# STONE STRONG 6-44 RETAINING WALL TOP UNIT-STONE STRONG 24-44 RETAINING WALL UNIT-UNIT FILL-AUTOMATIC SET BACK (4" PER UNIT) -Ξ̈́ -ALTERNATE DRAIN TILE LOCATION -DRAIN TILE WALL BASE (SEE DETAIL).

### NOTES:

- 1. DRAIN TILE MAY BE ELIMINATED AT THE DISCRETION OF THE SITE ENGINEER.
- DAYLIGHT DRAIN TILE AT LOW POINTS THROUGH WALL FACE OR AT ENDS; MAXIMUM SPACING 100 FEET OR PER SITE CONDITIONS.
- 2. LIFTING LOOPS ARE FOR SETTING UNITS AND ALSO TO AID IN ALIGNMENT, BUT ARE NOT REQUIRED FOR STABILITY. LOOPS MAY BE REMOVED OR ADJUSTED OR MAY NOT ALIGN WITH BOTTOM RECESS IN SOME APPLICATIONS.

# GRAVITY WALL CROSS SECTION

NOT TO SCALE

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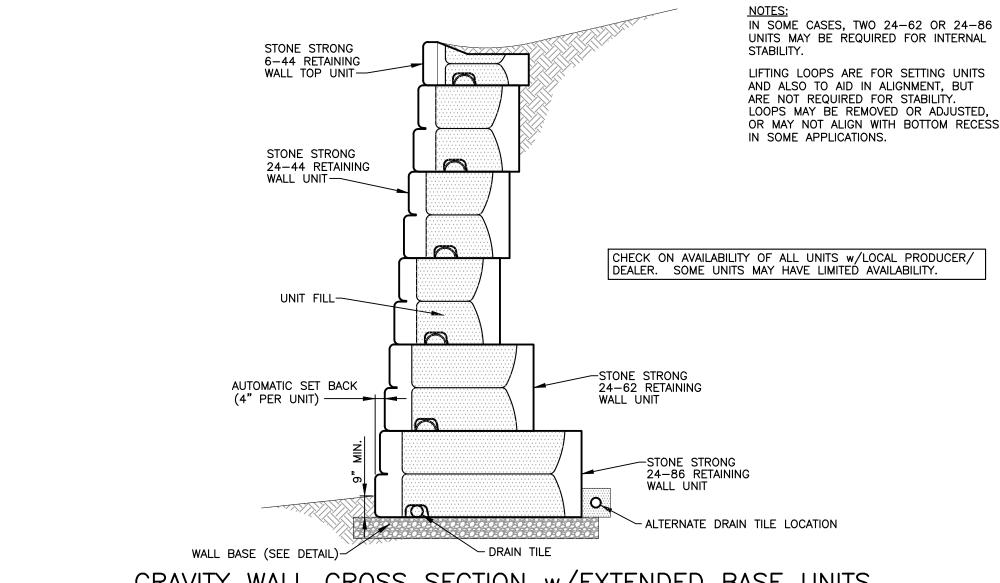


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DATE: 10/13/23 | FILE: 01\_24-44.XSec.Grav



