

NOTE:

- Per la posizione delle varie sezioni di cavidotti rappresentate vedasi: "DMADE_CAVT00700_00 - Planimetria su catastale - Cavidotto"
- Dove non espressamente specificato, le misure sono in centimetri.

Nexans

ARE4H5EEX
20.8/36 kV
3x1x... SK2

HIGH VOLTAGE CABLE
THREE SINGLE CORE CABLES IN TRIPLEX FORMATION WITH ALUMINIUM CONDUCTOR, REDUCED THICKNESS
XLPE INSULATION, ALUMINIUM TAPE SCREEN AND DOUBLE PE SHEATH, SHOCK RESISTANT.

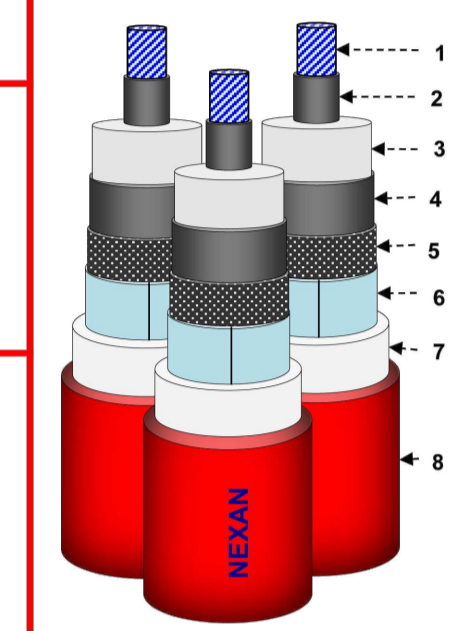
APPLICATIONS AND CHARACTERISTICS
In HV energy distribution networks for voltage systems up to 42kV. Suitable for fixed installation indoor or outdoor laying in air or directly or indirectly buried, also in wet location.
SHOCK PROOF SK2 has a very good shock resistance characteristics. The two special outer sheaths provide an excellent protection against impact and mechanical abuse during the lifetime of the cable.
Shock Proof SK2 cable performance has been evaluated against mechanical protection by the abrasion test and the impact test included in CEI 20-68.
This type of cable can be directly buried without additional protections because it is comparable to an armoured cable.

