

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 SF WALL BASE

NOT TO SCALE

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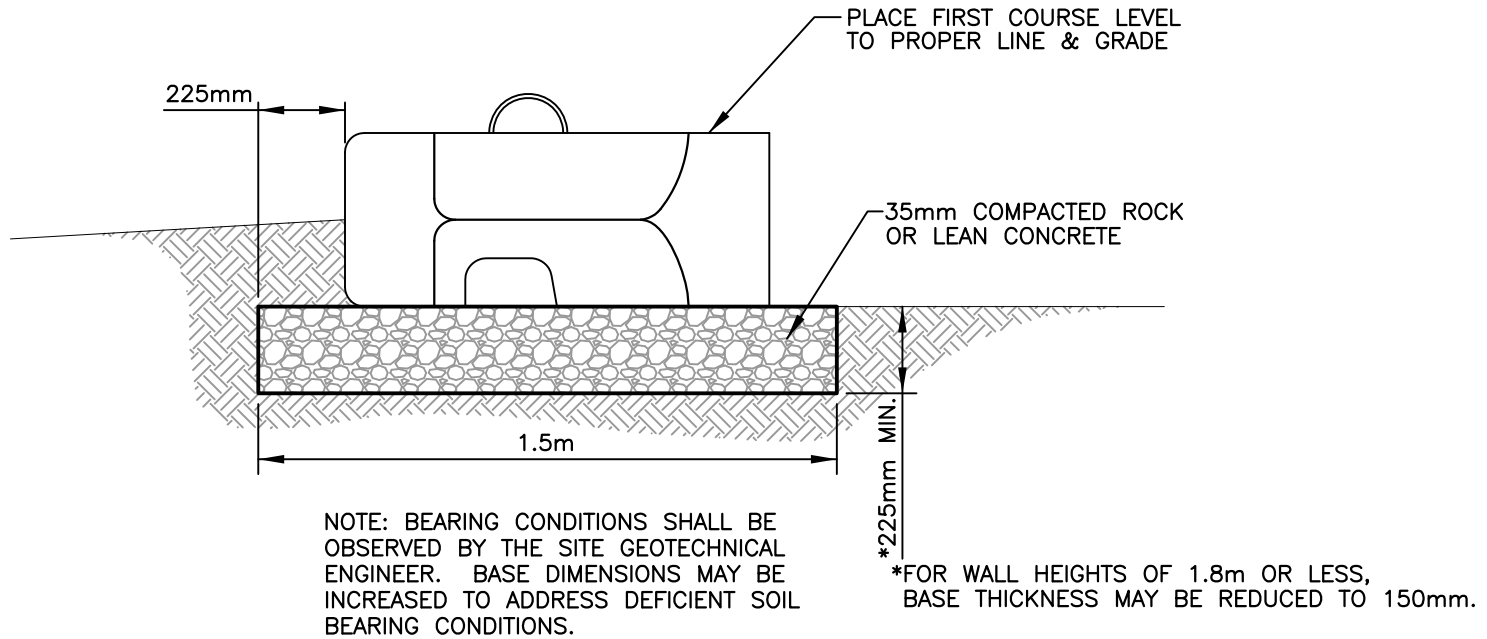
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PROJECT

TYPICAL DETAILS  
STONE STRONG SYSTEMS

DATE: 1/19/12 | FILE: 01\_24sf.Base



## 6 SF WALL BASE

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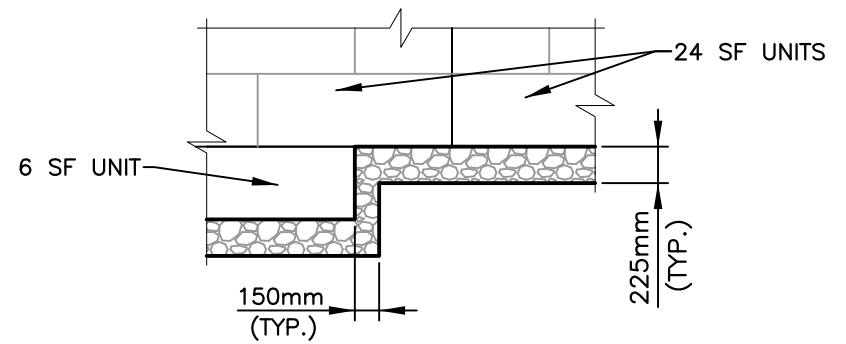
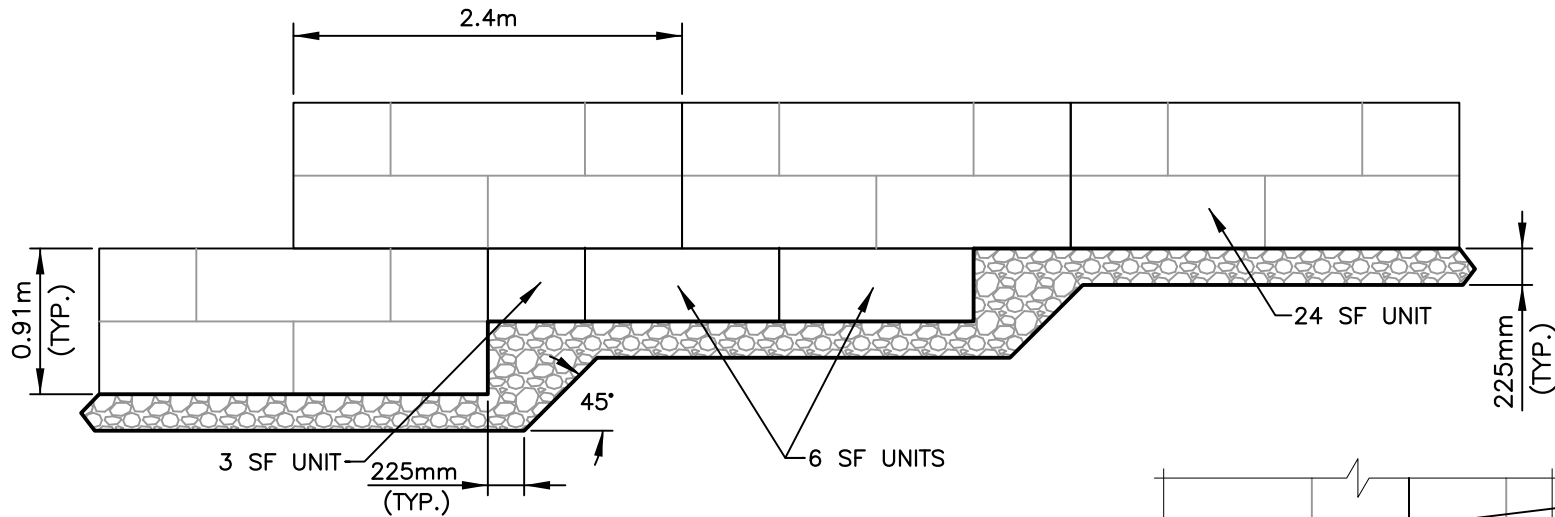
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TYPICAL DETAILS  
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DATE: 1/19/12 | FILE: 02\_6sf.Base



OPTIONAL  
STEP CONFIGURATION

## 24 SF WALL BASE STEP

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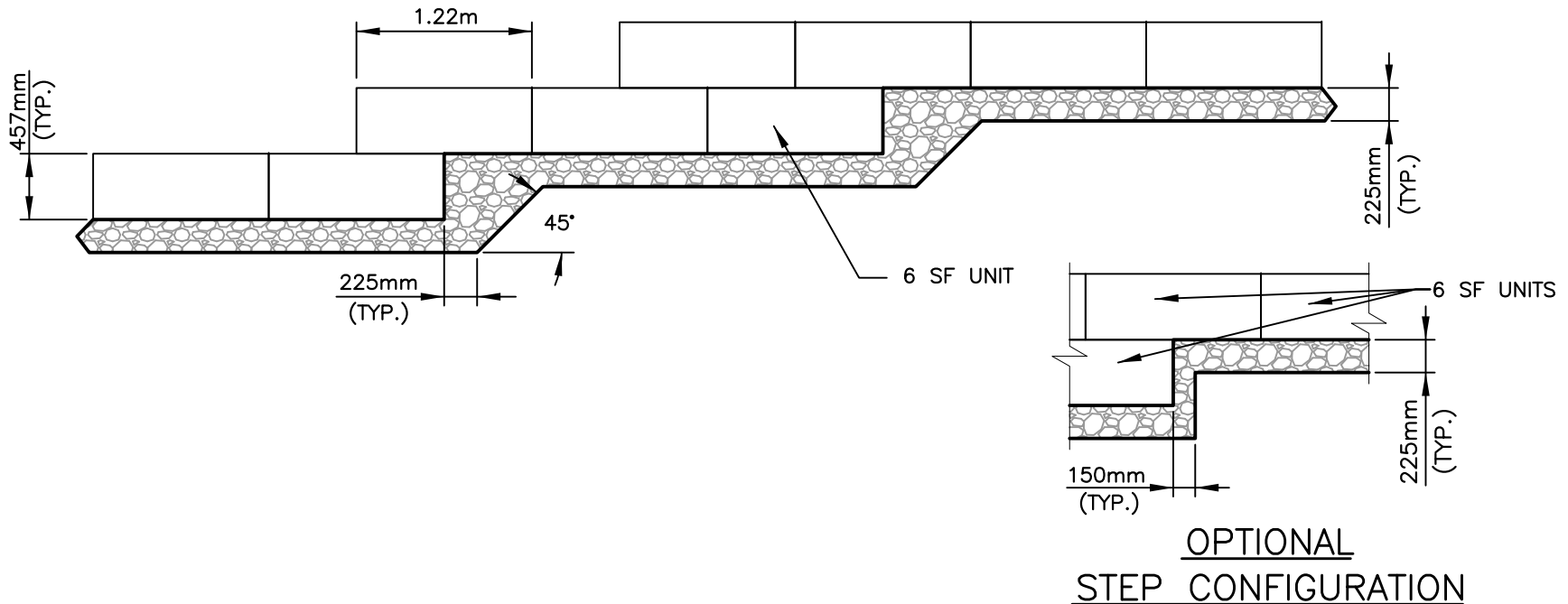
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DATE: 1/19/12 | FILE: 03\_24sf.BaseStep



