

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																	\$3.90
26.00 ELECTRICAL																	\$2,022.958
27.00 COMMUNICATIONS																	\$10.76
28.00 ELECTRONIC SAFETY & SECURITY																	\$35.42
31.00 EARTHWORK ALLOWANCE																	\$6,657.321
32.00 EXTERIOR IMPROVEMENTS ALLOWANCE																	\$3.26
33.00 UTILITIES ALLOWANCE																	\$19.82
ADDITIONAL SITE SCOPE ALLOWANCE																	\$687.227
SUBTOTALS																	\$3.66
OVERHEAD & PROFIT																	\$2,215.279
SUBTOTAL																	\$4,170.803
BONDS																	\$22.19
SUBTOTAL																	\$10.76
INSURANCE																	\$390.157
SUBTOTAL																	\$8,834.646
ESTIMATE DESIGN SCOPE CONTINGENCY																	\$36,803.005
SUBTOTAL																	\$1,748.143
ESCALATION TO MIDPT																	\$419.646
SUBTOTAL																	\$9,254.292
GROSS RECEIPTS TAX ON VIRGINIA STATE PROJECTS ONLY																	\$38,551.147
SUBTOTALS SITE & BUILDING BASE BID																	\$385.511
TOTAL BASE BID BUILDING & SITE COMBINED																	\$9,346.834
ADD 16 CLASSROOMS TO BASE BID																	\$39,257
SUBTOTAL																	\$38,936.659
CONSTRUCTION CONTINGENCY																	\$39,100.193
TOTAL BASE BID BUILDING & SITE COMBINED WITH CONSTRUCTION CONTINGENCY																	\$39,100.193
ADDITIVE ALTERNATE - FOOTBALL STADIUM																	\$3,910.019
ADDITIVE ALTERNATE - GEOTHERMAL HEAT PUMP HVAC SYSTEM																	\$43,010.212
ADDITIVE ALTERNATE - AUXILARY GYM																	\$3,870.919
ADDITIVE ALTERNATE - SIGNALIZATION AT ACCESS RD																	\$11,765.465
ADDITIVE ALTERNATE - SECOND ACCESS ROAD & ENTRANCE																	\$46,881.131
TOTAL BASE BID AND ADD ALTERNATES																	\$60,945

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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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								TOTAL Comb. GSF	187955.00
								Raw Extension	Loaded Extension
								Equipment	+Taxes & Brdn
								Equipment	

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		
GENERAL CONDITIONS GC Self Performed																	
Office Project Management (Personal With Direct Project Time. Not Assoc With Normal Inner Office Overhead)																	
Gen Cond																	
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)	40'	MOS						376.25		9,030.00			
Gen Cond					1.00	EA						262.50		262.50			
Toilets temporary																	
Gen Cond					24.00	MOS						392.00		9,408.00			
Gen Cond				(4)	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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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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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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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							
								Raw Unit Cost	Raw Extension	Total Unit Cost	Raw Extension	Total Unit Cost	Raw Extension	Loaded Extension		
Description	D1	D2	D3	D4	Q1	U1	Assem UC to GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+Taxes & Brdn

