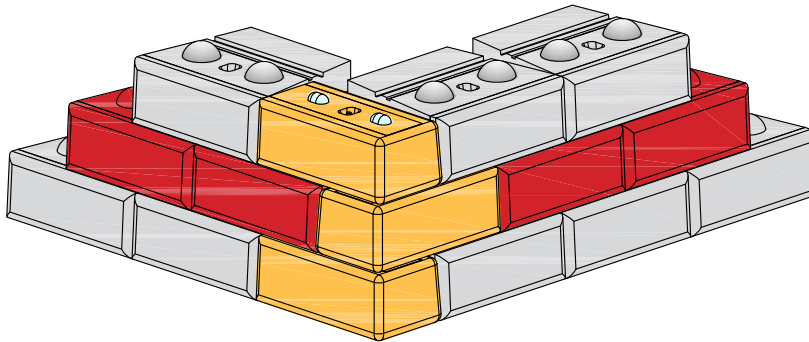
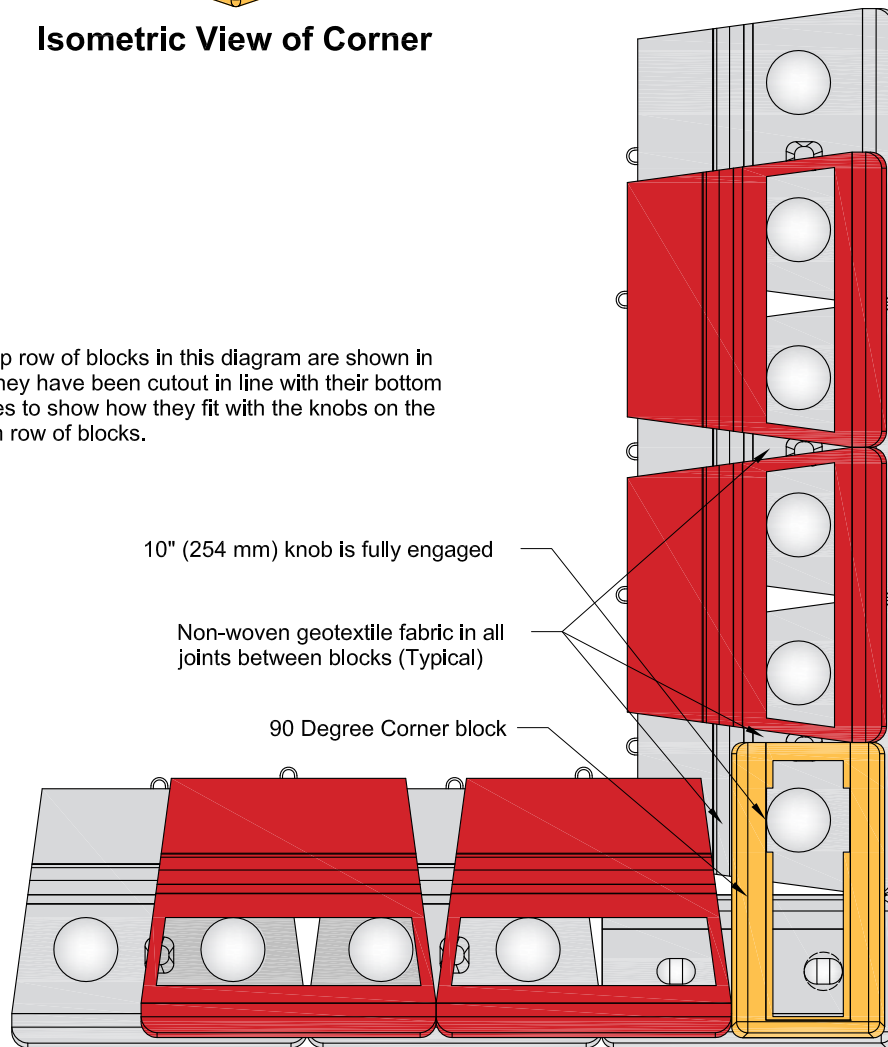


90° Outside Corner




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.



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.

DRAWN BY:	JRJ	TITLE: 90° Outside Corner Detail 90° Corner Block Option	 05481 US 31 SOUTH, CHARLEVOIX, MI 49720 (866) 222-8400 ext 3010 • engineering@redi-rock.com www.redi-rock.com
APPROVED BY:	JRJ		
DATE:	17MAR2016		
SHEET:	1 of 1	FILE: 1 90deg Outside Corner Detail -Corner Block 031716.dwg	

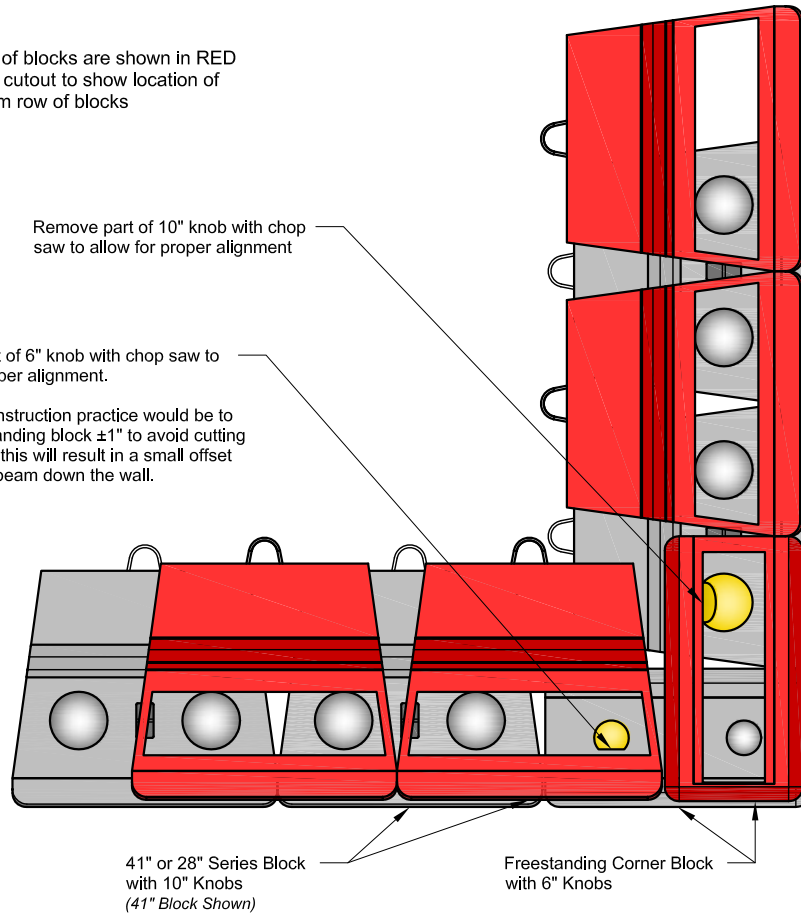
90° OUTSIDE CORNER DETAIL (41" AND 28" SERIES)

Note: Top row of blocks are shown in RED and have been cutout to show location of knobs on bottom row of blocks

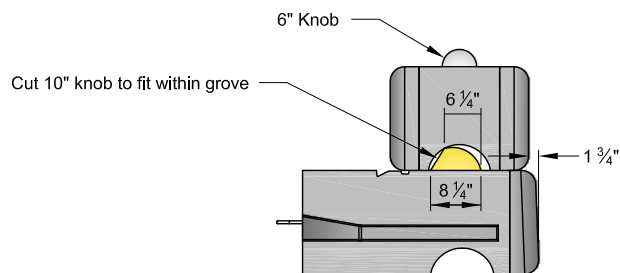
Remove part of 10" knob with chop saw to allow for proper alignment

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.



TOP VIEW
(NO SCALE)



SIDE VIEW
(NO SCALE)

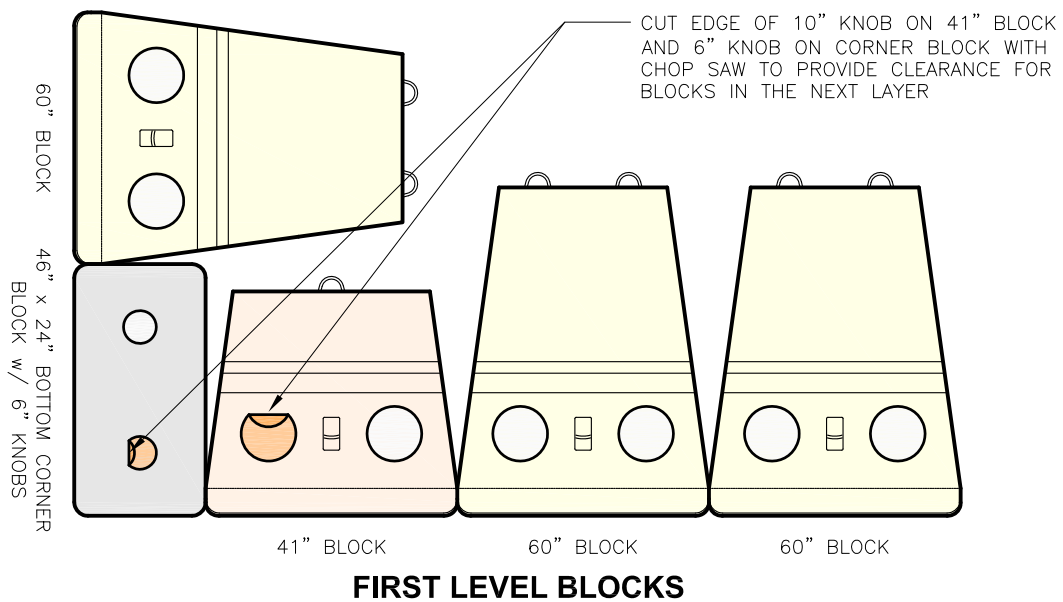
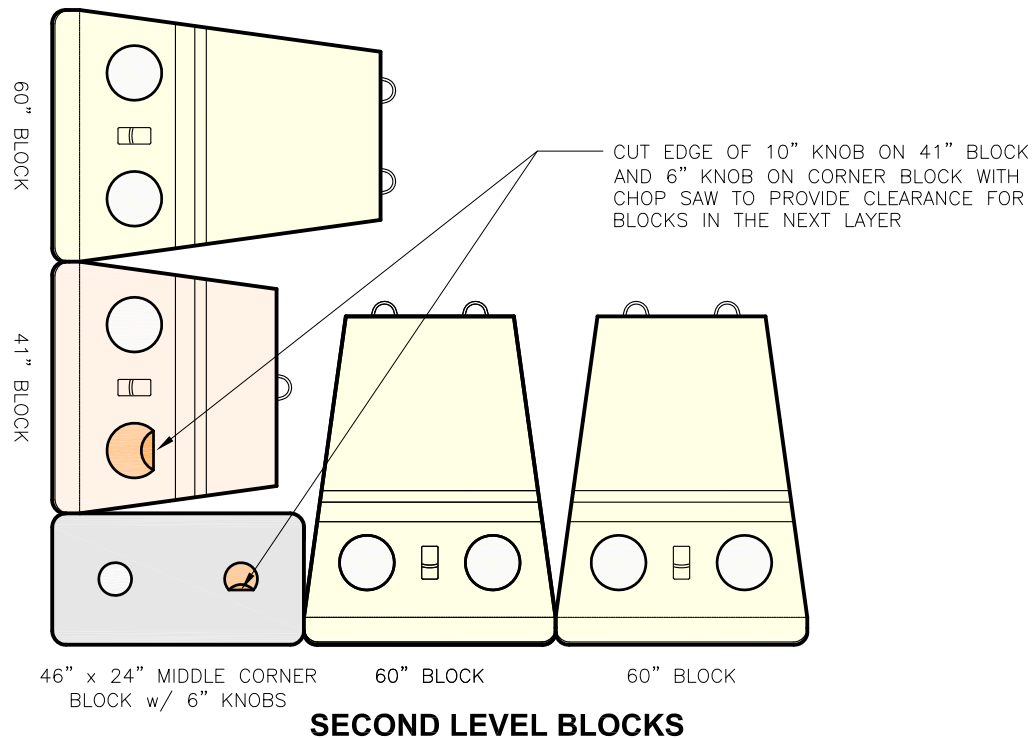
DRAWN BY:	JRJ
APPROVED BY:	JRJ
DATE:	06-22-2015
SHEET:	1 of 1

TITLE:	90° Outside Corner Detail Trimmed Knob Option
FILE:	

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90° OUTSIDE CORNER (60" BLOCKS)



DRAWN BY: JRJ

APPROVED BY: JRJ

DATE: 06-22-2015

SHEET: 1 of 1

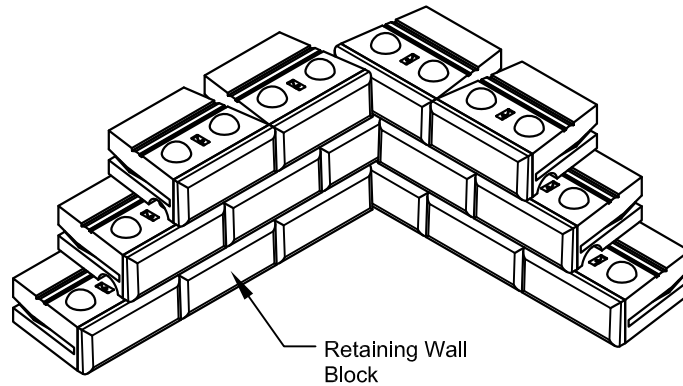
TITLE: 90° Outside Corner Detail
60" Blocks

FILE: 3 90deg Outside Corner Detail - 60in Blocks 062215.dwg

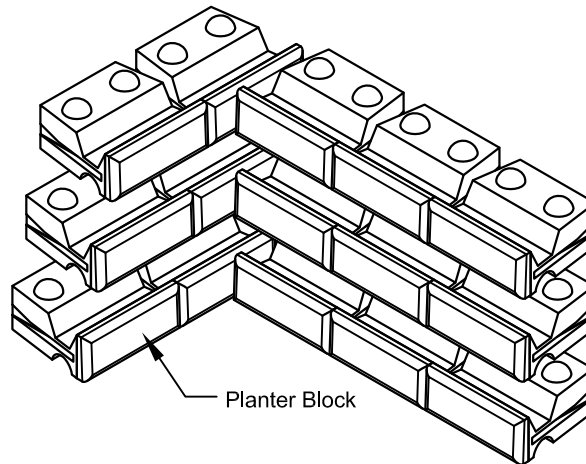
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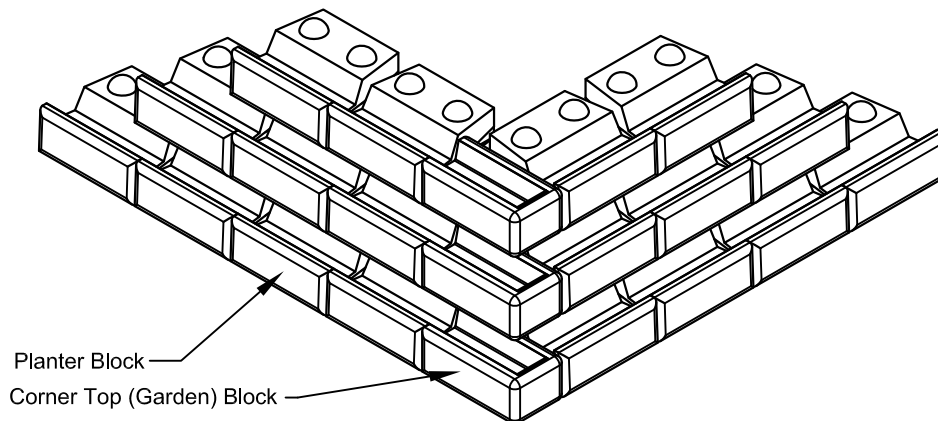
90° Inside Corner (41" and 28" Series)



