ON-SITE DEVELOPMENT	DIRECT COST ESTIMATED SAVINGS	T COST ESTIMATED SAVINGS ACCEPTED BY SSD		Rejected
Relocate chiller closer to building (adjacent to classrooms). (relocate parking as necessary) (chiller to have acoustical lid)	(\$20,000.00)		0.00	
(potential of adjacent classroom to have insulated glass)				
Simplify chiller enclosure, change from CMU to metal	(\$5,000.00)			\$ (5,000.00)
Change cast-in-place concrete retaining wall (80%) along west edge of track to segmental retaining wall.	(\$16,000.00)	\$	(10,019.00)	
 Delete covered walk between historic buildings and PE/PAC 	(\$135,000.00)	\$	(109,200.00)	
(add small canopy at PE/PAC entry)				
5. Simplify covered walk design. (Not included in total)	(\$55,000.00)			\$ (55,000.00)
6. Revise/simplify site lighting.	(\$50,000.00)	\$	(50,000.00)	
7. Delete reader board.	(\$20,000.00)	\$	(23,000.00)	
Reduce asphalt section from 2-1/2" to 2" thick at light-duty pavement.	(\$7,500.00)	\$	(8,514.00)	
Change west edge of bus loop from concrete curb to thickened asphalt edge (310 LF).	(\$6,000.00)	\$	(11,284.00)	
10. Change 200 LF± of poured vertical concrete curb to	(\$5,000.00)	\$	(6,280.00)	
11. Change underground storm drainage wet pipe to compost	(\$30,000.00)			\$ (30,000.00)
12. Relocate fire service from Alder Street to 25th Avenue.	\$0.00	\$	-	
13. Reduce landscaping.	(\$30,000.00)	\$	(30,000.00)	
14. Change synthetic grass field to all-weather natural grass	(\$250,000.00)			\$ (250,000.00
Slope southeast corner of site up to street level to reduce height/eliminate retaining wall. (eliminate synthetic turf at corner?)	(\$34,000.00)	\$	(8,639.00)	
16. Purchase field event equipment out of FFE budget.	(\$20,000.00)	\$	(19,085.00)	
17. Delete guardrail at north side of gym to chainlink 200 LF.	(\$20,000.00)	\$	(32,275.00)	
18. Delete brick pavers at flag pavilion; change to concrete.	(\$12,000.00)	\$	(18,134.00)	
19. Simplify flag pavilion, delete radiused concrete joints; delete radiused steps. (need opportunity to have donor names in concrete?)	(\$10,000.00)	\$	(29,223.00)	
20. Delete colored concrete paving, change to plain concrete.	(\$15,000.00)			\$ (15,000.00
21. Change concrete ballustrade at entry stairs to steel railing.	(\$60,000.00)	\$	(74,292.00)	
22. Simplify/reduce south east (upper) plaza.	(\$30,\theta00.00)	\$	(39,588.00)	
23. Delete concrete steps/seats at baseball field.	(\$8,000.00)	H		\$ (8,000.00
24. Delete concrete cube benches at flag pavalion (19 each).	(\$10,000.00)	\$	(9,500.00)	•
25. Delete benches at Peace Garden.	(\$3,000.00)	†		\$ (3,000.00
26. Delete (2) @13.96 ramp at south side of historic building. Add (1) ramp @5,000	(\$15,000.00)	\$	(21,392.00)	
27. Delete concrete walk between exit stairs, north of gym.	(\$12,000.00)			\$ (12,000.00
SAVINGS MARK-UP	(\$500,500.00)	-		
TOTAL SITE DEVELOPMENT COST SAVINGS		\$	(500,425.00)	\$ (378,000.00

P.E./PAC BUILDING	DIRECT COST ESTIMATED SAVINGS		ACCEPTED		Rejected
Delete exterior solar screen over auditorium lobby curtain	(\$106,000.00)	\$	(74,431.00)		
Reduce height of curtain wall; change top 3-1/2' of glazing to metal siding at Auditorium lobby (simplify parapet).	(\$20,000.00)	\$	(36,084.00)		
Simplify curtain wall extrusion - delete "fin" detail.	(\$10,000.00)			\$	-
4. South auditorium exit stair. → Delete curtain wall.	(\$13,000.00)	\$	(9,271.00)		
→ Change to single wythe masonry walls with glazing	(#0.F00.00)	<u> </u>	(0.044.00)		
Change curtain wall to metal siding on framing above southeast	(\$3,500.00)	\$	(2,014.00)		
6. Change from curtain wall to storefront over main gym entry.	(\$6,000.00)	\$	(18,547.00)		
7. Eliminate exterior canopies at north gym exits.	(\$10,000.00)	\$	(9,796.00)		
