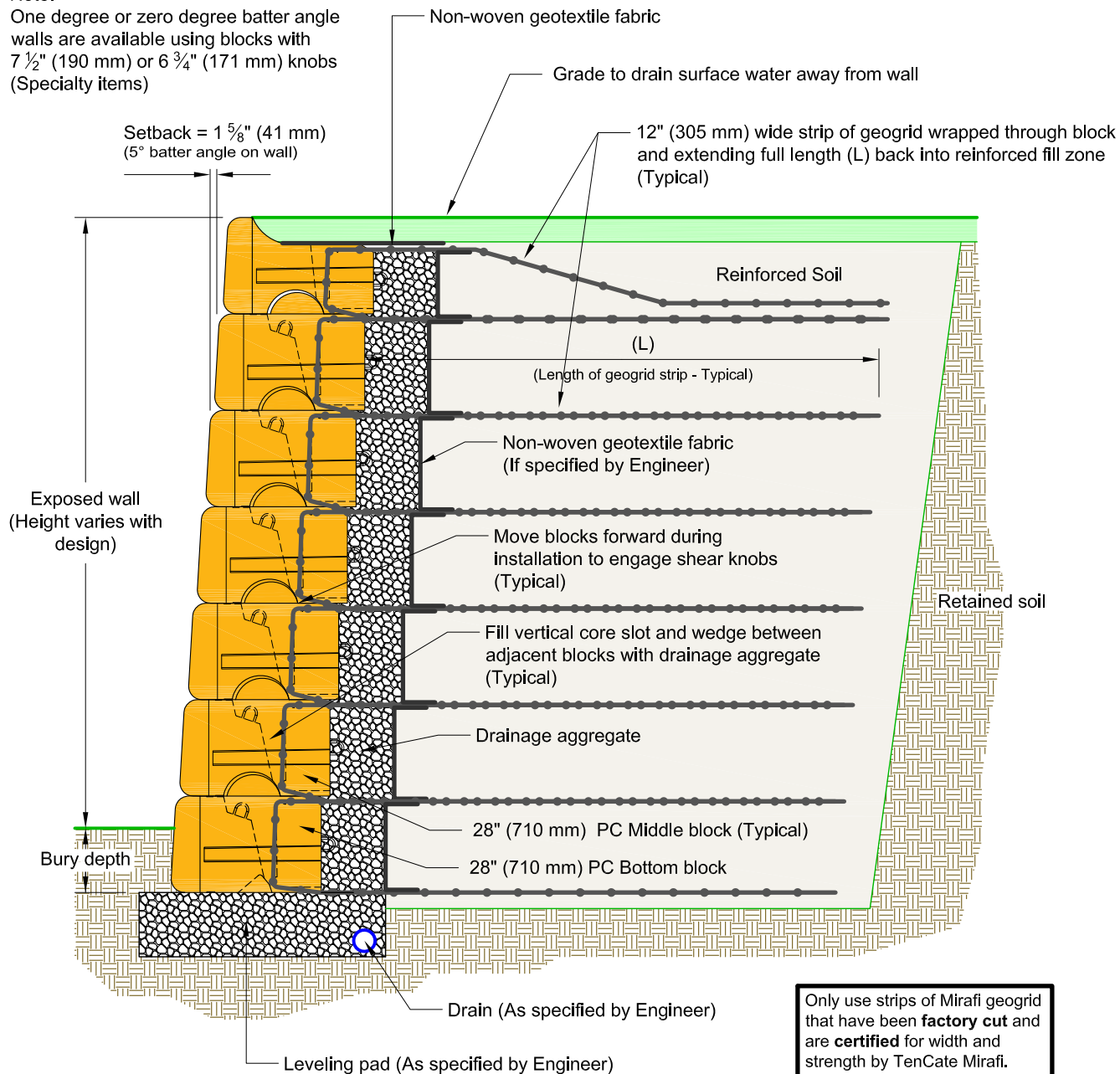



Typical Reinforced Wall Section

One degree or zero degree batter angle walls are available using blocks with 7 1/2" (190 mm) or 6 3/4" (171 mm) knobs (Specialty items)