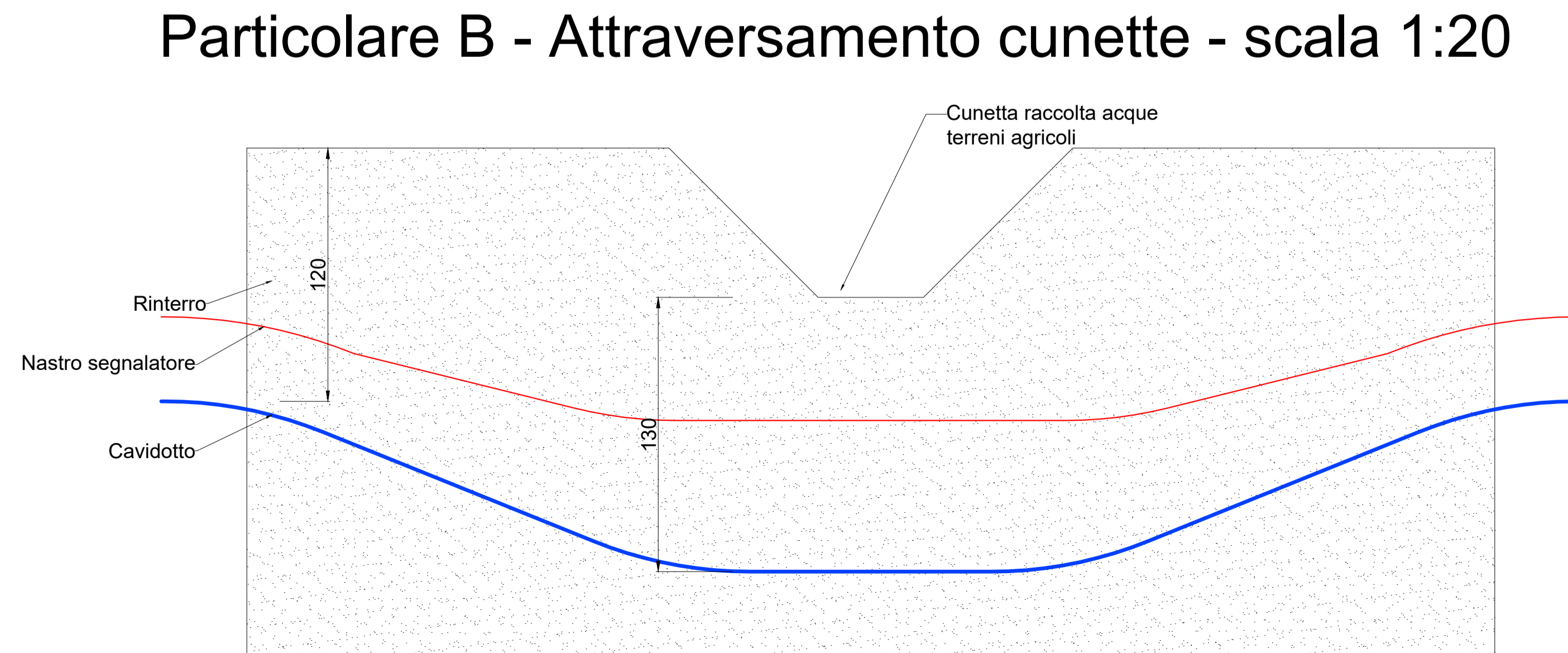
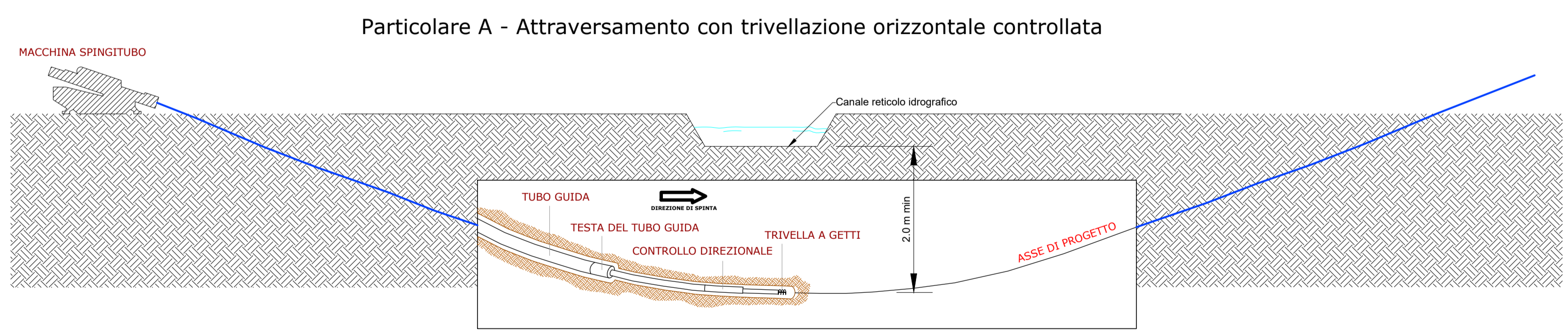
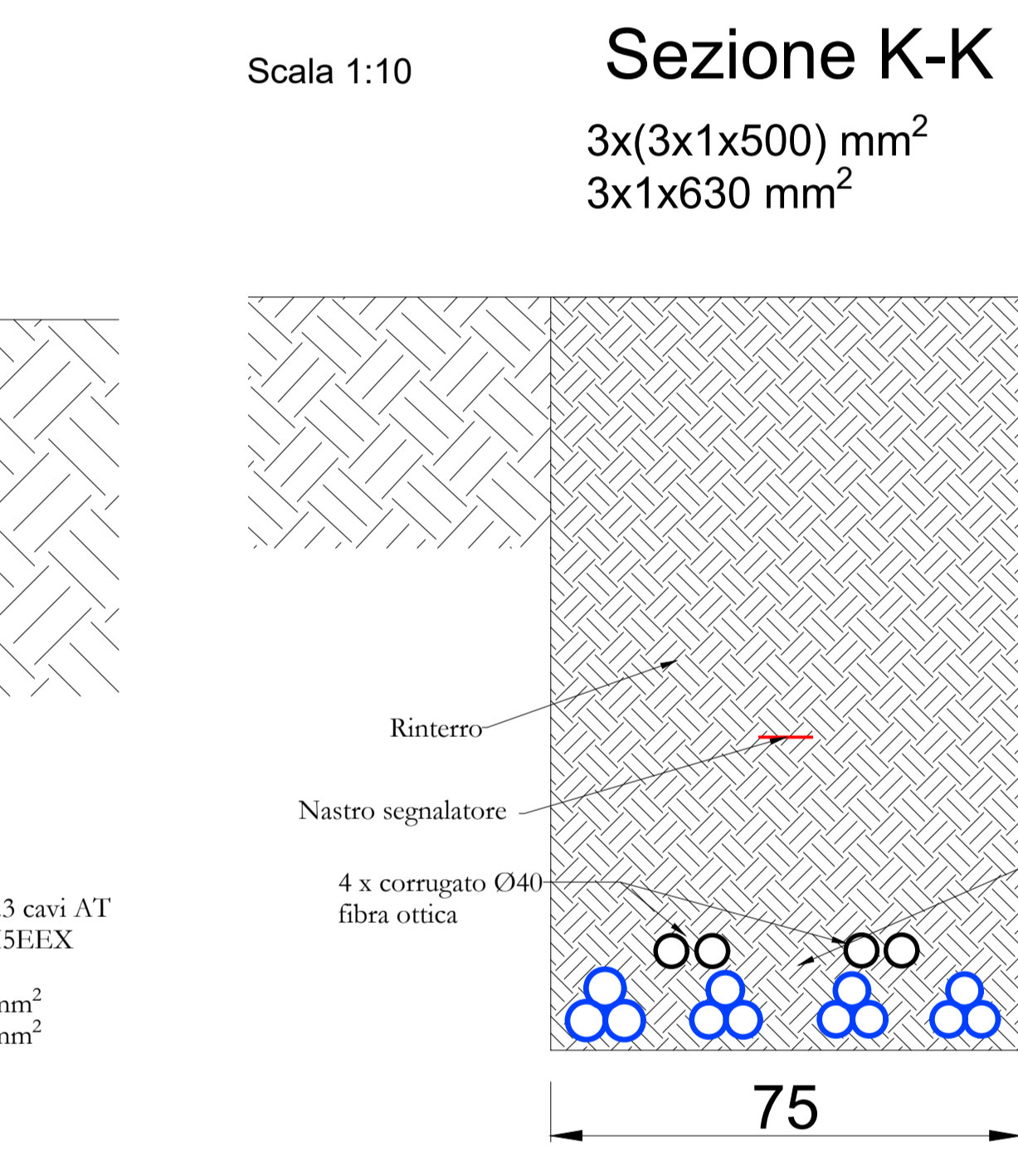