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				Concrete	Total Lf										
Conc Foundations	MARK/Rebar Sz	Length	Width	Depth	Cubic Yds	Rebar					EXCAVATION ONLY					
Conc Foundations	Ext wall	2,657.00	3.00	1.00	295.22	5,420					51.99			15,349.85		
Conc Foundations	Con't Interior Footing/Thickened Calculator				Concrete	Total Lf										
Conc Foundations	MARK/Rebar Sz	Length	Width	Depth	Cubic Yds	Rebar					EXCAVATION ONLY					
Conc Foundations	Int	1,840.00	2.00	1.00	136.30	3,754					51.99			7,086.62		
Conc Foundations	Column Footing Calculator				Concrete	Total Lf										
Conc Foundations	Count	Length	Width	Depth	Cubic Yds	Rebar					EXCAVATION ONLY					
Conc Foundations	74.00	6.00	6.00	1.00	98.67	3,552					51.99			5,130.10		
Conc Foundations	60.00	8.00	8.00	1.00	142.22	3,840					51.99			7,394.73		
Conc Foundations	Column Piers Calculator				Concrete	Total Lf										
Conc Foundations	Count	Height	Width	Depth	Cubic Yds	Rebar					EXCAVATION ONLY					
Conc Foundations	134.00	1.50	1.50	2.00	22.33	2,010					EXCAVATION ONLY					
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										EXCAVATION ONLY					
Conc Foundations	Int backfill by conc sub using onsite earth materials				291.79	CY					30.68			8,952.02		
Conc Foundations	Foundation Formwork										EXCAVATION ONLY					
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										EXCAVATION ONLY					
Conc Foundations	Bar #	Unit weight									EXCAVATION ONLY					
Conc Foundations		Lbs per foot									EXCAVATION ONLY					
Conc Foundations	4	0.668			Total LF						EXCAVATION ONLY					
Conc Foundations	5	1.043			2010.00						EXCAVATION ONLY					
Conc Foundations					18575.88						EXCAVATION ONLY					
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										EXCAVATION ONLY					
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						EXCAVATION ONLY					
Conc Foundations	Pumping & / or Mechanical Placement										EXCAVATION ONLY					
Conc Foundations	Pumping premium per CY				552.52	CY					21.84			12,065.77		
Conc Foundations	Misc Foundation Items										EXCAVATION ONLY					
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 Project: Concept Design Cost Estimate Location: City of Harrisonburg - New High School Addr 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		Verify w designer
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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	Loaded Extension										
				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															
				Total LF											
				3605.88											
Conc SOG 4 Lbs per foot															
				0.668											
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															
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															
Conc SOG															
Slab-On-Deck Reinforcing															
Conc SOG Mesh 6x6-10/10 W1.4/W1.4															
				SOD	69,093.75	SF					0.54		37,239.77		
Conc SOG															
Bar # Unit weight															
				Total LF											
				1828.57		1221.48									
Conc SOG 4 Lbs per foot															
				0.668											
Conc SOG Black stl small quant															
				0.61	TNS						2,956.55		1,805.69		
Conc SOG Chairs and Accessories															
				0.50	TNS						2,956.55		1,466.07		
Conc SOG Mas rebar black stl															
				27.02	TONS										
Conc SOG															
Placement See below for pumping															
Conc SOG Place SOD															
				3,500	PSI	1,257.75	CY				198.91		250,173.39		
Conc SOG Place stair fill trd pans/Indgs,incl fin															
				3,500	PSI	19.07	CY				244.57		4,664.99		
Conc SOG															
Pumping & / or Mechanical Placement															
Conc SOG Pumping premium per CY															
				1,276.82	CY						20.17		25,758.92		

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Addr Ref: Harrisonburg, Virginia		Owner/Entity: City of Harrisonburg						Slab on Deck		65306.00	
Drawings Dated 11/20/2017								TOTAL New Add GSF		187955.00	
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TOTAL Comb. GSF 187955.00											

