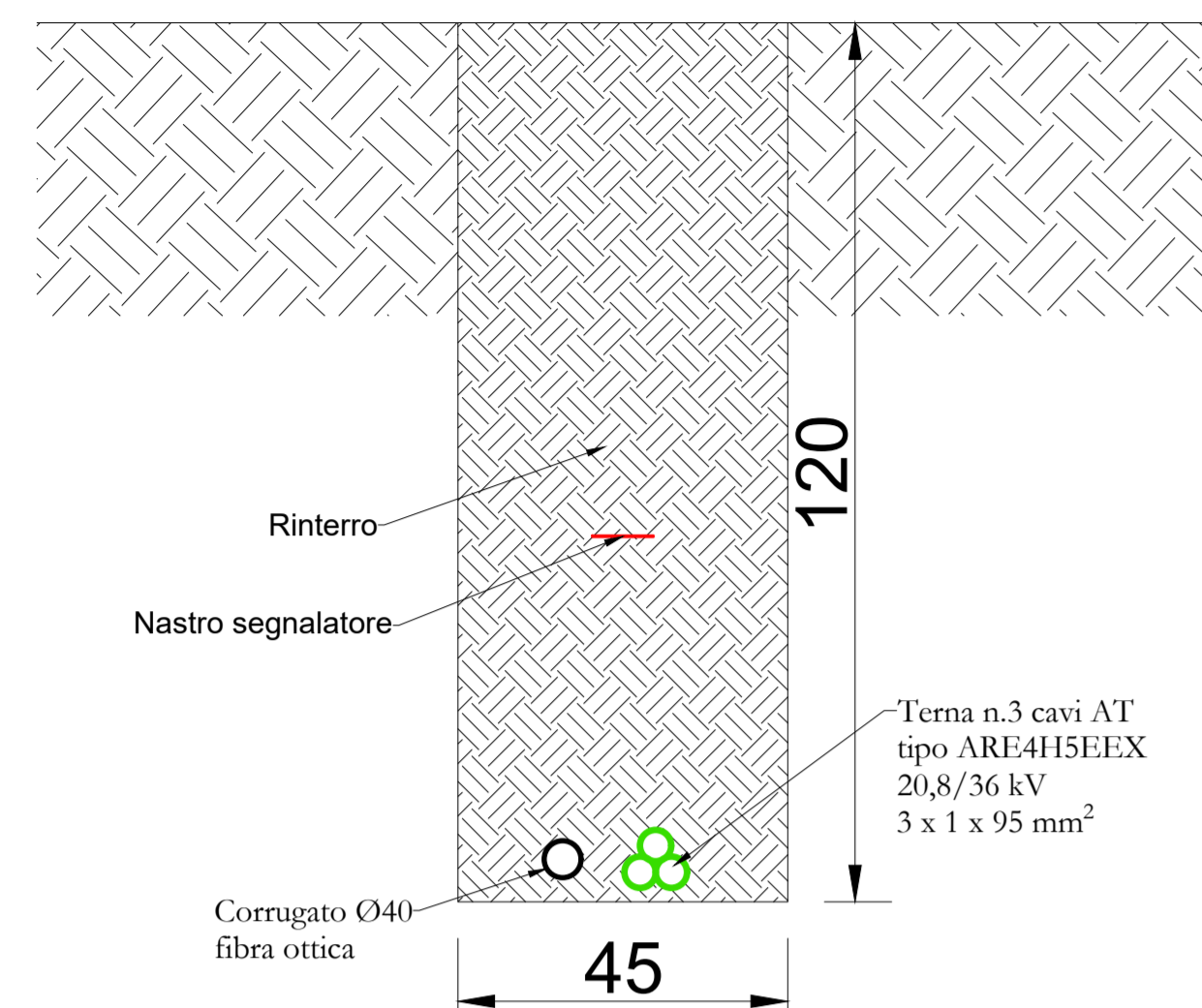


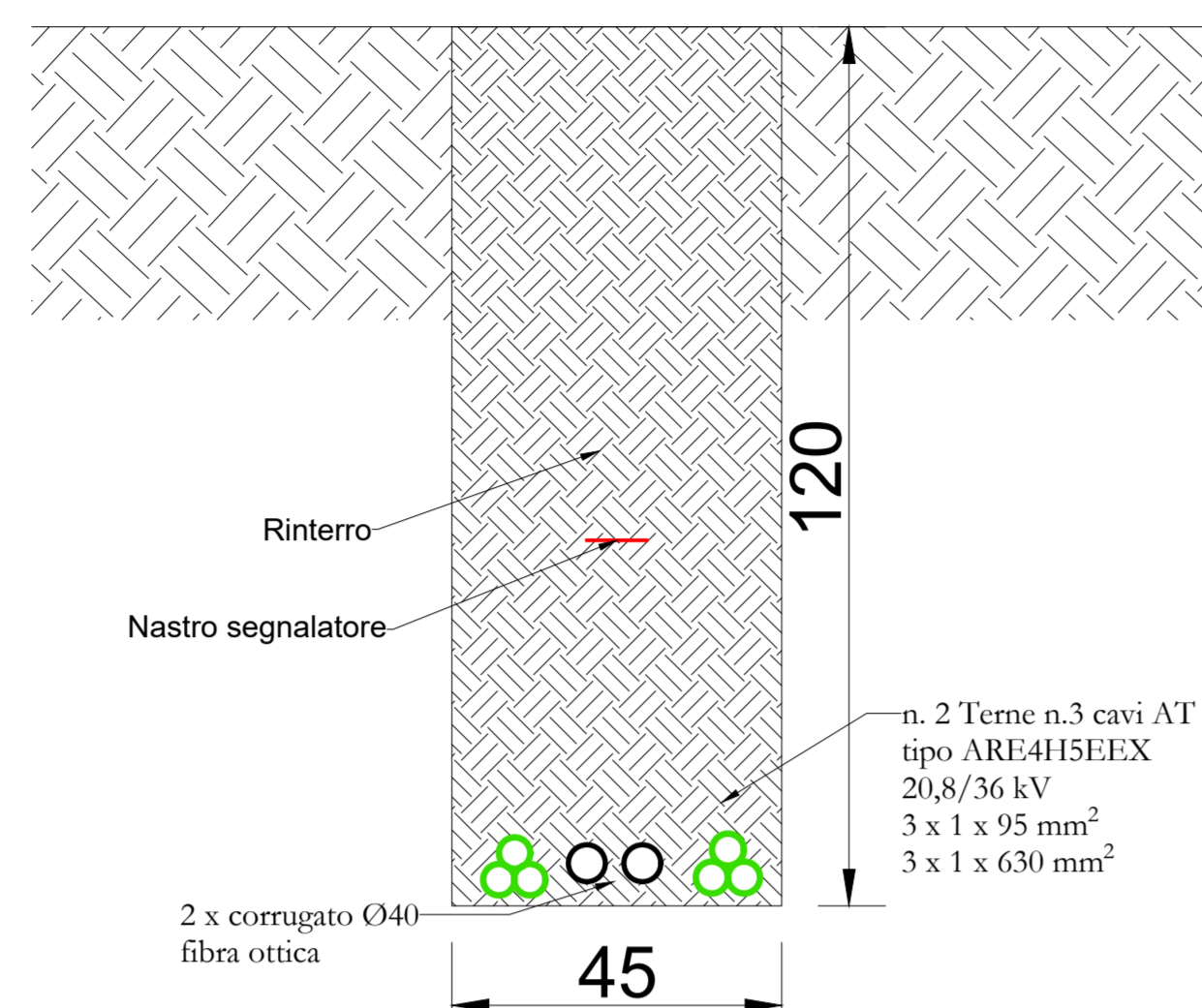
Scala 1:10 Sezione A-A

3x1x95 mm²