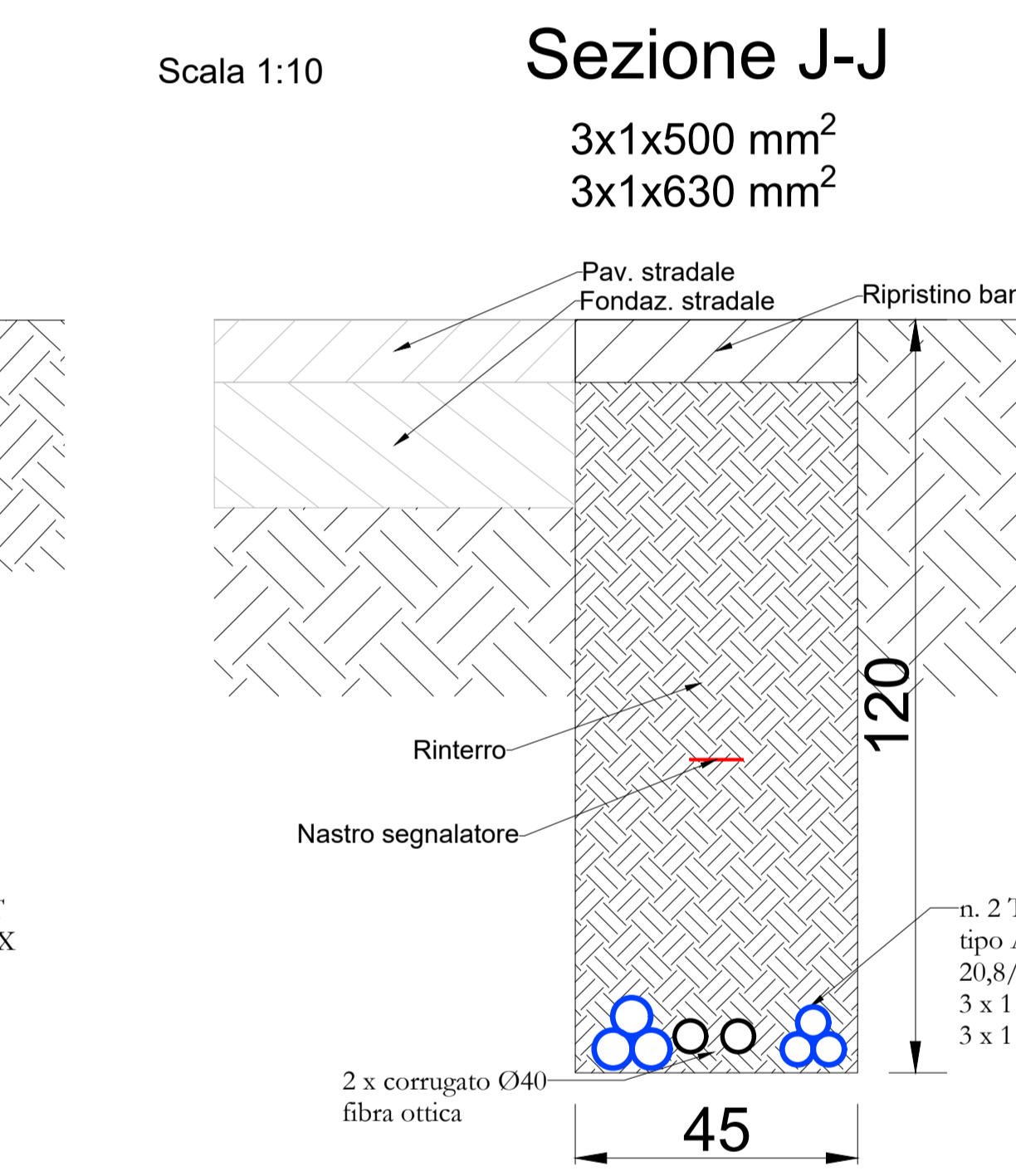
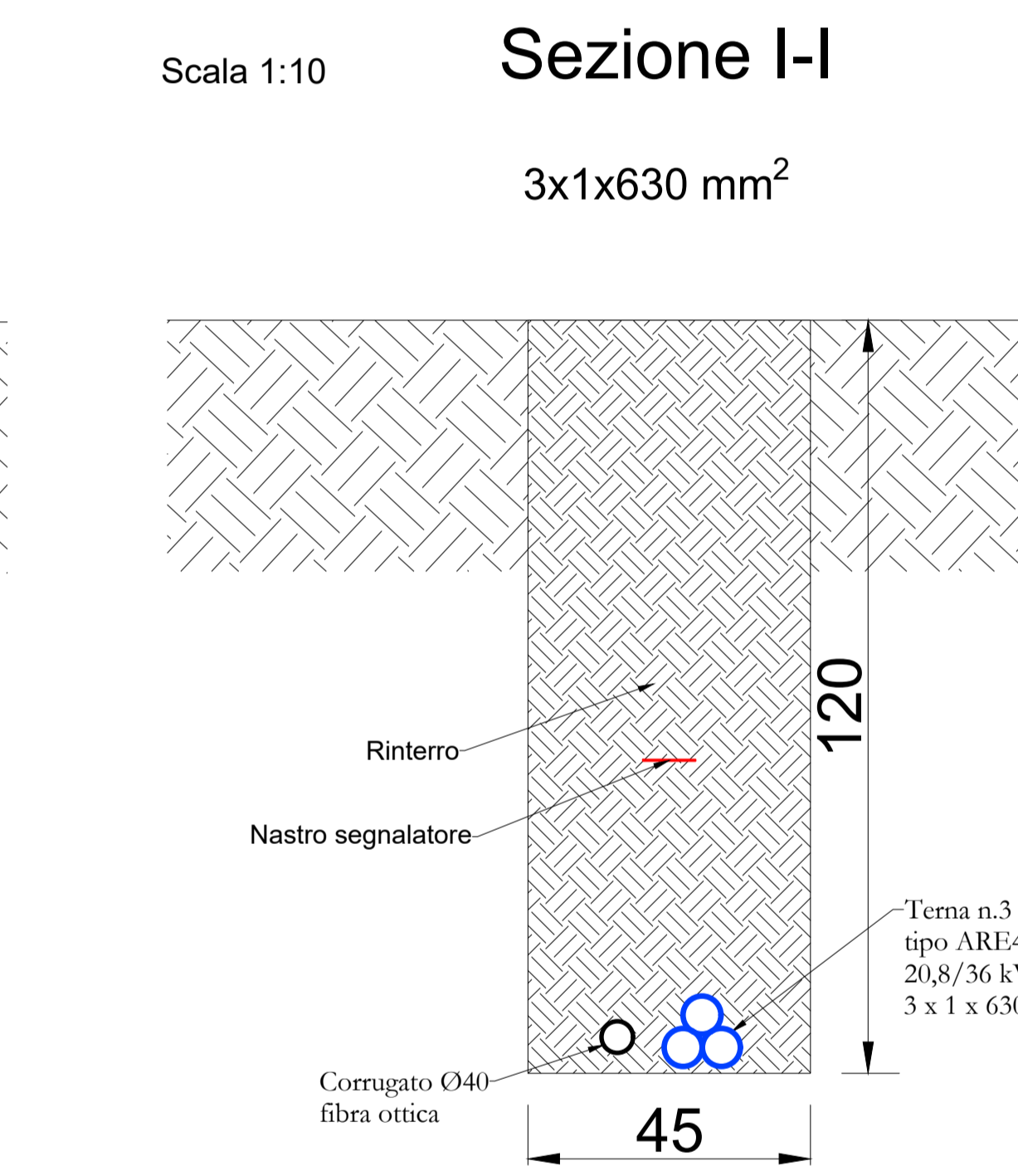
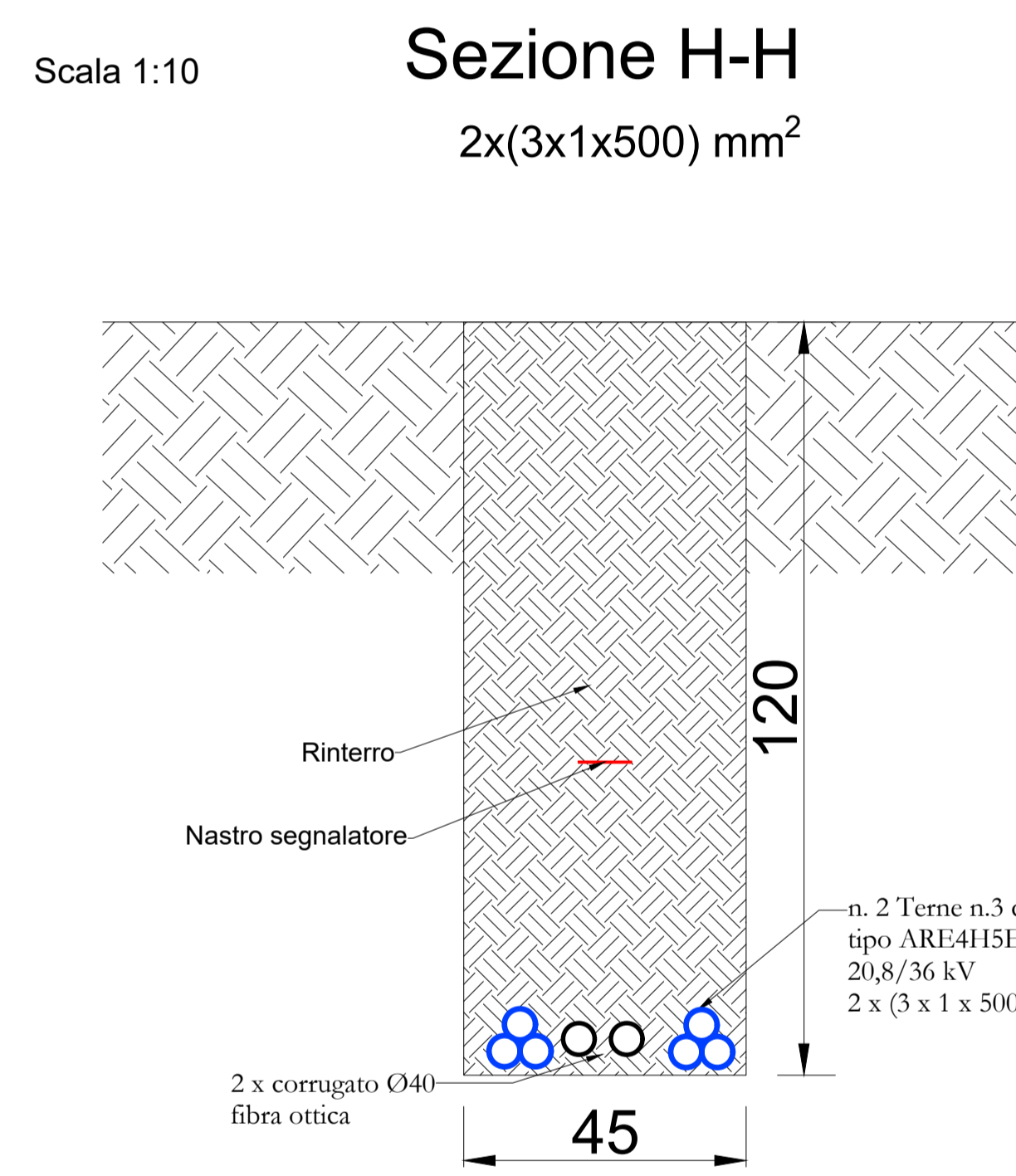
