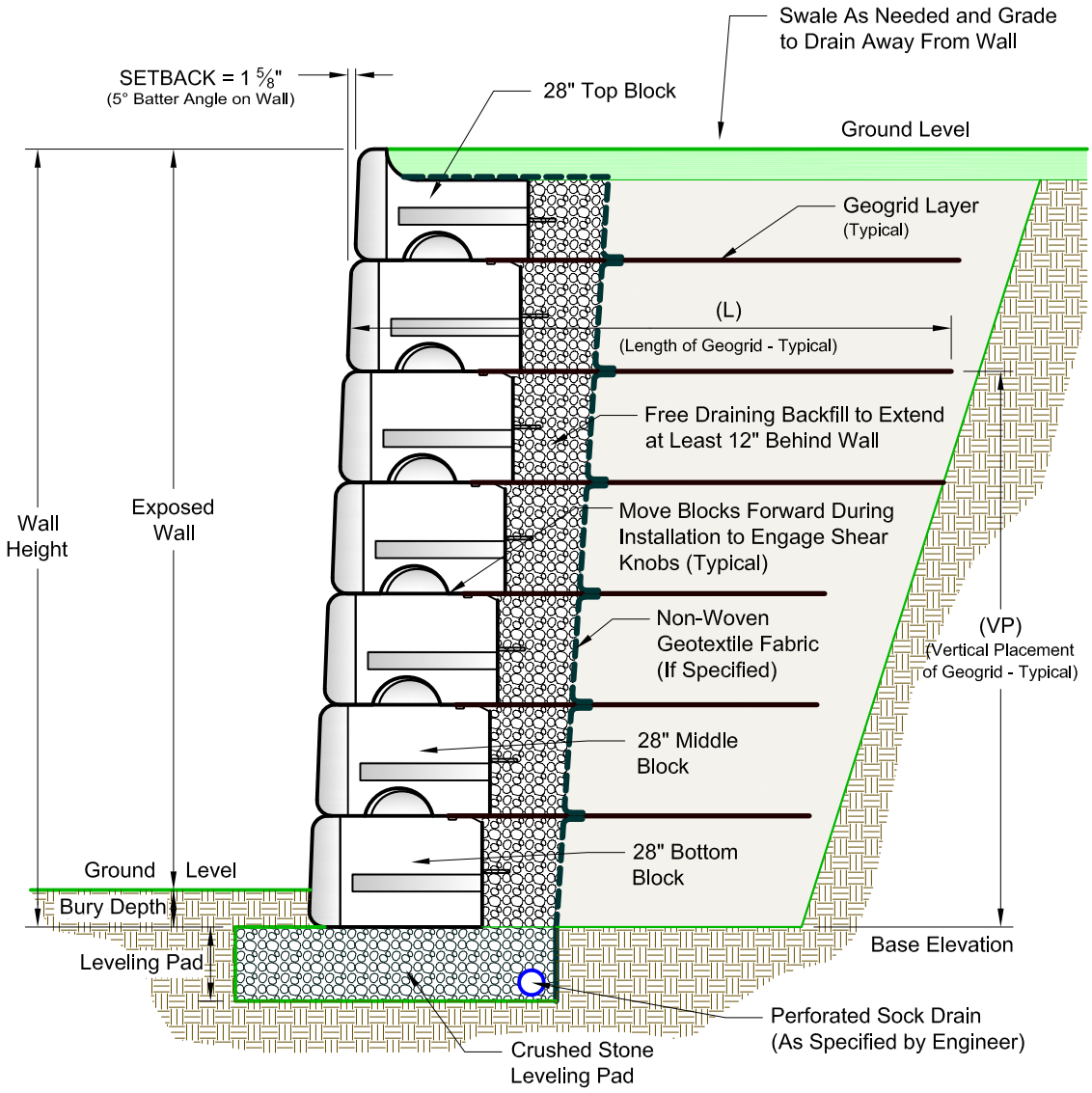
MSE Wall Section with Type 1-AT Connection

No Scale

(VP) = Vertical placement of geogrid layers. Measurements are from the base elevation.

(L) = Length of geogrid. Measurements are from the face of the block.



DRAWN BY:	JRJ	TITLE:	MSE Wall Section with Type 1-AT Connection
APPROVED BY:	JRJ		
DATE:	06-22-2015		
SHEET:	1 of 1	FILE:	MSE Wall Section with Type 1-AT Connection 070615.dwg

