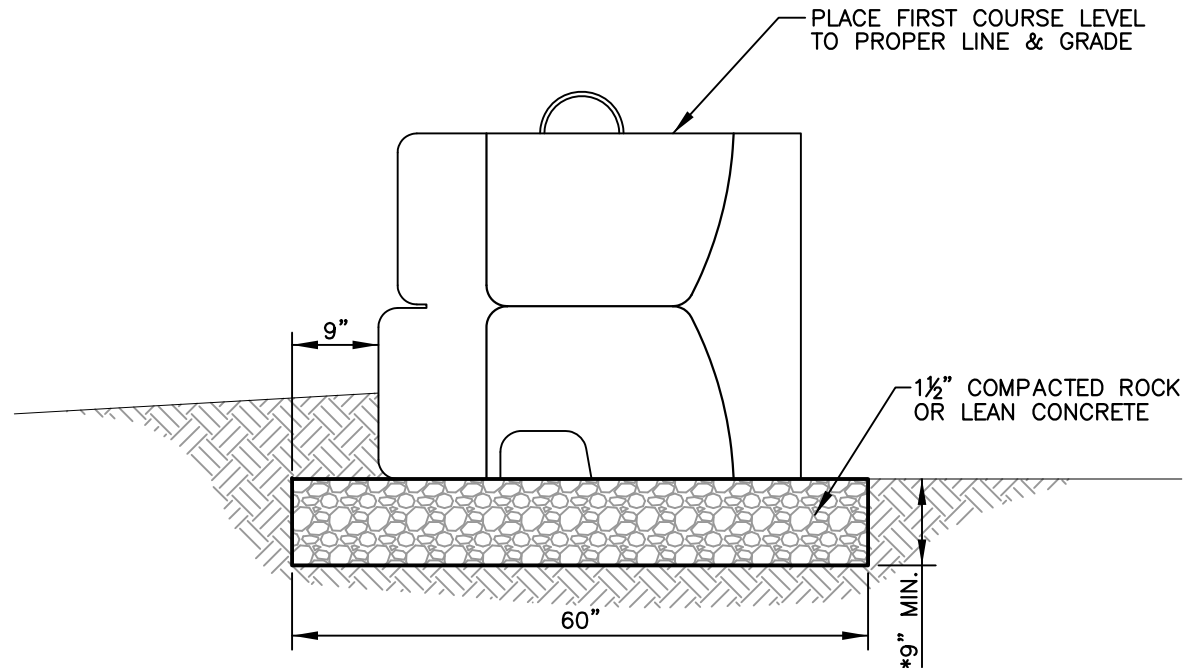




NOTE: BEARING CONDITIONS SHALL BE OBSERVED BY THE SITE GEOTECHNICAL ENGINEER. BASE DIMENSIONS MAY BE INCREASED TO ADDRESS DEFICIENT SOIL BEARING CONDITIONS.

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

24SF WALL BASE

NOT TO SCALE

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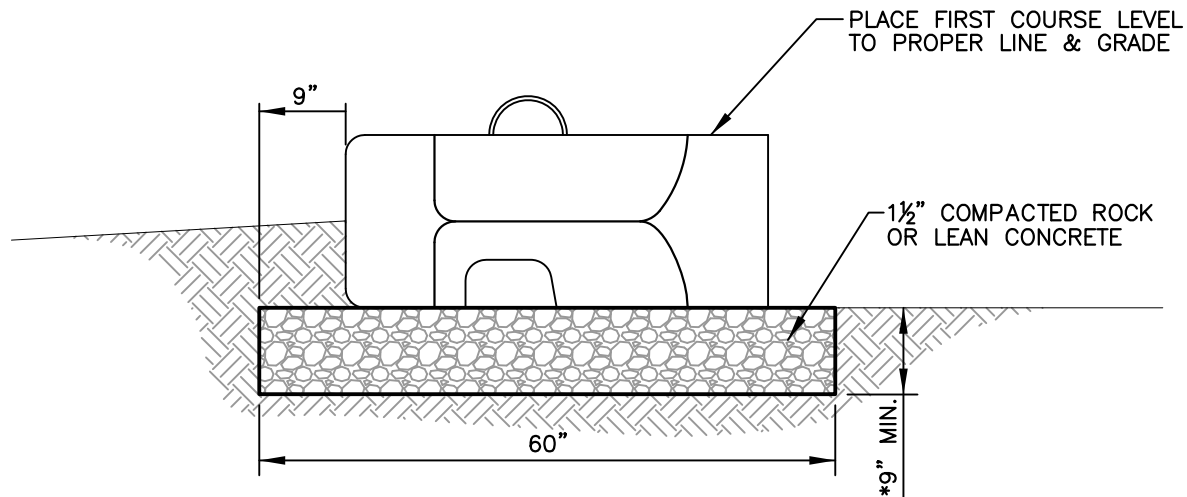


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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 2/10/16 | FILE: 01_24sf.Base



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

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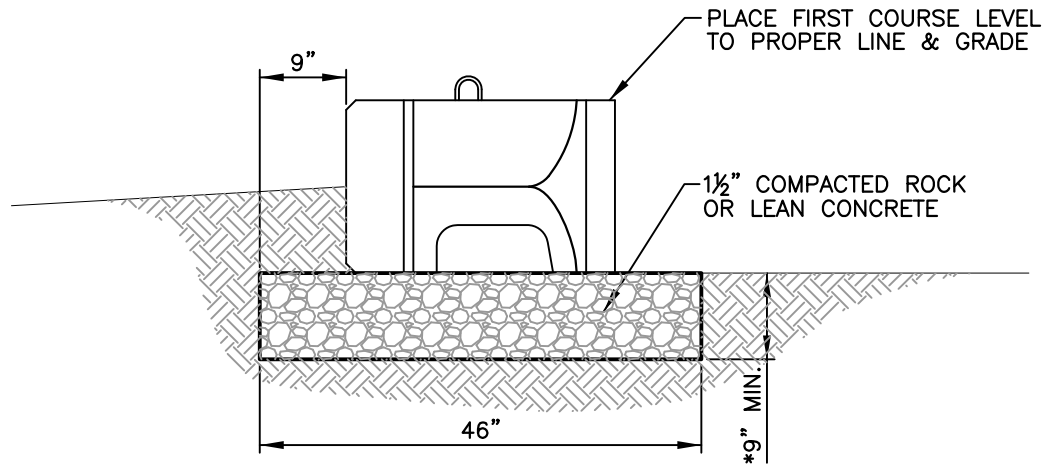


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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 2/10/16 FILE: 02_6sf.Base



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

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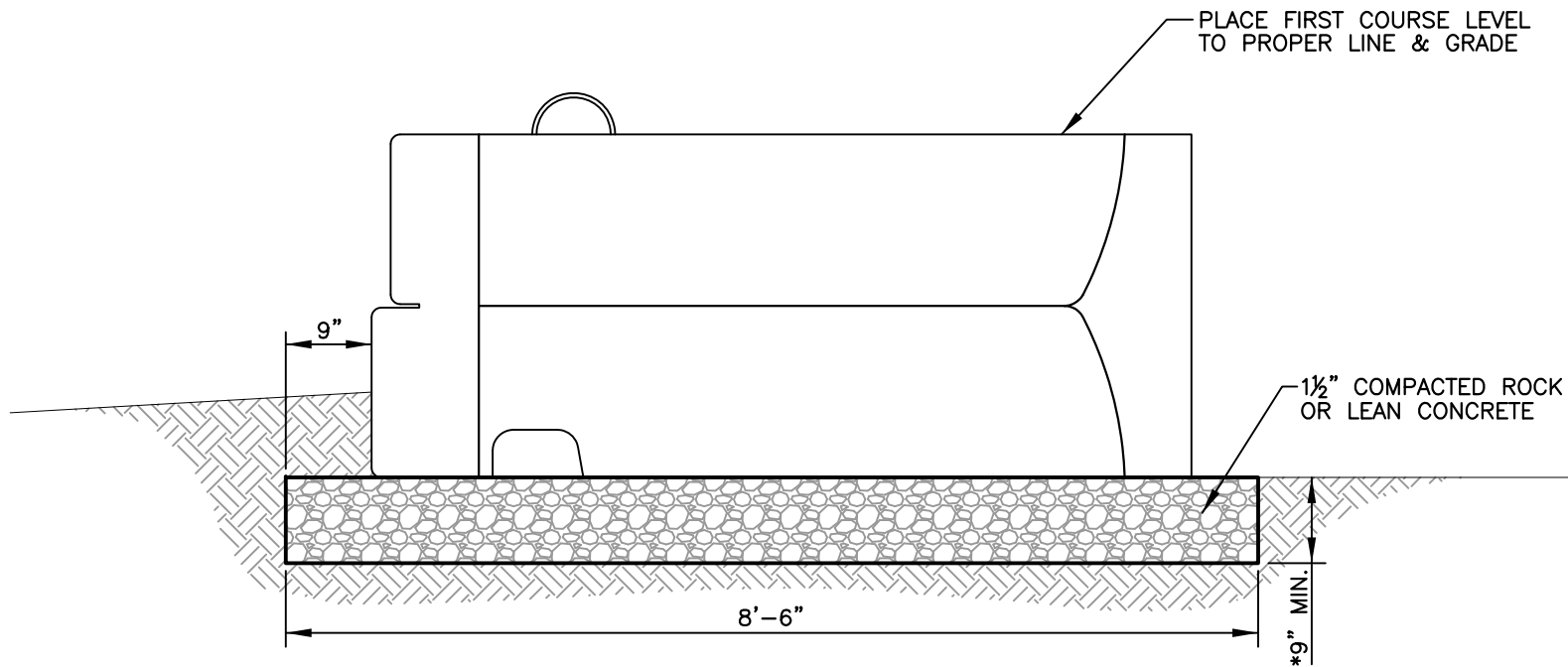
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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 2/10/16

FILE: 03_6-28.Base



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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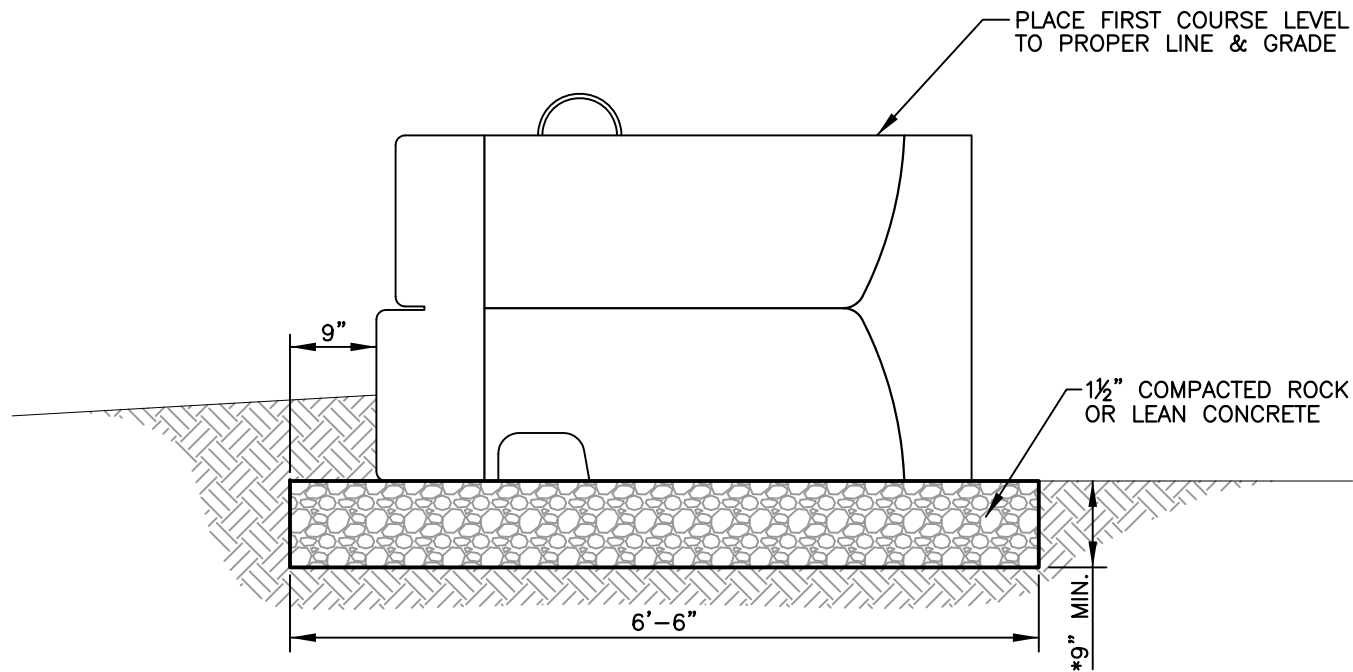
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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 2/10/16

FILE: 04_24-86.Base



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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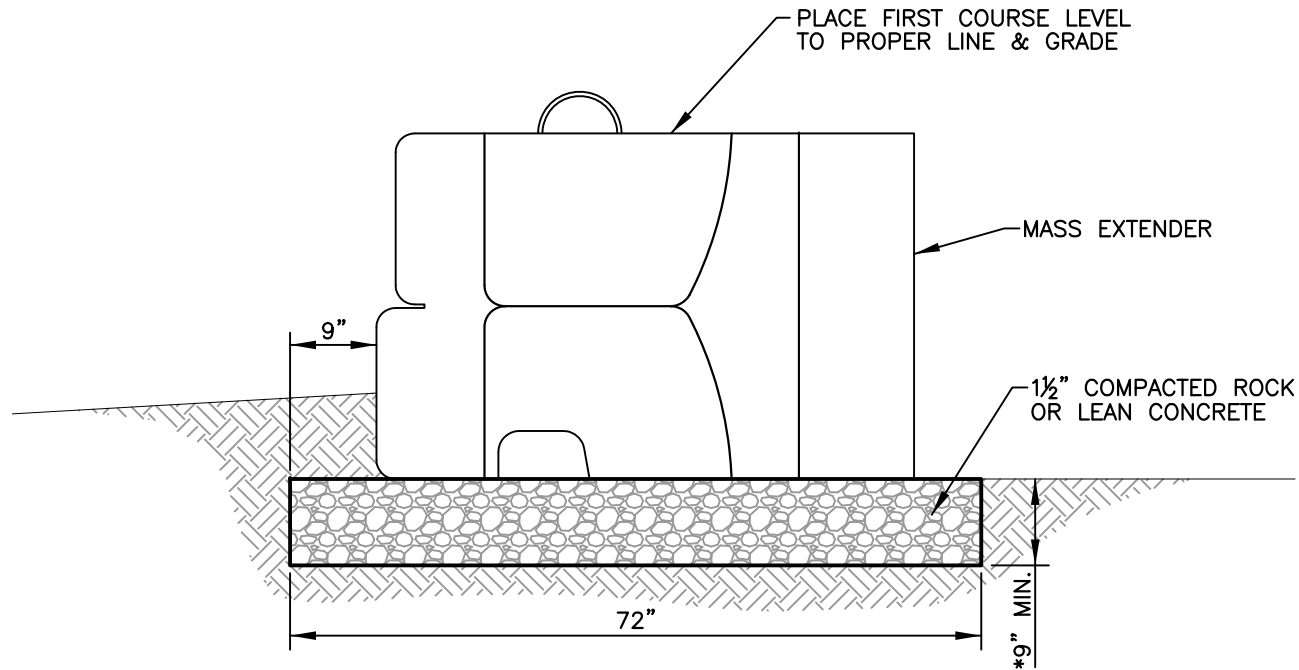
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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 2/10/16

FILE: 05_24-62.Base



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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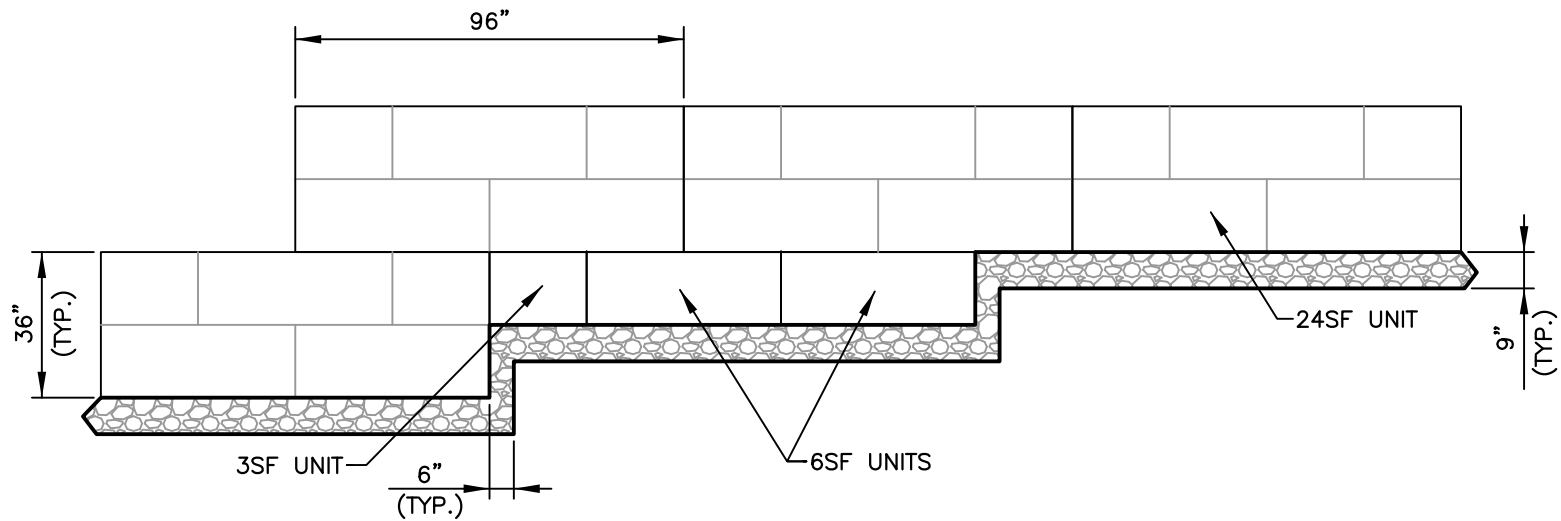