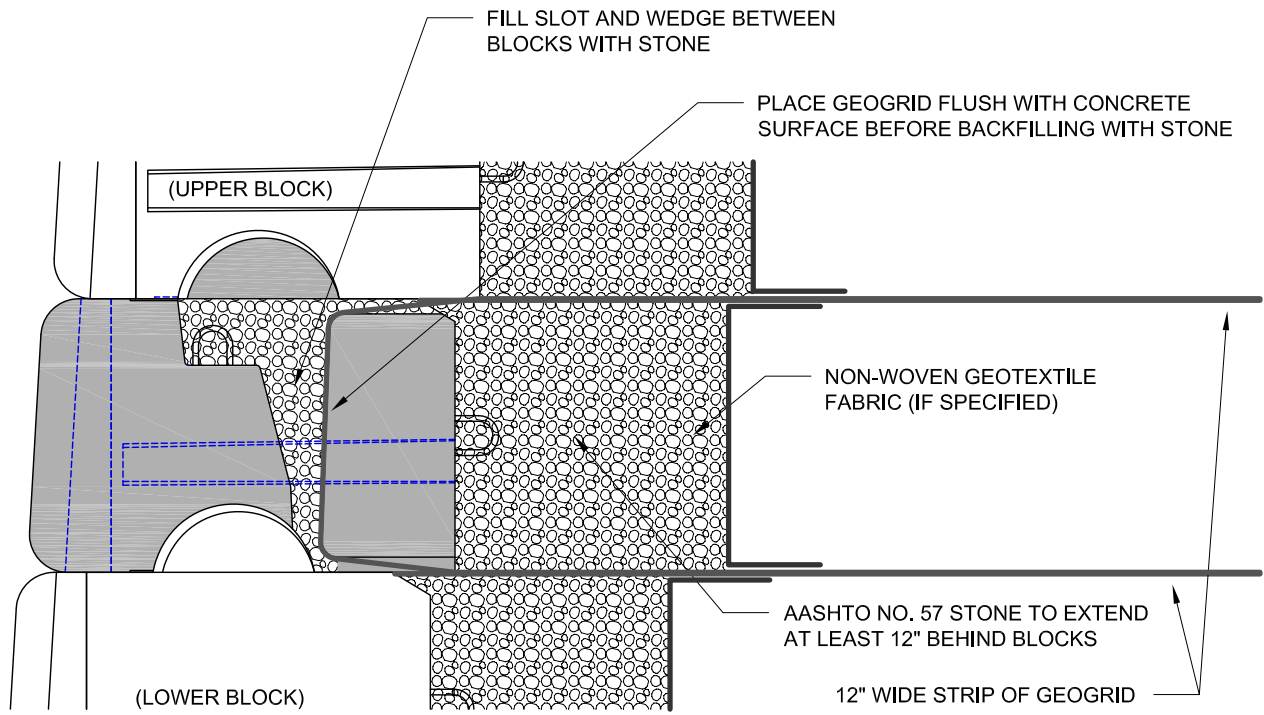


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DRAWN BY:	JRJ	TITLE: Typical Reinforced Wall Section	 05481 US 31 SOUTH, CHARLEVOIX, MI 49720 (866) 222-8400 ext 3010 • engineering@redi-rock.com www.redi-rock.com
APPROVED BY:	JRJ		
DATE:	17MAR2016		
SHEET:	1 of 1		

POSITIVE CONNECTION (PC) DETAILS

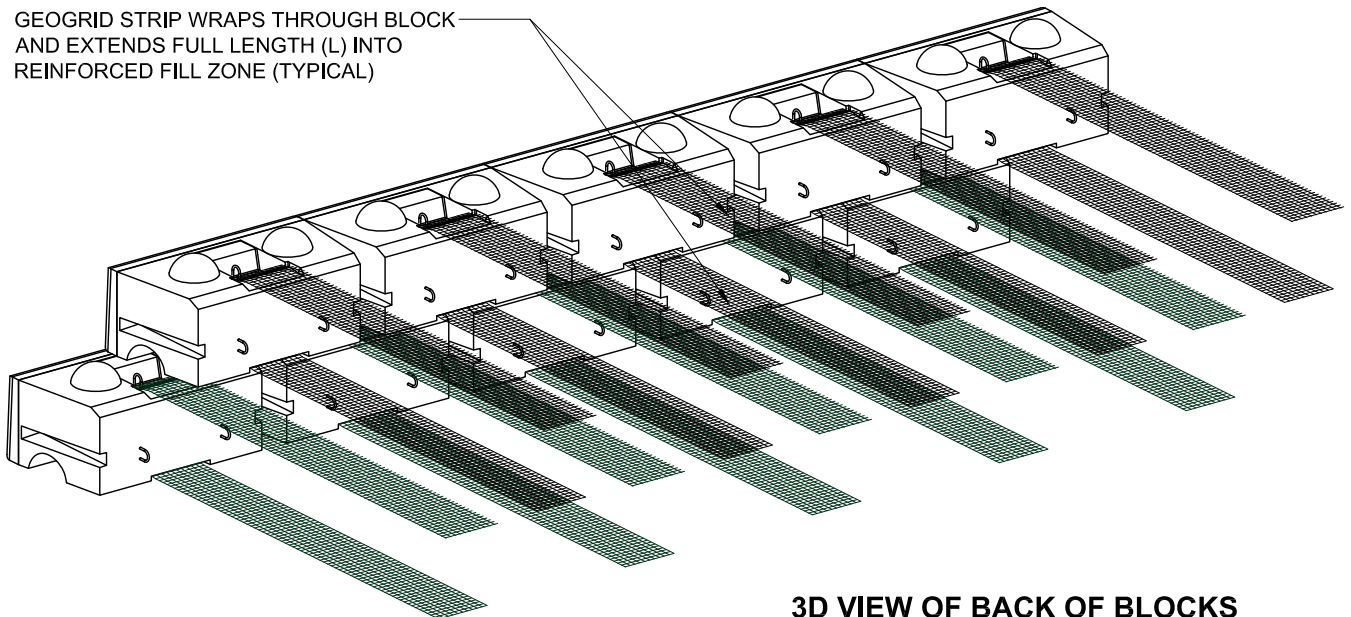
NO SCALE



SECTION VIEW THROUGH BLOCKS

NO SCALE

GEOGRID STRIP WRAPS THROUGH BLOCK AND EXTENDS FULL LENGTH (L) INTO REINFORCED FILL ZONE (TYPICAL)