### CROSS SECTION EXTENDED BASE UNITS GRAVITY WALL

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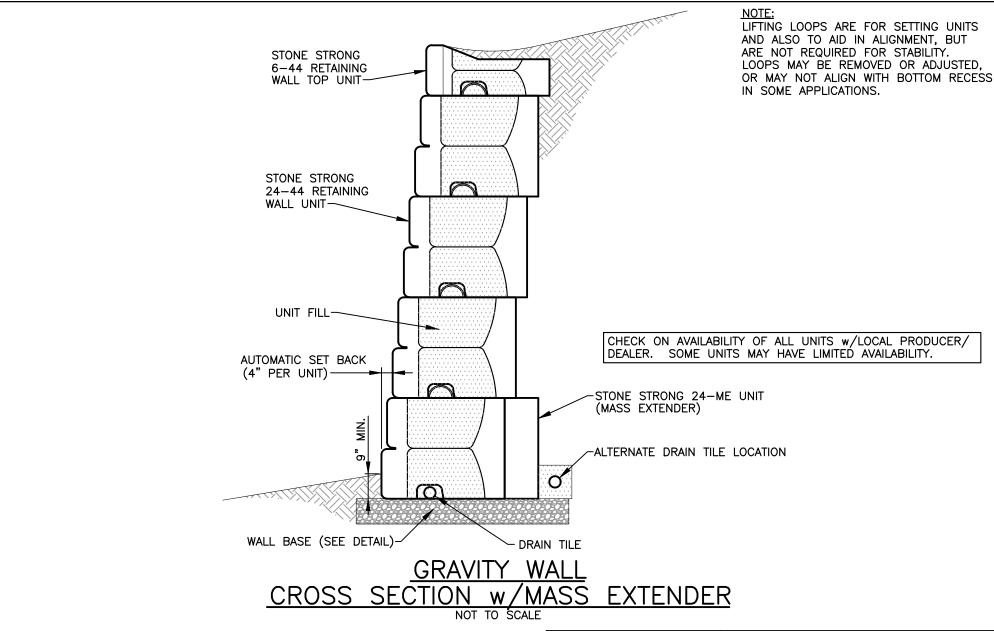


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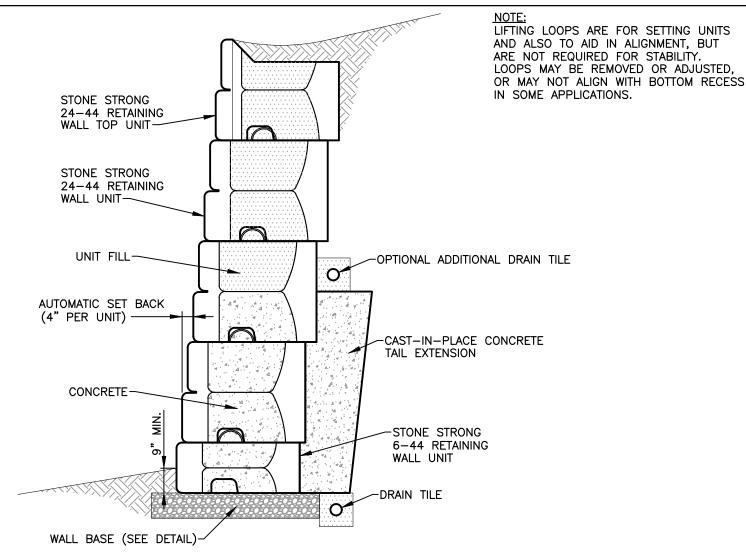


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# GRAVITY WALL CROSS SECTION w/CONCRETE TAIL EXTENSION NOT TO SCALE

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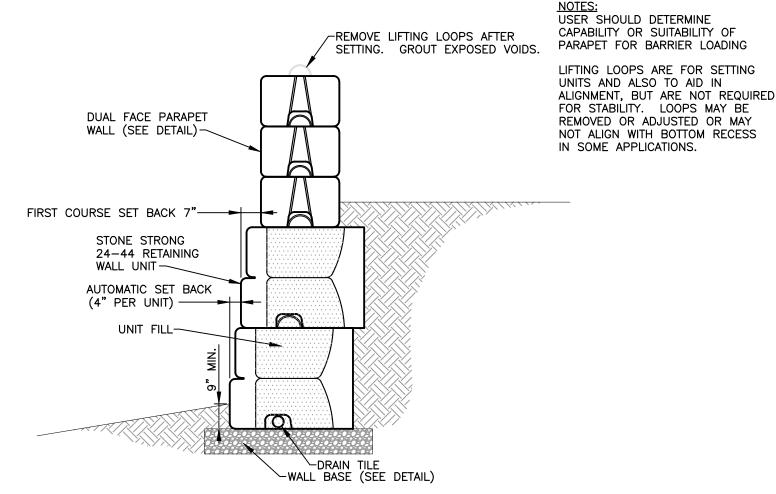


