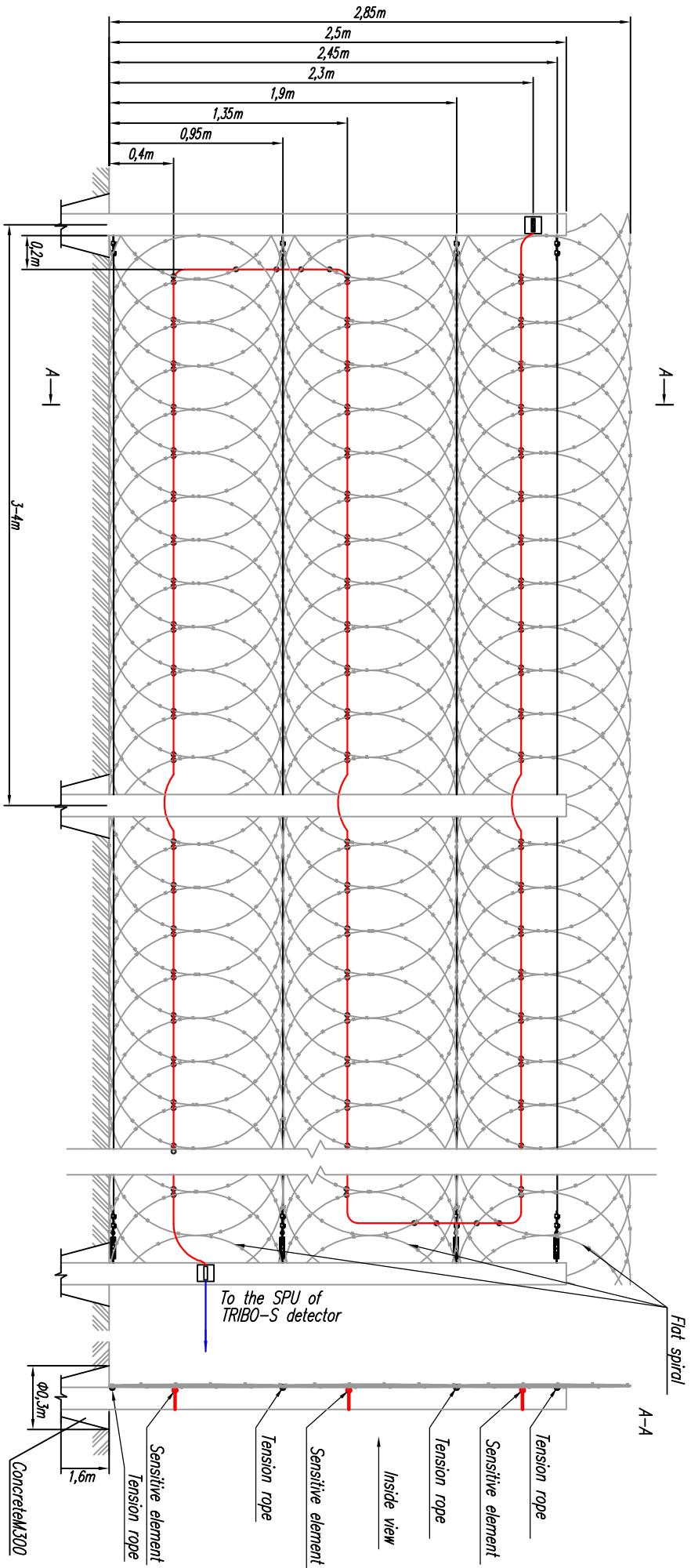


SENSITIVE ELEMENT LAYOUT ON RAZOR WIRE FLAT SPIRAL FENCE



- Legend:**
- Tension rope
 - 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 contact 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 at a 3-4 m pitch.
 2. Steel ropes with the min. diameter of 3mm should be used as the tension ropes.
 3. The tension ropes should be stretched using turnbuckles and a winch to the force of 100 kg or more.
 4. Each flat spiral turn must be fixed to the tension ropes with Ø1.6 mm galvanized binding wire or appropriate brackets.

Typical design solutions

	Sheet	N/Doc	Signature	Date		Stage	Sheet	Pages
Developed	K.Demenčev				Album 1. Layout sensitive element on various types of the fence	PD	5	39
Checked						Sensitive element layout on razor wire flat spiral fence		
Approved								

"FORTEZA"