STAT BOX Verify w designer Prep by: ja/mvd Chckd by: bd/sm D&S Job no.: 112017 LAN ref: Report: Project: Date [subm]: December 7, 2017 Date [Revised] 45.00 Concept Design Cost Estimate Status: Concept / Schematic Design Acres buildable Client: Grimm & Parker
Owner/Dept: HPS City of Harrisonburg - New High School Harrisonburg, Virginia Drawings Dated 11/20/2017 Location: Addl Ref: platform rev. 2017 ©Downey & Scott 2017 122649.00 Owner/Entity: City of Harrisonburg Slab on Grade 65306.00 Slab on Deck 2017 © Downey & Scott LLC. Expressly Reserves Its Common Law And Other Property Rights In This Estimate. Ithis 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. 187955.00 TOTAL New Add GSF 187955.00 TOTAL Comb. GSF
 Q1
 U1
 Assem UC
 Raw Unit Cost
 Raw Extension

 Quantity US
 UM
 to GC [US]
 Material
 Material
 Raw Unit Cost Labor Raw Extension Labor Total Unit Cost Loaded Raw Extension Equipment Loaded Extension +Taxes & Brdn

2018 DOLLARS PROJECT HARD CONSTRUCTION COST SUMMARY	SITE CONST	NEW CONST	NEW CONS
DIV# CSI DIVISION SUMMARY	SUBTOTAL	SUBTOTAL	COST per SF
DIV# CSI DIVISION SUMMARY	SUBTUTAL	SUBTUTAL	COST per Sr
1.00 GENERAL REQUIREMENTS		\$1,452,390	\$7.7
2.00 EXISTING CONDITIONS DEMOLITION	\$36,748		\$0.2
3.00 CONCRETE		\$1,512,152	\$8.0
4.00 MASONRY		\$2,149,610	\$11.4
5.00 METALS 6.00 WOOD, PLASTICS & COMPOSITES	ļ	\$3,726,776 \$176,021	\$19.8 \$0.9
6.00 WOOD, PLASTICS & COMPOSITES 7.00 THERMAL & MOISTURE PROTECTION	 	\$2,207,084	\$0.9 \$11.7
8.00 OPENINGS / DOORS AND WINDOWS	†	\$2,515,949	\$13.3
9.00 FINISHES	1	\$2,823,964	\$15.0
10.00 SPECIALTIES		\$1,052,873	\$5.6
11.00 EQUIPMENT		\$2,521,977	\$13.4
12.00 FURNISHINGS		\$1,334,740	\$7.1
13.00 SPECIAL CONSTRUCTION 14.00 CONVEYING EQUIPMENT		\$0	\$0.0 \$0.7
14.00 CONVEYING EQUIPMENI 21.00 FIRE SUPPRESSION		\$139,921 \$732,276	\$0.7
21.00 FILUMBING		\$2,022,958	\$10.7
23.00 HEATING, VENTILATION & AIR CONDITIONING		\$6,657,321	\$35.4
26.00 ELECTRICAL	1	\$3,725,819	\$19.8
27.00 COMMUNICATIONS		\$1,363,946	\$7.2
28.00 ELECTRONIC SAFETY & SECURITY		\$687,227	\$3.6
31.00 EARTHWORK ALLOWANCE	\$2,215,279		\$11.7
32.00 EXTERIOR IMPROVEMENTS ALLOWANCE 33.00 UTILITIES ALLOWANCE	\$4,170,803 \$2,021,659		\$22.1 \$10.7
33.00 UTILITIES ALLOWANCE ADDITIONAL SITE SCOPE ALLOWANCE	\$2,021,059	+	\$10.7
SUBTOTALS	\$8,834,646	\$36.803.005	
OVERHEAD & PROFIT 4.75%	\$419.646	\$1,748,143	
SUBTOTAL	\$9,254,292	\$38,551,147	
BONDS 100% perf & lab/matl payment bond 1.00%	\$92,543	\$385,511	
SUBTOTAL	\$9,346,834	\$38,936,659	
INSURANCE Bldr's Risk 0.42%	\$39,257	\$163,534	
SUBTOTAL ESTIMATE DESIGN SCOPE CONTINGENCY 15.00% for site 10.00% for building	\$9,386,091 \$1,407,914	\$39,100,193 \$3,910,019	
ESTIMATE DESIGN SCOPE CONTINGENCY 15.00% for site 10.00% for building SUBTOTAL	\$1,407,914	\$43.010.212	
ESCALATION TO MIDPT to construction midpoint 9.00% Midpoint 2019	\$971,460	\$3,870,919	
SUBTOTAL SUBTOTAL	\$11.765.465	\$46,881,131	
GROSS RECEIPTS TAX ON VIRGINIA STATE PROJECTS ONLY 0.13%	\$15,295	\$60,945	
SUBTOTALS SITE & BUILDING BASE BID 33.35% COMPOUNDED PERCENTAGE	\$11,780,760	\$46.942.077	\$249.7
TOTAL BASE BID BUILDING & SITE COMBINED	\$11,700,700	\$58,722,837	\$312.4
ADD 16 CLASSROOMS TO BASE BID 17.631.00 GSF \$249.75		\$4,403,372	*******
SUBTOTAL		\$63,126,209	
CONSTRUCTION CONTINGENCY 5,00%		\$3,156,310	
TOTAL BASE BID BUILDING & SITE COMBINED WITH CONSTRUCTION CONTINGENCY		\$66,282,519	
ADDITIVE ALTERNATE - FOOTBALL STADIUM	ADD	\$5,920,919	
ADDITIVE ALTERNATE - GEOTHERMAL HEAT PUMP HVAC SYSTEM 189,957 GSF note Includes building size increase of 2002 GSF	ADD	\$5,974,560	
ADDITIVE ALTERNATE - AUXILARY GYM 6,400 GSF	ADD	\$1,548,800	
ADDITIVE ALTERNATE - SIGNALIZATION AT ACCESS RD	ADD	\$126,500	
ADDITIVE ALTERNATE - SECOND ACCESS ROAD & ENTRANCE note - includes allowances for C&G plus SWM pipe & structure	s ADD	\$526,470	
TOTAL BASE BID AND ADD ALTERNATES		\$80,379,767	

Project: City of Harrisonburg - New High School Client: Grimm & Parker Location: Harrisonburg, Virginia Owner/Dept: HPS						Prep by: Chckd by: D&S Job no.: LAN ref:	ja/mvd bd/sm 112017	Date [subm]: Date [Revised] platform rev. 2017	December 7, 2017	©Downey & Scott 2017		STAT BOX Acres buildable Slab on Grade Slab on Deck	Verify w designer 45.00 122649.00 65306.00		
Be Reproduced, Changed Or								sent Of Downey &	Scott LLC.						
														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		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

Gen Cond	GENERAL CONDITIONS	GC Self Performed			
Gen Cond	Office Business Management (Barrens)	Mist Divers Business			
Gen Cond	Office Project Management (Personal Time. Not Assoc With Normal Inner Of				
Gen Cond Gen Cond	Project Executive pro rated	nce Overneau)	2.40 MOS	8,313.60	19,952.64
Gen Cond	Senior Project Manager pro rated		8.00 MOS	7,967.20	63,737.60
Gen Cond	Asst. Project Manager pro rated		12.00 MOS	6,235.20	74,822.40
Gen Cond					
Gen Cond	Field Supervision				
Gen Cond	Onsite Project Superintendent		24.00 MOS	7,620.80	182,899.20
Gen Cond	(2) Assistant Project Superintendent		48.00 MOS	6,928.00	332,544.00
Gen Cond	Super's laborer		24.00 MOS	3,464.00	83,136.00
Gen Cond					
Gen Cond	Super's equipment				
Gen Cond	Super's pick-up truck		24.00 MOS	545.00	13,080.00
Gen Cond	Super's small tool package gang box		24.00 MOS	122.00	2,928.00
Gen Cond					
Gen Cond	Trailers temporary				
Gen Cond	Trailer field office GC rental		24.00 MOS	550.00	13,200.00
Gen Cond	40' trailer field stor rental	(2) units	24.00 MOS	376.25	9,030.00
Gen Cond	GCTrailer set-up		1.00 EA	262.50	262.50
Gen Cond					
Gen Cond	Toilets temporary				
Gen Cond	Toilet temporary rental	(4) units	24.00 MOS	392.00	9,408.00
Gen Cond	Toilet del/set/rtrn		2.00 LS	105.00	210.00
Gen Cond					
Gen Cond	Site graphics temporary				
Gen Cond	Sign project inst & rem custom		1.00 EA	450.00	450.00
Gen Cond	Sign GC inst & rem pro-rata		1.00 EA	250.00	250.00
Gen Cond	Bulletin bd GC inst & rem pro-rata		1.00 EA	250.00	250.00
Gen Cond					
Gen Cond	Utilities temporary				
Gen Cond	Phone usage office		24.00 MOS	155.00	3,720.00
Gen Cond	Phone usage mobile Cell		24.00 MOS	165.00	3,960.00
Gen Cond	Internet access		24.00 MOS	79.00	1,896.00
Gen Cond	Elec serv connection		24.00 MOO	70.00	1,000.00
Gen Cond	Elec serv phase 1 trailer		24.00 MOS	100.00	2,400.00
Gen Cond	Temp Heat		12.00 MOS	1,250.00	15,000.00
Gen Cond	remp rieat		12.00 WOS	1,230.00	13,000.00
	Services by GC [or designated sub]				
Gen Cond	CPM as-planned schedule		1.00 LS	4.200.00	4,200.00
Gen Cond	CPM schedule updates		23.00 MOS	425.00	9,775,00
Gen Cond	Surveyor existing utility survey		1.00 LS	425.00 11,500.00	11,500.00
Gen Cond			1.00 LS 1.00 LS	21,000.00	21,000.00
Gen Cond	Surveyor stake-out site				
Gen Cond	Surveyor stake-out building		1.00 LS	9,500.00	9,500.00
Gen Cond	Surveyor stake-out curb & gutter		1.00 LS	7,000.00	7,000.00
Gen Cond	Surveyor as built		1.00 LS	8,000.00	8,000.00
Gen Cond	GC photos Digital Camera and Pics		1.00 EA	1,200.00	1,200.00

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Materia Loaded Extension Protection temporary 1.00 LS 8,500.00 8,500.00 Winter protection Safety misc allowance 1.00 LS 6,500.00 6.500.00 Fencing rental contract 6,000 LF 9.38 56,250.00 Clean-up & Punchlist 34,380.00 955.00 2x per month 36.00 EA Clean streets machine Final punchlist 1.00 LS 1.750.00 1.750.00 187,955.00 GSF 0.16 30,072.80 Final clean-up cleaning subcontractor 40.00 HRS Final clean-up laborer 18.50 740.00 Gen Cond 2 pull / Month 48.00 PULL 34,800.00 725.00 Dumpster 30 CY general use rental By Owner Office supplies & repro 1.00 LS 3,000.00 3.000.00 Office supplies 1.00 LS 1,250.00 1,250.00 As-built sepias corrections by super 1.00 LS 5,000.00 5,000.00 Dwg. and Doc. Reproduction inc. Doc.s for Subs 1.00 LS 3.500.00 3.500.00 GC Mobilization / Demobilization 1.00 LS 15,000.00 15,000.00 Subtotal 6.00% for material and equipment 17,452.74 17,452.74 Sales taxes Payroll brdn 42.00% labor burden 338,383.54 338,383.54 **GENERAL CONDITIONS Div. TOTAL** 1,461,890.42 **EXISTING CONDITIONS / DEMO** Exist. Cond Exist. Cond Exist. Cond Exist. Cond Exist. Cond Site Demolition Allowances Concrete curb 100 LF 3.75 374.71 Exist. Cond Asphalt pavement 2000.00 222 SY 5.99 1,331.66 Exist. Cond 80 LF 2.23 178.75 Exist. Cond Saw cut asphalt Misc site demo 200 CY 63.50 12,699.10 Exist. Cond CY of site debris for landfill disposal 200 CY Exist. Cond CY of concrete and asphalt for recycling 81 CY Exist. Cond Exist. Cond Haul/Dispose of Site Debris Cycle Time in Hours Exist. Cond Dump truck to landfill 2 axle/10 CY 40 EHR 112.24 4.489.53 Evist Cond 2 200 CY 15,845.40 Exist. Cond Dump fees assume 1 ton per CY 79.23 Dump truck to recycling facility 2 axle/10 CY 2 16 EHR 112.24 1,829.07 Exist. Cond Exist. Cond Exist. Cond Subtotal Exist. Cond Exist. Cond Sales taxes 6.00% for material and equipment Exist. Cond Payroll brdn 42.00% labor burden Exist. Cond Exist. Cond OH & P on self performed work Exist. Cond EXISTING CONDITIONS DIV. TOTAL 36,748.23 Exist. Cond