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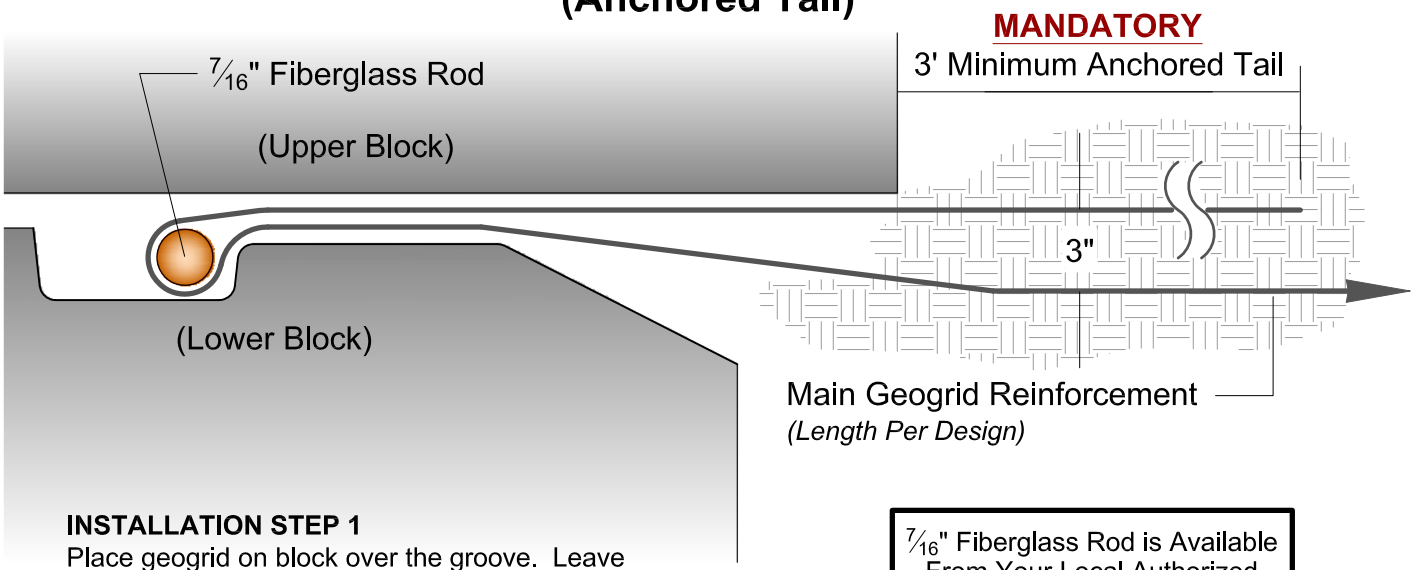
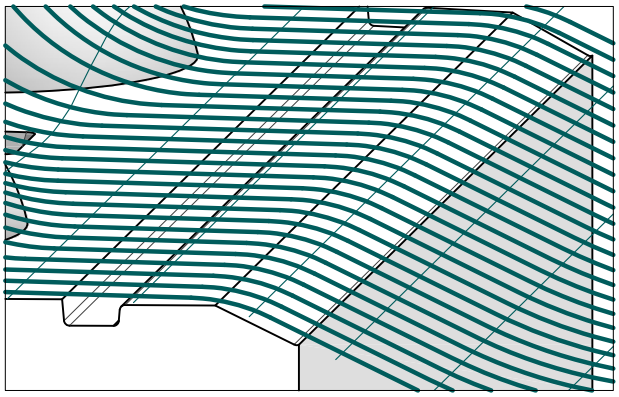
Type 1AT Connection

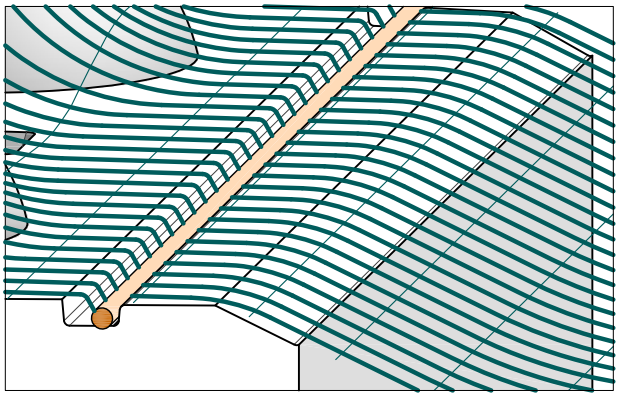
(Anchored Tail)



INSTALLATION STEP 1
Place geogrid on block over the groove. Leave about 3'-6" extending over the block past the groove to provide for the tail.



INSTALLATION STEP 2
Place the fiberglass rod on top of geogrid.

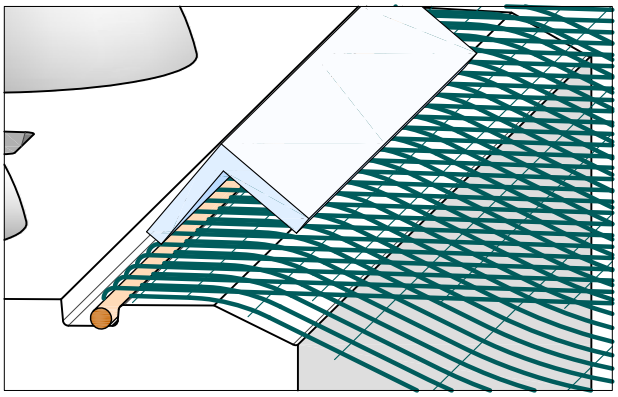


7/16" Fiberglass Rod is Available From Your Local Authorized Redi-Rock Dealer

See www.redi-rock.com for Geogrid Connection and Interface Shear Test Reports.

