NOTE: BEARING CONDITIONS SHALL BE OBSERVED BY THE SITE GEOTECHNICAL ENGINEER. BASE DIMENSIONS MAY BE INCREASED TO ADDRESS DEFICIENT SOIL BEARING CONDITIONS.

*FOR WALL HEIGHTS OF 6’ OR LESS, BASE THICKNESS MAY BE REDUCED TO 6”.

PLACE FIRST COURSE LEVEL TO PROPER LINE & GRADE

1½” COMPACTED ROCK OR LEAN CONCRETE

24SF WALL BASE
NOT TO SCALE

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PLACE FIRST COURSE LEVEL TO PROPER LINE & GRADE

1½" COMPACTED ROCK OR LEAN CONCRETE

9” MIN.

NOTE: BEARING CONDITIONS SHALL BE OBSERVED BY THE SITE GEOTECHNICAL ENGINEER. BASE DIMENSIONS MAY BE INCREASED TO ADDRESS DEFICIENT SOIL BEARING CONDITIONS.

*FOR WALL HEIGHTS OF 6’ OR LESS, BASE THICKNESS MAY BE REDUCED TO 6”.

6SF WALL BASE
NOT TO SCALE
NOTE: BEARING CONDITIONS SHALL BE OBSERVED BY THE SITE GEOTECHNICAL ENGINEER. BASE DIMENSIONS MAY BE INCREASED TO ADDRESS DEFICIENT SOIL BEARING CONDITIONS.

FOR WALL HEIGHTS OF 6’ OR LESS, BASE THICKNESS MAY BE REDUCED TO 6’.

6–28 WALL BASE

NOT TO SCALE
PLACE FIRST COURSE LEVEL TO PROPER LINE & GRADE

- 9" COMPACTED ROCK OR LEAN CONCRETE

NOTE: BEARING CONDITIONS SHALL BE OBSERVED BY THE SITE GEOTECHNICAL ENGINEER. BASE DIMENSIONS MAY BE INCREASED TO ADDRESS DEFICIENT SOIL BEARING CONDITIONS.

24-86 WALL BASE

*FOR WALL HEIGHTS OF 6' OR LESS, BASE THICKNESS MAY BE REDUCED TO 6''.

NOT TO SCALE

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NOTE: BEARING CONDITIONS SHALL BE OBSERVED BY THE SITE GEOTECHNICAL ENGINEER. BASE DIMENSIONS MAY BE INCREASED TO ADDRESS DEFICIENT SOIL BEARING CONDITIONS.

24-62 WALL BASE
NOT TO SCALE

*FOR WALL HEIGHTS OF 6’ OR LESS, BASE THICKNESS MAY BE REDUCED TO 6’.

1½" COMPACTED ROCK OR LEAN CONCRETE

PLACE FIRST COURSE LEVEL TO PROPER LINE & GRADE

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PLACE FIRST COURSE LEVEL TO PROPER LINE & GRADE

MASS EXTENDER

1½" COMPACTED ROCK OR LEAN CONCRETE

9" MIN

72"

NOTE: BEARING CONDITIONS SHALL BE OBSERVED BY THE SITE GEO-TECHNICAL ENGINEER. BASE DIMENSIONS MAY BE INCREASED TO ADDRESS DEFICIENT SOIL BEARING CONDITIONS.

*FOR WALL HEIGHTS OF 6' OR LESS, BASE THICKNESS MAY BE REDUCED TO 6".

24SF w/ MASS EXTENDER WALL BASE

NOT TO SCALE

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6SF WALL BASE STEP
NOT TO SCALE

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TOP OF WALL STEPS

NOT TO SCALE

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TOP OF WALL STEPS

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NOTE:
MINIMUM RADIUS OCCURS AT LOWEST COURSE.
RADIUS INCREASES 4" PER COURSE ABOVE,
AS SHOWN ON TABLE.

