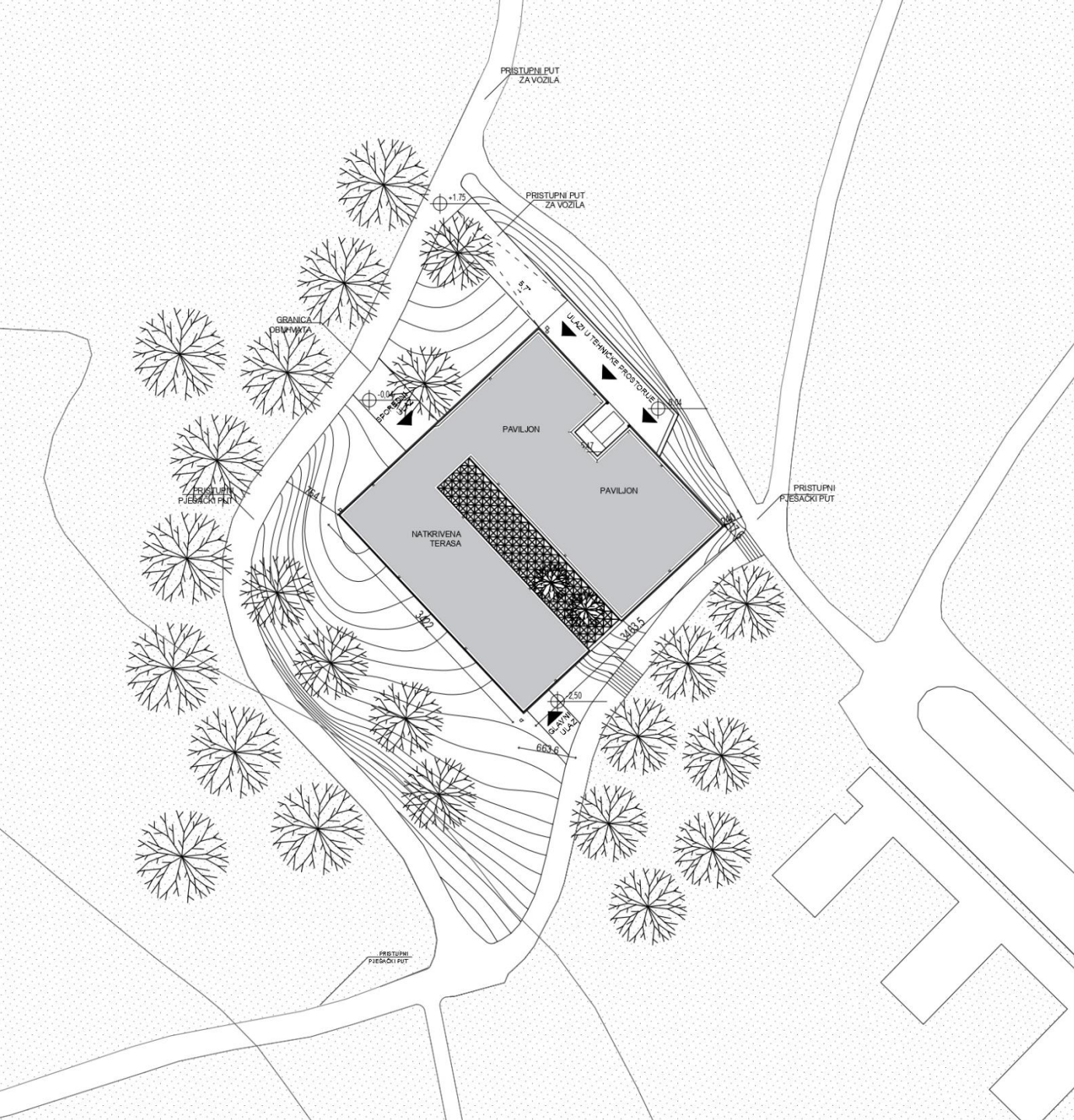


VIŠENAMJENSKI
PAVILJON U
GRADU MLADIH
U ZAGREBU

ZAGREBAČKI ENERGETSKI TJEDAN 2019.



_paviljon u parku u Gradu mladih u Gornjoj Dubravi

_povezanost paviljona i parka preko natkrivenog prostora vanjskog boravka

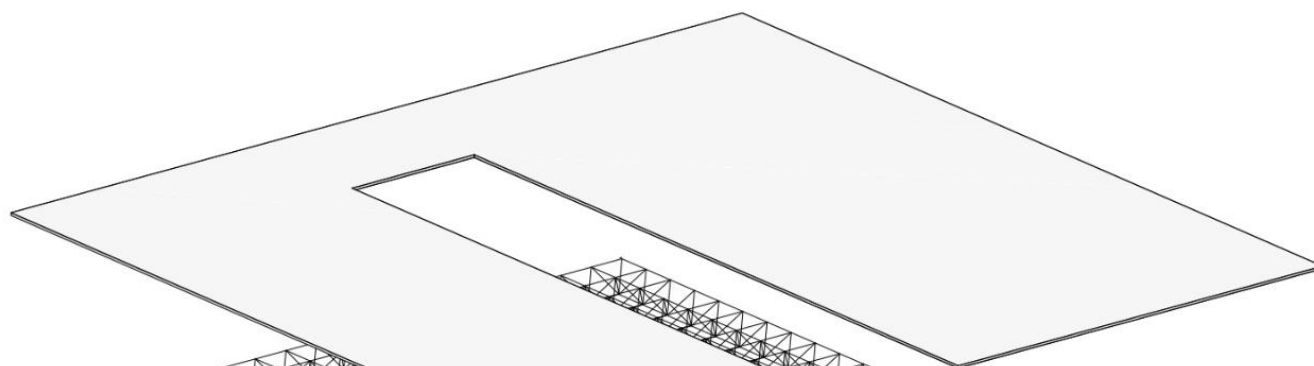
_bioklimatski pristup projektiranju: ljeti se prostor boravka širi na van, a zimi smanjuje na unutarnji grijani prostor

_uvažavanje lokalnih klimatskih uvjeta i optimiranje oblikovanja i orijentacije objekta

_zelena gradnja: upotreba recikliranog i ekološki prihvatljivog građevnog materijala i konstrukcija

_energetska učinkovitost: optimiziranje instalacijskih sustava i primjena obnovljivih izvora energije

_prostorna pristupačnost osobama s invaliditetom i smanjene pokretljivosti



_kompaktnog volumena - kvadrat

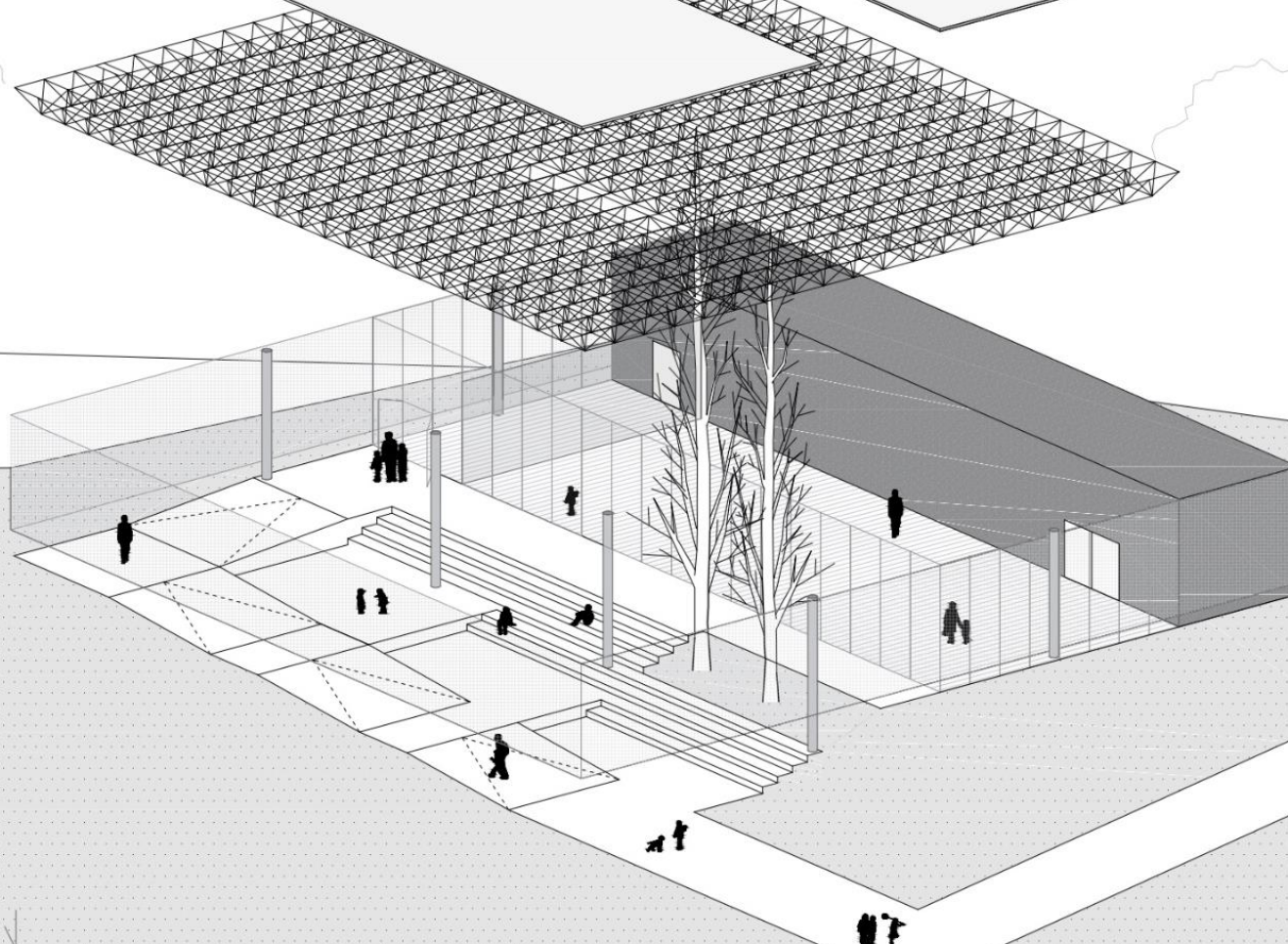
_kontrast organskoj strukturi šume i topografije