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								Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	Loaded Extension	
Masonry		32,732.91			34,518.96												
Masonry		Mortar															
Masonry		Block		0.03	1,035.57	EA	BGS					19.64				20,334.64	
Masonry		Sand		0.11	108.73	Totl # bags	TNS					30.72				3,340.86	
Masonry		Grout fill															
Masonry		Bnd bm (6"-8")		0.01	25.30	SF	CY					226.43				5,727.79	
Masonry		Walls (8")		0.003	56.74	SF	CY					226.43				12,846.46	
Masonry		Substructure															
Masonry		Foundation block															
Masonry		06/08/16 req		1.13	5,913.71	SF	EA					7.80				46,135.94	
Masonry		08/08/16 req		1.13	5,913.71	SF	EA					8.85				52,355.95	
Masonry					11,827.41												
Masonry		Mortar															
Masonry		Block		0.03	354.82	EA	BGS					18.48				6,557.52	
Masonry		Sand		0.11	37.26	Totl # bags	TNS					29.26				1,090.19	
Masonry		Grout fill solid															
Masonry		Walls (6-8")		0.250	97.34	SF	CY					226.43				22,041.35	
Masonry		Flashing															
Masonry		Membrane flashing		1.33	3,533.81	LF	SF					0.49				1,741.57	
Masonry		Metal reinf															
Masonry		Ext wall durowall		0.67	35,775.56	SF	LF					0.62				22,039.10	
Masonry		Int partn durowall		0.67	21,852.40	SF	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	9.23	TNS	TNS					3,203.65				29,567.66	
Masonry				9.22	9.22	TONS	TONS										
Masonry		Miscellaneous															
Masonry		Cavity Insul, 2"			56,354.00	SF											
Masonry		Parging, 1"			5,256.63	SF						0.61				3,223.01	
Masonry		Brick Clean mas			162,681.56	EA	EA					0.05				7,938.67	
Masonry		CMU Clean mas			34,518.96	EA	EA					0.12				4,135.12	
Masonry		Scaffolding			89,086.91	SF	SF					1.00				89,181.47	
Masonry		Forklift rental			20.00	WKS	WKS					770.05				15,400.94	
Masonry		Patch days			2.00	WKS	EA					385.77				771.54	
Masonry		Saw blade			4.00	EA	EA					315.72				1,262.88	
Masonry		Masonry Dumpsters			20.00	PULLS	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

REVISED 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			
Addr 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				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	Wall mntd	utility	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	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						
								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		
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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
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Report: REVISDED 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 Drawings Dated 11/20/2017										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]: platform rev. 2017														
D&S Job no.: 112017														
LAN ref: City of Harrisonburg														
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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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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 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	GWB PARTITIONS AND FINISHES WORK Div. TOTAL														3,038,607.91		

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			
LAN ref:																
©Downey & Scott 2017																
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													TOTAL New Add GSF		187955.00	
													TOTAL Comb. GSF		187955.00	
													Raw Unit Cost		Total Unit Cost	
													Equipment		Extension	
													Raw Extension		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	
Specialties	SPECIALTIES	Subcontracted															
Specialties	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															
Specialties	White Board	Total LF															
Specialties	Whiteboards					187,955.00	GSF						0.50		94,420.26		
Specialties	Tackboards					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		

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

Furnishings	FURNISHINGS	GC Self Performed														
Furnishings	<i>Blinds</i>															
Furnishings	Horizontal	window SF	manual	11,792.00	SF							7.60			89,591.12	
Furnishings	<i>Privacy curtains</i>															
Furnishings	Curtains w/track		allowance	1,100.00	SF							4.65			5,112.27	
Furnishings	<i>Floor mats</i>															
Furnishings	Floor mats	w/ frames	allowance	1,295.00	SF							17.44			22,580.13	
Furnishings	<i>Casework</i>															
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	<i>Seating</i>	<i>Gym</i>														
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: 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															
Addl Ref: Drawings Dated 11/20/2017															
Status: Concept / Schematic Design				Prep by: ja/mvd		Date [subm]: December 7, 2017									
Client: Grimm & Parker				Chckd by: bd/sm		Date [Revised]									
Owner/Dept: HPS				D&S Job no.: 112017		platform rev. 2017		©Downey & Scott 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 Extension		Loaded Extension	
												Equipment		+ Taxes & Brdn	
D1	D2	D3	D4	Q1	U1	Assem UC to GC [US]	Raw Unit Cost	Raw Extension	Raw Unit Cost	Raw Extension	Total Unit Cost	Raw Unit Cost	Total Unit Cost	Raw Extension	Loaded Extension
Description				Quantity US	UM		Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	

