



LondonBoulder™

A comprehensive guide to LondonBoulder and the LondonBoulder Form

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Visit us online: LondonBoulder.com



We at JME would like to thank you for your interest in LondonBoulder.

As a producer, you will find that the LondonBoulder and LondonBoulder form have several advantages which will result in increased efficiency, increased sales, and ultimately, increased profits for your company. LondonBoulder form advantages include:

1. No royalty, franchise, or license fees
2. A single form that produces every shape necessary
3. A choice of face textures for broadened appeal
4. A relationship with a quality company that stands by its products

And these advantages don't stop with you. Your customers will find that the LondonBoulder has several benefits as well. Among them:

1. A wall which can be used for zero-setback and setback retaining walls, as well as for partition walls
2. A wall that requires limited excavation and offers easy installation
3. A boulder block that is reversible, interlocking, and easily stained to match any color
4. Two face styles to choose from: Boulder Face and Chiseled Limestone

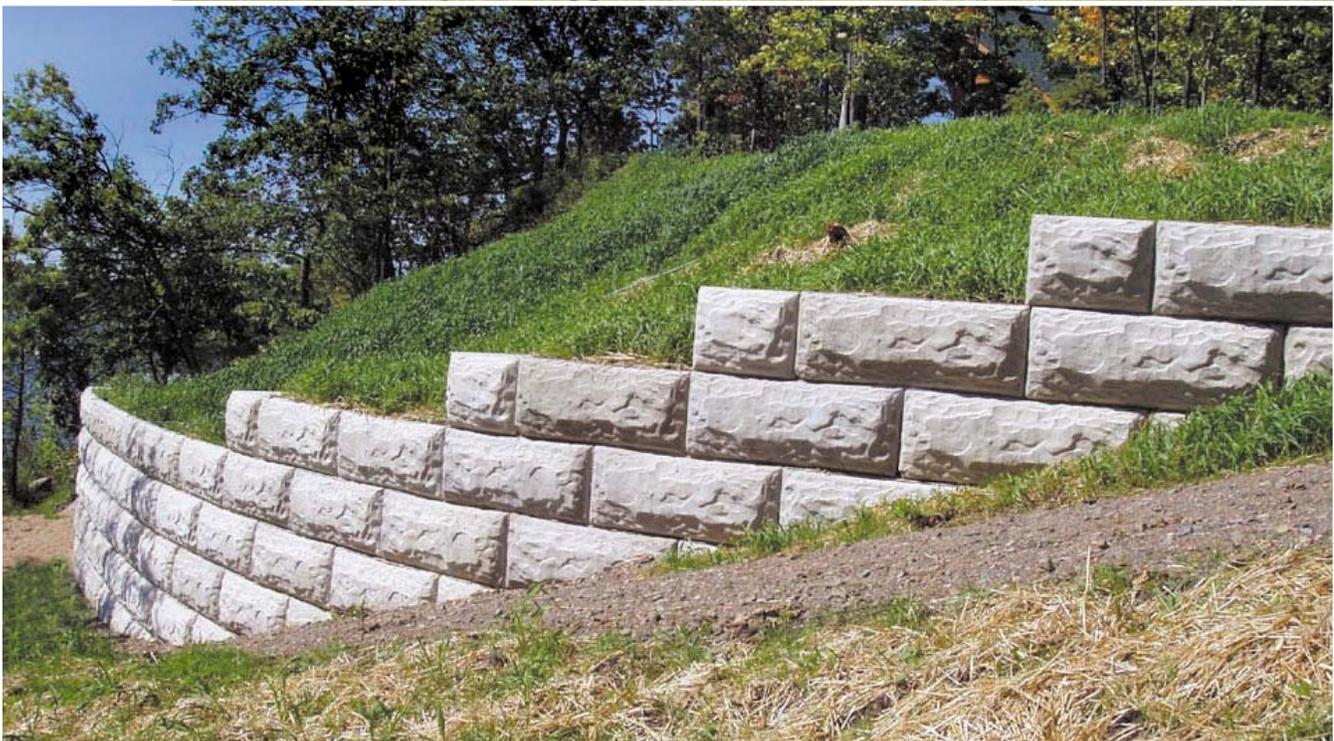
As a family owned, Midwestern company, we at JME and LondonBoulder understand that a little hard work focused in the right direction can pay dividends well into the future. Here's to the hope that our hard work can make your hard work a little easier!

You'll find this LondonBoulder interactive disk to be well worth your while. Please don't hesitate to contact us with any questions.

Kind Regards,

The JME and LondonBoulder Staff

ON-SITE PHOTOGRAPHS



ON-SITE PHOTOGRAPHS



ON-SITE PHOTOGRAPHS

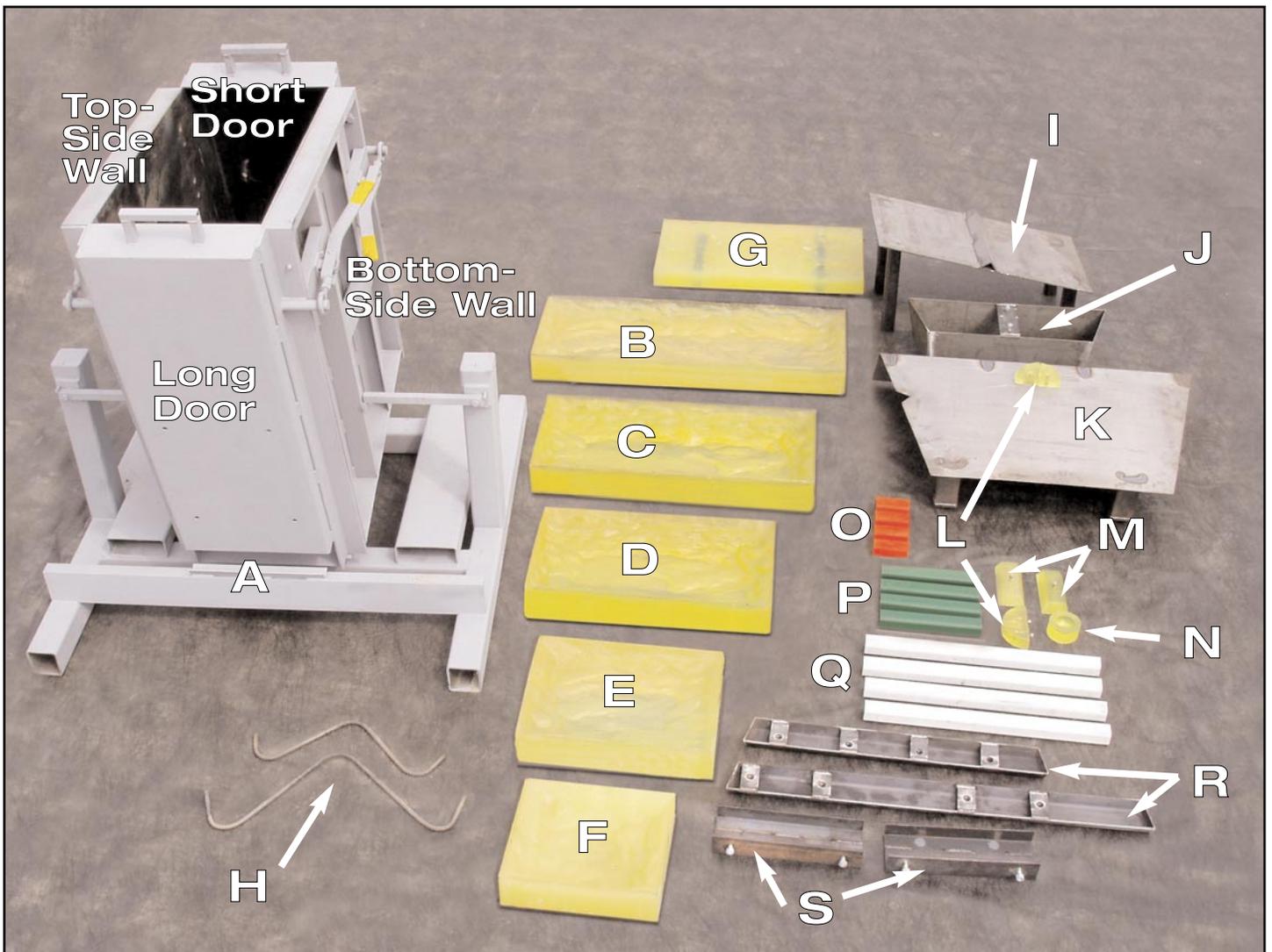


ON-SITE PHOTOGRAPHS



PARTS & ACCESSORIES

- A.** LondonBoulder Form
 - B.** 48" X 18" X 5"
 - C.** 40" X 18" X 5"
 - D.** 32" X 18" X 5"
 - E.** 24" X 18" X 5"
 - F.** 16" X 18" X 5"
 - G.** 34" X 18" X 2.5"
(Polyurethane Floor Plate)
 - H.** Bent Rebar Lift-Eye (two each)
 - I.** Steel Floor Plate
 - J.** Core Plug
 - K.** Sod Plate
 - L.** Polyurethane Lift-Eye (two each)
 - M.** Polyurethane Box-Lug (two each)
 - N.** Polyurethane Ball-Lug
 - O.** Set of 4 Legs (red)
 - P.** Set of 4 Legs (green)
 - Q.** Set of 4 Legs (white)
 - R.** 2 Channel Bars
 - S.** 2 Face Positioning Brackets
- Hardware Package** (not pictured)
(3/8 CN 4 each) (5/16 CN 2 each)



CLICK HERE FOR



PACKAGE DETAIL LIST

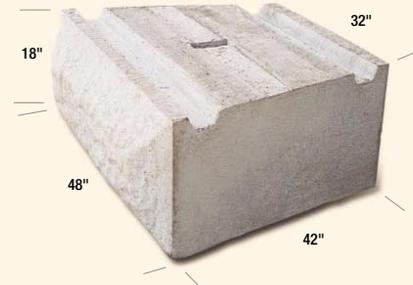
BASIC PACKAGE

LondonBoulder Form & Inserts for *Full Boulder*

POLYURETHANE INSERTS

48" X 18" X 5"
32" X 18" X 5"

Full Boulder
48 x 18 x 42 (32")
Weight: 2050 lbs.
Sq. Ft. / Block: 6 sq. ft.



