

WIND FARM "SELVA PIANA"

Layout Sottostazione Elettrica



EDIC.	DATE	DRAWN	CHECKED	REVISED-EDPR	MODIFICATION	DATE	SCALE	---
D						10/19	DRAWN	MED
C						10/19	CHECKED	MM
B						10/19	REVISED-EDPR	FS
A	10/10/19	MED	MM	FS	PRIMA EMISSIONE			

		ING. MASSIMO MAGNOTTA	
WIND FARM "SELVA PIANA"		CAD Vers.: A	Page Vers.: A
LAYOUT SOTTOSTAZIONE ELETTRICA		Name Collection	Page: A0
San Severo (Regione Puglia)		SSE	Cont: ---
		CAD N°: OW904002300DS0GL01A	

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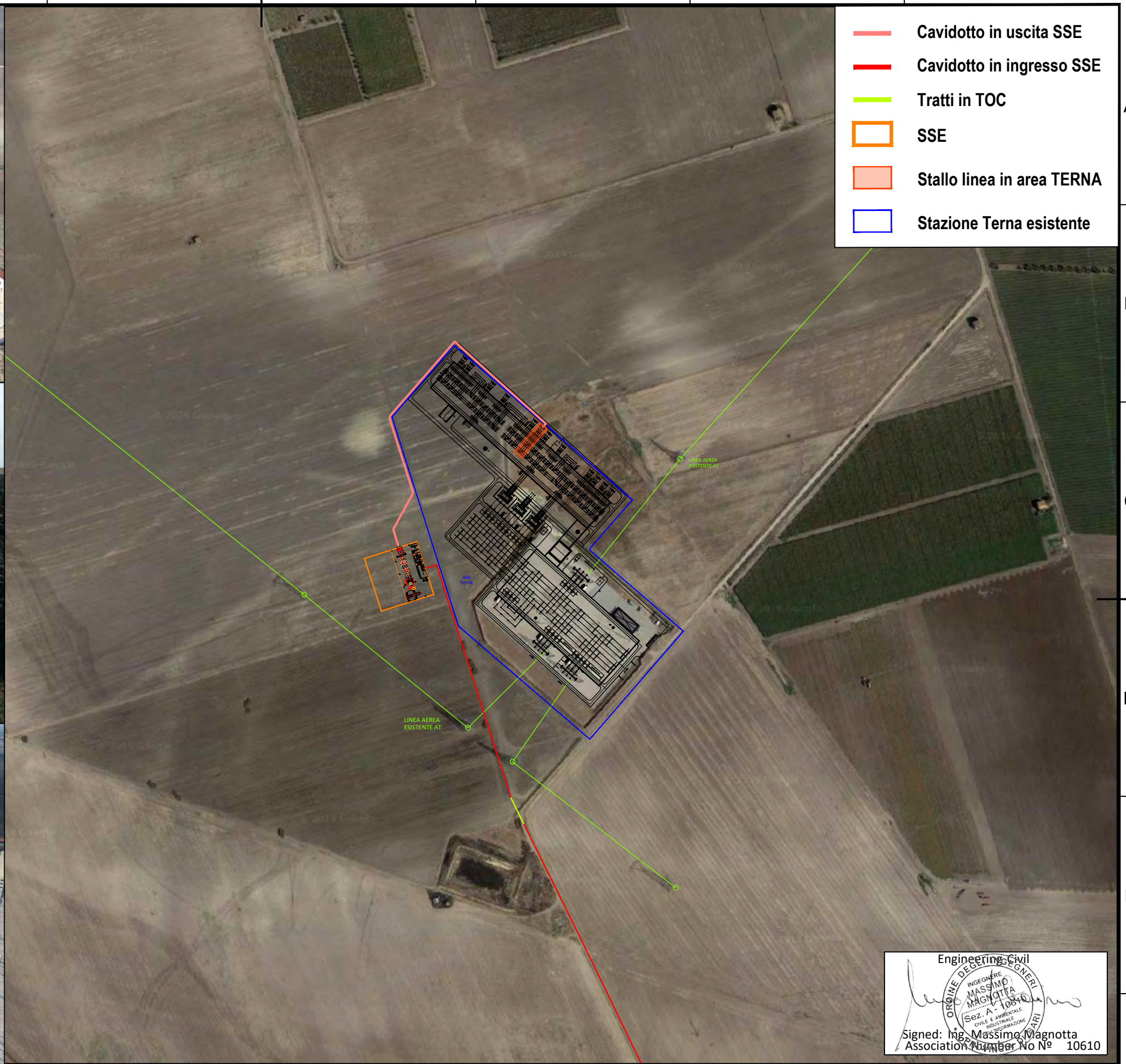
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 Sez. A - 10610
 Signed: Ing. Massimo Magnotta
 Association Number No N° 10610