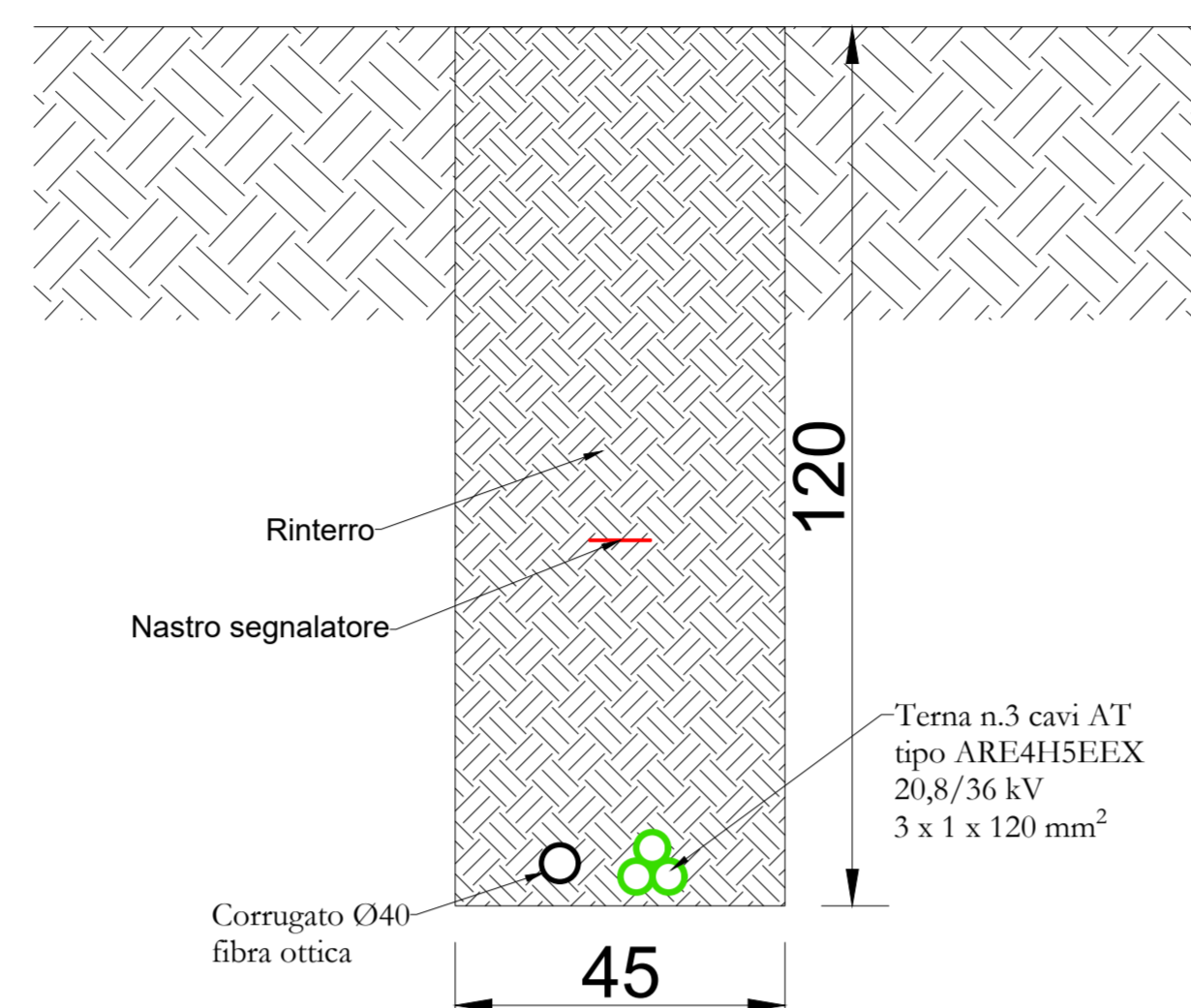
Scala 1:10 Sezione B-B

3x1x95 mm²
3x1x120 mm²



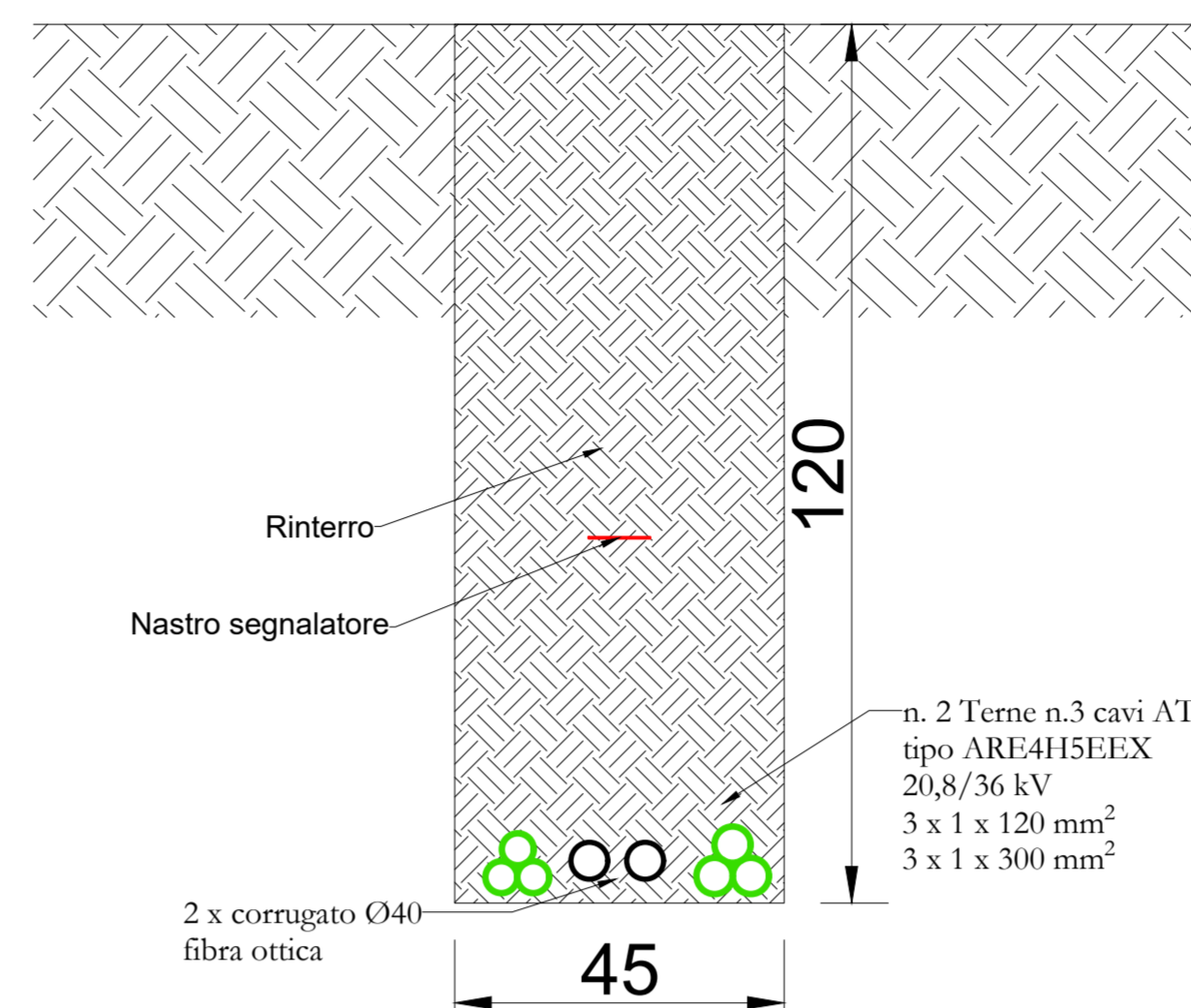
Scala 1:10 Sezione C-C

