



O'REILLY
— concrete —



Pre-Stressed Wall Panels

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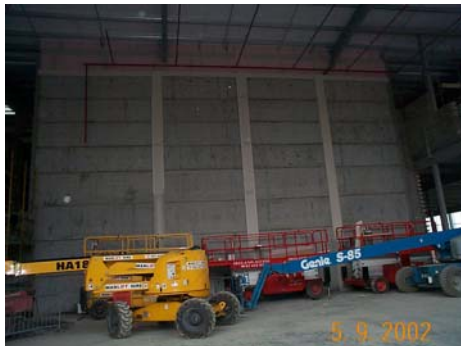
Previous Projects



BlackWater Retail Park,
Navan,
Co. Meath
(2,900m²)



Monread Road Retail Park,
Naas,
Co. Kildare
(3,500m²)



Pepsi Cola International,
Co. Cork
(1,600m²)



Airton Road,
Tallaght,
Dublin
(2,000m²)

Walls available in 3 Heights:

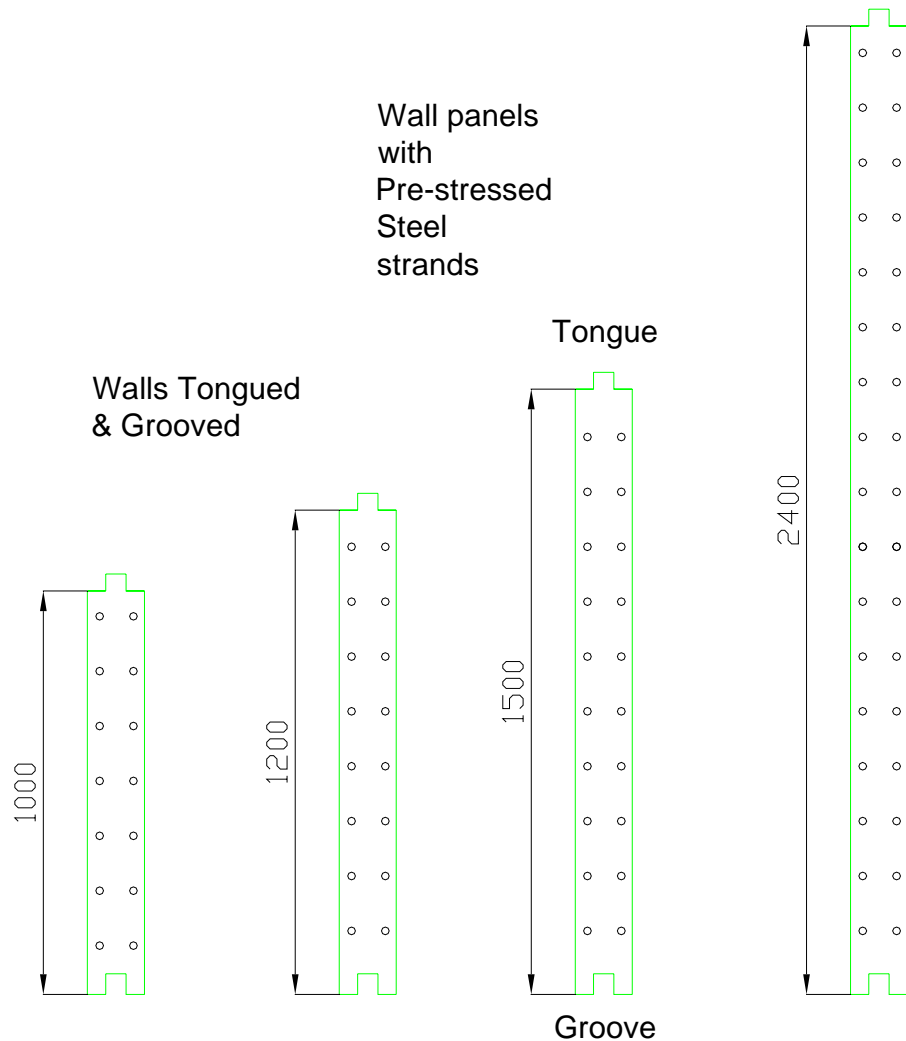
<u>Meters</u>	<u>Feet</u>
1.5 Mts. High	(5 feet)
1.2 Mts. High	(4 feet)
1 Mt. High	(3 feet 3")

Walls available in 3 Thickness:

120mm	<u>Standard Wall</u>
<u>140mm</u>	<u>thickness is 140mm</u>
180mm	

2.4 Meter Walls

2.4 Mts high (8 feet) Walls are also available at 120mm thick.



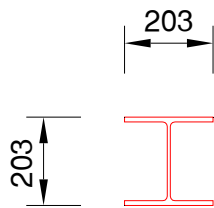
Steel Sizes suitable for 140mm Pre-stressed Walls

Most Steel Sizes are suitable for Pre-stressed Walls.