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DATE: 10/13/23 | FILE: 04\_24-44.XSec.CIP



# GRAVITY WALL CROSS SECTION w/DUAL FACE PARAPET WALL

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### SITE ENGINEER. 2. DAYLIGHT DRAIN TILE AT LOW STONE STRONG POINTS THROUGH WALL FACE OR 6-44 RETAINING AT ENDS; MAXIMUM SPACING 100 WALL TOP UNIT-FEET OR PER SITE CONDITIONS. STONE STRONG 3. LIFTING LOOPS ARE FOR SETTING 6-44 RETAINING UNITS AND ALSO TO AID IN WALL UNIT-ALIGNMENT, BUT ARE NOT REQUIRED FOR STABILITY. LOOPS MAY BE REMOVED OR ADJUSTED OR MAY NOT ALIGN WITH BOTTOM RECESS UNIT FILL-IN SOME APPLICATIONS. AUTOMATIC SET BACK (2" PER UNIT) Ϊ ALTERNATE DRAIN TILE LOCATION

# GRAVITY WALL CROSS SECTION

─DRAIN TILE -WALL BASE (SEE DETAIL)

NOT TO SCALE

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NOTES:

1. DRAIN TILE MAY BE ELIMINATED AT THE DISCRETION OF THE

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# STONE STRONG 6-28 RETAINING WALL TOP UNIT UNIT FILL AUTOMATIC SET BACK (2" PER UNIT) STONE STRONG 6-28 RETAINING WALL UNIT ALTERNATE DRAIN TILE LOCATION DRAIN TILE WALL BASE (SEE DETAIL)

### NOTES:

- DRAIN TILE MAY BE ELIMINATED AT THE DISCRETION OF THE SITE ENGINEER.
- DAYLIGHT DRAIN TILE AT LOW POINTS THROUGH WALL FACE OR AT ENDS; MAXIMUM SPACING 100 FEET OR PER SITE CONDITIONS.
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# 6-28 GRAVITY WALL CROSS SECTION

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DATE: 10/13/23 | FILE: 07\_6-28.XSec.Grav.Batt

# STONE STRONG 6-28 RETAINING WALL TOP UNIT-STONE STRONG 6-28 RETAINING WALL UNIT-UNIT FILL-AUTOMATIC SET BACK (4" PER UNIT) -STONE STRONG 24-44 RETAINING WALL UNIT-Ϋ́ ູ້ ດ -ALTERNATE DRAIN TILE LOCATION DRAIN TILE WALL BASE (SEE DETAIL)-

### NOTES:

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# **GRAVITY WALL CROSS SECTION**

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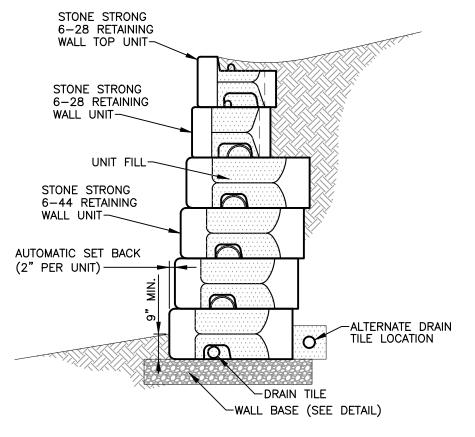


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DATE: 10/13/23 | FILE: 08\_24-44.XSec.Grav.28



- 1. DRAIN TILE MAY BE ELIMINATED AT THE DISCRETION OF THE SITE ENGINEER.
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# 6-44 GRAVITY WALL CROSS SECTION