MINIMUM CONCAVE RADIUS—24SF UNITS

NOT TO SCALE

Minimum Concave Radius

<table>
<thead>
<tr>
<th>Wall Height (ft)</th>
<th>Total # of Courses</th>
<th>Req'd. Radius at Top Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>2</td>
<td>46' 4&quot;</td>
</tr>
<tr>
<td>9</td>
<td>3</td>
<td>46' 8&quot;</td>
</tr>
<tr>
<td>12</td>
<td>4</td>
<td>47' 0&quot;</td>
</tr>
<tr>
<td>15</td>
<td>5</td>
<td>47' 4&quot;</td>
</tr>
<tr>
<td>18</td>
<td>6</td>
<td>47' 8&quot;</td>
</tr>
<tr>
<td>21</td>
<td>7</td>
<td>48' 0&quot;</td>
</tr>
<tr>
<td>24</td>
<td>8</td>
<td>48' 4&quot;</td>
</tr>
</tbody>
</table>
Minimum Convex Radius

<table>
<thead>
<tr>
<th>Wall Height (ft)</th>
<th>Total # of Courses</th>
<th>Req. Radius at First Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>2</td>
<td>52' 0&quot;</td>
</tr>
<tr>
<td>9</td>
<td>3</td>
<td>52' 4&quot;</td>
</tr>
<tr>
<td>12</td>
<td>4</td>
<td>52' 8&quot;</td>
</tr>
<tr>
<td>15</td>
<td>5</td>
<td>53' 0&quot;</td>
</tr>
<tr>
<td>18</td>
<td>6</td>
<td>53' 4&quot;</td>
</tr>
<tr>
<td>21</td>
<td>7</td>
<td>53' 8&quot;</td>
</tr>
<tr>
<td>24</td>
<td>8</td>
<td>54' 0&quot;</td>
</tr>
</tbody>
</table>

NOTE:
MINIMUM RADIUS OCCURS AT TOP COURSE.
REQUIRED RADIUS INCREASES 4" PER COURSE BELOW, AS SHOWN ON TABLE.

MINIMUM CONVEX RADIUS – 24SF UNITS
NOT TO SCALE

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NOTE:
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RADIUS INCREASES 2" PER COURSE
ABOVE, AS SHOWN ON TABLE.

MINIMUM CONCAVE RADIUS—6SF UNITS

NOT TO SCALE

<table>
<thead>
<tr>
<th>Wall Height (ft)</th>
<th>Total # of Courses</th>
<th>Req'd. Radius at Top Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>2</td>
<td>13' 8&quot;</td>
</tr>
<tr>
<td>4 1/2</td>
<td>3</td>
<td>13' 10&quot;</td>
</tr>
<tr>
<td>6</td>
<td>4</td>
<td>14' 0&quot;</td>
</tr>
<tr>
<td>7 1/2</td>
<td>5</td>
<td>14' 2&quot;</td>
</tr>
<tr>
<td>9</td>
<td>6</td>
<td>14' 4&quot;</td>
</tr>
<tr>
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<td>7</td>
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</table>
NOTE:
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MINIMUM CONVEX RADIUS—6SF UNITS
NOT TO SCALE

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<tbody>
<tr>
<td>3</td>
<td>2</td>
<td>16' 2&quot;</td>
</tr>
<tr>
<td>4 1/2</td>
<td>3</td>
<td>16' 4&quot;</td>
</tr>
<tr>
<td>6</td>
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<td>16' 6&quot;</td>
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### Minimum Concave Radius

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**NOTE:**
- MINIMUM RADIUS OCCURS AT LOWEST COURSE.
- RADIUS INCREASES 2" PER COURSE ABOVE, AS SHOWN ON TABLE.

**MINIMUM CONCAVE RADIUS—6–28 UNITS**

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MINIMUM CONVEX RADIUS – 6–28 UNITS

NOTE:
NOTE: MINIMUM RADIUS OCCURS AT TOP COURSE.
REQUIRED RADIUS INCREASES 2" PER COURSE
BELOW, AS SHOWN ON TABLE.

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STONE STRONG SYSTEMS
www.stonestrong.com

PROJECT
TYPICAL DETAILS
STONE STRONG SYSTEMS
TRANSITION 24SF TO 6SF

NOT TO SCALE
OVERLAP ADJACENT STRAPS AT ENDS AND STAKE TO HOLD IN PLACE.