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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 2/10/16 FILE: 06_24sf.Base.MassExtender



WALL BASE STEP

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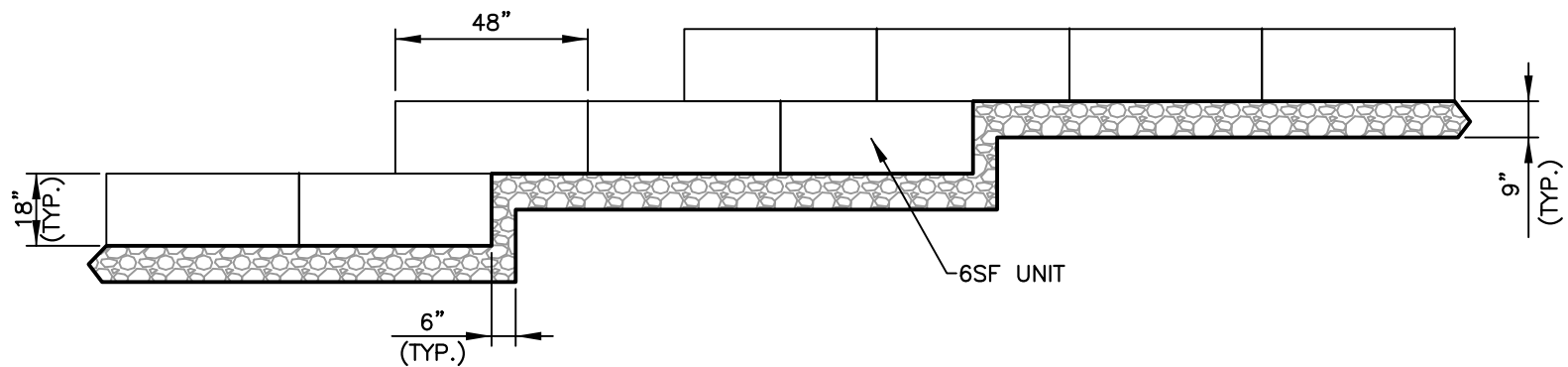


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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 2/10/16 FILE: 07_24sf.BaseStep



6SF WALL BASE STEP

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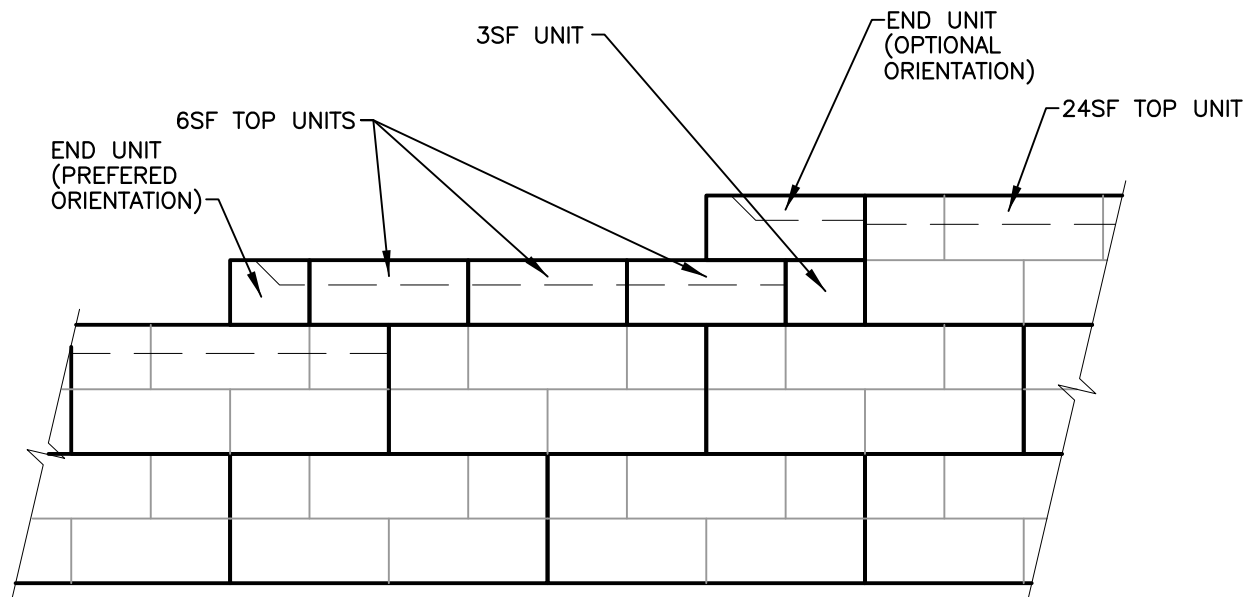


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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 2/10/16 FILE: 08_6sf.BaseStep



TOP OF WALL STEPS

NOT TO SCALE

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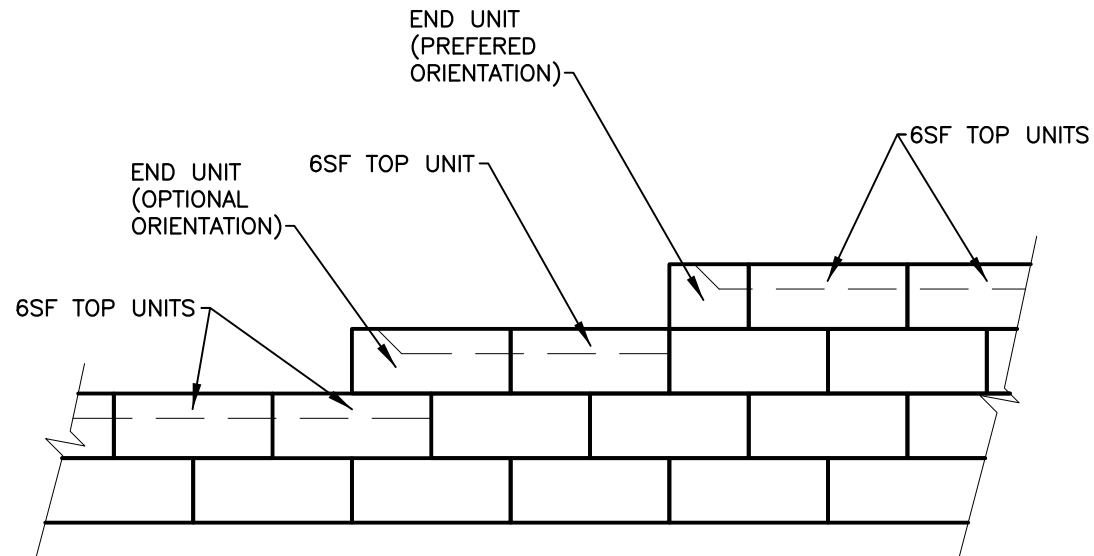


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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 2/10/16 FILE: 09_24sf.TopStep



TOP OF WALL STEPS

NOT TO SCALE

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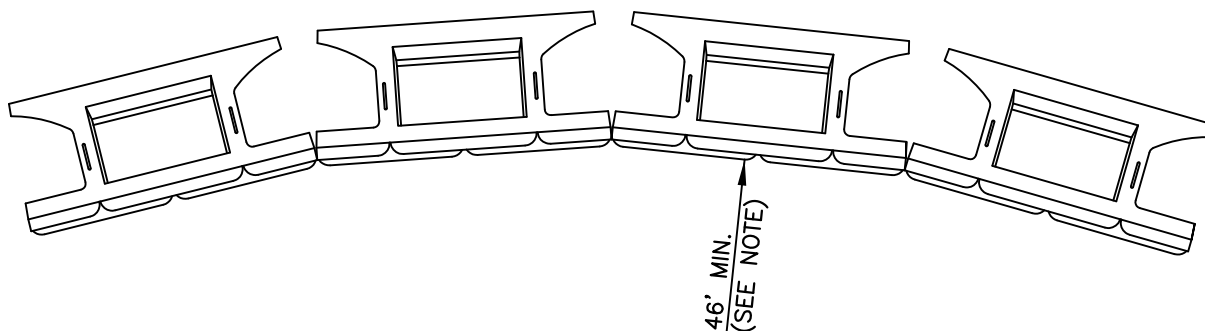


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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 2/10/16 FILE: 10_6sf.TopStep



Minimum Concave Radius		
Wall Height (ft)	Total # of Courses	Reqd. Radius at Top Course
6	2	46' 4"
9	3	46' 8"
12	4	47' 0"
15	5	47' 4"
18	6	47' 8"
21	7	48' 0"
24	8	48' 4"

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

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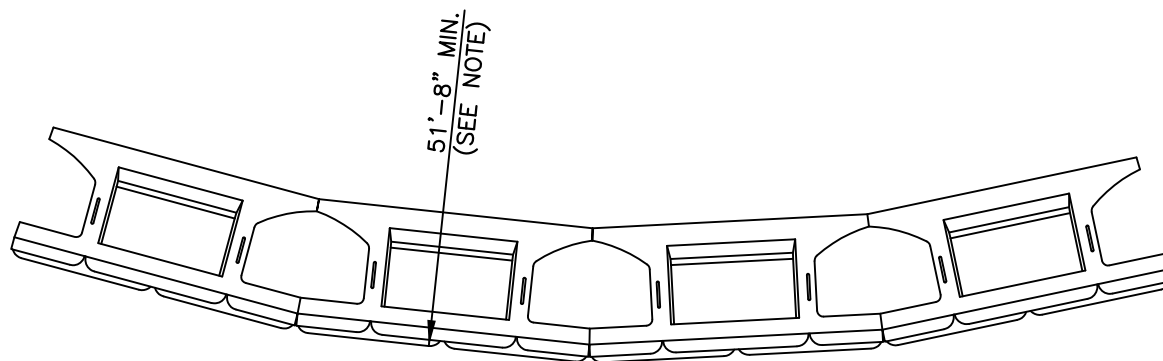


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PROJECT

TYPICAL DETAILS
 STONE STRONG SYSTEMS

DATE: 2/10/16 FILE: 11_24sf.RadMin.Concave



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

Minimum Convex Radius		
Wall Height (ft)	Total # of Courses	Reqd. Radius at First Course
6	2	52' 0"
9	3	52' 4"
12	4	52' 8"
15	5	53' 0"
18	6	53' 4"
21	7	53' 8"
24	8	54' 0"

MINIMUM CONVEX RADIUS—24SF UNITS NOT TO SCALE

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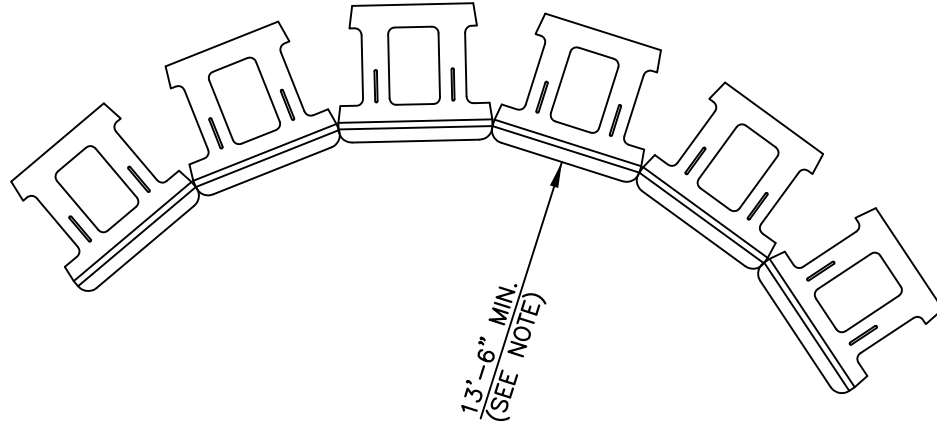


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PROJECT

TYPICAL DETAILS
 STONE STRONG SYSTEMS

DATE: 2/10/16 FILE: 12_24sf.RadMin.Convex



NOTE:

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

Minimum Concave Radius		
Wall Height (ft)	Total # of Courses	Reqd. Radius at Top Course
3	2	13' 8"
4 1/2	3	13' 10"
6	4	14' 0"
7 1/2	5	14' 2"
9	6	14' 4"
10 1/2	7	14' 6"
12	8	14' 8"

MINIMUM CONCAVE RADIUS—6SF UNITS

NOT TO SCALE

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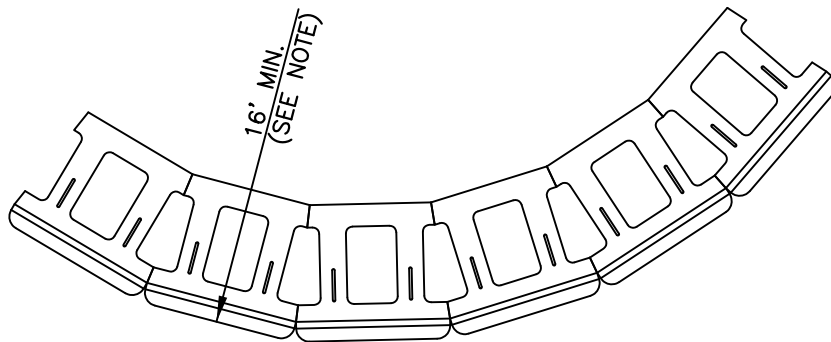


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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 2/10/16 FILE: 13_6sf.RadMin.Concave



NOTE:

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

Minimum Convex Radius		
Wall Height (ft)	Total # of Courses	Reqd. Radius at First Course
3	2	16' 2"
4 1/2	3	16' 4"
6	4	16' 6"
7 1/2	5	16' 8"
9	6	16' 10"
10 1/2	7	17' 0"
12	8	17' 2"

MINIMUM CONVEX RADIUS—6SF UNITS

NOT TO SCALE

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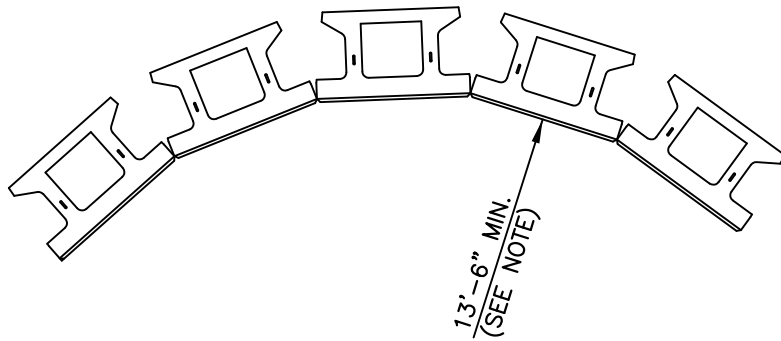


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TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 2/10/16 FILE: 14_6sf.RadMin.Convex



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

Minimum Concave Radius		
Wall Height (ft)	Total # of Courses	Reqd. Radius at Top Course
3	2	13' 8"
4 1/2	3	13' 10"
6	4	14' 0"
7 1/2	5	14' 2"
9	6	14' 4"
10 1/2	7	14' 6"
12	8	14' 8"

MINIMUM CONCAVE RADIUS—6—28 UNITS

NOT TO SCALE

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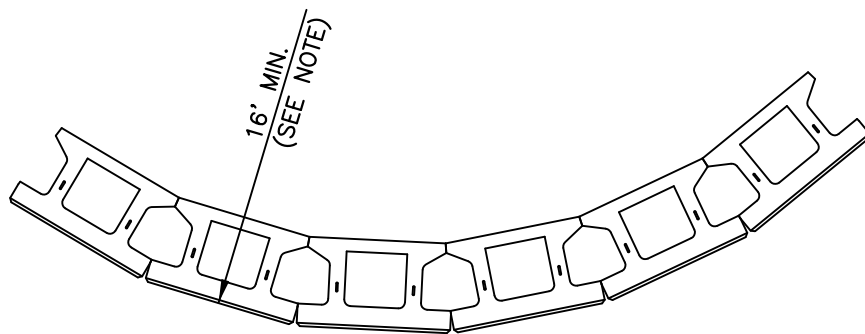


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TYPICAL DETAILS
 STONE STRONG SYSTEMS

DATE: 2/10/16 FILE: 15_6—28.RadMin.Concave



NOTE:

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

Minimum Convex Radius		
Wall Height (ft)	Total # of Courses	Reqd. Radius at First Course
3	2	16' 2"
4 1/2	3	16' 4"
6	4	16' 6"
7 1/2	5	16' 8"
9	6	16' 10"
10 1/2	7	17' 0"
12	8	17' 2"