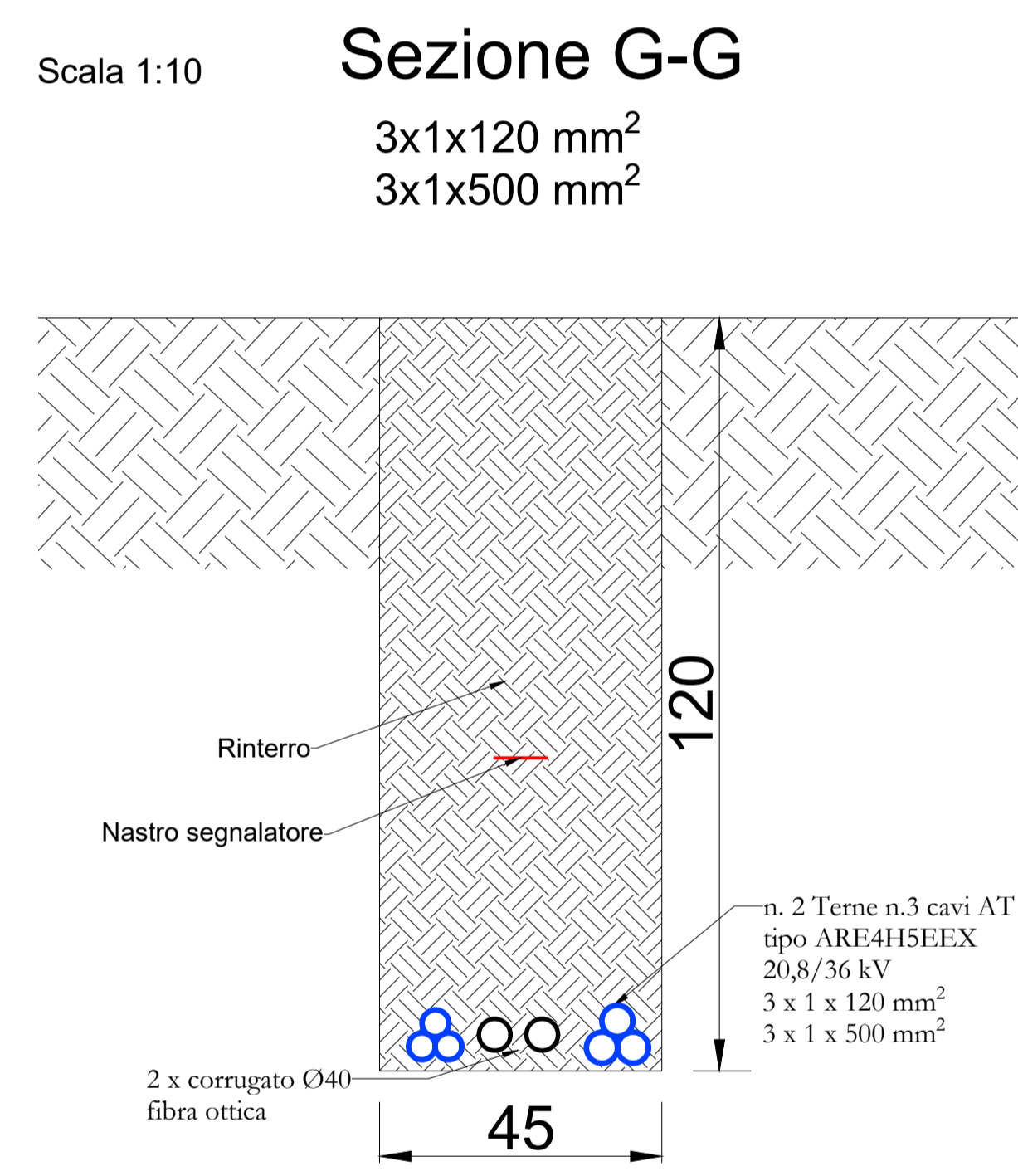
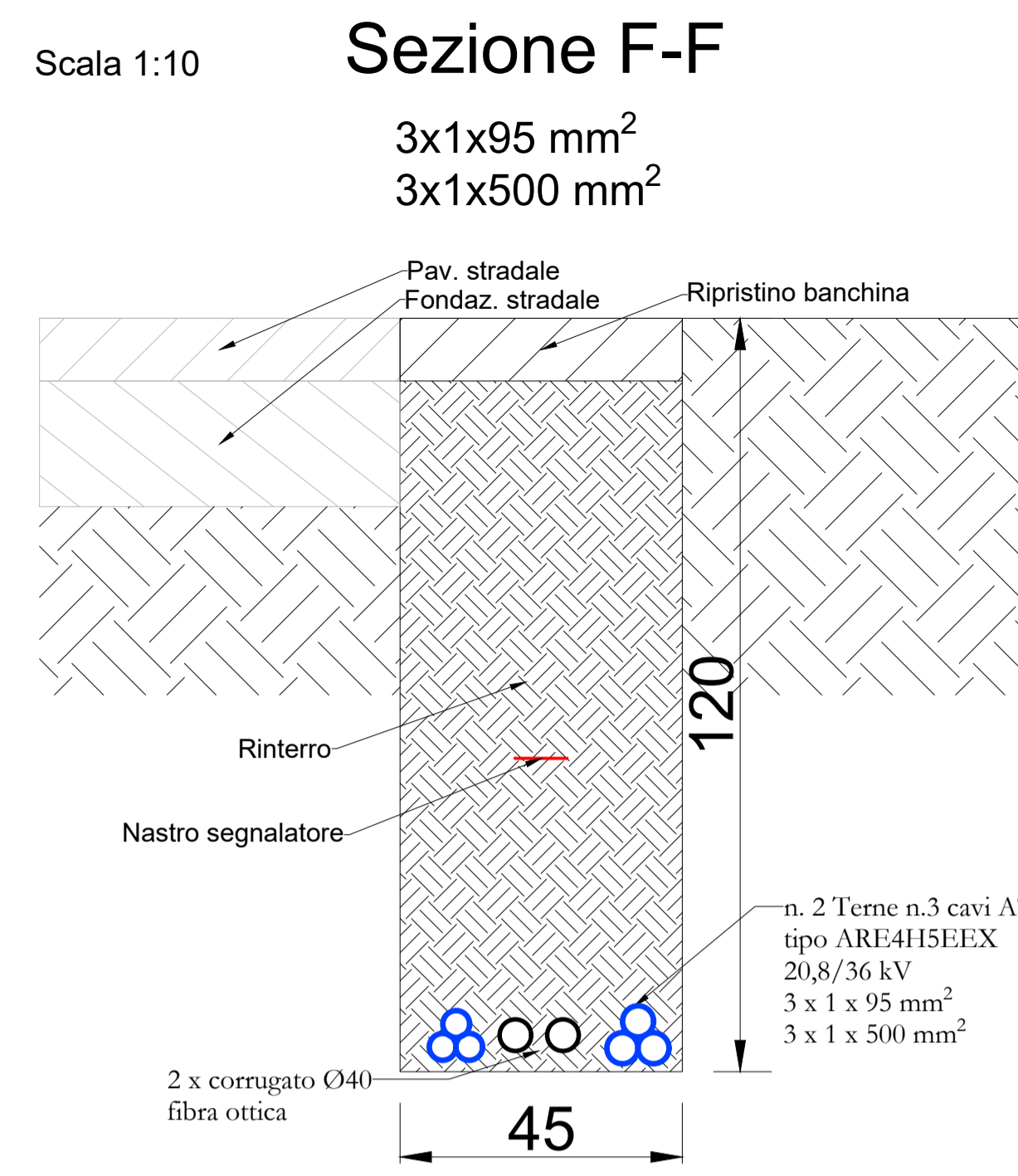
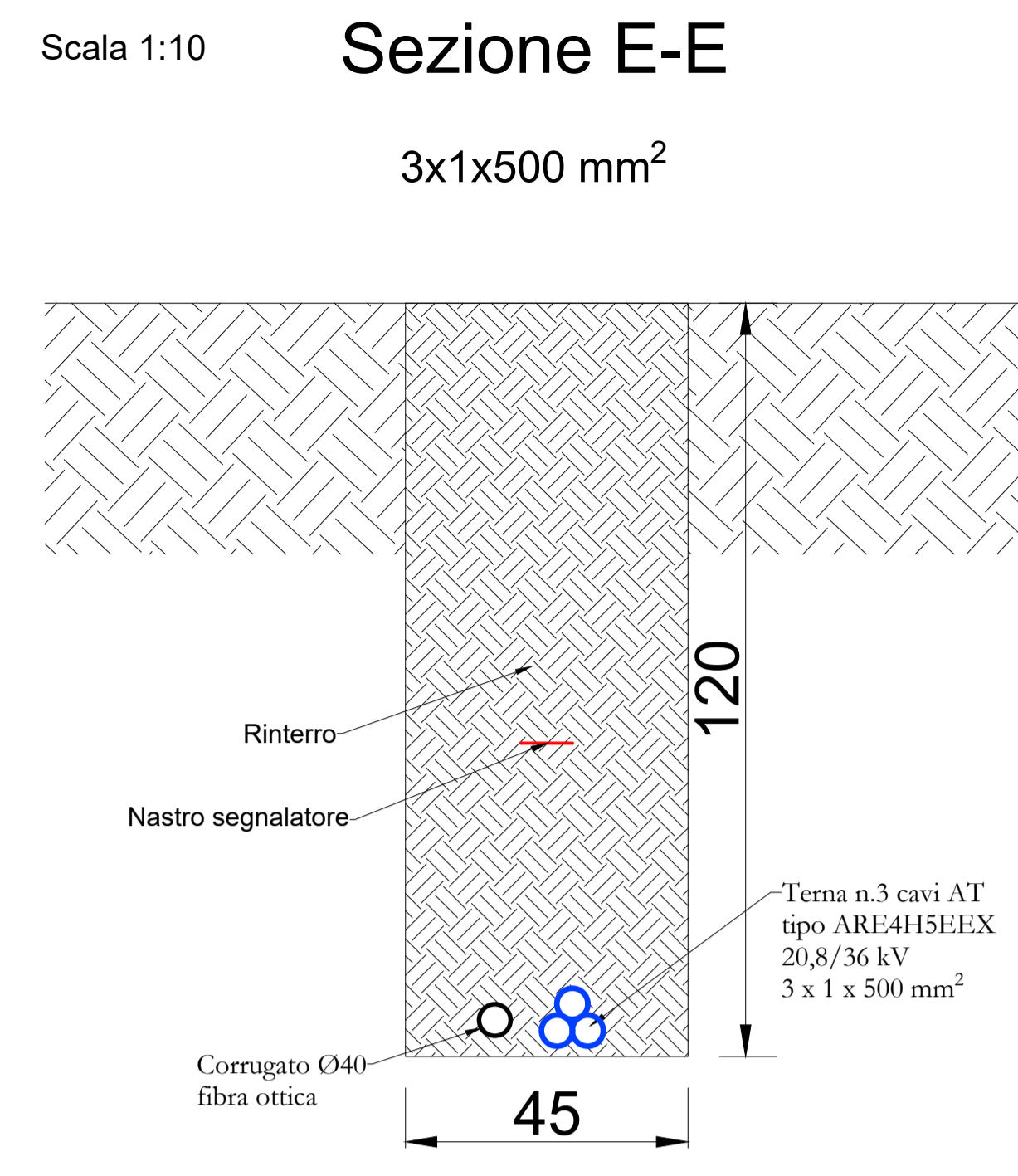
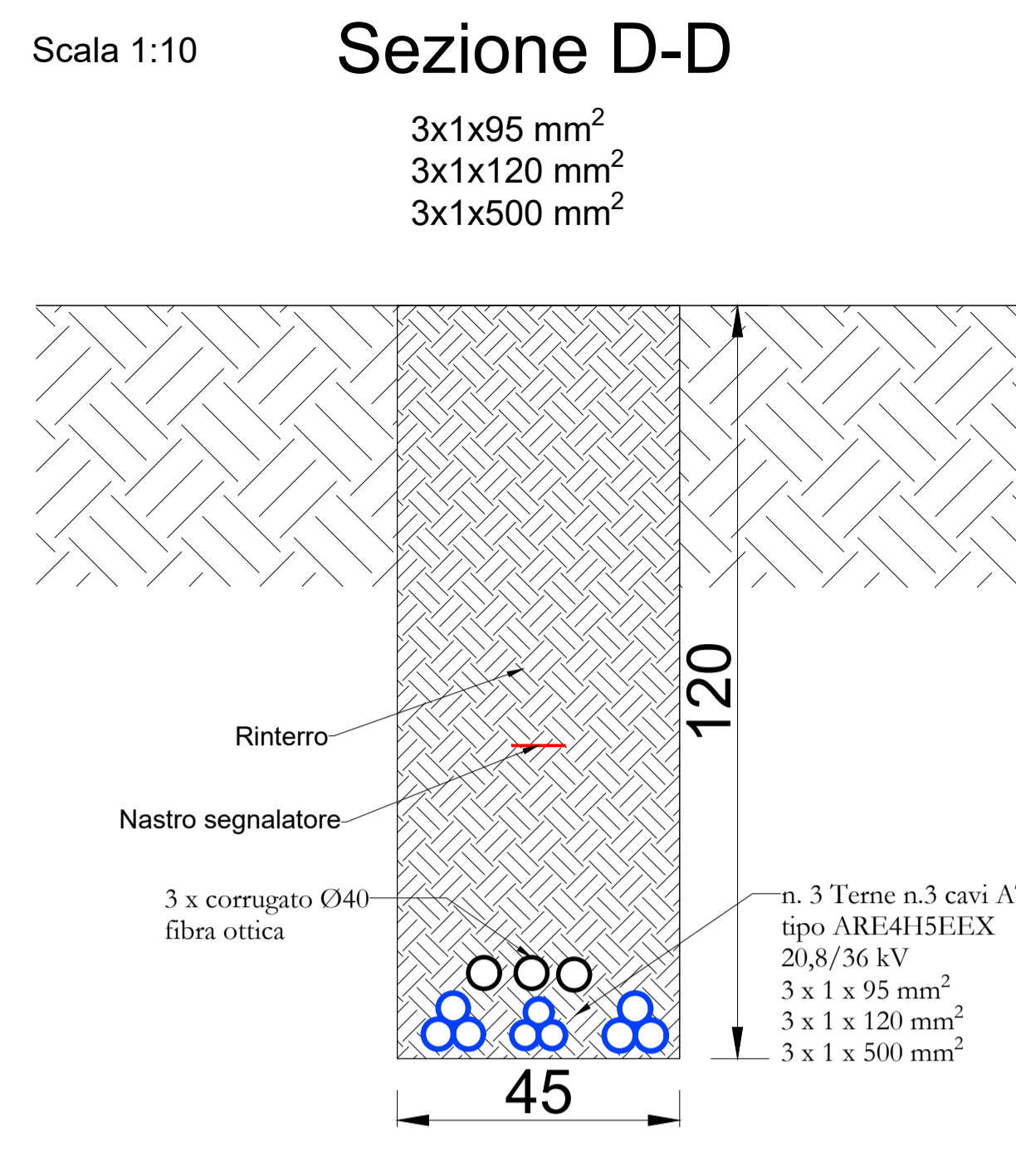
