

Aiken Cost Consultants



LETTER OF TRANSMITTAL

4-Nov-22

2:26 PM

RECIPIENT

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SENDER

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PROJECT INFORMATION

Project Title: Weathers Creek High School
Location: North Carolina
ACC Project #: A+A7
Estimate Format: ACC Progressive 10
Construction Document Estimate

PURPOSE OF TRANSMITTAL

[X] As Requested [X] For Your Use [] For Your File [] For Your Review/Comment [] For Your Information

METHOD OF DELIVERY

[] Direct Express [] US Mail [] Fax [] Hand [X] e-mail

ITEMS TRANSMITTED

	Number	# Pages
Master Summary	<u>1</u>	<u>3</u>
Building Estimate Summary	<u>1</u>	<u>2</u>
Site Estimate Summary	<u>1</u>	<u>1</u>
GC Field Overhead	<u>1</u>	<u>1</u>
Cost Estimate Rationale	<u>1</u>	<u>97</u>
Vendor Quotes	<u> </u>	<u> </u>
Other-	<u> </u>	<u> </u>
Total Items Transmitted (including this page)	<u>6</u>	<u>105</u>

COMMENTS

We have tried to organize the estimate to simplify your review and analysis. Please click on the tabs at the bottom of your screen to navigate through the estimate. We encourage your careful review and appreciate your questions and comments.



MASTER SUMMARY

Construction Document Estimate

For
Weathers Creek High School
Iredell-Statesville Schools
North Carolina

Architect:

ADAMS + ASSOCIATES ARCHITECTURE
126 N Main Street, Mooresville, NC 28115
Columbia, South Carolina 29250

Cost Estimator:

Aiken Cost Consultants
19 West Stone Avenue
Greenville, SC 29609

	Building		Sitework		Total	
	Cost	%	Cost	%	Cost	%
Weathers Creek High School	88,099,742		73,629,543		88,099,742	54%
					73,629,543	46%
Total Probable Base Bid	\$88,099,742	54.5%	\$73,629,543	45.5%	\$161,729,286	100%

Site Cost per Adjusted Gross						
106 ACRE			694,618	ACRE		
Building Cost per Adjusted Gross						
252,813 SF	348	SF			640	SF

Construction Phase Contingency	4,404,987	5.0%	3,681,477	5.0%	8,086,464	5%
Total Construction Cost (TCC)	\$92,504,730		\$77,311,021		\$169,815,750	105%

UNIT PRICE ITEMS

(5% Construction Phase Contingency Not Included)

Unit Price No 1: Removal and Replacement of Unsatisfactory Mass Soil w/
Satisfactory Mass Soil \$121 CY

Unit Price No 2: Removal and Replacement of Unsatisfactory Trench Soil w/
Satisfactory Soil \$124 CY

Unit Price No 3: Mass Rock Excavation & Replacement w/ Satisfactory Soil \$131 CY

Unit Price No 4: Trench rock Excavation & Replacement w/ Satisfactory Soil \$123 CY

Unit Price No 5: 4" 4500 psi Concrete Sidewalk \$0.66 SF

Unit Price No 6: 4" 5000 psi Concrete Sidewalk \$1.23 SF

ALTERNATE PRICE ITEMS

(5% Construction Phase Contingency Not Included)

Alternate No 1: Pedestrian Bridge	\$413,561
Alternate No 2: Guard Booth	\$5,926
Alternate No 3: Geofill Infill at Synthetic Fields	\$784,190

ALLOWANCES PRICE ITEMS

(5% Construction Phase Contingency Not Included)

Allowance No 1: Excavate and Haul Away 2000 CY of unsatisfactory Mass	\$250,734
Allowance No 2: Excavate and Haul Away 200 CY of unsatisfactory Trench soil and replace w/ imported satisfactory soil material	\$25,652
Allowance No 3: Excavate and Haul Away 1000 CY of Mass Rock Removal and replace w/ imported satisfactory soil material	\$134,919
Away 10 CY of Trench Rock Removal and replace w/ imported satisfactory soil material	\$1,268

Project Notes / General Comments

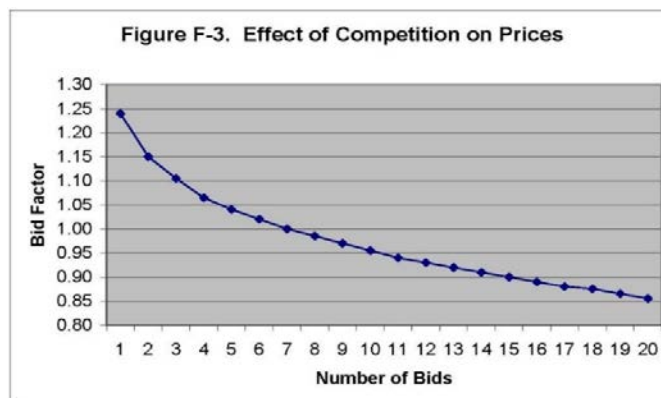
This estimate is based upon CD Documents dated 30 September 2022. Estimate assumes a project bid date of Feb 2023 and a midpoint of construction of Jun 2024.

This estimate utilizes RS Means 2022 construction cost data in addition to historical data and recent quotes. RS Means has just released 2022 third quarter Location Factor updates which have been applied to this estimate.

This estimate has been prepared in accordance with generally accepted estimating practices and principles. Aiken Cost Consultants' staff is available to discuss our methods, pricing, assumptions, or estimating philosophy with any interested party. Please contact us by phone at (864) 232-9342, by fax at (864) 233-2573, or by e-mail at Brad@AikenCost.com.

Aiken Cost Consultants estimates are intended to be used as a professional opinion of the probable cost of construction, based on our understanding of the design at the time the estimate was prepared. We have no control over General or Subcontractor overhead and profit percentages, bidding climates, schedules, contractor's methods of determining prices, continuing design modifications or addenda, etc., therefore, we cannot guarantee that proposals, bids, or actual construction costs will be within a certain range of this, or subsequent, cost estimates.

When preparing each cost estimate submittal Aiken Cost Consultants reviews current market conditions. It is our opinion that current construction market may be less than competitive at both the General Contractor and Sub Contractor levels. One of several resources the Owner should consider when bidding a project is the "Effect of Competition on Prices" chart developed by the U.S. Army Corp of Engineers. Additional project specific factors to consider (when applicable) are; anticipated mid-point of construction, difficult conditions, phasing, Liquidated Damages, limited or set-aside contracting requirements, etc. These multiple factors should also be considered whenever the project is delayed and/or market conditions change significantly.





BUILDING SUMMARY
Construction Document Estimate
 FOR
Weathers Creek High School
Iredell-Statesville Schools
North Carolina

Architect:
 ADAMS + ASSOCIATES ARCHITECT
 126 N Main Street, Mooresville, NC 28
 Columbia, South Carolina 29250

Cost Estimator:
 Aiken Cost Consultants
 19 West Stone Avenue
 Greenville, SC 29609

Project Data		Area Calculation	
Project Code:	A+A7	First Floor	Adjusted Gross 136584 SF
Type of Work:	New Construction	Second Floor	95160 SF
Mid Point of Construction:	Jun 2024	Mech Mezzanine	21069 SF
Est Const Duration:(Months)	30	Total Bldg Area =	252813 SF
Owners Budget:	Unknown		
ACC Last Estimate:	\$139,665,205		

Project Weathers Creek High School				GFA -->	252,813	SF
LEVEL 2 GROUP ELEMENTS		Element			Cost per	%
Level 3 Elements	Quantity	Unit	Rate (\$)	Cost	unit GFA	
A10 FOUNDATION SYSTEM				\$6,080,205	\$24.05	6.9%
A1010 Standard Foundations	142793	SF	27.68	3,952,232	15.63	
A1030 Slab On Grade	142793	SF	14.90	2,127,973	8.42	
B10 SUPERSTRUCTURE				\$10,652,163	\$42.13	12.1%
B1010 Floor Structure	82912	SF	64.04	5,309,280	21.00	
B1020 Roof Construction	165800	SF	32.22	5,342,883	21.13	
B20 EXTERIOR CLOSURE				\$7,836,803	\$31.00	8.9%
B2010 Exterior Walls	94030	SF	59.97	5,638,993	22.30	
B2020 Exterior Windows	11990	SF	151	1,808,710	7.15	
B2030 Exterior Doors	52	LEF	7,483	389,100	1.54	
B30 ROOFING				\$3,246,753	\$12.84	3.7%
B3010 Roof Coverings	165835	SF	19.50	3,233,714	12.79	
B3020 Roof Openings	4	EA	3,260	13,039	0.05	
C10 INTERIOR CONSTRUCTION				\$6,747,202	\$26.69	7.7%
C1010 Partitions	318905	SF	13.97	4,456,432	17.63	
C1020 Interior Doors	335	Opng	3,559	1,192,296	4.72	
C1030 Fittings (Specialties)	252813	SF	4.35	1,098,474	4.35	
C20 STAIRCASES				\$1,092,277	\$4.32	1.2%
C2010 Stair Construction	17	FLT	57,074	970,259	3.84	
C2020 Collaborative/Monumental Stair	1	FLT	122,018	122,018	0.48	
C30 INTERIOR FINISHES				\$3,940,914	\$15.59	4.5%
C3010 Wall Finishes	500010	SF	1.90	952,262	3.77	
C3020 Floor Finishes	214212	SF	6.13	1,313,148	5.19	
C3030 Ceiling Finishes	238614	SF	7.02	1,675,503	6.63	
D10 CONVEYING SYSTEMS				\$115,155	\$0.46	0.1%
D1010 Elevators	2	STP	57,578	115,155	0.46	
D20 PLUMBING				\$4,577,940	\$18.11	5.2%
D2010 Plumbing Fixtures	252813	SF	3.73	941,822	3.73	
D2020 Domestic Water Distribution	252813	SF	5.28	1,335,199	5.28	
D2030 Sanitary Waste & Vent	252813	SF	5.97	1,509,973	5.97	
D2040 Rain Water Drainage	252813	SF	1.81	458,818	1.81	
D2050 Special Plumbing Systems	252813	SF	1.31	332,129	1.31	

Project	Weathers Creek High School				GFA -->	252,813	SF
LEVEL 2 GROUP ELEMENTS		Element				Cost per unit GFA	%
Level 3 Elements		Quantity	Unit	Rate (\$)	Cost		
D30 HVAC					\$18,533,629	\$73.31	21.0%
D3020 HVAC System		252813	SF	73.31	18,533,629	73.31	
D40 FIRE PROTECTION					\$1,513,169	\$5.99	1.7%
D4010 Fire Protection & Sprinkler Systems		252813	SF	5.99	1,513,169	5.99	
D50 ELECTRICAL					\$17,383,452	\$68.76	19.7%
D5010 Electrical Service & Distribution		252813	SF	20.02	5,062,066	20.02	
D5020 Lighting & Branch Wiring		252813	SF	23.79	6,015,195	23.79	
D5030 Communication & Branch Wiring		252813	SF	21.38	5,404,051	21.38	
D5040 Special Electrical Systems		252813	SF	3.57	902,140	3.57	
E10 EQUIPMENT					\$1,895,354	\$7.50	2.2%
E1010 Gym Equipment		252813	SF	3.30	835,396	3.30	
E1020 Institutional Equipment		252813	SF	0.43	109,746	0.43	
E1030 Lab Equipment		252813	SF	0.04	9,212	0.04	
E1090 Kitchen Equipment		252813	SF	3.72	941,000	3.72	
E20 FURNISHINGS					\$1,497,992	\$5.93	1.7%
E2010 Fixed Furnishings		252813	SF	5.93	1,497,992	5.93	

Building Elemental Cost without GC Field Overhead					\$85,113,008	336.66	96.6%
Z20 GC FIELD OVERHEAD							
GC Field Overhead for Building		252,813	SF		2,986,734	11.81	3.4%
Building Cost including GC Field Overhead					\$88,099,742	348.48	100.0%

The above unit prices INCLUDE the following:		
Fees & Permits	GC Home Office Expense	GC Profit
Bond	Escalation to Mid Point of Construction	Sub-Contractor OH&P
State Sales Tax	Non-Competitive Market	

The following items are EXCLUDED from this estimate:	
Design Fees	Auditorium Seating
Inhouse Costs	Furniture or Furnishings (Except as Noted)
Finance Costs	



SITE SUMMARY
Construction Document Estimate
 FOR
Weathers Creek High School
Iredell-Statesville Schools
North Carolina

Architect: ADAMS + ASSOCIATES ARCHITECT 126 N Main Street, Mooresville, NC 2 Columbia, South Carolina 29250	Cost Estimator: Aiken Cost Consultants 19 West Stone Avenue Greenville, SC 29609
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Project Weathers Creek High School				NSA -->	106 ACRE	
LEVEL 2 GROUP ELEMENTS Level 3 Elements	Element				Cost per	%
	Quantity	Unit	Rate (\$)	Cost	unit NSA	
G10 SITE PREPARATION				\$6,495,301	\$61,276	8.8%
G1010 Site Clearing	85	AC	15,851	1,347,323	\$12,711	
G1030 Site Earthwork	349997	CY	14.71	5,147,978	\$48,566	
G20 SITE IMPROVEMENTS				\$44,889,457	\$423,485	61.0%
G2010 Roadways	1	LS	62,059	62,059	585	
G2020 Asphalt Paving	109303	SY	65.67	7,178,173	67,719	
G2030 Pedestrian Paving	197623	SF	10.57	2,088,765	19,705	
G2040 Site Development	106	AC	35,570	3,770,382	35,570	
G2041 Practice Fields	122620	SF	52	6,416,748	60,535	
G2042 Tennis Court	6	EA	530,036	3,180,217	30,002	
G2043 Baseball Field	1	EA	3,570,675	3,570,675	33,686	
G2044 Softball Field	1	EA	2,498,282	2,498,282	23,569	
G2045a Field House	9390	SF	396	3,722,940	35,122	
G2045b Home Concessions	4374	SF	344	1,502,568	14,175	
G2045c Visitor Concessions	3568	SF	392	1,397,833	13,187	
G2045d Baseball/Softball Concessions	1360	SF	439	596,370	5,626	
G2045f Football Stadium	1	EA	6,949,127	6,949,127	65,558	
G2046b Maintenance Building	2734	SF	245	670,342	6,324	
G2050 Landscaping	106	AC	12,122	1,284,975	12,122	
G30 SITE MECHANICAL UTILITIES				\$11,893,562	112,203	16.2%
G3010 Water Supply	24484	LF	219.09	5,364,199	50,606	
G3020 Sanitary Sewer	10825	LF	132.23	1,431,340	13,503	
G3030 Storm Sewer	29687	LF	171.73	5,098,023	48,095	
G40 SITE ELECTRICAL UTILITIES				\$7,855,054	\$74,104	10.7%
G4010 Electrical Distribution	2100	LF	671.78	1,410,742	13,309	
G4020 Site Lighting	106	ACRE	43,388	4,599,177	43,388	
G4030 Site Communications & Security	3	EA	615,045	1,845,135	17,407	
Sitework Elemental Cost without GC Field Overhead				\$71,133,374	671,070	96.6%
Z60 GC FIELD OVERHEAD						
GC Field Overhead for Site Work	106	ACRE		2,496,169	23,549	3.4%

Sitework Cost including GC Field Overhead	\$73,629,543	694,618 100.0%
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The above unit prices INCLUDE the following:		
Fees & Permits	GC Home Office Expense	GC Profit
Bond	Escalation to Mid Point of Construction	Sub-Contractor OH&P
State Sales Tax	Non-Competitive Market	

The following items are EXCLUDED from this estimate:
Design Fees
Inhouse Costs
Finance Costs

A+A7 Weathers Creek High School		GC Field Overhead			Net SF:	252,813
Construction Document Estimate				QUOTE/	UNIT	TOTAL
DESCRIPTION	U/M	MAT'L	INSTALL	TOTAL		COST
Z20/Z60 GC FIELD OVERHEAD						\$5,482,903
Field Personnel						
Supervisor	30	MO	14544	14544		436,313
Asst. Supervisor	30	MO	11815	11815		354,444
Asst. Supervisor	30	MO	11815	11815		354,444
Asst. Supervisor	30	MO	11815	11815		354,444
Safety Supervisor	30	MO	11815	11815		354,444
Field Engineer	30	MO	8645	8645		259,350
Field Engineer	30	MO	8645	8645		259,350
Field Engineer	30	MO	8645	8645		259,350
Clerk	30	MO	2879	2879		86,372
Clerk	30	MO	2879	2879		86,372
Clerk	30	MO	2879	2879		86,372
Field Office Expense						
Field Office Trailer (50'x10')	30	MO	554	554		16,607
Field Office Trailer (50'x10')	30	MO	554	554		16,607
Field Office Lights & HVAC	30	MO	1160	1160		34,788
Office Supplies and Office Equipment Rental	30	MO	725	725		21,743
Insurance	1	LS	383850	383850		383,850
Scheduling - CPM	1	LS	72475	72475		72,475
Utilities						
Temporary Sanitary (Portable Toilets)	30	MO	3624	3624		108,713
Cell Phones	30	MO	580	580		17,394
Vehicles & Equipment						
Pick Up Trucks, 3/4 Ton, 4WD	30	MO	1029	1029		30,875
Pick Up Trucks, 3/4 Ton, 4WD	30	MO	1029	1029		30,875
Pick Up Trucks, 3/4 Ton, 4WD	30	MO	1029	1029		30,875
Pick Up Trucks, 3/4 Ton, 4WD	30	MO	1029	1029		30,875
Pick Up Trucks, 3/4 Ton, 4WD	30	MO	1029	1029		30,875
Pick Up Trucks, 3/4 Ton, 4WD	30	MO	1029	1029		30,875
Gas for equipment	30	MO	3624	3624		108,713
Misc. Equipment	30	MO	12795	12795		383,850
Storage / Tool Trailer	30	MO	4349	4349		130,455
Small Tools	1	LS	144950	144950		144,950
Clean up						
Continuous Cleanup	900	DAY	81.72	413.85	495.57	446,012
Final Cleanup	252,813	SF	0.11	0.33	0.44	112,138
Debris Removal & Disposal	30	MO	2899	2899		86,970
Maintain Haul Routes	1	LS	3479	16554	20033	20,033
Miscellaneous Expenses						
Mobilization & De-Mobilization	1	LS	835	3311	4146	4,146
Project Layout	1	LS	43485		43485	43,485
Project Sign	2	EA	1739	64	1803	3,606
Misc Expenses	1	LS	144950		144950	144,950
QC and Closeout						
Inspections, Quality Control & Testing	1	LS	725	41385	42110	42,110
Contract Closeout	1	EA	725	62078	62802	62,802

Weathers Creek High School					Net SF:	252,813
Construction Document Estimate			EQUIP/	QUOTE/	UNIT	TOTAL
DESCRIPTION	U/M	MAT'L	INSTALL	TOTAL	COST	
A SUBSTRUCTURE						
A10 FOUNDATION SYSTEM						\$6,080,205
A1010 Standard Foundations	142793	SF	@	27.68	=	3,952,232
A1011 Wall Foundations						
Strip Footings & Thickened Slab, reinforced	2150	CY	394	154	548	1,177,323
A1012 Column Footings						
Spread Footings (3000 PSI), incl reinforcing	333					
	380	CY	485	331	816	310,213
A1014 Foundation Walls						
12" thick Reinforced Concrete Foundation Wall	356	SF	88.54	154	243	86,357
16" thick Reinforced Concrete Foundation Wall	563	SF	119	162	281	158,018
20" thick Reinforced Concrete Foundation Wall	7011	SF	147	169	317	2,220,320
A1030 Slab On Grade						
	142793	SF	@	14.90	=	2,127,973
4" Light Ind. SOG, Reinf, VB, Gravel Base, Form, Finish						
	117564	SF	7.10	6.12	13.21	1,553,431
6" Light Ind. SOG, Reinf, VB, Gravel Base, Form, Finish						
	25229	SF	9.44	6.15	15.59	393,199
Termite Pretreatment, Slabs & Walls						
	142793	SF	0.97	0.30	1.27	181,343
B SHELL						
B10 SUPERSTRUCTURE						10,652,163
B1010 Floor Structure	82912	SF	@	64.04	=	5,309,280
Concrete Construction						
3-1/4" light weight concrete slab, wwf, 18 ga., 3" Comp. Stl. Deck, galv	82912	SF	9.89	5.69	15.58	1,291,949
Conc Equipment Platform w/ waterproofing admixture	40000	SF	6.97	8.13	15.10	604,145
Steel Construction						
WF & Tube Steel Beams & Columns (3-6 Stories)	378	TON	6,688	681	7,369	2,785,362
Miscellaneous Steel: Plates, Bolts, Conns, Angles, etc...	40	TON	9,525	3,965	13,489	539,571
Metal Sud Construction						
Auditorium Stage Platform	1500	SF	38.50	20.33	58.84	88,253
B1020 Roof Construction						
	165800	SF	@	32.22	=	5,342,883
Steel Construction						
WF & Tube Steel Beams & Columns (3-6 Stories)	461	TON	6,688	681	7,369	3,396,963
Miscellaneous Steel: Plates, Bolts, Conns, Angles, etc...	46	TON	9,525	3,965	13,489	620,506

A+A7 Weathers Creek High School					Net SF:		252,813
Construction Document Estimate				EQUIP/	QUOTE/	UNIT	TOTAL
DESCRIPTION			U/M	MAT'L	INSTALL	TOTAL	TOTAL COST
B1023 Canopies	Metal Decking, open, galv, 1-1/2" deep, 20ga	32800	SF	4.50	0.85	5.35	175,573
	Ventilated Nailbase Panels (SS roof decking)	133000	SF	6.42	1.88	8.30	1,103,616
	Canopies, wall hung, prefinsihed alum	600	SF	66.88	10.17	77.04	46,225
B20 EXTERIOR CLOSURE							7,836,803
B2010 Exterior Walls		94030	SF	@	59.97	=	5,638,993
B2011 Exterior Wall Construction							
	8" Metal Studs	11899	SF	2.71	2.48	5.19	61,755
	8" Standard CMU Reinforced- Grouted	40478	SF	8.25	10.21	18.46	747,314
	12" Standard CMU Reinforced- Grouted	41653	SF	9.77	15.54	25.31	1,054,357
	4" CMU	4058	SF	2.92	7.47	10.39	42,177
	Brick Veneer	44306	SF	7.00	12.37	19.38	858,457
	4" Ground Face CMU	28587	SF	5.48	8.10	13.58	388,120
	8" Ground Face CMU	910	SF	8.03	9.41	17.44	15,869
	2-1/2" Carrier Channels	35330	SF	0.61	0.66	1.27	44,984
	Insulated Composite Metal Panel	17779	SF		55.85	55.85	993,033
	Composite Metal Panel	9757	SF	26.34	11.07	37.41	364,999
	Metal Soffit System	855	SF	4.43	3.14	7.57	6,473
	Closed Cell Spray Foam Insulation, 2" thick	83020	SF	1.81	0.47	2.28	189,582
	Field Applied Air Barrier	81818	SF	0.03	0.39	0.42	33,970
	Precast Band	4886	LF		35.04	35.04	171,200
	Precast Wall Cap	281	LF	9.96	14.81	24.77	6,961
	Precast Sill	645	LF	8.03	15.85	23.87	15,398
Signage							
	30" Letters	79	EA	540	62.28	602	47,561
	16" Letters	9	EA	187	51.90	239	2,149
	10" Letters	10	EA	87.19	34.60	122	1,218
Scaffolding							
	Erect and dismantle scaffolding	94030	SF		2.10	2.10	197,804
	Rent Scaffolding, 8 months	94030	SF	4.21		4.21	395,613
B2020 Exterior Windows		11990	SF	@	151	=	1,808,710
B2022 Curtain Walls							
	Curtain Wall w/ Low-E insul. Glazed Panel	5525	SF	99.65	52.21	152	839,002
B2023 Storefronts							
	Storefront w/ Tempered Low-E insul. Glazed Panel	6465	SF	95.49	36.42	132	852,806

A+A7 Weathers Creek High School						Net SF:	252,813
Construction Document Estimate							
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL		TOTAL COST
Horizontal Roller Shade	6465	SF	6.20	0.82	7.02		45,379
Alum Sun Shades	1035	SF	62.28	6.82	69.10		71,523
B2030 Exterior Doors	52	LEF	@	7,483	=		389,100
B2031 Glazed Doors & Entrances							
3'x7' alum./ full glass door w/ alum. frame/panic hdwr	6	EA	7,058	2,423	9,481		56,886
Pair 3'x7' alum./ full glass door w/ alum. frame/panic hdwr	13	PR	8,581	3,412	11,993		155,909
B2032 Solid Exterior Doors							
3'x7' HM door w/hm. frame, paint, & panic hdwr.	20	EA	3,391	539	3,930		78,598
Pair 3'x7' HM doors w/ frame/panic hdwr, paint	9	PR	6,643	928	7,571		68,141
B2034 Overhead Doors							
Electric							
Roll-up Overhead Steel Door 8' x 14' (coiling)	1	EA	3,086	1,646	4,732		4,732
Roll-up Overhead Steel Door 14' x 14' (coiling)	3	EA	5,398	2,880	8,278		24,833
B30 ROOFING							3,246,753
B3010 Roof Coverings	165835	SF	@	19.50	=		3,233,714
B3011 Roof Finishes							
Standing Seam , including fasteners & trim,	134360	SF	11.69	3.01	14.70		1,974,615
See B2010 for Insulated Nailable Roof Decking							
High Temp roof Underlayment	134360	SF	0.61	0.17	0.78		104,735
B3012 Traffic Toppings & Paving Membranes							
Reinforced PVC, 60 mils fully adhered	31475	SF	2.54	1.03	3.57		112,504
Walk Pads for b/u roofs, 3' x 3' x 3/4", asp impregnated	1520	SF	12.40	1.48	13.88		21,100
B3013 Roof Insulation & Fill							
1/2" Gypsum cover board	31475	SF	1.40	0.46	1.87		58,712
Polyisocyanurate Rigid Insulation, tapered for drainage	19275	BF	1.32	0.32	1.65		31,712
Polyisocyanurate Rigid Insulation, 5" thick, straight	31475	SF	3.66	0.62	4.28		134,591
Ice & Water Shield	9800	SF	1.73	0.65	2.38		23,282
B3014 Flashings & Trim							
Flashing, Aluminum, Mill Finish, .125" thick	3320	SF	3.11	4.10	7.21		23,945
Prefinished Aluminum Ridge Cap	1010	LF	8.03	3.96	11.99		12,113
Prefinished Aluminum Valley Section	680	LF	8.42	3.96	12.38		8,418
Pre-treated Wood Blocking	45	MBF	2,135	3,200	5,334		240,051
Rail Type Snow Guard	4850	LF	5.08	1.71	6.79		32,951
B3015 Roof Eaves & Soffits							
Fascia, Aluminum (NO furring included)	4850	SF	15.25	5.57	20.81		100,948
Prefinished Metal Soffit	10984	SF	13.21	6.43	19.64		215,777

