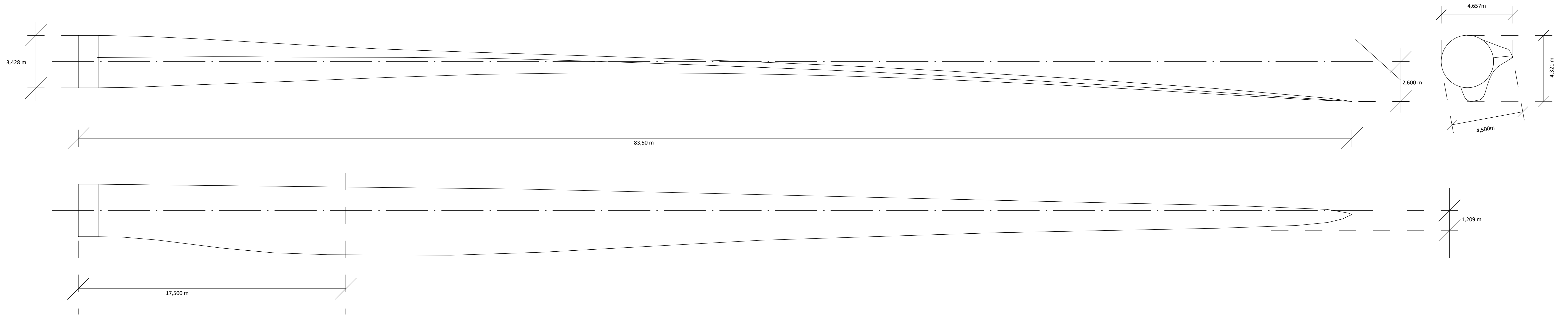
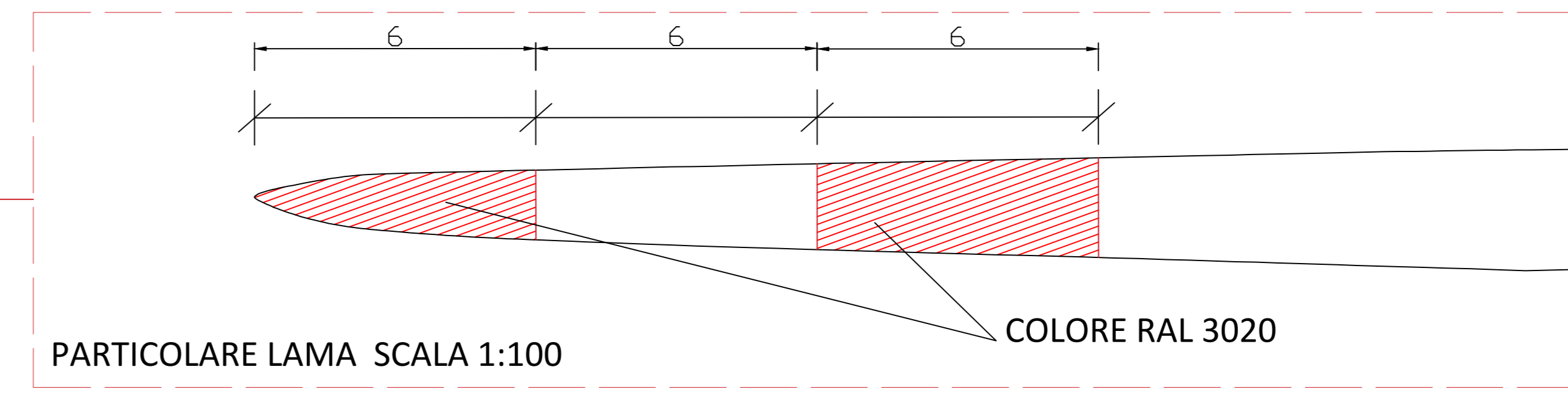