MINIMUM CONVEX RADIUS—6—28 UNITS

NOT TO SCALE

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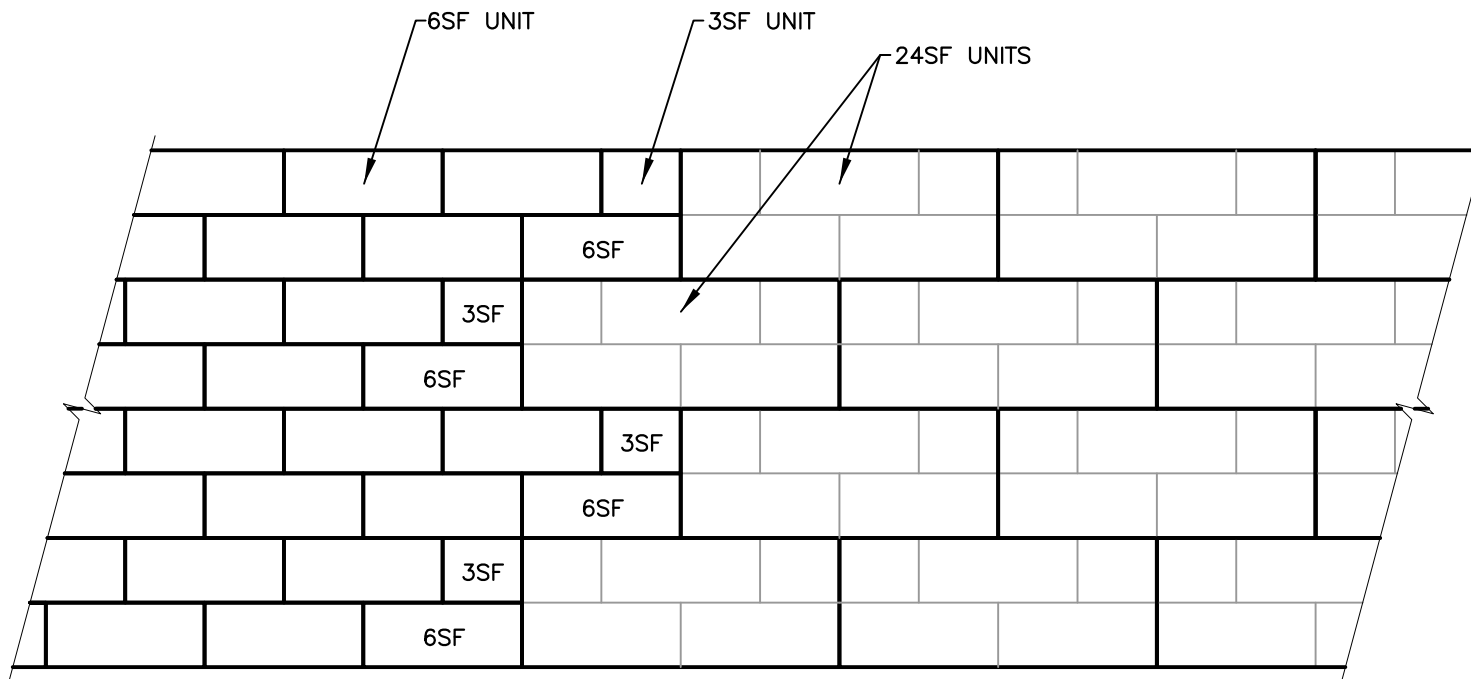


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TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 2/10/16 FILE: 16_6-28.RadMin.Convex



TRANSITION 24SF TO 6SF

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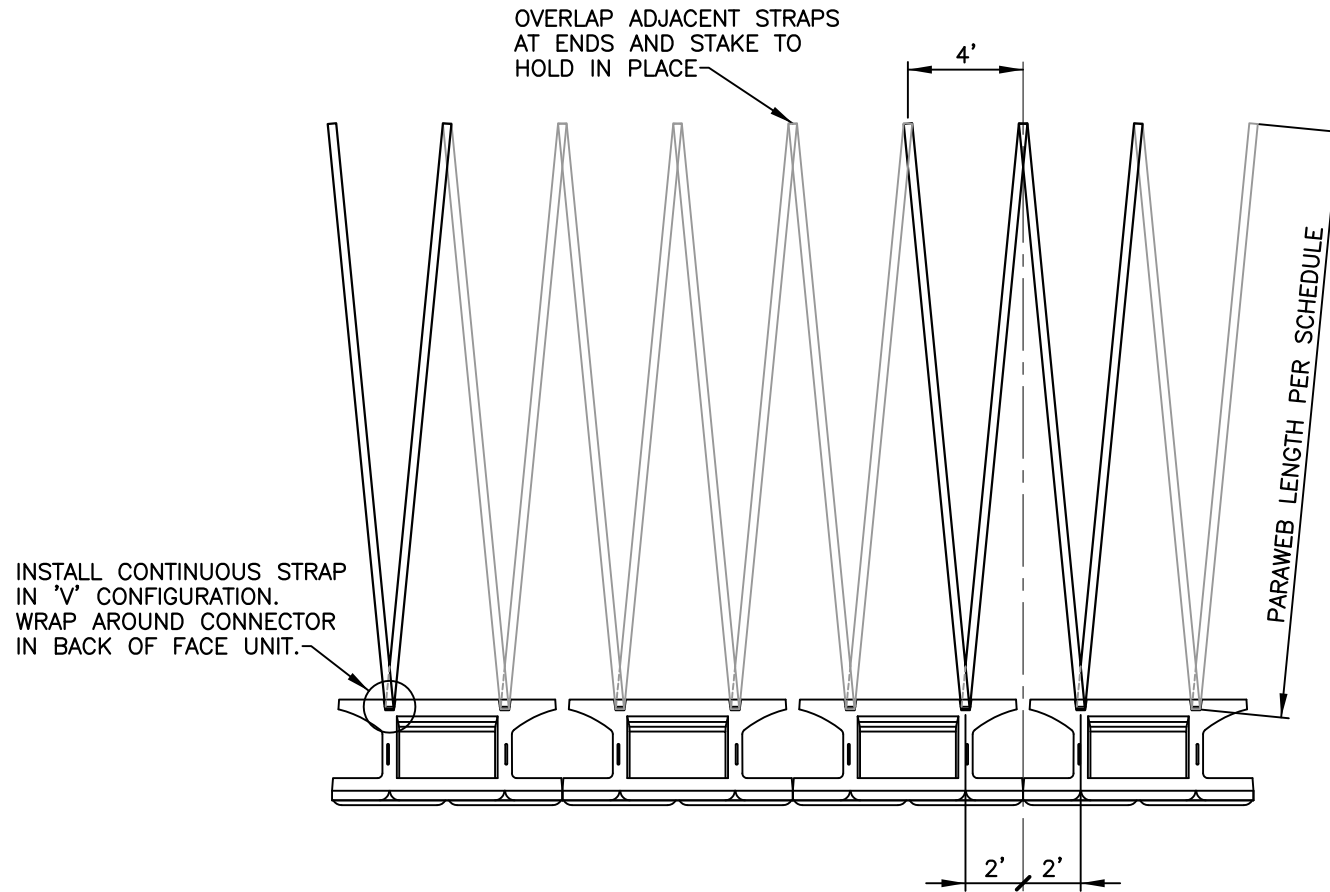


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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 2/10/16 | FILE: 17_24sf-6sf.Transition



TYPICAL PARAWEB LAYOUT
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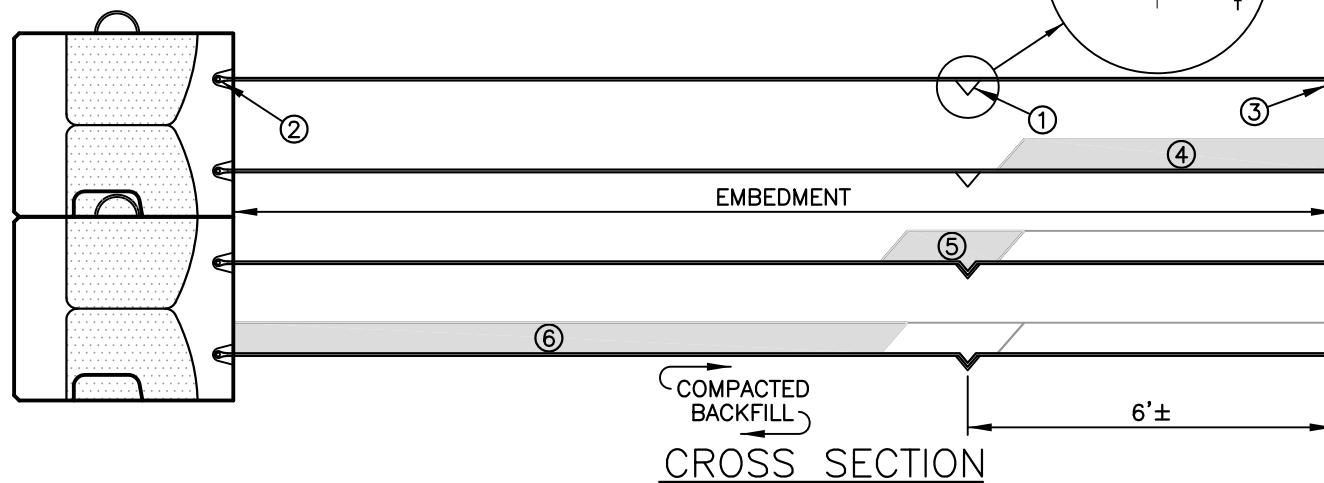
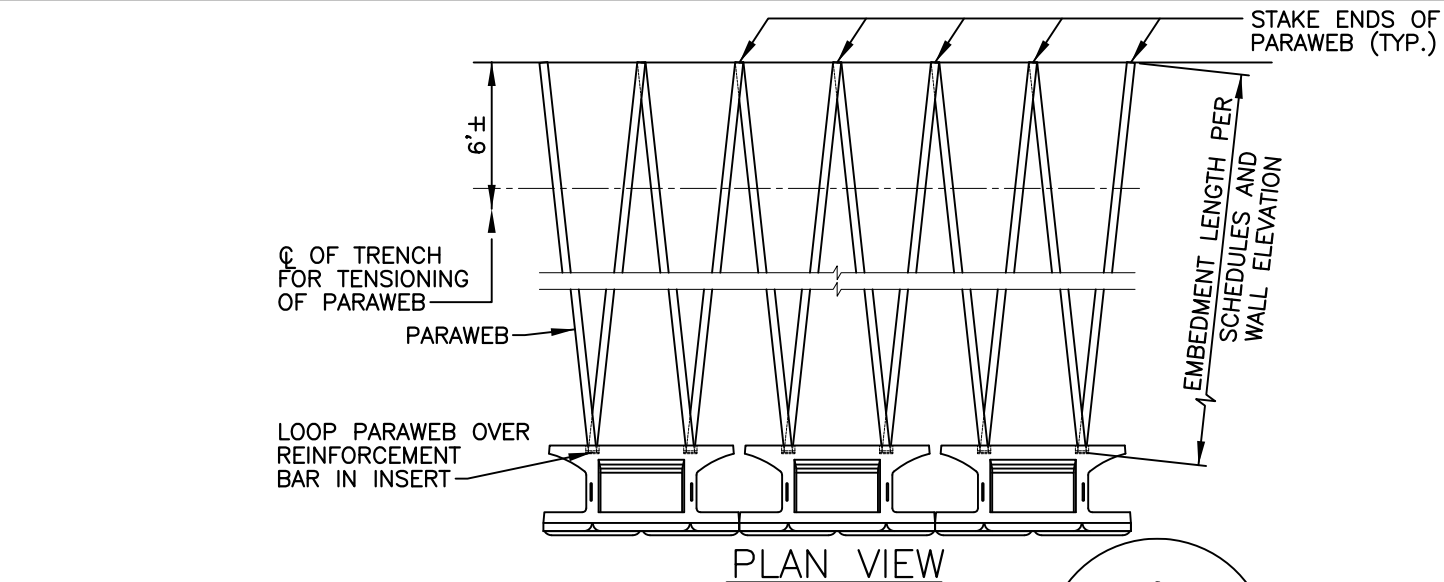
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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18

FILE: 18_Typical Paraweb Layout



PARAWEB INSTALLATION SCHEMATIC

NOT TO SCALE

- 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

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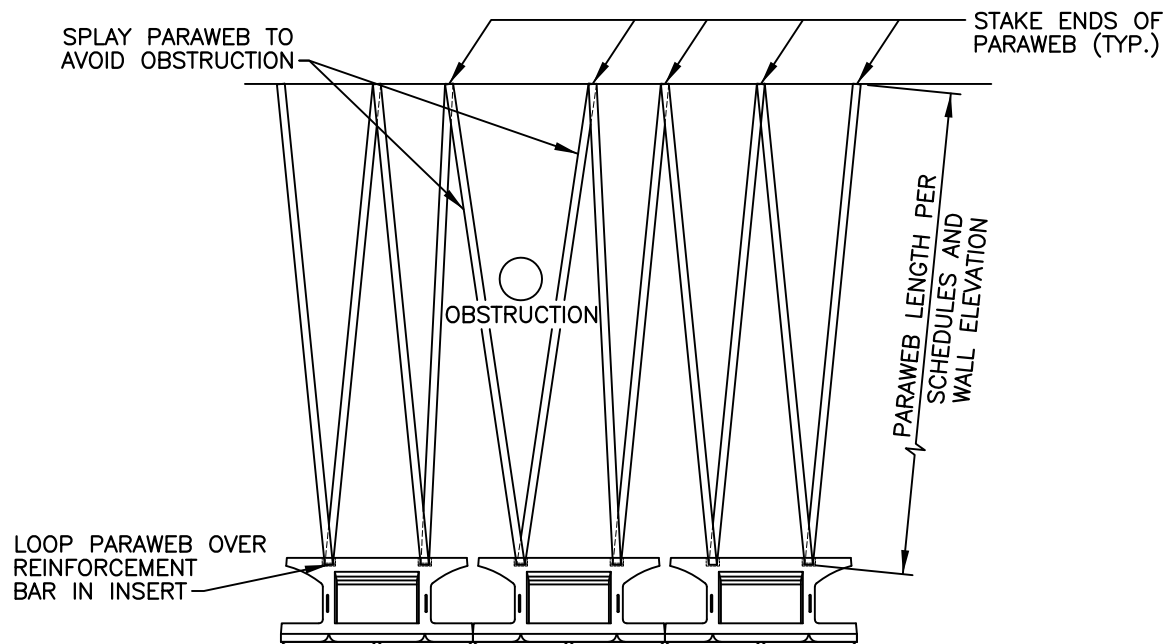


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TYPICAL DETAILS
STONE STRONG SYSTEMS

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



PLAN VIEW

PARAWEB OBSTRUCTION DETAIL

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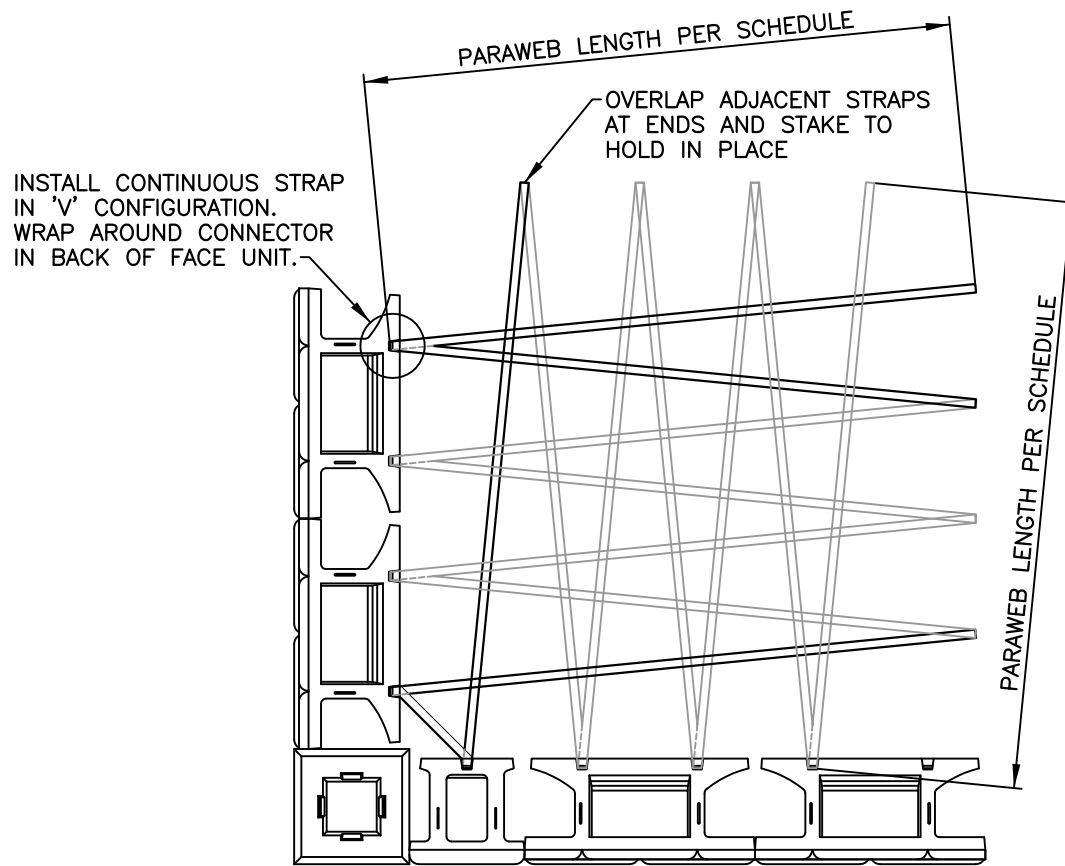