## 6 SF WALL BASE STEP

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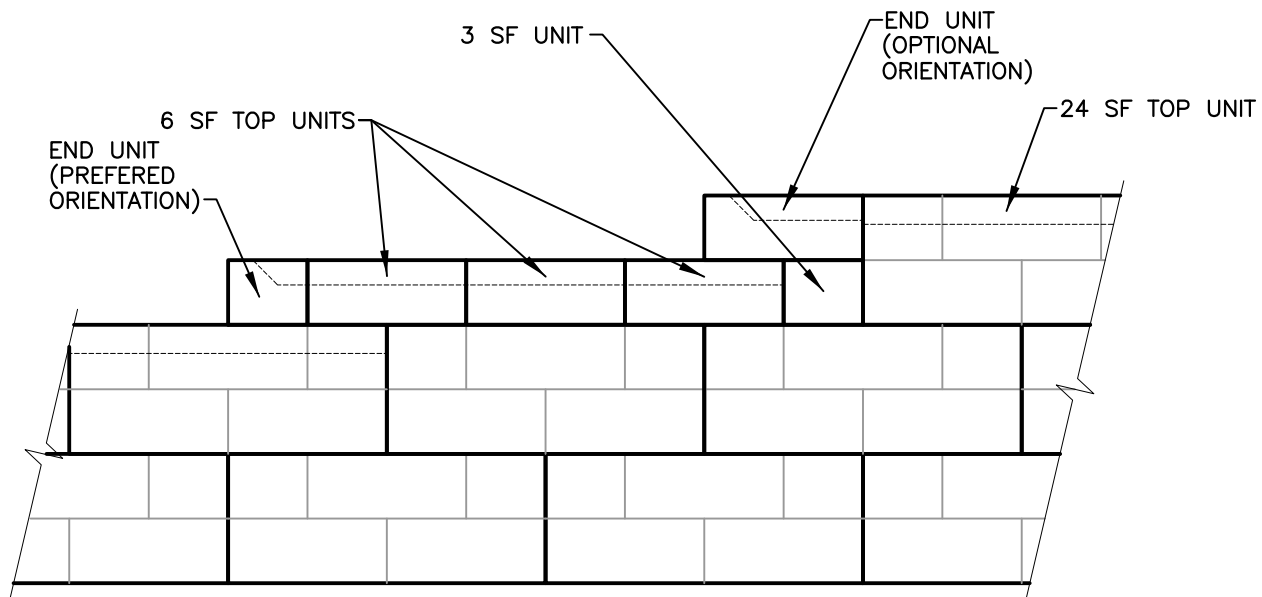
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## TOP OF WALL STEPS

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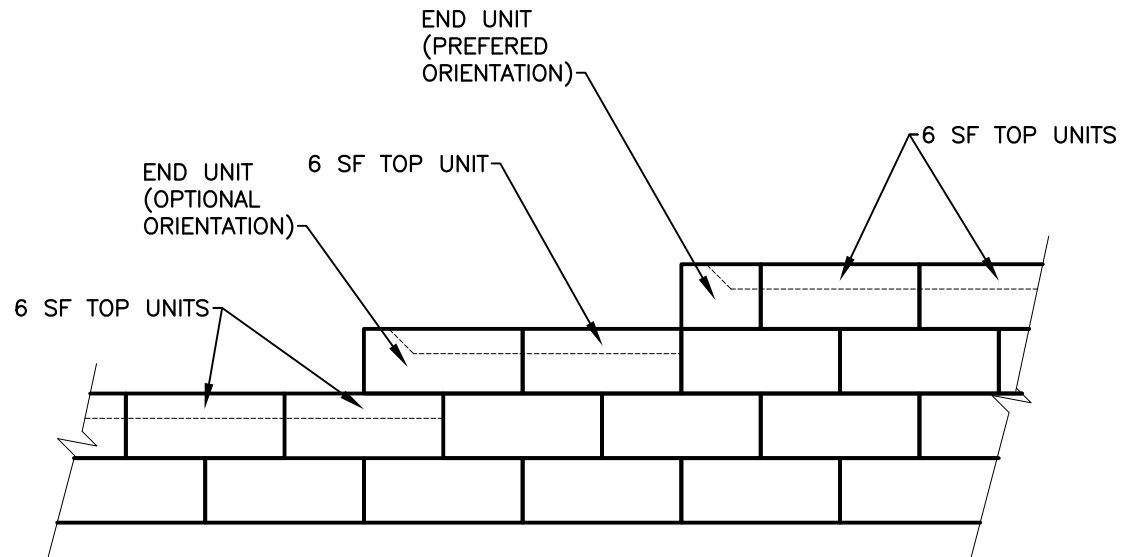
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TYPICAL DETAILS  
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DATE: 1/19/12 | FILE: 05\_24sf.TopStep



## TOP OF WALL STEPS

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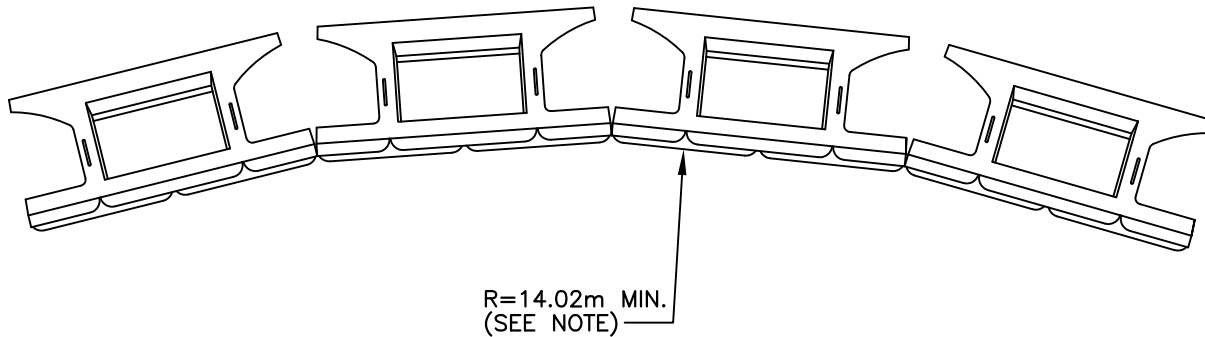
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TYPICAL DETAILS  
STONE STRONG SYSTEMS

DATE: 1/19/12 | FILE: 06\_6sf.TopStep



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

Minimum Concave Radius		
Wall Height (m)	Total # of Courses	Reqd. Radius at Top Course
1.83	2	14.12m
2.74	3	14.22m
3.66	4	14.33m
4.57	5	14.43m
5.49	6	14.53m
6.40	7	14.63m
7.32	8	14.73m

## MINIMUM CONCAVE RADIUS—24 SF UNITS

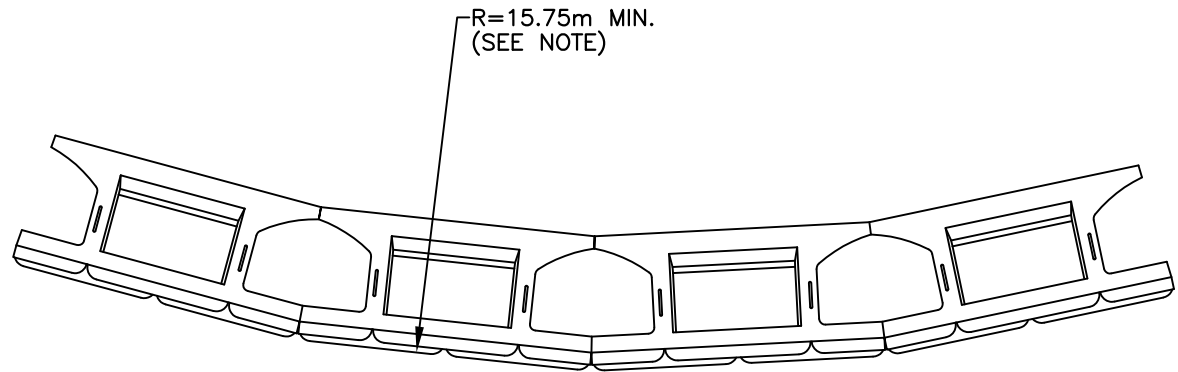
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	PROJECT
	TYPICAL DETAILS STONE STRONG SYSTEMS
DATE: 1/19/12   FILE: 07_24sf.RadMin.Concave	



Minimum Convex Radius		
Wall Height (m)	Total # of Courses	Reqd. Radius at First Course
1.83	2	15.85m
2.74	3	15.95m
3.66	4	16.05m
4.57	5	16.15m
5.49	6	16.26m
6.40	7	16.36m
7.32	8	16.46m