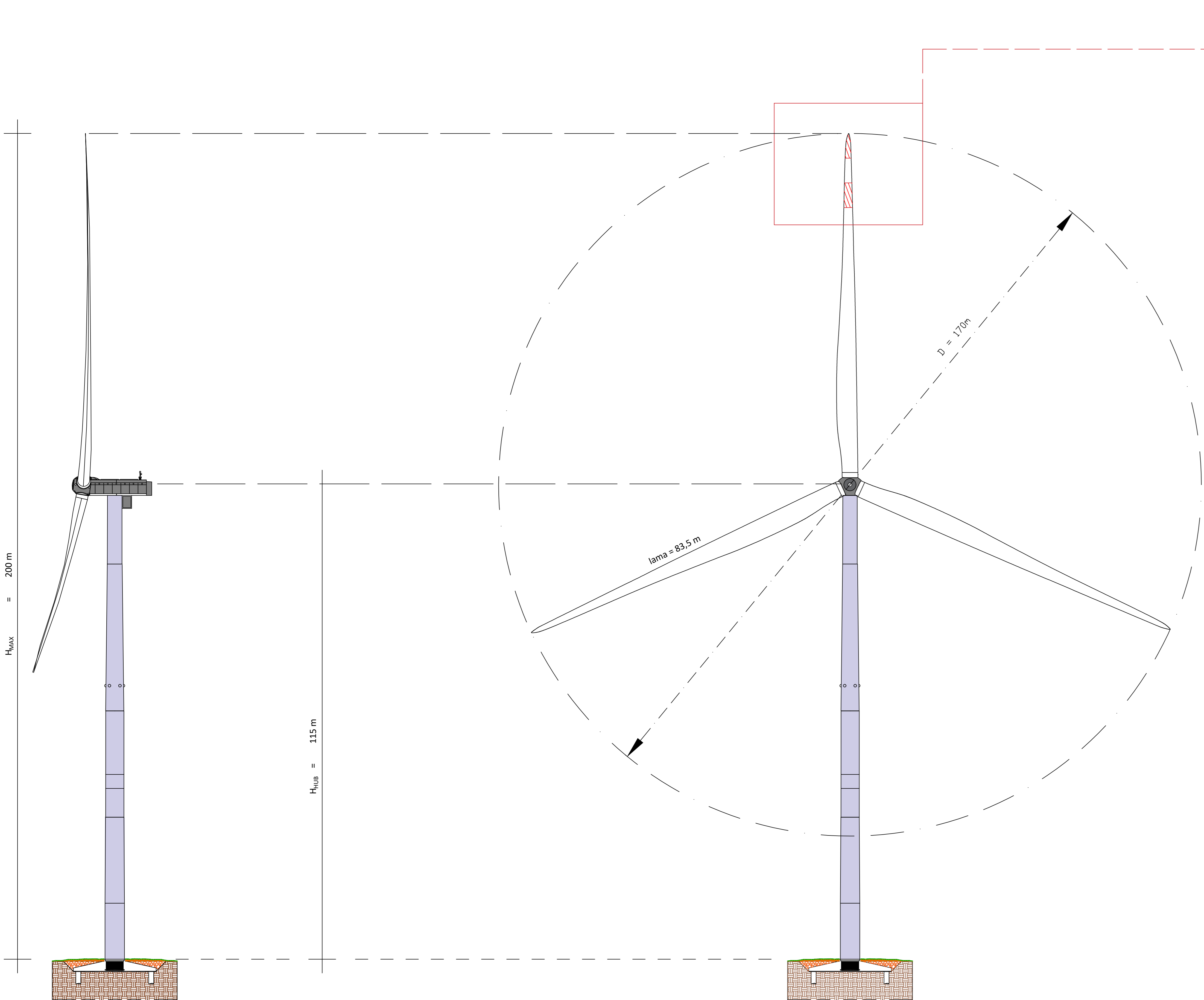