A+A7 Weathers Creek High School					Net SF:	252,813			
Construction Document Estimate				EQUIP/	QUOTE/	UNIT	TOTAL		
DESCRIPTION	U/M	MAT'L	INSTALL	TOTAL	COST				
B3016 Gutters & Downspouts									
Prefinished Aluminum Gutters, 10"x8" Box-type	1700	LF	20.33	9.25	29.58	50,289			
Prefinished Aluminum Downspouts, 8" x 8"	1200	LF	18.30	7.71	26.01	31,208			
Stainless Steel Downspout Boots, 8" x 8"	52	EA	864	8.10	872	45,349			
Rail Type Snow Guard	1680	LF	5.08	1.71	6.79	11,414			
B3020 Roof Openings				4	EA	@	3,260	=	13,039
B3022 Roof Hatches									
Shipladder	40	LF	264	61.68	326	13,039			
C INTERIORS									
C10 INTERIOR CONSTRUCTION									6,747,202
C1010 Partitions				318905	SF	@	13.97	=	4,456,432
C1011 Fixed Partitions									
4" CMU	6724	SF	3.12	6.30	9.42	63,370			
4" CMU, filled	5016	SF	3.68	6.45	10.13	50,804			
4" CMU, ground face	1881	SF	4.95	7.88	12.83	24,136			
8" CMU	173066	SF	4.66	7.35	12.01	2,077,731			
8" CMU, ground face	19316	SF	7.17	9.00	16.17	312,383			
8" CMU, fire rated, 1hr	18274	SF	6.24	7.55	13.79	252,023			
8" CMU, ground face, fire rated, 1hr	862	SF	8.76	9.20	17.96	15,480			
8" CMU, fire rated, 2hr	22096	SF	6.59	7.61	14.21	313,905			
8" CMU, ground face, fire rated, 2hr	1134	SF	9.11	9.27	18.37	20,835			
12" CMU	30760	SF	7.95	9.53	17.49	537,893			
12" CMU, ground face	3534	SF	8.41	12.05	20.46	72,291			
12" CMU, fire rated, 1hr	1906	SF	6.19	9.80	15.99	30,477			
12" CMU, ground face, fire rated, 1hr	322	SF	6.65	12.31	18.96	6,105			
12" CMU, fire rated, 2hr	7842	SF	7.74	9.93	17.67	138,605			
12" CMU, 3-5/8" MS, batt, 5/8" Gyp Bd	2130	SF	10.50	11.13	21.64	46,084			
5/8" Gyp Brd-1 side on 3 5/8" metal studs,taped & fin	758	SF	2.48	3.11	5.59	4,236			
5/8" Gyp Brd-1 side on 6" metal studs,taped & fin	188	SF	3.10	3.20	6.31	1,186			
5/8" Gyp Brd-2 sides on 6" met studs w/ sound batt	15020	SF	4.62	4.85	9.47	142,213			
5/8" Gyp Brd-2 sides on 6" met studs w/ batt, fire rated	480	SF	7.83	6.98	14.81	7,109			
5/8" Gyp Brd-1 side on 8" met studs w/ batt, fire rated	1416	SF	5.88	4.25	10.13	14,343			
5/8" Gyp Brd-2 sides on 8" met studs w/ batt, fire rated	1696	SF	6.56	5.48	12.04	20,422			
Wire Mesh Partition	850	SF	8.75	1.47	10.22	8,683			
C1017 Interior Windows & Storefronts									
Interior Storefront	2956	SF	41.86	7.41	49.28	145,666			

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
Curtain Wall w/ Low-E insul. Glazed Panel	440	SF	99.65	52.21	152	66,816
Interior Storefront, folding panels	238	SF	337	14.76	351	83,637
C1020 Interior Doors	335	Opng	@	3,559	=	1,192,296
C1021 Interior Doors						
3'x 7' SCW door w/ HM frame, paint, & hdwr	169	EA	1,625	481	2,107	356,008
3'x 7' SCW door, frame, paint, & panic hdwr	1	EA	2,760	601	3,361	3,361
Pair 3'x 7' SCW door w/ HM frame, paint, & hdwr	13	PR	2,609	885	3,494	45,420
3'6"x 7' SCW door w/ HM frame, paint, & hdwr	2	EA	1,869	505	2,374	4,749
Pair 4'x 7' SCW door w/ HM frame, paint, & hdwr	2	PR	3,391	974	4,365	8,730
3'x7' HM door w/ frame, paint & hardware	46	EA	2,095	459	2,553	117,448
3'x7' HM door w/ frame, paint & hardware, louvers	4	EA	2,233	459	2,692	10,766
Pair 3'x7' HM doors w/ frame, paint & hardware	21	PR	3,547	840	4,387	92,130
3'6"x7' HM door w/ frame, paint & hardware	3	EA	2,409	482	2,890	8,671
4'x7' HM door w/ frame, paint & hardware	1	EA	2,723	504	3,227	3,227
Pair 4'x7' HM doors w/ frame, paint & hardware	7	PR	4,611	924	5,535	38,747
Pair 4'x10' HM doors w/ frame, paint & hardware	1	PR	5,994	1,017	7,011	7,011
3'x7' alum./ full glass door w/ alum. frame	7	EA	4,092	1,172	5,265	36,854
Pair 3'x7' alum./ full glass door w/ alum. frame/panic hdw	11	PR	8,095	1,840	9,935	109,283
Lockable Mesh Dutch Door	3	EA	762	300	1,062	3,187
Sliding Wire Mesh Gate	1	EA	1,661	1,024	2,684	2,684
C1022 Fire Rated Doors						
3'x 7' SCW door w/ HM frame, paint, & hdwr	18	EA	2,113	553	2,666	47,994
Pair 3'x 7' SCW door w/ HM frame, paint, & hdwr	4	PR	3,391	1,018	4,409	17,637
3'x7' HM door w/hm. frame, paint, & panic hdwr.	6	EA	2,906	546	3,452	20,714
3'x7' HM door w/hm frame, pnt, & panic hdwr, louvers	10	EA	3,114	546	3,660	36,599
Pair 3'x7' HM doors w/ frame/panic hdwr, paint	5	PR	4,844	717	5,561	27,803
3'6"x7' HM door w/ frame, paint & hardware	2	EA	3,342	573	3,916	7,831
4'x7' HM door w/ frame, paint & hardware	2	EA	3,778	601	4,379	8,758
Pair 4'x7' HM doors w/ frame, paint & hardware	4	PR	6,297	788	7,085	28,341
C1023 Side Lites & Transoms						
Tempered Glass Narrow Lights in doors	188	EA	158		158	29,662
Fire Rated Glass Narrow Lights in doors	48	EA	490		490	23,517
C1024 Counter Doors						
Counter Door, rolling, aluminum	288	SF	82.17	17.06	99.24	28,580
Counter Door, rolling, aluminum, rated	446	SF	115	18.77	134	59,680
C1025 Access Doors						
2'x2' HM Access Door	3	EA	588	68.25	656	1,969
2'x2' HM Access Door, rated	6	EA	754	68.25	823	4,935

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION	U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST	
C1030 Fittings (Specialties)	252813	SF	@	4.35	=	1,098,474
C1028 Toilet Accessories						
Mop & Broom Holder	9	EA	126	29.13	155	1,392
Mirrors (Provided by Owner)						
Soap Dispenser (Provided by Owner)						
Stainless Steel Grab Bars, 18"	48	EA	19.01	24.16	43.18	2,072
Stainless Steel Grab Bars, 36"	48	EA	23.20	29.13	52.33	2,512
Stainless Steel Grab Bars, 42"	76	EA	72.39	29.13	102	7,715
Stainless Steel Grab Bars, L	8	EA	166	29.13	195	1,559
Robe or Coat Hook	131	EA	26.69	6.04	32.73	4,287
Shower Curtain Rod	36	EA	48.84	44.35	93.19	3,355
Shower Seat	12	EA		329	329	3,944
C1032 Toilet Partitions & Stalls						
Toilet Partition, phenolic	82	EA	1,631	165	1,796	147,308
Urinal Partition, phenolic	22	EA	290	193	483	10,623
C1034 Misc. Specialties						
Changing Station, Baby	12	EA	549	58.25	608	7,293
Signs, wall & door	200	SF	225	14.70	240	47,943
Tack Board, alum frame	3760	SF	18.95	3.13	22.07	82,994
Marker Boards, alum frame	12320	SF	24.75	2.54	27.28	336,110
Fire extinguisher w/ alum door & frame	67	EA	403	159	562	37,642
Locker Room Benches	124	LF	144	8.67	153	18,920
Lockers, single tier	185	EA	584	34.42	619	114,473
Lockers, double tier	45	EA	415	23.10	438	19,721
Curtain & Track, cubicle	22	LF	22.52	6.16	28.68	631
Scrim Curtain	1596	SF	18.77	7.38	26.14	41,726
Stage Curtain	5838	SF	16.42	2.77	19.19	112,016
Stage Curtain Track	278	LF	59.12	83.00	142	39,507
Cyclorama Screen	1260	SF	21.77	8.30	30.07	37,887
Aluminum Letters, 10"	22	EA	93.83	46.11	140	3,079
Aluminum Letters, 12"	10	EA	118	69.16	187	1,874
Aluminum Letters, 16"	20	EA	525	69.16	595	11,893
C20 STAIRCASES						1,092,277
C2010 Stair Construction	17	FLT	@	57,074	=	970,259
C2012 Prefabricated Metal Stair Assemblies						
Metal Pan,Cement Filled Stair,Rail,Landings,24 Risers, 6' wide	1	FLT	40,599	5,679	46,278	46,278

A+A7 Weathers Creek High School						Net SF:	252,813
Construction Document Estimate						UNIT	TOTAL
DESCRIPTION	U/M	EQUIP/ MAT'L	QUOTE/ INSTALL			TOTAL	COST
Metal Pan,Cement Filled Stair,Rail,Landings,24 Risers, 10' wide	4	FLT	81,198	11,358		92,556	370,225
Epoxy Stair Treads w/ Contrasting nosing	1100	LFN	22.68	17.21		39.89	43,877
Platform Steps	4	Riser	993	88.04		1,081	4,325
C2013 Railings & Safety Nosing							
Hand Rail, stainless	140	LF	219	24.69		243	34,075
Guardrail, stainless, 2 rail	98	LF	272	19.26		292	28,569
Guardrail, 3 rail	235	LF	107	19.26		126	29,565
Guardrail, stainless steel, perf mesh panels	210	LF	872	26.48		899	188,715
Guardrail, stainless steel, balusters	175	LF	672	17.95		690	120,665
Pair Guardrail Gates, balusters	12	EA	2,616	99.30		2,716	32,589
C2014 Ladders							
Ladder, alternating tread	8	EA	7,377	583		7,959	63,675
Ladder, vertical	60	VLF	97.23	31.11		128	7,701
C2020 Collaborative/Monumental Stair	1	FLT	@	122,018	=		122,018
4" concrete slab, ww,decking, galv	1140	SF	8.81	4.06		12.87	14,676
8" Metal Framing	3000	LF	4.19	2.78		6.97	20,900
Epoxy Stair Treads w/ Contracting nosing	530	LFN	22.68	17.21		39.89	21,141
Hand Rail, stainless	32	LF	219	24.69		243	7,789
Guardrail, stainless steel, perf mesh panels	64	LF	872	26.48		899	57,513
C30 INTERIOR FINISHES							3,940,914
C3010 Wall Finishes	500010	SF	@	1.90	=		952,262
C3011 Wall Finishes							
Paint (low-VOC) drywall, primer & 2 coats- spray	40808	SF	0.24	0.30		0.54	22,196
Paint (low-VOC) masonry, primer & 2 coats- spray	415284	SF	0.44	0.60		1.04	430,027
Epoxy Coating (low-VOC)	40898	SF	0.66	2.85		3.52	143,820
Ceramic Tile Walls, thin set w/ low VOC adhesive	3020	SF	7.36	5.56		12.93	39,034
Prefinished Aluminum Column Wrap, 30"	36	VLF	133	43.00		176	6,321
Wood Wall Cap	48	LF	8.20	2.93		11.13	534
Acoustic Wall Treatments	1	AL		310,330		310,330	310,330
C3020 Floor Finishes	214212	SF	@	6.13	=		1,313,148
C3021 Coatings & Sealers							
Seal Coat Concrete (low-VOC)	133450	SF	0.42	0.18		0.60	80,213
Pick Proof Caulking		LF	0.42	0.18		0.60	
Premium Seal Coat Concrete	5692	SF	1.05	0.07		1.11	6,328

A+A7 Weathers Creek High School						Net SF:	252,813
Construction Document Estimate						UNIT	TOTAL
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL		TOTAL	COST
Epoxy Floor Coating, non slip (low-VOC)	21268	SF	9.45	6.39		15.84	336,872
C3022 Flooring							
Gym Flooring, Wood Finished, Sleepers & Membrane	13440	SF	14.57	7.49		22.06	296,458
Athletic Flooring, rubber, poured	11778	SF	11.08	5.39		16.47	193,998
Rubber Tile	896	SF	5.04	1.71		6.75	6,046
Vinyl Sheet Flooring	9188	SF	8.10	3.50		11.60	106,592
LVT w/ low VOC adhesive	4106	SF	11.69	1.08		12.77	52,428
1/4" Masonite, double layer	1254	SF	3.27	3.91		7.18	9,004
C3023 Carpeting							
Carpet Tile, cushion back w/ low VOC adhesive	12570	SF	7.17	0.75		7.92	99,514
C3024 Tile							
Ceramic Tile Floors, 12"x12", low VOC adh	570	SF	11.25	3.35		14.60	8,322
C3025 Bases, Curbs, & Trim							
Pick Proof Caulking	2450	LF	2.09	0.52		2.61	6,405
Rubber Base, Cove w/ low VOC adhesive	4618	LF	2.76	1.71		4.46	20,611
Ceramic Tile, Cove Base, low VOC adhesive	302	LF	7.40	7.10		14.50	4,378
Integral Base, resin	4516	LF	4.73	4.79		9.52	42,974
Integral Cove Base, sheet vinyl	1220	LF	16.66	3.08		19.73	24,075
Aluminum Base	1060	LF	12.65	5.21		17.86	18,930
C3030 Ceiling Finishes	238614	SF	@	7.02	=		1,675,503
C3031 Ceiling Finishes							
Paint (low-VOC) Ceiling, 3 coats, Spray	69814	SF	0.35	0.72		1.07	74,391
Fire Resistant Coating	2540	SF	1.73	1.19		2.91	7,398
C3032 Suspended Ceilings							
ACT & Grid	58114	SF	5.37	2.28		7.65	444,742
ACT & Grid, washable	4564	SF	4.08	2.28		6.36	29,043
ACT & Grid, NRC	64190	SF	7.83	2.28		10.11	649,117
Gyp Board Ceiling,taped,finish,paint,susp system	34366	SF	1.80	3.73		5.52	189,820
Rated Gyp Bd Ceiling,taped,finish,paint,susp system	1700	SF	2.69	4.47		7.17	12,184
Gyp Board Soffit, taped, finish	3326	SF	1.90	4.64		6.54	21,753
Acoustic Ceiling Treatments	1	AL		211,066		211,066	211,066
C3033 Ceiling Insulation							
Batt Insulation	13308	SF	1.73	0.98		2.70	35,987
D SERVICES							
D10 CONVEYING SYSTEMS							115,155
D1010 Elevators	2	STP	@	57,578	=		115,155

A+A7		Weathers Creek High School				Net SF:	252,813
Construction Document Estimate				EQUIP/	QUOTE/	UNIT	TOTAL
DESCRIPTION		U/M	MAT'L	INSTALL	TOTAL	COST	
D1011 Passenger Elevators							
Elevator (Traction)							
Machine Roomless Traction Passenger Elev, 2 Stops, 3500 #cap.,150 fpm		1	EA		115,155	115,155	115,155
D20 PLUMBING							4,577,940
D2010 Plumbing Fixtures		252813	SF	@	3.73	=	941,822
Plumbing Fixtures							
Water Closet, Flush Valve, Floor Mtd (WC-1)		45	EA	1793	686	2480	111,584
Water Closet, Flush Valve, Flr Mtd, Hdcp'd (WC-1 (H))		63	EA	1842	686	2528	159,271
Urinal, Wall Mtd. (UR-1 & UR-1(H))		18	EA	2268	896	3165	56,964
Lavatory, Wall Hung (L-1 & L-1(H))		34	EA	3063	968	4032	137,082
S/S Sink (L-3 & L-3(H))		3	EA	2627	880	3507	10,522
Lavatory, Wall Hung (WF-3)		18	EA	9306	968	10275	184,949
Lavatory, Wall Hung (WF-4)		2	EA	9888	968	10857	21,713
S/S Sink (SK-1)		4	EA	2627	880	3507	14,029
S/S Sink (SK-1(H))		2	EA	2773	906	3678	7,356
S/S Sink (SK-2)		1	EA	2773	906	3678	3,678
S/S Sink (SK-3(H))		2	EA	2773	906	3678	7,356
S/S Sink (SK-5(H))		2	EA	2773	906	3678	7,356
S/S Sink (SK-6)		2	EA	2036	841	2877	5,754
S/S Sink (SK-7)		1	EA	2627	880	3507	3,507
S/S Sink (SK-7(H))		4	EA	2773	906	3678	14,713
S/S Sink (SK-8)		1	EA	2773	906	3678	3,678
Electric Water Cooler (EWC & EWC-1(H))		9	EA	3044	690	3734	33,608
Shower Head, Hand Held w/Shower Mixing Valve (SHR-1)		12	EA	679	118	796	9,556
Shower Head, Hand Held w/Shower Mixing Valve (SHR-1(H))		4	EA	814	118	932	3,728
Shower Head, Hand Held w/Shower Mixing Valve (SHR-2(H))		8	EA	911	118	1029	8,232
Emergency Eye Wash (EW-1)		6	EA	999	460	1459	8,752
Emergency Eye Wash (EW-2)		3	EA	1338	460	1798	5,394
Emergency Eye Wash/Safety Shower (EWS-1)		9	EA	2402	609	3011	27,098
Tankless Water Heater (GWH-1 thru GWH-12)		12	EA	3160	702	3863	46,351
Ice Maker Connection w/Box & Valve (IMB-1)		4	EA	114	150	264	1,057
Washing Machine Box w/Hose Valves & Drain (WB-1)		4	EA	591	159	750	2,999
Janitor Sink (JR-1, JR-2, & JR-3)		7	EA	5235	1093	6328	44,294
Can Wash Hydrant, Freeze Proof (CWH-1)		1	EA	1047	194	1241	1,241
D2020 Domestic Water Distribution		252813	SF	@	5.28	=	1,335,199

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate					UNIT	TOTAL
DESCRIPTION	U/M	EQUIP/ MAT'L	QUOTE/ INSTALL		TOTAL	COST
Domestic Water Piping						
1/2" Copper Pipe w/Ftgs, Hgrs & Insul.	6586 LF	7.07	17.47		24.54	161,623
3/4" Copper Pipe w/Ftgs, Hgrs & Insul.	3036 LF	8.65	18.49		27.13	82,371
1" Copper Pipe w/Ftgs, Hgrs & Insul.	4518 LF	10.94	20.52		31.46	142,154
1 1/4" Copper Pipe w/Ftgs, Hgrs & Insul.	3335 LF	26.17	22.91		49.09	163,709
1 1/2" Copper Pipe w/Ftgs, Hgrs & Insul.	2552 LF	19.14	25.05		44.19	112,773
2" Copper Pipe w/Ftgs, Hgrs & Insul.	2208 LF	34.30	29.68		63.98	141,268
2 1/2" Copper Pipe w/Ftgs, Hgrs & Insul.	917 LF	49.23	37.21		86.44	79,266
3" Copper Pipe w/Ftgs, Hgrs & Insul.	883 LF	113.99	41.64		155.63	137,417
4" Copper Pipe w/Ftgs, Hgrs & Insul.	632 LF	129.90	55.71		185.62	117,309
6" Copper Pipe w/Ftgs, Hgrs & Insul.	132 LF	461.02	83.07		544.09	71,819
Domestic Water Specialties						
Hose Bibb	34 EA	86.28	30.10		116.38	3,957
Wall Hydrant, Non-freeze (NFWH)	12 EA	843.40	163.86		1007.26	12,087
Roof Hydrant, Non-freeze (NFRH)	2 EA	1651.90	163.86		1815.76	3,632
Mixing Valve (MV-3)	9 EA	1095.45	122.39		1217.84	10,961
Mixing Valve (MV-4)	8 EA	2423.56	168.54		2592.10	20,737
Water Hammer Arrestor (WHA)	42 EA	101.79	90.29		192.08	8,067
6" Double Check Valve Backflow Preventer	1 EA	7975.73	675.50		8651.23	8,651
Pressure Reducing Valve (PRV-1 & PRV-2)	2 EA	6785.98	77.58		6863.56	13,727
Domestic Water Tie-Ins To Lab Sinks by Others	114 EA	62.04	321.03		383.07	43,670
D2030 Sanitary Waste & Vent	252813 SF	@	5.97	=		1,509,973
Sanitary Waste Piping Below Grade						
2" PVC, DWV w/Ftgs (Below Grade)	295 LF	5.69	17.19		22.88	6,749
3" PVC, DWV w/Ftgs (Below Grade)	1389 LF	11.54	21.05		32.59	45,268
4" PVC, DWV w/Ftgs (Below Grade)	1978 LF	17.04	24.34		41.39	81,864
6" PVC, DWV w/Ftgs (Below Grade)	941 LF	50.86	32.97		83.83	78,883
Sanitary Waste & Vent Piping						
1 1/2" CISP No Hub Pipe, Ftgs & Hgrs	714 LF	24.41	23.98		48.39	34,553
2" CISP No Hub Pipe, Ftgs & Hgrs	2969 LF	27.09	22.66		49.75	147,693
3" CISP No Hub Pipe, Ftgs & Hgrs	1838 LF	30.31	23.81		54.12	99,472
4" CISP No Hub Pipe, Ftgs & Hgrs	980 LF	40.48	26.42		66.90	65,563
6" CISP No Hub Pipe, Ftgs & Hgrs	45 LF	76.43	30.77		107.19	4,824
Grease Waste Piping Below Grade						
3" C.I. Bell & Spigot Pipe & Ftgs	134 LF	41.57	25.62		67.18	9,003
4" C.I. Bell & Spigot Pipe & Ftgs	173 LF	55.59	28.10		83.69	14,478
Condensate Piping						