TIP FOR STEP 3
A steel angle can be used to hold the geogrid and rod in position.

INSTALLATION STEP 3
Fold the geogrid over the fiberglass rod. Pull to tighten rod snug with the back of the groove. Extend the geogrid tail behind the block to provide a minimum of 3'-0" embedment behind the back of the block.



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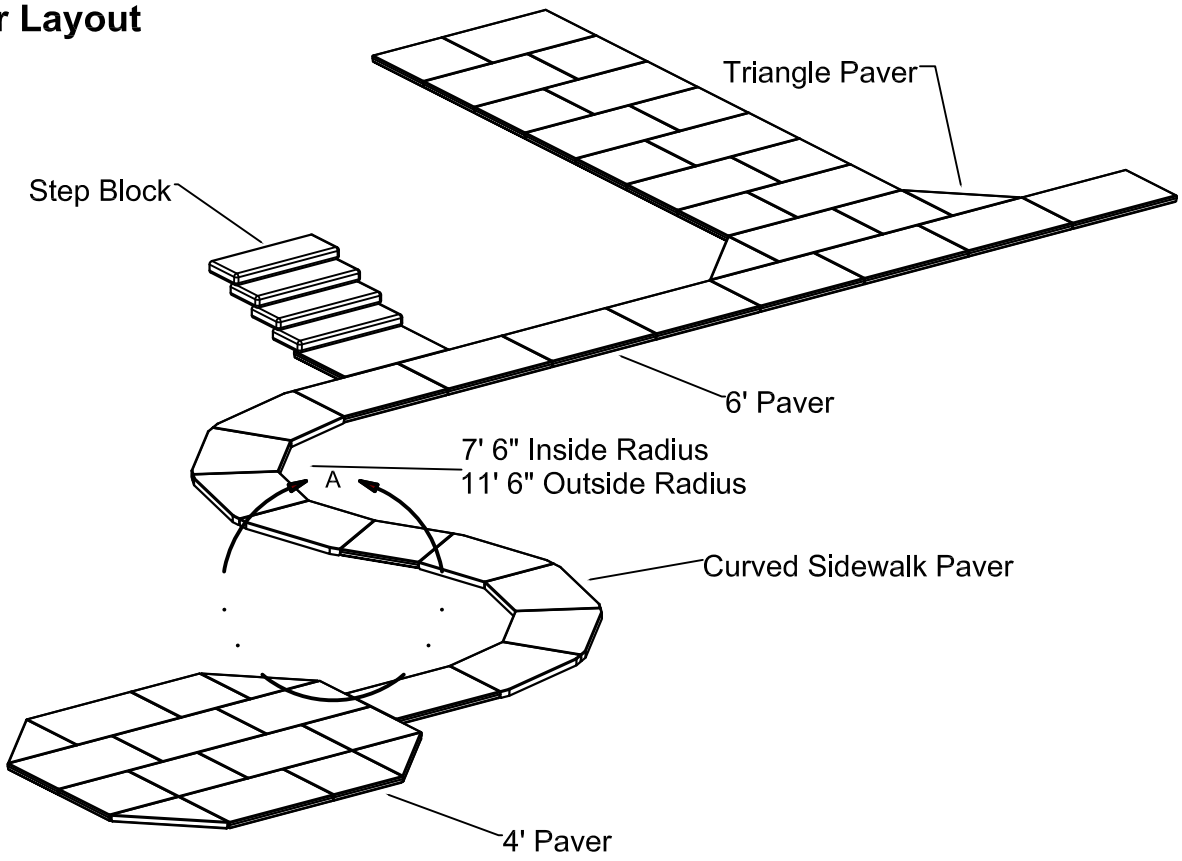
Four Block Shapes - Multiple Designs

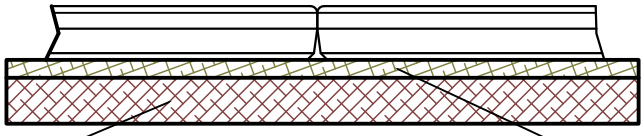
4" Paver Layout Options



Paver Installation

DETAIL A
12H : 1V Slope

DETAIL B



4" footing bearing material shall be gravel compacted to 95% of standard proctor (or as specified by engineer).

1" to 1 1/2" compacted sand screeded smooth for bedding pavers.