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

## MINIMUM CONVEX RADIUS—24 SF UNITS

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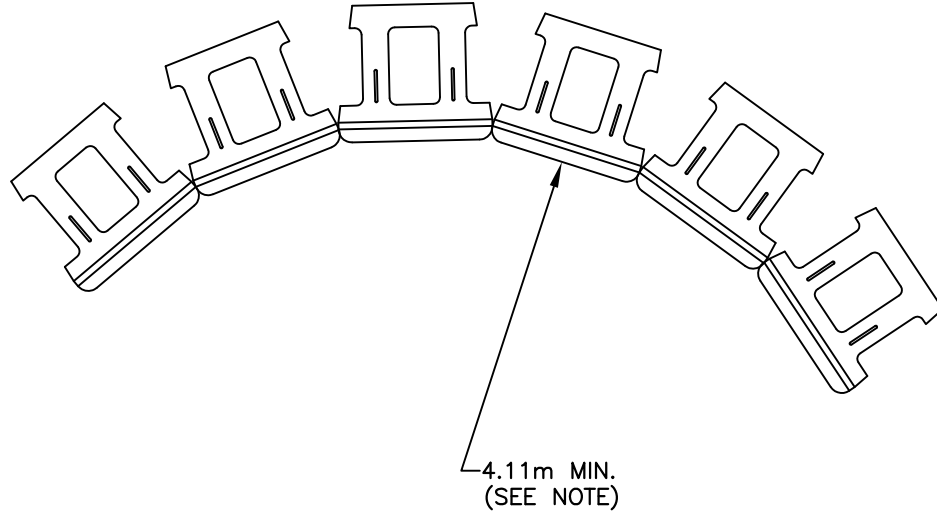
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PROJECT

TYPICAL DETAILS  
 STONE STRONG SYSTEMS

DATE: 1/19/12 | FILE: 08\_24sf.RadMin.Convex



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—6 SF UNITS

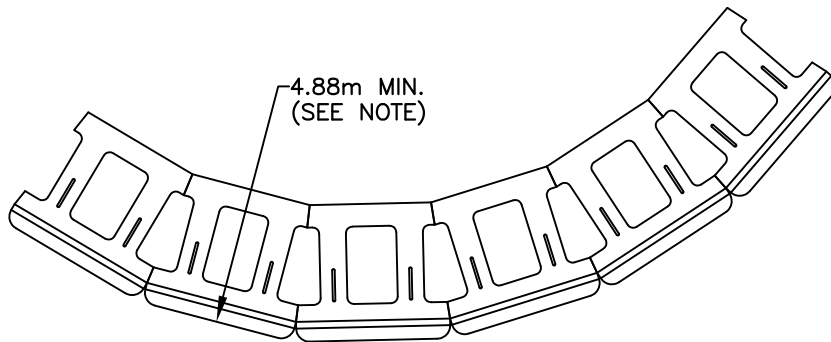
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	PROJECT
	TYPICAL DETAILS STONE STRONG SYSTEMS
	DATE: 1/19/12   FILE: 09_6sf.RadMin.Concave



Minimum Convex Radius		
Wall Height (m)	Total # of Courses	Reqd. Radius at First Course
0.91	2	4.93m
1.37	3	4.98m
1.83	4	5.03m
2.29	5	5.08m
2.74	6	5.13m
3.20	7	5.18m
3.66	8	5.23m

**NOTE:**

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

**MINIMUM CONVEX RADIUS—6 SF UNITS**

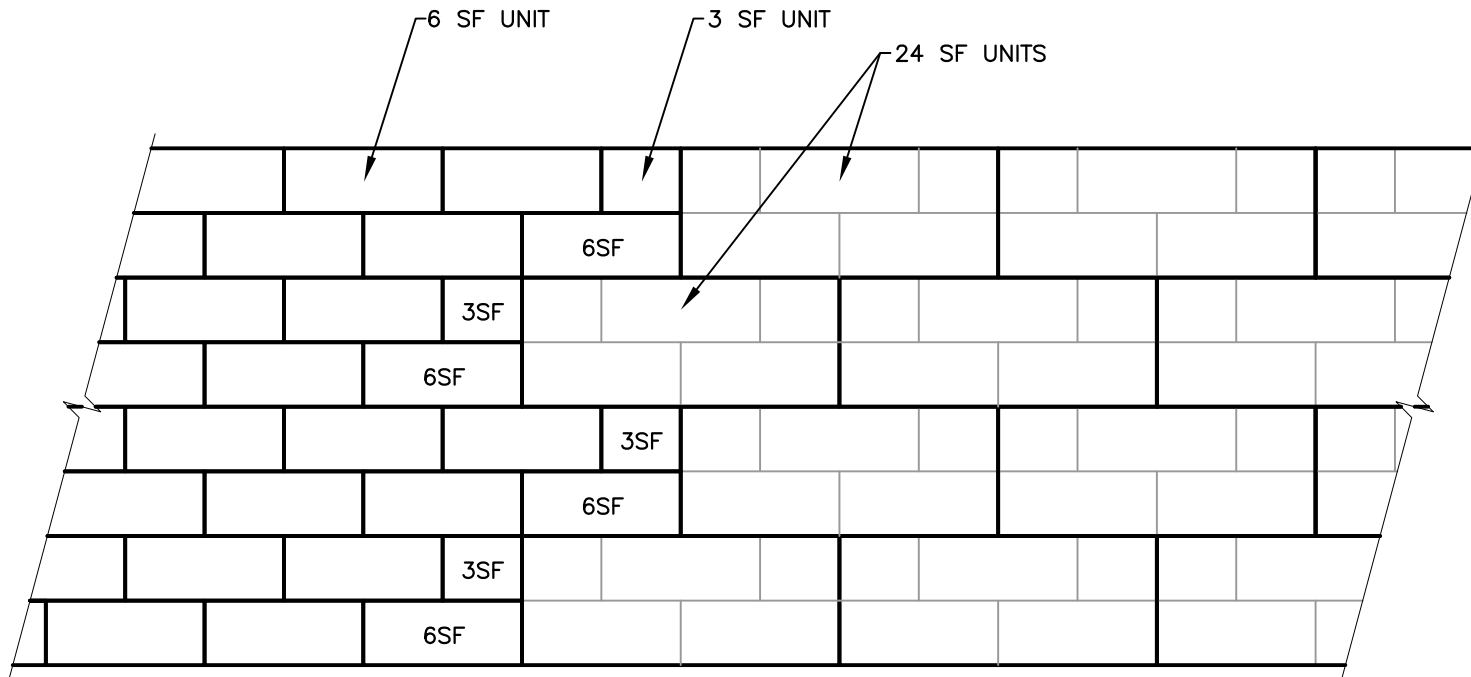
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	TYPICAL DETAILS STONE STRONG SYSTEMS
	DATE: 1/19/12   FILE: 10_6sf.RadMin.Convex



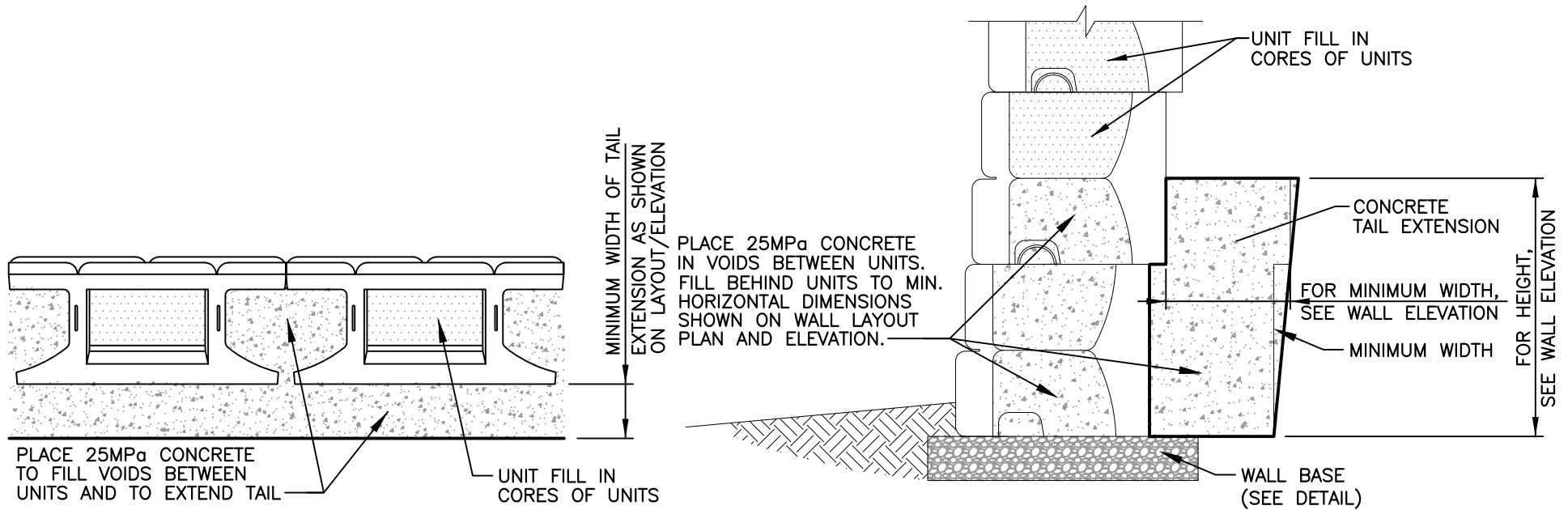
TRANSITION 24 SF TO 6 SF  
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	TYPICAL DETAILS STONE STRONG SYSTEMS
DATE: 1/19/12   FILE: 11_24sf-6sf.Transition	



