



PDP Estimate

GFA

156,640

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 2A

GROSS FLOOR AREA CALCULATION

New Building

Level 1	50,703
Level 2	35,534
Level 3	24,446
Level 4	22,152
Level 5	23,805

TOTAL GROSS FLOOR AREA (GFA)				156,640	156,640
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A1010 STANDARD FOUNDATIONS

033000 CONCRETE

Strip Footings	106	CY	\$868	/cy
Foundation Walls	242	CY	\$1,347	/cy
Spread Footings	448	CY	\$646	/cy
Grade beams	19	CY	\$1,634	/cy
Piers	179	CY	\$738	/cy

Total Foundation Concrete	994	CY
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Strip footing: allow 28" x 12"

Formwork	2,336	sf	16.00	37,376
Re-bar	11,680	lbs.	2.00	23,360
Concrete material	106	cy	175.00	18,550
Placing concrete	106	cy	120.00	12,720

Foundation wall: 16" thick

Formwork	9,344	sf	22.00	205,568
Re-bar	18,688	lbs.	2.00	37,376
Concrete material	242	cy	175.00	42,350
Placing concrete	242	cy	120.00	29,040
Form shelf	1,168	lf	10.00	11,680

Spread Footings: 8'x8'x24"

Formwork	2,560	sf	18.00	46,080
Re-bar	22,400	lbs.	2.00	44,800
Concrete material	199	cy	175.00	34,825
Placing concrete	199	cy	120.00	23,880
Set anchor bolts grout plates	40	ea	150.00	6,000

Spread Footings: 10'x10'x24"

Formwork	2,560	sf	18.00	46,080
Re-bar	7,200	lbs.	2.00	14,400
Concrete material	249	cy	155.00	38,595
Placing concrete	249	cy	120.00	29,880
Set anchor bolts grout plates	32	ea	150.00	4,800

Grade beams at braced frames, allow

Formwork	480	sf	18.00	8,640
Re-bar	8,400	lbs.	2.00	16,800
Concrete material	19	cy	175.00	3,325
Placing concrete	19	cy	120.00	2,280

Piers/Pilasters

Formwork	1,814	sf	24.00	43,536
Re-bar	17,900	lbs.	2.00	35,800
Concrete material, 4000psi	179	cy	175.00	31,325
Placing concrete	179	cy	120.00	21,480

Elevator pit	1	loc	50,000.00	50,000
Premium for retaining wall	300	lf	1,210.00	363,000
SOE allowance	4,200	sf	120.00	504,000



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NEW OPTION 2A

61	070001	WATERPROOFING, DAMPPROOFING AND CAULKING					
62		Waterproofing at foundation walls		4,672	sf	6.00	28,032
63		Crystalline waterproofing at elevator pits		720	sf	15.00	10,800
64	072100	THERMAL INSULATION					
65		2" Insulation at foundation walls		4,672	sf	3.50	16,352
67	312000	EARTHWORK					
68		<u>Strip footings/Fdn wall</u>					
69		Excavation		1,038	cy	12.00	12,456
70		Remove off-site		1,038	cy	32.00	33,216
71		Backfill with imported material		932	cy	45.00	41,940
72		<u>Spread footings/Grade beams</u>					
73		Excavation		800	cy	12.00	9,600
74		Remove off-site		800	cy	32.00	25,600
75		Backfill with imported material		333	cy	45.00	14,985
76		<u>Miscellaneous</u>					
77		Gravel fill beneath footings, 12"		110	cy	55.00	6,050
78		Perimeter drain		1,168	lf	32.00	37,376
79		Temporary dewatering for foundation work		1	ls	10,000.00	10,000
80		SUBTOTAL					2,033,953

A1020 SPECIAL FOUNDATIONS

SUBTOTAL

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A1030 LOWEST FLOOR CONSTRUCTION

89	033000	CONCRETE					
90		<u>slab on grade</u>		50,703	sf		
91		VB at slab on grade		50,703	sf	1.25	63,379
92		WWF reinforcement		58,308	sf	1.80	104,954
93		Concrete - 6" thick		986	cy	175.00	172,550
94		Barrier One Admixture		986	cy		Assumed Not Required
95		Placing concrete		986	cy	90.00	88,740
96		Finishing and curing concrete		50,703	sf	3.50	177,461
97		<u>Miscellaneous</u>					
98		Equipment pads		1	ls	10,000.00	10,000
99		Underslab drainage system		50,703	sf	3.00	152,109
100	072100	THERMAL INSULATION					
101		Slab insulation, 2" thick; perimeter only		4,672	sf	3.50	16,352
102	312000	EARTHWORK					
103		<u>Building</u>					
104		Allowance to remove unsuitable fill + replace with structural fill; allow 2ft deep		3,756	cy	105.00	394,380
105		Gravel base, 8"		1,258	cy	55.00	69,190
106		Raise grades with import structural fill - 24"		3,756	cy	60.00	225,360
107		Gravel base, 8"		3,756	cy	45.00	169,020
108		Compact existing sub-grade		50,703	sf	1.00	50,703
109		Under slab E&B for plumbing		50,703	sf	1.50	76,055
110		<u>Miscellaneous</u>					
111		Equipment pads		1	ls	10,000.00	10,000
112		SUBTOTAL					1,780,253

TOTAL - FOUNDATIONS

\$3,814,206

A20 BASEMENT CONSTRUCTION



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NEW OPTION 2A

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A2010 BASEMENT EXCAVATION
No Work in this section
SUBTOTAL

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A2020 BASEMENT WALLS
No Work in this section
SUBTOTAL

-

TOTAL - BASEMENT CONSTRUCTION

B10 SUPERSTRUCTURE

B1010 FLOOR CONSTRUCTION

17.4 lbs/sf
1,359 tns
\$/Ton

033000 CONCRETE

WWF reinforcement	121,828	sf	1.80	219,290
Concrete Fill to metal deck; 3-1/2" normal weight, total thickness 5 1/2"	1,887	cy	175.00	330,225
Concrete Fill for deflection; 3/4"	309	cy	175.00	54,075
Place and finish concrete	105,937	sf	4.00	423,748
Rebar to decks	31,781	lbs	2.00	63,562

051200 STRUCTURAL STEEL FRAMING

Steel floor framing, columns and lateral bracing;				
Floor framing 18 lbs/sf	953	tns	5,500.00	5,241,500
Premium for AESS steel				NIC
Allowance for additional miscellaneous steel angles, plates etc.				assume included in lbs/sf tns
Shear studs	26,484	ea	3.50	92,694
3" metal floor deck	105,937	sf	7.00	741,559

078100 FIREPROOFING/FIRESTOPPING

Fire proofing to columns and beams; 2 hr	105,937	sf	3.00	317,811
SUBTOTAL				7,484,464

B1020 ROOF CONSTRUCTION

033000 CONCRETE - underneath RTU's + play areas

WWF reinforcement	23,513	sf	1.80	42,323
Concrete Fill to metal deck; 3-1/2" normal weight, total thickness 5 1/2"	946	cy	175.00	165,550
Place and finish concrete	20,446	sf	5.00	102,230

051200 STRUCTURAL STEEL FRAMING

Steel floor framing, columns and lateral bracing;				
Floor framing 16 lbs/sf at typical roof	406	tns	5,500.00	2,233,000
Allowance for additional miscellaneous steel angles, plates etc.				assume included in lbs/sf tns
Shear studs	12,676	ea	3.50	44,366
1-1/2" metal floor deck at typical roof	50,703	sf	6.00	304,218
HSS support framing at roof screen				Assumed NR

078100 FIREPROOFING/FIRESTOPPING

Fireproofing to roof deck and structure	50,703	sf	4.00	202,812
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NEW OPTION 2A

179 SUBTOTAL 3,094,499

TOTAL - SUPERSTRUCTURE							\$10,578,963
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184 **B20 EXTERIOR CLOSURE** 69,345 sf

186 **B2010 EXTERIOR WALLS; 77%** 53,396 sf

188 040001 MASONRY; 80% of Solid

189 Brick veneer 42,717 sf 55.00 2,349,435

190 Precast trim 42,717 sf 2.00 85,434

191 Staging/Lifts to exterior wall Included

193 055000 MISCELLANOUS METALS

194 Miscellaneous metals to exterior; lintels, angles etc. 42,717 sf 2.00 85,434

196 070001 WATERPROOFING, DAMPPROOFING AND CAULKING

197 Air barrier 53,396 sf 9.50 507,262

198 Air barrier/flashing at windows 5,316 lf 6.25 33,225

199 Miscellaneous sealants to closure 53,396 sf 0.50 26,698

201 072100 THERMAL INSULATION

202 Mineral wool insulation; 5" Thermax 53,396 sf 8.00 427,168

203 Spray insulation; 1" 53,396 sf 2.00 106,792

204 Insulation at window openings 5,316 lf 6.00 31,896

206 074213 WALL PANELS; 20% of solid

207 Allowance for rainscreen panels: 20% 10,679 sf 110.00 1,174,690

208 Roof screen Assumed NR

210 092900 GYPSUM BOARD ASSEMBLIES

211 6" metal stud backup 53,396 sf 14.00 747,544

212 Gypsum Sheathing 53,396 sf 4.50 240,282

213 Drywall lining to interior face of stud backup 53,396 sf 5.00 266,980

215 101400 SIGNAGE

216 Signage 1 ls 10,000.00 10,000

217 SUBTOTAL 6,092,840

219 **B2020 WINDOWS; 23%** 15,949 sf

221 092900 GYPSUM BOARD ASSEMBLIES

222 Wood blocking at openings 5,316 lf 14.00 74,424

224 079200 JOINT SEALANTS

225 Backer rod & double sealant 5,316 lf 12.00 63,792

227 080001 METAL WINDOWS

228 Windows, Triple-pane low-e insulated units; 80% 12,759 sf 170.00 2,169,030

229 Curtainwall, Triple-pane low-e insulated units; 20% 3,190 sf 190.00 606,100

230 Sun control allowance 400 lf 240.00 96,000

231 Premium for 3M safety film; 25% of glazing 3,987 sf 15.00 59,805

233 089100 LOUVERS

234 Louvers 100 sf 85.00 8,500

235 SUBTOTAL 3,077,651

237 **B2030 EXTERIOR DOORS**

238 Exterior door allowance 156,640 gsf 1.50 234,960



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NEW OPTION 2A

240 SUBTOTAL 234,960

TOTAL - EXTERIOR CLOSURE							\$9,405,451
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B30 ROOFING

B3010 ROOF COVERINGS

249	PVC roofing membrane; (30 yr warranty), BOD Carlisle SureWeld, 80 mil; 11" insulation, includes all blocking, AVB, etc.	50,703	sf	35.00	1,774,605		
250	ACM metal fascia/soffits	1,168	lf	550.00	642,400		
251	Canopy; allowance	1,000	sf	120.00	120,000		
252	Outdoor play areas	20,446	sf	60.00	1,226,760		
253	SUBTOTAL					3,763,765	

B3020 ROOF OPENINGS

257 SUBTOTAL -

TOTAL - ROOFING							\$3,763,765
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C10 INTERIOR CONSTRUCTION

C1010 PARTITIONS

266	Interior partitions complete; new construction	156,640	sf	35.00	5,482,400		
267	SUBTOTAL					5,482,400	

C1020 INTERIOR DOORS

271	Interior doors; complete	156,640	gsf	12.00	1,879,680		
272	SUBTOTAL					1,879,680	

C1030 SPECIALTIES / MILLWORK

055000 MISCELLANEOUS METALS

277	Miscellaneous metals complete	156,640	gsf	3.00	469,920		
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064100 FINISH CARPENTRY

280	Display cases	130	lf	1,400.00	182,000		
281	Circulation desk	15	lf	1,500.00	22,500		
282	Reading nook	50	lf	600.00	30,000		
283	Millwork complete; other spaces	156,640	gsf	4.00	626,560		

070001 WATERPROOFING, DAMPPROOFING AND CAULKING

286	Miscellaneous sealants throughout building	156,640	gsf	1.50	234,960		
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101100 VISUAL DISPLAY SURFACES

289	Marker boards/TB complete	77	rooms	4,400.00	338,800		
290	Interactive White Board projectors					FF&E	

101400 SIGNAGE

293	Special graphics	1	ls	100,000.00	100,000		
294	Signage; complete package	156,640	gsf	1.00	156,640		

102110 TOILET COMPARTMENTS + Accessories

297	Toilet partitions/bathroom accessories	156,640	gsf	1.25	195,800		
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104400 FIRE PROTECTION SPECIALTIES

300	Fire extinguisher cabinets	52	ea	350.00	18,200		
301	AED cabinets	5	ea	350.00	1,750		

105113 LOCKERS



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NEW OPTION 2A							
304	Cubbies + lockers	156,640	gsf	2.00	313,280		
305	SUBTOTAL					2,690,410	
TOTAL - INTERIOR CONSTRUCTION							\$10,052,490
C20 STAIRCASES							
C2010 STAIR CONSTRUCTION							
313	New stairs; complete	12	flt	45,000.00	540,000		
315	Stairs; open learning stair	1	ls	150,000.00	150,000		
316	SUBTOTAL					690,000	
C2020 STAIR FINISHES							
319	Finishes complete	12	flt	11,000.00	132,000		
321	SUBTOTAL					132,000	
TOTAL - STAIRCASES							\$822,000
C30 INTERIOR FINISHES							
C3010 WALL FINISHES							
329	Allowance for wall finishes complete	156,640	gsf	9.00	1,409,760		
331	SUBTOTAL					1,409,760	
C3020 FLOOR FINISHES							
334	HD Linoleum; Typical spaces	120,814	sf	8.00	966,512		
336	Terrazzo tile at lobby	3,000	sf	50.00	150,000		
337	Ceramic floor to toilets	5,394	sf	32.00	172,608		
338	Carpet	6,000	sf	6.70	40,200		
339	HD linoleum flooring at cafeteria	4,200	sf	8.00	33,600		
340	Maple athletic flooring in gymnasium	7,500	sf	24.00	180,000		
341	Platform flooring	1,900	sf	28.00	53,200		
342	SUBTOTAL					1,596,120	
C3030 CEILING FINISHES							
345	Ceilings; complete package	156,640	sf	14.00	2,192,960		
347	SUBTOTAL					2,192,960	
TOTAL - INTERIOR FINISHES							\$5,198,840
D10 CONVEYING SYSTEMS							
D1010 ELEVATOR							
142000	ELEVATOR						
357	New five stop elevator	1	ls	400,000.00	400,000		
358	SUBTOTAL					400,000	
TOTAL - CONVEYING SYSTEMS							\$400,000
D20 PLUMBING							
D20 PLUMBING, GENERALLY							
367	Plumbing complete	156,640	gsf	26.00	4,072,640		
368	SUBTOTAL					4,072,640	



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NEW OPTION 2A

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TOTAL - PLUMBING							\$4,072,640
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D30 HVAC

D30	HVAC, GENERALLY						
	Allowance for all electric ASHP system	156,640	gsf	90.00	14,097,600		
	SUBTOTAL					14,097,600	

TOTAL - HVAC							\$14,097,600
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D40 FIRE PROTECTION

D40	FIRE PROTECTION, GENERALLY						
	Allowance for fire pump	1	ls	130,000.00	130,000		
	Wet system complete	156,640	gsf	9.00	1,409,760		
	SUBTOTAL					1,539,760	

TOTAL - FIRE PROTECTION							\$1,539,760
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D50 ELECTRICAL

D5010 SERVICE & DISTRIBUTION

Gear & Distribution

Normal Power

	4000A 480/277V switchboard	1	ea	160,000.00	160,000		
	Submeters	1	ls	50,000.00	50,000		
	Associated transformers, panelboards and feeders	156,640	gsf	7.00	1,096,480		

Emergency power

	750KW diesel emergency generator and associated gear and distribution	1	ls	400,000.00	400,000		
	Associated ATS's, transformers, panelboards and feeders	156,640	gsf	3.00	469,920		

Photovoltaic System

	Infrastructure for system	1	ls	20,000.00	20,000		
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Uninterruptible Power Supply

	UPS system					NIC	
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Equipment Wiring feeds and connection

	Misc. mechanical and plumbing equipment feed and connections	156,640	gsf	4.00	626,560		
	Gymnasium equipment feeds and connections	1	ls	15,000.00	15,000		
	kitchen equipment feeds and connections	1	ls	25,000.00	25,000		
	SUBTOTAL					2,862,960	

D5020 LIGHTING & POWER

Lighting & Branch Power

	Lighting (fixtures + install) includes lighting circuitry	156,640	gsf	15.00	2,349,600		
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Lighting controls

	Networked lighting control system	156,640	gsf	1.50	234,960		
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Branch devices

	Receptacles/device boxes + wiring	156,640	gsf	5.00	783,200		
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	SUBTOTAL					3,367,760	
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D5030 COMMUNICATION & SECURITY SYSTEMS

Technology Systems

Procured & installed during the Equipment Phase (FF&E)

	Instructional Video Presentation Equipment					FF&E	
	Computer Network Equipment					FF&E	
	Computer carts & lockers					FF&E	
	Network copier/printer equipment					FF&E	
	Portable Video presentation system					FF&E	
	Cafeteria POS equipment					FF&E	



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NEW OPTION 2A

431	Visitor management system					FF&E	
432	Short throw projectors including cabling					FF&E	
433	<u>Telecommunications - Voice/Data Structured Cabling System</u>						
434	Network switches, routers, firewalls, servers, VOIP, etc.	1	ls			FF&E	
435	Telcom devices, cabling and rough-in	156,640	gsf	3.50	548,240		
436	<u>Digital Signage System</u>						
437	Digital Signage System	156,640	gsf	0.50	78,320		
438	Flat panel display					Included above	
439	Magic info messaging software					Included above	
440	Digital site signage system rough-in and cabling					Included above	
441	<u>Fire Alarm</u>						
442	FA system	156,640	gsf	3.50	548,240		
443	Mass Notification	156,640	gsf	0.50	78,320		
444	<u>Distribution Antennae System</u>						
445	BDA/DAS system, allow	156,640	gsf	0.75	117,480		
446	BDA annunciator					Included above	
447	Splitter					Included above	
448	Police/Fire/School panels					Included above	
449	Lightning & surge protection unit					Included above	
450	Rough-in					Included above	
451	<u>Distributed Communication - Public Address System + Clock system</u>						
452	Complete package	156,640	gsf	1.50	234,960		
453	<u>Classroom Audio (Speech amplification)</u>						
454	Speech amplification	77	rms	3,500.00	269,500		
455	<u>Audio Visual Systems</u>						
456	General building AV equipment					By Owner	
457	Rough-in	156,640	gsf	0.75	117,480		
458	Gymnasium sound system, allow	1	ls	15,000.00	15,000		
459	Cafeteria sound system, allow	1	ls	20,000.00	20,000		
460	Cafeteria Projector	1	ls	25,000.00	25,000		
461	Music Room	1	ls	10,000.00	10,000		
462	<u>Cafetorium</u>						
463	Stage lighting and dimming package, allow	1	ls	75,000.00	75,000		
464	<u>Video Management - CCTV System</u>						
465	Head end + cameras	156,640	gsf	3.00	469,920		
466	<u>Access Control- Intrusion Alarm</u>						
467	Head end + devices	156,640	gsf	2.00	313,280		
468	SUBTOTAL						2,920,740
469							
470	D5040 OTHER ELECTRICAL SYSTEMS						
471	<u>Common Work Results</u>						
472	Lightning Protection	50,703	sf	0.50	25,352		
473	Temp power and lights; Coordination; BIM	156,640	sf	5.00	783,200		
474	Permits and fees					Assumed Waived	
475	SUBTOTAL						808,552
476							
477	TOTAL - ELECTRICAL						\$9,960,012
478							
479							
480	E10 EQUIPMENT						
481							
482	E10 EQUIPMENT, GENERALLY						
483							
484	113100 APPLIANCES						
485	Residential appliances; allowance	1	ls	16,000.00	16,000		
486							
487	114000 FOODSERVICE EQUIPMENT						
488	Kitchen equipment	2,600	sf	300.00	780,000		
489							



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NEW OPTION 2A

490	115213	PROJECTION SCREENS						
491		Projection screen - 12' wide; cafeteria, stage	2	ea	8,000.00	16,000		
492								
493	116200	THEATRE EQUIPMENT						
494		Curtain and rigging	1	ls	110,000.00	110,000		
495								
496								
497	116600	ATHLETIC EQUIPMENT						
498		Wall Pads	1,920	sf	18.00	34,560		
499		Gym divider	1	ls	38,000.00	38,000		
500		Gym backboards; retractable	6	loc	12,000.00	72,000		
501		Gym equipment; chin-up bars, climbing ropes, cargo nets, volleyball sleeves, scoreboard etc.	1	ls	12,600.00	12,600		
502		SUBTOTAL					1,079,160	
503								
504	TOTAL - EQUIPMENT							\$1,079,160

E20 FURNISHINGS

E2010 FIXED FURNISHINGS

510	122100	WINDOW TREATMENT						
512		Shades complete; rolling mesh	15,949	sf	9.00	143,541		
513								
514	123000	CASEWORK						
515		Classroom Casework	156,640	gsf	14.00	2,192,960		
516		SUBTOTAL					2,336,501	
517								
518	E2020 MOVABLE FURNISHINGS							
519		All movable furnishings to be provided and installed by owner						
520		SUBTOTAL					NIC	
521								
522	TOTAL - FURNISHINGS							\$2,336,501

F10 SPECIAL CONSTRUCTION

F10 SPECIAL CONSTRUCTION
 SUBTOTAL

TOTAL - SPECIAL CONSTRUCTION							
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F20 SELECTIVE BUILDING DEMOLITION

F2010 BUILDING ELEMENTS DEMOLITION
 SUBTOTAL

538	F2020 HAZARDOUS COMPONENTS ABATEMENT						
539		See main summary for HazMat allowance				See Summary	
540		SUBTOTAL					

TOTAL - SELECTIVE BUILDING DEMOLITION

TRADE SUBTOTAL \$77,121,388



PDP Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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SITework OPTION 2A

