

Value Engineering Assessment

VALUE ENGINEER PROPOSAL	DESCRIPTION	RATIONALE	POTENTIAL SAVINGS	COMMENT
B1. Low slope roof	"Flat Roof" 4 ply b/u or modbit	good quality low cost institutional roof	\$\$\$	R
B2. Pitched roof with comp. shingles	Sloped roof as in current design with shingles common to residential areas	good quality low cost institutional roof with low maintenance and good scale	\$\$	R
C. Suspend equipment above the ceiling	Hang all interior units from structure and above the ceiling	Eliminates mechanical floor area, less convenient for service.	\$\$\$	R
D1. rooftop hvac	package units mounted on roof low efficiency	simplify mechanical system must have flat roof option.	\$\$\$	R
D2. 4 pipe hvac	a standard efficient hvac system	high efficiency ease of operation	\$	R
E. library furniture	keep furniture separate from const.	omits overhead of consultants	\$	R
F. reduce site size	Use more standard 10-12 acres	reduce development and maintenance	\$\$	R
G. parking lot revisions	Provide parking per code not max.	reduce site paving and runoff water	\$\$	R
H. modify parent loop	Include parking with loop drive	reduce site paving and runoff water	\$	R
J. modify irrigation requirements	Irrigate landscaped areas only	reduce cost, maintenance, operation	\$	R
K. modify turf/grass areas	limit sod to early use areas	reduce cost & inflation impact	\$	R
L. simplify masonry	king size brick w/ standard mortar	simplify construction	\$	R
M. simplify canopy	non grade supported, open frame block columns/canteliver	reduce cost with attractive useful structure	\$\$	R
N. modify interior finishes	painted walls and vinyl tile in low impact areas	reduce cost without loss of aesthetics or durability	\$	R
P. lower building profile	Lower the eave height of building	better scale for children	\$	R
R. install slab on grade paving	allow for soil expansion under walks	ease of construction, lower cost	\$	R
T. select developed sites	Buy land in developed areas or land suited to school foot print	road, water, sewer cost and site grading cost are reduced	\$\$\$	R
U. Increase construction time	Provide full 12 months construction	Reduce cost, ease of construction	\$	R
V. Adhere to District standards	Limit changes by staff	Limit waste of redesign	\$	R

R= Recommended by staff.