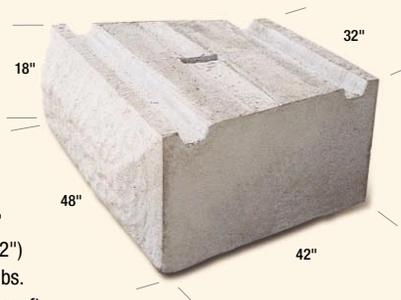
FULL PACKAGE

LondonBoulder Form & Inserts for *Full, 1/2 Corner, 2/3 Corner, Full Corner and Cap Boulder*

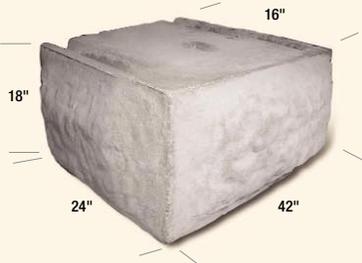
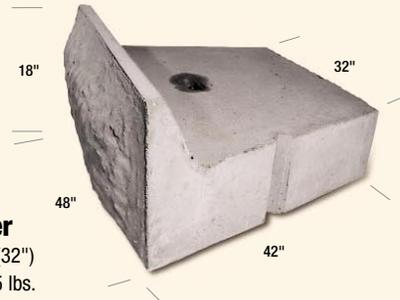
POLYURETHANE INSERTS

48" X 18" X 5"
40" X 18" X 5"
32" X 18" X 5"
24" X 18" X 5"
16" X 18" X 5"

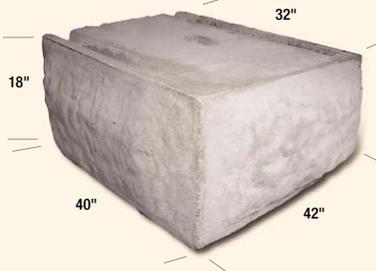
Full Boulder
48 x 18 x 42 (32")
Weight: 2050 lbs.
Sq. Ft. / Block: 6 sq. ft.



Cap Boulder
48 x 18 x 42 (32")
Weight: 1425 lbs.
Sq. Ft. / Block: 6 sq. ft.



1/2 Corner Boulder
24 x 18 x 42 (16")
Weight: 900 lbs.
Sq. Ft. / Block: 3 sq. ft.



2/3 Corner Boulder
40 x 18 x 42 (32")
Weight: 1450 lbs.
Sq. Ft. / Block: 4 sq. ft.



Full Corner Boulder
48 x 18 x 42 (40")
Weight: 2150 lbs.
Sq. Ft. / Block: 6 sq. ft.

NEW PRODUCTS



We are proud to announce the addition of two new units to the LondonBoulder family!



Cap Corner Boulder

The Cap Corner Boulder provides a finished end to a course of Cap Boulders. If the application calls for a 90 degree corner, this unit will provide the finishing touches to the top course.



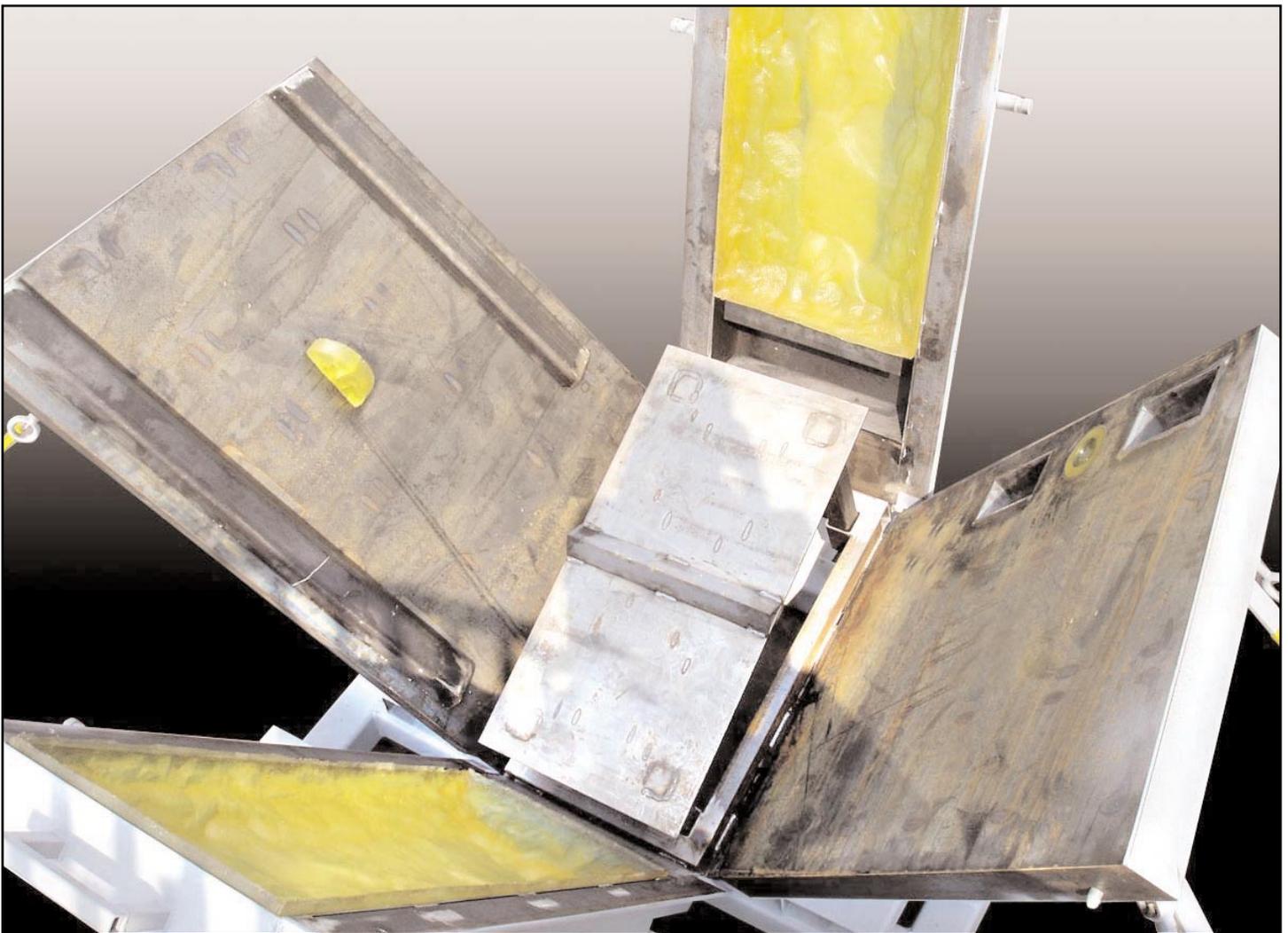
90° Return Boulder

With its 24" depth and 48" length, the "90 Degree Return Boulder" creates a perfect half bond across both faces of a 90 degree wall. This unit has a convex textured face that is consistent with the front faces of all other LondonBoulder units.

SETTING UP THE FULL BOULDER FORM

The Full Boulder will make up the majority of most walls. The primary characteristics of the Full Boulder are its 48" front face tapering back to a 32" rear face, with two parallel channels on the top surface and two interlocking box lugs on the bottom surface.

The tapered block is a benefit when building curved walls as it allows the turning of a radius in shorter distances and with no cutting. If your radius is extremely tight, simply knock off the necessary box lugs and rely on the ball lug to keep the two units interlocked.

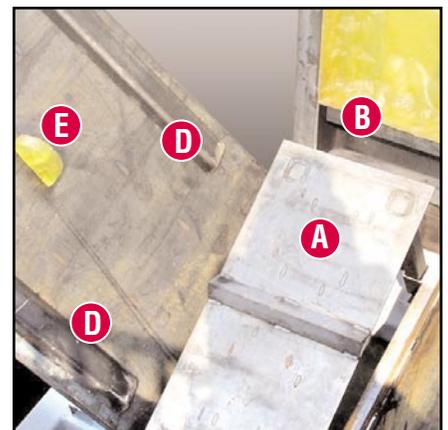
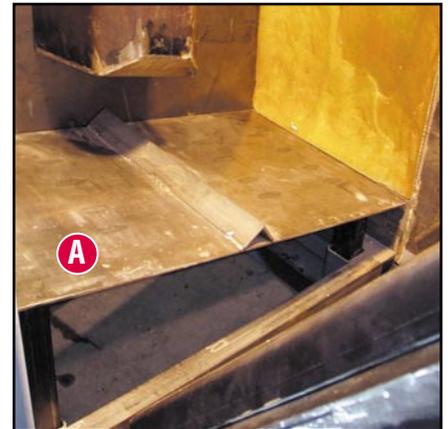


SETTING UP THE FULL BOULDER FORM - CONT...