1	G	SITework	60,000	sf		-	
2							
3							
4	G10	SITE PREPARATION & DEMOLITION					
5	311000	GENERAL CONDITIONS					
6		6' high site construction fence	2,100	lf	20.00	42,000	
7		Site construction fence gates and entrance - assume	1	loc	15,000.00	15,000	
8		Mobilizations	1	ea	50,000.00	50,000	
9		Temp laydown areas	1	ls	10,000.00	10,000	
10		Temporary construction signs	1	ls	5,000.00	5,000	
11		Layout/As-builts/Survey	1	ls	15,000.00	15,000	
12							
13	311000	PHASING					
14		Allowance for phasing/logistics	1	ls		NR	
15	311000	SITE DEMOLITION AND RELOCATIONS					
16		Demolish existing site surfaces	55,000	sf	1.50	82,500	
17		Miscellaneous site demolition; furnishings, concrete pads, signs etc.	1	ls	50,000.00	50,000	
18	311000	UTILITY DEMOLITION					
19		Demolish existing utility lines	500	lf	25.00	12,500	
20		Demolish existing utility structures	1	ea	500.00	500	
21		Cut/cap utility lines	1	ls	30,000.00	30,000	
22							
23	311000	SITE DEMOLITION AND RELOCATIONS					
24		Clear trees; minor clear + grub	1	ls	20,000.00	20,000	
25		Miscellaneous site demolition	1	ls	50,000.00	50,000	
26							
27	312000	EROSION & SEDIMENT CONTROL					
28		Silt Fence; installation and removal	2,100	lf	14.00	29,400	
29		Street sweeping & dust control allowance	1	ls	25,000.00	25,000	
30		Erosion Control monitoring & maintenance	1	ls	20,000.00	20,000	
31		SUBTOTAL					456,900
32							
33	312000	SITE EARTHWORK					
34		<u>Site Earthwork</u>					
35		Cut and fills; allowance for 3ft across site	6,667	cy	40.00	266,680	
36		Strip topsoil; 12"	741	cy	15.00	11,115	
37		Sub grade establishment and fine grading	6,667	sy	2.00	13,334	
38							
39	312000	HAZARDOUS MATERIALS					
40		None included				Excluded	
41		SUBTOTAL					291,129
42							
43	G20	SITE IMPROVEMENTS					
44	320000	ROADWAYS AND PARKING LOTS					No Work assumed
45		<u>Asphalt Paving; parking lots and roadway</u>	0	sf			
46		gravel base; 12" thick	0	cy	45.00		
47		asphalt top; 1.5" thick	0	tns	220.00		
48		asphalt binder; 2" thick	0	tns	190.00		
49							
50	320000	CURBING					
51		Vertical granite curb; assume ETR at sidewalks	1,100	lf	55.00	ETR	
52		ADA Curb cuts - assume	4	ea	3,000.00	12,000	
53							
54	320000	ROAD MARKINGS AND SIGNS					



PDP Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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SITEWORK OPTION 2A

59	Sign allowance	1	ls	30,000.00	30,000		
60	Pavement markings allowance	1	ls	25,000.00	25,000		
61	Crosswalk hatching - allowance	3	loc	10,000.00	30,000		
62	SUBTOTAL					97,000	

64	320000 PEDESTRIAN PAVING						
65	Pavers at entrances/plaza etc.	16,300	sf	40.00	652,000		
66	<u>Allowance for pedestrian walks: Concrete</u>	18,000	sf				
67	gravel base; 8" thick	447	cy	45.00	20,115		
68	Concrete slab paving; 4" thick	18,000	sf	15.00	270,000		
69	SUBTOTAL					942,115	

71	320000 SITE IMPROVEMENTS						
72	320000 SITE FURNISHINGS; allowances						
73	Outdoor classroom - equipment and site furnishings	1	ls	75,000.00	75,000		
74	Flag poles	2	loc	8,000.00	16,000		
75	Benches; stainless steel	20	loc	3,000.00	60,000		
76	Benches; concrete	14	loc	5,000.00	70,000		
77	Bollards; stainless steel, includes base	40	loc	2,900.00	116,000		
78	Bollards; standard	20	loc	1,600.00	32,000		
79	Bicycle racks	50	loc	1,500.00	75,000		
80	Recycling/trash	3	loc	2,800.00	8,400		
81	320000 PLAY AREAS						
82	<u>Playground - pour-in-place safety surfacing - assume</u>	6,000	sf				
83	gravel base; 8" thick	149	cy	45.00	6,705		
84	Pour-in-place safety surface	6,000	sf	35.00	210,000		
85	Allowance for play equipment; including on roof	1	ls	800,000.00	800,000		
86	Fence	745	lf	150.00	111,750		
87	SUBTOTAL					1,580,855	

90	329900 SITE WALLS						
91	Allowance for seat walls	1	ls	100,000.00	100,000		
92	SUBTOTAL					100,000	

94	Landscaping						
95	320000 ATHLETIC LANDSCAPING;						
96	Allowance for multi-use field	5,000	sf	15.00	75,000		
97	Allowance for potential green space	12,000	sf	10.00	120,000		
99	329900 LAWN AND SEED						
100	Topsoil - Screen existing	741	cy	25.00	18,525		
101	Topsoil - Export tailings; 10%	74	cy	8.00	592		
102	Soil amend + reuse existing	667	cy	60.00	40,020		
103	Allowance for loam and seed allowance	30,000	sf	0.35	10,500		
104	Bioswale/Raingarden; seed mix	11,515	sf	1.00	11,515		
105	Allowance for Trees/shrubs/plantings	1	ls	200,000.00	200,000		
106	SUBTOTAL					476,152	

108	G30 CIVIL MECHANICAL UTILITIES						
109	210000 FIRE + WATER						



Winter Hill Community Innovation School
Somerville, MA
Add/Reno + New OPTIONS

24-Mar-26

PDP Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
SITework OPTION 2A							
110	4" CLDI	100	lf	70.00	7,000		
111	8" CLDI	200	lf	150.00	30,000		
112	Hydrant with Gate valve	4	ea	3,500.00	14,000		
113	Fire department connection	1	ea	2,500.00	2,500		
114	PIV	1	ea	2,000.00	2,000		
115	Connect to existing water line	1	ea	40,000.00	40,000		
116	SUBTOTAL					95,500	
117							
118	333000 SANITARY SEWER						
119	8" PVC	300	lf	60.00	18,000		
120	SMH	3	ea	4,500.00	13,500		
121	Grease trap - assumed 4,000 gal.	1	ea	20,000.00	20,000		
122	Connect to existing	1	ea	15,000.00	15,000		
123	SUBTOTAL					66,500	
124							
125	334000 STORM DRAINAGE						
126	Stormwater systems; allowance for underground detention	1	ls	1,500,000	1,500,000		
127	Stormwater systems; allowance	40,300	sf	15.00	604,500		
128	SUBTOTAL					2,104,500	
129							
130							
131	G40 ELECTRICAL UTILITIES						
132	Site Civil for Electrical						
133	<u>Concrete:</u>						
134	Primary duct bank (allow)	300	lf	30.00	9,000		
135	Secondary duct bank	50	lf	40.00	2,000		
136	Generator duct bank	50	lf	20.00	1,000		
137	Communications duct bank	300	lf	20.00	6,000		
138	Transformer pad	1	ea	2,000.00	2,000		
139	Generator pad	1	ea	2,000.00	2,000		
140	<u>Excavation & Backfill:</u>						
141	Primary duct bank	300	lf	30.00	9,000		
142	Secondary duct bank	60	lf	28.00	1,680		
143	Generator duct bank	60	lf	22.00	1,320		
144	Communications duct bank	300	lf	22.00	6,600		
145	<u>Power</u>						
146	Utility company back charges (allow)	1	ls			By Owner	
147	New manhole	1	ea	9,000.00	9,000		
148	Utility company pad mounted transformer					Utility co.	
149	Primary duct bank 2-4" empty conduit	300	lf	40.00	12,000		
150	4000A Secondary duct bank, allow	50	lf	1,470.00	73,500		
151	Generator duct bank, allow	50	lf	1,025.00	51,250		
152	<u>Communications , allow</u>						
153	Utility company back charges (allow)	1	ls			By Owner	
154	Telecom duct bank 4-4" conduits	300	lf	80.00	24,000		
155	New manhole	1	ea	8,500.00	8,500		
156	<u>Site Lighting</u>						
157	Site lighting and circuitry; Allowance	1	ls	100,000.00	100,000		
158	<u>Site Security , allow</u>						
159	Pole cameras and circuitry	1	ls	25,000.00	25,000		
160	<u>EV Charging Stations (allow)</u>						
161	Assumed NR						
162	SUBTOTAL					343,850	
163							
TOTAL - SITE DEVELOPMENT OPTION 2A							\$6,554,501



PDP Estimate

GFA

176,000

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 2B

GROSS FLOOR AREA CALCULATION

New Building

Level 1	52,436
Level 2	38,987
Level 3	28,259
Level 4	29,360
Level 5	26,958

TOTAL GROSS FLOOR AREA (GFA)				176,000	176,000
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A1010 STANDARD FOUNDATIONS

033000 CONCRETE

Strip Footings	110	CY	\$870	/cy
Foundation Walls	252	CY	\$1,347	/cy
Spread Footings	448	CY	\$646	/cy
Grade beams	19	CY	\$1,634	/cy
Piers	179	CY	\$738	/cy

Total Foundation Concrete	1,008	CY
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Strip footing: allow 28" x 12"

Formwork	2,432	sf	16.00	38,912
Re-bar	12,160	lbs.	2.00	24,320
Concrete material	110	cy	175.00	19,250
Placing concrete	110	cy	120.00	13,200

Foundation wall: 16" thick

Formwork	9,728	sf	22.00	214,016
Re-bar	19,456	lbs.	2.00	38,912
Concrete material	252	cy	175.00	44,100
Placing concrete	252	cy	120.00	30,240
Form shelf	1,216	lf	10.00	12,160

Spread Footings: 8'x8'x24"

Formwork	2,560	sf	18.00	46,080
Re-bar	22,400	lbs.	2.00	44,800
Concrete material	199	cy	175.00	34,825
Placing concrete	199	cy	120.00	23,880
Set anchor bolts grout plates	40	ea	150.00	6,000

Spread Footings: 10'x10'x24"

Formwork	2,560	sf	18.00	46,080
Re-bar	7,200	lbs.	2.00	14,400
Concrete material	249	cy	155.00	38,595
Placing concrete	249	cy	120.00	29,880
Set anchor bolts grout plates	32	ea	150.00	4,800

Grade beams at braced frames, allow

Formwork	480	sf	18.00	8,640
Re-bar	8,400	lbs.	2.00	16,800
Concrete material	19	cy	175.00	3,325
Placing concrete	19	cy	120.00	2,280

Piers/Pilasters

Formwork	1,814	sf	24.00	43,536
Re-bar	17,900	lbs.	2.00	35,800
Concrete material, 4000psi	179	cy	175.00	31,325
Placing concrete	179	cy	120.00	21,480

Elevator pit	1	loc	50,000.00	50,000
Premium for retaining wall	300	lf	1,210.00	363,000
SOE allowance	4,200	sf	120.00	504,000



PDP Estimate

GFA

176,000

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 2B

61	070001	WATERPROOFING, DAMPPROOFING AND CAULKING					
62		Waterproofing at foundation walls		4,864	sf	6.00	29,184
63		Crystalline waterproofing at elevator pits		720	sf	15.00	10,800
64	072100	THERMAL INSULATION					
65		2" Insulation at foundation walls		4,864	sf	3.50	17,024
67	312000	EARTHWORK					
68		<u>Strip footings/Fdn wall</u>					
69		Excavation		1,081	cy	12.00	12,972
70		Remove off-site		1,081	cy	32.00	34,592
71		Backfill with imported material		971	cy	45.00	43,695
72		<u>Spread footings/Grade beams</u>					
73		Excavation		800	cy	12.00	9,600
74		Remove off-site		800	cy	32.00	25,600
75		Backfill with imported material		333	cy	45.00	14,985
76		<u>Miscellaneous</u>					
77		Gravel fill beneath footings, 12"		114	cy	55.00	6,270
78		Perimeter drain		1,216	lf	32.00	38,912
79		Temporary dewatering for foundation work		1	ls	10,000.00	10,000
80		SUBTOTAL					2,058,270

A1020 SPECIAL FOUNDATIONS

SUBTOTAL

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A1030 LOWEST FLOOR CONSTRUCTION

89	033000	CONCRETE					
90		<u>slab on grade</u>		52,436	sf		
91		VB at slab on grade		52,436	sf	1.25	65,545
92		WWF reinforcement		60,301	sf	1.80	108,542
93		Concrete - 6" thick		1,020	cy	175.00	178,500
94		Barrier One Admixture		1,020	cy		Assumed Not Required
95		Placing concrete		1,020	cy	90.00	91,800
96		Finishing and curing concrete		52,436	sf	3.50	183,526
97		<u>Miscellaneous</u>					
98		Equipment pads		1	ls	10,000.00	10,000
99		Underslab drainage system		52,436	sf	3.00	157,308
100	072100	THERMAL INSULATION					
101		Slab insulation, 2" thick; perimeter only		4,864	sf	3.50	17,024
102	312000	EARTHWORK					
103		<u>Building</u>					
104		Allowance to remove unsuitable fill + replace with structural fill; allow 2ft deep		3,884	cy	105.00	407,820
105		Gravel base, 8"		1,301	cy	55.00	71,555
106		Raise grades with import structural fill - 24"		3,884	cy	60.00	233,040
107		Gravel base, 8"		3,884	cy	45.00	174,780
108		Compact existing sub-grade		52,436	sf	1.00	52,436
109		Under slab E&B for plumbing		52,436	sf	1.50	78,654
110		<u>Miscellaneous</u>					
111		Equipment pads		1	ls	10,000.00	10,000
112		SUBTOTAL					1,840,530

TOTAL - FOUNDATIONS

\$3,898,800

A20 BASEMENT CONSTRUCTION



PDP Estimate

GFA

176,000

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 2B

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A2010 BASEMENT EXCAVATION
No Work in this section
SUBTOTAL

-

A2020 BASEMENT WALLS
No Work in this section
SUBTOTAL

-

TOTAL - BASEMENT CONSTRUCTION

B10 SUPERSTRUCTURE

B1010 FLOOR CONSTRUCTION

17.4 lbs/sf
1,531 tns
\$/Ton

033000 CONCRETE

WWF reinforcement	142,099	sf	1.80	255,778
Concrete Fill to metal deck; 3-1/2" normal weight, total thickness 5 1/2"	2,201	cy	175.00	385,175
Concrete Fill for deflection; 3/4"	360	cy	175.00	63,000
Place and finish concrete	123,564	sf	4.00	494,256
Rebar to decks	37,069	lbs	2.00	74,138

051200 STRUCTURAL STEEL FRAMING

Steel floor framing, columns and lateral bracing;				
Floor framing 18 lbs/sf	1,112	tns	5,500.00	6,116,000
Premium for AESS steel				NIC
Allowance for additional miscellaneous steel angles, plates etc.				assume included in lbs/sf tns
Shear studs	30,891	ea	3.50	108,119
3" metal floor deck	123,564	sf	7.00	864,948

078100 FIREPROOFING/FIRESTOPPING

Fire proofing to columns and beams; 2 hr	123,564	sf	3.00	370,692
SUBTOTAL				8,732,106

B1020 ROOF CONSTRUCTION

033000 CONCRETE - underneath RTU's + play areas

WWF reinforcement	21,814	sf	1.80	39,265
Concrete Fill to metal deck; 3-1/2" normal weight, total thickness 5 1/2"	979	cy	175.00	171,325
Place and finish concrete	18,969	sf	5.00	94,845

051200 STRUCTURAL STEEL FRAMING

Steel floor framing, columns and lateral bracing;				
Floor framing 16 lbs/sf at typical roof	419	tns	5,500.00	2,304,500
Allowance for additional miscellaneous steel angles, plates etc.				assume included in lbs/sf tns
Shear studs	13,109	ea	3.50	45,882
1-1/2" metal floor deck at typical roof	52,436	sf	6.00	314,616
HSS support framing at roof screen				Assumed NR

078100 FIREPROOFING/FIRESTOPPING

Fireproofing to roof deck and structure	52,436	sf	4.00	209,744
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PDP Estimate

GFA

176,000

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 2B

179 SUBTOTAL 3,180,177

TOTAL - SUPERSTRUCTURE						\$11,912,283
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184 **B20 EXTERIOR CLOSURE** 75,795 sf

186 **B2010 EXTERIOR WALLS; 77%** 58,362 sf

188 040001 MASONRY; 80% of Solid

189 Brick veneer 46,690 sf 55.00 2,567,950

190 Precast trim 46,690 sf 2.00 93,380

191 Staging/Lifts to exterior wall Included

193 055000 MISCELLANOUS METALS

194 Miscellaneous metals to exterior; lintels, angles etc. 46,690 sf 2.00 93,380

196 070001 WATERPROOFING, DAMPPROOFING AND CAULKING

197 Air barrier 58,362 sf 9.50 554,439

198 Air barrier/flashing at windows 5,811 lf 6.25 36,319

199 Miscellaneous sealants to closure 58,362 sf 0.50 29,181

201 072100 THERMAL INSULATION

202 Mineral wool insulation; 5" Thermax 58,362 sf 8.00 466,896

203 Spray insulation; 1" 58,362 sf 2.00 116,724

204 Insulation at window openings 5,811 lf 6.00 34,866

206 074213 WALL PANELS; 20% of solid

207 Allowance for rainscreen panels: 20% 11,672 sf 110.00 1,283,920

208 Roof screen Assumed NR

210 092900 GYPSUM BOARD ASSEMBLIES

211 6" metal stud backup 58,362 sf 14.00 817,068

212 Gypsum Sheathing 58,362 sf 4.50 262,629

213 Drywall lining to interior face of stud backup 58,362 sf 5.00 291,810

215 101400 SIGNAGE

216 Signage 1 ls 10,000.00 10,000

217 SUBTOTAL 6,658,562

219 **B2020 WINDOWS; 23%** 17,433 sf

221 092900 GYPSUM BOARD ASSEMBLIES

222 Wood blocking at openings 5,811 lf 14.00 81,354

224 079200 JOINT SEALANTS

225 Backer rod & double sealant 5,811 lf 12.00 69,732

227 080001 METAL WINDOWS

228 Windows, Triple-pane low-e insulated units; 80% 13,946 sf 170.00 2,370,820

229 Curtainwall, Triple-pane low-e insulated units; 20% 3,487 sf 190.00 662,530

230 Sun control allowance 400 lf 240.00 96,000

231 Premium for 3M safety film; 25% of glazing 4,358 sf 15.00 65,370

233 089100 LOUVERS

234 Louvers 100 sf 85.00 8,500

235 SUBTOTAL 3,354,306

237 **B2030 EXTERIOR DOORS**

239 Exterior door allowance 176,000 gsf 1.50 264,000



PDP Estimate

GFA

176,000

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 2B

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SUBTOTAL 264,000

TOTAL - EXTERIOR CLOSURE \$10,276,868

B30 ROOFING

B3010 ROOF COVERINGS

PVC roofing membrane; (30 yr warranty), BOD Carlisle SureWeld, 80 mil; 11" insulation, includes all blocking, AVB, etc. **52,436** sf 35.00 1,835,260

ACM metal fascia/soffits **1,216** lf 550.00 668,800

Canopy; allowance **1,000** sf 120.00 120,000

Outdoor play areas **18,969** sf 60.00 1,138,140

SUBTOTAL 3,762,200

B3020 ROOF OPENINGS

SUBTOTAL -

TOTAL - ROOFING \$3,762,200

C10 INTERIOR CONSTRUCTION

C1010 PARTITIONS

Interior partitions complete; new construction **176,000** sf 35.00 6,160,000

SUBTOTAL 6,160,000

C1020 INTERIOR DOORS

Interior doors; complete **176,000** gsf 12.00 2,112,000

SUBTOTAL 2,112,000

C1030 SPECIALTIES / MILLWORK

055000 MISCELLANEOUS METALS

Miscellaneous metals complete **176,000** gsf 3.00 528,000

064100 FINISH CARPENTRY

Display cases **130** lf 1,400.00 182,000

Circulation desk **15** lf 1,500.00 22,500

Reading nook **50** lf 600.00 30,000

Millwork complete; other spaces **176,000** gsf 4.00 704,000

070001 WATERPROOFING, DAMPPROOFING AND CAULKING

Miscellaneous sealants throughout building **176,000** gsf 1.50 264,000

101100 VISUAL DISPLAY SURFACES

Marker boards/TB complete **86** rooms 4,400.00 378,400

Interactive White Board projectors FF&E

101400 SIGNAGE

Special graphics **1** ls 100,000.00 100,000

Signage; complete package **176,000** gsf 1.00 176,000

102110 TOILET COMPARTMENTS + Accessories

Toilet partitions/bathroom accessories **176,000** gsf 1.25 220,000

104400 FIRE PROTECTION SPECIALTIES

Fire extinguisher cabinets **59** ea 350.00 20,650

AED cabinets **5** ea 350.00 1,750

105113 LOCKERS



PDP Estimate

GFA 176,000

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 2B

304	Cubbies + lockers	176,000	gsf	2.00	352,000		
305	SUBTOTAL					2,979,300	
TOTAL - INTERIOR CONSTRUCTION							\$11,251,300

C20 STAIRCASES

C2010 STAIR CONSTRUCTION

313	New stairs; complete	12	flt	45,000.00	540,000		
315	Stairs; open learning stair	1	ls	150,000.00	150,000		
316	SUBTOTAL					690,000	

C2020 STAIR FINISHES

319	Finishes complete	12	flt	11,000.00	132,000		
321	SUBTOTAL					132,000	

TOTAL - STAIRCASES

\$822,000

C30 INTERIOR FINISHES

C3010 WALL FINISHES

329	Allowance for wall finishes complete	176,000	gsf	9.00	1,584,000		
331	SUBTOTAL					1,584,000	

C3020 FLOOR FINISHES

334	HD Linoleum; Typical spaces	139,206	sf	8.00	1,113,648		
336	Terrazzo tile at lobby	3,000	sf	50.00	150,000		
337	Ceramic floor to toilets	5,394	sf	32.00	172,608		
338	Carpet	6,000	sf	6.70	40,200		
339	HD linoleum flooring at cafeteria	4,200	sf	8.00	33,600		
340	Maple athletic flooring in gymnasium	7,500	sf	24.00	180,000		
341	Platform flooring	1,900	sf	28.00	53,200		
342	SUBTOTAL					1,743,256	

C3030 CEILING FINISHES

345	Ceilings; complete package	176,000	sf	14.00	2,464,000		
347	SUBTOTAL					2,464,000	

TOTAL - INTERIOR FINISHES

\$5,791,256

D10 CONVEYING SYSTEMS

D1010 ELEVATOR

142000 ELEVATOR

357	New five stop elevator	1	ls	400,000.00	400,000		
358	SUBTOTAL					400,000	

TOTAL - CONVEYING SYSTEMS

\$400,000

D20 PLUMBING

D20 PLUMBING, GENERALLY

367	Plumbing complete	176,000	gsf	26.00	4,576,000		
368	SUBTOTAL					4,576,000	



PDP Estimate

GFA 176,000

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 2B

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TOTAL - PLUMBING							\$4,576,000
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D30 HVAC

D30	HVAC, GENERALLY						
	Allowance for all electric ASHP system	176,000	gsf	90.00	15,840,000		
	SUBTOTAL					15,840,000	

TOTAL - HVAC							\$15,840,000
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D40 FIRE PROTECTION

D40	FIRE PROTECTION, GENERALLY						
	Allowance for fire pump	1	ls	130,000.00	130,000		
	Wet system complete	176,000	gsf	9.00	1,584,000		
	SUBTOTAL					1,714,000	

TOTAL - FIRE PROTECTION							\$1,714,000
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D50 ELECTRICAL

