## $90^{\circ}$ 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.


Top View of Bottom Two Rows

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| APPROVED BY: | JRJ |  |  |  |
| DATE: | 17MAR2016 |  |  |  |
| SHEET: | 1 of 1 | FILE: | 190 deg Outside Corner Detail -Corner Block 031716.dwg |  |

## 90 ㅇUTSIDE CORNER DETAIL (41" AND 28" SERIES)

Note: Top row of blocks are shown in RED and have been cutout to show location of knobs on bottom row of blocks
of $10^{\prime \prime}$ knob with chop saw to allow for proper alignment

Remove part of 6" knob with chop saw to allow for proper alignment.

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


SIDE VIEW
(NO SCALE)

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| DATE: | 06-22-2015 |  | Trimmed Knob Option |  |
| SHEET: | 1 of 1 | FILE: | 2 90deg Outside Corner Detail - Trimmed Knob 062215.dwg |  |

## $90^{\circ}$ OUTSIDE CORNER (60" BLOCKS)



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| SHEET: | 1 of 1 | FILE: | 3 90deg Outside Corner Detail - 60in Blocks 062215.dwg |  |

## $90^{\circ}$ Inside Corner (41" and 28" Series)



## $90^{\circ}$ Inside Corner with Planter Blocks (41" Series)



## $90^{\circ}$ Outside Corner with Planter Blocks (41" Series)



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| SHEET: | 1 of 1 | FILE: | 4 90deg Corner Options 062215.dwg |  |

Double $90^{\circ}$ Outside Corner - Short Block Solution


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| SHEET: | 1 of 1 | FILE: | 6 Double 90deg Inside Corners 062215.dwg |  |

## $90^{\circ}$ Outside Corner for 9 " (230 mm) Setback Walls



Top View of Bottom Two Rows

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| SHEET: | 1 of 1 | FILE: | 7 90deg Outside Corner - 9in Setback Walls 062215.dwg |  |

Double $90^{\circ}$ Outside Corner for 9" (230 mm) Setback Walls


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| SHEET: | 1 of 1 | FILE: | 8 Double 90deg Outside Corner - 9in Setback 062215.dwg |  |

## $90^{\circ}$ Battered Corner - Flush End

## Notes:

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


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| :---: | :---: | :---: | :---: |
| APPROVED BY: | JRJ |  | $\square$ ¢ + ¢ $\square$ |
| DATE: | 06-22-2015 |  | 05481 US 31 SOUTH, CHARLEVOIX, MI 49720 |
| SHEET; | 1 of 1 | FILE: 10 90deg Battered Corner - Flush End 062215.dwg | (866) 222-8400 ext 3010 - engineering@redi-rock.com www.redi-rock.com |

## $90^{\circ}$ Vertical Corner - Flush End



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| DATE: | 06-22-2015 |  |  |
| SHEET: | 1 of 1 | FILE: $\quad 11$ 90deg Vertical Corner - Flush End 062215.dwg |  |

## $45^{\circ}$ OUTSIDE CORNER RADIAL SOULTION <br> (41" AND 28" SERIES)



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| DATE: | 06-22-2015 |  | Radial Solution |  |
| SHEET: | 1 of 1 |  | 12 Outside Corner Radial Solution 062215.dwg |  |



## 52" (1320 mm) XL BLOCKS

Note: Upper row of block shown in color, with cut-out at shear groove location to illustrate engagement with and location of shear knobs on underlying row (shown in gray).


Even Row

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| DRAWN BY: | NWL | $\begin{gathered} \text { XL 90-Degree Outside Corner } \\ \text { Detail } \end{gathered}$ | $\sqrt{7}$ |
| :---: | :---: | :---: | :---: |
| APPROVED BY: | JRJ |  |  |
| DATE: | 19JUN2019 |  | 05481 US 31 SOUTH, CHARLEVOIX, MI 49720 |
| SHEET: | 1 of 2 | FILE: XL 52 outside corner details 061919.dwg | (866) 222-8400 ext 3010 • engineering@redi-rock.com www.redi-rock.com |







## INSIDE CORNER | ABUTTED OPTION

Note: Upper row of block shown in color, with cut-out at shear groove location to illustrate engagement with, and location of, shear knobs on underlying row (shown in gray).


Trim texture or offset upper 60-inch ( 1520 mm ) block to split gap created by XL face texture. Place non-woven geotextile fabric between adjacent
blocks at face.
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| SHEET: | 1 of 2 | FILE: | XL inside corner abutted details 061819.dwg |  |

## INSIDE CORNER | ABUTTED OPTION



72" (1830 mm) block shown to illustrate concept. Concept applies to other XL block sizes.

Front View

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| DATE: | 18JUN2019 |  | I Det |  |
| SHEET: | 2 of 2 | FILE: | XL inside corner abutted details 061819.dwg |  |

## INSIDE CORNER | INTERLACED OPTION

Note: Upper row of block shown in color, with cut-out at shear groove location to illustrate engagement with, and location of, shear knobs on underlying row (shown in gray).