DRAWN BY:	JRJ	TITLE: Paver Slab Layout Details	REDI-ROCK® 05481 US 31 SOUTH, CHARLEVOIX, MI 49720 (866) 222-8400 ext 3010 • engineering@redi-rock.com www.redi-rock.com
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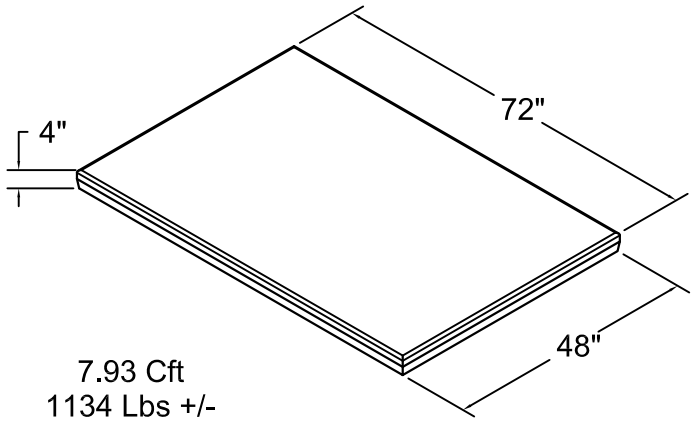
DATE:	06-22-2015		
SHEET:	1 of 1	FILE: 2 Paver Slab Layout Details 062215.dwg	

Quarried Paver Series

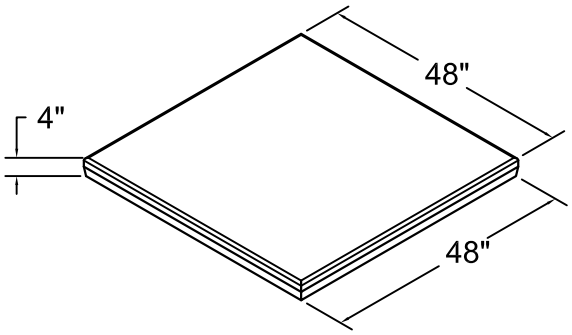
Pavers come standard with smooth sides. Any side can be replaced with textured surface. Most commonly used pavers are shown below.

6' Pavers



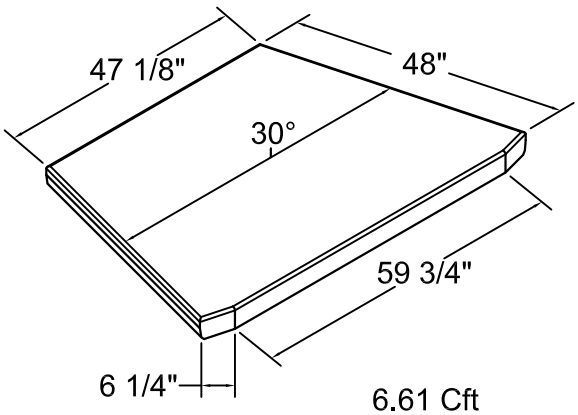
7.93 Cft
1134 Lbs +/-

4' Pavers



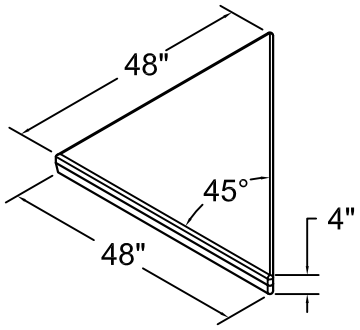
5.28 Cft
755 Lbs +/-

Curved Sidewalk Paver



6.61 Cft
945 Lbs +/-

Triangle Paver



2.63 Cft
376 Lbs +/-

Embedments or openings may be placed at any location.

DRAWN BY:	JRJ	TITLE:	Quarried Paver Slabs
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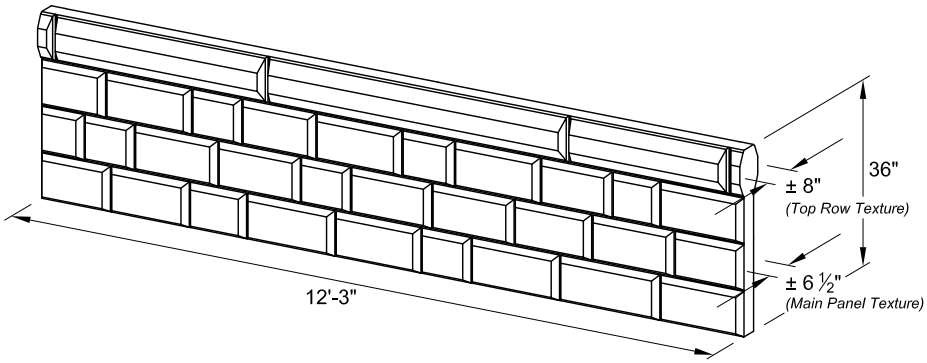
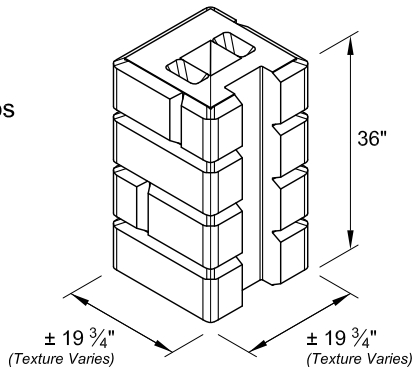
Panel Wall Series