D5010 SERVICE & DISTRIBUTION

Gear & Distribution

Normal Power

	4000A 480/277V switchboard	1	ea	160,000.00	160,000		
	Submeters	1	ls	50,000.00	50,000		
	Associated transformers, panelboards and feeders	176,000	gsf	7.00	1,232,000		
	<u>Emergency power</u>						
	750KW diesel emergency generator and associated gear and distribution	1	ls	400,000.00	400,000		
	Associated ATS's, transformers, panelboards and feeders	176,000	gsf	3.00	528,000		
	<u>Photovoltaic System</u>						
	Infrastructure for system	1	ls	20,000.00	20,000		
	<u>Uninterruptible Power Supply</u>						
	UPS system						NIC
	<u>Equipment Wiring feeds and connection</u>						
	Misc. mechanical and plumbing equipment feed and connections	176,000	gsf	4.00	704,000		
	Gymnasium equipment feeds and connections	1	ls	15,000.00	15,000		
	kitchen equipment feeds and connections	1	ls	25,000.00	25,000		
	SUBTOTAL					3,134,000	

D5020 LIGHTING & POWER

Lighting & Branch Power

	Lighting (fixtures + install) includes lighting circuitry	176,000	gsf	15.00	2,640,000		
	<u>Lighting controls</u>						
	Networked lighting control system	176,000	gsf	1.50	264,000		
	<u>Branch devices</u>						
	Receptacles/device boxes + wiring	176,000	gsf	5.00	880,000		
	SUBTOTAL					3,784,000	

D5030 COMMUNICATION & SECURITY SYSTEMS

Technology Systems

Procured & installed during the Equipment Phase (FF&E)

	Instructional Video Presentation Equipment						FF&E
	Computer Network Equipment						FF&E
	Computer carts & lockers						FF&E
	Network copier/printer equipment						FF&E
	Portable Video presentation system						FF&E
	Cafeteria POS equipment						FF&E



PDP Estimate

GFA

176,000

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 2B

431	Visitor management system					FF&E		
432	Short throw projectors including cabling					FF&E		
433	<u>Telecommunications - Voice/Data Structured Cabling System</u>							
434	Network switches, routers, firewalls, servers, VOIP, etc.	1	ls			FF&E		
435	Telcom devices, cabling and rough-in	176,000	gsf	3.50	616,000			
436	<u>Digital Signage System</u>							
437	Digital Signage System	176,000	gsf	0.50	88,000			
438	Flat panel display					Included above		
439	Magic info messaging software					Included above		
440	Digital site signage system rough-in and cabling					Included above		
441	<u>Fire Alarm</u>							
442	FA system	176,000	gsf	3.50	616,000			
443	Mass Notification	176,000	gsf	0.50	88,000			
444	<u>Distribution Antennae System</u>							
445	BDA/DAS system, allow	176,000	gsf	0.75	132,000			
446	BDA annunciator					Included above		
447	Splitter					Included above		
448	Police/Fire/School panels					Included above		
449	Lightning & surge protection unit					Included above		
450	Rough-in					Included above		
451	<u>Distributed Communication - Public Address System + Clock system</u>							
452	Complete package	176,000	gsf	1.50	264,000			
453	<u>Classroom Audio (Speech amplification)</u>							
454	Speech amplification	86	rms	3,500.00	301,000			
455	<u>Audio Visual Systems</u>							
456	General building AV equipment					By Owner		
457	Rough-in	176,000	gsf	0.75	132,000			
458	Gymnasium sound system, allow	1	ls	15,000.00	15,000			
459	Cafeteria sound system, allow	1	ls	20,000.00	20,000			
460	Cafeteria Projector	1	ls	25,000.00	25,000			
461	Music Room	1	ls	10,000.00	10,000			
462	<u>Cafetorium</u>							
463	Stage lighting and dimming package, allow	1	ls	75,000.00	75,000			
464	<u>Video Management - CCTV System</u>							
465	Head end + cameras	176,000	gsf	3.00	528,000			
466	<u>Access Control- Intrusion Alarm</u>							
467	Head end + devices	176,000	gsf	2.00	352,000			
468	SUBTOTAL						3,262,000	
469								
470	D5040 OTHER ELECTRICAL SYSTEMS							
471	<u>Common Work Results</u>							
472	Lightning Protection	52,436	sf	0.50	26,218			
473	Temp power and lights; Coordination; BIM	176,000	sf	5.00	880,000			
474	Permits and fees					Assumed Waived		
475	SUBTOTAL						906,218	
476								
477	TOTAL - ELECTRICAL							\$11,086,218
478								
479								
480	E10 EQUIPMENT							
481								
482	E10 EQUIPMENT, GENERALLY							
483								
484	113100	APPLIANCES						
485								
486								
487	114000	FOODSERVICE EQUIPMENT						
488								
489								



PDP Estimate

GFA 176,000

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 2B

490	115213	PROJECTION SCREENS					
491			Projection screen - 12' wide; cafeteria, stage	2	ea	8,000.00	16,000
492							
493	116200	THEATRE EQUIPMENT					
494			Curtain and rigging	1	ls	110,000.00	110,000
495							
496							
497	116600	ATHLETIC EQUIPMENT					
498			Wall Pads	1,920	sf	18.00	34,560
499			Gym divider	1	ls	38,000.00	38,000
500			Gym backboards; retractable	6	loc	12,000.00	72,000
501			Gym equipment; chin-up bars, climbing ropes, cargo nets, volleyball sleeves, scoreboard etc.	1	ls	12,600.00	12,600
502			SUBTOTAL				1,079,160
503							
504			TOTAL - EQUIPMENT				\$1,079,160

E20 FURNISHINGS

E2010 FIXED FURNISHINGS

510	122100	WINDOW TREATMENT					
512			Shades complete; rolling mesh	17,433	sf	9.00	156,897
513							
514	123000	CASEWORK					
515			Classroom Casework	176,000	gsf	14.00	2,464,000
516			SUBTOTAL				2,620,897
517							
518			E2020 MOVABLE FURNISHINGS				
519			All movable furnishings to be provided and installed by owner				
520			SUBTOTAL				NIC
521							
522			TOTAL - FURNISHINGS				\$2,620,897

F10 SPECIAL CONSTRUCTION

F10 SPECIAL CONSTRUCTION
SUBTOTAL

529							-
530			TOTAL - SPECIAL CONSTRUCTION				

F20 SELECTIVE BUILDING DEMOLITION

F2010 BUILDING ELEMENTS DEMOLITION
SUBTOTAL

537							-
538			F2020 HAZARDOUS COMPONENTS ABATEMENT				
539			See main summary for HazMat allowance			See Summary	
540			SUBTOTAL				

TOTAL - SELECTIVE BUILDING DEMOLITION

543							
544							
545			TRADE SUBTOTAL				\$85,030,982



PDP Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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SITWORK OPTION 2B

1	G	SITWORK	60,000	sf		-	
2							
3							
4	G10	SITE PREPARATION & DEMOLITION					
5	311000	GENERAL CONDITIONS					
6		6' high site construction fence	2,100	lf	20.00	42,000	
7		Site construction fence gates and entrance - assume	1	loc	15,000.00	15,000	
8		Mobilizations	1	ea	50,000.00	50,000	
9		Temp laydown areas	1	ls	10,000.00	10,000	
10		Temporary construction signs	1	ls	5,000.00	5,000	
11		Layout/As-builts/Survey	1	ls	15,000.00	15,000	
12							
13	311000	PHASING					
14		Allowance for phasing/logistics	1	ls		NR	
15	311000	SITE DEMOLITION AND RELOCATIONS					
16		Demolish existing site surfaces	55,000	sf	1.50	82,500	
17		Miscellaneous site demolition; furnishings, concrete pads, signs etc.	1	ls	50,000.00	50,000	
18	311000	UTILITY DEMOLITION					
19		Demolish existing utility lines	500	lf	25.00	12,500	
20		Demolish existing utility structures	1	ea	500.00	500	
21		Cut/cap utility lines	1	ls	30,000.00	30,000	
22							
23	311000	SITE DEMOLITION AND RELOCATIONS					
24		Clear trees; minor clear + grub	1	ls	20,000.00	20,000	
25		Miscellaneous site demolition	1	ls	50,000.00	50,000	
26							
27	312000	EROSION & SEDIMENT CONTROL					
28		Silt Fence; installation and removal	2,100	lf	14.00	29,400	
29		Street sweeping & dust control allowance	1	ls	25,000.00	25,000	
30		Erosion Control monitoring & maintenance	1	ls	20,000.00	20,000	
31		SUBTOTAL					456,900
32							
33	312000	SITE EARTHWORK					
34		<u>Site Earthwork</u>					
35		Cut and fills; allowance for 3ft across site	6,667	cy	40.00	266,680	
36		Strip topsoil; 12"	741	cy	15.00	11,115	
37		Sub grade establishment and fine grading	6,667	sy	2.00	13,334	
38							
39	312000	HAZARDOUS MATERIALS					
40		None included				Excluded	
41		SUBTOTAL					291,129
42							
43	G20	SITE IMPROVEMENTS					
44							
45	320000	ROADWAYS AND PARKING LOTS				No Work assumed	
46		<u>Asphalt Paving; parking lots and roadway</u>	0	sf			
47		gravel base; 12" thick	0	cy	45.00		
48		asphalt top; 1.5" thick	0	tns	220.00		
49		asphalt binder; 2" thick	0	tns	190.00		
50							
51	320000	CURBING					
52		Vertical granite curb; assume ETR at sidewalks	1,100	lf	55.00	ETR	
53		ADA Curb cuts - assume	4	ea	3,000.00	12,000	
54							
55	320000	ROAD MARKINGS AND SIGNS					



PDP Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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SITEWORK OPTION 2B

59	Sign allowance	1	ls	30,000.00	30,000		
60	Pavement markings allowance	1	ls	25,000.00	25,000		
61	Crosswalk hatching - allowance	3	loc	10,000.00	30,000		
62	SUBTOTAL					97,000	

64	320000 PEDESTRIAN PAVING						
65	Pavers at entrances/plaza etc.	12,300	sf	40.00	492,000		
66	<u>Allowance for pedestrian walks: Concrete</u>	18,000	sf				
67	gravel base; 8" thick	447	cy	45.00	20,115		
68	Concrete slab paving; 4" thick	18,000	sf	15.00	270,000		
69	SUBTOTAL					782,115	

71	320000 SITE IMPROVEMENTS						
72	320000 SITE FURNISHINGS; allowances						
73	Outdoor classroom - equipment and site furnishings	1	ls	75,000.00	75,000		
74	Flag poles	2	loc	8,000.00	16,000		
75	Benches; stainless steel	20	loc	3,000.00	60,000		
76	Benches; concrete	14	loc	5,000.00	70,000		
77	Bollards; stainless steel, includes base	40	loc	2,900.00	116,000		
78	Bollards; standard	20	loc	1,600.00	32,000		
79	Bicycle racks	50	loc	1,500.00	75,000		
80	Recycling/trash	3	loc	2,800.00	8,400		
81	320000 PLAY AREAS						
82	<u>Playground - pour-in-place safety surfacing - assume</u>	6,000	sf				
83	gravel base; 8" thick	149	cy	45.00	6,705		
84	Pour-in-place safety surface	6,000	sf	35.00	210,000		
85	Allowance for play equipment; including on roof	1	ls	800,000.00	800,000		
86	Fence	745	lf	150.00	111,750		
87	SUBTOTAL					1,580,855	

90	329900 SITE WALLS						
91	Allowance for seat walls	1	ls	100,000.00	100,000		
92	SUBTOTAL					100,000	

94	Landscaping						
95	320000 ATHLETIC LANDSCAPING;						
96	Allowance for multi-use field	5,000	sf	15.00	75,000		
97	Allowance for potential green space	12,000	sf	10.00	120,000		
99	329900 LAWN AND SEED						
100	Topsoil - Screen existing	741	cy	25.00	18,525		
101	Topsoil - Export tailings; 10%	74	cy	8.00	592		
102	Soil amend + reuse existing	667	cy	60.00	40,020		
103	Allowance for loam and seed allowance	30,000	sf	0.35	10,500		
104	Bioswale/Raingarden; seed mix	11,515	sf	1.00	11,515		
105	Allowance for Trees/shrubs/plantings	1	ls	200,000.00	200,000		
106	SUBTOTAL					476,152	

108	G30 CIVIL MECHANICAL UTILITIES						
109	210000 FIRE + WATER						



PDP Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
SITEWORK OPTION 2B							
110	4" CLDI	100	lf	70.00	7,000		
111	8" CLDI	200	lf	150.00	30,000		
112	Hydrant with Gate valve	4	ea	3,500.00	14,000		
113	Fire department connection	1	ea	2,500.00	2,500		
114	PIV	1	ea	2,000.00	2,000		
115	Connect to existing water line	1	ea	40,000.00	40,000		
116	SUBTOTAL					95,500	
117							
118	333000 SANITARY SEWER						
119	8" PVC	300	lf	60.00	18,000		
120	SMH	3	ea	4,500.00	13,500		
121	Grease trap - assumed 4,000 gal.	1	ea	20,000.00	20,000		
122	Connect to existing	1	ea	15,000.00	15,000		
123	SUBTOTAL					66,500	
124							
125	334000 STORM DRAINAGE						
126	Stormwater systems; allowance for underground detention	1	ls	1,500,000	1,500,000		
127	Stormwater systems; allowance	36,300	sf	15.00	544,500		
128	SUBTOTAL					2,044,500	
129							
130	G40 ELECTRICAL UTILITIES						
131	Site Civil for Electrical						
132	<u>Concrete:</u>						
133	Primary duct bank (allow)	300	lf	30.00	9,000		
134	Secondary duct bank	50	lf	40.00	2,000		
135	Generator duct bank	50	lf	20.00	1,000		
136	Communications duct bank	300	lf	20.00	6,000		
137	Transformer pad	1	ea	2,000.00	2,000		
138	Generator pad	1	ea	2,000.00	2,000		
139	<u>Excavation & Backfill:</u>						
140	Primary duct bank	300	lf	30.00	9,000		
141	Secondary duct bank	60	lf	28.00	1,680		
142	Generator duct bank	60	lf	22.00	1,320		
143	Communications duct bank	300	lf	22.00	6,600		
144	<u>Power</u>						
145	Utility company back charges (allow)	1	ls			By Owner	
146	New manhole	1	ea	9,000.00	9,000		
147	Utility company pad mounted transformer					Utility co.	
148	Primary duct bank 2-4" empty conduit	300	lf	40.00	12,000		
149	4000A Secondary duct bank, allow	50	lf	1,470.00	73,500		
150	Generator duct bank, allow	50	lf	1,025.00	51,250		
151	<u>Communications, allow</u>						
152	Utility company back charges (allow)	1	ls			By Owner	
153	Telecom duct bank 4-4" conduits	300	lf	80.00	24,000		
154	New manhole	1	ea	8,500.00	8,500		
155	<u>Site Lighting</u>						
156	Site lighting and circuitry; Allowance	1	ls	100,000.00	100,000		
157	<u>Site Security, allow</u>						
158	Pole cameras and circuitry	1	ls	25,000.00	25,000		
159	<u>EV Charging Stations (allow)</u>						
160	Assumed NR						
161	SUBTOTAL					343,850	
162							
163	TOTAL - SITE DEVELOPMENT OPTION 2B						\$6,334,501



PDP Estimate

GFA

159,800

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 3A

GROSS FLOOR AREA CALCULATION

New Building

Level 1	51,644
Level 2	31,339
Level 3	28,250
Level 4	24,452
Level 5	24,115

TOTAL GROSS FLOOR AREA (GFA)				159,800	159,800
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A1010 STANDARD FOUNDATIONS

033000 CONCRETE

Strip Footings	101	CY	\$869	/cy
Foundation Walls	231	CY	\$1,347	/cy
Spread Footings	438	CY	\$643	/cy
Grade beams	19	CY	\$1,634	/cy
Piers	174	CY	\$738	/cy

Total Foundation Concrete	963	CY
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Strip footing: allow 28" x 12"

Formwork	2,230	sf	16.00	35,680
Re-bar	11,150	lbs.	2.00	22,300
Concrete material	101	cy	175.00	17,675
Placing concrete	101	cy	120.00	12,120

Foundation wall: 16" thick

Formwork	8,920	sf	22.00	196,240
Re-bar	17,840	lbs.	2.00	35,680
Concrete material	231	cy	175.00	40,425
Placing concrete	231	cy	120.00	27,720
Form shelf	1,115	lf	10.00	11,150

Spread Footings: 8'x8'x24"

Formwork	2,432	sf	18.00	43,776
Re-bar	21,280	lbs.	2.00	42,560
Concrete material	189	cy	175.00	33,075
Placing concrete	189	cy	120.00	22,680
Set anchor bolts grout plates	38	ea	150.00	5,700

Spread Footings: 10'x10'x24"

Formwork	2,560	sf	18.00	46,080
Re-bar	7,200	lbs.	2.00	14,400
Concrete material	249	cy	155.00	38,595
Placing concrete	249	cy	120.00	29,880
Set anchor bolts grout plates	32	ea	150.00	4,800

Grade beams at braced frames, allow

Formwork	480	sf	18.00	8,640
Re-bar	8,400	lbs.	2.00	16,800
Concrete material	19	cy	175.00	3,325
Placing concrete	19	cy	120.00	2,280

Piers/Pilasters

Formwork	1,764	sf	24.00	42,336
Re-bar	17,400	lbs.	2.00	34,800
Concrete material, 4000psi	174	cy	175.00	30,450
Placing concrete	174	cy	120.00	20,880

Elevator pit	1	loc	50,000.00	50,000
Premium for retaining wall	300	lf	1,210.00	363,000
SOE allowance	4,200	sf	120.00	504,000



PDP Estimate

GFA

159,800

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 3A

61	070001	WATERPROOFING, DAMPPROOFING AND CAULKING					
62		Waterproofing at foundation walls	4,460	sf	6.00	26,760	
63		Crystalline waterproofing at elevator pits	720	sf	15.00	10,800	
64	072100	THERMAL INSULATION					
65		2" Insulation at foundation walls	4,460	sf	3.50	15,610	
67	312000	EARTHWORK					
68		<u>Strip footings/Fdn wall</u>					
69		Excavation	991	cy	12.00	11,892	
70		Remove off-site	991	cy	32.00	31,712	
71		Backfill with imported material	890	cy	45.00	40,050	
72		<u>Spread footings/Grade beams</u>					
73		Excavation	778	cy	12.00	9,336	
74		Remove off-site	778	cy	32.00	24,896	
75		Backfill with imported material	321	cy	45.00	14,445	
76		<u>Miscellaneous</u>					
77		Gravel fill beneath footings, 12"	105	cy	55.00	5,775	
78		Perimeter drain	1,115	lf	32.00	35,680	
79		Temporary dewatering for foundation work	1	ls	10,000.00	10,000	
80		SUBTOTAL					1,994,003

A1020 SPECIAL FOUNDATIONS

SUBTOTAL

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A1030 LOWEST FLOOR CONSTRUCTION

89	033000	CONCRETE					
90		<u>slab on grade</u>		51,644	sf		
91		VB at slab on grade	51,644	sf	1.25	64,555	
92		WWF reinforcement	59,391	sf	1.80	106,904	
93		Concrete - 6" thick	1,004	cy	175.00	175,700	
94		Barrier One Admixture	1,004	cy		Assumed Not Required	
95		Placing concrete	1,004	cy	90.00	90,360	
96		Finishing and curing concrete	51,644	sf	3.50	180,754	
97		<u>Miscellaneous</u>					
98		Equipment pads	1	ls	10,000.00	10,000	
99		Underslab drainage system	51,644	sf	3.00	154,932	
100	072100	THERMAL INSULATION					
101		Slab insulation, 2" thick; perimeter only	4,460	sf	3.50	15,610	
102	312000	EARTHWORK					
103		<u>Building</u>					
104		Allowance to remove unsuitable fill + replace with structural fill; allow 2ft deep	3,825	cy	105.00	401,625	
105		Gravel base, 8"	1,282	cy	55.00	70,510	
106		Raise grades with import structural fill - 24"	3,825	cy	60.00	229,500	
107		Gravel base, 8"	3,825	cy	45.00	172,125	
108		Compact existing sub-grade	51,644	sf	1.00	51,644	
109		Under slab E&B for plumbing	51,644	sf	1.50	77,466	
110		<u>Miscellaneous</u>					
111		Equipment pads	1	ls	10,000.00	10,000	
112		SUBTOTAL					1,811,685

TOTAL - FOUNDATIONS

\$3,805,688

A20 BASEMENT CONSTRUCTION



PDP Estimate

GFA

159,800

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 3A

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A2010 BASEMENT EXCAVATION
No Work in this section
SUBTOTAL

-

A2020 BASEMENT WALLS
No Work in this section
SUBTOTAL

-

TOTAL - BASEMENT CONSTRUCTION

B10 SUPERSTRUCTURE

B1010 FLOOR CONSTRUCTION

17.3 lbs/sf
1,386 tns
\$/Ton

033000 CONCRETE

WWF reinforcement	124,379	sf	1.80	223,882
Concrete Fill to metal deck; 3-1/2" normal weight, total thickness 5 1/2"	1,926	cy	175.00	337,050
Concrete Fill for deflection; 3/4"	315	cy	175.00	55,125
Place and finish concrete	108,156	sf	4.00	432,624
Rebar to decks	32,447	lbs	2.00	64,894

051200 STRUCTURAL STEEL FRAMING

Steel floor framing, columns and lateral bracing;				
Floor framing 18 lbs/sf	973	tns	5,500.00	5,351,500
Premium for AESS steel				NIC
Allowance for additional miscellaneous steel angles, plates etc.				assume included in lbs/sf tns
Shear studs	27,039	ea	3.50	94,637
3" metal floor deck	108,156	sf	7.00	757,092

078100 FIREPROOFING/FIRESTOPPING

Fire proofing to columns and beams; 2 hr	108,156	sf	3.00	324,468
SUBTOTAL				7,641,272

B1020 ROOF CONSTRUCTION

033000 CONCRETE - underneath RTU's + play areas

WWF reinforcement	20,487	sf	1.80	36,877
Concrete Fill to metal deck; 3-1/2" normal weight, total thickness 5 1/2"	964	cy	175.00	168,700
Place and finish concrete	17,815	sf	5.00	89,075

051200 STRUCTURAL STEEL FRAMING

Steel floor framing, columns and lateral bracing;				
Floor framing 16 lbs/sf at typical roof	413	tns	5,500.00	2,271,500
Allowance for additional miscellaneous steel angles, plates etc.				assume included in lbs/sf tns
Shear studs	12,911	ea	3.50	45,189
1-1/2" metal floor deck at typical roof	51,644	sf	6.00	309,864
HSS support framing at roof screen				Assumed NR

078100 FIREPROOFING/FIRESTOPPING

Fireproofing to roof deck and structure	51,644	sf	4.00	206,576
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PDP Estimate

GFA

159,800

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 3A

179 SUBTOTAL 3,127,781

TOTAL - SUPERSTRUCTURE							\$10,769,053
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184 **B20 EXTERIOR CLOSURE** 73,680 sf