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



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



DRAWN BY: JRJ
 APPROVED BY: JRJ
 DATE: 06-22-2015
 SHEET: 1 of 1

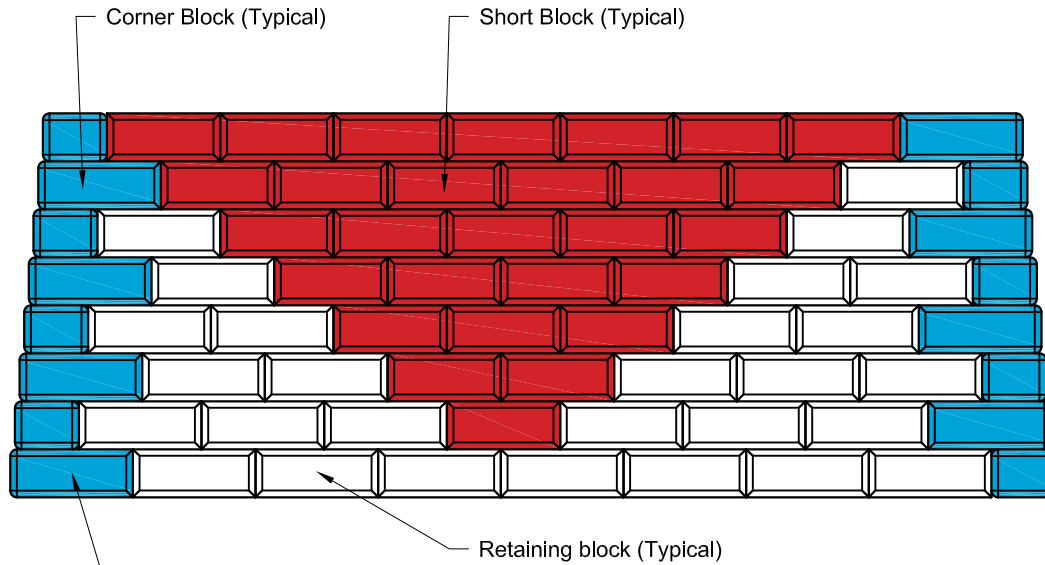
TITLE:

90° Corner Options

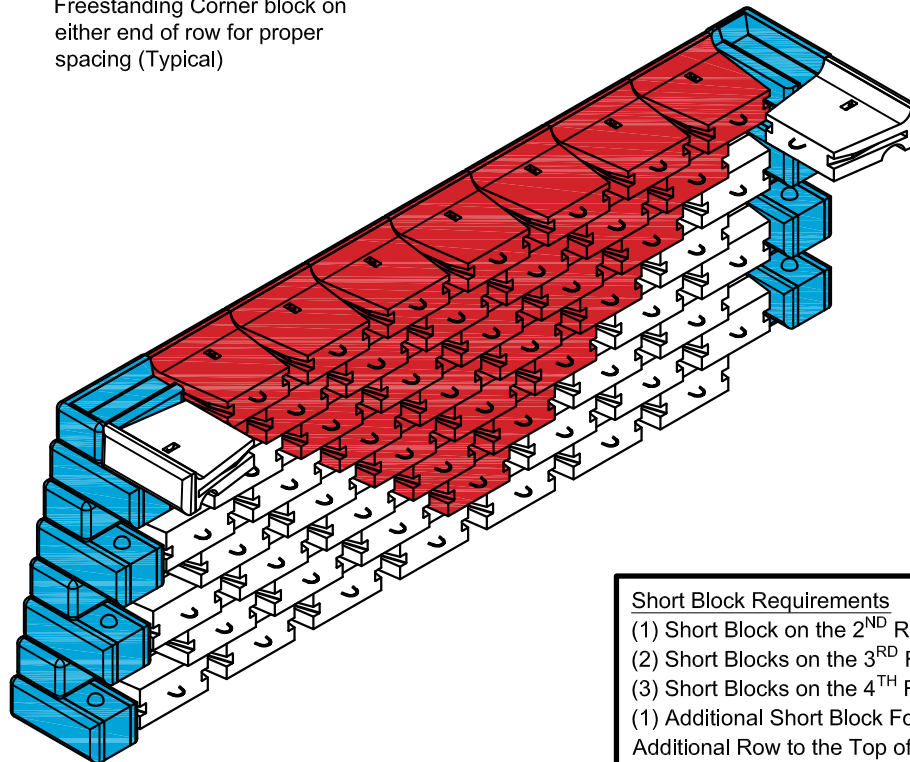
FILE: 4 90deg Corner Options 062215.dwg

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Double 90° Outside Corner - Short Block Solution




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

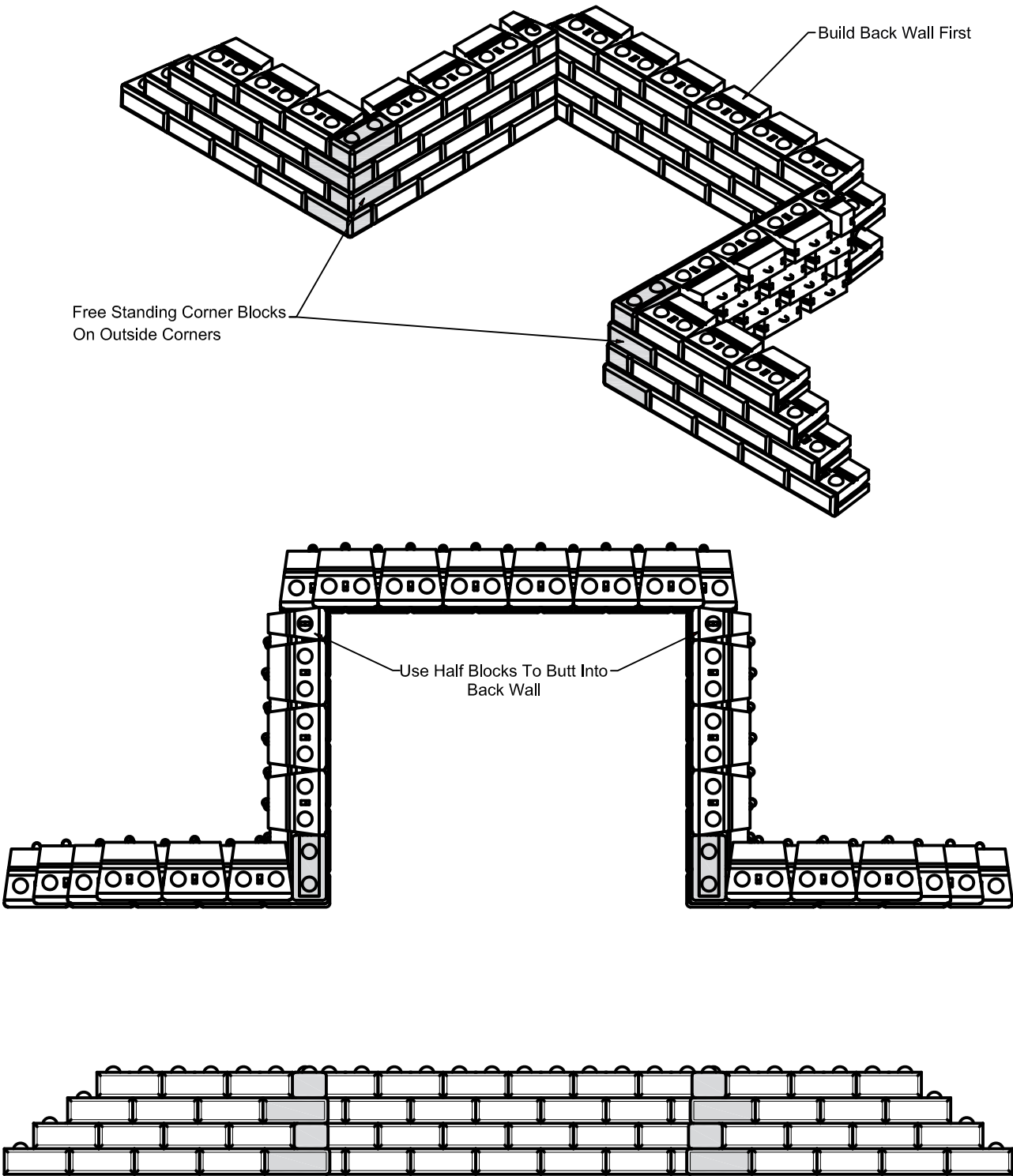


- Short Block Requirements**
- (1) Short Block on the 2ND Row
 - (2) Short Blocks on the 3RD Row
 - (3) Short Blocks on the 4TH Row
 - (1) Additional Short Block For Every Additional Row to the Top of the Wall

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DRAWN BY:	JRJ	TITLE: Double 90° Outside Corner Short Block Solution	
APPROVED BY:	JRJ		
DATE:	06-22-2015		
SHEET:	1 of 1	FILE: 5 Double 90deg Outside Corner - Short Block 062215.dwg	05481 US 31 SOUTH, CHARLEVOIX, MI 49720 (866) 222-8400 ext 3010 • engineering@redi-rock.com www.redi-rock.com

Double 90° Inside Corners



DRAWN BY:	JRJ
APPROVED BY:	JRJ
DATE:	06-22-2015
SHEET:	1 of 1

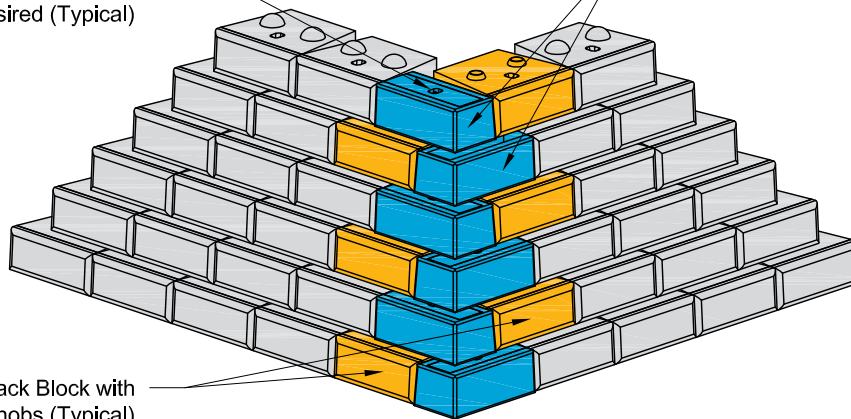
TITLE:	Double 90° Inside Corners
FILE:	6 Double 90deg Inside Corners 062215.dwg

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90° Outside Corner for 9" (230 mm) Setback Walls

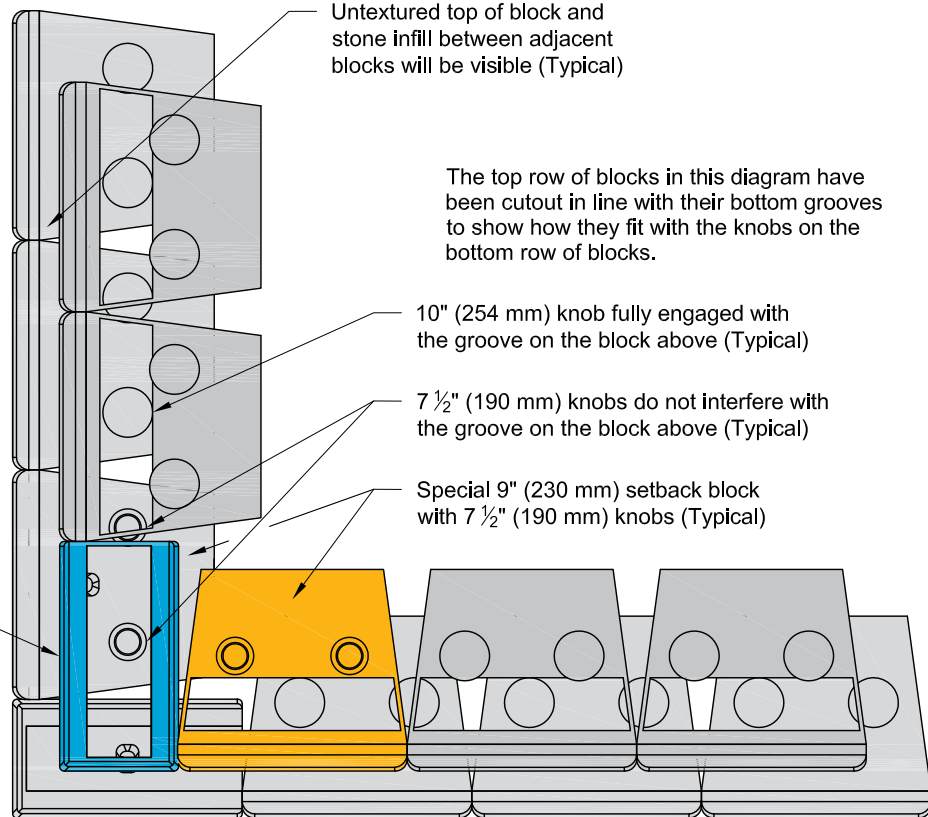
Recess pocket and lifting insert may be visible
Options: Fill with tinted mortar or use custom blocks without top lifter if desired (Typical)

Freestanding Corner
Top Block (Typical)



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

Multiple Row Installation



Freestanding Corner
Top block (Typical)

Top View of Bottom Two Rows

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DRAWN BY: JRJ
APPROVED BY: JRJ
DATE: 06-22-2015
SHEET: 1 of 1

