WELDED WIRE GABIONS

Spiral Binders

- 1.25" (32 mm) Pitch
- 1.5" (38 mm) Pitch
- 3" (76 mm) Pitch

Gabion Mattress

- Less than 1 ft (305 mm) height
- 1 ft (305 mm) or over basket height

Gabion Basket

Note:
1. Use spiral binders with welded wire mesh only.
2. Ensure a minimum of one loop of spiral passes through each opening of wire mesh.

General Notes:
1. On any given level, baskets with exposed faces must be filled prior to filling baskets with no exposed face.
2. Base of gabion to be constructed below scour depth next to stream.
3. Exterior gabions shall consist of wire-mesh baskets filled by hand placement of coarse aggregate, at least along the exposed faces, for a uniform appearance.
4. Interior gabions shall consist of wire-mesh baskets filled by hand placement or small power equipment placement of coarse aggregate.
5. For 3 ft (914 mm) gabion, preformed stiffeners across the corners of the gabion before filling. Two rows of stiffeners (1 per cell) are required for the front face and the side faces. Install a single row (1 per cell) on the back face. No stiffeners are required in the interior cells.

6. For 1.5 ft (457 mm) gabion, install a single row (1 per cell) of stiffeners in the same locations as before. For 1 ft (305 mm) gabion, and mattresses no stiffeners are required.
7. Stiffeners shall be placed across the corners at 12 in (305 mm) from the corner, providing a diagonal bracing.

Location of Stiffeners

Gabions

Effective Date: July 2000

Commonwealth of Puerto Rico
Department of Transportation and Public Works
Highway and Transportation Authority

Gabions

Welded Wire Gabions

Binders and Lacing Patterns

Date
Revision
By
STD.
GABI
Dwg.
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