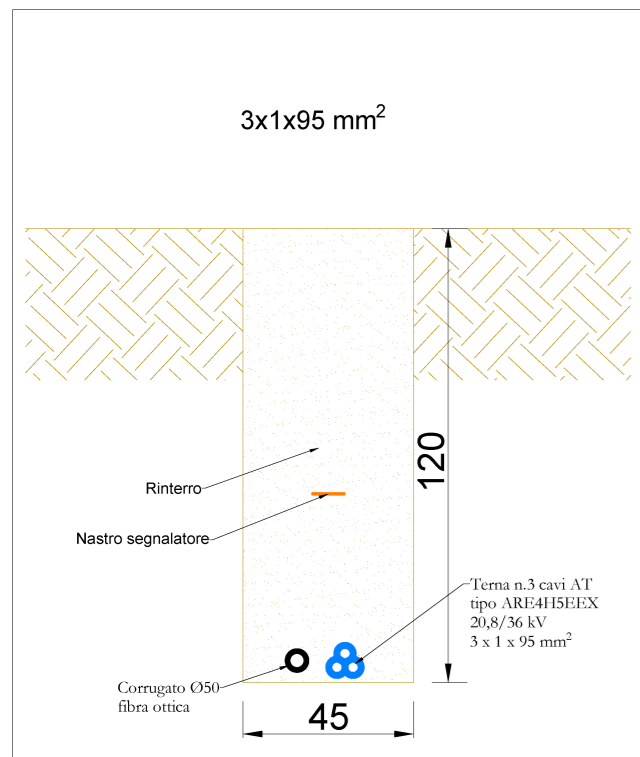
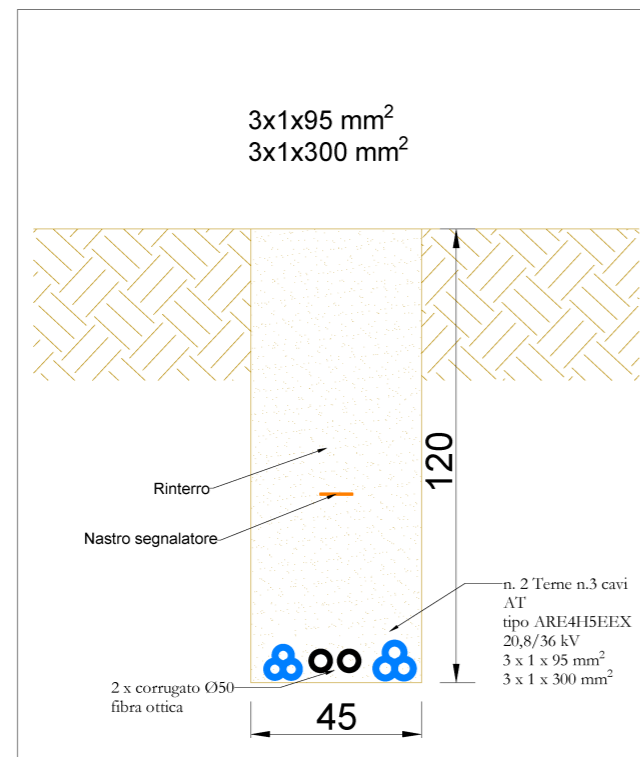