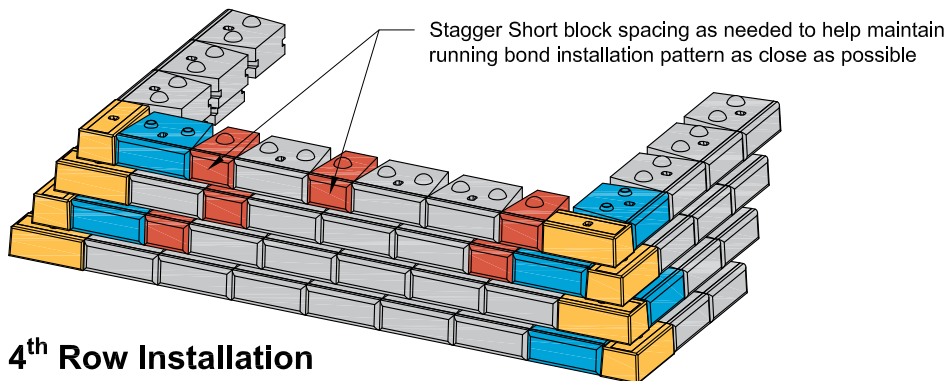
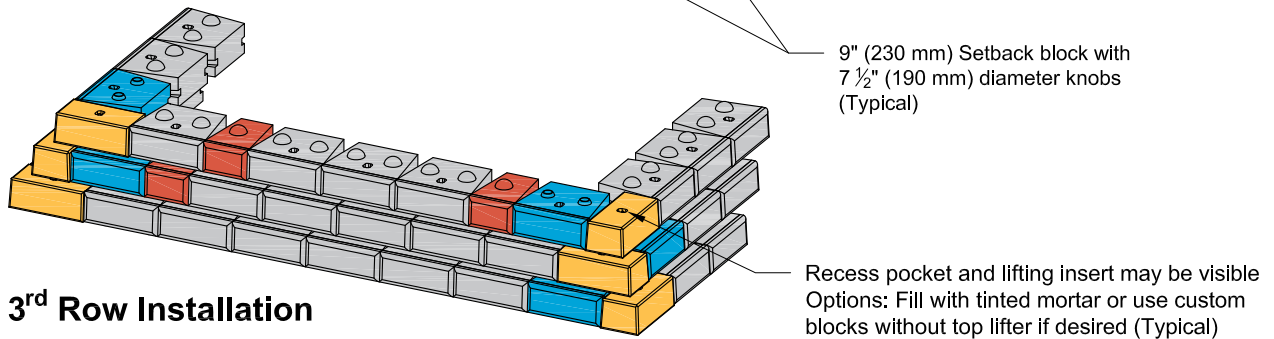
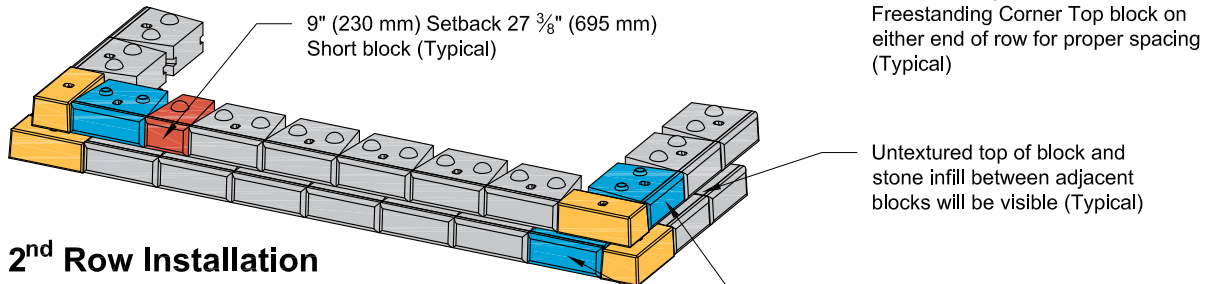
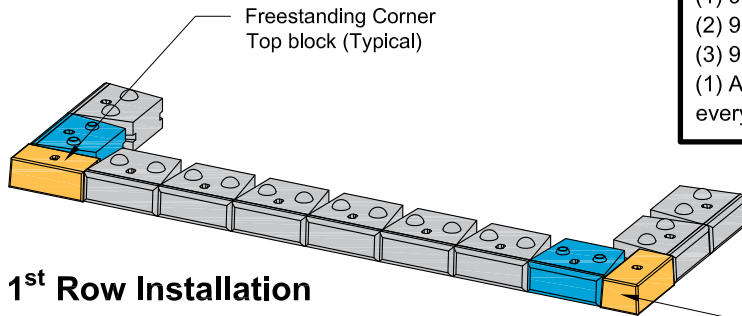
TITLE: 90° Outside Corner
for 9" Setback Walls
FILE: 7 90deg Outside Corner - 9in Setback Walls 062215.dwg

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Double 90° Outside Corner for 9" (230 mm) Setback Walls

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



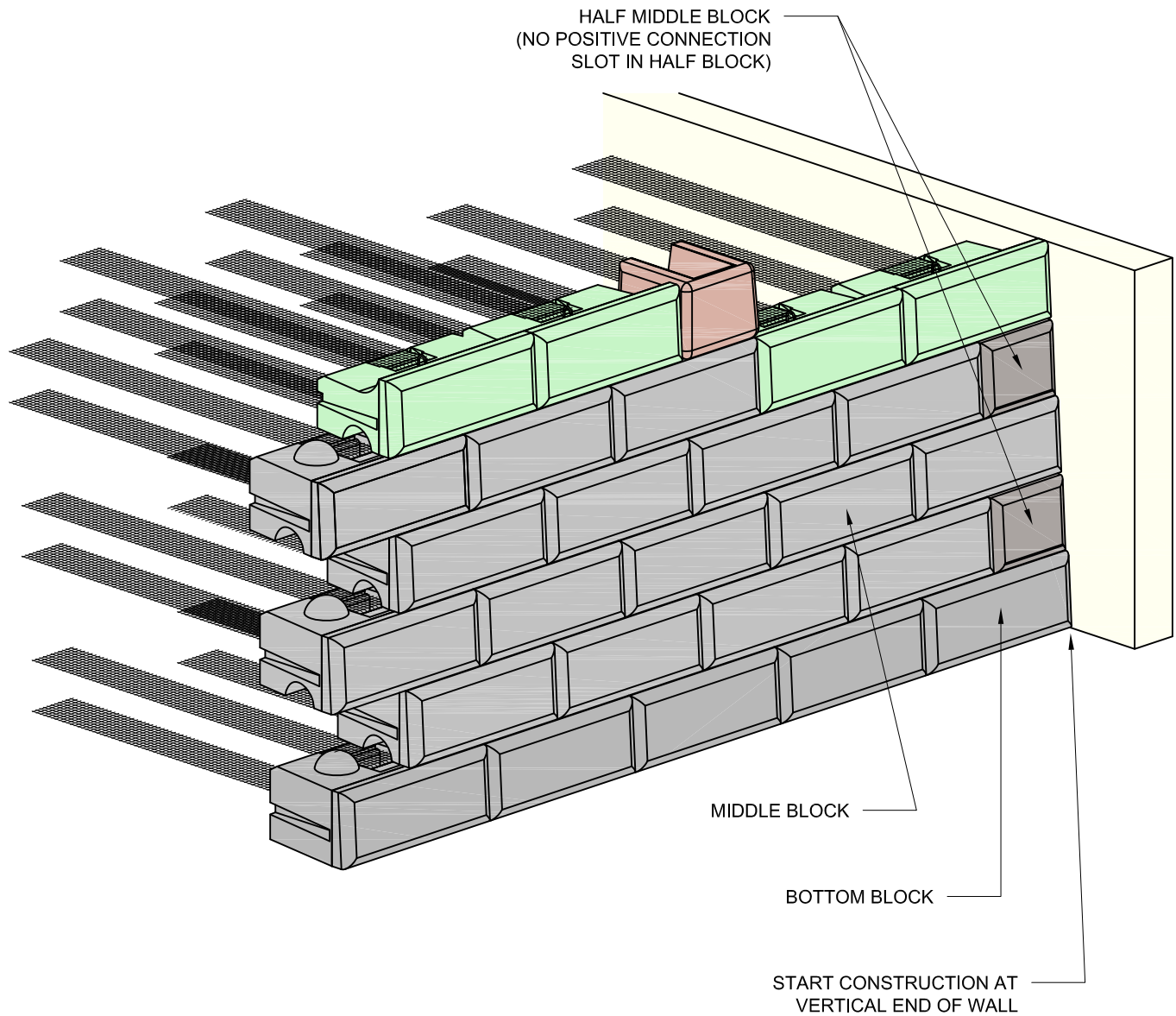
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APPROVED BY: JRJ
DATE: 06-22-2015
SHEET: 1 of 1

TITLE: Double Outside Corner
for 9" Setback Walls
FILE: 8 Double 90deg Outside Corner - 9in Setback 062215.dwg

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VERTICAL END OF WALL
USED WHEN WALL ABUTS AN EXISTING STRUCTURE



DRAWN BY:	JRJ
APPROVED BY:	JRJ
DATE:	06-22-2015
SHEET:	1 of 1

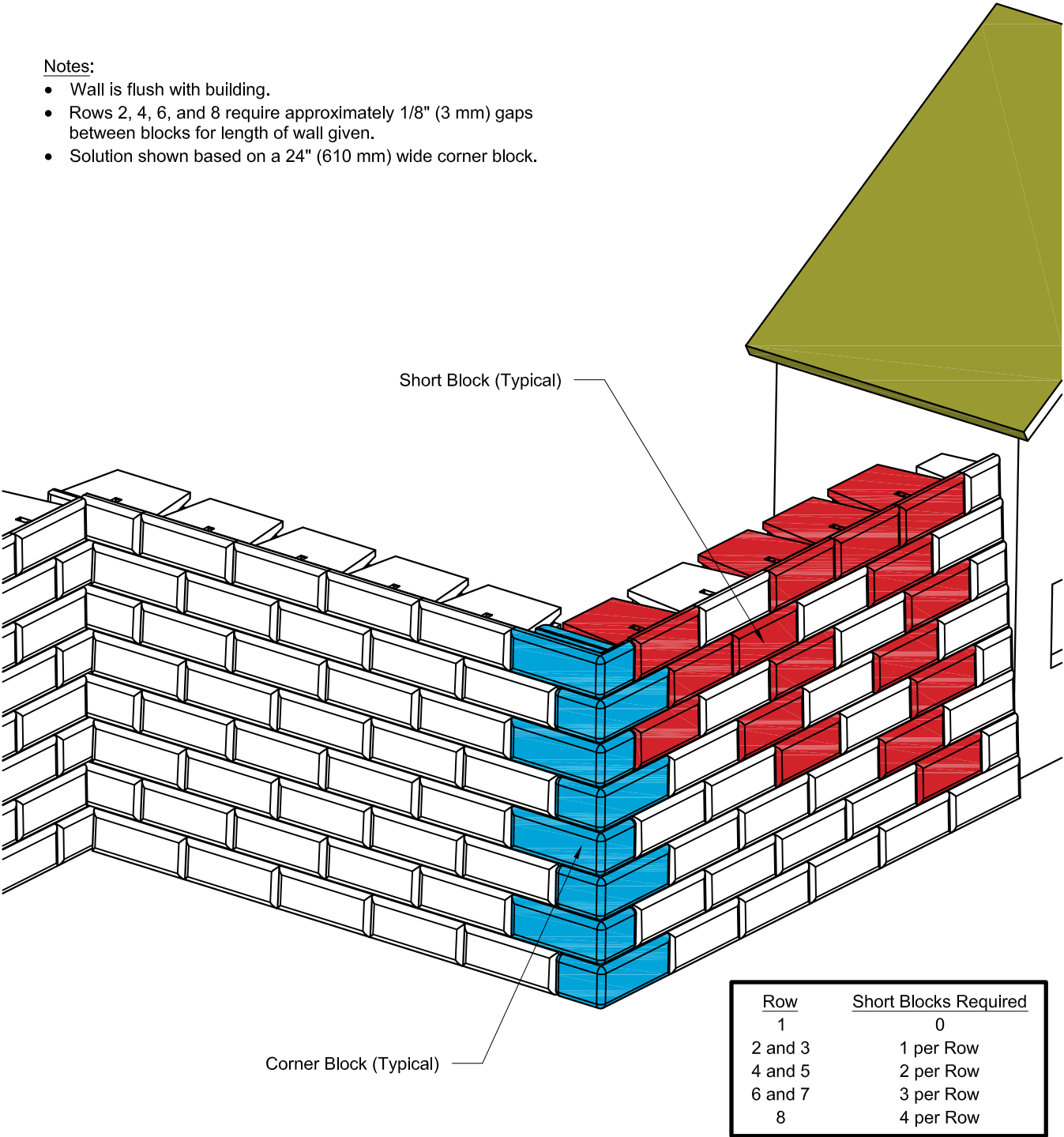
TITLE:	Vertical End of Wall Detail
FILE:	

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90° Battered Corner - Flush End

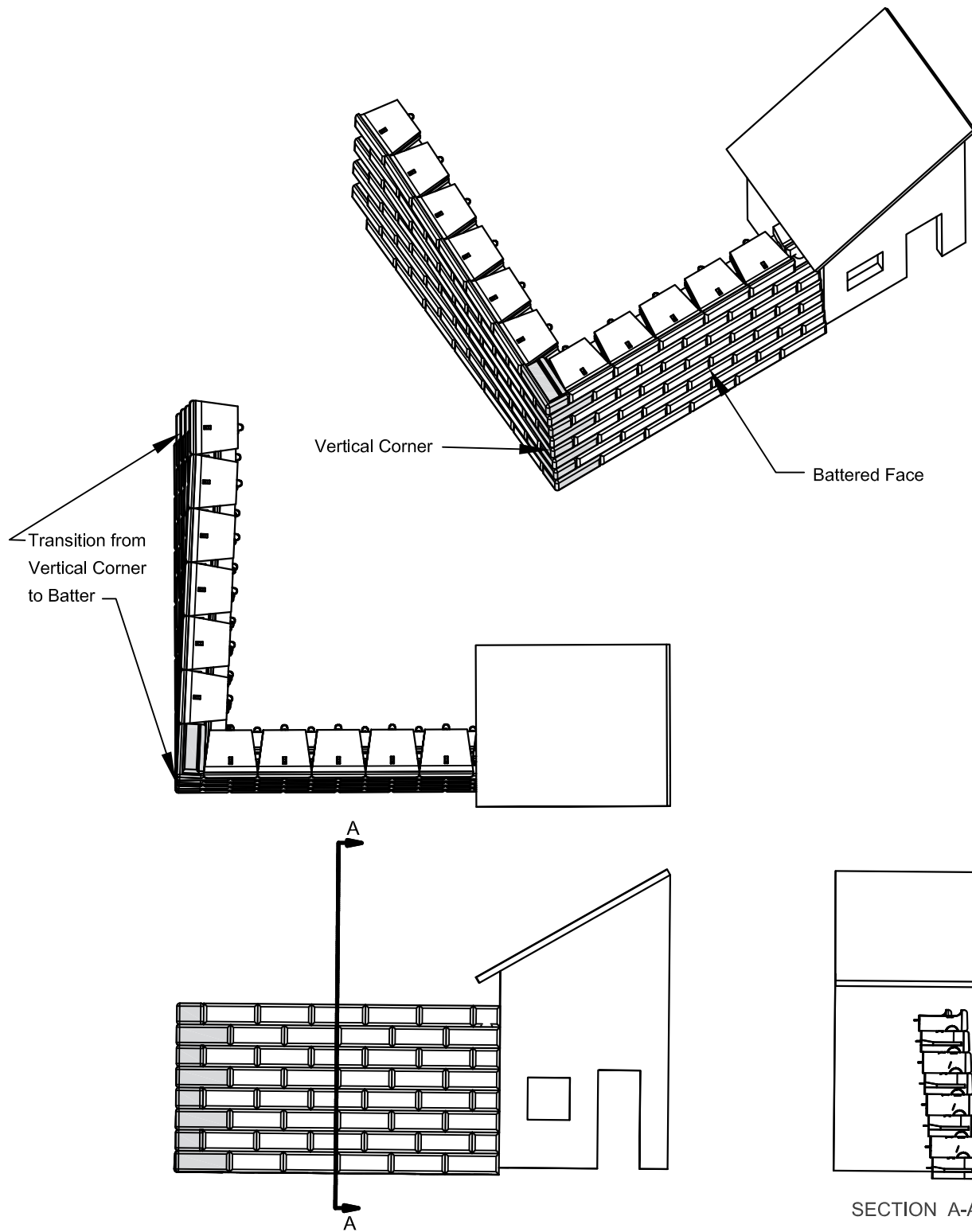
Notes:

- 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.