186 **B2010 EXTERIOR WALLS; 77%** 56,734 sf

188 040001 MASONRY; 80% of Solid

189 Brick veneer 45,387 sf 55.00 2,496,285

190 Precast trim 45,387 sf 2.00 90,774

191 Staging/Lifts to exterior wall Included

193 055000 MISCELLANEOUS METALS

194 Miscellaneous metals to exterior; lintels, angles etc. 45,387 sf 2.00 90,774

196 070001 WATERPROOFING, DAMPPROOFING AND CAULKING

197 Air barrier 56,734 sf 9.50 538,973

198 Air barrier/flashing at windows 5,649 lf 6.25 35,306

199 Miscellaneous sealants to closure 56,734 sf 0.50 28,367

201 072100 THERMAL INSULATION

202 Mineral wool insulation; 5" Thermax 56,734 sf 8.00 453,872

203 Spray insulation; 1" 56,734 sf 2.00 113,468

204 Insulation at window openings 5,649 lf 6.00 33,894

206 074213 WALL PANELS; 20% of solid

207 Allowance for rainscreen panels: 20% 11,347 sf 110.00 1,248,170

208 Roof screen Assumed NR

210 092900 GYPSUM BOARD ASSEMBLIES

211 6" metal stud backup 56,734 sf 14.00 794,276

212 Gypsum Sheathing 56,734 sf 4.50 255,303

213 Drywall lining to interior face of stud backup 56,734 sf 5.00 283,670

215 101400 SIGNAGE

216 Signage 1 ls 10,000.00 10,000

217 SUBTOTAL 6,473,132

219 **B2020 WINDOWS; 23%** 16,946 sf

221 092900 GYPSUM BOARD ASSEMBLIES

222 Wood blocking at openings 5,649 lf 14.00 79,086

224 079200 JOINT SEALANTS

225 Backer rod & double sealant 5,649 lf 12.00 67,788

227 080001 METAL WINDOWS

228 Windows, Triple-pane low-e insulated units; 80% 13,557 sf 170.00 2,304,690

229 Curtainwall, Triple-pane low-e insulated units; 20% 3,389 sf 190.00 643,910

230 Sun control allowance 400 lf 240.00 96,000

231 Premium for 3M safety film; 25% of glazing 4,237 sf 15.00 63,555

233 089100 LOUVERS

234 Louvers 100 sf 85.00 8,500

235 SUBTOTAL 3,263,529

237 **B2030 EXTERIOR DOORS**

239 Exterior door allowance 159,800 gsf 1.50 239,700



PDP Estimate

GFA

159,800

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 3A

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SUBTOTAL 239,700

TOTAL - EXTERIOR CLOSURE							\$9,976,361
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B30 ROOFING

B3010 ROOF COVERINGS

PVC roofing membrane; (30 yr warranty), BOD Carlisle SureWeld, 80 mil; 11" insulation, includes all blocking, AVB, etc. **51,644** sf 35.00 1,807,540

ACM metal fascia/soffits **1,115** lf 550.00 613,250

Canopy; allowance **1,000** sf 120.00 120,000

Outdoor play areas **17,815** sf 60.00 1,068,900

SUBTOTAL 3,609,690

B3020 ROOF OPENINGS

SUBTOTAL -

TOTAL - ROOFING							\$3,609,690
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C10 INTERIOR CONSTRUCTION

C1010 PARTITIONS

Interior partitions complete; new construction **159,800** sf 35.00 5,593,000

SUBTOTAL 5,593,000

C1020 INTERIOR DOORS

Interior doors; complete **159,800** gsf 12.00 1,917,600

SUBTOTAL 1,917,600

C1030 SPECIALTIES / MILLWORK

055000 MISCELLANEOUS METALS

Miscellaneous metals complete **159,800** gsf 3.00 479,400

064100 FINISH CARPENTRY

Display cases **130** lf 1,400.00 182,000

Circulation desk **15** lf 1,500.00 22,500

Reading nook **50** lf 600.00 30,000

Millwork complete; other spaces **159,800** gsf 4.00 639,200

070001 WATERPROOFING, DAMPPROOFING AND CAULKING

Miscellaneous sealants throughout building **159,800** gsf 1.50 239,700

101100 VISUAL DISPLAY SURFACES

Marker boards/TB complete **77** rooms 4,400.00 338,800

Interactive White Board projectors FF&E

101400 SIGNAGE

Special graphics **1** ls 100,000.00 100,000

Signage; complete package **159,800** gsf 1.00 159,800

102110 TOILET COMPARTMENTS + Accessories

Toilet partitions/bathroom accessories **159,800** gsf 1.25 199,750

104400 FIRE PROTECTION SPECIALTIES

Fire extinguisher cabinets **53** ea 350.00 18,550

AED cabinets **5** ea 350.00 1,750

105113 LOCKERS



PDP Estimate

GFA 159,800

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 3A

304	Cubbies + lockers	159,800	gsf	2.00	319,600		
305	SUBTOTAL					2,731,050	
TOTAL - INTERIOR CONSTRUCTION							\$10,241,650

C20 STAIRCASES

C2010 STAIR CONSTRUCTION

313	New stairs; complete	12	flt	45,000.00	540,000		
315	Stairs; open learning stair	1	ls	150,000.00	150,000		
316	SUBTOTAL					690,000	

C2020 STAIR FINISHES

319	Finishes complete	12	flt	11,000.00	132,000		
321	SUBTOTAL					132,000	

TOTAL - STAIRCASES							\$822,000
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C30 INTERIOR FINISHES

C3010 WALL FINISHES

329	Allowance for wall finishes complete	159,800	gsf	9.00	1,438,200		
331	SUBTOTAL					1,438,200	

C3020 FLOOR FINISHES

334	HD Linoleum; Typical spaces	123,816	sf	8.00	990,528		
336	Terrazzo tile at lobby	3,000	sf	50.00	150,000		
337	Ceramic floor to toilets	5,394	sf	32.00	172,608		
338	Carpet	6,000	sf	6.70	40,200		
339	HD linoleum flooring at cafeteria	4,200	sf	8.00	33,600		
340	Maple athletic flooring in gymnasium	7,500	sf	24.00	180,000		
341	Platform flooring	1,900	sf	28.00	53,200		
342	SUBTOTAL					1,620,136	

C3030 CEILING FINISHES

345	Ceilings; complete package	159,800	sf	14.00	2,237,200		
347	SUBTOTAL					2,237,200	

TOTAL - INTERIOR FINISHES							\$5,295,536
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D10 CONVEYING SYSTEMS

D1010 ELEVATOR

356	142000 ELEVATOR						
357	New five stop elevator	1	ls	400,000.00	400,000		
359	SUBTOTAL					400,000	

TOTAL - CONVEYING SYSTEMS							\$400,000
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D20 PLUMBING

D20 PLUMBING, GENERALLY

367	Plumbing complete	159,800	gsf	26.00	4,154,800		
368	SUBTOTAL					4,154,800	



PDP Estimate

GFA 159,800

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 3A

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TOTAL - PLUMBING							\$4,154,800
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D30 HVAC

D30	HVAC, GENERALLY						
	Allowance for all electric ASHP system	159,800	gsf	90.00	14,382,000		
	SUBTOTAL					14,382,000	

TOTAL - HVAC							\$14,382,000
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D40 FIRE PROTECTION

D40	FIRE PROTECTION, GENERALLY						
	Allowance for fire pump	1	ls	130,000.00	130,000		
	Wet system complete	159,800	gsf	9.00	1,438,200		
	SUBTOTAL					1,568,200	

TOTAL - FIRE PROTECTION							\$1,568,200
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D50 ELECTRICAL

D5010 SERVICE & DISTRIBUTION

	Gear & Distribution						
	<u>Normal Power</u>						
	4000A 480/277V switchboard	1	ea	160,000.00	160,000		
	Submeters	1	ls	50,000.00	50,000		
	Associated transformers, panelboards and feeders	159,800	gsf	7.00	1,118,600		
	<u>Emergency power</u>						
	750KW diesel emergency generator and associated gear and distribution	1	ls	400,000.00	400,000		
	Associated ATS's, transformers, panelboards and feeders	159,800	gsf	3.00	479,400		
	<u>Photovoltaic System</u>						
	Infrastructure for system	1	ls	20,000.00	20,000		
	<u>Uninterruptible Power Supply</u>						
	UPS system					NIC	
	<u>Equipment Wiring feeds and connection</u>						
	Misc. mechanical and plumbing equipment feed and connections	159,800	gsf	4.00	639,200		
	Gymnasium equipment feeds and connections	1	ls	15,000.00	15,000		
	kitchen equipment feeds and connections	1	ls	25,000.00	25,000		
	SUBTOTAL					2,907,200	

D5020 LIGHTING & POWER

	<u>Lighting & Branch Power</u>						
	Lighting (fixtures + install) includes lighting circuitry	159,800	gsf	15.00	2,397,000		
	<u>Lighting controls</u>						
	Networked lighting control system	159,800	gsf	1.50	239,700		
	<u>Branch devices</u>						
	Receptacles/device boxes + wiring	159,800	gsf	5.00	799,000		
	SUBTOTAL					3,435,700	

D5030 COMMUNICATION & SECURITY SYSTEMS

	<u>Technology Systems</u>						
	<i>Procured & installed during the Equipment Phase (FF&E)</i>						
	Instructional Video Presentation Equipment					FF&E	
	Computer Network Equipment					FF&E	
	Computer carts & lockers					FF&E	
	Network copier/printer equipment					FF&E	
	Portable Video presentation system					FF&E	
	Cafeteria POS equipment					FF&E	



PDP Estimate

GFA

159,800

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 3A

431	Visitor management system					FF&E	
432	Short throw projectors including cabling					FF&E	
433	<u>Telecommunications - Voice/Data Structured Cabling System</u>						
434	Network switches, routers, firewalls, servers, VOIP, etc.	1	ls			FF&E	
435	Telcom devices, cabling and rough-in	159,800	gsf	3.50	559,300		
436	<u>Digital Signage System</u>						
437	Digital Signage System	159,800	gsf	0.50	79,900		
438	Flat panel display					Included above	
439	Magic info messaging software					Included above	
440	Digital site signage system rough-in and cabling					Included above	
441	<u>Fire Alarm</u>						
442	FA system	159,800	gsf	3.50	559,300		
443	Mass Notification	159,800	gsf	0.50	79,900		
444	<u>Distribution Antennae System</u>						
445	BDA/DAS system, allow	159,800	gsf	0.75	119,850		
446	BDA annunciator					Included above	
447	Splitter					Included above	
448	Police/Fire/School panels					Included above	
449	Lightning & surge protection unit					Included above	
450	Rough-in					Included above	
451	<u>Distributed Communication - Public Address System + Clock system</u>						
452	Complete package	159,800	gsf	1.50	239,700		
453	<u>Classroom Audio (Speech amplification)</u>						
454	Speech amplification	77	rms	3,500.00	269,500		
455	<u>Audio Visual Systems</u>						
456	General building AV equipment					By Owner	
457	Rough-in	159,800	gsf	0.75	119,850		
458	Gymnasium sound system, allow	1	ls	15,000.00	15,000		
459	Cafeteria sound system, allow	1	ls	20,000.00	20,000		
460	Cafeteria Projector	1	ls	25,000.00	25,000		
461	Music Room	1	ls	10,000.00	10,000		
462	<u>Cafetorium</u>						
463	Stage lighting and dimming package, allow	1	ls	75,000.00	75,000		
464	<u>Video Management - CCTV System</u>						
465	Head end + cameras	159,800	gsf	3.00	479,400		
466	<u>Access Control- Intrusion Alarm</u>						
467	Head end + devices	159,800	gsf	2.00	319,600		
468	SUBTOTAL						2,971,300
469							
470	D5040 OTHER ELECTRICAL SYSTEMS						
471	<u>Common Work Results</u>						
472	Lightning Protection	51,644	sf	0.50	25,822		
473	Temp power and lights; Coordination; BIM	159,800	sf	5.00	799,000		
474	Permits and fees					Assumed Waived	
475	SUBTOTAL						824,822
476							
477	TOTAL - ELECTRICAL						\$10,139,022
478							
479							
480	E10 EQUIPMENT						
481							
482	E10 EQUIPMENT, GENERALLY						
483							
484	113100 APPLIANCES						
485	Residential appliances; allowance	1	ls	16,000.00	16,000		
486							
487	114000 FOODSERVICE EQUIPMENT						
488	Kitchen equipment	2,600	sf	300.00	780,000		
489							



PDP Estimate

GFA

159,800

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 3A

490	115213	PROJECTION SCREENS						
491			Projection screen - 12' wide; cafeteria, stage	2	ea	8,000.00	16,000	
492								
493	116200	THEATRE EQUIPMENT						
494			Curtain and rigging	1	ls	110,000.00	110,000	
495								
496								
497	116600	ATHLETIC EQUIPMENT						
498			Wall Pads	1,920	sf	18.00	34,560	
499			Gym divider	1	ls	38,000.00	38,000	
500			Gym backboards; retractable	6	loc	12,000.00	72,000	
501			Gym equipment; chin-up bars, climbing ropes, cargo nets, volleyball sleeves, scoreboard etc.	1	ls	12,600.00	12,600	
502			SUBTOTAL				1,079,160	
503								
504	TOTAL - EQUIPMENT							\$1,079,160

E20 FURNISHINGS

E2010 FIXED FURNISHINGS

510	122100	WINDOW TREATMENT						
512			Shades complete; rolling mesh	16,946	sf	9.00	152,514	
513								
514	123000	CASEWORK						
515			Classroom Casework	159,800	gsf	14.00	2,237,200	
516			SUBTOTAL				2,389,714	
517								
518	E2020	MOVABLE FURNISHINGS						
519		All movable furnishings to be provided and installed by owner						
520			SUBTOTAL				NIC	
521								
522	TOTAL - FURNISHINGS							\$2,389,714

F10 SPECIAL CONSTRUCTION

F10 SPECIAL CONSTRUCTION
 SUBTOTAL

TOTAL - SPECIAL CONSTRUCTION							-
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F20 SELECTIVE BUILDING DEMOLITION

F2010 BUILDING ELEMENTS DEMOLITION
 SUBTOTAL

538	F2020	HAZARDOUS COMPONENTS ABATEMENT					
539		See main summary for HazMat allowance				See Summary	
540			SUBTOTAL				

TOTAL - SELECTIVE BUILDING DEMOLITION

TRADE SUBTOTAL

\$78,632,874



PDP Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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SITWORK OPTION 3A

1	G	SITWORK	60,000	sf		-	
2							
3							
4	G10	SITE PREPARATION & DEMOLITION					
5	311000	GENERAL CONDITIONS					
6		6' high site construction fence	2,100	lf	20.00	42,000	
7		Site construction fence gates and entrance - assume	1	loc	15,000.00	15,000	
8		Mobilizations	1	ea	50,000.00	50,000	
9		Temp laydown areas	1	ls	10,000.00	10,000	
10		Temporary construction signs	1	ls	5,000.00	5,000	
11		Layout/As-builts/Survey	1	ls	15,000.00	15,000	
12							
13	311000	PHASING					
14		Allowance for phasing/logistics	1	ls		NR	
15	311000	SITE DEMOLITION AND RELOCATIONS					
16		Demolish existing site surfaces	55,000	sf	1.50	82,500	
17		Miscellaneous site demolition; furnishings, concrete pads, signs etc.	1	ls	50,000.00	50,000	
18	311000	UTILITY DEMOLITION					
19		Demolish existing utility lines	500	lf	25.00	12,500	
20		Demolish existing utility structures	1	ea	500.00	500	
21		Cut/cap utility lines	1	ls	30,000.00	30,000	
22							
23	311000	SITE DEMOLITION AND RELOCATIONS					
24		Clear trees; minor clear + grub	1	ls	20,000.00	20,000	
25		Miscellaneous site demolition	1	ls	50,000.00	50,000	
26							
27	312000	EROSION & SEDIMENT CONTROL					
28		Silt Fence; installation and removal	2,100	lf	14.00	29,400	
29		Street sweeping & dust control allowance	1	ls	25,000.00	25,000	
30		Erosion Control monitoring & maintenance	1	ls	20,000.00	20,000	
31		SUBTOTAL					456,900
32							
33	312000	SITE EARTHWORK					
34		<u>Site Earthwork</u>					
35		Cut and fills; allowance for 3ft across site	6,667	cy	40.00	266,680	
36		Strip topsoil; 12"	741	cy	15.00	11,115	
37		Sub grade establishment and fine grading	6,667	sy	2.00	13,334	
38							
39	312000	HAZARDOUS MATERIALS					
40		None included				Excluded	
41		SUBTOTAL					291,129
42							
43	G20	SITE IMPROVEMENTS					
44							
45	320000	ROADWAYS AND PARKING LOTS					No Work assumed
46		<u>Asphalt Paving; parking lots and roadway</u>	0	sf			
47		gravel base; 12" thick	0	cy	45.00		
48		asphalt top; 1.5" thick	0	tns	220.00		
49		asphalt binder; 2" thick	0	tns	190.00		
50							
51	320000	CURBING					
52		Vertical granite curb; assume ETR at sidewalks	1,100	lf	55.00	ETR	
53		ADA Curb cuts - assume	4	ea	3,000.00	12,000	
54							
55	320000	ROAD MARKINGS AND SIGNS					



PDP Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
SITework OPTION 3A							
59	Sign allowance	1	ls	30,000.00	30,000		
60	Pavement markings allowance	1	ls	25,000.00	25,000		
61	Crosswalk hatching - allowance	3	loc	10,000.00	30,000		
62	SUBTOTAL					97,000	
64	320000 PEDESTRIAN PAVING						
65	Pavers at entrances/plaza etc.	10,000	sf	40.00	400,000		
66	<u>Allowance for pedestrian walks: Concrete</u>	18,000	sf				
67	gravel base; 8" thick	447	cy	45.00	20,115		
68	Concrete slab paving; 4" thick	18,000	sf	15.00	270,000		
69	SUBTOTAL					690,115	
71	320000 SITE IMPROVEMENTS						
72	320000 SITE FURNISHINGS; allowances						
73	Outdoor classroom - equipment and site furnishings	1	ls	75,000.00	75,000		
74	Flag poles	2	loc	8,000.00	16,000		
75	Benches; stainless steel	20	loc	3,000.00	60,000		
76	Benches; concrete	14	loc	5,000.00	70,000		
77	Bollards; stainless steel, includes base	40	loc	2,900.00	116,000		
78	Bollards; standard	20	loc	1,600.00	32,000		
79	Bicycle racks	50	loc	1,500.00	75,000		
80	Recycling/trash	3	loc	2,800.00	8,400		
81	320000 PLAY AREAS						
82	<u>Playground - pour-in-place safety surfacing - assume</u>	6,000	sf				
83	gravel base; 8" thick	149	cy	45.00	6,705		
84	Pour-in-place safety surface	6,000	sf	35.00	210,000		
85	Allowance for play equipment; including on roof	1	ls	800,000.00	800,000		
86	Fence	745	lf	150.00	111,750		
87	SUBTOTAL					1,580,855	
90	329900 SITE WALLS						
91	Allowance for seat walls	1	ls	100,000.00	100,000		
92	SUBTOTAL					100,000	
94	Landscaping						
95	320000 ATHLETIC LANDSCAPING;						
96	Allowance for multi-use field	5,000	sf	15.00	75,000		
97	Allowance for potential green space	12,000	sf	10.00	120,000		
99	329900 LAWN AND SEED						
100	Topsoil - Screen existing	741	cy	25.00	18,525		
101	Topsoil - Export tailings; 10%	74	cy	8.00	592		
102	Soil amend + reuse existing	667	cy	60.00	40,020		
103	Allowance for loam and seed allowance	30,000	sf	0.35	10,500		
104	Bioswale/Raingarden; seed mix	11,515	sf	1.00	11,515		
105	Allowance for Trees/shrubs/plantings	1	ls	200,000.00	200,000		
106	SUBTOTAL					476,152	
108	G30 CIVIL MECHANICAL UTILITIES						
109	210000 FIRE + WATER						



PDP Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
SITWORK OPTION 3A							
110	4" CLDI	100	lf	70.00	7,000		
111	8" CLDI	200	lf	150.00	30,000		
112	Hydrant with Gate valve	4	ea	3,500.00	14,000		
113	Fire department connection	1	ea	2,500.00	2,500		
114	PIV	1	ea	2,000.00	2,000		
115	Connect to existing water line	1	ea	40,000.00	40,000		
116	SUBTOTAL					95,500	
117							
118	333000 SANITARY SEWER						
119	8" PVC	300	lf	60.00	18,000		
120	SMH	3	ea	4,500.00	13,500		
121	Grease trap - assumed 4,000 gal.	1	ea	20,000.00	20,000		
122	Connect to existing	1	ea	15,000.00	15,000		
123	SUBTOTAL					66,500	
124							
125	334000 STORM DRAINAGE						
126	Stormwater systems; allowance for underground detention	1	ls	1,500,000	1,500,000		
127	Stormwater systems; allowance	34,000	sf	15.00	510,000		
128	SUBTOTAL					2,010,000	
129							
130							
131	G40 ELECTRICAL UTILITIES						
132	Site Civil for Electrical						
133	<u>Concrete:</u>						
134	Primary duct bank (allow)	300	lf	30.00	9,000		
135	Secondary duct bank	50	lf	40.00	2,000		
136	Generator duct bank	50	lf	20.00	1,000		
137	Communications duct bank	300	lf	20.00	6,000		
138	Transformer pad	1	ea	2,000.00	2,000		
139	Generator pad	1	ea	2,000.00	2,000		
140	<u>Excavation & Backfill:</u>						
141	Primary duct bank	300	lf	30.00	9,000		
142	Secondary duct bank	60	lf	28.00	1,680		
143	Generator duct bank	60	lf	22.00	1,320		
144	Communications duct bank	300	lf	22.00	6,600		
145	<u>Power</u>						
146	Utility company back charges (allow)	1	ls			By Owner	
147	New manhole	1	ea	9,000.00	9,000		
148	Utility company pad mounted transformer					Utility co.	
149	Primary duct bank 2-4" empty conduit	300	lf	40.00	12,000		
150	4000A Secondary duct bank, allow	50	lf	1,470.00	73,500		
151	Generator duct bank, allow	50	lf	1,025.00	51,250		
152	<u>Communications, allow</u>						
153	Utility company back charges (allow)	1	ls			By Owner	
154	Telecom duct bank 4-4" conduits	300	lf	80.00	24,000		
155	New manhole	1	ea	8,500.00	8,500		
156	<u>Site Lighting</u>						
157	Site lighting and circuitry; Allowance	1	ls	100,000.00	100,000		
158	<u>Site Security, allow</u>						
159	Pole cameras and circuitry	1	ls	25,000.00	25,000		
160	<u>EV Charging Stations (allow)</u>						
161	Assumed NR						
162	SUBTOTAL					343,850	
163							
TOTAL - SITE DEVELOPMENT OPTION 3A							\$6,208,001



PDP Estimate

GFA

179,750

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 3B

GROSS FLOOR AREA CALCULATION

New Building

Level 1	52,357
Level 2	35,410
Level 3	33,795
Level 4	29,059
Level 5	29,129

TOTAL GROSS FLOOR AREA (GFA)				179,750	179,750
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A1010 STANDARD FOUNDATIONS

033000 CONCRETE

Strip Footings	107	CY	\$870 /cy
Foundation Walls	245	CY	\$1,348 /cy
Spread Footings	463	CY	\$643 /cy
Grade beams	19	CY	\$1,634 /cy
Piers	184	CY	\$738 /cy