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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 | FILE: 20_Paraweb Obstruction



PARAWEB ON OUTSIDE CORNER

NOT TO SCALE

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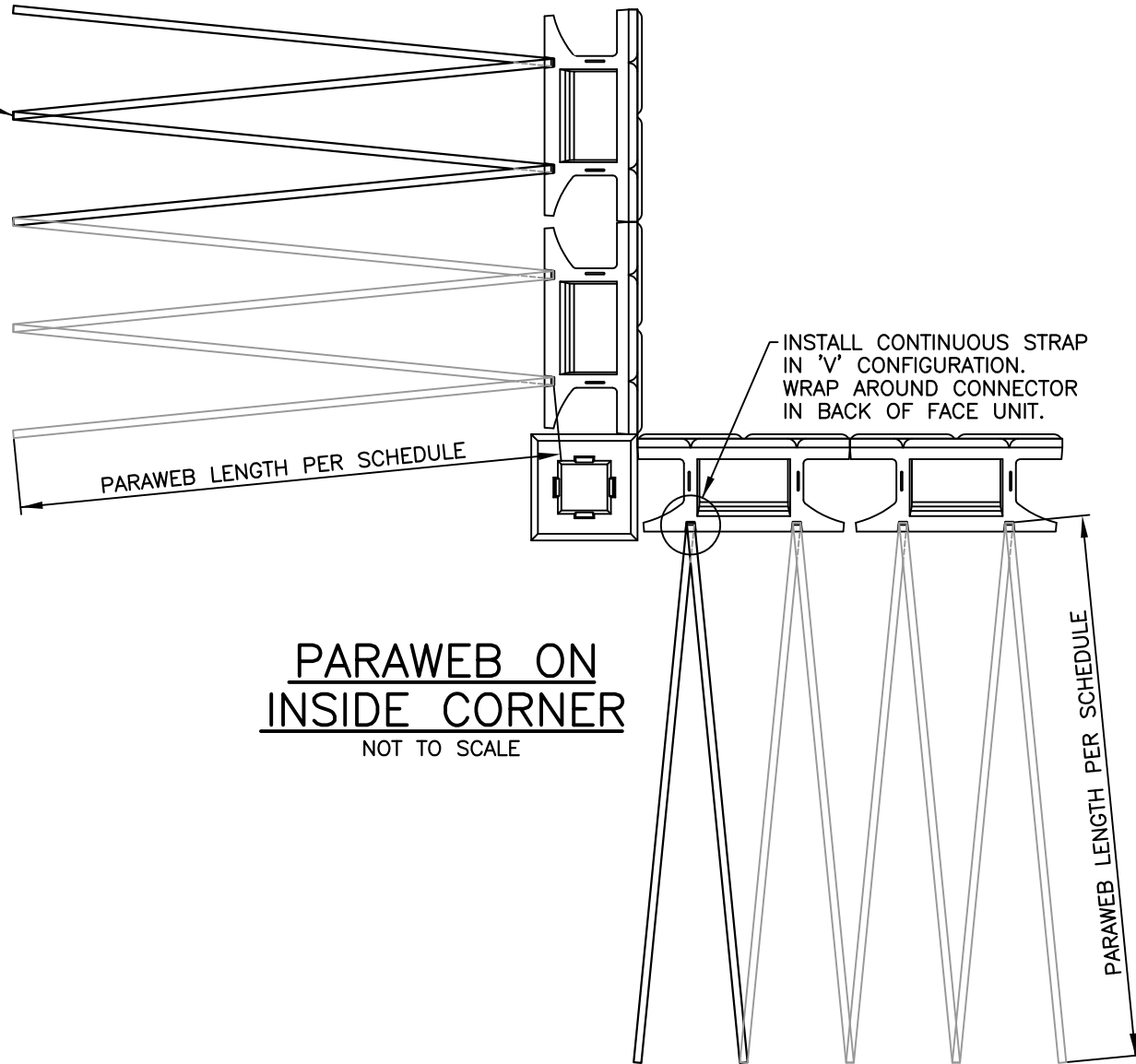
www.stonestrong.com

PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 | FILE: 21_Paraweb.Outside Corner

OVERLAP ADJACENT STRAPS
AT ENDS AND STAKE TO
HOLD IN PLACE



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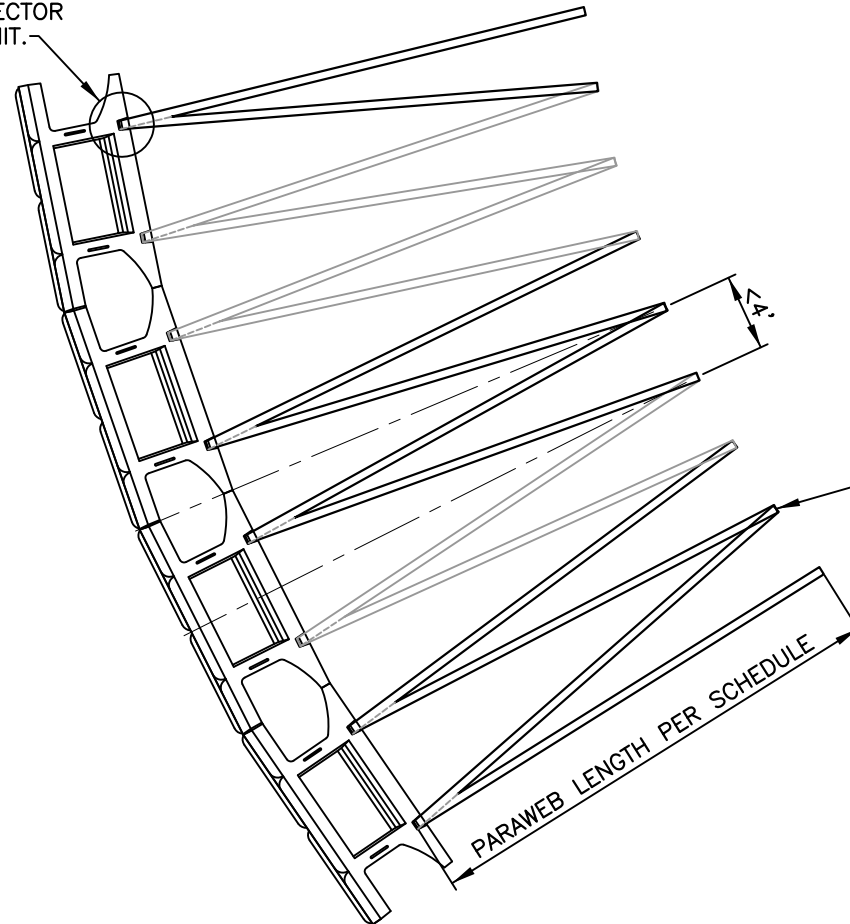
www.stonestrong.com

PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 FILE: 22_Paraweb. Inside Corner

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

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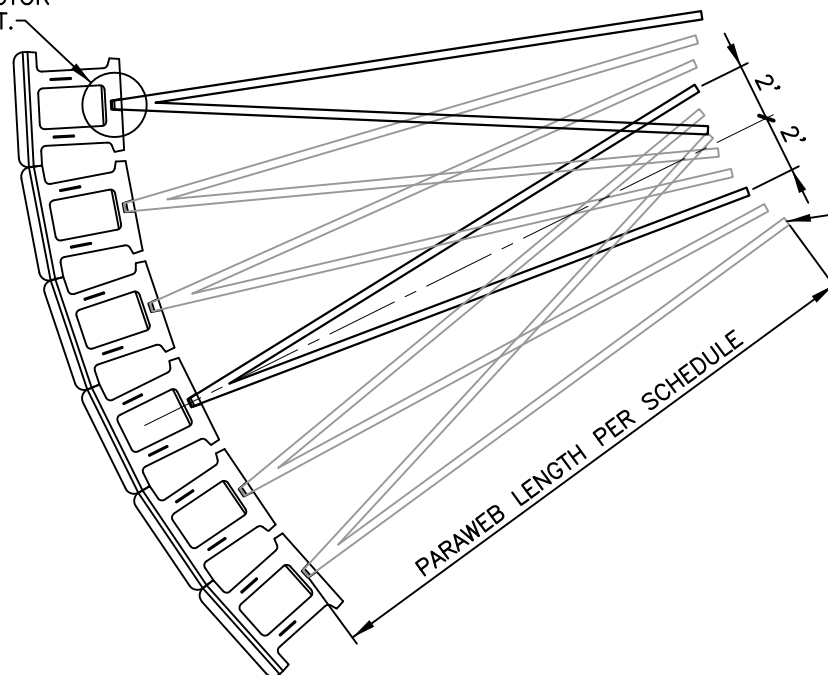
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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 | FILE: 23_Para.LgRad.Convex

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



STAKE ENDS TO
HOLD IN PLACE

PARAWEB LENGTH PER SCHEDULE

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

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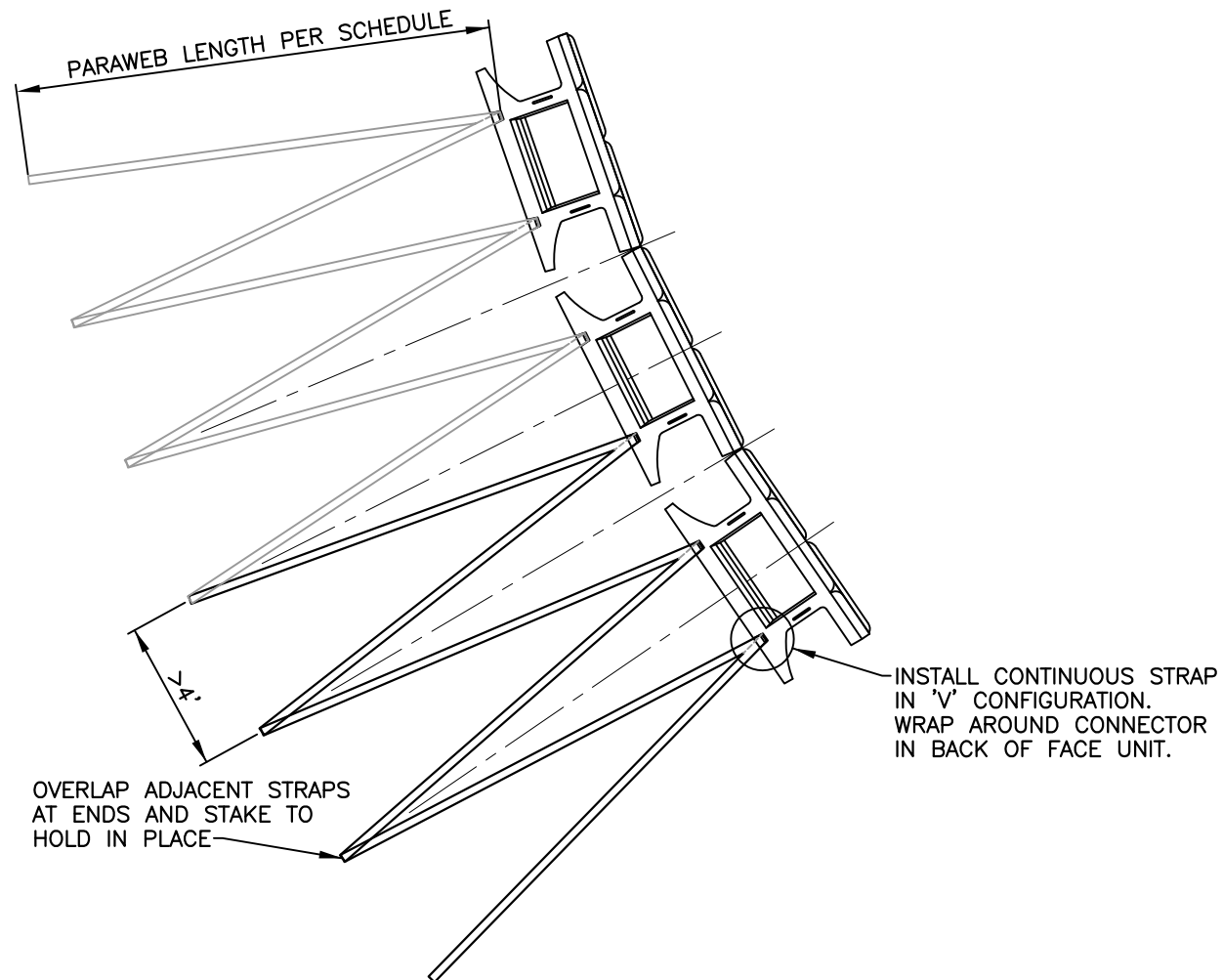


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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 | FILE: 24_Para.ShRad.Convex



PARAWEB ON CONCAVE CURVE

NOT TO SCALE

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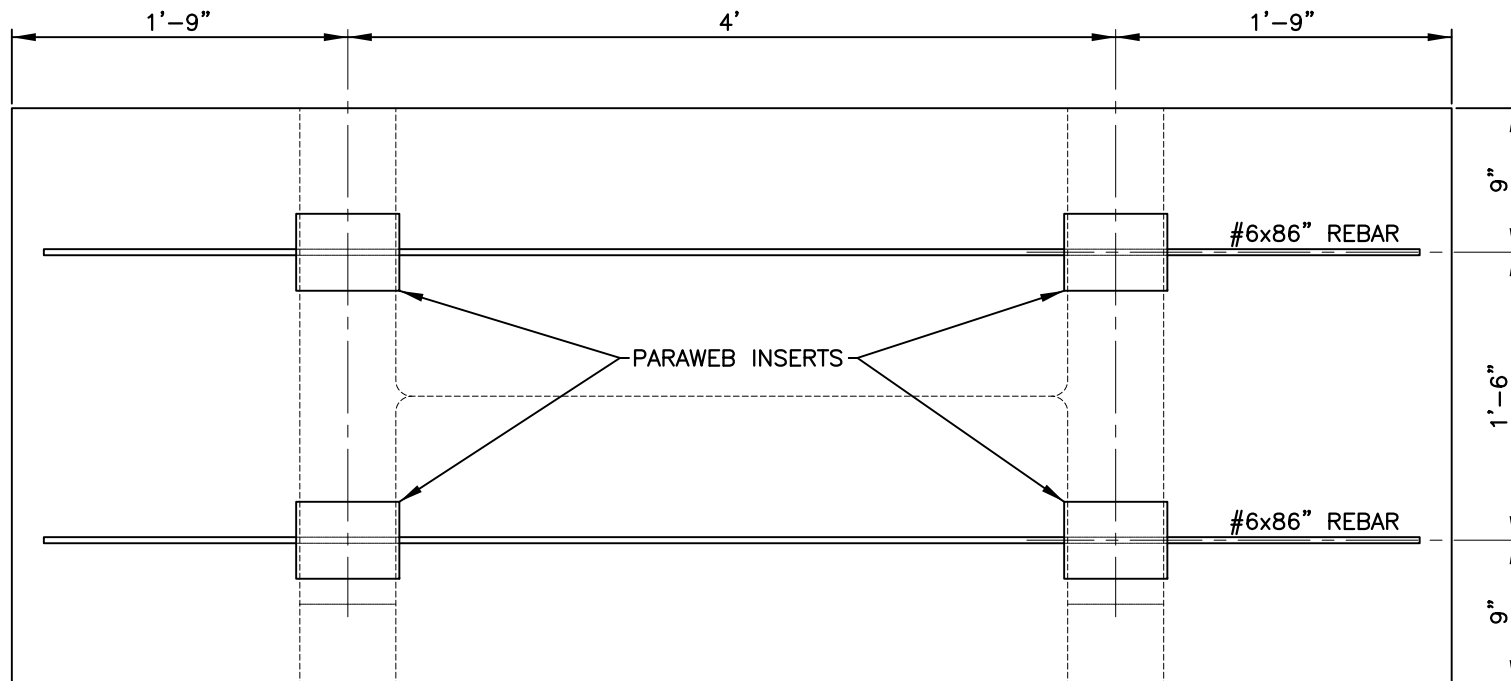


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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 | FILE: 25_Paraweb.Concave Rad



24SF UNIT w/PARAWEBS INSERTS

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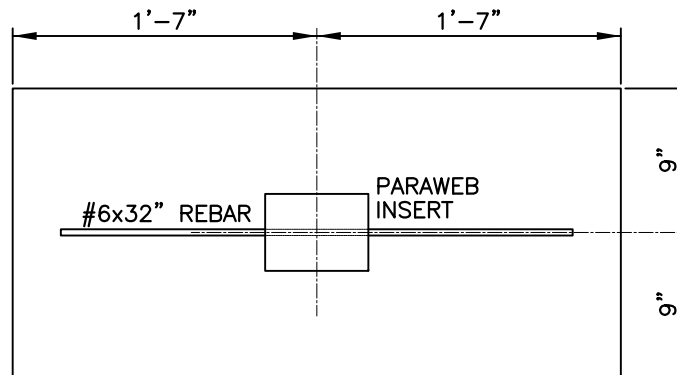


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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 FILE: 26_24sf-Rear Shell-Inserts