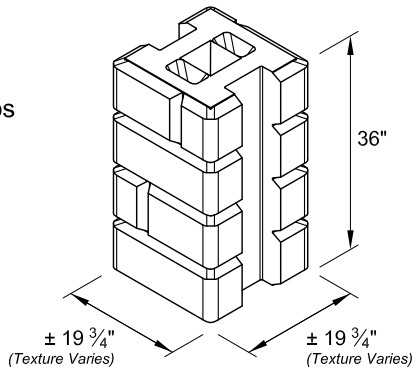
Panel
Volume = 18.6 cft
Weight = ± 2660 lbs



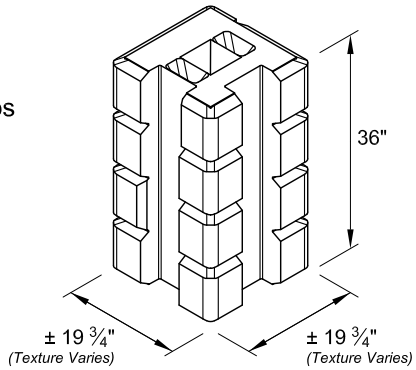
End Column
Volume = 6.7 cft
Weight = ± 960 lbs



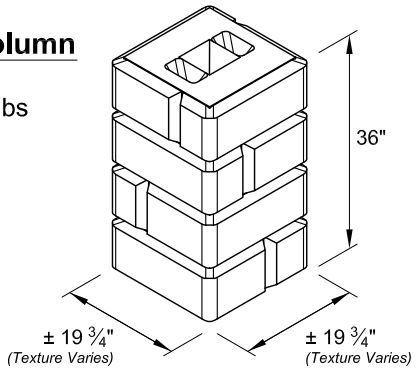
Inline Column
Volume = 6.2 cft
Weight = ± 890 lbs



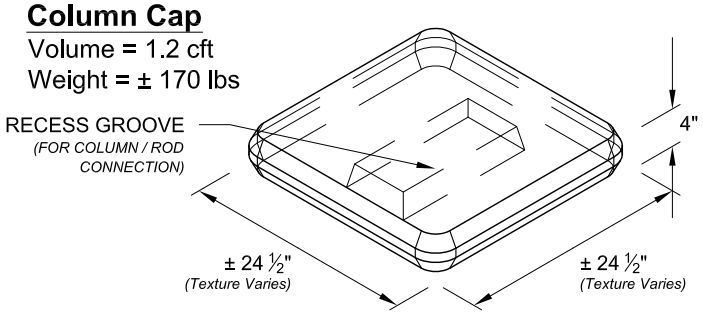
90° Column
Volume = 6.2 cft
Weight = ± 890 lbs



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



Column Cap
Volume = 1.2 cft
Weight = ± 170 lbs



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APPROVED BY:	JRJ
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TITLE: Panel Wall Series

