PLACE FIRST COURSE LEVEL TO PROPER LINE & GRADE

225mm

35mm COMPACTED ROCK OR LEAN CONCRETE

1.5m

*FOR WALL HEIGHTS OF 1.8m OR LESS, BASE THICKNESS MAY BE REDUCED TO 150mm.

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

24SF WALL BASE
NOT TO SCALE

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PLACE FIRST COURSE LEVEL TO PROPER LINE & GRADE

225mm

35mm COMPACTED ROCK OR LEAN CONCRETE

1.5m

*225mm 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 1.8m OR LESS, BASE THICKNESS MAY BE REDUCED TO 150mm.

6SF WALL BASE
NOT TO SCALE

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PLACE FIRST COURSE LEVEL TO PROPER LINE & GRADE

35mm COMPACTED ROCK OR LEAN CONCRETE

225mm

1.17m

225mm MIN.

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 1.8m OR LESS, BASE THICKNESS MAY BE REDUCED TO 150mm.
PLACE FIRST COURSE LEVEL TO PROPER LINE & GRADE

35mm COMPACTED ROCK OR LEAN CONCRETE

225mm

2.6m

*225mm 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 1.8m OR LESS, BASE THICKNESS MAY BE REDUCED TO 150mm.

24–86 WALL BASE
NOT TO SCALE

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PLACE FIRST COURSE LEVEL TO PROPER LINE & GRADE

35mm COMPACTED ROCK OR LEAN CONCRETE

225mm

2m

*225mm 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 1.8m OR LESS, BASE THICKNESS MAY BE REDUCED TO 150mm.

24–62 WALL BASE
NOT TO SCALE

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

MASS EXTENDER

225mm

35mm COMPACTED ROCK OR LEAN CONCRETE

1.8m

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 1.8m OR LESS, BASE THICKNESS MAY BE REDUCED TO 150mm.

24SF w/ MASS EXTENDER WALL BASE

NOT TO SCALE

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WALL BASE STEP
NOT TO SCALE

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PROJECT
TYPICAL DETAILS
STONE STRONG SYSTEMS
www.stonestrong.com
DATE: 2/10/16 FILE: 07_24sf_BaseStep
TOP OF WALL STEPS

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TOP OF WALL STEPS

NOT TO SCALE

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NOTE:
MINIMUM RADIUS OCCURS AT LOWEST COURSE.
RADIUS INCREASES 102mm PER COURSE ABOVE,
AS SHOWN ON TABLE.

MINIMUM CONCAVE RADIUS—24SF UNITS
NOT TO SCALE

<table>
<thead>
<tr>
<th>Wall Height (m)</th>
<th>Total # of Courses</th>
<th>Reqd. Radius at Top Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.83</td>
<td>2</td>
<td>14.12m</td>
</tr>
<tr>
<td>2.74</td>
<td>3</td>
<td>14.22m</td>
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<tr>
<td>3.66</td>
<td>4</td>
<td>14.33m</td>
</tr>
<tr>
<td>4.57</td>
<td>5</td>
<td>14.43m</td>
</tr>
<tr>
<td>5.49</td>
<td>6</td>
<td>14.53m</td>
</tr>
<tr>
<td>6.40</td>
<td>7</td>
<td>14.63m</td>
</tr>
<tr>
<td>7.32</td>
<td>8</td>
<td>14.73m</td>
</tr>
</tbody>
</table>
Minimum Convex Radius

<table>
<thead>
<tr>
<th>Wall Height (m)</th>
<th>Total # of Courses</th>
<th>Req'd. Radius at First Course</th>
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<tbody>
<tr>
<td>1.83</td>
<td>2</td>
<td>15.85m</td>
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<tr>
<td>2.74</td>
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<td>15.95m</td>
</tr>
<tr>
<td>3.66</td>
<td>4</td>
<td>16.05m</td>
</tr>
<tr>
<td>4.57</td>
<td>5</td>
<td>16.15m</td>
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<tr>
<td>5.49</td>
<td>6</td>
<td>16.26m</td>
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<tr>
<td>6.40</td>
<td>7</td>
<td>16.36m</td>
</tr>
<tr>
<td>7.32</td>
<td>8</td>
<td>16.46m</td>
</tr>
</tbody>
</table>

NOTE:
MINIMUM RADIUS OCCURS AT TOP COURSE.
REQUIRED RADIUS INCREASES 102mm PER COURSE BELOW, AS SHOWN ON TABLE.

MINIMUM CONVEX RADIUS—24SF UNITS
NOT TO SCALE

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Minimum Concave Radius

Wall Height (m) | Total # of Courses | Reqd. Radius at First Course
--- | --- | ---
0.91 | 2 | 4.17m
1.37 | 3 | 4.22m
1.83 | 4 | 4.27m
2.29 | 5 | 4.32m
2.74 | 6 | 4.37m
3.20 | 7 | 4.42m
3.66 | 8 | 4.47m

NOTE:
MINIMUM RADIUS OCCURS AT LOWEST COURSE.
RADIUS INCREASES 51mm PER COURSE ABOVE, AS SHOWN ON TABLE.

