

Report:	REVISED DECEMBER 7, 2017	Status:	Concept / Schematic Design	Prep by:	ja/mvd	Date [subm]:	December 7, 2017	STAT BOX	Verify w designer
Project:	Concept Design Cost Estimate	Client:	Grimm & Parker	Chckd by:	bd/sm	Date [Revised]		Acres buildable	45.00
Location:	City of Harrisonburg - New High School	Owner/Dept:	HPS	D&S Job no.:	112017	platform rev.	2017	Slab on Grade	122649.00
Addl Ref:	Harrisonburg, Virginia	Owner/Entity:	City of Harrisonburg	LAN ref:				Slab on Deck	65306.00
	Drawings Dated 11/20/2017							TOTAL New Add GSF	187955.00
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Description	D1	D2	D3	D4	Q1	U1	Assem UC to GC [US]	Raw Unit Cost Material	Raw Extension Material	Raw Unit Cost Labor	Raw Extension Labor	Total Unit Cost Loaded	Raw Unit Cost Equipment	Total Unit Cost Extension	Raw Extension Equipment	Loaded Extension *Taxes & Brdn
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2018 DOLLARS PROJECT HARD CONSTRUCTION COST SUMMARY													SITE CONST	NEW CONST	NEW CONST		
DIV# CSI DIVISION SUMMARY													SUBTOTAL	SUBTOTAL	COST per SF		
1.00 GENERAL REQUIREMENTS																	
2.00 EXISTING CONDITIONS DEMOLITION																	\$7.73
3.00 CONCRETE																	\$0.20
4.00 MASONRY																	\$8.05
5.00 METALS																	\$11.44
6.00 WOOD, PLASTICS & COMPOSITES																	\$19.83
7.00 THERMAL & MOISTURE PROTECTION																	\$0.94
8.00 OPENINGS / DOORS AND WINDOWS																	\$11.74
9.00 FINISHES																	\$13.39
10.00 SPECIALTIES																	\$15.02
11.00 EQUIPMENT																	\$5.60
12.00 FURNISHINGS																	\$13.42
13.00 SPECIAL CONSTRUCTION																	\$7.10
14.00 CONVEYING EQUIPMENT																	\$0.00
21.00 FIRE SUPPRESSION																	\$139.921
22.00 PLUMBING																	\$0.74
23.00 HEATING, VENTILATION & AIR CONDITIONING																	\$732.276
26.00 ELECTRICAL																	\$3.90
27.00 COMMUNICATIONS																	\$2,022.958
28.00 ELECTRONIC SAFETY & SECURITY																	\$10.76
31.00 EARTHWORK ALLOWANCE																	\$6,657.321
32.00 EXTERIOR IMPROVEMENTS ALLOWANCE																	\$35.42
33.00 UTILITIES ALLOWANCE																	\$19.82
ADDITIONAL SITE SCOPE ALLOWANCE																	\$7.26
SUBTOTALS																	\$687.227
OVERHEAD & PROFIT																	\$3.66
SUBTOTAL																	\$2,215.279
BONDS																	\$4,170.803
SUBTOTAL																	\$22.19
INSURANCE																	\$10.76
SUBTOTAL																	\$2,021.659
ESTIMATE DESIGN SCOPE CONTINGENCY																	\$390.157
SUBTOTAL																	\$8,834.646
ESCALATION TO MIDPT																	\$36,803.005
SUBTOTAL																	\$1,748.143
GROSS RECEIPTS TAX ON VIRGINIA STATE PROJECTS ONLY																	\$419.646
SUBTOTALS SITE & BUILDING BASE BID																	\$9,254.292
TOTAL BASE BID BUILDING & SITE COMBINED																	\$38,551.147
ADD 16 CLASSROOMS TO BASE BID																	\$92.543
SUBTOTAL																	\$385.511
CONSTRUCTION CONTINGENCY																	\$9,346.834
TOTAL BASE BID BUILDING & SITE COMBINED WITH CONSTRUCTION CONTINGENCY																	\$38,936.659
ADDITIVE	ALTERNATE - FOOTBALL STADIUM																\$39,100.193
ADDITIVE	ALTERNATE - GEOTHERMAL HEAT PUMP HVAC SYSTEM	189,957	GSF														\$3,910.019
ADDITIVE	ALTERNATE - AUXILARY GYM	6,400	GSF														\$43,010.212
ADDITIVE	ALTERNATE - SIGNALIZATION AT ACCESS RD																\$971.460
ADDITIVE	ALTERNATE - SECOND ACCESS ROAD & ENTRANCE																\$11,765.465
TOTAL BASE BID AND ADD ALTERNATES																	\$46,881.131

Report: REVISED DECEMBER 7, 2017										STAT BOX		Verify w designer	
Project: Concept Design Cost Estimate										Acres buildable		45.00	
Location: City of Harrisonburg - New High School													
Addl Ref: Harrisonburg, Virginia													
Status: Concept / Schematic Design													
Client: Grimm & Parker													
Owner/Dept: HPS													
Owner/Entity: City of Harrisonburg													
Prep by: ja/mvd										Date [subm]: December 7, 2017			
Chckd by: bd/sm										Date [Revised]			
D&S Job no.: 112017										platform rev. 2017		©Downey & Scott 2017	
LAN ref:													
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										TOTAL Comb. GSF		187955.00	
										Raw Unit Cost		Total Unit Cost	
Description										Equipment		Extension	
										Raw Unit Cost		Loaded Extension	
										Labor		+Taxes & Brdn	

D1	D2	D3	D4	Q1	U1	Assem UC	Raw Unit Cost	Raw Extension	Raw Unit Cost	Raw Extension	Total Unit	Raw Unit Cost	Total Unit Cost	Raw Extension	Loaded Extension
				Quantity US	UM	to GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	
GENERAL CONDITIONS															
GC Self Performed															
Office Project Management (Personal With Direct Project Time. Not Assoc With Normal Inner Office Overhead)															
Gen Cond				2.40	MOS						8,313.60			19,952.64	
Gen Cond				8.00	MOS						7,967.20			63,737.60	
Gen Cond				12.00	MOS						6,235.20			74,822.40	
Field Supervision															
Gen Cond				24.00	MOS						7,620.80			182,899.20	
Gen Cond				48.00	MOS						6,928.00			332,544.00	
Gen Cond				24.00	MOS						3,464.00			83,136.00	
Super's equipment															
Gen Cond				24.00	MOS						545.00			13,080.00	
Gen Cond				24.00	MOS						122.00			2,928.00	
Trailers temporary															
Gen Cond				24.00	MOS						550.00			13,200.00	
Gen Cond			(2) units	24.00	MOS						376.25			9,030.00	
Gen Cond				1.00	EA						262.50			262.50	
Toilets temporary															
Gen Cond			(4) units	24.00	MOS						392.00			9,408.00	
Gen Cond				2.00	LS						105.00			210.00	
Site graphics temporary															
Gen Cond				1.00	EA						450.00			450.00	
Gen Cond				1.00	EA						250.00			250.00	
Gen Cond				1.00	EA						250.00			250.00	
Utilities temporary															
Gen Cond				24.00	MOS						155.00			3,720.00	
Gen Cond				24.00	MOS						165.00			3,960.00	
Gen Cond				24.00	MOS						79.00			1,896.00	
Gen Cond				24.00	MOS						100.00			2,400.00	
Gen Cond				12.00	MOS						1,250.00			15,000.00	
Services by GC [or designated sub]															
Gen Cond				1.00	LS						4,200.00			4,200.00	
Gen Cond				23.00	MOS						425.00			9,775.00	
Gen Cond				1.00	LS						11,500.00			11,500.00	
Gen Cond				1.00	LS						21,000.00			21,000.00	
Gen Cond				1.00	LS						9,500.00			9,500.00	
Gen Cond				1.00	LS						7,000.00			7,000.00	
Gen Cond				1.00	LS						8,000.00			8,000.00	
Gen Cond				1.00	EA						1,200.00			1,200.00	

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Project:	City of Harrisonburg - New High School			Client:	Grimm & Parker		Chckd by:	bd/sm	Date [Revised]				
Location:	Harrisonburg, Virginia			Owner/Dept:	HPS		D&S Job no.:	112017	platform rev.	2017		Slab on Grade	122649.00
Addl Ref:	Drawings Dated 11/20/2017			Owner/Entity:	City of Harrisonburg		LAN ref:				Slab on Deck	65306.00	
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Gen Cond	Protection temporary															
Gen Cond	Winter protection															
Gen Cond					1.00	LS						8,500.00		8,500.00		
Gen Cond	Safety misc allowance															
Gen Cond					1.00	LS						6,500.00		6,500.00		
Gen Cond	Fencing rental contract															
Gen Cond					6,000	LF						9.38		56,250.00		
Gen Cond	Clean-up & Punchlist															
Gen Cond	Clean streets machine															
Gen Cond			2x per month		36.00	EA						955.00		34,380.00		
Gen Cond	Final punchlist															
Gen Cond					1.00	LS						1,750.00		1,750.00		
Gen Cond	Final clean-up cleaning subcontractor															
Gen Cond					187,955.00	GSF						0.16		30,072.80		
Gen Cond	Final clean-up laborer															
Gen Cond					40.00	HRS						18.50		740.00		
Gen Cond	Dumpster 30 CY general use rental															
Gen Cond			2 pull / Month		48.00	PULL						725.00		34,800.00		
Gen Cond	Permits															
Gen Cond	By Owner															
Gen Cond	Office supplies & repro															
Gen Cond	Office supplies															
Gen Cond					1.00	LS						3,000.00		3,000.00		
Gen Cond	Courier fees															
Gen Cond					1.00	LS						1,250.00		1,250.00		
Gen Cond	As-built sepias corrections by super															
Gen Cond					1.00	LS						5,000.00		5,000.00		
Gen Cond	Dwg. and Doc. Reproduction inc. Doc.s for Subs															
Gen Cond					1.00	LS						3,500.00		3,500.00		
Gen Cond	GC Mobilization / Demobilization															
Gen Cond					1.00	LS						15,000.00		15,000.00		
Gen Cond	Subtotal															
Gen Cond	Sales taxes															
Gen Cond					6.00% for material and equipment							17,452.74		17,452.74		
Gen Cond	Payroll brdn															
Gen Cond					42.00% labor burden							338,383.54		338,383.54		
Gen Cond	GENERAL CONDITIONS Div. TOTAL															
Gen Cond															1,461,890.42	
Exist. Cond	EXISTING CONDITIONS / DEMO															
Exist. Cond	Site Demolition Allowances															
Exist. Cond	Concrete curb															
Exist. Cond					100	LF						3.75		374.71		
Exist. Cond	Asphalt pavement															
Exist. Cond			2000.00		222	SY						5.99		1,331.66		
Exist. Cond	Saw cut asphalt															
Exist. Cond					80	LF						2.23		178.75		
Exist. Cond	Misc site demo															
Exist. Cond					200	CY						63.50		12,699.10		
Exist. Cond	CY of site debris for landfill disposal															
Exist. Cond					200	CY										
Exist. Cond	CY of concrete and asphalt for recycling															
Exist. Cond					81	CY										
Exist. Cond	Haul/Dispose of Site Debris															
Exist. Cond	Dump truck to landfill 2 axle/10 CY															
Exist. Cond				2	40	EHR						112.24		4,489.53		
Exist. Cond	Dump fees assume 1 ton per CY															
Exist. Cond					200	CY						79.23		15,845.40		
Exist. Cond	Dump truck to recycling facility 2 axle/10 CY															
Exist. Cond				2	16	EHR						112.24		1,829.07		
Exist. Cond	Subtotal															
Exist. Cond	Sales taxes															
Exist. Cond					6.00% for material and equipment											
Exist. Cond	Payroll brdn															
Exist. Cond					42.00% labor burden											
Exist. Cond	SC MU OH & P on self performed work															
Exist. Cond															36,748.23	
Exist. Cond	EXISTING CONDITIONS Div. TOTAL															

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D1	D2	D3	D4	Q1	U1	Assem UC	Raw Unit Cost	Raw Extension	Raw Unit Cost	Raw Extension	Total Unit	Raw Unit Cost	Total Unit Cost	Raw Extension	Loaded Extension																															
Description				Quantity US	UM	to GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+Taxes & Brdn																															