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DATE	SCALE	1/5.000
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10/19	REVISED-EDPR	FS
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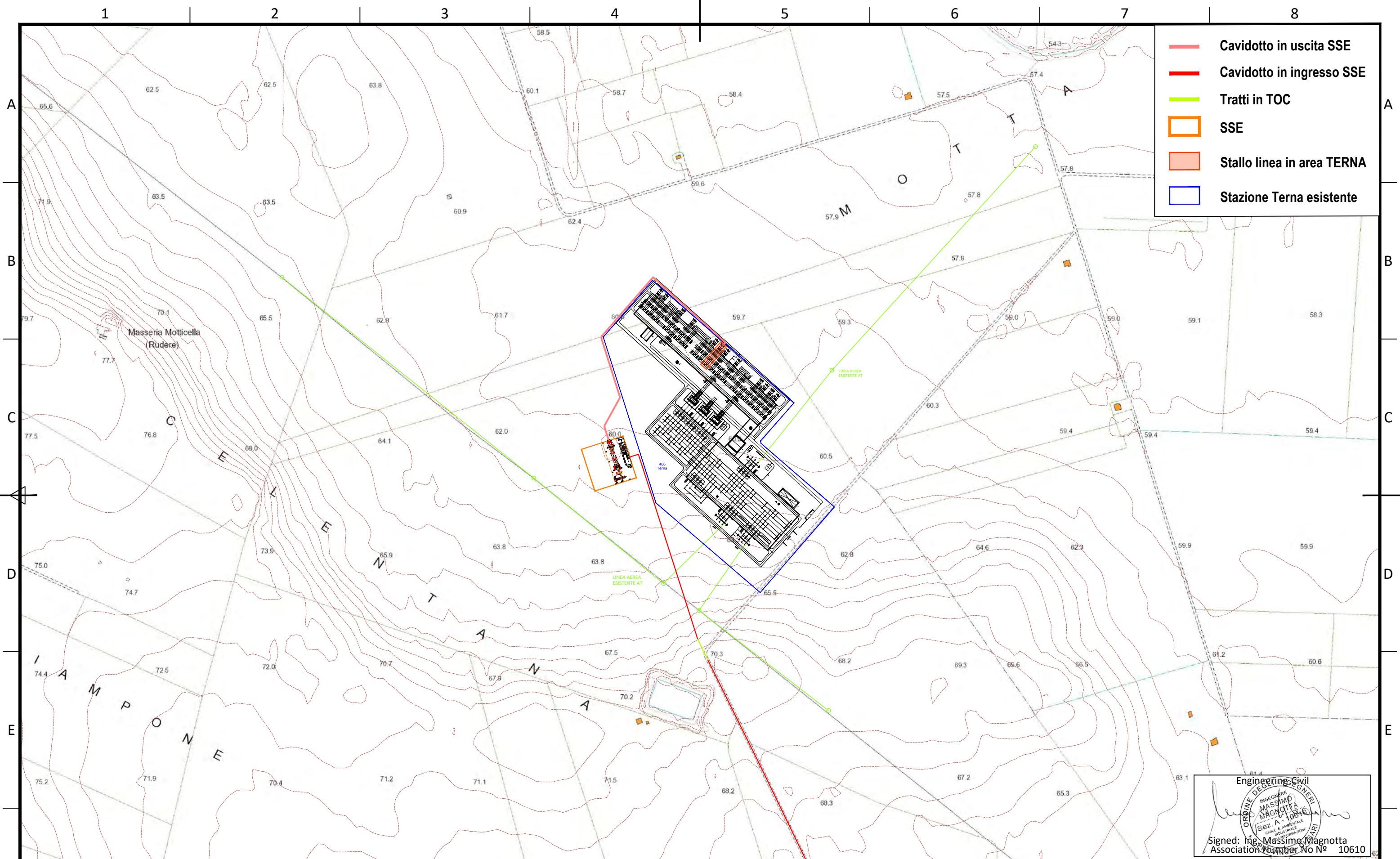
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WIND FARM "SELVA PIANA"