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90° Vertical Corner - Flush End



DRAWN BY: JRJ
 APPROVED BY: JRJ
 DATE: 06-22-2015
 SHEET: 1 of 1

TITLE: 90° Vertical Corner - Flush End
 FILE: 11 90deg Vertical Corner - Flush End 062215.dwg

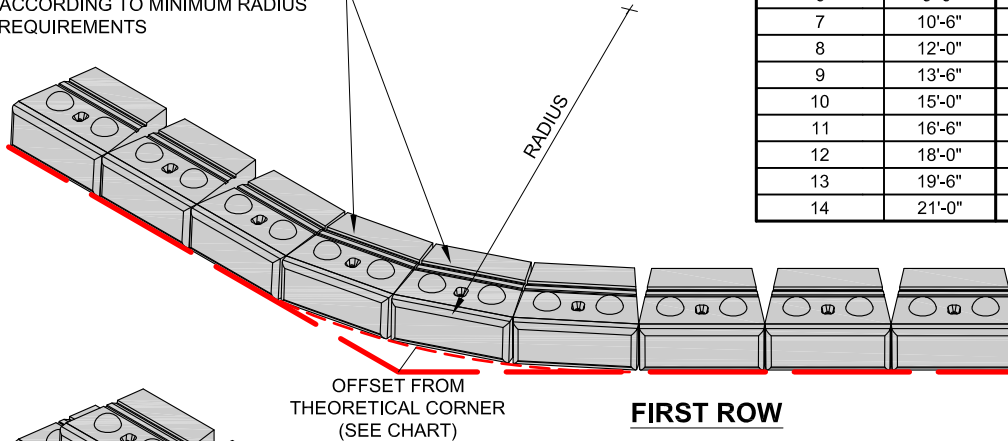
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45° OUTSIDE CORNER RADIAL SOULTION (41" AND 28" SERIES)

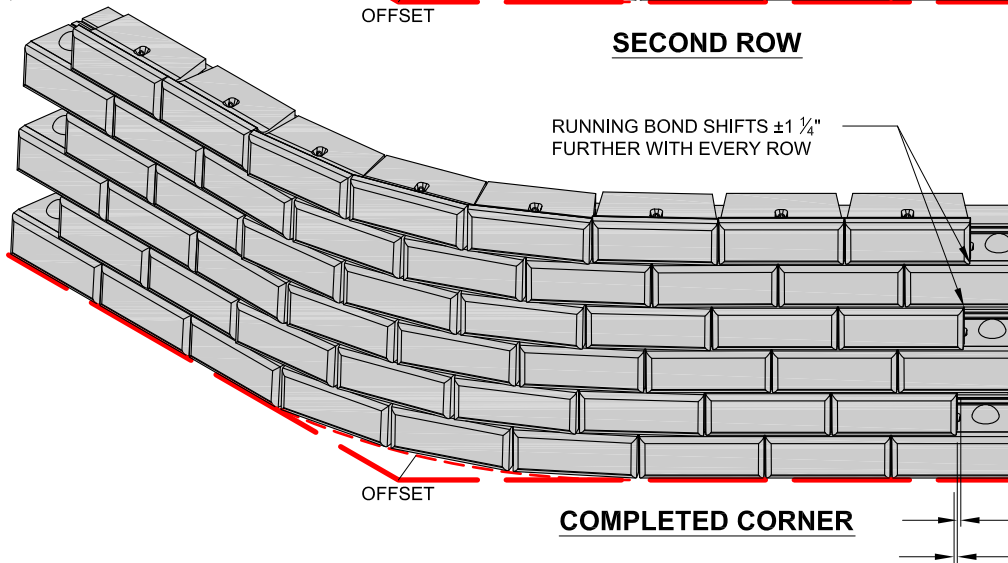
MINIMUM RADIUS AND
OFFSET FOR BOTTOM ROW

NUMBER OF COURSES	HEIGHT OF BLOCKS	RADIUS FROM FACE OF BLOCK	OFFSET
1	1'-6"	14'-6"	$\pm 14 \frac{3}{8}"$
2	3'-0"	14'-8"	$\pm 14 \frac{1}{2}"$
3	4'-6"	14'-10"	$\pm 14 \frac{5}{8}"$
4	6'-0"	15'-0"	$\pm 14 \frac{7}{8}"$
5	7'-6"	15'-2"	$\pm 15"$
6	9'-0"	15'-4"	$\pm 15 \frac{1}{8}"$
7	10'-6"	15'-6"	$\pm 15 \frac{3}{8}"$
8	12'-0"	15'-8"	$\pm 15 \frac{1}{2}"$
9	13'-6"	15'-10"	$\pm 15 \frac{5}{8}"$
10	15'-0"	16'-0"	$\pm 15 \frac{7}{8}"$
11	16'-6"	16'-2"	$\pm 16"$
12	18'-0"	16'-4"	$\pm 16 \frac{1}{8}"$
13	19'-6"	16'-6"	$\pm 16 \frac{3}{8}"$
14	21'-0"	16'-8"	$\pm 16 \frac{1}{2}"$

PLACE BOTTOM ROW OF BLOCKS
ACCORDING TO MINIMUM RADIUS
REQUIREMENTS



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

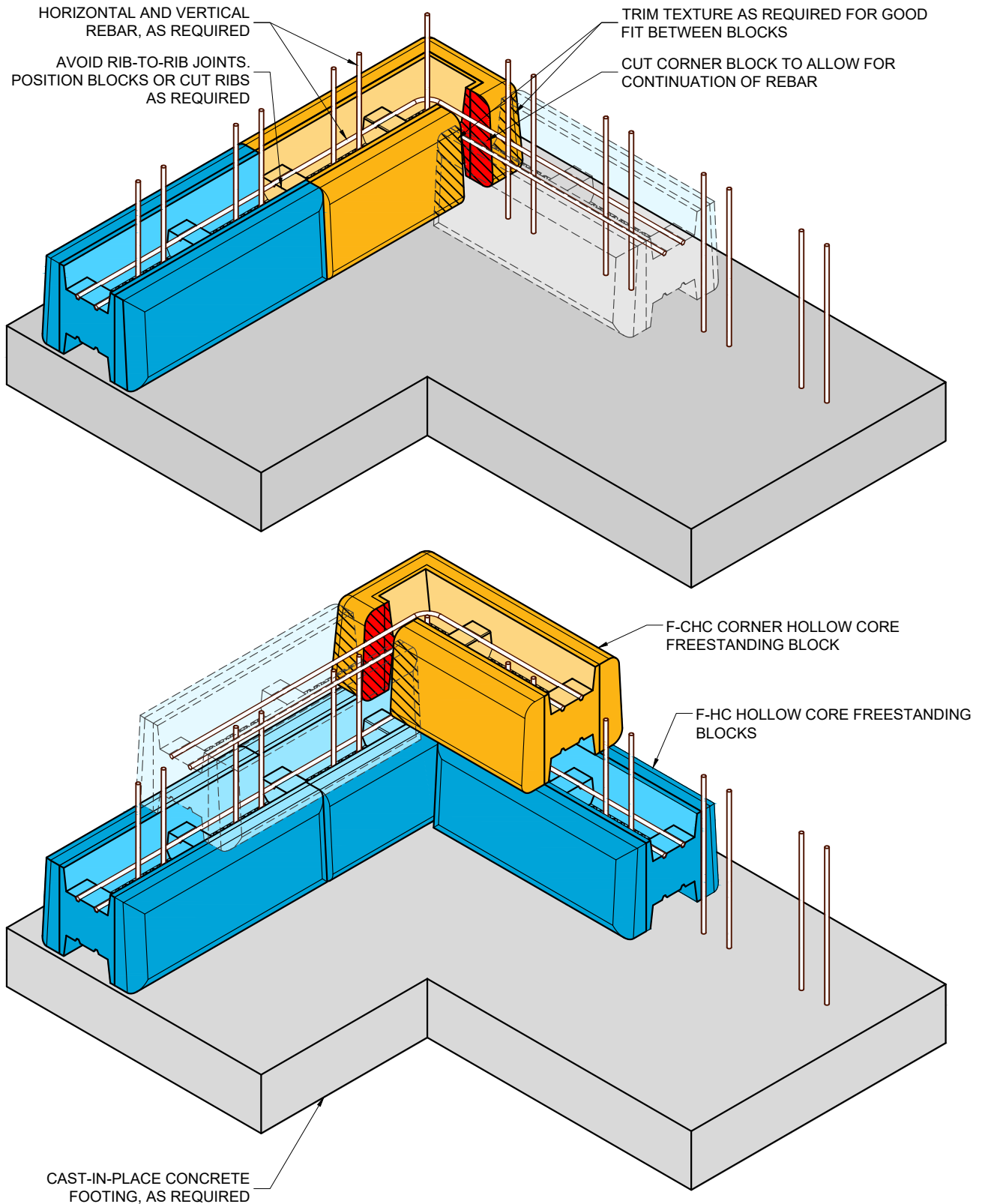


$\pm 1 \frac{1}{4}"$
 $\pm 1 \frac{1}{4}"$

DRAWN BY: JRJ
APPROVED BY: JRJ
DATE: 06-22-2015
SHEET: 1 of 1

TITLE: 45° Outside Corner
Radial Solution
FILE: 12 Outside Corner Radial Solution 062215.dwg

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DRAWN BY: N. LINDWALL

APPROVED BY: J. JOHNSON

DATE: 12/20/17

SHEET: 1 of 1

TITLE:

F-HC FREESTANDING BLOCK CONTINUOUS CORNER DETAIL

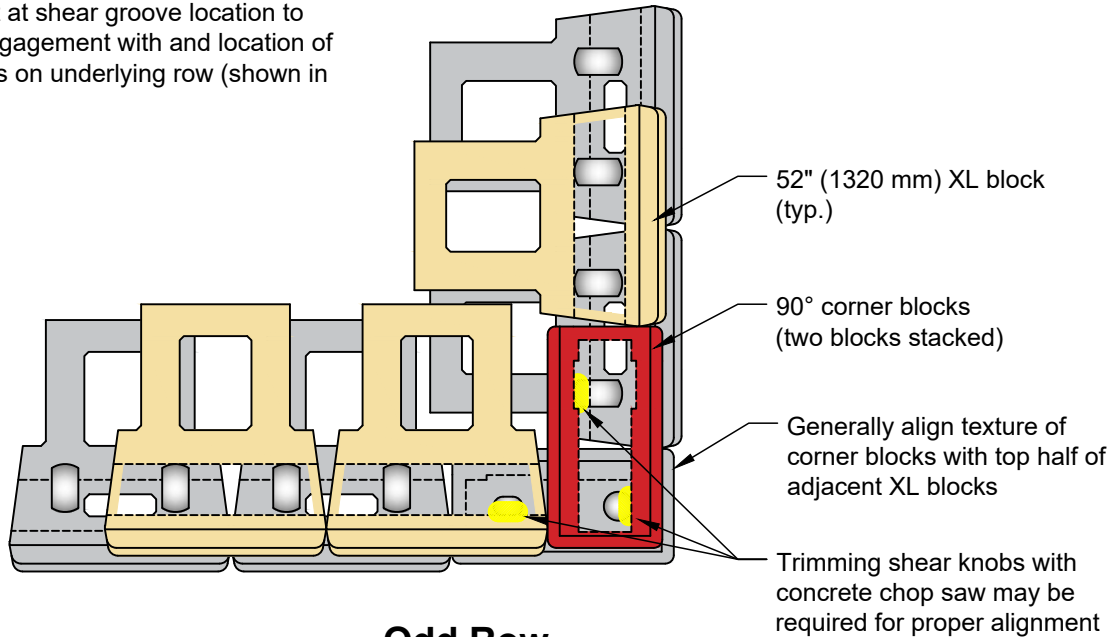
FILE: F-HC Corner Details 122017.dwg

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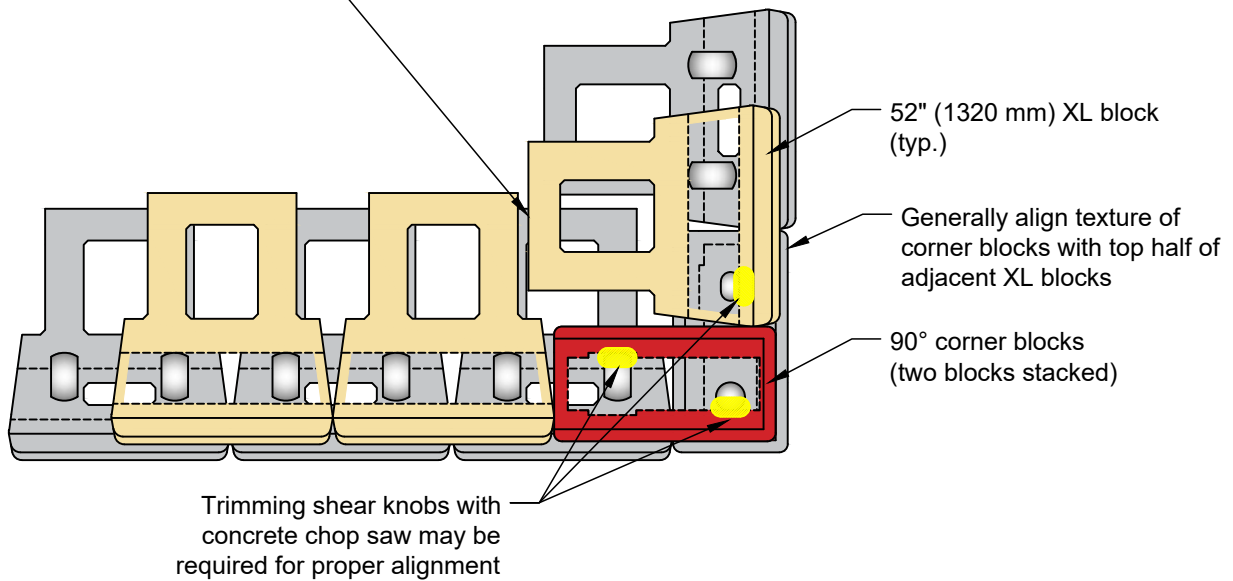
52" (1320 mm) XL BLOCKS

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).