INSTALL CONTINUOUS STRAP IN 'V' CONFIGURATION. WRAP AROUND CONNECTOR IN BACK OF FACE UNIT.

TYPICAL PARAWEB LAYOUT
NOT TO SCALE
STAKE ENDS OF PARAWEB (TYP.)

C OF TRENCH
FOR TENSIONING
OF PARAWEB

PARAWEB

EMBEDMENT LENGTH PER
SCHEDULES AND
WALL ELEVATION

EMBEDMENT

PLAN VIEW

PLANE D VIEW

PARAWEB INSTALLATION SCHEMATIC

CUT TRENCH BEFORE
LAYING PARAWEB OVER
COMPACTED BACKFILL

LOOP PARAWEB OVER
REINFORCEMENT BAR
IN INSERT, LAY OUT
PARAWEB STRAPS AND
SPAN OVER TRENCH

STAKE PARAWEB IN PLACE

FILL AND COMPACT BACKFILL
OVER REAR OF PARAWEB STRAP

FILL AND COMPACT
BACKFILL OVER TRENCH
TO TENSION PARAWEB

FILL AND COMPACT
REMAINDER OF BACKFILL
OVER PARAWEB

CROSS SECTION

COMPACTED BACKFILL

6"±

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STONE STRONG SYSTEMS

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DATE: 6/29/18 FILE: 19_ParaWeb Install Schematic

PROJECT

TYPICAL DETAILS
PLAN VIEW

PARAWEB OBSTRUCTION DETAIL
NOT TO SCALE

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OVERLAP ADJACENT STRAPS AT ENDS AND STAKE TO HOLD IN PLACE

INSTALL CONTINUOUS STRAP IN 'V' CONFIGURATION. WRAP AROUND CONNECTOR IN BACK OF FACE UNIT.

PARAWEB LENGTH PER SCHEDULE

PARAWEB ON INSIDE CORNER

NOT TO SCALE

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INSTALL CONTINUOUS STRAP IN 'V' CONFIGURATION.
WRAP AROUND CONNECTOR IN BACK OF FACE UNIT.

OVERLAP ADJACENT STRAPS AT ENDS AND STAKE TO HOLD IN PLACE.

PARAWEB ON LONG RADIUS CONVEX CURVE

NOT TO SCALE
INSTALL CONTINUOUS STRAP
IN 'V' CONFIGURATION.
WRAP AROUND CONNECTOR
IN BACK OF FACE UNIT.

STAKE ENDS TO
HOLD IN PLACE

PARAWEBS ON
SHORT RADIUS CONVEX CURVE

NOT TO SCALE

NOTE:
USE THIS MODIFIED LAYOUT
WHEN CURVE RADIUS IS
LESS THAN PARAWEB LENGTH
PLUS 10 FEET

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PARAWEBS ON CONCAVE CURVE

OVERLAP ADJACENT STRAPS AT ENDS AND STAKE TO HOLD IN PLACE.

INSTALL CONTINUOUS STRAP IN "V" CONFIGURATION. WRAP AROUND CONNECTOR IN BACK OF FACE UNIT.

PARAWEBS LENGTH PER SCHEDULE

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24 SF UNIT w/ PARAWEB INSERTS

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6 SF UNIT w/ PARAWEB INSERT
6–28 UNIT w/PARAWEB_INSERT
NOTE:
USE REINFORCED 24SF UNITS BELOW TOP 12’ IN GEOGRID REINFORCED WALLS.
SEE FACE AND WEB MESH DETAILS FOR OPTIONAL REINFORCEMENT GRID.

STONE STRONG 24SF UNIT

EXTEND GEOGRID ONTO FACE FLANGE

ALIGN LONG AXIS (ROLL DIRECTION) OF STRUCTURAL GEOGRID PERPENDICULAR TO WALL FACE

24SF GEOGRID ORIENTATION
NOT TO SCALE
STONE STRONG 6SF UNIT

EXTEND GEOGRID ONTO FACE FLANGE

ALIGN LONG AXIS (ROLL DIRECTION) OF STRUCTURAL GEOGRID PERPENDICULAR TO WALL FACE

6SF GEOGRID ORIENTATION
NOT TO SCALE
NOTE:
USE REINFORCED 24SF UNITS BELOW TOP 12' IN GEOGRID REINFORCED WALLS.
SEE FACE AND WEB MESH DETAILS FOR OPTIONAL REINFORCEMENT GRID.