LAYOUT SOTTOSTAZIONE SU ORTOFOTO
 San Severo (Regione Puglia)

ING. MASSIMO MAGNOTTA	
CAD Vers.: A	Page Vers.: A
Name Collection SSE	Page: 01 Cont: 01 di 07
CAD N°: OW904002300DS0GL01A	

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- Cavidotto in uscita SSE
- Cavidotto in ingresso SSE
- Tratti in TOC
- SSE
- Stallo linea in area TERNA
- Stazione Terna esistente

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 Sez. A - 10610
 CIVILE E AMBIENTALE
 ASSOCIAZIONE INGEGNERI
 Firmato: Ing. Massimo Magnotta
 Association Number No N° 10610

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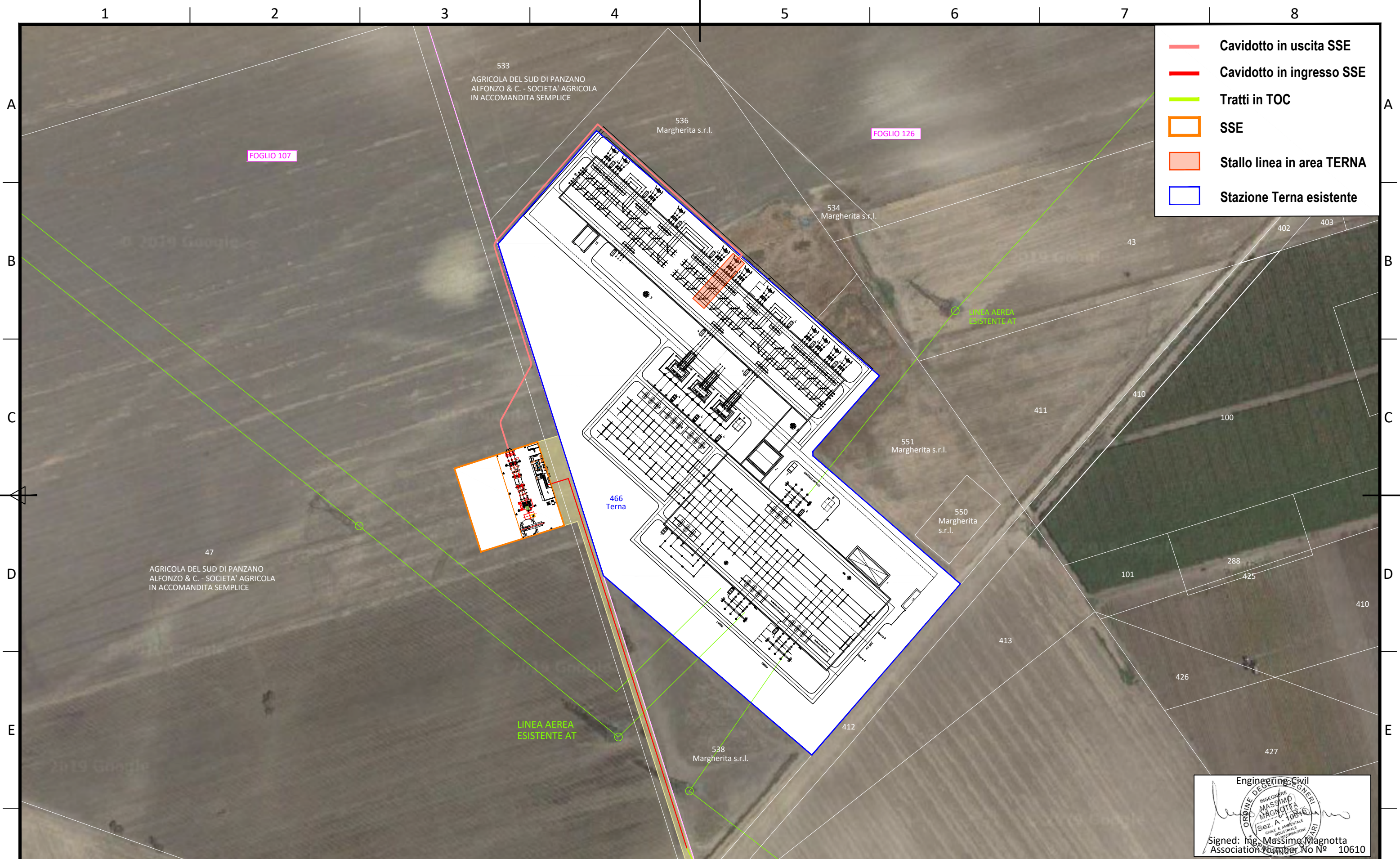
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WIND FARM "SELVA PIANA"