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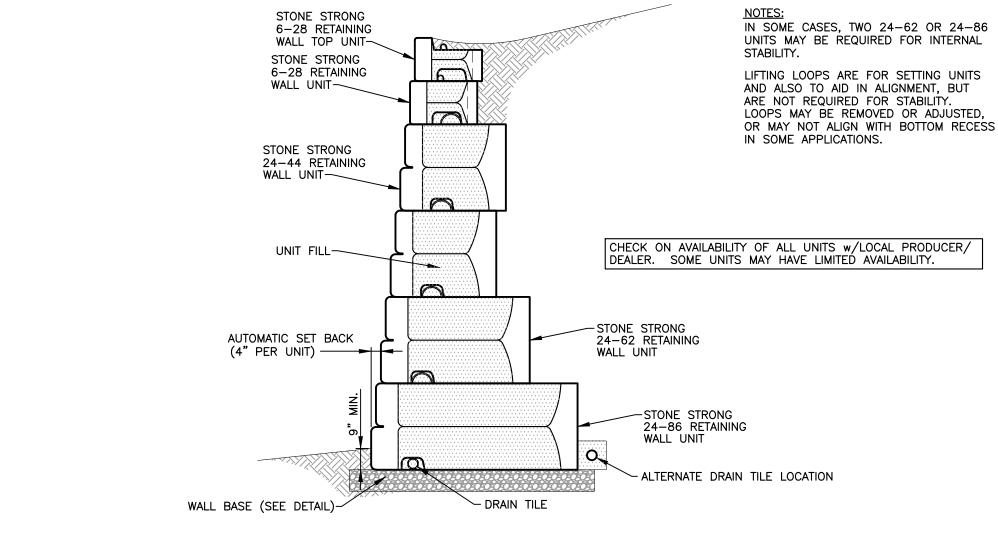
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# GRAVITY WALL CROSS SECTION w/EXTENDED BASE UNITS

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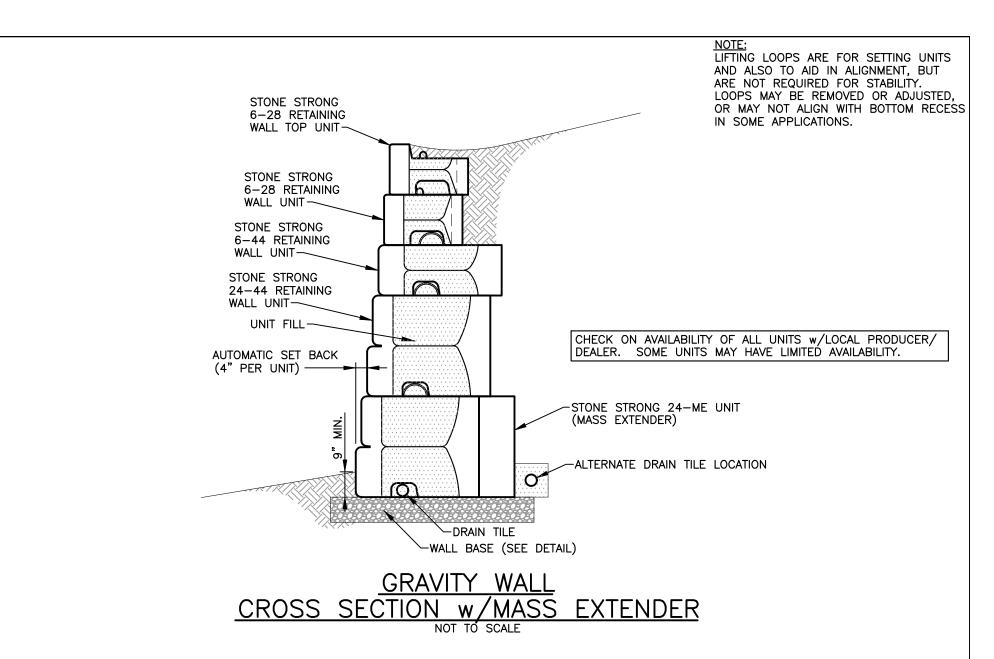