MINIMUM CONCAVE RADIUS—6SF UNITS

NOT TO SCALE

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NOTE: MINIMUM RADIUS OCCURS AT TOP COURSE.
REQUIRED RADIUS INCREASES 51mm PER COURSE BELOW, AS SHOWN ON TABLE.

MINIMUM CONVEX RADIUS—6SF UNITS
NOT TO SCALE

<table>
<thead>
<tr>
<th>Wall Height (m)</th>
<th>Total # of Courses</th>
<th>Req'd Radius at First Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.91</td>
<td>2</td>
<td>4.93m</td>
</tr>
<tr>
<td>1.37</td>
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<td>4.98m</td>
</tr>
<tr>
<td>1.83</td>
<td>4</td>
<td>5.03m</td>
</tr>
<tr>
<td>2.29</td>
<td>5</td>
<td>5.08m</td>
</tr>
<tr>
<td>2.74</td>
<td>6</td>
<td>5.13m</td>
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<tr>
<td>3.20</td>
<td>7</td>
<td>5.18m</td>
</tr>
<tr>
<td>3.66</td>
<td>8</td>
<td>5.23m</td>
</tr>
</tbody>
</table>

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NOTE:
MINIMUM RADIUS OCCURS AT LOWEST COURSE.
RADIUS INCREASES 51mm PER COURSE
ABOVE, AS SHOWN ON TABLE.

MINIMUM_CONCAVE_RADIUS—6—28_UNITS
NOT TO SCALE

<table>
<thead>
<tr>
<th>Wall Height (m)</th>
<th>Total # of Courses</th>
<th>Req'd. Radius at Top Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.91</td>
<td>2</td>
<td>4.16m</td>
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<tr>
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<td>4.26m</td>
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<tr>
<td>2.29</td>
<td>5</td>
<td>4.31m</td>
</tr>
<tr>
<td>2.74</td>
<td>6</td>
<td>4.37m</td>
</tr>
<tr>
<td>3.20</td>
<td>7</td>
<td>4.42m</td>
</tr>
<tr>
<td>3.66</td>
<td>8</td>
<td>4.47m</td>
</tr>
</tbody>
</table>

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PROJECT
TYPICAL DETAILS
STONE STRONG SYSTEMS
www.stonestrong.com
NOTE: MINIMUM RADIUS OCCURS AT TOP COURSE.
REQUIRED RADIUS INCREASES 51mm PER COURSE
BELOW, AS SHOWN ON TABLE.

MINIMUM CONVEX RADIUS—6–28 UNITS

NOT TO SCALE

<table>
<thead>
<tr>
<th>Wall Height (m)</th>
<th>Total # of Courses</th>
<th>Req'd Radius at Top Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.91</td>
<td>2</td>
<td>4.89m</td>
</tr>
<tr>
<td>1.37</td>
<td>3</td>
<td>4.95m</td>
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<tr>
<td>1.83</td>
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<td>2.29</td>
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<tr>
<td>2.74</td>
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<td>5.10m</td>
</tr>
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<td>3.20</td>
<td>7</td>
<td>5.15m</td>
</tr>
<tr>
<td>3.66</td>
<td>8</td>
<td>5.20m</td>
</tr>
</tbody>
</table>

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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

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PARAWEB INSTALLATION SCHEMATIC

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PLAN VIEW

1. CUT TRENCH BEFORE LAYING PARAWEB OVER COMPACTED BACKFILL
2. LOOP PARAWEB OVER REINFORCEMENT BAR IN INSERT. LAY OUT PARAWEB STRAPS AND SPAN OVER TRENCH
3. STAKE PARAWEB IN PLACE
4. FILL AND COMPACT BACKFILL OVER REAR OF PARAWEB STRAP
5. FILL AND COMPACT BACKFILL OVER TRENCH TO TENSION PARAWEB
6. FILL AND COMPACT REMAINDER OF BACKFILL OVER PARAWEB

PROJECT
PARAWEB DETAILS
STONE STRONG SYSTEMS
www.stonestrong.com
DATE: 6/29/18  FILE: 19_Paraweb Installs Schematic
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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 OUTSIDE 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.

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

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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 3.66m IN GEODGRID REINFORCED WALLS.
SEE FACE AND WEB MESH DETAILS FOR OPTIONAL REINFORCEMENT GRID.

EXTEND GEODGRID ONTO FACE FLANGE

STONE STRONG 24SF UNIT

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

24SF GEODGRID 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 3.66m IN GEOGRID REINFORCED WALLS.
SEE FACE AND WEB MESH DETAILS FOR OPTIONAL REINFORCEMENT GRID.