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							
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							
	Drawings Dated 11/20/2017							TOTAL New Add GSF	187955.00							
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.								TOTAL Comb. GSF	187955.00							
								Raw Extension	Loaded Extension							
Description	D1	D2	D3	D4	Q1	U1	Assem UC to GC [US]	Raw Unit Cost	Raw Extension	Raw Unit Cost	Raw Extension	Total Unit Cost	Raw Unit Cost	Total Unit Cost	Raw Extension	Loaded Extension
					Quantity US	UM		Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+Taxes & Brdn

Fire Protection **Fire Protection**

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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					Refer to Div 11 Excluded	
Fire Pump						
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

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					
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	<small>platform rev. 2017</small>	©Downey & Scott 2017					
Addl Ref:	Drawings Dated 11/20/2017				Owner/Entity:	City of Harrisonburg				LAN ref:								
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.															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	
															Raw Extension		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				

Plumbing	PLUMBING	Section														
Plumbing																
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	Plumbing Insulation Sys					Note: Qtys inc. waste and ext qlys for fittings					1.37		257,849.25			
Plumbing																
Plumbing	Coordinated Drawings															
Plumbing																
Plumbing																
Plumbing																
Plumbing	Subtotal															
Plumbing	Sales taxes															
Plumbing	Payroll brdn															
Plumbing																
Plumbing																
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				187,955.00	GSF						0.26			48,881.25	
Electrical																
Electrical	Subtotal															
Electrical	Sales taxes	6.00% for material and equipment														
Electrical	Payroll brdn	42.00% labor burden														
Electrical																
Electrical	SC MU OH & P on self performed work															
Electrical	ELECTRICAL SYSTEMS WORK Div. TOTAL															3,725,819.27

REVISIED 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				
Addr 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				
													Raw Extension	Equipment		Raw Extension	Loaded 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				

Com Sys **COMMUNICATIONS SYSTEMS WORK**

Com Sys	Clock & Program Systems														
Com Sys				187,955.00	GSF						0.41			76,886.82	
Com Sys	Voice & Data Systems														
Com Sys	Telephone system														
Com Sys	Voice & Data Systems			187,955.00	SF						5.65			1,061,170.71	
Com Sys	P.A. & Music System														
Com Sys	P.A. & Music System			187,955.00	SF						0.92			173,127.91	
Com Sys	T.V. /CCTV System														
Com Sys	T.V. System			187,955.00	SF						0.28			52,760.27	
Com Sys	Subtotal														
Com Sys	Sales taxes	6.00% for material and equipment													
Com Sys	Payroll_brnd	42.00% labor burden													
Com Sys	SC MU OH & P on self performed work														
Com Sys	COMMUNICATIONS SYSTEMS WORK Div. TOTAL													1,363,945.72	

Electronics **ELECTRONIC SAFETY & SECURITY SYSTEMS**

Electronics	Security														
Electronics	Security Systems	access control		187,955.00	SF						1.53			287,003.01	
Electronics	Fire alarm system														
Electronics	Fire alarm system			187,955.00	SF						2.13			400,224.38	
Electronics	Subtotal														
Electronics	Sales taxes	6.00% for material and equipment													
Electronics	Payroll_brnd	42.00% labor burden													
Electronics	SC MU OH & P on self performed work														
Electronics	ELECTRONIC SAFETY & SECURITY SYSTEMS WORK Div. TOTAL													687,227.38	