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| SHEET: | 1 of 2 | FILE: | XL inside corner interlaced details 061819.dwg |  |

## INSIDE CORNER | INTERLACED OPTION



72" (1830 mm) block shown to illustrate concept. Concept applies to other XL block sizes.

Front View

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| APPROVED BY: | JRJ |  |  |  |
| DATE: | 18JUN2019 |  | Corner De |  |
| SHEET: | 2 of 2 | FILE: | XL inside corner interlaced details 061819.dwg |  |



## BLOCK LAYOUT FOR $90^{\circ}$ OUTSIDE CORNER

THE TOP ROW OF BLOCKS 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 BLOCK.

THE GEOGRID STRIPS ARE NOT SHOWN FOR CLARITY.


TOP VIEW OF CORNER


3D VIEW OF CORNER

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| DATE: | JAN. 28, 2015 |  |  |
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BLOCK PLACEMENT - SECOND ROW

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| DATE: | JAN. 28, 2015 |  |  |
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## Layout for Convex Curves and Radial Corners



Minimum radius for bottom row

| Number of courses | Height of wall | Radius from face of block | Distance between blocks* |
| :---: | :---: | :---: | :---: |
| 1 | 1'-6" (0.46 m) | 14'-6" (4.42 m) | 0.13" (3 mm) |
| 2 | 3'-0" (0.91 m) | 14'-8" (4.47 m) | 0.21" (5 mm) |
| 3 | 4'-6" (1.37 m) | 14'-10" (4.52 m) | 0.28" (7 mm) |
| 4 | 6'-0' (1.83 m) | 15'-0" (4.57 m) | 0.36" (9 mm) |
| 5 | 7'-6" (2.29 m) | 15'-2" (4.62 m) | 0.43 " (11 mm) |
| 6 | 9'-0' (2.74 m) | 15'-4" (4.67 m) | 0.50" (13 mm) |
| 7 | 10'-6" (3.20 m) | 15'-6" (4.72 m) | $0.57{ }^{\prime \prime}(15 \mathrm{~mm})$ |
| 8 | 12'-0" (3.66 m) | 15'-8" (4.78 m) | 0.63" (16 mm) |
| 9 | 13'-6" (4.11 m) | 15'-10" (4.83 m) | 0.70 " (18 mm) |
| 10 | 15'-0" (4.57 m) | 16'-0" (4.88 m) | $0.76{ }^{\prime \prime}(19 \mathrm{~mm})$ |
| 11 | 16'-6" (5.03 m) | 16'-2" (4.93 m) | 0.83" (21 mm) |
| 12 | 18'-0" (5.49 m) | 16'-4" (4.98 m) | 0.88" (22 mm) |
| 13 | 19'-6" (5.94 m) | 16'-6" (5.03 m) | $0.95{ }^{\prime \prime}(24 \mathrm{~mm})$ |
| 14 | 21'-0" (6.40 m) | 16'-8" (5.08 m) | 1.01" (26 mm) |

$14^{\prime}-6$ " (4.42 m) is the minimum radius for Redi-Rock blocks. It occurs when all the blocks are placed tight together. A larger radius is required on the bottom row of a Redi-Rock wall to account for the batter between courses of blocks and still provide enough space to construct the top row of blocks.

*Distance between blocks is measured at the back of $28^{\prime \prime}(710 \mathrm{~mm})$ blocks and 24 " ( 610 mm ) behind the form parting line (back edge of face texture) for 41 " ( 1030 mm ) blocks. This distance is intended to be a guide only. Minimum radius is controlling.

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| :---: | :---: | :---: | :---: | :---: |
| APPROVED BY: | DLH |  |  |  |
| DATE: | 06-24-2021 |  |  |  |
| SHEET: | 1 of 1 | FILE: | Radial Corners Layout 062215.dwg |  |

Freestanding Variable Radius Curve


NOTE: LAYOUT OF CONVEX CURVE SHOWN. FOR CONCAVE CURVES, BLOCKS WILL BE CUT AT THE WALL FACE.

FREESTANDING VARIABLE RADIUS UNIT ABUTS TIGHTLY TOGETHER AFTER FIELD CUTTING THIN FACE TEXTURE PORTION AT BACK OF BLOCK

RADIUS OF FREESTANDING VARIABLE RADIUS UNIT MATCHES RADIUS OF TOP RETAINING BLOCK ROW AND ANY ADDITIONAL FREESTANDING ROWS ABOVE. FREESTANDING UNITS DO NOT HAVE A SETBACK PER BLOCK COURSE.


NOTE: 14 FT - 6 IN (4.42M) MINIMUM RADIUS OF TOP RETAINING ROW APPLIES TO 5 DEGREE BLOCK SETBACK. REFER TO RADIAL CORNERS GRAVITY LAYOUT DETAIL FOR ADDITIONAL MINIMUM RADIUS INFORMATION.

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| APPROVED BY: | DC |  |  |
| DATE: | 09/07/2023 |  |  |
| SHEET: | 1 of 1 | FILE: Freestanding_Variable_Radius_Curve.dwg |  |