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

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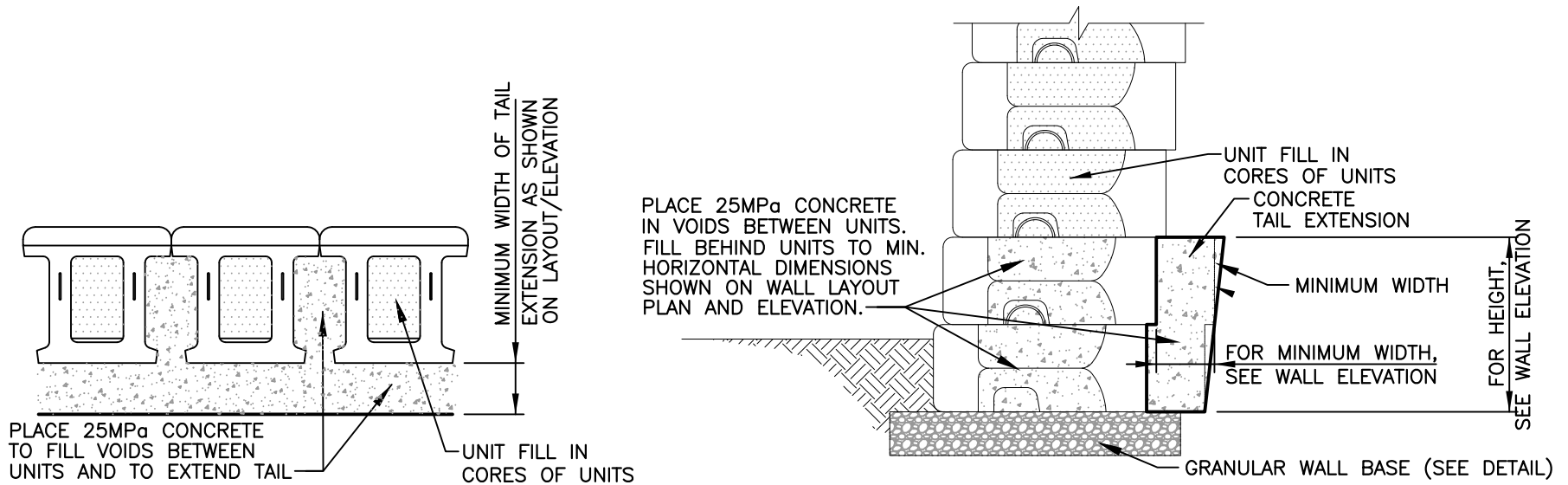
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DATE: 1/19/12 | FILE: 12\_24sf.TailExt.CIP




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

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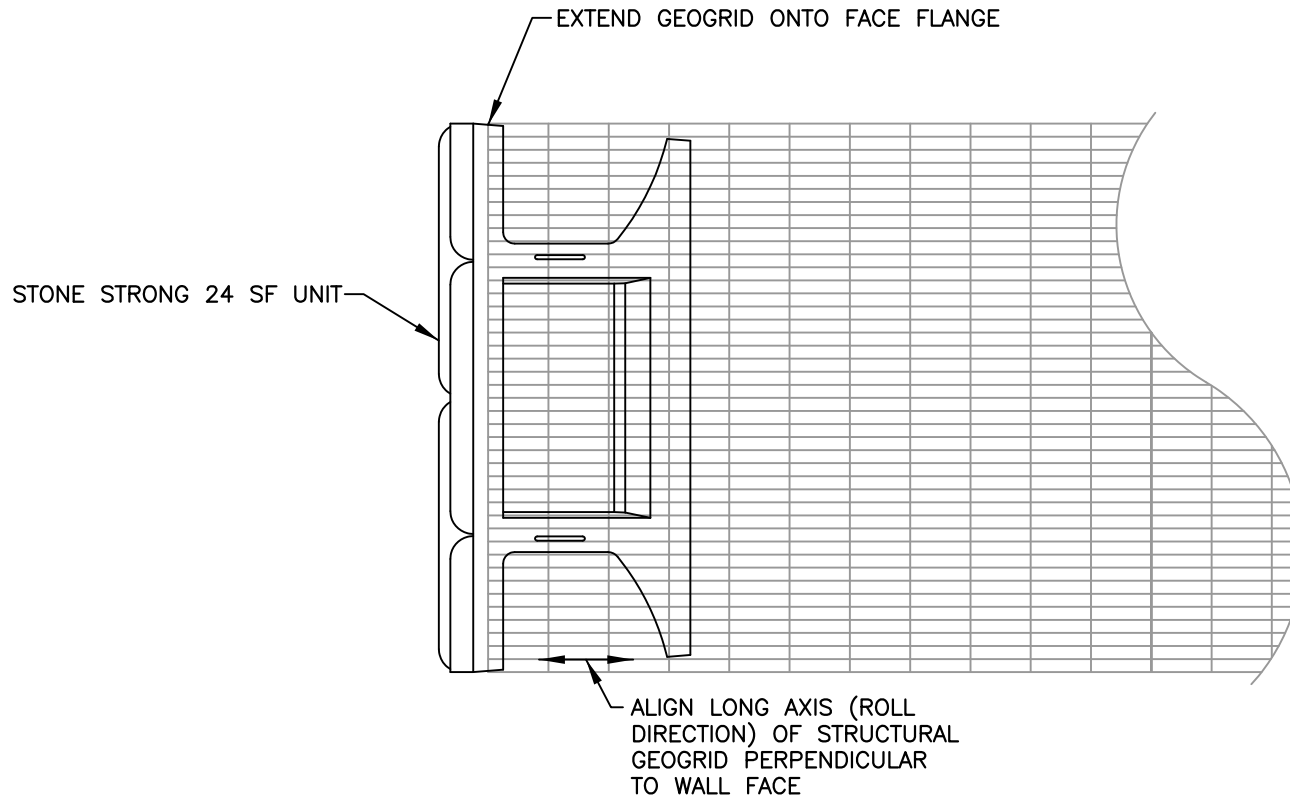
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	PROJECT
	TYPICAL DETAILS STONE STRONG SYSTEMS
DATE: 1/19/12   FILE: 13_6sf.TailExt.CIP	

**NOTE:**

USE REINFORCED 24 SF UNITS BELOW TOP 3.66m IN GEOGRID REINFORCED WALLS.  
SEE FACE AND WEB MESH DETAILS FOR OPTIONAL REINFORCEMENT GRID.



## 24 SF GEOGRID ORIENTATION

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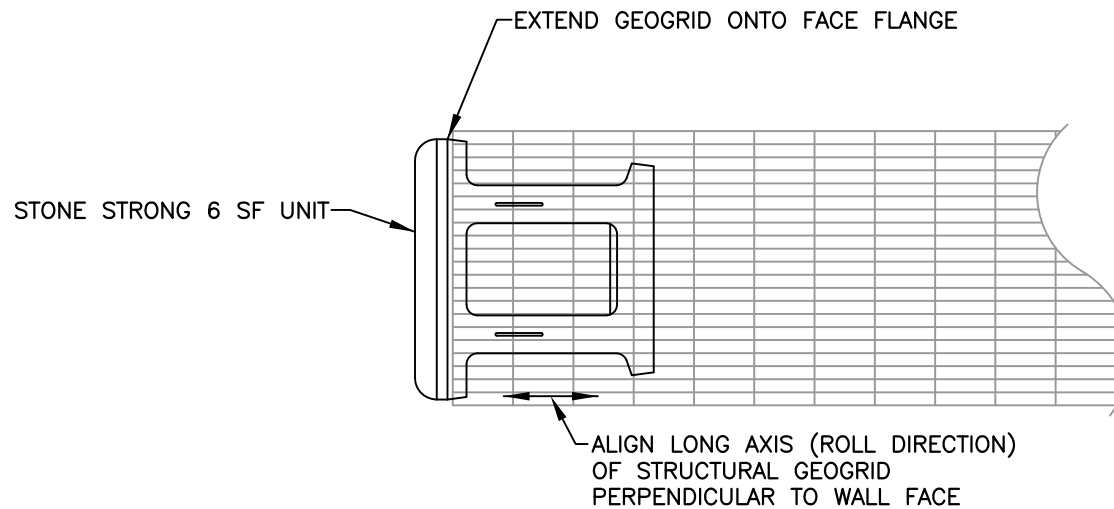
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## 6 SF GEOGRID ORIENTATION