Total Foundation Concrete	1,018	CY
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Strip footing: allow 28" x 12"

Formwork	2,366	sf	16.00	37,856
Re-bar	11,830	lbs.	2.00	23,660
Concrete material	107	cy	175.00	18,725
Placing concrete	107	cy	120.00	12,840

Foundation wall: 16" thick

Formwork	9,464	sf	22.00	208,208
Re-bar	18,928	lbs.	2.00	37,856
Concrete material	245	cy	175.00	42,875
Placing concrete	245	cy	120.00	29,400
Form shelf	1,183	lf	10.00	11,830

Spread Footings: 8'x8'x24"

Formwork	2,560	sf	18.00	46,080
Re-bar	22,400	lbs.	2.00	44,800
Concrete material	199	cy	175.00	34,825
Placing concrete	199	cy	120.00	23,880
Set anchor bolts grout plates	40	ea	150.00	6,000

Spread Footings: 10'x10'x24"

Formwork	2,720	sf	18.00	48,960
Re-bar	7,650	lbs.	2.00	15,300
Concrete material	264	cy	155.00	40,920
Placing concrete	264	cy	120.00	31,680
Set anchor bolts grout plates	34	ea	150.00	5,100

Grade beams at braced frames, allow

Formwork	480	sf	18.00	8,640
Re-bar	8,400	lbs.	2.00	16,800
Concrete material	19	cy	175.00	3,325
Placing concrete	19	cy	120.00	2,280

Piers/Pilasters

Formwork	1,865	sf	24.00	44,760
Re-bar	18,400	lbs.	2.00	36,800
Concrete material, 4000psi	184	cy	175.00	32,200
Placing concrete	184	cy	120.00	22,080

Elevator pit	1	loc	50,000.00	50,000
Premium for retaining wall	300	lf	1,210.00	363,000
SOE allowance	4,200	sf	120.00	504,000



PDP Estimate

GFA

179,750

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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NEW OPTION 3B

61	070001	WATERPROOFING, DAMPPROOFING AND CAULKING					
62		Waterproofing at foundation walls	4,732	sf	6.00	28,392	
63		Crystalline waterproofing at elevator pits	720	sf	15.00	10,800	
64	072100	THERMAL INSULATION					
65		2" Insulation at foundation walls	4,732	sf	3.50	16,562	
67	312000	EARTHWORK					
68		<u>Strip footings/Fdn wall</u>					
69		Excavation	1,052	cy	12.00	12,624	
70		Remove off-site	1,052	cy	32.00	33,664	
71		Backfill with imported material	945	cy	45.00	42,525	
72		<u>Spread footings/Grade beams</u>					
73		Excavation	822	cy	12.00	9,864	
74		Remove off-site	822	cy	32.00	26,304	
75		Backfill with imported material	340	cy	45.00	15,300	
76		<u>Miscellaneous</u>					
77		Gravel fill beneath footings, 12"	111	cy	55.00	6,105	
78		Perimeter drain	1,183	lf	32.00	37,856	
79		Temporary dewatering for foundation work	1	ls	10,000.00	10,000	
80		SUBTOTAL					2,054,676

A1020 SPECIAL FOUNDATIONS

SUBTOTAL

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A1030 LOWEST FLOOR CONSTRUCTION

89	033000	CONCRETE					
90		<u>slab on grade</u>		52,357	sf		
91		VB at slab on grade	52,357	sf	1.25	65,446	
92		WWF reinforcement	60,211	sf	1.80	108,380	
93		Concrete - 6" thick	1,018	cy	175.00	178,150	
94		Barrier One Admixture	1,018	cy		Assumed Not Required	
95		Placing concrete	1,018	cy	90.00	91,620	
96		Finishing and curing concrete	52,357	sf	3.50	183,250	
97		<u>Miscellaneous</u>					
98		Equipment pads	1	ls	10,000.00	10,000	
99		Underslab drainage system	52,357	sf	3.00	157,071	
100	072100	THERMAL INSULATION					
101		Slab insulation, 2" thick; perimeter only	4,732	sf	3.50	16,562	
102	312000	EARTHWORK					
103		<u>Building</u>					
104		Allowance to remove unsuitable fill + replace with structural fill; allow 2ft deep	3,878	cy	105.00	407,190	
105		Gravel base, 8"	1,299	cy	55.00	71,445	
106		Raise grades with import structural fill - 24"	3,878	cy	60.00	232,680	
107		Gravel base, 8"	3,878	cy	45.00	174,510	
108		Compact existing sub-grade	52,357	sf	1.00	52,357	
109		Under slab E&B for plumbing	52,357	sf	1.50	78,536	
110		<u>Miscellaneous</u>					
111		Equipment pads	1	ls	10,000.00	10,000	
112		SUBTOTAL					1,837,197

TOTAL - FOUNDATIONS

\$3,891,873

A20 BASEMENT CONSTRUCTION



PDP Estimate

GFA

179,750

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 3B

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A2010 BASEMENT EXCAVATION
No Work in this section
SUBTOTAL

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A2020 BASEMENT WALLS
No Work in this section
SUBTOTAL

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TOTAL - BASEMENT CONSTRUCTION							
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B10 SUPERSTRUCTURE

B1010 FLOOR CONSTRUCTION

17.4 lbs/sf
1,566 tns
\$/Ton

033000 CONCRETE

WWF reinforcement	146,502	sf	1.80	263,704
Concrete Fill to metal deck; 3-1/2" normal weight, total thickness 5 1/2"	2,269	cy	175.00	397,075
Concrete Fill for deflection; 3/4"	372	cy	175.00	65,100
Place and finish concrete	127,393	sf	4.00	509,572
Rebar to decks	38,218	lbs	2.00	76,436

051200 STRUCTURAL STEEL FRAMING

Steel floor framing, columns and lateral bracing;				
Floor framing 18 lbs/sf	1,147	tns	5,500.00	6,308,500
Premium for AESS steel				NIC
Allowance for additional miscellaneous steel angles, plates etc.				assume included in lbs/sf tns
Shear studs	31,848	ea	3.50	111,468
3" metal floor deck	127,393	sf	7.00	891,751

078100 FIREPROOFING/FIRESTOPPING

Fire proofing to columns and beams; 2 hr	127,393	sf	3.00	382,179
SUBTOTAL				9,005,785

B1020 ROOF CONSTRUCTION

033000 CONCRETE - underneath RTU's + play areas

WWF reinforcement	22,425	sf	1.80	40,365
Concrete Fill to metal deck; 3-1/2" normal weight, total thickness 5 1/2"	977	cy	175.00	170,975
Place and finish concrete	19,500	sf	5.00	97,500

051200 STRUCTURAL STEEL FRAMING

Steel floor framing, columns and lateral bracing;				
Floor framing 16 lbs/sf at typical roof	419	tns	5,500.00	2,304,500
Allowance for additional miscellaneous steel angles, plates etc.				assume included in lbs/sf tns
Shear studs	13,089	ea	3.50	45,812
1-1/2" metal floor deck at typical roof	52,357	sf	6.00	314,142
HSS support framing at roof screen				Assumed NR

078100 FIREPROOFING/FIRESTOPPING

Fireproofing to roof deck and structure	52,357	sf	4.00	209,428
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PDP Estimate

GFA

179,750

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 3B

179 SUBTOTAL 3,182,722

TOTAL - SUPERSTRUCTURE							\$12,188,507
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184 **B20 EXTERIOR CLOSURE** 79,185 sf

186 **B2010 EXTERIOR WALLS; 77%** 60,972 sf

188 040001 MASONRY; 80% of Solid

189 Brick veneer 48,778 sf 55.00 2,682,790

190 Precast trim 48,778 sf 2.00 97,556

191 Staging/Lifts to exterior wall Included

193 055000 MISCELLANOUS METALS

194 Miscellaneous metals to exterior; lintels, angles etc. 48,778 sf 2.00 97,556

196 070001 WATERPROOFING, DAMPPROOFING AND CAULKING

197 Air barrier 60,972 sf 9.50 579,234

198 Air barrier/flashing at windows 6,071 lf 6.25 37,944

199 Miscellaneous sealants to closure 60,972 sf 0.50 30,486

201 072100 THERMAL INSULATION

202 Mineral wool insulation; 5" Thermax 60,972 sf 8.00 487,776

203 Spray insulation; 1" 60,972 sf 2.00 121,944

204 Insulation at window openings 6,071 lf 6.00 36,426

206 074213 WALL PANELS; 20% of solid

207 Allowance for rainscreen panels: 20% 12,194 sf 110.00 1,341,340

208 Roof screen Assumed NR

210 092900 GYPSUM BOARD ASSEMBLIES

211 6" metal stud backup 60,972 sf 14.00 853,608

212 Gypsum Sheathing 60,972 sf 4.50 274,374

213 Drywall lining to interior face of stud backup 60,972 sf 5.00 304,860

215 101400 SIGNAGE

216 Signage 1 ls 10,000.00 10,000

217 SUBTOTAL 6,955,894

219 **B2020 WINDOWS; 23%** 18,213 sf

221 092900 GYPSUM BOARD ASSEMBLIES

222 Wood blocking at openings 6,071 lf 14.00 84,994

224 079200 JOINT SEALANTS

225 Backer rod & double sealant 6,071 lf 12.00 72,852

227 080001 METAL WINDOWS

228 Windows, Triple-pane low-e insulated units; 80% 14,570 sf 170.00 2,476,900

229 Curtainwall, Triple-pane low-e insulated units; 20% 3,643 sf 190.00 692,170

230 Sun control allowance 400 lf 240.00 96,000

231 Premium for 3M safety film; 25% of glazing 4,553 sf 15.00 68,295

233 089100 LOUVERS

234 Louvers 100 sf 85.00 8,500

235 SUBTOTAL 3,499,711

237 **B2030 EXTERIOR DOORS**

239 Exterior door allowance 179,750 gsf 1.50 269,625



PDP Estimate

GFA

179,750

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 3B

240 SUBTOTAL 269,625

TOTAL - EXTERIOR CLOSURE						\$10,725,230
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B30 ROOFING

B3010 ROOF COVERINGS

249	PVC roofing membrane; (30 yr warranty), BOD Carlisle SureWeld, 80 mil; 11" insulation, includes all blocking, AVB, etc.	52,357	sf	35.00	1,832,495	
250	ACM metal fascia/soffits	1,183	lf	550.00	650,650	
251	Canopy; allowance	1,000	sf	120.00	120,000	
252	Outdoor play areas	19,500	sf	60.00	1,170,000	
253	SUBTOTAL					3,773,145

B3020 ROOF OPENINGS

257 SUBTOTAL -

TOTAL - ROOFING						\$3,773,145
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C10 INTERIOR CONSTRUCTION

C1010 PARTITIONS

266	Interior partitions complete; new construction	179,750	sf	35.00	6,291,250	
267	SUBTOTAL					6,291,250

C1020 INTERIOR DOORS

271	Interior doors; complete	179,750	gsf	12.00	2,157,000	
272	SUBTOTAL					2,157,000

C1030 SPECIALTIES / MILLWORK

055000 MISCELLANEOUS METALS

277	Miscellaneous metals complete	179,750	gsf	3.00	539,250	
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064100 FINISH CARPENTRY

280	Display cases	130	lf	1,400.00	182,000	
281	Circulation desk	15	lf	1,500.00	22,500	
282	Reading nook	50	lf	600.00	30,000	
283	Millwork complete; other spaces	179,750	gsf	4.00	719,000	

070001 WATERPROOFING, DAMPPROOFING AND CAULKING

286	Miscellaneous sealants throughout building	179,750	gsf	1.50	269,625	
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101100 VISUAL DISPLAY SURFACES

289	Marker boards/TB complete	86	rooms	4,400.00	378,400	
290	Interactive White Board projectors					FF&E

101400 SIGNAGE

293	Special graphics	1	ls	100,000.00	100,000	
294	Signage; complete package	179,750	gsf	1.00	179,750	

102110 TOILET COMPARTMENTS + Accessories

297	Toilet partitions/bathroom accessories	179,750	gsf	1.25	224,688	
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104400 FIRE PROTECTION SPECIALTIES

300	Fire extinguisher cabinets	60	ea	350.00	21,000	
301	AED cabinets	5	ea	350.00	1,750	

105113 LOCKERS



PDP Estimate

GFA

179,750

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
NEW OPTION 3B							
304	Cubbies + lockers	179,750	gsf	2.00	359,500		
305	SUBTOTAL					3,027,463	
TOTAL - INTERIOR CONSTRUCTION							\$11,475,713
C20 STAIRCASES							
C2010 STAIR CONSTRUCTION							
313	New stairs; complete	12	flt	45,000.00	540,000		
315	Stairs; open learning stair	1	ls	150,000.00	150,000		
316	SUBTOTAL					690,000	
C2020 STAIR FINISHES							
319	Finishes complete	12	flt	11,000.00	132,000		
321	SUBTOTAL					132,000	
TOTAL - STAIRCASES							\$822,000
C30 INTERIOR FINISHES							
C3010 WALL FINISHES							
329	Allowance for wall finishes complete	179,750	gsf	9.00	1,617,750		
331	SUBTOTAL					1,617,750	
C3020 FLOOR FINISHES							
334	HD Linoleum; Typical spaces	142,769	sf	8.00	1,142,152		
336	Terrazzo tile at lobby	3,000	sf	50.00	150,000		
337	Ceramic floor to toilets	5,394	sf	32.00	172,608		
338	Carpet	6,000	sf	6.70	40,200		
339	HD linoleum flooring at cafeteria	4,200	sf	8.00	33,600		
340	Maple athletic flooring in gymnasium	7,500	sf	24.00	180,000		
341	Platform flooring	1,900	sf	28.00	53,200		
342	SUBTOTAL					1,771,760	
C3030 CEILING FINISHES							
345	Ceilings; complete package	179,750	sf	14.00	2,516,500		
347	SUBTOTAL					2,516,500	
TOTAL - INTERIOR FINISHES							\$5,906,010
D10 CONVEYING SYSTEMS							
D1010 ELEVATOR							
356	142000 ELEVATOR						
357	New five stop elevator	1	ls	400,000.00	400,000		
358	SUBTOTAL					400,000	
TOTAL - CONVEYING SYSTEMS							\$400,000
D20 PLUMBING							
D20 PLUMBING, GENERALLY							
367	Plumbing complete	179,750	gsf	26.00	4,673,500		
368	SUBTOTAL					4,673,500	



PDP Estimate

GFA

179,750

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 3B

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TOTAL - PLUMBING							\$4,673,500
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D30 HVAC

D30	HVAC, GENERALLY						
	Allowance for all electric ASHP system	179,750	gsf	90.00	16,177,500		
	SUBTOTAL					16,177,500	

TOTAL - HVAC							\$16,177,500
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D40 FIRE PROTECTION

D40	FIRE PROTECTION, GENERALLY						
	Allowance for fire pump	1	ls	130,000.00	130,000		
	Wet system complete	179,750	gsf	9.00	1,617,750		
	SUBTOTAL					1,747,750	

TOTAL - FIRE PROTECTION							\$1,747,750
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D50 ELECTRICAL

D5010 SERVICE & DISTRIBUTION

Gear & Distribution

Normal Power

	4000A 480/277V switchboard	1	ea	160,000.00	160,000		
	Submeters	1	ls	50,000.00	50,000		
	Associated transformers, panelboards and feeders	179,750	gsf	7.00	1,258,250		
	<u>Emergency power</u>						
	750KW diesel emergency generator and associated gear and distribution	1	ls	400,000.00	400,000		
	Associated ATS's, transformers, panelboards and feeders	179,750	gsf	3.00	539,250		
	<u>Photovoltaic System</u>						
	Infrastructure for system	1	ls	20,000.00	20,000		
	<u>Uninterruptible Power Supply</u>						
	UPS system					NIC	
	<u>Equipment Wiring feeds and connection</u>						
	Misc. mechanical and plumbing equipment feed and connections	179,750	gsf	4.00	719,000		
	Gymnasium equipment feeds and connections	1	ls	15,000.00	15,000		
	kitchen equipment feeds and connections	1	ls	25,000.00	25,000		
	SUBTOTAL					3,186,500	

D5020 LIGHTING & POWER

Lighting & Branch Power

	Lighting (fixtures + install) includes lighting circuitry	179,750	gsf	15.00	2,696,250		
	<u>Lighting controls</u>						
	Networked lighting control system	179,750	gsf	1.50	269,625		
	<u>Branch devices</u>						
	Receptacles/device boxes + wiring	179,750	gsf	5.00	898,750		
	SUBTOTAL					3,864,625	

D5030 COMMUNICATION & SECURITY SYSTEMS

Technology Systems

Procured & installed during the Equipment Phase (FF&E)

	Instructional Video Presentation Equipment					FF&E	
	Computer Network Equipment					FF&E	
	Computer carts & lockers					FF&E	
	Network copier/printer equipment					FF&E	
	Portable Video presentation system					FF&E	
	Cafeteria POS equipment					FF&E	



PDP Estimate

GFA

179,750

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 3B

431	Visitor management system					FF&E	
432	Short throw projectors including cabling					FF&E	
433	<u>Telecommunications - Voice/Data Structured Cabling System</u>						
434	Network switches, routers, firewalls, servers, VOIP, etc.	1	ls			FF&E	
435	Telcom devices, cabling and rough-in	179,750	gsf	3.50	629,125		
436	<u>Digital Signage System</u>						
437	Digital Signage System	179,750	gsf	0.50	89,875		
438	Flat panel display					Included above	
439	Magic info messaging software					Included above	
440	Digital site signage system rough-in and cabling					Included above	
441	<u>Fire Alarm</u>						
442	FA system	179,750	gsf	3.50	629,125		
443	Mass Notification	179,750	gsf	0.50	89,875		
444	<u>Distribution Antennae System</u>						
445	BDA/DAS system, allow	179,750	gsf	0.75	134,813		
446	BDA annunciator					Included above	
447	Splitter					Included above	
448	Police/Fire/School panels					Included above	
449	Lightning & surge protection unit					Included above	
450	Rough-in					Included above	
451	<u>Distributed Communication - Public Address System + Clock system</u>						
452	Complete package	179,750	gsf	1.50	269,625		
453	<u>Classroom Audio (Speech amplification)</u>						
454	Speech amplification	86	rms	3,500.00	301,000		
455	<u>Audio Visual Systems</u>						
456	General building AV equipment					By Owner	
457	Rough-in	179,750	gsf	0.75	134,813		
458	Gymnasium sound system, allow	1	ls	15,000.00	15,000		
459	Cafeteria sound system, allow	1	ls	20,000.00	20,000		
460	Cafeteria Projector	1	ls	25,000.00	25,000		
461	Music Room	1	ls	10,000.00	10,000		
462	<u>Cafetorium</u>						
463	Stage lighting and dimming package, allow	1	ls	75,000.00	75,000		
464	<u>Video Management - CCTV System</u>						
465	Head end + cameras	179,750	gsf	3.00	539,250		
466	<u>Access Control- Intrusion Alarm</u>						
467	Head end + devices	179,750	gsf	2.00	359,500		
468	SUBTOTAL						3,322,001
469							
470	D5040 OTHER ELECTRICAL SYSTEMS						
471	<u>Common Work Results</u>						
472	Lightning Protection	52,357	sf	0.50	26,179		
473	Temp power and lights; Coordination; BIM	179,750	sf	5.00	898,750		
474	Permits and fees					Assumed Waived	
475	SUBTOTAL						924,929
476							
477	TOTAL - ELECTRICAL						\$11,298,055
478							
479							
480	E10 EQUIPMENT						
481							
482	E10 EQUIPMENT, GENERALLY						
483							
484	113100 APPLIANCES						
485	Residential appliances; allowance	1	ls	16,000.00	16,000		
486							
487	114000 FOODSERVICE EQUIPMENT						
488	Kitchen equipment	2,600	sf	300.00	780,000		
489							



PDP Estimate

GFA

179,750

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 3B

490	115213	PROJECTION SCREENS					
491			Projection screen - 12' wide; cafeteria, stage	2	ea	8,000.00	16,000
492							
493	116200	THEATRE EQUIPMENT					
494			Curtain and rigging	1	ls	110,000.00	110,000
495							
496							
497	116600	ATHLETIC EQUIPMENT					
498			Wall Pads	1,920	sf	18.00	34,560
499			Gym divider	1	ls	38,000.00	38,000
500			Gym backboards; retractable	6	loc	12,000.00	72,000
501			Gym equipment; chin-up bars, climbing ropes, cargo nets, volleyball sleeves, scoreboard etc.	1	ls	12,600.00	12,600
502			SUBTOTAL				1,079,160
503							
504			TOTAL - EQUIPMENT				\$1,079,160

E20 FURNISHINGS

E2010 FIXED FURNISHINGS

510	122100	WINDOW TREATMENT					
512			Shades complete; rolling mesh	18,213	sf	9.00	163,917
513							
514	123000	CASEWORK					
515			Classroom Casework	179,750	gsf	14.00	2,516,500
516			SUBTOTAL				2,680,417
517							
518			E2020 MOVABLE FURNISHINGS				
519			All movable furnishings to be provided and installed by owner				
520			SUBTOTAL				NIC
521							
522			TOTAL - FURNISHINGS				\$2,680,417

F10 SPECIAL CONSTRUCTION

F10 SPECIAL CONSTRUCTION
SUBTOTAL

529							-
530			TOTAL - SPECIAL CONSTRUCTION				

F20 SELECTIVE BUILDING DEMOLITION

F2010 BUILDING ELEMENTS DEMOLITION
SUBTOTAL

537							-
538			F2020 HAZARDOUS COMPONENTS ABATEMENT				
539			See main summary for HazMat allowance			See Summary	
540			SUBTOTAL				

TOTAL - SELECTIVE BUILDING DEMOLITION

543							
544							
545			TRADE SUBTOTAL				\$86,838,860



PDP Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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SITWORK OPTION 3B