A+A7 Weathers Creek High School						Net SF:	252,813
Construction Document Estimate							
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST	
Condensate Pipe, Ftgs, Hgrs & Insulation		4543	LF	26.45	36.82	63.27	287,439
Hub Drain		103	EA	146.58	54.17	200.75	20,677
Clean Out (WCO)		114	EA	750.34	60.19	810.53	92,400
Sanitary DWV Specialties							
Floor Sink 12 x 12 (FS-1)		11	EA	1384.34	215.36	1599.70	17,597
3" Floor Drain (FD-1, FD-2, &FD-4)		125	EA	719.80	201.31	921.11	115,139
4" Floor Drain (FD-3)		5	EA	1417.78	230.74	1648.53	8,243
Wall Clean Out (WCO)		28	EA	750.34	60.19	810.53	22,695
Floor Clean Out (FCO)		12	EA	803.56	90.29	893.85	10,726
Grade Clean Out (GCO)		4	EA	723.29	90.29	813.58	3,254
Solids Interceptor (S.I.)		1	EA	1526.85	234.08	1760.93	1,761
Sanitary Piping for Lab Sinks by Others		57	EA	436.24	321.03	757.27	43,164
Acid Trap		57	EA	5070.10	167.20	5237.30	298,526
D2040 Rain Water Drainage		252813	SF	@	1.81	=	458,818
Roof Drainage System							
3" CI Roof Drain Assembly		5	EA	1894.79	977.89	2872.67	14,363
4" CI Roof Drain Assembly		10	EA	2379.50	1064.02	3443.52	34,435
6" CI Roof Drain Assembly		12	EA	3128.60	1165.36	4293.96	51,527
8" CI Roof Drain Assembly		17	EA	4142.09	1241.36	5383.45	91,519
3" CISP No Hub Pipe, Ftgs, Hgrs & Insul		74	LF	34.48	30.34	64.82	4,797
4" CISP No Hub Pipe, Ftgs, Hgrs & Insul		232	LF	46.07	34.24	80.31	18,632
6" CISP No Hub Pipe, Ftgs, Hgrs & Insul		445	LF	83.03	40.53	123.56	54,982
8" CISP No Hub Pipe, Ftgs, Hgrs & Insul		552	LF	159.23	60.26	219.49	121,158
6" C.I. Bell & Spigot Pipe & Ftgs		120	LF	96.55	34.38	130.93	15,712
8" C.I. Bell & Spigot Pipe & Ftgs		140	LF	182.54	62.65	245.20	34,328
10" C.I. Bell & Spigot Pipe & Ftgs		20	LF	292.98	66.65	359.63	7,193
12" C.I. Bell & Spigot Pipe & Ftgs		20	LF	424.90	83.74	508.63	10,173
D2050 Special Plumbing Systems		252813	SF	@	1.31	=	332,129
Plumbing Specialties							
Vibration Isolation & Seismic Restraint		252813	SF			0.15	38,817
Submittals and Close Out Documentation		252813	SF		0.08	0.08	20,290
Plumbing Shop Drawings		252813	SF		0.11	0.11	27,054
Plumbing "As Built" Drawings		252813	SF		0.08	0.08	20,290
Pressure Test Domestic / DWV Lines		252813	SF		0.04	0.04	10,145
Disinfect Domestic Water Lines		252813	SF		0.03	0.03	6,763
Pipe Labeling / Tagging		252813	SF		0.07	0.07	16,908

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
Inspection & Limited Commissioning	257869	SF		0.32	0.32	82,784
One Year Contractor Service Warranty	252813	SF		0.05	0.05	13,527
Hot Water Circulating Pump, 2/5 HP (HWCP-1)	1	EA	3441	261	3702	3,702
Hot Water Circulating Pump, 1/12 HP (HWCP-2, -3)	2	EA	1318.42	216.70	1535.11	3,070
Water Pressure Booster Pump, 3 HP	1	EA	15462	1184	16646	16,646
Sump Pump, CI Body, w/ Oil Sensor & Panel	1	EA	3684	201	3884	3,884
Rough-in Kitchen Equipment	12	EA	768	635	1403	16,838
Natural Gas Piping						
¾" C/S T&C Pipe w/Ftgs & Hgrs	353	LF	7.35	17.05	24.40	8,614
1" C/S T&C Pipe w/Ftgs & Hgrs	44	LF	8.99	19.19	28.18	1,240
1 ¼" C/S T&C Pipe w/Ftgs & Hgrs	210	LF	12.24	20.60	32.84	6,897
1 ½" C/S T&C Pipe w/Ftgs & Hgrs	416	LF	14.76	22.81	37.57	15,629
4" C/S BW Pipe w/Ftgs & Hgrs	92	LF	53.12	61.53	114.66	10,548
Gas Pressure Regulator	6	EA	1357.20	56.18	1413.38	8,480
D30 HVAC						18,533,629
D3020 HVAC System	252813	SF	@	73.31	=	18,533,629
HVAC Systems						
Variable Refrigerant Flow HVAC System	16	TN			7677	122,832
Hot Water Boilers						
Gas Fired Hot Water Boiler Assy, 3808 MBH	3	EA	123117	44008	167125	501,375
Air Cooled Chillers						
Air Cooled Screw Chiller, 350 Ton	2	EA	421700	23944	445644	891,287
Air Cooled Scroll Chiller, 130 Ton	1	EA	194855	19931	214785	214,785
Air Handling Units						
ERV 5900 CFM, (ERV-A)	1	EA	92537	12749	105286	105,286
ERV 6600 CFM (ERV-C)	1	EA	132811	17005	149817	149,817
ERV 7000 CFM (ERV-D)	1	EA	139985	17373	157358	157,358
ERV 13000 CFM (ERV-B)	1	EA	196561	22405	218966	218,966
ERV 9400 CFM (ERV- E &G)	2	EA	132811	17005	149817	299,633
Blower Coil Units						
Blower Coil Unit, 4 Pipe, CHW/HHW	135	EA	9694	682	10376	1,400,820
Air Package Units						
Ductless Split Syst., ¾ Ton	4	EA	3514	562	4076	16,304
Ductless Split Syst., 1 Ton	4	EA	3514	776	4290	17,160
Ductless Split Syst., 2 Ton	8	EA	5817	997	6813	54,505
Ductless Split Syst., 2.5 Ton	2	EA	9270	1104	10374	20,747
Ductless Split Syst., 3 Ton	6	EA	9270	1104	10374	62,242
Ductless Split Syst., 4 Ton	2	EA	12358	1104	13462	26,924

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
Air Distribution						
Ductwork						
Galv. Rectangular & Round Duct (2000-5000#)	256777	LB	1.01	14.31	15.32	3,934,031
Double Wall Spiral Duct	1	LS			319875	319,875
Duct Insulation						
Duct Insulation / Liner, 2" Thk, 1½ Lb Density	180750	SF	2.50	9.76	12.27	2,217,042
Duct Silencers (Sound Traps) w/ grilles	30	EA	989	87	1076	32,273
Grilles, Registers & Diffusers						
Ceiling Diffuser	1095	EA	217.15	63.54	280.69	307,354
Sidewall Grille	135	EA	310.22	73.57	383.79	51,811
Duct Mounted Grille	36	EA	523.49	80.26	603.75	21,735
Drum Louver	24	EA	552.57	193.96	746.53	17,917
Linear Slot Diffuser	36	LF	81.43	32.91	114.34	4,116
Cone Diffuser	29	EA	746.46	193.96	940.41	27,272
Louvers & Dampers						
Louvers, Fixed Blade, Stormproof	846	SF	88.22	27.09	115.30	97,548
Kynar Finish / Color By Architect	846	SF	76.58		76.58	64,791
Dampers, Operating	430	SF	121.18	36.12	157.29	67,636
Motor for Damper	20	EA	1037.29	51.50	1088.78	21,776
Fire Damper	150	EA	124.09	76.24	200.33	30,050
Fire/Smoke Dampers	42	SF	872.48	56.18	928.66	39,004
Supply & Exhaust Fans & Vents						
Ceiling Right Angle Exh. Fan, 95 CFM	15	EA	549	83	632	9,474
Inline Fan, 120-150 CFM	3	EA	3151	555	3706	11,117
Inline Fan, 1100-1274 CFM	2	EA	3684	829	4513	9,026
Inline Fan, 1500CFM	1	EA	3393	829	4222	4,222
Inline Fan, 6000 CFM	2	EA	5817	2374	8191	16,382
Centrif. Exhaust Fan, 1100 CFM	6	EA	6301	403	6705	40,227
Centrif. Exhaust Fan, 400 CFM	3	EA	5332	323	5655	16,965
Axial Flow Fan, 12000 CFM, 5HP	1	EA	10034	1405	11438	11,438
Axial Flow Fan, 18000 CFM, 10 HP	1	EA	21133	2408	23541	23,541
Belt Drive Utility Fan, 850 CFM, ½ HP	2	EA	5962	480	6442	12,883
Gravity Intake / Exhaust Hood, 8x8	2	EA	485	387	871	1,743
Gravity Intake / Exhaust Hood, 10x10	1	EA	582	387	968	968
Gravity Intake / Exhaust Hood, 14x14	1	EA	966	387	1352	1,352
Gravity Intake / Exhaust Hood, 16 x 16	1	EA	1066	447	1514	1,514
Unit Heaters						
Elect. Unit Heater, 2KW	2	EA	911	161	1072	2,144
Elect. Unit Heater, 3KW	4	EA	911	161	1072	4,287
Elect. Unit Heater, 5KW	9	EA	960	201	1160	10,443

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
Radiant Ceiling Panel 66000 BTU	2	EA	1357	468	1825	3,651
Radiant Ceiling Panel 33000 BTU	1	EA	1066	468	1535	1,535
Hydronic Circulating Pumps						
Circulating Pump, End Suction, 7 ½ HP	4	EA	40522	9497	50019	200,077
Circulating Pump, End Suction, 20 HP	2	EA	66890	15516	82407	164,814
Circulating Pump, Double Suction, 40 HP	2	EA	64758	24211	88969	177,937
Circulating Pump, Double Suction, 60 HP	2	EA	108576	32371	140946	281,892
HVAC Hydronic Distribution Piping						
¾" C/S Sch 40 Pipe w/Ftgs, Hgrs & Insul	674	LF	19.33	23.37	42.70	28,779
1" C/S Sch 40 Pipe w/Ftgs, Hgrs & Insul	1025	LF	21.83	25.94	47.77	48,962
1 ¼" C/S Sch 40 Pipe w/Ftgs, Hgrs & Insul	1040	LF	25.96	27.60	53.56	55,699
1 ½" C/S Sch 40 Pipe w/Ftgs, Hgrs & Insul	555	LF	29.18	29.94	59.12	32,809
2" C/S Sch 40 Pipe w/Ftgs, Hgrs & Insul	3070	LF	32.67	35.25	67.92	208,502
2 ½" C/S Sch 40 Pipe w/BW Ftgs, Hgrs & Insul	1736	LF	46.53	52.77	99.30	172,388
3" C/S Sch 40 Pipe w/BW Ftgs, Hgrs & Insul	1001	LF	54.19	58.32	112.51	112,624
4" C/S Sch 40 Pipe w/BW Ftgs, Hgrs & Insul	1100	LF	73.29	72.37	145.65	160,220
5" C/S Sch 40 Pipe w/BW Ftgs, Hgrs & Insul	1211	LF	87.93	85.81	173.74	210,394
6" C/S Sch 40 Pipe w/BW Ftgs, Hgrs & Insul	120	LF	89.57	112.49	202.07	24,248
8" C/S Sch 40 Pipe w/BW Ftgs, Hgrs & Insul	736	LF	256	143	399	293,556
10" C/S Sch 40 Pipe w/BW Ftgs, Hgrs & Insul	207	LF	339	174	513	106,237
Controls System						
DDC Controls Systems	252813	SF			10.24	2,587,794
HVAC Specialties						
Vibration Isolation & Seismic Restraint	252813	SF		0.56	0.56	142,031
HVAC Shop Drawings	252813	SF		0.30	0.30	76,088
HVAC "As Built" Drawings	252813	SF		0.22	0.22	55,798
Submittals and Close Out Documentation	252813	SF		0.20	0.20	50,725
Operation & Maintenance Manuals (O & M's)	252813	SF		0.08	0.08	20,290
Inspection & Limited Commissioning	252813	SF		0.32	0.32	81,161
Owner Training For Operating Personnel	252813	SF		0.08	0.08	20,290
One Year Contractor Service Warranty	252813	SF		0.10	0.10	25,363
Piping / Equipment Labeling & Tagging	252813	SF		0.05	0.05	13,527
Pressure Test Ductwork	252813	SF		0.30	0.30	76,088
Hydrostaticly Test HVAC Piping	252813	SF		0.20	0.20	50,725
HVAC Technician for 2 weeks	2	EA			3199	6,398
Controls Technician for 2 weeks	2	EA			3199	6,398
Allowance Commercial Stainless Steel Kitchen Hood	1	EA	37808	4347	42155	42,155
Allowance Commercial Kitchen MUA & Exhaust	1	EA	87248	8695	95943	95,943
Dust Collector, associated duct, hoods & Air Cleaner	1	EA	193885	66881	260766	260,766

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION	U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST	
Variable Frequency Drive, 5 hp (RAF-A1)	1 EA	3829	849	4679	4,679	
Variable Frequency Drive, 10 hp (RAF-B1)	1 EA	5089	950	6039	6,039	
Piping Heat Trace for Freeze Protection	500 LF	19	1	21	10,385	
Ion Generators	169 EA	824	334	1158	195,773	
Chemical Shot Feeder System, 12 Gal.	1 EA	911	1572	2483	2,483	
Expansion Tank, Steel, 211 gal.	1 EA	7998	365	8363	8,363	
Expansion Tank, Steel, 528 gal.	1 EA	14444	468	14913	14,913	
Air Separator, 8" dia.	1 EA	17547	682	18229	18,229	
Air Separator, 8" dia.	1 EA	26349	1605	27954	27,954	
2" Red. Press. Backflow Preventer	1 EA	3005	259	3264	3,264	
Dehumidifier	4 EA	4944	397	5341	21,365	
Chain Fall Hoist - Steel Beam by Others	7 EA			6398	44,783	
Air Side Testing & Balancing						
Start-Up, Test & Balance ERVs	6 EA			847.72	5,086	
Start-Up, Test & Balance Ceiling Cabinet Fans	15 EA			35.83	537	
Start-Up, Test & Balance Roof Exhaust Fans	9 EA			132.89	1,196	
Start-Up, Test & Balance Inline Fans	8 EA			806.09	6,449	
Start-Up, Test & Balance Centrif. & Utility Fans	4 EA			537.39	2,150	
Test & Balance Grilles & Diffusers	1319 EA			73.24	96,602	
Test & Balance Linear Diffusers	9 EA			228.24	2,054	
Test & Balance Lab Fume Hood	4 EA			391.26	1,565	
Enhanced Commissioning	252,813 SF			1.79	452,864	
WaterSide Testing & Balancing						
Start-Up, Test & Balance Chiller	3 EA			551.59	1,655	
Start-Up, Test & Balance Boiler	3 EA			537.39	1,612	
Start-Up, Test & Balance Blower Coil Unit	135 EA			116.81	15,769	
D40 FIRE PROTECTION					1,513,169	
D4010 Fire Protection & Sprinkler Systems	252813 SF	@	5.99	=	1,513,169	
Wet Pipe System						
Wet Pipe Sprinkler System, Lt. Haz. (1st Flr)	120221 SF	3.19	3.07	6.26	752,890	
Wet Pipe Sprinkler System, Lt. Haz. (Above 1st Flr)	121625 SF	2.03	2.54	4.57	555,770	
Wet Pipe Sprinkler System, Ord. Haz. (1st Flr)	13357 SF	3.58	3.27	6.84	91,423	
Dry Pipe System						
Dry Pipe Sprinkler System, Lt. Haz. (1st Flr)	2666 SF	3.61	3.67	7.29	19,424	
Fire Protection Specialties						
4" Wet Standpipe Riser, 2 Floors	1 EA	7087	3751	10837	10,837	
Fire & Booster Pumps						
Electric Fire Pump, 139 HP, 1500 GPM, 100 PSI	1 EA	68248	4280	72528	72,528	
Jockey Pump & related Accessories	1 EA	9694	602	10296	10,296	

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate					UNIT	TOTAL
DESCRIPTION	U/M	EQUIP/ MAT'L	QUOTE/ INSTALL		TOTAL	COST
D50 ELECTRICAL						17,383,452
D5010 Electrical Service & Distribution	252813	SF	@	20.02	=	5,062,066
High School Building Switchboard - Normal Power						
SWBD main breaker, 480 volt, 4000 amp	1	EA	76,671	2,832	79,502	79,502
SWBD_Dist. Section, to 480 volt, 4000 amp	2	EA	15,363	3,387	18,751	37,501
Ground fault protection, ground return path	1	EA	12,609	328	12,938	12,938
Switchboard instruments, metering, V/A/WH	1	EA	22,996	1,181	24,178	24,178
House keeping pad, 5'x5'x8"	3	EA	290	250	540	1,621
Circuit breaker, LA frame, 125-400 amp	14	EA	8,213	386	8,599	120,381
Circuit breaker, FA frame, 480 volt, 3 pole, 15A to 60.	1	EA	1,044	174	1,217	1,217
Transient voltage surge suppressor	1	EA	7,993	403	8,396	8,396
Shelter Switchboard - Emergency Power						
SWBD_MCB, to 480 volt, 2000 amp	1	EA	32,852	2,302	35,154	35,154
SWBD_Dist. Section, to 480 volt, 2000 amp	2	EA	11,257	2,953	14,210	28,420
Ground fault protection, ground return path	1	EA	12,609	328	12,938	12,938
Switchboard instruments, metering, V/A/WH	1	EA	22,996	1,181	24,178	24,178
House keeping pad, 5'x5'x8"	3	EA	290	250	540	1,621
Circuit breaker, MA frame, 700-800 amp	2	EA	11,450	704	12,153	24,307
Circuit breaker, LA frame, 125-400 amp	6	EA	8,213	386	8,599	51,592
Circuit breaker, FA frame, 480 volt, 3 pole, 15A to 60.	1	EA	1,044	174	1,217	1,217
Circuit breaker, FA frame, 480 volt, 2 pole, 15A to 60.	2	EA	734	131	865	1,731
Transient voltage surge suppressor	1	EA	7,993	403	8,396	8,396
High School Building Switchboard - Emergency Power						
SWBD_MCB, to 480 volt, 800 amp	1	EA	14,638	1,781	16,419	16,419
SWBD_Dist. Section, to 480 volt, 4000 amp	2	EA	15,363	3,387	18,751	37,501
House keeping pad, 5'x5'x8"	3	EA	290	250	540	1,621
Circuit breaker, MA frame, 450-600 amp	1	EA	11,305	573	11,878	11,878
Circuit breaker, LA frame, 125-400 amp	2	EA	8,213	386	8,599	17,197
Circuit breaker, FA frame, 480 volt, 3 pole, 15A to 60.	1	EA	1,044	174	1,217	1,217
Transient voltage surge suppressor	1	EA	7,993	403	8,396	8,396
Switchboard Breakers						
Circuit breaker, FA frame, 480 volt, 3 pole, 15 to 60 a	2	EA	1,044	174	1,217	2,434
Circuit breaker, FA frame, 480 volt, 3 pole, 70 to 100	1	EA	2,367	229	2,597	2,597
Circuit breaker, KA frame, 70-225 amp	8	EA	2,705	288	2,994	23,951
Circuit breaker, LA frame, 125-400 amp	15	EA	8,310	400	8,709	130,638
Circuit breaker, MA frame, 450-600 amp	2	EA	11,305	573	11,878	23,756
Circuit breaker, MA frame, 700-800 amp	2	EA	11,450	704	12,153	24,307
Circuit breaker, 3 pole, 2000 amp	1	EA	50,389	3,214	53,603	53,603

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate			EQUIP/	QUOTE/	UNIT	TOTAL
DESCRIPTION	U/M	MAT'L	INSTALL	TOTAL	COST	
D5013 Panels						
High School Building Panels - Normal Power						
Panelboard, 400A, 480 volt, MCB, 42 ckt., w/1P brkrs	13	EA	12,175	3,865	16,040	208,516
Panelboard, 225, 480 volt, MCB, 42 ckt., w/1P brkrs	5	EA	22,996	3,301	26,297	131,485
Panelboard, 100A, 480 volt, MCB, 30 ckt., w/1P brkrs	7	EA	15,122	2,432	17,554	122,875
Panelboard TVSS	14	EA	1,403	350	1,753	24,535
Panelboard, 400A, 208 volt, MCB, 42 ckt., w/1P brkrs	6	EA	9,711	3,691	13,402	80,413
Panelboard, 300A, 208 volt, MCB, 42 ckt., w/1P brkrs	9	EA	9,711	3,691	13,402	120,619
Panelboard, 225A, 208 volt, MCB, 42 ckt., w/1P brkrs	8	EA	8,648	3,301	11,948	95,587
Panelboard, 100A, 208 volt, MCB, 30 ckt., w/1P brkrs	2	EA	6,860	2,302	9,162	18,324
Panelboard TVSS	14	EA	1,403	350	1,753	24,535
Shelter Panels - Emergency Power						
Panelboard, 400A, 480 volt, MCB, 42 ckt., w/1P brkrs	1	EA	12,175	3,865	16,040	16,040
Panelboard, 225, 480 volt, MCB, 42 ckt., w/1P brkrs	1	EA	22,996	3,301	26,297	26,297
Panelboard, 100A, 480 volt, MCB, 30 ckt., w/1P brkrs	2	EA	15,122	2,432	17,554	35,107
Panelboard, 400A, 208 volt, MCB, 42 ckt., w/1P brkrs	3	EA	9,711	3,691	13,402	40,206
Panelboard, 300A, 208 volt, MCB, 42 ckt., w/1P brkrs	2	EA	9,711	3,691	13,402	26,804
Panelboard, 225A, 208 volt, MCB, 42 ckt., w/1P brkrs	2	EA	8,648	3,301	11,948	23,897
Panelboard TVSS	1	EA	1,403	350	1,753	1,753
High School Building Panels - Emergency Power						
Panelboard, 600A, 480 volt, MCB, 42 ckt., w/1P brkrs	1	EA	33,432	4,821	38,252	38,252
Panelboard, 225, 480 volt, MCB, 42 ckt., w/1P brkrs	5	EA	22,996	3,301	26,297	131,485
Panelboard, 200, 480 volt, MCB, 42 ckt., w/1P brkrs	1	EA	22,996	3,301	26,297	26,297
Panelboard, 150, 480 volt, MCB, 42 ckt., w/1P brkrs	1	EA	22,996	3,301	26,297	26,297
Panelboard, 125A, 480 volt, MCB, 30 ckt., w/1P brkrs	1	EA	15,122	2,432	17,554	17,554
Panelboard, 100A, 480 volt, MCB, 30 ckt., w/1P brkrs	10	EA	15,122	2,432	17,554	175,536
Panelboard TVSS	16	EA	1,403	350	1,753	28,040
Panelboard, 300A, 208 volt, MCB, 42 ckt., w/1P brkrs	2	EA	9,711	3,691	13,402	26,804
Panelboard, 225A, 208 volt, MCB, 42 ckt., w/1P brkrs	2	EA	8,648	3,301	11,948	23,897
Panelboard, 200A, 208 volt, MCB, 42 ckt., w/1P brkrs	3	EA	8,648	3,301	11,948	35,845
Panelboard, 100A, 208 volt, MCB, 30 ckt., w/1P brkrs	3	EA	6,860	2,302	9,162	27,486
Panelboard TVSS	4	EA	1,403	350	1,753	7,010
Multi-pole Breakers						
Circuit breaker, 10KAIC, 2 pole, 15-50 amp, 240 volt	51	EA	123	115	237	12,106
Circuit breaker, 10KAIC, 3 pole, 15-60 amp, 208 volt	44	EA	373	149	521	22,946
Circuit breaker, 10KAIC, 3 pole, 70 amp, 208 volt	2	EA	475	184	660	1,319
Circuit breaker, 10KAIC, 3 pole, 80-100 amp, 208 volt	1	EA	555	255	810	810
Circuit breaker, 22KAIC, 3 pole, 70-225 amp, 208 volt	10	EA	744	400	1,144	11,435

A+A7		Weathers Creek High School				Net SF:	252,813
Construction Document Estimate				EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
DESCRIPTION		U/M					
Circuit breaker, 15-60 amp, 3 pole, 480V		171	EA	744	122	866	148,166
Circuit breaker, 70-100 amp, 3 pole, 480V		19	EA	899	254	1,152	21,892
Circuit breaker, KA frame, 70-225 amp		31	EA	2,705	288	2,994	92,809
Circuit breaker, LA frame, 125-400 amp		5	EA	8,310	400	8,709	43,546
Circuit breaker, MA frame, 450-600 amp		1	EA	11,305	573	11,878	11,878
D5014 Interior Distribution Transformers							
High School Building Transformers - Normal Power							
Transformer, 75 KVA, 3 phase, 480/120/208		12	EA	8,938	2,519	11,457	137,478
Transformer, 150 KVA, 3 phase, 480/120/208		3	EA	13,865	2,894	16,759	50,277
House keeping pad, 4'x4'x6"		15	EA	162	150	312	4,680
1 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'		380	LF	6.86	9.81	16.68	6,337
1 1/2" EMT elbow		48	EA	10.63	36.48	47.11	2,261
1 1/2" EMT connector		24	EA	4.95	14.77	19.71	473
1 1/2" EMT coupling		96	EA	17.59	23.28	40.86	3,923
1 1/2" RGS coupling		12	EA	7.19	11.47	18.65	224
1 1/2" Flex		36	LF	4.44	17.72	22.16	798
1 1/2" Flex connector		12	EA	14.11	22.15	36.26	435
1 1/2" 90D Flex connector		12	EA	72.47	38.22	111	1,328
1 1/2" ground bushing		12	EA	34.49	57.33	91.82	1,102
#6 THHN wire, copper		540	LF	0.81	1.36	2.18	1,175
#1/0 THHN wire, copper		1620	LF	3.73	2.78	6.51	10,545
2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'		30	LF	9.31	11.47	20.78	623
2" EMT elbow		12	EA	16.04	46.03	62.07	745
2" EMT connector		6	EA	6.76	18.41	25.18	151
2" EMT coupling		24	EA	23.77	29.70	53.47	1,283
2" RGS coupling		3	EA	9.02	13.72	22.75	68.24
2" Flex		9	LF	5.57	23.02	28.58	257
2" Flex connector		3	EA	20.97	32.83	53.80	161
2" 90D Flex connector		3	EA	103	51.25	155	464
2" ground bushing		3	EA	44.45	70.35	115	344
#4 THHN wire, copper		50	LF	1.73	1.74	3.47	173
250 kcmil THHN wire, copper		150	LF	8.41	4.60	13.01	1,951
Exothermic weld		15	EA	18.17	127	145	2,175
#2 THHN wire, copper		300	LF	1.92	1.96	3.89	1,166
#2 THHN wire termination - Crimp 1-hole lug, CU/AL		12	EA	5.37	35.61	40.98	492
#1/0 THHN wire, copper		60	LF	3.73	2.78	6.51	391
#1/0 THHN wire termination - Crimp 1-hole lug, CU/AL		3	EA	11.69	48.64	60.33	181
Shelter Transformers - Emergency Power							