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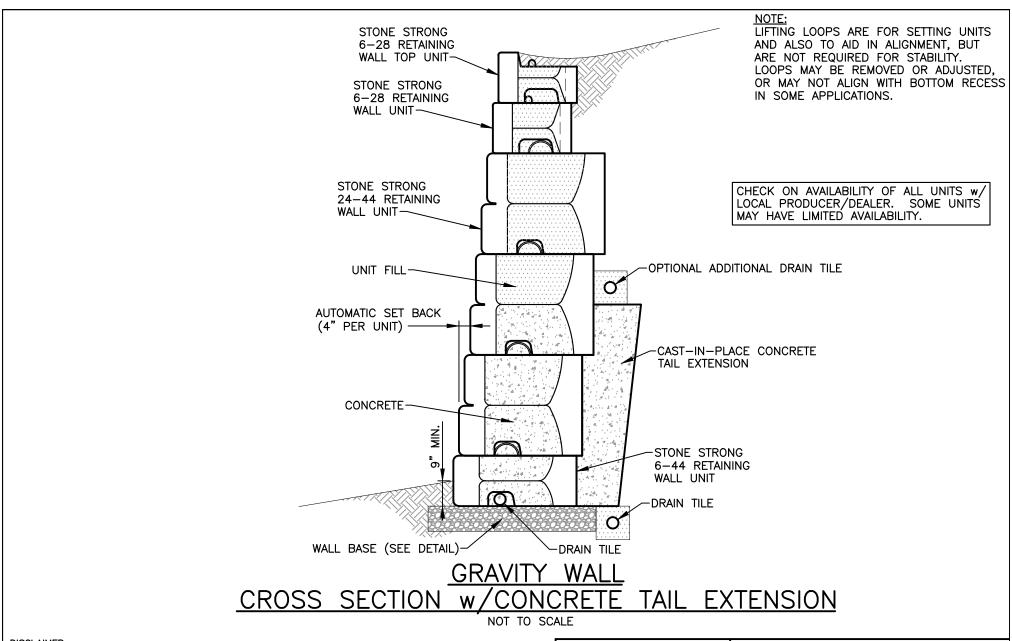


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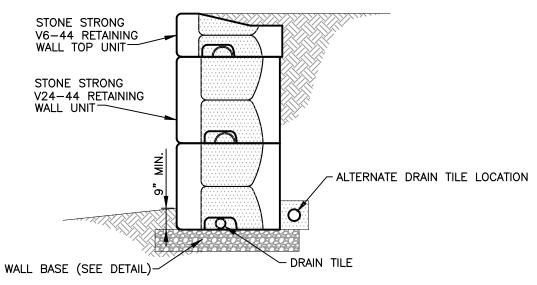
CROSS SECTIONS
STONE STRONG SYSTEMS

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DATE: 10/13/23 | FILE: 12\_24-44.XSec.CIP.28

VERTICAL UNITS REQUIRE A MODIFIED ALIGNMENT RECESS AND A MODIFIED FACE.

LIFTING LOOPS ARE FOR SETTING UNITS AND ALSO TO AID IN ALIGNMENT, BUT ARE NOT REQUIRED FOR STABILITY.
LOOPS MAY BE REMOVED OR ADJUSTED, OR MAY NOT ALIGN WITH BOTTOM RECESS IN SOME APPLICATIONS.



# TYPICAL GRAVITY WALL CROSS SECTION

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CROSS SECTIONS
STONE STRONG SYSTEMS

DATE: 10/13/23 FILE: 13\_VertFaceXSec2

### 1. IN SOME CASES, TWO 24-62 OR 24-86 STONE STRONG UNITS MAY BE REQUIRED FOR INTERNAL V6-44 RETAINING STABILITY. WALL TOP UNIT 2. VERTICAL UNITS REQUIRE A MODIFIED ALIGNMENT RECESS AND A MODIFIED FACE. 3. LIFTING LOOPS ARE FOR SETTING UNITS AND ALSO TO AID IN ALIGNMENT. BUT ARE NOT REQUIRED FOR STABILITY. LOOPS MAY BE REMOVED OR ADJUSTED, OR MAY NOT ALIGN WITH BOTTOM RECESS STONE STRONG IN SOME APPLICATIONS. V24-44 RETAINING WALL UNIT-STONE STRONG V24-62 RETAINING WALL UNIT UNIT FILL-STONE STRONG Ζ V24-86 RETAINING WALL UNIT ALTERNATE DRAIN TILE LOCATION WALL BASE (SEE DETAIL) DRAIN TILE