Gen Cond Gen Cond

Gen Cond

Gen Cond

Gen Cond Gen Cond

Gen Cond Gen Cond Gen Cond

Gen Cond

45.00

122649.00

65306.00

187955.00

187955.00

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	CONODETE	CACT IN DUAC	_	0		
Conc Foundations	CONCRETE	CAST IN PLAC	E	Subcontracted		
Conc Foundations	CIP Foundations					
Conc Foundations						
Conc Foundations					13.33	CY
Conc Foundations			LF Of Wall	Total SF		
Conc Foundations						
Conc Foundations	Con't Exterior Footing C				Concrete	Total Lf
Conc Foundations	MARK/Rebar Sz	Length	Width	Depth	Cubic Yds	Rebar
Conc Foundations	Ext wall	2,657.00	3.00	1.00	295.22	5,420
Conc Foundations	Coult Interior Feeting (T	iskanad Call-			Concrete	Total Lf
Conc Foundations	Con't Interior Footing/TI MARK/Rebar Sz	Length	Width	Depth	Concrete Cubic Yds	Rebar
		1,840.00	2.00	1.00		3,754
Conc Foundations Conc Foundations	шк	1,040.00	2.00	1.00	130.30	3,734
Conc Foundations	Column Footing Calcula	tor			Concrete	Total Lf
Conc Foundations	Count	Length	Width	Depth	Cubic Yds	Rebar
Conc Foundations	74.00		6.00	1.00		3,552
Conc Foundations	60.00		8.00	1.00		3,840
Conc Foundations	00.00		3.00		2.22	_,0.0
Conc Foundations	Column Piers Calculato				Concrete	Total Lf
Conc Foundations	Count	Height	Width	Depth	Cubic Yds	Rebar
Conc Foundations	134.00		1.50	2.00		2,010
Conc Foundations	134.00	. 1.50	1.50	2.00	22.00	_,010
Conc Foundations	Backfill machine col ftgs a	and con't wall ftas			125.05	CY
Conc Foundations	Backfill hand col ftgs				27.79	
Conc Foundations						
Conc Foundations	Backfill Interior					
Conc Foundations	Int backfill by conc sub us	ing onsite earth m	naterials		291.79	CY
Conc Foundations	•	-				
Conc Foundations	Foundation Formwork					
Conc Foundations	Formwork footings Col for	otings			719.28	SF
Conc Foundations	Formwork footings Cont v				2,582.60	SF
Conc Foundations	Formwork Col Piers	=			1,139.00	SF
Conc Foundations						
Conc Foundations	Foundation Reinforceme	ent				
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	
Conc Foundations	Chairs and Accessories				0.21	TNS
Conc Foundations						
Conc Foundations	Foundation Placement					
Conc Foundations	Place con't exterior wall for	ootings		3,000 PSI	295.22	
Conc Foundations	Place column footings	=		3,000 PSI	98.67	
Conc Foundations	Place thickened slab/wall	footings		3,500 PSI	136.30	CY
Conc Foundations	Place Col Piers	-		3,000 PSI	22.33	CY
Conc Foundations					552.52	
Conc Foundations	Pumping & / or Mechani	cal Placement				
Conc Foundations	Pumping premium per CY				552.52	CY
Conc Foundations	- · · · ·					
Conc Foundations	Misc Foundation Items					
Conc Foundations	Accessories misc			allowances	1.00	LS
Conc Foundations				allowances	1.00	
Conc Foundations	·					

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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

			٨				
Conc SOG							
Conc SOG	Slab-On-Grade			122,649.00 GSF			
Conc SOG							
Conc SOG	SOG Prep.						
Conc SOG	Fine grade to subgrade			122,649.00 SF		0.32	39,007.94
Conc SOG	Perim insul 2" polystyren	e		10,628.00 SF		1.12 35.64	11,875.13
Conc SOG Conc SOG	Porous fill gravel Moist barrier			2,189.28 TNS 128,781.45 SF		1.59	78,029.56 204,791.67
Conc SOG	Joints control sawn			6,132.45 LF		0.87	5,316.69
Conc SOG	conto control cann			0,102.10 2.		0.07	0,010.00
Conc SOG	Formwork						
Conc SOG	Formwork diamonds			592.00 SF		5.71	3,379.76
Conc SOG		_					
Conc SOG	Slab-On-Grade Reinfor			100 704 45 05		0.74	04.004.00
Conc SOG	Mesh 6x6 - W2.0xW2.			128,781.45 SF		0.71	91,864.89
Conc SOG Conc SOG	Bar #	Unit weight Lbs per foot		Total LF			
Conc SOG	4	0.668		3605.88			
Conc SOG	Black stl small quant	0.000		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							
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 Conc SOG	Isolation boxes at colum	ns	74.00	5.48 CY 1,867.93		261.77	1,434.87
Conc SOG	Pumping & / or Mechan	ical Placement		1,007.93			
Conc SOG	Pumping premium per C			1,867.93 CY		20.17	37,684.15
Conc SOG							
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 Conc SOG	Additional specified reqs		allowance	1.00 LS		3,815.94	3,815.94
	Elevated Slabs and Sla	h On Dook El OODING		65,306.00 GSF			
Conc SOD				65,306.00 GSF			
Conc SOD	Slab-On-Deck Reinford						
Conc SOD	Mesh 6x6-10/10 W1.4/W	1.4 SOD		69,093.75 SF		0.54	37,239.77
Conc SOD							
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					_,	.,
Conc SOD	TODAT DIAGN SII			27.02 TONS			
	Discoment	See below for pumping		21.02 TONO			
Conc SOD	Placement	See below for pumping	2 E00 DCI	4 0E7 7E CV		100.01	250 472 20
Conc SOD	Place SOD		3,500 PSI	1,257.75 CY		198.91	250,173.39
Conc SOD	Place stair fill trd pans/In	ags,inci fin	3,500 PSI	19.07 CY		244.57	4,664.99
Conc SOD							
Conc SOD	Pumping	& / or Mechanical Placement	t				
Conc SOD	Pumping premium per C	Y		1,276.82 CY		20.17	25,758.92

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Materia Loaded Extension Conc SOD Slab-On-Deck Finishing Conc SOD 65,306.00 SF 0.58 37,725.74 Conc SOD Trowel slabs fine Conc SOD Trowel trds/risers incl above Conc SOD Protect & cure slabs 65.306.00 SF 0.06 4.238.87 Conc SOD Conc SOD Misc Accessories misc allowances 1.00 LS 4,886.70 4,886.70 Conc SOD Conc SOD Additional specified reqs allowances 1.00 LS 3.815.94 3.815.94 Conc SOD Conc Div Conc Div Conc Div Subtotal Sales_taxes 6.00% for material and equipment Conc Div Payroll_brdn 42.00% labor burden Conc Div Conc Div SC MU OH & P on self performed work Conc Div CONCRETE WORK Div. TOTAL 1,512,151.99 MASONRY Subcontracted Masonry Masonry Masonry Surveyed U/M Convert SF Extended Masonry Quantity US only to # units Quantity Regular brick Masonry Field Brick 52,942.00 SF 3.00 158,826.00 EA 3.63 575,873.76 Masonry Masonry HDMU 3,412.00 SF 1.13 3,855.56 EA 10.02 38,621.94 Masonry 56.354.00 162.681.56 Masonry Veneer mortar 1,138.77 BGS Brick & HDMU 162,681.56 EA 0.01 31.96 36,391.66 Masonry Sand, plain 1,138.77 Totl # bags 30.72 3,673.80 Masonry Masonry CMU backup Masonry 08/08/16 reg 12/08/16 reg 2,856.00 SF 1.13 3,213.00 EA 8.85 28,445.73 Masonry Masonry 48,476,00 SF 1.13 54 535 50 FA 12 20 665,486.09 Masonry Incorporate PC or CMU lintels w/ bond bms Masonry 08/08/16 Bond bm 158.75 SF 178.59 EA 8.29 1,479.65 Masonry 12/08/16 Bond bm 1,905.62 SF 1.13 2,143.82 EA 10.33 22,154.50 Masonry Masonry 53,396.37 3,213.00 Mortar Masonry 3,213.00 EA 96.39 BGS 1,892.73 Block 0.03 19.64 Masonry 96.39 Totl # bags 0.11 10.12 TNS 310.97 Sand, plain 30.72 Masonry Grout fill Bnd bm (6"-8") 158.75 SF 0.01 2.35 CY 226.43 532.51 35.29 CY Bnd bm (10"-12") 226.43 7.990.37 1.905.62 SF 0.02 Masonry 2,856.00 SF 0.003 8.57 CY 226.43 1,940.01 Masonry Walls (8") Walls (12") 48,476.00 SF 0.005 247.23 CY 226.43 55,978.57 Masonry Partition block 1,932.00 SF 2,173.50 EA 14,807.12 04/08/16 reg 1.13 6.81 Masonry 06/08/16 reg 2,720.00 SF 1.13 3,060.00 EA 7.80 23,872.68 Masonry 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 Masonry Masonry Partn bond beam Incorporate PC or CMU lintels w/ bond bms Masonry 113 39 SF 127.56 FA 7.07 901.76 Masonry 06/08/16 1.13 Masonry 08/08/16 1.594.13 SF 1.13 1.793.40 EA 8.40 15.071.50 12/08/16 117.39 SF 132.07 EA 10.33 1,364.79 1.13 Masonry

Report: Project: Location: Addl Ref:	REVISED DECEMBI Concept Design C City of Harrisonbi Harrisonburg, Vir Drawings Dated 1	urg - New H ginia	ligh School	Client: G	rimm & I PS		J	Prep by: Chckd by: D&S Job no. LAN ref:	ja/mvd bd/sm : 112017	Date [subm]: Date [Revised] platform rev. 2017	December 7, 2017	©Downey & Scott 2017		STAT BOX Acres buildable Slab on Grade Slab on Deck	Verify w design
2017 © Downey & Scott LLC Be Reproduced, Changed O	Expressly Reserves It Copied In Any Form C	s Common La Or Matter Wha	aw And Other Prope atsoever, Without F	erty Rights In This Es irst Obtaining The Ex	timate. /th press Wri	nis Estimate itten Permis	Is Not To sion And Cor	nsent Of Downey	& Scott LLC.					TOTAL New Add GSF	
														TOTAL Comb. GSF	
D1	D2	D3	D4		U1 Ass		Raw Unit Cost	Raw Extension	Raw Unit Cos		Total Unit	Raw Unit Cost	Total Unit Cost	Raw Extension	Loaded E
Description				Quantity US	UM to 0	GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+Taxes
			^												
Mortar	32,732.91			34,518.96											
Block	34,518.96 EA		0.03	1,035.57 B	GS.						19.64		20,334.64		
Sand	1,035.57 Tot		0.03	108.73 T							30.72		3,340.86		
	1,000.07 100	Dago	3.11	.00.70 11							30.72		0,0.00		
Grout fill															
Bnd bm (6"-8")	1,707.52 SF		0.01	25.30 C							226.43		5,727.79		
Walls (8")	18,912.00 SF		0.003	56.74 C	Υ						226.43		12,846.46		
Substructure															
Foundation block															
06/08/16 reg	5,256.63 SF		1.13	5,913.71 E	Α						7.80		46,135.94		
08/08/16 reg	5,256.63 SF		1.13	5,913.71 E							8.85		52,355.95		
•	10,513.25			11,827.41											
Mortar															
Block	11,827.41 EA		0.03	354.82 B							18.48		6,557.52		
Sand	354.82 Tot	ı # bags	0.11	37.26 TI	NS						29.26		1,090.19		
Grout fill solid															
Walls (6-8")	10.513.25 SF		0.250	97.34 C	Υ						226.43		22.041.35		
(0 0 /	.0,0.0.20 01		3.200	37.34 0							220.40		,0 .1.00		
Flashing															
Membrane flashing	2,657.00 LF		1.33	3,533.81 S	F						0.49		1,741.57		
Matalastat															
Metal reinf Ext wall durowall	53,396.37 SF		0.67	35.775.56 LI	_						0.62		22.039.10		
Int partn durowall	32,615.52 SF		0.67	21,852.40 LI							0.62		3,365.48		
int partir durowan	32,013.32 GF		0.07	21,002.40 LI							0.13		3,303.40		
		Bar #	Unit weight												
			Lbs per foot	Total LF		ounds									
		4	0.668	27632.80		8458.71									
Mas rebar			18,458.71	9.23 TI							3,203.65		29,567.66		
Miscellaneous				9.22 To	ONS										
Cavity Insul, 2"	56,354.00 SF														
Parging, 1"	5,256.63 SF			5.256.63 S	F						0.61		3.223.01		
Brick Clean mas	162,681.56 EA			162,681.56 E							0.05		7,938.67		
CMU Clean mas	34,518.96 EA			34,518.96 E	A						0.12		4,135.12		
Scaffolding	89,086.91 SF			89,086.91 S							1.00		89,181.47		
Forklift rental	20.00 WK			20.00 W							770.05		15,400.94		
Patch days	2.00 WK		W-11	2.00 E							385.77		771.54		
Saw blade	4.00 EA		"diamond"	4.00 E							315.72		1,262.88		
Masonry Dumpsters	20.00 PU	LLO		20.00 P	ULLO						753.11		15,062.12		
Subtotal															
Sales taxes	6.00% for	material an	d equipment												
Payroll_brdn	42.00% lab														
=															
SC MU	OH & P on	self perform													