6SF UNIT w/PARAWEB INSERT

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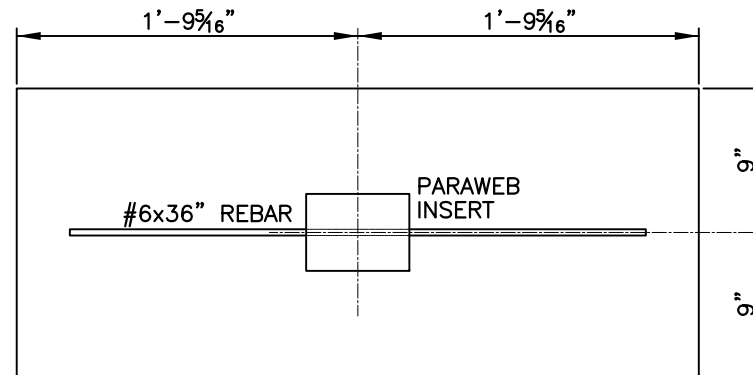


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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 FILE: 27_6sf-Rear Shell-Insert



6-28 UNIT w/PARAWEB INSERT

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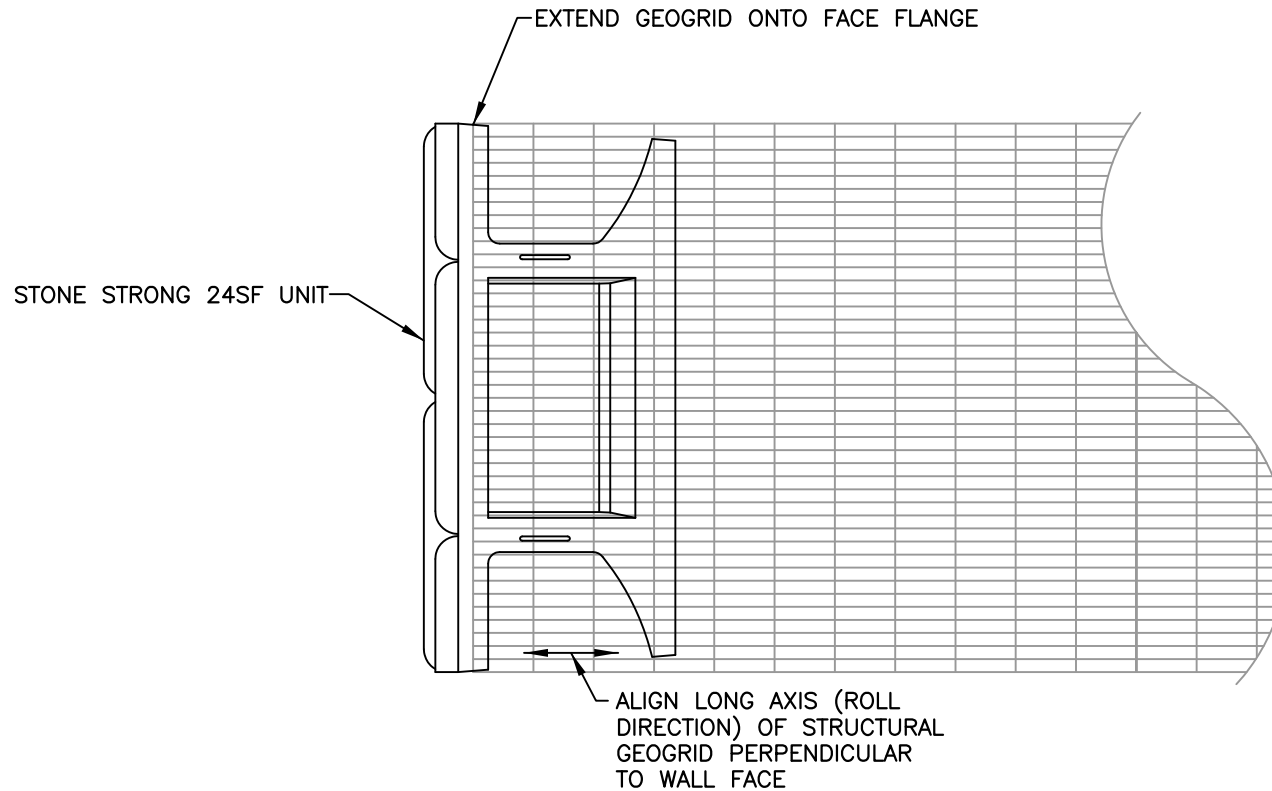
PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 FILE: 28_6-28 Rear Shell-Insert

NOTE:

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



24SF GEOGRID ORIENTATION

NOT TO SCALE

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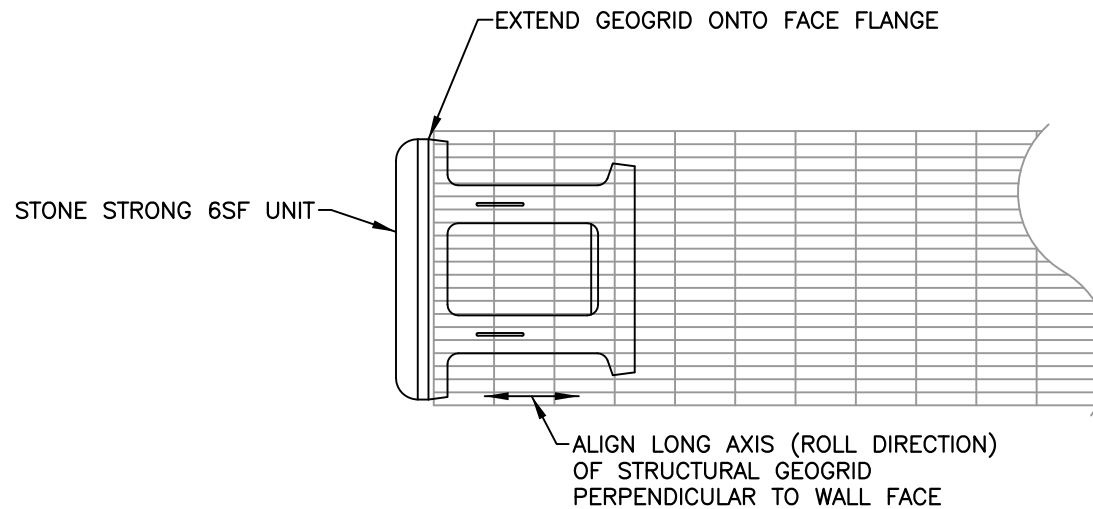


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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 | FILE: 29_24sf.GridOrient



6SF GEOGRID ORIENTATION

NOT TO SCALE

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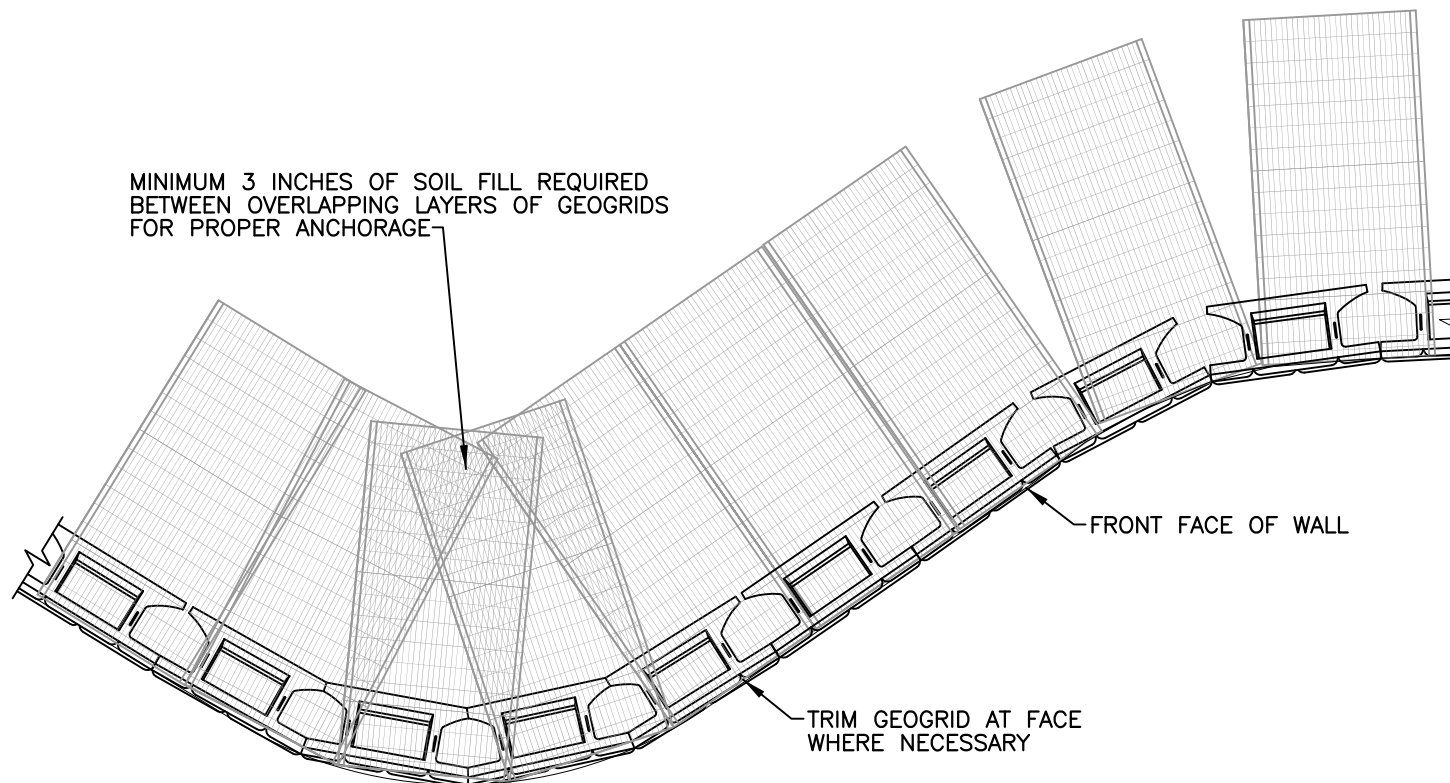
PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 | FILE: 30_6sf.GridOrient

NOTE:

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



24SF GEOGRID PLACEMENT ON CURVES

NOT TO SCALE

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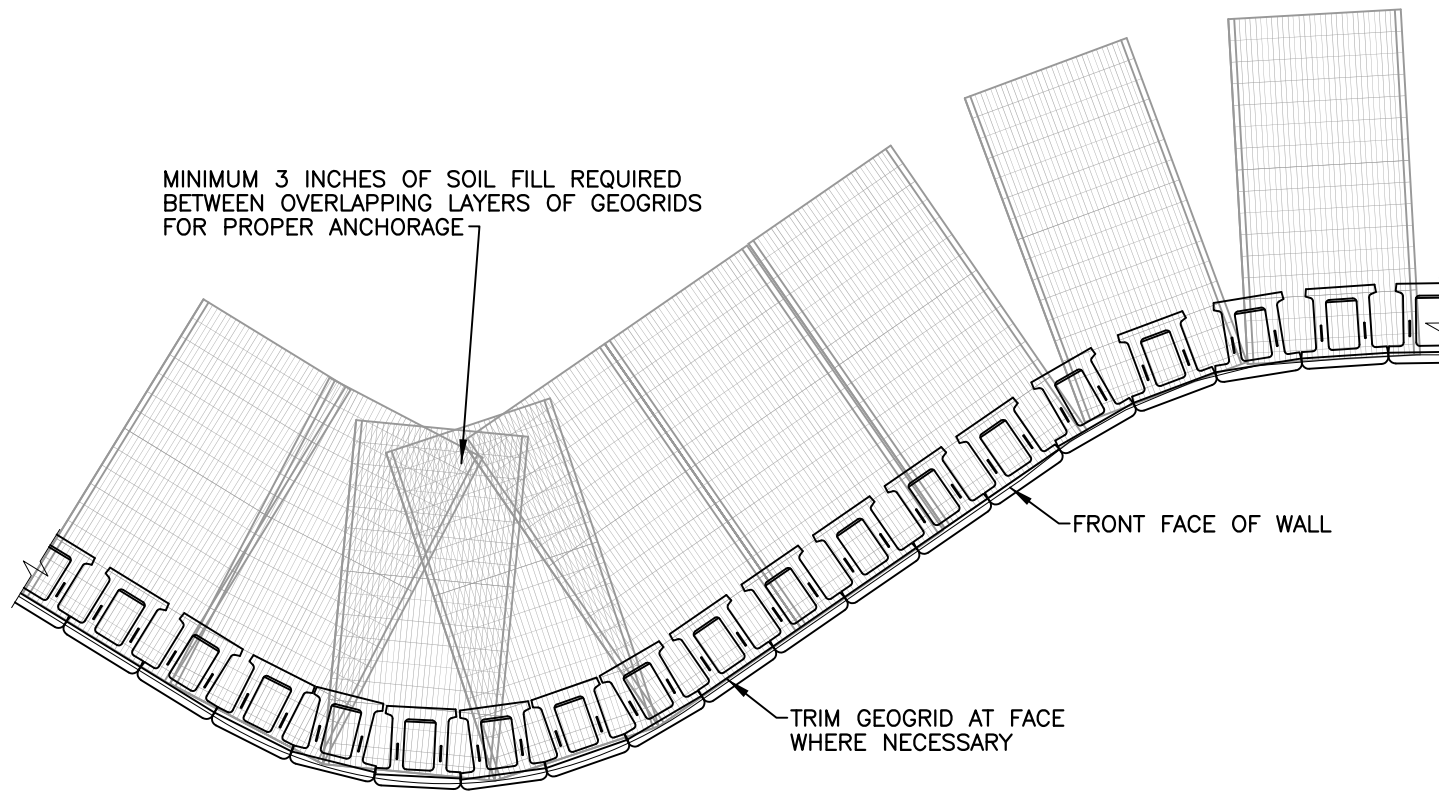


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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 | FILE: 31_24sf.Grid.Curves



6SF GEOGRID PLACEMENT ON CURVES

NOT TO SCALE

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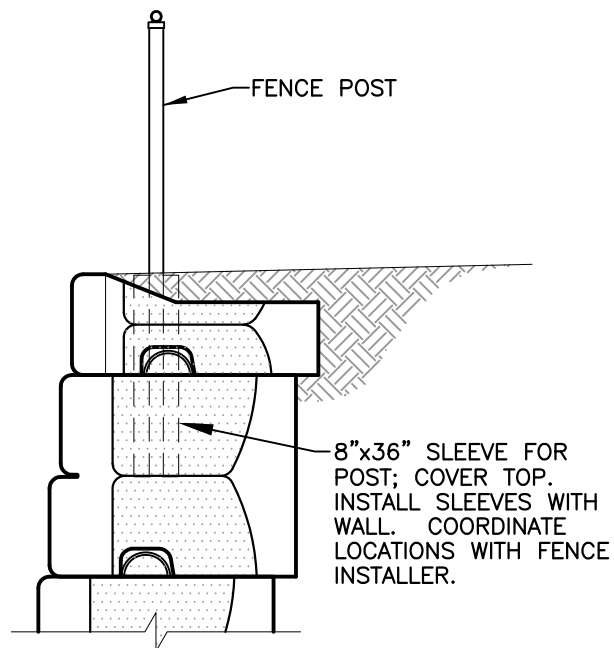


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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 FILE: 32_6sf.Grid.Curves



FENCE SLEEVE
NOT TO SCALE

DISCLAIMER:

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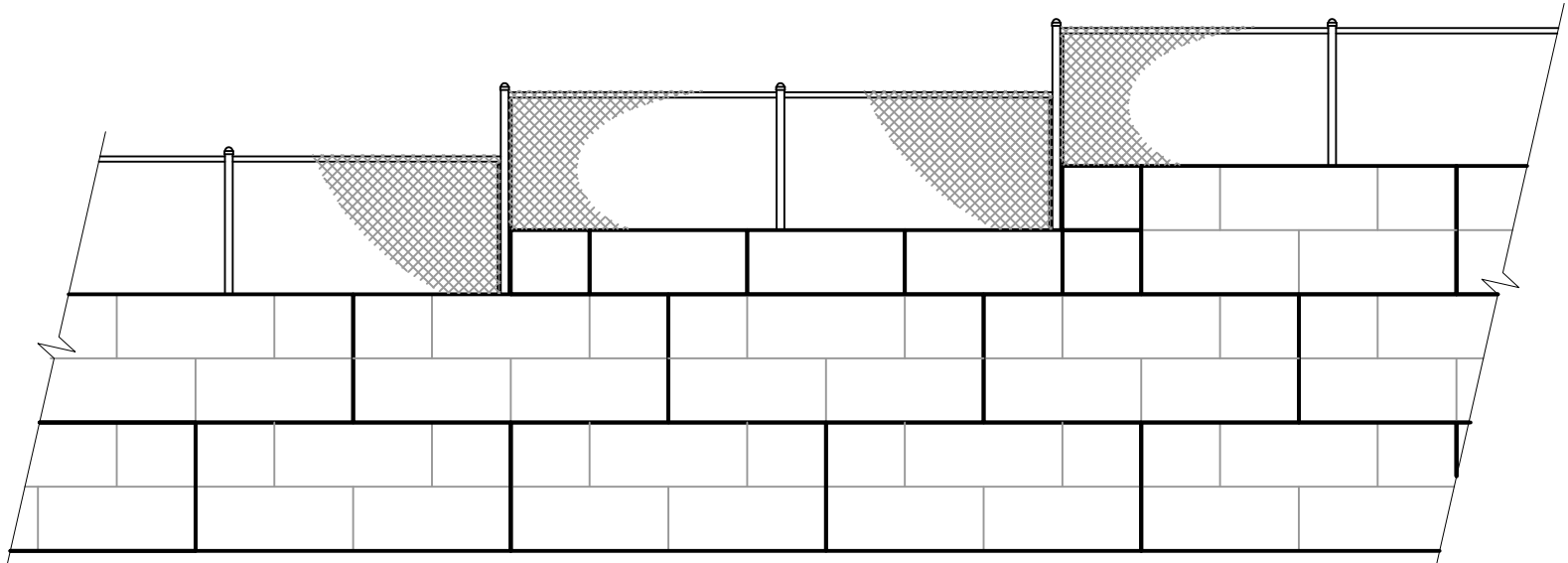