Key points to set-up, from the beginning.



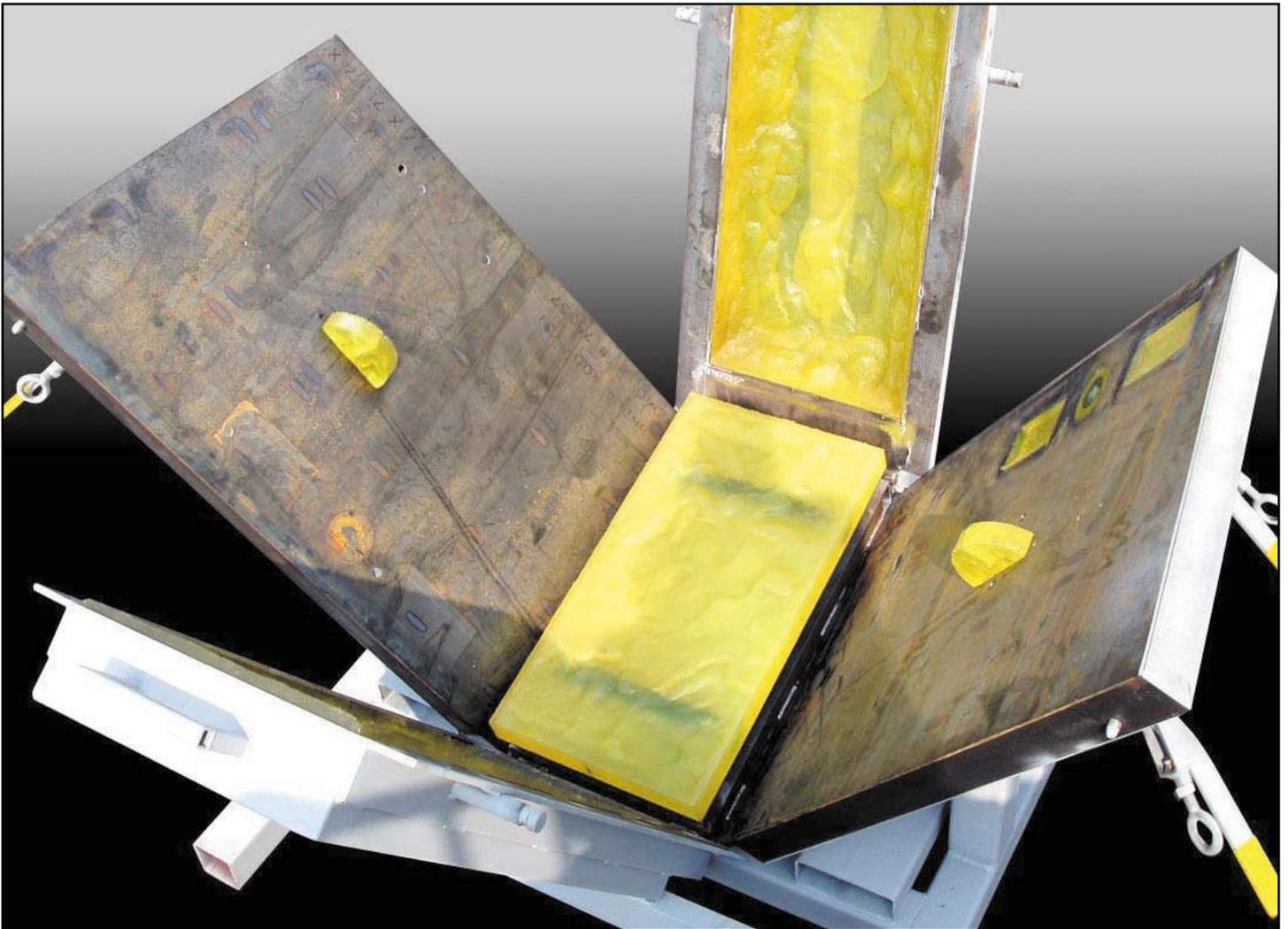
- A** Install steel floor plate
- B** Install face positioning bracket into short door at 32" level
- C** Insert 48" polyurethane face into long door and 32" polyurethane face into short door
- D** Install channel bars with upper edge flush to top edge of top sidewall.
- E** Install polyurethane lift-eye
- F** Insert polyurethane ball-lug
- G** Core plug (optional if heavier block is desired)
 - Insert polyurethane box-lug if producing base course block (optional)



SETTING UP THE FULL CORNER FORM

The Full Corner is similar to the Full Boulder with two major exceptions: First, there is a third textured face on one end of the block. Second, a 90 degree angle forms where the third face intersects with the front and rear faces. There is no taper at these corners.

This block is used anywhere a finished end is desired. It is easily flipped upside down to form both left and right finished ends. No box-lugs and two rebar lift-eyes make this possible.



SETTING UP THE FULL CORNER BOULDER FORM - CONT...

Key points to set-up, from the beginning.



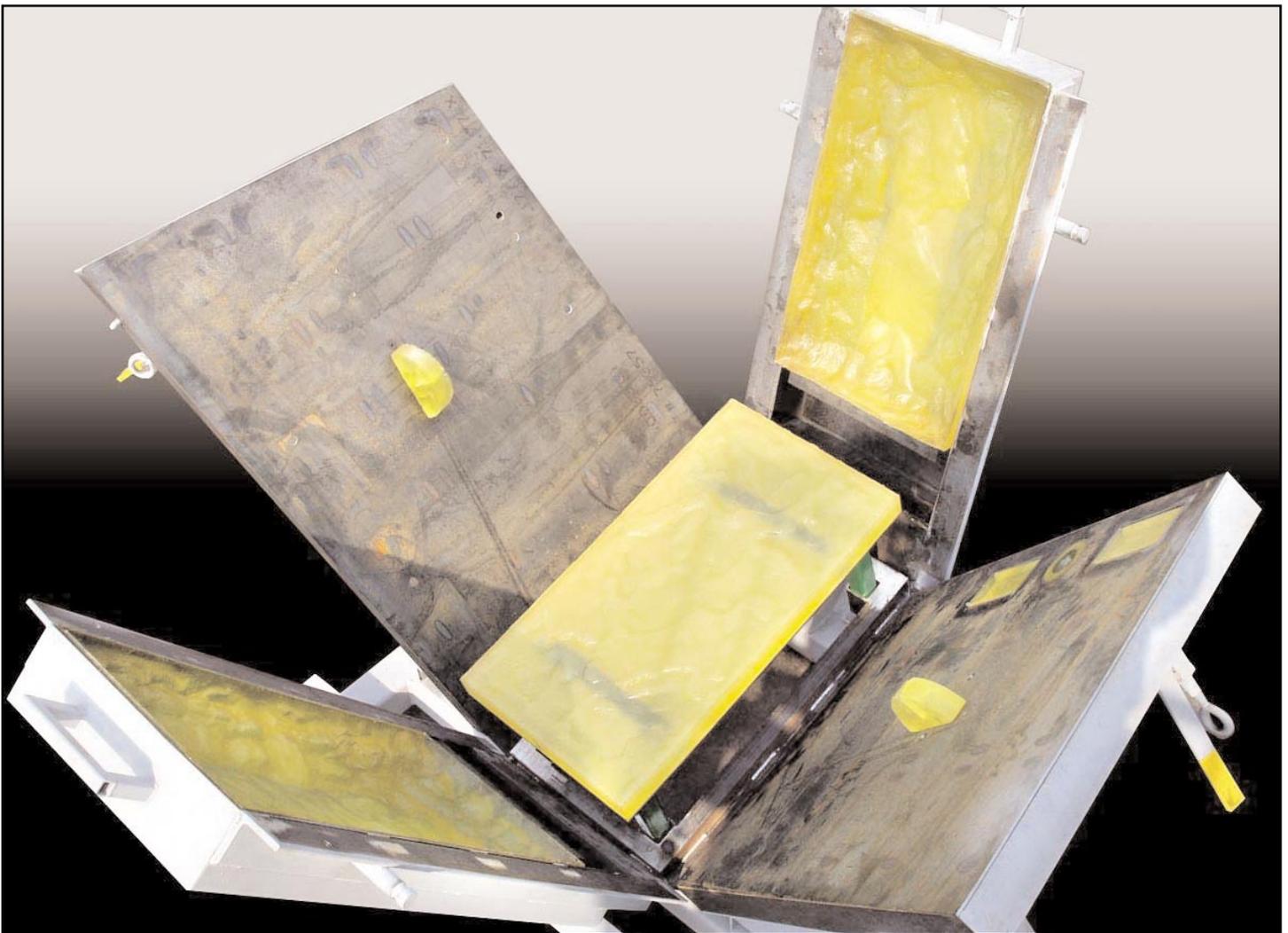
- A** Install polyurethane floor plate onto *red* legs
- B** Insert 48" polyurethane face into long door and 40" polyurethane face into short door
- C** Install polyurethane lift-eye in bottom position to both top and bottom side walls
- D** Insert polyurethane box-lugs
- E** Install channel bars with upper edge flush to top edge of top sidewall.
- F** Insert polyurethane ball-lug smooth side out