3D VIEW OF BACK OF BLOCKS

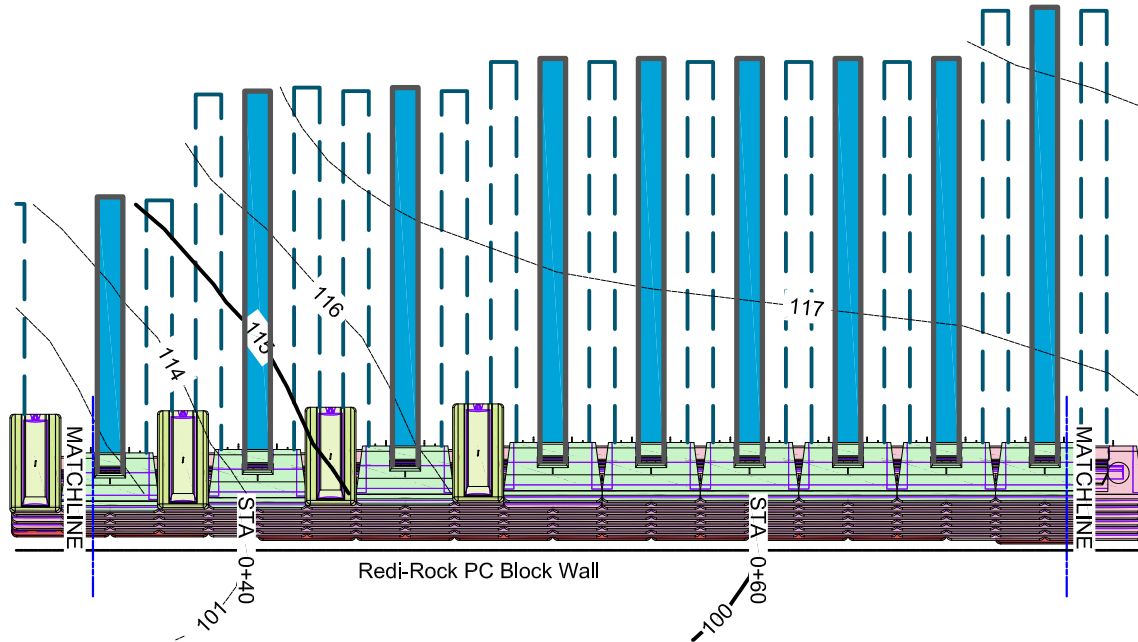
NO SCALE

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

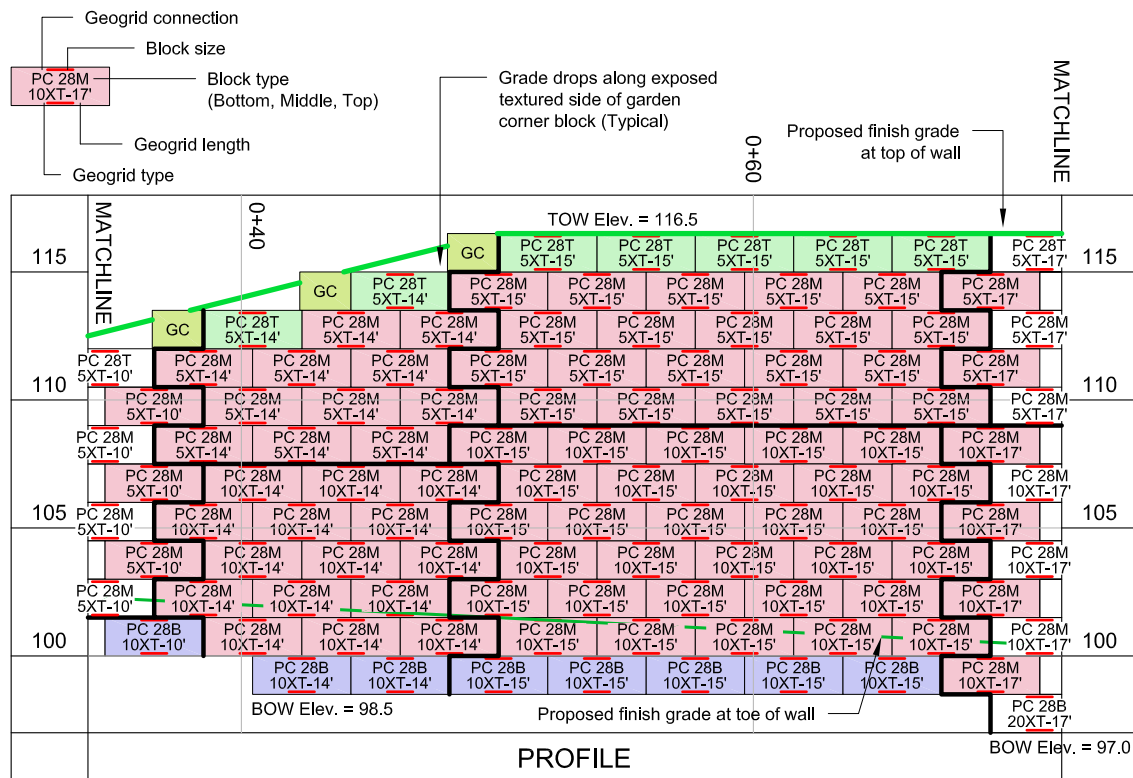
TITLE: Positive Connection Detail
FILE: 1 Positive Connection Detail 062215.dwg

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Sample Plan and Profile



LEGEND:



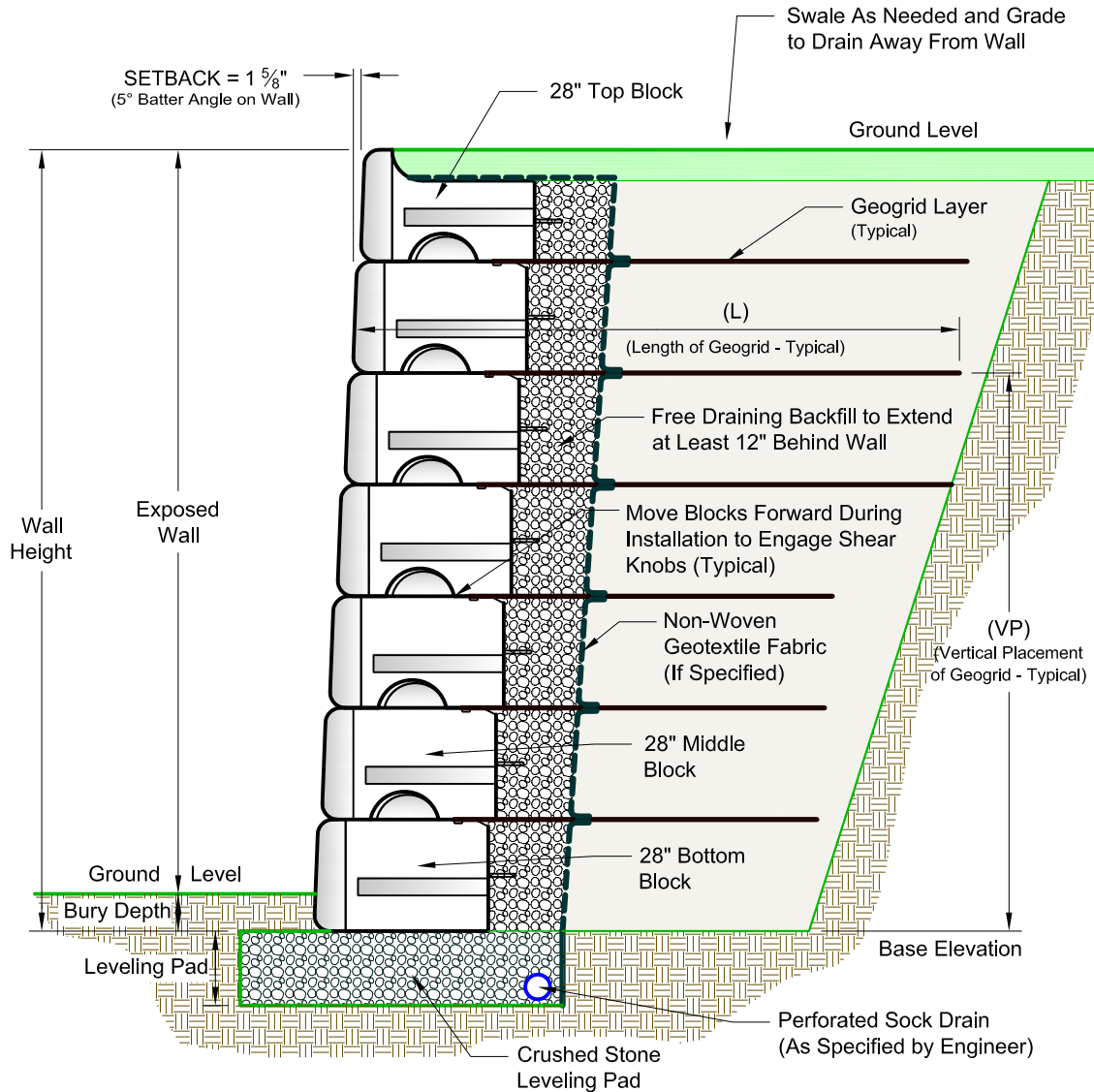
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MSE Wall Section with Type 1-AT Connection

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.



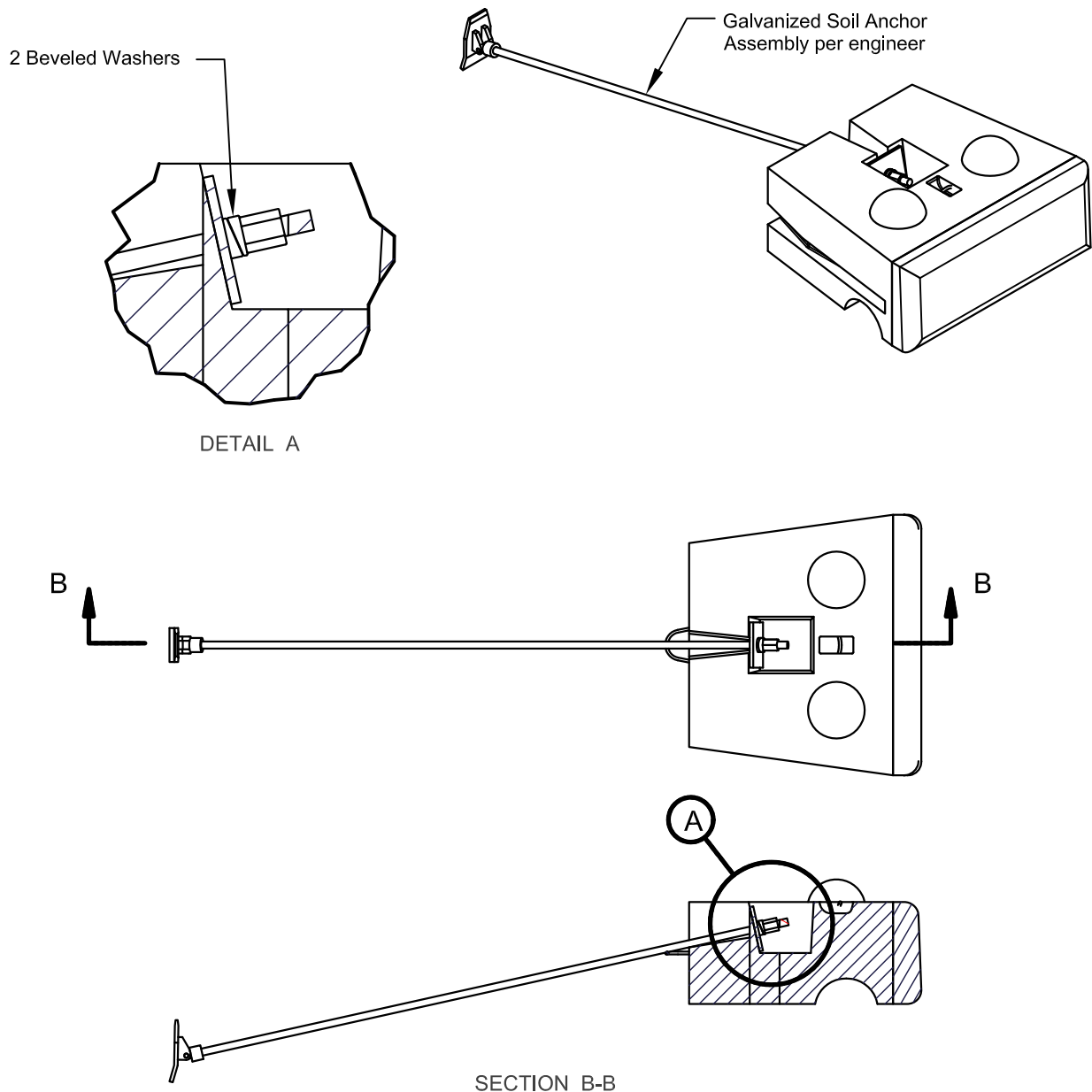
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APPROVED BY: JRJ
DATE: 06-22-2015
SHEET: 1 of 1

