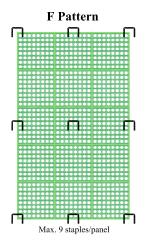
Figure 1. Minimum Anchor Pattern

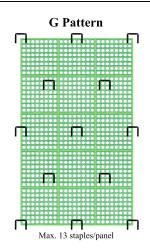
Maximum Design Conditions			Anchor
Shear Stress	Velocity	Wave Heigth	Pattern
<= 6 lbs/ft2	<= 14 ft/s	6 in.	F
> 6-8 lbs/ft2	>14-18 ft/s	12 in.	G
> 8 lbs/ft2	> 18 ft/s	18 in.	Н

Figure 2. Minimum Anchor Type

Soil Type	Anchor Type	
Clay-Clay Loam	10 in Wire Staple	
Silt Loam - Loam	10 in Wire Staple	
Sandy Loam	12 in Wire Staple	
Sand / Muck <= 6 in	12in Rebar Staple	
Sand / Muck 6-12 in	18 in Rebar Staple	
Sand / Muck 12-18 in	24 in Earth Anchor + 12 in Rebar Staple	
Sand / Muck > 18 in	36 in Earth Anchor = 18 in Rebar Staple	

Figure 3. Anchor Patterns for use with Wire/Rebar Staples





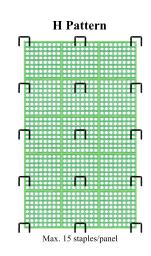
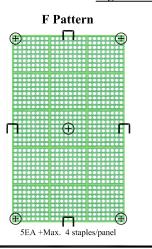
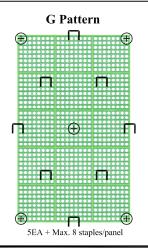
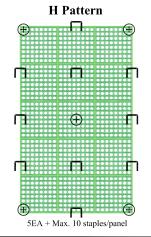


Figure 4. Anchor Patterns for use with Combination of Earth Anchors and Staples









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Disclaimer:

The information presented herein is general design information only. For specific applications, consult an independent professional for further design guidance.

Drawn on: 5-4-17

ShoreMax

ANCHORING GUIDE

- When installing ShoreMax mat, the anchor pattern (figure 3 or 4) should be selected based on the expected maximum design conditions (shear stress, velocity, or wave impact) (figure 1).
- 2. Anchor selection should be based on the soil type and pull-out strength required (figure 2). In soft, highly erodible soils percussion earth anchors may be necessary. Earth anchors can be installed in conjunction with rebar staples (figure 4).
- When using percussion earth anchors, position anchors in each corner and the center of the panel. Place staples in the appropriate pattern through remainder of mat. Staples can be shared between two adjacent panels.

*Note:

Number of staples used per panel can be reduced by 30-40% when sharing staples between panels.

- Wire/Rebar Staple

(+) - Percussion Earth Anchor

Drawing Not To Scale