LAYOUT SOTTOSTAZIONE SU CTR
San Severo (Regione Puglia)

ING. MASSIMO MAGNOTTA	
CAD Vers.: A	Page Vers.: A
Name Collection SSE	Page: 03 Cont: 03 di 07
CAD N°: OW904002300DS0GL01A	



- Cavidotto in uscita SSE
- Cavidotto in ingresso SSE
- Tratti in TOC
- SSE
- Stallo linea in area TERNA
- Stazione Terna esistente


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 Association Number No. 10610

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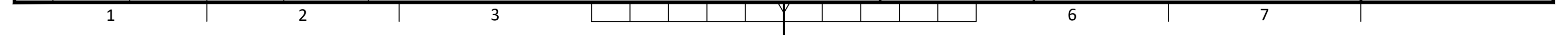
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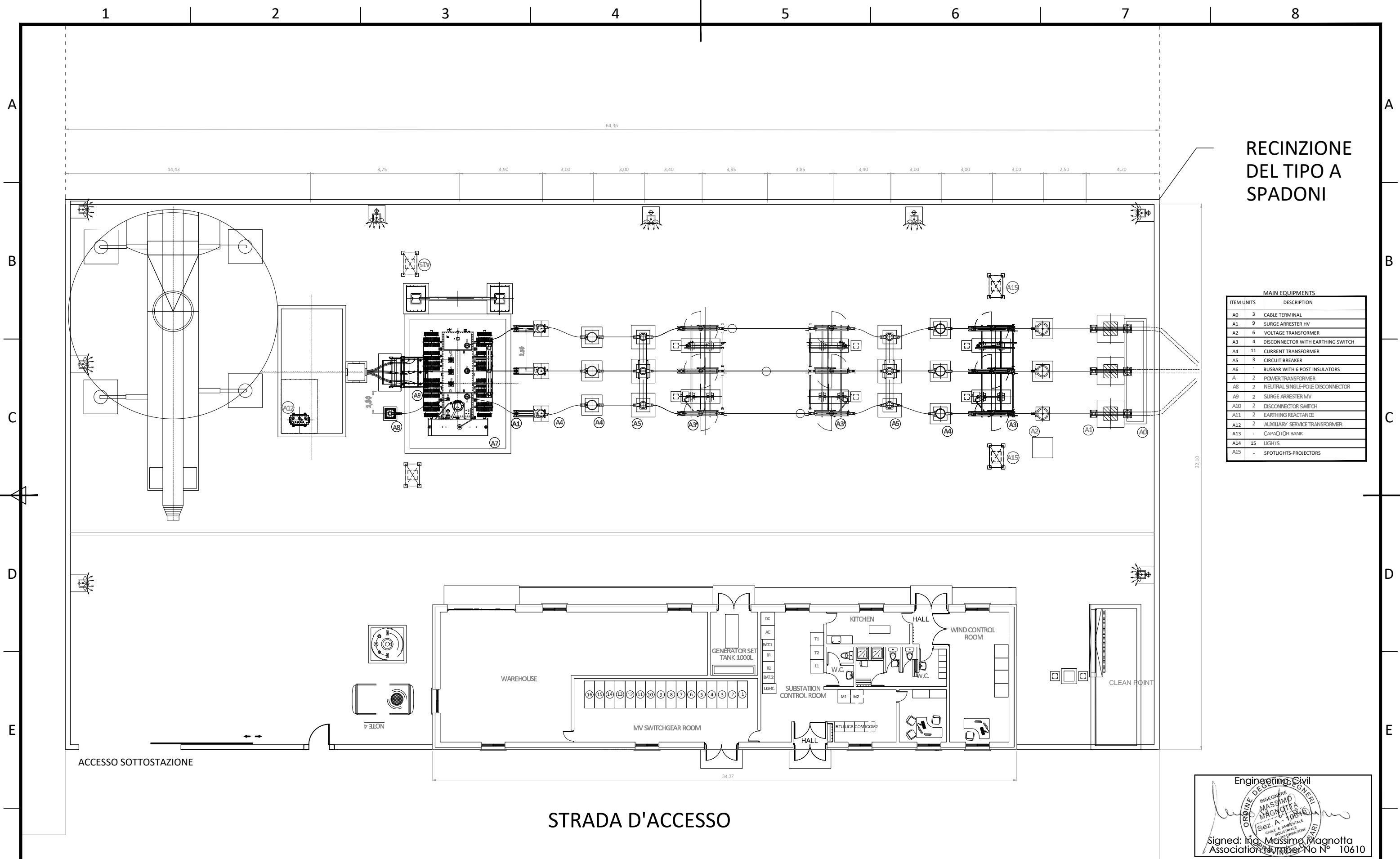


WIND FARM "SELVA PIANA"

PLANIMETRIA SOTTOSTAZIONE ELETTRICA
San Severo (Regione Puglia)

ING. MASSIMO MAGNOTTA	
CAD Vers.: A	Page Vers.: A
Name Collection SSE	Page: 04 Cont: 04 di 07
CAD No.: OW904002300DS0GL01A	