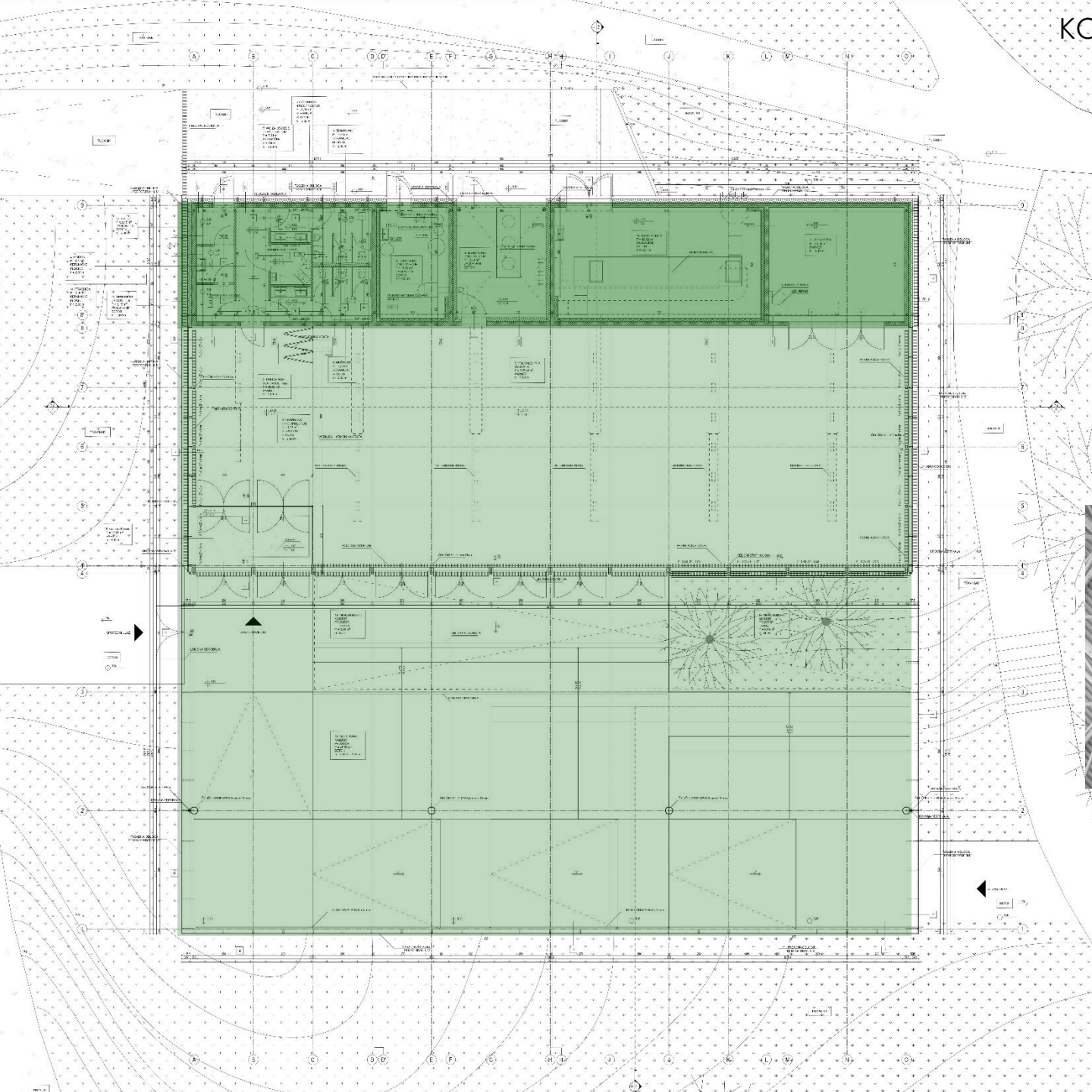
_topografija - kretanje

_prozračna šupljikava opna

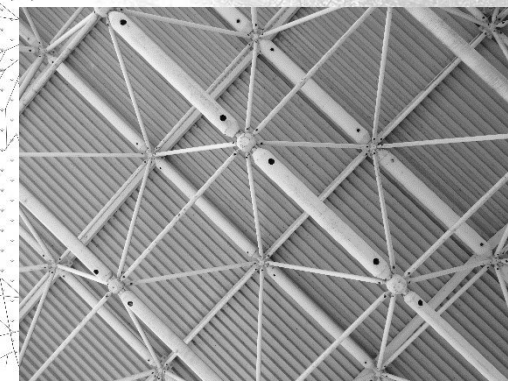
_vanjski natkriveni prostor - stube, tribine i rampe