D1	D2	D3	D4	Q1	U1	Assem UC	Raw Unit Cost	Raw Extension	Raw Unit Cost	Raw Extension	Total Unit	Raw Unit Cost	Total Unit Cost	Raw Extension	Loaded Extension
Description				Quantity US	UM	to GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+Taxes & Brdn
Conc Foundations	CONCRETE	CAST IN PLACE	Subcontracted												
Conc Foundations	CIP Foundations														
Conc Foundations	Excavation														
Conc Foundations	Excavate by mch Elev Pit			13.33	CY						29.44		392.58		
Conc Foundations		LF Of Wall	Total SF												
Conc Foundations	Con't Exterior Footing Calculator														
Conc Foundations	MARK/Rebar Sz	Length	Width	Depth	Concrete	Total Lf									
Conc Foundations	Ext wall	2,657.00	3.00	1.00	Cubic Yds	Rebar					EXCAVATION ONLY		51.99		15,349.85
Conc Foundations					295.22	5,420									
Conc Foundations	Con't Interior Footing/Thickened Calculator														
Conc Foundations	MARK/Rebar Sz	Length	Width	Depth	Concrete	Total Lf									
Conc Foundations	Int	1,840.00	2.00	1.00	Cubic Yds	Rebar					EXCAVATION ONLY		51.99		7,086.62
Conc Foundations					136.30	3,754									
Conc Foundations	Column Footing Calculator														
Conc Foundations	Count	Length	Width	Depth	Concrete	Total Lf									
Conc Foundations		74.00	6.00	1.00	Cubic Yds	Rebar					EXCAVATION ONLY		51.99		5,130.10
Conc Foundations		60.00	8.00	1.00	98.67	3,552							51.99		7,394.73
Conc Foundations					142.22	3,840									
Conc Foundations	Column Piers Calculator														
Conc Foundations	Count	Height	Width	Depth	Concrete	Total Lf									
Conc Foundations		134.00	1.50	2.00	Cubic Yds	Rebar									
Conc Foundations					22.33	2,010									
Conc Foundations	Backfill machine col ftgs and con't wall ftgs				125.05	CY					41.65		5,207.96		
Conc Foundations	Backfill hand col ftgs				27.79	CY					24.97		694.01		
Conc Foundations	Backfill Interior														
Conc Foundations	Int backfill by conc sub using onsite earth materials				291.79	CY					EXCAVATION ONLY		30.68		8,952.02
Conc Foundations															
Conc Foundations	Foundation Formwork														
Conc Foundations	Formwork footings Col footings				719.28	SF					4.18		3,008.97		
Conc Foundations	Formwork footings Cont wall footings				2,582.60	SF					2.52		6,520.84		
Conc Foundations	Formwork Col Piers				1,139.00	SF					3.79		4,311.71		
Conc Foundations	Foundation Reinforcement														
Conc Foundations	Bar #	Unit weight													
Conc Foundations		Lbs per foot			Total LF										
Conc Foundations	4	0.668			2010.00										
Conc Foundations	5	1.043			18575.88										
Conc Foundations	Black stl Reinforcement				10.36	TNS					3,274.78		33,922.36		
Conc Foundations	Chairs and Accessories				0.21	TNS					3,274.78		678.45		
Conc Foundations	Foundation Placement														
Conc Foundations	Place con't exterior wall footings			3,000 PSI	295.22	CY					180.61		53,319.85		
Conc Foundations	Place column footings			3,000 PSI	98.67	CY					180.61		17,820.11		
Conc Foundations	Place thickened slab/wall footings			3,500 PSI	136.30	CY					189.23		25,791.73		
Conc Foundations	Place Col Piers			3,000 PSI	22.33	CY					180.61		4,033.61		
Conc Foundations					552.52										
Conc Foundations	Pumping & / or Mechanical Placement														
Conc Foundations	Pumping premium per CY				552.52	CY					21.84		12,065.77		
Conc Foundations	Misc Foundation Items														
Conc Foundations	Accessories misc			allowances	1.00	LS					4,311.80		4,311.80		
Conc Foundations	Additional specified reqs			allowances	1.00	LS					3,672.21		3,672.21		

Report:	REVISED DECEMBER 7, 2017 Concept Design Cost Estimate	Status:	Concept / Schematic Design	Prep by:	ja/mvd	Date [subm]:	December 7, 2017		
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Location:	Harrisonburg, Virginia	Owner/Dept:	HPS	D&S Job no.:	112017	Date [Revised]:			
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STAT BOX	Verify w designer
Acres buildable	45.00
Slab on Grade	122649.00
Slab on Deck	65306.00
TOTAL New Add GSF	187955.00
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Description				Quantity US	UM	to GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+Taxes & Brdn

Conc SOG	Slab-On-Grade			122,649.00	GSF										
Conc SOG	SOG Prep.														
Conc SOG	Fine grade to subgrade			122,649.00	SF						0.32			39,007.94	
Conc SOG	Perim insul 2" polystyrene			10,628.00	SF						1.12			11,875.13	
Conc SOG	Porous fill gravel			2,189.28	TNS						35.64			78,029.56	
Conc SOG	Moist barrier			128,781.45	SF						1.59			204,791.67	
Conc SOG	Joints control sawn			6,132.45	LF						0.87			5,316.69	
Conc SOG	Formwork														
Conc SOG	Formwork diamonds			592.00	SF						5.71			3,379.76	
Conc SOG	Slab-On-Grade Reinforcing														
Conc SOG	Mesh 6x6 - W2.0xW2.0			128,781.45	SF						0.71			91,864.89	
Conc SOG	Bar #	Unit weight													
Conc SOG		Lbs per foot		Total LF											
Conc SOG	4	0.668		3605.88											
Conc SOG	Black stl small quant			1.20	TNS						2,956.55			3,560.77	
Conc SOG	Chairs and Accessories			0.93	TNS						2,956.55			2,736.46	
Conc SOG	Placement	See below for pumping													
Conc SOG	Place SOG		3,500 PSI	1,862.45	CY						189.81			353,513.80	
Conc SOG	Isolation boxes at columns		74.00	5.48	CY						261.77			1,434.87	
Conc SOG				1,867.93											
Conc SOG	Pumping & / or Mechanical Placement														
Conc SOG	Pumping premium per CY			1,867.93	CY						20.17			37,684.15	
Conc SOG	SOG Finishing														
Conc SOG	Trowel slabs fine			122,649.00	SF						0.58			70,851.45	
Conc SOG	Protect & cure slabs			122,649.00	SF						0.06			7,960.88	
Conc SOG	Accessories misc	allowance		1.00	LS						4,886.70			4,886.70	
Conc SOG	Additional specified reqs	allowance		1.00	LS						3,815.94			3,815.94	
Conc SOG	Elevated Slabs and Slab-On-Deck FLOORING			65,306.00	GSF										
Conc SOD	Slab-On-Deck Reinforcing														
Conc SOD	Mesh 6x6-10/10 W1.4/W1.4	SOD		69,093.75	SF						0.54			37,239.77	
Conc SOD	Bar #	Unit weight													
Conc SOD		Lbs per foot		Total LF											
Conc SOD	4	0.668		1828.57		1221.48									
Conc SOD	Black stl small quant			0.61	TNS						2,956.55			1,805.69	
Conc SOD	Chairs and Accessories			0.50	TNS						2,956.55			1,466.07	
Conc SOD	Mas rebar black stl			27.02	TONS										
Conc SOD	Placement	See below for pumping													
Conc SOD	Place SOD		3,500 PSI	1,257.75	CY						198.91			250,173.39	
Conc SOD	Place stair fill trd pans/Indgs,incl fin		3,500 PSI	19.07	CY						244.57			4,664.99	
Conc SOD	Pumping & / or Mechanical Placement														
Conc SOD	Pumping premium per CY			1,276.82	CY						20.17			25,758.92	

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Project: Concept Design Cost Estimate													Acres buildable		45.00
Location: City of Harrisonburg - New High School													Slab on Grade		122649.00
Addr Ref: Harrisonburg, Virginia													Slab on Deck		65306.00
Status: Concept / Schematic Design													TOTAL New Add GSF		187955.00
Client: Grimm & Parker													TOTAL Comb. GSF		187955.00
Owner/Dept: HPS															
Owner/Entity: City of Harrisonburg															
Prep by: ja/mvd															
Chckd by: bd/sm															
Date [subm]: December 7, 2017															
Date [Revised]:															
D&S Job no.: 112017															
LAN ref:															
platform rev. 2017															
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Description	D1	D2	D3	D4	Q1	U1	Assem UC	Raw Unit Cost	Raw Extension	Raw Unit Cost	Raw Extension	Total Unit	Raw Unit Cost	Total Unit Cost	Raw Extension	Total Unit Cost	
					Quantity US	UM	to GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	Loaded Extension	
Slab-On-Deck Finishing																	
Trowel slabs fine					65,306.00	SF						0.58					37,725.74
Trowel trds/risers incl above																	
Protect & cure slabs					65,306.00	SF						0.06					4,238.87
Misc																	
Accessories misc				allowances						1.00	LS			4,886.70			4,886.70
Additional specified reqs				allowances					1.00	LS				3,815.94			3,815.94
Subtotal																	
Sales taxes	6.00% for material and equipment																
Payroll brdn	42.00% labor burden																
SC MU OH & P on self performed work																	
CONCRETE WORK Div. TOTAL																	
															1,512,151.99		

MASONRY Subcontracted																	
	Surveyed	U/M	Convert SF	Extended													
	Quantity	US only	to # units	Quantity													
Regular brick																	
Field Brick	52,942.00	SF	3.00	158,826.00	EA								3.63				575,873.76
HDMU	3,412.00	SF	1.13	3,855.56	EA								10.02				38,621.94
Veneer mortar																	
Brick & HDMU	162,681.56	EA	0.01	1,138.77	BGS									31.96			36,391.66
Sand, plain	1,138.77	Totl # bags	0.11	119.57	TNS									30.72			3,673.80
CMU backup																	
08/08/16 req	2,856.00	SF	1.13	3,213.00	EA									8.85			28,445.73
12/08/16 req	48,476.00	SF	1.13	54,535.50	EA									12.20			665,486.09
Special Incorporate PC or CMU lintels w/ bond bms																	
08/08/16 Bond bm	158.75	SF	1.13	178.59	EA									8.29			1,479.65
12/08/16 Bond bm	1,905.62	SF	1.13	2,143.82	EA									10.33			22,154.50
Mortar																	
Block	3,213.00	EA	0.03	96.39	BGS										19.64		1,892.73
Sand, plain	96.39	Totl # bags	0.11	10.12	TNS										30.72		310.97
Grout fill																	
Bnd bm (6"-8")	158.75	SF	0.01	2.35	CY										226.43		532.51
Bnd bm (10"-12")	1,905.62	SF	0.02	35.29	CY										226.43		7,990.37
Walls (8")	2,856.00	SF	0.003	8.57	CY										226.43		1,940.01
Walls (12")	48,476.00	SF	0.005	247.23	CY										226.43		55,978.57
Partition block																	
04/08/16 reg	1,932.00	SF	1.13	2,173.50	EA										6.81		14,807.12
06/08/16 reg	2,720.00	SF	1.13	3,060.00	EA										7.80		23,872.68
08/08/16 reg	18,912.00	SF	1.13	21,276.00	EA										8.85		188,363.31
08/08/16 rated	4,528.00	SF	1.13	5,094.00	EA										10.55		53,757.28
12/08/16 rated	2,816.00	SF	1.13	3,168.00	EA										14.70		46,579.18
Partn bond beam Incorporate PC or CMU lintels w/ bond bms																	
06/08/16	113.39	SF	1.13	127.56	EA										7.07		901.76
08/08/16	1,594.13	SF	1.13	1,793.40	EA										8.40		15,071.50
12/08/16	117.39	SF	1.13	132.07	EA										10.33		1,364.79

