90° Outside Corner

Isometric View of Corner

The top row of blocks in this diagram are shown in red. They have been cutout in line with their bottom grooves to show how they fit with the knobs on the bottom row of blocks.

10" (254 mm) knob is fully engaged

Non-woven geotextile fabric in all joints between blocks (Typical)

90 Degree Corner block

Top View of Bottom Two Rows

This drawing is for reference only. Determination of the suitability and/or manner of use of any details contained in this document is the sole responsibility of the design engineer of record. Final project designs, including all construction details, shall be prepared by a licensed professional engineer using the actual conditions of the proposed site.
Note: Top row of blocks are shown in RED and have been cutout to show location of knobs on bottom row of blocks.

Remove part of 10" knob with chisel saw to allow for proper alignment.

Alternate construction practice would be to offset freestanding block ±1" to avoid cutting knob. Note, this will result in a small offset to the bond beam down the wall.

41" or 28" Series Block with 10" Knobs (41" Block Shown)

Freestanding Corner Block with 6" Knobs

TOP VIEW
(NO SCALE)

Cut 10" knob to fit within groove

6" Knob

1 3/4"

SIDE VIEW
(NO SCALE)
90° OUTSIDE CORNER (60" BLOCKS)

SECOND LEVEL BLOCKS

FIRST LEVEL BLOCKS

CUT EDGE OF 10" KNOB ON 41" BLOCK AND 6" KNOB ON CORNER BLOCK WITH CHOP SAW TO PROVIDE CLEARANCE FOR BLOCKS IN THE NEXT LAYER.
90° Inside Corner (41" and 28" Series)

90° Inside Corner with Planter Blocks (41" Series)

90° Outside Corner with Planter Blocks (41" Series)

90° Corner Options
Double 90° Outside Corner - Short Block Solution

Corner Block (Typical)

Short Block (Typical)

Retaining block (Typical)

Alternate long and short face of Freestanding Corner block on either end of row for proper spacing (Typical)

Short Block Requirements
(1) Short Block on the 2ND Row
(2) Short Blocks on the 3RD Row
(3) Short Blocks on the 4TH Row
(4) Additional Short Block For Every Additional Row to the Top of the Wall

This drawing is for reference only. Determination of the suitability and/or manner of use of any details contained in this document is the sole responsibility of the design engineer of record. Final project designs, including all construction details, shall be prepared by a licensed professional engineer using the actual conditions of the proposed site.
Double 90° Inside Corners

Build Back Wall First

Free Standing Corner Blocks
On Outside Corners

Use Half Blocks To Butt Into Back Wall
90° Outside Corner for 9" (230 mm) Setback Walls

Recess pocket and lifting insert may be visible
Options: Fill with tinted mortar or use custom blocks without top lifter if desired (Typical)

Freestanding Corner Top Block (Typical)

Special 9" (230 mm) Setback Block with 7 1/2" (190 mm) diameter knobs (Typical)

Multiple Row Installation

Untextured top of block and stone infill between adjacent blocks will be visible (Typical)

The top row of blocks in this diagram have been cutout in line with their bottom grooves to show how they fit with the knobs on the bottom row of blocks.

10" (254 mm) knob fully engaged with the groove on the block above (Typical)

7 1/2" (190 mm) knobs do not interfere with the groove on the block above (Typical)

Special 9" (230 mm) setback block with 7 1/2" (190 mm) knobs (Typical)

Top View of Bottom Two Rows

This drawing is for reference only. Determination of the suitability and/or manner of use of any details contained in this document is the sole responsibility of the design engineer of record. Final project designs, including all construction details, shall be prepared by a licensed professional engineer using the actual conditions of the proposed site.
Double 90° Outside Corner for 9" (230 mm) Setback Walls

1st Row Installation

9" (230 mm) Setback 27 3/4" (695 mm) Short block (Typical)

Alternate long and short face of Freestanding Corner Top block on either end of row for proper spacing (Typical)

Untextured top of block and stone infill between adjacent blocks will be visible (Typical)

2nd Row Installation

9" (230 mm) Setback block with 7 1/2" (190 mm) diameter knobs (Typical)

3rd Row Installation

Stagger Short block spacing as needed to help maintain running bond installation pattern as close as possible

4th Row Installation

Short Block Requirements
(1) 9" (230 mm) Setback Short block on the 2nd row
(2) 9" (230 mm) Setback Short block on the 3rd row
(3) 9" (230 mm) Setback Short block on the 4th row
(1) Additional 9" (230 mm) Setback Short block for every additional row to the top of the wall

This drawing is for reference only. Determination of the suitability and/or manner of use of any details contained in this document is the sole responsibility of the design engineer of record. Final project designs, including all construction details, shall be prepared by a licensed professional engineer using the actual conditions of the proposed site.
VERTICAL END OF WALL
USED WHEN WALL ABUTS AN EXISTING STRUCTURE

HALF MIDDLE BLOCK
(NO POSITIVE CONNECTION
SLOT IN HALF BLOCK)

MIDDLE BLOCK

BOTTOM BLOCK

START CONSTRUCTION AT
VERTICAL END OF WALL
90° Battered Corner - Flush End

Notes:
- Wall is flush with building.
- Rows 2, 4, 6, and 8 require approximately 1/8" (3 mm) gaps between blocks for length of wall given.
- Solution shown based on a 24" (610 mm) wide corner block.

