NOTES:
1. DRAIN TILE MAY BE ELIMINATED AT THE DISCRETION OF THE SITE ENGINEER.
2. DAYLIGHT DRAIN TILE AT LOW POINTS THROUGH WALL FACE OR AT ENDS; MAXIMUM SPACING 30m OR PER SITE CONDITIONS.
NOTE:
IN SOME CASES, TWO 24–62 OR 24–86 UNITS MAY BE REQUIRED FOR INTERNAL STABILITY.

CHECK ON AVAILABILITY OF ALL UNITS w/ LOCAL PRODUCER/ DEALER. SOME UNITS MAY HAVE LIMITED AVAILABILITY.

GRAVITY WALL CROSS SECTION w/ EXTENDED BASE UNITS

WALL BASE (SEE DETAIL)

DRAIN TILE

STONE STRONG 24–62 RETAINING WALL UNIT

STONE STRONG 24–86 RETAINING WALL UNIT

UNIT FILL

AUTOMATIC SET BACK (100mm PER UNIT)

200mm MIN.

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STONE STRONG SYSTEMS
www.stonestrong.com

PROJECT
CROSS SECTIONS
STONE STRONG SYSTEMS

DATE: 6/29/18 FILE: 02-HD XSec
GRAVITY WALL
CROSS SECTION w/MASS EXTENDER

CHECK ON AVAILABILITY OF ALL UNITS w/ LOCAL PRODUCER/DEALER. SOME UNITS MAY HAVE LIMITED AVAILABILITY.
GRAVITY WALL CROSS SECTION w/DUAL FACE PARAPET WALL

NOTE:
USER SHOULD DETERMINE
CAPABILITY OR SUITABILITY OF
PARAPET FOR BARRIER LOADING

DUAL FACE PARAPET WALL (SEE DETAIL)

FIRST COURSE SET BACK 178mm

STONE STRONG
24SF RETAINING WALL UNIT

AUTOMATIC SET BACK
(100mm PER UNIT)

UNIT FILL

DRAIN TILE
WALL BASE (SEE DETAIL)

MIN.

200mm

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PROJECT:
CROSS SECTIONS
STONE STRONG SYSTEMS
www.stonestrong.com

DATE: 6/29/18
FILE: 06_6sf.XSec.Grv
NOTES:
1. DRAIN TILE MAY BE ELIMINATED AT THE DISCRETION OF THE SITE ENGINEER.
2. DAYLIGHT DRAIN TILE AT LOW POINTS THROUGH WALL FACE OR AT ENDS; MAXIMUM SPACING 30m OR PER SITE CONDITIONS.

6-28 GRAVITY WALL CROSS SECTION
NOT TO SCALE

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6SF GRAVITY WALL CROSS SECTION
NOT TO SCALE

CHECK ON AVAILABILITY OF ALL UNITS w/ LOCAL PRODUCER/DEALER. SOME UNITS MAY HAVE LIMITED AVAILABILITY.
NOTE:
IN SOME CASES, TWO 24-62 OR 24-86 UNITS MAY BE REQUIRED FOR INTERNAL STABILITY.

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GRAVITY WALL CROSS SECTION w/ EXTENDED BASE UNITS

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STONE STRONG
6-28 RETAINING WALL TOP UNIT

STONE STRONG
6-28 RETAINING WALL UNIT

STONE STRONG
24SF RETAINING WALL UNIT

UNIT FILL

AUTOMATIC SET BACK
(100mm PER UNIT)

200mm MIN.

WALL BASE (SEE DETAIL)

DRAIN TILE

STONE STRONG
24-62 RETAINING WALL UNIT

STONE STRONG
24-86 RETAINING WALL UNIT

ALTERNATE DRAIN TILE LOCATION

PROJECT
CROSS SECTIONS
STONE STRONG SYSTEMS
www.stonestrong.com
DATE: 6/29/18 FILE: 10_HD_XSect.28
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STONE STRONG 6–28 RETAINING WALL TOP UNIT

STONE STRONG 6–28 RETAINING WALL UNIT

STONE STRONG 24SF RETAINING WALL UNIT

UNIT FILL

AUTOMATIC SET BACK (100mm PER UNIT)

OPTIONAL ADDITIONAL DRAIN TILE

CAST-IN-PLACE CONCRETE TAIL EXTENSION

STONE STRONG 6SF RETAINING WALL UNIT

DRAIN TILE

WALL BASE (SEE DETAIL)

GRAVITY WALL
CROSS SECTION w/CONCRETE TAIL EXTENSION

NOT TO SCALE

CHECK ON AVAILABILITY OF ALL UNITS w/ LOCAL PRODUCER/DEALER. SOME UNITS MAY HAVE LIMITED AVAILABILITY.

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PROJECT
CROSS SECTIONS
STONE STRONG SYSTEMS

DATE: 6/29/18
FILE: 12_24sf.XSec.CIP.28
NOTE:
VERTICAL UNITS REQUIRE A MODIFIED ALIGNMENT RECESS AND A MODIFIED FACE.