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
Transformer, 75 KVA, 3 phase, 480/120/208	3	EA	8,938	2,519	11,457	34,370
Transformer, 225 KVA, 3 phase, 480/120/208	1	EA	19,904	3,859	23,764	23,764
House keeping pad, 4'x4'x6"	3	EA	162	150	312	936
House keeping pad, 5'x5'x8"	1	EA	348	257	605	605
1 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	140	LF	6.86	9.81	16.68	2,335
1 1/2" EMT elbow	12	EA	10.63	36.48	47.11	565
1 1/2" EMT connector	6	EA	4.95	14.77	19.71	118
1 1/2" EMT coupling	24	EA	17.59	23.28	40.86	981
1 1/2" RGS coupling	3	EA	7.19	11.47	18.65	55.96
1 1/2" Flex	9	LF	4.44	17.72	22.16	199
1 1/2" Flex connector	3	EA	14.11	22.15	36.26	109
1 1/2" 90D Flex connector	3	EA	72.47	38.22	111	332
1 1/2" ground bushing	3	EA	34.49	57.33	91.82	275
#6 THHN wire, copper	200	LF	0.81	1.36	2.18	435
#1/0 THHN wire, copper	600	LF	3.73	2.78	6.51	3,905
3" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	460	LF	16.62	18.41	35.03	16,115
3" EMT elbow	8	EA	55.08	102	158	1,261
3" EMT connector	4	EA	27.92	34.05	61.97	248
3" EMT coupling	16	EA	168	43.43	212	3,385
3" RGS coupling	2	EA	29.37	17.37	46.74	93.49
3" Flex	6	LF	11.50	35.61	47.11	283
3" Flex connector	2	EA	53.14	44.30	97.44	195
3" 90D Flex connector	2	EA	300	63.41	363	726
3" ground bushing	2	EA	73.43	83.38	157	314
#1 THHN wire, copper	500	LF	3.09	2.29	5.38	2,692
350 kcmil THHN wire, copper	1500	LF	11.69	5.11	16.80	25,198
Exothermic weld	4	EA	18.17	127	145	580
#2 THHN wire, copper	60	LF	1.92	1.96	3.89	233
#2 THHN wire termination - Crimp 1-hole lug, CU/AL	3	EA	5.37	35.61	40.98	123
#1/0 THHN wire, copper	20	LF	3.73	2.78	6.51	130
#1/0 THHN wire termination - Crimp 1-hole lug, CU/AL	1	EA	11.69	48.64	60.33	60.33
High School Building Transformers - Emergency Power						
Transformer, 75 KVA, 3 phase, 480/120/208	7	EA	8,938	2,519	11,457	80,196
House keeping pad, 4'x4'x6"	7	EA	162	150	312	2,184
1 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	160	LF	6.86	9.81	16.68	2,668
1 1/2" EMT elbow	28	EA	10.63	36.48	47.11	1,319
1 1/2" EMT connector	14	EA	4.95	14.77	19.71	276
1 1/2" EMT coupling	56	EA	17.59	23.28	40.86	2,288
1 1/2" RGS coupling	7	EA	7.19	11.47	18.65	131
1 1/2" Flex	21	LF	4.44	17.72	22.16	465

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
1 1/2" Flex connector	7	EA	14.11	22.15	36.26	254
1 1/2" 90D Flex connector	7	EA	72.47	38.22	111	775
1 1/2" ground bushing	7	EA	34.49	57.33	91.82	643
#6 THHN wire, copper	300	LF	0.81	1.36	2.18	653
#1/0 THHN wire, copper	900	LF	3.73	2.78	6.51	5,858
Exothermic weld	4	EA	18.17	127	145	580
#2 THHN wire, copper	140	LF	1.92	1.96	3.89	544
#2 THHN wire termination - Crimp 1-hole lug, CU/AL	7	EA	5.37	35.61	40.98	287
D5015 Enclosed Switches and Circuit Breakers						
100 amp enclosed circuit brkr, 3p, NEMA 1	6	EA	1,420	370	1,790	10,742
125 amp enclosed circuit brkr, 3p, NEMA 1	7	EA	3,623	565	4,188	29,316
250 amp enclosed circuit brkr, 3p, NEMA 1	3	EA	5,411	1,042	6,453	19,360
240 volt, 600 amp, Gen Duty, FDS, 3p, nema 1, w/fuses	6	EA	3,768	1,477	5,245	31,469
Manual Motor Starter - 120V 1-pole, NEMA 1	124	EA	232	144	376	46,634
240 volt, 60 amp, 2p, NEMA 1, NFSS	5	EA	139	400	539	2,693
240 volt, 30 amp, HD, FDS, 2p, NEMA 1, w/fuses	4	EA	156	262	418	1,671
240 volt, 30 amp, HD, FDS, 2p, NEMA 1, w/fuses	26	EA	156	262	418	10,865
240 volt, 30 amp FDS, 2p, NEMA 3R, w/fuses	26	EA	261	297	558	14,506
240 volt, 30 amp FDS, 3p, NEMA 3R, w/fuses	2	EA	356	297	653	1,305
240 volt, 400 amp FDS, 3p, NEMA 3R, w/fuses	1	EA	2,464	1,147	3,610	3,610
600 volt, 30 amp FDS, 3p, NEMA 1, w/fuses	43	EA	338	288	627	26,942
600 volt, 30 amp FDS, 3p, NEMA 3R, w/fuses	2	EA	580	297	877	1,754
600 volt, 60 amp FDS, 3p, NEMA 3R, w/fuses	4	EA	734	419	1,153	4,612
600 volt, 100 amp FDS, 3p, NEMA 3R, w/fuses	1	EA	1,034	511	1,545	1,545
600 volt, 400 amp FDS, 3p, NEMA 3R, w/fuses	1	EA	3,334	1,147	4,480	4,480
600 volt, 600 amp FDS, 3p, NEMA 3R, w/fuses	1	EA	5,627	1,595	7,222	7,222
600 volt, 800 amp FDS, 3p, NEMA 3R, w/fuses	2	EA	10,592	3,474	14,066	28,132
D5019 Panel Feeders						
High School Building Panel Feeders - Normal Power						
100A						
1 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	20	LF	6.86	9.81	16.68	334
1 1/2" EMT elbow	8	EA	10.63	36.48	47.11	377
1 1/2" EMT connector	4	EA	4.95	14.77	19.71	78.85
1 1/2" EMT coupling	16	EA	17.59	23.28	40.86	654
1 1/2" RGS coupling	2	EA	7.19	11.47	18.65	37.31
1 1/2" Flex	6	LF	4.44	18.41	22.86	137
1 1/2" Flex connector	2	EA	14.30	23.02	37.32	74.63
1 1/2" 90D Flex connector	2	EA	56.04	39.95	96.00	192

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
1 1/2" ground bushing	2	EA	34.49	57.33	91.82	184
#8 THHN wire, copper	180	LF	0.67	1.15	1.81	326
#1 THHN wire, copper	360	LF	3.09	2.29	5.38	1,939
150A						
1 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	430	LF	6.86	9.81	16.68	7,170
1 1/2" EMT elbow	28	EA	10.63	36.48	47.11	1,319
1 1/2" EMT connector	14	EA	4.95	14.77	19.71	276
1 1/2" EMT coupling	56	EA	17.59	23.28	40.86	2,288
#6 THHN wire, copper	500	LF	1.06	1.42	2.48	1,239
#1/0 THHN wire, copper	2000	LF	3.73	2.78	6.51	13,018
225A						
2 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	1040	LF	13.14	15.37	28.51	29,655
2 1/2" EMT elbow	24	EA	34.88	76.43	111	2,672
2 1/2" EMT connector	12	EA	18.74	25.54	44.28	531
2 1/2" EMT coupling	48	EA	135	38.22	173	8,328
2 1/2" RGS coupling	1	EA	23.48	16.16	39.63	39.63
2 1/2" Flex	3	LF	6.76	30.66	37.42	112
2 1/2" Flex connector	1	EA	36.81	36.48	73.29	73.29
2 1/2" 90D Flex connector	1	EA	187	57.33	245	245
2 1/2" ground bushing	1	EA	74.40	76.43	151	151
#4 THHN wire, copper	1100	LF	1.73	1.74	3.47	3,813
#4/0 THHN wire, copper	4400	LF	7.25	4.19	11.43	50,306
300A						
3" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	90	LF	16.62	18.41	35.03	3,153
3" EMT elbow	36	EA	55.08	102	158	5,672
3" EMT connector	18	EA	27.92	34.05	61.97	1,115
3" EMT coupling	72	EA	168	43.43	212	15,232
3" RGS coupling	9	EA	29.37	17.37	46.74	421
3" Flex	27	LF	11.50	35.61	47.11	1,272
3" Flex connector	9	EA	53.14	44.30	97.44	877
3" 90D Flex connector	9	EA	300	63.41	363	3,266
3" ground bushing	9	EA	73.43	83.38	157	1,411
#1 THHN wire, copper	180	LF	3.09	2.29	5.38	969
350 kcmil THHN wire, copper	720	LF	11.69	5.11	16.80	12,095
400A						
3 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	5300	LF	21.45	20.41	41.86	221,867
3 1/2" EMT elbow	76	EA	69.57	131	201	15,255
3 1/2" EMT connector	38	EA	39.62	43.43	83.04	3,156
3 1/2" EMT coupling	152	EA	274	48.64	323	49,104
3 1/2" RGS coupling	3	EA	40.58	19.54	60.12	180

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
3 1/2" Flex	9	LF	13.04	44.30	57.34	516
3 1/2" Flex connector	3	EA	186	55.59	241	723
3 1/2" 90D Flex connector	3	EA	870	80.78	950	2,851
3 1/2" ground bushing	3	EA	117	102	219	658
#1/0 THHN wire, copper	5490	LF	3.73	2.78	6.51	35,735
600 kcmil THHN wire, copper	21960	LF	16.33	7.04	23.36	513,091
Shelter Panel Feeders - Emergency Power						
100A						
1 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	20	LF	6.86	9.81	16.68	334
1 1/2" EMT elbow	8	EA	10.63	36.48	47.11	377
1 1/2" EMT connector	4	EA	4.95	14.77	19.71	78.85
1 1/2" EMT coupling	16	EA	17.59	23.28	40.86	654
#8 THHN wire, copper	40	LF	0.67	1.15	1.81	72.53
#1 THHN wire, copper	160	LF	3.09	2.29	5.38	862
150A						
1 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	20	LF	6.86	9.81	16.68	334
1 1/2" EMT elbow	8	EA	10.63	36.48	47.11	377
1 1/2" EMT connector	4	EA	4.95	14.77	19.71	78.85
1 1/2" EMT coupling	16	EA	17.59	23.28	40.86	654
#6 THHN wire, copper	40	LF	1.06	1.42	2.48	99.14
#1/0 THHN wire, copper	160	LF	3.73	2.78	6.51	1,041
225A						
2 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	10	LF	13.14	15.37	28.51	285
2 1/2" EMT elbow	4	EA	34.88	76.43	111	445
2 1/2" EMT connector	2	EA	18.74	25.54	44.28	88.56
2 1/2" EMT coupling	8	EA	135	38.22	173	1,388
#4 THHN wire, copper	20	LF	1.73	1.74	3.47	69.33
#4/0 THHN wire, copper	80	LF	7.25	4.19	11.43	915
300A						
3" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	300	LF	16.62	18.41	35.03	10,510
3" EMT elbow	8	EA	55.08	102	158	1,261
3" EMT connector	4	EA	27.92	34.05	61.97	248
3" EMT coupling	16	EA	168	43.43	212	3,385
3" RGS coupling	3	EA	29.37	17.37	46.74	140
3" Flex	9	LF	11.50	35.61	47.11	424
3" Flex connector	3	EA	53.14	44.30	97.44	292
3" 90D Flex connector	3	EA	300	63.41	363	1,089
3" ground bushing	3	EA	73.43	83.38	157	470
#1 THHN wire, copper	360	LF	3.09	2.29	5.38	1,939
350 kcmil THHN wire, copper	1440	LF	11.69	5.11	16.80	24,190

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
400A						
3 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	570	LF	21.45	20.41	41.86	23,861
3 1/2" EMT elbow	8	EA	69.57	131	201	1,606
3 1/2" EMT connector	4	EA	39.62	43.43	83.04	332
3 1/2" EMT coupling	16	EA	274	48.64	323	5,169
3 1/2" RGS coupling	1	EA	40.58	19.54	60.12	60.12
3 1/2" Flex	3	LF	13.04	44.30	57.34	172
3 1/2" Flex connector	1	EA	186	55.59	241	241
3 1/2" 90D Flex connector	1	EA	870	80.78	950	950
3 1/2" ground bushing	1	EA	117	102	219	219
#1/0 THHN wire, copper	600	LF	3.73	2.78	6.51	3,905
600 kcmil THHN wire, copper	2400	LF	16.33	7.04	23.36	56,075
2000A						
3 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	50	LF	21.45	20.41	41.86	2,093
3 1/2" EMT elbow	20	EA	69.57	131	201	4,014
3 1/2" EMT connector	10	EA	39.62	43.43	83.04	830
3 1/2" EMT coupling	40	EA	274	48.64	323	12,922
250 kcmil THHN wire, copper	100	LF	8.41	4.60	13.01	1,301
600 kcmil THHN wire, copper	400	LF	16.33	7.04	23.36	9,346
High School Building Panel Feeders - Emergency Power						
100A						
1 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	3690	LF	6.86	9.81	16.68	61,531
1 1/2" EMT elbow	44	EA	10.63	36.48	47.11	2,073
1 1/2" EMT connector	22	EA	4.95	14.77	19.71	434
1 1/2" EMT coupling	88	EA	17.59	23.28	40.86	3,596
1 1/2" RGS coupling	1	EA	7.19	11.47	18.65	18.65
1 1/2" Flex	3	LF	4.44	18.41	22.86	68.57
1 1/2" Flex connector	1	EA	14.30	23.02	37.32	37.32
1 1/2" 90D Flex connector	1	EA	56.04	39.95	96.00	96.00
1 1/2" ground bushing	1	EA	34.49	57.33	91.82	91.82
#8 THHN wire, copper	3810	LF	0.67	1.15	1.81	6,908
#1 THHN wire, copper	15240	LF	3.09	2.29	5.38	82,067
125A						
1 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	260	LF	6.86	9.81	16.68	4,336
1 1/2" EMT elbow	4	EA	10.63	36.48	47.11	188
1 1/2" EMT connector	2	EA	4.95	14.77	19.71	39.43
1 1/2" EMT coupling	8	EA	17.59	23.28	40.86	327
#6 THHN wire, copper	270	LF	1.06	1.42	2.48	669
#1/0 THHN wire, copper	1080	LF	3.73	2.78	6.51	7,030

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
150A						
1 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	140	LF	6.86	9.81	16.68	2,335
1 1/2" EMT elbow	16	EA	10.63	36.48	47.11	754
1 1/2" EMT connector	8	EA	4.95	14.77	19.71	158
1 1/2" EMT coupling	32	EA	17.59	23.28	40.86	1,308
#6 THHN wire, copper	180	LF	1.06	1.42	2.48	446
#1/0 THHN wire, copper	720	LF	3.73	2.78	6.51	4,687
200A						
2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	220	LF	9.31	11.47	20.78	4,572
2" EMT elbow	24	EA	16.04	46.03	62.07	1,490
2" EMT connector	12	EA	6.76	18.41	25.18	302
2" EMT coupling	48	EA	23.77	29.70	53.47	2,567
2 1/2" RGS coupling	2	EA	23.48	16.16	39.63	79.27
2 1/2" Flex	6	LF	6.76	30.66	37.42	225
2 1/2" Flex connector	2	EA	36.81	36.48	73.29	147
2 1/2" 90D Flex connector	2	EA	187	57.33	245	490
2 1/2" ground bushing	2	EA	74.40	76.43	151	302
#4 THHN wire, copper	320	LF	1.73	1.74	3.47	1,109
#3/0 THHN wire, copper	1280	LF	5.80	3.68	9.48	12,135
225A						
2 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	1140	LF	13.14	15.37	28.51	32,506
2 1/2" EMT elbow	20	EA	34.88	76.43	111	2,226
2 1/2" EMT connector	10	EA	18.74	25.54	44.28	443
2 1/2" EMT coupling	40	EA	135	38.22	173	6,940
2 1/2" RGS coupling	1	EA	23.48	16.16	39.63	39.63
2 1/2" Flex	3	LF	6.76	30.66	37.42	112
2 1/2" Flex connector	1	EA	36.81	36.48	73.29	73.29
2 1/2" 90D Flex connector	1	EA	187	57.33	245	245
2 1/2" ground bushing	1	EA	74.40	76.43	151	151
#4 THHN wire, copper	1200	LF	1.73	1.74	3.47	4,160
#4/0 THHN wire, copper	4800	LF	7.25	4.19	11.43	54,880
300A						
3" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	290	LF	16.62	18.41	35.03	10,160
3" EMT elbow	16	EA	55.08	102	158	2,521
3" EMT connector	8	EA	27.92	34.05	61.97	496
3" EMT coupling	32	EA	168	43.43	212	6,770
3" RGS coupling	3	EA	29.37	17.37	46.74	140
3" Flex	9	LF	11.50	35.61	47.11	424
3" Flex connector	3	EA	53.14	44.30	97.44	292
3" 90D Flex connector	3	EA	300	63.41	363	1,089

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
3" ground bushing	3	EA	73.43	83.38	157	470
#1 THHN wire, copper	360	LF	3.09	2.29	5.38	1,939
350 kcmil THHN wire, copper	1440	LF	11.69	5.11	16.80	24,190
600A						
3" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	260	LF	16.62	18.41	35.03	9,109
3" EMT elbow	24	EA	55.08	102	158	3,782
3" EMT connector	12	EA	27.92	34.05	61.97	744
3" EMT coupling	48	EA	168	43.43	212	10,155
#1 THHN wire, copper	320	LF	3.09	2.29	5.38	1,723
350 kcmil THHN wire, copper	1280	LF	11.69	5.11	16.80	21,502
800A						
3" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	60	LF	16.62	18.41	35.03	2,102
3" EMT elbow	12	EA	55.08	102	158	1,891
3" EMT connector	6	EA	27.92	34.05	61.97	372
3" EMT coupling	24	EA	168	43.43	212	5,077
#1/0 THHN wire, copper	90	LF	3.73	2.78	6.51	586
300 kcmil THHN wire, copper	360	LF	9.86	4.85	14.70	5,293
D5020 Lighting & Branch Wiring	252813	SF	@	23.79	=	6,015,195
D5021 Light Fixtures						
Type A1 Light	1240	EA	384	96	480	595,041
Type A2 Light	55	EA	384	96	480	26,393
Type A3 Light	336	EA	384	96	480	161,237
Type A4 Light	517	EA	384	96	480	248,094
Type B1 Light	15	EA	384	96	480	7,198
Type C1 Light	14	EA	661	102	762	10,674
Type C2 Light	11	EA	661	102	762	8,386
Type C4 Light	20	EA	661	102	762	15,248
Type C6 Light	8	EA	661	102	762	6,099
Type D1 Light	15	EA	566	174	740	11,103
Type D2 Light	57	EA	216	138	354	20,174
Type E1 Light	191	EA	333	116	449	85,818
Type E2 Light	68	EA	333	116	449	30,553
Type E3 Light	18	EA	333	116	449	8,088
Type E4 Light	4	EA	227	116	343	1,371
Type E5 Light	70	EA	583	154	737	51,577
Type EW1 Light	3	EA	383	203	586	1,759
Type G1 Light	49	EA	817	392	1209	59,240
Type G2 Light	56	EA	472	296	769	43,049

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
Type G5 Light	56	EA	472	296	769	43,049
Type H1 Light	36	EA	539	166	706	25,400
Type M1 Light	71	EA	1919	102	2021	143,516
Type M2 Light	36	EA	1919	102	2021	72,769
Type P1 Light	114	EA	1699	128	1827	208,266
Type P2 Light	6	EA	937	139	1075	6,451
Type P3 Light	38	EA	1103	203	1306	49,644
Type P4 Light	5	EA	1699	128	1827	9,134
Type Q1 Light	94	EA	458	354	812	76,345
Type Q2 Light	26	EA	458	354	812	21,117
Type R1 Light, labor only - FBO	4	EA		166	166	665
Type W3 Light	15	EA	429	135	564	8,453
Type W4 Light	44	EA	833	203	1036	45,578
Type X1 Light	76	EA	271	185	455	34,612
Type X2 Light	68	EA	271	185	455	30,968
Type X3 Light	3	EA	793	211	1004	3,011
Bodine GTD ballast	390	EA	249	102	352	137,231
D5022 Lighting Conduit & Wire						
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	79660	LF	2.32	6.27	8.59	684,385
3/4" EMT connector	6373	EA	0.93	7.41	8.33	53,112
3/4" EMT field bend	22305	EA		10.17	10.17	226,760
4" Square box w/cover (ring), support	3983	EA	3.89	40.82	44.71	178,074
#12 THHN wire, copper	318640	LF	0.66	0.74	1.40	446,133
Fixture whip, (3) #16THHN	3829	EA	17.93	25.49	43.43	166,284
D5023 Lighting Controls						
Switch, 20 amp 1 pole, w/box, ring, cover	53	EA	48.18	99.71	148	7,838
2G Switch, 20 amp 1 pole, w/box, ring, cover	86	EA	61.45	99.71	161	13,860
Switch, 20 amp, 3 way, w/box, ring, cover	54	EA	63.33	104	168	9,048
Switch, 20 amp, 4 way, w/box, ring, cover	4	EA	80.78	113	194	775
Dimmer Switch, LED, w/box, ring, cover	10	EA	291	117	408	4,083
Key Switch, 20 amp 1 pole, w/box, ring, cover	7	EA	85.53	102	188	1,313
Key Switch, 20 amp, 3 way, w/box, ring, cover	16	EA	104	113	217	3,468
Occupancy Sensor, 1-pole, wall	118	EA	145	36.48	181	21,407
Occ Sensor, ceiling, dual technology	196	EA	245	136	382	74,831
Remote power pack	196	EA	71.50	88.59	160	31,379
Photo cell	7	EA	44.45	115	159	1,114
12-zone Lighting Control Panel	1	EA	850	114	964	964
Momentary Contactor Relay	12	EA	213	149	361	4,333
Light Control Panel - 4 Relay	12	EA	2,367	368	2,736	32,827
Control station, H-O-A	12	EA	686	149	835	10,015

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate			EQUIP/	QUOTE/	UNIT	TOTAL
DESCRIPTION	U/M	MAT'L	INSTALL	TOTAL	COST	
D5025 Receptacles						
EPO Switch, 20 amp 1 pole, NEMA 1	17	EA	328	148	475	8,078
Power j-box, 20 amp, w/box, ring, cover	30	EA	29.18	101	130	3,895
Simplex Receptacle, 20 amp, w/box, ring, cover	5	EA	42.82	103	146	732
Duplex Receptacle, 20 amp, w/box, ring, cover	1685	EA	42.44	105	148	248,770
Quad Receptacle, 20 amp, w/box, ring, cover	99	EA	61.01	122	183	18,078
GFI Receptacle, 20 amp, w/ cover	491	EA	81.40	41.85	123	60,512
GFI Quad Receptacle, 20 amp, w/box, ring, cover	16	EA	123	122	244	3,909
WPGFI Receptacle, 20 amp, w/box, ring, wp cover	70	EA	88.28	115	203	14,243
Receptacle/TV outlet, 20 amp, w/box, ring, cover	18	EA	110	101	211	3,796
Receptacle - NEMA 6-20R, w/box, ring, cover	4	EA	72.72	134	206	825
Receptacle - NEMA 6-30R, w/box, ring, cover	5	EA	157	173	331	1,653
Cord Reel, 20 amp, w/4-NEMA 5-20 outlets	24	EA	423	202	625	15,007
Door Bell, tube type, 3 tube system	1	EA	456	73.83	530	530
Floor box, flush mount duplex	79	EA	199	27.79	227	17,920
Floor box, cast iron, 1 gang	19	EA	238	157	395	7,503
Floor box, cast iron, 2 gang	30	EA	350	208	558	16,747
Floor box, carpet flange	49	EA	100	15.72	116	5,694
Receptacle - NEMA 6-50R, w/box, ring, cover	5	EA	210	205	416	2,079
D5026 Receptacle Conduit & Wire						
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	39385	LF	2.32	6.27	8.59	338,369
3/4" EMT connector	4350	EA	0.93	7.41	8.33	36,256
3/4" EMT field bend	14626	EA		10.17	10.17	148,697
4" Square box w/cover (ring), support	2569	EA	3.89	40.82	44.71	114,856
#12 THHN wire, copper	156010	LF	0.66	0.74	1.40	218,432
#10 THHN wire, copper	1530	LF	0.59	0.82	1.40	2,144
1" EMT w/ 11 coup, 2 bends & 2 term. per 100'	250	LF	3.91	7.10	11.01	2,752
1" EMT connector	5	EA	1.79	9.09	10.88	54.41
1" EMT field bend	25	EA		11.17	11.17	279
4 11/16" x 2 1/8"D Square box w/cover (ring), support	5	EA	9.91	40.82	50.73	254
#10 THHN wire, copper	300	LF	0.59	0.82	1.40	420
#6 THHN wire, copper	600	LF	1.04	1.26	2.29	1,376
12-3 SO cable	60	LF	1.72	1.09	2.81	169
1/2" SO cable connector	20	EA	28.02	13.12	41.14	823
D5027 Equipment Connections						
< 1 HP, 120V, flexible motor connection	126	EA	9.82	101.66	111.48	14,047
3 HP, 120V, flexible motor connection	25	EA	18.22	148.65	166.86	4,172
3 HP, 208V, 1ph, flexible motor connection	26	EA	10.95	101.66	112.61	2,928
3 HP, 480V, 3ph, flexible motor connection	43	EA	10.95	101.66	112.61	4,842
3 HP, 250V, 3ph, flexible motor connection	1	EA	12.27	120.15	132.42	132