_2 postojeća jablana - kontrast horizontali paviljona

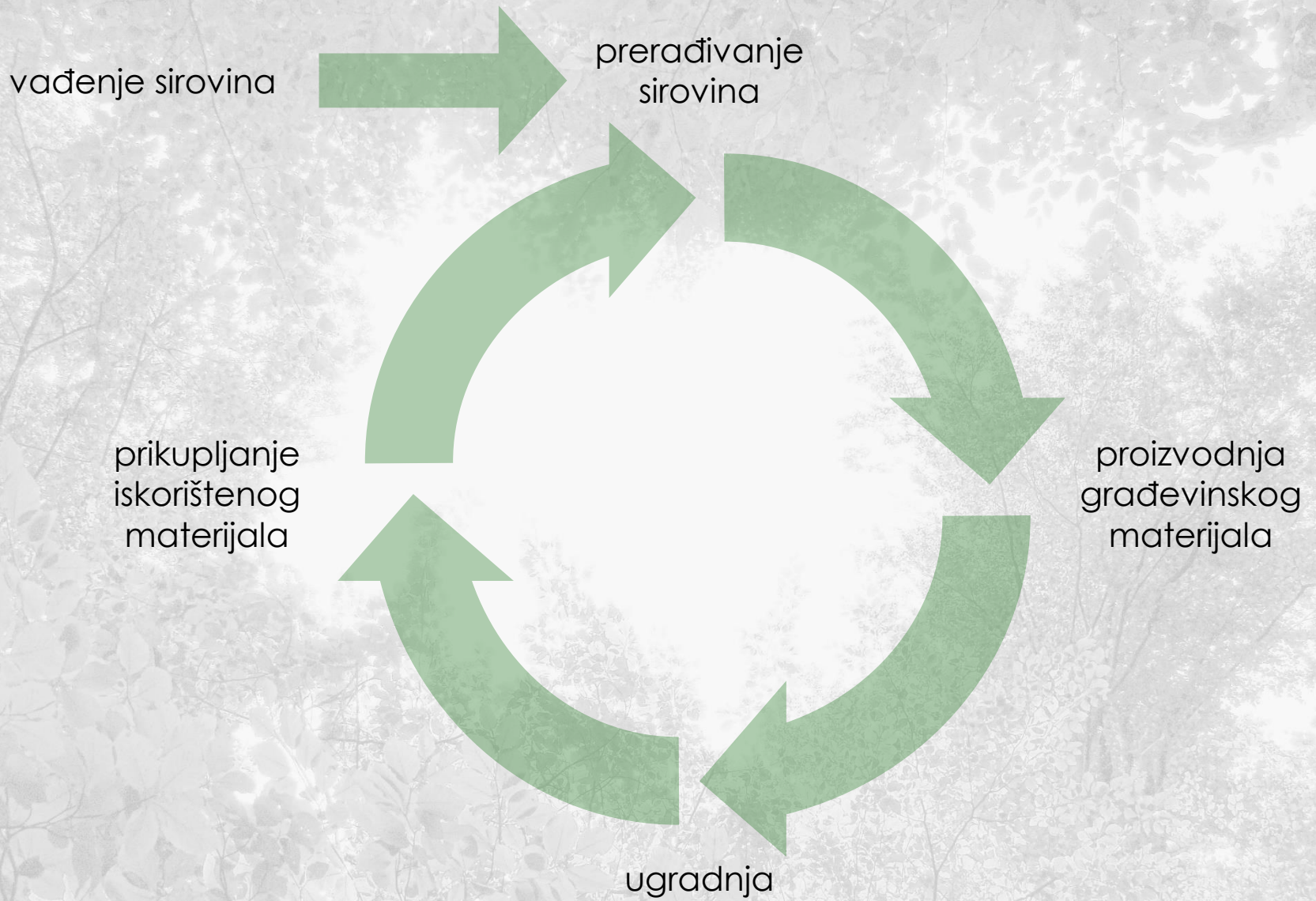


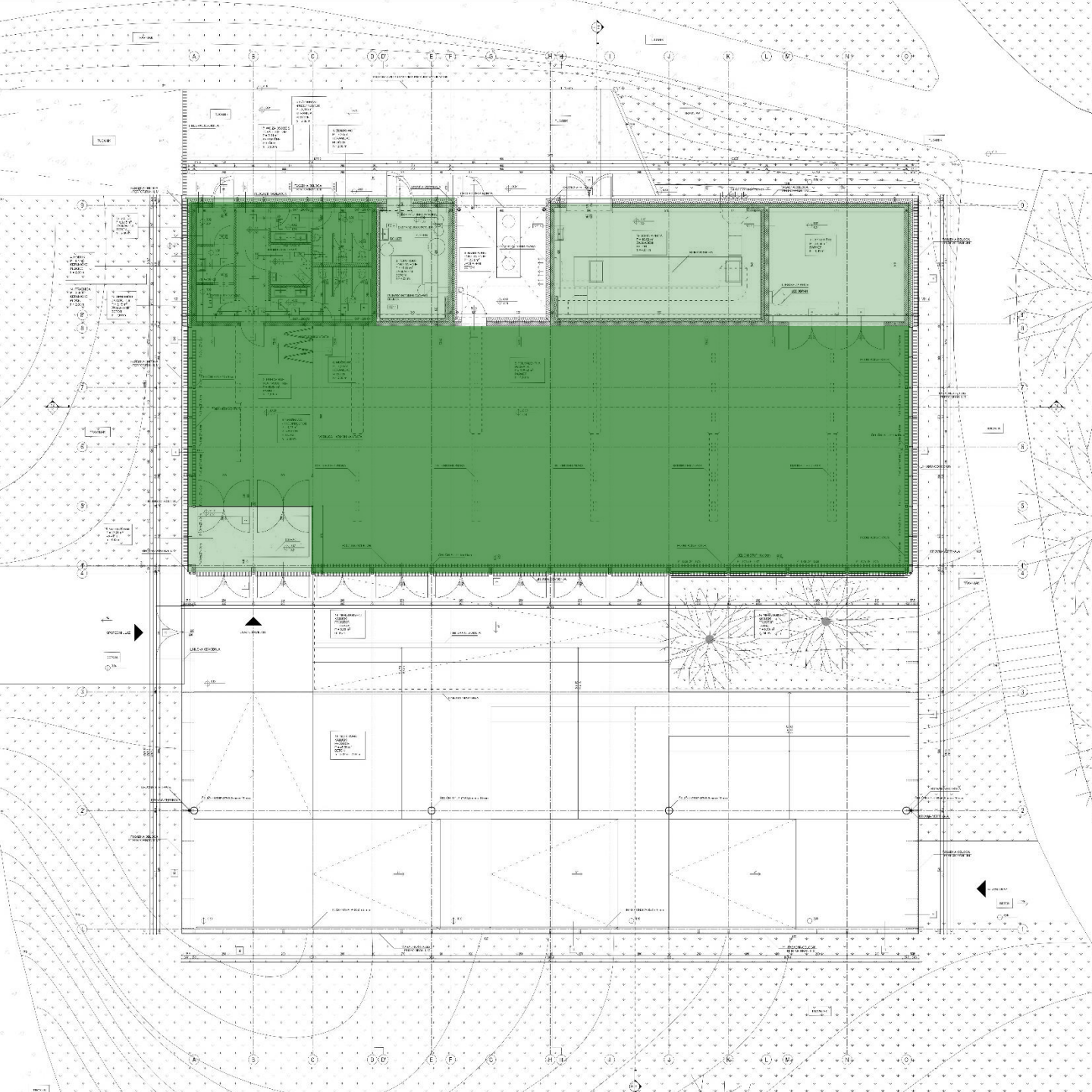


armirani beton



čelična prostorna rešetka
-mero sustav





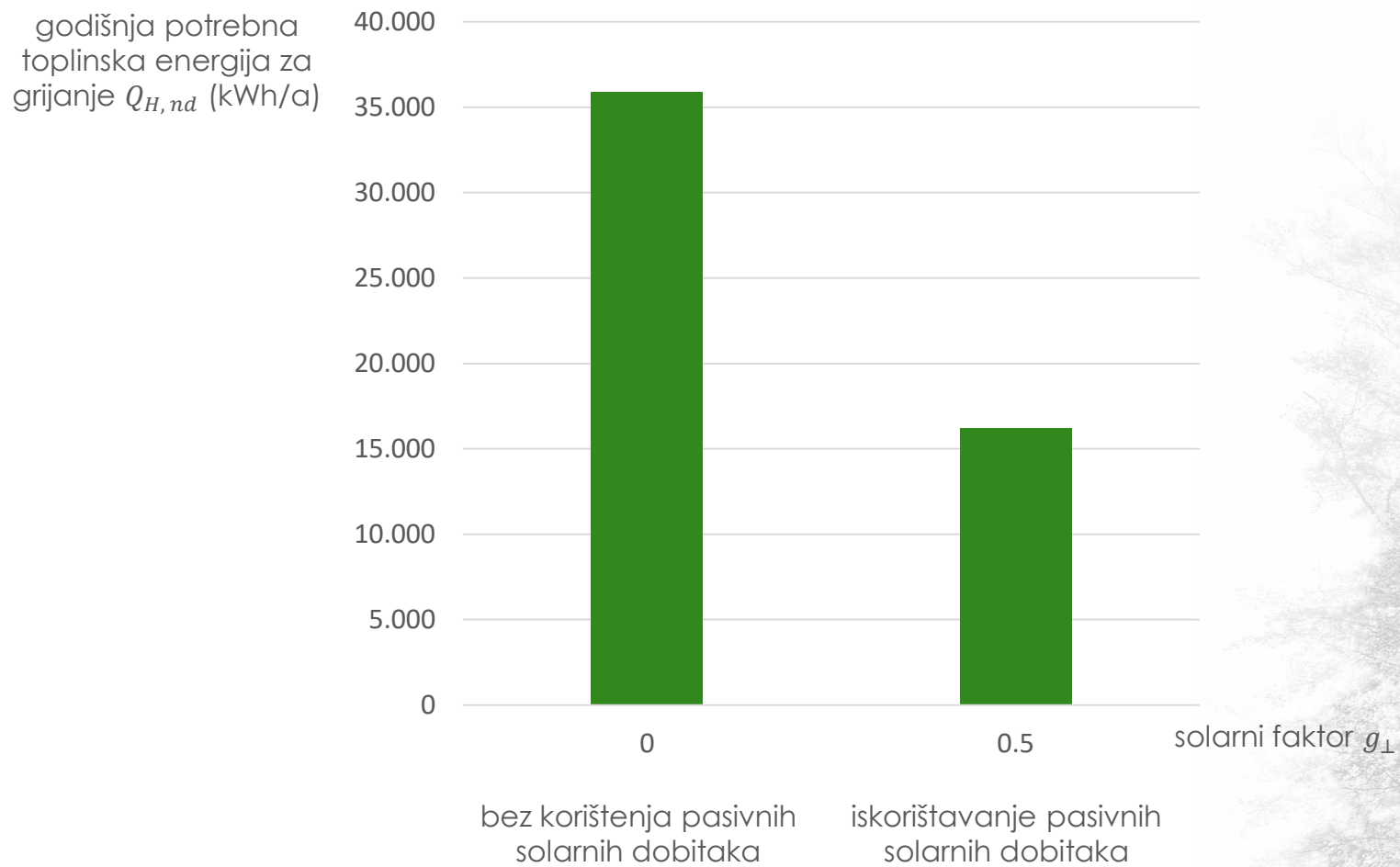
zatvoreni prostor