Odd Row

Cut lift hooks after setting block, as required



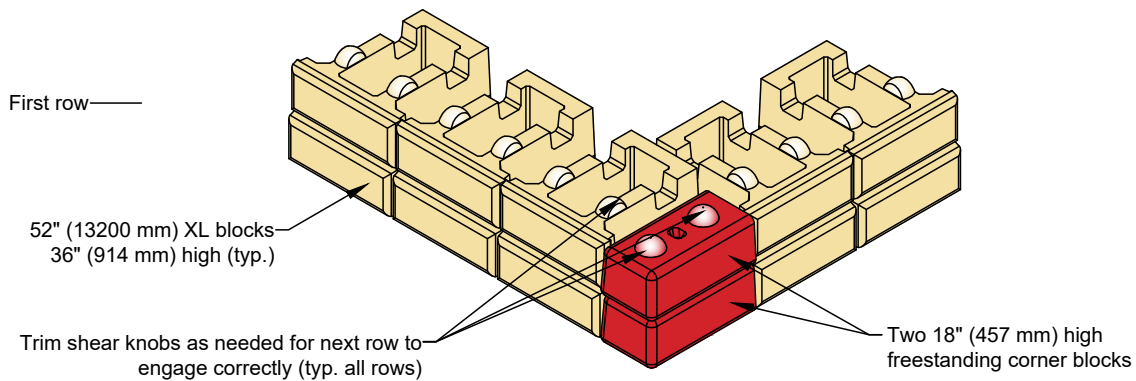
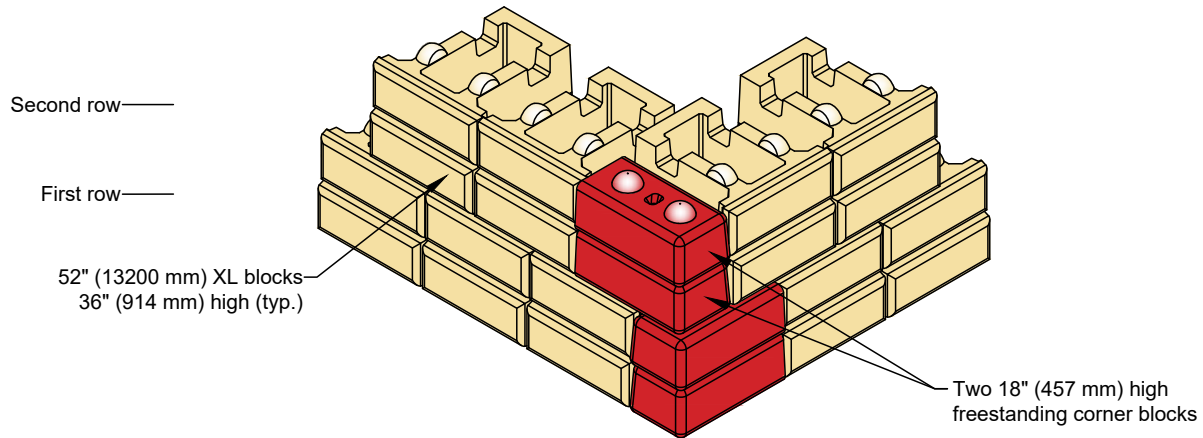
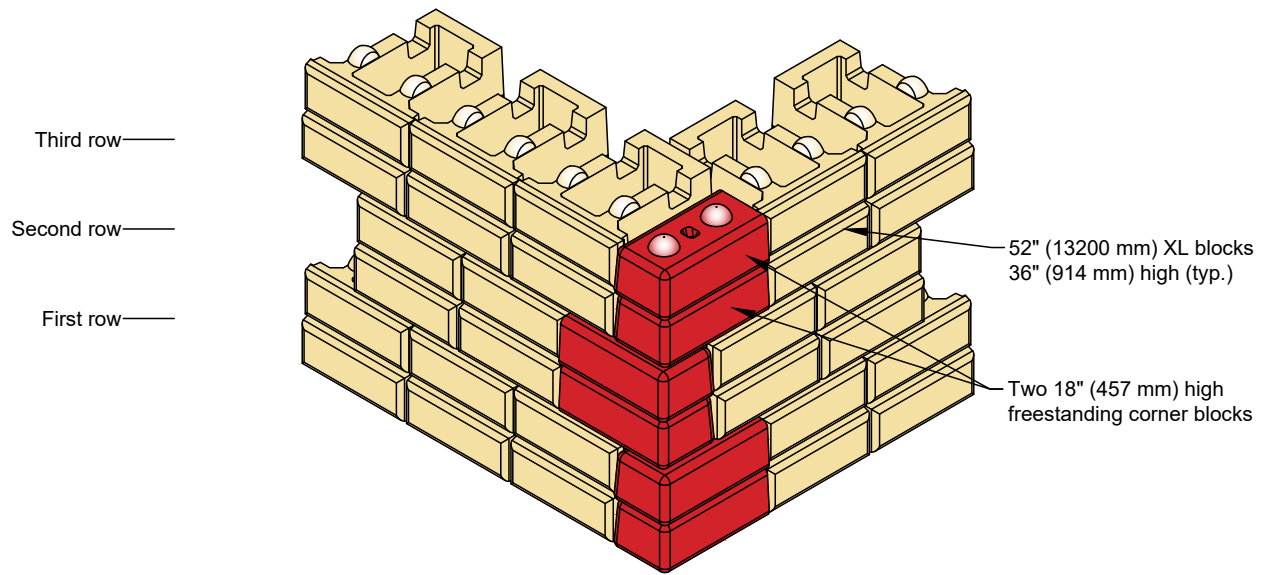
Even Row

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DRAWN BY: NWL
APPROVED BY: JRJ
DATE: 19JUN2019
SHEET: 1 of 2

TITLE: XL 90-Degree Outside Corner Detail
FILE: XL 52 outside corner details 061919.dwg

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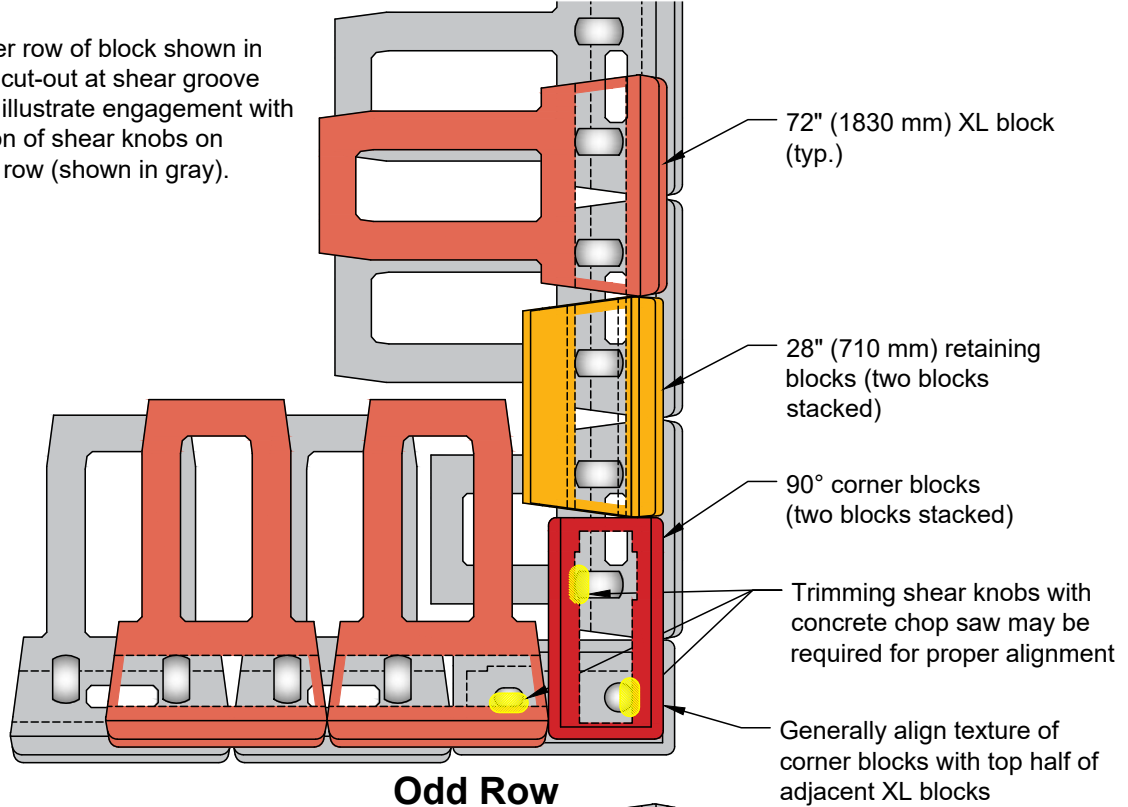
DRAWN BY: NWL
APPROVED BY: JRJ
DATE: 19JUN2019
SHEET: 2 of 2

TITLE: XL 90-Degree Outside Corner
Isometric View
FILE: XL 52 outside corner details 061919.dwg

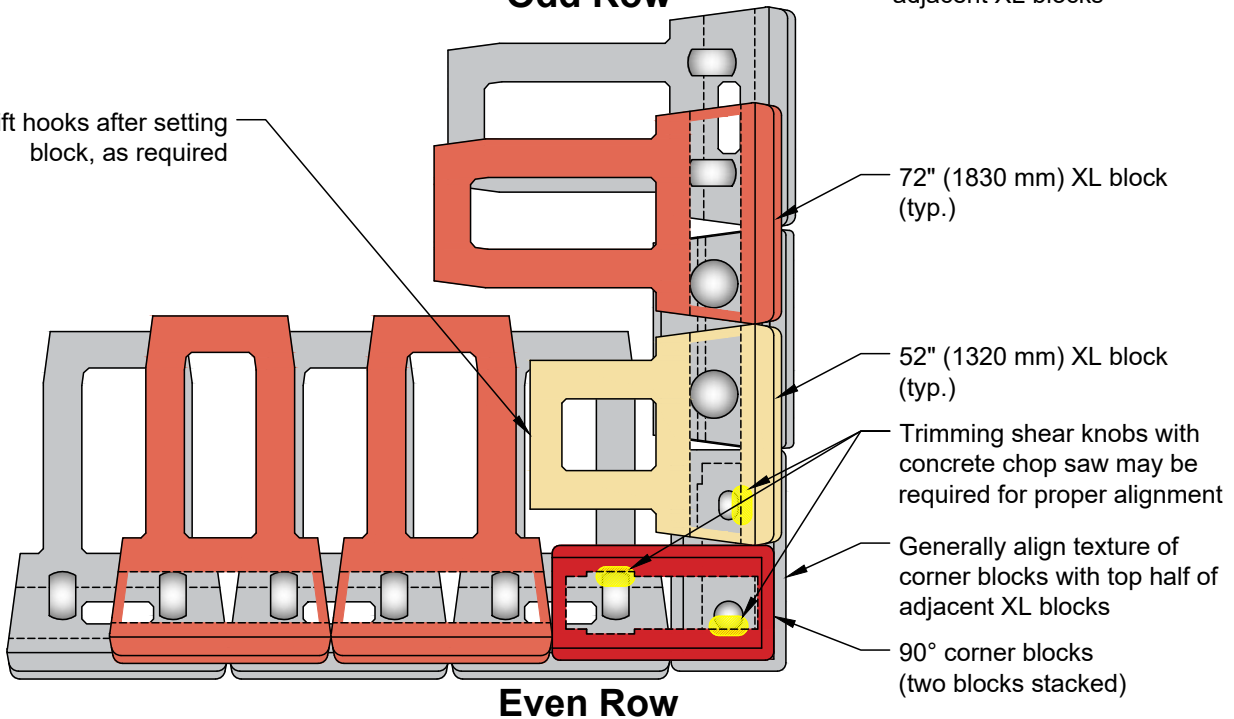
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72" (1830 mm) XL BLOCKS

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).