TITLE: MSE Wall Section with
Type 1-AT Connection
FILE: MSE Wall Section with Type 1-AT Connection 070615.dwg

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Anchor Block Retaining System



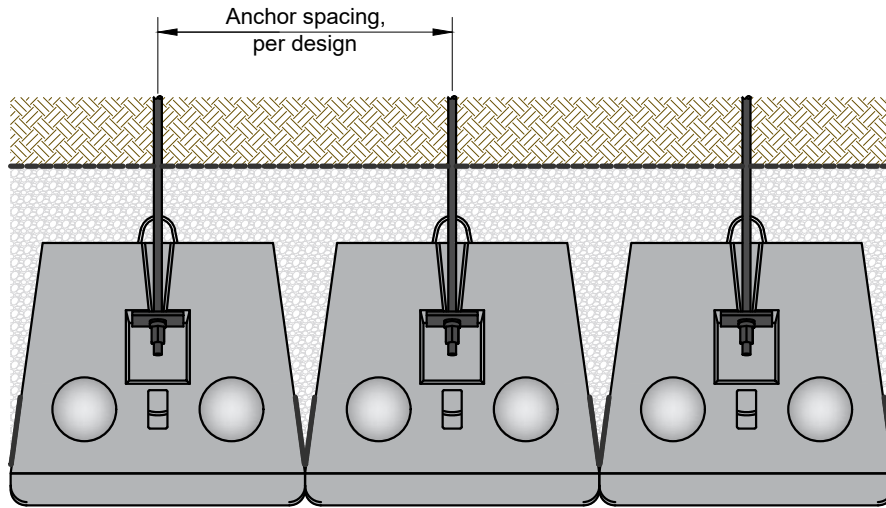
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DRAWN BY:	JRJ
APPROVED BY:	JRJ
DATE:	06-22-2015
SHEET:	1 of 1

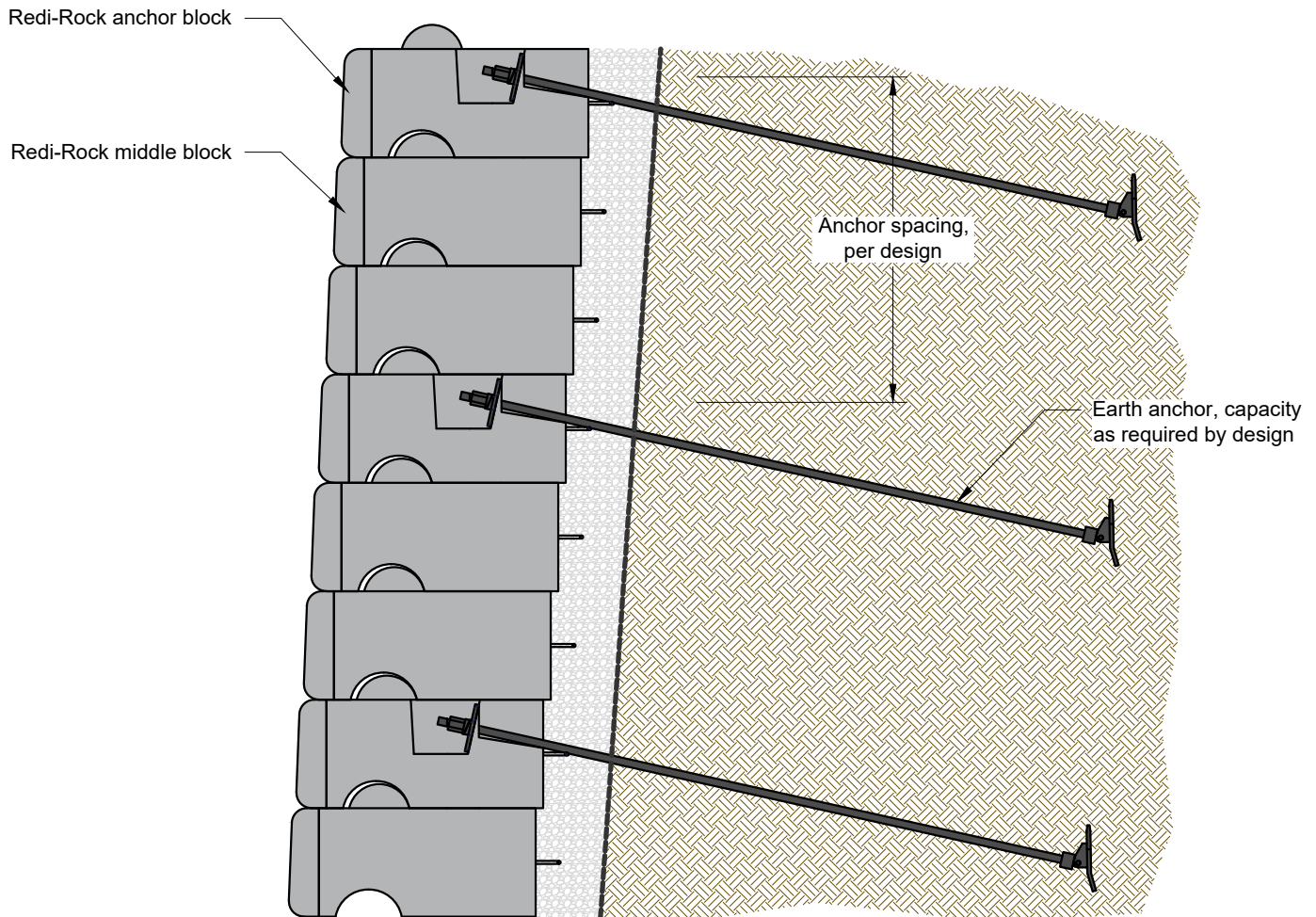
TITLE:	Anchor Block Retaining System	
FILE:		1 Anchor Block Retaining System 062215.dwg

