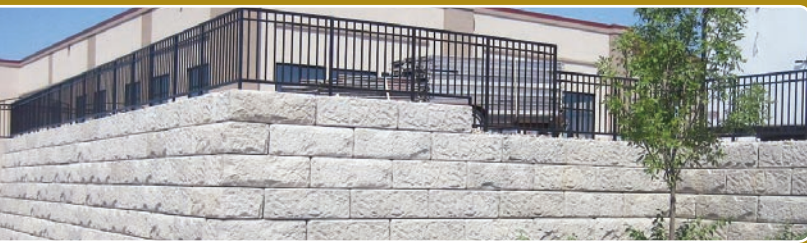


Aesthetics and Performance



The look, size and durability of massive natural stone and the long-term performance of a fully engineered structural wall.

ReCon Retaining Wall Systems

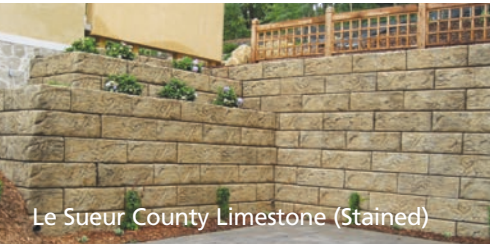
ReCon Retaining Wall Systems, Inc. is an industry leader in supplying aesthetically pleasing and structurally superior retaining wall solutions. ReCon focuses on providing value to its customers, including:

- Engineering and testing for tall gravity walls and taller geogrid walls.
- Solutions that accommodate wall needs rather than dictate them.
- Durability (wet-cast, air-entrained).
- Four texture options.
- Product shape and size choices that work.

Let us bring value to your project.

Features and Benefits:

- **Large Size and Mass**
- **Tall Gravity Walls**
 - Unique tongue-and-groove lock-and-placement design, combined with massive size and weight, permits wall heights up to 17 ft. 4 in. (5.28 m) without reinforcing geogrid. Eliminates the time and cost associated with excavation and soil replacement when reinforcing geogrid is required.
 - Significantly taller ReCon Walls can be built by incorporating geogrid, setback or tiers.
- **Durability**
 - Made of wet-cast, air-entrained concrete with a minimum psi of 4,000 (28 MPa). The durability required in environments prone to the challenges of freeze/thaw cycle, road salts or brackish water.
- **Faster Installation**
 - Walls can be constructed quickly using equipment generally available to contractors (skid steers or backhoes), maximizing productivity and minimizing manual labor. No mortar, no pins.
- **Engineered and Tested**
 - A ReCon Wall can be professionally engineered and designed (using shear and geogrid connection data unique to ReCon) for wall performance that is generally unavailable for natural stone walls.
- **Customized Design and Aesthetics**
 - The natural stone finish has several different textures, which prevents repetition in the overall wall pattern. Stains are readily available and easily applied in the field after installation to achieve a natural look that will last for years.
 - Block comes in multiple depths, to optimize design efficiency by providing the mass when required or eliminating it when not required to save material and freight cost.
 - Tapered block design allows both inside and outside 90-degree corners or curves.
 - Caps or special top units that allow greenscape within four inches of the finished wall's face are available for top-of-wall finishing options.



Block Specifications

- **Block Face:** 5.33 sq. ft. (0.5 m²), or 48 in. x 16 in. (120 cm x 40 cm)
- **Available Depths:** 24", 39", 45" or 60" (60, 100, 115 or 150 cm)
- **Mass:** 1,000 to 3,000 pounds (450 to 1,350 kg) per block.
- **Concrete:** Minimum of 4,000 psi (28 MPa)
- **Lifting Device:** Lifting insert loop
- **Turning Radius:** Approximately 15 feet (4.5 m) (varies with wall height)
- **Retaining Wall Batter:** 3.6 degrees automatically built into the system. Can be adjusted to 7.2 degrees with the use of field-installed spacers.

Texture & Color Options

ReCon block is available in North Shore Granite, Le Sueur County Limestone, Rustic (8-in. [20 cm] coursing) and Old World. Natural stone finishes have several different textures, which prevents repetition in the overall wall pattern. Stains are readily available and easily applied in the field to achieve a natural look that will last for years. Some textures are special order. Check for availability.



North Shore Granite



Le Sueur County Limestone



Rustic



Old World

Full Block



Lifting inset loop

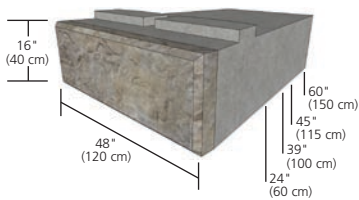
Taper of block and unique curved tongue permit turning radius of about 15 ft. (4.5 m)

Unique tongue-and-groove lock and placement for safe and secure walls

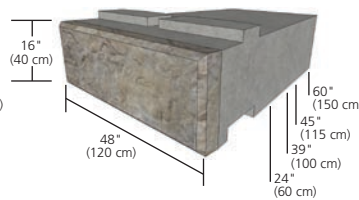
Natural-looking stone face available in multiple textures and stain colors

