# STONE STRONG 6-44 RETAINING WALL TOP UNIT-STONE STRONG 24-44 RETAINING WALL UNIT-UNIT FILL-AUTOMATIC SET BACK (100mm PER UNIT)-MIN. 200mm -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

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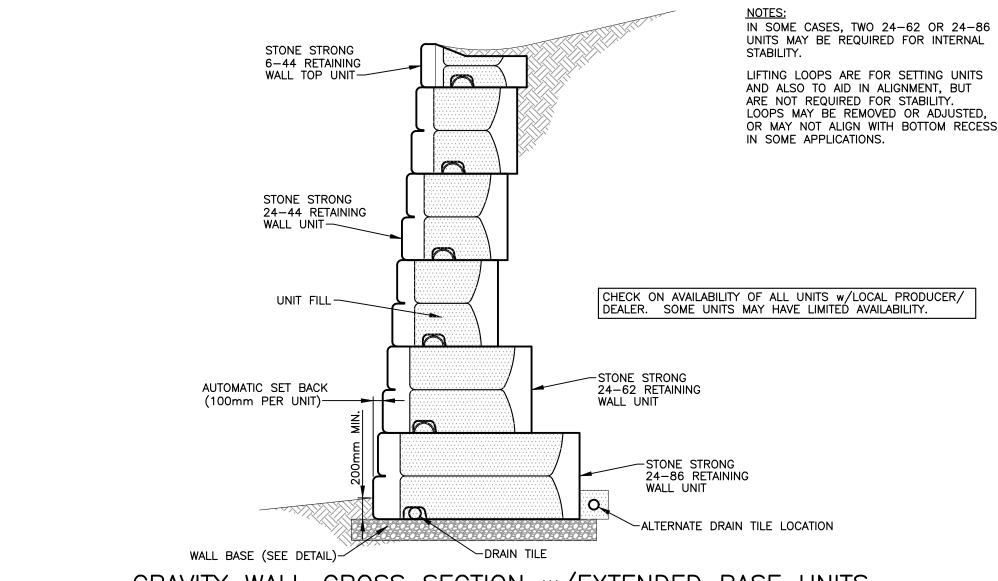


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PROJECT

CROSS SECTIONS
STONE STRONG SYSTEMS

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



# GRAVITY WALL CROSS SECTION w/EXTENDED BASE UNITS

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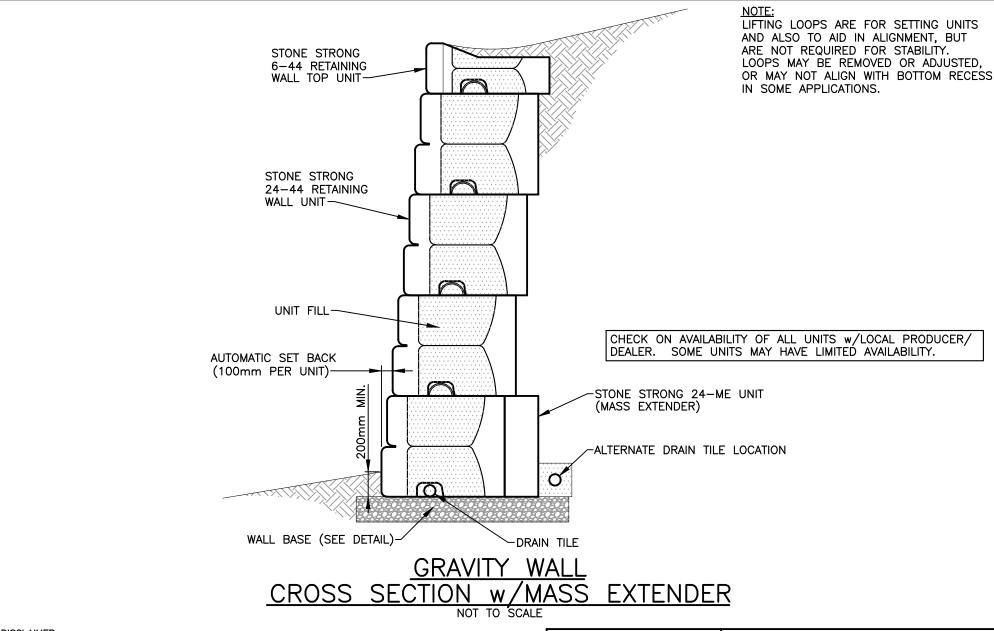