1	G	SITWORK	60,000	sf		-	
2							
3							
4	G10	SITE PREPARATION & DEMOLITION					
5	311000	GENERAL CONDITIONS					
6		6' high site construction fence	2,100	lf	20.00	42,000	
7		Site construction fence gates and entrance - assume	1	loc	15,000.00	15,000	
8		Mobilizations	1	ea	50,000.00	50,000	
9		Temp laydown areas	1	ls	10,000.00	10,000	
10		Temporary construction signs	1	ls	5,000.00	5,000	
11		Layout/As-builts/Survey	1	ls	15,000.00	15,000	
12							
13	311000	PHASING					
14		Allowance for phasing/logistics	1	ls		NR	
15	311000	SITE DEMOLITION AND RELOCATIONS					
16		Demolish existing site surfaces	55,000	sf	1.50	82,500	
17		Miscellaneous site demolition; furnishings, concrete pads, signs etc.	1	ls	50,000.00	50,000	
18	311000	UTILITY DEMOLITION					
19		Demolish existing utility lines	500	lf	25.00	12,500	
20		Demolish existing utility structures	1	ea	500.00	500	
21		Cut/cap utility lines	1	ls	30,000.00	30,000	
22							
23	311000	SITE DEMOLITION AND RELOCATIONS					
24		Clear trees; minor clear + grub	1	ls	20,000.00	20,000	
25		Miscellaneous site demolition	1	ls	50,000.00	50,000	
26							
27	312000	EROSION & SEDIMENT CONTROL					
28		Silt Fence; installation and removal	2,100	lf	14.00	29,400	
29		Street sweeping & dust control allowance	1	ls	25,000.00	25,000	
30		Erosion Control monitoring & maintenance	1	ls	20,000.00	20,000	
31		SUBTOTAL					456,900
32							
33	312000	SITE EARTHWORK					
34		<u>Site Earthwork</u>					
35		Cut and fills; allowance for 3ft across site	6,667	cy	40.00	266,680	
36		Strip topsoil; 12"	741	cy	15.00	11,115	
37		Sub grade establishment and fine grading	6,667	sy	2.00	13,334	
38							
39	312000	HAZARDOUS MATERIALS					
40		None included				Excluded	
41		SUBTOTAL					291,129
42							
43	G20	SITE IMPROVEMENTS					
44							
45	320000	ROADWAYS AND PARKING LOTS				No Work assumed	
46		<u>Asphalt Paving; parking lots and roadway</u>	0	sf			
47		gravel base; 12" thick	0	cy	45.00		
48		asphalt top; 1.5" thick	0	tns	220.00		
49		asphalt binder; 2" thick	0	tns	190.00		
50							
51	320000	CURBING					
52		Vertical granite curb; assume ETR at sidewalks	1,100	lf	55.00	ETR	
53		ADA Curb cuts - assume	4	ea	3,000.00	12,000	
54							
55	320000	ROAD MARKINGS AND SIGNS					



PDP Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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SITEWORK OPTION 3B

59	Sign allowance	1	ls	30,000.00	30,000		
60	Pavement markings allowance	1	ls	25,000.00	25,000		
61	Crosswalk hatching - allowance	3	loc	10,000.00	30,000		
62	SUBTOTAL					97,000	

320000 PEDESTRIAN PAVING

64	Pavers at entrances/plaza etc.	10,000	sf	40.00	400,000		
66	<u>Allowance for pedestrian walks: Concrete</u>	18,000	sf				
67	gravel base; 8" thick	447	cy	45.00	20,115		
68	Concrete slab paving; 4" thick	18,000	sf	15.00	270,000		
69	SUBTOTAL					690,115	

320000 SITE IMPROVEMENTS

320000 SITE FURNISHINGS; allowances

71	Outdoor classroom - equipment and site furnishings	1	ls	75,000.00	75,000		
72	Flag poles	2	loc	8,000.00	16,000		
73	Benches; stainless steel	20	loc	3,000.00	60,000		
74	Benches; concrete	14	loc	5,000.00	70,000		
75	Bollards; stainless steel, includes base	40	loc	2,900.00	116,000		
76	Bollards; standard	20	loc	1,600.00	32,000		
77	Bicycle racks	50	loc	1,500.00	75,000		
78	Recycling/trash	3	loc	2,800.00	8,400		

320000 PLAY AREAS

81	<u>Playground - pour-in-place safety surfacing - assume</u>	6,000	sf				
82	gravel base; 8" thick	149	cy	45.00	6,705		
83	Pour-in-place safety surface	6,000	sf	35.00	210,000		
84	Allowance for play equipment; including on roof	1	ls	800,000.00	800,000		
85	Fence	745	lf	150.00	111,750		
86	SUBTOTAL					1,580,855	

329900 SITE WALLS

90	Allowance for seat walls	1	ls	100,000.00	100,000		
91	SUBTOTAL					100,000	

Landscaping

320000 ATHLETIC LANDSCAPING;

95	Allowance for multi-use field	5,000	sf	15.00	75,000		
96	Allowance for potential green space	12,000	sf	10.00	120,000		

329900 LAWN AND SEED

99	Topsoil - Screen existing	741	cy	25.00	18,525		
100	Topsoil - Export tailings; 10%	74	cy	8.00	592		
101	Soil amend + reuse existing	667	cy	60.00	40,020		
102	Allowance for loam and seed allowance	30,000	sf	0.35	10,500		
103	Bioswale/Raingarden; seed mix	11,515	sf	1.00	11,515		
104	Allowance for Trees/shrubs/plantings	1	ls	200,000.00	200,000		
105	SUBTOTAL					476,152	

G30 CIVIL MECHANICAL UTILITIES

210000 FIRE + WATER



Winter Hill Community Innovation School
Somerville, MA
Add/Reno + New OPTIONS

24-Mar-26

PDP Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
SITWORK OPTION 3B							
110	4" CLDI	100	lf	70.00	7,000		
111	8" CLDI	200	lf	150.00	30,000		
112	Hydrant with Gate valve	4	ea	3,500.00	14,000		
113	Fire department connection	1	ea	2,500.00	2,500		
114	PIV	1	ea	2,000.00	2,000		
115	Connect to existing water line	1	ea	40,000.00	40,000		
116	SUBTOTAL					95,500	
117							
118	333000 SANITARY SEWER						
119	8" PVC	300	lf	60.00	18,000		
120	SMH	3	ea	4,500.00	13,500		
121	Grease trap - assumed 4,000 gal.	1	ea	20,000.00	20,000		
122	Connect to existing	1	ea	15,000.00	15,000		
123	SUBTOTAL					66,500	
124							
125	334000 STORM DRAINAGE						
126	Stormwater systems; allowance for underground detention	1	ls	1,500,000	1,500,000		
127	Stormwater systems; allowance	34,000	sf	15.00	510,000		
128	SUBTOTAL					2,010,000	
129							
130							
131	G40 ELECTRICAL UTILITIES						
132	Site Civil for Electrical						
133	<u>Concrete:</u>						
134	Primary duct bank (allow)	300	lf	30.00	9,000		
135	Secondary duct bank	50	lf	40.00	2,000		
136	Generator duct bank	50	lf	20.00	1,000		
137	Communications duct bank	300	lf	20.00	6,000		
138	Transformer pad	1	ea	2,000.00	2,000		
139	Generator pad	1	ea	2,000.00	2,000		
140	<u>Excavation & Backfill:</u>						
141	Primary duct bank	300	lf	30.00	9,000		
142	Secondary duct bank	60	lf	28.00	1,680		
143	Generator duct bank	60	lf	22.00	1,320		
144	Communications duct bank	300	lf	22.00	6,600		
145	<u>Power</u>						
146	Utility company back charges (allow)	1	ls			By Owner	
147	New manhole	1	ea	9,000.00	9,000		
148	Utility company pad mounted transformer					Utility co.	
149	Primary duct bank 2-4" empty conduit	300	lf	40.00	12,000		
150	4000A Secondary duct bank, allow	50	lf	1,470.00	73,500		
151	Generator duct bank, allow	50	lf	1,025.00	51,250		
152	<u>Communications, allow</u>						
153	Utility company back charges (allow)	1	ls			By Owner	
154	Telecom duct bank 4-4" conduits	300	lf	80.00	24,000		
155	New manhole	1	ea	8,500.00	8,500		
156	<u>Site Lighting</u>						
157	Site lighting and circuitry; Allowance	1	ls	100,000.00	100,000		
158	<u>Site Security, allow</u>						
159	Pole cameras and circuitry	1	ls	25,000.00	25,000		
160	<u>EV Charging Stations (allow)</u>						
161	Assumed NR						
162	SUBTOTAL					343,850	
163							
TOTAL - SITE DEVELOPMENT OPTION 3B							\$6,208,001



PDP Estimate

GFA

158,550

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 5A - TRUM FIELD

GROSS FLOOR AREA CALCULATION

New Building

Level 1	56,402
Level 2	28,060
Level 3	25,668
Level 4	23,779
Level 5	24,641

TOTAL GROSS FLOOR AREA (GFA)

158,550

158,550

A1010 STANDARD FOUNDATIONS

033000 CONCRETE

Strip Footings	116	CY	\$869	/cy
Foundation Walls	265	CY	\$1,349	/cy
Spread Footings	576	CY	\$643	/cy
Grade beams	19	CY	\$1,634	/cy
Piers	229	CY	\$738	/cy

Total Foundation Concrete 1,205 CY

Strip footing: allow 28" x 12"

Formwork	2,562	sf	16.00	40,992
Re-bar	12,810	lbs.	2.00	25,620
Concrete material	116	cy	175.00	20,300
Placing concrete	116	cy	120.00	13,920

Foundation wall: 16" thick

Formwork	10,248	sf	22.00	225,456
Re-bar	20,496	lbs.	2.00	40,992
Concrete material	265	cy	175.00	46,375
Placing concrete	265	cy	120.00	31,800
Form shelf	1,281	lf	10.00	12,810

Spread Footings: 8'x8'x24"

Formwork	3,200	sf	18.00	57,600
Re-bar	28,000	lbs.	2.00	56,000
Concrete material	249	cy	175.00	43,575
Placing concrete	249	cy	120.00	29,880
Set anchor bolts grout plates	50	ea	150.00	7,500

Spread Footings: 10'x10'x24"

Formwork	3,360	sf	18.00	60,480
Re-bar	9,450	lbs.	2.00	18,900
Concrete material	327	cy	155.00	50,685
Placing concrete	327	cy	120.00	39,240
Set anchor bolts grout plates	42	ea	150.00	6,300

Grade beams at braced frames, allow

Formwork	480	sf	18.00	8,640
Re-bar	8,400	lbs.	2.00	16,800
Concrete material	19	cy	175.00	3,325
Placing concrete	19	cy	120.00	2,280

Piers/Pilasters

Formwork	2,318	sf	24.00	55,632
Re-bar	22,900	lbs.	2.00	45,800
Concrete material, 4000psi	229	cy	175.00	40,075
Placing concrete	229	cy	120.00	27,480

Elevator pit	1	loc	50,000.00	50,000
Premium for retaining wall				NR
SOE allowance				NR



PDP Estimate

GFA

158,550

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST	
NEW OPTION 5A - TRUM FIELD								
61	070001 WATERPROOFING, DAMPPROOFING AND CAULKING							
62	Waterproofing at foundation walls	5,124	sf	6.00	30,744			
63	Crystalline waterproofing at elevator pits	720	sf	15.00	10,800			
64	072100 THERMAL INSULATION							
65	2" Insulation at foundation walls	5,124	sf	3.50	17,934			
67	312000 EARTHWORK							
68	<u>Strip footings/Fdn wall</u>							
69	Excavation	1,139	cy	12.00	13,668			
70	Remove off-site	1,139	cy	32.00	36,448			
71	Backfill with imported material	1,023	cy	45.00	46,035			
72	<u>Spread footings/Grade beams</u>							
73	Excavation	1,022	cy	12.00	12,264			
74	Remove off-site	1,022	cy	32.00	32,704			
75	Backfill with imported material	427	cy	45.00	19,215			
76	<u>Miscellaneous</u>							
77	Gravel fill beneath footings, 12"	119	cy	55.00	6,545			
78	Perimeter drain	1,281	lf	32.00	40,992			
79	Temporary dewatering for foundation work	1	ls	10,000.00	10,000			
80	SUBTOTAL					1,355,806		
81								
82								
83	A1020 SPECIAL FOUNDATIONS							
84	SUBTOTAL					-		
85								
86	A1030 LOWEST FLOOR CONSTRUCTION							
87								
88								
89	033000 CONCRETE							
90	<u>slab on grade</u>	56,402	sf					
91	VB at slab on grade	56,402	sf	1.25	70,503			
92	WWF reinforcement	64,862	sf	1.80	116,752			
93	Concrete - 6" thick	1,097	cy	175.00	191,975			
94	Barrier One Admixture	1,097	cy		Assumed Not Required			
95	Placing concrete	1,097	cy	90.00	98,730			
96	Finishing and curing concrete	56,402	sf	3.50	197,407			
97	<u>Miscellaneous</u>							
98	Equipment pads	1	ls	10,000.00	10,000			
99	Underslab drainage system	56,402	sf	3.00	169,206			
100	072100 THERMAL INSULATION							
101	Slab insulation, 2" thick; perimeter only	5,124	sf	3.50	17,934			
102	312000 EARTHWORK							
103	<u>Building</u>							
104	Allowance to remove unsuitable fill + replace with structural fill; allow 2ft deep	4,178	cy	105.00	438,690			
105	Gravel base, 8"	1,400	cy	55.00	77,000			
106	Raise grades with import structural fill - 24"	4,178	cy	60.00	250,680			
107	Gravel base, 8"	4,178	cy	45.00	188,010			
108	Compact existing sub-grade	56,402	sf	1.00	56,402			
109	Under slab E&B for plumbing	56,402	sf	1.50	84,603			
110	<u>Miscellaneous</u>							
111	Equipment pads	1	ls	10,000.00	10,000			
112	SUBTOTAL					1,977,892		
113								
114								
115								
116	TOTAL - FOUNDATIONS						\$3,333,698	
117								
118								
119	A20 BASEMENT CONSTRUCTION							



PDP Estimate

GFA

158,550

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 5A - TRUM FIELD

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A2010 BASEMENT EXCAVATION
No Work in this section
SUBTOTAL

-

A2020 BASEMENT WALLS
No Work in this section
SUBTOTAL

-

TOTAL - BASEMENT CONSTRUCTION

B10 SUPERSTRUCTURE

B1010 FLOOR CONSTRUCTION

17.3 lbs/sf
1,370 tns
\$/Ton

033000 CONCRETE

WWF reinforcement	117,470	sf	1.80	211,446
Concrete Fill to metal deck; 3-1/2" normal weight, total thickness 5 1/2"	1,819	cy	175.00	318,325
Concrete Fill for deflection; 3/4"	298	cy	175.00	52,150
Place and finish concrete	102,148	sf	4.00	408,592
Rebar to decks	30,644	lbs	2.00	61,288

051200 STRUCTURAL STEEL FRAMING

Steel floor framing, columns and lateral bracing;				
Floor framing 18 lbs/sf	919	tns	5,500.00	5,054,500
Premium for AESS steel				NIC
Allowance for additional miscellaneous steel angles, plates etc.				assume included in lbs/sf tns
Shear studs	25,537	ea	3.50	89,380
3" metal floor deck	102,148	sf	7.00	715,036

078100 FIREPROOFING/FIRESTOPPING

Fire proofing to columns and beams; 2 hr	102,148	sf	3.00	306,444
SUBTOTAL				7,217,161

B1020 ROOF CONSTRUCTION

033000 CONCRETE - underneath RTU's + play areas

WWF reinforcement	30,047	sf	1.80	54,085
Concrete Fill to metal deck; 3-1/2" normal weight, total thickness 5 1/2"	1,053	cy	175.00	184,275
Place and finish concrete	26,128	sf	5.00	130,640

051200 STRUCTURAL STEEL FRAMING

Steel floor framing, columns and lateral bracing;				
Floor framing 16 lbs/sf at typical roof	451	tns	5,500.00	2,480,500
Allowance for additional miscellaneous steel angles, plates etc.				assume included in lbs/sf tns
Shear studs	14,101	ea	3.50	49,354
1-1/2" metal floor deck at typical roof	56,402	sf	6.00	338,412
HSS support framing at roof screen				Assumed NR

078100 FIREPROOFING/FIRESTOPPING

Fireproofing to roof deck and structure	56,402	sf	4.00	225,608
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PDP Estimate

GFA

158,550

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 5A - TRUM FIELD

179 SUBTOTAL 3,462,874

TOTAL - SUPERSTRUCTURE						\$10,680,035
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184 **B20 EXTERIOR CLOSURE** 72,705 sf

186 **B2010 EXTERIOR WALLS; 77%** 55,983 sf

188 040001 MASONRY; 80% of Solid

189 Brick veneer 44,786 sf 55.00 2,463,230

190 Precast trim 44,786 sf 2.00 89,572

191 Staging/Lifts to exterior wall Included

193 055000 MISCELLANOUS METALS

194 Miscellaneous metals to exterior; lintels, angles etc. 44,786 sf 2.00 89,572

196 070001 WATERPROOFING, DAMPPROOFING AND CAULKING

197 Air barrier 55,983 sf 9.50 531,839

198 Air barrier/flashing at windows 5,574 lf 6.25 34,838

199 Miscellaneous sealants to closure 55,983 sf 0.50 27,992

201 072100 THERMAL INSULATION

202 Mineral wool insulation; 5" Thermax 55,983 sf 8.00 447,864

203 Spray insulation; 1" 55,983 sf 2.00 111,966

204 Insulation at window openings 5,574 lf 6.00 33,444

206 074213 WALL PANELS; 20% of solid

207 Allowance for rainscreen panels: 20% 11,197 sf 110.00 1,231,670

208 Roof screen Assumed NR

210 092900 GYPSUM BOARD ASSEMBLIES

211 6" metal stud backup 55,983 sf 14.00 783,762

212 Gypsum Sheathing 55,983 sf 4.50 251,924

213 Drywall lining to interior face of stud backup 55,983 sf 5.00 279,915

215 101400 SIGNAGE

216 Signage 1 ls 10,000.00 10,000

217 SUBTOTAL 6,387,588

219 **B2020 WINDOWS; 23%** 16,722 sf

221 092900 GYPSUM BOARD ASSEMBLIES

222 Wood blocking at openings 5,574 lf 14.00 78,036

224 079200 JOINT SEALANTS

225 Backer rod & double sealant 5,574 lf 12.00 66,888

227 080001 METAL WINDOWS

228 Windows, Triple-pane low-e insulated units; 80% 13,378 sf 170.00 2,274,260

229 Curtainwall, Triple-pane low-e insulated units; 20% 3,344 sf 190.00 635,360

230 Sun control allowance 400 lf 240.00 96,000

231 Premium for 3M safety film; 25% of glazing 4,181 sf 15.00 62,715

233 089100 LOUVERS

234 Louvers 100 sf 85.00 8,500

235 SUBTOTAL 3,221,759

237 **B2030 EXTERIOR DOORS**

239 Exterior door allowance 158,550 gsf 1.50 237,825



PDP Estimate

GFA

158,550

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 5A - TRUM FIELD

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SUBTOTAL 237,825

TOTAL - EXTERIOR CLOSURE						\$9,847,172
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B30 ROOFING

B3010 ROOF COVERINGS

PVC roofing membrane; (30 yr warranty), BOD Carlisle SureWeld, 80 mil; 11" insulation, includes all blocking, AVB, etc. **56,402** sf 35.00 1,974,070

ACM metal fascia/soffits **1,281** lf 550.00 704,550

Canopy; allowance **1,000** sf 120.00 120,000

Outdoor play areas **26,128** sf 60.00 1,567,680

SUBTOTAL 4,366,300

B3020 ROOF OPENINGS

SUBTOTAL -

TOTAL - ROOFING						\$4,366,300
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C10 INTERIOR CONSTRUCTION

C1010 PARTITIONS

Interior partitions complete; new construction **158,550** sf 35.00 5,549,250

SUBTOTAL 5,549,250

C1020 INTERIOR DOORS

Interior doors; complete **158,550** gsf 12.00 1,902,600

SUBTOTAL 1,902,600

C1030 SPECIALTIES / MILLWORK

055000 MISCELLANEOUS METALS

Miscellaneous metals complete **158,550** gsf 3.00 475,650

064100 FINISH CARPENTRY

Display cases **130** lf 1,400.00 182,000

Circulation desk **15** lf 1,500.00 22,500

Reading nook **50** lf 600.00 30,000

Millwork complete; other spaces **158,550** gsf 4.00 634,200

070001 WATERPROOFING, DAMPPROOFING AND CAULKING

Miscellaneous sealants throughout building **158,550** gsf 1.50 237,825

101100 VISUAL DISPLAY SURFACES

Marker boards/TB complete **77** rooms 4,400.00 338,800

Interactive White Board projectors FF&E

101400 SIGNAGE

Special graphics **1** ls 100,000.00 100,000

Signage; complete package **158,550** gsf 1.00 158,550

102110 TOILET COMPARTMENTS + Accessories

Toilet partitions/bathroom accessories **158,550** gsf 1.25 198,188

104400 FIRE PROTECTION SPECIALTIES

Fire extinguisher cabinets **53** ea 350.00 18,550

AED cabinets **5** ea 350.00 1,750

105113 LOCKERS



PDP Estimate

GFA 158,550

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
NEW OPTION 5A - TRUM FIELD							
304	Cubbies + lockers	158,550	gsf	2.00	317,100		
305	SUBTOTAL					2,715,113	
TOTAL - INTERIOR CONSTRUCTION							\$10,166,963
C20 STAIRCASES							
C2010 STAIR CONSTRUCTION							
313	New stairs; complete	12	flt	45,000.00	540,000		
314	Stairs; open learning stair	1	ls	150,000.00	150,000		
315	SUBTOTAL					690,000	
C2020 STAIR FINISHES							
318	Finishes complete	12	flt	11,000.00	132,000		
319	SUBTOTAL					132,000	
TOTAL - STAIRCASES							\$822,000
C30 INTERIOR FINISHES							
C3010 WALL FINISHES							
328	Allowance for wall finishes complete	158,550	gsf	9.00	1,426,950		
329	SUBTOTAL					1,426,950	
C3020 FLOOR FINISHES							
333	HD Linoleum; Typical spaces	122,629	sf	8.00	981,032		
334	Terrazzo tile at lobby	3,000	sf	50.00	150,000		
335	Ceramic floor to toilets	5,394	sf	32.00	172,608		
336	Carpet	6,000	sf	6.70	40,200		
337	HD linoleum flooring at cafeteria	4,200	sf	8.00	33,600		
338	Maple athletic flooring in gymnasium	7,500	sf	24.00	180,000		
339	Platform flooring	1,900	sf	28.00	53,200		
340	SUBTOTAL					1,610,640	
C3030 CEILING FINISHES							
343	Ceilings; complete package	158,550	sf	14.00	2,219,700		
344	SUBTOTAL					2,219,700	
TOTAL - INTERIOR FINISHES							\$5,257,290
D10 CONVEYING SYSTEMS							
D1010 ELEVATOR							
351	142000 ELEVATOR						
352	New five stop elevator	1	ls	400,000.00	400,000		
353	SUBTOTAL					400,000	
TOTAL - CONVEYING SYSTEMS							\$400,000
D20 PLUMBING							
D20 PLUMBING, GENERALLY							
363	Plumbing complete	158,550	gsf	26.00	4,122,300		
364	SUBTOTAL					4,122,300	



PDP Estimate

GFA

158,550

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 5A - TRUM FIELD

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TOTAL - PLUMBING							\$4,122,300
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D30 HVAC

D30	HVAC, GENERALLY						
	Allowance for all electric ASHP system	158,550	gsf	90.00	14,269,500		
	SUBTOTAL					14,269,500	

TOTAL - HVAC							\$14,269,500
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D40 FIRE PROTECTION

D40	FIRE PROTECTION, GENERALLY						
	Allowance for fire pump	1	ls	130,000.00	130,000		
	Wet system complete	158,550	gsf	9.00	1,426,950		
	SUBTOTAL					1,556,950	

TOTAL - FIRE PROTECTION							\$1,556,950
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D50 ELECTRICAL