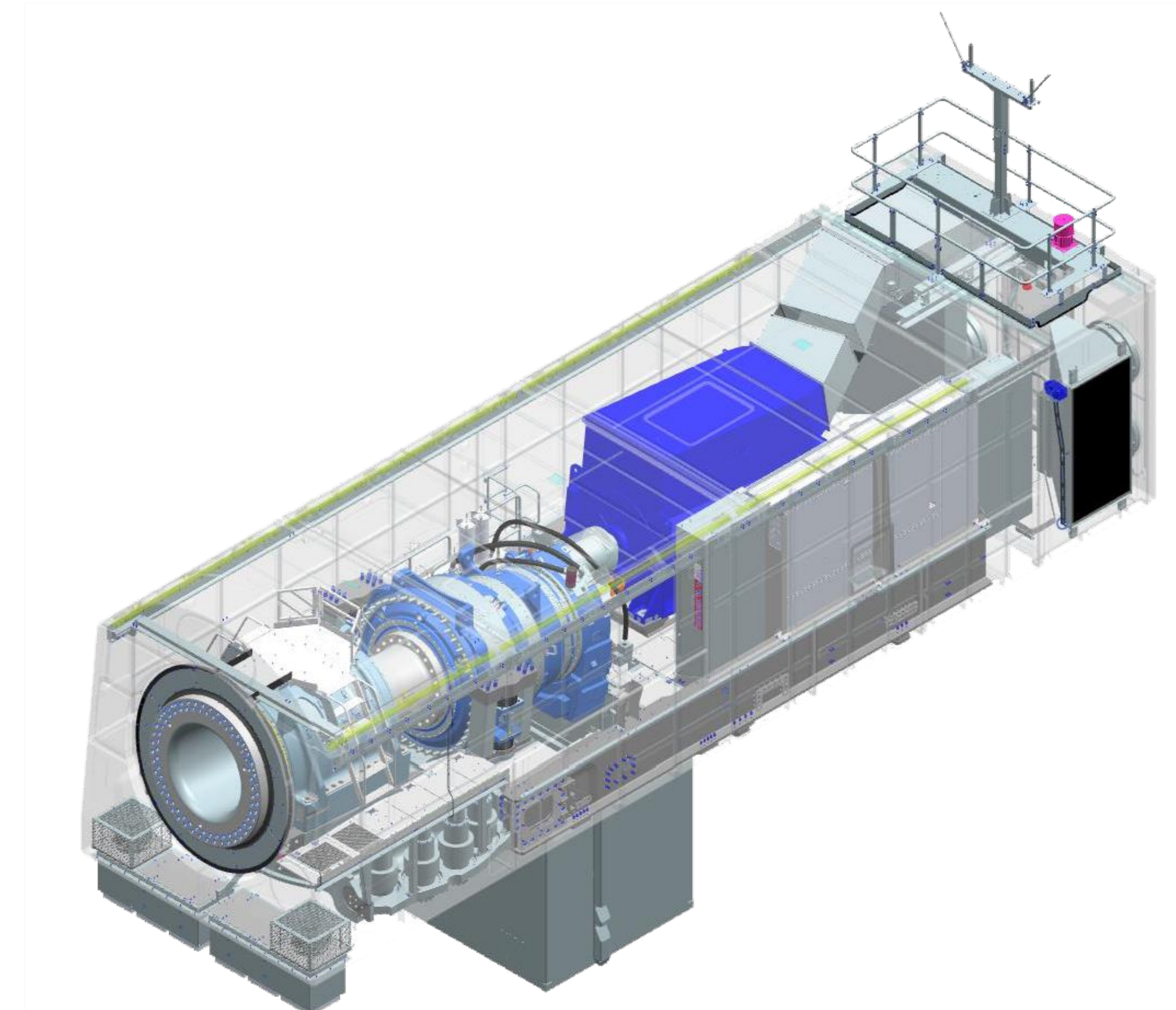
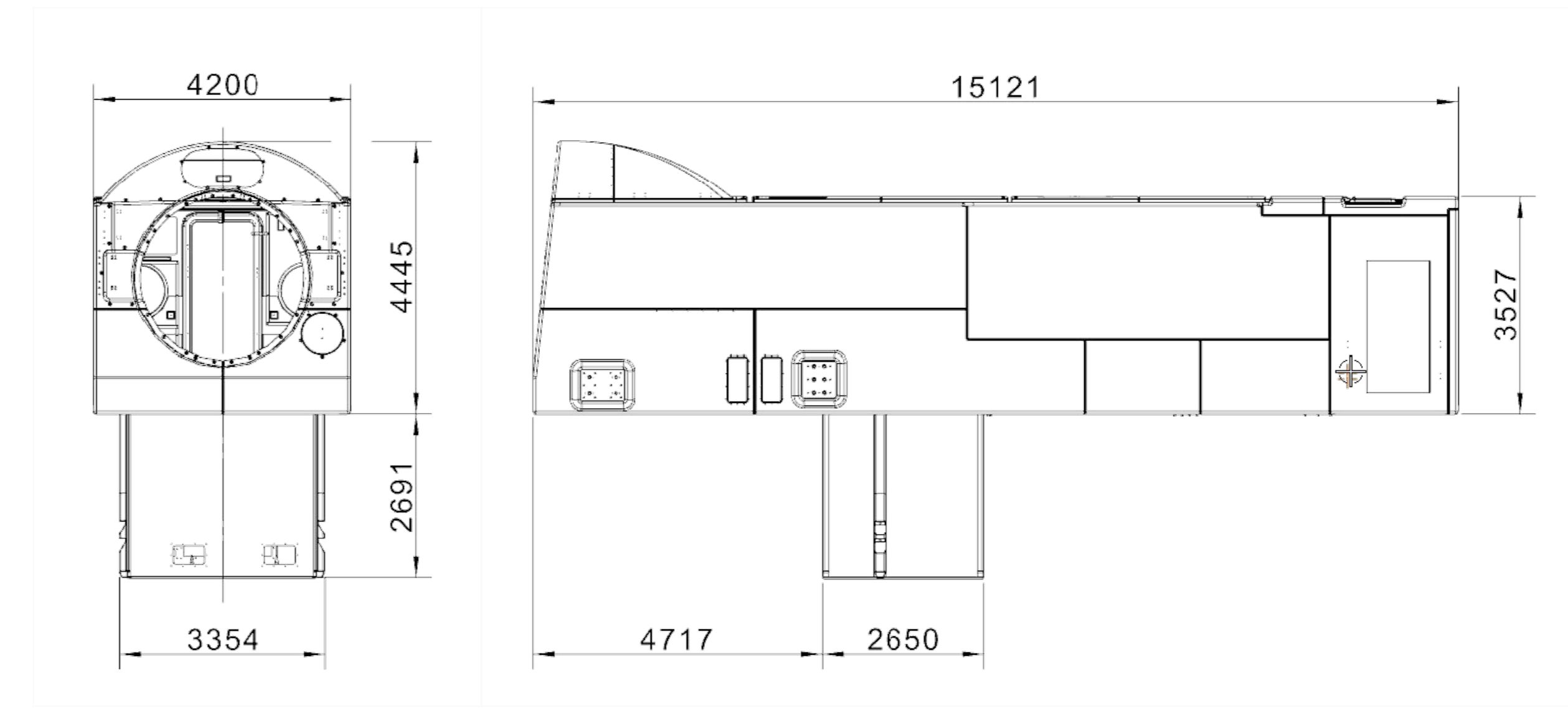
LAMA SCALA 1:100