Report:	REVISÉ DECEMBER 7, 2017	Status:	Concept / Schematic Design	Prep by:	ja/mvd	Date [subm]:	December 7, 2017	STAT BOX	Verify w designer
Project:	Concept Design Cost Estimate	Client:	Grimm & Parker	Chckd by:	bd/sm	Date [Revised]		Acres buildable	45.00
Location:	City of Harrisonburg - New High School	Owner/Dept:	HPS	D&S Job no.:	112017	platform rev. 2017		Slab on Grade	122649.00
Addl Ref:	Harrisonburg, Virginia	Owner/Entity:	City of Harrisonburg	LAN ref:				Slab on Deck	65306.00
	Drawings Dated 11/20/2017							TOTAL New Add GSF	187955.00
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Description	D1	D2	D3	D4	Q1	U1	Assem UC to GC [US]	Raw Unit Cost	Raw Extension	Raw Unit Cost	Raw Extension	Total Unit	Raw Unit Cost	Total Unit Cost	Raw Extension	Loaded Extension
					Quantity US	UM		Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+ Taxes & Brdn
Masonry		32,732.91						34,518.96								
Masonry	Mortar															
Masonry	Block	34,518.96 EA		0.03	1,035.57	BGS						19.64		20,334.64		
Masonry	Sand	1,035.57 Totl # bags		0.11	108.73	TNS						30.72		3,340.86		
Masonry	Grout fill															
Masonry	Bnd bm (6"-8")	1,707.52 SF		0.01	25.30	CY						226.43		5,727.79		
Masonry	Walls (8")	18,912.00 SF		0.003	56.74	CY						226.43		12,846.46		
Masonry	Substructure															
Masonry	Foundation block															
Masonry	06/08/16 req	5,256.63 SF		1.13	5,913.71	EA						7.80		46,135.94		
Masonry	08/08/16 req	5,256.63 SF		1.13	5,913.71	EA						8.85		52,355.95		
Masonry		10,513.25			11,827.41											
Masonry	Mortar															
Masonry	Block	11,827.41 EA		0.03	354.82	BGS						18.48		6,557.52		
Masonry	Sand	354.82 Totl # bags		0.11	37.26	TNS						29.26		1,090.19		
Masonry	Grout fill solid															
Masonry	Walls (6-8")	10,513.25 SF		0.250	97.34	CY						226.43		22,041.35		
Masonry	Flashing															
Masonry	Membrane flashing	2,657.00 LF		1.33	3,533.81	SF						0.49		1,741.57		
Masonry	Metal reinf															
Masonry	Ext wall durowall	53,396.37 SF		0.67	35,775.56	LF						0.62		22,039.10		
Masonry	Int partn durowall	32,615.52 SF		0.67	21,852.40	LF						0.15		3,365.48		
Masonry			Bar #	Unit weight	Total LF	Pounds										
Masonry			4	0.668	27632.80	18458.71										
Masonry	Mas rebar				9.23 TNS							3,203.65		29,567.66		
Masonry					9.22 TONS											
Masonry	Miscellaneous															
Masonry	Cavity Insul, 2"	56,354.00 SF														
Masonry	Parging, 1"	5,256.63 SF			5,256.63	SF						0.61		3,223.01		
Masonry	Brick Clean mas	162,681.56 EA			162,681.56	EA						0.05		7,938.67		
Masonry	CMU Clean mas	34,518.96 EA			34,518.96	EA						0.12		4,135.12		
Masonry	Scaffolding	89,086.91 SF			89,086.91	SF						1.00		89,181.47		
Masonry	Forklift rental	20.00 WKS			20.00	WKS						770.05		15,400.94		
Masonry	Patch days	2.00 WKS			2.00	EA						385.77		771.54		
Masonry	Saw blade	4.00 EA		"diamond"	4.00	EA						315.72		1,262.88		
Masonry	Masonry Dumpsters	20.00 PULLS			20.00	PULLS						753.11		15,062.12		
Masonry	Subtotal															
Masonry	Sales taxes	6.00% for material and equipment														
Masonry	Payroll brdn	42.00% labor burden														
Masonry	SC MU	OH & P	on self performed work													
Masonry	MASONRY WORK Div. TOTAL													2,149,610.15		

REVISD DECEMBER 7, 2017										STAT BOX		Verify w designer				
Report:	Concept Design Cost Estimate			Status:	Concept / Schematic Design		Prep by:	ja/mvd	Date [subm]:	December 7, 2017		Acres buildable	45.00			
Project:	City of Harrisonburg - New High School			Client:	Grimm & Parker		Chckd by:	bd/sm	Date [Revised]							
Location:	Harrisonburg, Virginia			Owner/Dept:	HPS		D&S Job no.:	112017	platform rev. 2017			Slab on Grade	122649.00			
Addl Ref:	Drawings Dated 11/20/2017			Owner/Entity:	City of Harrisonburg		LAN ref:					Slab on Deck	65306.00			
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												TOTAL Comb. GSF	187955.00			
	D1	D2	D3	D4	Q1	U1	Assem UC	Raw Unit Cost	Raw Extension	Raw Unit Cost	Raw Extension	Total Unit	Raw Unit Cost	Total Unit Cost	Raw Extension	Loaded Extension
Description					Quantity US	UM	to GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+Taxes & Brdn

Metals	METALS		Subcontracted														
Metals	Quantity																
Metals	Floor frame - Note: Cost inc. Misc Steel and Metal Decking																
Metals	[1st] fl - [] fl cols	65,306.00	2.10		68.57	TNS						3,556.58			243,879.34		
Metals	Horiz flr frm	65,306.00	9.50		310.20	TNS						3,556.58			1,103,263.68		
Metals	Roof frame - Note: Cost inc. Misc Steel and Metal Decking																
Metals	[Roof] Lvl cols	122,649.00	2.10		128.78	TNS						3,556.58			458,021.58		
Metals	Rf frame	122,649.00	6.15		377.15	TNS						3,449.74			1,301,055.64		
Metals	MISCELLANEOUS METALS																
Misc. Metals	Subcontracted																
Misc. Metals	Misc shop fabrications																
Misc. Metals	Curtainwall anchors				4.26	TNS						3,262.77			13,899.41		
Misc. Metals	Steel lintel assemblies coordinate w/str stl			725.00	2.47	TNS						3,262.77			8,042.74		
Misc. Metals	Elev hoist beam	W8 x 15		15.00	0.11	TNS						3,262.77			367.06		
Misc. Metals	Elev sill angle	L6"x 4"x 3/8"		40.00	0.17	TNS						3,262.77			567.72		
Misc. Metals	Elev pit ladder				12.00	LF						60.07			720.88		
Misc. Metals	Roof Steel ladder bolted incl cage				16.00	LF						143.60			2,297.60		
Misc. Metals	Folding partns hanging stl assembly			174.25	3.49	TNS						3,646.44			12,707.84		
Misc. Metals	Folding partns threaded hangers				87.13	EA						55.21			4,809.95		
Misc. Metals	Misc. requirements				1.00	LS						26,250.81			26,250.81		
Misc. Metals	Shop Drawings				1.00	LS						10,163.77			10,163.77		
Misc. Metals	Stairs																
Misc. Metals	Metal pan Fabricated Stairs 5' wide Treads				160.00	EA						419.51			67,122.37		
Misc. Metals	Metal pan landings				1,324.00	SF						67.18			88,939.89		
Misc. Metals	Monumental Stairs at Commons	allowance includes railings			1.00	LS						134,017.94			134,017.94		
Misc. Metals	Railings																
Misc. Metals	utility																
Misc. Metals	Wall mntd	1 1/2" dia	single rail		227.20	LF						81.09			18,423.82		
Misc. Metals	Flr mntd	1 1/2" dia	3 rail		243.20	LF						103.46			25,162.08		
Misc. Metals	Decorative Railing				112.00	LF						210.33			23,556.46		
Misc. Metals	Flr mntd	galv stl			112.00	LF						116.25			13,020.15		
Misc. Metals	Subtotal																
Metals	Sales taxes	6.00% for material and equipment															
Metals	Payroll brdn	42.00% labor burden															
Metals	SC MU OH & P on self performed work																
Metals	METALS WORK Div. TOTAL															3,556,290.74	

Report: REVISED DECEMBER 7, 2017													STAT BOX		Verify w designer
Project: Concept Design Cost Estimate													Acres buildable		45.00
Location: City of Harrisonburg - New High School															
Address Ref: Harrisonburg, Virginia															
Drawings Dated: 11/20/2017															
Status: Concept / Schematic Design															
Client: Grimm & Parker															
Owner/Dept: HPS															
Owner/Entity: City of Harrisonburg															
Prep by: ja/mvd													Date [subm]: December 7, 2017		
Chckd by: bd/sm													Date [Revised]		
D&S Job no.: 112017													platform rev. 2017		
LAN ref:													©Downey & Scott 2017		
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													TOTAL Comb. GSF		187955.00
D1	D2	D3	D4	Q1	U1	Assem UC	Raw Unit Cost	Raw Extension	Raw Unit Cost	Raw Extension	Total Unit	Raw Unit Cost	Total Unit Cost	Raw Extension	Loaded Extension
Description				Quantity US	UM	to GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+Taxes & Brdn

Light Ga. Mts	LGSSF															
Light Ga. Mts	Framed Walls															
Light Ga. Mts	Table		LF	Ht	Spacing	Wall area	UM									
Light Ga. Mts	Insert LF	>	1,947.00	14.67	1.33	28,562.49										
Light Ga. Mts	Track 6" -18 Ga					4,088.70	LF				4.73		19,330.46			
Light Ga. Mts	Stud 6" -18 Ga					24,052.62	LF				5.47		131,556.65			
Light Ga. Mts	Exterior Sheeting Qty.					30,161.99	SF									
Light Ga. Mts																
Light Ga. Mts	LGSSF		LGSSF fasteners/acc for gross LF			28,141.32	LF				0.15		4,265.86			
Light Ga. Mts	LGSSF		welding eq & cutting eq rental			6.00	Wks				454.76		2,728.57			
Light Ga. Mts	Coordinated construction drawings					1.00	EA				3,459.22		3,459.22			
Light Ga. Mts	Exterior		sheathing fasteners			30,161.99	SF				0.30		9,144.34			
Light Ga. Mts																
Light Ga. Mts																
Light Ga. Mts	Subtotal															
Light Ga. Mts	Sales taxes		6.00%	for material and equipment												
Light Ga. Mts	Payroll brdn		42.00%	labor burden												
Light Ga. Mts																
Light Ga. Mts	SC MU		OH & P	on self performed work												
Light Ga. Mts	LIGHT GAGE METALS WORK Div. TOTAL															170,485.10

Wood/Plastics	WOOD, PLASTICS & COMPOSITES															
Wood/Plastics																
Wood/Plastics	HW & Connectors															
Wood/Plastics	Hardware		rough, incl misc fasteners			1.00	LS				2,566.25		2,566.25			
Wood/Plastics	Anchor bolts		parapet			355	EA				3.65		1,294.32			
Wood/Plastics																
Wood/Plastics	Roof Blocking															
Wood/Plastics	Pressure treated lumber															
Wood/Plastics	2x6 qr 2					8,638.67	LF				1.36		11,740.24			
Wood/Plastics	2x12 qr 2					1,645.46	LF				2.57		4,226.84			
Wood/Plastics																
Wood/Plastics	Dens Glass Gold insulating exterior sheathing. Glass mat embedded															
Wood/Plastics	in a water-resistant treated gypsum core with bond-enhancing gold primer coating															
Wood/Plastics	5/8" x 4' x 8'					30,161.99	SF				2.19		66,066.79			
Wood/Plastics																
Wood/Plastics	Interior Carpentry															
Wood/Plastics	Built-in wood framed / Glass Display Case					750.00	SF				76.38		57,287.33			
Wood/Plastics	Blocking		toilet accessories			58.00	#BR				71.91		4,170.67			
Wood/Plastics	Blocking		total Building System			187,955.00	GSF				0.07		13,142.58			
Wood/Plastics	Solid Surface window stool					196.00	LF				79.22		15,526.19			
Wood/Plastics																
Wood/Plastics	Subtotal															
Wood/Plastics	Sales taxes		6.00%	for material and equipment												
Wood/Plastics	Payroll brdn		42.00%	labor burden												
Wood/Plastics																
Wood/Plastics	SC MU		OH & P	on self performed work												
Wood/Plastics	WOOD, PLASTICS & COMPOSITES Div. TOTAL															176,021.21