MINIMUM 75mm OF SOIL FILL REQUIRED BETWEEN OVERLAPPING LAYERS OF GEOGRIDS FOR PROPER ANCHORAGE.

24SF GEOGRID PLACEMENT ON CURVES
NOT TO SCALE

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MINIMUM 75mm OF SOIL FILL REQUIRED BETWEEN OVERLAPPING LAYERS OF GEGRIDS FOR PROPER ANCHORAGE.

TRIM GEGRID AT FACE WHERE NECESSARY

FRONT FACE OF WALL

6SF GEOGRID PLACEMENT ON CURVES
NOT TO SCALE
FENCE SLEEVE

200mm x 0.91m SLEEVE FOR POST; COVER TOP.
INSTALL SLEEVES WITH WALL. COORDINATE LOCATIONS WITH FENCE INSTALLER.

FENCE SLEEVE

NOT TO SCALE
WALL w/GUARD RAIL
NOT TO SCALE

GUARD RAIL POST & STANDOFF

GALVANIZED STEEL GUARD RAIL

CURB w/PAVEMENT

SLEEVE (OPTIONAL)
COORDINATE LOCATIONS w/GUARD RAIL INSTALLER

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STONE STRONG SYSTEMS
www.stonerstrong.com
DATE: 6/29/18 FILE: 36_GuardRail
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

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

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

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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www.stonestrong.com

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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STONE STRONG SYSTEMS
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PROJECT
TYPICAL DETAILS
STONE STRONG SYSTEMS

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

DUAL FACE PARAPET WALL STEP
NOT TO SCALE

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DUAL FACE CURB w/SIDEWALK

NOT TO SCALE

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13mm EXPANSION MATERIAL

CONCRETE PAVEMENT/SIDEWALK

TOP OF WALL w/SIDEWALK

NOT TO SCALE

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

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STONE STRONG DUAL FACE CAP UNIT

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

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TOP OF WALL TREATMENT
AT 18" WALL STEPS

NOT TO SCALE

*NOTE:
ADJUST GRADE SPLIT BASED UPON SPECIFIC
PROJECT REQUIREMENTS. 150MM ABOVE/ 310mm BELOW SPLIT IS ALSO COMMON.
TURN END UNIT TO RETURN 1.2m IF THERE ARE NO NEARBY OBSTACLES.

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OPTIONAL GEOTEXTILE FILTER
UNDER IMPERVIOUS FILL/TOPSOIL

STONE STRONG
24SF RETAINING
WALL TOP UNIT

STONE STRONG
24SF RETAINING
WALL UNIT

UNIT FILL

OPTIONAL GEOTEXTILE FILTER (SEE INSET)

300mm MIN. OVERLAP TOP & BOTTOM

NON-WOVEN GEOTEXTILE FABRIC

600mm MIN.

OPTIONAL GEOTEXTILE FILTER
NOT TO SCALE
NOTE:
ON CONVEX CURVES, PROVIDE REINFORCEMENT TO ATTACH EXTENSION DUE TO REDUCED OPENING WIDTH BETWEEN TAILS.

PLACE 25MPa 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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NOTE:
ON CONVEX CURVES, PROVIDE REINFORCEMENT TO
ATTACH EXTENSION DUE TO REDUCED OPENING
WIDTH BETWEEN TAILS.

PLACE 25MPa 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

UNIT FILL IN
CORES OF UNITS

MINIMUM WIDTH OF TAIL
EXTENSION AS SHOWN
ON LAYOUT/ELEVATION

MINIMUM WIDTH
FOR MINIMUM WIDTH,
SEE WALL 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

#4 REBAR EMBEDS
UNIT FILL

25MPa CONCRETE TAIL EXTENSION

#4 60° REBAR HAIRPINS

W/2 OR 600mm MIN.
WIDTH OF TAIL EXTENSION

W
WIDTH OF TAIL EXTENSION

FOR MINIMUM WIDTH, SEE WALL ELEVATION
MINIMUM WIDTH

FOR HEIGHT
SEE WALL ELEVATION

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
REINFORCED CONNECTION FOR 24 SF UNITS

NOT TO SCALE

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

PLAN VIEW

SECTION

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

WIDTH OF TAIL EXTENSION +600mm

#5 BENT BAR PAIRS

25 MPa CONCRETE TAIL EXTENSION

FOR MINIMUM WIDTH, SEE WALL ELEVATION

MINIMUM WIDTH

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TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 FILE: 51_24 SF TailExtConnect

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

#5 BENT BAR (1 BAR REQ'D. PER JOINT BETWEEN ABUTTING 6 SF UNITS)

WIDTH OF TAIL EXTENSION +600mm

130mm

300mm

75mm

25 MPa CONCRETE TAIL EXTENSION

FOR MINIMUM WIDTH, SEE WALL ELEVATION

MINIMUM WIDTH

PLAN VIEW

SECTION

REINFORCED CONNECTION FOR 6SF UNITS

NOT TO SCALE

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