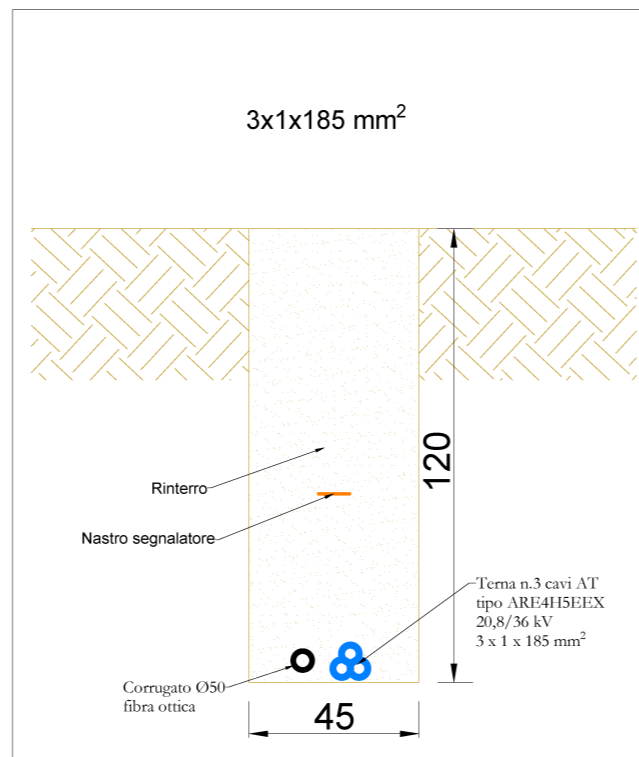
Sezione A-A



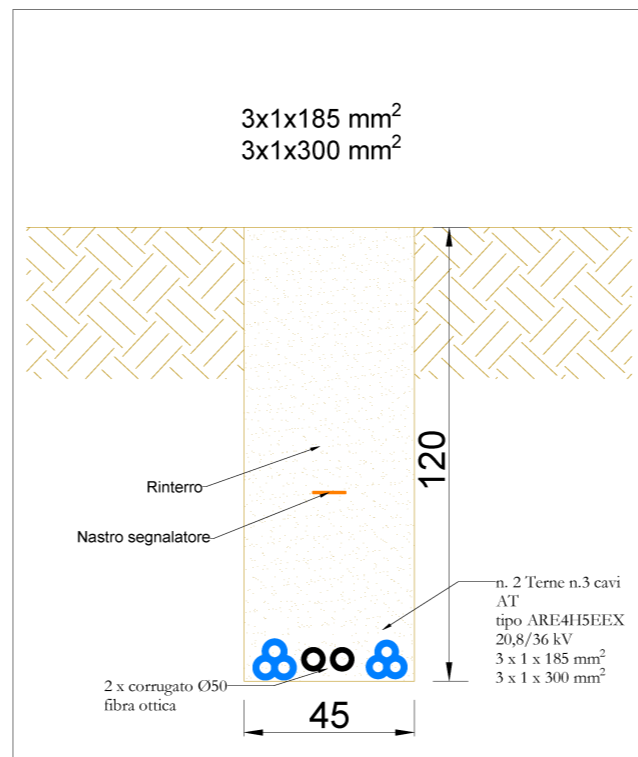
Sezione B-B



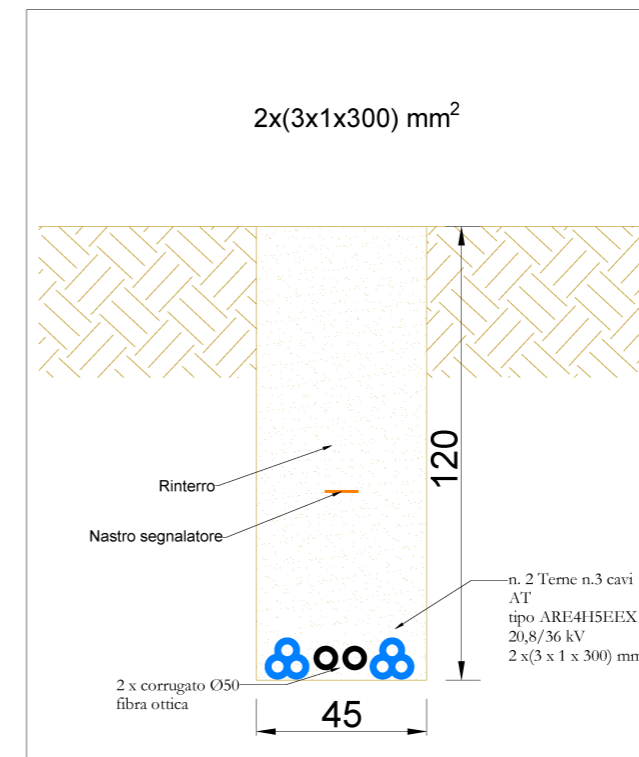
Sezione C-C



Sezione D-D



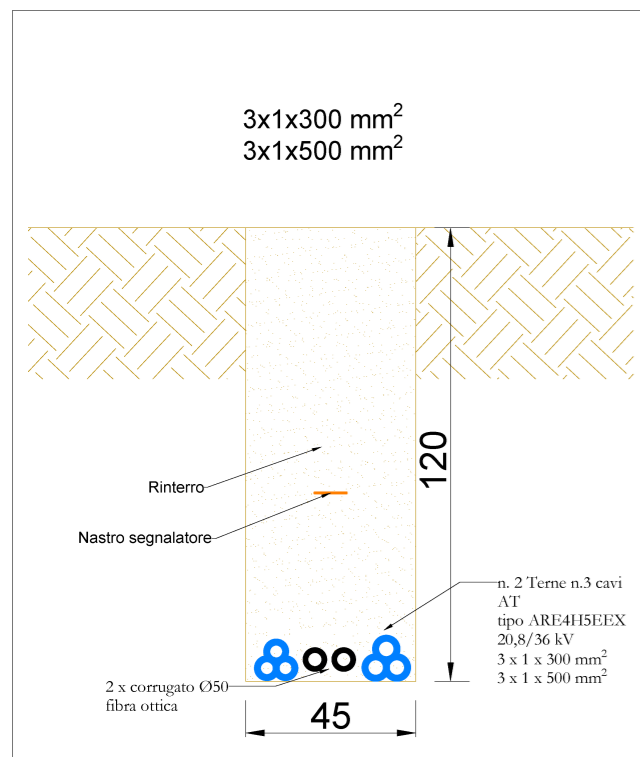
Sezione E-E



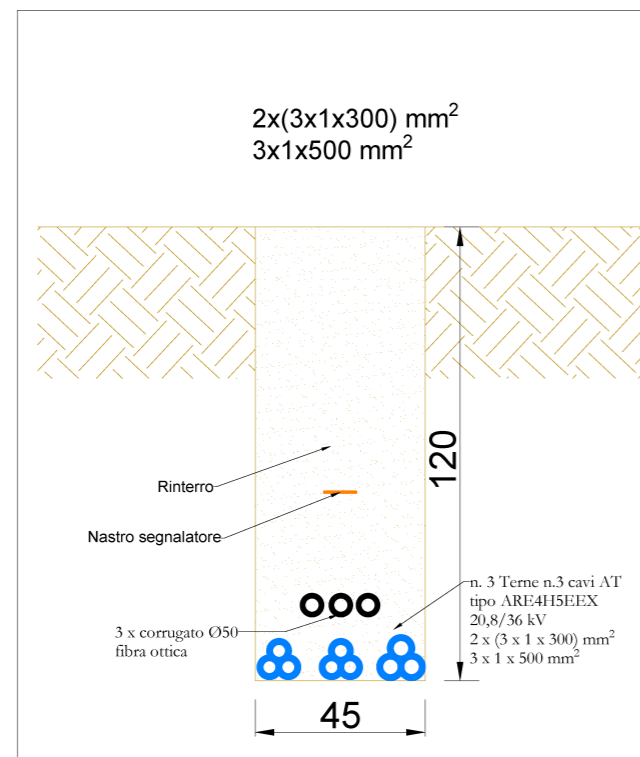
**NOTA:**

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

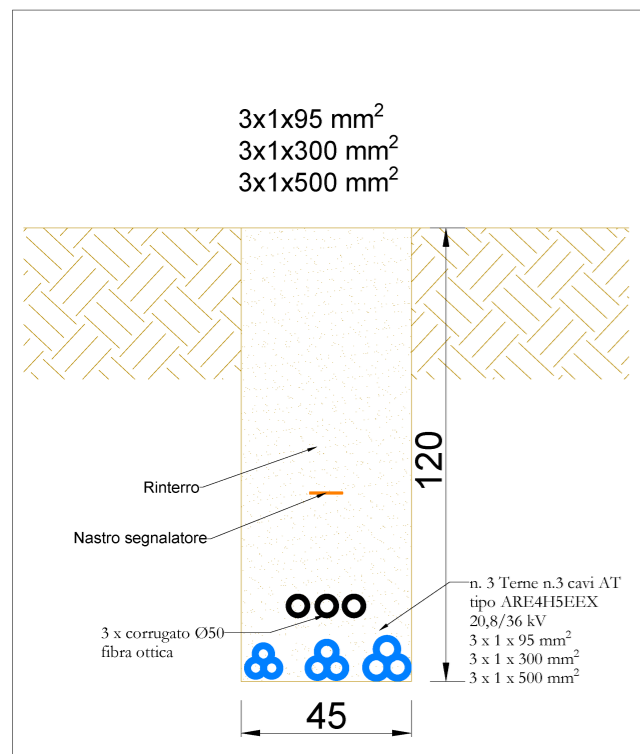
Sezione F-F



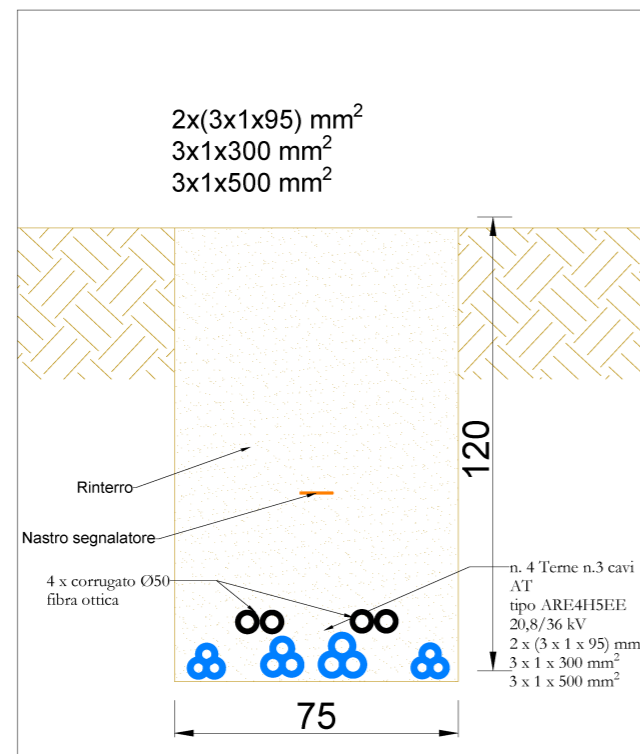
Sezione G-G



Sezione H-H



Sezione I-I



**ARE4H5EEEX**  
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 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 <sub>0</sub> /U <sub>m</sub> :	20,8/36 kV
Maximum voltage U <sub>m</sub> :	42 kV