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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 | FILE: 33_6sf.FenceSleeve



TYPICAL FENCE CONFIGURATION

NOT TO SCALE

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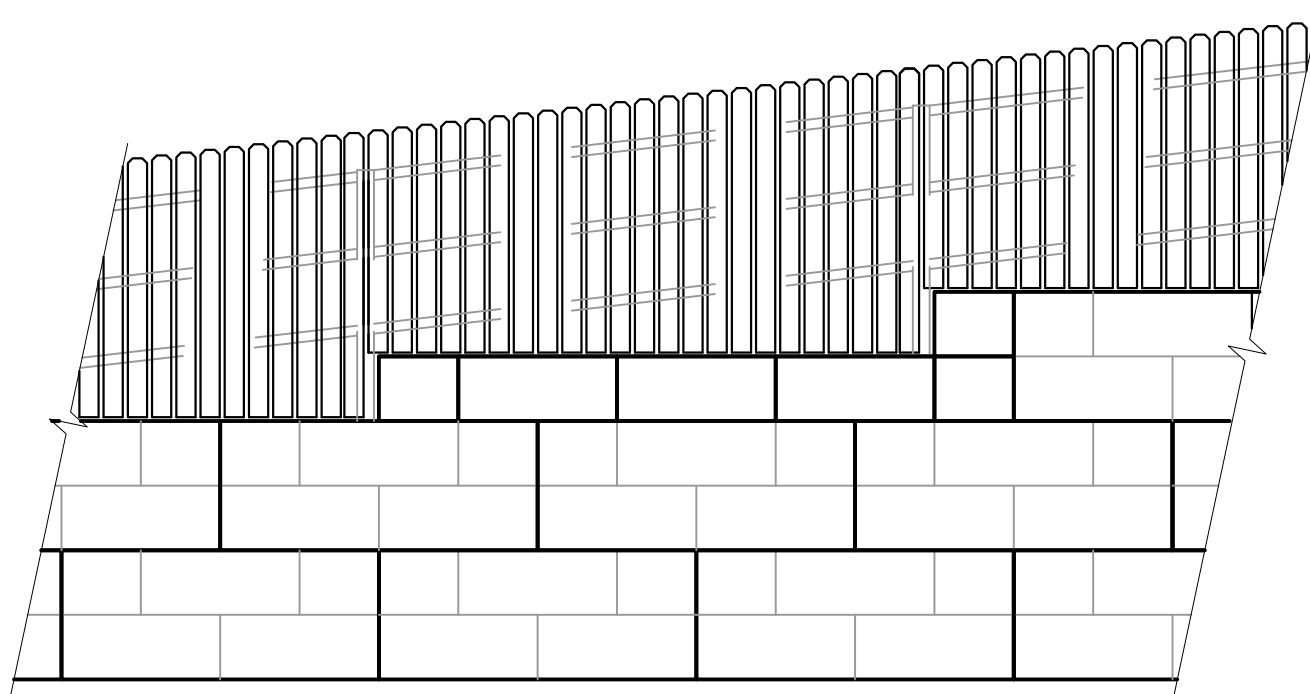


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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 | FILE: 34_FenceConfig.Type



OPTIONAL FENCE CONFIGURATION

NOT TO SCALE

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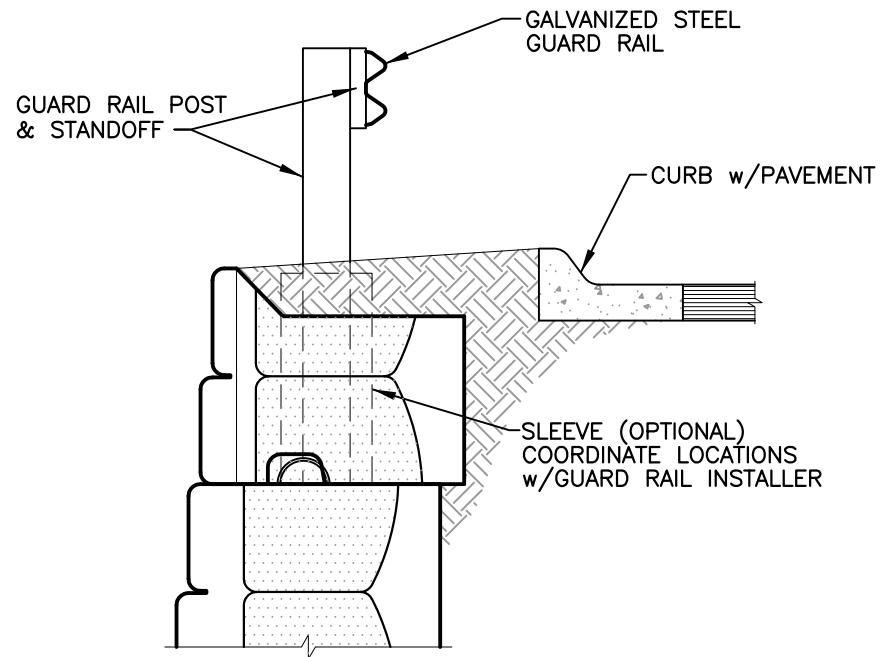


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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 FILE: 35_FenceConfig.Opt



WALL w/GUARD RAIL
NOT TO SCALE

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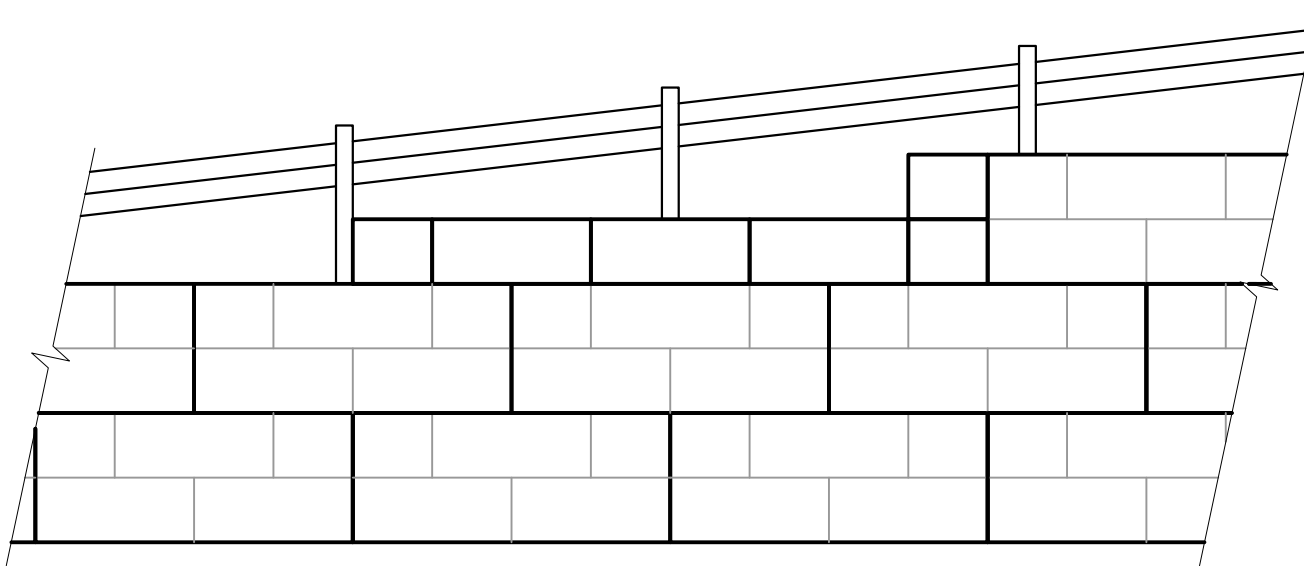


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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 | FILE: 36_Guard Rail



TYPICAL GUARDRAIL CONFIGURATION

NOT TO SCALE

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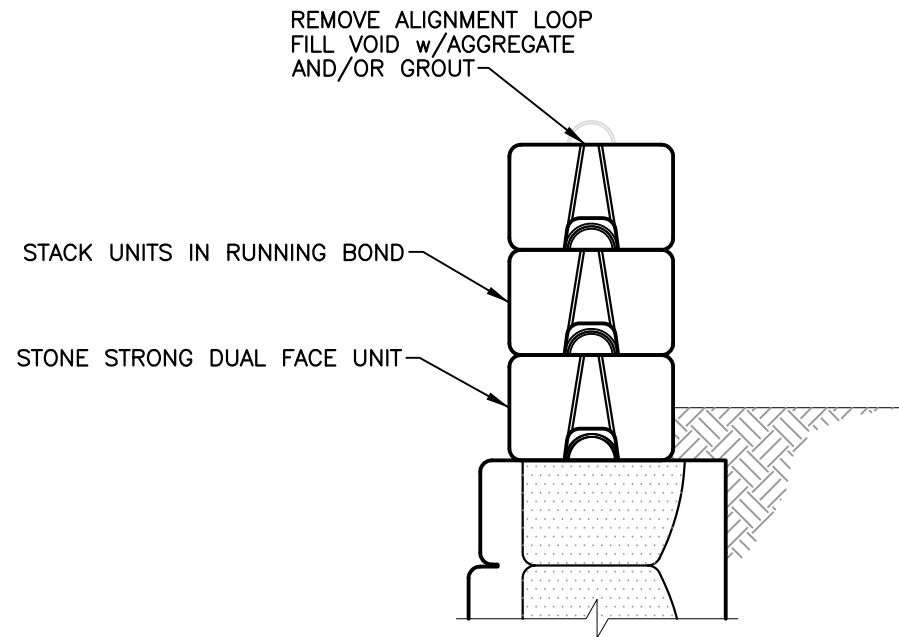
PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 FILE: 37_Guard Rail.Config

NOTE:

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



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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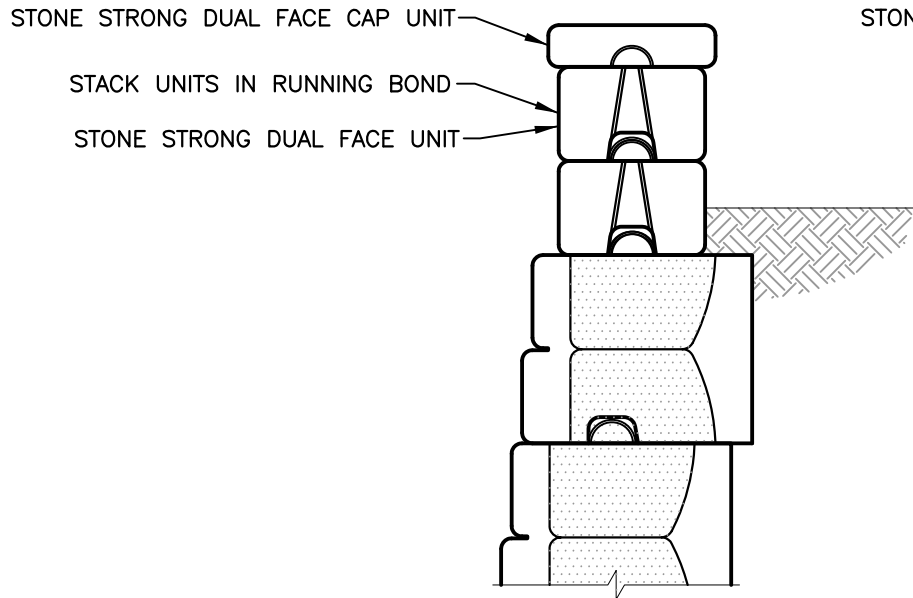
PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

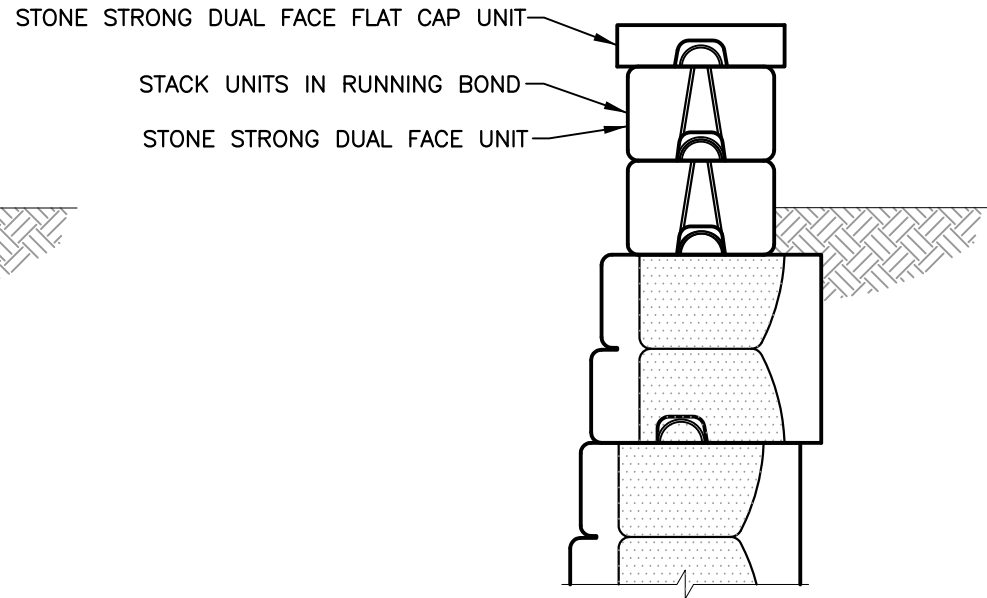
DATE: 6/29/18 | FILE: 38_DF.Parapet

NOTE:

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



DUAL FACE PARAPET
WALL w/CAP
NOT TO SCALE



DUAL FACE PARAPET
WALL w/FLAT CAP
NOT TO SCALE

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

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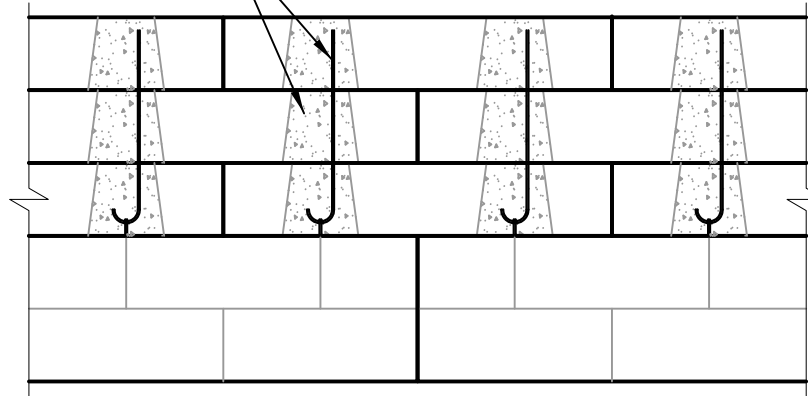
TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 | FILE: 39_DF.Parapet.Cap

NOTE:

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REINFORCE & GROUT VOIDS TO INCREASE
PARAPET STRENGTH PER SPECIFIC APPLICATION



OPTIONAL PARAPET REINFORCEMENT

NOT TO SCALE

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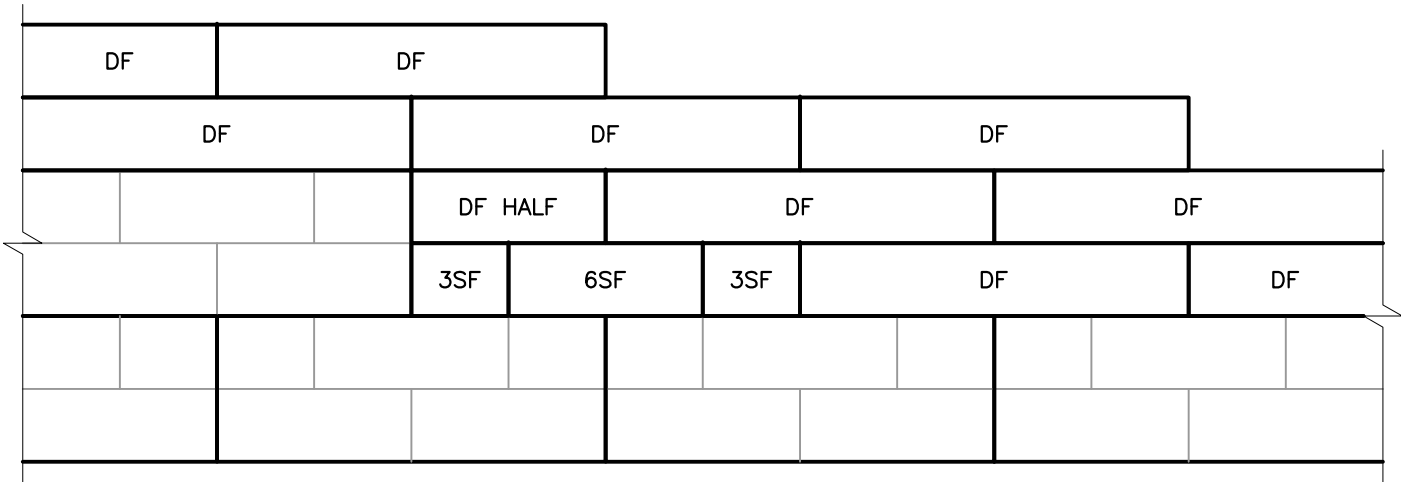
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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 FILE: 40_DF.Parapet.Reinforce