Report: Project: Location: Addl Ref:		gn Cost Estimate onburg - New Hig , Virginia		Status: Client: Owner/Dept: Owner/Entity:	Grimm HPS	ot / Schema & Parker Harrisonbu	J	Prep by: Chckd by: D&S Job no.: LAN ref:	ja/mvd bd/sm 112017	Date [subm]: Date [Revised]	December 7, 2017	©Downey & Scott 2017		Acres buildable Slab on Grade	Verify w designer 45.00 122649.00
2017 © Downey & Scott LLC. Be Reproduced, Changed Or								sent Of Downey 8	Scott LLC.					Slab on Deck TOTAL New Add GSF	65306.00 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

	Description				Quantity US	UM t	0 GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	
				^	•						•				
Metals	METALS	Subcontracte	d												
Metals					Quantity										
Metals															
Metals	Floor frame - Note: Cost														
Metals	[1st] fl - [] fl cols	65,306.00				TNS						3,556.58		243,879.34	
Metals	Horiz flr frm	65,306.00	9.50		310.20	INS						3,556.58		1,103,263.68	
Metals	Roof frame - Note: Cost	ina Misa Staal	and Motal Docki	200											
Metals	[Roof] Lvl cols	122,649.00			128.78	TNC						3,556.58		458.021.58	
Metals	Rf frame	122,649.00			377.15							3,449.74		1.301.055.64	
Metals Metals	Rillame	122,049.00	0.13		377.10	INS						3,448.74		1,301,033.04	
Misc. Metals	MISCELLANEOUS META	LS		Subcontracted	d										
Misc. Metals															
Misc. Metals	Misc shop fabrications					TNO						0.000 77		40.000.44	
Misc. Metals Misc. Metals	Curtainwall anchors Steel lintel assemblies con	ordinato w/otr at	1	725.00		TNS TNS						3,262.77 3,262.77		13,899.41 8.042.74	
Misc. Metals	Elev hoist beam	ordinate w/str st	W8 x 15	15.00		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							60.07		720.88	
Misc. Metals	Roof Steel ladder bolted in Folding partns hanging stl	ncl cage		174.25	16.00) LF) TNS						143.60 3.646.44		2,297.60 12.707.84	
Misc. Metals Misc. Metals	Folding partns threaded ha			174.25	87.13							55.21		4.809.95	
Misc. Metals	Misc. requirements	angoro			1.00	LS						26,250.81		26,250.81	
Misc. Metals	Shop Drawings				1.00	LS						10,163.77		10,163.77	
Misc. Metals	C1-1														
Misc. Metals Misc. Metals	Stairs Metal pan Fabricated Stair	rs 5' wide Tread	le		160.00	FΔ						419.51		67.122.37	
Misc. Metals	Metal pan	landings	.5		1,324.00							67.18		88,939.89	
Misc. Metals		-													
Misc. Metals Misc. Metals	Monumental Stairs at Con	nmons	allowance include	es railings	1.00	LS						134,017.94		134,017.94	
Misc. Metals Misc. Metals															
Misc. Metals	Railings	utility													
Misc. Metals	Wall mntd			single rail	227.20							81.09		18,423.82	
Misc. Metals Misc. Metals	Flr mntd Decorative Railing		1 1/2" dia	3 rail	243.20 112.00							103.46 210.33		25,162.08 23.556.46	
Misc. Metals	Flr mntd	galv stl			112.00							116.25		13,020.15	
Misc. Metals		g												,	
Misc. Metals															
Metals Metals	Subtotal Sales taxes	6 00%	for material and	aquinment											
Metals	Payroll brdn		labor burden	equipment											
Metals															
Metals	CC MII	OH & B	an aalf nauf	بالمساد الم											
Metals Metals	SC MU METALS WORK Div. TO	OH & P	on self performe	eu work										3,556,290.74	
motoro														5,000,200.74	

	Report: Project: Location: Addl Ref:	City of Harriso Harrisonburg, Drawings Date	gn Cost Estimate onburg - New Hig Virginia ed 11/20/2017	gh School	Status: Client: Owner/Dept: Owner/Entity:	Grimi HPS City o	ept / Schematic De m & Parker of Harrisonburg	J	Prep by: Chckd by: D&S Job no.: LAN ref:	ja/mvd bd/sm : 112017	Date [subm]: Date [Revised platform rev. 2017	December 7, 2017	©Downey & Scott 2017		STAT BOX Acres buildable Slab on Grade Slab on Deck
	2017 © Downey & Scott LLC. Be Reproduced, Changed Or								ent Of Downey &	& Scott LLC.					TOTAL New Add GSF
	Description D1	D2	D3	D4	Q1 Quantity US			Unit Cost aterial	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
t Ga. Mtls	LGSSF Framed Walls Table Insert LF > Track 6" -18 Ga Stud 6" -18 Ga Exterior Sheeting Qty.	LF 1,947.00	Ht 14.67	Spacing 1.33		9) LF 2 LF						4.7 5.4 Refer to Wood and P	7	19,330.46 131,556.65	
t Ga. Mtls	LGSSF LGSSF Coordinated construction of Exterior	welding eq & c		LF) Wks						0.1 454.7 3,459.2 0.3	6 2	4,265.86 2,728.57 3,459.22 9,144.34	7 <u>2</u>
t Ga. Mtls t Ga. Mtls t Ga. Mtls t Ga. Mtls t Ga. Mtls t Ga. Mtls	Subtotal Sales_taxes Payroll brdn	42.00%	for material and labor burden												
t Ga. Mtls t Ga. Mtls	SC MU LIGHT GAGE METALS W	OH & P ORK Div. TOTA	on self performe AL	ed work										170,485.10)
d/Plastics d/Plastics	WOOD, PLASTICS & COI	MPOSITES		GC Self Perfo	ormed										
d/Plastics d/Plastics d/Plastics	Hardware Anchor bolts	rough, incl mise parapet	c fasteners			D LS 5 EA						2,566.2 3.6		2,566.25 1,294.32	
d/Plastics d/Plastics d/Plastics d/Plastics d/Plastics	Roof Blocking Pressure treated lumber 2x6 gr 2 2x12 gr 2				8,638.67 1,645.46							1.3 2.5		11,740.24 4,226.84	
d/Plastics d/Plastics d/Plastics d/Plastics	Dens Glass Gold insulati in a water- 5/8" x 4' x 8'	ing exterior she resistant treate	eathing. Glass m d gypsum core v	at embedded vith bond-enha	ancing gold prin 30,161.99		nting					2.1	9	66,066.79)
d/Plastics d/Plastics d/Plastics d/Plastics d/Plastics d/Plastics d/Plastics	Interior Carpentry Built-in wood framed / Glas Blocking Blocking Solid Surface window stoo	toilet accessori total Building S	ies		750.00 58.00 187,955.00 196.00	#BR GSF						76.3 71.9 0.0 79.2	1 7	57,287.33 4,170.67 13,142.58 15,526.19	7 3
d/Plastics d/Plastics d/Plastics d/Plastics d/Plastics	Subtotal Sales_taxes Payroll_brdn	42.00%	for material and labor burden												
d/Plastics d/Plastics	SC MU WOOD, PLASTICS & COI		on self performe TOTAL	ea work										176,021.21	l

Verify w designer

122649.00 65306.00

187955.00

187955.00 Loaded Extension +Taxes & Brdn

Report:		gn Cost Estimate		Status:		pt / Schema	tic Design	Prep by:			December 7, 2017			STAT BOX Acres buildable	Verify w designer 45.00
Project: Location:	Harrisonburg,		in School	Owner/Dept:	HPS	1 & Parker		Chckd by: D&S Job no.:		Date [Revised] platform rev. 2017		©Downey & Scott 2017			
Addl Ref:	Drawings Date	ed 11/20/2017		Owner/Entity:	City o	Harrisonbu	rg	LAN ref:						Slab on Grade	122649.00
														Slab on Deck	65306.00
2017 © Downey & Scott LLC.	Expressly Reserv	es Its Common Law	And Other Prop	perty Rights In This	Estimat	e. /this Estima	te Is Not To								
Be Reproduced, Changed Or	Copied In Any Fo	rm Or Matter Whats	oever, Without	First Obtaining The	Express	Written Perm	ission And Cons	sent Of Downey 8	Scott LLC.						
_															
														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