Test voltage:	2,5 U <sub>0</sub>
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**

**Max pulling force during laying**  
50 N/mm<sup>2</sup> (applied on the conductors)  
**Min bending radius during laying**  
21 D<sub>phase</sub> (dynamic condition)  
**Minimum temperature during laying**  
-25 °C (cable temperature)

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

**AREN Green S.r.l.**

Sede legale e operativa: Via dell'Arrigoni, 308 - 47522 Cesena (FC), Italia  
Codice Fiscale, P. IVA 04032170401

COMUNI DI BANZI, PALAZZO SAN GERVASIO (PZ)  
SPINAZZOLA (BT)  
LOCALITA' "PIANO MADAMA GIULIA"

PROGETTO PER LA REALIZZAZIONE DI  
**IMPIANTO EOLICO**  
**"PIANO MADAMA GIULIA"**

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. Samuele Ulivi  
Ordine degli Ingegneri di Forlì-Cesena  
Matr. 2866

TITOLO ELABORATO:  
Dettagli costruttivi cavidotto AT

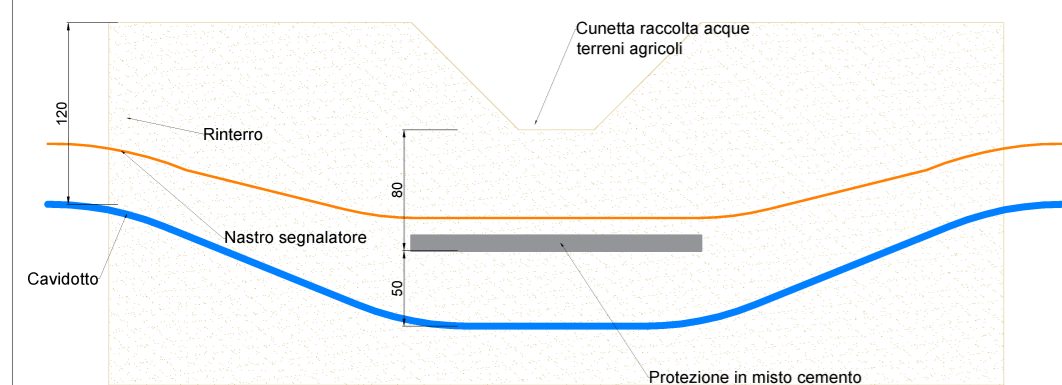
CODICE ELABORATO:	FORMATO:	SCALA:	FASE:
PMGDE_CAVT008 00 00	A2	Varie	PROGETTO DEFINITIVO

REV.	DESCRIZIONE	DATA	REDATTO	VERIFICATO	APPROVATO
00	Prima emissione	20/12/2022	A.Lazar	L.Ensini	S.Ulivi
01					
02					
03					
04					

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

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

Particolare B - Attraversamento cunette - scala 1:200



Particolare A - Attraversamento con trivellazione orizzontale controllata