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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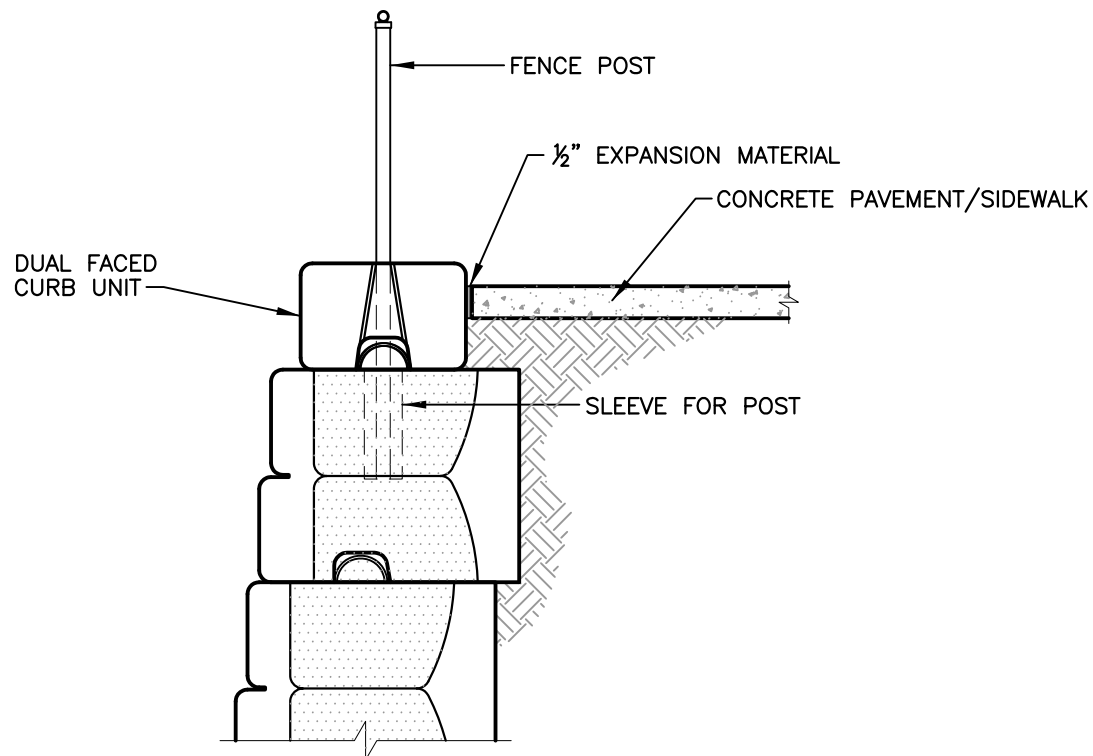
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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18

FILE: 41_DF.Parapet.Step



DUAL FACE CURB w/SIDEWALK

NOT TO SCALE

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

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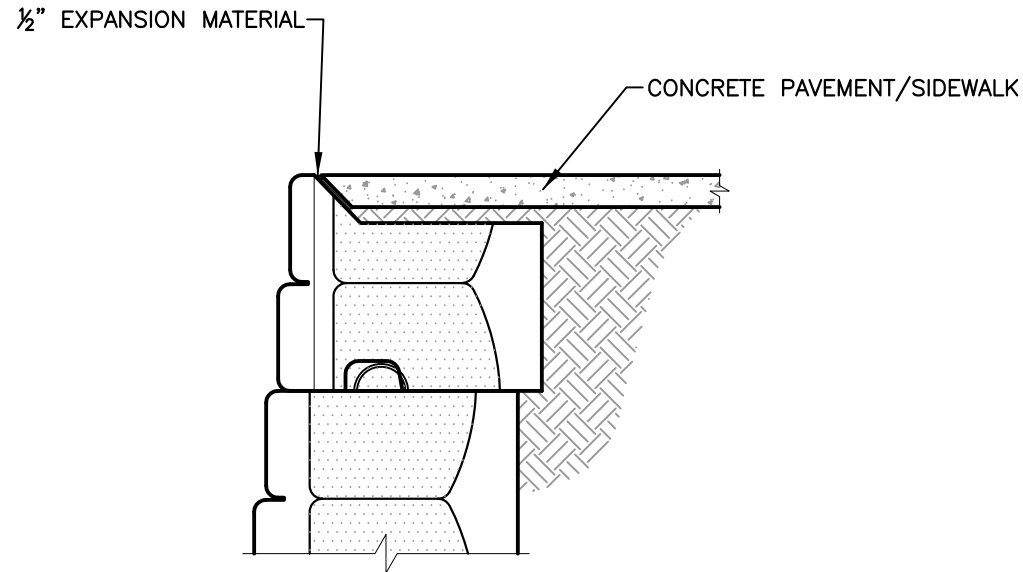
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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 | FILE: 42_DF.Sidewalk

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



TOP OF WALL w/SIDEWALK
NOT TO SCALE

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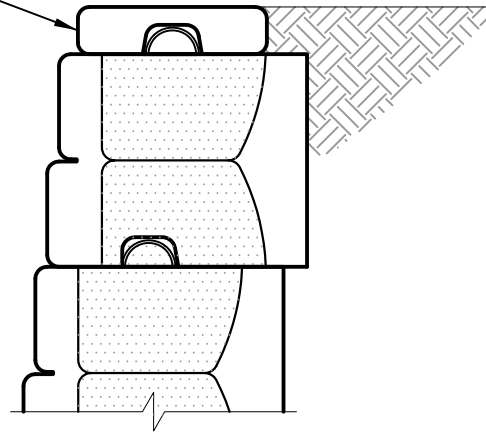
TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 FILE: 43_24sf.Sidewalk

NOTE:

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

STONE STRONG DUAL FACE CAP UNIT



STONE STRONG CAP UNIT

NOT TO SCALE

CHECK ON AVAILABILITY OF ALL UNITS w/ LOCAL PRODUCER/
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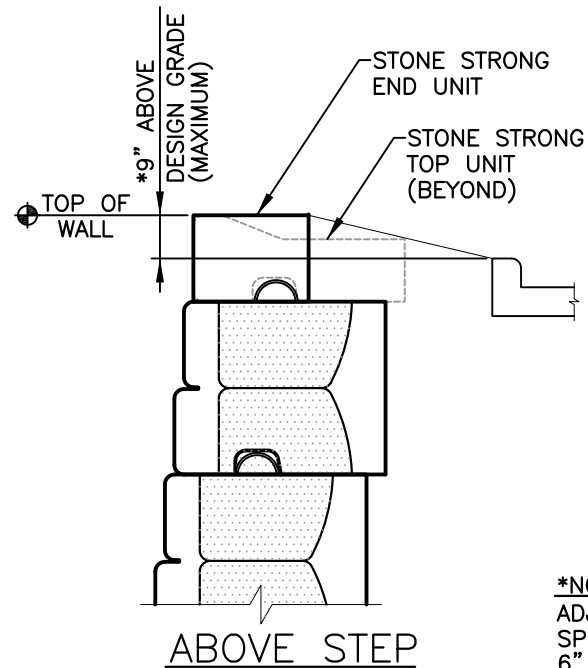
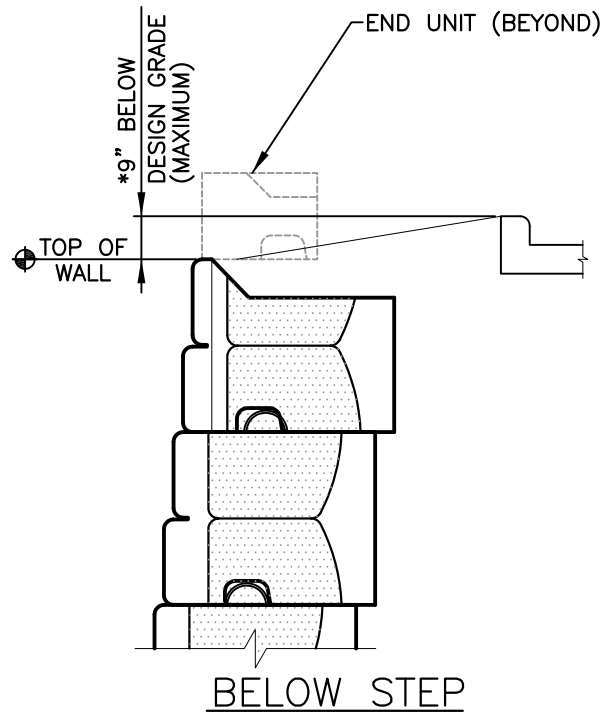


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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 | FILE: 44_24sf.Cap.XSec



***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.

TOP OF WALL TREATMENT AT 18" WALL STEPS

NOT TO SCALE

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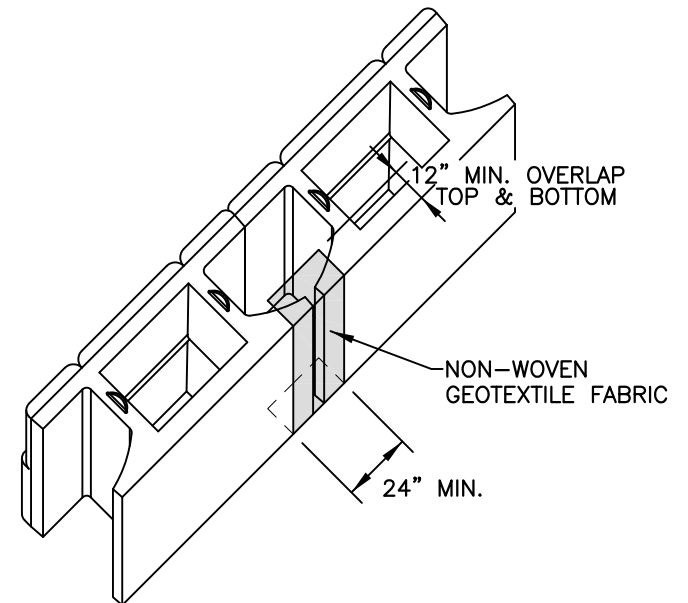
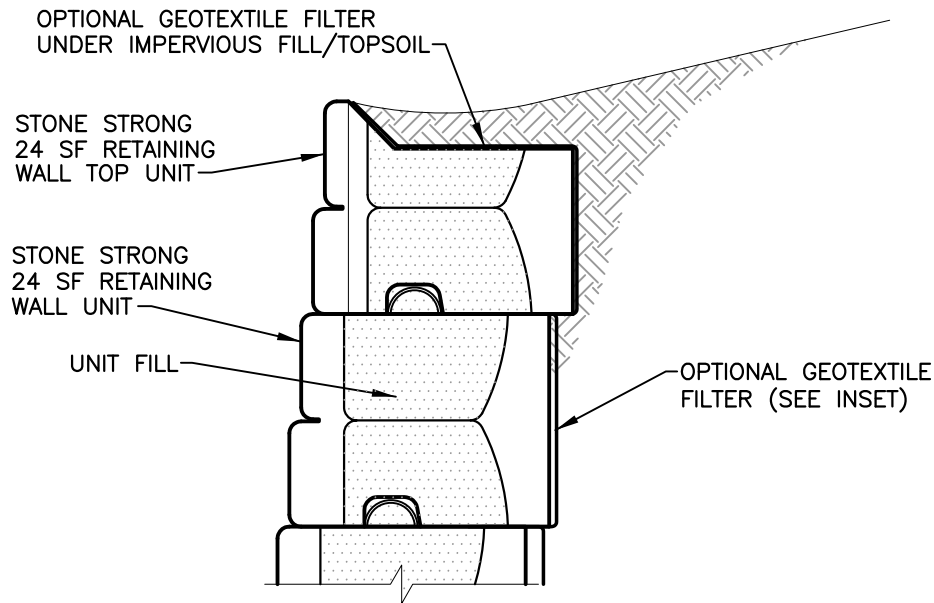


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PROJECT

TYPICAL DETAILS
 STONE STRONG SYSTEMS

DATE: 6/29/18 | FILE: 45_24sf.GradeSplit



OPTIONAL GEOTEXTILE FILTER

NOT TO SCALE

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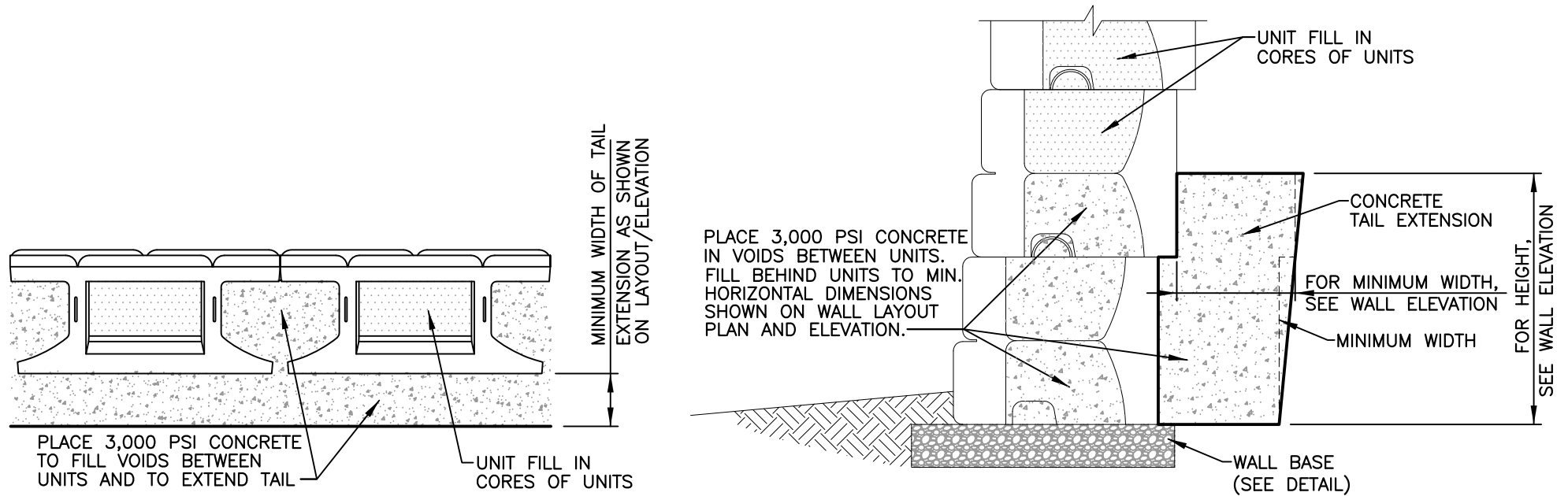
PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 FILE: 46_24sf.XSec.Filter

NOTE:

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



24SF CONCRETE TAIL EXTENSION DETAIL (CAST-IN-PLACE)

NOT TO SCALE

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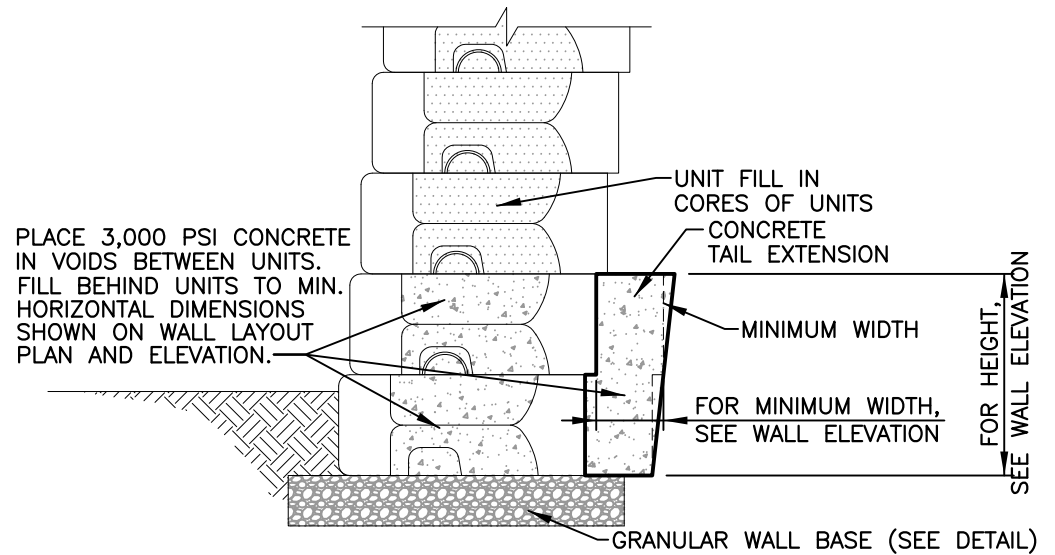
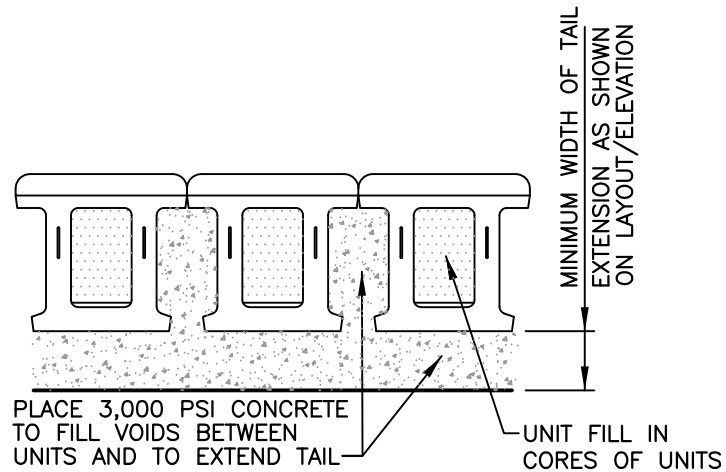
PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 FILE: 47_24sf.TailExt.CIP