Change "Alucobond" to "Swiss Peart" cement board at Auditorium	(\$5,000.00)		NA 		
 9. Gym exterior exit stairs: → Reduce width from 9'-4" to 6'-8". → Delete CMU structure, use steel columns with chain link → (make stair treads open grating) 	(\$25,000.00)	\$	(56,202.00)		
10. Elevator Tower. → Delete glazing at top of tower, change to metal siding. → Delete sand blasting of concrete finish	(\$15,000.00)	\$	(11,022.00)		
 11. Change Kyak storage to "carport" design: → Chainlink in lieu of walls. → Delete garage door. 	(\$15,000.00)	\$	(17,116.00)		
12. Delete elevator stop at mechanical penthouse.	(\$8,000.00)			\$	(8,000.00)
13. Reduce quantity of H.C. door operators from (3) to (2). None at TLC; 1 at Auditorium; 1 at Gym Main Entry; 1 at PE/PAC	(\$3,500.00)			\$	(3,500.00)
Delete security gates and screen adjacent to main stair (lower level).	(\$6,000.00)	\$	(9,950.00)		
 Change storefront security wall at east stair to perforated metal on steel frame. 	(\$4,000.00)		missing		-
Change CMU wall above procenium opening to metal frame wall. Combined with item # 19	(\$15,000.00)		·	miss	sing
17. Reduce quantity of wood paneling at auditorium. Reduce 8,517 sf to 6,000 sf.	(\$100,000.00)	\$	(160,000.00)		
18. Reduce cost per sq.ft. of wood paneling (\$40.00/sf to \$30.00/sf). With 17 above	(\$60,000.00)				
Change concrete columns and beams at procenium opening to	(\$5,000.00)		YES 4		
20. Reduce quantity of stage lighting fixtures.	(\$10,000.00)	\$	(10,000.00)		
21. Simplify rigging, lighting and curtains in drama room.	(\$10,000.00)	\$	(5,000.00)		
22. Delete access from mid-house catwalk to control room.	(\$16,000.00)	\$	(15,420.00)		
23. Delete catwalk adjacent to procenium opening.	(\$10,000.00)			\$	(10,000.00)
24. Delete (4) general purpose line sets (stage rigging).	(\$12,000.00)	\$	(12,000.00)	-	
25. Purchase overhead acoustical shells through FFE.	(\$60,000.00)	\$	(103,000.00)		
26. Delete (2) pairs of aluminum doors at auditorium lobby.	(\$4,000.00)	\$	(6,000.00)		42
27. Reduce quantity of acoustical doors at auditorium from (17) to	(\$2,500.00)	\$	(8,265.00)		
28. Change metal ceiling to SAC in lower concourse.	(\$24,000.00)	\$	(16,150.00)		

(\$30,000.00)	\$	(5,496.00)		-
(\$33,000.00)	\$	(32,136.00)		
(\$30,000.00)			\$	-
(\$23,000.00)			\$	(23,861.00)
(\$30,000.00)	\$	(24,000.00)		irm
(\$20,000.00)	\$	(24,422.00)		
(\$20,000.00)	\$	(10,760.00)		
(\$5,000.00)	\$	(4,200.00)		
(\$5,000.00)	\$	(5,000.00)		
(\$200,000.00)				· · · · · ·
	\$	(234,220.00)		
(\$30,000.00)	\$	(54,171.00)		
(\$12,500.00)	r	nore research		
(\$15,000.00)	\$	(15,000.00)		
?	\$	(41,465.00)		
(\$940,000.00)	\$	(1,031,138.00)	\$	(45,361.00)
	(\$33,000.00) (\$30,000.00) (\$23,000.00) (\$30,000.00) (\$20,000.00) (\$20,000.00) (\$5,000.00) (\$5,000.00) (\$200,000.00) (\$12,500.00) (\$15,000.00)	(\$33,000.00) \$ (\$30,000.00) (\$23,000.00) (\$23,000.00) \$ (\$20,000.00) \$ (\$20,000.00) \$ (\$5,000.00) \$ (\$5,000.00) \$ (\$200,000.00) \$ (\$200,000.00) \$ (\$200,000.00) \$ (\$12,500.00) \$ (\$12,500.00) \$ (\$15,000.00) \$	(\$33,000.00) \$ (32,136.00) (\$30,000.00) (\$30,000.00) \$ (24,000.00) (\$20,000.00) \$ (24,422.00) (\$20,000.00) \$ (10,760.00) (\$5,000.00) \$ (5,000.00) (\$5,000.00) \$ (5,000.00) (\$200,000.00) \$ (54,171.00) (\$12,500.00) \$ (54,171.00) (\$12,500.00) \$ (15,000.00) (\$15,000.00) \$ (41,465.00) (\$14,465.00)	(\$33,000.00) \$ (32,136.00) \$ (\$30,000.00) \$ (\$23,000.00) \$ (24,000.00) \$ (\$20,000.00) \$ (24,422.00) \$ (\$20,000.00) \$ (10,760.00) \$ (\$5,000.00) \$ (5,000.00) \$ (5,000.00) \$ (\$200,000.00) \$ (54,171.00) \$ (\$12,500.00) \$ (54,171.00) \$ (\$15,000.00) \$ (15,000.00) \$ (\$