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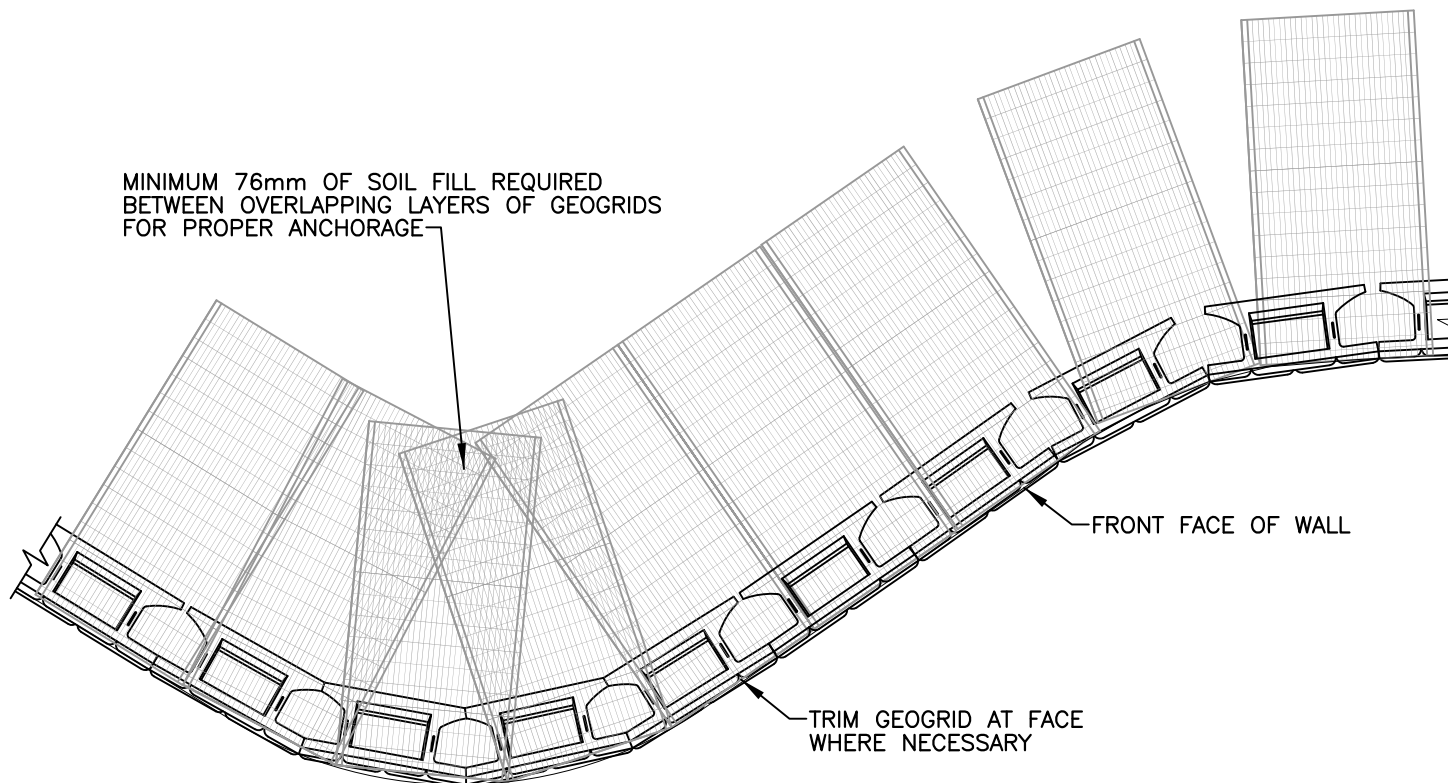
PROJECT

TYPICAL DETAILS  
STONE STRONG SYSTEMS

DATE: 1/19/12 | FILE: 15\_6sf.GridOrient

**NOTE:**

USE REINFORCED 24 SF UNITS BELOW TOP 3.66m IN GEOGRID REINFORCED WALLS.  
SEE FACE AND WEB MESH DETAILS FOR OPTIONAL REINFORCEMENT GRID.



## 24 SF GEOGRID PLACEMENT ON CURVES

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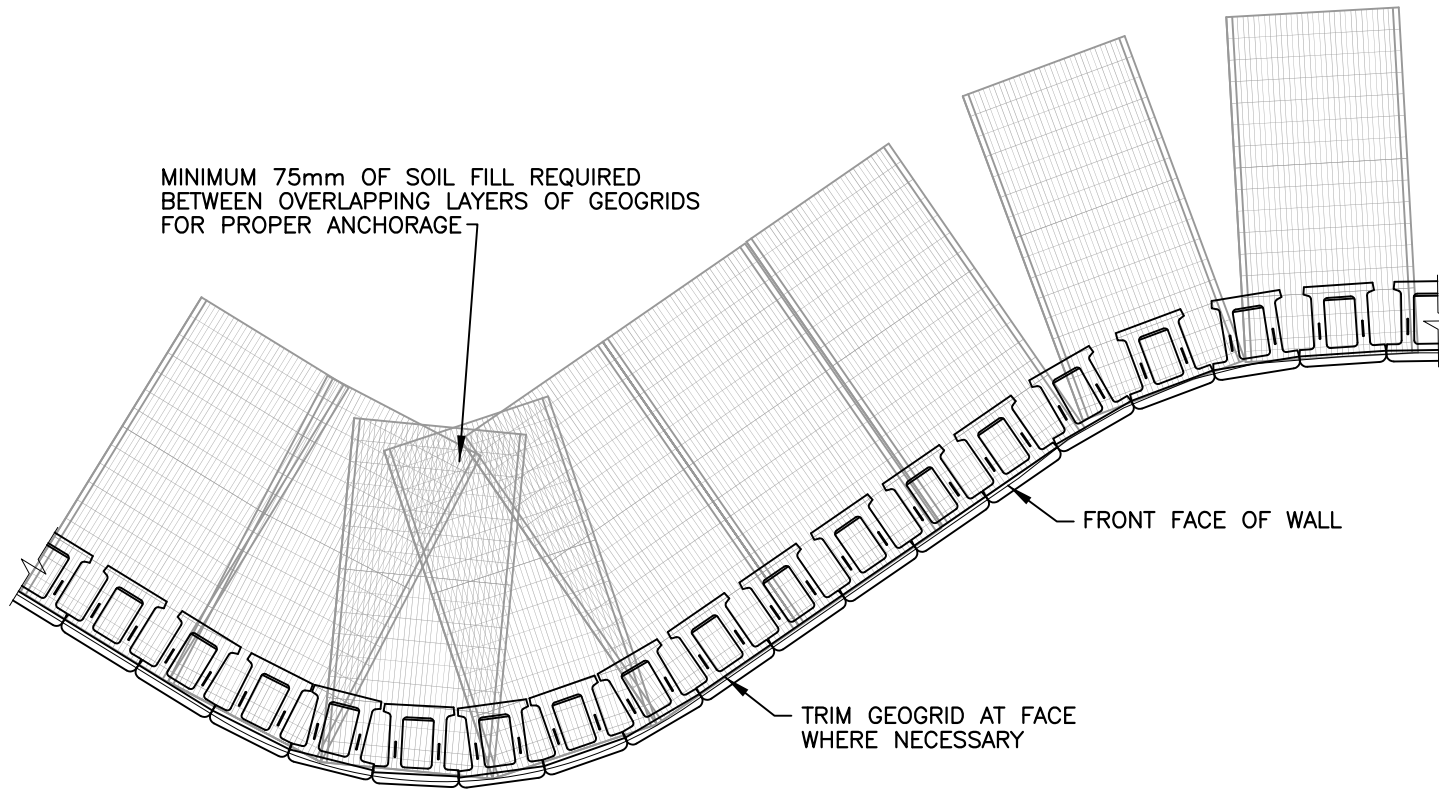
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TYPICAL DETAILS  
STONE STRONG SYSTEMS

DATE: 1/19/12 | FILE: 16\_24sf.Grid.Curves




## 6 SF GEOGRID PLACEMENT ON CURVES

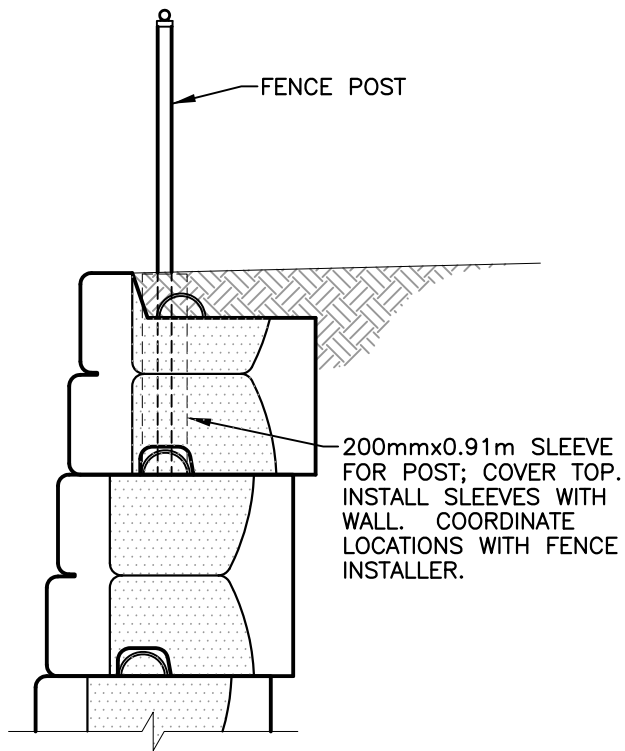
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**24 SF FENCE SLEEVE**  
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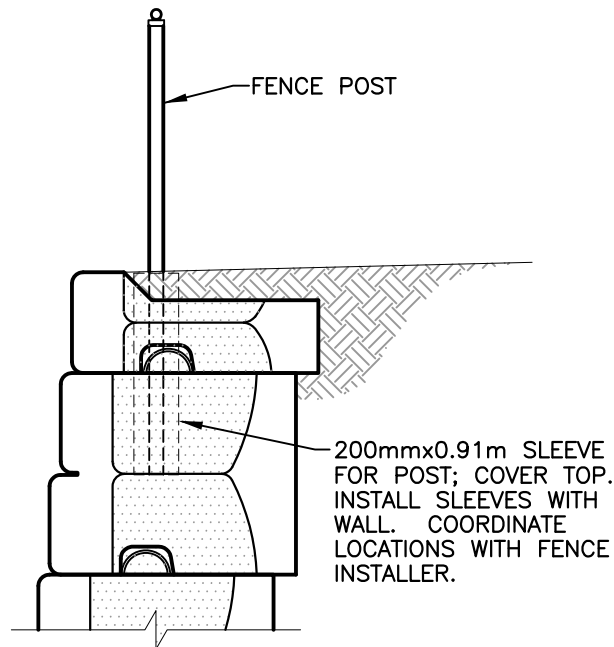
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DATE: 1/19/12 | FILE: 18\_24sf.FenceSleeve