		^			
Therm/Moisture Therm/Moisture	THERMAL & MOISTURE PROTECT	Subcontracted	i		
Therm/Moisture	Misc roofing				
Therm/Moisture	Roof scuttle		1.00 EA	1,301.05	1,301.05
Therm/Moisture	Walkway pads	allowance	1,200.00 SF	2.57	3,081.25
Therm/Moisture	Skylight			None indicated	
Therm/Moisture	Perim insul, 2" polystyrene		10,628.00 SF	See SOG Conc. Div.	
Therm/Moisture					
Therm/Moisture	Exterior Wall Insulation				
Therm/Moisture	Spray Foam Insulation		83.103.99 SF	3.58	297.458.54
Therm/Moisture	Batt foil faced 6"		30.161.99 SF	0.99	29,871.89
Therm/Moisture	Datt foil faced o		30,101.99 31	0.33	29,071.09
Therm/Moisture	Fluid Vapor and Moisture Barrier				
Therm/Moisture	Fluid Applied 40-60 mil Vapor & Moisture Barrier		83,103.99 SF	2.04	169,370.78
Therm/Moisture	Tala Applica 40 00 mil Vapor a Moistare Barrier		00,100.00 01	2.04	100,070.70
Therm/Moisture	Membrane Roofing				
Therm/Moisture	Roofing System Fully Adhered				
Therm/Moisture	White EPDM		122.649.00 SF	4.19	513,292,88
Therm/Moisture	Bonding adhesive		122,649.00 SF	0.95	116,739.47
Therm/Moisture	Membrane Roofing parapet and edge details		2,371.00 LF	13.10	31,068.59
Therm/Moisture	Roof warranty 30 year sys incl LM		122,649.00 SF	0.26	31,621.70
Therm/Moisture					
Therm/Moisture	Insulation roofing				
Therm/Moisture	Poly iso thickness 3inch		122,649.00 SF	3.21	393,227.81
Therm/Moisture	Cover board 1/2" quantity		122,649.00 SF	0.91	111,167.14
Therm/Moisture	Tapered crickets quantity moderate	allowance	24,529.80 SF	1.76	43,065.12
Therm/Moisture	Angled cant strips		2,371.00 LF	2.42	5,727.67
Therm/Moisture					
Therm/Moisture	Mtl Panels, Sandwich Panels, Cladding & Misc Sys				
Therm/Moisture	Metal wall panels		6,576.00 SF	14.45	95,048.41
Therm/Moisture	Insulated metal panel at curtainwall glass			Refer to Div. 8	
Therm/Moisture					
Therm/Moisture					
Therm/Moisture	Flashing & sheet metal		0.007.00 LE	45.00	40,000,00
Therm/Moisture	Composite preformed metal panel type 2		2,837.00 LF	15.29	43,386.83
Therm/Moisture	Mino				
Therm/Moisture Therm/Moisture	Misc Roof drains additional work flashing / tapers etc.	allowance	35.00 EA	55.87	1.955.39
Therm/Moisture	Pre Engineered canopies	allowarice	1.414.00 SF	33.84 37.84	53,500.63
Therm/Moisture	Te Engineered canopies		1,414.00 31	37.54	33,300.03
Therm/Moisture	Firestopping				
Therm/Moisture	All penetrations piping/ductwork/chase etc.		187,955.00 SF	0.44	81,968.08
Therm/Moisture	,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,,,,,,,,
Therm/Moisture	Sealants				
Therm/Moisture	Sealants Total Interior Building System		187,955.00 GSF	0.19	35,837.73
Therm/Moisture	Sealants Total Exterior Building System		187,955.00 GSF	0.41	77,267.02
Therm/Moisture					
Therm/Moisture	Fireproofing				
Therm/Moisture	Deck & Beams	allowance	133,008.00 GSF	0.53	71,126.13
Therm/Moisture					
Therm/Moisture					
Therm/Moisture	Subtotal				
Therm/Moisture	Sales taxes 6.00% for material and	d equipment			
Therm/Moisture	Payroll brdn 42.00% labor burden				
Therm/Moisture					
Therm/Moisture Therm/Moisture	SC MU OH & P on self perform	ned work			
Therm/Moisture	THERMAL AND MOISTURE WORK Div. TOTAL	ica work			2,207,084.11
. Act in principle in the control of					2,207,007.11

	Report: Project: Location: Addl Ref: 2017 © Downey & Scott LLC. Be Reproduced, Changed Or	City of Harriso Harrisonburg, Drawings Date Expressly Reserv	gn Cost Estimate onburg - New Hig Virginia ed 11/20/2017 es Its Common Law	jh School v And Other Proj		Estimate. /t	Parker rrisonburç nis Estimate	g Is Not To	Prep by: Chckd by: D&S Job no.: LAN ref:		Date [subm]: Date [Revised] platform rev. 2017	December 7, 2017	©Downey & Scott 2017		STAT BOX Acres buildable Slab on Grade Slab on Deck	Verify w designer 45.00 45.00 122649.00 65306.00
															TOTAL New Add GSF	187955.00
TOTAL Comb. 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 Raw Unit Cost Total Unit Cost Total Unit Cost Raw Extension Loaded Extension	D1	D2	D3	D4	Q1	U1 As				Raw Unit Cost			Raw Unit Cost			Loaded Extension
Description Quantity US UM to GC [US] Material Material Labor Labor Cost Loaded Equipment Extension Equipment +Taxxes & Bridin	Description				Quantity US	UM to	GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+Taxes & Brdn

Doors/Windows	DOORS AND WINDOWS					
Doors/Windows Doors/Windows	Interior Doors and Frames					
Doors/Windows Doors/Windows	interior boors and Frames					
Doors/Windows	Single type frame, slab, and hardware	SGL	198.00 EA	1.62	7.84 322	.312.02
Doors/Windows	Double type frame, slab, and hardware	DBL	42.00 EA	2.78		.966.60
Doors/Windows	Note: sidelight glass must be a		12.00 271	2,10		,000.00
Doors/Windows	Exterior Doors and Frames					
Doors/Windows	Single type frame, slab, and hardware	SGL	7.00 EA	2,05	5.99 14	.391.95
Doors/Windows	Double type frame, slab, and hardware	DBL	20.00 EA	3.36		.341.43
Doors/Windows	Boable type frame, olab, and flatatrate	552	20.00 271	0,00		,0 11.10
Doors/Windows	Door glazing 8"x 30"	allowance	115.00 EA	56	8.65 6,	,744.96
Doors/Windows	0 14 0					
Doors/Windows Doors/Windows	Specialty Doors OH, coiling 20 ga steel 8w x 8h electric		5.00 EA	3,38	8 23 16	,941.15
Doors/Windows	Ort, coming 20 ga steer ow x on electric		0.00 E/(0,000	5.20	,541.10
Doors/Windows						
Doors/Windows	Storefront anod alum					
Doors/Windows	Interior Storefront anod alum 1/4" tempered Interior Door, storefr baseline an al incl hw	-11	9,920.00 SF 28.00 EA	44 1.98		,835.47 ,473.65
Doors/Windows Doors/Windows	Exterior Storefront windows alum 1" insul temp	allowance	11.792.00 SF			310.16
Doors/Windows	Extended extendent windows diam it into a temp		11,102.00 01	.	5.20	,0.00
Doors/Windows						
Doors/Windows	Curtainwall		4 000 00 05			700.00
Doors/Windows Doors/Windows	Exterior curtainwall system 1" insul temp Exterior curtainwall system with insulated metal panels		4,900.00 SF 2,272.00 SF			,783.96 ,578.37
Doors/Windows	Door, storefr baseline an al incl hw		17.00 EA	2,23		.032.40
Doors/Windows	Door, storefr heavier stile an al incl hw net prem add		17.00 EA	17:	2.55 2,	,933.30
Doors/Windows	Closer, door concealed overhead net prem add		17.00 EA			,970.37
Doors/Windows	Opener, door auto push button Aluminum sun shades		8.00 EA 642.00 SF			,078.32
Doors/Windows Doors/Windows	Aluminum sun snades		042.00 SF	14.	5.70 92,	,200.32
Doors/Windows						
Doors/Windows	Subtotal					
Doors/Windows	Sales_taxes 6.00% for material and	l equipment				
Doors/Windows Doors/Windows	Payroll_brdn 42.00% labor burden					
Doors/Windows Doors/Windows						
Doors/Windows	SC MU OH & P on self perform	ed work				
Doors/Windows	DOORS AND WINDOWS WORK Div. TOTAL				2,515	,949.42

Report: Project: Location: Addl Ref: 2017 © Downey & Scott LLC.	City of Harrison Harrisonburg, Drawings Date	gn Cost Estimate onburg - New Hig Virginia ed 11/20/2017	h School	Status: Client: Owner/Dept: Owner/Entity:	Grimn HPS City o		ırg	Prep by: Chckd by: D&S Job no.: LAN ref:	ja/mvd bd/sm 112017	Date [subm]: Date [Revised] platform rev. 2017	December 7, 2017	©Downey & Scott 2017		STAT BOX Acres buildable Slab on Grade Slab on Deck	Verify w designer 45.00 122649.00 65306.00
Be Reproduced, Changed Or								sent Of Downey &	Scott LLC.						
														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		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

Finishes Finishes	FINISHES	Subcontracted					
Finishes	GWB	partitions					
Finishes Finishes							
Finishes							
Finishes Finishes	2 Sided 6" Partitions		Wall Height 14.00	1,995,00 Total LF Of Wall			
Finishes	2 Sided 0 Fartitions	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 Finishes		Stud Stud	6" 20 ga 6" 16 ga	840.00 LF 2,100.00 LF		2.83 5.03	2,380.23 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 ¹	Wall Board On Wall Systems E	
Finishes Finishes		Sealant	1/4" bead	3,990.00 LF		0.20	796.59
Finishes			Wall Height				
Finishes	2 Sided 6" Partitions	Track	14.00 6" 25 ga	334.00 Total LF Of Wall 701.40 LF		2.52	1,768.43
Finishes 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 Finishes		Stud Sound Batt	6" 16 ga 3"	351.58 LF 4,676.00 SF		5.03 0.55	1,770.10 2,568.57
Finishes		GWB XXX	5/8" (rated)	10,006.64 SF	See Gypsum	Wall Board On Wall Systems E	
Finishes		Sealant	1/4" bead	668.00 LF	200 3ypouiii	0.20	133.36
Finishes			Wall Height				
Finishes Finishes	1 Sided 6" Partitions		14.00	1,339.00 Total LF Of Wall			
Finishes		Track	6" 25 ga	2,811.90 LF		2.52	7,089.59
Finishes Finishes		Stud Stud	6" 25 ga 6" 20 ga	12,121.47 LF 563.79 LF		2.53 2.83	30,636.26 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 0	0.55	10,297.36
Finishes Finishes		GWB Sealant	5/8" 1/4" bead	20,058.22 SF 2,678.00 LF	See Gypsum	Wall Board On Wall Systems E 0.20	534.65
Finishes		Codian	77 Dada	2,070.00 2.		0.20	001.00
Finishes	Gypsum Wall Board On	Wall Systems					
Finishes Finishes	GWB on Studs/Furring	wan Systems	5/8" (abuse)	89,473.41 SF		3.09	276,082.71
Finishes	GWB on Studs/Furring	GWB Fire Rate	ed 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 Finishes	GWB	ceilings					
Finishes	GWB ceiling incl susp into		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 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 Finishes	Ceramic wall kitchen Ceramic base thin set			3,024.00 SF 1,715.00 LF		11.30 12.58	34,168.45 21,581.28
Finishes				-,			,_520
Finishes	Quarry Tile Quarry tile floor		allowance	4.528.00 SF		10.07	45.591.06
Finishes Finishes	Quarry tile hoor		allowarice	4,526.00 SF 378.00 LF		11.16	4,220.15

STAT BOX Verify w designer Report: Concept Design Cost Estimate Status: Concept / Schematic Design Prep by: Date [subm]: December 7, 2017 Acres buildab Project: City of Harrisonburg - New High School Client: Grimm & Parker Chckd by: bd/sm Date [Revised] Harrisonburg, Virginia HPS Location Owner/Dept: D&S Job no.: 112017 ©Downey & Scott 2017 122649.00 Addl Ref: Drawings Dated 11/20/2017 Owner/Entity: City of Harrisonburg LAN ref: Slab on Grade Slab on Deck 65306.00 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. OTAL New Add GSF 187955.00 OTAL Comb GSF 187955.00 Loaded Extension Auditorium Acoustical cloud ceilingss 1.00 LS 97.923.67 97.923.67 5,197.50 SF 16,559.36 3.19 Acoustical treatment above clouds allowance Carpet tile 5,600.00 622.22 SY 42.13 26,215.56 4,465.00 SF Stage Floor 11.95 53,371.16 Interior auditorium accoustical wall treatment allowance 10,850.00 GSF 2.10 22,785.00 **Corridor Upgrade Premium** 19,775.00 SF 15.77 311,917.48 Upgraded flooring Ceiling sys acoustic 103.375.25 SF 329,356.07 Acoustical Ceiling allowance 3.19 Ceiling panels 1,200.00 SF 41.45 49,738.46 Wood ceiling Wall panels acoustical 2,500.00 SF 16.55 41,381.83 Acoustic panels allowance Tectum - music rooms 2,064.00 SF 9.98 20,596.80 allowance Vinyl/rubber Resilient vinyl comp tile (VCT) flooring 120,782.00 SF 24,156.40 LF 3.06 369,665.91 1 94 46,775,21 Vinvl base 4" base Rubber stair treads flooring 800.00 LF 12.89 10,308.39 Rubber landings flooring 1.324.00 SF 8,041.52 6.07 Total SF Carpet Carpet tile 19,047.00 2,116.33 SY 42.13 89,165.66 Ref to Div 12 Specialty Flooring E100 12.070.00 SF 11.95 144.275.46 Gvm Floor Fitness room floor E122 & C101 3,688.00 SF 11.95 44,083.50 Painting 187,955.00 GSF Interior assembled unit cost building Int 394,705.50 2.10 Dr & frm incl caulking 329.00 EA 54.04 17,779.73 Exterior Blackboard feature 360.00 SF 6,766.43 allowance 18.80 Subtotal Sales taxes 6.00% for material and equipment 42.00% labor burden Payroll brdn

