TWISTED WIRE GABION

WOVEN WIRE MESH PLACEMENT AND TIE WIRE LACING PATTERNS

NOTE:
The wire lacing as shown is for clarity of lacing pattern. Actual field application will have wire lacing snug with selvedge wire of woven wire mesh.

CROSS TIE LOCATION DETAIL

NOTES:
1. Use non-interlocking fastener for assembly of gabion baskets.
2. Use one fastener per wire mesh opening except use two per wire mesh opening on exposed ends of gabion baskets at beginning or end of row.

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 shallower placement of coarse aggregate.

PREFabricated CROSS TIES

NOTES:
1. Prefabricated cross ties are shown on the left.
2. Cross ties may be fabricated in the field using wire (0.067 in).
3. Do not use straight and crossed cross ties in the same gabion installation.
4. For 3 ft (914 mm) gabions, cross ties shall be attached at 1/3 and 2/3 of the gabion height (36 in = 914 mm) as the cell is being filled.
5. For 5 ft (1524 mm) and 10 ft (3050 mm) gabions, cross ties shall be installed at the half height level.
6. No cross ties are needed for gabion mattresses.
7. Cross ties shall be installed in both directions (longitudinal and transverse) in external Gabions. Use longitudinal cross ties in internal Gabions.

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GABIONS TWISTED WIRE GABION BINDERS AND LACING PATTERNS

DATE: JULY 2000

RECOMMENDED BY:

COMMONWEALTH OF PUERTO RICO DATE: REVISION: STD. DWG. 6 OF 20
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY AND TRANSPORTATION AUTHORITY

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