**6 SF FENCE SLEEVE**  
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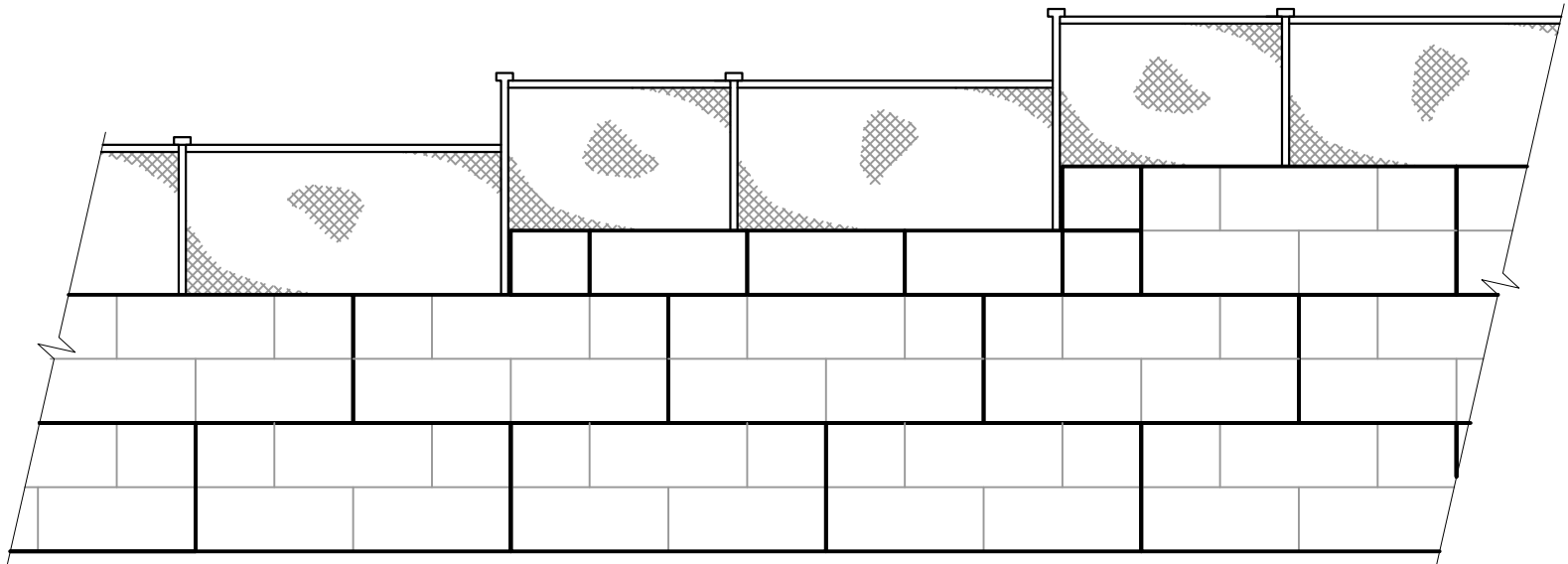
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TYPICAL DETAILS  
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TYPICAL FENCE CONFIGURATION  
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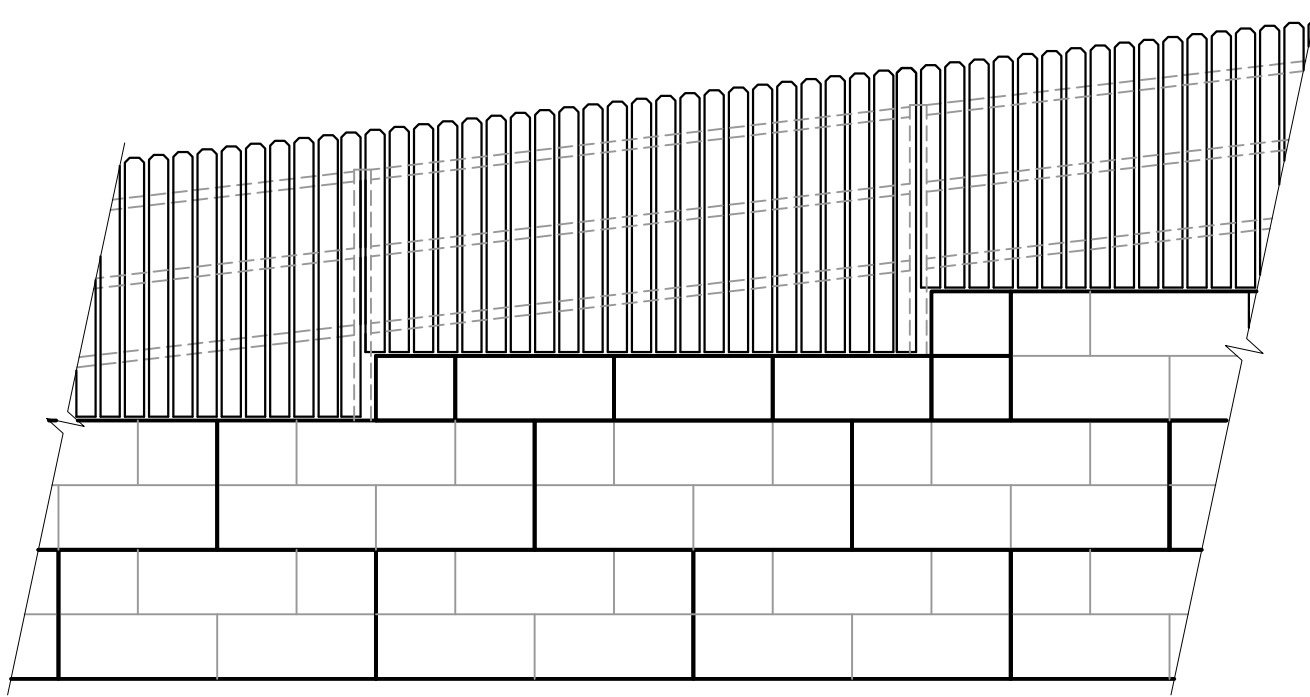
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OPTIONAL FENCE CONFIGURATION  
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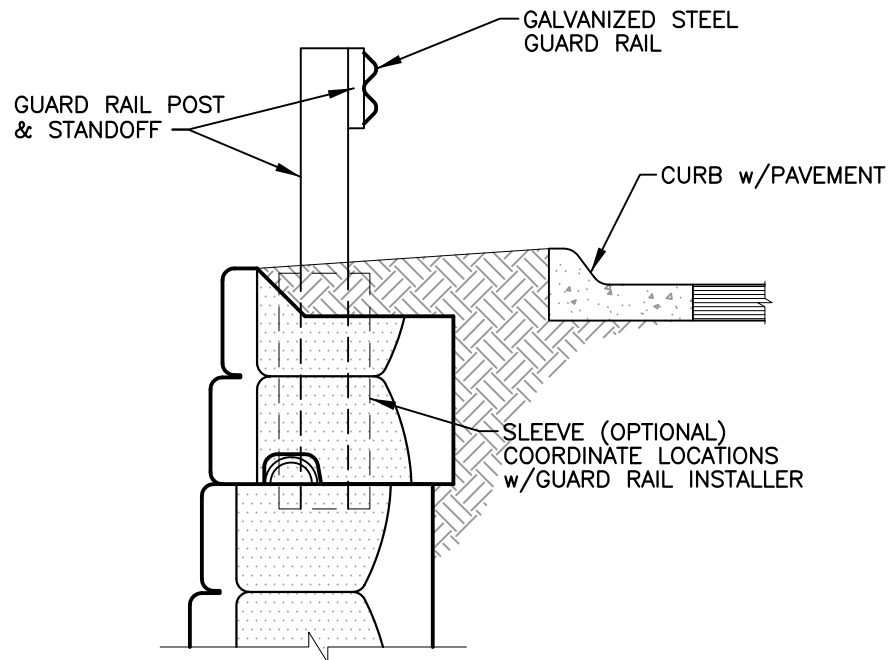
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**WALL w/GUARD RAIL**  
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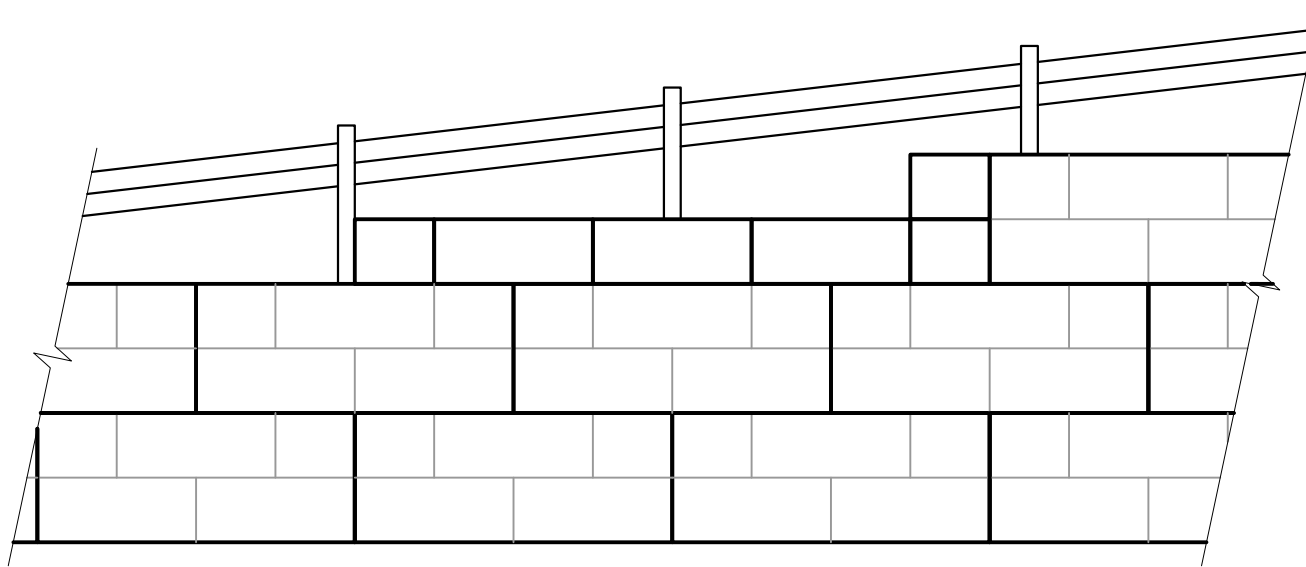
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PROJECT