A+A7		Weathers Creek High School				Net SF:	252,813
Construction Document Estimate				EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
DESCRIPTION		U/M					
60 HP, 480V, 3ph, flexible motor connection		1	EA	42.48	214.11	256.59	257
5 HP, 208V, 1ph, sealtite motor connection		26	EA	19.16	101.66	120.83	3,141
5 HP, 208V, 3ph, sealtite motor connection		2	EA	19.16	101.66	120.83	242
10 HP, 480V, 3ph, sealtite motor connection		4	EA	19.16	101.66	120.83	483
D5028 Equipment Conduit & Wire							
3/4" PVC Sch. 40 conduit		880	LF	2.34	5.62	7.96	7,008
3/4" PVC Sch. 40 elbow		8	EA	1.15	19.41	20.56	164
3/4" PVC Sch. 40 adapter		8	EA	0.59	19.41	19.99	160
3/4" PVC Sch. 40 coupling		16	EA	0.43	19.41	19.84	317
#10 XHHW wire, copper		920	LF	0.50	0.82	1.32	1,211
#6 XHHW wire, copper		2760	LF	1.32	1.26	2.58	7,112
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'		23870	LF	2.32	6.27	8.59	205,075
3/4" EMT connector		530	EA	0.93	7.41	8.33	4,417
3/4" EMT field bend		1590	EA		10.17	10.17	16,165
#12 THHN wire, copper		51200	LF	0.66	0.74	1.40	71,686
#10 THHN wire, copper		20560	LF	0.59	0.82	1.40	28,817
1" EMT w/ 11 coup, 2 bends & 2 term. per 100'		80	LF	3.91	7.10	11.01	881
1" EMT connector		6	EA	1.79	9.09	10.88	65.29
1" EMT field bend		18	EA		11.17	11.17	201
#10 THHN wire, copper		190	LF	0.59	0.82	1.40	266
#8 THHN wire, copper		120	LF	0.65	1.02	1.67	200
#4 THHN wire, copper		740	LF	1.69	1.54	3.23	2,390
1 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'		400	LF	6.86	9.81	16.68	6,670
1 1/2" EMT elbow		16	EA	10.63	36.48	47.11	754
1 1/2" EMT connector		8	EA	4.95	14.77	19.71	158
1 1/2" EMT coupling		32	EA	17.59	23.28	40.86	1,308
#6 THHN wire, copper		430	LF	1.06	1.42	2.48	1,066
#1/0 THHN wire, copper		1290	LF	3.73	2.78	6.51	8,397
1 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'		420	LF	6.86	9.81	16.68	7,004
1 1/2" EMT elbow		16	EA	10.63	36.48	47.11	754
1 1/2" EMT connector		8	EA	4.95	14.77	19.71	158
1 1/2" EMT coupling		32	EA	17.59	23.28	40.86	1,308
#1/0 THHN wire, copper		500	LF	3.73	2.78	6.51	3,255
500 kcmil THHN wire, copper		1500	LF	16.81	5.73	22.55	33,818
D5030 Communication & Branch Wiring		252813	SF	@	21.38	=	5,404,051
Fire Alarm System							
F/A - M/N Control Panel		1	EA	16,975	1,494	18,469	18,469
Remote Annunciator		1	EA	937	704	1,641	1,641

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate			EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
DESCRIPTION		U/M				
Battery & rack	1	EA	947	229	1,176	1,176
Charger	1	EA	1,073	115	1,187	1,187
120V Type-1 'Surge Protection Device	1	EA	292	127	419	419
Duct Detector, addressable	24	EA	367	288	656	15,733
AHU shut down relay	24	EA	184	123	307	7,368
Remote Test Switch	24	EA	228	171	399	9,569
Smoke Detector, addressable	113	EA	414	156	570	64,398
Heat Detector, addressable	27	EA	425	127	552	14,903
Pull Station, addressable	60	EA	157	148	304	18,251
Polycarbonate cover for Pull Station	2	EA	170	75.57	245	490
Audio/visual	322	EA	300	167	466	150,148
Audio/visual w/ wire guard	7	EA	410	222	632	4,424
Visual only (strobe)	51	EA	199	132	331	16,884
Visual only (strobe) w/ wire guard	3	EA	388	189	578	1,733
Speaker	61	EA	303	167	470	28,680
Door Holder, combination holder & closer	24	EA	303	276	580	13,910
10" Bell	1	EA	325	115	439	439
Addressable Output Module	2	EA	193	122	316	631
Tamper/Flow / Pressure Switch	2	EA	986	113	1,098	2,197
Carbon Monoxide Detector, addressable	3	EA	889	38.22	927	2,781
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	15100	LF	1.95	6.81	8.76	132,297
3/4" EMT connector	1208	EA	0.95	8.04	8.99	10,860
3/4" EMT field bend	4228	EA		11.03	11.03	46,638
4" Square box w/cover (ring), support	755	EA	20.70	58.11	78.80	59,497
18/2 fire alarm cable	30200	LF	1.22	1.10	2.32	70,080
#14 THHN wire, copper	60400	LF	0.14	0.68	0.82	49,265
Telecom System						
4'x8' plywood Telephone back board	29	EA	131	154	284	8,242
84"x19" 4-post equipment rack	16	EA	1,874	382	2,257	36,107
2-post rack ground kit	16	EA	187	32.83	220	3,525
6" Vertical Data rack/wire management	24	EA	527	316	843	20,225
Horizontal Data rack/wire management, 2 RU	40	EA	90.44	18.07	109	4,354
CAT 6 48 Port Patch Panel	40	EA	574	443	1,017	40,804
Rack-mount PDU, 1 RU, APC - AP9560	8	EA	723	118	841	6,727
Rack housing, 2 RU	4	EA	541	302	843	3,373
Fiber optic patch panel, 12 ports	12	EA	580	139	719	8,625
Floor box, flush mount telephone	24	EA	227	29.76	257	6,165
Biscuit box	183	EA	8.70	12.33	21.03	3,848
1 port wall phone plate, stainless steel	12	EA	15.85	11.55	27.40	329
2 port data plate, stainless steel	692	EA	16.23	12.33	28.57	19,768

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate			EQUIP/	QUOTE/	UNIT	TOTAL
DESCRIPTION		U/M	MAT'L	INSTALL	TOTAL	COST
CAT 6 Jack (label, test)	1605	EA	7.34	13.64	20.98	33,673
Patch panel, punch down termination per port	1605	EA		8.27	8.27	13,271
CAT 6 cable, plenum	240750	LF	0.23	1.27	1.50	361,358
1" EMT w/ 11 coup, 2 bends & 2 term. per 100'	9350	LF	3.25	7.70	10.94	102,308
1" EMT connector	1683	EA	1.84	9.81	11.65	19,608
1" EMT field bend	5423	EA		12.16	12.16	65,943
4 11/16" x 2 1/8"D Square box w/cover (ring), support	935	EA	17.41	60.97	78.38	73,290
18" Cable Tray	2470	LF	34.40	19.63	54.03	133,448
18" Elbow fitting	16	EA	178	285	463	7,403
18" Tee fitting	7	EA	321	443	764	5,346
Cable Tray Support	309	EA	61.84	126	188	57,977
3 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	652	LF	21.45	20.41	41.86	27,294
3 1/2" EMT connector	652	EA	39.62	43.43	83.04	54,145
3 1/2" bushing	652	EA	3.58	83.38	86.96	56,696
3" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	150	LF	16.62	18.41	35.03	5,255
3" EMT elbow	4	EA	55.08	102	158	630
3" EMT connector	2	EA	27.92	34.05	61.97	124
3" EMT coupling	8	EA	168	43.43	212	1,692
12 strand OM3 armored multimode FOC	4500	LF	4.37	1.38	5.75	25,868
Fiber optic connector	144	EA	54.11	38.22	92.33	13,295
PA System						
Intercom Outlets	3	EA	247	110	358	1,073
Volume control	2	EA	110	104	214	429
XLR 3-pin Microphone Jack/Connector	2	EA	7.15	31.27	38.42	76.84
12" Domestic single face wall clock	56	EA	276	115	391	21,896
Speaker	331	EA	267	110	377	124,783
Sound System, wire guard for speaker	25	EA	142	60.80	202	5,059
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	7880	LF	2.28	6.43	8.71	68,617
3/4" EMT connector	630	EA	6.20	7.59	13.79	8,696
3/4" EMT field bend	2206	EA		10.42	10.42	22,997
4" Square box w/cover (ring), support	394	EA	10.05	41.69	51.74	20,386
Speaker cable	8274	LF	0.15	1.04	1.20	9,903
Security System						
Card Reader, Flush type, standard	18	EA	1,314	328	1,642	29,563
Request -to-Exit switch	1	EA	264	175	439	439
Duress switch	68	EA	245	175	421	28,619
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	3480	LF	2.28	6.43	8.71	30,303
3/4" EMT connector	104	EA	6.20	7.59	13.79	1,440
3/4" EMT field bend	452	EA		10.42	10.42	4,715
4" Square box w/cover (ring), support	87	EA	10.05	41.69	51.74	4,501

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate			EQUIP/	QUOTE/	UNIT	TOTAL
DESCRIPTION		U/M	MAT'L	INSTALL	TOTAL	COST
18/4pr shielded security system cable	3654	LF	4.27	1.81	6.08	22,207
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	590	LF	2.28	6.43	8.71	5,138
3/4" EMT connector	106	EA	6.20	7.59	13.79	1,465
3/4" EMT field bend	342	EA		10.42	10.42	3,567
4" Square box w/cover (ring), support	59	EA	10.05	41.69	51.74	3,053
CCTV System						
Surveillance, one station (camera & monitor)	1	EA	1,643	625	2,268	2,268
For additional camera stations, add	165	EA	715	299	1,014	167,277
for weatherproof camera station, add	28	EA	928	704	1,631	45,672
for wire guard, add	5	EA	207	148	354	1,772
Monitor	2	EA	1,991	315	2,306	4,613
Biscuit box	193	EA	8.70	12.33	21.03	4,059
CAT 6 Jack (label, test)	193	EA	7.34	13.64	20.98	4,049
Patch panel, punch down termination per port	193	EA		8.27	8.27	1,596
CAT 6 cable, plenum	28950	LF	0.23	1.27	1.50	43,453
1" EMT w/ 11 coup, 2 bends & 2 term. per 100'	340	LF	3.25	7.70	10.94	3,720
1" EMT connector	61	EA	1.84	9.81	11.65	713
1" EMT field bend	197	EA		12.16	12.16	2,398
4 11/16" x 2 1/8"D Square box w/cover (ring), support	34	EA	17.41	60.97	78.38	2,665
Audio Visual System						
2 port data plate, stainless steel	88	EA	16.23	12.33	28.57	2,514
CAT 6 Jack (label, test)	88	EA	7.34	13.64	20.98	1,846
Patch panel, punch down termination per port	88	EA		8.27	8.27	728
CAT 6 cable, plenum	13200	LF	0.23	1.27	1.50	19,813
HDMI Keystone	88	EA	30.13	39.09	69.21	6,091
25' HDMI Cable	88	EA	137	28.89	166	14,621
F connector	176	EA	3.38	29.86	33.24	5,851
RG 6 cable, plenum	13200	LF	1.82	1.04	2.86	37,736
1" EMT conduit	880	LF	3.25	7.70	10.94	9,629
1" EMT connector	158	EA	1.84	9.81	11.65	1,845
1" EMT field bend	510	EA		12.16	12.16	6,206
4 11/16" x 2 1/8"D Square box w/cover (ring), support	88	EA	17.41	60.97	78.38	6,898
3/4" EMT conduit	1570	LF	1.95	6.81	8.76	13,755
3/4" EMT connector	64	EA	0.95	8.04	8.99	575
3/4" EMT field bend	256	EA		11.03	11.03	2,824
4 11/16" x 2 1/8"D Square box w/cover (ring), support	32	EA	17.41	60.97	78.38	2,508
1/2" EMT conduit	1350	LF	1.39	5.21	6.60	8,914
1/2" EMT connector	106	EA	0.79	7.38	8.18	867
1/2" EMT field bend	212	EA		9.99	9.99	2,118
4 11/16" x 2 1/8"D Square box w/cover (ring), support	53	EA	17.41	60.97	78.38	4,154

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
1" EMT conduit	1820	LF	3.25	7.70	10.94	19,915
1" EMT connector	36	EA	1.84	9.81	11.65	419
1" EMT field bend	72	EA		12.16	12.16	871
4 11/16" x 2 1/8"D Square box w/cover (ring), support	18	EA	17.41	60.97	78.38	1,411
1 1/4" EMT conduit	1450	LF	5.20	8.86	14.06	20,384
1 1/4" EMT connector	28	EA	3.00	12.68	15.68	439
1 1/4" EMT coupling	112	EA	11.88	18.85	30.73	3,442
1 1/4" EMT elbow	56	EA	9.26	27.71	36.96	2,070
4 11/16" x 2 1/8"D Square box w/cover (ring), support	14	EA	17.41	60.97	78.38	1,097
1 1/2" EMT conduit	360	LF	6.86	9.81	16.68	6,003
1 1/2" EMT connector	18	EA	4.95	14.77	19.71	355
1 1/2" EMT coupling	72	EA	17.59	23.28	40.86	2,942
1 1/2" EMT elbow	36	EA	10.63	36.48	47.11	1,696
4 11/16" x 2 1/8"D Square box w/cover (ring), support	9	EA	17.41	60.97	78.38	705
2" EMT conduit	550	LF	7.38	11.03	18.41	10,127
2" EMT connector	8	EA	6.90	17.72	24.62	197
2" EMT coupling	32	EA	23.38	28.58	51.96	1,663
2" EMT elbow	16	EA	15.27	44.30	59.56	953
4"x4"x4" pull box, Steel, NEMA 1	4	EA	36.60	110	147	588
Auditorium AVL - Audio	1	LS	532,709	86,857	619,566	619,566
Auditorium AVL - Video	1	LS	194,861	40,142	235,003	235,003
Auditorium AVL - Lighting	1	LS	563,822	15,634	579,456	579,456
Auditorium AVL - Motorized Batten Hoist	1	LS	234,747	49,943	284,690	284,690
Auditorium AVL - Aisle Lighting	1	LS	86,826	5,211	92,037	92,037
AVL - Environmental Video	1	LS	226,169	3,474	229,643	229,643
Gymnasium AVL - Audio	1	LS	194,702	41,517	236,220	236,220
Aux Gymnasium AVL - Audio	1	LS	107,571	24,320	131,891	131,891
Choir & Band AVL	1	LS	77,813	20,846	98,659	98,659
Work Room C-207 - Lighting for Video	1	LS	3,548	603	4,151	4,151
D5040 Special Electrical Systems	252813	SF	@	3.57	=	902,140
Grounding & Lightning Protection Systems						
Ground rod, 3/4x10'	3	EA	117	208	325	976
Pipe grounding clamp, 2 1/2" to 3"	4	EA	125	154	278	1,114
Exothermic weld	6	EA	4.64	131	136	815
2" x 1/4" copper bar	36	LF	97.20	20.85	118	4,250
Ground bar insulator	18	EA	50.24	31.27	81.51	1,467
Ground bar insulator bracket	18	EA	27.05	20.85	47.90	862
#3/0 Bare CU wire	180	LF	5.16	2.78	7.94	1,429

A+A7		Weathers Creek High School				Net SF:	252,813
Construction Document Estimate				EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
DESCRIPTION		U/M					
Chain Trenching, 6"x24", backfill		60	LF		1.34	1.34	80.46
Lightning Protection		168375	SF		1.22	1.22	204,664
Emergency Generator - High School Building							
Generator, 500 KW, diesel, w/ encl, btry chrg, & day tank		1	EA	166,193	13,959	180,152	180,152
Circuit breaker, LA frame, 125-400 amp		1	EA	8,213	386	8,599	8,599
Generator pad		1	EA	1,608	1,292	2,900	2,900
Generator controls		1	EA	2,010	1,626	3,636	3,636
Generator remote annunciator panel		1	EA	1,648	515	2,163	2,163
Generator Start-up & Test		1	EA		4,258	4,258	4,258
800A 480V N3R Generator Tap Box, Wall Mount		1	EA	18,416	3,456	21,872	21,872
Circuit breaker, MA frame, 700-800 amp		1	EA	11,450	704	12,153	12,153
ATS, 480V, 3P, 150 amp		1	EA	3,478	764	4,243	4,243
ATS, 480V, 3P, 200 amp		1	EA	4,010	921	4,931	4,931
ATS, 480V, 3P, 600 amp		1	EA	9,372	1,824	11,196	11,196
3/4" PVC Sch. 40 conduit		300	LF	1.84	6.10	7.93	2,380
3/4 " RGS elbow		2	EA	9.06	31.62	40.68	81.36
3/4" PVC Sch. 40 adapter		4	EA	0.68	21.11	21.78	87.13
3/4" sealtite		3	LF	3.30	8.86	12.16	36.49
3/4" sealtite connector		2	EA	8.14	17.72	25.85	51.71
#10 XHHW wire, copper		1920	LF	0.51	0.92	1.43	2,751
1" PVC Sch. 40 conduit		300	LF	2.65	7.09	9.73	2,920
1" RGS elbow		2	EA	12.17	36.48	48.65	97.31
1" PVC Sch. 40 adapter		4	EA	0.73	23.28	24.01	96.05
1" sealtite		3	LF	5.93	12.68	18.61	55.84
1" sealtite connector		2	EA	13.72	22.15	35.87	71.74
#14 XHHW wire, copper		3720	LF	0.25	0.70	0.95	3,537
Chain Trenching, 8"x48", backfill		100	LF		2.06	2.06	206
3" PVC Sch. 40 conduit		270	LF	11.50	16.76	28.26	7,631
3" RGS elbow		6	EA	80.20	154	234	1,404
3" PVC Sch. 40 adapter		9	EA	4.17	51.25	55.42	499
3" sealtite		9	LF	15.85	36.48	52.33	471
3" sealtite connector		6	EA	278	76.43	355	2,128
#1/0 XHHW wire, copper		33	LF	4.46	2.78	7.24	239
300 kcmil XHHW wire, copper		1320	LF	11.40	4.85	16.25	21,448
Chain Trenching, 8"x48", backfill		90	LF		2.06	2.06	186
Emergency Generator - Shelter							
2000A Generator docking station		1	EA	31,654	4,979	36,633	36,633
ATS, 480V, 3P, 2000 amp		1	EA	54,496	3,691	58,187	58,187
2000A							
3 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'		650	LF	21.45	20.41	41.86	27,210

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
3 1/2" EMT elbow	40	EA	69.57	131	201	8,029
3 1/2" EMT connector	20	EA	39.62	43.43	83.04	1,661
3 1/2" EMT coupling	80	EA	274	48.64	323	25,844
250 kcmil THHN wire, AL	750	LF	1.65	3.18	4.83	3,623
600 kcmil THHN wire, copper	3000	LF	16.33	7.04	23.36	70,094
Emergency Generator Conduit & Wire- Site Buildings						
Circuit breaker, LA frame, 125-400 amp	2	EA	8,213	386	8,599	17,197
Generator pad	1	EA	1,608	1,292	2,900	2,900
Generator controls	1	EA	2,010	1,626	3,636	3,636
Generator remote annunciator panel	1	EA	1,648	515	2,163	2,163
Generator Start-up & Test	1	EA		4,258	4,258	4,258
ATS, 480V, 3P, 400 amp	2	EA	5,411	1,147	6,557	13,115
3/4" PVC Sch. 40 conduit	300	LF	1.84	6.10	7.93	2,380
3/4 " RGS elbow	2	EA	9.06	31.62	40.68	81.36
3/4" PVC Sch. 40 adapter	4	EA	0.68	21.11	21.78	87.13
3/4" sealtite	3	LF	3.30	8.86	12.16	36.49
3/4" sealtite connector	2	EA	8.14	17.72	25.85	51.71
#10 XHHW wire, copper	1920	LF	0.51	0.92	1.43	2,751
1" PVC Sch. 40 conduit	300	LF	2.65	7.09	9.73	2,920
1" RGS elbow	2	EA	12.17	36.48	48.65	97.31
1" PVC Sch. 40 adapter	4	EA	0.73	23.28	24.01	96.05
1" sealtite	3	LF	5.93	12.68	18.61	55.84
1" sealtite connector	2	EA	13.72	22.15	35.87	71.74
#14 XHHW wire, copper	3720	LF	0.25	0.70	0.95	3,537
Chain Trenching, 8"x48", backfill	100	LF		2.06	2.06	206
3 1/2" PVC Sch. 40 conduit	410	LF	15.75	18.41	34.16	14,007
3 1/2" RGS elbow	4	EA	130	219	349	1,397
3 1/2" PVC Sch. 40 adapter	12	EA	5.53	70.35	75.88	911
3 1/2" sealtite	6	LF	18.07	61.67	79.74	478
3 1/2" sealtite connector	4	EA	392	115	507	2,028
#2 XHHW wire, copper	440	LF	2.88	2.05	4.93	2,169
600 kcmil XHHW wire, copper	1760	LF	25.12	7.04	32.16	56,597
Chain Trenching, 8"x48", backfill	410	LF		2.06	2.06	846
Category 4 Seismic Bracing						
Category 4 Bracing	72864	SF		0.26	0.26	18,646
E EQUIPMENT & FURNISHINGS						
E10 EQUIPMENT						1,895,354
E1010 Gym Equipment	252813	SF	@	3.30	=	835,396

A+A7 Weathers Creek High School						Net SF:	252,813
Construction Document Estimate							
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL		TOTAL COST
Built-in Electrically Operated Bleachers (2070 seats)	1	LS		569,378	569,378		569,378
Basketball Backstop (electrically operated)	8	EA	15,990	3,055	19,045		152,359
Perimeter Wall Padding	3235	SF	16.89	5.53	22.42		72,538
Volley Ball System (incl. Sleeves and Caps)	6	EA	6,561		6,561		39,364
Gym Floor Striping	3150	LF	0.34	0.22	0.56		1,756
E1020 Institutional Equipment	252813	SF	@	0.43	=		109,746
Kiln	2	EA	3,050	286	3,335		6,671
Welding Station	5	EA		2,559	2,559		12,795
Loading Dock Bumpers	6	EA	150	138	288		1,731
Belco #40 Washer	1	EA	22,750	867	23,616		23,616
Belco #50 Dryer	1	EA	10,806	867	11,673		11,673
Hoist Crane, 2000 lb	7	EA		3,807	3,807		26,646
Motorized Theatrical Lighting Hoists	3	EA	7,507	1,365	8,871		26,614
E1030 Lab Equipment	252813	SF	@	0.04	=		9,212
Lab Drying Rack	48	EA		192	192		9,212
Fume Hoods (See Dust Collector, associated duct, hoods & Air Cleaner in Section D3020 HVAC)							
E1040 Auditorium Seating			@		=		
None In This Contract							
Auditorium Seating (FF&E, Not in Contract)							
E1090 Kitchen Equipment	252813	SF	@	3.72	=		941,000
Commercial Kitchen Equipment							
Food Service Equipment incl. installation & freight	1	LS			941,000		941,000
E20 FURNISHINGS							1,497,992
E2010 Fixed Furnishings	252813	SF	@	5.93	=		1,497,992
Casework							
Reception Desk	44	LF	611	78.98	689		30,338
Shelving	32	LF	26.78	9.20	35.98		1,151
Base Cabinets, wood	348	LF	785	46.34	831		289,288
Wall Cabinets, wood	184	LF	352	38.40	391		71,898
Counter Tops, solid surface	429	LF	195	60.90	256		109,939

A+A7		Weathers Creek High School				Net SF:	252,813
Construction Document Estimate							
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST	
Counter Tops, stainless steel		136	LF	663	48.33	711	96,719
Display Cases		126	LF	1,919	52.96	1,972	248,437
Laboratory Base Cabinets, Wood		500	LF	872	62.23	934	467,196
Laboratory Wall Cabinets, Wood		62	LF	698	56.93	755	46,789
Epoxy Lab Counter Top		500	LF	87.22	15.89	103	51,552
Band Instrument Storage		176	LF	349	47.00	396	69,673
Art Storage		20	LF	698	52.96	751	15,014
G BUILDING SITEWORK							
G10 SITE PREPARATION							6,495,301
G1010 Site Clearing		85	AC	@	15,851	=	1,347,323
Cut & Chip medium, trees to 12", grub stumps/remove		44	AC	4,673	5,935	10,607	466,721
Strip & Stockpile Topsoil		44610	CY	11.20	5.32	16.52	736,799
Demo Existing Structure		1	EA	5,687	3,852	9,540	9,540
Erosion Control							
Geotextile Fabric, Jute Mesh 4' Wide		20000	SY	2.12	0.81	2.93	58,665
Silt Fence, Polypropylene, 3' High		8000	LF	1.42	2.89	4.31	34,489
Rock Weirs		40	EA			300	12,000
Rip-Rap, Machine-Placed for Slope Protection		120	LCY	89.85	25.12	115	13,797
Temporary Fencing							
6' Chain Link, rented up to 1 yr		1500	LF	6.07	4.14	10.21	15,312
G1030 Site Earthwork		349997	CY	@	14.71	=	5,147,978
Excavation & Rough Grading							
Cut and Fill W/ Scrapers, Loaders, Backhoes, 1500' haul		349997	BCY	6.07	2.89	8.96	3,134,507
Mobilization & Demob. of Excavation Equipment		1	EA	33,683	37,783	71,466	71,466
Compaction, Riding Vibrating Roller, 6" lifts, 3-passes		349997	ECY	0.49	0.51	1.00	350,372
Hauling Spoil, 12 cy dump truck, on site		18500	LCY	18.96	4.39	23.35	431,969
Finish Grading							
Redistribute stockpiled topsoil		44610	CY	3.43	5.99	9.42	420,251
Fine Grading, Multiple Passes		131266	SY	1.54	4.09	5.63	739,413
G20 SITE IMPROVEMENTS							44,889,457
G2010 Roadways		1	LS	@	62,059	=	62,059
Jack and Bore (Overcash Rd)		70	LF	569	318	887	62,059