Cut lift hooks after setting block, as required

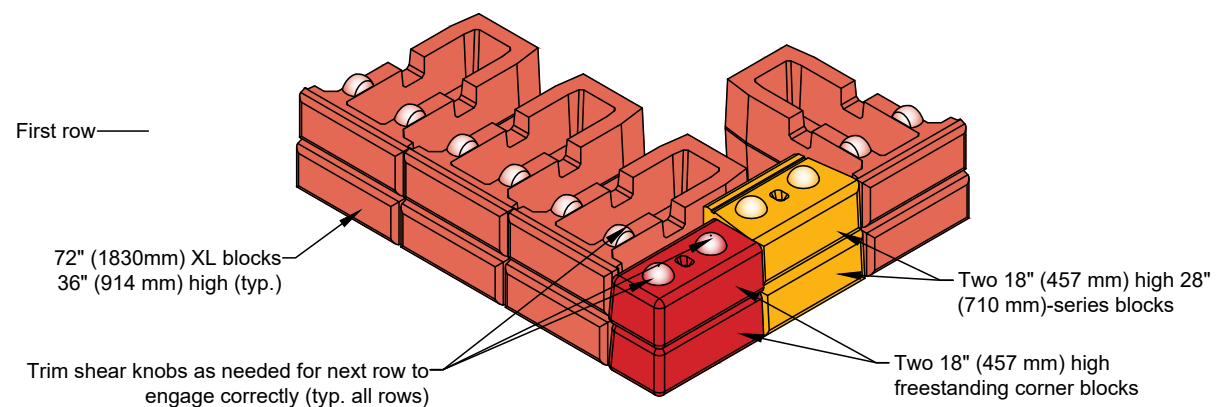
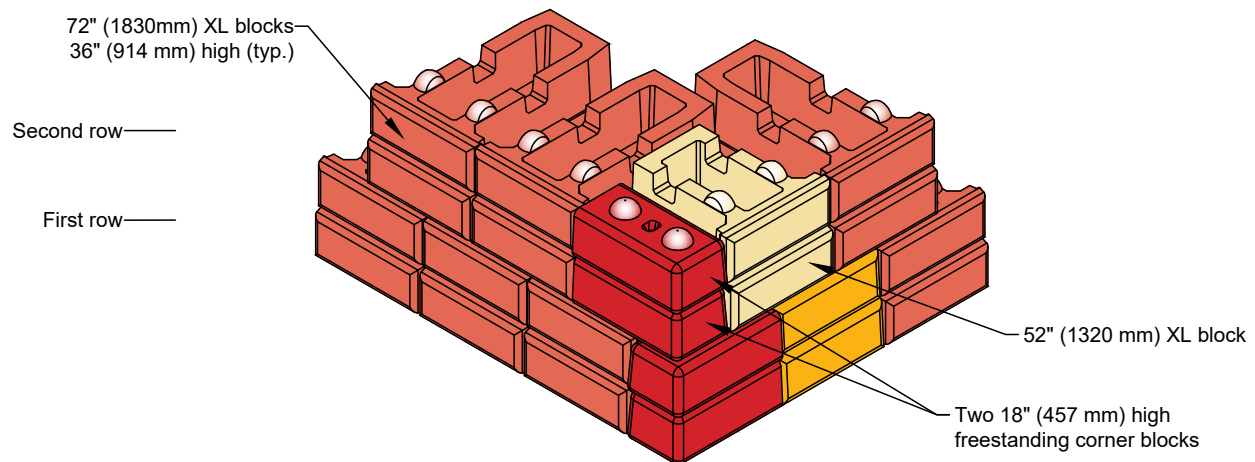
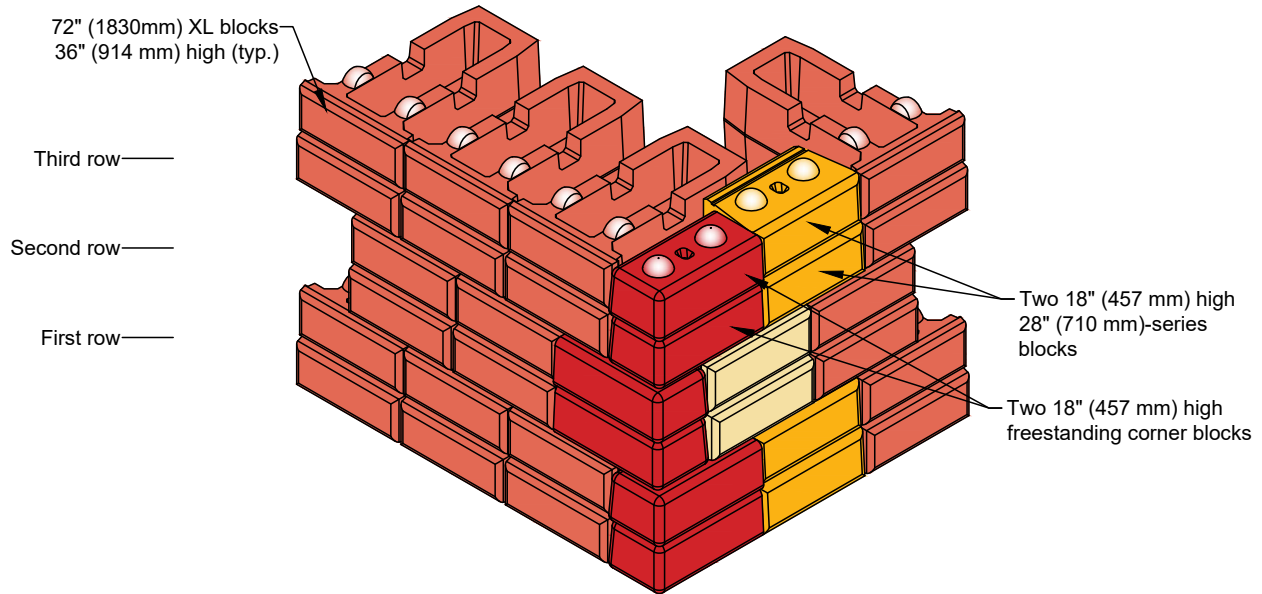


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DRAWN BY: NWL
APPROVED BY: JRJ
DATE: 19JUN2019
SHEET: 1 of 2

TITLE: XL 90-Degree Outside Corner Detail
FILE: XL 72 outside corner details 061919.dwg

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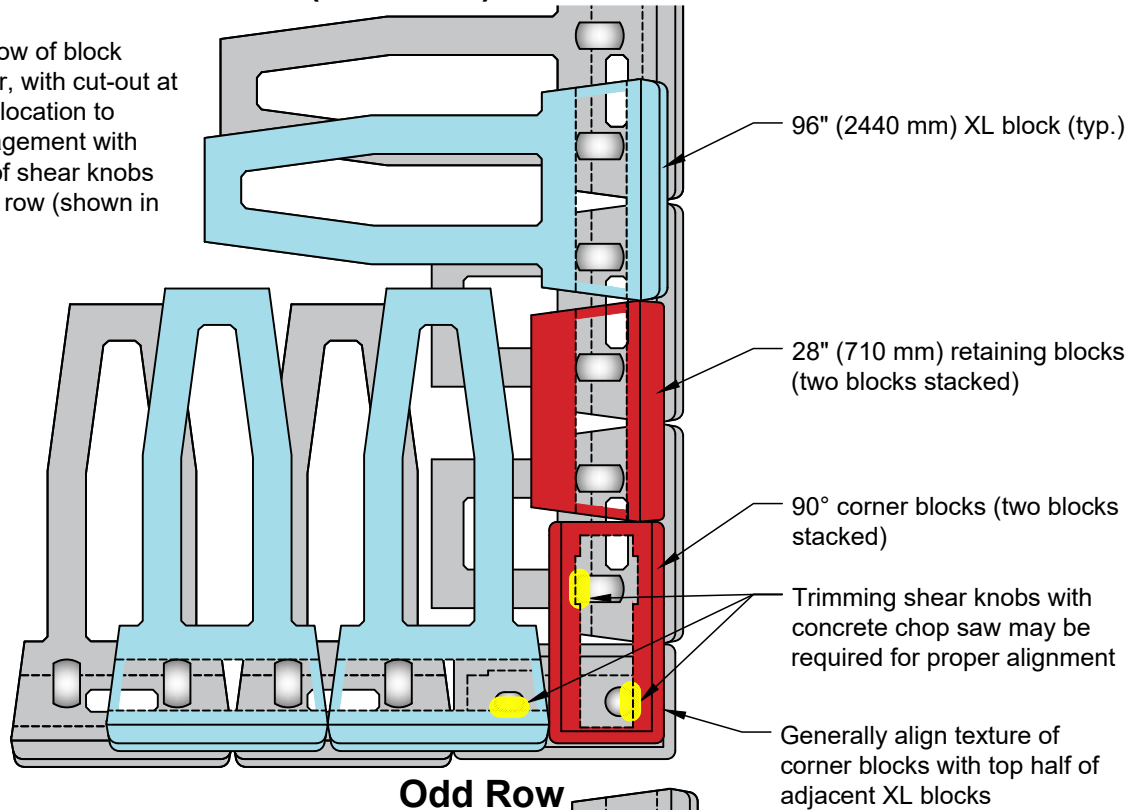
DRAWN BY:	NWL
APPROVED BY:	JRJ
DATE:	19JUN2019
SHEET:	2 of 2

TITLE:	XL 90-Degree Outside Corner Detail
FILE:	XL 72 outside corner details 061919.dwg

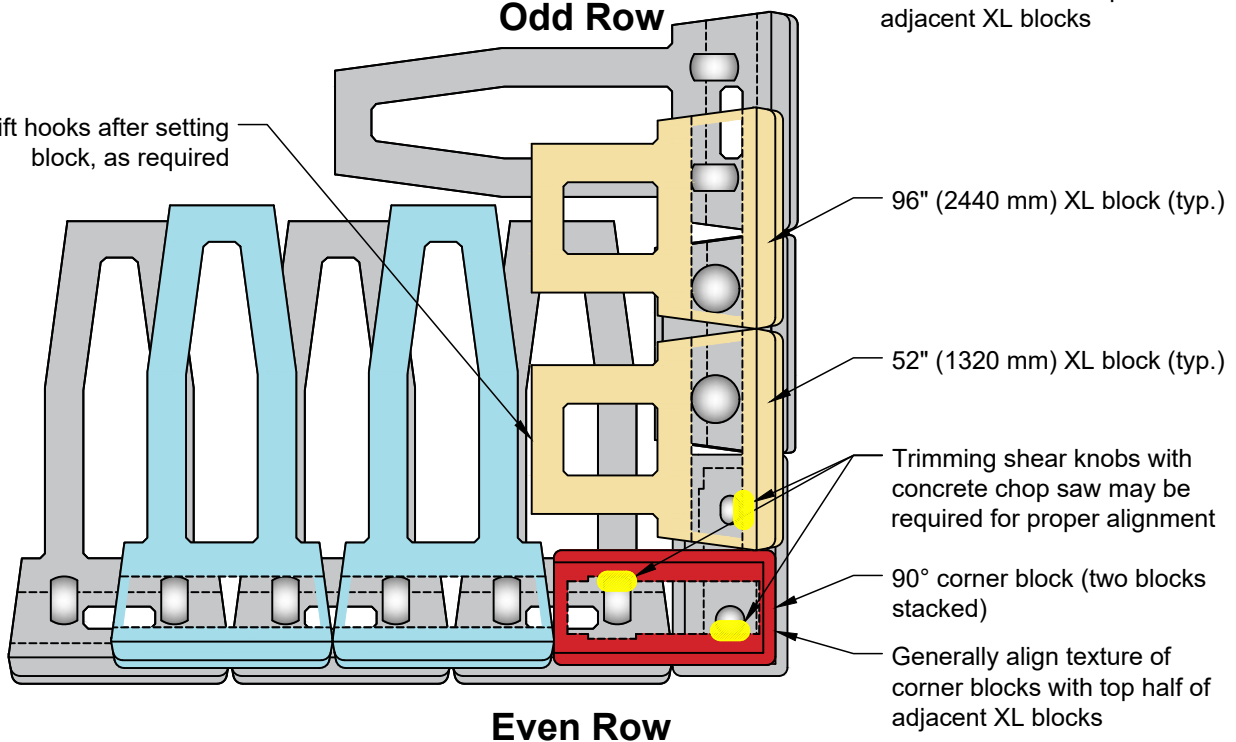
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96" (2440 mm) XL BLOCKS

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).



Cut lift hooks after setting block, as required



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.

DRAWN BY: NWL
APPROVED BY: JRJ
DATE: 19JUN2019
SHEET: 1 of 2

TITLE: XL 90-Degree Outside Corner Detail
FILE: XL 96 outside corner details 061919.dwg

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96" (2440 mm) XL blocks
36" (914 mm) high

Third row

Second row

First row

Two 18" (457 mm) high
28" (710 mm)-series
blocks

Two 18" (457 mm) high
freestanding corner blocks

96" (2440 mm) XL blocks
36" (914 mm) high

Second row

First row

52" (1320 mm) XL blocks

Two 18" (457 mm) high
freestanding corner blocks

First row

96" (2440 mm) XL blocks
36" (914 mm) high

Two 18" (457 mm) high 28"
(710 mm)-series blocks

Two 18" (457 mm) high
freestanding corner blocks

Trim shear knobs as needed for next row to
engage correctly

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.

DRAWN BY: NWL

APPROVED BY: JRJ

DATE: 19JUN2019

SHEET: 2 of 2

TITLE: XL 90-Degree Outside Corner Isometric View

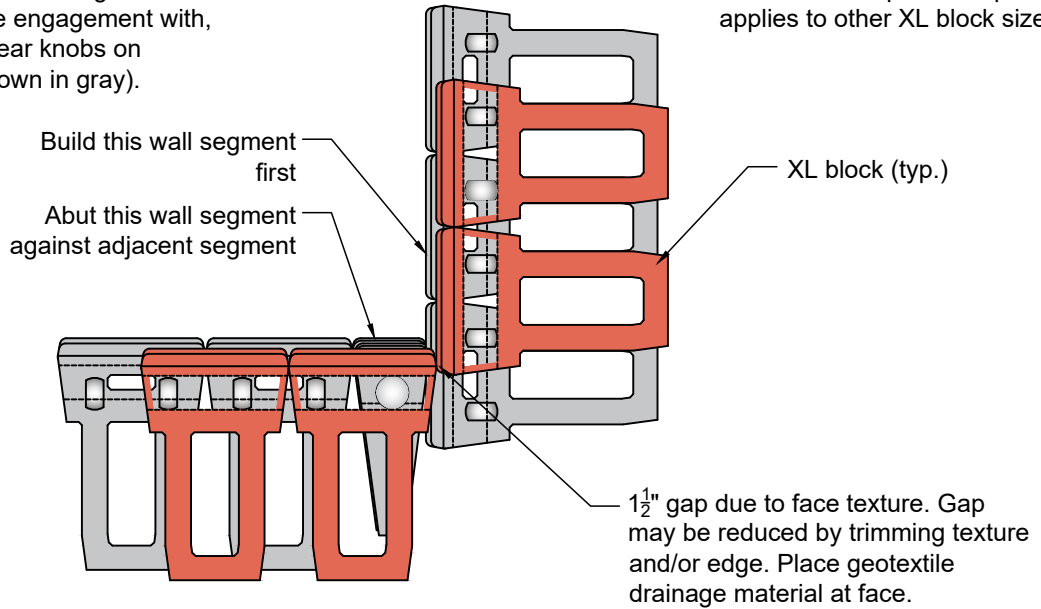
FILE: XL 96 outside corner details 061919.dwg

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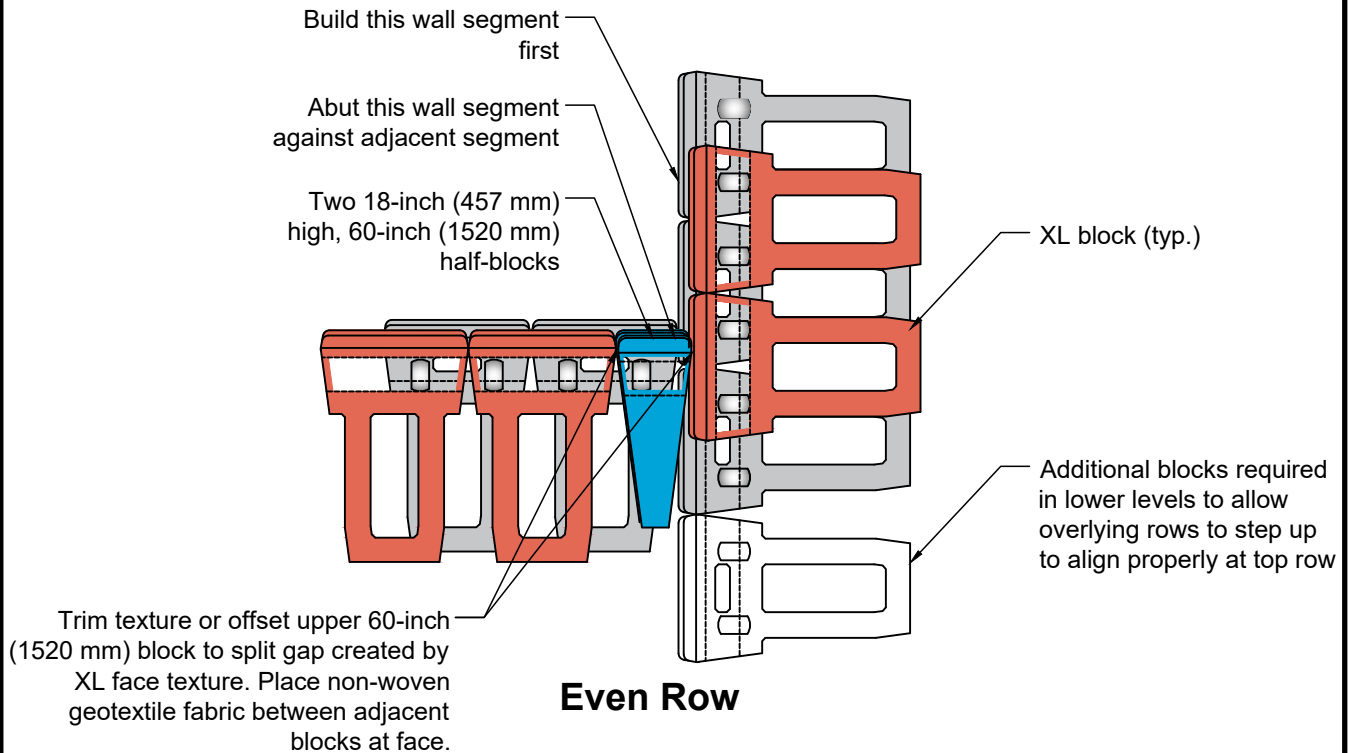
INSIDE CORNER | ABUTTED OPTION

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).