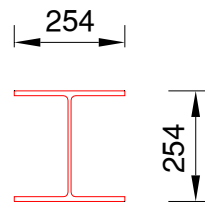
The following sizes are suitable for most applications.

203 x 203 (8" x 8") Steel Columns

254 x 254 (10" x 10") Steel Columns



203x203
Column



254x254
Column

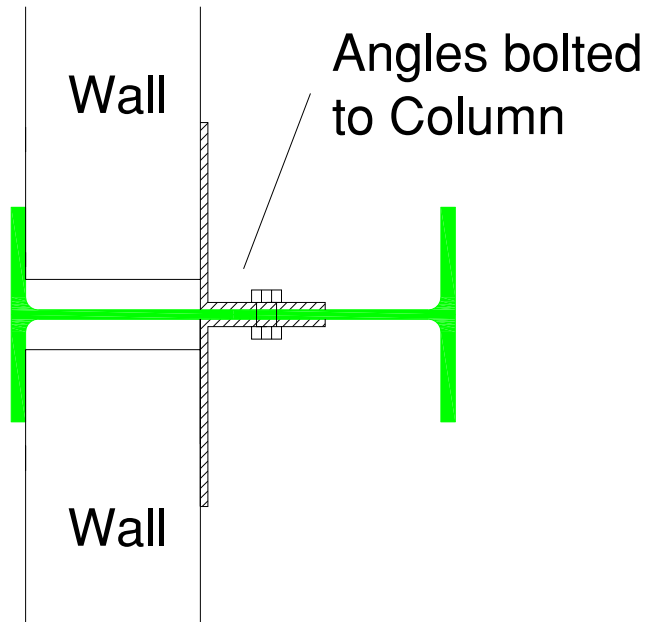
If there is to be pressure against Walls (eg. Retaining Clay, Grain etc.) then ORB design office should be consulted as to Wall lengths and Steel sizes. Extra steel strands may be required in Walls to take the pressure. Walls can be designed to customers exact needs.

Stock Lengths

Lengths of 5.950 Mts long are held in Stock. These are available in the three heights 1Mtr, 1.2Mtr & 1.5Mtr. These are suitable for installation in Steel Columns placed at 6 Meter centres.

Notes on Pre-stressed Walls

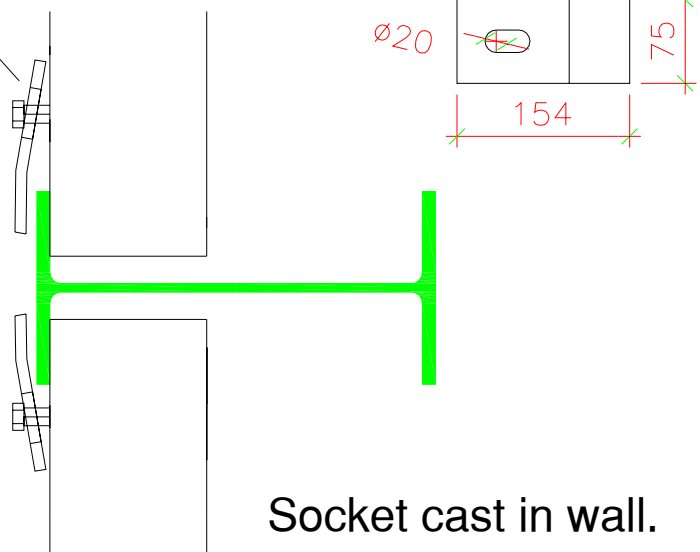
- The Joints between Walls can be sealed with Polyurethane Mastic Sealant to provide a watertight seal.
- Pre-stressed Walls are suitable for wide range of applications including Industrial units, storage units, warehouses, bulk grain stores, earth retaining, compost storage, etc.
- Wall Panels provide higher degree of fire resistance than most other building materials.