NOTE:

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



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

NOT TO SCALE

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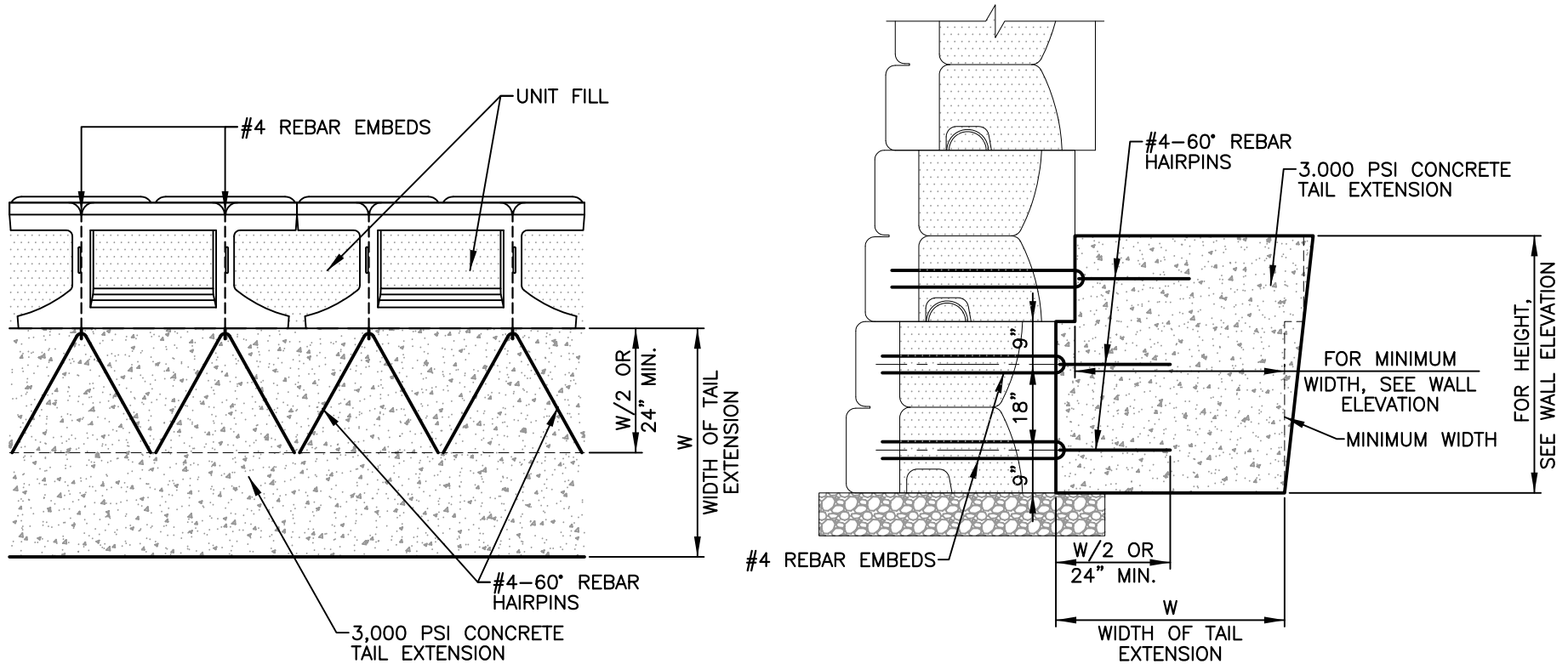
PROJECT

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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PROJECT

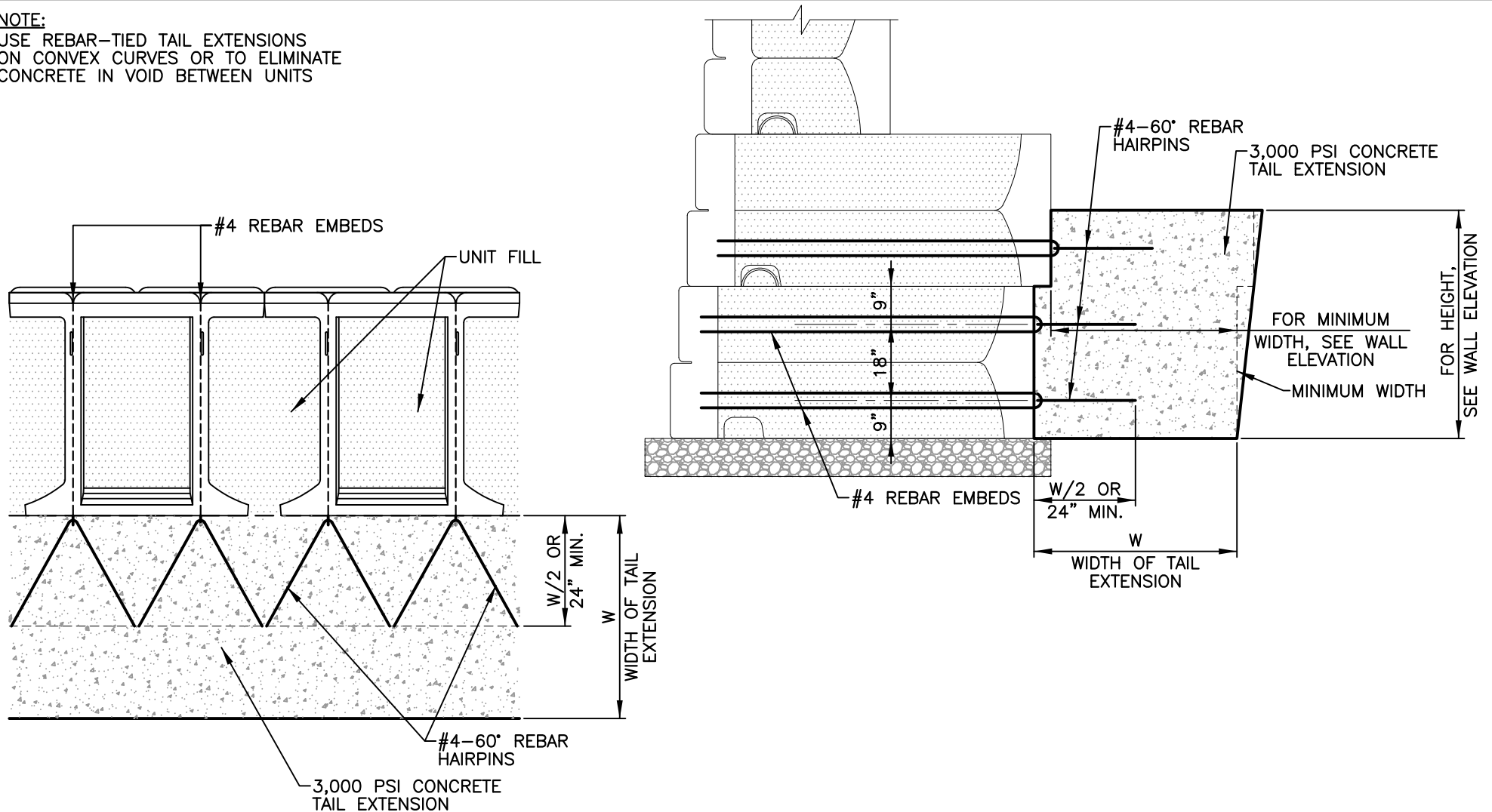
TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18

FILE: 49_24 SF TailExt.RebarTied

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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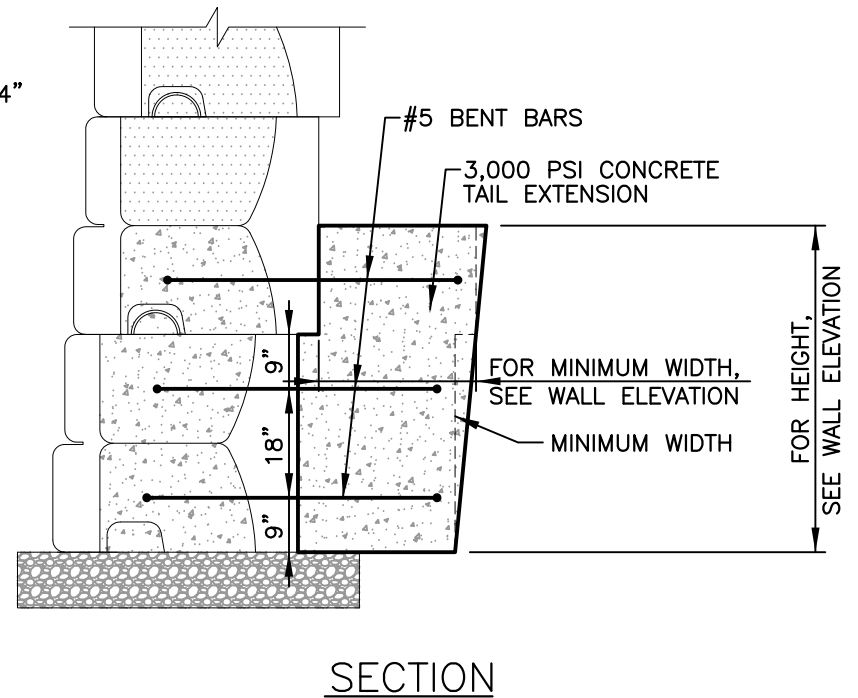
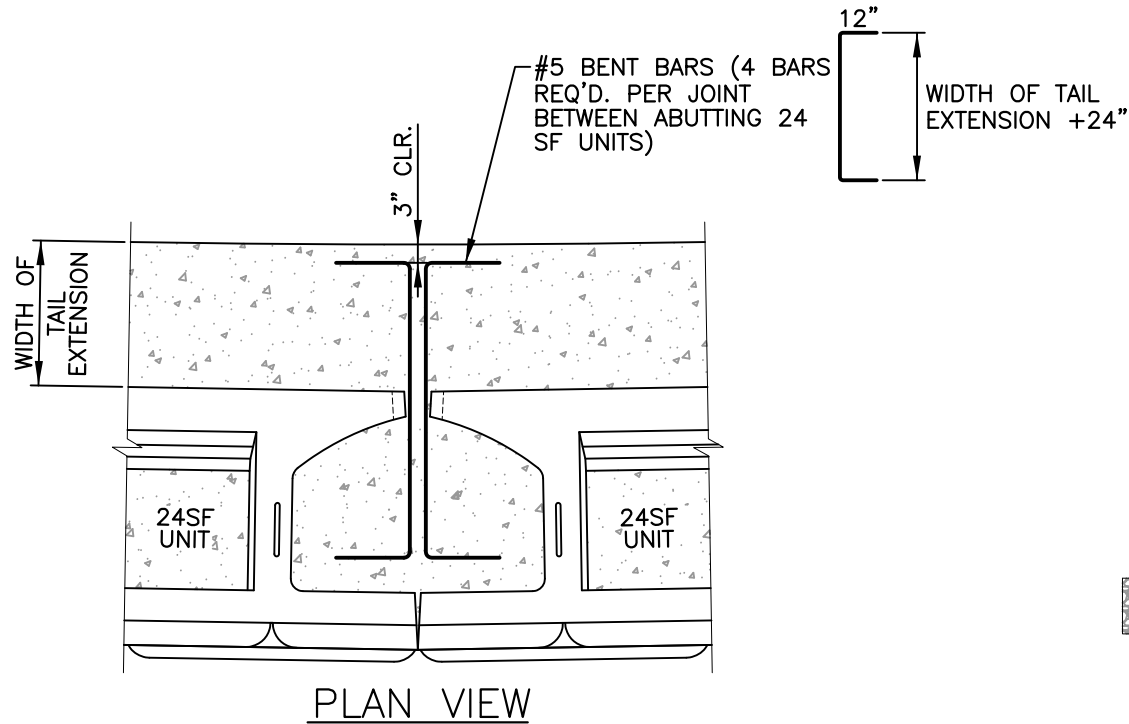
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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 | FILE: 50_24-86 TailExt.RebarTied

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



REINFORCED CONNECTION FOR 24SF UNITS

NOT TO SCALE

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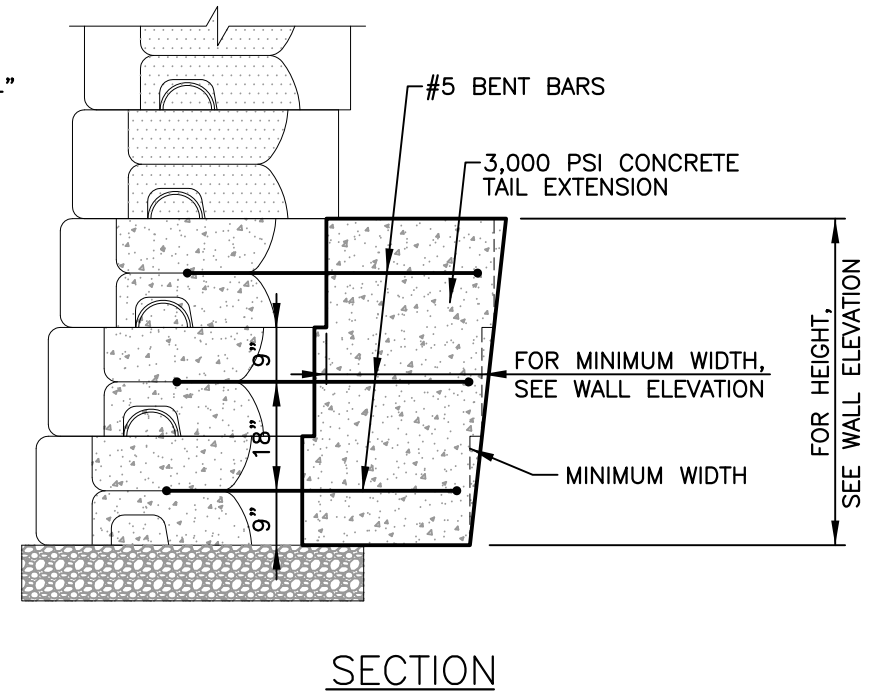
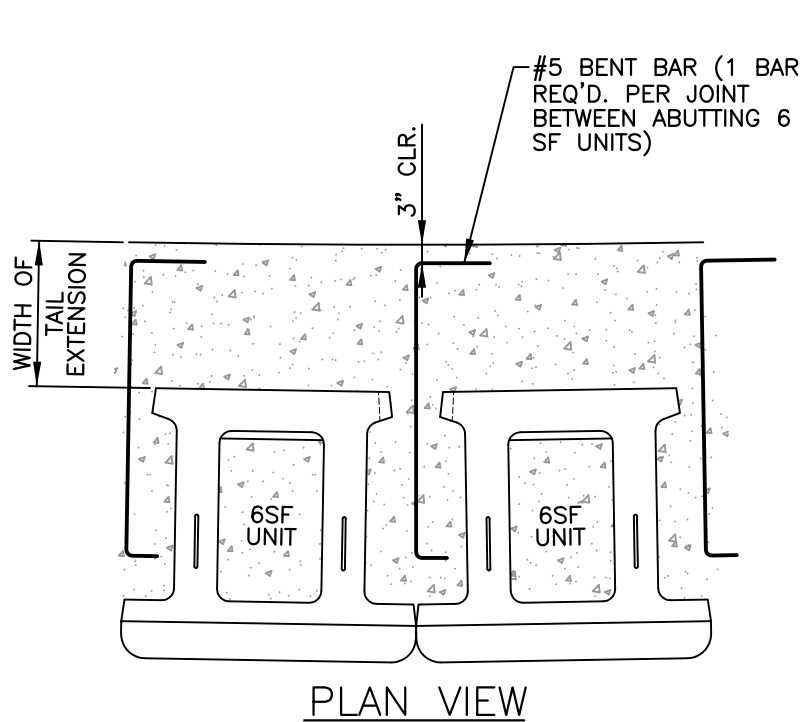
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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 FILE: 51_24sf TailExtConnect

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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PROJECT

TYPICAL DETAILS
STONE STRONG SYSTEMS

DATE: 6/29/18 FILE: 52_6sf TailExtConnect