3x1x120 mm²



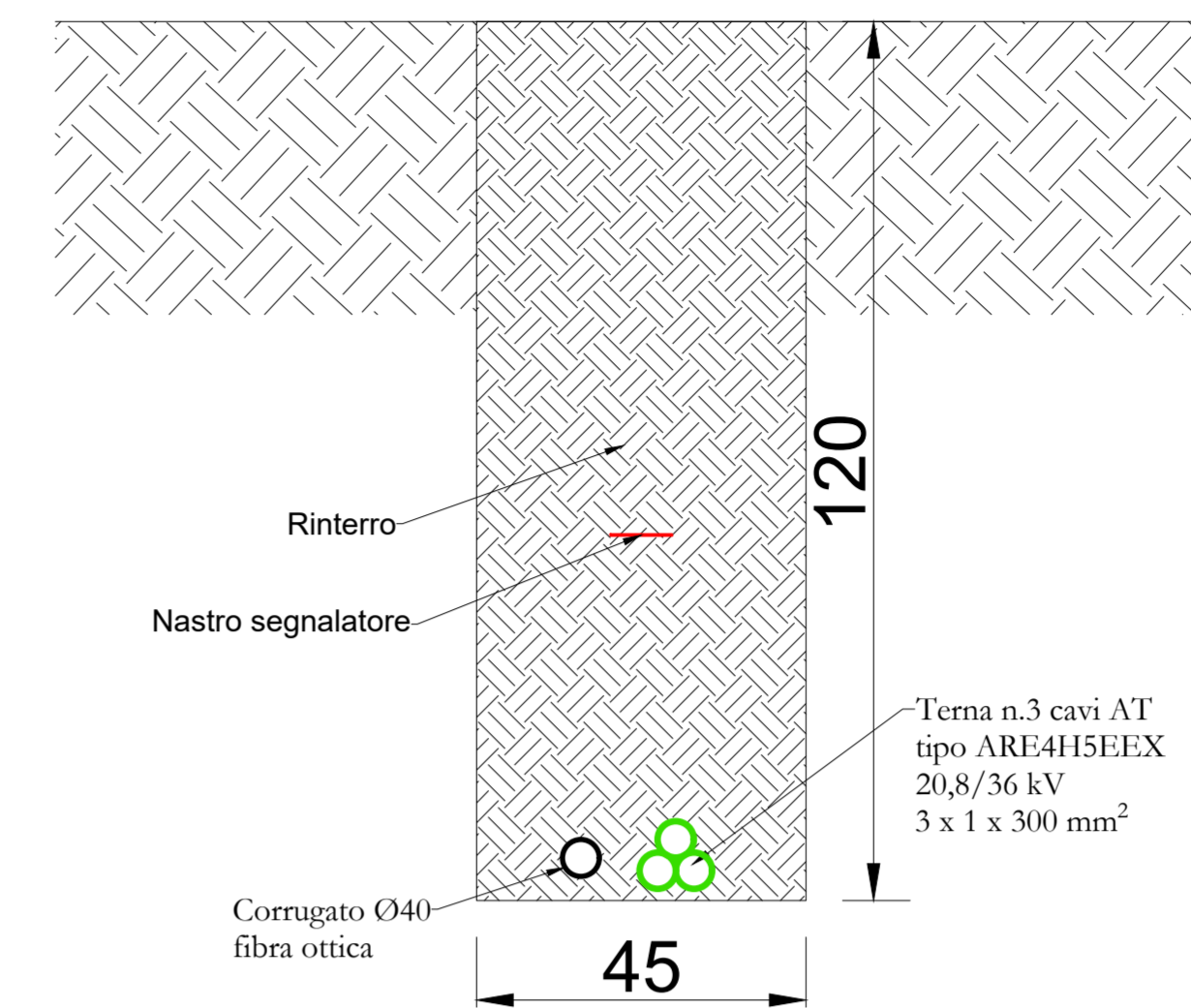
Scala 1:10 Sezione D-D

3x1x120 mm²
3x1x300 mm²



Scala 1:10 Sezione E-E