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
G2020 Asphalt Paving	109303	SY	@	65.67	=	7,178,173
Temporary Gravel Entrance - 8"gravel (includes removal)	3810	SY	13.88	6.49	20.37	77,604
Light Duty Paving						
Compacted Subgrade	56367	SY	2.46	0.83	3.29	185,605
8" Stone, Compacted	56367	SY	24.55	1.44	26.00	1,465,274
Asphalt Paving, 2"	56367	SY	16.70	1.48	18.19	1,025,043
Medium Duty Paving						
Compacted Subgrade	19511	SY	2.46	0.83	3.29	64,246
10" Stone, Compacted	19511	SY	31.28	1.44	32.73	638,504
Binder Course, 2"	19511	SY	14.94	1.29	16.23	316,653
Asphalt Paving, 1 1/2"	19511	SY	13.34	1.25	14.60	284,816
Heavy Duty Parking						
Compacted Subgrade	29615	SY	2.46	0.83	3.29	97,516
10" Stone, Compacted	29615	SY	31.28	1.71	33.00	977,147
Binder Course, 2"	29615	SY	14.94	1.29	16.23	480,635
Asphalt Paving, 3"	29615	SY	25.78	1.64	27.42	812,047
Asphalt Roadways						
Concrete Pavement, 7" Thk	2697	SY	59.78	3.01	62.80	169,359
Paving Assemblies						
Concrete Curb & Gutter, 6"x18", Machine Formed	39229	LF	10.94	2.23	13.17	516,768
Precast Concrete Wheelstop, 6"x 10"x 6'-0"	61	EA	107	26.58	134	8,156
Marking & Signage						
Traffic Control Signs 18"x24"	25	EA	120	43.34	164	4,095
Painted Directional Arrows (11 sf each)	45	EA	9.48	19.26	28.74	1,293
Stop Bar, Painted, 24" Wide	320	LF	1.90	1.35	3.24	1,038
Pavement Markings, 4" Wide incl. Layout	34212	LF	0.32	0.21	0.53	18,275
Handicap Symbols	61	EA	63.51	35.83	99.34	6,059
Handicap Sign	61	EA	283	176	460	28,040
G2030 Pedestrian Paving	197623	SF	@	10.57	=	2,088,765
Concrete Sidewalk 4", cast on ground	197623	SF	4.21	3.64	7.85	1,551,169
Concrete Ramp, ADA, w/ 6" curb, railing, 5' wide	360	LF	737	478	1,214	437,190
Concrete Step, Cast on Ground	410	LFN	10.45	37.17	47.62	19,525
1 1/2" Pipe Handrail, Painted, 2 rails	260	LF	282	28.99	311	80,882
G2040 Site Development	106	AC	@	35,570	=	3,770,382
Fencing						

A+A7 Weathers Creek High School					Net SF:	252,813	
Construction Document Estimate				EQUIP/	QUOTE/	UNIT	TOTAL
DESCRIPTION		U/M	MAT'L	INSTALL	TOTAL	COST	
4' H Chain Link Fence, 9 ga. Galv.steel	4200	LF	17.88	5.66	23.54	98,849	
6' H Chain Link Fence, 9 ga. Galv.steel	11245	LF	20.87	11.31	32.19	361,967	
8' H Chain Link Fence, 9 ga. Galv.steel	12487	LF	74.73	12.55	87.28	1,089,876	
4' Wide x 4' Ht Gate, Galv.steel	11	EA	379	270	649	7,137	
12' Wide x 3'-6" Ht Gate, Galv.steel	2	EA	645	385	1,030	2,060	
4' Wide x '6' Ht Gate, Galv.steel	3	EA	398	250	649	1,946	
5' Wide x '6' Ht Gate, Galv.steel	2	EA	510	308	818	1,636	
8' Wide x '6' Ht Gate, Galv.steel, dbl.	1	EA	806	424	1,229	1,229	
10' Wide x '6' Ht Gate, Galv.steel, dbl.	5	EA	1,052	578	1,630	8,150	
12' Wide x '6' Ht Gate, Galv.steel, dbl.	1	EA	1,179	578	1,757	1,757	
20' Wide x '6' Ht Gate, Galv.steel, dbl.	7	EA	2,758	578	3,336	23,354	
3' Wide x 7' Ht Gate, Galv.steel, sngl	16	EA	455	308	763	12,211	
12' Wide x '7' Ht Gate, Galv.steel, dbl.	2	EA	1,431	641	2,073	4,145	
4' Wide x 8' Ht Gate, Galv.steel, sngl	16	EA	607	320	926	14,822	
5' Wide x 8' Ht Gate, Galv.steel, sngl	3	EA	739	366	1,105	3,316	
6' Wide x 8' Ht Gate, Galv.steel, dbl	2	EA	1,175	578	1,753	3,506	
8' Wide x 8' Ht Gate, Galv.steel, dbl	3	EA	1,634	770	2,405	7,214	
10' Wide x 8' Ht Gate, Galv.steel, dbl	4	EA	2,085	1,059	3,145	12,579	
12' Wide x 8' Ht Gate, Galv.steel, dbl	2	EA	2,844	1,059	3,903	7,806	
20' Wide x 8' Ht Gate, Galv.steel, dbl	2	EA	4,740	2,311	7,051	14,102	
24' Wide x 6' Ht Cantilever Rolling Gate	1	EA	5,308	3,852	9,161	9,161	
30' Wide x 6' Ht Cantilever Rolling Gate	3	EA	8,531	5,297	13,828	41,484	
30' Wide x 8' Ht Cantilever Rolling Gate	1	EA	12,891	6,742	19,633	19,633	
24' Wide x 3'-6" Ht Swing Barrier Gate, Dbl.	2	EA	2,085	1,079	3,164	6,328	
30' Wide x 3'-6" Ht Swing Barrier Gate, Dbl.	5	EA	3,583	1,541	5,124	25,620	
12' Wide x 6' Ht Ornamental Gate, Dbl.	1	EA	56,874	9,631	66,505	66,505	
Other Site Improvements							
Flagpole, aluminum tapered, 30' incl base and found	3	EA	3,045	1,029	4,074	12,221	
Segmental Retaining Wall, 12" Thck	47560	SF	15.64	5.57	21.21	1,008,604	
48" Wide x 12" Deep - Strip Footing	4912	LF	60.41	51.48	112	549,622	
Seat Wall	60	LF	378	116	493	29,586	
Brick Screen Wall	3200	SF	20.89	31.44	52.33	167,446	
Boulder Placement for Outdoor Classroom	1	LS	4,740	4,045	8,784	8,784	
Synthetic Turf	3020	SF	12.32	3.47	15.79	47,685	
Synthetic Turf Base, 6" Stone	3020	SF	3.62	0.69	4.31	13,029	
Monument Sign	1	EA			46,000	46,000	
Reinforced Concrete Cantilever, including backfill 4' High	134	LF	133	173	306	41,012	
G2041 Practice Fields		122620	SF	@	52.33	=	6,416,748

A+A7 Weathers Creek High School				Net SF: 252,813			
Construction Document Estimate				EQUIP/	QUOTE/	UNIT	TOTAL
DESCRIPTION		U/M	MAT'L	INSTALL	TOTAL	COST	
Practice Fields							
Synthetic Turf	175500	SF	12.32	3.47	15.79	2,771,111	
Synthetic Turf Base, 6" Stone	175500	SF	3.62	0.69	4.31	757,177	
Under Field Drainage incl. excav.,backfill, and bedding	8500	LF			20.00	170,000	
Football Goal, Single Post	2	PR	6,279	1,325	7,604	15,209	
Sports Netting	1	LS					
6' H Chain Link Fence, 9 ga. Galv.steel	1850	LF	20.87	11.31	32.19	59,550	
Practice Fields Electrical							
Practice Field 1 Audio	1	AL	28,345.75	7,702	36,048	36,048	
Practice Field 2 Audio	1	AL	28,345.75	7,702	36,048	36,048	
Practice Fields Lighting	6	AL		319,875	319,875	1,919,250	
2 1/2" PVC Sch. 40 conduit	6420	LF	12.42	15.70	28.12	180,503	
2 1/2" PVC elbow	114	EA	8.00	68.38	76.38	8,707	
2 1/2" PVC Sch. 40 coupling	228	EA	4.68	68.38	73.06	16,658	
2 1/2" PVC Sch. 40 bell end	114	EA	10.33	73.19	83.53	9,522	
Chain Trenching, 12"x36", backfill	6420	LF		1.92	1.92	12,308	
WPGFI Receptacle, 20 amp, w/box, ring, wp cover	6	EA	93.54	125	219	1,313	
Receptacle steel support	6	EA	43.60	116	159	955	
3/4" PVC Sch. 40 conduit	2530	LF	2.35	7.03	9.38	23,735	
3/4" PVC Sch. 40 adapter	12	EA	0.59	24.27	24.86	298	
3/4" IMC conduit	60	LF	5.42	11.36	16.79	1,007	
3/4 " IMC field bend	24	EA		25.52	25.52	613	
#10 XHHW wire, copper	7950	LF	0.50	1.02	1.52	12,110	
600 volt, 60 amp FDS, 3p, NEMA 1, w/fuses	6	EA	404	443	847	5,081	
Steel support, Disconnect Switches	6	EA	92.14	108	201	1,203	
1" PVC Sch. 40 conduit	100	LF	3.43	8.17	11.60	1,160	
1" PVC elbow	2	EA	1.76	29.18	30.94	61.89	
1" PVC Sch. 40 adapter	2	EA	0.76	26.87	27.63	55.26	
1" PVC Sch. 40 coupling	4	EA	0.68	29.18	29.86	119	
#8 XHHW wire, copper	110	LF	0.84	1.27	2.11	233	
#6 XHHW wire, copper	440	LF	1.33	1.57	2.90	1,275	
1 1/4" PVC Sch. 40 conduit	3030	LF	4.61	9.26	13.87	42,031	
1 1/4" PVC elbow	10	EA	2.56	36.40	38.96	390	
1 1/4" PVC Sch. 40 adapter	10	EA	0.97	29.18	30.15	301	
1 1/4" PVC Sch. 40 coupling	20	EA	0.91	36.40	37.31	746	
#4 XHHW wire, copper	15400	LF	1.80	1.93	3.73	57,399	
Chain Trenching, 8"x36", backfill	3130	LF		1.74	1.74	5,439	
Hand hole, 3'x3'x2' deep	8	EA	1,100	1,487	2,586	20,690	
Hand hole, 3'x2'x2' deep	8	EA	3,175	2,011	5,187	41,492	

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
24"x24"x12" NEMA 4X pull box	1	EA	3,981	1,483	5,465	5,465
Relay	6	EA	186	187	373	2,236
Control station, H-O-A	2	EA	673	165	838	1,675
1 5/8" x 1 5/8" Stainless Steel Unistrut	100	LF	41.71	14.83	56.54	5,654
3/8" Spring Nut, galvanized	40	EA	2.60	7.90	10.49	420
3/8" Bolt, Nut & Washers, Stainless Steel	40	EA	4.27	7.90	12.16	487
Practice Field AVL - Audio	1	LS	8,116	3,474	11,591	11,591
Distribution Panels						
Panelboard, 400A, 480 volt, MCB, 42 ckt., w/1P brkrs	1	EA	26,861	3,995	30,857	30,857
NEMA 3R Panelboard encl, add	1	EA	2,976	747	3,723	3,723
Panelboard TVSS	1	EA	1,403	350	1,753	1,753
Panelboard, 400A, 208 volt, MCB, 42 ckt., w/1P brkrs	1	EA	9,711	3,691	13,402	13,402
NEMA 3R Panelboard encl, add	1	EA	2,976	747	3,723	3,723
Panelboard TVSS	1	EA	1,403	350	1,753	1,753
Multi-pole Breakers						
Circuit breaker, KA frame, 70-225 amp	1	EA	2,705	288	2,994	2,994
Distribution Transformers						
Transformer, 75 KVA, 3 phase, 480/120/208	1	EA	8,938	2,519	11,457	11,457
Transformer, NEMA 3R Kit	1	EA	358	229	587	587
House keeping pad, 4'x4'x6"	1	EA	162	150	312	312
1 1/2" RGS w/ 11 coup, 2 bends & 2 term. per 100'	10	LF	15.94	16.76	32.71	327
1 1/2" RGS elbow	4	EA	22.61	57.33	79.94	320
1 1/2" RGS coupling	2	EA	7.19	11.47	18.65	37.31
1 1/2" locknut	8	EA	2.69		2.69	21.49
1 1/2" bushing	1	EA	0.87	51.25	52.12	52.12
1 1/2" sealtite	3	LF	6.40	23.02	29.41	88.24
1 1/2" sealtite connector	1	EA	29.95	34.05	64.00	64.00
1 1/2" 90D sealtite connector	1	EA	53.14	34.05	87.19	87.19
1 1/2" ground bushing	1	EA	34.49	57.33	91.82	91.82
#6 XHHW wire, copper	30	LF	1.35	1.42	2.77	83.05
#1/0 XHHW wire, copper	90	LF	4.46	2.78	7.24	652
Exothermic weld	1	EA	18.17	127	145	145
#2 THHN wire, copper	30	LF	1.92	1.96	3.89	117
#2 THHN wire termination - Crimp 1-hole lug, CU/AL	1	EA	5.37	35.61	40.98	40.98
Ground rod, 3/4x10'	1	EA	117	208	325	325
Distribution Panel Feeders						
225A - PVC						
2 1/2" PVC Sch. 40 conduit	230	LF	12.66	14.16	26.82	6,168
2 1/2" PVC elbow	2	EA	8.16	61.67	69.82	140
2 1/2" PVC Sch. 40 adapter	2	EA	2.88	39.95	42.83	85.67

A+A7 Weathers Creek High School					Net SF: 252,813	
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
2 1/2" PVC Sch. 40 coupling	4	EA	4.77	61.67	66.44	266
#4 XHHW wire, copper	240	LF	1.84	1.74	3.57	858
#4/0 XHHW wire, copper	960	LF	8.60	4.19	12.79	12,275
Chain Trenching, 8"x48", backfill	230	LF		1.75	1.75	403
400A - PVC						
3 1/2" PVC Sch. 40 conduit	440	LF	15.75	18.41	34.16	15,032
3 1/2" PVC elbow	2	EA	20.00	74.70	94.70	189
3 1/2" PVC Sch. 40 adapter	2	EA	5.53	70.35	75.88	152
3 1/2" PVC Sch. 40 coupling	4	EA	5.33	74.70	80.03	320
#1/0 XHHW wire, copper	450	LF	4.46	2.78	7.24	3,260
600 kcmil XHHW wire, copper	1800	LF	25.12	7.04	32.16	57,884
Chain Trenching, 8"x48", backfill	440	LF		1.75	1.75	770
400A						
3 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	10	LF	21.45	20.41	41.86	419
3 1/2" EMT elbow	4	EA	69.57	131	201	803
3 1/2" EMT connector	2	EA	39.62	43.43	83.04	166
3 1/2" EMT coupling	8	EA	274	48.64	323	2,584
3 1/2" RGS coupling	1	EA	40.58	19.54	60.12	60.12
3 1/2" Flex	3	LF	13.04	44.30	57.34	172
3 1/2" Flex connector	1	EA	186	55.59	241	241
3 1/2" 90D Flex connector	1	EA	870	80.78	950	950
3 1/2" ground bushing	1	EA	117	102	219	219
#1/0 THHN wire, copper	30	LF	3.73	2.78	6.51	195
600 kcmil THHN wire, copper	120	LF	16.33	7.04	23.36	2,804
G2042 Tennis Court	6	EA	@	530,036	=	3,180,217
Tennis Court (Includes Fencing)	6	EA			76,000	456,000
Concrete Apron, cast on ground	13500	SF	4.21	3.64	7.85	105,963
Tennis Courts Site Electrical						
Tennis Courts Audio	6	AL	25,183.64	7,702	32,885	197,313
Tennis Courts Lighting	6	AL		351,863	351,863	2,111,175
1 1/2" PVC Sch. 40 conduit	1010	LF	5.21	10.21	15.42	15,576
1 1/2" PVC elbow	44	EA	3.34	51.04	54.38	2,393
1 1/2" PVC Sch. 40 adapter	88	EA	1.19	31.88	33.07	2,910
1 1/2" PVC Sch. 40 coupling	44	EA	1.40	51.04	52.45	2,308
Chain Trenching, 12"x36", backfill	1010	LF		1.92	1.92	1,936
WPGFI Receptacle, 20 amp, w/box, ring, wp cover	14	EA	93.54	125	219	3,064
Receptacle steel support	14	EA	43.60	116	159	2,228
3/4" PVC Sch. 40 conduit	3070	LF	2.35	7.03	9.38	28,801

A+A7		Weathers Creek High School				Net SF:	252,813
Construction Document Estimate				EQUIP/	QUOTE/	UNIT	TOTAL
DESCRIPTION	U/M	MAT'L	INSTALL	TOTAL	COST		
3/4" PVC Sch. 40 adapter	28	EA	0.59	24.27	24.86	696	
3/4" IMC conduit	140	LF	5.42	11.36	16.79	2,350	
3/4 " IMC field bend	56	EA		25.52	25.52	1,429	
#10 XHHW wire, copper	9510	LF	0.50	1.02	1.52	14,486	
600 volt, 60 amp FDS, 3p, NEMA 1, w/fuses	6	EA	404	443	847	5,081	
Steel support, Disconnect Switches	6	EA	92.14	108	201	1,203	
1" PVC Sch. 40 conduit	640	LF	3.43	8.17	11.60	7,423	
1" PVC elbow	6	EA	1.76	29.18	30.94	186	
1" PVC Sch. 40 adapter	6	EA	0.76	26.87	27.63	166	
1" PVC Sch. 40 coupling	12	EA	0.68	29.18	29.86	358	
#8 XHHW wire, copper	670	LF	0.84	1.27	2.11	1,417	
#6 XHHW wire, copper	2680	LF	1.33	1.57	2.90	7,764	
1 1/4" PVC Sch. 40 conduit	1360	LF	4.61	9.26	13.87	18,865	
1 1/4" PVC elbow	6	EA	2.56	36.40	38.96	234	
1 1/4" PVC Sch. 40 adapter	6	EA	0.97	29.18	30.15	181	
1 1/4" PVC Sch. 40 coupling	12	EA	0.91	36.40	37.31	448	
#4 XHHW wire, copper	1390	LF	1.80	1.93	3.73	5,181	
Chain Trenching, 8"x36", backfill	5560	LF		1.74	1.74	9,661	
Hand hole, 3'x2'x2' deep	16	EA	3,175	2,011	5,187	82,984	
24"x24"x12" NEMA 4X pull box	1	EA	3,981	1,483	5,465	5,465	
Relay	6	EA	186	187	373	2,236	
Control station, H-O-A	2	EA	673	165	838	1,675	
1 5/8" x 1 5/8" Stainless Steel Unistrut	100	LF	41.71	14.83	56.54	5,654	
3/8" Spring Nut, galvanized	40	EA	2.60	7.90	10.49	420	
3/8" Bolt, Nut & Washers, Stainless Steel	40	EA	4.27	7.90	12.16	487	
Distribution Panels							
Panelboard, 100A, 480 volt, MCB, 30 ckt., w/1P brkrs	1	EA	15,122	2,432	17,554	17,554	
NEMA 3R Panelboard encl, add	1	EA	2,976	747	3,723	3,723	
Panelboard TVSS	1	EA	1,403	350	1,753	1,753	
Panelboard, 100A, 208 volt, MCB, 30 ckt., w/1P brkrs	1	EA	6,860	2,302	9,162	9,162	
NEMA 3R Panelboard encl, add	1	EA	2,976	747	3,723	3,723	
Panelboard TVSS	1	EA	1,403	350	1,753	1,753	
Distribution Transformers							
Transformer, 75 KVA, 3 phase, 480/120/208	1	EA	8,938	2,519	11,457	11,457	
Transformer, NEMA 3R Kit	1	EA	358	229	587	587	
House keeping pad, 4'x4'x6"	1	EA	162	150	312	312	
1 1/2" RGS w/ 11 coup, 2 bends & 2 term. per 100'	10	LF	15.94	16.76	32.71	327	
1 1/2" RGS elbow	4	EA	22.61	57.33	79.94	320	
1 1/2" RGS coupling	2	EA	7.19	11.47	18.65	37.31	
1 1/2" locknut	8	EA	2.69		2.69	21.49	

A+A7		Weathers Creek High School				Net SF:	252,813
Construction Document Estimate				EQUIP/	QUOTE/	UNIT	TOTAL
DESCRIPTION	U/M	MAT'L	INSTALL	TOTAL	COST		
1 1/2" bushing	1	EA	0.87	51.25	52.12		52.12
1 1/2" sealtite	3	LF	6.40	23.02	29.41		88.24
1 1/2" sealtite connector	1	EA	29.95	34.05	64.00		64.00
1 1/2" 90D sealtite connector	1	EA	53.14	34.05	87.19		87.19
1 1/2" ground bushing	1	EA	34.49	57.33	91.82		91.82
#6 XHHW wire, copper	30	LF	1.35	1.42	2.77		83.05
#1/0 XHHW wire, copper	90	LF	4.46	2.78	7.24		652
Exothermic weld	1	EA	18.17	127	145		145
#2 THHN wire, copper	30	LF	1.92	1.96	3.89		117
#2 THHN wire termination - Crimp 1-hole lug, CU/AL	1	EA	5.37	35.61	40.98		40.98
Ground rod, 3/4x10'	1	EA	117	208	325		325
Multi-pole Breakers							
Circuit breaker, KA frame, 70-225 amp	1	EA	2,705	288	2,994		2,994
Distribution Panel Feeders							
100A - PVC							
1 1/2" PVC Sch. 40 conduit	400	LF	5.31	9.21	14.52		5,808
1 1/2" PVC elbow	2	EA	3.40	46.03	49.44		98.87
1 1/2" PVC Sch. 40 adapter	2	EA	1.22	28.75	29.97		59.93
1 1/2" PVC Sch. 40 coupling	4	EA	1.43	46.03	47.46		190
#8 XHHW wire, copper	410	LF	0.86	1.15	2.01		823
#1 XHHW wire, copper	1640	LF	3.52	2.29	5.81		9,529
Chain Trenching, 8"x48", backfill	400	LF		1.75	1.75		700
100A - RGS							
1 1/2" RGS w/ 11 coup, 2 bends & 2 term. per 100'	10	LF	15.94	16.76	32.71		327
1 1/2" RGS elbow	4	EA	22.61	57.33	79.94		320
1 1/2" RGS coupling	2	EA	7.19	11.47	18.65		37.31
1 1/2" locknut	8	EA	2.69		2.69		21.49
1 1/2" bushing	1	EA	0.87	51.25	52.12		52.12
1 1/2" sealtite	3	LF	6.40	23.02	29.41		88.24
1 1/2" sealtite connector	1	EA	29.95	34.05	64.00		64.00
1 1/2" 90D sealtite connector	1	EA	53.14	34.05	87.19		87.19
1 1/2" ground bushing	1	EA	34.49	57.33	91.82		91.82
#6 XHHW wire, copper	30	LF	1.35	1.42	2.77		83.05
#1/0 XHHW wire, copper	90	LF	4.46	2.78	7.24		652
G2043 Baseball Field	1	EA	@	3,570,675	=		3,570,675
Strip Footings, 24"x12" (3000 PSI), incl reinforcing	11	CY	411	194	605		6,653
8" Standard CMU Reinforced- Grouted	480	SF	6.92	8.30	15.22		7,307
10"x5" Cast Stone Cap	147	LF	48.44	13.84	62.28		9,155
Backstop Wall Padding	360	SF	20.76	1.38	22.14		7,972
Chain Link Top Rail Padding	932	LF	30.45	1.38	31.83		29,667