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SC MU

OH & P

GWB PARTITIONS AND FINISHES WORK Div. TOTAL

on self performed work

3,038,607.91

Report: Project: Location: Addl Ref: 2017 © Downey & Scott LLC.	City of Harrison Harrisonburg, Drawings Date	gn Cost Estimate onburg - New Hig Virginia ed 11/20/2017	h School	Status: Client: Owner/Dept: Owner/Entity:	Grimn HPS City o		ırg	Prep by: Chckd by: D&S Job no.: LAN ref:	ja/mvd bd/sm 112017	Date [subm]: Date [Revised] platform rev. 2017	December 7, 2017	©Downey & Scott 2017		STAT BOX Acres buildable Slab on Grade Slab on Deck	Verify w designer 45.00 122649.00 65306.00
Be Reproduced, Changed Or								sent Of Downey &	Scott LLC.						
														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		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

				^			
Specialties	SPECIALTIES	Subcontracte	ed				
Specialties							
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 se	emi 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 typ	е			2.00 EA	534.78	1,069.55
Specialties	Curtain/rod at shower				7.00 EA	79.57	556.99
Specialties							
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							
Specialties	Media accessories	allowances		Total LF			
Specialties	White Board						
Specialties	Whiteboards	Based on typi	cal High School		187,955.00 GSF	0.50	94,420.26
Specialties	Tackboards	Based on typi	cal High School		187,955.00 GSF	0.49	91,916.12
Specialties							
Specialties	Fire Extinguishers Cabin						
Specialties	Cabinet fire ext stainless s			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							
Specialties	Fire Blankets						
Specialties	Fire Blanket	w/case		allowance	12.00 EA	204.00	2,447.99
Specialties							
Specialties	Signage graphics						
Specialties	Interior Door/Hall mntd Sig	gnage		allowance	329.00 EA	51.75	17,025.94
Specialties	Building Signage			allowance	1.00 LS	22,000.18	22,000.18
Specialties							
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 benche		hardwood		228.00 LF	25.49	5,811.13
Specialties	Pedestals for above bench	nes			114.00 EA	66.03	7,527.10
Specialties	Doublidiana	4nila4					
Specialties	Partitions Partitions floor mntd stand	toilet			38.00 EA	1,018.14	38,689.23
Specialties	Partitions floor mntd stand				38.00 EA 40.00 EA	1,018.14	38,689.23 60,550.24
Specialties	Urinal scrns				6.00 EA	390.44	2,342.64
Specialties Specialties	Partitions head rail bracing	,			78.00 EA	84.12	2,342.64 6,561.05
opeciaities	i ariidons nead raii bracinț	4			70.00 EA	04.12	0,001.05

STAT BOX Report: Concept Design Cost Estimate Status: Concept / Schematic Design Prep by: Date [subm]: December 7, 2017 Acres buildab Project: City of Harrisonburg - New High School Client: Grimm & Parker Chckd by: bd/sm Date [Revised] Harrisonburg, Virginia HPS Location Owner/Dept: D&S Job no.: 112017 ©Downey & Scott 2017 Addl Ref: Drawings Dated 11/20/2017 Owner/Entity: City of Harrisonburg LAN ref: Slab on Grade Slab on Deck 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. OTAL New Add GSF OTAL Comb GSF Raw Unit Cost Material **Folding Partitions** allowance 2.091.00 SF 63.25 132.257.11 Folding partitions Metal Shelving Metal Shelving allowance 200.00 LF 84.93 16,985.51 Subtotal 6.00% for material and equipment Sales taxes 42.00% labor burden Pavroll brdn SC MU OH & P on self performed work SPECIALTIES WORK Div. TOTAL 1,052,872.80 FOUIPMENT Subcontracted Appliances residential Microwave FF&E 0.00 EA 0.00 EA Refrigerator Dishwasher FF&E 0.00 EA FF&E 0.00 EA Washer Commercial FF&E 0.00 EA Commercial Drying Oven 0.00 EA Kitchen 1.00 LS 631,950.68 631,950.68 Kitchen Equipment allowance AV Equipment and Special Accessories FF&E By Owner FF&E **Projection Screens** By Owner Theater Equipment (rigging, curtains, draperies, lighting & controls) 1.00 LS 1,628,050.17 1,628,050.17 Misc Theater equipment quote on systems Auditorium 600.00 EA 352.66 211,594.99 Athletic equip Basketball backstops Ceiling suspended, to 20', swing-up manual 6.00 EA 2,866.90 17,201.39 Premium Qty. Scoreboards, basketball, single face 2.00 EA 4,045.79 8,091.57 1,710.00 SF 12.99 22,204.67 Gym Divider Curtain 2.00 SETS 363.33 726.65 Climb ropes 2.00 SETS 410.60 821.20 Wrestling padding 1,806.00 SF 12.25 22,130.80 Mat Hoist 1.00 EA 1,196.44 1,196.44 FF&E 0.00 SF Wall padding 9.06 0.00 Subtotal Sales_taxes 6.00% for material and equipment Payroll brdn 42.00% labor burden SC MU OH & P on self performed work EQUIPMENT WORK Div. TOTAL 2,543,968.57

Specialties Specialties

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122649.00

65306.00

187955.00

187955.00

Loaded Extension

Report: Project: Location: Addl Ref: 2017 © Downey & Scott LLC.	City of Harriso Harrisonburg, Drawings Date Expressly Reserv	gn Cost Estimate onburg - New Hig Virginia ed 11/20/2017 es Its Common Law	h School And Other Pro	perty Rights In This		g e Is Not To	Prep by: Chckd by: D&S Job no.: LAN ref:	bd/sm 112017	Date [subm]: Date [Revised] platform rev. 2017	December 7, 2017	©Downey & Scott 2017		STAT BOX Acres buildable Slab on Grade Slab on Deck	45.00 45.00 122649.00 65306.00
Be Reproduced, Changed Or	Copied In Any Fo	rm Or Matter Whats	oever, Without	First Obtaining The	e Express Written Permi	ssion And Con	sent Of Downey 8	k Scott LLC.						
													TOTAL New Add GSF	187955.00
													TOTAL Comb. GSF	187955.00
D1	D2	D3	D4	Q1	U1 Assem UC	Raw Unit Cost		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 Furnishings Furnishings Furnishings	Blinds Horizontal	window SF	manual	11,792.00 SF	7.60	89,591.12
Furnishings Furnishings Furnishings	Privacy curtains Curtains w/track		allowance	1,100.00 SF	4.65	5,112.27
Furnishings Furnishings Furnishings	Floor mats Floor mats	w/ frames	allowance	1,295.00 SF	17.44	22,580.13
Furnishings Furnishings Furnishings Furnishings Furnishings Furnishings Furnishings Furnishings	Casework General Casework Science casework Classroom casework Misc casework Tech casework Library casework			187,955.00 GSF 1.00 LS 1.00 LS 1.00 LS 1.00 LS 1.00 LS	2.31 204,300.98 169,080.07 56,373.17 90,185.24 119,770.80	433,637.88 204,300.98 169,080.07 56,373.17 90,185.24 119,770.80
Furnishings	Seating	Gym				
Furnishings Furnishings Furnishings Furnishings Furnishings Furnishings Furnishings	Bleachers, hydraulic oper Subtotal Sales_taxes Payroll brdn SC MU	ated, per SF 6.00% for material an 42.00% labor burden OH & P on self perforr		2,930.00 SF	49.18	144,108.51
Furnishings Furnishings	FURNISHINGS WORK D		ieu woi k			1,334,740.15

Report: Project: Location: Addl Ref: 2017 © Downey & Scott LLC. Be Reproduced, Changed Or	City of Harriso Harrisonburg, Drawings Date . Expressly Reserv	gn Cost Estimate onburg - New Hig Virginia ed 11/20/2017 es Its Common Law	gh School v And Other Pro		Grimm HPS City of	. /this Estima	irg te Is Not To	Prep by: Chckd by: D&S Job no.: LAN ref:		Date [subm]: Date [Revised] platform rev. 2017	December 7, 2017	©Downey & Scott 2017		STAT BOX Acres buildable Slab on Grade Slab on Deck	Verify w designer 45.00 45.00 122649.00 65306.00
														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

	Description	- UL	50		Quantity US	LIMA 4	o GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	_
	Description				Quantity 03	UIVI	0 GC [03]	ivialeriai	iviateriai	Labor	Labui	Cost Loaded	Equipment	EXTENSION	_
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Spec. Const.	SPECIAL CONSTRUCTION	J													
	SI ECIAL CONSTRUCTION	•													
Spec. Const.															
Spec. Const.															
Spec. Const.	Subtotal														
Spec. Const.	Sales_taxes	6 00%	for material and	equinment											
Spec. Const.	Payroll_brdn		labor burden	oquipinoni											
	Fayron_brun	42.00 /6	labor burden												
Spec. Const.															
Spec. Const.															
Spec. Const.		OH & P	on self performe	d work											
Spec. Const.	SPECIAL CONSTRUCTION	WORK Div.	TOTAL											0.00	
-															
_	CONVEYING SYSTEMS														
Conveyance	CONVETING STSTEMS														
Conveyance															
Conveyance	Hydraulic Elevator (baseline	e) inc. 3 stops	std cab finish		1.00							124,680.18		124,680.18	
Conveyance	Wheel chair lift				1.00	EA						15,240.92		15,240.92	
Conveyance															
Conveyance															
Conveyance	Subtotal														
Conveyance	Sales_taxes		for material and	equipment											
Conveyance	Payroll brdn	50.00%	labor burden												
Conveyance															
Conveyance															
	SC MU	OH & P	on self performe	d work											
Conveyance	CONVEYANCE WORK Div		on sen periornie	u work										120 021 11	
Conveyance	CONVETANCE WORK DIV	. IUIAL												139,921.11	

Report: Project: Location: Addl Ref:		gn Cost Estimate onburg - New Hig , Virginia		Status: Client: Owner/Dept: Owner/Entity:	Grimm HPS	ot / Schema & Parker Harrisonbu	J	Prep by: Chckd by: D&S Job no.: LAN ref:	ja/mvd bd/sm 112017	Date [subm]: Date [Revised]	December 7, 2017	©Downey & Scott 2017		Acres buildable Slab on Grade	Verify w designer 45.00 122649.00
2017 © Downey & Scott LLC. Be Reproduced, Changed Or								sent Of Downey 8	Scott LLC.					Slab on Deck TOTAL New Add GSF	65306.00 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