SETTING UP THE 2/3 CORNER FORM

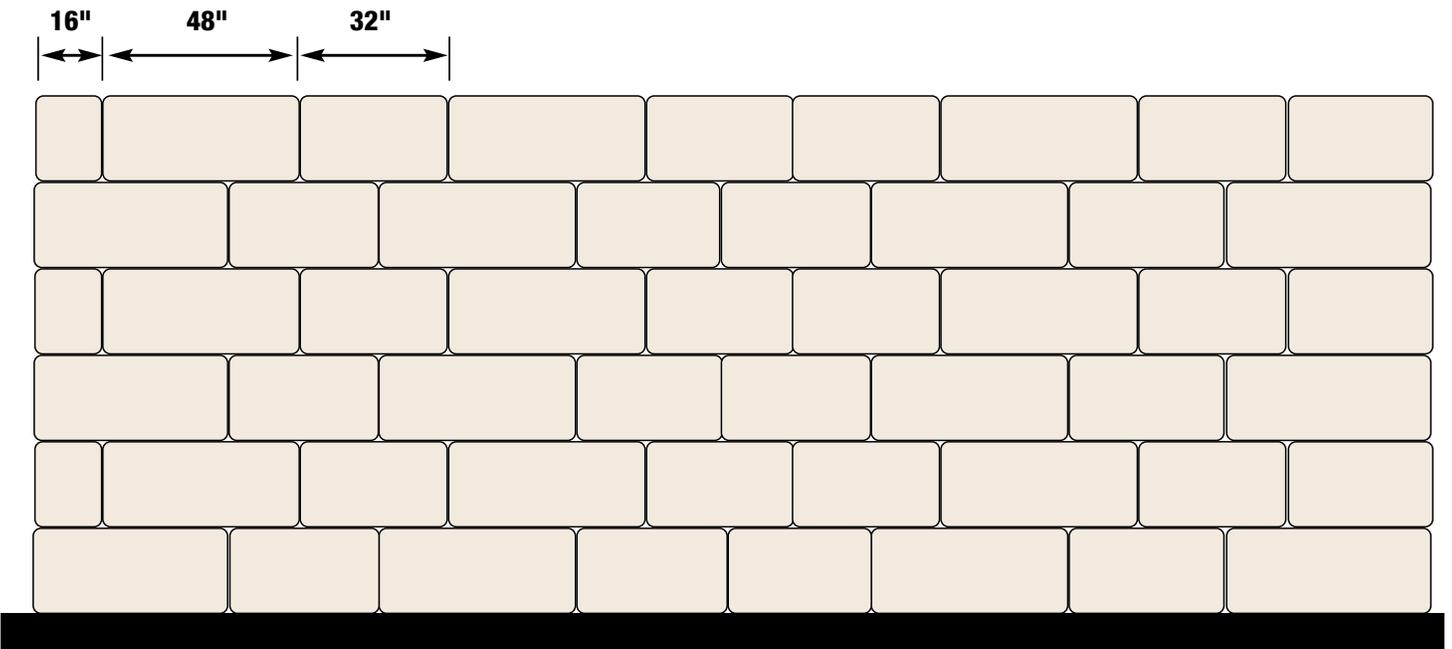
The Boulder: Like the 1/2 Corner and Full Corner Boulders, the 2/3 Corner Boulder has a textured face on its end, intersecting at a 90 degree angle with the front and rear faces. These faces are 40" and 32" inches, respectively.

When constructing a vertical partition wall with a 2/3 staggered bond, the 2/3 Corner Boulder can be used on the return course and in conjunction with a 1/2 Corner Boulder at the other end. See figure A 



VERTICAL PARTITION WALL - 2/3 BOND

Figure A.

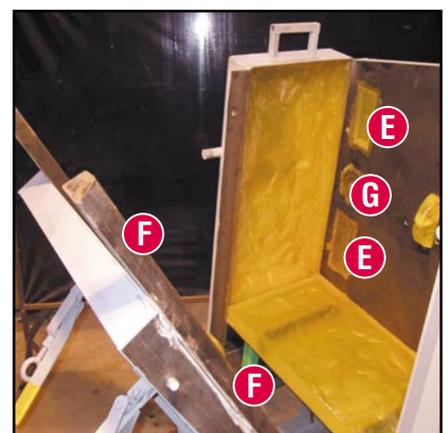
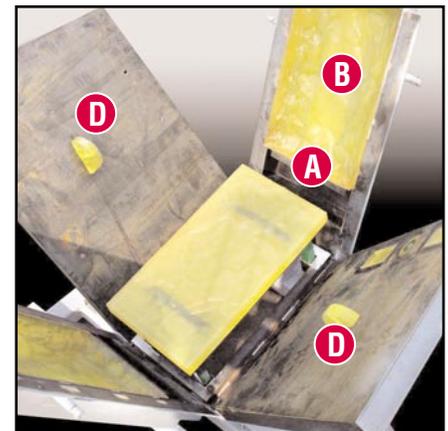
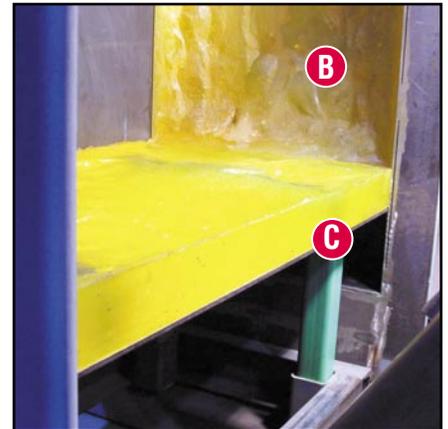


SETTING UP THE 2/3 CORNER FORM - CONT...

Key points to set-up, from the beginning.



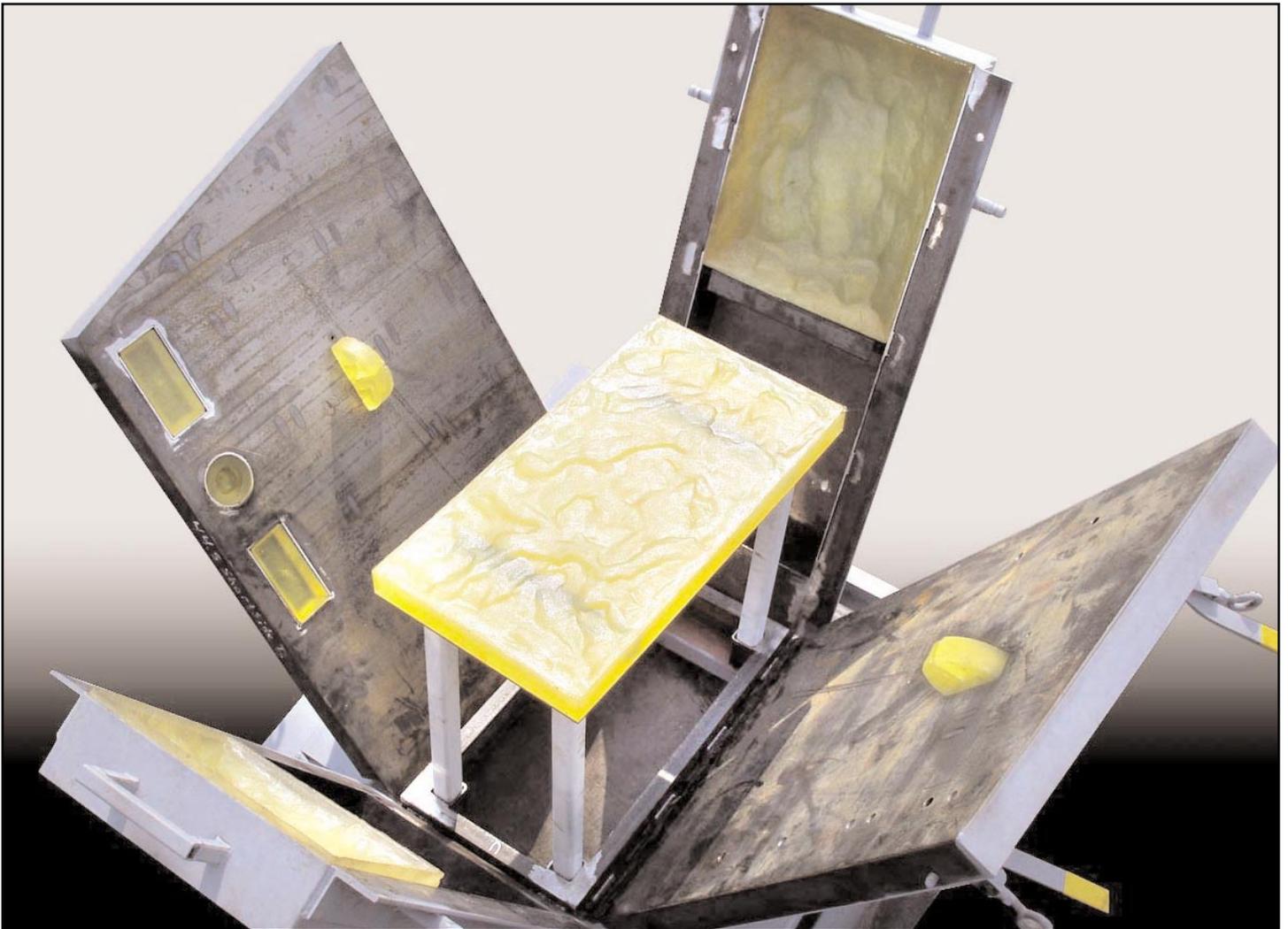
- A** Install the first face positioning bracket into long door at 40" level and the other face positioning bracket into the short door at the 32" level
- B** Insert 32" polyurethane face into long door and 24" polyurethane face into short door
- C** Install polyurethane floor plate onto *green* legs
- D** Install polyurethane lift-eye at middle position on both top and bottom sidewalls
- E** Insert polyurethane box-lug
- F** Install channel bars in raised position to the level of the polyurethane floor plate (optional)
- G** Insert polyurethane ball-lug smooth side out



