COLUMN CAP (CAP IS RECESSED FOR COLUMN CONNECTION)

RED-Rock COLUMN BLOCKS (20" x 20" x 36" HIGH)

RED-Rock WALL PANEL (12-3" x 36" x ±8½")

GROOVE CAN BE CAST IN LEVELING PAD TO ALLOW PANEL TO STEP DOWN FOR INSTALLATION ON SLOPING GROUND

CONCRETE LEVELING PAD FORMED IN TOP OF CONCRETE FOOTING TO ESTABLISH COLUMN LOCATION AND ELEVATION

30" DIA. CONCRETE FOOTINGS

1" DIA. GALVANIZED STEEL ROD PLACED IN CENTER OF CONCRETE FOOTING AND THROUGH HOLE IN CENTER OF COLUMN BLOCKS (MINIMUM LENGTHS AS NOTED IN FOUNDATION DETAILS CHART)

PANEL WALL - SECTION

NO SCALE

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'-6&quot;</td>
<td>2'-6&quot;</td>
<td>20&quot; x 20&quot; x 36&quot;</td>
<td>13'-6&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'-6&quot; O.C.</td>
<td>13'-0&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'-6&quot; O.C.</td>
<td>17'-6&quot; LONG (9'-2&quot; EXPOSED)</td>
</tr>
</tbody>
</table>

FOUNDATION DESIGN BASED ON 90 mph WIND AND NOTED SOIL CONDITIONS.

COLUMN CONNECTION DETAILS

NO SCALE

1" DIA. GALVANIZED STEEL ROD WITH THREADED END

RECESSED POCKET WITH LIFTING CABLE

C 4x7.25 CHANNEL, 12" LONG

1 1/2" Ø HOLE IN CENTER

Panel Wall 20" Column Details

DRAWN BY: JRJ
APPROVED BY: JRJ
DATE: 06-22-2015
SHEET: 1 of 2
FILE: 5 Panel Wall 20in Column Details 062215.dwg
# 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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![Diagram of Redi-Rock Precast Panel](image)

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**Footing and Leveling Pad Details**

- **Redi-Rock Wall Panel**
  - (12'-3" x 36" x ±6 1/2")

- **Redi-Rock Column Blocks**
  - (20" x 20" x 36" High)

- 20" x 20" x 9" 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)