3x1x300 mm²

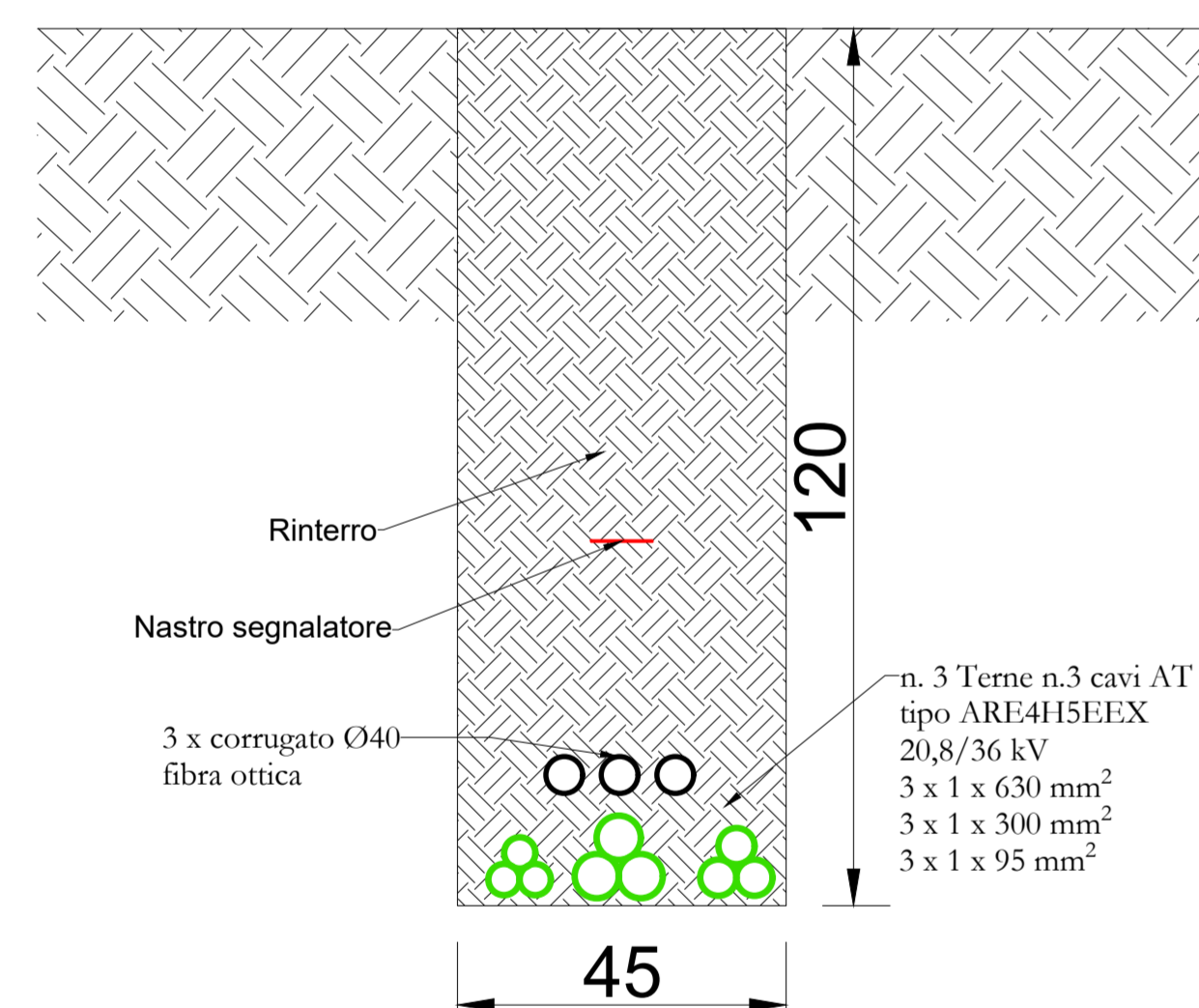


NOTE:

- Per la posizione delle varie sezioni di cavidotti rappresentate vedasi: "TUFDE_CAVT00700_00 - Planimetria su catastale - Cavidotto"
- Dove non espressamente specificato, le misure sono in centimetri.