Report: REVISÉ DECEMBER 7, 2017		Status: Concept / Schematic Design	Prep by: ja/mvd	Date [subm]: December 7, 2017	STAT BOX	Verify w designer									
Project: City of Harrisonburg - New High School	Client: Grimm & Parker	Owner/Dept: HPS	Chckd by: bd/sm	Date [Revised]	Acres buildable	45.00									
Location: Harrisonburg, Virginia	Owner/Entity: City of Harrisonburg	D&S Job no.: 112017	LAN ref:	platform rev. 2017											
Add Ref: Drawings Dated 11/20/2017				©Downey & Scott 2017	Slab on Grade	122649.00									
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					TOTAL New Add GSF	187955.00									
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D1	D2	D3	D4	Q1	U1	Assem UC	Raw Unit Cost	Raw Extension	Raw Unit Cost	Raw Extension	Total Unit	Raw Unit Cost	Total Unit Cost	Raw Extension	Loaded Extension
Description				Quantity US	UM	to GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+Taxes & Brdn

DOORS AND WINDOWS

Interior Doors and Frames

Single type frame, slab, and hardware	SGL	198.00	EA				1,627.84						322,312.02		
Double type frame, slab, and hardware	DBL	42.00	EA				2,784.92						116,966.60		
Note: sidelight glass must be added below															
Exterior Doors and Frames															
Single type frame, slab, and hardware	SGL	7.00	EA				2,055.99						14,391.95		
Double type frame, slab, and hardware	DBL	20.00	EA				3,367.07						67,341.43		
Door glazing 8'x 30"	allowance	115.00	EA				58.65						6,744.96		
Specialty Doors															
OH, colling 20 ga steel 8w x 8h electric		5.00	EA				3,388.23						16,941.15		

Storefront anod alum

Interior Storefront anod alum 1/4" tempered Interior		9,920.00	SF				40.81						404,835.47		
Door, storefr baseline an al incl hw	allowance	28.00	EA				1,981.20						55,473.65		
Exterior Storefront windows alum 1" insul temp		11,792.00	SF				58.29						687,310.16		

Curtainwall

Exterior curtainwall system 1" insul temp		4,900.00	SF				93.22						456,783.96		
Exterior curtainwall system with insulated metal panels		2,272.00	SF				97.97						222,578.37		
Door, storefr baseline an al incl hw		17.00	EA				2,237.20						38,032.40		
Door, storefr heavier stile an al incl hw net prem add		17.00	EA				172.55						2,933.30		
Closer, door concealed overhead net prem add		17.00	EA				410.02						6,970.37		
Opener, door auto push button		8.00	EA				509.79						4,078.32		
Aluminum sun shades		642.00	SF				143.70						92,255.32		

Subtotal

Sales taxes	6.00% for material and equipment
Payroll brdn	42.00% labor burden

SC MU OH & P on self performed work

DOORS AND WINDOWS WORK Div. TOTAL 2,515,949.42

Report:	REVISÉ DECEMBER 7, 2017	Status:	Concept / Schematic Design	Prep by:	ja/mvd	Date [subm]:	December 7, 2017	STAT BOX	Verify w designer							
Project:	Concept Design Cost Estimate	Client:	Grimm & Parker	Chckd by:	bd/sm	Date [Revised]		Acres buildable	45.00							
Location:	City of Harrisonburg - New High School	Owner/Dept:	HPS	D&S Job no.:	112017	platform rev. 2017										
Addl Ref:	Harrisonburg, Virginia Drawings Dated 11/20/2017	Owner/Entity:	City of Harrisonburg	LAN ref:				Slab on Grade	122649.00							
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								TOTAL New Add GSF	187955.00							
								TOTAL Comb. GSF	187955.00							
Description	D1	D2	D3	D4	Q1	U1	Assem UC	Raw Unit Cost	Raw Extension	Raw Unit Cost	Raw Extension	Total Unit	Raw Unit Cost	Total Unit Cost	Raw Extension	Loaded Extension
					Quantity US	UM	to GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+Taxes & Brdn

FINISHES	FINISHES	Subcontracted														
FINISHES	GWB	partitions														
FINISHES	2 Sided 6" Partitions		Wall Height	14.00	1,995.00	Total LF Of Wall										
FINISHES		Track	6" 25 ga		4,189.50	LF		2.52						10,562.91		
FINISHES		Stud	6" 25 ga		18,060.00	LF		2.53						45,645.51		
FINISHES		Stud	6" 20 ga		840.00	LF		2.83						2,380.23		
FINISHES		Stud	6" 16 ga		2,100.00	LF		5.03						10,572.93		
FINISHES		Sound Batt	3"		27,930.00	SF		0.55						15,342.22		
FINISHES		GWB	5/8"		59,770.20	SF					See Gypsum Wall Board On Wall Systems Below For Cost					
FINISHES		Sealant	1/4" bead		3,990.00	LF		0.20						796.59		
FINISHES	2 Sided 6" Partitions		Wall Height	14.00	334.00	Total LF Of Wall										
FINISHES		Track	6" 25 ga		701.40	LF		2.52						1,768.43		
FINISHES		Stud	6" 25 ga		3,023.58	LF		2.53						7,641.90		
FINISHES		Stud	6" 20 ga		140.63	LF		2.83						398.49		
FINISHES		Stud	6" 16 ga		351.58	LF		5.03						1,770.10		
FINISHES		Sound Batt	3"		4,676.00	SF		0.55						2,568.57		
FINISHES		GWB XXX	5/8" (rated)		10,006.64	SF					See Gypsum Wall Board On Wall Systems Below For Cost					
FINISHES		Sealant	1/4" bead		668.00	LF		0.20						133.36		
FINISHES	1 Sided 6" Partitions		Wall Height	14.00	1,339.00	Total LF Of Wall										
FINISHES		Track	6" 25 ga		2,811.90	LF		2.52						7,089.59		
FINISHES		Stud	6" 25 ga		12,121.47	LF		2.53						30,636.26		
FINISHES		Stud	6" 20 ga		563.79	LF		2.83						1,597.55		
FINISHES		Stud	6" 16 ga		1,409.47	LF		5.03						7,096.31		
FINISHES		Sound Batt	3"		18,746.00	SF		0.55						10,297.36		
FINISHES		GWB	5/8"		20,058.22	SF					See Gypsum Wall Board On Wall Systems Below For Cost					
FINISHES		Sealant	1/4" bead		2,678.00	LF		0.20						534.65		
FINISHES	Gypsum Wall Board On Wall Systems															
FINISHES		GWB on Studs/Furring	5/8" (abuse)		89,473.41	SF		3.09						276,082.71		
FINISHES		GWB on Studs/Furring	GWB Fire Rated	5/8" (X)	10,006.64	SF		1.65						16,475.54		
FINISHES		GWB on Studs/Furring	Cement Bd	5/8" (reg)	20,517.00	SF		2.20						45,198.80		
FINISHES	GWB ceilings															
FINISHES		GWB ceiling incl susp interior	allowance		5,638.65	SF		4.34						24,454.44		
FINISHES		GWB bulkhead inc frame mtl	allowance		5,262.74	SF		4.85						25,499.66		
FINISHES	Ceramic and Porcelain Tile															
FINISHES		Ceramic floor thin set			8,065.00	SF		11.09						89,435.14		
FINISHES		Ceramic wall toilet rooms			17,493.00	SF		11.30						197,654.98		
FINISHES		Ceramic wall kitchen			3,024.00	SF		11.30						34,168.45		
FINISHES		Ceramic base thin set			1,715.00	LF		12.58						21,581.28		
FINISHES	Quarry Tile															
FINISHES		Quarry tile floor	allowance		4,528.00	SF		10.07						45,591.06		
FINISHES		Quarry tile base			378.00	LF		11.16						4,220.15		

REVISID DECEMBER 7, 2017										STAT BOX		Verify w designer		
Report:	Concept Design Cost Estimate			Status:	Concept / Schematic Design			Prep by:	ja/mvd	Date [subm]:	December 7, 2017		Acres buildable	45.00
Project:	City of Harrisonburg - New High School			Client:	Grimm & Parker			Chckd by:	bd/sm	Date [Revised]				
Location:	Harrisonburg, Virginia			Owner/Dept:	HPS			D&S Job no.:	112017	platform rev. 2017			Slab on Grade	122649.00
Addl Ref:	Drawings Dated 11/20/2017			Owner/Entity:	City of Harrisonburg			LAN ref:					Slab on Deck	65306.00
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													TOTAL Comb. GSF	187955.00

D1	D2	D3	D4	Q1	U1	Assem UC to GC [US]	Raw Unit Cost	Raw Extension	Raw Unit Cost	Raw Extension	Total Unit	Raw Unit Cost	Total Unit Cost	Raw Extension	Loaded Extension
Description				Quantity US	UM		Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+Taxes & Brdn

Finishes	Auditorium														
Finishes	Acoustical cloud ceilings			1.00	LS						97,923.67		97,923.67		
Finishes	Acoustical treatment above clouds		allowance	5,197.50	SF						3.19		16,559.36		
Finishes	Carpet tile		5,600.00	622.22	SY						42.13		26,215.56		
Finishes	Stage Floor			4,465.00	SF						11.95		53,371.16		
Finishes	Interior auditorium accoustical wall treatment allowance			10,850.00	GSF						2.10		22,785.00		
Finishes	Corridor Upgrade Premium														
Finishes	Upgraded flooring			19,775.00	SF						15.77		311,917.48		
Finishes	Ceiling sys acoustic														
Finishes	Acoustical Ceiling		allowance	103,375.25	SF						3.19		329,356.07		
Finishes	Ceiling panels														
Finishes	Wood ceiling			1,200.00	SF						41.45		49,738.46		
Finishes	Wall panels acoustical														
Finishes	Acoustic panels		allowance	2,500.00	SF						16.55		41,381.83		
Finishes	Tectum - music rooms		allowance	2,064.00	SF						9.98		20,596.80		
Finishes	Vinyl/rubber														
Finishes	Resilient vinyl comp tile (VCT) flooring			120,782.00	SF						3.06		369,665.91		
Finishes	Vinyl base 4" base			24,156.40	LF						1.94		46,775.21		
Finishes	Rubber stair treads flooring			800.00	LF						12.89		10,308.39		
Finishes	Rubber landings flooring			1,324.00	SF						6.07		8,041.52		
Finishes	Carpet														
Finishes	Carpet tile		Total SF	19,047.00	SY						42.13		89,165.66		
Finishes	Floor mats			2,116.33	SY										Ref to Div 12
Finishes	Specialty Flooring														
Finishes	Gym Floor	E100		12,070.00	SF						11.95		144,275.46		
Finishes	Fitness room floor	E122 & C101		3,688.00	SF						11.95		44,083.50		
Finishes	Painting														
Finishes	Interior														
Finishes	Interior assembled unit cost building Int			187,955.00	GSF						2.10		394,705.50		
Finishes	Dr & frm incl caulking			329.00	EA						54.04		17,779.73		
Finishes	Exterior Blackboard feature														
Finishes			allowance	360.00	SF						18.80		6,766.43		
Finishes	Subtotal														
Finishes	Sales taxes		6.00% for material and equipment												
Finishes	Payroll_brdn		42.00% labor burden												
Finishes	SC MU OH & P on self performed work														
Finishes													3,038,607.91		
Finishes	GWB PARTITIONS AND FINISHES WORK Div. TOTAL														