MINIMUM 3 INCHES OF SOIL FILL REQUIRED BETWEEN OVERLAPPING LAYERS OF GEOGRIDS FOR PROPER ANCHORAGE.

TRIM GEOGRID AT FACE WHERE NECESSARY

FRONT FACE OF WALL

24SF GEOGRID PLACEMENT ON CURVES
NOT TO SCALE

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MINIMUM 3 INCHES OF SOIL FILL REQUIRED BETWEEN OVERLAPPING LAYERS OF GEOGRIDS FOR PROPER ANCHORAGE.

TRIM GEOGRID AT FACE WHERE NECESSARY

FRONT FACE OF WALL

6SF GEOGRID PLACEMENT ON CURVES
NOT TO SCALE

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FENCE SLEEVE

8"x36" SLEEVE FOR POST; COVER TOP.
INSTALL SLEEVES WITH WALL. COORDINATE LOCATIONS WITH FENCE INSTALLER.

FENCE SLEEVE
NOT TO SCALE
TYPICAL FENCE CONFIGURATION
NOT TO SCALE

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PROJECT
TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18  FILE: 34_FenceConfig.Typ
OPTIONAL FENCE CONFIGURATION
NOT TO SCALE

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WALL w/GUARD RAIL
NOT TO SCALE
NOTE:
NO REPRESENTATION IS MADE ON STRENGTH OR CAPACITY OF PARAPET FOR BARRIER USE. USER SHOULD DETERMINE CAPABILITY OR SUITABILITY FOR INTENDED APPLICATION.

REMOVE ALIGNMENT LOOP
FILL VOID w/AGGREGATE AND/OR GROUT

STACK UNITS IN RUNNING BOND

STONE STRONG DUAL FACE UNIT

DUAL FACE PARAPET WALL
NOT TO SCALE

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NOTE:
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STONE STRONG DUAL FACE CAP UNIT  
STACK UNITS IN RUNNING BOND  
STONE STRONG DUAL FACE UNIT

STONE STRONG DUAL FACE FLAT CAP UNIT  
STACK UNITS IN RUNNING BOND  
STONE STRONG DUAL FACE UNIT

DUAL FACE PARAPET  
WALL w/CAP
NOT TO SCALE

DUAL FACE PARAPET  
WALL w/FLAT CAP
NOT TO SCALE

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CHECK ON AVAILABILITY OF ALL UNITS w/ LOCAL PRODUCER/ DEALER. SOME UNITS MAY HAVE LIMITED AVAILABILITY.
REINFORCE & GROUT VOIDS TO INCREASE
PARAPET STRENGTH PER SPECIFIC APPLICATION

OPTIONAL PARAPET REINFORCEMENT
NOT TO SCALE

NOTE:
NO REPRESENTATION IS MADE ON STRENGTH OR
CAPACITY FOR BARRIER APPLICATION. USER
SHOULD DETERMINE CAPABILITY OR SUITABILITY
FOR INTENDED APPLICATION.

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

DUAL FACE PARAPET WALL STEP
NOT TO SCALE

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

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DUAL FACE CURB w/SIDEWALK
NOT TO SCALE

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STONE STRONG DUAL FACE CAP UNIT

NOT TO SCALE

NOTE:
CAP UNIT IS OPTIONAL. TOP OF WALL IS FITTED w/TOP UNIT IN MOST APPLICATIONS.

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STONE STRONG CAP UNIT

TYPICAL DETAILS
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**TOP OF WALL TREATMENT**

**AT 18" WALL STEPS**

**NOT TO SCALE**

*NOTE:
ADJUST GRADE SPLIT BASED UPON
SPECIFIC PROJECT REQUIREMENTS.
6" ABOVE/12" BELOW SPLIT IS ALSO
COMMON. TURN END UNIT TO RETURN
4" IF THERE ARE NO NEARBY OBSTACLES.