Fire Protection	Fire Protection			
Fire Protection				
Fire Protection	Data: Sprinklered area:	187,955.00 GSF		
Fire Protection	# heads [sprinklered area / SF per hd	1,790		
Fire Protection	W			
Fire Protection	Wet pipe Sprinkler Sys	0.070 LE	00.70	04.050.40
Fire Protection	Pipe blk stl.sch 10 -6"	2,076 LF 138 EA	29.70 114.03	61,659.19 15,781.70
Fire Protection	Fittings grooved-joint -6"	381 EA	95.89	36.496.94
Fire Protection	Couplings grooved-joint -6" Pipe blk stl.sch 10 -4"	3,801 LF	95.89	87,890.17
Fire Protection Fire Protection	Fittings grooved-joint -4"	253 EA	23.12 91.15	23.096.50
	Couplings grooved-joint -4"	697 EA	30.85	21,494.79
Fire Protection Fire Protection	Thread-o-let 4"x 2"	298 EA	30.83	9,798.89
Fire Protection	Thread-o-let 4 x 2 Thread-o-let 4"x 1"	358 EA	28.97	10,372.56
Fire Protection	Pipe blk stl sch 40 -1-1/4"thru 2"	10.069 LF	10.10	101.682.96
Fire Protection	Pipe blk stl sch 40 -1"	14,320 LF	7.02	100,459.32
Fire Protection	Fittings threaded CI 1-1/4"thru 2"	2.088 EA	27.98	58.441.88
Fire Protection	Fittings threaded CI 1"	3,580 EA	11.85	42,421.78
Fire Protection	, <u>a-</u> <u>a-</u>	-,		,
Fire Protection	Piping specialties and valves			
Fire Protection	Valves butterfly -4"	12 EA	633.96	7,607.55
Fire Protection	Heads sprinkler	1,790 EA	32.11	57,486.43
Fire Protection	Heads sprinkler Freeze proof type	0 EA	245.63	0.00
Fire Protection	Hd guards sprinkler	448 EA	7.89	3,532.75
Fire Protection	Backflow Preventer	1 EA	5,465.57	5,465.57
Fire Protection	Fire Department Connection	1 EA	1,117.91	1,117.91
Fire Protection	Alarm check valve	2 EA	678.39	1,356.78
Fire Protection	Check w/auto ball drip -4"	4 EA	311.94	1,247.77
Fire Protection	Test header	4 EA	709.46	2,837.86
Fire Protection	Inspectors test station	1 EA	654.67	654.67
Fire Protection	Tamper switch	14 EA	126.95	1,777.25
Fire Protection	Flow switch Pipe riser valve assm OS&Y valve & siamese	14 EA 9 EA	143.43 1,290.97	2,008.01 11.618.72
Fire Protection	Pipe liser valve assiti OS&T valve & stattlese	9 EA	1,290.97	11,010.72
Fire Protection	Specialties			
Fire Protection	Ansul Hood Supression		Refer to Div 11	
Fire Protection Fire Protection	Fire Pump		Excluded	
Fire Protection	Coordination Drawings/Permit Drawings	187.955 EA	0.35	65.967.66
Fire Protection	Coordination Drawings/1 entitle Drawings	101,933 LA	0.00	03,907.00
Fire Protection				
Fire Protection				
Fire Protection	Subtotal			
Fire Protection	Sales taxes 6.00% for material and equipment			
Fire Protection	Payroll brdn 42.00% labor burden			
Fire Protection	= =			
Fire Protection				
Fire Protection	SC MU OH & P on self performed work			
Fire Protection	FIRE SPRINKLER WORK Div. TOTAL			732,275.63

	REVISED DECE												STAT BOX	Verify w designer
Report:		gn Cost Estimate		Status:	Concept / Schema	ic Design	Prep by:			December 7, 2017			Acres buildable	45.00
Project:		onburg - New Hig	gh School	Client:	Grimm & Parker		Chckd by:		Date [Revised]					
Location:	Harrisonburg,			Owner/Dept:	HPS		D&S Job no.:	112017	platform rev. 2017		©Downey & Scott 2017			
Addl Ref:	Drawings Date	ed 11/20/2017		Owner/Entity:	City of Harrisonbu	g	LAN ref:						Slab on Grade	122649.00
													Slab on Deck	65306.00
2017 © Downey & Scott LLC.														
Be Reproduced, Changed Or	Copied In Any Fo	rm Or Matter Whats	soever, Without	First Obtaining The	Express Written Permi	ssion And Con	sent Of Downey 8	Scott LLC.						
													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		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 Sec	tion			
Plumbing					
Plumbing Plumbing	Plumbing Equipment				
Plumbing	Plumbing Equipment/Fixtures		187,955.00 GSF	2.32	436,865.32
Plumbing	riambing Equipment interes		101,000.00 001	2.02	100,000.02
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	DIAG				
Plumbing	DWV Plumbing Drain Waste And Ver	ata Sustam	187,955.00 GSF	1.99	373,758.02
Plumbing Plumbing	Fluilibilig Dialil Waste Aliu Vel	its System	167,955.00 GSF	1.99	373,736.02
Plumbing	Interior Storm Roof Piping				
Plumbing	Interior Storm Roof Drainage S	ystem	187,955.00 GSF	0.72	135,275.03
Plumbing	Ç	•			
Plumbing	Insulation		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		187,955.00 GSF	0.27	50,527.51
Plumbing					
Plumbing Plumbing					
Plumbing					
Plumbing	Subtotal				
Plumbing Plumbing	Sales taxes	6.00% for material and equipment			
Plumbing	Payroll_brdn	42.00% labor burden			
Plumbing Plumbing					
Plumbing	SC MU OH & P on self perform				
Plumbing	PLUMBING WORK Div. TOTA	L			2,022,958.21

Report: Project: Location: Addl Ref:		gn Cost Estimate onburg - New Hig Virginia			Concept / Schem Grimm & Parker HPS City of Harrisonb	J	Prep by: Chckd by: D&S Job no.: LAN ref:	bd/sm	Date [subm]: Date [Revised]	December 7, 2017	©Downey & Scott 2017		STAT BOX Acres buildable Slab on Grade	Verify w designer 45.00 122649.00
2017 © Downey & Scott LLC. Be Reproduced, Changed Or	Expressly Reserve	es Its Common Law					sent Of Downey &	Scott LLC.					Slab on Deck	65306.00
													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

	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	L
	Description				Quantity US	UM	to GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	
	•			۸												
Mechanical	MECHANICAL															
Mechanical																
	Equipment															
Mechanical																
Mechanical	HVAC Equipment				187,955.00	GSF						13.23		2,487,197.34		
Mechanical																
Mechanical	Piping & Valves															
Mechanical	Piping & Valves				187,955.00	GSF						5.85		1,099,421.38		
Mechanical																
Mechanical																
Mechanical	Coordinated Drawings				187,955.00	GSF						0.24		44,533.52		
Mechanical																
Mechanical		SUBCONTRA	CTORS													
Mechanical	SHEET METAL CONTRAC	CTOR														
Mechanical	Ductwork															
Mechanical	HVAC Ductwork and Acc.				187,955.00	GSF						7.11		1,336,005.73		
Mechanical																
Mechanical	Air Outlets															
Mechanical	HVAC R&G				187,955.00	GSF						0.62		116,900.50		
Mechanical					. ,									-,		
Mechanical	Ductwork Accessories															
Mechanical	HVAC ductwork Accessorie	es			187,955.00	GSF						0.70		130,817.23		
Mechanical	Tittle addition to become	00			101,000.00	оо.						0.70		100,011.20		
Mechanical	MECHANICAL / INSULATI	ION CONTRAC	CTOR													
Mechanical	Insulation															
Mechanical	HVAC Insul system				187,955.00	CSE						2.04		384,101.65		
Mechanical	111/10 modi system				107,000.00	001						2.04		004,101.00		
Mechanical	Temperature Controls															
Mechanical	Temperature Controls				187,955.00	CSE						4.72		886,973.86		
Mechanical	remperature controls				107,333.00	OOI						4.72		000,373.00		
Mechanical																
Mechanical	Systems Testing and Bala	ancina														
Mechanical	HVAC Test & Balance syst				187,955.00	CSE						0.37		69,583.63		
Mechanical	TIVAC Test & Dalatice syst	tem			107,333.00	OOI						0.37		03,303.03		
Mechanical Mechanical	Testing & General Opera	sting And Dom	onetrations													
Mechanical	Test and Demonstrate Operation	aration/Commis	orionina Acciet		1.00	Ε Λ						61,788.77		61,788.77		
	rest and Demonstrate Ope	station/Commis	saluliling Assist		1.00	LA						01,700.77		01,700.77		
Mechanical	Extended Warranty's															
Mechanical	Equipment, General workm	aanahin matari	iala		1.00	Ε.						39,997.03		39,997.03		
Mechanical	Equipment, General working	nansnip, materi	iais		1.00	EA						39,997.03		39,997.03		
Mechanical																
Mechanical																
Mechanical	Colesand															
Mechanical	Subtotal	0.000/														
Mechanical	Sales_taxes		for material and	equipment												
Mechanical	Payroll_brdn	42.00%	labor burden													
Mechanical																
Mechanical	00 MILOU 8 D "	······································														
Mechanical	SC MU OH & P on self pe													0.057.000.05		
Mechanical	HVAC WORK Div. TOTAL	-												6,657,320.65		

Report: Project: Location:		gn Cost Estimate onburg - New Hig		Status: Client: Owner/Dept:		ept / Schema n & Parker	atic Design	Prep by: Chckd by: D&S Job no.:	ja/mvd bd/sm 112017	Date [subm]: Date [Revised]	December 7, 2017	©Downey & Scott 2017		STAT BOX Acres buildable	Verify w designer 45.00
Addl Ref:	Drawings Dat	ed 11/20/2017		Owner/Entity:	City o	f Harrisonbu	ırg	LAN ref:						Slab on Grade	122649.00
	ey & Scott LLC. Expressly Reserves Its Common Law And O ed, Changed Or Copied In Any Form Or Matter Whatsoever,													Slab on Deck	65306.00
Be Reproduced, Changed Or	r Copied In Any Fo	orm Or Matter Whats	oever, Without	First Obtaining The	Expres	Written Perm	nission And Con	sent Of Downey &	Scott LLC.						
														TOTAL New Add GSF	187955.00
														4	
														TOTAL Comb. GSF	187955.00
D1	D2	D3	D4	Q1		Assem UC		Raw Extension	Raw Unit Cost		Total Unit	Raw Unit Cost	Total Unit Cost	Raw Extension	Loaded Extension
Description			1	Quantity US	UM	to GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+Taxes & Brdn

Electrical Electrical Electrical	ELECTRICAL							
Electrical	Site Electric	Utilities			See Site Work Elec	t Utilities Section		
Electrical Electrical Electrical	Exterior Lighting						See Site Work Elect Utilities Se	ection
Electrical	Switchboards							
Electrical	Switchboards/ Incoming S	Serv	SF Method		187,955.00 SF		1.07	201,694.98
Electrical								
Electrical	Panelboards							
Electrical	Panelboards		SF Method		187,955.00 SF		0.98	184,470.36
Electrical								
Electrical	Bus Duct & Transformer	's						
Electrical	Bus Duct & Transformers		SF Method	only 277/480	187,955.00 SF		0.49	91,307.36
Electrical								
Electrical	Packaged Engine Gen. S	System						
Electrical	Generator				1.00 EA		133,059.54	133,059.54
Electrical	Automatic transfer switch		400.00	AMP	1.00 EA	l e e e e e e e e e e e e e e e e e e e	11,723.58	11,723.58
Electrical								
Electrical	Power	wiring	devices					
Electrical	Power & Wiring Devices				187,955.00 SF		0.97	182,526.69
Electrical								
Electrical	Cabinets & Enclosures (es)		407.055.00.05		0.75	444 707 00
Electrical	Cabinets & Enclosures (sa	arety switches)			187,955.00 SF		0.75	141,737.66
Electrical	D	Home Runs						
Electrical	Power Power Home Runs /Feed				187,955.00 SF		2.54	477,713.49
Electrical	rowel Hollie Rulls / reeul	515			107,955.00 31		2.54	477,713.49
Electrical Electrical	Power Branch							
Electrical	Power Branch				187.955.00 SF		0.93	174,496.34
Electrical	Tomor Branon				101,000.00 01		0.00	,
Electrical	Building Grounding/Ligi	htnina Protecti	ion Systems					
Electrical	Bldg Ground/Lightning Pro				187,955.00 SF		0.20	38,264.84
Electrical					,,,,,,,,,,			
Electrical	Ltg fixt #	type	type	size				
Electrical	Interior Luminaries	••	SF Method		187,955.00 SF	:	7.82	1,470,513.49
Electrical								
Electrical	Lighting	wiring	devices					
Electrical	Lighting & Wiring Devices				187,955.00 SF		0.60	112,474.50