SEZIONE TIPO SCALA 1:500



PARTICOLARE LAMA SCALA 1:100



Product customer documentation  
Developer Package

**SIEMENS Gamesa**  
RENEWABLE ENERGY

Rotor		Generator	
Type	3-bladed, horizontal axis	Type	Asynchronous, DFIG
Position	Upwind		
Diameter	170 m	Grid Terminals (LV)	
Swept area	22,696 m <sup>2</sup>	Baseline nominal power	6.0MW/6.2 MW
Power regulation	Pitch & torque regulation with variable speed	Voltage	690 V
Rotor tilt	6 degrees	Frequency	50 Hz or 60 Hz
Blade		Yaw System	
Type	Self-supporting	Type	Active
Blade length	83.5 m	Yaw bearing	Externally geared
Max chord	4.5 m	Yaw drive	Electric gear motors
Aerodynamic profile	Siemens Gamesa proprietary airfoil	Yaw brake	Active friction brake
Material	G (Glassfiber) - CRP (Carbon Reinforced Plastic)	Controller	
Surface gloss	Semi-gloss, < 30 / ISO2813	Type	Siemens Integrated Control System (SICS)
Surface color	Light grey, RAL 7035 or	SCADA system	MySite360
Aerodynamic Brake		Tower	
Type	Full span pitching	Type	Tubular steel / Hybrid
Activation	Active, hydraulic	Hub height	100m to 165 m and site-specific
Load-Supporting Parts		Corrosion protection	
Hub	Nodular cast iron	Surface gloss	Semi-gloss, <30 / ISO-2813
Main shaft	Nodular cast iron	Color	Light grey, RAL 7035 or White, RAL 9018
Nacelle bed frame	Nodular cast iron	Operational Data	
Nacelle Cover		Cut-in wind speed	3 m/s
Type	Totally enclosed	Rated wind speed	11.0 m/s (steady wind without turbulence, as defined by IEC61400-1)
Surface gloss	Semi-gloss, <30 / ISO2813	Cut-out wind speed	25 m/s
Color	Light Grey, RAL 7035 or White, RAL 9018	Restart wind speed	22 m/s
Weight			
		Modular approach	Different modules depending on restriction

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Regione: Basilicata  
 Provincia: Potenza  
 Comune: Potenza  
 Localita': Poggi di San Michele

PARCO EOLICO POTENZA  
 Progetto Definitivo

Titolo:  
**A.16.b.2 Sezione tipo degli aerogeneratori**

CODICE ELABORATO GRAFICO  
 IT / EOL / E-POTE / PDF / I / TP / 58 -a

Visti / Timbri:

**GLOREN** s.r.l.  
 Ing. Giuseppe GRAVELLA  
 (Direttore Tecnico)

Note:

REVISIONI				
Data	Rev.	Descrizione revisioni	Elaborato:	Approvato:
31/05/2023	4	Emissione	P. Montemurro	P. Montemurro G. Gravello