A+A7 Weathers Creek High School						Net SF:	252,813
Construction Document Estimate						UNIT	TOTAL
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	TOTAL		COST
Chain Link Post Padding	187	EA	83.04	5.54	88.57		16,563
Backstop, net	1	EA		63,975	63,975		63,975
Batting Cages w/pads	2	EA	66,353	9,631	75,984		151,968
Batting Cage Pads (only)	2	EA	18,958	5,778	24,737		49,473
Dugouts	2	EA	37,916	9,631	47,547		95,094
Bullpens	2	EA	1,896	482	2,377		4,755
Scoreboard	1	EA	26,541	15,409	41,951		41,951
Concrete Sidewalk 4", cast on ground	4720	SF	4.21	3.64	7.85		37,048
Outdoor Portable Aluminum Bleachers	300	ST	133	23.11	156		46,746
Prefabricated Press Box	1	EA	34,124	5,008	39,132		39,132
6' H Chain Link Fence, 9 ga. Vinyl Coated Galv.steel	1070	LF	19.55	10.59	30.14		32,249
Sngl Gate for 6' chain link fence, 3' Opening	2	EA	443	212	655		1,309
Dbl Swing Gate for 6' chain link fence, 12' Opening	2	EA	1,012	665	1,677		3,354
Sodding	91	MSF	660	266	926		84,277
Infield Skin Mix	39000	SF	1.52	1.54	3.06		119,245
Warning Track Mix	19000	SF	1.42	1.54	2.96		56,293
Site Irrigation, PVC w/Pop Up Spray, 10' Radius	91000	SF	0.60	1.54	2.15		195,335
Baseball Site Electrical							
Baseball Field Audio	1	AL	28,993.27	4,621	33,614		33,614
Baseball Field Lighting	6	AL		351,863	351,863		2,111,175
1 1/2" PVC Sch. 40 conduit	650	LF	5.19	8.16	13.36		8,681.06
1 1/2" PVC elbow	16	EA	3.32	40.82	44.14		706.28
1 1/2" PVC Sch. 40 adapter	32	EA	1.19	25.49	26.68		853.84
1 1/2" PVC Sch. 40 coupling	16	EA	1.40	40.82	42.22		675.47
Chain Trenching, 12"x36", backfill	650	LF		1.67	1.67		1,088.20
Type D3 Light	4	EA	566.14	174.06	740.20		2,960.81
Key Switch, 20 amp 1 pole, w/box, ring, cover	2	EA	83.56	90.47	174.02		348.04
Device cover, weatherproof, in-use, 1 gang	2	EA	19.73	12.79	32.51		65.03
WPGFI Receptacle, 20 amp, w/box, ring, wp cover	12	EA	93.15	100.22	193.36		2,320.34
Receptacle steel support	2	EA	43.42	92.42	135.84		271.68
3/4" PVC Sch. 40 conduit	5540	LF	2.34	5.62	7.96		44,116.37
3/4" PVC Sch. 40 adapter	52	EA	0.59	19.41	19.99		1,039.68
3/4" IMC conduit	280	LF	5.40	9.09	14.49		4,056.46
3/4 " IMC field bend	132	EA		20.41	20.41		2,694.10
#10 XHHW wire, copper	20520	LF	0.50	0.82	1.32		27,018.04
Chain Trenching, 12"x36", backfill	5540	LF		1.67	1.67		9,274.82
600 volt, 60 amp FDS, 3p, NEMA 1, w/fuses	10	EA	402.11	354.28	756.39		7,563.92
Steel support, Disconnect Switches	10	EA	91.75	86.68	178.42		1,784.25
1" PVC Sch. 40 conduit	990	LF	3.42	6.53	9.95		9,848.64
1" PVC elbow	8	EA	1.76	29.18	30.94		248

A+A7		Weathers Creek High School				Net SF:	252,813
Construction Document Estimate				EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
DESCRIPTION		U/M					
1" PVC Sch. 40 adapter		8	EA	0.76	26.87	27.63	221
1" PVC Sch. 40 coupling		16	EA	0.68	29.18	29.86	478
#8 XHHW wire, copper		1030	LF	0.84	1.27	2.11	2,178
#6 XHHW wire, copper		4120	LF	1.33	1.57	2.90	11,935
1 1/4" PVC Sch. 40 conduit		1250	LF	4.61	9.26	13.87	17,340
1 1/4" PVC elbow		6	EA	2.56	36.40	38.96	234
1 1/4" PVC Sch. 40 adapter		6	EA	0.97	29.18	30.15	181
1 1/4" PVC Sch. 40 coupling		12	EA	0.91	36.40	37.31	448
#4 XHHW wire, copper		2240	LF	1.80	1.93	3.73	8,349
Chain Trenching, 8"x36", backfill		2240	LF		1.74	1.74	3,892
Hand hole, 3'x2'x2' deep		6	EA	3,175	2,011	5,187	31,119
24"x24"x12" NEMA 4X pull box		1	EA	3,981	1,483	5,465	5,465
Relay		6	EA	186	187	373	2,236
Control station, H-O-A		2	EA	673	165	838	1,675
1 5/8" x 1 5/8" Stainless Steel Unistrut		100	LF	41.71	14.83	56.54	5,654
3/8" Spring Nut, galvanized		40	EA	2.60	7.90	10.49	420
3/8" Bolt, Nut & Washers, Stainless Steel		40	EA	4.27	7.90	12.16	487
Baseball Field AVL - Audio		1	LS	17,160	5,906	23,067	23,067
Distribution Panels							
Panelboard, 100A, 480 volt, MCB, 30 ckt., w/1P brkrs		2	EA	15,122	2,432	17,554	35,107
NEMA 3R Panelboard encl, add		2	EA	2,976	747	3,723	7,446
Panelboard, 100A, 208 volt, MCB, 30 ckt., w/1P brkrs		1	EA	6,860	2,302	9,162	9,162
NEMA 3R Panelboard encl, add		1	EA	2,976	747	3,723	3,723
Panelboard TVSS		1	EA	1,403	350	1,753	1,753
Multi-pole Breakers							
Circuit breaker, 10KAIC, 2 pole, 15-50 amp, 240 volt		3	EA	123	115	237	712
Circuit breaker, KA frame, 70-225 amp		1	EA	2,705	288	2,994	2,994
Distribution Transformers							
Transformer, 75 KVA, 3 phase, 480/120/208		1	EA	8,938	2,519	11,457	11,457
Transformer, NEMA 3R Kit		1	EA	358	229	587	587
House keeping pad, 4'x4'x6"		1	EA	162	150	312	312
1 1/2" RGS w/ 11 coup, 2 bends & 2 term. per 100'		10	LF	15.94	16.76	32.71	327
1 1/2" RGS elbow		4	EA	22.61	57.33	79.94	320
1 1/2" RGS coupling		2	EA	7.19	11.47	18.65	37.31
1 1/2" locknut		8	EA	2.69		2.69	21.49
1 1/2" bushing		1	EA	0.87	51.25	52.12	52.12
1 1/2" sealtite		3	LF	6.40	23.02	29.41	88.24
1 1/2" sealtite connector		1	EA	29.95	34.05	64.00	64.00
1 1/2" 90D sealtite connector		1	EA	53.14	34.05	87.19	87.19
1 1/2" ground bushing		1	EA	34.49	57.33	91.82	91.82

A+A7		Weathers Creek High School				Net SF:	252,813
Construction Document Estimate				EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
DESCRIPTION		U/M					
#6 XHHW wire, copper		30	LF	1.35	1.42	2.77	83.05
#1/0 XHHW wire, copper		90	LF	4.46	2.78	7.24	652
Exothermic weld		1	EA	18.17	127	145	145
#2 THHN wire, copper		30	LF	1.92	1.96	3.89	117
#2 THHN wire termination - Crimp 1-hole lug, CU/AL		1	EA	5.37	35.61	40.98	40.98
Ground rod, 3/4x10'		1	EA	117	208	325	325
Distribution Panel Feeders							
100A - PVC							
1 1/2" PVC Sch. 40 conduit		160	LF	5.31	9.21	14.52	2,323
1 1/2" PVC elbow		4	EA	3.40	46.03	49.44	198
1 1/2" PVC Sch. 40 adapter		4	EA	1.22	28.75	29.97	120
1 1/2" PVC Sch. 40 coupling		8	EA	1.43	46.03	47.46	380
#8 XHHW wire, copper		180	LF	0.86	1.15	2.01	361
#1 XHHW wire, copper		720	LF	3.52	2.29	5.81	4,183
Chain Trenching, 8"x48", backfill		160	LF		1.75	1.75	280
100A - RGS							
1 1/2" RGS w/ 11 coup, 2 bends & 2 term. per 100'		10	LF	15.94	16.76	32.71	327
1 1/2" RGS elbow		4	EA	22.61	57.33	79.94	320
1 1/2" RGS coupling		2	EA	7.19	11.47	18.65	37.31
1 1/2" locknut		8	EA	2.69		2.69	21.49
1 1/2" bushing		1	EA	0.87	51.25	52.12	52.12
1 1/2" sealtite		3	LF	6.40	23.02	29.41	88.24
1 1/2" sealtite connector		1	EA	29.95	34.05	64.00	64.00
1 1/2" 90D sealtite connector		1	EA	53.14	34.05	87.19	87.19
1 1/2" ground bushing		1	EA	34.49	57.33	91.82	91.82
#6 XHHW wire, copper		30	LF	1.35	1.42	2.77	83.05
#1/0 XHHW wire, copper		90	LF	4.46	2.78	7.24	652
G2044 Softball Field		1	EA	@	2,498,282	=	2,498,282
Strip Footings, 24"x12" (3000 PSI), incl reinforcing		10	CY	411	194	605	6,048
8" Standard CMU Reinforced- Grouted		450	SF	6.92	8.30	15.22	6,851
10"x5" Cast Stone Cap		131	LF	48.44	13.84	62.28	8,159
Backstop Wall Padding		330	SF	20.76	1.38	22.14	7,307
Chain Link Top Rail Padding		558	LF	30.45	1.38	31.83	17,762
Chain Link Post Padding		112	EA	83.04	5.54	88.57	9,920
Backstop, net		1	EA		63,975	63,975	63,975
Dugouts		2	EA	37,916	9,631	47,547	95,094
Bullpens		2	EA	1,896	482	2,377	4,755
Scoreboard		1	EA	26,541	15,409	41,951	41,951

A+A7		Weathers Creek High School				Net SF:	252,813
Construction Document Estimate				EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
DESCRIPTION		U/M					
Concrete Sidewalk 4", cast on ground		3565	SF	4.21	3.64	7.85	27,982
Outdoor Portable Aluminum Bleachers		100	ST	133	23.11	156	15,582
Prefabricated Press Box		1	EA	34,124	5,008	39,132	39,132
6' H Chain Link Fence, 9 ga. Vinyl Coated Galv.steel		825	LF	19.55	10.59	30.14	24,865
Sngl Gate for 6' chain link fence, 3' Opening		2	EA	443	212	655	1,309
Dbl Swing Gate for 6' chain link fence, 12' Opening		2	EA	1,012	665	1,677	3,354
Sodding		53	MSF	660	266	926	49,084
Infield Skin Mix		55000	SF	1.52	1.54	3.06	168,167
Warning Track Mix		6000	SF	1.42	1.54	2.96	17,777
Site Irrigation, PVC w/Pop Up Spray, 10' Radius		53000	SF	0.60	1.54	2.15	113,767
Softball Site Electrical							
Softball Field Audio		1	AL	28,993.27	4,621	33,614	33,614
Softball Field Lighting		4	AL		351,863	351,863	1,407,450
1 1/2" PVC Sch. 40 conduit		450	LF	5.21	10.21	15.42	6,940
1 1/2" PVC elbow		16	EA	3.34	51.04	54.38	870
1 1/2" PVC Sch. 40 adapter		32	EA	1.19	31.88	33.07	1,058
1 1/2" PVC Sch. 40 coupling		16	EA	1.40	51.04	52.45	839
Chain Trenching, 12"x36", backfill		450	LF		1.92	1.92	863
Type D3 Light		4	EA	566.14	174.06	740.20	2,960.81
Key Switch, 20 amp 1 pole, w/box, ring, cover		2	EA	83.56	90.47	174.02	348.04
Device cover, weatherproof, in-use, 1 gang		2	EA	19.73	12.79	32.51	65.03
WPGFI Receptacle, 20 amp, w/box, ring, wp cover		16	EA	93.54	125	219	3,502
Receptacle steel support		16	EA	43.60	116	159	2,547
3/4" PVC Sch. 40 conduit		1700	LF	2.35	7.03	9.38	15,948
3/4" PVC Sch. 40 adapter		40	EA	0.59	24.27	24.86	994
3/4" IMC conduit		200	LF	5.42	11.36	16.79	3,357
3/4 " IMC field bend		100	EA		25.52	25.52	2,552
#10 XHHW wire, copper		5880	LF	0.50	1.02	1.52	8,957
600 volt, 60 amp FDS, 3p, NEMA 1, w/fuses		4	EA	404	443	847	3,387
Steel support, Disconnect Switches		4	EA	92.14	108	201	802
1 1/4" PVC Sch. 40 conduit		3440	LF	4.61	9.26	13.87	47,718
1 1/4" PVC elbow		8	EA	2.56	36.40	38.96	312
1 1/4" PVC Sch. 40 adapter		8	EA	0.97	29.18	30.15	241
1 1/4" PVC Sch. 40 coupling		16	EA	0.91	36.40	37.31	597
#4 XHHW wire, copper		17400	LF	1.80	1.93	3.73	64,853
Chain Trenching, 8"x36", backfill		3440	LF		1.74	1.74	5,978
Hand hole, 3'x2'x2' deep		4	EA	3,175	2,011	5,187	20,746
24"x24"x12" NEMA 4X pull box		1	EA	3,981	1,483	5,465	5,465
Relay		4	EA	186	187	373	1,491
Control station, H-O-A		2	EA	673	165	838	1,675

A+A7 Weathers Creek High School						Net SF:	252,813
Construction Document Estimate						UNIT	TOTAL
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	TOTAL		COST
1 5/8" x 1 5/8" Stainless Steel Unistrut	100	LF	41.71	14.83	56.54		5,654
3/8" Spring Nut, galvanized	40	EA	2.60	7.90	10.49		420
3/8" Bolt, Nut & Washers, Stainless Steel	40	EA	4.27	7.90	12.16		487
Softball Field AVL - Audio	1	LS	17,160	5,906	23,067		23,067
Distribution Panels							
Panelboard, 100A, 480 volt, MCB, 30 ckt., w/1P brkrs	2	EA	15,122	2,432	17,554		35,107
NEMA 3R Panelboard encl, add	2	EA	2,976	747	3,723		7,446
Panelboard, 100A, 208 volt, MCB, 30 ckt., w/1P brkrs	1	EA	6,860	2,302	9,162		9,162
NEMA 3R Panelboard encl, add	1	EA	2,976	747	3,723		3,723
Panelboard TVSS	1	EA	1,403	350	1,753		1,753
Multi-pole Breakers							
Circuit breaker, 10KAIC, 2 pole, 15-50 amp, 240 volt	4	EA	123	115	237		949
Circuit breaker, 15-60 amp, 3 pole, 480V	4	EA	744	122	866		3,466
Circuit breaker, KA frame, 70-225 amp	1	EA	2,705	288	2,994		2,994
Distribution Transformers							
Transformer, 75 KVA, 3 phase, 480/120/208	1	EA	8,938	2,519	11,457		11,457
Transformer, NEMA 3R Kit	1	EA	358	229	587		587
House keeping pad, 4'x4'x6"	1	EA	162	150	312		312
1 1/2" RGS w/ 11 coup, 2 bends & 2 term. per 100'	10	LF	15.94	16.76	32.71		327
1 1/2" RGS elbow	4	EA	22.61	57.33	79.94		320
1 1/2" RGS coupling	2	EA	7.19	11.47	18.65		37.31
1 1/2" locknut	8	EA	2.69		2.69		21.49
1 1/2" bushing	1	EA	0.87	51.25	52.12		52.12
1 1/2" sealtite	3	LF	6.40	23.02	29.41		88.24
1 1/2" sealtite connector	1	EA	29.95	34.05	64.00		64.00
1 1/2" 90D sealtite connector	1	EA	53.14	34.05	87.19		87.19
1 1/2" ground bushing	1	EA	34.49	57.33	91.82		91.82
#6 XHHW wire, copper	30	LF	1.35	1.42	2.77		83.05
#1/0 XHHW wire, copper	90	LF	4.46	2.78	7.24		652
Exothermic weld	1	EA	18.17	127	145		145
#2 THHN wire, copper	30	LF	1.92	1.96	3.89		117
#2 THHN wire termination - Crimp 1-hole lug, CU/AL	1	EA	5.37	35.61	40.98		40.98
Ground rod, 3/4x10'	1	EA	117	208	325		325
Distribution Panel Feeders							
100A - PVC							
1 1/2" PVC Sch. 40 conduit	430	LF	5.31	9.21	14.52		6,244
1 1/2" PVC elbow	2	EA	3.40	46.03	49.44		98.87
1 1/2" PVC Sch. 40 adapter	2	EA	1.22	28.75	29.97		59.93
1 1/2" PVC Sch. 40 coupling	4	EA	1.43	46.03	47.46		190
#8 XHHW wire, copper	440	LF	0.86	1.15	2.01		883

A+A7		Weathers Creek High School				Net SF:	252,813
Construction Document Estimate				EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
DESCRIPTION		U/M					
#1 XHHW wire, copper		1760	LF	3.52	2.29	5.81	10,226
Chain Trenching, 8"x48", backfill		430	LF		1.75	1.75	753
100A - RGS							
1 1/2" RGS w/ 11 coup, 2 bends & 2 term. per 100'		10	LF	15.94	16.76	32.71	327
1 1/2" RGS elbow		4	EA	22.61	57.33	79.94	320
1 1/2" RGS coupling		2	EA	7.19	11.47	18.65	37.31
1 1/2" locknut		8	EA	2.69		2.69	21.49
1 1/2" bushing		1	EA	0.87	51.25	52.12	52.12
1 1/2" sealtite		3	LF	6.40	23.02	29.41	88.24
1 1/2" sealtite connector		1	EA	29.95	34.05	64.00	64.00
1 1/2" 90D sealtite connector		1	EA	53.14	34.05	87.19	87.19
1 1/2" ground bushing		1	EA	34.49	57.33	91.82	91.82
#6 XHHW wire, copper		30	LF	1.35	1.42	2.77	83.05
#1/0 XHHW wire, copper		90	LF	4.46	2.78	7.24	652
G2045a Field House		9390	SF	@	396	=	3,722,940
Architectural							
Strip Footings & Thickened Slab, incl reinforcing		154	CY	394	154	548	84,329
4" Light Ind. SOG, Reinf, VB, Gravel Base, Form, Finish		9390	SF	7.48	6.34	13.82	129,765
Termite Pretreatment, Slabs & Walls		9390	SF	0.97	0.30	1.27	11,925
WF & Tube Steel Beams & Columns (simple connections		2	TON	7,095	1,230	8,325	16,650
Miscellaneous Steel: Plates, Bolts, Conns, Angles, etc...		27	TON	12,058	6,404	18,462	498,478
Metal Decking, open, galv, 1-1/2" deep, 20ga		10680	SF	5.80	1.05	6.84	73,094
Face Brick Veneer, 8" CMU		6490	SF	14.21	21.77	35.98	233,532
4" Ground Face CMU Veneer, 8" CMU		1855	SF	11.15	17.13	28.29	52,475
Precast Band		340	LF		35.04	35.04	11,913
Erect and dismantle scaffolding		8345	SF		2.16	2.16	18,029
Rent Scaffolding, 3 months		8345	SF	1.62		1.62	13,522
Storefront w/ Tempered Low-E insul. Glazed Panel		610	SF	95.49	36.42	132	80,466
Pair 3'x7' alum./ full glass door w/ alum. frame/panic hdw		1	PR	9,245	1,611	10,856	10,856
3'x7' HM door w/hm. frame, paint, & panic hdwr.		6	EA	3,391	539	3,930	23,579
Pair 3'x7' HM doors w/ frame/panic hdwr, paint		1	PR	6,643	928	7,571	7,571
1/2" Gypsum cover board		8525	SF	1.44	0.48	1.92	16,380
Polyisocyanurate Rigid Insulation, 6" thick, straight		8525	SF	4.59	0.62	5.21	44,426
Standing Seam , including fasteners & trim, galvalum		8525	SF	11.69	3.01	14.70	125,287
High Temp roof Underlayment		8525	SF	0.61	0.17	0.78	6,645
Reinforced PVC, 60 mils fully adhered		2065	SF	2.57	1.08	3.65	7,535
1/2" Gypsum cover board		2065	SF	1.44	0.48	1.92	3,968

A+A7		Weathers Creek High School				Net SF:	252,813
Construction Document Estimate				EQUIP/	QUOTE/	UNIT	TOTAL
DESCRIPTION	U/M	MAT'L	INSTALL	TOTAL	COST		
Polyisocyanurate Rigid Insulation, 3" thick, straight	2065	SF	2.30	0.48	2.78		5,731
Rail Type Snow Guard	161	LF	5.08	1.71	6.79		1,094
Ice & Water Shield	600	SF	1.73	0.65	2.38		1,425
Prefinished Aluminum Gutters, 5" Box-type	150	LF	6.00	6.46	12.46		1,869
Prefinished Aluminum Downspouts, 3" x 4"	92	LF	4.68	5.77	10.44		961
Stainless Steel Downspout Boots, 3" x 4"	6	EA	677	8.10	685		4,110
Fascia, Aluminum (NO furring included)	480	SF	15.25	5.57	20.81		9,991
Prefinished Metal Soffit	1300	SF	13.21	6.43	19.64		25,538
8' H Chain Link Fence, 6 ga. Galv.steel	30	LF	77.08	12.13	89.22		2,677
4" CMU	1078	SF	3.12	6.30	9.42		10,160
4" CMU, ground face	24	SF	4.95	7.88	12.83		308
8" CMU	7318	SF	4.66	7.35	12.01		87,856
8" CMU, ground face	218	SF	7.17	9.00	16.17		3,526
8" CMU, fire rated, 1hr	490	SF	6.24	7.55	13.79		6,758
8" CMU, fire rated, 2hr	1444	SF	6.59	7.61	14.21		20,514
3'x 7' SCW door w/ HM frame, paint, & hdwr	9	EA	1,625	481	2,107		18,959
Pair 3'x 7' SCW door w/ HM frame, paint, & hdwr	1	PR	2,609	885	3,494		3,494
3'x7' HM door w/ frame, paint & hardware	3	EA	2,095	459	2,553		7,660
Pair 3'x7' HM doors w/ frame, paint & hardware	1	PR	3,547	840	4,387		4,387
3'x7' HM door w/hm. frame, paint, & panic, rated	2	EA	2,906	546	3,452		6,905
Tempered Glass Narrow Lights in doors	3	EA	158		158		473
Mop & Broom Holder	1	EA	126	29.13	155		155
Stainless Steel Grab Bars, 18"	5	EA	19.01	24.16	43.18		216
Stainless Steel Grab Bars, 36"	7	EA	23.20	29.13	52.33		366
Stainless Steel Grab Bars, 42"	11	EA	72.39	29.13	102		1,117
Stainless Steel Grab Bars, L	2	EA	166	29.13	195		390
Robe or Coat Hook	20	EA	26.69	6.04	32.73		655
Shower Curtain Rod	12	EA	48.84	44.35	93.19		1,118
Shower Seat	4	EA		329	329		1,315
Toilet Partition, phenolic	9	EA	1,631	165	1,796		16,168
Urinal Partition, phenolic	2	EA	290	193	483		966
Signs, wall & door	8	SF	225	14.70	240		1,918
Marker Boards, alum frame	64	SF	24.75	2.54	27.28		1,746
Fire extinguisher w/ alum door & frame	7	EA	403	159	562		3,933
Locker Room Benches	19	LF	144	8.67	153		2,899
Lockers, single tier	6	EA	584	34.42	619		3,713
Lockers, athletic	131	EA	907	95.33	1,002		131,311
Perimeter Wall Padding	780	SF	16.89	5.53	22.42		17,490
Paint (low-VOC) masonry, primer & 2 coats- spray	13260	SF	0.44	0.60	1.04		13,731
Epoxy Coating (low-VOC)	7462	SF	0.66	2.85	3.52		26,241