### CROSS SECTION w/HD BASE UNITS TYPICAL GRAVITY WALL

NOT TO SCALE

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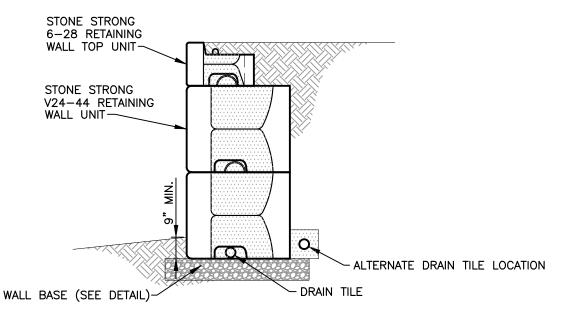
NOTES:

CROSS SECTIONS STONE STRONG SYSTEMS

DATE: 10/13/23 | FILE: 14\_VertFaceXSec1

VERTICAL UNITS REQUIRE A MODIFIED ALIGNMENT RECESS AND A MODIFIED FACE.

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# VERTICAL FACE GRAVITY WALL CROSS SECTION

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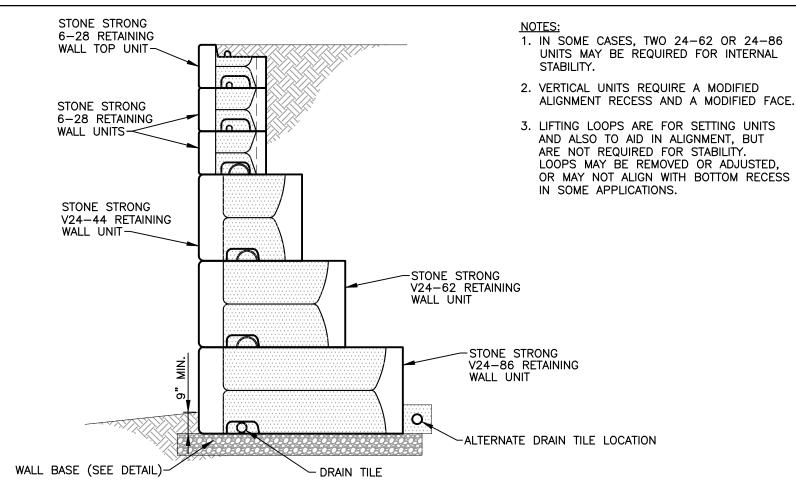


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DATE: 10/13/23 | FILE: 15\_VertFaceXSec2.28



# VERTICAL FACE GRAVITY WALL CROSS SECTION w/EXTENDED BASE UNITS

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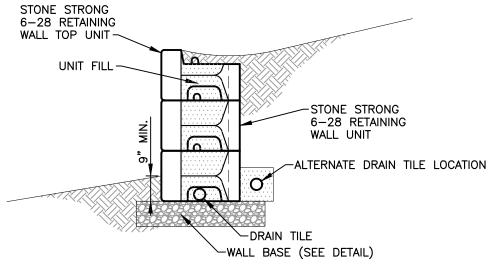
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STONE STRONG SYSTEMS

DATE: 10/13/23 | FILE: 16\_VertFaceXSec1.28

- 1. DRAIN TILE MAY BE ELIMINATED AT THE DISCRETION OF THE ENGINEER.
- DAYLIGHT DRAIN TILE AT LOW POINTS THROUGH WALL FACE OR AT ENDS; MAXIMUM SPACING 100 FEET OR PER SITE CONDITIONS.
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VERTICAL FACE
6-28 GRAVITY WALL CROSS SECTION

