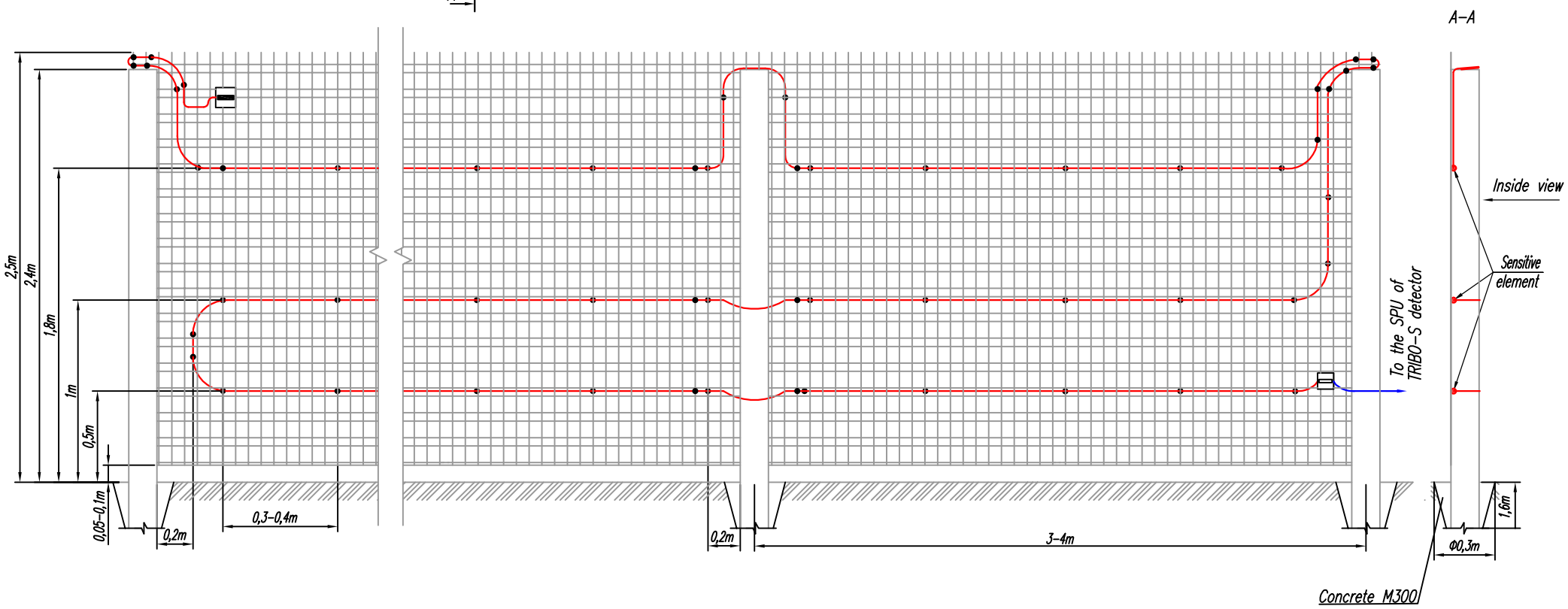
SENSITIVE ELEMENT LAYOUT ON LIGHT WELDED MESH FENCE



Legend:
- Sensitive element – SE–86 "FORTEZA"
- Non–sensitive element – NON–SE "FORTEZA"
- Sensitive element fixing point
- Connection sleeve (CS)
- End sleeve (ES)

Installation of sensitive element of TRIBO–S triboelectric perimeter security detector:

1. Max. SE–86 "FORTEZA" per one input of signal processing unit (SPU) security detector TRIBO–S – up to 300m.
2. The sensitive element SE–86 "FORTEZA" is to be laid in accordance with the draft layout.
3. The sensitive element SE–86 "FORTEZA" is fixed to the fence by plastic ties 140x3.5 mm, every 0.3–0.4 m. To make "fixing point" at the points of SE–86 binding to the fence, binding should be performed in such a way to obtain visible cable sheath deformation not leading to cable damage.
4. When laying the SE–86 over the supports, the SE–86 contoct with the support should be avoided.
5. Connection and end sleeves should be mounted on a fence horizontally and higher than the SE–86 cable line.

Note:
1. Fence supports should be buried to the appropriate depth as conditioned by the ground type and climatic conditions, but not less than 1.5m of a 3–4m pitch.
2. The welded mesh must be evenly tensed between the supports with the min. force of 100 kg.
3. Recommended welded mesh parameters: mesh cell size: 250/50 mm; min. wire diameter. 2.8 mm.

	Sheet	N°Doc	Signature	Date
Developed	Dementjev K.			
Checked				
Approved				

Typical design solutions

Album 1. Laying the sensitive element on different fence types

Stage	Sheet	Pages
PD	3	39

Sensitive element layout on light welded mesh fence

"FORTEZA"