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



Odd Row



Even Row

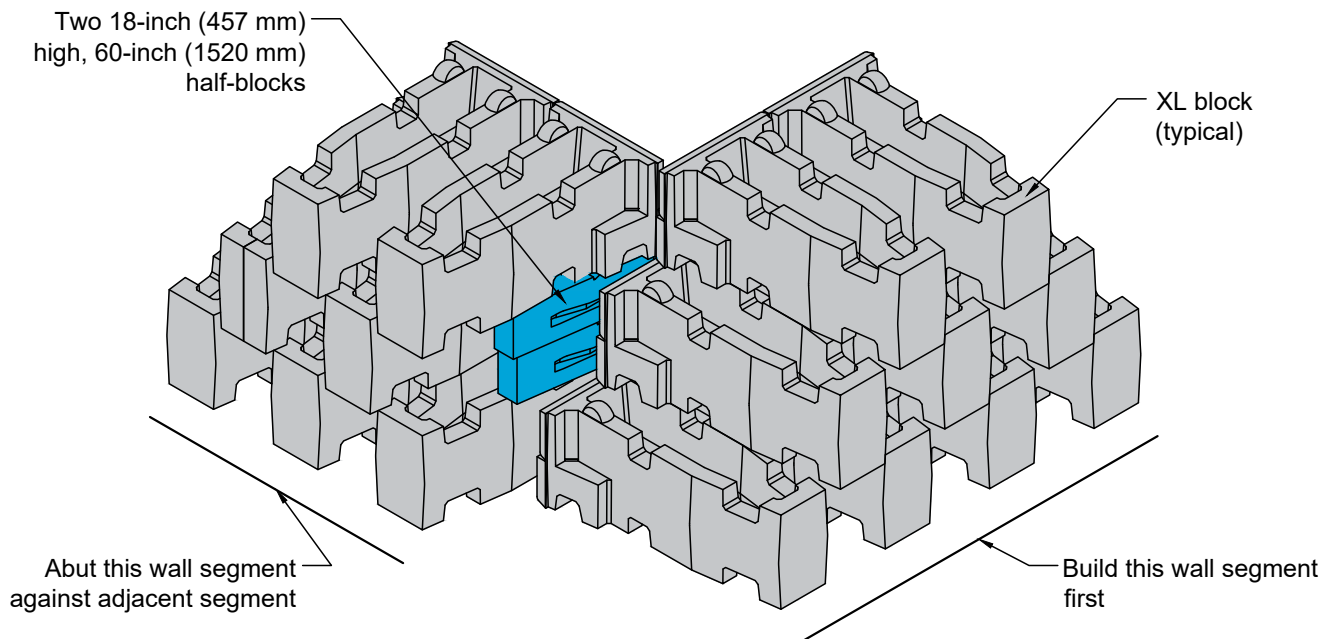
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DRAWN BY:	NWL
APPROVED BY:	JRJ
DATE:	18JUN2019
SHEET:	1 of 2

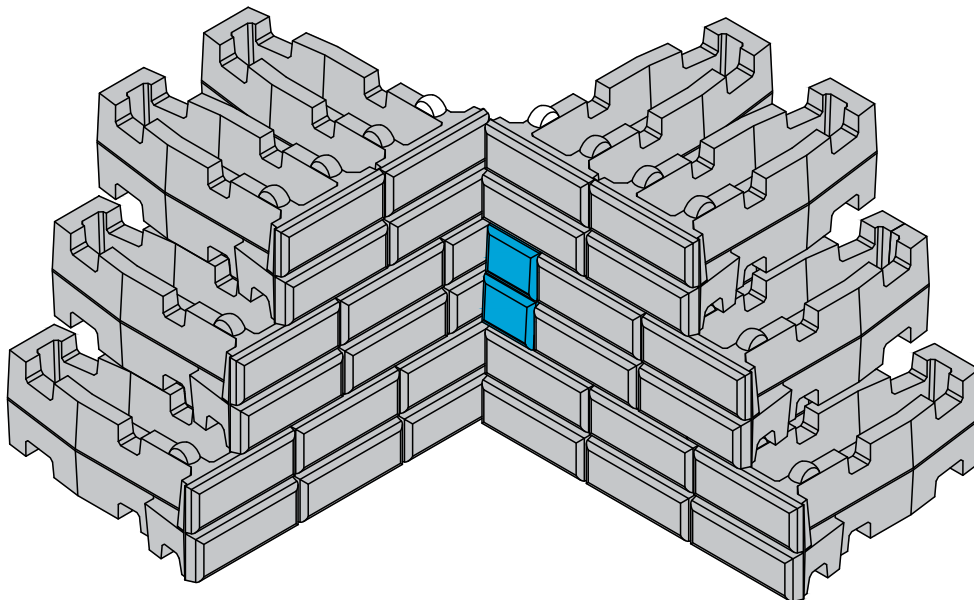
TITLE:	XL 90-Degree Inside Corner Detail
FILE:	XL inside corner abutted details 061819.dwg

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INSIDE CORNER | ABUTTED OPTION



Rear View



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

Front View

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.

DRAWN BY: NWL
 APPROVED BY: JRJ
 DATE: 18JUN2019
 SHEET: 2 of 2

TITLE: XL 90-Degree Inside Corner Detail
 FILE: XL inside corner abutted details 061819.dwg

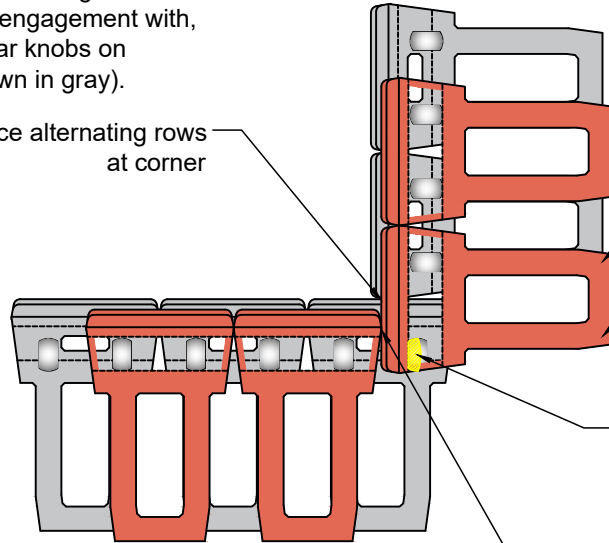
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INSIDE CORNER | INTERLACED OPTION

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).

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

Interlace alternating rows at corner



Odd Row

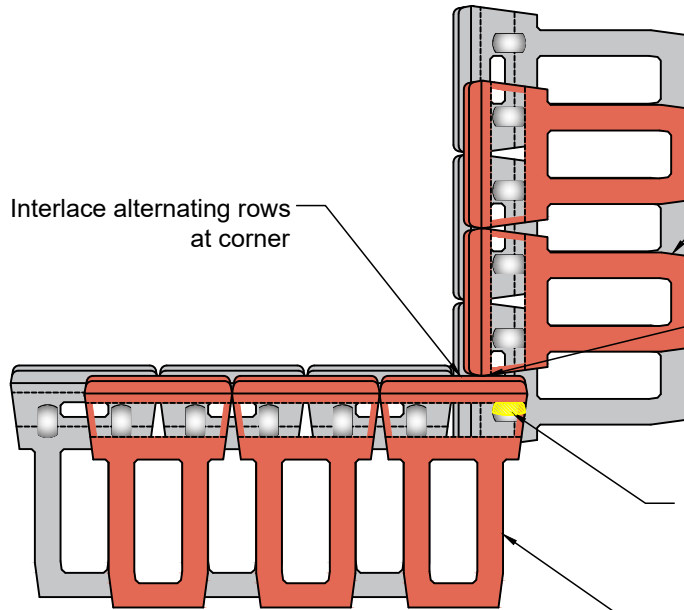
XL block (typ.)

Ensure block is fully supported by compacted base material underneath.

Trim shear knobs with concrete chop saw to allow for proper alignment or align underlying course such that knob lines up with groove.

1½" gap due to face texture. Gap may be reduced by trimming texture and/or edge. Place geotextile drainage material at face.

Interlace alternating rows at corner



Even Row

XL block (typ.)

1½" gap due to face texture. Gap may be reduced by trimming texture and/or edge. Place geotextile drainage material at face.

Trim shear knobs with concrete chop saw to allow for proper alignment or align underlying course such that knob lines up with groove.

Ensure block is fully supported using compacted base material

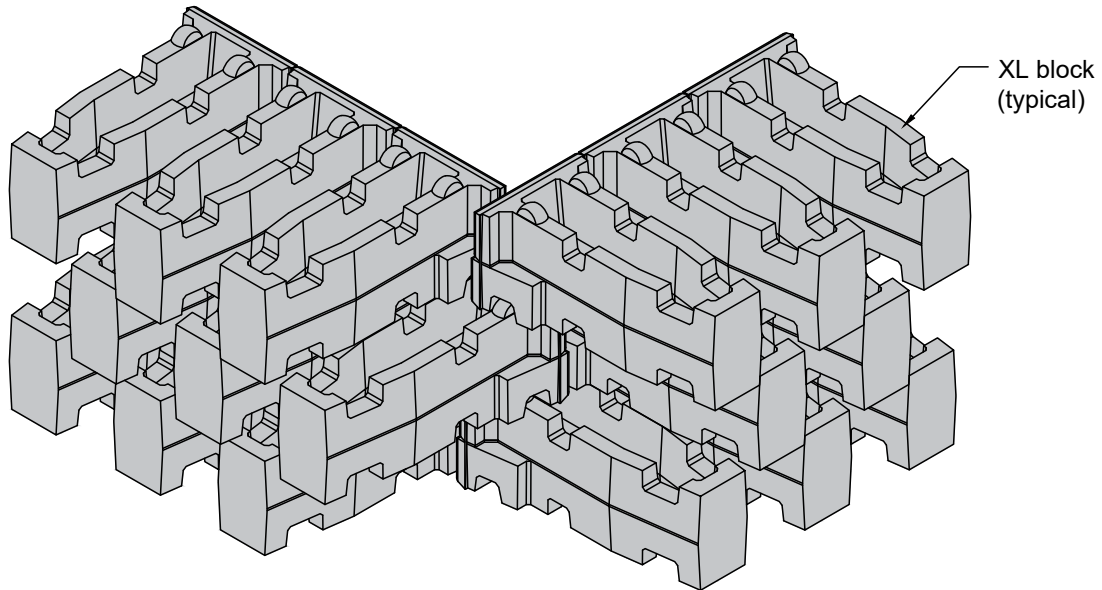
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DRAWN BY: NWL
APPROVED BY: JRJ
DATE: 18JUN2019
SHEET: 1 of 2

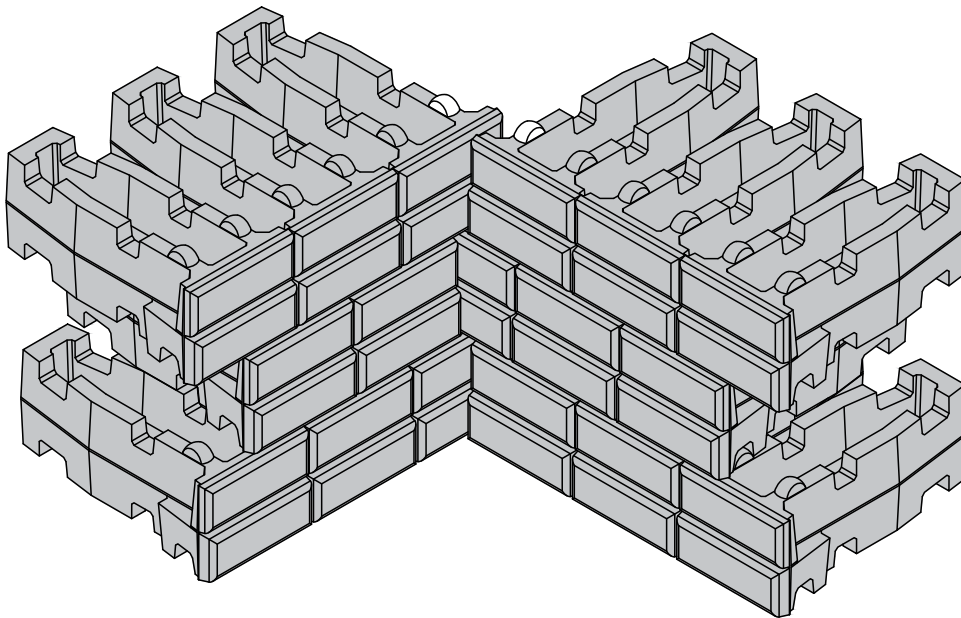
TITLE: XL 90-Degree Inside Corner Detail
FILE: XL inside corner interlaced details 061819.dwg

