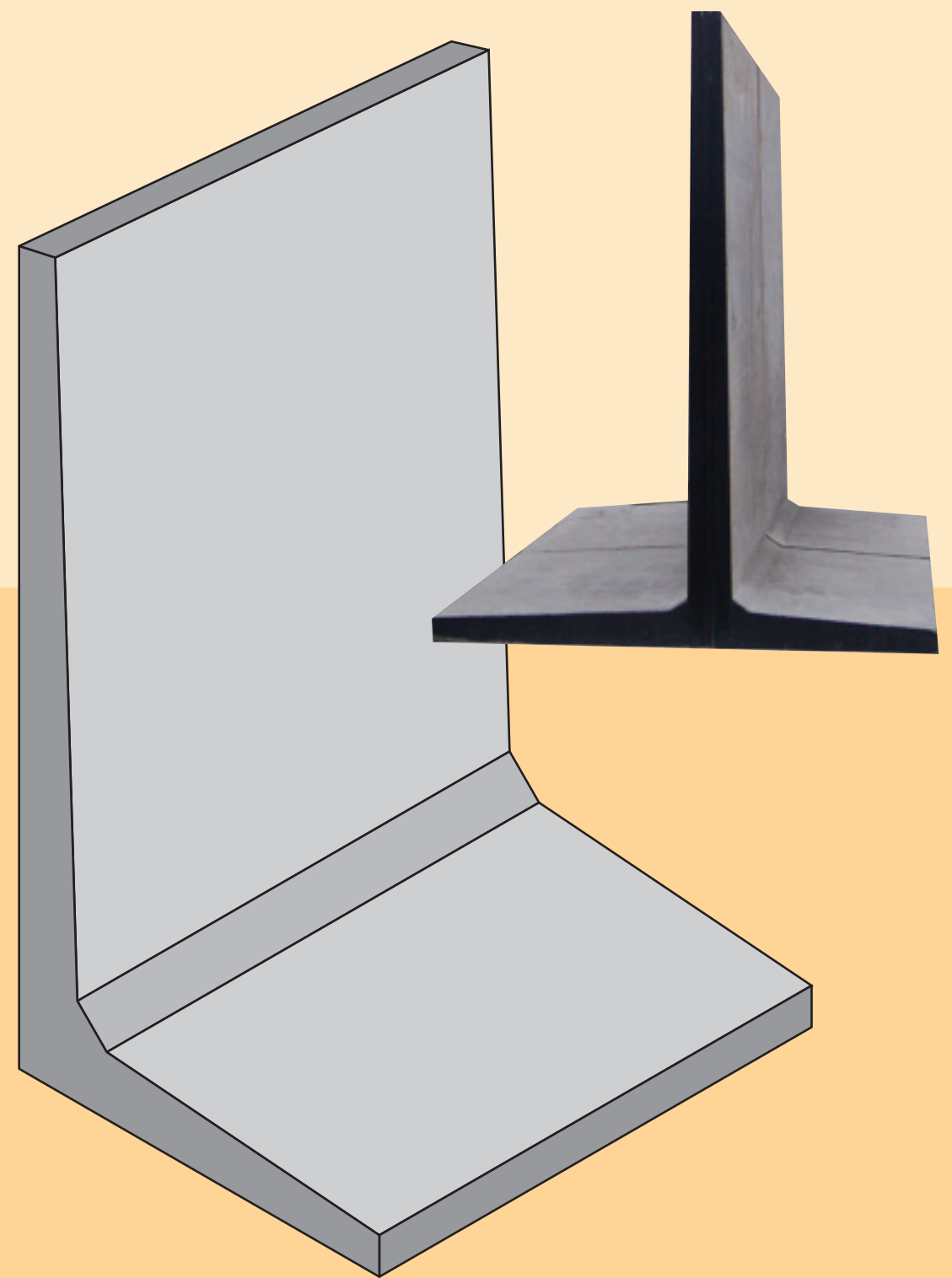
PLAN



END VIEW

**PRECAST CONCRETE
RETAINING WALL UNITS**
www.shaymurtagh.ie

precast concrete retaining wall units



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PRECAST

RETAINING WALL UNITS



RETAINING WALL

In addition to our wide range of existing products we now produce a range of standard retaining wall units. These L Wall Units are precast concrete panels of varying heights positioned to form a load-bearing wall. They can be loaded in both directions and are designed to give a cost effective solution to many types of applications.

General Specifications

DESIGN

The panels are tongued and grooved so that they interlock and provide load transmission across joints in the wall. This allows a group of panels to act as a single unit. They can be used in severe exposure conditions as defined in BS 8110 Pt1 and severe exposure conditions as defined in BS 5400 Pt4. They have a maximum loading from a level fill with a density of 19kNm^3 and 10kNm^3 live load surcharge or sloped up at max. 30° to an equivalent height to the wall.



FABRICATION

The concrete elements are prefabricated in our factory in Raharney, Mullingar, Co. Westmeath. The panels are cast in purpose made steel moulds under our strict quality control regime – ISO 9001 2000 Quality Management System. All structural concrete is designed to BS8110 1997.

MATERIALS:

A concrete design mix using compatible aggregates and cement to provide strength in excess of 50N/mm^2



REINFORCEMENT:

Rebar is cut and bent to appropriate quantity in accordance with BS 4449 1988.