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DATE: 10/13/23 | FILE: 02\_HD XSec



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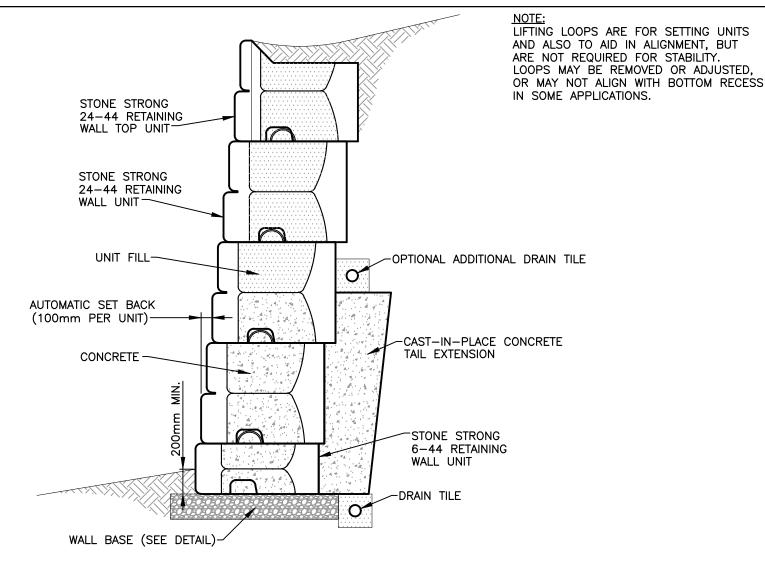


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DATE: 10/13/23 | FILE: 03\_24-44.XSec.Mass



# GRAVITY WALL CROSS SECTION w/CONCRETE TAIL EXTENSION

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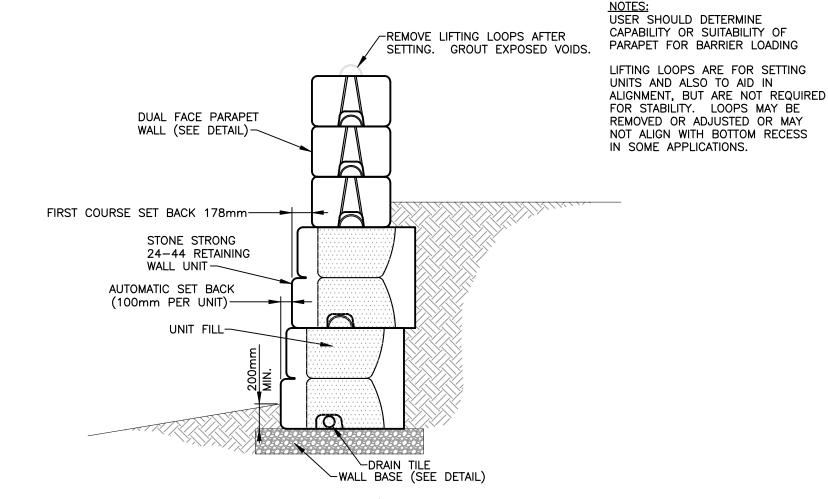


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DATE: 10/13/23 | FILE: 04\_24-44.XSec.CIP



# GRAVITY WALL CROSS SECTION w/DUAL FACE PARAPET WALL

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DATE: 10/13/23 | FILE: 05\_24-44.XSec.Parapet

#### 2. DAYLIGHT DRAIN TILE AT LOW STONE STRONG POINTS THROUGH WALL FACE OR 6-44 RETAINING AT ENDS; MAXIMUM SPACING 30m WALL TOP UNIT-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 (50mm PER UNIT)-MIN. 200mm ALTERNATE DRAIN TILE LOCATION -DRAIN TILE