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Typical Section



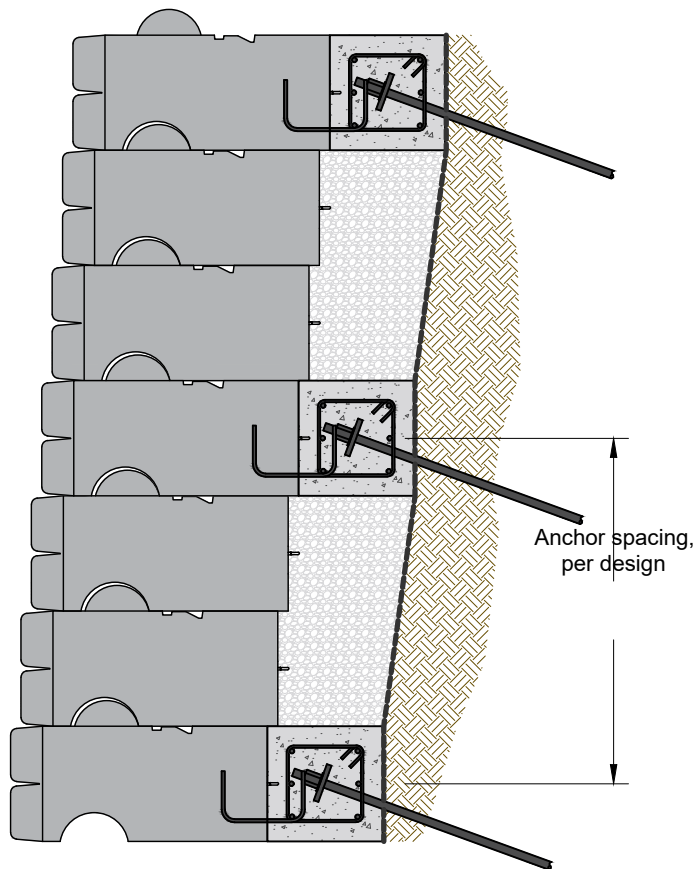
PLAN VIEW



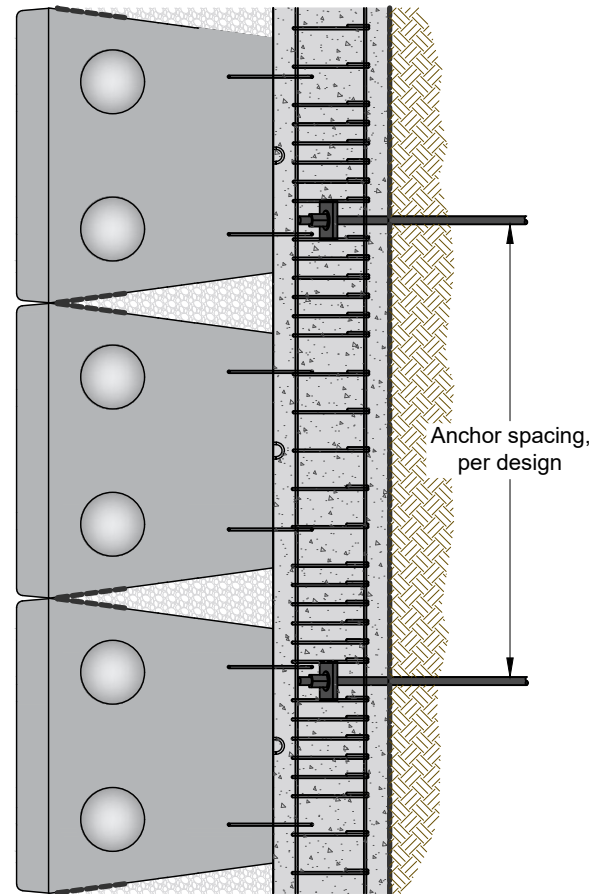
CROSS-SECTION

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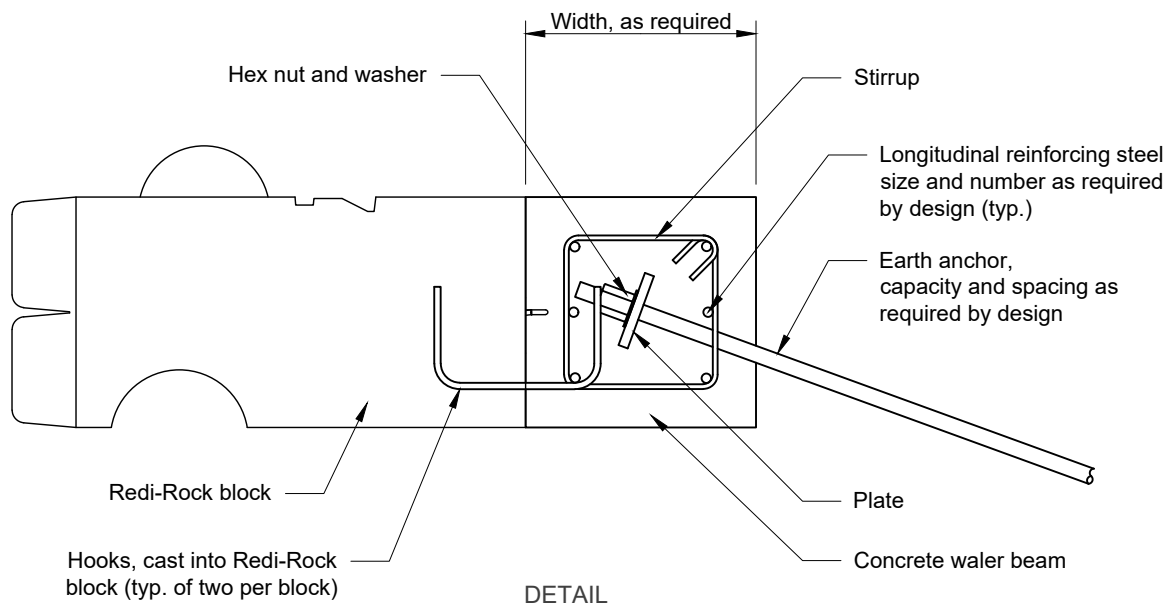
DRAWN BY:	NWL	TITLE:	Anchor Block Retaining System	REDI-ROCK® 05481 US 31 SOUTH, CHARLEVOIX, MI 49720 (866) 222-8400 ext 3010 • engineering@redi-rock.com www.redi-rock.com
APPROVED BY:	NWL			
DATE:	27JUL2018			
SHEET:	1 of 1	FILE:	2 Anchor Block Retaining System 072718.dwg	



CROSS-SECTION



PLAN VIEW



DETAIL

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DRAWN BY:	NWL
APPROVED BY:	NWL
DATE:	23JUL2018
SHEET:	1 of 1

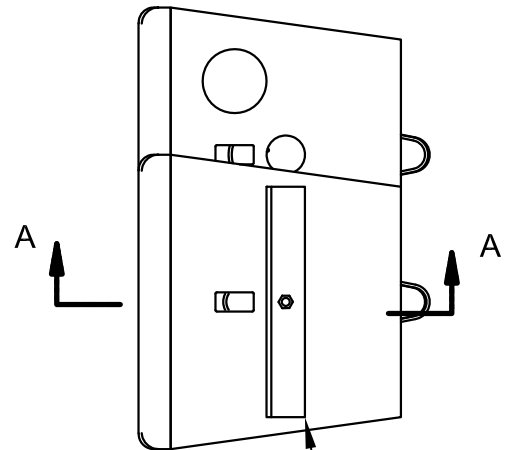
