Check with your local authorized Redi-Rock® Manufacturer for Product Availability

Every Redi-Rock distributor/manufacturer is independently owned and operated. Patents pending on various design criteria. We reserve the right to modify design or specifications without incurring obligation.
COLUMN AND FENCE SERIES

**Fence Rail**
(Typical, Wood or Concrete)

**Column Cap**
*Four Sided*
Volume = 2.56 cft
Weight = ±366 lbs

**Column Cap with Conduit**
Volume = 2.52 cft
Weight = ±360 lbs

**Gate Column**
Volume = 5.44 cft
Weight = ±778 lbs

**End Column**
Volume = 5.07 cft
Weight = ±725 lbs

**Corner Column**
Volume = 5.00 cft
Weight = ±715 lbs

**Line Column**
Volume = 5.00 cft
Weight = ±715 lbs

**NOTES:**
Volume based on blocks as shown.
Actual weights and volumes may vary.
Weight shown is based on 143 pcf concrete.
24" x 24" Column Maximum Height

Without Poured Cores or Tie-Downs
Wind Loads Up to 90 mph

Footing bearing material shall be granular and compacted to 95% of standard proctor, 90% of the modified proctor or in-situ compacted and tested to ensure adequate bearing capacity.
Driveway Gate Entrance

Grouted Core with Electrical Conduit (Through Center of Column)

Column Cap

Column Block

Optional Freestanding Wall or Fence

8'-0''

6” footing bearing material shall be granular and compacted to 95% of standard proctor or 90% of modified proctor to ensure adequate bearing capacity.

SECTION A-A

Place rebar in column core hole and fill with concrete / grout. Conduit can also be placed in the core to provide electrical service for lighting.
Columns with Fence

Column Cap

Wrought Iron Style Gate

Column Block

Footing bearing material shall be granular and compacted to 95% of standard proctor, 90% of the modified proctor or in-situ compacted and tested to ensure adequate bearing capacity.

Column Cap

Split Rail Fence (Wood or Concrete)

Column Block

Footing bearing material shall be granular and compacted to 95% of standard proctor, 90% of the modified proctor or in-situ compacted and tested to ensure adequate bearing capacity.
Columns with Entry Gate

Wrought Iron Style Gate

Optional FreeStanding Garden Block

Column Cap

Column Block

42"

Footing bearing material shall be granular and compacted to 95% of standard proctor, 90% of the modified proctor or in-situ compacted and tested to ensure adequate bearing capacity.

Wrought Iron Style Gate

Column Cap

Column Block

Split Rail Fence (Wood or Concrete)

Footing bearing material shall be granular and compacted to 95% of standard proctor, 90% of the modified proctor or in-situ compacted and tested to ensure adequate bearing capacity.
Columns with Entry Gate

Column Block

Column Cap

One block buried

Footing bearing material shall be granular and compacted to 95% of standard proctor, 90% of modified proctor, or in-situ compacted and tested to ensure adequate bearing capacity.

COMPANY SIGN

Freestanding Blocks

COMPANY SIGN

Footing bearing material shall be granular and compacted to 95% of standard proctor, 90% of modified proctor, or in-situ compacted and tested to ensure adequate bearing capacity.

Place rebar in column core and fill with concrete (Typical for all columns)

SECTION A-A
QUARRIED PAVER SERIES

PAVERS COME STANDARD WITH SMOOTH SIDES. ANY SIDE CAN BE REPLACED WITH TEXTURED SURFACE. MOST COMMONLY USED PAVERS ARE SHOWN BELOW.

6' Pavers

Volume = 7.93 ft³
Weight = ± 1,134 lb

4' Pavers

Volume = 5.28 ft³
Weight = ± 755 lb

Curved Sidewalk Paver

Volume = 6.61 ft³
Weight = ± 945 lb

Triangle Paver

Volume = 2.63 ft³
Weight = ± 376 lb

Embedments or openings may be placed at any location.

NOTES:
Volume based on pavers as shown.
Actual weights and volumes may vary.
Weight shown is based on 143 lb/ft³ concrete.
Four Block Shapes - Multiple Designs

4' Paver Layout Options

- Triangle Paver
- 6' Paver
- 7'-6" Inside Radius
- 11'-6" Outside Radius
- Curved Sidewalk Paver
- 4' Paver
- Step Block

Paver Installation

- DETAIL A
  - 12H : 1V Slope
- DETAIL B
  - 1" to 1 1/2" compacted sand screed smooth for bedding pavers.