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OPTIONAL GEOTEXTILE FILTER
UNDER IMPERVIOUS FILL/TOPSOIL

STONE STRONG
24 SF RETAINING
WALL TOP UNIT

UNIT FILL

OPTIONAL GEOTEXTILE FILTER (SEE INSET)

STONE STRONG
24 SF RETAINING
WALL UNIT

12" MIN. OVERLAP
TOP & BOTTOM

NON-WOVEN
GEOTEXTILE FABRIC

24" MIN.

OPTIONAL GEOTEXTILE FILTER
NOT TO SCALE

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NOTE:
ON CONVEX CURVES, PROVIDE REINFORCEMENT TO ATTACH EXTENSION DUE TO REDUCED OPENING WIDTH BETWEEN TAILS.

PLACE 3,000 PSI CONCRETE TO FILL VOIDS BETWEEN UNITS AND TO EXTEND TAIL
UNIT FILL IN CORES OF UNITS
MINIMUM WIDTH OF TAIL EXTENSION AS SHOWN ON LAYOUT/ELEVATION

PLACE 3,000 PSI CONCRETE IN VOIDS BETWEEN UNITS. FILL BEHIND UNITS TO MIN. HORIZONTAL DIMENSIONS SHOWN ON WALL LAYOUT PLAN AND ELEVATION.

UNIT FILL IN CORES OF UNITS
CONCRETE TAIL EXTENSION
FOR MINIMUM WIDTH, SEE WALL ELEVATION
MINIMUM WIDTH
WALL BASE (SEE DETAIL)

24SF CONCRETE TAIL EXTENSION DETAIL (CAST-IN-PLACE)
NOT TO SCALE

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PLACE 3,000 PSI CONCRETE TO FILL VOIDS BETWEEN UNITS AND TO EXTEND TAIL.

UNIT FILL IN CORES OF UNITS

UNION FILL IN CORES OF UNITS

PLACE 3,000 PSI CONCRETE IN VOIDS BETWEEN UNITS. FILL BEHIND UNITS TO MIN. HORIZONTAL DIMENSIONS SHOWN ON WALL LAYOUT PLAN AND ELEVATION.

MINIMUM WIDTH

FOR MINIMUM WIDTH, SEE WALL ELEVATION.

MINIMUM WIDTH OF TAIL EXTENSION AS SHOWN ON LAYOUT/ELEVATION

GRANULAR WALL BASE (SEE DETAIL)

6SF CONCRETE TAIL EXTENSION DETAIL (CAST-IN-PLACE)

NOT TO SCALE

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NOTE:
USE REBAR-TIED TAIL EXTENSIONS
ON CONVEX CURVES OR TO ELIMINATE
CONCRETE IN VOID BETWEEN UNITS

24 SF REBAR-TIED CONCRETE TAIL EXTENSION (CAST-IN-PLACE)
NOT TO SCALE

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NOTE:
USE REBAR–TIED TAIL EXTENSIONS
ON CONVEX CURVES OR TO ELIMINATE
CONCRETE IN VOID BETWEEN UNITS

24–86 REBAR–TIED CONCRETE
TAIL EXTENSION (CAST–IN–PLACE)

24–86 REBAR–TIED CONCRETE
TAIL EXTENSION

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NOTE: USE REINFORCED CONNECTION ON CONVEX CURVES WHERE GAP BETWEEN TAILS IS REDUCED.

#5 BENT BARS (4 BARS REQ'D. PER JOINT BETWEEN ABUTTING 24 SF UNITS)

WIDTH OF TAIL EXTENSION +24"

3" CLR.

12"

SECTION

FOR MINIMUM WIDTH, SEE WALL ELEVATION

MINIMUM WIDTH

3,000 PSI CONCRETE TAIL EXTENSION

PLAN VIEW

REINFORCED CONNECTION FOR 24SF UNITS

NOT TO SCALE

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NOTE: USE REINFORCED CONNECTION ON CONVEX CURVES WHERE GAP BETWEEN TAILS IS REDUCED.

PLAN VIEW

SECTION

REINFORCED CONNECTION FOR 6SF UNITS

NOT TO SCALE

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