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NOMENCLATURE

CO ₂	Carbon dioxide, kg
GHG	Greenhouse Gas Emissions
MOO	Multi-Objective Optimization
ZEB	Zero Energy Building
IEA	International Energy Agency
NSGA2	Non Sorting Genetic Algorithm II
GC	Global Cost, € or €/m ²
Ep	Primary energy indicator for global not renewable energy, kWh.m ⁻²
PB	Payback Period
S	Width, m
U	Thermal transmittance, W. m ⁻² . K ⁻¹
g	Dimensionless solar factor
TL	Dimensionless light transmission
WI-10 to WI-24	Wall Insulation variables
CI-12 to CI-24	Ceilings Insulation variables
G-1 to G-5	Glass variables
LS-1 to LS-6	Local shading variables
WB-1 to WB-5	Window blinds variables
OPT-1 to OPT-4	Optimal scenarios selected
CO _{INT}	Initial Investment Costs
CO _{a(i)} (j)	Annual Cost for component or service j for year i.
RAT _{xx(i)} (j)	Price development for year i for component or service j
D _f (i)	Discount factor for year i
CO _{fin(TLS)} (j)	Disposal cost for decommissioning, deconstruction and disposal in last year of lifecycle of component j
VAL _{fin(TC)}	Residual value for component j at the end of the calculation period
CFt	Difference of annual costs (cash flow difference) between the optional case and the reference case at year t
TPB	Last year of PB
RAT _{disc}	Discount rate
CO _{INTref}	Initial investment cost for reference case
ES	Energy Scenario
MCDA	Multi-Criteria Decision Analysis