D5010 SERVICE & DISTRIBUTION

Gear & Distribution

Normal Power

	4000A 480/277V switchboard	1	ea	160,000.00	160,000		
	Submeters	1	ls	50,000.00	50,000		
	Associated transformers, panelboards and feeders	158,550	gsf	7.00	1,109,850		
	<u>Emergency power</u>						
	750KW diesel emergency generator and associated gear and distribution	1	ls	400,000.00	400,000		
	Associated ATS's, transformers, panelboards and feeders	158,550	gsf	3.00	475,650		
	<u>Photovoltaic System</u>						
	Infrastructure for system	1	ls	20,000.00	20,000		
	<u>Uninterruptible Power Supply</u>						
	UPS system					NIC	
	<u>Equipment Wiring feeds and connection</u>						
	Misc. mechanical and plumbing equipment feed and connections	158,550	gsf	4.00	634,200		
	Gymnasium equipment feeds and connections	1	ls	15,000.00	15,000		
	kitchen equipment feeds and connections	1	ls	25,000.00	25,000		
	SUBTOTAL					2,889,700	

D5020 LIGHTING & POWER

Lighting & Branch Power

	Lighting (fixtures + install) includes lighting circuitry	158,550	gsf	15.00	2,378,250		
	<u>Lighting controls</u>						
	Networked lighting control system	158,550	gsf	1.50	237,825		
	<u>Branch devices</u>						
	Receptacles/device boxes + wiring	158,550	gsf	5.00	792,750		
	SUBTOTAL					3,408,825	

D5030 COMMUNICATION & SECURITY SYSTEMS

Technology Systems

Procured & installed during the Equipment Phase (FF&E)

	Instructional Video Presentation Equipment					FF&E	
	Computer Network Equipment					FF&E	
	Computer carts & lockers					FF&E	
	Network copier/printer equipment					FF&E	
	Portable Video presentation system					FF&E	
	Cafeteria POS equipment					FF&E	



PDP Estimate

GFA

158,550

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 5A - TRUM FIELD

431	Visitor management system					FF&E		
432	Short throw projectors including cabling					FF&E		
433	<u>Telecommunications - Voice/Data Structured Cabling System</u>							
434	Network switches, routers, firewalls, servers, VOIP, etc.	1	ls			FF&E		
435	Telcom devices, cabling and rough-in	158,550	gsf	3.50	554,925			
436	<u>Digital Signage System</u>							
437	Digital Signage System	158,550	gsf	0.50	79,275			
438	Flat panel display					Included above		
439	Magic info messaging software					Included above		
440	Digital site signage system rough-in and cabling					Included above		
441	<u>Fire Alarm</u>							
442	FA system	158,550	gsf	3.50	554,925			
443	Mass Notification	158,550	gsf	0.50	79,275			
444	<u>Distribution Antennae System</u>							
445	BDA/DAS system, allow	158,550	gsf	0.75	118,913			
446	BDA annunciator					Included above		
447	Splitter					Included above		
448	Police/Fire/School panels					Included above		
449	Lightning & surge protection unit					Included above		
450	Rough-in					Included above		
451	<u>Distributed Communication - Public Address System + Clock system</u>							
452	Complete package	158,550	gsf	1.50	237,825			
453	<u>Classroom Audio (Speech amplification)</u>							
454	Speech amplification	77	rms	3,500.00	269,500			
455	<u>Audio Visual Systems</u>							
456	General building AV equipment					By Owner		
457	Rough-in	158,550	gsf	0.75	118,913			
458	Gymnasium sound system, allow	1	ls	15,000.00	15,000			
459	Cafeteria sound system, allow	1	ls	20,000.00	20,000			
460	Cafeteria Projector	1	ls	25,000.00	25,000			
461	Music Room	1	ls	10,000.00	10,000			
462	<u>Cafetorium</u>							
463	Stage lighting and dimming package, allow	1	ls	75,000.00	75,000			
464	<u>Video Management - CCTV System</u>							
465	Head end + cameras	158,550	gsf	3.00	475,650			
466	<u>Access Control- Intrusion Alarm</u>							
467	Head end + devices	158,550	gsf	2.00	317,100			
468	SUBTOTAL						2,951,301	
469								
470	D5040 OTHER ELECTRICAL SYSTEMS							
471	<u>Common Work Results</u>							
472	Lightning Protection	56,402	sf	0.50	28,201			
473	Temp power and lights; Coordination; BIM	158,550	sf	5.00	792,750			
474	Permits and fees					Assumed Waived		
475	SUBTOTAL						820,951	
476								
477	TOTAL - ELECTRICAL							\$10,070,777
478								
479								
480	E10 EQUIPMENT							
481								
482	E10 EQUIPMENT, GENERALLY							
483								
484	113100 APPLIANCES							
485	Residential appliances; allowance	1	ls	16,000.00	16,000			
486								
487	114000 FOODSERVICE EQUIPMENT							
488	Kitchen equipment	2,600	sf	300.00	780,000			
489								



PDP Estimate

GFA

158,550

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 5A - TRUM FIELD

490	115213	PROJECTION SCREENS					
491		Projection screen - 12' wide; cafeteria, stage	2	ea	8,000.00	16,000	
492							
493	116200	THEATRE EQUIPMENT					
494		Curtain and rigging	1	ls	110,000.00	110,000	
495							
496							
497	116600	ATHLETIC EQUIPMENT					
498		Wall Pads	1,920	sf	18.00	34,560	
499		Gym divider	1	ls	38,000.00	38,000	
500		Gym backboards; retractable	6	loc	12,000.00	72,000	
501		Gym equipment; chin-up bars, climbing ropes, cargo nets, volleyball sleeves, scoreboard etc.	1	ls	12,600.00	12,600	
502		SUBTOTAL					1,079,160
503							
504		TOTAL - EQUIPMENT					\$1,079,160

E20 FURNISHINGS

E2010 FIXED FURNISHINGS

510	122100	WINDOW TREATMENT					
512		Shades complete; rolling mesh	16,722	sf	9.00	150,498	
513							
514	123000	CASEWORK					
515		Classroom Casework	158,550	gsf	14.00	2,219,700	
516		SUBTOTAL					2,370,198
517							
518							
519		All movable furnishings to be provided and installed by owner					
520		SUBTOTAL					NIC
521							
522		TOTAL - FURNISHINGS					\$2,370,198

F10 SPECIAL CONSTRUCTION

F10 SPECIAL CONSTRUCTION
SUBTOTAL

529							-
530		TOTAL - SPECIAL CONSTRUCTION					

F20 SELECTIVE BUILDING DEMOLITION

F2010 BUILDING ELEMENTS DEMOLITION
SUBTOTAL

537							-
538							
539		F2020 HAZARDOUS COMPONENTS ABATEMENT					
540		See main summary for HazMat allowance				See Summary	
541		SUBTOTAL					

TOTAL - SELECTIVE BUILDING DEMOLITION

543							
544							
545		TRADE SUBTOTAL					\$78,342,343



PDP Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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SITWORK OPTION 5A

1	G	SITWORK	100,000	sf		-	
2							
3	G10	SITE PREPARATION & DEMOLITION					
4	311000	GENERAL CONDITIONS					
5		6' high site construction fence	1,800	lf	20.00	36,000	
6		Site construction fence gates and entrance - assume	1	loc	15,000.00	15,000	
7		Mobilizations	1	ea	50,000.00	50,000	
8		Temp laydown areas	1	ls	10,000.00	10,000	
9		Temporary construction signs	1	ls	5,000.00	5,000	
10		Layout/As-builts/Survey	1	ls	15,000.00	15,000	
11							
12	311000	PHASING					
13		Allowance for phasing/logistics	1	ls			NR
14	311000	SITE DEMOLITION AND RELOCATIONS					
15		Demolish existing basketball courts	1	ls	15,000.00	15,000	
16		Demolish existing baseball field	1	ls	20,000.00	20,000	
16		Miscellaneous site demolition; furnishings, concrete pads, signs etc.	1	ls	75,000.00	75,000	
17	311000	UTILITY DEMOLITION					
18		Demolish existing utility lines	500	lf	25.00	12,500	
19		Demolish existing utility structures	1	ea	500.00	500	
20		Cut/cap utility lines	1	ls	30,000.00	30,000	
21							
22	311000	SITE DEMOLITION AND RELOCATIONS					
23		Clear trees; minor clear + grub	1	ls	20,000.00	20,000	
24		Miscellaneous site demolition	1	ls	50,000.00	50,000	
25							
26							
27	312000	EROSION & SEDIMENT CONTROL					
28		Silt Fence; installation and removal	1,800	lf	14.00	25,200	
29		Street sweeping & dust control allowance	1	ls	25,000.00	25,000	
30		Erosion Control monitoring & maintenance	1	ls	20,000.00	20,000	
31		SUBTOTAL					424,200
32							
33	312000	SITE EARTHWORK					
34		<u>Site Earthwork</u>					
35		Cut and fills; allowance for 3ft across site	11,111	cy	40.00	444,440	
36		Strip topsoil; 12"	741	cy	15.00	11,115	
37		Sub grade establishment and fine grading	11,111	sy	2.00	22,222	
38							
39	312000	HAZARDOUS MATERIALS					
40		None included					Excluded
41		SUBTOTAL					477,777
42							
43	G20	SITE IMPROVEMENTS					
44	320000	ROADWAYS AND PARKING LOTS					No Work assumed
45		<u>Asphalt Paving; parking lots and roadway</u>	0	sf			
46		gravel base; 12" thick	0	cy	45.00		
47		asphalt top; 1.5" thick	0	tns	220.00		
48		asphalt binder; 2" thick	0	tns	190.00		
49							
50	320000	CURBING					
51		Vertical granite curb; assume ETR at sidewalks					ETR
52		ADA Curb cuts - assume	4	ea	3,000.00	12,000	
53							



PDP Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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SITEWORK OPTION 5A

58	320000	ROAD MARKINGS AND SIGNS					
59		Sign allowance	1	ls	30,000.00	30,000	
60		Pavement markings allowance	1	ls	25,000.00	25,000	
61		Crosswalk hatching - allowance	3	loc	10,000.00	30,000	
62		SUBTOTAL					97,000
63							
64	320000	PEDESTRIAN PAVING					
65		Pavers at entrances/plaza etc.	15,000	sf	40.00	600,000	
66		<u>Allowance for pedestrian walks: Concrete</u>	18,000	sf			
67		gravel base; 8" thick	447	cy	45.00	20,115	
68		Concrete slab paving; 4" thick	18,000	sf	15.00	270,000	
69		SUBTOTAL					890,115
70							
71	320000	SITE IMPROVEMENTS					
72	320000	SITE FURNISHINGS; allowances					
73		Outdoor classroom - equipment and site furnishings	1	ls	75,000.00	75,000	
74		Flag poles	2	loc	8,000.00	16,000	
75		Benches; stainless steel	20	loc	3,000.00	60,000	
76		Benches; concrete	14	loc	5,000.00	70,000	
77		Bollards; stainless steel, includes base	40	loc	2,900.00	116,000	
78		Bollards; standard	20	loc	1,600.00	32,000	
79		Bicycle racks	50	loc	1,500.00	75,000	
80		Recycling/trash	3	loc	2,800.00	8,400	
81	320000	PLAY AREAS					
82		<u>Playground - pour-in-place safety surfacing - assume</u>	8,000	sf			
83		gravel base; 8" thick	199	cy	45.00	8,955	
84		Pour-in-place safety surface	8,000	sf	35.00	280,000	
85		Allowance for play equipment; including on roof	1	ls	800,000.00	800,000	
86		Fence	745	lf	150.00	111,750	
87		SUBTOTAL					1,653,105
88							
89							
90	329900	SITE WALLS					
91		Allowance for seat walls	1	ls	100,000.00	100,000	
92		SUBTOTAL					100,000
93							
94		Landscaping					
95	320000	ATHLETIC LANDSCAPING;					
96		Allowance for multi-use field	5,000	sf	15.00	NR	
97		Allowance for potential green space	12,000	sf	10.00	NR	
98							
99	329900	LAWN AND SEED					
100		Topsoil - Screen existing	741	cy	25.00	18,525	
101		Topsoil - Export tailings; 10%	74	cy	8.00	592	
102		Soil amend + reuse existing	667	cy	60.00	40,020	
103		Allowance for loam and seed allowance	30,000	sf	0.35	10,500	
104		Bioswale/Raingarden; seed mix	11,515	sf	1.00	11,515	
105		Allowance for Trees/shrubs/plantings	1	ls	200,000.00	200,000	
106		SUBTOTAL					281,152
107							
108	G30	CIVIL MECHANICAL UTILITIES					



PDP Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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SITWORK OPTION 5A

109	210000	FIRE + WATER					
110		4"	CLDI	100	lf	70.00	7,000
111		8"	CLDI	200	lf	150.00	30,000
112			Hydrant with Gate valve	4	ea	3,500.00	14,000
113			Fire department connection	1	ea	2,500.00	2,500
114			PIV	1	ea	2,000.00	2,000
115			Connect to existing water line	1	ea	40,000.00	40,000
116			SUBTOTAL				95,500
117							
118	333000	SANITARY SEWER					
119		8"	PVC	300	lf	60.00	18,000
120			SMH	3	ea	4,500.00	13,500
121			Grease trap - assumed 4,000 gal.	1	ea	20,000.00	20,000
122			Connect to existing	1	ea	15,000.00	15,000
123			SUBTOTAL				66,500
124							
125	334000	STORM DRAINAGE					
126			Stormwater systems; allowance for underground detention	1	ls	1,500,000	1,500,000
127			Stormwater systems; allowance	41,000	sf	15.00	615,000
128			SUBTOTAL				2,115,000
129							
130	G40	ELECTRICAL UTILITIES					
131			Site Civil for Electrical				
132			<u>Concrete:</u>				
133			Primary duct bank (allow)	300	lf	30.00	9,000
134			Secondary duct bank	50	lf	40.00	2,000
135			Generator duct bank	50	lf	20.00	1,000
136			Communications duct bank	300	lf	20.00	6,000
137			Transformer pad	1	ea	2,000.00	2,000
138			Generator pad	1	ea	2,000.00	2,000
139			<u>Excavation & Backfill:</u>				
140			Primary duct bank	300	lf	30.00	9,000
141			Secondary duct bank	60	lf	28.00	1,680
142			Generator duct bank	60	lf	22.00	1,320
143			Communications duct bank	300	lf	22.00	6,600
144			<u>Power</u>				
145			Utility company back charges (allow)	1	ls		By Owner
146			New manhole	1	ea	9,000.00	9,000
147			Utility company pad mounted transformer				Utility co.
148			Primary duct bank 2-4" empty conduit	300	lf	40.00	12,000
149			4000A Secondary duct bank, allow	50	lf	1,470.00	73,500
150			Generator duct bank, allow	50	lf	1,025.00	51,250
151			<u>Communications, allow</u>				
152			Utility company back charges (allow)	1	ls		By Owner
153			Telecom duct bank 4-4" conduits	300	lf	80.00	24,000
154			New manhole	1	ea	8,500.00	8,500
155			<u>Site Lighting</u>				
156			Site lighting and circuitry; Allowance	1	ls	100,000.00	100,000
157			<u>Site Security, allow</u>				
158			Pole cameras and circuitry	1	ls	25,000.00	25,000
159			<u>EV Charging Stations (allow)</u>				
160			Assumed NR				
161			SUBTOTAL				343,850
162							
163							

TOTAL - SITE DEVELOPMENT OPTION 5A	\$6,544,199
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PDP Estimate

GFA

173,500

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 5B - TRUM FIELD

GROSS FLOOR AREA CALCULATION

New Building

Level 1	61,056
Level 2	29,551
Level 3	28,290
Level 4	25,630
Level 5	28,973

TOTAL GROSS FLOOR AREA (GFA)

173,500

173,500

A1010 STANDARD FOUNDATIONS

033000 CONCRETE

Strip Footings	127	CY	\$868	/cy
Foundation Walls	290	CY	\$1,347	/cy
Spread Footings	611	CY	\$645	/cy
Grade beams	19	CY	\$1,634	/cy
Piers	244	CY	\$738	/cy

Total Foundation Concrete 1,291 CY

Strip footing: allow 28" x 12"

Formwork	2,800	sf	16.00	44,800
Re-bar	14,000	lbs.	2.00	28,000
Concrete material	127	cy	175.00	22,225
Placing concrete	127	cy	120.00	15,240

Foundation wall: 16" thick

Formwork	11,200	sf	22.00	246,400
Re-bar	22,400	lbs.	2.00	44,800
Concrete material	290	cy	175.00	50,750
Placing concrete	290	cy	120.00	34,800
Form shelf	1,400	lf	10.00	14,000

Spread Footings: 8'x8'x24"

Formwork	3,456	sf	18.00	62,208
Re-bar	30,240	lbs.	2.00	60,480
Concrete material	269	cy	175.00	47,075
Placing concrete	269	cy	120.00	32,280
Set anchor bolts grout plates	54	ea	150.00	8,100

Spread Footings: 10'x10'x24"

Formwork	3,520	sf	18.00	63,360
Re-bar	9,900	lbs.	2.00	19,800
Concrete material	342	cy	155.00	53,010
Placing concrete	342	cy	120.00	41,040
Set anchor bolts grout plates	44	ea	150.00	6,600

Grade beams at braced frames, allow

Formwork	480	sf	18.00	8,640
Re-bar	8,400	lbs.	2.00	16,800
Concrete material	19	cy	175.00	3,325
Placing concrete	19	cy	120.00	2,280

Piers/Pilasters

Formwork	2,470	sf	24.00	59,280
Re-bar	24,400	lbs.	2.00	48,800
Concrete material, 4000psi	244	cy	175.00	42,700
Placing concrete	244	cy	120.00	29,280

Elevator pit	1	loc	50,000.00	50,000
Premium for retaining wall				NR
SOE allowance				NR



PDP Estimate

GFA

173,500

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST	
NEW OPTION 5B - TRUM FIELD								
61	070001 WATERPROOFING, DAMPPROOFING AND CAULKING							
62	Waterproofing at foundation walls	5,600	sf	6.00	33,600			
63	Crystalline waterproofing at elevator pits	720	sf	15.00	10,800			
64	072100 THERMAL INSULATION							
65	2" Insulation at foundation walls	5,600	sf	3.50	19,600			
67	312000 EARTHWORK							
68	<u>Strip footings/Fdn wall</u>							
69	Excavation	1,244	cy	12.00	14,928			
70	Remove off-site	1,244	cy	32.00	39,808			
71	Backfill with imported material	1,117	cy	45.00	50,265			
72	<u>Spread footings/Grade beams</u>							
73	Excavation	1,089	cy	12.00	13,068			
74	Remove off-site	1,089	cy	32.00	34,848			
75	Backfill with imported material	459	cy	45.00	20,655			
76	<u>Miscellaneous</u>							
77	Gravel fill beneath footings, 12"	130	cy	55.00	7,150			
78	Perimeter drain	1,400	lf	32.00	44,800			
79	Temporary dewatering for foundation work	1	ls	10,000.00	10,000			
80	SUBTOTAL					1,455,595		
81								
82								
83	A1020 SPECIAL FOUNDATIONS							
84	SUBTOTAL					-		
85								
86	A1030 LOWEST FLOOR CONSTRUCTION							
87								
88								
89	033000 CONCRETE							
90	<u>slab on grade</u>	61,056	sf					
91	VB at slab on grade	61,056	sf	1.25	76,320			
92	WWF reinforcement	70,214	sf	1.80	126,385			
93	Concrete - 6" thick	1,187	cy	175.00	207,725			
94	Barrier One Admixture	1,187	cy		Assumed Not Required			
95	Placing concrete	1,187	cy	90.00	106,830			
96	Finishing and curing concrete	61,056	sf	3.50	213,696			
97	<u>Miscellaneous</u>							
98	Equipment pads	1	ls	10,000.00	10,000			
99	Underslab drainage system	61,056	sf	3.00	183,168			
100	072100 THERMAL INSULATION							
101	Slab insulation, 2" thick; perimeter only	5,600	sf	3.50	19,600			
102	312000 EARTHWORK							
103	<u>Building</u>							
104	Allowance to remove unsuitable fill + replace with structural fill; allow 2ft deep	4,523	cy	105.00	474,915			
105	Gravel base, 8"	1,515	cy	55.00	83,325			
106	Raise grades with import structural fill - 24"	4,523	cy	60.00	271,380			
107	Gravel base, 8"	4,523	cy	45.00	203,535			
108	Compact existing sub-grade	61,056	sf	1.00	61,056			
109	Under slab E&B for plumbing	61,056	sf	1.50	91,584			
110	<u>Miscellaneous</u>							
111	Equipment pads	1	ls	10,000.00	10,000			
112	SUBTOTAL					2,139,519		
113								
114								
115								
116	TOTAL - FOUNDATIONS						\$3,595,114	
117								
118								
119	A20 BASEMENT CONSTRUCTION							



PDP Estimate

GFA

173,500

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 5B - TRUM FIELD

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A2010 BASEMENT EXCAVATION
No Work in this section
SUBTOTAL

-

A2020 BASEMENT WALLS
No Work in this section
SUBTOTAL

-

TOTAL - BASEMENT CONSTRUCTION

B10 SUPERSTRUCTURE

B1010 FLOOR CONSTRUCTION

17.3 lbs/sf
1,500 tns
\$/Ton

033000 CONCRETE

WWF reinforcement	129,311	sf	1.80	232,760
Concrete Fill to metal deck; 3-1/2" normal weight, total thickness 5 1/2"	2,003	cy	175.00	350,525
Concrete Fill for deflection; 3/4"	328	cy	175.00	57,400
Place and finish concrete	112,444	sf	4.00	449,776
Rebar to decks	33,733	lbs	2.00	67,466

051200 STRUCTURAL STEEL FRAMING

Steel floor framing, columns and lateral bracing;				
Floor framing 18 lbs/sf	1,012	tns	5,500.00	5,566,000
Premium for AESS steel				NIC
Allowance for additional miscellaneous steel angles, plates etc.				assume included in lbs/sf tns
Shear studs	28,111	ea	3.50	98,389
3" metal floor deck	112,444	sf	7.00	787,108

078100 FIREPROOFING/FIRESTOPPING

Fire proofing to columns and beams; 2 hr	112,444	sf	3.00	337,332
SUBTOTAL				7,946,756

B1020 ROOF CONSTRUCTION

033000 CONCRETE - underneath RTU's + play areas

WWF reinforcement	32,075	sf	1.80	57,735
Concrete Fill to metal deck; 3-1/2" normal weight, total thickness 5 1/2"	1,140	cy	175.00	199,500
Place and finish concrete	27,891	sf	5.00	139,455

051200 STRUCTURAL STEEL FRAMING

Steel floor framing, columns and lateral bracing;				
Floor framing 16 lbs/sf at typical roof	488	tns	5,500.00	2,684,000
Allowance for additional miscellaneous steel angles, plates etc.				assume included in lbs/sf tns
Shear studs	15,264	ea	3.50	53,424
1-1/2" metal floor deck at typical roof	61,056	sf	6.00	366,336
HSS support framing at roof screen				Assumed NR

078100 FIREPROOFING/FIRESTOPPING

Fireproofing to roof deck and structure	61,056	sf	4.00	244,224
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PDP Estimate

GFA

173,500

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 5B - TRUM FIELD

179 SUBTOTAL 3,744,674

TOTAL - SUPERSTRUCTURE							\$11,691,430
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184 **B20 EXTERIOR CLOSURE** 81,195 sf