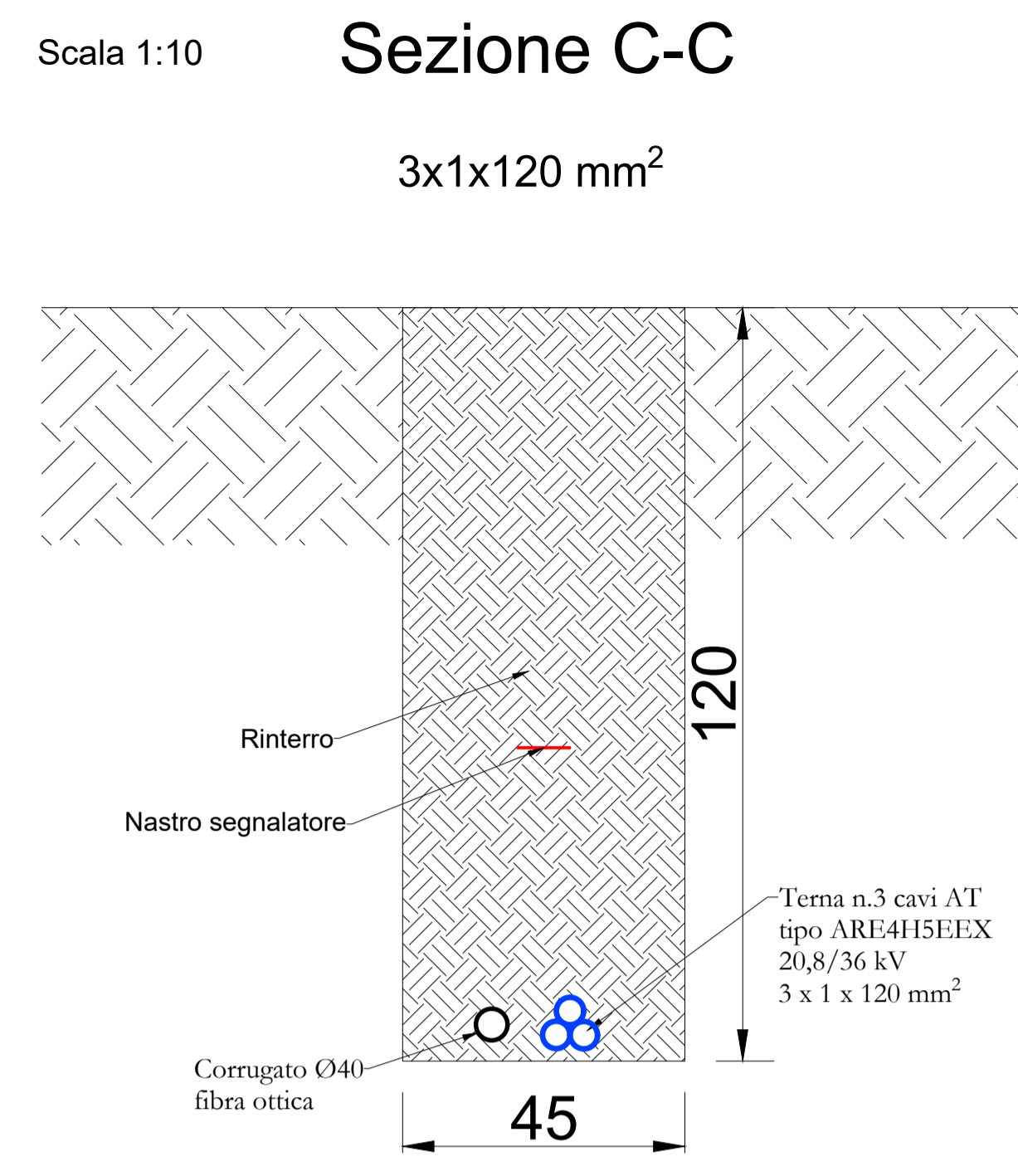
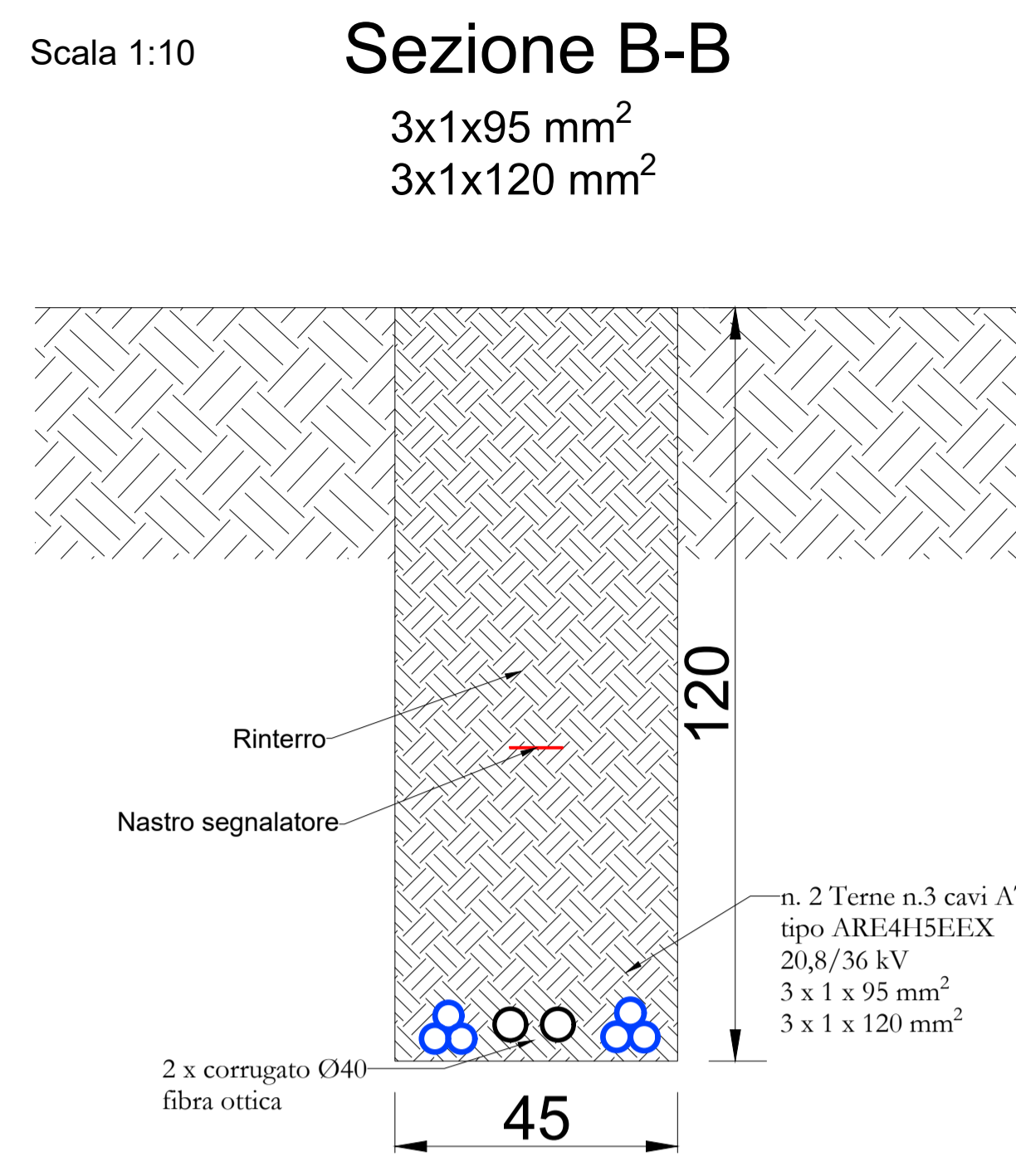
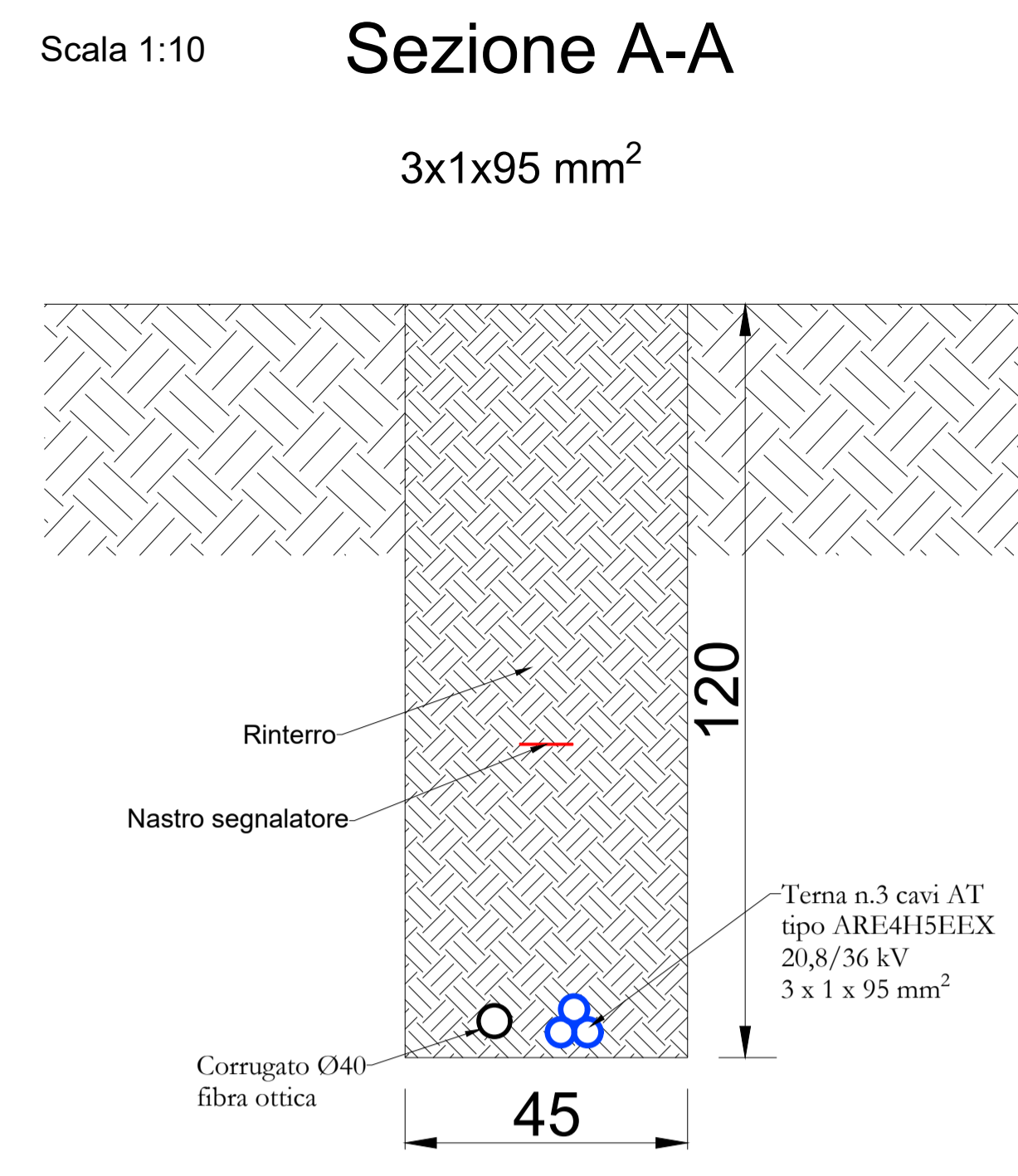
FUNCTIONAL CHARACTERISTICS
Rated voltage U_{0/U}: 20.8/36 kV
Maximum voltage U_m: 42 kV
Test voltage: 2.5 U₀
Max operating temperature of conductor: 90 °C
Max short-circuit temperature: 250 °C (for max 5 s)
Max short-circuit temperature (screen): 150 °C

