PLACE FIRST COURSE LEVEL TO PROPER LINE & GRADE

1½" 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.

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

24SF WALL BASE

NOT TO SCALE

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PLACE FIRST COURSE LEVEL TO PROPER LINE & GRADE

9"

1 1/2" COMPACTED ROCK OR LEAN CONCRETE

60"

9" MIN.

NOTE: BEARING CONDITIONS SHALL BE OBSERVED BY THE SITE GOTECHNICAL 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
PLACE FIRST COURSE LEVEL TO PROPER LINE & GRADE

1 1/2" COMPACTED ROCK OR LEAN CONCRETE

46"

9" MIN.

9"

9"

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

6–28 WALL BASE

NOT TO SCALE

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

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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".

24–86 WALL BASE
NOT TO SCALE

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CHECK ON AVAILABILITY OF ALL UNITS w/ LOCAL PRODUCER/DEALER. SOME UNITS MAY HAVE LIMITED AVAILABILITY.
PLACE FIRST COURSE LEVEL TO PROPER LINE & GRADE

1½" COMPACTED ROCK OR LEAN CONCRETE

9" MIN

6'-6"

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”.

24–62 WALL BASE
NOT TO SCALE

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www.stonestrong.com

PROJECT
TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 2/10/16  FILE: 05_24--62.Base
PLACE FIRST COURSE LEVEL TO PROPER LINE & GRADE

MASS EXTENDER

1½" COMPACTED ROCK OR LEAN CONCRETE

72" MIN

9"

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”.

24SF w/ MASS EXTENDER WALL BASE
NOT TO SCALE

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CHECK ON AVAILABILITY OF ALL UNITS w/ LOCAL PRODUCER/ DEALER. SOME UNITS MAY HAVE LIMITED AVAILABILITY.
6SF WALL BASE STEP
NOT TO SCALE

6SF UNIT

48"
18" (TYP.)
6" (TYP.)
9"
TOP OF WALL STEPS
NOT TO SCALE
TOP OF WALL STEPS

END UNIT
(PREFERRED ORIENTATION)

END UNIT
(OPTIONAL ORIENTATION)

6SF TOP UNIT

6SF TOP UNITS

6SF TOP UNITS

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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

<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>

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

MINIMUM **CONVEX RADIUS**—24SF UNITS

---

<table>
<thead>
<tr>
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<th>Total # of Courses</th>
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</tr>
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<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>
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<td>5</td>
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<td>53' 8&quot;</td>
</tr>
<tr>
<td>24</td>
<td>8</td>
<td>54' 0&quot;</td>
</tr>
</tbody>
</table>

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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>
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<th>Reqd. Radius at Top Course</th>
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<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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</tr>
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<td>8</td>
<td>14' 8&quot;</td>
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</tbody>
</table>
NOTE:
NOTE: MINIMUM RADIUS OCCURS AT TOP COURSE.
REQUIRED RADIUS INCREASES 2" PER COURSE
BELOW, AS SHOWN ON TABLE.

MINIMUM CONVEX RADIUS—6SF UNITS
NOT TO SCALE

Minimum Convex Radius

<table>
<thead>
<tr>
<th>Wall Height (ft)</th>
<th>Total # of Courses</th>
<th>Req'd. Radius at First Course</th>
</tr>
</thead>
<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>
<td>4</td>
<td>16' 6&quot;</td>
</tr>
<tr>
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<td>8</td>
<td>17' 2&quot;</td>
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NOTE:
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RADIUS INCREASES 2" PER COURSE
ABOVE, AS SHOWN ON TABLE.

MINIMUM CONCAVE RADIUS – 6–28 UNITS
NOT TO SCALE

<table>
<thead>
<tr>
<th>Wall Height (ft)</th>
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</tbody>
</table>
NOTE:
NOTE: MINIMUM RADIUS OCCURS AT TOP COURSE.
REQUIRED RADIUS INCREASES 2" PER COURSE BELOW, AS SHOWN ON TABLE.

