

PROJECT - Belmont Middle and High School
CLIENT - Town of Belmont
LOCATION - Belmont, MA
5/3/2019
DD VM Combined List

VE Categories / Items	POTENTIAL SAVINGS DISTRIBUTION BY PRIORITY		
	\$ 1	\$ 2	\$ 3
	ACCEPTED Value Engineering Items	Proposed Savings POSSIBLE Needs more discussion	Proposed Savings UNLIKELY at this time
Exterior	(\$6,023,931)	(\$859,455)	(\$9,310,373)
Elevation Design Clarifications	(1,250,551)	0	0
Exterior Closure Reductions	(3,775,034)	(778,210)	(5,526,567)
Reduce Building Height	(998,346)	0	0
Reduce MS Entry	0	(81,245)	0
Canopy Reduction	0	0	(820,504)
EPDM in lieu of TPO roofing	0	0	(153,487)
No New Façade at Existing Building to Remain	0	0	(2,700,000)
Remove all skylights	0	0	(237,165)
New Roof at Existing Building	0	0	127,350
Canopy Drainage Reduction	0	0	0
Delete 50% of HS Entry Canopy	0	0	0
Reduce MS Skylight by 15%	0	0	0
Reduce south canopy roof overhang	0	0	0
Scuppers ILO O/Flow Drains	0	0	0
Interior	(\$8,449,202)	\$219,554	(\$2,692,754)
Black Box catwalk ILO Wire Grid	(100,000)	0	0
Eliminate Stage Grid-Iron platform	(223,250)	0	0
Reduce Auditorium Catwalks	(4,459)	0	0
Reduce Auditorium Ceiling Finishes	(123,375)	0	0
Reduce Casework	(565,222)	0	(830,630)
Reduce Ceiling Finishes	(1,144,233)	0	(114,165)
Reduce Equipment & Hardware	(910,113)	(200,025)	(572,900)
Reduce Floor Finishes & Simplify Floor Construction	(1,080,920)	0	(847,549)
Reduce Glass Walls & Rails	(2,151,855)	(84,175)	0
Reduce height of interior porcelain tile from 10' to 8'	(126,536)	0	0
Reduce Maker Space catwalks to Physics only.	(30,198)	0	0
Reduce Overhead Fire Doors & Shutters	(100,000)	(272,600)	0
Reduce Shades	(331,613)	0	0
Reduce tackable wall surfaces by 50%	(124,274)	0	0
Reduce Wall Finishes & Simplify Wall Construction	(965,282)	(24,925)	(122,240)
Remove K-13 insulation at Small Gym & Field house	(467,873)	0	0
Elevator	0	(40,000)	0
Classroom Hold-Opens: Keep Hardware, Eliminate Secur. Wiring	0	100,800	0
Orchestra Pit	0	740,479	0
Classroom Hold-Opens	0	0	(15,600)
Reduce Operable Partitions	0	0	(165,820)
Simplify Stairs	0	0	(23,850)
Reduce Markerboard in Classrooms	0	0	0
Systems	(\$3,715,773)	(\$686,682)	(\$2,837,038)
Delete Aircurity System	(183,071)	0	0
Delete Fieldhouse AV	(884,658)	0	0
Lighting	(1,474,511)	(138,130)	0
Mechanical	(899,774)	(390,752)	(190,248)
Plumbing	(174,174)	0	0
Reduce AV	(94,964)	0	0
Reduce CCTV Cameras by 20%	(57,949)	0	0
Reduce Generator Size from 2Mw to 1.5 Mw	(146,875)	0	0
Reduce Geothermal Wells	(364,250)	0	0
Reduce Radiant Floor area by 20%	(94,000)	0	0
Reduce the number of Fume Hoods	(168,923)	0	0
Wireless Lighting Controls ILO wired	(175,075)	0	0
Electrical	0	(82,800)	(20,000)
Reduce Geothermal	0	(75,000)	0
Fire Protection	0	0	(26,790)
Fund PV Panels outside construction budget	0	0	(2,600,000)
Electrical Reconciliation Changes	1,002,449	0	0
Site/Structure	(\$6,073,190)	\$146,990	(\$2,758,394)
Eliminate Basement	(411,250)	0	0
Eliminate bike shelters	(23,500)	0	0
Eliminate Bollards @ Drop Offs	(111,625)	0	0
Eliminate Concord St Raised Bike Path	(722,625)	0	0
Eliminate Grannite @ terrace	(113,592)	0	0
Eliminate Illuminated Handrails @ terrace	(5,875)	0	0
Eliminate Seatwalls	(141,881)	0	0
Reduce Cantilevers	(320,925)	0	0
Reduce Hardscaping	(539,478)	0	0
Reduce Landscaping	(675,625)	0	0
Reduce Landscaping West of Harris Field by 20%	(235,000)	0	0
Reduce parking count by 36 spaces	(15,402)	0	0
Reduce Piles	(233,555)	0	0
Reduce Site Benches	(74,906)	0	0
Reduce Site Improvements	(199,171)	0	0
Reduce Slab	(167,991)	0	0
Reduce Structural Steel	(1,716,815)	0	0
Reuse Scoreboards	(14,805)	0	0
Site Lighting	(349,169)	0	0
Clay Pit Pond pathway enhancements	0	(300,000)	0
Eliminate Half of Outdoor Pond Terrace Retaining Walls	0	(20,000)	0
Remove Roof Terrace on 4th Floor	0	(283,010)	0
Add Athletic Field Lighting	0	750,000	0
Reduce tackable wall surfaces by 50%	0	0	(881,298)
Provide Grass Rugby Field in lieu of Turf	0	0	(630,000)
Asphalt Curbs ILO Granite	0	0	(185,000)
Eliminate curb edgers	0	0	(23,100)
Eliminate Ifield Irrigation	0	0	(274,500)
Eliminate Concord Ave & Cottage Intersection signalization	0	0	(200,000)
Delete Phase 3 West Fields	0	0	(1,890,496)
Upgrade to Synthetic Turf Fields	0	0	1,326,000
General Conditions	(\$960,000)	\$0	\$0
Eliminate Groundbreaking Allowance	(10,000)	0	0
Reduce trailer budget and trailers by 25%	(150,000)	0	0
Target Reduction to be Reviewed w. Detailed Staffing Plan	(500,000)	0	0
Trade Cleaning	(300,000)	0	0
TOTAL POTENTIAL SAVINGS	(25,222,096)	(1,179,593)	(17,598,559)
Potential Grand Total Savings	(25,222,096)	(1,179,593)	(17,598,559)