186 **B2010 EXTERIOR WALLS; 77%** 62,520 sf

188 040001 MASONRY; 80% of Solid

189 Brick veneer 50,016 sf 55.00 2,750,880

190 Precast trim 50,016 sf 2.00 100,032

191 Staging/Lifts to exterior wall Included

193 055000 MISCELLANEOUS METALS

194 Miscellaneous metals to exterior; lintels, angles etc. 50,016 sf 2.00 100,032

196 070001 WATERPROOFING, DAMPPROOFING AND CAULKING

197 Air barrier 62,520 sf 9.50 593,940

198 Air barrier/flashing at windows 6,225 lf 6.25 38,906

199 Miscellaneous sealants to closure 62,520 sf 0.50 31,260

201 072100 THERMAL INSULATION

202 Mineral wool insulation; 5" Thermax 62,520 sf 8.00 500,160

203 Spray insulation; 1" 62,520 sf 2.00 125,040

204 Insulation at window openings 6,225 lf 6.00 37,350

206 074213 WALL PANELS; 20% of solid

207 Allowance for rainscreen panels: 20% 12,504 sf 110.00 1,375,440

208 Roof screen Assumed NR

210 092900 GYPSUM BOARD ASSEMBLIES

211 6" metal stud backup 62,520 sf 14.00 875,280

212 Gypsum Sheathing 62,520 sf 4.50 281,340

213 Drywall lining to interior face of stud backup 62,520 sf 5.00 312,600

215 101400 SIGNAGE

216 Signage 1 ls 10,000.00 10,000

217 SUBTOTAL 7,132,260

219 **B2020 WINDOWS; 23%** 18,675 sf

221 092900 GYPSUM BOARD ASSEMBLIES

222 Wood blocking at openings 6,225 lf 14.00 87,150

224 079200 JOINT SEALANTS

225 Backer rod & double sealant 6,225 lf 12.00 74,700

227 080001 METAL WINDOWS

228 Windows, Triple-pane low-e insulated units; 80% 14,940 sf 170.00 2,539,800

229 Curtainwall, Triple-pane low-e insulated units; 20% 3,735 sf 190.00 709,650

230 Sun control allowance 400 lf 240.00 96,000

231 Premium for 3M safety film; 25% of glazing 4,669 sf 15.00 70,035

233 089100 LOUVERS

234 Louvers 100 sf 85.00 8,500

235 SUBTOTAL 3,585,835

237 **B2030 EXTERIOR DOORS**

239 Exterior door allowance 173,500 gsf 1.50 260,250



PDP Estimate

GFA

173,500

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 5B - TRUM FIELD

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SUBTOTAL 260,250

TOTAL - EXTERIOR CLOSURE						\$10,978,345
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B30 ROOFING

B3010 ROOF COVERINGS

PVC roofing membrane; (30 yr warranty), BOD Carlisle SureWeld, 80 mil; 11" insulation, includes all blocking, AVB, etc. **61,056** sf 35.00 2,136,960

ACM metal fascia/soffits **1,400** lf 550.00 770,000

Canopy; allowance **1,000** sf 120.00 120,000

Outdoor play areas **27,891** sf 60.00 1,673,460

SUBTOTAL 4,700,420

B3020 ROOF OPENINGS

SUBTOTAL -

TOTAL - ROOFING						\$4,700,420
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C10 INTERIOR CONSTRUCTION

C1010 PARTITIONS

Interior partitions complete; new construction **173,500** sf 35.00 6,072,500
SUBTOTAL 6,072,500

C1020 INTERIOR DOORS

Interior doors; complete **173,500** gsf 12.00 2,082,000
SUBTOTAL 2,082,000

C1030 SPECIALTIES / MILLWORK

055000 MISCELLANEOUS METALS

Miscellaneous metals complete **173,500** gsf 3.00 520,500

064100 FINISH CARPENTRY

Display cases **130** lf 1,400.00 182,000

Circulation desk **15** lf 1,500.00 22,500

Reading nook **50** lf 600.00 30,000

Millwork complete; other spaces **173,500** gsf 4.00 694,000

070001 WATERPROOFING, DAMPPROOFING AND CAULKING

Miscellaneous sealants throughout building **173,500** gsf 1.50 260,250

101100 VISUAL DISPLAY SURFACES

Marker boards/TB complete **86** rooms 4,400.00 378,400

Interactive White Board projectors FF&E

101400 SIGNAGE

Special graphics **1** ls 100,000.00 100,000

Signage; complete package **173,500** gsf 1.00 173,500

102110 TOILET COMPARTMENTS + Accessories

Toilet partitions/bathroom accessories **173,500** gsf 1.25 216,875

104400 FIRE PROTECTION SPECIALTIES

Fire extinguisher cabinets **58** ea 350.00 20,300

AED cabinets **5** ea 350.00 1,750

105113 LOCKERS



PDP Estimate

GFA 173,500

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
NEW OPTION 5B - TRUM FIELD							
304	Cubbies + lockers	173,500	gsf	2.00	347,000		
305	SUBTOTAL					2,947,075	
TOTAL - INTERIOR CONSTRUCTION							\$11,101,575
C20 STAIRCASES							
C2010 STAIR CONSTRUCTION							
313	New stairs; complete	12	flt	45,000.00	540,000		
314	Stairs; open learning stair	1	ls	150,000.00	150,000		
315	SUBTOTAL					690,000	
C2020 STAIR FINISHES							
318	Finishes complete	12	flt	11,000.00	132,000		
319	SUBTOTAL					132,000	
TOTAL - STAIRCASES							\$822,000
C30 INTERIOR FINISHES							
C3010 WALL FINISHES							
328	Allowance for wall finishes complete	173,500	gsf	9.00	1,561,500		
329	SUBTOTAL					1,561,500	
C3020 FLOOR FINISHES							
333	HD Linoleum; Typical spaces	136,831	sf	8.00	1,094,648		
334	Terrazzo tile at lobby	3,000	sf	50.00	150,000		
335	Ceramic floor to toilets	5,394	sf	32.00	172,608		
336	Carpet	6,000	sf	6.70	40,200		
337	HD linoleum flooring at cafeteria	4,200	sf	8.00	33,600		
338	Maple athletic flooring in gymnasium	7,500	sf	24.00	180,000		
339	Platform flooring	1,900	sf	28.00	53,200		
340	SUBTOTAL					1,724,256	
C3030 CEILING FINISHES							
343	Ceilings; complete package	173,500	sf	14.00	2,429,000		
344	SUBTOTAL					2,429,000	
TOTAL - INTERIOR FINISHES							\$5,714,756
D10 CONVEYING SYSTEMS							
D1010 ELEVATOR							
351	142000 ELEVATOR						
352	New five stop elevator	1	ls	400,000.00	400,000		
353	SUBTOTAL					400,000	
TOTAL - CONVEYING SYSTEMS							\$400,000
D20 PLUMBING							
D20 PLUMBING, GENERALLY							
358	Plumbing complete	173,500	gsf	26.00	4,511,000		
359	SUBTOTAL					4,511,000	



PDP Estimate

GFA 173,500

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 5B - TRUM FIELD

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TOTAL - PLUMBING							\$4,511,000
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D30 HVAC

D30	HVAC, GENERALLY						
	Allowance for all electric ASHP system	173,500	gsf	90.00	15,615,000		
	SUBTOTAL					15,615,000	

TOTAL - HVAC							\$15,615,000
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D40 FIRE PROTECTION

D40	FIRE PROTECTION, GENERALLY						
	Allowance for fire pump	1	ls	130,000.00	130,000		
	Wet system complete	173,500	gsf	9.00	1,561,500		
	SUBTOTAL					1,691,500	

TOTAL - FIRE PROTECTION							\$1,691,500
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D50 ELECTRICAL

D5010 SERVICE & DISTRIBUTION

Gear & Distribution

Normal Power

	4000A 480/277V switchboard	1	ea	160,000.00	160,000		
	Submeters	1	ls	50,000.00	50,000		
	Associated transformers, panelboards and feeders	173,500	gsf	7.00	1,214,500		
	<u>Emergency power</u>						
	750KW diesel emergency generator and associated gear and distribution	1	ls	400,000.00	400,000		
	Associated ATS's, transformers, panelboards and feeders	173,500	gsf	3.00	520,500		
	<u>Photovoltaic System</u>						
	Infrastructure for system	1	ls	20,000.00	20,000		
	<u>Uninterruptible Power Supply</u>						
	UPS system						
							NIC
	<u>Equipment Wiring feeds and connection</u>						
	Misc. mechanical and plumbing equipment feed and connections	173,500	gsf	4.00	694,000		
	Gymnasium equipment feeds and connections	1	ls	15,000.00	15,000		
	kitchen equipment feeds and connections	1	ls	25,000.00	25,000		
	SUBTOTAL					3,099,000	

D5020 LIGHTING & POWER

Lighting & Branch Power

	Lighting (fixtures + install) includes lighting circuitry	173,500	gsf	15.00	2,602,500		
	<u>Lighting controls</u>						
	Networked lighting control system	173,500	gsf	1.50	260,250		
	<u>Branch devices</u>						
	Receptacles/device boxes + wiring	173,500	gsf	5.00	867,500		
	SUBTOTAL					3,730,250	

D5030 COMMUNICATION & SECURITY SYSTEMS

Technology Systems

Procured & installed during the Equipment Phase (FF&E)

	Instructional Video Presentation Equipment						FF&E
	Computer Network Equipment						FF&E
	Computer carts & lockers						FF&E
	Network copier/printer equipment						FF&E
	Portable Video presentation system						FF&E
	Cafeteria POS equipment						FF&E



PDP Estimate

GFA

173,500

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST	
NEW OPTION 5B - TRUM FIELD								
431	Visitor management system					FF&E		
432	Short throw projectors including cabling					FF&E		
433	<u>Telecommunications - Voice/Data Structured Cabling System</u>							
434	Network switches, routers, firewalls, servers, VOIP, etc.	1	ls			FF&E		
435	Telcom devices, cabling and rough-in	173,500	gsf	3.50	607,250			
436	<u>Digital Signage System</u>							
437	Digital Signage System	173,500	gsf	0.50	86,750			
438	Flat panel display					Included above		
439	Magic info messaging software					Included above		
440	Digital site signage system rough-in and cabling					Included above		
441	<u>Fire Alarm</u>							
442	FA system	173,500	gsf	3.50	607,250			
443	Mass Notification	173,500	gsf	0.50	86,750			
444	<u>Distribution Antennae System</u>							
445	BDA/DAS system, allow	173,500	gsf	0.75	130,125			
446	BDA annunciator					Included above		
447	Splitter					Included above		
448	Police/Fire/School panels					Included above		
449	Lightning & surge protection unit					Included above		
450	Rough-in					Included above		
451	<u>Distributed Communication - Public Address System + Clock system</u>							
452	Complete package	173,500	gsf	1.50	260,250			
453	<u>Classroom Audio (Speech amplification)</u>							
454	Speech amplification	86	rms	3,500.00	301,000			
455	<u>Audio Visual Systems</u>							
456	General building AV equipment					By Owner		
457	Rough-in	173,500	gsf	0.75	130,125			
458	Gymnasium sound system, allow	1	ls	15,000.00	15,000			
459	Cafeteria sound system, allow	1	ls	20,000.00	20,000			
460	Cafeteria Projector	1	ls	25,000.00	25,000			
461	Music Room	1	ls	10,000.00	10,000			
462	<u>Cafetorium</u>							
463	Stage lighting and dimming package, allow	1	ls	75,000.00	75,000			
464	<u>Video Management - CCTV System</u>							
465	Head end + cameras	173,500	gsf	3.00	520,500			
466	<u>Access Control- Intrusion Alarm</u>							
467	Head end + devices	173,500	gsf	2.00	347,000			
468	SUBTOTAL						3,222,000	
469								
470	D5040 OTHER ELECTRICAL SYSTEMS							
471	<u>Common Work Results</u>							
472	Lightning Protection	61,056	sf	0.50	30,528			
473	Temp power and lights; Coordination; BIM	173,500	sf	5.00	867,500			
474	Permits and fees					Assumed Waived		
475	SUBTOTAL						898,028	
476								
477	TOTAL - ELECTRICAL							\$10,949,278
478								
479								
480	E10 EQUIPMENT							
481								
482	E10 EQUIPMENT, GENERALLY							
483								
484	113100 APPLIANCES							
485	Residential appliances; allowance	1	ls	16,000.00	16,000			
486								
487	114000 FOODSERVICE EQUIPMENT							
488	Kitchen equipment	2,600	sf	300.00	780,000			
489								



PDP Estimate

GFA

173,500

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	ESTD COST	SUB TOTAL	TOTAL COST
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NEW OPTION 5B - TRUM FIELD

490	115213	PROJECTION SCREENS						
491		Projection screen - 12' wide; cafeteria, stage	2	ea	8,000.00	16,000		
492								
493	116200	THEATRE EQUIPMENT						
494		Curtain and rigging	1	ls	110,000.00	110,000		
495								
496								
497	116600	ATHLETIC EQUIPMENT						
498		Wall Pads	1,920	sf	18.00	34,560		
499		Gym divider	1	ls	38,000.00	38,000		
500		Gym backboards; retractable	6	loc	12,000.00	72,000		
501		Gym equipment; chin-up bars, climbing ropes, cargo nets, volleyball sleeves, scoreboard etc.	1	ls	12,600.00	12,600		
502		SUBTOTAL					1,079,160	
503								
504	TOTAL - EQUIPMENT							\$1,079,160

E20 FURNISHINGS

E2010 FIXED FURNISHINGS

510	122100	WINDOW TREATMENT						
512		Shades complete; rolling mesh	18,675	sf	9.00	168,075		
513								
514	123000	CASEWORK						
515		Classroom Casework	173,500	gsf	14.00	2,429,000		
516		SUBTOTAL					2,597,075	
517								
518	E2020 MOVABLE FURNISHINGS							
519		All movable furnishings to be provided and installed by owner						
520		SUBTOTAL					NIC	
521								
522	TOTAL - FURNISHINGS							\$2,597,075

F10 SPECIAL CONSTRUCTION

F10 SPECIAL CONSTRUCTION
SUBTOTAL

TOTAL - SPECIAL CONSTRUCTION

F20 SELECTIVE BUILDING DEMOLITION

F2010 BUILDING ELEMENTS DEMOLITION
SUBTOTAL

F2020 HAZARDOUS COMPONENTS ABATEMENT

See main summary for HazMat allowance

See Summary

SUBTOTAL

TOTAL - SELECTIVE BUILDING DEMOLITION

TRADE SUBTOTAL

\$85,446,653



PDP Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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SITWORK OPTION 5B

1	G	SITWORK	100,000	sf		-	
2							
3	G10	SITE PREPARATION & DEMOLITION					
4	311000	GENERAL CONDITIONS					
5		6' high site construction fence	1,800	lf	20.00	36,000	
6		Site construction fence gates and entrance - assume	1	loc	15,000.00	15,000	
7		Mobilizations	1	ea	50,000.00	50,000	
8		Temp laydown areas	1	ls	10,000.00	10,000	
9		Temporary construction signs	1	ls	5,000.00	5,000	
10		Layout/As-builts/Survey	1	ls	15,000.00	15,000	
11							
12	311000	PHASING					
13		Allowance for phasing/logistics	1	ls		NR	
14	311000	SITE DEMOLITION AND RELOCATIONS					
15		Demolish existing basketball courts	1	ls	15,000.00	15,000	
16		Demolish existing baseball field	1	ls	20,000.00	20,000	
16		Miscellaneous site demolition; furnishings, concrete pads, signs etc.	1	ls	75,000.00	75,000	
17	311000	UTILITY DEMOLITION					
18		Demolish existing utility lines	500	lf	25.00	12,500	
19		Demolish existing utility structures	1	ea	500.00	500	
20		Cut/cap utility lines	1	ls	30,000.00	30,000	
21							
22	311000	SITE DEMOLITION AND RELOCATIONS					
23		Clear trees; minor clear + grub	1	ls	20,000.00	20,000	
24		Miscellaneous site demolition	1	ls	50,000.00	50,000	
25							
26							
27	312000	EROSION & SEDIMENT CONTROL					
28		Silt Fence; installation and removal	1,800	lf	14.00	25,200	
29		Street sweeping & dust control allowance	1	ls	25,000.00	25,000	
30		Erosion Control monitoring & maintenance	1	ls	20,000.00	20,000	
31		SUBTOTAL					424,200
32							
33	312000	SITE EARTHWORK					
34		<u>Site Earthwork</u>					
35		Cut and fills; allowance for 3ft across site	11,111	cy	40.00	444,440	
36		Strip topsoil; 12"	741	cy	15.00	11,115	
37		Sub grade establishment and fine grading	11,111	sy	2.00	22,222	
38							
39	312000	HAZARDOUS MATERIALS					
40		None included				Excluded	
41		SUBTOTAL					477,777
42							
43	G20	SITE IMPROVEMENTS					
44	320000	ROADWAYS AND PARKING LOTS				No Work assumed	
45		<u>Asphalt Paving; parking lots and roadway</u>	0	sf			
46		gravel base; 12" thick	0	cy	45.00		
47		asphalt top; 1.5" thick	0	tns	220.00		
48		asphalt binder; 2" thick	0	tns	190.00		
49							
50	320000	CURBING					
51		Vertical granite curb; assume ETR at sidewalks				ETR	
52		ADA Curb cuts - assume	4	ea	3,000.00	12,000	
53							



PDP Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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SITEWORK OPTION 5B

58	320000	ROAD MARKINGS AND SIGNS					
59		Sign allowance	1	ls	30,000.00	30,000	
60		Pavement markings allowance	1	ls	25,000.00	25,000	
61		Crosswalk hatching - allowance	3	loc	10,000.00	30,000	
62		SUBTOTAL					97,000

64	320000	PEDESTRIAN PAVING					
65		Pavers at entrances/plaza etc.	15,000	sf	40.00	600,000	
66		<u>Allowance for pedestrian walks: Concrete</u>	18,000	sf			
67		gravel base; 8" thick	447	cy	45.00	20,115	
68		Concrete slab paving; 4" thick	18,000	sf	15.00	270,000	
69		SUBTOTAL					890,115

71	320000	SITE IMPROVEMENTS					
72	320000	SITE FURNISHINGS; allowances					
73		Outdoor classroom - equipment and site furnishings	1	ls	75,000.00	75,000	
74		Flag poles	2	loc	8,000.00	16,000	
75		Benches; stainless steel	20	loc	3,000.00	60,000	
76		Benches; concrete	14	loc	5,000.00	70,000	
77		Bollards; stainless steel, includes base	40	loc	2,900.00	116,000	
78		Bollards; standard	20	loc	1,600.00	32,000	
79		Bicycle racks	50	loc	1,500.00	75,000	
80		Recycling/trash	3	loc	2,800.00	8,400	
81	320000	PLAY AREAS					
82		<u>Playground - pour-in-place safety surfacing - assume</u>	8,000	sf			
83		gravel base; 8" thick	199	cy	45.00	8,955	
84		Pour-in-place safety surface	8,000	sf	35.00	280,000	
85		Allowance for play equipment; including on roof	1	ls	800,000.00	800,000	
86		Fence	745	lf	150.00	111,750	
87		SUBTOTAL					1,653,105

90	329900	SITE WALLS					
91		Allowance for seat walls	1	ls	100,000.00	100,000	
92		SUBTOTAL					100,000

94		Landscaping					
95	320000	ATHLETIC LANDSCAPING;					
96		Allowance for multi-use field	5,000	sf	15.00	NR	
97		Allowance for potential green space	12,000	sf	10.00	NR	
99	329900	LAWN AND SEED					
100		Topsoil - Screen existing	741	cy	25.00	18,525	
101		Topsoil - Export tailings; 10%	74	cy	8.00	592	
102		Soil amend + reuse existing	667	cy	60.00	40,020	
103		Allowance for loam and seed allowance	30,000	sf	0.35	10,500	
104		Bioswale/Raingarden; seed mix	11,515	sf	1.00	11,515	
105		Allowance for Trees/shrubs/plantings	1	ls	200,000.00	200,000	
106		SUBTOTAL					281,152

G30 CIVIL MECHANICAL UTILITIES



PDP Estimate

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
SITWORK OPTION 5B							
109	210000 FIRE + WATER						
110	4" CLDI	100	lf	70.00	7,000		
111	8" CLDI	200	lf	150.00	30,000		
112	Hydrant with Gate valve	4	ea	3,500.00	14,000		
113	Fire department connection	1	ea	2,500.00	2,500		
114	PIV	1	ea	2,000.00	2,000		
115	Connect to existing water line	1	ea	40,000.00	40,000		
116	SUBTOTAL					95,500	
117							
118	333000 SANITARY SEWER						
119	8" PVC	300	lf	60.00	18,000		
120	SMH	3	ea	4,500.00	13,500		
121	Grease trap - assumed 4,000 gal.	1	ea	20,000.00	20,000		
122	Connect to existing	1	ea	15,000.00	15,000		
123	SUBTOTAL					66,500	
124							
125	334000 STORM DRAINAGE						
126	Stormwater systems; allowance for underground detention	1	ls	1,500,000	1,500,000		
127	Stormwater systems; allowance	41,000	sf	15.00	615,000		
128	SUBTOTAL					2,115,000	
129							
130							
131	G40 ELECTRICAL UTILITIES						
132	Site Civil for Electrical						
133	<u>Concrete:</u>						
134	Primary duct bank (allow)	300	lf	30.00	9,000		
135	Secondary duct bank	50	lf	40.00	2,000		
136	Generator duct bank	50	lf	20.00	1,000		
137	Communications duct bank	300	lf	20.00	6,000		
138	Transformer pad	1	ea	2,000.00	2,000		
139	Generator pad	1	ea	2,000.00	2,000		
140	<u>Excavation & Backfill:</u>						
141	Primary duct bank	300	lf	30.00	9,000		
142	Secondary duct bank	60	lf	28.00	1,680		
143	Generator duct bank	60	lf	22.00	1,320		
144	Communications duct bank	300	lf	22.00	6,600		
145	<u>Power</u>						
146	Utility company back charges (allow)	1	ls			By Owner	
147	New manhole	1	ea	9,000.00	9,000		
148	Utility company pad mounted transformer					Utility co.	
149	Primary duct bank 2-4" empty conduit	300	lf	40.00	12,000		
150	4000A Secondary duct bank, allow	50	lf	1,470.00	73,500		
151	Generator duct bank, allow	50	lf	1,025.00	51,250		
152	<u>Communications, allow</u>						
153	Utility company back charges (allow)	1	ls			By Owner	
154	Telecom duct bank 4-4" conduits	300	lf	80.00	24,000		
155	New manhole	1	ea	8,500.00	8,500		
156	<u>Site Lighting</u>						
157	Site lighting and circuitry; Allowance	1	ls	100,000.00	100,000		
158	<u>Site Security, allow</u>						
159	Pole cameras and circuitry	1	ls	25,000.00	25,000		
160	<u>EV Charging Stations (allow)</u>						
161	Assumed NR						
162	SUBTOTAL					343,850	
163							
TOTAL - SITE DEVELOPMENT OPTION 5B							\$6,544,199