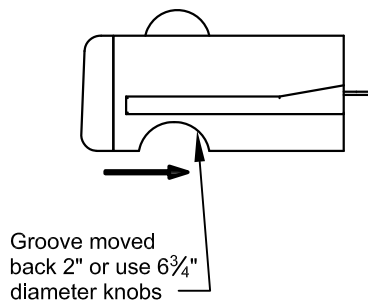
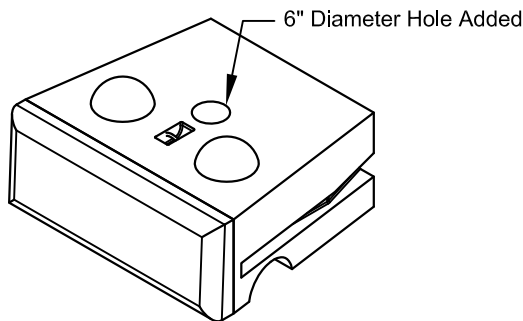
TITLE:	Anchor and Waler Beam Detail
FILE:	Anchor and waler beam detail 072318.dwg

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Vertical Tie-Down System

Hot-Dip Galvanized Vertical Rods and steel plates at the bottom and steel angle at the top may be bolted together for specific needs where retaining walls require a vertical tie down.

Note: In these applications the blocks are modified by using a ZERO setback per block with 6 $\frac{3}{4}$ " diameter knobs and adding 6" diameter holes to accommodate the vertical rods, in each block.



Steel Angle

NOTE: Groove is moved 2" back or use 6 $\frac{3}{4}$ " diameter knobs so blocks stack vertically.