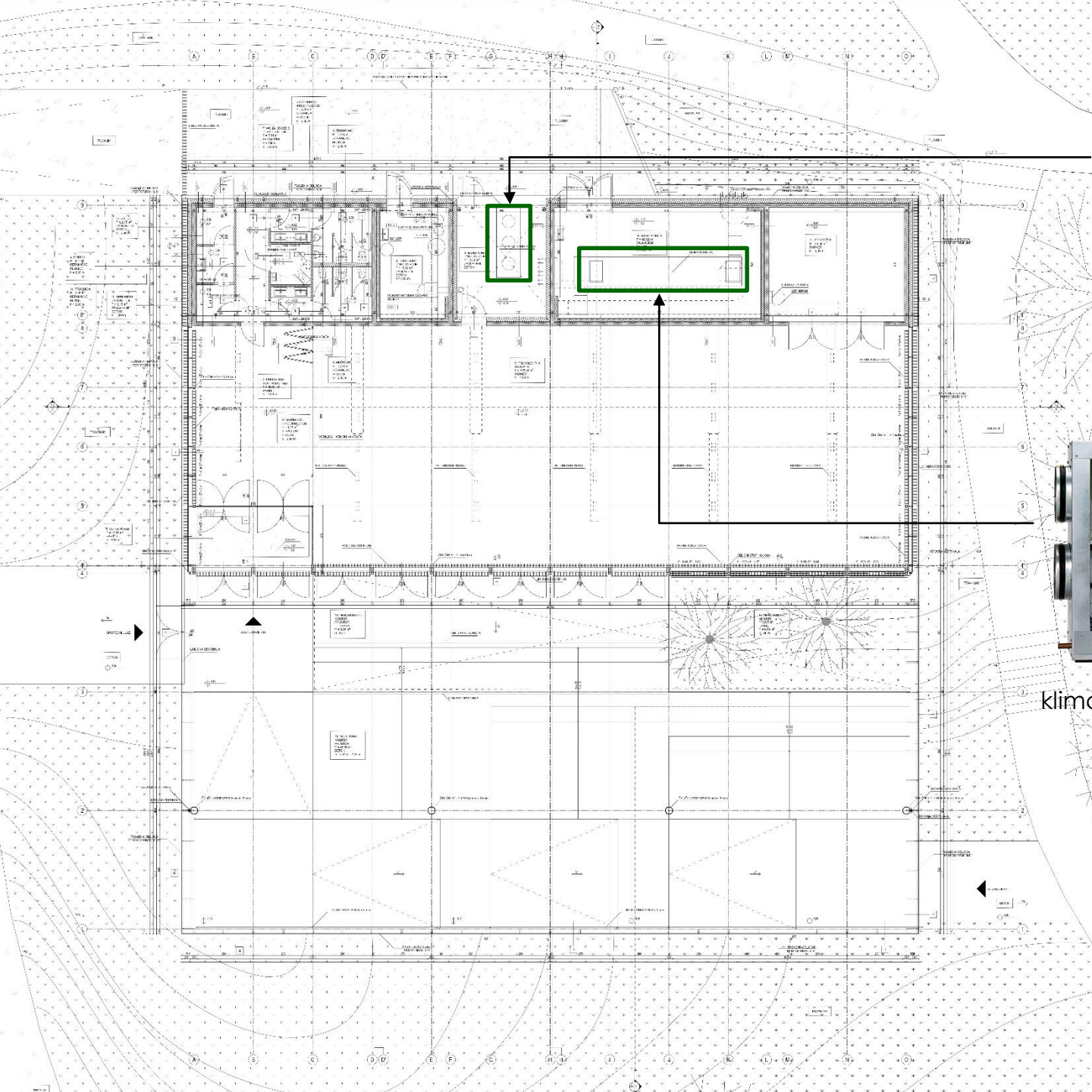
grijani prostor

_kompaktni oblik

_faktor oblika: 0,66

_manji toplinski gubitci

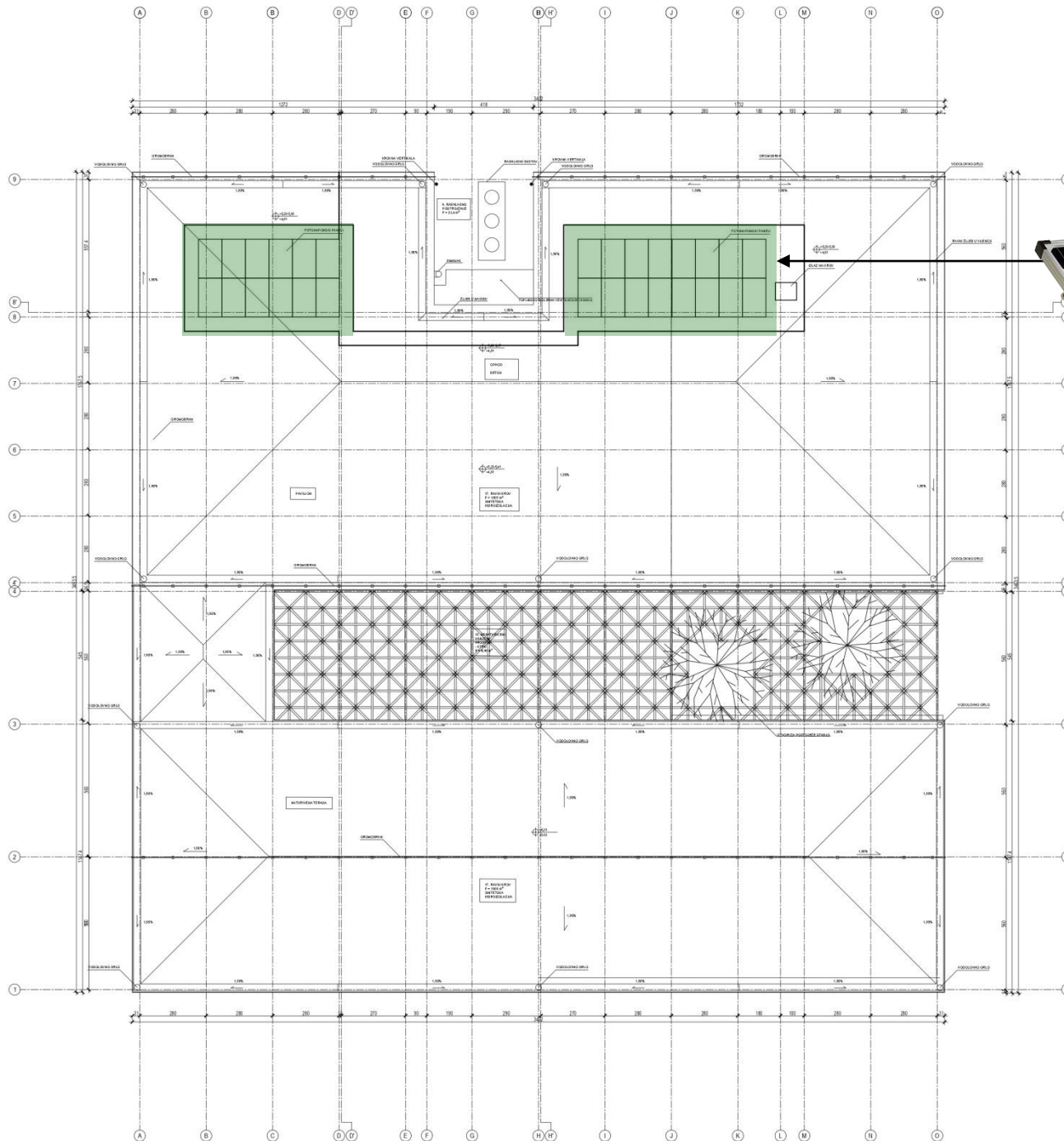




dizalica toplote zrak-voda

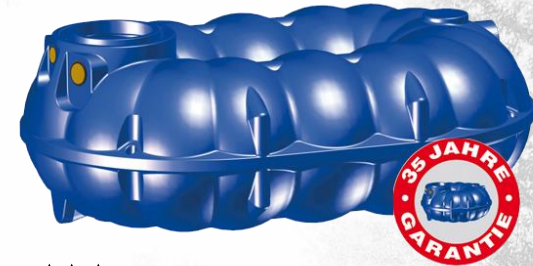
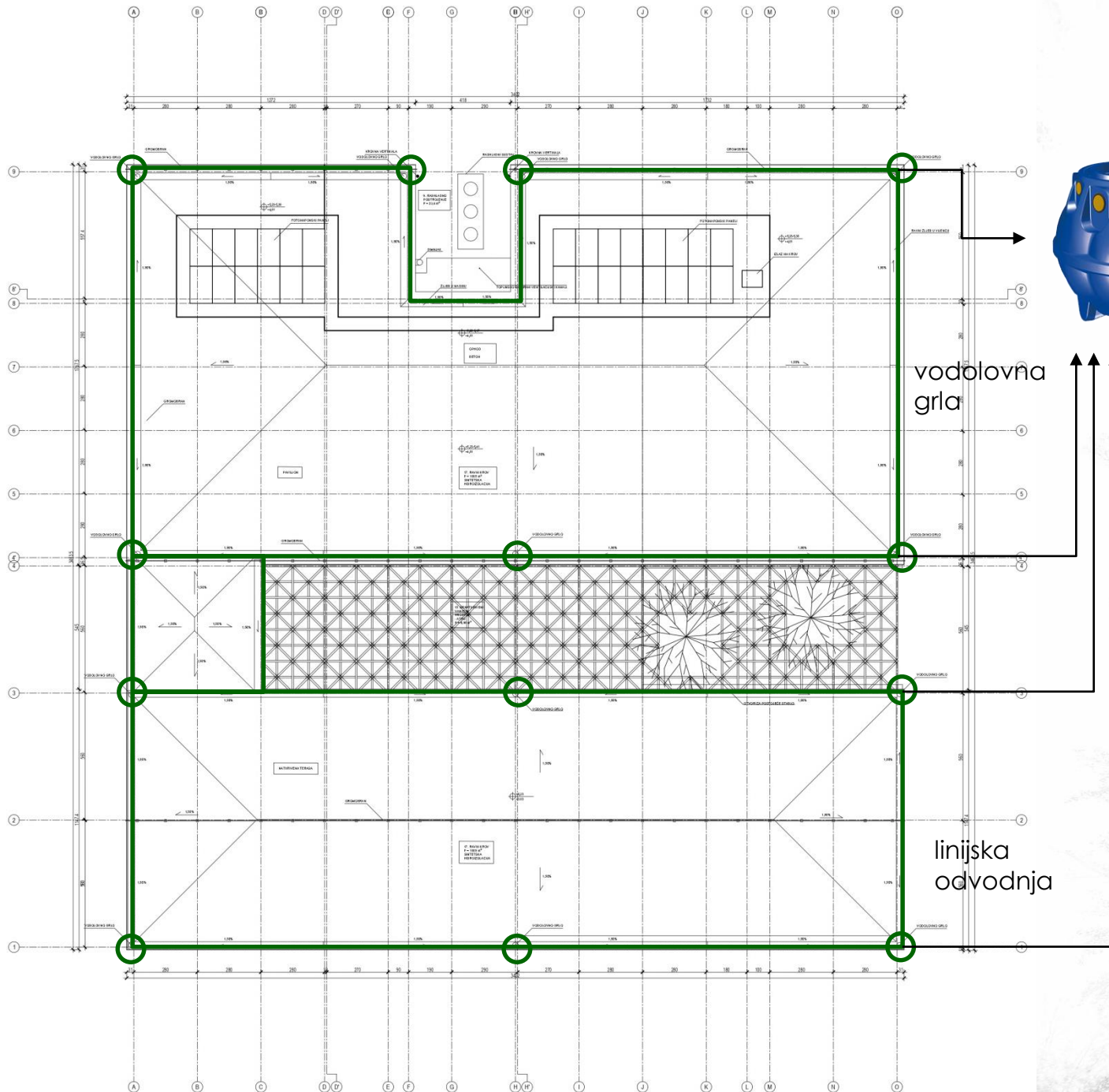