<table>
<thead>
<tr>
<th>Row</th>
<th>Short Blocks Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>2 and 3</td>
<td>1 per Row</td>
</tr>
<tr>
<td>4 and 5</td>
<td>2 per Row</td>
</tr>
<tr>
<td>6 and 7</td>
<td>3 per Row</td>
</tr>
<tr>
<td>8</td>
<td>4 per Row</td>
</tr>
</tbody>
</table>

This drawing is for reference only. Determination of the suitability and/or manner of use of any details contained in this document is the sole responsibility of the design engineer of record. Final project designs, including all construction details, shall be prepared by a licensed professional engineer using the actual conditions of the proposed site.
45° OUTSIDE CORNER
RADIAL SOLUTION
(41" AND 28" SERIES)

PLACE BOTTOM ROW OF BLOCKS ACCORDING TO MINIMUM RADIUS REQUIREMENTS

MINIMUM RADIUS AND OFFSET FOR BOTTOM ROW

<table>
<thead>
<tr>
<th>NUMBER OF COURSES</th>
<th>HEIGHT OF BLOCKS</th>
<th>RADIUS FROM FACE OF BLOCK</th>
<th>OFFSET</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1'-6&quot;</td>
<td>14'-6&quot;</td>
<td>± 14 3/8&quot;</td>
</tr>
<tr>
<td>2</td>
<td>3'-0&quot;</td>
<td>14'-8&quot;</td>
<td>± 14 1/2&quot;</td>
</tr>
<tr>
<td>3</td>
<td>4'-0&quot;</td>
<td>14'-10&quot;</td>
<td>± 14 3/8&quot;</td>
</tr>
<tr>
<td>4</td>
<td>6'-0&quot;</td>
<td>15'-0&quot;</td>
<td>± 14 1/2&quot;</td>
</tr>
<tr>
<td>5</td>
<td>7'-0&quot;</td>
<td>15'-2&quot;</td>
<td>± 15&quot;</td>
</tr>
<tr>
<td>6</td>
<td>8'-0&quot;</td>
<td>15'-4&quot;</td>
<td>± 15 3/8&quot;</td>
</tr>
<tr>
<td>7</td>
<td>9'-0&quot;</td>
<td>15'-6&quot;</td>
<td>± 15 1/2&quot;</td>
</tr>
<tr>
<td>8</td>
<td>12'-0&quot;</td>
<td>15'-8&quot;</td>
<td>± 15 3/8&quot;</td>
</tr>
<tr>
<td>9</td>
<td>13'-0&quot;</td>
<td>15'-10&quot;</td>
<td>± 15 1/2&quot;</td>
</tr>
<tr>
<td>10</td>
<td>15'-0&quot;</td>
<td>16'-0&quot;</td>
<td>± 16 1/4&quot;</td>
</tr>
<tr>
<td>11</td>
<td>16'-4&quot;</td>
<td>16'-2&quot;</td>
<td>± 16&quot;</td>
</tr>
<tr>
<td>12</td>
<td>18'-0&quot;</td>
<td>16'-4&quot;</td>
<td>± 16 1/2&quot;</td>
</tr>
<tr>
<td>13</td>
<td>19'-5&quot;</td>
<td>16'-6&quot;</td>
<td>± 16 3/8&quot;</td>
</tr>
<tr>
<td>14</td>
<td>21'-0&quot;</td>
<td>16'-8&quot;</td>
<td>± 16 1/2&quot;</td>
</tr>
</tbody>
</table>

FIRST ROW

OFFSET FROM THEORETICAL CORNER (SEE CHART)

ROTATE BLOCKS AND MOVE FORWARD TO FULLY ENGAGE BOTH KNOBS BELOW (TYPICAL)

SECOND ROW

OFFSET

RUNNING BOND-shifts ±1 1/4" FURTHER WITH EVERY ROW

COMPLETED CORNER

±1 3/8"

±1 1/4"
Transitions Into Planters

One knob on each block must be removed from the planter blocks at the transition into and out of planters. Planter transitions will alter the bond (vertical joint) alignment from course to course.

Full and Half Corner Blocks

This drawing is for reference only. Determination of the suitability and/or manner of use of any details contained in this document is the sole responsibility of the design engineer of record. Final project designs, including all construction details, shall be prepared by a licensed professional engineer using the actual conditions of the proposed site.
Steps Through Wall

Freestand Blocks or Retaining Blocks (Per Design)

Retaining Wall Blocks (Per Design)

Step Blocks Placed Tight Against Wall Return Wall, Field Cut Step Blocks to Fit When Return Wall Has Batter

Slope 1%-2% for Drainage

Approach Grade

6" TYP.

12" min.

6" Compacted Granular Base Below Steps

**Stair Section**

This drawing is for reference only. Determination of the suitability and/or manner of use of any details contained in this document is the sole responsibility of the design engineer of record. Final project designs, including all construction details, shall be prepared by a licensed professional engineer using the actual conditions of the proposed site.