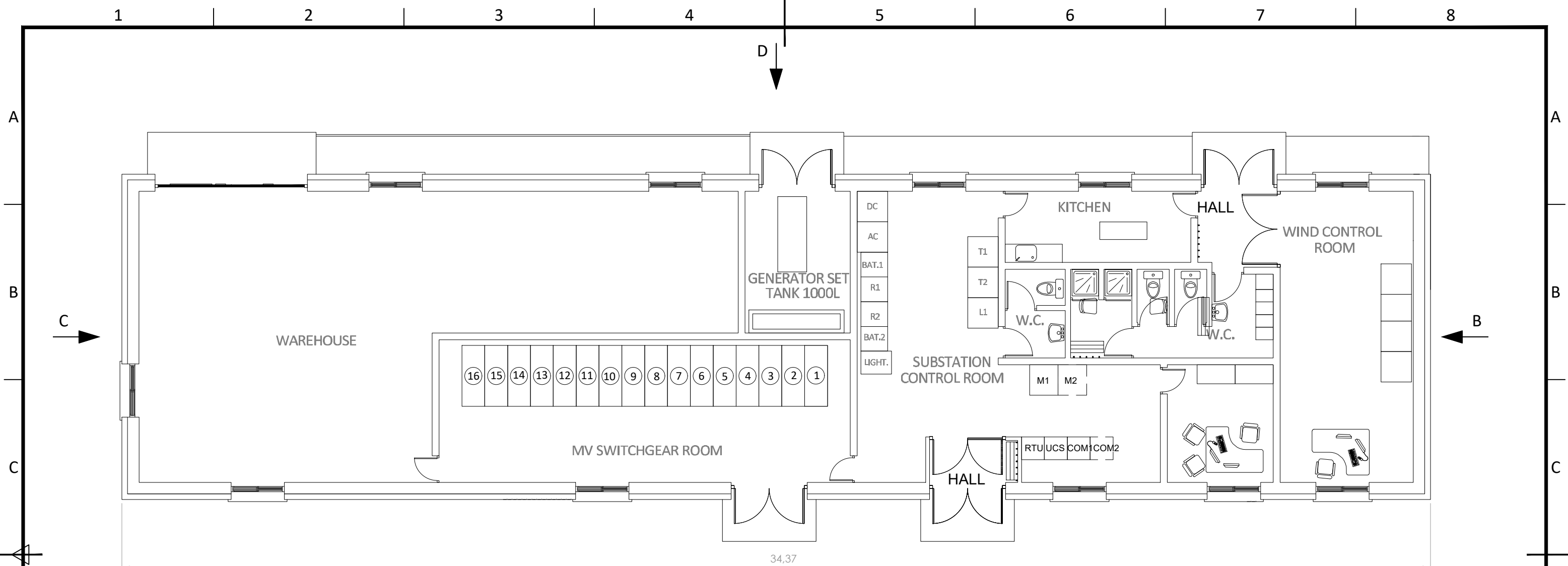
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MAIN EQUIPMENTS	
ITEM UNITS	DESCRIPTION
A0	3 CABLE TERMINAL
A1	9 SURGE ARRESTER HV
A2	6 VOLTAGE TRANSFORMER
A3	4 DISCONNECTOR WITH EARTHING SWITCH
A4	11 CURRENT TRANSFORMER
A5	3 CIRCUIT BREAKER
A6	BUSBAR WITH 6 POST INSULATORS
A	2 POWER TRANSFORMER
A8	2 NEUTRAL SINGLE-POLE DISCONNECTOR
A9	2 SURGE ARRESTER MV
A10	2 DISCONNECTOR SWITCH
A11	2 EARTHING REACTANCE
A12	2 AUXILIARY SERVICE TRANSFORMER
A13	CAPACITOR BANK
A14	15 LIGHTS
A15	SPOTLIGHTS-PROJECTORS

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 Association Number No N° 10610

D						DATE	SCALE 1/200	 Wind Farm "SELVA PIANA" LAYOUT SOTTOSTAZIONE - PIANTA San Severo (Regione Puglia)	ING. MASSIMO MAGNOTTA
C						14/19	DRAWN MED		CAD Vers.: A Page Vers.: A
B						14/19	CHECKED MM		Name Collection Page: 05
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EDIC.	DATE	DRAWN	CHECKED	REVISED-EDPR	MODIFICATION		Format A3	CAD N°: OW904002300DS0GL01A	



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CUBICLES IN SWITCHGEAR ROOM	
BUSBAR 1	
1	Circuit 1 WF "A"
2	Circuit 2 WF "A"
3	Circuit 3 WF "A"
4	-
5	Capacitor bank protection
6	Auxiliary service transformer
7	Measurement
8	Power transformer protection
COUPLING BETWEEN BUSBARS	
9	Coupling
10	Riser
BUSBAR 2	
11	Power transformer protection
12	Measurement
13	Capacitor bank protection
14	Auxiliary service transformer
15	Circuit 1 WF "B"
16	Circuit 2 WF "B"