SETTING UP THE 1/2 CORNER FORM

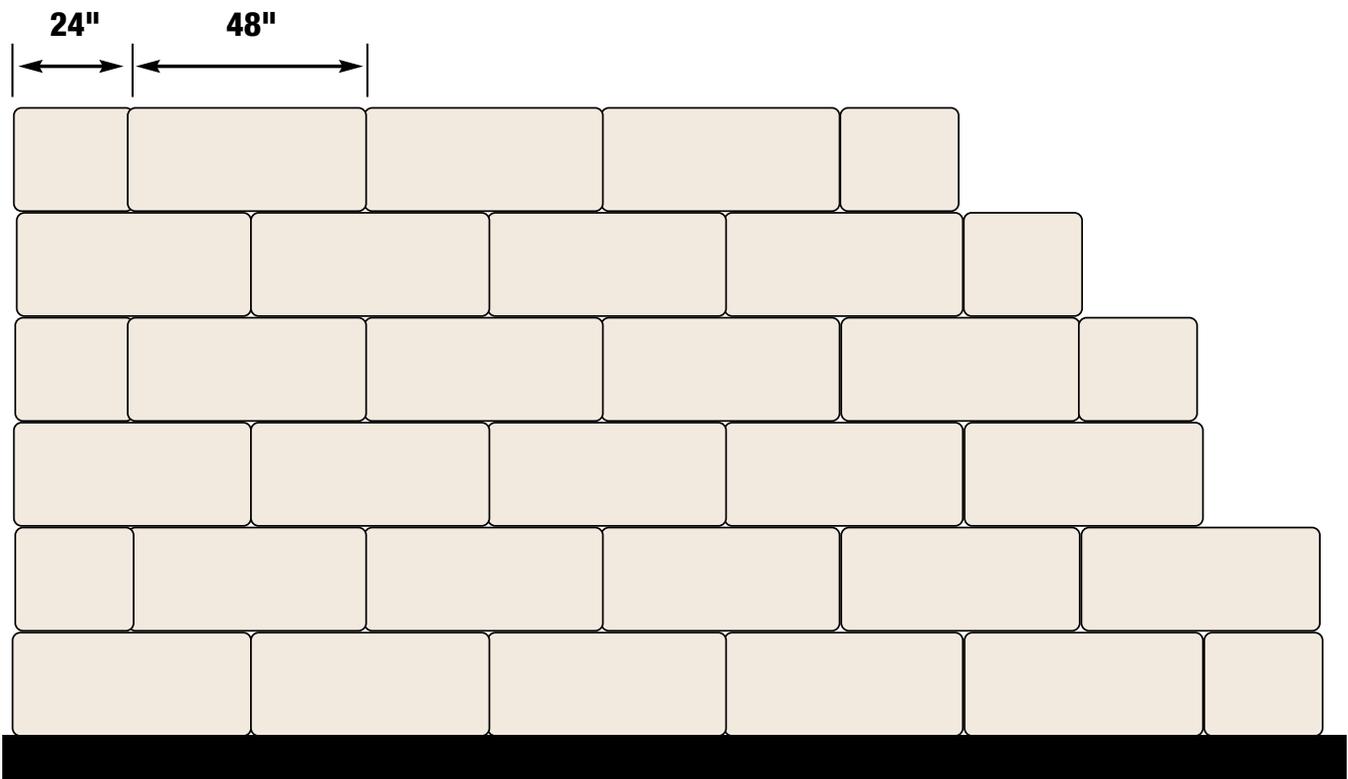
The 1/2 Corner has all the same features as the Full Corner with the exception of its front and rear faces being 24" and 16" long, respectively.

When building a retaining wall, this is the perfect unit to begin your second course since it allows for a perfect half-stagger of the vertical joints. Likewise, it is a great finish to the end of your wall. See figure B 



RETAINING WALL - (VERTICAL OR SET-BACK) 1/2 RUNNING BOND

Figure B.

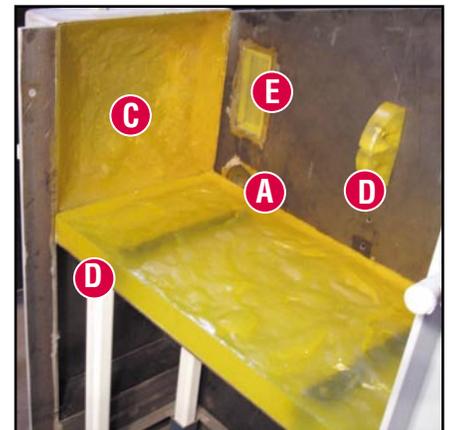
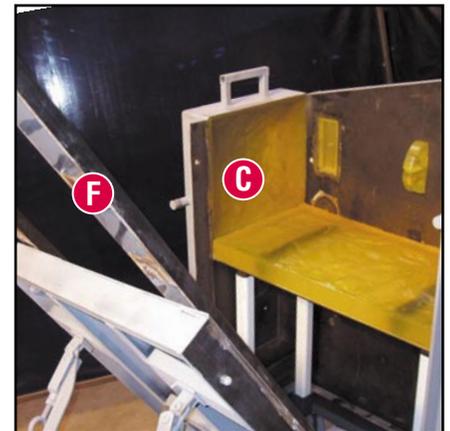


SETTING UP THE 1/2 CORNER FORM - CONT...

Key points to set-up, from the beginning.



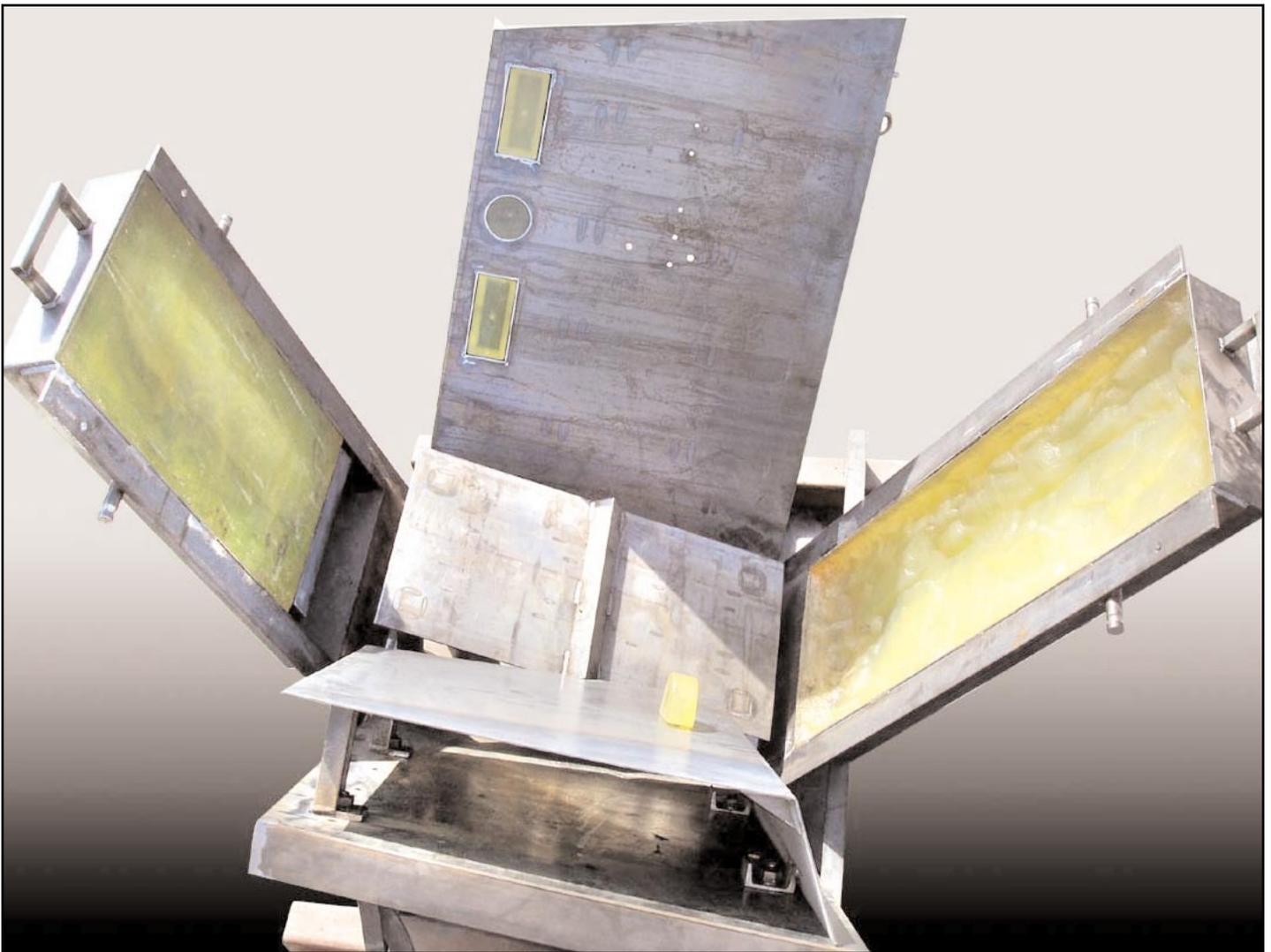
- A** Insert polyurethane ball-lug smooth side out
- B** Install one face positioning bracket into long door at 24" level and another face positioning bracket into the short door at the 16" level
- C** Insert 24" polyurethane face into long door and 16" polyurethane face into short door
- D** Install polyurethane floor plate onto *white* legs
- E** Install polyurethane lift-eye at top position in both top and bottom sidewalls
- F** Insert polyurethane box-lug
- F** Install channel bars in raised position to the level of the polyurethane floor plate (optional)