klima komora – rekuperator toplote



_fotonaponski paneli

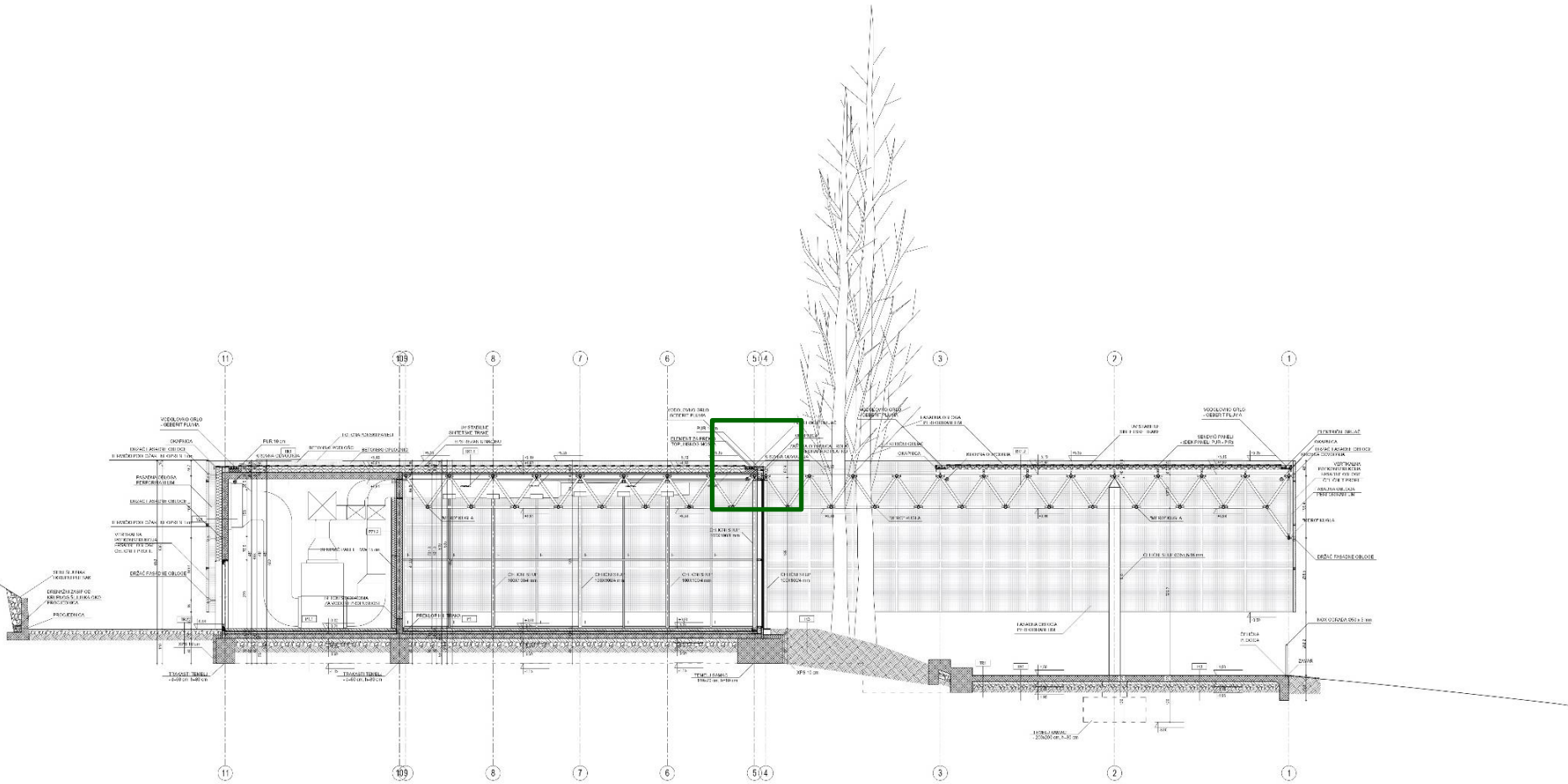
_pretvorba sončne energije u električno

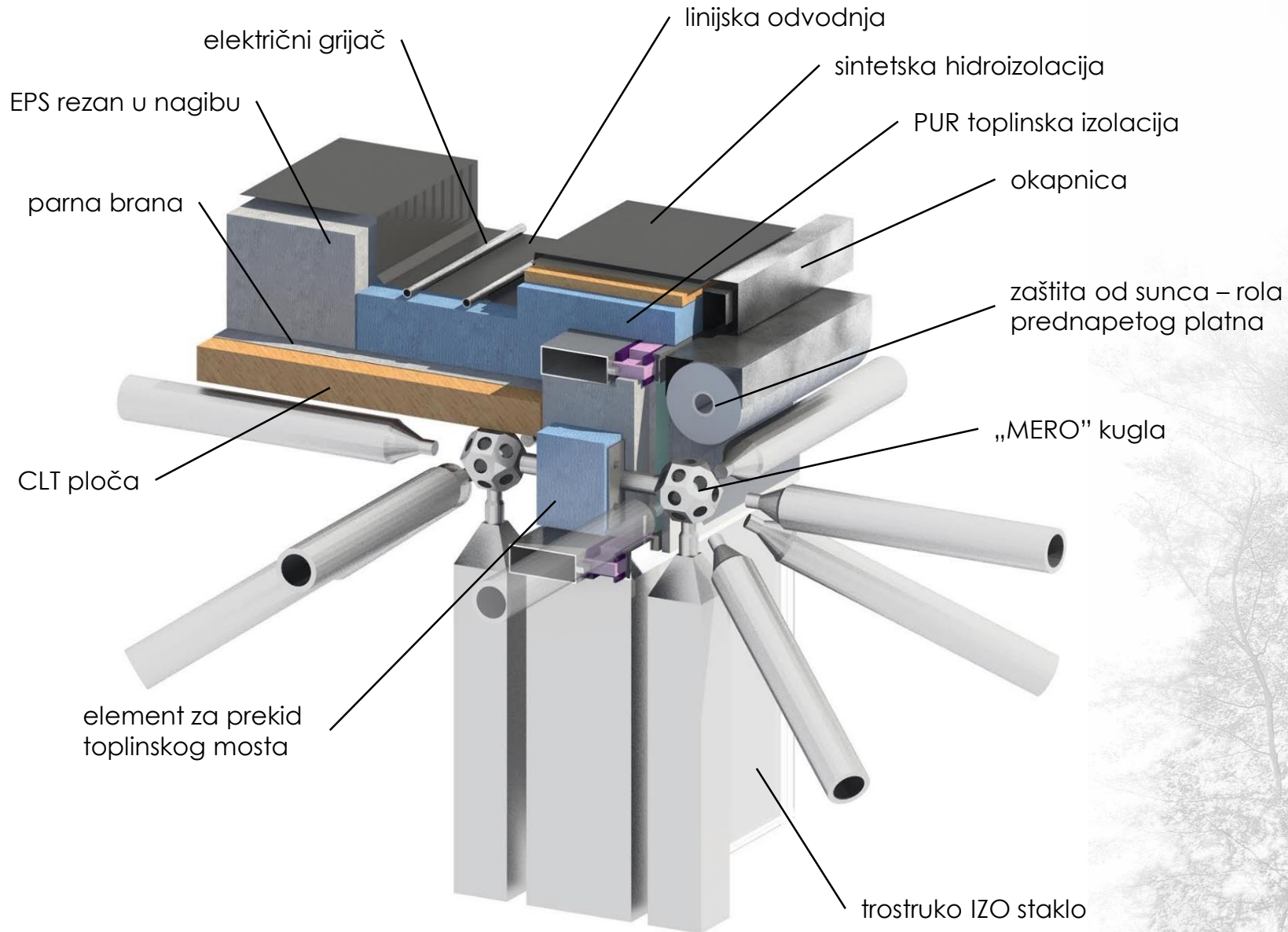


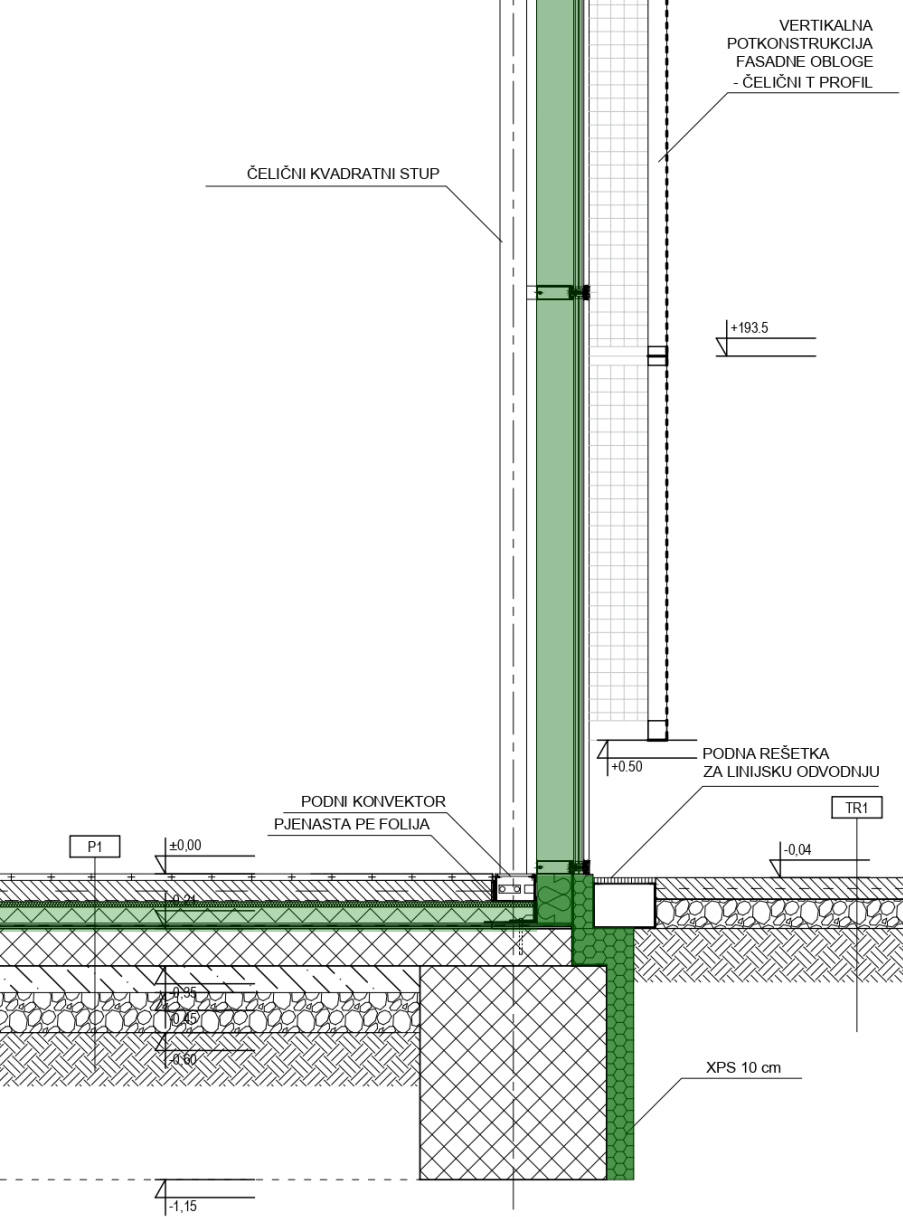
vodolovna
grla

sprenik za sakupljanje