Galvanized Threaded Rod

Coupler welded to steel plate

SECTION A-A

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

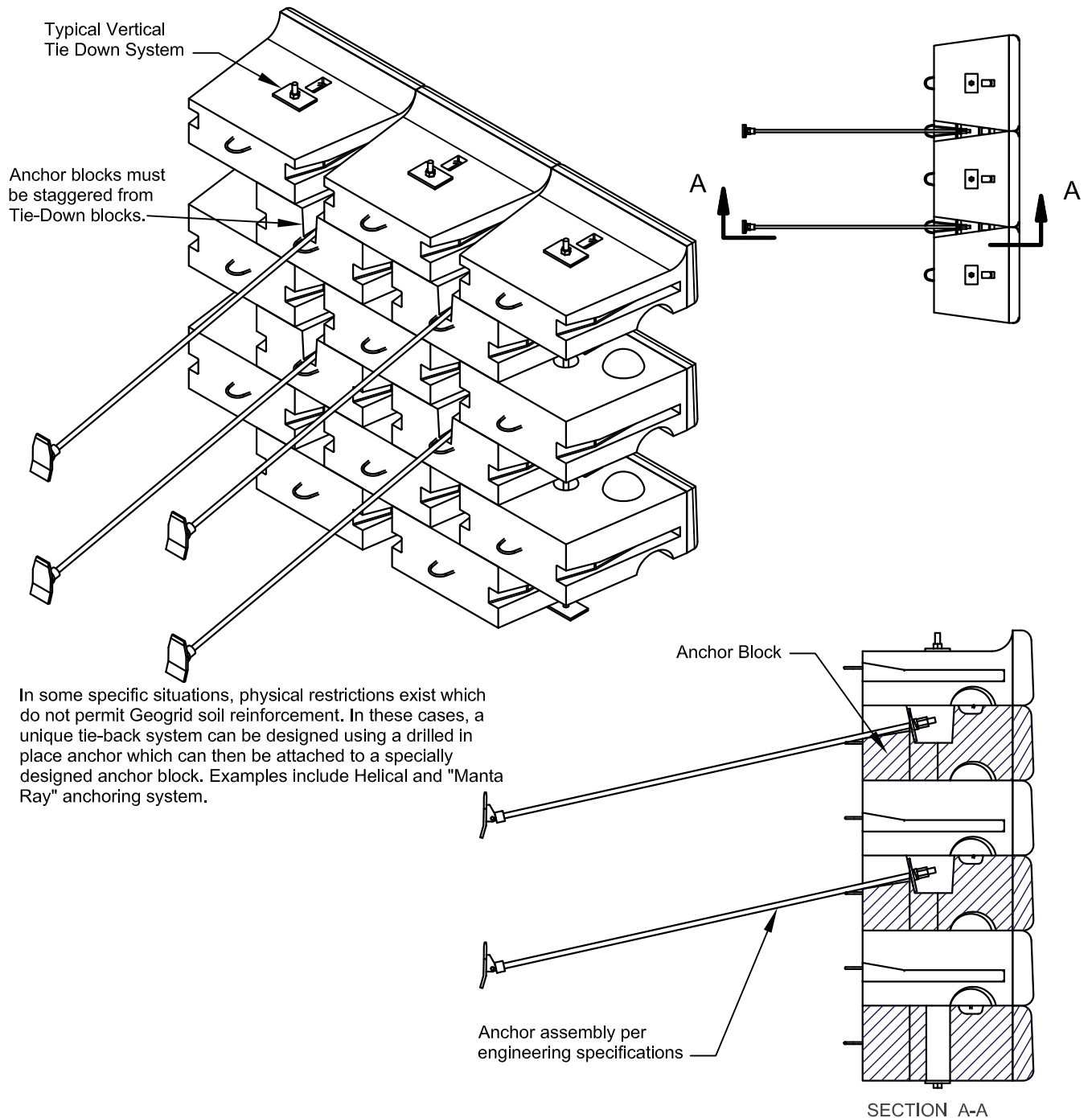
TITLE:

Vertical Tie-Down System

FILE: 2 Vertical Tie-Down System 062215.dwg

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Vertical Tie-Down System with Earth Anchors



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

TITLE: Vertical Tie-Down System with Earth Anchors
 FILE: 3 Vertical Tiedown System with Earth Anchors 062215.dwg

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Type 1AT Connection (Anchored Tail)

MANDATORY

3' Minimum Anchored Tail

$\frac{7}{16}$ " Fiberglass Rod

(Upper Block)

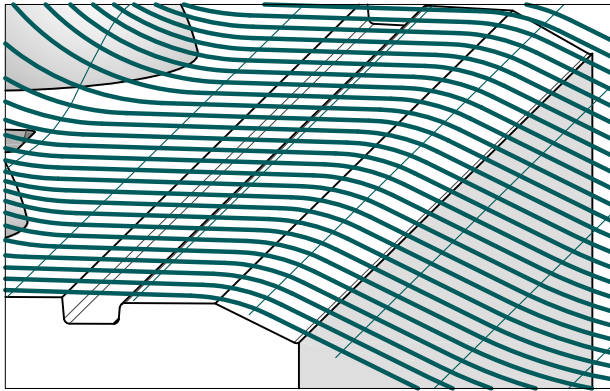
(Lower Block)

3"

Main Geogrid Reinforcement
(Length Per Design)

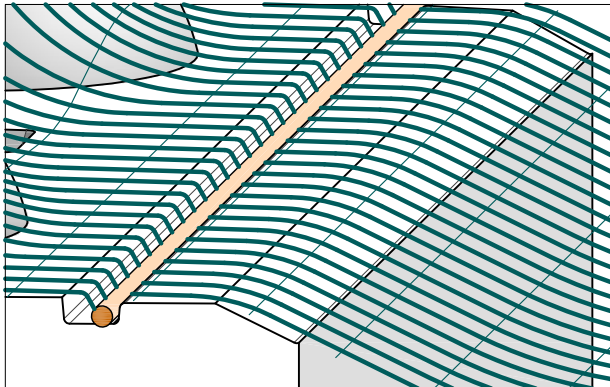
INSTALLATION STEP 1

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.



$\frac{7}{16}$ " Fiberglass Rod is Available
From Your Local Authorized
Redi-Rock Dealer

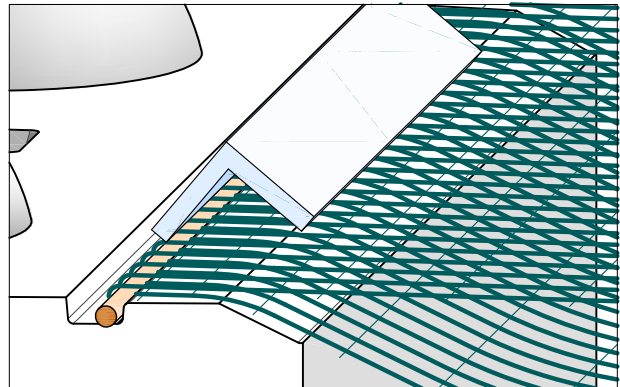
See www.redi-rock.com for
Geogrid Connection and
Interface Shear Test Reports.

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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DATE: 06-22-2015
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TITLE:

Type 1-AT Connection

FILE: 1 Type 1-AT Connection 062215.dwg

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