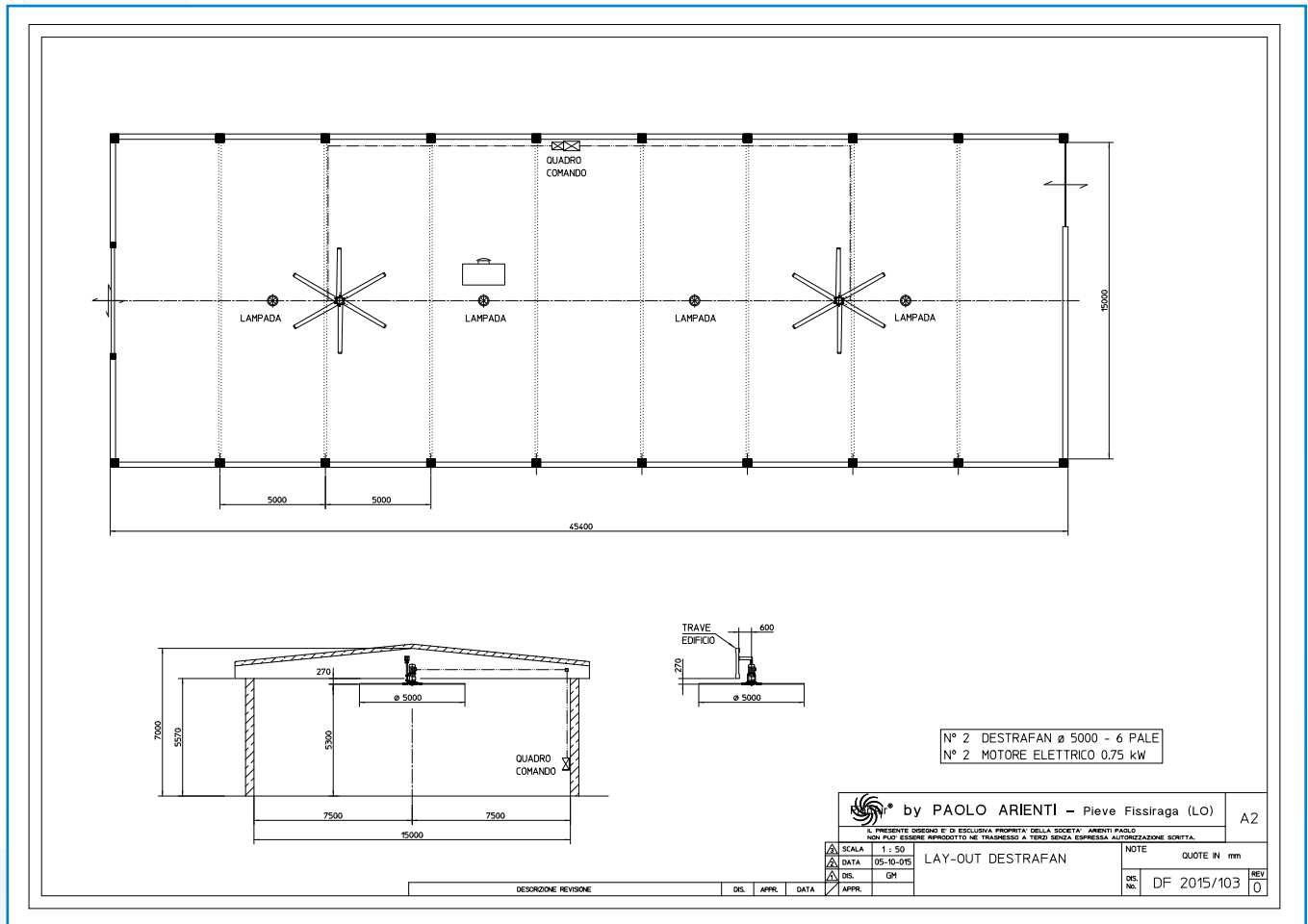


PHASE 1

Development of a dedicated project



PHASE 2

Estimation of the energy savings in % and in euros.

WAREHOUSE LENGTH (m)	45,4
WAREHOUSE WIDTH (m)	15
WAREHOUSE HEIGHT (m)	7
COVERING TRANSMISSION (W/m ² K)	4
Recommended value = 3 W/m ² K	
WALL TRANSMITTANCE (W/m ² K)	3
Suggested value = 2 W / m ² K	
MEASURED STRATIFICATION (°C)	7
ESTIMATED STRATIFICATION (°C)	7
CLIMATIC ZONES	E
ZONES ELIGIBLE "E" AND "F"	
TEMPERATURE AREA OPERATOR (°C)	19
Suggested value = 20 °C	
COST SAVINGS PERCENTAGE	25%
ANNUAL SAVINGS (€)	4130

PHASE 3

Estimation of company payback

SYSTEM COST	8500,00
ANNUAL SAVINGS FOR HEATING €	4130,00
N° ENGINE	2
kW ENGINE	0,55
TOT. kW	1,10
WORKING HOURS IN WINTER / DAY	8
WORKING DAYS IN WINTER / WEEK	5
MEAN WORKING HOURS IN WINTER	960
ENERGY COST € -kW / h	0,20
COST FOR SYSTEM MANAGEMENT	211,20
TOTAL SAVINGS FOR SYSTEM	3918,80
PLANT AMORTIZED IN MONTHS	26,03