TEEN LIFE BUILDING	DIRECT COST ESTIMATED SAVINGS		ACCEPTED		Rejected	
Delete folding wall. Downgrade to accordian wall.	(\$6,000.00)	\$	(10,400.00)			
Relocate existing gym curtain in lieu of providing new.	(\$2,000.00)		-	\$	(2,000.00	
Delete sun shade over office window.	(\$1,500.00)	\$	(1,500.00)			
Delete internal row of columns and associated footings in Lobby.	(\$15,000.00)	\$	(6,919.00)			
SUBTOTAL DIRECT COST ESTIMATED TEEN LIFE BUILDING SAVINGS	(\$16,500.00)		,			
MARK-UP						
TOTAL TEEN LIFE BUILDING COST SAVINGS						
TOTAL SAVINGS	(\$1,457,000.00)	S	(18,819.00)	\$	(2,000.00	

MAIN BUILDING	DIRECT COST ESTIMATED SAVINGS	AC	CEPTED BY SSD	FURT RESE REQUR	ARCH
Eliminate air conditioning (except MDF Room and Elev. Machine Room)	(\$1,200,000)			\$ (1	,200,000
Encourage "School" mechanical contractors to bid Garfield	(\$)	\$	_		
Reduce quantity of acid waste piping. → Provide at (4) labs, west side of atrium only.	(\$50,000)		MISSING		
Delete acid neutralization tank. (ALREADY ADJUSTED)	(\$17,000)	\$			
 Control System: Review assumed number of control points in estimate, reduce as appropriate. 	(\$30,000)	\$	(30,000)		
Substitute round duct for rectangular ducts.	(\$200,000)	\$	-		
Change HVAC system from 4-pipe fan coil to VAV system. (Not included in total)	* (\$100,000)			-	<u> </u>
Change HVAC system from 4-pipe fan coil to gas/electrical roof top units. (Not included in total)	* (\$1,000,000)				•
Reduce quantity of smoke/fire dampers in estimate.	(\$35,000)	\$	(35,000)		
10. Simplify/specifiy less costly TVSS system.	(\$30,000)	\$	(30,000)		
 11. Electrical Floor Boxes: → Approximately 40% of floor boxes are in existing slab-on-grade, therefore reduce/eliminate premium for support of those floor boxes. 6" core with no structure 	(\$50,000)	\$	(98,000)		
 Simplify security system → Reduce number of cameras and security points. (Reduce estimate from \$130,000 to \$100,000) 	(\$30,000)	\$	(30,000)		
 Reduce quantity of data drops. (Reduce quantity from 1,800 drops to 1,500 drops) 	(\$88,000)	\$	(60,000)		
Use MC cabling in lieu of conduit. (Use conduit to classrooms, then MC cable distribution within room)	(\$50,000)	\$	(111,100)		
15. Change enclosed lightwells to open: (Not inclued in total) Delete all skylights	* (\$138,000)	\$	(169,000)		
16. Reduce quantity of skylights in lightwells	(\$140,000)			\$	(114,00
Delete all skylights (4,196 sf) (\$273,000) Add roof structure + \$60,000 Add roofing + \$38,000 Add 700 sf skylights	(\$114,000)				
(\$50/sf for skylights) + \$35,000 17. Delete furring of new and existing concrete shear walls in corridors (except at first floor lobby and north cross-corridor): → Furring and GWB (7,000 sf) (\$26,000) → Wainscot (4 ft. H) (\$10,000) → VWC (3 ft. H) (\$5,000) → Wood trim (\$5,000) → Wainscot finish and pt. above VWC (\$5,000) → Sandblast Concrete + \$15,000 → Anti-Graffitti Coating + \$11,000	(\$25,000)	\$	(61,045)		
Paint GWB in lieu of VWC above wainscoting in corridors (except VWC in Item 17) (except at first floor lobby and cross-corridor)	(\$13,000)			\$	(13,00
19. Use VCT in lieu of linoleum in corridors → Savings (22,700 sf x \$4.50/sf)	(\$102,000)	\$	(15,890)		
20. Use polished and sealed concrete in Student Commons and Atrium.	,	,			
Change to polished concrete in student commons Savings (14,000 sf x \$2.75/sf) remove stain	(\$39,000)	\$	(13,869)		

22. Change terazzo stairs in Student Commons to concrete	tairs (\$25,000)) \$	(21,152)	
23. Reduce quantity of student lockers from 862 to 400. (No total.)	included in * (\$37,00	0)		\$ (37,000)
24. Delete all student lockers; Owner purchase out of FFE but	dget (\$69,00))		\$ (69,000.00)