Report: REVISED DECEMBER 7, 2017		Status: Concept / Schematic Design		Prep by: ja/mvd		Date [subm]: December 7, 2017		STAT BOX		Verify w designer																																	
Project: Concept Design Cost Estimate		Client: Grimm & Parker		Chckd by: bd/sm		Date [Revised]		Acres buildable		45.00																																	
Location: City of Harrisonburg - New High School		Owner/Dept: HPS		D&S Job no.: 112017		platform rev. 2017		Slab on Grade		122649.00																																	
Addr Ref: Harrisonburg, Virginia		Owner/Entity: City of Harrisonburg						Slab on Deck		65306.00																																	
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D1	D2	D3	D4	Q1	U1	Assem UC to GC [US]	Raw Unit Cost	Raw Extension	Raw Unit Cost	Raw Extension	Total Unit	Raw Unit Cost	Total Unit Cost	Raw Extension	Loaded Extension
Description				Quantity US	UM		Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+Taxes & Brdn
SPECIALTIES	SPECIALTIES														
	Subcontracted														
	Toilet accessories	allowances													
Specialties	Grab bars 18"			41.00	EA						62.41		2,558.77		
Specialties	Grab bars 36"			41.00	EA						85.06		3,487.39		
Specialties	Grab bars 42"			41.00	EA						96.38		3,951.70		
Specialties	Grab bars 18"x 30"			1.00	EA						78.47		78.47		
Specialties	Soap dispen surf mntd			70.00	EA						56.90		3,982.80		
Specialties	TP dispen dbl roll			120.00	EA						55.94		6,712.90		
Specialties	PT dispen waste recept semi Recessed			64.00	EA						328.24		21,007.50		
Specialties	Disposal fem napkin			56.00	EA						46.24		2,589.36		
Specialties	Holder 36" mop/broom			11.00	EA						138.17		1,519.85		
Specialties	Shower seat handicap type			2.00	EA						534.78		1,069.55		
Specialties	Curtain/rod at shower			7.00	EA						79.57		556.99		
Specialties	Mirrors	allowances													
Specialties	Stainless stl 16"x30"			19.00	EA						213.61		4,058.55		
Specialties	Float glass, 1/4"		allowance	1,478.50	SF						11.88		17,562.59		
Specialties	Media accessories	allowances	Total LF												
Specialties	White Board														
Specialties	Whiteboards	Based on typical High School		187,955.00	GSF						0.50		94,420.26		
Specialties	Tackboards	Based on typical High School		187,955.00	GSF						0.49		91,916.12		
Specialties	Fire Extinguishers Cabinets														
Specialties	Cabinet fire ext stainless stl 10# 9"deep		allowance	31.00	EA						228.92		7,096.54		
Specialties	Extinguisher 10# ABC for cabinet		allowance	31.00	EA						58.03		1,799.03		
Specialties	Fire Blankets														
Specialties	Fire Blanket	w/case	allowance	12.00	EA						204.00		2,447.99		
Specialties	Signage graphics														
Specialties	Interior Door/Hall mntd Signage		allowance	329.00	EA						51.75		17,025.94		
Specialties	Building Signage		allowance	1.00	LS						22,000.18		22,000.18		
Specialties	Miscellaneous	allowances													
Specialties	Gym Lockers			620.00	EA						312.09		193,492.83		
Specialties	Hall Lockers			1,100.00	EA						252.13		277,344.52		
Specialties	Lockers Fac			20.00	EA						273.45		5,468.97		
Specialties	Wood locker room benches	hardwood		228.00	LF						25.49		5,811.13		
Specialties	Pedestals for above benches			114.00	EA						66.03		7,527.10		
Specialties	Partitions	toilet													
Specialties	Partitions floor mntd standard			38.00	EA						1,018.14		38,689.23		
Specialties	Partitions floor mntd ADA			40.00	EA						1,513.76		60,550.24		
Specialties	Urinal scrns			6.00	EA						390.44		2,342.64		
Specialties	Partitions head rail bracing			78.00	EA						84.12		6,561.05		

Report:	REVISED DECEMBER 7, 2017	Status:	Concept / Schematic Design	Prep by:	ja/mvd	Date [subm]:	December 7, 2017	STAT BOX	Verify w designer
Project:	Concept Design Cost Estimate	Client:	Grimm & Parker	Chckd by:	bd/sm	Date [Revised]		Acres buildable	45.00
Location:	City of Harrisonburg - New High School	Owner/Dept:	HPS	D&S Job no.:	112017	platform rev.	2017	Slab on Grade	122649.00
Addr Ref:	Harrisonburg, Virginia	Owner/Entity:	City of Harrisonburg	LAN ref:				Slab on Deck	65306.00
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								TOTAL Comb. GSF	187955.00

Description	D1	D2	D3	D4	Q1	U1	Assem UC to GC [US]	Raw Unit Cost Material	Raw Extension Material	Raw Unit Cost Labor	Raw Extension Labor	Total Unit Cost Loaded	Raw Unit Cost Equipment	Total Unit Cost Extension	Raw Extension Equipment	Loaded Extension + Taxes & Brdn	
Specialties	Folding Partitions																
Specialties				allowance	2,091.00	SF						63.25				132,257.11	
Specialties	Metal Shelving																
Specialties				allowance	200.00	LF						84.93				16,985.51	
Specialties	Subtotal																
Specialties	Sales taxes		6.00% for material and equipment														
Specialties	Payroll_brnd		42.00% labor burden														
Specialties	SC MU	OH & P	on self performed work														
Specialties	SPECIALTIES WORK Div. TOTAL														1,052,872.80		
Equipment	EQUIPMENT Subcontracted																
Equipment	Appliances residential																
Equipment				FF&E	0.00	EA											
Equipment				FF&E	0.00	EA											
Equipment				FF&E	0.00	EA											
Equipment		Commercial		FF&E	0.00	EA											
Equipment		Commercial		FF&E	0.00	EA											
Equipment				FF&E	0.00	EA											
Equipment				FF&E	0.00	EA											
Equipment	Equipment Kitchen																
Equipment		allowance			1.00	LS						631,950.68				631,950.68	
Equipment	AV Equipment and Special Accessories																
Equipment				FF&E												By Owner	
Equipment	Projection Screens																
Equipment				FF&E												By Owner	
Equipment	Theater Equipment (rigging, curtains, draperies, lighting & controls)																
Equipment				quote on systems	1.00	LS						1,628,050.17				1,628,050.17	
Equipment	Seating Auditorium																
Equipment					600.00	EA						352.66				211,594.99	
Equipment	Athletic equip																
Equipment					6.00	EA						2,866.90				17,201.39	
Equipment					2.00	EA						4,045.79				8,091.57	
Equipment					1,710.00	SF						12.99				22,204.67	
Equipment					2.00	SETS						363.33				726.65	
Equipment					2.00	SETS						410.60				821.20	
Equipment					1,806.00	SF						12.25				22,130.80	
Equipment					1.00	EA						1,196.44				1,196.44	
Equipment				FF&E	0.00	SF						9.06				0.00	
Equipment	Subtotal																
Equipment	Sales taxes		6.00% for material and equipment														
Equipment	Payroll_brnd		42.00% labor burden														
Equipment	SC MU	OH & P	on self performed work														
Equipment	EQUIPMENT WORK Div. TOTAL														2,543,968.57		

REVISID DECEMBER 7, 2017													STAT BOX		Verify w designer	
Report:	Concept Design Cost Estimate			Status:	Concept / Schematic Design			Prep by:	ja/mvd	Date [subm]:	December 7, 2017		Acres buildable	45.00		
Project:	City of Harrisonburg - New High School			Client:	Grimm & Parker			Chckd by:	bd/sm	Date [Revised]						
Location:	Harrisonburg, Virginia			Owner/Dept:	HPS			D&S Job no.:	112017	platform rev. 2017			Slab on Grade	122649.00		
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	D1	D2	D3	D4	Q1	U1	Assem UC	Raw Unit Cost	Raw Extension	Raw Unit Cost	Raw Extension	Total Unit	Raw Unit Cost	Total Unit Cost	Raw Extension	Loaded Extension
Description					Quantity US	UM	to GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+Taxes & Brdn

Furnishings	FURNISHINGS	GC Self Performed														
Furnishings	Blinds															
Furnishings	Horizontal	window SF	manual	11,792.00	SF							7.60			89,591.12	
Furnishings	Privacy curtains															
Furnishings	Curtains w/track		allowance	1,100.00	SF							4.65			5,112.27	
Furnishings	Floor mats															
Furnishings	Floor mats	w/ frames	allowance	1,295.00	SF							17.44			22,580.13	
Furnishings	Casework															
Furnishings	General Casework			187,955.00	GSF							2.31			433,637.88	
Furnishings	Science casework			1.00	LS							204,300.98			204,300.98	
Furnishings	Classroom casework			1.00	LS							169,080.07			169,080.07	
Furnishings	Misc casework			1.00	LS							56,373.17			56,373.17	
Furnishings	Tech casework			1.00	LS							90,185.24			90,185.24	
Furnishings	Library casework			1.00	LS							119,770.80			119,770.80	
Furnishings	Seating	Gym														
Furnishings	Bleachers, hydraulic operated, per SF			2,930.00	SF							49.18			144,108.51	
Furnishings	Subtotal															
Furnishings	Sales taxes	6.00% for material and equipment														
Furnishings	Payroll brdn	42.00% labor burden														
Furnishings	SC MU	OH & P	on self performed work													
Furnishings	FURNISHINGS WORK Div. TOTAL															1,334,740.15

Report: REVISÉ DECEMBER 7, 2017 Project: Concept Design Cost Estimate Location: City of Harrisonburg - New High School Addl Ref: Harrisonburg, Virginia Drawings Dated 11/20/2017												Status: Concept / Schematic Design Client: Grimm & Parker Owner/Dept: HPS Owner/Entity: City of Harrisonburg		Prep by: ja/mvd Chckd by: bd/sm D&S Job no.: 112017 LAN ref:		Date [subm]: December 7, 2017 Date [Revised]		platform rev. 2017 ©Downey & Scott 2017				STAT BOX Acres buildable 45.00 Slab on Grade 122649.00 Slab on Deck 65306.00 TOTAL New Add GSF 187955.00 TOTAL Comb. GSF 187955.00																									
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Spec. Const. **SPECIAL CONSTRUCTION**
 Spec. Const.
 Spec. Const.
 Spec. Const. **Subtotal**
 Spec. Const. **Sales taxes** 6.00% for material and equipment
 Spec. Const. **Payroll brdn** 42.00% labor burden
 Spec. Const.
 Spec. Const. **SC MU OH & P on self performed work**
 Spec. Const. **SPECIAL CONSTRUCTION WORK Div. TOTAL** 0.00
 Spec. Const.

Conveyance **CONVEYING SYSTEMS**
 Conveyance
 Conveyance Hydraulic Elevator (baseline) inc. 3 stops std cab finish 1.00 EA 124,680.18 124,680.18
 Conveyance Wheel chair lift 1.00 EA 15,240.92 15,240.92
 Conveyance
 Conveyance **Subtotal**
 Conveyance **Sales taxes** 6.00% for material and equipment
 Conveyance **Payroll brdn** 50.00% labor burden
 Conveyance
 Conveyance **SC MU OH & P on self performed work**
 Conveyance **CONVEYANCE WORK Div. TOTAL** 139,921.11
 Conveyance

Report: REVISED DECEMBER 7, 2017		Status: Concept / Schematic Design		Prep by: ja/mvd		Date [subm]: December 7, 2017		STAT BOX		Verify w designer																																	
Project: Concept Design Cost Estimate		Client: Grimm & Parker		Chckd by: bd/sm		Date [Revised]		Acres buildable		45.00																																	
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D1	D2	D3	D4	Q1	U1	Assem UC	Raw Unit Cost	Raw Extension	Raw Unit Cost	Raw Extension	Total Unit	Raw Unit Cost	Total Unit Cost	Raw Extension	Loaded Extension																												
Description				Quantity US	UM	to GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+Taxes & Brdn																												

Fire Protection

Fire Protection

Data: Sprinklered area: 187,955.00 GSF
heads [sprinklered area / SF per hd] 1,790