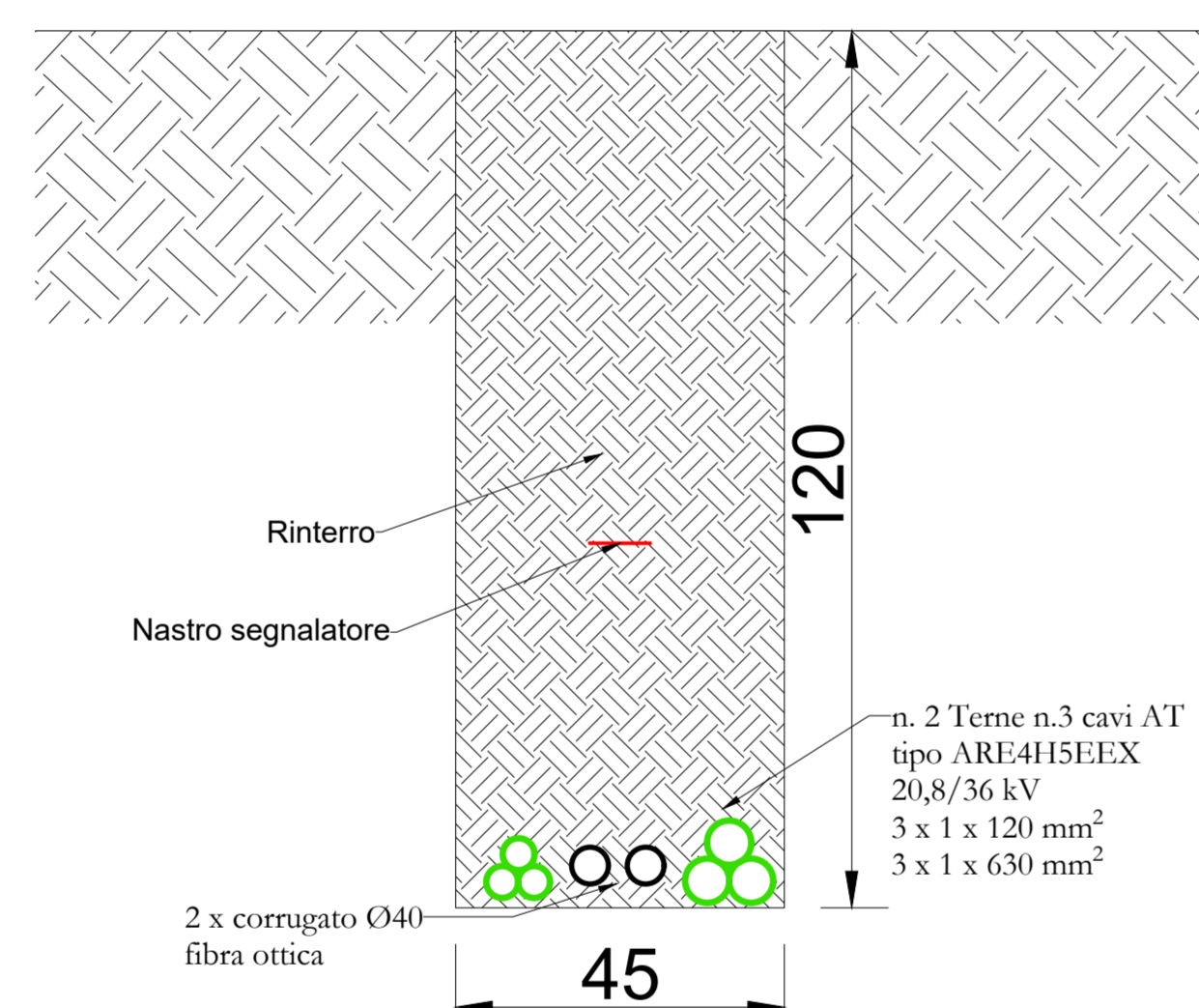
Scala 1:10 Sezione F-F

3x1x630 mm²
3x1x300 mm²
3x1x95 mm²



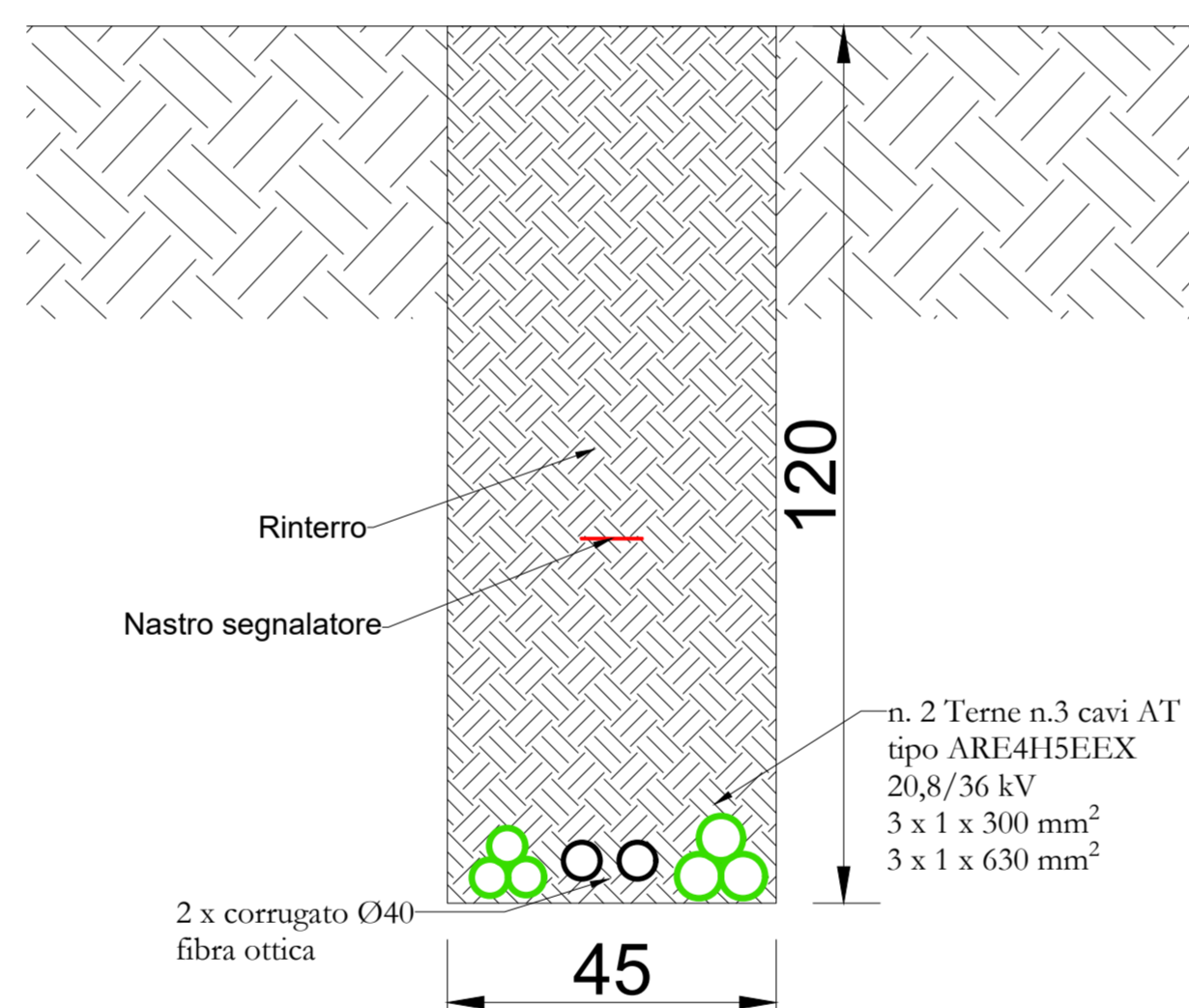
Scala 1:10 Sezione G-G

3x1x120 mm²
3x1x630 mm²



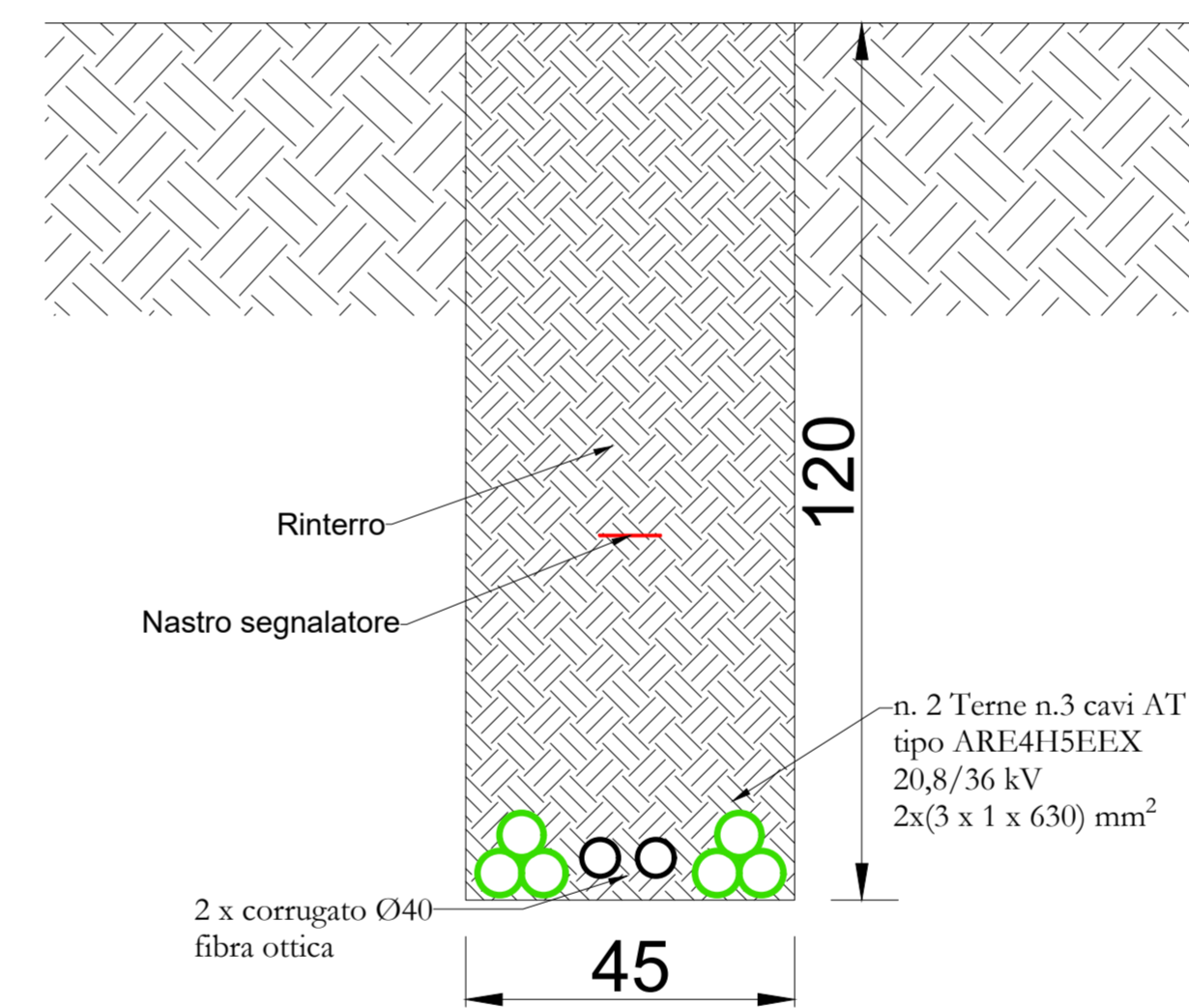
Scala 1:10 Sezione H-H

3x1x300 mm²
3x1x630 mm²



Scala 1:10 Sezione I-I

2x(3x1x630) mm²



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 standard.
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 U _m
Max operating temperature of conductor:	90 °C
Max short-circuit temperature:	250 °C (for max 5 s)
Max short-circuit temperature (screen):	150 °C