### GRAVITY WALL CROSS SECTION

-WALL BASE (SEE DETAIL)

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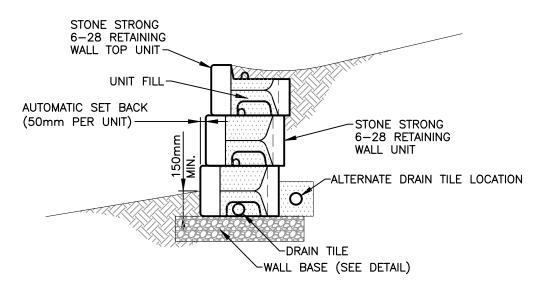
NOTES:

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

SITE ENGINEER.

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DATE: 10/13/23 | FILE: 06\_6-44.XSec.Grav



- 1. DRAIN TILE MAY BE ELIMINATED AT THE DISCRETION OF THE SITE ENGINEER.
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# 6-28 GRAVITY WALL CROSS SECTION

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DEALER. SOME UNITS MAY HAVE LIMITED AVAILABILITY.

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CROSS SECTIONS
STONE STRONG SYSTEMS

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-STONE STRONG 24-44 RETAINING WALL UNIT -UNIT FILL-AUTOMATIC SET BACK (100mm PER UNIT) -Ė 200mm -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 30m OR PER SITE CONDITIONS.
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### **GRAVITY WALL CROSS SECTION**

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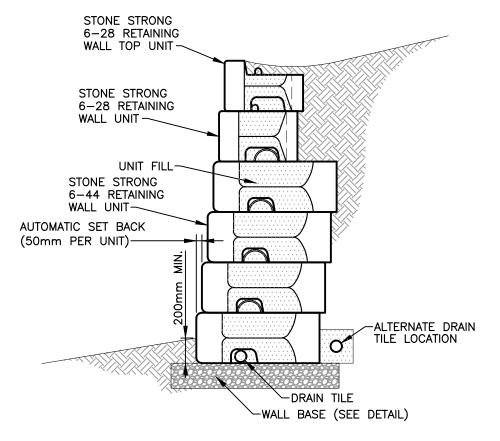


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DATE: 10/13/23 | FILE: 08\_24-44.XSec.Grav.28



- 1. DRAIN TILE MAY BE ELIMINATED AT THE DISCRETION OF THE SITE ENGINEER.
- DAYLIGHT DRAIN TILE AT LOW POINTS THROUGH WALL FACE OR AT ENDS; MAXIMUM SPACING 30m OR PER SITE CONDITIONS.
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### 6-44 GRAVITY WALL CROSS SECTION

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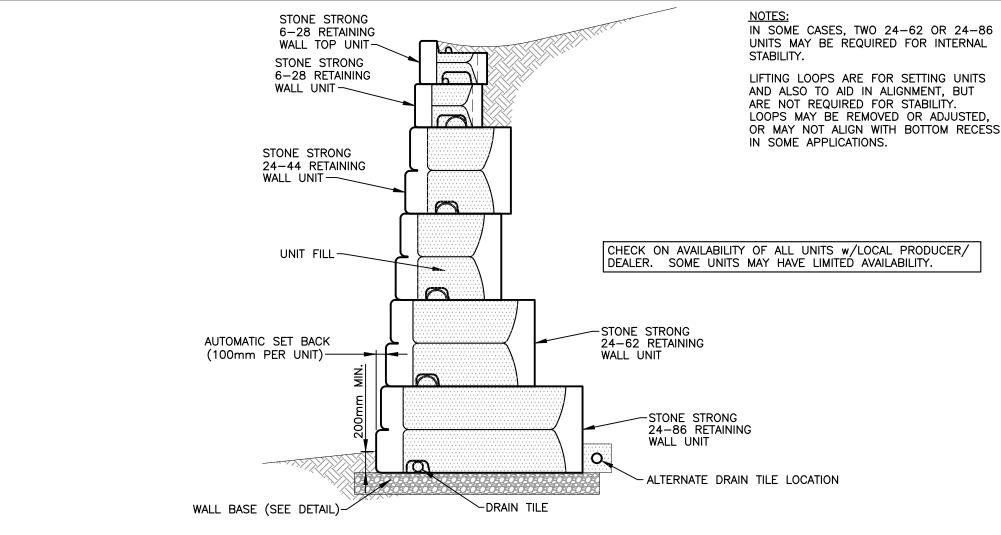
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# GRAVITY WALL CROSS SECTION w/EXTENDED BASE UNITS