Report:	REVISED DECEMBER 7, 2017	Status:	Concept / Schematic Design	Prep by:	ja/mvd	Date [subm]:	December 7, 2017	STAT BOX	Verify w designer																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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<table border="1"> <thead> <tr> <th>D1</th> <th>D2</th> <th>D3</th> <th>D4</th> <th>Q1</th> <th>U1</th> <th>Assem UC</th> <th>Raw Unit Cost</th> <th>Raw Extension</th> <th>Raw Unit Cost</th> <th>Raw Extension</th> <th>Total Unit</th> <th>Raw Unit Cost</th> <th>Total Unit Cost</th> <th>Raw Extension</th> </tr> <tr> <th>Description</th> <th></th> <th></th> <th></th> <th>Quantity US</th> <th>UM</th> <th>to GC [US]</th> <th>Material</th> <th>Material</th> <th>Labor</th> <th>Labor</th> <th>Cost Loaded</th> <th>Equipment</th> <th>Extension</th> <th>Equipment</th> </tr> </thead> <tbody> <tr> <td colspan="15">EARTHWORK DIVISION</td> </tr> <tr> <td colspan="15">Erosion and Sediment Controls Allowances</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>LS</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>10,398.04</td> <td></td> <td>10,398.04</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>3,100</td> <td>LF</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3.23</td> <td></td> <td>10,018.33</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>4,500</td> <td>LF</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>5.77</td> <td></td> <td>25,973.52</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>1,200</td> <td>LF</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>5.91</td> <td></td> <td>7,086.81</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>12</td> <td>EA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>147.64</td> <td></td> <td>1,771.70</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>32</td> <td>EA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>84.04</td> <td></td> <td>2,689.38</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>520</td> <td>LF</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3.97</td> <td></td> <td>2,063.04</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>200.00</td> <td>TNS</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>37.14</td> <td></td> <td>7,428.59</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>2</td> <td>EA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>882.46</td> <td></td> <td>1,764.93</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>72,222</td> <td>SY</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.36</td> <td></td> <td>26,266.00</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>2,000</td> <td>CY</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>6.91</td> <td></td> <td>13,810.25</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>400</td> <td>TNS</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>46.75</td> <td></td> <td>18,701.36</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>120</td> <td>LF</td> <td></td> <td></td> <td></td> <td></td> <td></td> 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<td>2,382.44</td> <td></td> <td>84,338.50</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td colspan="11">Topsoil</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>6" strip</td> <td></td> <td>28,840</td> <td>CY</td> <td></td> <td></td> <td>2.90</td> <td></td> <td>83,703.64</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>6" depth</td> <td></td> <td>10,140</td> <td>CY</td> <td></td> <td></td> <td>5.54</td> <td></td> <td>56,172.79</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>200</td> <td>CY</td> <td></td> <td></td> <td>59.49</td> <td></td> <td>11,897.16</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>SF</td> <td>116,554</td> <td>12,950</td> <td>SY</td> <td></td> <td></td> <td>2.44</td> <td></td> <td>31,612.36</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>SF</td> <td>146,850</td> <td>16,317</td> 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Allowances																			1	LS						10,398.04		10,398.04						3,100	LF						3.23		10,018.33						4,500	LF						5.77		25,973.52						1,200	LF						5.91		7,086.81						12	EA						147.64		1,771.70						32	EA						84.04		2,689.38						520	LF						3.97		2,063.04						200.00	TNS						37.14		7,428.59						2	EA						882.46		1,764.93						72,222	SY						0.36		26,266.00						2,000	CY						6.91		13,810.25						400	TNS						46.75		18,701.36						120	LF						39.20		4,704.56						60	LF						44.42		2,665.13						3	EA						1,663.17		4,989.51						1	LS						28,066.23		28,066.23						Wetlands Remediation/repair Excluded															Foundation Drainage															2,030	LF						11.12		22,578.65						508	LF						8.62		4,375.90						Dewatering															60	DAY						987.32		59,239.03						Soil Testing															Compaction See Div 1															Moisture See Div 1															CBR See Div 1															Site Clearing															35.40	ACRE						2,382.44		84,338.50						Topsoil																6" strip		28,840	CY			2.90		83,703.64							6" depth		10,140	CY			5.54		56,172.79									200	CY			59.49		11,897.16							SF	116,554	12,950	SY			2.44		31,612.36							SF	146,850	16,317	SY			2.44		39,829.39						All Cut/Fill assumptions are based balanced earthwork																		53,600	CY			5.33		285,433.11						Excluded - assumed that onsite soils, onsite topsoil will provide for areas of fill																		18,700	CY			5.54		103,592.81						Undercut and Replace with Suitable Soils															Undercut and haul - cut, load, haul, dispose															Import fill - purchase, import, place, compact																SF																	1,530,800	170,089	SY		1.27		216,825.73	
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Description				Quantity US	UM		Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+Taxes & Brdn																															