MINIMUM CONVEX RADIUS—6–28 UNITS

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

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DATE: 2/10/16 FILE: 16-6-28.RadMin.Convex

Minimum Convex Radius

<table>
<thead>
<tr>
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TRANSITION 24SF TO 6SF

NOT TO SCALE

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TYPICAL PARAWEB LAYOUT

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.
PLAN VIEW

PARAWEB OBSTRUCTION DETAIL

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 LENGTH PER SCHEDULE

PARAWEB ON OUTSIDE CORNER
NOT TO SCALE
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

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

PARAWEB ON SHORT RADIUS CONVEX CURVE
NOT TO SCALE
PARAWEB ON
CONCAVE CURVE
NOT TO SCALE

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 LENGTH PER SCHEDULE
24SF UNIT w/PARAWEB INSERTS
6SF UNIT w/ PARAWEB INSERT

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6-28 UNIT w/PARAWEB INSERT

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NOTE:
USE REINFORCED 24SF UNITS BELOW TOP 12' IN GEOGRID REINFORCED WALLS.
SEE FACE AND WEB MESH DETAILS FOR OPTIONAL REINFORCEMENT GRID.

EXTEND GEOGRID ONTO FACE FLANGE

STONE STRONG 24SF UNIT

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

24SF GEOGRID ORIENTATION
NOT TO SCALE

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6SF 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

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NOTE:
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SEE FACE AND WEB MESH DETAILS FOR OPTIONAL REINFORCEMENT GRID.

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

FRONT FACE OF WALL

TRIM GEORGRID AT FACE WHERE NECESSARY

24SF GEORGRID 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
FENCE SLEEVE
NOT TO SCALE

8"x36" SLEEVE FOR POST; COVER TOP. INSTALL SLEEVES WITH WALL. COORDINATE LOCATIONS WITH FENCE INSTALLER.
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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STONE STRONG SYSTEMS
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DATE: 6/29/18 | FILE: 38_DF.Parapet
REINFORCE & GROUT VOIDS TO INCREASE PARAPET STRENGTH PER SPECIFIC APPLICATION

OPTIONAL PARAPET REINFORCEMENT
NOT TO SCALE

NOTE:
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DUAL FACE PARAPET WALL STEP
NOT TO SCALE

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

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

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TOP OF WALL w/SIDEWALK

NOT TO SCALE

NOTE:
FOR LEVEL GRADES ONLY. CONSIDER STEP TRANSITIONS FOR SLOPING GRADES.

½" EXPANSION MATERIAL

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

STONE STRONG DUAL FACE CAP UNIT

NOT TO SCALE

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TOP OF WALL TREATMENT
AT 18" WALL STEPS

*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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STONE STRONG SYSTEMS
www.stonestrong.com

DATE: 6/29/18   FILE: 45_24sf.GradeSplit
OPTIONAL GEOTEXTILE FILTER
UNDER IMPERVIOUS FILL/TOPSOIL

STONE STRONG
24 SF RETAINING WALL TOP UNIT

STONE STRONG
24 SF RETAINING WALL UNIT

UNIT FILL

OPTIONAL GEOTEXTILE FILTER (SEE INSET)

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

UNIT 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 OF TAIL EXTENSION AS SHOWN ON LAYOUT/ELEVATION

FOR MINIMUM WIDTH, SEE WALL ELEVATION
MINIMUM WIDTH

CONCRETE TAIL EXTENSION

WALL BASE (SEE DETAIL)

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

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NOTE:
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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

MINIMUM WIDTH

CONCRETE TAIL EXTENSION

FOR MINIMUM WIDTH, SEE WALL ELEVATION

PLATE 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

FOR HEIGHT, SEE WALL ELEVATION

GRANULAR WALL BASE (SEE DETAIL)

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

NOT TO SCALE

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PROJECT
TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18   FILE: 48_6sf.TailExt.CIP
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)

NOT TO SCALE

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DATE: 6/29/18  FILE: 50_24-86 TailExt.RebarTied
NOTE: USE REINFORCED CONNECTION ON CONVEX CURVES WHERE GAP BETWEEN TAILS IS REDUCED.

PLAN VIEW

SECTION

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.

REINFORCED CONNECTION FOR 6SF UNITS

NOT TO SCALE

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