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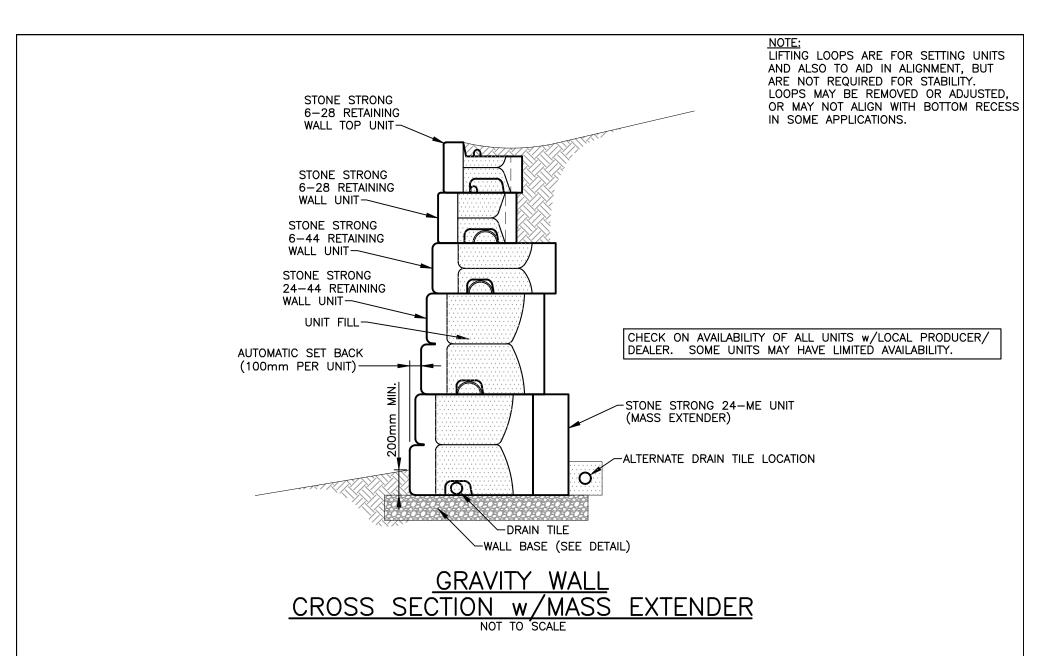


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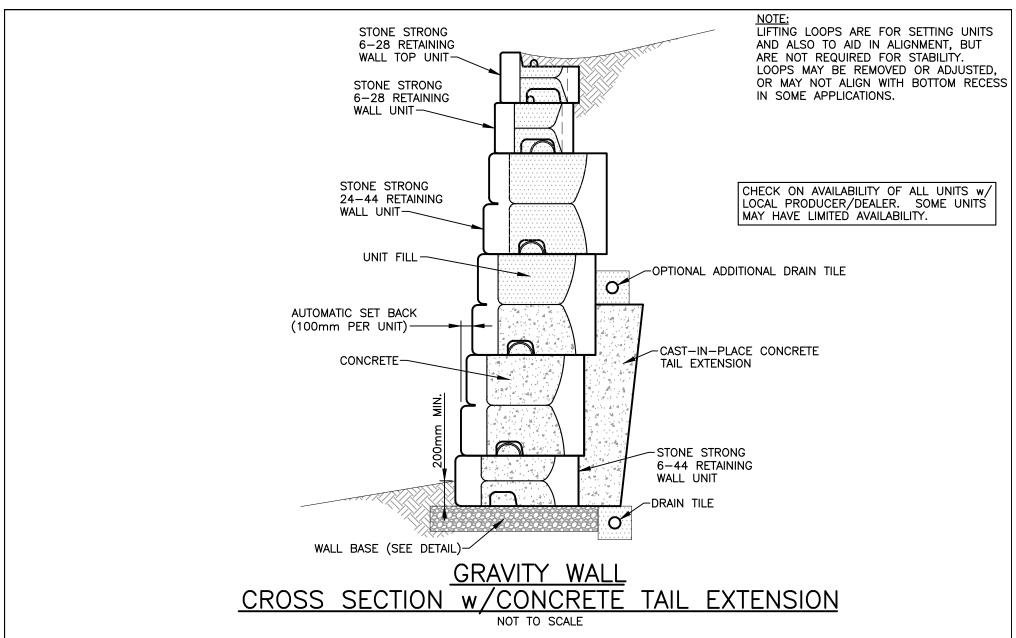