FILE: 4 Panel Wall Series 062215.dwg

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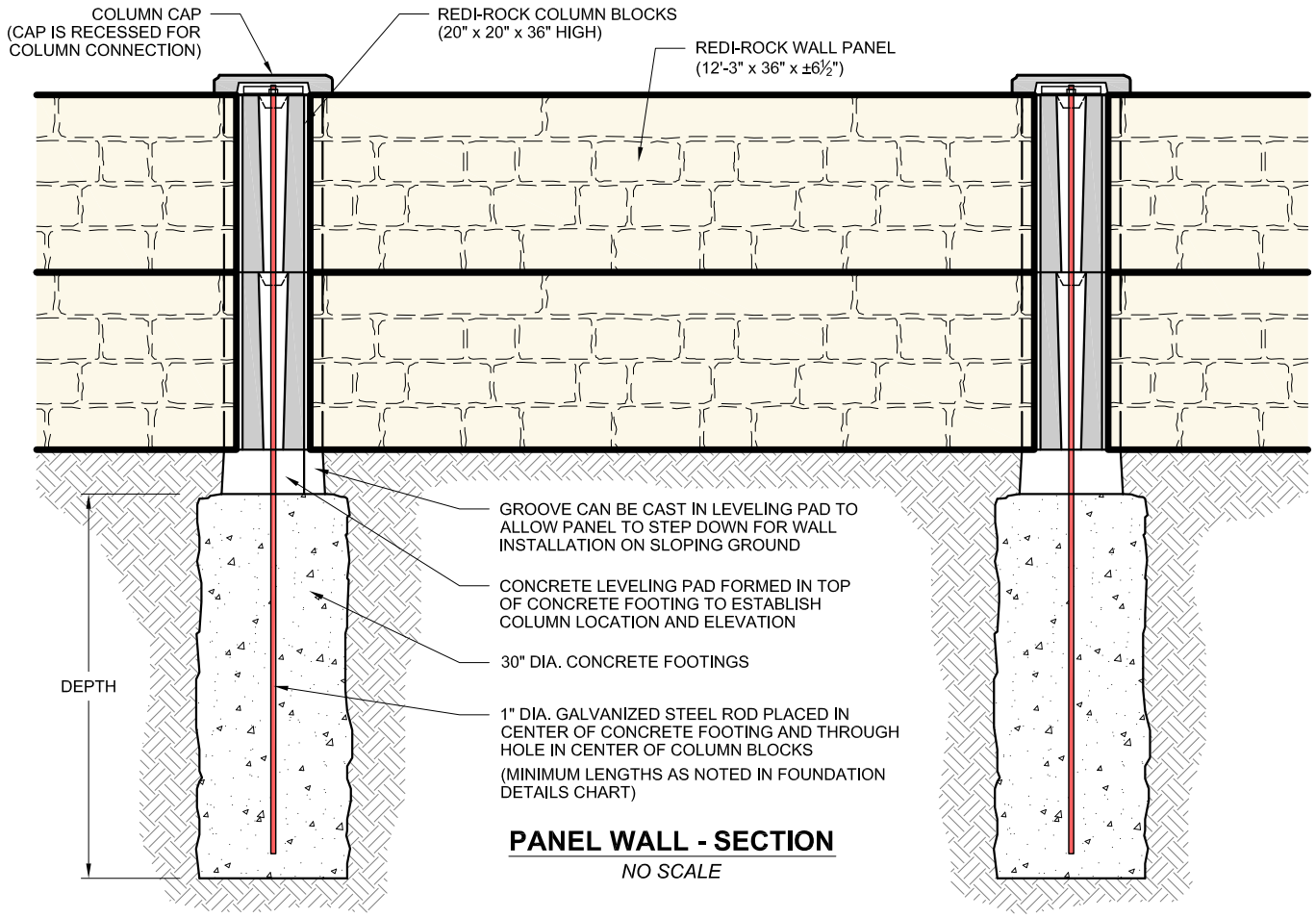


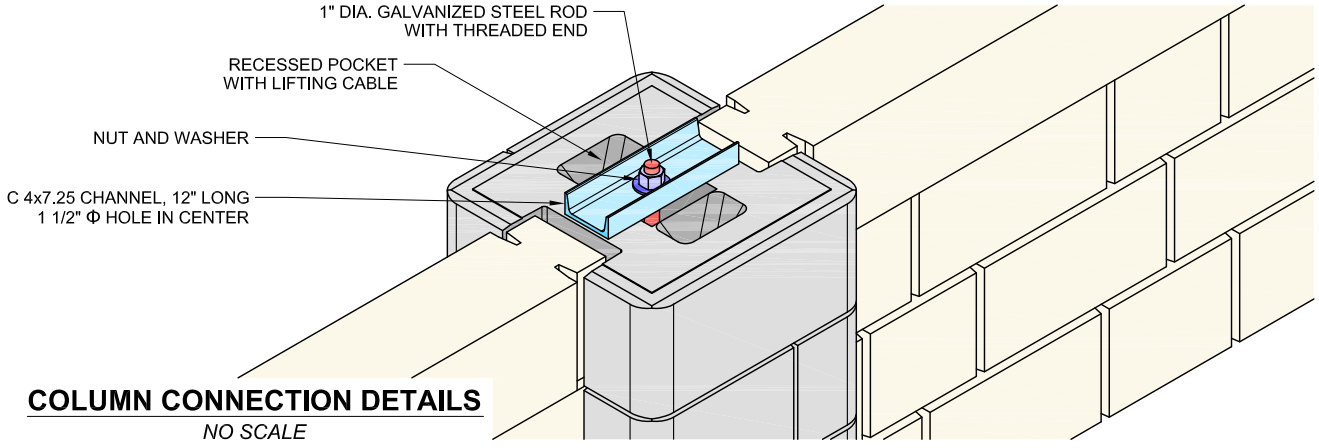
PANEL WALL - SECTION

NO SCALE

FOUNDATION DETAILS

WALL HEIGHT	FOOTING DEPTH SILTY CLAY	FOOTING DEPTH SAND, GRAVEL	FOOTING DIA.	COLUMN SIZE	COLUMN / FOOTING SPACING	1" DIAMETER GALVANIZED ROD
3'-0"	4'-6"	3'-6"	2'-6"	20" x 20" x 36"	13'-6" O.C.	8'-0" LONG (3'-2" EXPOSED)
6'-0"	6'-6"	5'-6"	2'-6"	20" x 20" x 36"	13'-6" O.C.	13'-0" LONG (6'-2" EXPOSED)
9'-0"	8'-0"	6'-6"	2'-6"	20" x 20" x 36"	13'-6" O.C.	17'-6" LONG (9'-2" EXPOSED)