Design for 1WF and 2 power transformer

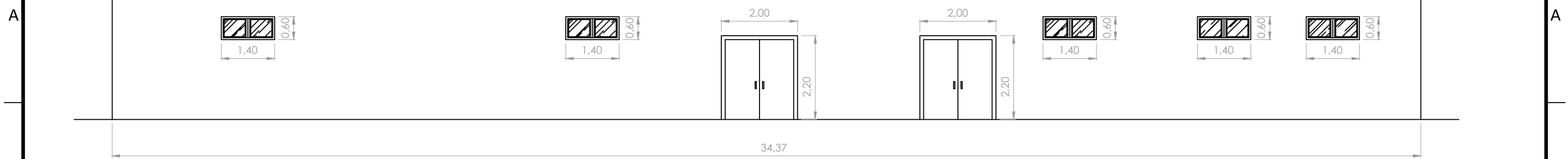
EQUIPMENTS IN SUBSTATIONS' CONTROL ROOM	
PROTECTION PANELS	
T1	Transformer 1
T2	Transformer 2
L1	Line 1
INTEGRATED CONTROL SYSTEM PANELS	
COM1	Communication panel for utility 1
COM2	Communication panel for utility 2
UCS	Substation scada system
RTU	Communication panel for EDPR
M1	Measurement 1
M2	Measurement 2
AUXILIARY SERVICES PANELS AND EQUIPMENTS	
R1	Rectifier 1
R2	Rectifier 2
A.C.	Auxiliary services A.C.
D.C.	Auxiliary services D.C.
BAT1	Battery charger 1
BAT2	Battery charger 1
LIGHT	Light

CONTROL BUILDING AREAS	
Wind Control Room	26,7m2
WC 1	12,2m2
WC 2	3,7m2
Kitchen	9,1m2
Substation Contol Room	38,5m2
Generator Set	10,3m2
Warehouse	88,8m2
Switchgear Room	40,5m2

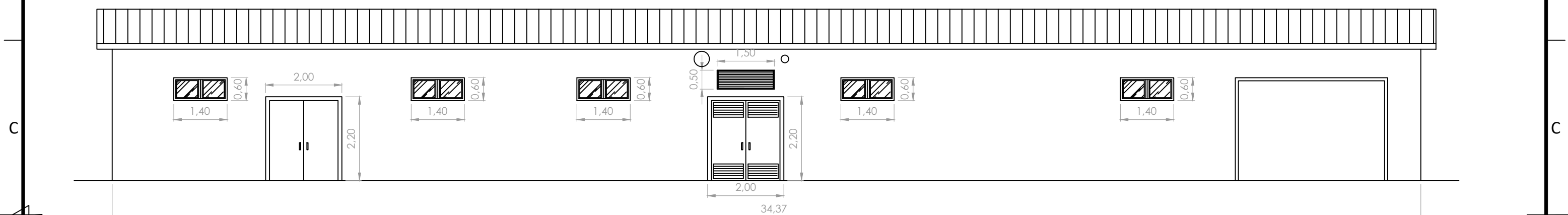
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 INGEGNERE
 MASSIMO MAGNOTTA
 Sez. A - 10610
 CIRCOLO PROFESSIONALISTICO
 CIVILE E AMBIENTALE
 ASSOCIAZIONE ITALIANA
 INGEGNERI
 Signed: Ing. Massimo Magnotta
 Association Number No N° 10610