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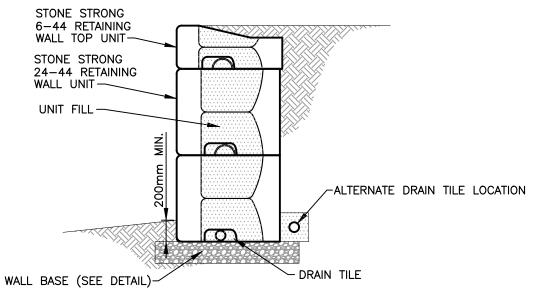
CROSS SECTIONS
STONE STRONG SYSTEMS

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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 6-44 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. 24-44 RETAINING WALL UNIT-CHECK ON AVAILABILITY OF ALL UNITS w/LOCAL PRODUCER/ DEALER. SOME UNITS MAY HAVE LIMITED AVAILABILITY. UNIT FILL -STONE STRONG 24-62 RETAINING WALL UNIT MIN. STONE STRONG 200mm 24-86 RETAINING WALL UNIT ALTERNATE DRAIN TILE LOCATION WALL BASE (SEE DETAIL) DRAIN TILE

# TYPICAL GRAVITY WALL CROSS SECTION w/HD BASE UNITS

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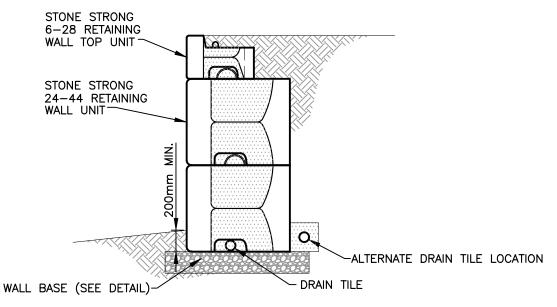
NOTES:

CROSS SECTIONS
STONE STRONG SYSTEMS

DATE: 10/13/23 | FILE: 14\_VertFaceXsec1

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

LIFTING LOOPS ARE FOR SETTING UNITS AND ALSO TO AID IN ALIGNMENT, BUT ARE NOT REQUIRED FOR STABILITY.
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### VERTICAL FACE GRAVITY WALL CROSS SECTION

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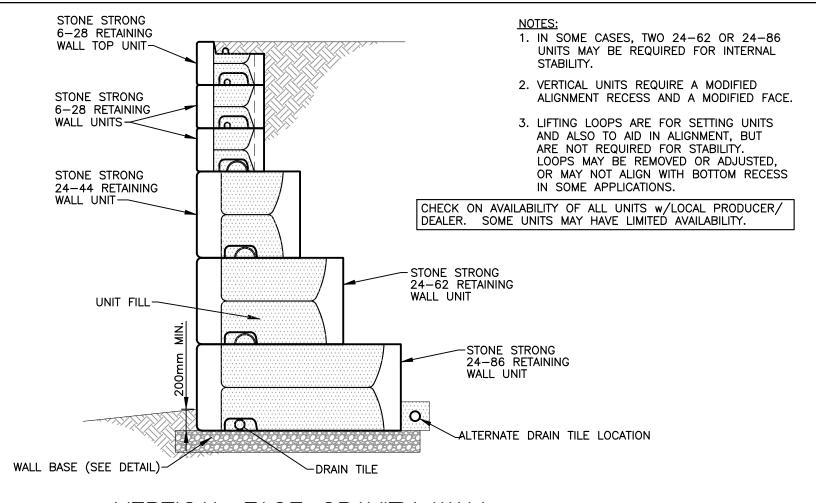