SETTING UP THE CAP BOULDER FORM

Whatever the type of wall, the Cap Boulder is the perfect unit to finish the top course. With a front face that is identical to that of the Full Boulder, the Cap Boulder maintains continuity on the front side of the wall.

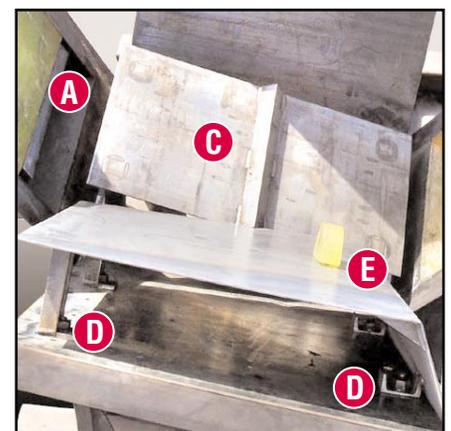
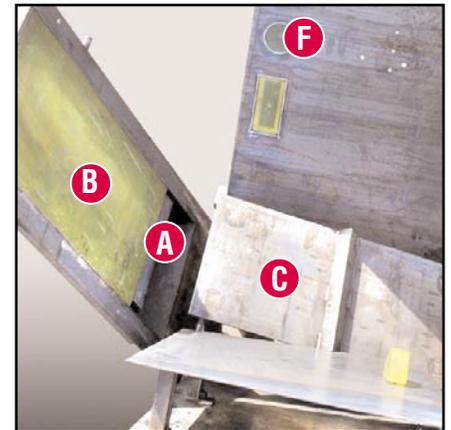
However, the back side of the boulder is recessed 8 inches to allow for the application of soil, sod, rock, mulch or any other fill material the end user deems necessary. The Cap Boulder's sides are tapered to allow for a radius wall if desired.



SETTING UP THE CAP BOULDER FORM - CONT...

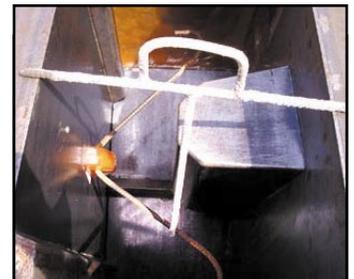
Key points to set-up, from the beginning.

- A** Install face positioning bracket into short door at 32" level
- B** Insert 48" polyurethane face into long door and 32" polyurethane face – smooth side facing out – into short door
- C** Install steel floor plate
- D** Install sod plate into channel bar bolt holes
- E** Install polyurethane lift-eye onto sod plate
- F** Insert polyurethane ball-lug

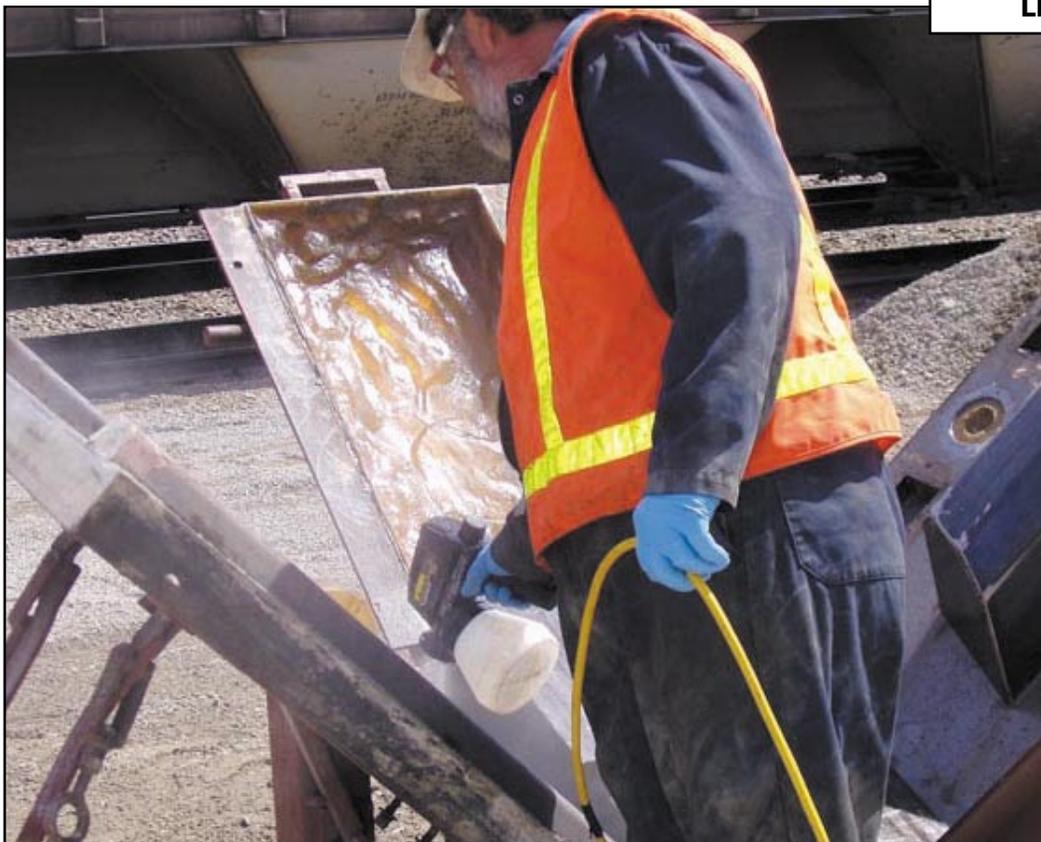


PREPARATION AND CLEANING

- Move all four doors to open position
- Use a flat edge (chisel or scraper) to remove large chunks of excess dried concrete from edges of door
- Using high pressure air, blow out excess dried concrete from interior joints and surfaces of form
- With a spray gun, apply a generous coating of polyurethane form release to all interior surfaces of the form: [Click here](#) for polyurethane form release recommendations
- Insert center of bent rebar lift-eye into polyurethane lift-eye
- Move form doors to closed position and lock into place
- Keep the bent rebar lift-eye in horizontal position until concrete is poured. Fabrication of lift-eye holder may be helpful. (see picture on right)



Lift-Eye Holder



PREPARING
FORM



CLOSING -
INSERTING
LIFT-EYE
HOLDER

Always use proper eye, ear, skin and lung protection.

POURING THE FORM

- Pour concrete directly into closed form
- Use pencil vibrator to vibrate the concrete
- Once concrete reaches bent rebar lift-eye, remove lift-eye holder
- Forms can be poured and stripped once or twice per day depending on outside temperature and characteristics of the concrete with respect to strength, admix and overall content.



Always use proper eye, ear, skin and lung protection.

STRIPPING

- Release locking mechanisms
- Open front and rear face doors and set in open position
- Open bottom sidewall door and set in open position
- Use front end loader or any type of machine capable of lifting the 2,000+ lb. block
Equip machine with chain that has a hook on bottom end
Place hook into lift eye
- Gently lift and turn to lower top sidewall door into open position
- Completely lift block out of the form



STRIPPING



LIFTING
BOULDER

Always use proper eye, ear, skin and lung protection.

MISCELLANEOUS INFORMATION

Polyurethane form release details.