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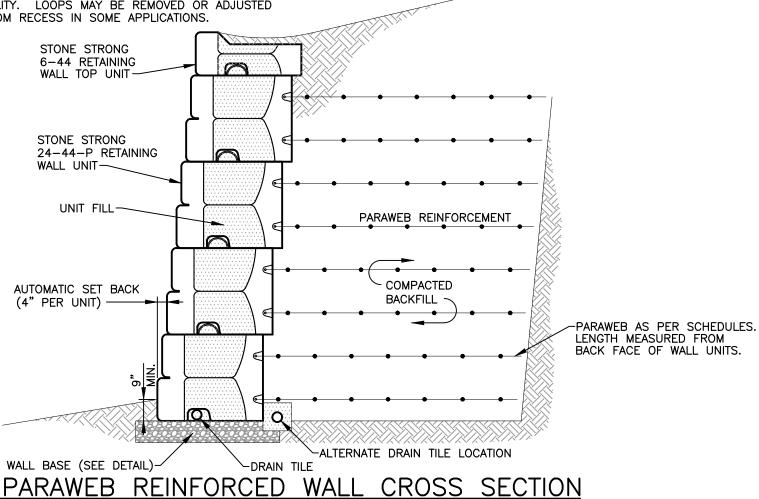
- 1. SEE TECH MEMO TM-2018-01 FOR BLOCK REINFORCEMENT REQUIREMENTS.
- 2. HEAVY DUTY UNIT REINFORCEMENT SHOULD BE USED FOR LOWER SECTIONS OF PARAWEB MSE WALLS AS FOLLOWS:

FOR 24-44 UNITS: BELOW 36 FEET FROM THE TOP OF THE WALL FOR 6-44 AND 6-28 UNITS: BELOW 12 FEET FROM THE TOP OF THE WALL

3. LIFTING LOOPS ARE FOR SETTING UNITS AND ALSO TO AID IN ALIGNMENT, BUT ARE NOT REQUIRED FOR STABILITY. LOOPS MAY BE REMOVED OR ADJUSTED OR MAY NOT ALIGN WITH BOTTOM RECESS IN SOME APPLICATIONS.

### BACKFILL REQUIREMENTS:

- 1. PARTICLE SIZE MUST BE LESS THAN 6".
- 2. pH RANGE BETWEEN 4 AND 11.
- 3. FINES MUST BE <20%.



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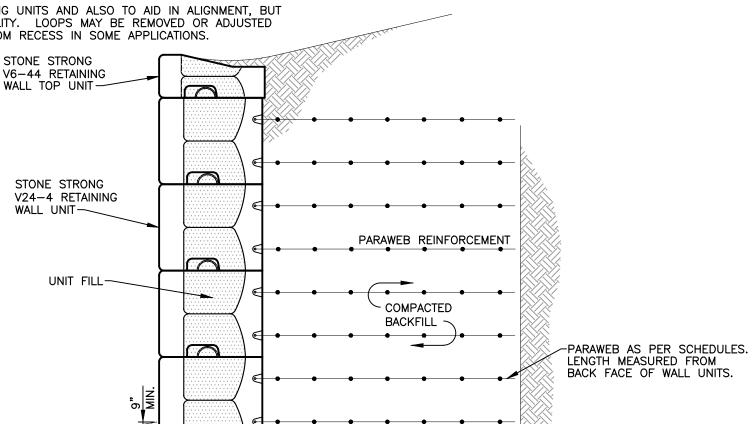
CROSS SECTIONS
STONE STRONG SYSTEMS

DATE: 10/13/23 | FILE: 18\_24-44.XSec.Batt.Para

- 1. SEE TECH MEMO TM-2018-01 FOR BLOCK REINFORCEMENT REQUIREMENTS.
- 2. HEAVY DUTY UNIT REINFORCEMENT SHOULD BE USED FOR LOWER SECTIONS OF PARAWEB MSE WALLS AS FOLLOWS: FOR 24-44 UNITS: BELOW 36 FEET FROM THE TOP OF THE WALL

FOR 6-44 AND 6-28 UNITS: BELOW 12 FEET FROM THE TOP OF THE WALL

3. LIFTING LOOPS ARE FOR SETTING UNITS AND ALSO TO AID IN ALIGNMENT, BUT ARE NOT REQUIRED FOR STABILITY. LOOPS MAY BE REMOVED OR ADJUSTED OR MAY NOT ALIGN WITH BOTTOM RECESS IN SOME APPLICATIONS.