 Reduce quantity of relites from Student Learning Commons student Commons and Atrium by 50%. (Reduction of 24 relite).)) \$	(9,760)	
 Reduce GWB reveals by 50% in Atrium walls. (Reductio reveals). 	of 1,200 If of (\$14,00	0)	DELETE	
27. Delete door closers on classroom doors (121 doors x \$1	0/ea.). (\$18,00)		\$ (18,000)
28. Delete SAC ceilings in Art Room 3102, 3108, 3109, 3110 → Delete 4,300 sf of SAC	0	SE \$	-	
29. Delete SAC ceilings in Science Labs. (See Item 28)	NO COST CHANG	E	_	
30. Simplify classroom ceilings exposed concrete ceilings	(\$68,00		(58,764)	
Option 2 savings → Delete (1) hanging GWB wall → Delete GWB ceiling at perimeter				
31. Delete handicap lift and new stair at SE entry	(\$17,00	5) \$	(16,892)	an
32. Reduce LCL unit cost for roofing: → LCI: \$8.85/sf x 71,000 sf \$628,35 → Robinson: \$7.25/sf x 71,000 sf \$514,75	I	0)	-	
33. Reduce size of Commons skylight by 500 sf	(\$27,00	O) \$	(24,800)	_
34. Simplify information Commons Computer Lab → Reduce quantity of wall glazing by 50%; replace with wall framing (\$8,0000) → Lexan Panels on steel structure in lieu of curved Kel-Wall (\$15,0000)		0) \$	(15,992)	
35. Delete enclosed atrium, revert to open courtyard. LCL =(111621) (\$300,00	0) \$	(111,621)	
36. Eliminate science capability from Rooms 3308 and 3309 → Delete folding wall (\$10,00 → Delete (8) sinks (\$20,00 → Delete emergency shower (\$2,50 → Add frame wall + \$2,5	(\$30,00 0) 0)			\$ (30,000)
37. Reduce selective demo costs LCL S.D. Est. (without Gym demo) LCL's VE Savings at Schematic Design Phase \$2,470,00 (\$500,00) \$1,970,00 LCL D.D. Est. (without Gym demo) \$2,649,00	<u>))</u>	0)	MISSING	
38. Reduce quantity of VWC in Library → Reduce height by 10', align top of VWC with bottom or existing windows (reduce quantity by 2,900 sf)	(\$7,00	0) \$	(7,105)	
39. Simplify choir room design Delete operable wall. Replace with acoustical frame wall. (\$24,00) Delete eyebrow over folding wall Simplify roof Change CMU wall to metal studs with plywood and GWB. (\$15,00))) 	0) \$	(176,000)	
40. Reduce unit cost of (3) music practice rooms; reduce fro each to \$15,000. (No "virtual sound" feature)	n \$20,000 (\$15,00	0) \$	(15,000)	-
41. Reuse (3) existing Wenger practice rooms. (Not include	in total) * (\$30,00	0)		\$ (30,000)
42. Reduce quantity of whiteboards. Delete center 4' x 5' will each general purpose classroom.		0) \$	(14,472)	
 Change wood sectional door to aluminum sectional door room. 	at art (\$3,00	0) \$	(3,000)	

(\$11.76/sf to \$8.00/sf) Heery to verify.	<u> </u>		
45. Review/reduce steel erection cost. (Per reconciliation discussion).	(\$300,000)	\$	
46. Delete acoustical reflector over procenium arch in Student Commons.	(\$12,000)	\$ (12,000)	
Change mechanical penthouse metal siding from vertical to horizontal. (Not included in total).	* (\$5,000)	already adjusted	
48. Change mechancial penthouse metal siding to cement board lap siding.	(\$24,000)		 -
49. Reduce quantity of acoustical doors from (20) to (15)	(\$12,000)	\$ (13,775)	
50. Change triple pane to double pane windows at band room.	(\$6,000)	MISSING	
 On interior side of all exterior walls, retain existing plaster as final finish. Delete furring, stud framing, insulation and GWB. Patch and paint existing plaster. 	(\$150,000)		\$ (150,000
52. Delete perimeter heating system	(\$200,000)	_	\$ (200,000
53. Delete most duct lining	?	MISSING	
 Substitute stretched vinyl sheet of ACT and GWB for ceilings at Commons & Libray, W. Seattle Library, Seattle Justic Building 	?	MORE RESEARCH	·
SUBTOTAL DIRECT COST ESTIMATED MAIN BUILDING	(\$2,024,000)		
MARK-UP			
TOTAL MAIN BUILDING COST SAVINGS		\$ (1,154,237)	\$ (1,861,000