- To maximize the life of your LondonBoulder polyurethane liners, it is critical that the proper release agents be used. Release agents that are used for steel, plastic, and wood are typically not compatible with polyurethane liners. Use of an incorrect release agent may cause swelling and subsequently reduce the life-span of the liners.
- The following release agents have been tested and found compatible with the polyurethane liners:
 - Poly-Ease 2650 from Polytec // Phone: 800-858-5990
 - CRA 3 from Armcon
 - 727 from Cresset Chemical // Phone: 419-669-2041
 - VOC 20 from Cresset Chemical // Phone: 419-669-2041
- The following are typical characteristics of compatible release agents. **THESE CHARACTERISTICS DO NOT GUARANTEE COMPATIBILITY.** They are provided to narrow your search:
 - Designed specifically for polyurethane rubber
 - Water based
 - Reactive release-based fatty acids such as vegetable or animal oils carried in a petroleum solvent. Diesel fuel, transmission oil, and low flash solvents are to be avoided.

Miscellaneous Form Information

- LondonBoulders average approximately .6 yards of concrete per unit
- Weight of steel form: 1360 lbs.
- Weight of polyurethane form liners: 385 lbs. (full package)
- Volume LondonBoulder Form discounts:
 - Purchase 1-4 – normal pricing
 - Purchase 5-9 – 3% discount
 - Purchase 10+ – 5% discount
 - Discounts are retroactive in any 2 year span.
 - E.g. Buy 2 forms in 2004 – list price
 - Buy 3 more forms in 2005 – 3% discount on all 5 total forms
- Typical concrete used in LondonBoulder Forms:
 - 3500-4000 psi air-entrained or whatever producer uses for outside concrete in his or her area
- LondonBoulder brochures and pictures are available for marketing purposes
- Call for current pricing

[Installation Guidelines \(Click Here\)](#)

Contact info:

Andy Quist

- 763-295-3122 – office
- 800-450-3122 – toll free
- 612-940-1849 – cell
- email: andyjme@tds.net

Kelly Morrell

- 320-354-2311 – office
- 877-224-8188 – cell
- email: cpnl@tds.net

Mike Frandsen

- 763-295-3122 – office
- 800-450-3122 – toll free
- 612-940-7314 – cell
- email: mikejme@tds.net

1401 Fallon Avenue, Monticello, MN 55362 • www.LondonBoulder.com

LONDONBOULDER CONTRACT INFORMATION

This Contract for Sale of Goods is made this ____ day of _____, 20__ by and between JME of Monticello, Inc., a Minnesota Corporation, with its principal place of business at 1401 Fallon Avenue, Monticello, Minnesota ("Seller") and _____, with a principal place of business at _____ ("Buyer") for the purchase of the goods described below:

Qty.	Item#	Description	Price	Total

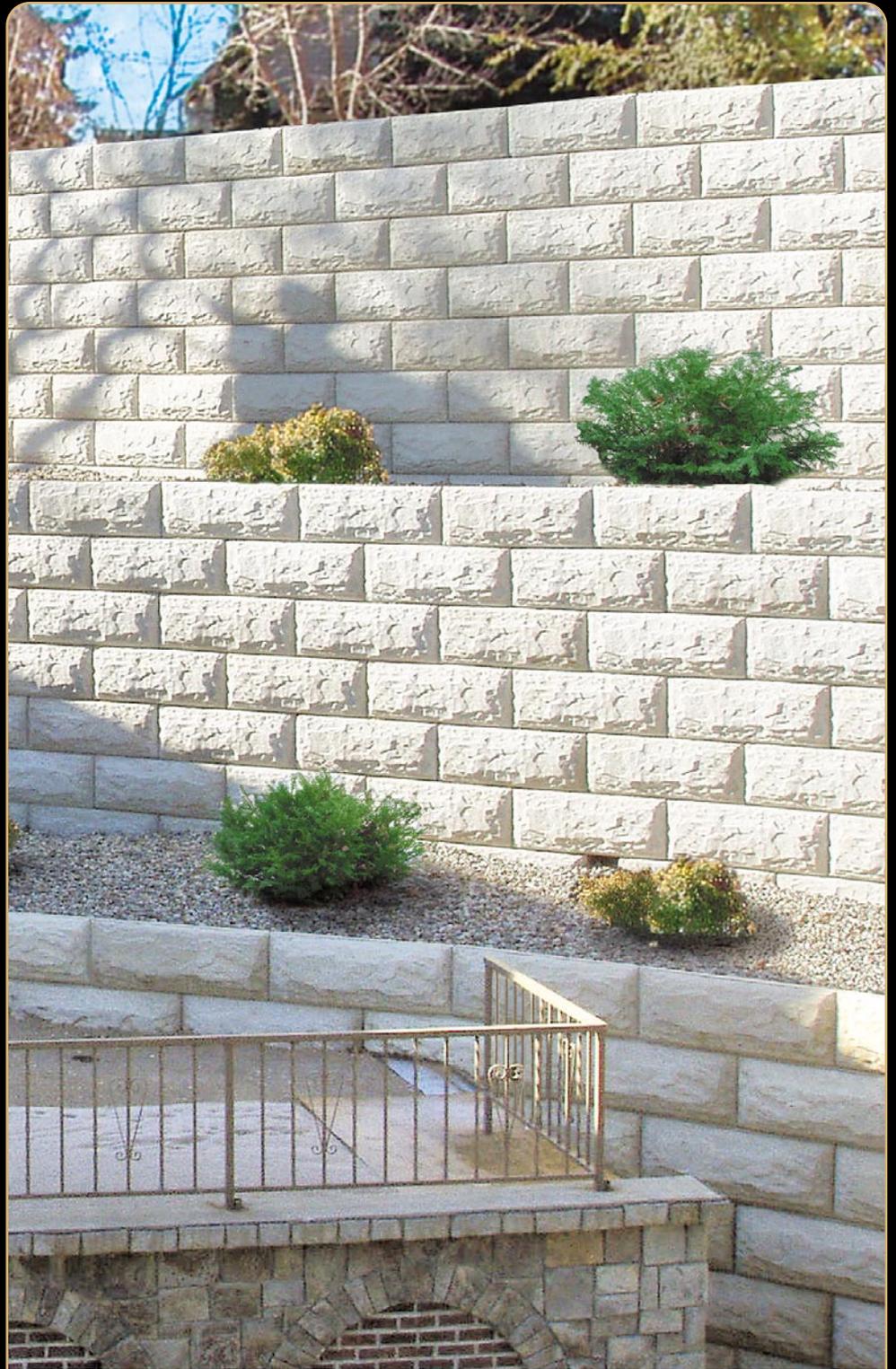
1. Deposit. Upon signing this Contract, Buyer shall pay Seller a deposit of 25% toward the total price as a precondition for Seller's performance, which deposit is to be credited to the last shipment.
2. Delivery. Upon receipt of a 25% deposit and a signed Contract, Seller will require 42 days prior to product delivery, at which point Seller will arrange for delivery through a carrier chosen by Seller, on terms of "freight collect." Seller will not perform delivery until remaining 75% balance on account is paid in full. If, after delivery, Buyer is in arrears on the account, Seller may then cancel this contract and sue for its damages, including lost profits, offsetting the deposit there against, and further recover its cost of suit including attorney fees. INITIAL_____
3. Payment Terms. Payment terms may be arranged upon request.
4. Charges. If Seller undertakes collection or enforcement efforts, Buyer shall be liable for all costs thereof, including attorney fees. If Buyer is in arrears on any invoices, Seller may, on notice to Buyer, apply the deposit thereto and withhold further delivery until the deposit and all arrearages are brought current. INITIAL_____
5. Warranty. Seller warrants that the goods sold hereunder are new and free from substantive defects in workmanship and materials. Seller's liability under the foregoing warranty is limited to replacement of goods or repair of defects or refund of the purchase price at Seller's sole option. No other warranty, express or implied, is made by Seller, and none shall be imputed or presumed.
6. Additional parts. Upon signing this Contract, Buyer agrees to purchase from Seller all additional parts or products related to the goods listed herein. Buyer forfeits any and all ability to produce, or purchase, parts or products related to the LondonBoulder Form.
7. Taxes. All sales taxes, tariffs, and other governmental charges shall be paid by Buyer and are Buyer's Responsibility except as limited by law.
8. Governing Law. This Contract shall be governed by the laws of the State of Minnesota. Any disputes hereunder will be heard in the appropriate federal and state courts located in Wright County, Minnesota.
9. Force Majeure. Seller may, without liability, delay performance or cancel this contract on account of force majeure events or other circumstances beyond its control, including, but not limited to, strikes, acts of God, political unrest, embargo, failure of source of supply, or casualty.
10. Miscellaneous. This Contract contains the entire agreement between the parties and supersedes and replaces all such prior agreements with respect to matters expressly set forth herein. No modification shall be made to this Contract except in writing and signed by both parties. This Contract shall be binding upon the parties and their respective heirs, executors, administrators, successors, assigns and personal representatives.