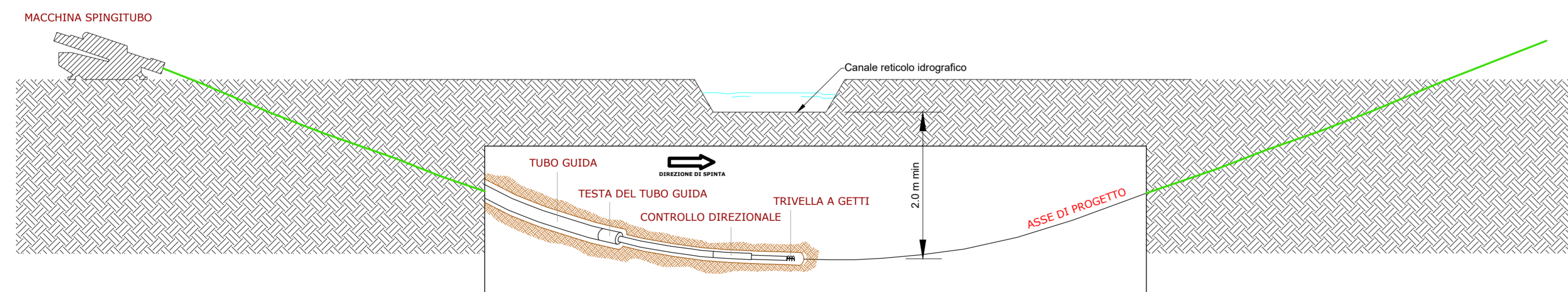
CONSTRUCTION

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

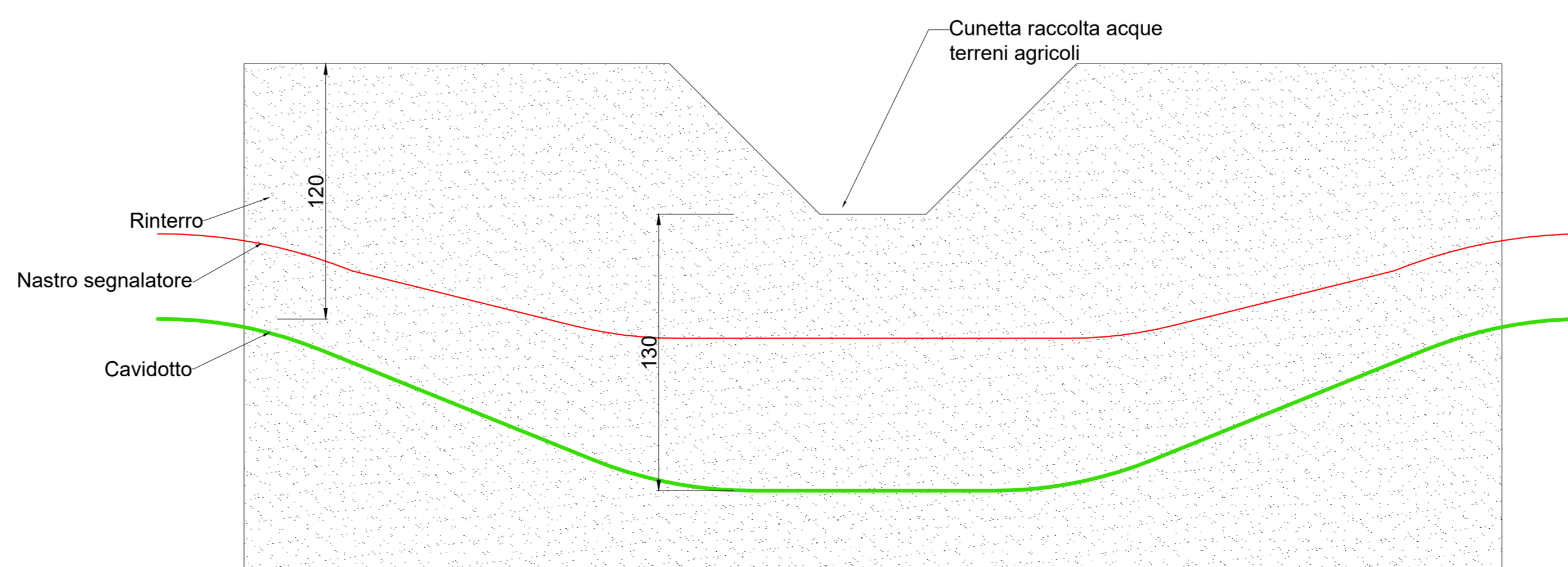
STANDARDS

Max pulling force during laying:	50 kN/m ² (applied on the conductors)	IEC 60840 where applicable (testing)
Min bending radius during laying:	21 D _{phase} (dynamic condition)	Nexans Design
Minimum temperature during laying:	-25 °C (cable temperature)	HD 620 where applicable (materials)
		CEI 20-68 where applicable (impact test)

Particolare A - Attraversamento con trivellazione orizzontale controllata



Particolare B - Attraversamento cunette - scala 1:20



AREN Green S.r.l.
Società soggetta alla direzione e coordinamento di AREN Electric Power S.p.A.
Sede legale e amministrativa: Via dell'Arrognoli n. 308 | 47522 Cesena (FC) | Ph. +39 0547 415245
Iscritta nel Registro delle Imprese della Romagna - Forlì-Cesena e Rimini | REA 326008 | C.F./P.Iva 04032170401

COMUNI DI FORENZA, PALAZZO SAN GERVASIO (PZ)
LOCALITÀ "TUFAROLI"

PROGETTO PER LA REALIZZAZIONE DI
IMPIANTO EOLICO
"TUFAROLI"

REDAZIONE /PROGETTISTA:
Aren Electric Power Spa
Società per Azioni con Unico Socio
Via dell'Arrognoli 308 - 47522 Cesena (FC)
Ph. +39 0547 415245 - Fax +39 0547 415274
P.Iva 03803880404
Registro delle Imprese di Forlì-Cesena R.E.A. 317048

TIMBRO E LIBRA PROGETTISTA:
Ing. Simack Ulivi
Ordre degli Ingegneri di Forlì-Cesena
Nim. 2866

TITOLO ELABORATO: **Dettagli costruttivi cavidotto AT**

CODICE ELABORATO: **TUFDE_CAVT008|00|00** | FORMATO: **A1** | SCALA: **1:10-1:20** | FASE: **PROGETTO DEFINITIVO**

REV.	DESCRIZIONE	DATA	REDATTO	VERIFICATO	APPROVATO
00	Prima emissione	09/11/2023	A.Lazar	S.Rightini	S.Ulivi
01					
02					
03					
04					

FILE: TUFDE_CAVT00800_00_Dettagli costruttivi cavidotto AT.dwg
LA DIFFUSIONE E RIPRODUZIONE, ANCHE PARZIALE, DI QUESTA TAVOLA E' VIETATA A TERMINI DI LEGGE