INSTALLATION

These walls are simple to install. One machine can do all the work; excavation, erection, fill and backfill. A qualified engineer should check the foundation and wall stability.

In some situations a Sikaflex sealant is applied to create an effective watertight joint.



SIZES

There is a variable range of sizes.

Panel Thickness: 140 - 200mm

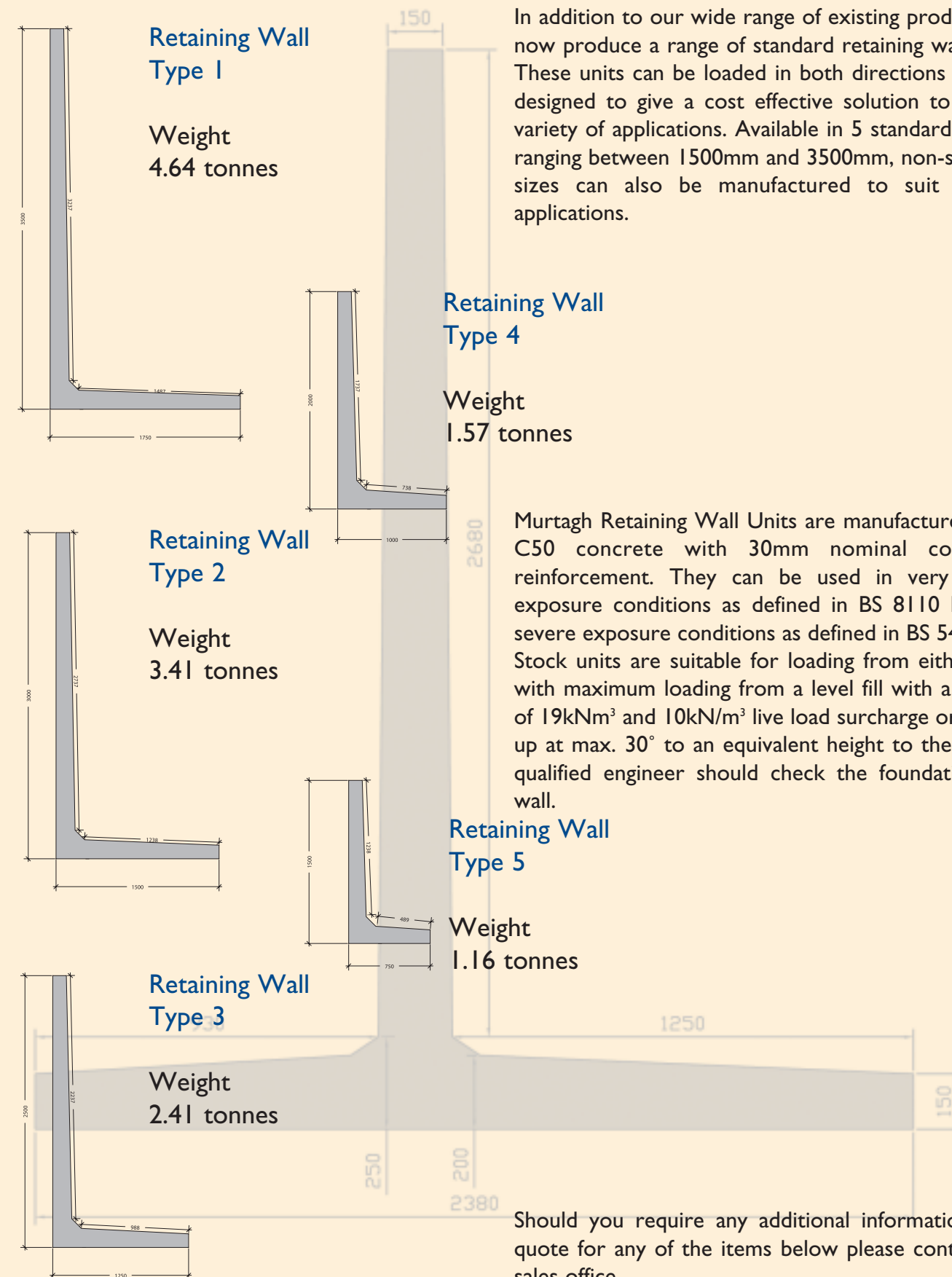
Panel Widths: 1500mm

Panel Heights: 2.00m, 2.50m and 3.00m

*Special requirements can be catered for.

Long Term Stability & Safety:

The quality of prefabricated concrete retaining wall panels can withstand weathering conditions and assures safety of the structure for long term use.



In addition to our wide range of existing products we now produce a range of standard retaining wall units. These units can be loaded in both directions and are designed to give a cost effective solution to a wide variety of applications. Available in 5 standard heights ranging between 1500mm and 3500mm, non-standard sizes can also be manufactured to suit specific applications.

Murtagh Retaining Wall Units are manufactured from C50 concrete with 30mm nominal cover to reinforcement. They can be used in very severe exposure conditions as defined in BS 8110 Pt1 and severe exposure conditions as defined in BS 5400 Pt4. Stock units are suitable for loading from either side, with maximum loading from a level fill with a density of 19kNm^3 and 10kN/m^3 live load surcharge or sloped up at max. 30° to an equivalent height to the wall. A qualified engineer should check the foundation and wall.

Should you require any additional information or a quote for any of the items below please contact our sales office.