### -DRAIN TILE REINFORCED CROSS SECTION PARAWEB NOT TO SCALE

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WALL BASE (SEE DETAIL)

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-ALTERNATE DRAIN TILE LOCATION

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**BACKFILL REQUIREMENTS:** 

3. FINES MUST BE <20%.

1. PARTICLE SIZE MUST BE LESS THAN 6".

2. pH RANGE BETWEEN 4 AND 11.

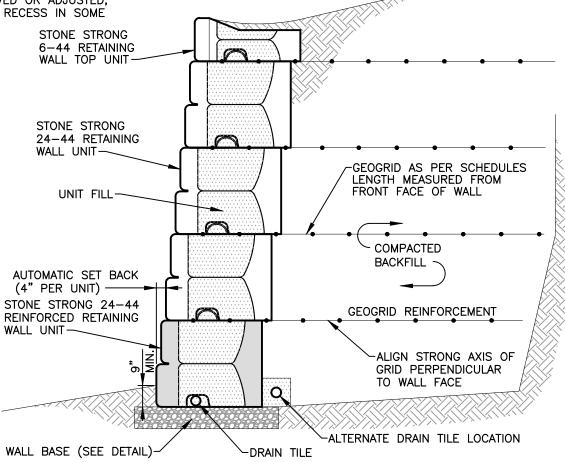
CROSS SECTIONS STONE STRONG SYSTEMS

DATE: 10/13/23 | FILE: 19\_24-44.XSec.Vert.Para

24-44 UNITS MUST BE REINFORCED BELOW THE TOP 12 FEET IN GEOGRID REINFORCED WALLS.

GEOGRID REINFORCEMENT NOT RECOMMENDED FOR WALLS OVER 24 FEET TALL.

LIFTING LOOPS ARE FOR SETTING UNITS AND ALSO TO AID IN ALIGNMENT, BUT ARE NOT REQUIRED FOR STABILITY. LOOPS MAY BE REMOVED OR ADJUSTED, OR MAY NOT ALIGN WITH BOTTOM RECESS IN SOME APPLICATIONS.



# REINFORCED WALL CROSS SECTION

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LIFTING LOOPS ARE FOR SETTING UNITS AND ALSO TO AID IN ALIGNMENT, BUT ARE NOT REQUIRED FOR STABILITY. LOOPS MAY BE REMOVED OR ADJUSTED. STONE STRONG OR MAY NOT ALIGN WITH BOTTOM RECESS 6-44 RETAINING WALL TOP UNIT-IN SOME APPLICATIONS. ALIGN STRONG AXIS OF GRID PERPENDICULAR TO WALL FACE STONE STRONG 6-44 RETAINING WALL UNIT-GEOGRID AS PER SCHEDULES LENGTH MEASURED FROM FRONT FACE OF WALL UNIT FILL-COMPACTED BACKFILL GEOGRID REINFORCEMENT AUTOMATIC SET BACK (2" PER UNIT) -Ζ̈́ -ALTERNATE DRAIN TILE LOCATION -DRAIN TILE -WALL BASE (SEE DETAIL)

# 6-44 REINFORCED WALL CROSS SECTION

NOT TO SCALE

### **DISCLAIMER:**

These typical details are preliminary and conceptual in nature. They are provided for general information purposes only. Anyone making use of these details and related information does so at their own risk and assumes all liability for such use. Site specific design should be performed by a licensed Professional Engineer based on actual site conditions, materials, and local practices.

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PROJECT

NOTE:

CROSS SECTIONS
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