	Report: Project: Location:	Concept Desi	EMBER 7, 2017 ign Cost Estimat sonburg - New H		Status: Client: Owner/Dept:	Concept / Schema Grimm & Parker HPS	atic Design	Prep by: Chckd by: D&S Job no.:	ja/mvd bd/sm	Date [subm]: Date [Revised]	December 7, 2017	©Downey & Scott 2017		STAT BOX Acres buildable	Verify w designer 45.0
	Addl Ref:		ted 11/20/2017		Owner/Entity:		ıra	LAN ref:	112017	platform rev. 2017		ebowney a Scott 2017		Slab on Grade	122649.0
					·,	,	9							Slab on Deck	65306.0
	2017 © Downey & Scott LLC. Be Reproduced, Changed Or							nsent Of Downey 8	& Scott LLC.						
														TOTAL New Add GSF	187955.0
						U1 Assem UC	Raw Unit Cost	Raw Extension		T =	Total Unit	Raw Unit Cost	Total Unit Cost	TOTAL Comb. GSF	187955.0
	Description D1	D2	D3	D4	Quantity US		Material	Material	Raw Unit Cost Labor	Raw Extension Labor	Cost Loaded	Equipment	Extension	Raw Extension Equipment	Loaded Extension +Taxes & Brdn
Electrical	Lighting Home Runs Lighting Home Runs Lighting Branch Lighting Branch Lighting Home Run and Lighting Home Run/Branc Coordinated Drawings			^	187,955.0 187,955.0 187,955.0	00 SF 00 SF					1.2 1.0 0.0 0.2	7	237,947.30 201,915.86 17,092.04 48,881.25		
Electrical Electrical Electrical Electrical Electrical Electrical Electrical	Subtotal Sales_taxes Payroll_brdn SC MU OH & P on self pr ELECTRICAL SYSTEMS	42.00% erformed work		d equipment									3,725,819.27		

Report: Project: Location: Addl Ref:	REVISED DECEMBE Concept Design Concept Design Concept Design Concept Design Concept Co	ost Estimate irg - New High ginia	h School	Status: Client: Owner/Dept:	Concept / Schem Grimm & Parker HPS City of Harrisonb	J	Prep by: Chckd by: D&S Job no.: LAN ref:	ja/mvd bd/sm 112017	Date [subm]: Date [Revised]		@Downey & Scott 2017		STAT BOX Acres buildable Slab on Grade	Verify w designer 45.00
2017 © Downey & Scott LLC. Be Reproduced, Changed Or	Expressly Reserves Its	s Common Law		perty Rights In This	Estimate. /this Estim	ate Is Not To		& Scott LLC.					Slab on Deck	65306.00
					•								TOTAL New Add GSF	187955.00
													TOTAL Comb. GSF	187955.00
Description D1	D2	D3	D4	Quantity US	U1 Assem UC		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
COMMUNICATIONS SYS Clock & Program System Voice & Data Systems Telephone system				187,955.00	GSF					0.4	.1	76,886.82		
Voice & Data Systems P.A. & Music System P.A. & Music System				187,955.00 187,955.00						5.6		1,061,170.71 173,127.91		
T.V. /CCTV System T.V. System				187,955.00						0.2		52,760.27		
Subtotal Sales taxes Payroll_brdn	6.00% for r 42.00% labo	material and o	equipment											
SC MU OH & P on self pe COMMUNICATIONS SYS		OTAL										1,363,945.72		

1.53

2.13

287,003.01

400,224.38

687,227.38

Electronics	ELECTRONIC SAFETY & SECURITY SYSTEMS
Electronics	

Electronics	Security
Electronics	Security Systems
Electronics	
Electronics	Fire alarm system
Electronics	Fire alarm system

SF Method 187,955.00 SF Fire alarm system Electronics Electronics

SF Method

187,955.00 SF

Electronics Subtotal Sales_taxes Electronics Electronics

6.00% for material and equipment 42.00% labor burden Payroll_brdn

access control

Electronics

Electronics

Com Sys Com Sys Com Sys Com Sys

Com Sys Com Sys Com Sys Com Sys Com Sys Com Sys Com Sys Com Sys Com Sys Com Sys Com Sys Com Sys Com Sys Com Sys Com Sys

SC MU OH & P on self performed work ELECTRONIC SAFETY & SECURITY SYSTEMS WORK Div. TOTAL Electronics

STAT BOX Verify w designer Prep by: ja/mvd Chckd by: bd/sm D&S Job no.: 112017 LAN ref: Report: Project: Concept / Schematic Design Date [subm]: December 7, 2017 Date [Revised] Concept Design Cost Estimate Status: Acres buildable Client: Grimm & Parker
Owner/Dept: HPS City of Harrisonburg - New High School Harrisonburg, Virginia Drawings Dated 11/20/2017 Location: Addl Ref: platform rev. 2017 ©Downey & Scott 2017 122649.00 Owner/Entity: City of Harrisonburg Slab on Grade 65306.00 Slab on Deck 2017 © Downey & Scott LLC. Expressly Reserves Its Common Law And Other Property Rights In This Estimate. Ithis 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. 187955.00 TOTAL New Add GSF 187955.00 TOTAL Comb. GSF Raw Extension Material Raw Unit Cost Labor Raw Extension Labor Total Unit Cost Loaded Raw Extension Equipment Loaded Extension +Taxes & Brdn

			,,					
Earth Work	EARTHWORK DIVISION							
Earth Work								
Earth Work	Erosion and Sediment Controls Allowances							
Earth Work	Dust control				1 LS		10,398.04	10,398.04
Earth Work	Silt fence				3,100 LF		3.23	10,018.33
Earth Work	Super silt fence				4,500 LF		5.77	25,973.52
Earth Work	Diversion dike				1,200 LF		5.91	7,086.81
Earth Work	Check dam				12 EA		147.64	1,771.70
Earth Work	Inlet/outlet protection				32 EA		84.04	2,689.38
Earth Work	Orange protection fence				520 LF		3.97	2,063.04
Earth Work	Gravel construction entrance/construction road				200.00 TNS		37.14	7,428.59
Earth Work	Wash rack				2 EA		882.46	1,764.93
Earth Work	Temporary seeding				72,222 SY		0.36	26,266.00
Earth Work	Silt trap/sediment basin excavation				2,000 CY		6.91	13,810.25
Earth Work	Rip rap				400 TNS		46.75	18,701.36
Earth Work	CMP outfall pipe 15"				120 LF		39.20	4,704.56
Earth Work	CMP outfall pipe 18"				60 LF		44.42	2,665.13
Earth Work	Trash rack/outlet structure				3 EA		1,663.17	4,989.51
Earth Work	Maintenance of E&S measures				1 LS		28,066.23	28,066.23
Earth Work								
Earth Work	Wetlands Remediation/repair				Excluded			
Earth Work	•							
Earth Work	Foundation Drainage							
Earth Work	Drainage foundation gravel/filter cloth				2,030 LF		11.12	22,578.65
Earth Work	Daylight at suitable outfall pipe only				508 LF		8.62	4,375.90
Earth Work	., ., ,							
Earth Work	Dewatering							
Earth Work	6" Centrifugal pump, attended 8 hrs				60 DAY		987.32	59,239.03
Earth Work								,
Earth Work	Soil Testing							
Earth Work	Compaction See Div 1							
Earth Work	Moisture See Div 1							
Earth Work	CBR See Div 1							
Earth Work								
Earth Work	Site Clearing							
Earth Work	Clear and grub				35.40 ACRE		2,382.44	84,338.50
Earth Work							_,	- 1,000.00
Earth Work	Topsoil							
Earth Work	Topsoil strip and stockpile onsite	6" s	strin		28.840 CY		2.90	83.703.64
Earth Work	Topsoil respread/fine grade onsite		depth		10.140 CY		5.54	56,172.79
Earth Work	Soil for planters	•	30ptii		200 CY		59.49	11,897.16
Earth Work							*****	,
Earth Work	Building pad fine grade	SF	116,554		12.950 SY		2.44	31,612.36
Earth Work	Athletic field fine grade	SF	146.850		16.317 SY		2.44	39.829.39
Earth Work	Attrictio ficia fine grade	O.	140,000		10,017 01		2.44	00,020.00
Earth Work	Cut/Fill			All Cu	/Fill assumptions are based balanced earthwork			
Earth Work	Cut directly to fill, assumes suitable soils will be found	onsite		7 till Ou	53.600 CY		5.33	285,433.11
Earth Work	Import fill	Onone		Evelue	led - assumed that onsite soils, onsite topsoil wil	I provide for areas of fill	0.00	200,400.11
Earth Work	Place excess topsoil as non-structural fill at adjacent l	ot		LXCIUC	18.700 CY	provide for areas or fill	5.54	103.592.81
Earth Work	. 1300 0.0000 topoon ao non onaotara nii at aujacent i	٠.			.0,.00 01		0.07	100,002.01
Earth Work	Undercut and Replace with Suitable Soils							
Earth Work	Undercut and haul - cut, load, haul, dispose			Exclus	ded - assumed that onsite soils, onsite topsoil wil	provide for areas of fill		
Earth Work	Import fill - purchase, import, place, compact				led - assumed that onsite soils, onsite topsoil will			
	import iiii - purchase, import, piace, compact			EXCIU	ieu - assumeu triat orisite solis, orisite topsoli wii	i provide for aleas or fill		
Earth Work Earth Work	Grading and Shaping		SF					
	Rough grading entire disturbed area		1,530,800		170,089 SY		1.27	216,825.73
Earth Work	rough graung entile disturbed area		1,000,000		170,000 01		1.27	210,023.73

	Report: Project: Location: Addl Ref:		gn Cost Estimate onburg - New Hig , Virginia		Status: Client: Owner/Dept: Owner/Entity:	Concept / Sch Grimm & Park HPS City of Harriso	er	Prep by: Chckd by: D&S Job no.: LAN ref:	ja/mvd bd/sm 112017	Date [subm]: Date [Revised]	December 7, 2017	©Downey & Scott 2017		STAT BOX Acres buildable Slab on Grade Slab on Deck	Verify w designer 45.00 122649.00 65306.00
	2017 © Downey & Scott LLC Be Reproduced, Changed C							onsent Of Downey	& Scott LLC.					TOTAL New Add GSF	187955.00
	D1	D2	D3	D4	Q1	uı Assem	JCI Raw Unit Cos	Raw Extension	Raw Unit Cost	Raw Extension	Total Unit	Raw Unit Cost	Total Unit Cost	TOTAL Comb. GSF Raw Extension	187955.00 Loaded Extension
	Description	D2	DS	D4	Quantity US	UM to GC [Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+Taxes & Brdn
earth Work Earth Work Earth Work Earth Work Earth Work	Rock Excavation Backfill Backfill building Backfill curb	Allowance			35,000 898 7,222	3 CY					28.55 10.90 4.00)	999,970.08 9,789.58 29,374.79		
earth Work earth Work earth Work earth Work earth Work	Soil Treatment Termite Termite control Subtotal				116,554	l SF					0.07	7	8,148.29		
arth Work arth Work arth Work arth Work arth Work arth Work	Sales taxes Payroll brdn SC MU EARTHWORK Div. TOT	42.00% OH & P	for material and labor burden on self performe										2,215,279.15		

STAT BOX Verify w designer Prep by: ja/mvd Chckd by: bd/sm D&S Job no.: 112017 LAN ref: Report: Project: Concept / Schematic Design Date [subm]: December 7, 2017 Date [Revised] Concept Design Cost Estimate Status: Acres buildable Client: Grimm & Parker
Owner/Dept: HPS City of Harrisonburg - New High School Harrisonburg, Virginia Drawings Dated 11/20/2017 Location: Addl Ref: platform rev. 2017 ©Downey & Scott 2017 122649.00 Owner/Entity: City of Harrisonburg Slab on Grade 65306.00 Slab on Deck 2017 © Downey & Scott LLC. Expressly Reserves Its Common Law And Other Property Rights In This Estimate. Ithis 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. 187955.00 TOTAL New Add GSF 187955.00 TOTAL Comb. GSF Raw Extension Material Raw Unit Cost Labor Raw Extension Labor Total Unit Cost Loaded Raw Extension Equipment Loaded Extension +Taxes & Brdn

Ext. Improv	EXTERIOR SITE IMPROVMEN	TS					
Ext. Improv	Onella Armhall						
Ext. Improv	Onsite Asphalt				375.356 SF	0.77	289.330.32
Ext. Improv	Fine grade	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 Ext. Improv	Aspirali topcoat	373,330	2.00	02,559.55	4,596 1115	130.39	028,001.00
Ext. Improv	Curb & Gutter						
Ext. Improv	Curb and gutter, straights, conc	rete			7.222 LF	22.49	162.435.53
Ext. Improv	Curb and gutter, premium for cu				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 curve				77 LF	3.96	304.73
Ext. Improv	rioddor ours, promium for ourse	50				0.00	55 5
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	5				,		**
Ext. Improv	Heavy Duty Concrete			Per inch depth	1.280 SF		
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' Allov	wances			3,800 LF	40.50	153,906.16
Ext. Improv	Gates, chain link				8 LEAFS	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 ca				172 LF	306.60	52,734.89
Ext. Improv	Seat walls, brick veneer, PC ca			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							
Ext. Improv	Football Stadium Refer to Bid	l 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