STONE STRONG
6SF RETAINING WALL TOP UNIT

STONE STRONG
24SF RETAINING WALL UNIT

UNIT FILL

200mm MIN.

ALTERNATE DRAIN TILE LOCATION

WALL BASE (SEE DETAIL)

DRAIN TILE

TYPICAL GRAVITY WALL CROSS SECTION
NOT TO SCALE

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TYPICAL GRAVITY WALL CROSS SECTION w/HD BASE UNITS

NOT TO SCALE

NOTES:
1. IN SOME CASES, TWO 24-62 OR 24-86 UNITS MAY BE REQUIRED FOR INTERNAL STABILITY.
2. VERTICAL UNITS REQUIRE A MODIFIED ALIGNMENT RECESS AND A MODIFIED FACE.

CHECK ON AVAILABILITY OF ALL UNITS w/ LOCAL PRODUCER/DEALER. SOME UNITS MAY HAVE LIMITED AVAILABILITY.

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

STONE STRONG
6-28 RETAINING WALL TOP UNIT

STONE STRONG
24SF RETAINING WALL UNIT

200mm MIN.

ALTERNATE DRAIN TILE LOCATION

WALL BASE (SEE DETAIL)

DRAIN TILE

VERTICAL FACE GRAVITY WALL CROSS SECTION
NOT TO SCALE

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VERTICAL FACE GRAVITY WALL
CROSS SECTION w/ EXTENDED BASE UNITS

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NOTES:
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2. DAYLIGHT DRAIN TILE AT LOW POINTS THROUGH WALL FACE OR AT ENDS; MAXIMUM SPACING 30m OR PER SITE CONDITIONS.

STONE STRONG 6-28 RETAINING WALL TOP UNIT

UNIT FILL

STONE STRONG 6-28 RETAINING WALL UNIT

ALTERNATE DRAIN TILE LOCATION

DRAIN TILE
WALL BASE (SEE DETAIL)

VERTICAL FACE
6-28 GRAVITY WALL CROSS SECTION
NOT TO SCALE

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CHECK ON AVABILITY OF ALL UNITS w/ LOCAL PRODUCER/DEALER. SOME UNITS MAY HAVE LIMITED AVAILABILITY.
NOTES:
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 24SF UNITS: BELOW 11M FROM THE TOP OF THE WALL
   FOR 6SF AND 6–28 UNITS: BELOW 3.65M FROM THE TOP OF THE WALL

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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2. HEAVY DUTY UNIT REINFORCEMENT SHOULD BE USED FOR LOWER SECTIONS OF PARAWEB MSE WALLS AS FOLLOWS:
   FOR 24SF UNITS: BELOW 11M FROM THE TOP OF THE WALL
   FOR 6SF AND 6-28 UNITS: BELOW 3.65M FROM THE TOP OF THE WALL

BACKFILL REQUIREMENTS:
1. PARTICLE SIZE MUST BE LESS THAN 300mm.
2. pH RANGE BETWEEN 4 AND 11.
3. FINES MUST BE <20%.

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NOTE:
24SF UNITS MUST BE REINFORCED BELOW THE TOP
3.7M IN GEOGRID REINFORCED WALLS. HD
REINFORCING REQUIRED FOR 24SF UNITS BELOW THE
TOP 10.1M. SEE FACE AND WEB MESH DETAILS
FOR OPTIONAL REINFORCEMENT GRID.

STONE STRONG
6SF RETAINING
WALL TOP UNIT

STONE STRONG
24SF RETAINING
WALL UNIT

UNIT FILL

AUTOMATIC SET BACK
(100mm PER UNIT)

STONE STRONG 24SF
REINFORCED RETAINING
WALL UNIT

GEOGRID AS PER SCHEDULES
LENGTH MEASURED FROM
FRONT FACE OF WALL

COMPACTED
BACKFILL

GEOGRID REINFORCEMENT

ALIGN STRONG AXIS OF
GRID PERPENDICULAR
TO WALL FACE

WALL BASE (SEE DETAIL)

DRAIN TILE

REINFORCED WALL CROSS SECTION
NOT TO SCALE

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STONE STRONG 6SF RETAINING WALL TOP UNIT

ALIGN STRONG AXIS OF GRID PERPENDICULAR TO WALL FACE

STONE STRONG 6SF RETAINING WALL UNIT

GEOGRID AS PER SCHEDULES LENGTH MEASURED FROM FRONT FACE OF WALL

UNIT FILL

COMPACTED BACKFILL

AUTOMATIC SET BACK (50mm PER UNIT)

GEOGRID REINFORCEMENT

200mm MIN.

ALTERNATE DRAIN TIE LOCATION

DRAIN TILE WALL BASE (SEE DETAIL)

6SF REINFORCED WALL CROSS SECTION

NOT TO SCALE

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