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INSIDE CORNER | INTERLACED OPTION



Rear View

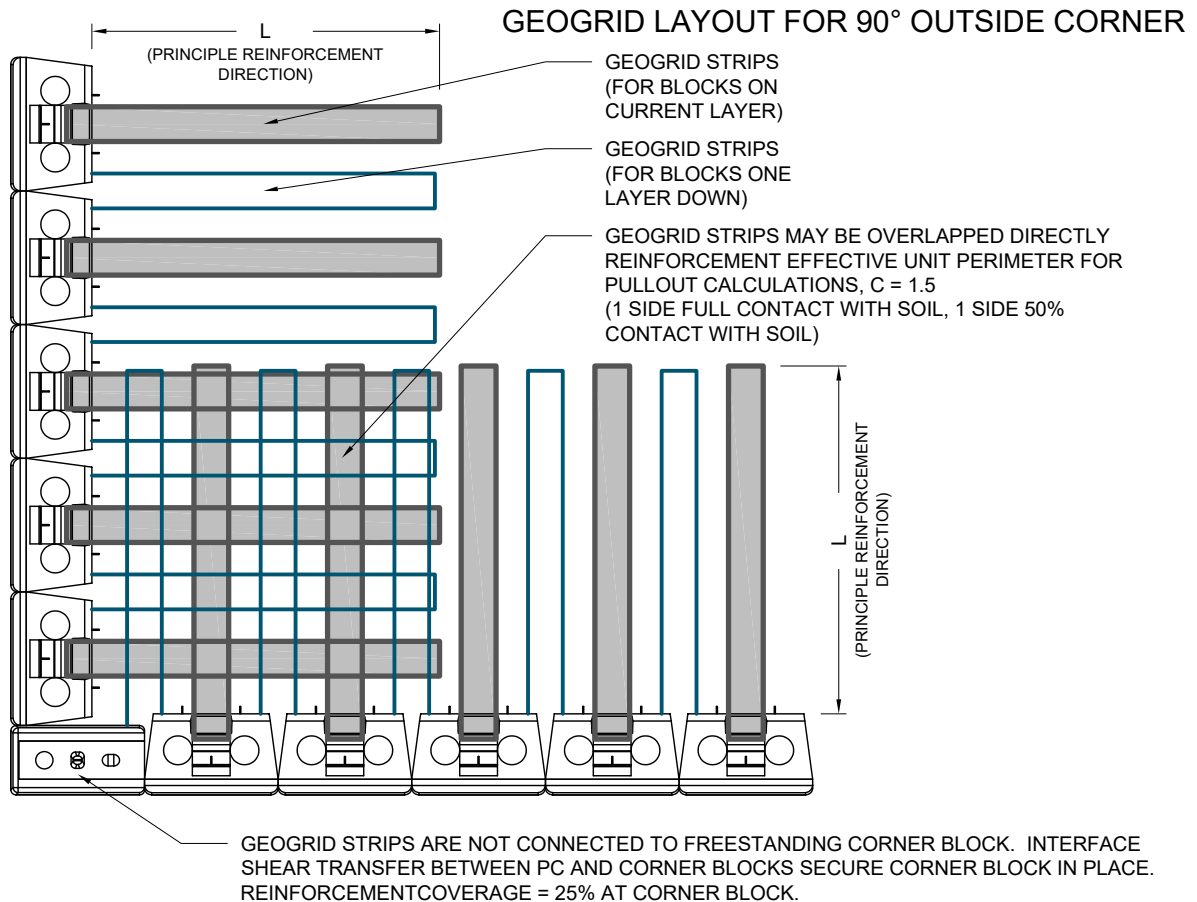


72" (1830 mm) block shown to illustrate concept. Concept applies to other XL block sizes.

Front View

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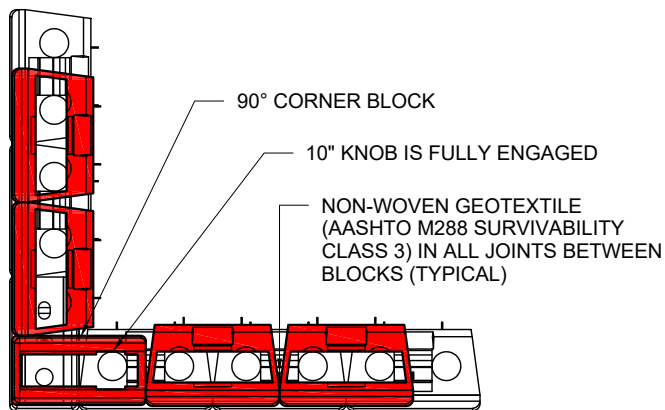
DRAWN BY:	NWL	TITLE: XL 90-Degree Inside Corner Detail	 05481 US 31 SOUTH, CHARLEVOIX, MI 49720 (866) 222-8400 ext 3010 • engineering@redi-rock.com www.redi-rock.com
APPROVED BY:	JRJ		
DATE:	18JUN2019		
SHEET:	2 of 2	FILE: XL inside corner interlaced details 061819.dwg	



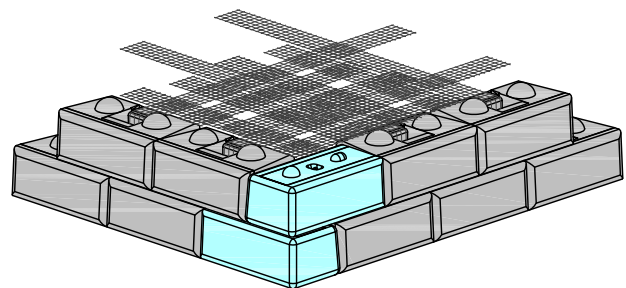
BLOCK LAYOUT FOR 90° OUTSIDE CORNER

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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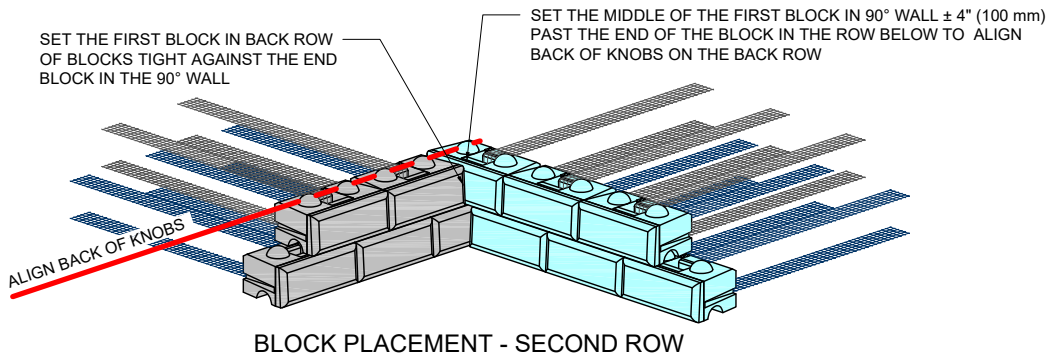
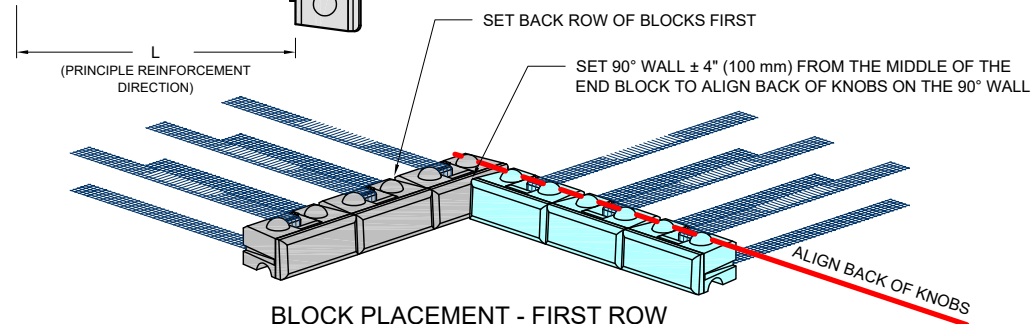
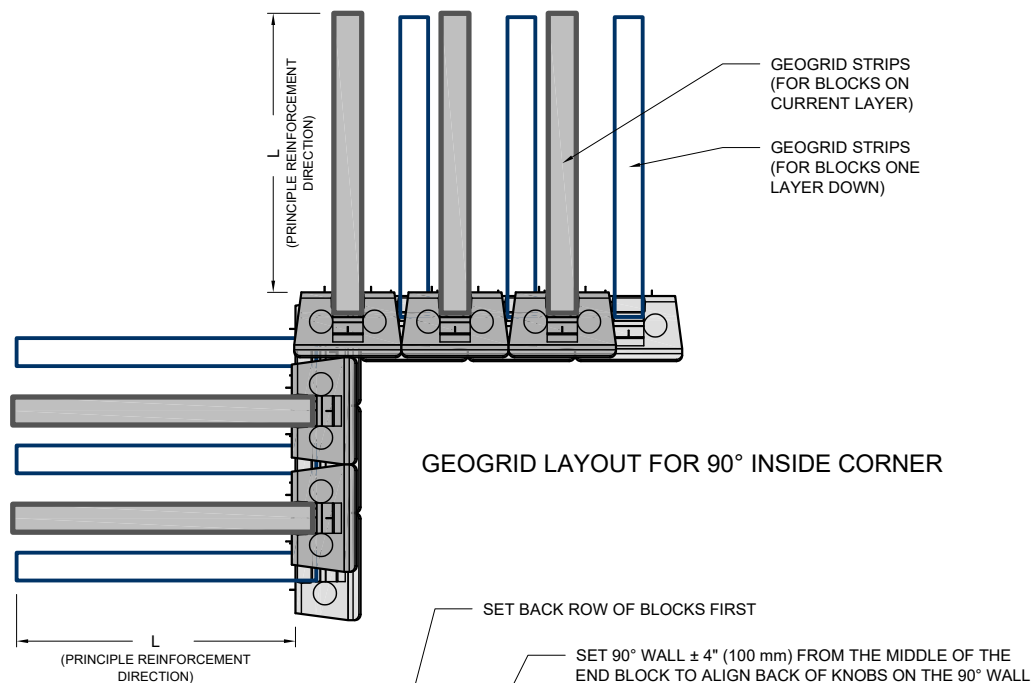
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DRAWN BY:	J. JOHNSON
APPROVED BY:	J. JOHNSON
DATE:	JAN. 28, 2015
SHEET:	1 of 1

TITLE:	GEOGRID LAYOUT FOR 90° OUTSIDE CORNER <i>REDI-ROCK PC SYSTEM</i>
FILE:	Geogrid Layout for Outside 90 Corner PC 012815.dwg

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DRAWN BY: J. JOHNSON

APPROVED BY: J. JOHNSON

DATE: JAN. 28, 2015

SHEET: 1 of 1

TITLE:
GEOGRID LAYOUT FOR 90° INSIDE CORNER
REDI-ROCK PC SYSTEM

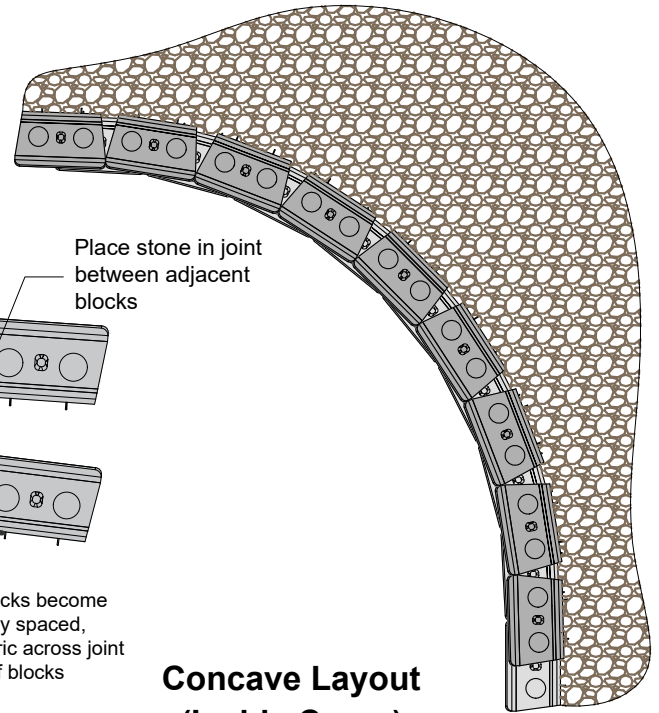
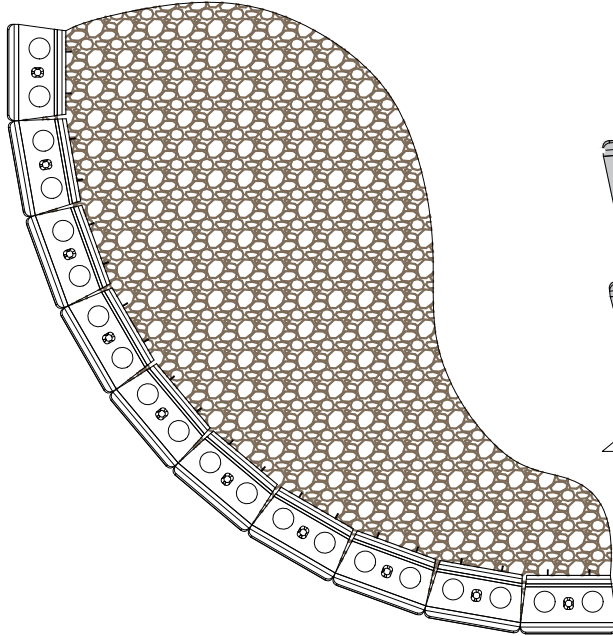
FILE: Geogrid Layout for Inside 90 Corner PC 012815.dwg

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Layout for Convex Curves and Radial Corners

Convex Layout (Outside Curve)



Place stone in joint
between adjacent
blocks

When blocks become
too closely spaced,
place fabric across joint
at back of blocks

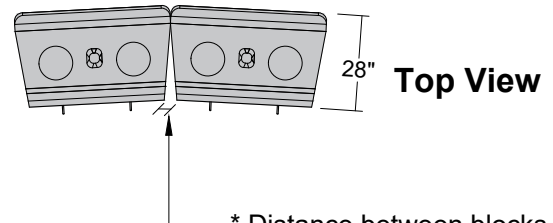
Concave Layout (Inside Curve)

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" (15 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" (19 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" (24 mm)
14	21'-0" (6.40 m)	16'-8" (5.08 m)	1.01" (26 mm)

* Distance between blocks is measured at the back of 28" (710 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.

14'-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

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DRAWN BY: VAB
APPROVED BY: DLH
DATE: 06-24-2021
SHEET: 1 of 1

TITLE: Concave and Convex Curves
Radial Corners Gravity Layout
FILE: Radial Corners Layout 062215.dwg

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