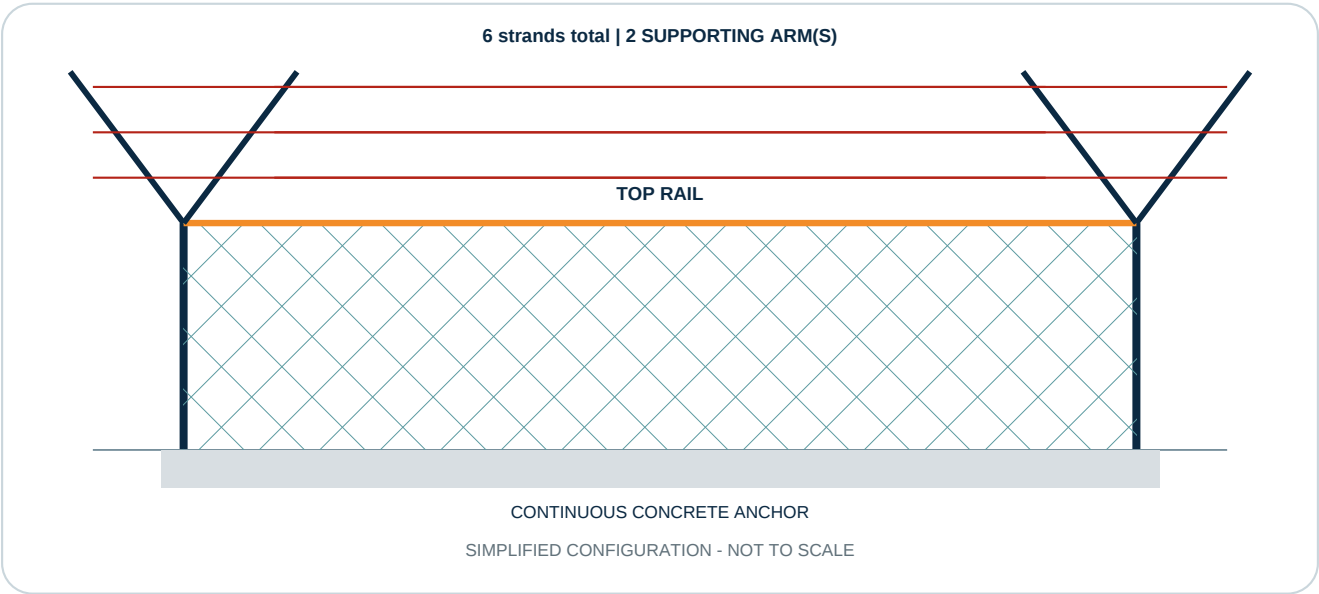


TYPE I - TECHNICAL REFERENCE

Drawing family: AE-036881 | Sheets 1-9

REFERENCE ONLY - NOT FOR CONSTRUCTION, PROCUREMENT OR ARAMCO APPROVAL

Highest security level in the historical Type I-V hierarchy; selection remains the Proponent's responsibility.



Reference configuration

Parameter	Reference value
Fence fabric height	2400 mm
Top rail	Yes - continuous except at drive gates
Brace arrangement	Brace provision at each line post
Extension arms	2
Barbed wire	6 strands total
Concrete anchor	Yes - continuous concrete anchor
Tension treatment	Bottom fabric is tied to the continuous anchor; confirm the project detail.

TYPE I - COMMON MATERIAL AND INSTALLATION REFERENCE

The following values are shared reference data summarized from a publicly mirrored 2018 issue of SAES-M-006. The project IFC package, purchase order, latest controlled standard and approved material submittals take precedence.

Component	Reference summary
Chain-link fabric	50 mm diamond mesh (approx. +/-3.2 mm); 2400 mm fabric height; standard roll length 15 m; no splices in a roll.
Fabric wire	Galvanized or polymer-coated galvanized. Public 2018 reference lists 3.75 mm overall for galvanized/PVC fusion-bonded and 4.88 mm overall for extruded vinyl.
Tubular framework	Schedule 40 galvanized steel unless the controlled project specification selects another approved material system.
Post O.D.	Brace/rail 42 mm; line 60 mm; corner/end and 1.2 m walk-gate post 73 mm; double-drive gate post 102 mm.
Post lengths	Walk gate, line and corner/end: 3400 mm; drive gate: 3900 mm; brace: 2900 mm. Public 2018 reference states these include 975 mm footing embedment.
Line-post spacing	Maximum 3 m centres, subject to the controlled standard drawing and site layout.
Barbed wire	Two twisted main wires, nominal 2.5 mm minimum, with four-point barbs nominal 2.0 mm at about 125 mm spacing.
Concrete	Minimum 27.6 MPa compressive strength at 28 days for footings/grade beams; exact geometry per AC-036680 and project geotechnical requirements.

Gate reference

Walk gate	1200 mm clear opening; 2450 mm overall height; 73 mm O.D. post.
Drive gates	Public 2018 reference lists 4000 mm and 7300 mm clear openings, 2800 mm overall height and 102 mm O.D. posts for Types I-IV. Older AE sheets and project IFC drawings may use other openings, including 4850 mm; confirm before quotation.

Controlled documents to obtain before construction

AE-036881	Type I list of material, sheets 1-9
AB-036677	General fence arrangement
AA-036678	Posts and fabric details
AB-036679	Gate details
AC-036680	Footing details
SAES-M-006	General purpose fencing standard

Source trail

- Public mirror of SAES-M-006 (2018 issue text): [open public source](#)
- Public mirror of Saudi Aramco fence component inspection checklist: [open public source](#)

Prepared 2026-08-20. The public sources are not an official standards-distribution channel, and current revision/approval status has not been authenticated.