kišnice

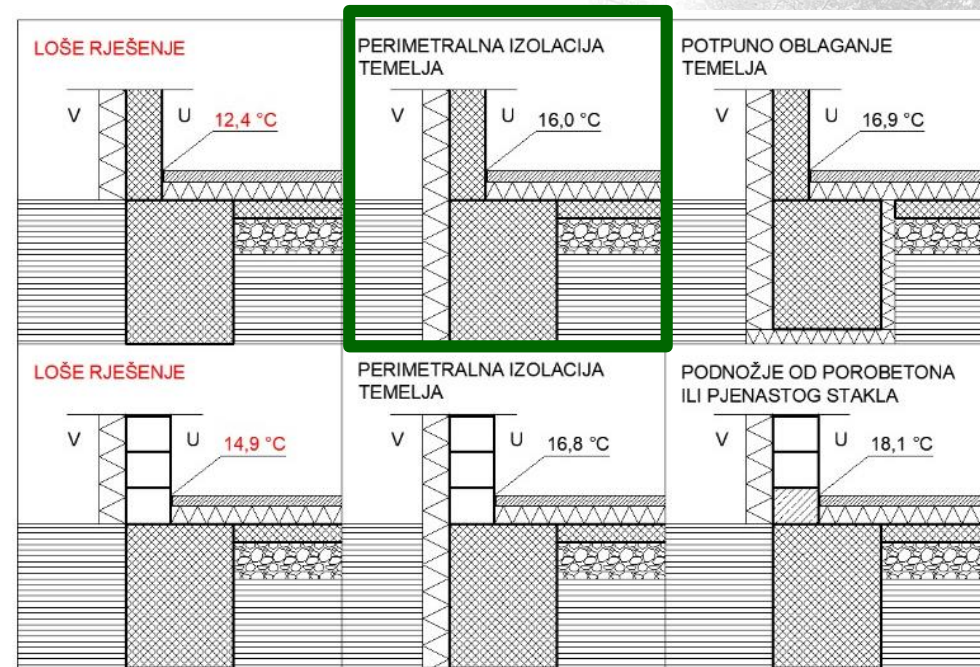
linijska
odvodnja





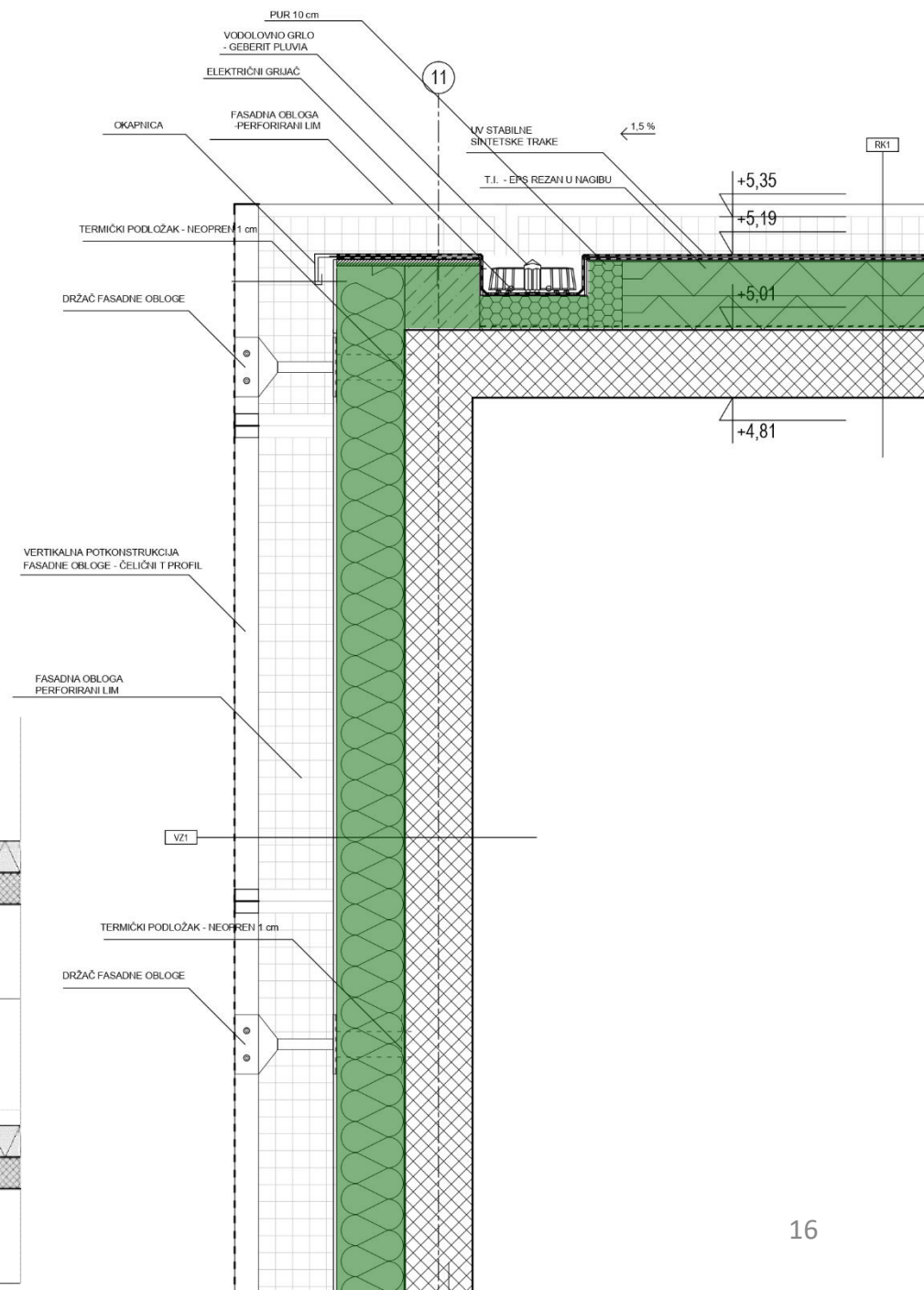
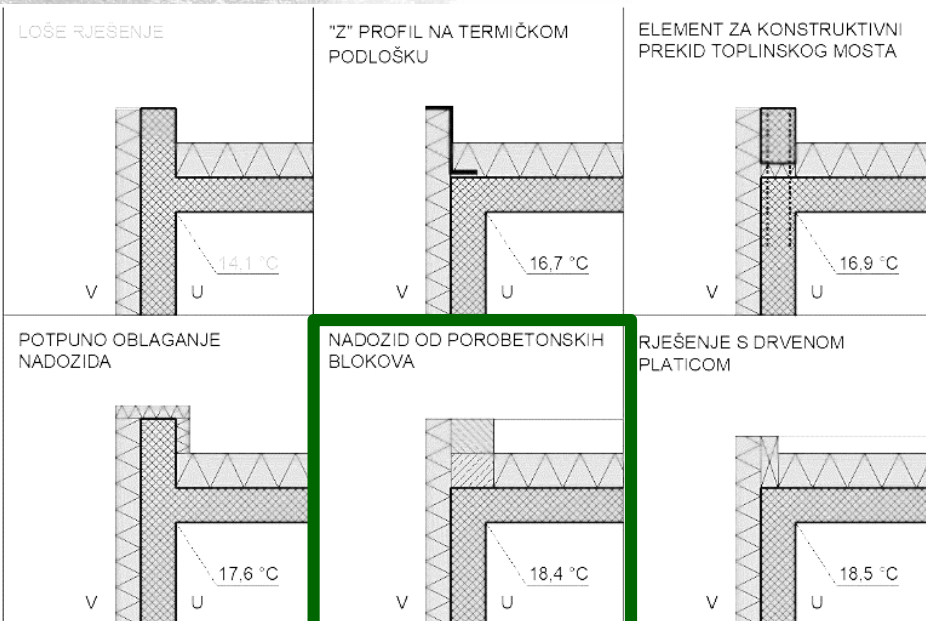


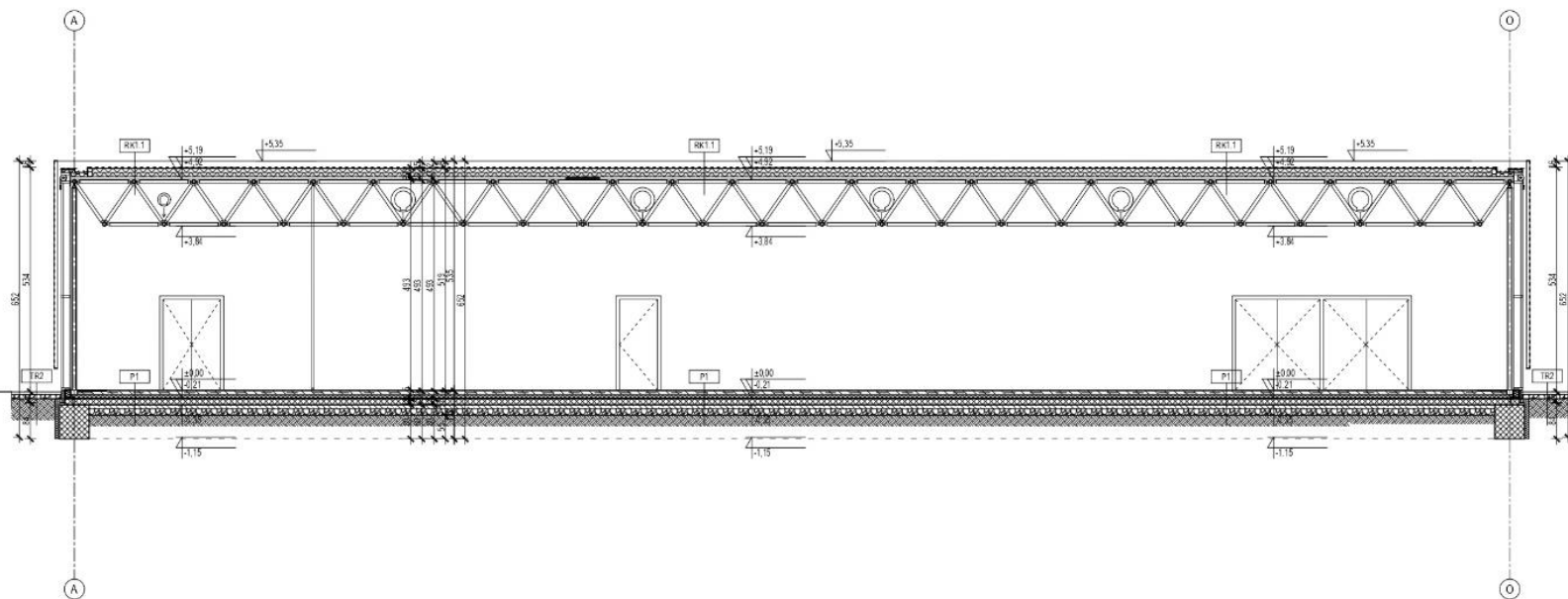
_perimetralna izolacija u svrhu produljenja toplinskog mosta