Wet pipe Sprinkler Sys

Pipe blk stl.sch 10 -6"	2,076	LF									29.70				61,659.19
Fittings grooved-joint -6"	138	EA									114.03				15,781.70
Couplings grooved-joint -6"	381	EA									95.89				36,496.94
Pipe blk stl.sch 10 -4"	3,801	LF									23.12				87,890.17
Fittings grooved-joint -4"	253	EA									91.15				23,096.50
Couplings grooved-joint -4"	697	EA									30.85				21,494.79
Thread-o-let 4"x 2"	298	EA									32.84				9,798.89
Thread-o-let 4"x 1"	358	EA									28.97				10,372.56
Pipe blk stl sch 40 -1-1/4"thru 2"	10,069	LF									10.10				101,682.96
Pipe blk stl sch 40 -1"	14,320	LF									7.02				100,459.32
Fittings threaded CI 1-1/4"thru 2"	2,088	EA									27.98				58,441.88
Fittings threaded CI 1"	3,580	EA									11.85				42,421.78

Piping specialties and valves

Valves butterfly -4"	12	EA									633.96				7,607.55
Heads sprinkler	1,790	EA									32.11				57,486.43
Heads sprinkler Freeze proof type	0	EA									245.63				0.00
Hd guards sprinkler	448	EA									7.89				3,532.75
Backflow Preventer	1	EA									5,465.57				5,465.57
Fire Department Connection	1	EA									1,117.91				1,117.91
Alarm check valve	2	EA									678.39				1,356.78
Check w/auto ball drip -4"	4	EA									311.94				1,247.77
Test header	4	EA									709.46				2,837.86
Inspectors test station	1	EA									654.67				654.67
Tamper switch	14	EA									126.95				1,777.25
Flow switch	14	EA									143.43				2,008.01
Pipe riser valve assm OS&Y valve & siamese	9	EA									1,290.97				11,618.72

Specialties

Ansul Hood Supression																
Fire Pump											Refer to Div 11 Excluded					
Coordination Drawings/Permit Drawings	187,955	EA									0.35				65,967.66	

Subtotal

Sales taxes	6.00%	for material and equipment
Payroll_brdn	42.00%	labor burden

SC MU OH & P on self performed work

FIRE SPRINKLER WORK Div. TOTAL																732,275.63
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Report:	REVISED DECEMBER 7, 2017 Concept Design Cost Estimate	Status:	Concept / Schematic Design	Prep by:	ja/mvd	Date [subm]:	December 7, 2017	STAT BOX	Verify w designer							
Project:	City of Harrisonburg - New High School	Client:	Grimm & Parker	Chckd by:	bd/sm	Date [Revised]		Acres buildable	45.00							
Location:	Harrisonburg, Virginia	Owner/Dept:	HPS	D&S Job no.:	112017	platform rev. 2017										
Addl Ref:	Drawings Dated 11/20/2017	Owner/Entity:	City of Harrisonburg	LAN ref:				Slab on Grade	122649.00							
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								TOTAL New Add GSF	187955.00							
								TOTAL Comb. GSF	187955.00							
	D1	D2	D3	D4	Q1	U1	Assem UC	Raw Unit Cost	Raw Extension	Raw Unit Cost	Raw Extension	Total Unit	Raw Unit Cost	Total Unit Cost	Raw Extension	Loaded Extension
Description					Quantity US	UM	to GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+ Taxes & Brdn

Plumbing	PLUMBING	Section															
Plumbing																	
Plumbing	Plumbing Equipment																
Plumbing	Plumbing Equipment/Fixtures				187,955.00	GSF						2.32		436,865.32			
Plumbing																	
Plumbing	Piping gas																
Plumbing	Plumbing Gas System				187,955.00	GSF						0.42		79,033.24			
Plumbing	Lab piping				187,955.00	GSF						0.31		59,056.26			
Plumbing																	
Plumbing	Water supply																
Plumbing	Plumbing Dom Water System				187,955.00	GSF						3.36		630,593.58			
Plumbing																	
Plumbing	DWV																
Plumbing	Plumbing Drain Waste And Vents System				187,955.00	GSF						1.99		373,758.02			
Plumbing																	
Plumbing	Interior Storm Roof Piping																
Plumbing	Interior Storm Roof Drainage System				187,955.00	GSF						0.72		135,275.03			
Plumbing																	
Plumbing	Insulation																
Plumbing		Note: Qtys inc. waste and ext qtys for fittings															
Plumbing	Plumbing Insulation Sys				187,955.00	GSF						1.37		257,849.25			
Plumbing																	
Plumbing	Coordinated Drawings																
Plumbing					187,955.00	GSF						0.27		50,527.51			
Plumbing																	
Plumbing																	
Plumbing	Subtotal																
Plumbing	Sales taxes	6.00%															
Plumbing	Payroll brdn	42.00%															
Plumbing																	
Plumbing	SC MU OH & P on self performed work																
Plumbing	PLUMBING WORK Div. TOTAL													2,022,958.21			

Report:	REVISÉ DECEMBER 7, 2017	Status:	Concept / Schematic Design	Prep by:	ja/mvd	Date [subm]:	December 7, 2017	STAT BOX	Verify w designer
Project:	Concept Design Cost Estimate	Client:	Grimm & Parker	Chckd by:	bd/sm	Date [Revised]		Acres buildable	45.00
Location:	City of Harrisonburg - New High School	Owner/Dept:	HPS	D&S Job no.:	112017	platform rev.	2017		
Addl Ref:	Harrisonburg, Virginia	Owner/Entity:	City of Harrisonburg	LAN ref:				Slab on Grade	122649.00
	Drawings Dated 11/20/2017							Slab on Deck	65306.00
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								TOTAL Comb. GSF	187955.00

D1	D2	D3	D4	Q1	U1	Assem UC	Raw Unit Cost	Raw Extension	Raw Unit Cost	Raw Extension	Total Unit	Raw Unit Cost	Total Unit Cost	Raw Extension	Loaded Extension
Description				Quantity US	UM	to GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+ Taxes & Brdn

Mechanical	MECHANICAL														
Mechanical	Equipment														
Mechanical	HVAC Equipment			187,955.00	GSF						13.23		2,487,197.34		
Mechanical	Piping & Valves														
Mechanical	Piping & Valves			187,955.00	GSF						5.85		1,099,421.38		
Mechanical	Coordinated Drawings														
Mechanical				187,955.00	GSF						0.24		44,533.52		
Mechanical	2ND TIER SUBCONTRACTORS														
Mechanical	SHEET METAL CONTRACTOR														
Mechanical	Ductwork														
Mechanical	HVAC Ductwork and Acc.			187,955.00	GSF						7.11		1,336,005.73		
Mechanical	Air Outlets														
Mechanical	HVAC R&G			187,955.00	GSF						0.62		116,900.50		
Mechanical	Ductwork Accessories														
Mechanical	HVAC ductwork Accessories			187,955.00	GSF						0.70		130,817.23		
Mechanical	MECHANICAL / INSULATION CONTRACTOR														
Mechanical	Insulation														
Mechanical	HVAC Insul system			187,955.00	GSF						2.04		384,101.65		
Mechanical	Temperature Controls														
Mechanical	Temperature Controls			187,955.00	GSF						4.72		886,973.86		
Mechanical	Systems Testing and Balancing														
Mechanical	HVAC Test & Balance system			187,955.00	GSF						0.37		69,583.63		
Mechanical	Testing & General Operating And Demonstrations														
Mechanical	Test and Demonstrate Operation/Commissioning Assist			1.00	EA						61,788.77		61,788.77		
Mechanical	Extended Warranty's														
Mechanical	Equipment, General workmanship, materials			1.00	EA						39,997.03		39,997.03		
Mechanical	Subtotal														
Mechanical	Sales taxes		6.00%	for material and equipment											
Mechanical	Payroll brdn		42.00%	labor burden											
Mechanical	SC MU OH & P on self performed work														
Mechanical	HVAC WORK Div. TOTAL												6,657,320.65		

REVISÉ DECEMBER 7, 2017											STAT BOX		Verify w designer						
Report: Concept Design Cost Estimate		Status: Concept / Schematic Design		Prep by: ja/mvd		Date [subm]: December 7, 2017		Acres buildable				45.00							
Project: City of Harrisonburg - New High School		Client: Grimm & Parker		Chckd by: bd/sm		Date [Revised]													
Location: Harrisonburg, Virginia		Owner/Dept: HPS		D&S Job no.: 112017		platform rev. 2017						Slab on Grade 122649.00							
Addl Ref: Drawings Dated 11/20/2017		Owner/Entity: City of Harrisonburg		LAN ref:								Slab on Deck 65306.00							
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													TOTAL Comb. GSF		187955.00				
D1		D2		D3		D4		Q1	U1	Assem UC	Raw Unit Cost	Raw Extension	Raw Unit Cost	Raw Extension	Total Unit	Raw Unit Cost	Total Unit Cost	Raw Extension	Loaded Extension
Description		Quantity	US	UM	to GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+ Taxes & Brdn					

Electrical	Lighting Home Runs																		
Electrical	Lighting Home Runs		187,955.00	SF						1.27				237,947.30					
Electrical	Lighting Branch																		
Electrical	Lighting Branch		187,955.00	SF						1.07				201,915.86					
Electrical	Lighting Home Run and Branch Boxes																		
Electrical	Lighting Home Run/Branch boxes		187,955.00	SF						0.09				17,092.04					
Electrical	Coordinated Drawings																		
Electrical	Coordinated Drawings		187,955.00	GSF						0.26				48,881.25					
Electrical	Subtotal																		
Electrical	Sales taxes														6.00%	for material and equipment			
Electrical	Payroll brdn														42.00%	labor burden			
Electrical	SC MU OH & P on self performed work																		
Electrical	ELECTRICAL SYSTEMS WORK Div. TOTAL														3,725,819.27				

Report: REVISED DECEMBER 7, 2017 Concept Design Cost Estimate		Status: Concept / Schematic Design		Prep by: ja/mvd		Date [subm]: December 7, 2017		STAT BOX		Verify w designer																					
Project: City of Harrisonburg - New High School		Client: Grimm & Parker		Chckd by: bd/sm		Date [Revised]		Acres buildable		45.00																					
Location: Harrisonburg, Virginia		Owner/Dept: HPS		D&S Job no.: 112017		platform rev. 2017																									
Addl Ref: Drawings Dated 11/20/2017		Owner/Entity: City of Harrisonburg		LAN ref:				Slab on Grade		122649.00																					
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								TOTAL New Add GSF		187955.00																					
								TOTAL Comb. GSF		187955.00																					
D1		D2		D3		D4		Q1		U1		Assem UC		Raw Unit Cost		Raw Extension		Raw Unit Cost		Raw Extension		Total Unit		Raw Unit Cost		Total Unit Cost		Raw Extension		Loaded Extension	
Description								Quantity US		UM		to GC [US]		Material		Material		Labor		Labor		Cost Loaded		Equipment		Extension		Equipment		+ Taxes & Brdn	

Com Sys		COMMUNICATIONS SYSTEMS WORK																											
Com Sys																													
Com Sys		Clock & Program Systems				187,955.00		GSF												0.41						76,886.82			
Com Sys																													
Com Sys		Voice & Data Systems																											
Com Sys		Telephone system																											
Com Sys																													
Com Sys		P.A. & Music System																											
Com Sys																													
Com Sys		T.V. /CCTV System																											
Com Sys																													
Com Sys		Subtotal																											
Com Sys		Sales taxes																											
Com Sys		Payroll_brnd																											
Com Sys																													
Com Sys		SC MU OH & P on self performed work																											
Com Sys		COMMUNICATIONS SYSTEMS WORK Div. TOTAL																											

Electronics		ELECTRONIC SAFETY & SECURITY SYSTEMS																											
Electronics																													
Electronics		Security																											
Electronics																													
Electronics		Security Systems		access control		SF Method		187,955.00		SF																			
Electronics																													
Electronics		Fire alarm system																											
Electronics																													
Electronics		Subtotal																											
Electronics		Sales taxes																											
Electronics		Payroll_brnd																											
Electronics																													
Electronics		SC MU OH & P on self performed work																											
Electronics		ELECTRONIC SAFETY & SECURITY SYSTEMS WORK Div. TOTAL																											