TYPICAL DETAILS  
STONE STRONG SYSTEMS

DATE: 1/19/12 | FILE: 22\_GuardRail




TYPICAL GUARDRAIL CONFIGURATION  
NOT TO SCALE

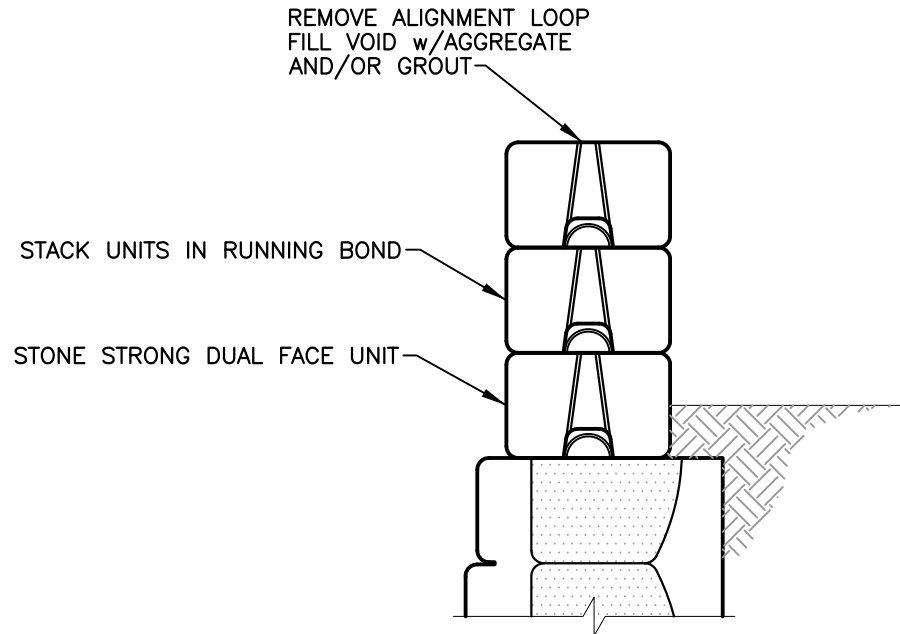
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	<p>DATE: 1/19/12   FILE: 23_GuardRail.Config</p>

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

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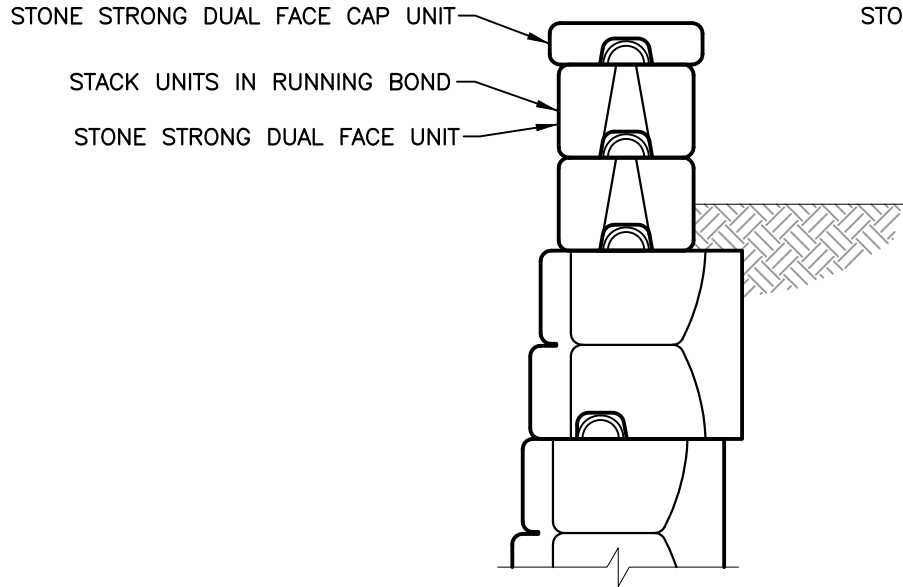
PROJECT

TYPICAL DETAILS  
 STONE STRONG SYSTEMS

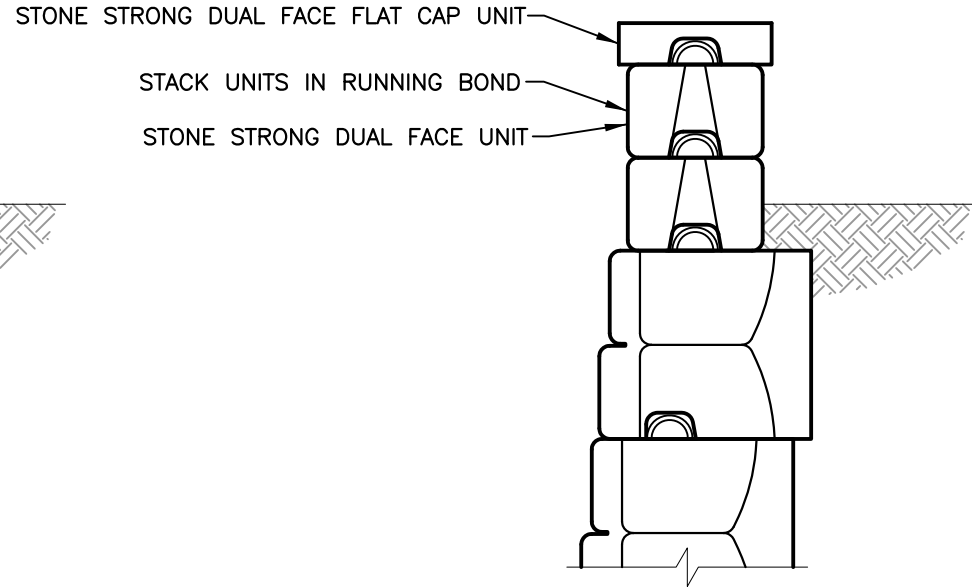
DATE: 1/19/12 | FILE: 24\_DF.Parapet

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

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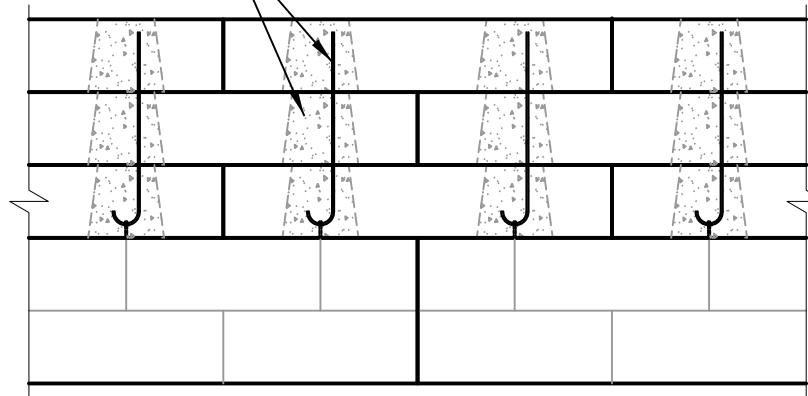
PROJECT

TYPICAL DETAILS  
STONE STRONG SYSTEMS

DATE: 1/19/12 | FILE: 25\_DF.Parapet.Cap

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

REINFORCE & GROUT VOIDS TO INCREASE PARAPET STRENGTH PER SPECIFIC APPLICATION



## OPTIONAL PARAPET REINFORCEMENT

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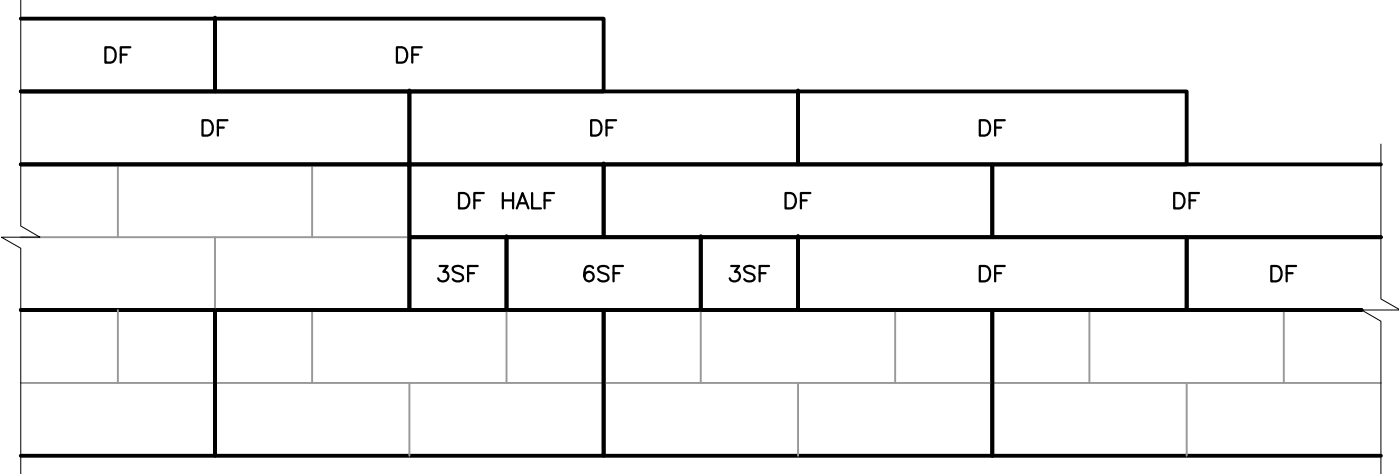