Ext. Improv EXTERIOR SITE IMPROVEMENTS															
Ext. Improv Onsite Asphalt															
Ext. Improv Fine grade															
Ext. Improv SF Inch depth CF 375,356 SF 0.77 289,330.32															
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 Curb & Gutter															
Ext. Improv Curb and gutter, straights, 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 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 Heavy Duty Concrete															
Ext. Improv Per inch depth 1,280 SF 12.08 15,460.31															
Ext. Improv Poured in place concrete 8.00 1,280 SF 2.03 2,592.18															
Ext. Improv Gravel bedding 6.00 1,280 SF 1,765.90 5,650.88															
Ext. Improv Reinforcement 3.20 TN															
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 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 courtyard 80 LF 306.60 24,527.86															
Ext. Improv Screen wall, CMU/brick veneer 682 SF 32.79 22,362.29															
Ext. Improv Screen wall footing 62 LF 34.52 2,140.25															
Ext. Improv Football Stadium Refer to Bid Alternate Add alternate															
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	City of Harrisonburg - New High School	Client: Grimm & Parker	Chckd by: bd/sm	Date [Revised]	Acres buildable	45.00
Location: Harrisonburg, Virginia	Drawings Dated 11/20/2017	Owner/Dept: HPS	D&S Job no.: 112017	platform rev. 2017		
Addl Ref:		Owner/Entity: City of Harrisonburg		©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 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		Cafeteria terrace		allowance	1	EA						25,085.31		25,085.31			
Ext. Improv		Outdoor classroom		allowance	1	EA						27,872.56		27,872.56			
Ext. Improv		Loading dock		allowance	1	EA						20,904.42		20,904.42			
Ext. Improv		Flagpole		allowance	3	EA						1,905.21		5,715.62			
Ext. Improv		Flagpole foundation		allowance	3	EA						337.98		1,013.94			
Ext. Improv		Bike rack		FF&E	0	EA						234.46		0.00			
Ext. Improv		Waste containers, benches, tables & chairs		FF&E	0	EA						1,056.72		0.00			
Ext. Improv		Basketball court			1	EA						24,349.05		24,349.05			
Ext. Improv		Tennis courts		incl fencing	2	EA						24,349.05		48,698.11			
Ext. Improv		Bollards, incl foundation		allowance	12	EA						1,054.77		12,657.21			
Ext. Improv		Bollard and chain set		allowance	2	EA						2,262.03		4,524.07			
Ext. Improv		Site Graphics															
Ext. Improv		Signage, H/C			12	EA						97.46		1,169.53			
Ext. Improv		Signage, traffic			30	EA						97.46		2,923.83			
Ext. Improv		Signage, main entrance, allowance - no details			1	EA						4,386.24		4,386.24			
Ext. Improv		Seed & Sod															
Ext. Improv		Sodded lawn	SF	40,000	4,444	SY						3.73		16,573.03			
Ext. Improv		Hydroseed	SF	900,000	100,000	SY						0.57		56,898.35			
Ext. Improv		Trees Allowances															
Ext. Improv		Deciduous - 2.5" cal			30	EA						439.42		13,182.75			
Ext. Improv		Deciduous - 3.5" cal			40	EA						555.85		22,233.94			
Ext. Improv		Evergreen - 2.5" cal			60	EA						397.62		23,856.96			
Ext. Improv		Evergreen - 3.5" cal			40	EA						500.10		20,004.14			
Ext. Improv		Tree guying w/ stakes,cable,tumbuckles and base wrap			170	EA						40.01		6,802.47			
Ext. Improv		Shrubs Allowances															
Ext. Improv		Shrubs - 18"-24"			300	EA						47.22		14,166.93			
Ext. Improv		Shrubs - 24"-36"			200	EA						58.37		11,674.42			
Ext. Improv		Plantings Allowances															
Ext. Improv		Perennials/groundcovers/grasses		1 qt	2,000	EA						9.27		18,530.38			
Ext. Improv		Perennials/groundcovers/grasses		2 qt	2,000	EA						12.46		24,925.04			
Ext. Improv		Perennials/groundcovers/grasses		1 gallon	600	EA						19.51		11,708.36			
Ext. Improv		Landscaping Allowances															
Ext. Improv		Landscaping mulch			1,200	SY						8.56		10,272.43			
Ext. Improv		Site Concrete Allowances															
Ext. Improv		Sidewalks, concrete, broom finish, 4"			53,240	SF						4.06		216,320.67			
Ext. Improv		Gravel base for concrete sidewalk, 4"			53,240	SF						1.36		72,243.53			
Ext. Improv		Sloped concrete ADA ramp			200	SF						8.36		1,672.35			
Ext. Improv		CG12 type ADA sidewalk ramp			14	EA						260.35		3,644.91			
Ext. Improv		Concrete steps on grade			966	LF						22.44		21,673.46			
Ext. Improv		Utility pad, concrete			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:	REVISÉ DECEMBER 7, 2017	Status:	Concept / Schematic Design	Prep by:	ja/mvd	Date [subm]:	December 7, 2017	STAT BOX	Verify w designer							
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Addr Ref:	Harrisonburg, Virginia	Owner/Entity:	City of Harrisonburg	LAN ref:				Slab on Deck	65306.00							
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								TOTAL New Add GSF	187955.00							
								TOTAL Comb. GSF	187955.00							
	D1	D2	D3	D4	Q1	UT	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