Report: REVISED DECEMBER 7, 2017										STAT BOX		Verify w designer	
Project: Concept Design Cost Estimate										Acres buildable		45.00	
Location: City of Harrisonburg - New High School													
Addl Ref: Harrisonburg, Virginia													
Status: Concept / Schematic Design													
Client: Grimm & Parker													
Owner/Dept: HPS													
Owner/Entity: City of Harrisonburg													
Prep by: ja/mvd										Date [subm]: December 7, 2017			
Chckd by: bd/sm										Date [Revised]			
D&S Job no.: 112017										platform rev. 2017		©Downey & Scott 2017	
LAN ref:													
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										TOTAL Comb. GSF		187955.00	
										Raw Unit Cost		Raw Extension	
										Equipment		Extension	
										Cost Loaded		Equipment	
										Extension		+Taxes & Brdn	

Earth Work **EARTHWORK DIVISION**

Earth Work

Erosion and Sediment Controls Allowances

Description	D1	D2	D3	D4	Q1	U1	Assem UC	Raw Unit Cost	Raw Extension	Raw Unit Cost	Raw Extension	Total Unit	Raw Unit Cost	Total Unit Cost	Raw Extension	Loaded Extension
					Quantity	US	to GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+Taxes & Brdn
Dust control					1	LS						10,398.04		10,398.04		
Silt fence					3,100	LF						3.23		10,018.33		
Super silt fence					4,500	LF						5.77		25,973.52		
Diversion dike					1,200	LF						5.91		7,086.81		
Check dam					12	EA						147.64		1,771.70		
Inlet/outlet protection					32	EA						84.04		2,689.38		
Orange protection fence					520	LF						3.97		2,063.04		
Gravel construction entrance/construction road					200.00	TNS						37.14		7,428.59		
Wash rack					2	EA						882.46		1,764.93		
Temporary seeding					72,222	SY						0.36		26,266.00		
Silt trap/sediment basin excavation					2,000	CY						6.91		13,810.25		
Rip rap					400	TNS						46.75		18,701.36		
CMP outfall pipe 15"					120	LF						39.20		4,704.56		
CMP outfall pipe 18"					60	LF						44.42		2,665.13		
Trash rack/outlet structure					3	EA						1,663.17		4,989.51		
Maintenance of E&S measures					1	LS						28,066.23		28,066.23		

Earth Work **Wetlands Remediation/repair**

Earth Work

Excluded

Foundation Drainage

Drainage foundation gravel/filter cloth					2,030	LF						11.12		22,578.65		
Daylight at suitable outfall pipe only					508	LF						8.62		4,375.90		

Earth Work **Dewatering**

6" Centrifugal pump, attended 8 hrs					60	DAY						987.32		59,239.03		
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Earth Work **Soil Testing**

Earth Work Compaction See Div 1

Earth Work Moisture See Div 1

Earth Work CBR See Div 1

Earth Work **Site Clearing**

Clear and grub					35.40	ACRE						2,382.44		84,338.50		
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Earth Work **Topsoil**

Topsoil strip and stockpile onsite					6" strip	28,840	CY					2.90		83,703.64		
Topsoil respread/fine grade onsite					6" depth	10,140	CY					5.54		56,172.79		
Soil for planters						200	CY					59.49		11,897.16		

Building pad fine grade			SF	116,554		12,950	SY					2.44		31,612.36		
Athletic field fine grade			SF	146,850		16,317	SY					2.44		39,829.39		

Earth Work **Cut/Fill** All Cut/Fill assumptions are based balanced earthwork

Cut directly to fill, assumes suitable soils will be found onsite						53,600	CY					5.33		285,433.11		
---	--	--	--	--	--	--------	----	--	--	--	--	------	--	------------	--	--

Earth Work **Import fill** Excluded - assumed that onsite soils, onsite topsoil will provide for areas of fill

Place excess topsoil as non-structural fill at adjacent lot						18,700	CY					5.54		103,592.81		
---	--	--	--	--	--	--------	----	--	--	--	--	------	--	------------	--	--

Earth Work **Undercut and Replace with Suitable Soils**

Earth Work Undercut and haul - cut, load, haul, dispose Excluded - assumed that onsite soils, onsite topsoil will provide for areas of fill

Earth Work Import fill - purchase, import, place, compact Excluded - assumed that onsite soils, onsite topsoil will provide for areas of fill

Earth Work **Grading and Shaping**

Rough grading entire disturbed area			SF	1,530,800		170,089	SY					1.27		216,825.73		
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Report: REVISED DECEMBER 7, 2017												STAT BOX		Verify w designer	
Project: Concept Design Cost Estimate												Acres buildable		45.00	
Location: City of Harrisonburg - New High School															
Addl Ref: Harrisonburg, Virginia												Slab on Grade		122649.00	
Status: Concept / Schematic Design												Slab on Deck		65306.00	
Client: Grimm & Parker															
Owner/Dept: HPS												TOTAL New Add GSF		187955.00	
Owner/Entity: City of Harrisonburg															
Prep by: ja/mvd												TOTAL Comb. GSF		187955.00	
Chckd by: bd/sm															
Date [subm]: December 7, 2017															
Date [Revised]:															
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D1	D2	D3	D4	Q1	U1	Assem UC	Raw Unit Cost	Raw Extension	Raw Unit Cost	Raw Extension	Total Unit	Raw Unit Cost	Total Unit Cost	Raw Extension	Loaded Extension
Description				Quantity US	UM	to GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+Taxes & Brdn

Earth Work	Rock Excavation	Allowance		35,000	CY						28.57				999,970.08
Earth Work	Backfill														
Earth Work	Backfill building			898	CY						10.90				9,789.58
Earth Work	Backfill curb			7,222	LF						4.07				29,374.79
Earth Work	Soil Treatment Termite Control														
Earth Work	Termite control			116,554	SF						0.07				8,148.29
Earth Work	Subtotal														
Earth Work	Sales taxes	6.00%	for material and equipment												
Earth Work	Payroll brdn	42.00%	labor burden												
Earth Work	SC MU	OH & P	on self performed work												
Earth Work	EARTHWORK Div. TOTAL														2,215,279.15

Report: REVISED DECEMBER 7, 2017												STAT BOX		Verify w designer	
Project: Concept Design Cost Estimate												Acres buildable		45.00	
Location: City of Harrisonburg - New High School												Slab on Grade		122649.00	
Add Ref: Harrisonburg, Virginia												Slab on Deck		65306.00	
Status: Concept / Schematic Design												TOTAL New Add GSF		187955.00	
Client: Grimm & Parker												TOTAL Comb. GSF		187955.00	
Owner/Dept: HPS															
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D1	D2	D3	D4	Q1	U1	Assem UC to GC [US]	Raw Unit Cost	Raw Extension	Raw Unit Cost	Raw Extension	Total Unit	Raw Unit Cost	Total Unit Cost	Raw Extension	Loaded Extension
Description				Quantity US	UM		Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+Taxes & Brdn

Ext. Improv **EXTERIOR SITE IMPROVMENTS**

Ext. Improv	Onsite Asphalt															
Ext. Improv	Fine grade										0.77					289,330.32
Ext. Improv		SF	Inch depth	CF												
Ext. Improv	Gravel base	375,356	8.00	250,237.33		13,137 TNS					38.94					511,591.81
Ext. Improv	Asphalt base	375,356	3.00	93,839.00		6,850 TNS					133.15					912,091.46
Ext. Improv	Asphalt topcoat	375,356	2.00	62,559.33		4,598 TNS					136.59					628,061.68
Ext. Improv																
Ext. Improv	Curb & Gutter															
Ext. Improv	Curb and gutter, straight, concrete					7,222 LF					22.49					162,435.53
Ext. Improv	Curb and gutter, premium for curves					2,528 LF					3.96					10,003.51
Ext. Improv	Header curb, straight, concrete					220 LF					17.43					3,834.39
Ext. Improv	Header curb, premium for curves					77 LF					3.96					304.73
Ext. Improv																
Ext. Improv	Paving Specialties															
Ext. Improv	Traffic control					10 DAY					1,393.63					13,936.28
Ext. Improv	Paint striping					17,280 LF					2.57					44,340.79
Ext. Improv	Paint symbols					30 EA					99.64					2,989.12
Ext. Improv	Crosswalk marking 12"					1,200 LF					3.62					4,340.59
Ext. Improv																
Ext. Improv	Heavy Duty Concrete		Per inch depth													
Ext. Improv	Poured in place concrete		8.00			1,280 SF					12.08					15,460.31
Ext. Improv	Gravel bedding		6.00			1,280 SF					2.03					2,592.18
Ext. Improv	Reinforcement					3.20 TN					1,765.90					5,650.88
Ext. Improv																
Ext. Improv	Fencing/Railing															
Ext. Improv	Chainlink fence 8' Allowances					3,800 LF					40.50					153,906.16
Ext. Improv	Gates, chain link					8 LEAF					524.77					4,198.17
Ext. Improv	Wall mounted rail, galvanized					564 LF					27.06					15,259.33
Ext. Improv	2 Pipe rail, galvanized					200 LF					54.19					10,838.25
Ext. Improv	3 Pipe rail, galvanized					100 LF					79.28					7,927.72
Ext. Improv																
Ext. Improv	Site Wall Allowance															
Ext. Improv	Concrete stair walls					480 SF					51.13					24,541.79
Ext. Improv	Seat walls, brick veneer, PC cap					172 LF					306.60					52,734.89
Ext. Improv	Seat walls, brick veneer, PC cap					80 LF					306.60					24,527.86
Ext. Improv	Screen wall, CMU/brick veneer		courtyard			682 SF					32.79					22,362.29
Ext. Improv	Screen wall footing					62 LF					34.52					2,140.25
Ext. Improv																
Ext. Improv	Football Stadium Refer to Bid Alternate															Add alternate
Ext. Improv																
Ext. Improv	Soccer Fields															
Ext. Improv	Natural Sod fields	SF	400,000			44,444 SY					3.73					165,730.26
Ext. Improv	Goal Posts					3 PAIR					4,978.14					14,934.41
Ext. Improv	Baseball / Softball fields					2 EA					142,832.97					285,665.94

Report: REVISED DECEMBER 7, 2017		Status: Concept / Schematic Design	Prep by: ja/mvd	Date [subm]: December 7, 2017	STAT BOX	Verify w designer
Project: Concept Design Cost Estimate	Client: City of Harrisonburg - New High School	Client: Grimm & Parker	Chckd by: bd/sm	Date [Revised]	Acres buildable	45.00
Location: Harrisonburg, Virginia	Owner/Dept: HPS	Owner/Entity: City of Harrisonburg	D&S Job no.: 112017	platform rev.: 2017		
Addl Ref: Drawings Dated 11/20/2017				©Downey & Scott 2017	Slab on Grade	122649.00
2017 © Downey & Scott LLC. Expressly Reserves Its Common Law And Other Property Rights In This Estimate. /this Estimate Is Not To Be Reproduced, Changed Or Copied In Any Form Or Matter Whatsoever, Without First Obtaining The Express Written Permission And Consent Of Downey & Scott LLC.					Slab on Deck	65306.00
					TOTAL New Add GSF	187955.00
					TOTAL Comb. GSF	187955.00