ALTERNATIVELY

ORB Galv Plate

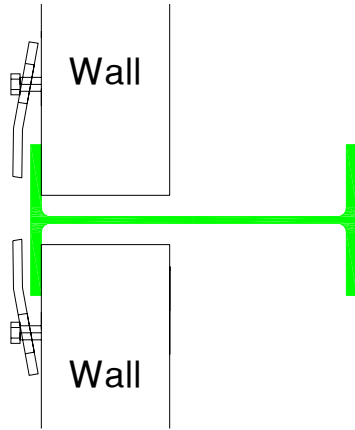
Galv Plate
Supplied by ORB



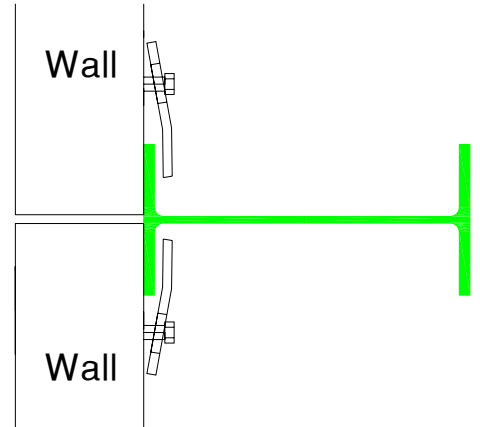
Socket cast in wall.
Galv Plate bolted
to wall as shown.

Wall Fitting Details

O' Reilly Concrete Pre-Stressed Concrete Wall Panels

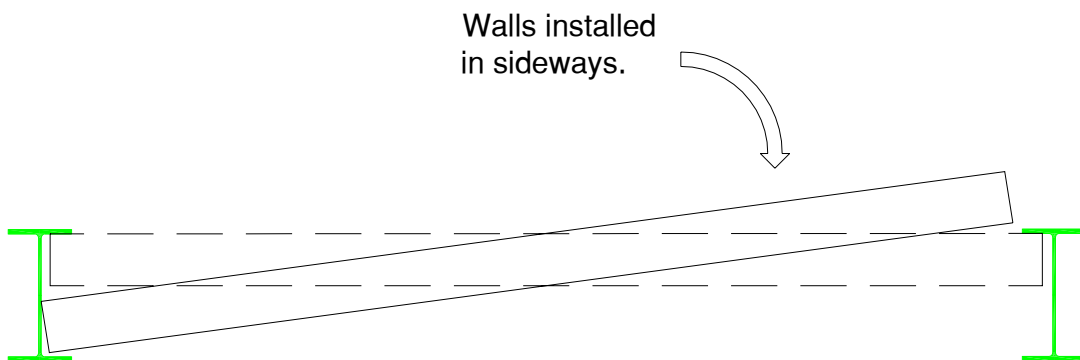


Wall Fitted to
inside of Steel
Column.



Wall Fitted to
Outside of Steel
Column.

Wall fitting Details



Walls installed
in sideways.

Walls can be fitted straight down from Roof Level
or installed in sideways.

Wall Installation Details

Photographs

O' Reilly Concrete Pre-Stressed Concrete Wall Panels



Walls clamped with Galvanised Plates



Tongue & Groove Joint

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Entrance to Yard



Boundary Wall

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Dividing Wall in Warehouse



External wall in Warehouse

Retaining Clay Bank



Retaining Wall in shed

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External Walls in Industrial Unit



Stepped Wall on sloped ground

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2.4 Meter Walls used in Shed



External Walls in Warehouse

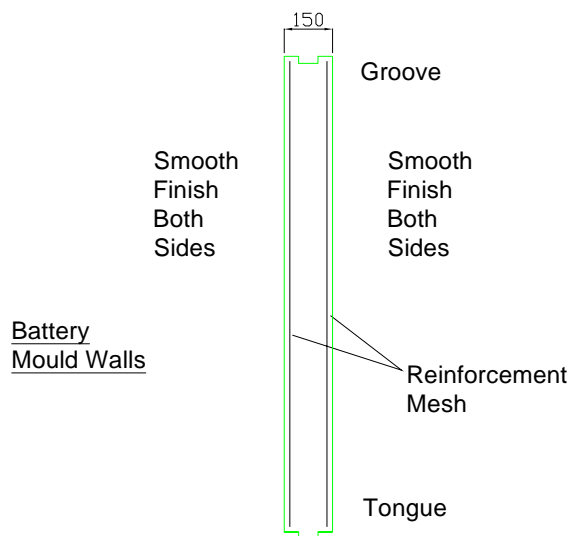
Battery Mould Walls

Battery Mould walls (Pre-Cast Walls)

Smooth Finish Both Sides
Maximum Wall length is 7.1 Mts
Maximum Wall Height is 3.0 Mts
Wall Thickness 150mm
Walls Tongued & Grooved



Partition wall in Warehouse



O' Reilly Concrete Pre-Stressed Concrete Wall Panels



Battery Mould Walls used as Partition Wall



Battery Mould Walls used in warehouse