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EDIC.	DATE	DRAWN	CHECKED	REVISED-EDPR	MODIFICATION		Format A3	EDIFICIO DI CONTROLLO - PIANTA San Severo (Regione Puglia)	
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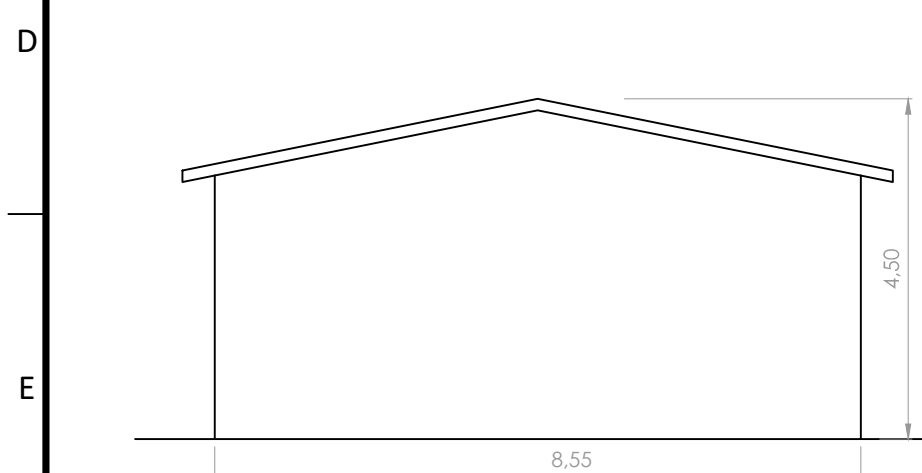
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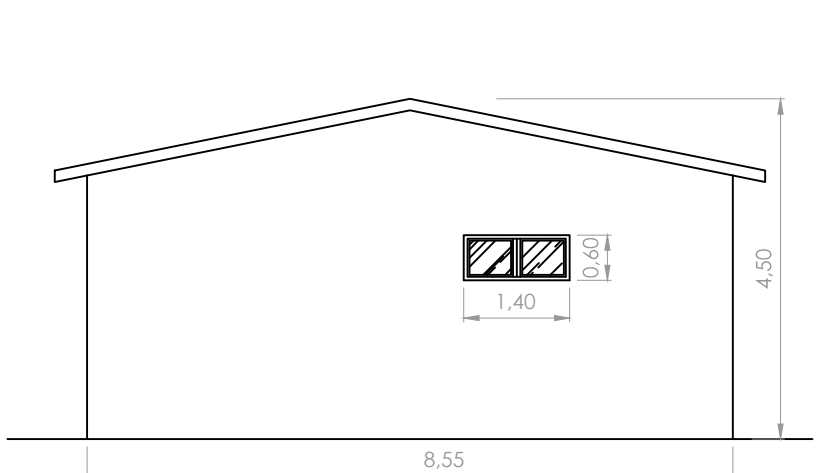
"A" VIEW



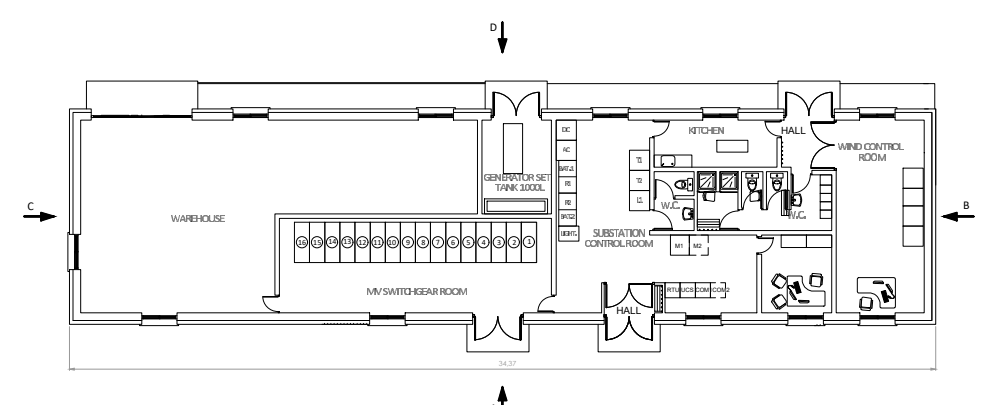
"D" VIEW



"B" VIEW



"C" VIEW



Engineering Civil
 MASSIMO MAGNOTTA
 Sez. A - 10610
 CIVILE E AMBIENTALE
 INGEGNERIA
 Signed: Ing. Massimo Magnotta
 Association Number No N° 10610

D						DATE	SCALE 1/100	 Wind Farm "SELVA PIANA" EDIFICIO DI CONTROLLO - PROSPETTI San Severo (Regione Puglia)	ING. MASSIMO MAGNOTTA	
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EDIC.	DATE	DRAWN	CHECKED	REVISED-EDPR	MODIFICATION		Format A3	CAD N°: OW904002300DS0GL01A		

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