UTILITIES

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

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

Utilities	Water Supply & Distribution Systems															
Utilities	Wet tap															
Utilities	Concrete meter vault, 6' x 6' x 6'										4,079.36				8,158.72	
Utilities	Meter and valve assembly										5,756.83				5,756.83	
Utilities	2" Copper pipe										4,299.48				4,299.48	
Utilities	4" DIP		to stadium buildings								41.44				2,486.52	
Utilities	6" DIP										28.76				23,007.35	
Utilities	8" DIP										34.57				6,914.64	
Utilities	6" Valve w/ post indicator										46.72				130,804.37	
Utilities	8" Valve w/ post indicator										1,419.51				8,517.04	
Utilities	Tee										1,694.67				20,335.98	
Utilities	Elbow										837.09				5,022.57	
Utilities	Fire hydrant										757.12				7,571.24	
Utilities	Joint restraint, 8"										2,488.38				9,953.51	
Utilities	Thrust blocks										294.11				45,751.07	
Utilities	Excavation & backfill										168.29				3,365.70	
Utilities	Pipe bedding										2,573.00				51,617.47	
Utilities	Spoils removal										257.00				7,643.04	
Utilities											18.64				9,594.40	
Utilities	Sanitary Sewer Systems															
Utilities	Manholes, precast															
Utilities	Manholes, dog house										1,966.26				11,797.58	
Utilities	Cleanout										2,527.78				2,527.78	
Utilities	4" PVC										289.35				1,157.42	
Utilities	6" PVC										5.26				210.24	
Utilities	8" PVC										60.00				457.48	
Utilities											13.80				27,509.86	
Utilities	Excavation & backfill										1,240.00				24,878.61	
Utilities	Pipe bedding										124.00				3,683.79	
Utilities	Spoils removal										248.00				4,624.31	