4" footing bearing material shall be gravel compacted to 95% of standard proctor (or as specified by engineer)
Pavers may be placed using slings. After placing paver and removing slings, one may nudge pavers into final position with an excavator. Self-aligning interlocking tabs and grooves assure a proper fit.
Check with your local authorized Redi-Rock® Manufacturer for Product Availability
**PANEL WALL SERIES**

**Panel**
- Volume = 18.6 cft
- Weight = ± 2660 lbs

**End Column**
- Volume = 6.7 cft
- Weight = ± 960 lbs

**Inline Column**
- Volume = 6.2 cft
- Weight = ± 890 lbs

**90° Column**
- Volume = 6.2 cft
- Weight = ± 890 lbs

**Four-Sided Column**
- Volume = 7.2 cft
- Weight = ± 1030 lbs

**Column Cap**
- Volume = 1.2 cft
- Weight = ± 170 lbs
- **RECESS GROOVE**
  - FOR COLUMN / ROD CONNECTION
  - ± 24 1/8” (Texture Varies)

**NOTES:**

Volume calculations are based on the blocks as shown.
Actual weights and volumes may vary.
Weight shown is based on 143 pcf concrete.

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**DOCUMENTS**

**Redi-Rock® International, LLC**

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<table>
<thead>
<tr>
<th>DATE</th>
<th>NAME</th>
<th>SHEET</th>
<th>PAGE</th>
</tr>
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<tbody>
<tr>
<td>01/12/10</td>
<td>J. JOHNSON</td>
<td>1</td>
<td>1</td>
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</table>
FOUNDATION DETAILS

<table>
<thead>
<tr>
<th>WALL HEIGHT</th>
<th>FOOTING DEPTH</th>
<th>FOOTING DIA.</th>
<th>COLUMN SIZE</th>
<th>COLUMN / FOOTING SPACING</th>
<th>1&quot; DIAMETER GALVANIZED ROD</th>
</tr>
</thead>
<tbody>
<tr>
<td>3'-0&quot;</td>
<td>4'-0&quot;</td>
<td>2'-6&quot;</td>
<td>20&quot; x 20&quot; x 36&quot;</td>
<td>13'-8&quot; O.C.</td>
<td>8'-0&quot; LONG (3'-2&quot; EXPOSED)</td>
</tr>
<tr>
<td>6'-0&quot;</td>
<td>6'-6&quot;</td>
<td>2'-6&quot;</td>
<td>20&quot; x 20&quot; x 36&quot;</td>
<td>13'-8&quot; O.C.</td>
<td>13'-8&quot; LONG (6'-2&quot; EXPOSED)</td>
</tr>
<tr>
<td>9'-0&quot;</td>
<td>8'-0&quot;</td>
<td>2'-6&quot;</td>
<td>20&quot; x 20&quot; x 36&quot;</td>
<td>13'-8&quot; O.C.</td>
<td>17'-6&quot; LONG (6'-2&quot; EXPOSED)</td>
</tr>
</tbody>
</table>

FOUNDATION DESIGN BASED ON 90 mph WIND AND NOTED SOIL CONDITIONS.
# REDI-ROCK PRECAST PANEL

## REINFORCEMENT DETAILS - 90 mph MAXIMUM WIND SPEED

<table>
<thead>
<tr>
<th>WIND SPEED</th>
<th>HORIZONTAL REINFORCEMENT</th>
<th>VERTICAL REINFORCEMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 mph *</td>
<td>(3) #4 BARS, 12'-0&quot; LONG, AT 15&quot; O.C.</td>
<td>(9) #4 BARS, 2'-8&quot; LONG, AT 18&quot; O.C.</td>
</tr>
<tr>
<td>150 mph</td>
<td>(5) #4 BARS, 12'-0&quot; LONG, AT 7 1/2&quot; O.C.</td>
<td>(9) #4 BARS, 2'-8&quot; LONG, AT 18&quot; O.C.</td>
</tr>
</tbody>
</table>

* ALTERNATE REINFORCEMENT FOR 90 mph WIND = 6 x 6 - W5.5 x W5.5 WELDED WIRE FABRIC

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## FOOTING AND LEVELING PAD DETAILS

![Diagram of footing and leveling pad details]

- **REDI-ROCK WALL PANEL** (12'-3" x 36" x ±6½")
- **REDI-ROCK COLUMN BLOCKS** (27" x 20" x 36" HIGH)
- **20" x 20" x 6" HIGH LEVELING PAD FORMED IN TOP OF CONCRETE FOOTING**
- **OPTIONAL GROOVE CAN BE CAST INTO LEVELING PAD TO ALLOW PANEL STEP DOWN FOR WALL INSTALLATION ON SLOPING GROUND** (GROOVE MADE WITH ADJUSTABLE INSERT IN LEVELING PAD FORM)
- **30" DIAMETER CONCRETE FOOTING** (DEPTH IS MEASURED FROM BOTTOM OF LEVELING PAD AND VARIES PER DESIGN)

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**REDI-ROCK® International, LLC**

**J. JOHNSON**

**CHECKED BY**

**APPROVED BY**

**DRAWING TITLE**

Panel Wall - 20 in Column - Details 012008.dwg

**REVISION**

**ISSUE DATE**

March 2011

**SCALE**

NO SCALE

**DRAWN:**

**DESIGN:**

2 OF 2

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Redi-Rock International

June 2011