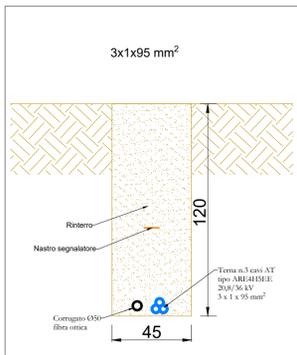
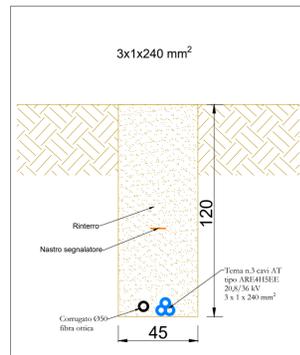


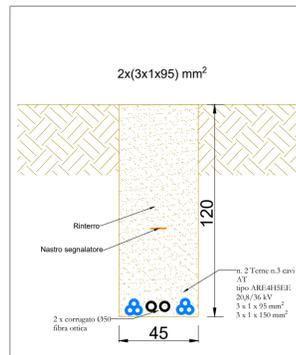
Sezione A-A



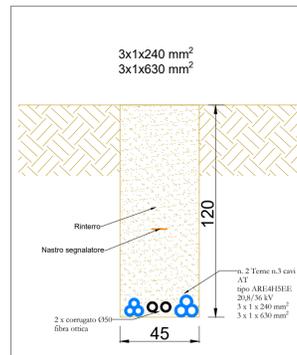
Sezione B-B



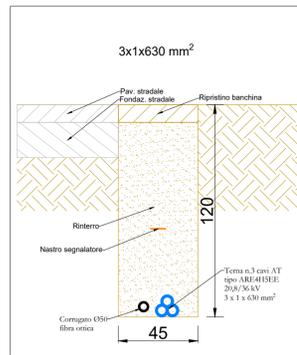
Sezione C-C



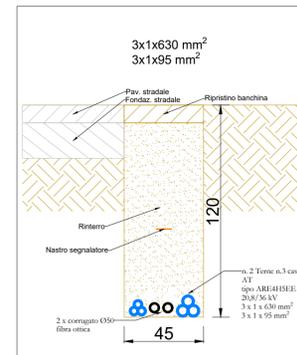
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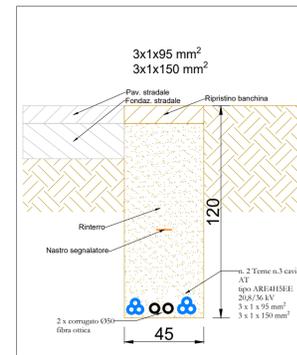
Sezione E-E