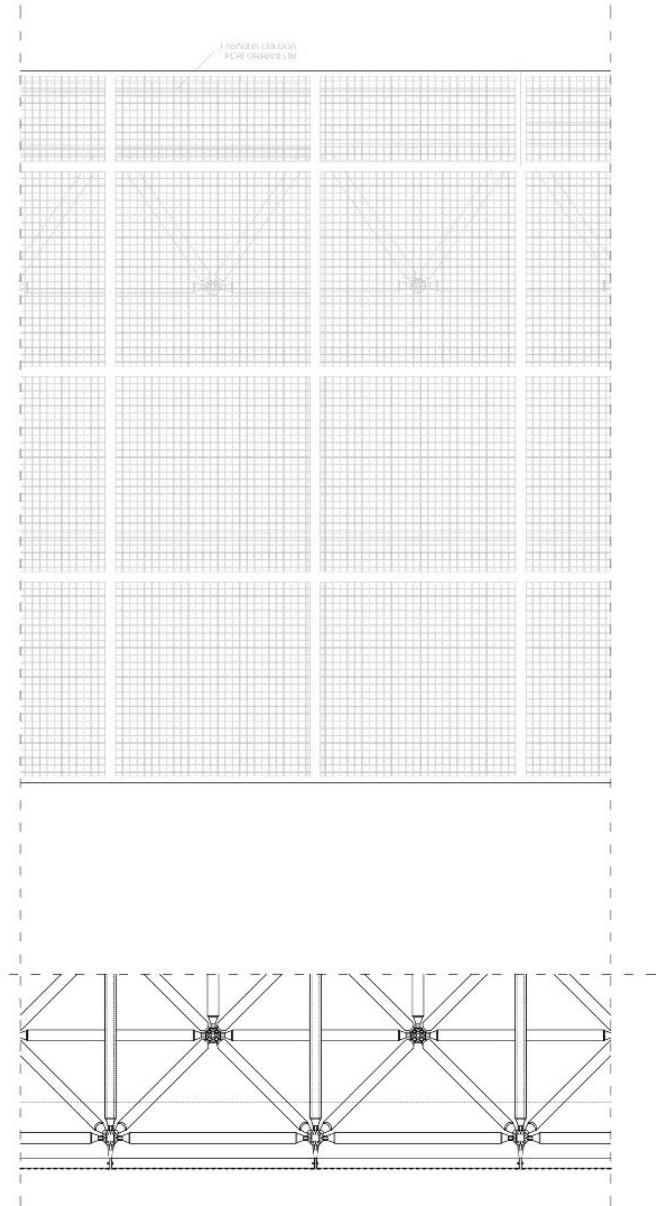
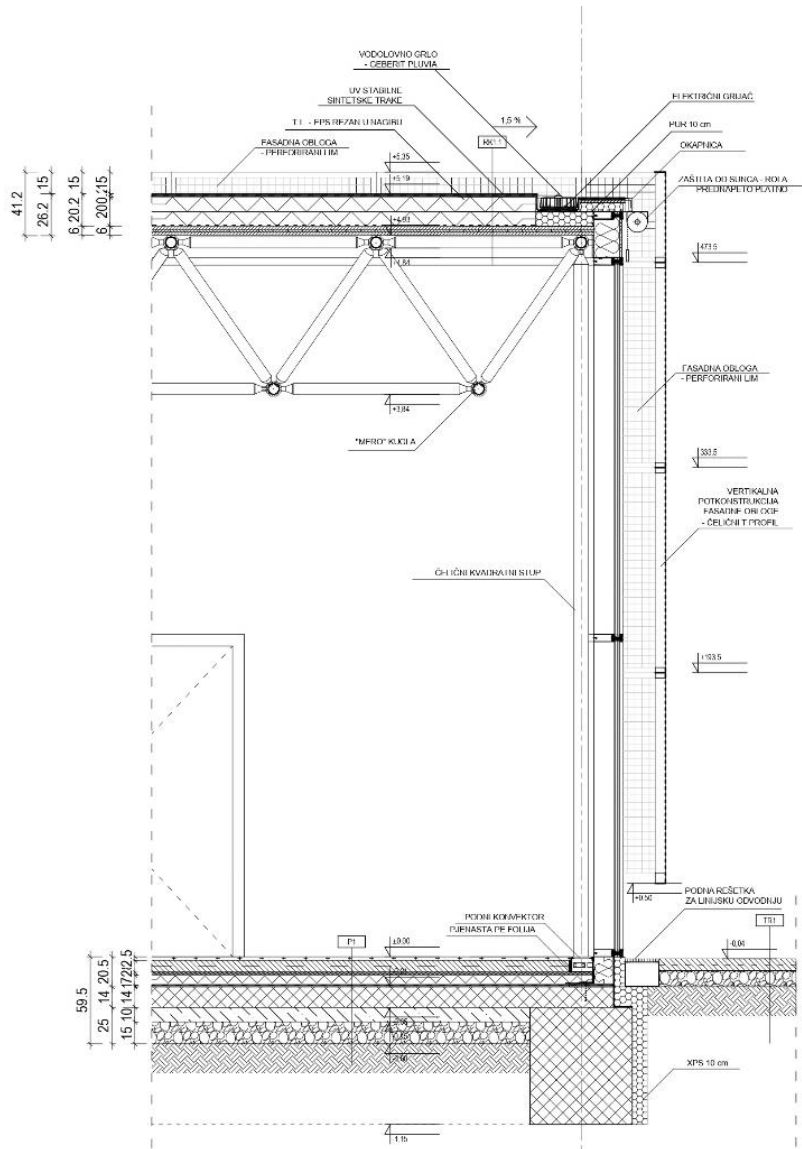


RJEŠENJA TOPLINSKIH MOSTOVA

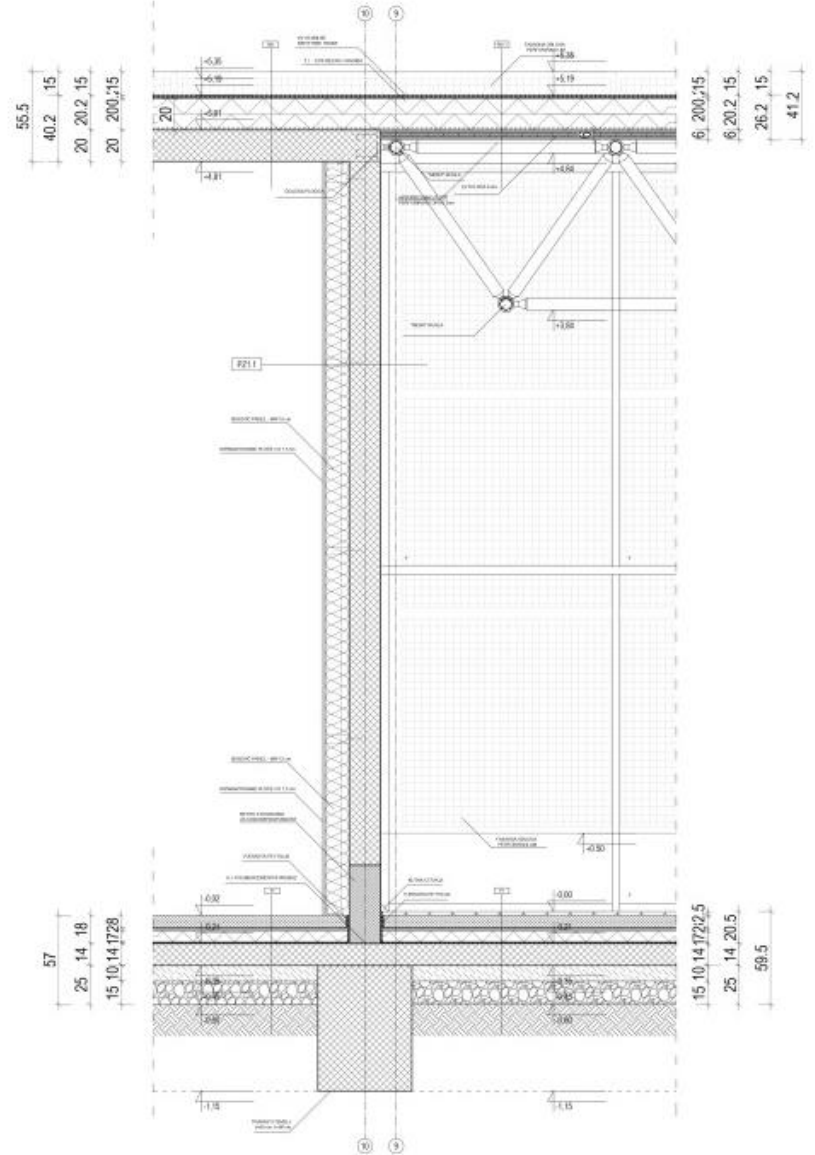
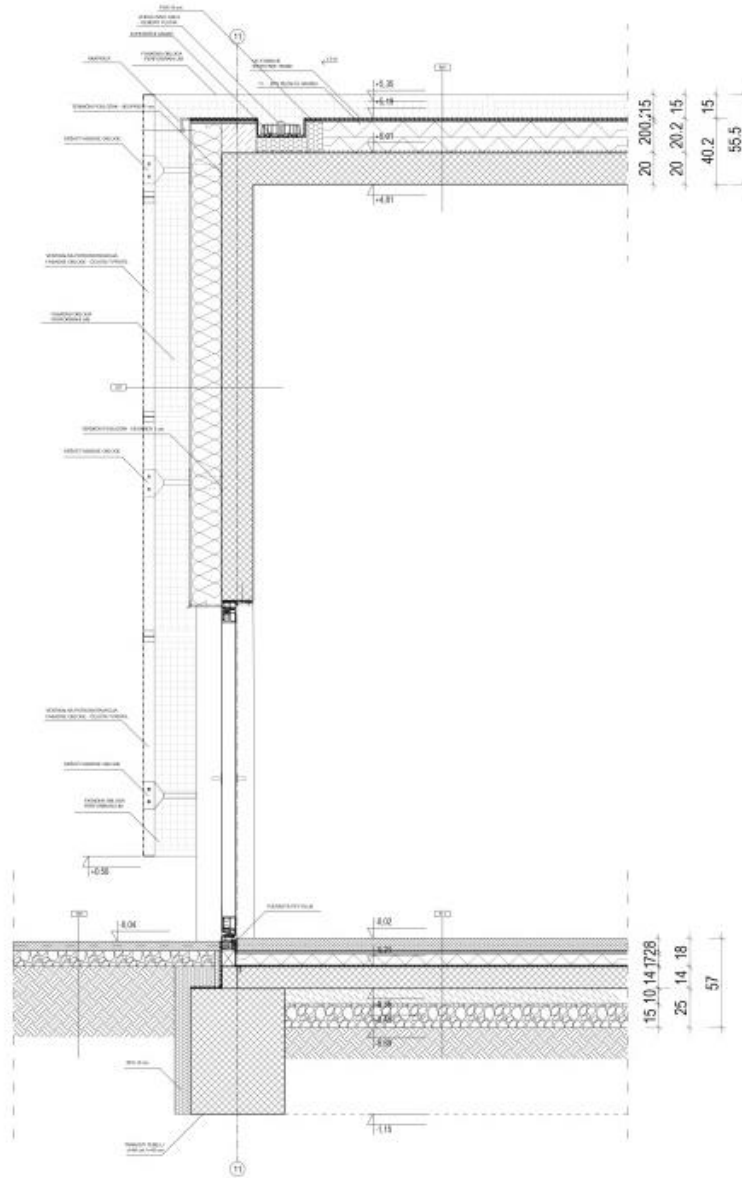
_uporaba prikladnih materijala za očuvanje kontinuiteta toplinske izolacije