Description	D1	D2	D3	D4	Q1	U1	Assem UC to GC [US]	Raw Unit Cost Material	Raw Extension Material	Raw Unit Cost Labor	Raw Extension Labor	Total Unit Cost Cost Loaded	Raw Unit Cost Equipment	Total Unit Cost Extension	Raw Extension Equipment	Loaded Extension +Taxes & Brdn
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Ext. Improv	Specialties															
Ext. Improv				allowance			1 EA					25,085.31		25,085.31		
Ext. Improv				allowance			1 EA					27,872.56		27,872.56		
Ext. Improv				allowance			1 EA					20,904.42		20,904.42		
Ext. Improv				allowance			3 EA					1,905.21		5,715.62		
Ext. Improv				allowance			3 EA					337.98		1,013.94		
Ext. Improv				FF&E			0 EA					234.46		0.00		
Ext. Improv				FF&E			0 EA					1,056.72		0.00		
Ext. Improv				1 EA			1 EA					24,349.05		24,349.05		
Ext. Improv				incl fencing			2 EA					24,349.05		48,698.11		
Ext. Improv				allowance			12 EA					1,054.77		12,657.21		
Ext. Improv				allowance			2 EA					2,262.03		4,524.07		
Ext. Improv	Site Graphics															
Ext. Improv							12 EA					97.46		1,169.53		
Ext. Improv							30 EA					97.46		2,923.83		
Ext. Improv							1 EA					4,386.24		4,386.24		
Ext. Improv	Seed & Sod															
Ext. Improv			SF	40,000			4,444 SY					3.73		16,573.03		
Ext. Improv			SF	900,000			100,000 SY					0.57		56,898.35		
Ext. Improv	Trees Allowances															
Ext. Improv							30 EA					439.42		13,182.75		
Ext. Improv							40 EA					555.85		22,233.94		
Ext. Improv							60 EA					397.62		23,856.96		
Ext. Improv							40 EA					500.10		20,004.14		
Ext. Improv							170 EA					40.01		6,802.47		
Ext. Improv	Shrubs Allowances															
Ext. Improv							300 EA					47.22		14,166.93		
Ext. Improv							200 EA					58.37		11,674.42		
Ext. Improv	Plantings Allowances															
Ext. Improv							2,000 EA					9.27		18,530.38		
Ext. Improv							2,000 EA					12.46		24,925.04		
Ext. Improv							600 EA					19.51		11,708.36		
Ext. Improv	Landscaping Allowances															
Ext. Improv							1,200 SY					8.56		10,272.43		
Ext. Improv	Site Concrete Allowances															
Ext. Improv							53,240 SF					4.06		216,320.67		
Ext. Improv							53,240 SF					1.36		72,243.53		
Ext. Improv							200 SF					8.36		1,672.35		
Ext. Improv							14 EA					260.35		3,644.91		
Ext. Improv							966 LF					22.44		21,673.46		
Ext. Improv							800 SF					11.89		9,511.23		
Ext. Improv	Subtotal															
Ext. Improv	Sales taxes 6.00% for material and equipment															
Ext. Improv	Payroll brdn 42.00% labor burden															
Ext. Improv	SC MU OH & P on self performed work															
Ext. Improv	EXTERIOR IMPROVEMENTS Div. TOTAL															
														4,146,926.18		

Report: REVISED DECEMBER 7, 2017										STAT BOX		Verify w designer	
Project: Concept Design Cost Estimate										Acres buildable		45.00	
Location: City of Harrisonburg - New High School													
Address Ref: Harrisonburg, Virginia													
Status: Concept / Schematic Design													
Client: Grimm & Parker													
Owner/Dept: HPS													
Owner/Entity: City of Harrisonburg													
Prep by: ja/mvd										Date [subm]: December 7, 2017			
Chckd by: bd/sm										Date [Revised]			
D&S Job no.: 112017										platform rev. 2017		©Downey & Scott 2017	
LAN ref:													
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										TOTAL New Add GSF		187955.00	
										TOTAL Comb. GSF		187955.00	
										Raw Unit Cost		Total Unit Cost	
Description										Equipment		Extension	
										Equipment		Loaded Extension	
												+Taxes & Brdn	

UTILITIES

D1	D2	D3	D4	Q1	U1	Assem UC	Raw Unit Cost	Raw Extension	Raw Unit Cost	Raw Extension	Total Unit	Raw Unit Cost	Total Unit Cost	Raw Extension	Loaded Extension
Description				Quantity US	UM	to GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	
UTILITIES															
Primary utilities allowances															
Primary electrical wiring and transformers															
Assumed furnished to meter by public utility unless otherwise noted															
Primary telephone															
Assumed furnished to meter by public utility unless otherwise noted															
Primary gas															
Assumed furnished to meter by public utility unless otherwise noted															
Water and sewer tap fees															
Excluded															
Inspections - TV camera															
Refer to General Conditions															
Traffic signalization															
Excluded															
Test pit															
				10	EA						330.19			3,301.90	
Site Lighting Systems allowances															
Pole and light, 12' pole, LED, double lamp															
				16	EA						4,927.01			78,832.15	
Pole and light, 12' pole, LED, single lamp															
				20	EA						3,054.18			61,083.59	
Pole base excavation and concrete fill															
				36	EA						552.95			19,906.11	
Uplight															
				3	EA						844.06			2,532.18	
Step light															
				16	EA						354.28			5,668.48	
Site lighting control															
				8	EA						895.08			7,160.65	
PVC conduit, 1"															
				4,320	LF						2.22			9,585.25	
Wiring															
				4,320	LF						4.38			18,924.58	
Chain trenching 24" deep															
				3,300	LF						1.56			5,146.24	
Site Electrical Utilities allowances															
Primary wiring and transformers by utility company															
Direct bury primary elec (2) 6" pvc conduit															
				900	LF						16.47			14,822.64	
Duct bank pvc conduit (15) 4" generator															
				60	LF						46.97			2,818.09	
Duct bank pvc conduit (10) 4" secondary															
				40	LF						31.31			1,252.49	
Duct bank pvc conduit (2) 4" to site buildings															
				1,200	LF						6.26			7,514.91	
Duct bank pvc conduit (2) 1" power to sports facilities															
				1,600	LF						3.47			5,545.26	
Excavation & backfill															
				1,007	CY						30.49			30,712.50	
Concrete fill															
				201	CY						177.61			35,784.85	
Spoils removal															
				201	CY						18.64			3,756.01	
Handhole, 1' x 2' x 2'															
				6	EA						786.83			4,720.99	
Handhole, 2' x 3' x 4'															
				4	EA						2,413.89			9,655.58	
Wiring for conduits 3" and larger															
				3,700	LF						8.00			29,605.60	
Wiring for conduits 2 1/2" and smaller															
				3,200	LF						4.74			15,156.82	
Ext Security TV Monitoring Sys															
Cables & wiring															
				3,200	LF						16.75			53,587.06	
One 4" pvc cond															
				3,200	LF						3.13			10,019.89	
Chain trenching 24" deep															
				3,200	LF						1.73			5,524.21	
CCTV camera															
				12	EA						7,315.67			87,788.09	

Report: REVISED DECEMBER 7, 2017										STAT BOX		Verify w designer	
Project: Concept Design Cost Estimate										Acres buildable		45.00	
Location: City of Harrisonburg - New High School													
Addl Ref: Harrisonburg, Virginia													
Status: Concept / Schematic Design													
Client: Grimm & Parker													
Owner/Dept: HPS													
Owner/Entity: City of Harrisonburg													
Prep by: ja/mvd										Date [subm]: December 7, 2017			
Chckd by: bd/sm										Date [Revised]			
D&S Job no.: 112017										platform rev. 2017		©Downey & Scott 2017	
LAN ref:													
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										TOTAL Comb. GSF		187955.00	
										Raw Unit Cost		Raw Extension	
										Equipment		Extension	
										Equipment		Loaded Extension	
										+Taxes & Brdn			

D1	D2	D3	D4	Q1	U1	Assem UC	Raw Unit Cost	Raw Extension	Raw Unit Cost	Raw Extension	Total Unit	Raw Unit Cost	Total Unit Cost	Raw Extension	Loaded Extension
Description				Quantity US	UM	to GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	
Utilities Water Supply & Distribution Systems															
Utilities				2	EA						4,079.36				8,158.72
Utilities				1	EA						5,756.83				5,756.83
Utilities				1	EA						4,299.48				4,299.48
Utilities				60	LF						41.44				2,486.52
Utilities			to stadium buildings	800	LF						28.76				23,007.35
Utilities				200	LF						34.57				6,914.64
Utilities				2,800	LF						46.72				130,804.37
Utilities				6	EA						1,419.51				8,517.04
Utilities				12	EA						1,694.67				20,335.98
Utilities				6	EA						837.09				5,022.57
Utilities				10	EA						757.12				7,571.24
Utilities				4	EA						2,488.38				9,953.51
Utilities				156	EA						294.11				45,751.07
Utilities				20	EA						168.29				3,365.70
Utilities				2,573	CY						20.06				51,617.47
Utilities				257	CY						29.70				7,643.04
Utilities				515	CY						18.64				9,594.40
Utilities Sanitary Sewer Systems															
Utilities				6	EA						1,966.26				11,797.58
Utilities				1	EA						2,527.78				2,527.78
Utilities				4	EA						289.35				1,157.42
Utilities				40	LF						5.26				210.24
Utilities				60	LF						7.62				457.48
Utilities				1,993	LF						13.80				27,509.86
Utilities				1,240	CY						20.06				24,878.61
Utilities				124	CY						29.70				3,683.79
Utilities				248	CY						18.64				4,624.31

Report: REVISED DECEMBER 7, 2017										STAT BOX		Verify w designer							
Project: Concept Design Cost Estimate										Acres buildable		45.00							
Location: City of Harrisonburg - New High School																			
Address: Harrisonburg, Virginia																			
Drawings Dated: 11/20/2017																			
Status: Concept / Schematic Design					Prep by: ja/mvd		Date [submit]: December 7, 2017												
Client: Grimm & Parker					Checked by: bd/sm		Date [Revised]:												
Owner/Dept: HPS					D&S Job no.: 112017		platform rev. 2017												
Owner/Entity: City of Harrisonburg					LAN ref:														
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										Slab on Deck		65306.00							
										TOTAL New Add GSF		187955.00							
										TOTAL Comb. GSF		187955.00							
										Raw Unit Cost		Total Unit Cost		Raw Extension		Loaded Extension			
Description										Material		Labor		Cost Loaded		Equipment		+Taxes & Brdn	

Football Stadium Add Alternate

Football	Musco sports lighting - football stadium				1	LS						520,304.36			520,304.36	
Football	Sports lighting wiring and conduit				1,200	LF						41.31			49,577.39	
Football	Concrete pad under bleachers				9,000	SF						11.01			99,127.66	
Football	Gravel base, drainage, geofabric				97,300	SF						4.52			439,676.55	
Football	Synthetic turf				97,300	SF						6.07			590,422.80	
Football	Track trench drain, ACO 4000M, incl catch basins				1,526	LF						34.18			52,164.58	
Football	Asphalt Running Track															
Football	Fine grade				71,640	SF						0.71			51,157.78	
Football		SF	Inch depth	CF												
Football	Gravel base	71,640.00	6.00	35,820.00	1,881	TNS						41.42			77,897.30	
Football	Asphalt base	71,640.00	3.00	17,910.00	1,307	TNS						126.15			164,933.88	
Football	Asphalt topcoat	71,640.00	2.00	11,940.00	878	TNS						129.51			113,656.36	
Football	Rubber running track surface 13mm, based on Beynon				71,640	SF						7.59			543,857.75	
Football	Long Jump Landing Pits				1	EA						2,380.62			2,380.62	
Football	Triple jump				1	EA						2,228.66			2,228.66	
Football	Discus/shot put				2	EA						1,976.90			3,953.80	
Football	High jump				1	EA						3,913.52			3,913.52	
Football	Fencing/railing				1	LS						129,107.78			129,107.78	
Football	Home side football bleachers, steel frame				1,468	SEAT						296.57			435,370.35	
Football	Visitors side football bleachers, steel frame				300	SEAT						268.47			80,541.86	
Football	Football score board				1	EA						22,936.64			22,936.64	
Football	Football goal post				1	PAIR						4,978.14			4,978.14	
Football	Football stadium sound system				1	LS						14,430.38			14,430.38	
Football	Concession building				1	LS						839,200.58			839,200.58	
Football	Pressbox				1	LS						400,234.12			400,234.12	
Football	Subtotal															
Football	Sales taxes		0.06	for material and equipment												
Football	Payroll brdn		0.42	labor burden												
Football	Subtotal															\$4,642,052.84
Football	MARK-UPS															
Football	Subtotals															4,642,052.84
Football	OH & profit				4.75%											220,497.51
Football	Subtotal															4,862,550.35
Football	Bonds				1.00%											48,625.50
Football	Subtotal															4,911,175.85
Football	Insurance				0.42%											20,626.94
Football	Subtotal															4,931,802.79
Football	Contingency				10.00%											493,180.28
Football	Subtotal															5,424,983.07
Football	Escalation				9.00%											488,248.48
Football	Subtotal															5,913,231.55
Football	Local taxes				0.13%											7,687.20
Football	TOTAL				27.55%											\$5,920,918.75