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CROSS SECTIONS
STONE STRONG SYSTEMS

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



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

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STONE STRONG SYSTEMS

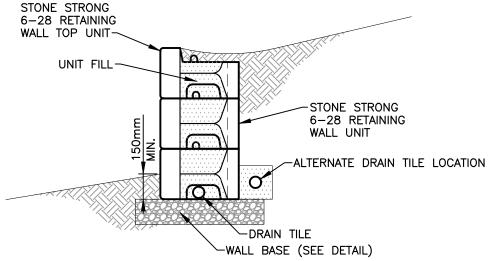
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DATE: 10/13/23 FILE: 16\_VertFaceXSec1.28

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

NOTES:

- DAYLIGHT DRAIN TILE AT LOW POINTS THROUGH WALL FACE OR AT ENDS; MAXIMUM SPACING 100 FEET OR PER SITE CONDITIONS.
- 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.



VERTICAL FACE
6-28 GRAVITY WALL CROSS SECTION

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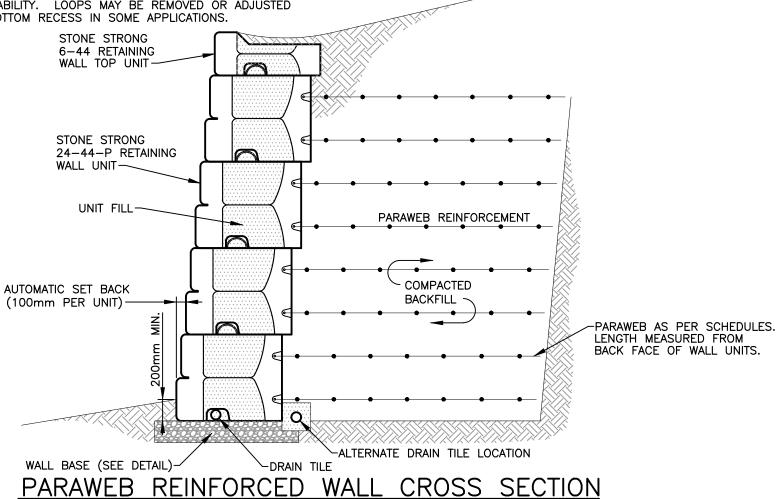
- 1. SEE TECH MEMO TM-2018-01 FOR BLOCK REINFORCEMENT REQUIREMENTS.
- 2. HEAVY DUTY UNIT REINFORCEMENT SHOULD BE USED FOR LOWER SECTIONS OF PARAWEB MSE WALLS AS FOLLOWS:

FOR 24-44 UNITS: BELOW 11M FROM THE TOP OF THE WALL FOR 6-44 AND 6-28 UNITS: BELOW 3.65M 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 150mm.
- 2. pH RANGE BETWEEN 4 AND 11.
- 3. FINES MUST BE <20%.