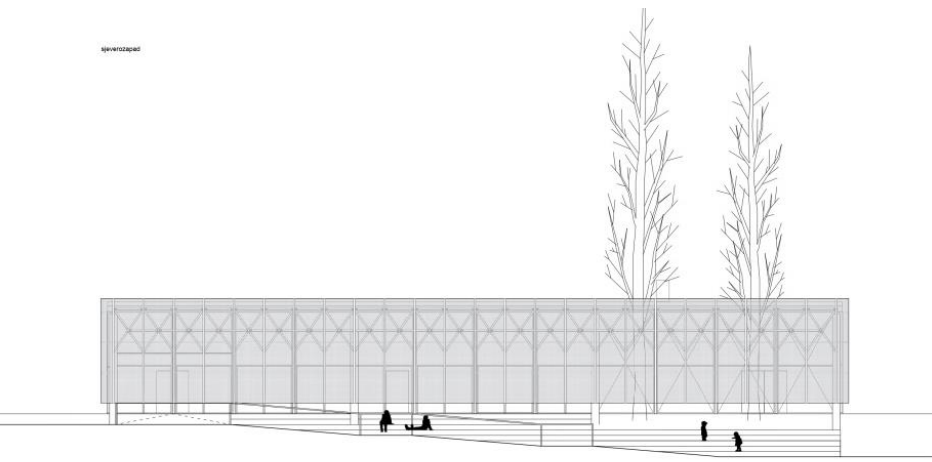




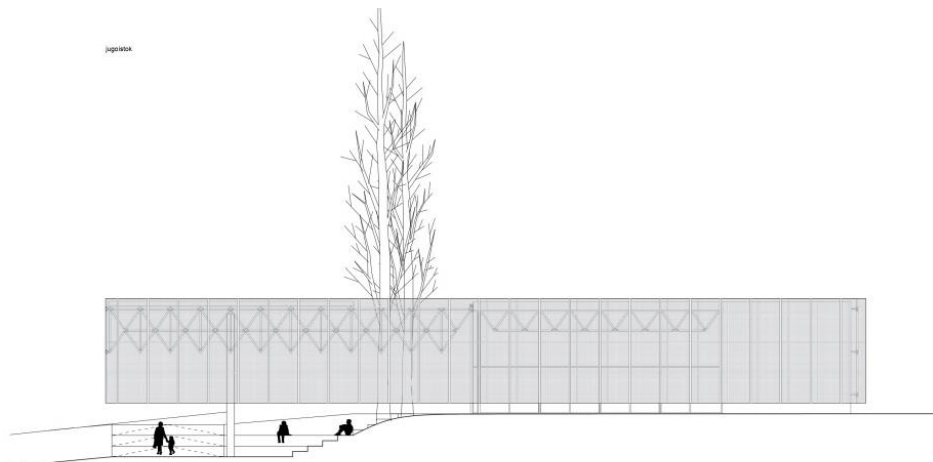
DETALJI



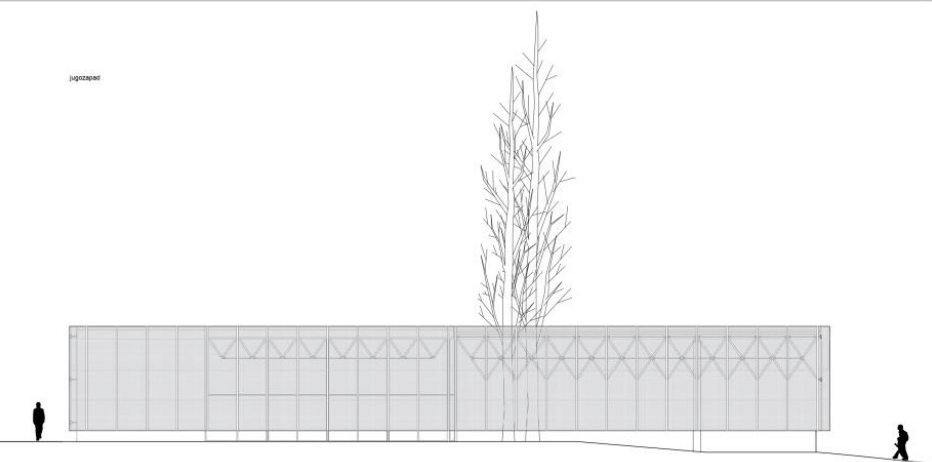
sjeverozapad



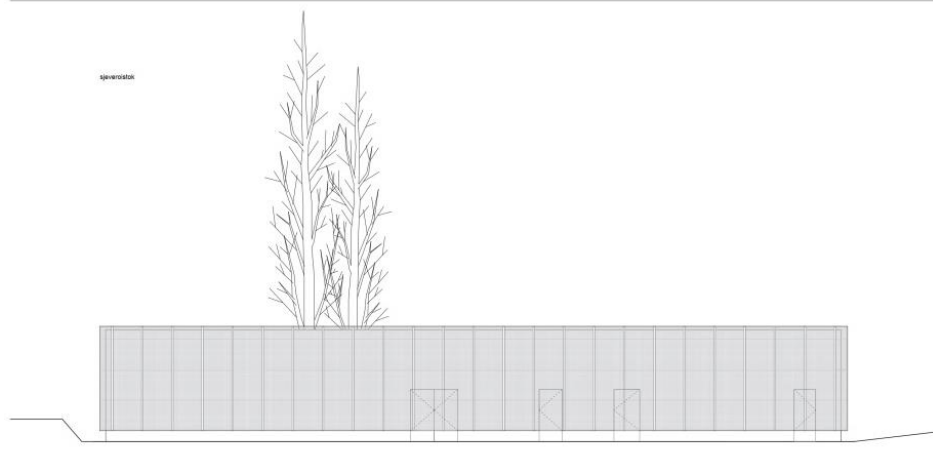
jugozapad

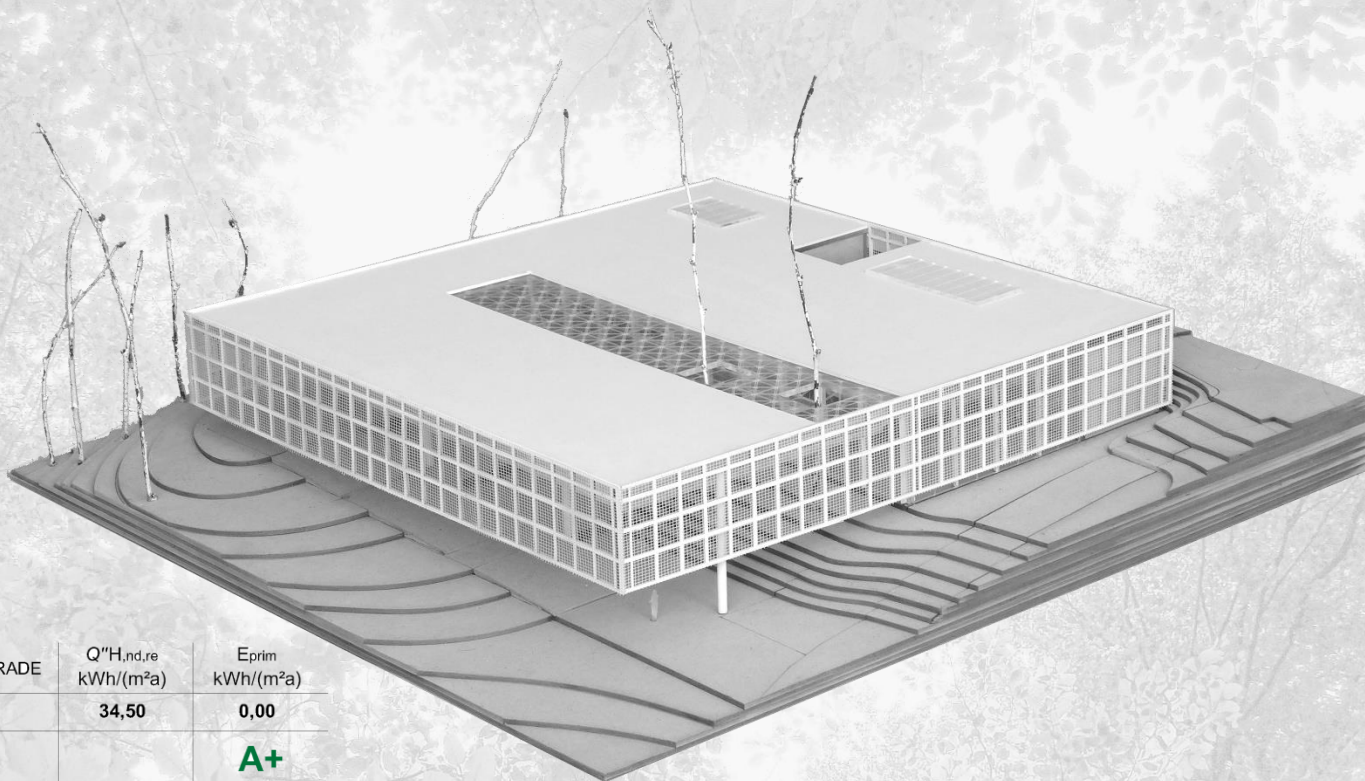


jugozapad



sjeverozapad





ENERGETSKI RAZRED ZGRADE	$Q''_{H,nd,re}$ kWh/(m ² a)	E_{prim} kWh/(m ² a)
	34,50	0,00
A+		A+
A		
B	B	
C		
D		
E		
F		
G		
Specifična godišnja isporučena energija E_{del} kWh/(m ² a)		0,00
Specifična godišnja emisija CO ₂ kg/(m ² a)		0,00
Upisani "izjeb" ako energetičko svojstvo zgrade (Eprim) zadovoljava zahtjeve za zgrade gotovo nulte energije propisane važećim IPRUETZZ		NZEB