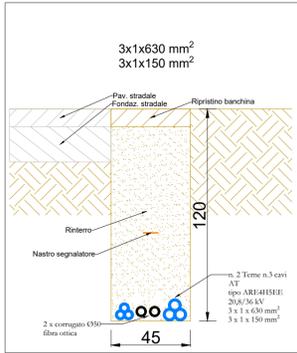
Sezione F-F



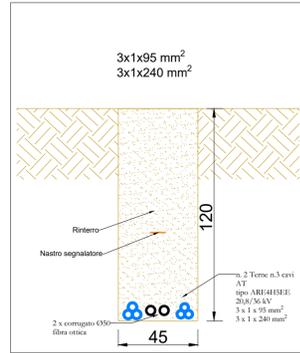
Sezione G-G



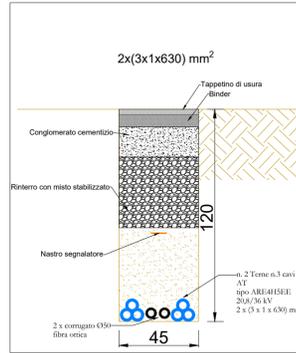
Sezione H-H



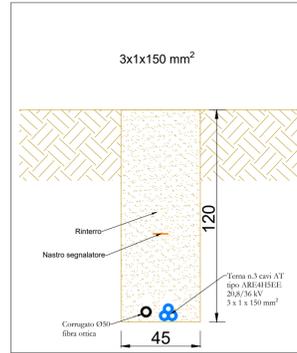
Sezione I-I



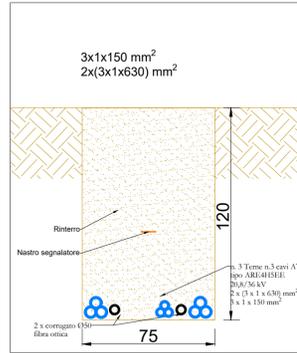
Sezione J-J



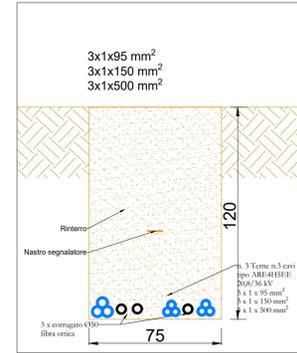
Sezione K-K



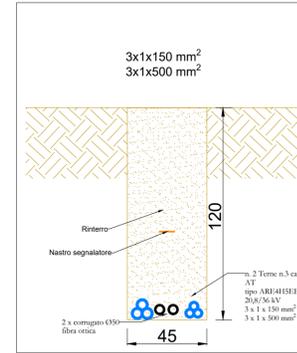
Sezione L-L



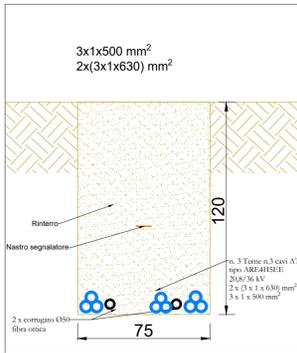
Sezione M-M



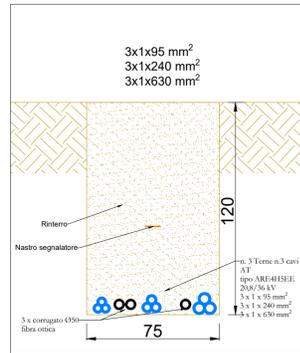
Sezione N-N



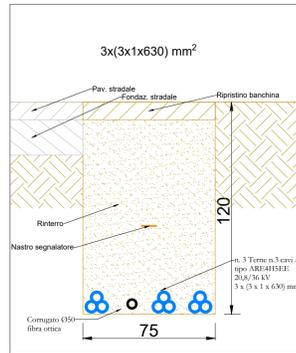
Sezione O-O



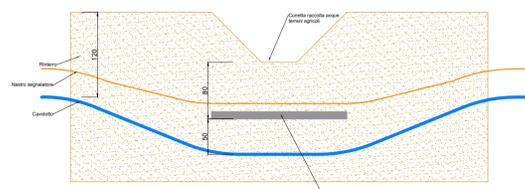
Sezione P-P



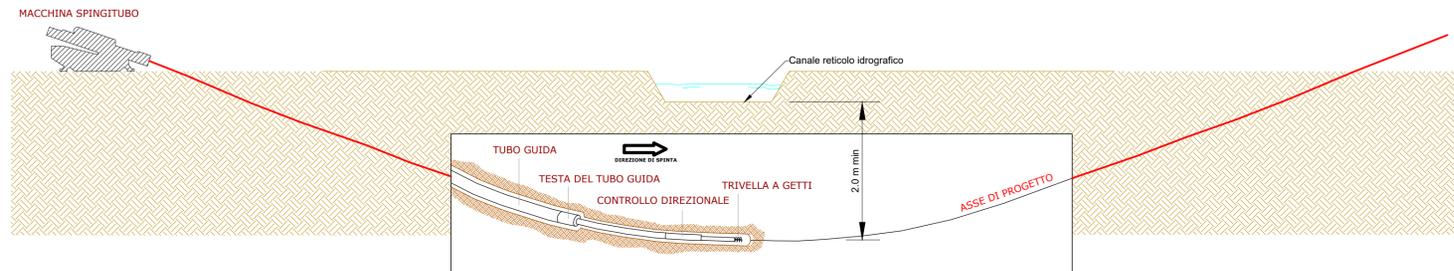
Sezione Q-Q



Particolare B - Attraversamento cunette - scala 1:200



Particolare A - Attraversamento con trivellazione orizzontale controllata


**ARE4H5EE**  
**20,8/36 kV**  
**1x... SK2**
**HIGH VOLTAGE CABLE**  
**SINGLE CORE CABLE 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 performances has been evaluated against mechanical protection by the abrasion test and the impact test included in CEI 20-68 standard.

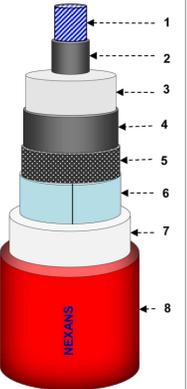
**This type of cable can be directly buried without additional protections because it is comparable to an armoured cable.**

**FUNCTIONAL CHARACTERISTICS**

Rated voltage $U_0/U$ :	20,8/36 kV
Maximum voltage $U_m$ :	42 kV
Test voltage:	2,5 $U_0$
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**

- Conductor**  
stranded, compacted, round, aluminium - class 2 acc. to IEC 60228
- Conductor screen**  
extruded semiconducting compound
- Insulation**  
extruded cross-linked polyethylene (XLPE) compound
- Insulation screen**  
extruded semiconducting compound - fully bonded
- Longitudinal watertightness**  
semiconducting water blocking tape
- Metallic screen and radial water barrier**  
aluminium tape longitudinally applied (nominal thickness = 0,20 mm)
- First sheath - 1**  
extruded PE compound
- Second sheath - 2**  
extruded PE compound - colour: red with improved impact resistance


**NOTA:**

Per la posizione delle varie sezioni di cavidotti rappresentate vedasi: "CANDE\_CAVT00700\_00 - Planimetria su catastale - Cavidotto"

**AREN ELECTRIC POWER S.p.A.**

Sede legale e operativa: Via dell'Arrigoni, 308 - 47522 Cesena (FC), Italia  
Codice Fiscale, P. IVA 03803880404

COMUNI DI CANOSA DI PUGLIA (BT), LAVELLO,  
MONTEMILONE e VENOSA (PZ)

LOCALITÀ "LOCONIA"

PROGETTO PER LA REALIZZAZIONE DI

IMPIANTO EOLICO

"CANOSA"

REDAZIONE /PROGETTISTA

**Aren Electric Power Spa**  
Società per Azioni con Unico Socio  
Via dell'Arrigoni 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 FIRMA PROGETTISTA

Ing. Sarnade Ulivi  
Online degli Ingegneri di Forlì-Cesena  
Mar. 2866

TITOLO ELABORATO

Dettagli costruttivi cavidotto AT

CODICE ELABORATO

CANDE\_CAVT1008|00|0|0|0

FORMATO

A1

SCALA

Varie

FASE

PROGETTO DEFINITIVO

REV.	DESCRIZIONE	DATA	REDATTO	VERIFICATO	APPROVATO
00	Prima emissione	26/08/2022	A.Lazar	L.Ensini	S.Ulivi
01					
02					
03					
04					

FILE: CANDE\_CAVT00800\_00\_Dettagli costruttivi cavidotto AT.dwg

LA DIFFUSIONE E RIPRODUZIONE, ANCHE PARZIALE, DI QUESTA TAVOLA E' VIETATA A TERMINI DI LEGGE