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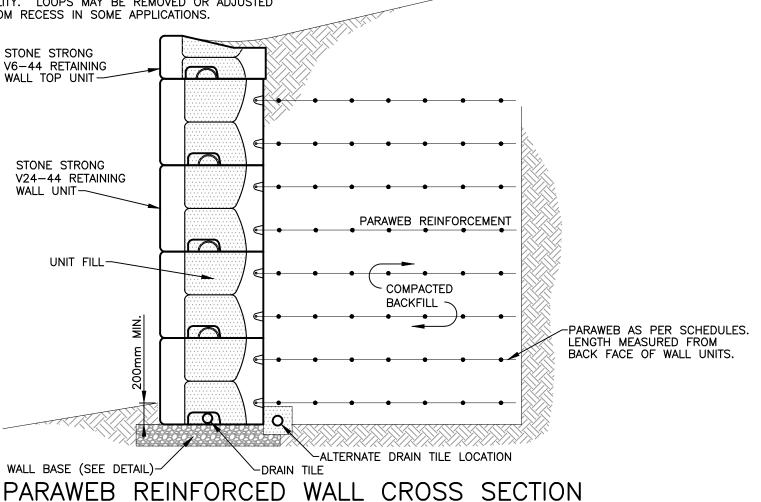
- 1. SEE TECH MEMO TM-2018-01 FOR BLOCK REINFORCEMENT REQUIREMENTS.
- 2. HEAVY DUTY UNIT REINFORCEMENT SHOULD BE USED FOR LOWER SECTIONS OF PARAWEB MSE WALLS AS FOLLOWS:

FOR 24-44 UNITS: BELOW 11M FROM THE TOP OF THE WALL FOR 6-44 AND 6-28 UNITS: BELOW 3.65M FROM THE TOP OF THE WALL

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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 3.7m IN GEOGRID REINFORCED WALLS. HD REINFORCING REQUIRED FOR 24-44 UNITS BELOW THE TOP 10.1m. SEE FACE AND WEB MESH DETAILS FOR OPTIONAL REINFORCEMENT GRID.

FOR OPTIONAL REINFORCEMENT GRID. 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. STONE STRONG 6-44 RETAINING WALL TOP UNIT-STONE STRONG 24-44 RETAINING WALL UNIT-GEOGRID AS PER SCHEDULES LENGTH MEASURED FROM FRONT FACE OF WALL UNIT FILL-AUTOMATIC SET BACK COMPACTED (100mm PER UNIT) BACKFILL STONE STRONG 24-44 REINFORCED RETAINING WALL UNIT-GEOGRID REINFORCEMENT ALIGN STRONG AXIS OF GRID PERPENDICULAR TO WALL FACE

## REINFORCED WALL CROSS SECTION

NOT TO SCALE

DRAIN TILE

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WALL BASE (SEE DETAIL)

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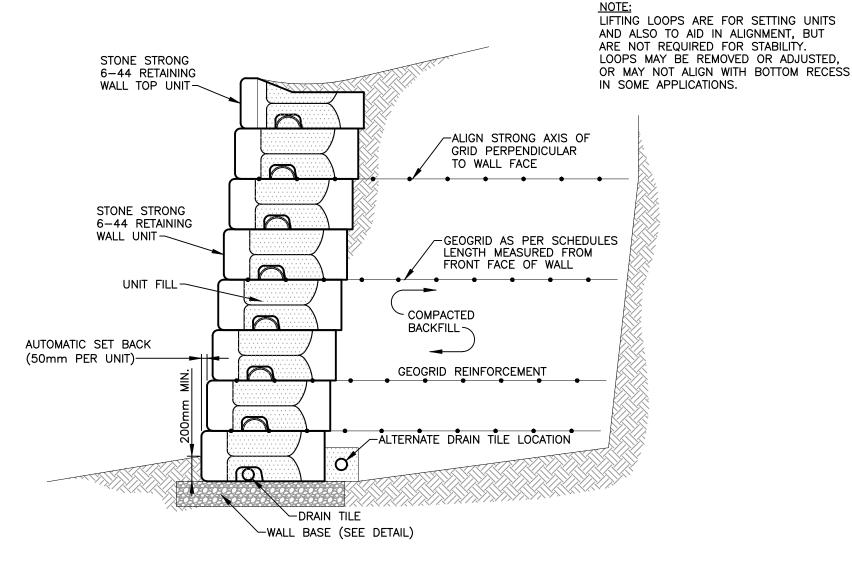


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### 6-44 REINFORCED WALL CROSS SECTION

NOT TO SCALE

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