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



COLUMN CONNECTION DETAILS

NO SCALE

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TITLE: Panel Wall 20" Column Details

FILE: 5 Panel Wall 20in Column Details 062215.dwg

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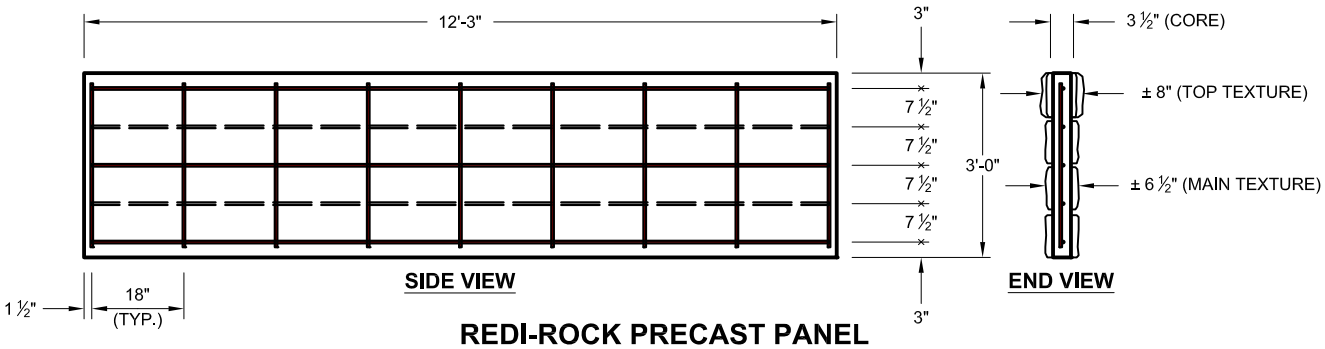


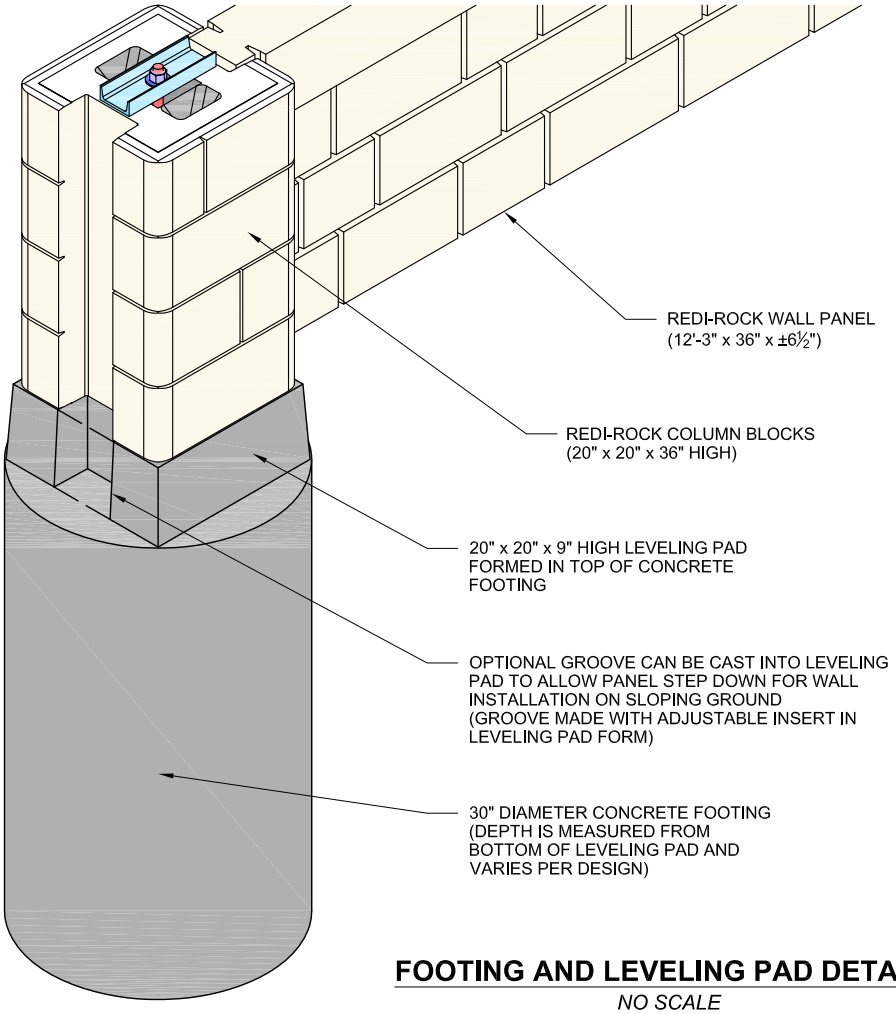
REDI-ROCK PRECAST PANEL

NO SCALE

REINFORCEMENT DETAILS - 90 mph MAXIMUM WIND SPEED

WIND SPEED	HORIZONTAL REINFORCEMENT	VERTICAL REINFORCEMENT
90 mph *	(3) #4 BARS, 12'-0" LONG, AT 15" O.C.	(9) #4 BARS, 2'-8" LONG, AT 18" O.C.
150 mph	(5) #4 BARS, 12'-0" LONG, AT 7 1/2" O.C.	(9) #4 BARS, 2'-8" LONG, AT 18" O.C.