STAT BOX Verify w designer Report: Concept Design Cost Estimate Status: Concept / Schematic Design Prep by: Date [subm]: December 7, 2017 Acres buildab 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 ©Downey & Scott 2017 122649.00 Addl Ref: Drawings Dated 11/20/2017 Owner/Entity: City of Harrisonburg LAN ref: Slab on Grade Slab on Deck 65306.00 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. OTAL New Add GSF 187955.00 OTAL Comb GSE 187955.00 Raw Extension Equipment Raw Unit Cost Material Raw Extension
Materia Loaded Extension Specialties Cafeteria terrace allowance 1 EA 25,085.31 25,085.31 1 EA 27,872.56 27,872.56 Outdoor classroom allowance Loading dock allowance 1 EA 20,904.42 20,904.42 1,905.21 5,715.62 Flagpole allowance 3 EA 3 EA 337.98 1,013.94 Flagpole foundation allowance Bike rack FF&E 0 EA 234.46 0.00 Waste containers, benches, tables & chairs FF&E 0 EA 1,056.72 0.00 24,349.05 1 EA 24,349.05 Basketball court incl fencing 2 FA 24.349.05 48.698.11 Tennis courts 12 EA 1.054.77 12.657.21 Bollards, incl foundation allowance 2.262.03 4.524.07 Bollard and chain set allowance 2 EA Site Graphics 12 EA 97.46 1,169.53 Signage, H/C Signage, traffic 30 EA 97.46 2,923.83 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 SF 900,000 100,000 SY 0.57 56,898.35 Hydroseed Ext. Improv Ext. Improv Allowances Trees Ext. Improv 30 EA 13,182.75 Deciduous - 2.5" cal 439.42 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 20,004.14 Evergreen - 3.5" cal 40 EA 500.10 Ext. Improv Ext. Improv Tree guying w/ stakes,cable,turnbuckles and base wrap 170 EA 40.01 6.802.47 Ext. Improv Ext. Improv Shrubs Allowances Shrubs - 18"-24" 300 EA 47.22 14,166.93 Ext. Improv Ext. Improv Shrubs - 24"-36" 200 EA 58.37 11,674.42 Ext. Improv Ext. Improv Plantings Allowances 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 Ext. Improv Landscaping Allowances Ext. Improv 1,200 SY 8.56 10,272.43 Landscaping mulch Ext. Improv Allowances Ext. Improv Site Concrete 53,240 SF 4.06 216,320.67 Ext. Improv Sidewalks, concrete, broom finish, 4" Gravel base for concrete sidewalk, 4" 53 240 SE 72 243 53 1.36 Ext. Improv 1,672,35 Sloped concrete ADA ramp 200 SF Ext. Improv 8.36 Ext. Improv CG12 type ADA sidewalk ramp 14 EA 260.35 3.644.91 966 LF 21,673.46 Ext. Improv Concrete steps on grade 22.44

800 SF

Ext. Improv Ext. Improv Subtotal

Utility pad, concrete

Ext. Improv

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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 Ext. Improv

4,146,926.18

9.511.23

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45.00

Project: City of Harrisonburg - New High School Client: Location: Harrisonburg, Virginia Owner/		Owner/Dept: Owner/Entity:	Grimm of HPS City of I	-					STAT BOX Acres buildable Slab on Grade Slab on Deck	Verify w designer 45.00 122649.00 65306.00					
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Description				Quantity US	UM t	o GC [US]	Material	Material	Labor	Labor	Cost Loaded	Equipment	Extension	Equipment	+Taxes & Brdn

Utilities	UTILITIES					
Utilities						
Utilities	Primary utilities allowances					
Utilities	Primary electrical wiring and transformers			er by public utility unless otherwise noted		
Utilities	Primary telephone			er by public utility unless otherwise noted		
Utilities	Primary gas			er by public utility unless otherwise noted		
Utilities	Water and sewer tap fees		cluded			
Utilities	Inspections - TV camera		fer to General Condition	ns		
Utilities	Traffic signalization	Ex	cluded			
Utilities	Test pit		10 EA		330.19	3,301.90
Utilities						
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						
Utilities	Site Electrical Utilities allowances	Pri		rmers by utility company		
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						
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	ů.					
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
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Report:		gn Cost Estimate				pt / Schemat n & Parker	ic Design	Prep by:			December 7, 2017			Acres buildable	45.00
Project: Location:	Harrisonburg	onburg - New Hig	gn School		HPS	1 & Parker		Chckd by: D&S Job no.:		Date [Revised]					
Addl Ref:	Drawings Dat			Owner/Entity:		Harrisonhur	'n	LAN ref:	112017	platform rev. 2017		©Downey & Scott 2017		Slab on Grade	122649.00
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					Express	Written Permi	ssion And Con	sent Of Downey &	Scott LLC.					TOTAL New Add GSF	187955.00 187955.00
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Be Reproduced, Changed Or	r Copied In Any Fo	orm Or Matter What	soever, Without		Express U1	Written Permi	ssion And Cons			Raw Extension Labor	Total Unit Cost Loaded	Raw Unit Cost Equipment	Total Unit Cost Extension	TOTAL Comb. GSF	187955.00

Utilities	Water Supply & Distribution Systems			
Utilities	Wet tap	2 EA	4,079.36	8,158.72
Utilities	Concrete meter vault, 6' x 6' x 6'	1 EA	5,756.83	5,756.83
Utilities	Meter and valve assembly	1 EA	4,299.48	4,299.48
Utilities	2" Copper pipe	60 LF	41.44	2,486.52
Utilities	4" DIP	to stadium buildings 800 LF	28.76	23,007.35
Utilities	6" DIP	200 LF	34.57	6,914.64
Utilities	8" DIP	2,800 LF	46.72	130,804.37
Utilities	6" Valve w/ post indicator	6 EA	1,419.51	8,517.04
Utilities	8" Valve w/ post indicator	12 EA	1,694.67	20,335.98
Utilities	Tee	6 EA	837.09	5,022.57
Utilities	Elbow	10 EA	757.12	7,571.24
Utilities	Fire hydrant	4 EA	2,488.38	9,953.51
Utilities	Joint restraint, 8"	156 EA	294.11	45,751.07
Utilities	Thrust blocks	20 EA	168.29	3,365.70
Utilities				
Utilities	Excavation & backfill	2,573 CY	20.06	51,617.47
Utilities	Pipe bedding	257 CY	29.70	7,643.04
Utilities	Spoils removal	515 CY	18.64	9,594.40
Utilities				
Utilities	Sanitary Sewer Systems			
Utilities	Manholes, precast	6 EA	1,966.26	11,797.58
Utilities	Manholes, dog house	1 EA	2,527.78	2,527.78
Utilities	Cleanout	4 EA	289.35	1,157.42
Utilities	4" PVC	40 LF	5.26	210.24
Utilities	6" PVC	60 LF	7.62	457.48
Utilities	8" PVC	1,993 LF	13.80	27,509.86
Utilities				
Utilities	Excavation & backfill	1,240 CY	20.06	24,878.61
Utilities	Pipe bedding	124 CY	29.70	3,683.79
Utilities	Spoils removal	248 CY	18.64	4,624.31

STAT BOX Verify w designer 45.00 Report: Concept Design Cost Estimate Status: Concept / Schematic Design Prep by: Date [subm]: December 7, 2017 Acres buildab Project: City of Harrisonburg - New High School Client: Grimm & Parker Chckd by: bd/sm Date [Revised] Harrisonburg, Virginia HPS D&S Job no.: 112017 Location Owner/Dept: platform rev. 2017 ©Downey & Scott 2017 122649.00 Addl Ref: Drawings Dated 11/20/2017 Owner/Entity: City of Harrisonburg LAN ref: Slab on Grade Slab on Deck 65306.00 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. OTAL New Add GSF 187955.00 OTAL Comb GSF 187955.00 Raw Extension Equipment Raw Unit Cost Material Raw Extension
Materia Loaded Extension Storm Sewer Systems Allowances Utilities SWM detention and treatment allowance 1 LS 156,349.63 156,349.63 Utilities Utilities Cleanout for rain leader 8 EA 289.35 2,314.84 40 EA 1,378.42 55,136.89 Grate inlet 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 allowance 4 EA 48,152.69 192,610.75 Utilities Onsite raingarden 200 TNS 45.99 9,198.73 Rip rap Utilities 6" PVC 3.000 LF 7.62 22.873.88 Utilities 12" RCF 800 LF 32.58 26.065.19 Utilities 15" RCP 2.000 LF 38.43 76.857.19 Utilities Utilities 18" RCP 800 LF 46.18 36.943.87 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 36" RCP 460 LF 126.97 58,405.73 Utilities Utilities Utilities Excavation & backfill 7,001 CY 20.06 140,439.94 Pipe bedding 700 CY 29.70 20,795.05 Utilities 1,400 CY 18.64 26,104.28 Spoils removal Utilities Utilities Utilities Tie into storm at park 1 LS 11,694.22 11,694.22 Allowance Utilities Utilities Utilities Utilities Subtotal Utilities Sales taxes 6.00% for material and equipment Utilities Payroll brdn 42.00% labor burden Utilities Utilities Utilities SC MU OH & P on self performed work UTILITIES WORK Div. TOTAL 2,021,658.81 Project Mark-Ups MARK-UPS Project Mark-Ups Project Mark-Ups 45,469,752.91 OH & profit 4.75% 2,159,813.26 Project Mark-Ups Project Mark-Ups Subtotal 47,629,566,18 1.00% 476,295,66 Project Mark-Ups Bonds Project Mark-Ups Subtotal 48,105,861.84 0.42% 202,044.62 Project Mark-Ups Insurance Project Mark-Ups Subtotal 48,307,906.46 Contingency 15.00% 7,246,185.97 Project Mark-Ups 55,554,092.43 Project Mark-Ups Subtotal 4.999.868.32 Project Mark-Ups Escalation 9.00% 60,553,960.75 Project Mark-Ups Subtotal Project Mark-Ups Local taxes 0.13% 60,632,680.90 Project Mark-Ups TOTAL 33.35%

Report: Project: Location: Addl Ref: 2017 © Downey & Scott LLC.	City of Harrison Harrisonburg, Drawings Date	gn Cost Estimate onburg - New Hig Virginia ed 11/20/2017	jh School	Status: Client: Owner/Dept: Owner/Entity:	Grimm HPS City of		rg	Prep by: Chckd by: D&S Job no.: LAN ref:	ja/mvd bd/sm 112017	Date [subm]: Date [Revised] platform rev. 2017	December 7, 2017	©Downey & Scott 2017		STAT BOX Acres buildable Slab on Grade Slab on Deck	Verify w designer 45.00 122649.00 65306.00
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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

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
	Fencing/railing	1 LS	129,107.78	129,107.78
Football Football	Home side football bleachers, steel frame	1,468 SEAT	296.57	435,370.35
	Visitors side football bleachers, steel frame	300 SEAT	290.37	80,541.86
Football	Football score board	1 EA	208.47	22,936.64
Football		1 PAIR	22,936.64 4,978.14	22,936.64 4,978.14
Football	Football goal post			
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	0.1			
Football	Subtotal			
Football	Sales_taxes 0.06 for material and equipment			
Football	Payroll_brdn 0.42 labor burden			
Football				
Football	Subtotal			\$4,642,052.84
Football				
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	. 5.50 /6		5,424,983.07
Football	Escalation	9.00%		488,248.48
	Subtotal	5.0070		5,913,231.55
Football	Local taxes	0.13%		7,687.20
Football Football	TOTAL	27.55%		\$5,920,918.75
roowall	IVIAL	21.5570		\$5,920,916.75