 Seller Date

 Buyer Date

LondonBoulder™

Unmatched Strength with Style



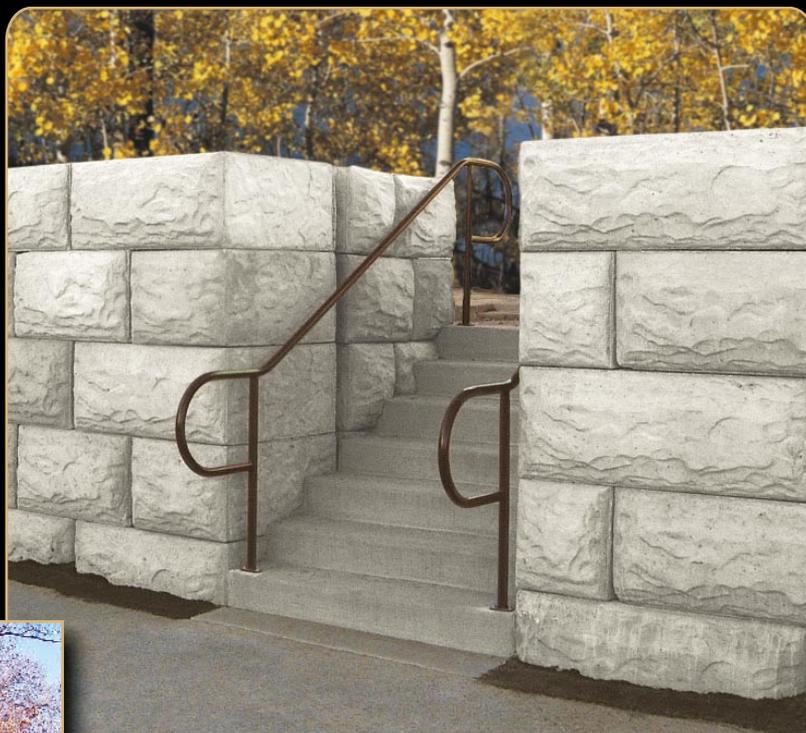
A Step Ahead of the Rest

LondonBoulder combines the natural aesthetics of boulder walls with the proven strength and reliability of traditional segmental retaining wall units. At roughly 2,000 pounds each, the sheer mass of these units allow the installer to build a 9-foot high wall with limited excavation and no reinforcements.

LondonBoulder™

When your application requires strength and style, the London Boulder is the perfect solution.

- Easy installation, limited excavation required
- Reversible interlocking blocks can be dyed to match any color
- Can be used as a partition wall with the chiseled rock texture on both sides
- As a retaining wall, it can either have a set back or a zero set back



LondonBoulder™ Specifications

Full Boulder

The Full Boulder will make up the majority of most walls. This tapered unit is a benefit when building curved walls since it allows the turning of a radius in shorter distances and with no cutting.

48 x 18 x 42 (32") **Weight: 2050 lbs.** **Sq. Ft. / Block: 6 sq. ft.**



Full Corner Boulder

The Full Corner features a 90° corner and a third textured face at one end of the unit. The front face is identical to the Full Boulder. It is easily flipped upside down to form both left and right finished ends. This is a nice finish to the end of any wall.

48 x 18 x 42 (40") **Weight: 2150 lbs.** **Sq. Ft. / Block: 6 sq. ft.** * This unit also available in 24" depth.



2/3 Corner Boulder

The 2/3 Corner is similar to the Full Corner with the exception of its 40" front face. When constructing a vertical partition wall with a 2/3 staggered bond, use a 2/3 Corner on the return course and in conjunction with a 1/2 Corner at the other end.

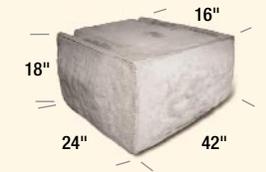
40 x 18 x 42 (32") **Weight: 1450 lbs.** **Sq. Ft. / Block: 4 sq. ft.**



1/2 Corner Boulder

The 1/2 Corner is similar to the Full Corner with the exception of its 24" front face. For retaining walls, use this unit to begin the second course. The result is a perfect half-stagger of the vertical joints. This is a nice finish to the end of any wall.

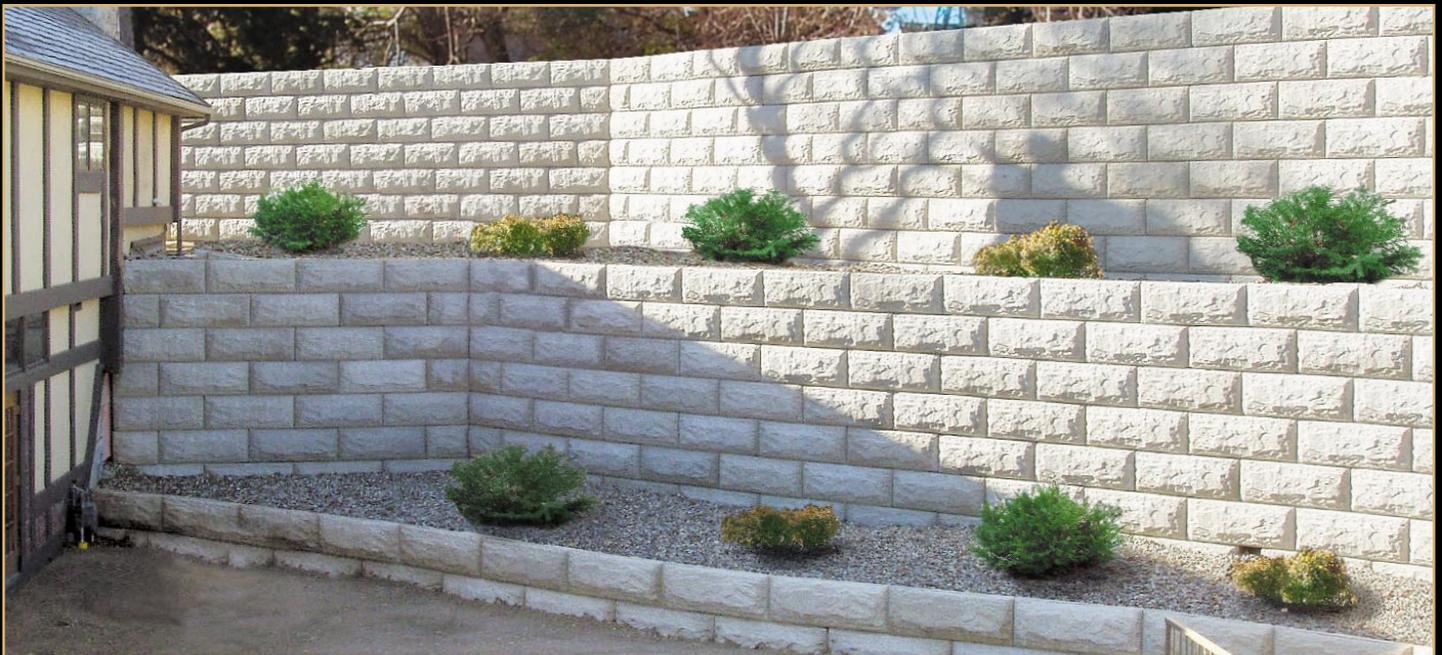
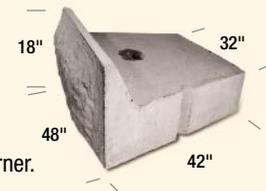
24 x 18 x 42 (16") **Weight: 900 lbs.** **Sq. Ft. / Block: 3 sq. ft.**



Cap Boulder

The Cap unit is the perfect finish for a top course. Its front face is identical to the Full Boulder so the Cap Boulder maintains continuity on the wall's front side. However, the back side of the boulder is recessed 8" to allow for the application of soil and sod.

48 x 18 x 42 (32") **Weight: 1425 lbs.** **Sq. Ft. / Block: 6 sq. ft.** * This unit also available as a Cap Corner.



LondonBoulder™

Unmatched Strength with Style



LONDONBOULDER INSTALLATION GUIDELINES – For walls up to 9' tall

STEP 1: PREPARE WALL BASE

Figure the location, length and elevation of the wall. Excavate base trench approximately 9" deep and 60" wide. Using 1/2" – 3/4" crushed stone, recycled concrete or gravel, compact to 95% Standard Proctor or greater. Always start wall base at the lowest elevation of the wall. Keep in mind that LondonBoulder units can be directly off-loaded from the delivery boom truck if desired. However, this can be time consuming and costly if wall base is not adequately prepared.

STEP 2: INSTALL THE BASE COURSE

Place and level each base course unit, making sure unit is level from side to side, front to back, and with adjacent units. The base course is critical for achieving desired results. Take time accordingly.

STEP 3: DRAIN PIPE INSTALLATION

Install a 6" wrapped, perforated drainpipe behind the base course and along the full length of the wall. Surround drainpipe with 1 sq. ft. of drain stone.

STEP 4: BACKFILL

Use 3/4" to 1" free-draining, angular, granular fill to a width of 6" behind the wall. Compact to a 95% density. Round rock and pea-gravel should not be used.

STEP 5: INSTALL ADDITIONAL COURSES

Clear all rock and debris from the top of each row before installing next course. Position additional courses upon preceding layer, straddling the two lower units and staggering the vertical joints.

***NOTE FOR PARTITION WALLS:** If installing a partition wall, a definite pattern must be used. This requires that the installer adhere to a specific set of wall lengths as determined by full-unit increments. All partition walls should have a base course consisting of full and full-corner LondonBoulder units. The second course will consist of full units encased by a half-corner block on one end and a 2/3-corner block on the other. All subsequent rows will repeat the pattern created by the first two courses. Please contact your LondonBoulder salesperson with any questions.

***NOTE:** FOR WALLS GREATER THAN 9' TALL, PLEASE CONSULT A CERTIFIED ENGINEER.



763-295-3122 Monticello
320-354-2311 New London
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320-589-3700 Morris
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