Block Shapes

FULL BASE BLOCK

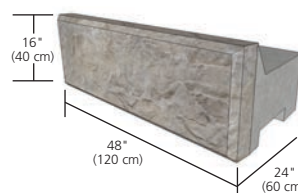


FULL MIDDLE BLOCK

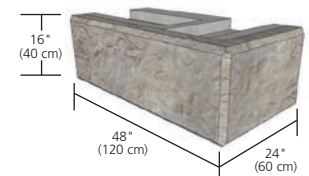


FULL TOP BLOCK

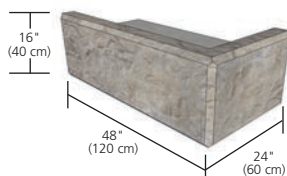
Top of block is recessed (starting behind the 4" (11 cm) texture on top of block at the face). Permits planting of sod to within 4" (11 cm) of front of the retaining wall.



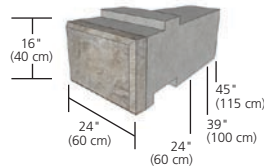
REVERSIBLE CORNER BLOCK
90° corners.



CORNER TOP BLOCK
Top of block is recessed.

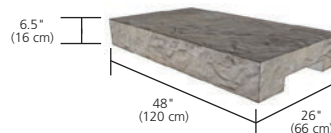


HALF BLOCK



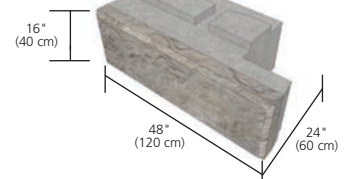
CAPSTONE

Alternate top-of-wall treatment used in lieu of full top block.



FITTING BLOCK

Used when occasional field cut is required.



Engineering and Installation Guidelines

Design and Specification

A ReCon Wall requires a site-specific design and analysis prepared by a registered professional engineer. ReCon has a comprehensive set of tools to aid architects and engineers in the specification and design of a ReCon Wall.



A block being set in place with a backhoe and chain.



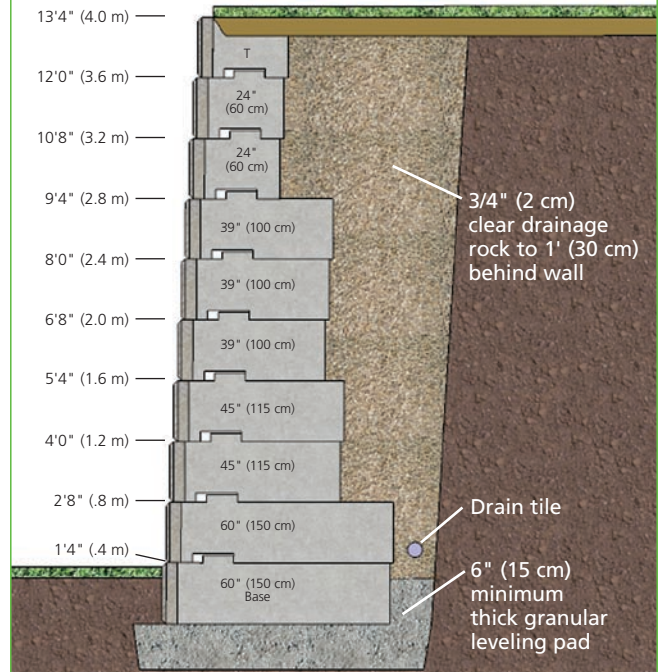
A block being set in place with a skid steer.

Installation Steps

- Excavate and prepare soil foundation.
- Prepare leveling pad: A level and compacted base is essential for proper wall installation.
- Install and level base course: Individual blocks are then set in place using the lifting insert loop. The lifting insert loop is attached to a chain suspended from a backhoe or other lifting equipment.
- Drain tile
- Drainage aggregate
- Install additional courses.
- Place geogrid (if required).
- Install additional courses.
- Backfill and compact.
- Check compaction regularly.

For more product and installation information on the ReCon Wall system, please contact your local ReCon licensed producer or visit us on the web at www.reconwalls.com.

Typical Retaining Wall Section



Maximum height non-reinforced walls in sand (Soil Friction Angle $\phi = 30^\circ$) is: 16'0", 12'0", 9'4" and 5'4" for 60", 45", 39" and 24" (4.8 m, 3.6 m, 2.8 m and 1.6 m for 150 cm, 115 cm, 100 cm and 60 cm) blocks respectively.

The installation steps represent a basic outline for a ReCon Wall installation and are not meant to serve as a complete construction or installation guide. Every ReCon Wall must be designed by a registered professional engineer. Design and other industry professionals can view online or download a complete ReCon design and construction reference manual at www.reconwalls.com.

ReCon Block is produced and marketed pursuant to a license agreement with ReCon Wall Systems, Inc., 7600 West 27th St., #229, St. Louis Park, MN 55426. Patents issued: US 6,620,364 B2, US 6,829,867 B2 and US 7,341,685 B2.



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