PROJECT

TYPICAL DETAILS  
 STONE STRONG SYSTEMS

DATE: 1/19/12 | FILE: 26\_DF.Parapet.Reinforce

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



DUAL FACE PARAPET WALL STEP  
 NOT TO SCALE

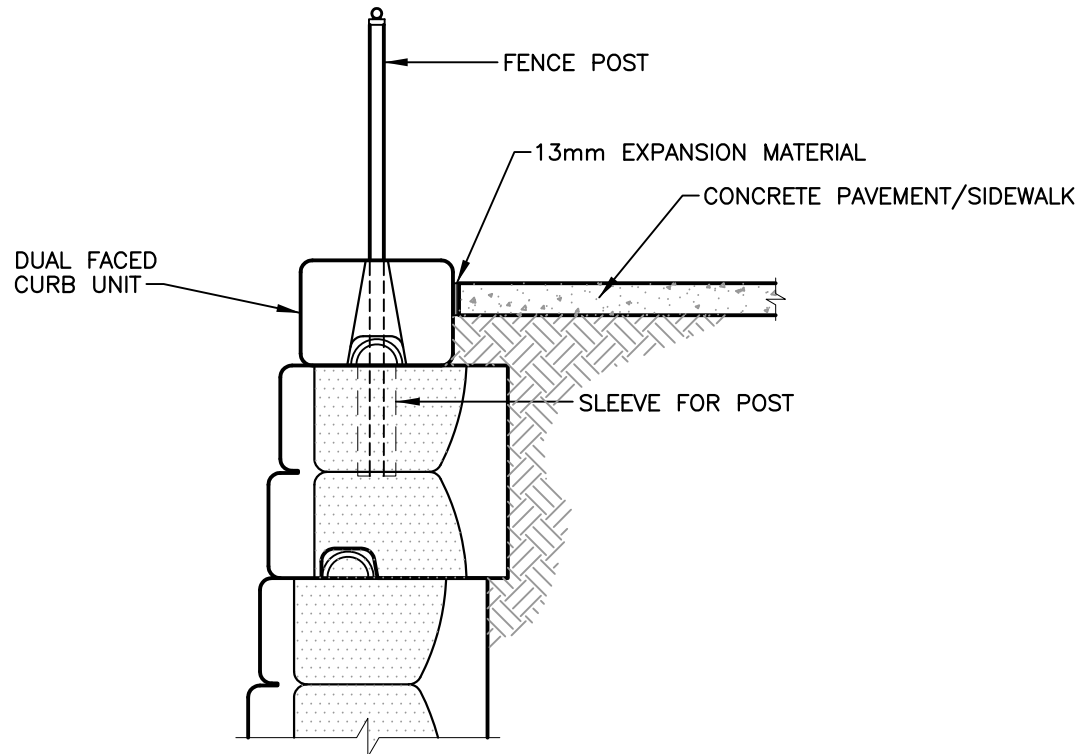
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PROJECT  
 TYPICAL DETAILS  
 STONE STRONG SYSTEMS

DATE: 1/19/12 | FILE: 27\_DF.Parapet.Step



## DUAL FACE CURB w/SIDEWALK

NOT TO SCALE

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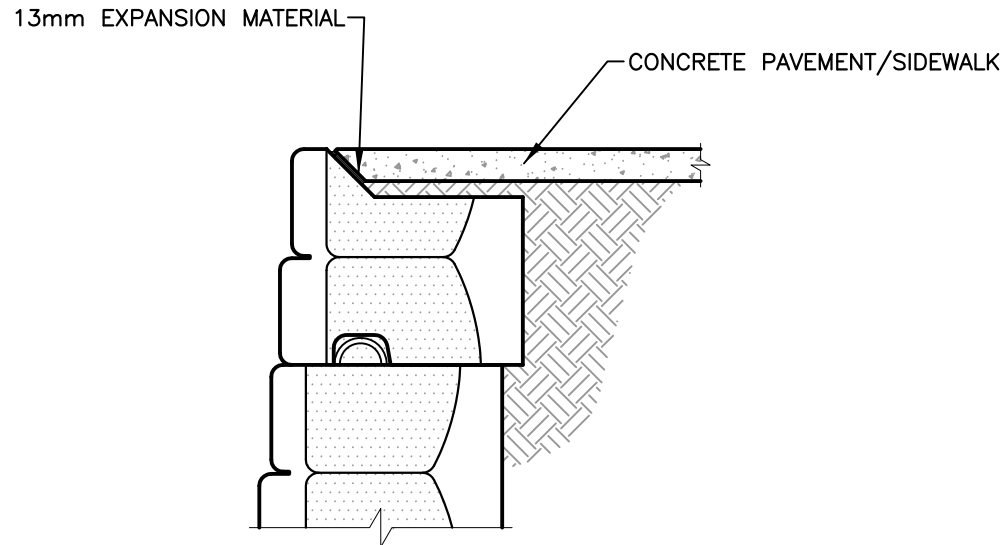
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PROJECT

TYPICAL DETAILS  
 STONE STRONG SYSTEMS

DATE: 1/19/12 | FILE: 28\_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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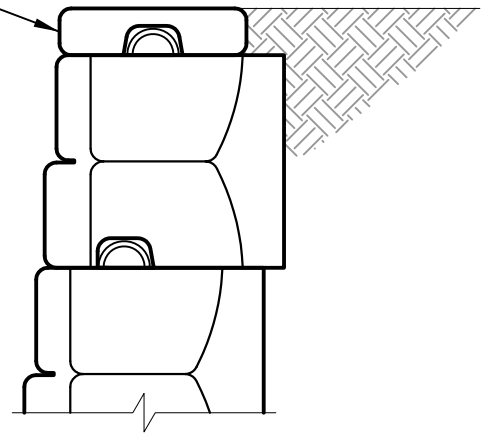
PROJECT

TYPICAL DETAILS  
STONE STRONG SYSTEMS

DATE: 1/19/12 | FILE: 29\_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

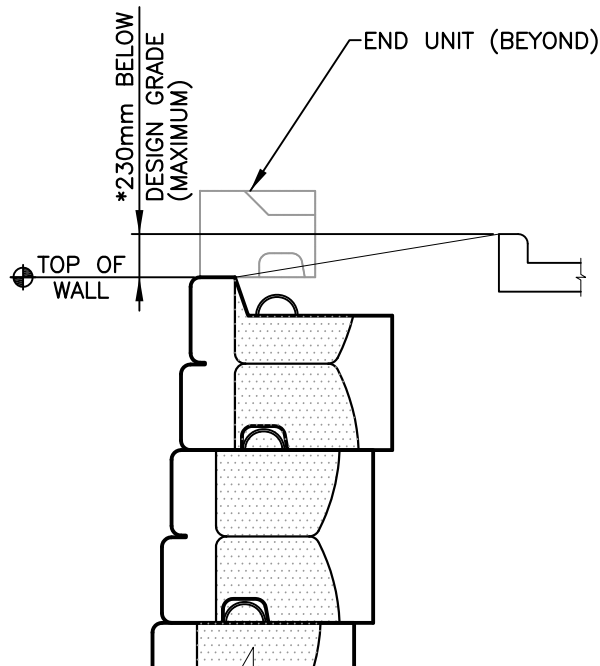
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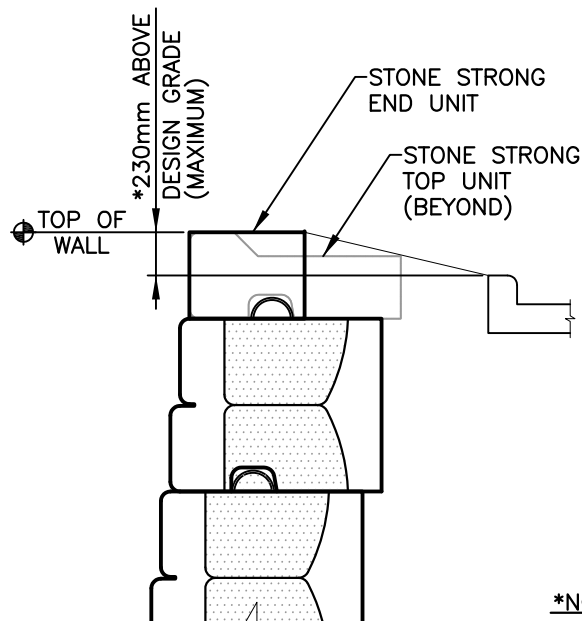
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	PROJECT
	TYPICAL DETAILS STONE STRONG SYSTEMS
	DATE: 1/19/12   FILE: 30_Cap.XSec



BELOW STEP



ABOVE STEP

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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PROJECT

TYPICAL DETAILS  
STONE STRONG SYSTEMS

DATE: 1/19/12 FILE: 31\_GradeSplit