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



FOOTING AND LEVELING PAD DETAILS

NO SCALE

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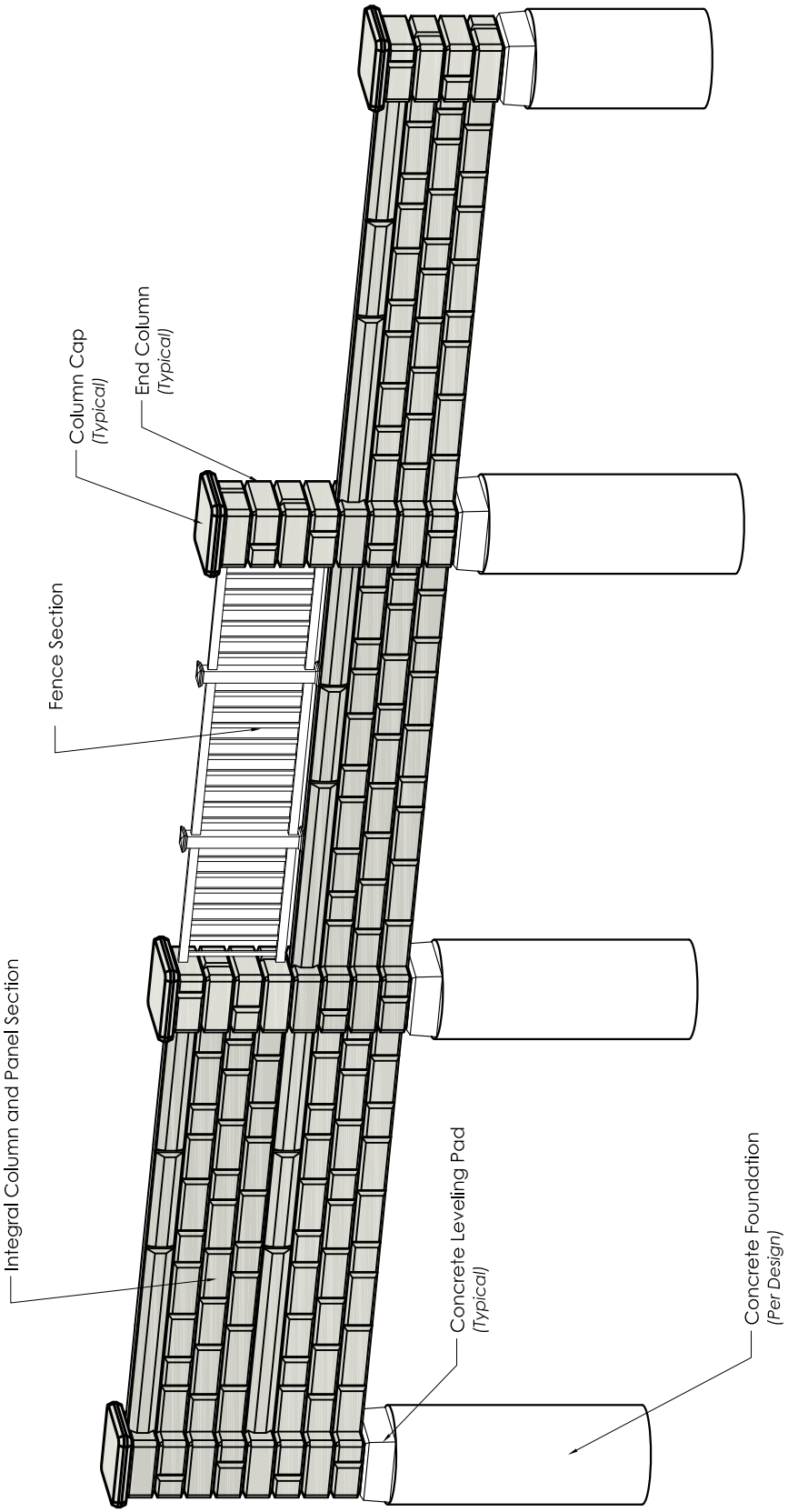
SHEET:	2 of 2	FILE: 5 Panel Wall 20in Column Details 062215.dwg	



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DATE:	06-22-2015
SHEET:	1 of 1

TITLE:

Panel Wall Assembly Options

FILE: 7 Panel Wall Assembly Options 062215.dwg

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