Report: REVISID 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									
Drawings Dated 11/20/2017											
								Slab on Grade		122649.00	
								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 Loaded	Raw Unit Cost Equipment	Total Unit Cost Extension	Raw Extension Equipment	Loaded Extension + Taxes & Brdn
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Utilities	Storm Sewer Systems Allowances															
Utilities	SWM detention and treatment	allowance			1	LS						156,349.63		156,349.63		
Utilities	Cleanout for rain leader				8	EA						289.35		2,314.84		
Utilities	Grate inlet				40	EA						1,378.42		55,136.89		
Utilities	Curb inlet, top only, add manhole				16	EA						2,617.51		41,880.18		
Utilities	Manholes, precast, 48"				16	EA						4,305.11		68,881.73		
Utilities	Onsite raingarden	allowance			4	EA						48,152.69		192,610.75		
Utilities	Rip rap				200	TNS						45.99		9,198.73		
Utilities	6" PVC				3,000	LF						7.62		22,873.88		
Utilities	12" RCP				800	LF						32.58		26,065.19		
Utilities	15" RCP				2,000	LF						38.43		76,857.19		
Utilities	18" RCP				800	LF						46.18		36,943.87		
Utilities	21" RCP				500	LF						53.53		26,764.30		
Utilities	24" RCP				600	LF						63.14		37,883.51		
Utilities	30" RCP				500	LF						104.81		52,405.76		
Utilities	36" RCP				460	LF						126.97		58,405.73		
Utilities	Excavation & backfill				7,001	CY						20.06		140,439.94		
Utilities	Pipe bedding				700	CY						29.70		20,795.05		
Utilities	Spoils removal				1,400	CY						18.64		26,104.28		
Utilities	Tie into storm at park															
Utilities	Allowance				1	LS						11,694.22		11,694.22		
Utilities	Subtotal															
Utilities	Sales taxes															
Utilities	Payroll brdn															
Utilities																
Utilities	SC MU	OH & P	on self performed work													
Utilities	UTILITIES WORK Div. TOTAL													2,021,658.81		

Project Mark-Ups	MARK-UPS															
Project Mark-Ups	Subtotals															45,469,752.91
Project Mark-Ups	OH & profit				4.75%											2,159,813.26
Project Mark-Ups	Subtotal															47,629,566.18
Project Mark-Ups	Bonds				1.00%											476,295.66
Project Mark-Ups	Subtotal															48,105,861.84
Project Mark-Ups	Insurance				0.42%											202,044.62
Project Mark-Ups	Subtotal															48,307,906.46
Project Mark-Ups	Contingency				15.00%											7,246,185.97
Project Mark-Ups	Subtotal															55,554,092.43
Project Mark-Ups	Escalation				9.00%											4,999,868.32
Project Mark-Ups	Subtotal															60,553,960.75
Project Mark-Ups	Local taxes				0.13%											78,720.15
Project Mark-Ups	TOTAL				33.35%											60,632,680.90

Report: REVISIED 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	City of Harrisonburg - New High School	Client: Grimm & Parker	Chckd by: bd/sm	Date [Revised]	Acres buildable	45.00										
Location: Harrisonburg, Virginia	Harrisonburg, Virginia	Owner/Dept: HPS	D&S Job no.: 112017	platform rev.: 2017												
Addl Ref: Drawings Dated 11/20/2017	City of Harrisonburg	Owner/Entity: City of Harrisonburg		©Downey & Scott 2017	Slab on Grade	122649.00										
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					TOTAL New Add GSF	187955.00										
					TOTAL Comb. GSF	187955.00										
					Raw Unit Cost	Total Unit Cost										
Description	D1	D2	D3	D4	Q1	UT	Assem UC	Raw Unit Cost	Raw Extension	Raw Unit Cost	Raw Extension	Total Unit Cost	Raw Unit Cost	Total Unit Cost	Raw Extension	Loaded Extension
					Quantity	US	UM	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	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															
Football	Payroll_brdn		0.06	for material and equipment												
Football				0.42	labor burden											
Football	Subtotal															
Football	MARK-UPS															
Football	Subtotals															
Football	OH & profit				4.75%											4,642,052.84
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