CONSTRUCTION
1. Conductor: stranded, compacted, round, aluminium - class 2 acc. to IEC 60228
2. Conductor screen: extruded semiconducting compound
3. Insulation: extruded cross-linked polyethylene (XLPE) compound
4. Insulation screen: extruded semiconducting compound - fully bonded
5. Longitudinal watertightness: semiconducting water blocking tape
6. Metallic screen and radial water barrier: aluminium tape longitudinally applied (nominal thickness = 0.20 mm)
7. First sheath: 1 extruded PE compound
8. Second sheath: 2 extruded PE compound - colour: red with improved impact resistance

STANDARDS
IEC 60840 where applicable (testing)
Nexans Design
HD 620 where applicable (materials)
CEI 20-68 where applicable (impact test)

Max pulling force during laying: 50 N/mm² (applied on the conductors)
Min bending radius during laying: 21 D_{max} (dynamic condition)
Minimum temperature during laying: -25 °C (cable temperature)





AREN Green S.r.l.
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Iscritta nel Registro delle Imprese della Romagna - Forlì-Cesena e Rimini | REA 32698 | C.F./P.Iva 04032170401

COMUNI DI ACERENZA E OPPIDO LUCANO (PZ)
LOCALITÀ "TORRE VOSA"

PROGETTO PER LA REALIZZAZIONE DI
IMPIANTO EOLICO
"DONNA MARIANNA"

REDAZIONE / PROGETTISTA: **Arene Electric Power Spa**
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Registro delle Imprese di Forlì-Cesena R.E.A. 317048

TIMBRO FIRMA PROGETTISTA: **aren**
Ing. Samuele Urli
Ordine degli Ingegneri di Forlì-Cesena
Aut. 2066

TITOLO ELABORATO: **Dettagli costruttivi cavidotto AT**

CODICE ELABORATO	FIRMA	SCALA	FASE
DMADE_CAVT00700_08 0,0 0,0	AT*	1:10-1:20	PROGETTO DEFINITIVO

REV.	DESCRIZIONE	DATA	REDATTO	VERIFICATO	APPROVATO
00	Prima emissione	20/07/2024	A.Luzzi	S.Right	S.Urli
01					
02					
03					
04					

FILE: DMADE_CAVT00700_00 - Dettagli costruttivi cavidotto AT.dwg
LA DIFFUSIONE E RIPRODUZIONE, ANCHE PARZIALE, DI QUESTA TAVOLA E' VIETATA A TERMINI DI LEGGE