A+A7 Weathers Creek High School						Net SF:	252,813
Construction Document Estimate						UNIT	TOTAL
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	TOTAL		COST
Seal Coat Concrete (low-VOC)	2876	SF	0.42	0.18	0.60		1,729
Epoxy Floor Coating, non slip (low-VOC)	3572	SF	9.45	6.39	15.84		56,578
Vinyl Sheet Flooring	2100	SF	8.10	3.50	11.60		24,362
Integral Base, resin	574	LF	4.73	4.79	9.52		5,462
Integral Cove Base, sheet vinyl	252	LF	16.66	3.08	19.73		4,973
Paint (low-VOC) Ceiling, 3 coats, Spray	5892	SF	0.35	0.72	1.07		6,278
ACT & Grid	2202	SF	5.37	2.28	7.65		16,852
ACT & Grid, washable	164	SF	4.08	2.28	6.36		1,044
Belco #60 Washer	1	EA	30,333	867	31,200		31,200
Belco #75 Dryer	1	EA	13,271	867	14,137		14,137
Base Cabinets, wood	21	LF	785	46.34	831		17,457
Wall Cabinets, wood	11	LF	352	38.40	391		4,298
Counter Tops, solid surface	11	LF	195	60.90	256		2,819
Counter Tops, stainless steel	20	LF	663	48.33	711		14,223
Plumbing							
Plumbing Fixtures							
Water Closet, Flush Valve, Floor Mtd (WC-1)	5	EA	1793.44	686.20	2479.64		12,398
Water Closet, Flush Valve, Flr Mtd, Hdcp'd (WC-1 (H))	7	EA	1841.91	686.20	2528.11		17,697
Urinal, Wall Mtd. (UR-1 & UR-1(H))	3	EA	2268.46	896.21	3164.67		9,494
Lavatory, Wall Hung (WF-3)	2	EA	9306.49	968.44	10274.93		20,550
Lavatory, Wall Hung (L-1(H))	3	EA	3063.38	968.44	4031.83		12,095
S/S Sink (SK-3)	1	EA	2772.56	905.57	3678.13		3,678
S/S Sink (L-3(H))	1	EA	2627.14	880.16	3507.30		3,507
S/S Sink (SK-7)	1	EA	2627.14	880.16	3507.30		3,507
Electric Water Cooler (EWC-1(H))	2	EA	3044	690	3734		7,468
Shower Head, Hand Held w/Shower Mixing Valve (SHR-1)	4	EA	679	118	796		3,185
Shower Head, Hand Held w/Shower Mixing Valve (SHR-2)	2	EA	814	118	932		1,864
Shower Head, Hand Held w/Shower Mixing Valve (SHR-3)	2	EA	911	118	1029		2,058
Tankless Water Heater (GWH-17, -18, -19)	3	EA	3160.33	702.25	3862.58		11,588
Janitor Sink (JR-2)	1	EA	5234.90	1092.84	6327.74		6,328
Domestic Water Piping							
½" Copper Pipe w/Ftgs, Hgrs & Insul.	620	LF	7.07	17.47	24.54		15,215
¾" Copper Pipe w/Ftgs, Hgrs & Insul.	155	LF	8.65	18.49	27.13		4,205
1" Copper Pipe w/Ftgs, Hgrs & Insul.	175	LF	10.94	20.52	31.46		5,506
1 ½" Copper Pipe w/Ftgs, Hgrs & Insul.	182	LF	19.14	25.05	44.19		8,043
2" Copper Pipe w/Ftgs, Hgrs & Insul.	62	LF	34.30	29.68	63.98		3,967
2 ½" Copper Pipe w/Ftgs, Hgrs & Insul.	173	LF	49.23	37.21	86.44		14,954
Domestic Water Specialties							
Hose Bibb	4	EA	86.28	30.10	116.38		466
Mixing Valve (MV-5)	1	EA	1095.45	122.39	1217.84		1,218

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
Water Hammer Arrestor (WHA)	6	EA	101.79	90.29	192.08	1,152
2 1/2" Red. Press. Backflow Preventer	1	EA	9209.54	391.26	9600.80	9,601
Pressure Reducing Valve (PRV)	1	EA	6785.98	77.58	6863.56	6,864
Sanitary Waste Piping Below Grade						
PVC, DWV w/Ftgs (Below Grade)	1	LS	11640.86	16628.04	28268.90	28,269
Sanitary Waste & Vent Piping						
CISP No Hub Pipe, Ftgs & Hgrs	1	LS	3092.47	2429.13	5521.60	5,522
Sanitary DWV Specialties						
3" Floor Drain (FD-1, FD-2)	9	EA	719.80	201.31	921.11	8,290
Grade Clean Out (GCO)	1	EA	723.29	90.29	813.58	814
Plumbing Specialties						
Vibration Isolation & Seismic Restraint	9390	SF			0.15	1,442
Submittals and Close Out Documentation	9390	SF		0.08	0.08	754
Plumbing Shop Drawings	9390	SF		0.11	0.11	1,005
Plumbing "As Built" Drawings	9390	SF		0.08	0.08	754
Pressure Test Domestic / DWV Lines	9390	SF		0.04	0.04	377
Disinfect Domestic Water Lines	9390	SF		0.03	0.03	251
Pipe Labeling / Tagging	9390	SF		0.07	0.07	628
One Year Contractor Service Warranty	9390	SF		0.05	0.05	502
Hot Water Circulating Pump, 1/12 HP (HWCP-3)	1	EA	1318.42	216.70	1535.11	1,535
Natural Gas Piping						
C/S T&C Pipe w/Ftgs & Hgrs	1	LS	2586.43	3991.48	6577.91	6,578
Gas Pressure Regulator	1	EA	1357.20	56.18	1413.38	1,413
HVAC						
Dedicated Outdoor Air Units						
100% Outside Air Unit 2800 CFM (TAG: PKG-H)	1	EA	30052	4280	34333	34,333
Air Package Units						
Roof Top DX A/C w/Gas Heat, 4 Ton (TAG-PKG-1)	1	EA	16480	9664	26145	26,145
Roof Top DX A/C w/Gas Heat, 7 1/2 Ton (TAG-PKG-2)	1	EA	21327	10066	31393	31,393
Ductless Split Syst., Cooling Only Wall Mount 1 1/2 Ton	2	EA	4223	966	5189	10,377
Ductwork						
Galv. Rectangular & Round Duct	9541	LB	1.09	14.31	15.40	146,916
18" Ø Spiral Duct w/Ftgs	70	LF	102.66	116.37	219.04	15,332
Flex Duct, 10"	200	LF	10.47	9.03	19.50	3,900
Duct Insulation						
Duct Insulation / Liner, 2" Thk, 1 1/2 Lb Density	6680	SF	3.08	9.76	12.85	85,821
Grilles, Registers & Diffusers						
Ceiling Diffuser	20	EA	217.15	63.54	280.69	5,614
Sidewall Grille	16	EA	164.80	56.18	220.98	3,536
Spiral Duct Grille	13	EA	552.57	193.96	746.53	9,705

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION	U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST	
Louvers & Dampers						
Louvers, Fixed Blade, Stormproof	4 SF	90.16	29.69	119.85	479	
Kynar Finish / Color By Architect	4 SF	76.58		76.58	306	
Supply & Exhaust Fans & Vents						
Ceiling Right Angle Exh. Fan, 95 CFM	3 EA	548.69	82.93	631.63	1,895	
Unit Heaters						
Elect. Ceiling Heater, 3KW	1 EA	911	161	1072	1,072	
Elect. Ceiling Heater, 5KW	2 EA	960	201	1160	2,321	
Elect. Ceiling Heater, 2KW	2 EA	911	161	1072	2,144	
Elect. Unit Heater, 3.7KW	2 EA	1299	241	1540	3,080	
Controls System						
DDC Controls System (Sole Supplier)	9,390 SF			7.68	72,087	
HVAC Specialties						
Vibration Isolation & Seismic Restraint	9,390 SF		0.56	0.56	5,275	
HVAC Shop Drawings	9,390 SF		0.30	0.30	2,826	
HVAC "As Built" Drawings	9,390 SF		0.22	0.22	2,072	
Submittals and Close Out Documentation	9,390 SF		0.20	0.20	1,884	
Operation & Maintenance Manuals (O & M's)	9,390 SF		0.08	0.08	754	
Inspection & Limited Commissioning	9,390 SF		0.32	0.32	3,014	
Owner Training For Operating Personnel	9,390 SF		0.08	0.08	754	
One Year Contractor Service Warranty	9,390 SF		0.10	0.10	942	
Piping / Equipment Labeling & Tagging	9,390 SF		0.05	0.05	502	
Air Side Testing & Balancing						
Start-Up, Test & Balance DX Unit	3 EA			562.98	1,689	
Start-Up, Test & Balance DFS Units	2 EA			447.83	896	
Start-Up, Test & Balance Ceiling Cabinet Fans	3 EA			44.78	134	
Test & Balance Grilles & Diffusers	49 EA			107.48	5,266	
Fire Protection						
Wet Pipe Sprinkler System	8190 SF	3.49	3.36	6.85	56,080	
Wet Pipe Sprinkler System, Ord. Haz.	1200 SF	4.46	3.68	8.14	9,765	
Field House Electrical - Area H						
Distribution Switchboard						
SWBD_Pressure switch, GF, 277/480 volt, 1600 amp	1 EA	53,530	2,953	56,483	56,483	
SWBD_Dist. Section, to 480 volt, 1600 amp	2 EA	8,889	2,779	11,669	23,338	
Ground fault protection, ground return path	1 EA	12,609	328	12,938	12,938	
Switchboard instruments, metering, V/A/WH	1 EA	22,996	1,181	24,178	24,178	
House keeping pad, 5'x5'x8"	3 EA	290	250	540	1,621	
Circuit breaker, LA frame, 125-400 amp	5 EA	8,213	386	8,599	42,993	
Circuit breaker, FA frame, 480 volt, 3 pole, 70A to 100A	4 EA	2,367	229	2,597	10,386	
Circuit breaker, FA frame, 480 volt, 3 pole, 15A to 60A	1 EA	1,044	174	1,217	1,217	

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
Transient voltage surge suppressor	1	EA	7,993	403	8,396	8,396
Switchboard Breakers						
Circuit breaker, FA frame, 480 volt, 3 pole, 15 to 60 a	4	EA	1,044	174	1,217	4,869
Circuit breaker, FA frame, 480 volt, 3 pole, 70 to 100	4	EA	2,367	229	2,597	10,386
Circuit breaker, KA frame, 70-225 amp	2	EA	2,705	288	2,994	5,988
Circuit breaker, LA frame, 125-400 amp	3	EA	8,310	400	8,709	26,128
Distribution Panels						
Panelboard, 400A, 480 volt, MCB, 42 ckt., w/1P brkrs	2	EA	12,175	3,865	16,040	32,079
Panelboard TVSS	2	EA	1,403	350	1,753	3,505
Panelboard, 400A, 208 volt, MCB, 42 ckt., w/1P brkrs	2	EA	9,711	3,691	13,402	26,804
Panelboard TVSS	2	EA	1,403	350	1,753	3,505
Multi-pole Breakers						
Circuit breaker, 10KAIC, 2 pole, 15-50 amp, 240 volt	3	EA	123	115	237	712
Circuit breaker, 15-60 amp, 3 pole, 480V	4	EA	744	122	866	3,466
Circuit breaker, KA frame, 70-225 amp	2	EA	2,705	288	2,994	5,988
Distribution Transformers						
Transformer, 75 KVA, 3 phase, 480/120/208	2	EA	8,938	2,519	11,457	22,913
House keeping pad, 4'x4'x6"	2	EA	162	150	312	624
1 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	20	LF	6.86	9.81	16.68	334
1 1/2" EMT elbow	8	EA	10.63	36.48	47.11	377
1 1/2" EMT connector	4	EA	4.95	14.77	19.71	78.85
1 1/2" EMT coupling	16	EA	17.59	23.28	40.86	654
1 1/2" RGS coupling	2	EA	7.19	11.47	18.65	37.31
1 1/2" Flex	6	LF	4.44	17.72	22.16	133
1 1/2" Flex connector	2	EA	14.11	22.15	36.26	72.51
1 1/2" 90D Flex connector	2	EA	72.47	38.22	111	221
1 1/2" ground bushing	2	EA	34.49	57.33	91.82	184
#6 THHN wire, copper	40	LF	0.81	1.36	2.18	87.01
#1/0 THHN wire, copper	120	LF	3.73	2.78	6.51	781
Exothermic weld	2	EA	18.17	127	145	290
#2 THHN wire, copper	60	LF	1.92	1.96	3.89	233
#2 THHN wire termination - Crimp 1-hole lug, CU/AL	2	EA	5.37	35.61	40.98	81.97
Distribution Panel Feeders						
400A						
3 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	140	LF	21.45	20.41	41.86	5,861
3 1/2" EMT elbow	32	EA	69.57	131	201	6,423
3 1/2" EMT connector	16	EA	39.62	43.43	83.04	1,329
3 1/2" EMT coupling	64	EA	274	48.64	323	20,675
3 1/2" RGS coupling	2	EA	40.58	19.54	60.12	120
3 1/2" Flex	6	LF	13.04	44.30	57.34	344

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
3 1/2" Flex connector	2	EA	186	55.59	241	482
3 1/2" 90D Flex connector	2	EA	870	80.78	950	1,901
3 1/2" ground bushing	2	EA	117	102	219	439
#1/0 THHN wire, copper	220	LF	3.73	2.78	6.51	1,432
600 kcmil THHN wire, copper	880	LF	16.33	7.04	23.36	20,561
Safety Switches						
400 amp enclosed circuit brkr, 3p, NEMA 1	2	EA	8542.43	1016.64	9559.07	19,118
240 volt, 30 amp, HD, FDS, 2p, NEMA 1, w/fuses	2	EA	151.97	232.60	384.57	769
240 volt, 30 amp FDS, 2p, NEMA 3R, w/fuses	2	EA	254.86	263.40	518.26	1,037
600 volt, 60 amp , 2p, NEMA 1, NFSS	10	EA	307.72	354.28	662.00	6,620
600 volt, 60 amp FDS, 3p, NEMA 3R, w/fuses	3	EA	717.37	371.23	1088.60	3,266
Light Fixtures						
Type A1 Light	23	EA	384	96	480	11,037
Type A4 Light	20	EA	384	96	480	9,597
Type B Light	2	EA	384	96	480	960
Type C1 Light	2	EA	661	102	762	1,525
Type D2 Light	4	EA	216	138	354	1,416
Type E1 Light	4	EA	333	116	449	1,797
Type E2 Light	2	EA	333	116	449	899
Type EW1 Light	1	EA	383	203	586	586
Type Q1 Light	75	EA	458	354	812	60,913
Type Q2 Light	8	EA	458	354	812	6,497
Type W6 Light	14	EA	833	203	1036	14,502
Type X1 Light	12	EA	271	185	455	5,465
Type X2 Light	3	EA	271	185	455	1,366
Lighting Conduit & Wire						
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	4220	LF	2.32	6.27	8.59	36,255
3/4" EMT connector	338	EA	0.93	7.41	8.33	2,814
3/4" EMT field bend	1182	EA		10.17	10.17	12,013
4" Square box w/cover (ring), support	211	EA	3.89	40.82	44.71	9,434
#12 THHN wire, copper	16880	LF	0.66	0.74	1.40	23,634
Fixture whip, (3) #16THHN	138	EA	17.93	25.49	43.43	5,993
Lighting Controls						
Switch, 20 amp 1 pole, w/box, ring, cover	6	EA	48.18	99.71	148	887
Switch, 20 amp, 3 way, w/box, ring, cover	2	EA	63.33	104	168	335
Switch, 20 amp, 4 way, w/box, ring, cover	3	EA	80.78	113	194	581
Key Switch, 20 amp 1 pole, w/box, ring, cover	4	EA	85.53	102	188	750
Occupancy Sensor, 1-pole, wall	6	EA	145	36.48	181	1,088
Occ Sensor, High bay, w/box, ring, cover	23	EA	386	156	543	12,485
Remote power pack	18	EA	72.47	142	214	3,853

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION	U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST	
Receptacles						
Duplex Receptacle, 20 amp, w/box, ring, cover	35 EA	44.56	113	158	5,515	
Quad Receptacle, 20 amp, w/box, ring, cover	4 EA	64.06	124	188	754	
GFI Receptacle, 20 amp, w/ cover	38 EA	81.40	41.85	123	4,683	
WPGFI Receptacle, 20 amp, w/box, ring, wp cover	11 EA	88.28	115	203	2,238	
Receptacle Conduit & Wire						
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	700 LF	2.38	7.07	9.45	6,613	
3/4" EMT connector	56 EA	0.95	8.36	9.30	521	
3/4" EMT field bend	196 EA		11.47	11.47	2,247	
4" Square box w/cover (ring), support	35 EA	3.98	46.03	50.01	1,751	
#12 THHN wire, copper	2800 LF	0.68	0.83	1.51	4,229	
Equipment Connections						
< 1 HP, 120V, flexible motor connection	2 EA	9.82	101.66	111.48	223	
10 HP, 277V, flexible motor connection	10 EA	10.95	101.66	112.61	1,126	
40 HP, 480V, 3ph, sealtite motor connection	2 EA	52.86	163.28	216.14	432	
Equipment Conduit & Wire						
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	1410 LF	2.32	6.27	8.59	12,114	
3/4" EMT connector	30 EA	0.93	7.41	8.33	250	
3/4" EMT field bend	90 EA		10.17	10.17	915	
#12 THHN wire, copper	810 LF	0.66	0.74	1.40	1,134	
#10 THHN wire, copper	1290 LF	0.59	0.82	1.40	1,808	
#8 THHN wire, copper	780 LF	0.65	1.02	1.67	1,301	
#6 THHN wire, copper	3090 LF	1.04	1.26	2.29	7,088	
Fire Alarm System						
Duct Detector, addressable	1 EA	367	288	656	656	
AHU shut down relay	1 EA	184	123	307	307	
Remote Test Switch	1 EA	228	171	399	399	
Smoke Detector, addressable	3 EA	437	154	590	1,771	
Heat Detector, addressable	2 EA	425	127	552	1,104	
Pull Station, addressable	6 EA	157	148	304	1,825	
Audio/visual	12 EA	300	167	466	5,596	
Visual only (strobe)	5 EA	211	137	348	1,739	
Heat Detector, addressable	2 EA	197	148	345	690	
Visual only (strobe)	5 EA	199	132	331	1,655	
10" Bell	1 EA	325	115	439	439	
Speaker	1 EA	274	115	389	389	
Tamper/Flow / Pressure Switch	2 EA	986	113	1,098	2,197	
Outdoor PIV	1 EA	2,755	278	3,033	3,033	
Carbon Monoxide Detector, addressable	4 EA	889	38.22	927	3,709	
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	940 LF	1.95	6.81	8.76	8,236	

A+A7		Weathers Creek High School				Net SF:	252,813
Construction Document Estimate				EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
DESCRIPTION		U/M					
3/4" EMT connector		75	EA	0.95	8.04	8.99	676
3/4" EMT field bend		263	EA		11.03	11.03	2,903
4" Square box w/cover (ring), support		47	EA	20.70	58.11	78.80	3,704
18/2 fire alarm cable		1880	LF	1.22	1.10	2.32	4,363
#14 THHN wire, copper		3760	LF	0.14	0.68	0.82	3,067
Telecom System							
Biscuit box		11	EA	8.70	12.33	21.03	231
1 port wall phone plate, stainless steel		1	EA	15.85	11.55	27.40	27.40
2 port data plate, stainless steel		12	EA	16.23	12.33	28.57	343
CAT 6 Jack (label, test)		36	EA	7.34	13.64	20.98	755
Patch panel, punch down termination per port		36	EA		8.27	8.27	298
CAT 6 cable, plenum		5400	LF	0.23	1.27	1.50	8,105
1" EMT w/ 11 coup, 2 bends & 2 term. per 100'		240	LF	3.25	7.70	10.94	2,626
1" EMT connector		43	EA	1.84	9.81	11.65	503
1" EMT field bend		139	EA		12.16	12.16	1,693
4 11/16" x 2 1/8"D Square box w/cover (ring), support		24	EA	17.41	60.97	78.38	1,881
PA System							
Speaker		18	EA	267	110	377	6,786
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'		360	LF	2.28	6.43	8.71	3,135
3/4" EMT connector		29	EA	6.20	7.59	13.79	397
3/4" EMT field bend		101	EA		10.42	10.42	1,051
4" Square box w/cover (ring), support		18	EA	10.05	41.69	51.74	931
Speaker cable		378	LF	0.15	1.04	1.20	452
Security System							
Card Reader, Flush type, standard		7	EA	1,314	328	1,642	11,497
Motion detector		10	EA	373	386	759	7,586
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'		340	LF	2.28	6.43	8.71	2,961
3/4" EMT connector		27	EA	6.20	7.59	13.79	375
3/4" EMT field bend		95	EA		10.42	10.42	992
4" Square box w/cover (ring), support		17	EA	10.05	41.69	51.74	880
18/4pr shielded security system cable		357	LF	4.27	1.81	6.08	2,170
G2045b Home Concessions		4374	SF	@	344	=	1,502,568
Architectural							
Strip Footings & Thickened Slab, incl reinforcing		65	CY	394	154	548	35,593
4" Light Ind. SOG, Reinf, VB, Gravel Base, Form, Finish		4374	SF	7.48	6.34	13.82	60,446
Termite Pretreatment, Slabs & Walls		4374	SF	0.97	0.30	1.27	5,555
WF & Tube Steel Beams & Columns (simple connections		1	TON	7,095	1,230	8,325	8,325

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Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
Miscellaneous Steel: Plates, Bolts, Conns, Angles, etc...	8	TON	12,058	6,404	18,462	147,697
Metal Decking, open, galv, 1-1/2" deep, 20ga	4300	SF	5.80	1.05	6.84	29,429
Face Brick Veneer, 8" CMU	4620	SF	13.20	20.34	33.55	154,979
4" Ground Face CMU Veneer, 8" CMU	840	SF	11.15	17.13	28.29	23,762
Precast Band	260	LF		35.04	35.04	9,110
Erect and dismantle scaffolding	5460	SF		2.16	2.16	11,796
Rent Scaffolding, 3 months	5460	SF	1.62		1.62	8,847
3'x7' HM door w/hm. frame, paint, & panic hdwr.	4	EA	3,391	539	3,930	15,720
Pair 3'x7' HM doors w/ frame/panic hdwr, paint	1	PR	6,643	928	7,571	7,571
Roll-up Counter Door 8' x 5' (coiling)	6	EA	2,353	1,672	4,025	24,149
Roll-up Overhead Steel Door 12' x 10' (coiling)	1	EA	1,592	1,740	3,332	3,332
1/2" Gypsum cover board	5230	SF	1.44	0.48	1.92	10,049
Polyisocyanurate Rigid Insulation, 6" thick, straight	5230	SF	4.59	0.62	5.21	27,255
Standing Seam , including fasteners & trim, galvalum	5230	SF	11.69	3.01	14.70	76,862
High Temp roof Underlayment	5230	SF	0.61	0.17	0.78	4,077
Reinforced PVC, 60 mils fully adhered	195	SF	2.57	1.08	3.65	712
1/2" Gypsum cover board	195	SF	1.44	0.48	1.92	375
Polyisocyanurate Rigid Insulation, 3" thick, straight	195	SF	2.30	0.48	2.78	541
Rail Type Snow Guard	71	SF	5.08	1.71	6.79	482
Ice & Water Shield	600	SF	1.73	0.65	2.38	1,425
Prefinished Aluminum Gutters, 5" Box-type	71	LF	6.00	6.46	12.46	885
Prefinished Aluminum Downspouts, 3" x 4"	36	LF	4.68	5.77	10.44	376
Stainless Steel Downspout Boots, 3" x 4"	3	EA	677	8.10	685	2,055
Fascia, Aluminum (NO furring included)	416	SF	15.25	5.57	20.81	8,659
Prefinished Metal Soffit	600	SF	13.21	6.43	19.64	11,787
Ships Ladder	10	RI	486	103	588	5,884
8' H Chain Link Fence, 6 ga. Galv.steel	27	LF	77.08	12.13	89.22	2,409
8" CMU	3848	SF	4.66	7.35	12.01	46,197
8" CMU, ground face	282	SF	7.17	9.00	16.17	4,561
3'x7' HM door w/ frame, paint & hardware	1	EA	2,095	459	2,553	2,553
Mop & Broom Holder	1	EA	126	29.13	155	155
Stainless Steel Grab Bars, 18"	2	EA	19.01	24.16	43.18	86.35
Stainless Steel Grab Bars, 36"	2	EA	23.20	29.13	52.33	105
Stainless Steel Grab Bars, 42"	6	EA	72.39	29.13	102	609
Robe or Coat Hook	17	EA	26.69	6.04	32.73	556
Toilet Partition, phenolic	17	EA	1,631	165	1,796	30,540
Urinal Partition, phenolic	5	EA	290	193	483	2,414
Changing Station, Baby	2	EA	549	58.25	608	1,215
Signs, wall & door	2	SF	225	14.70	240	479
Fire extinguisher w/ alum door & frame	3	EA	403	159	562	1,685

A+A7		Weathers Creek High School				Net SF:	252,813
Construction Document Estimate				EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
DESCRIPTION		U/M					
Paint (low-VOC) masonry, primer & 2 coats- spray		5500	SF	0.44	0.60	1.04	5,695
Epoxy Coating (low-VOC)		3234	SF	0.66	2.85	3.52	11,373
Seal Coat Concrete (low-VOC)		1118	SF	0.42	0.18	0.60	672
Epoxy Floor Coating, non slip (low-VOC)		1630	SF	9.45	6.39	15.84	25,818
Vinyl Sheet Flooring		692	SF	8.10	3.50	11.60	8,028
Integral Base, resin		356	LF	4.73	4.79	9.52	3,388
Integral Cove Base, sheet vinyl		122	LF	16.66	3.08	19.73	2,408
Gyp Board Ceiling,taped,finish,paint,susp system		2306	SF	1.80	3.73	5.52	12,737
Paint (low-VOC) Ceiling, 3 coats, Spray		500	SF	0.35	0.72	1.07	533
Counter Tops, stainless steel		55	LF	663	48.33	711	39,114
Plumbing							
Plumbing Fixtures							
Water Closet, Flush Valve, Floor Mtd (WC-1)		13	EA	1793	686	2480	32,235
Water Closet, Flush Valve, Flr Mtd, Hdcp'd (WC-1 (H))		4	EA	1842	686	2528	10,112
Urinal, Wall Mtd. (UR-1 & UR-1(H))		5	EA	2268	896	3165	15,823
Lavatory, Wall Hung (WF-3)		4	EA	9306	968	10275	41,100
S/S Sink (L-3(H))		1	EA	2627	880	3507	3,507
Electric Water Cooler (EWC-1(H))		1	EA	3044	690	3734	3,734
Tankless Water Heater (GWH-13 & GWH-14)		2	EA	3160	702	3863	7,725
Janitor Sink (JR-2)		1	EA	5235	1093	6328	6,328
Domestic Water Piping							
½" Copper Pipe w/Ftgs, Hgrs & Insul.		398	LF	7.07	17.47	24.54	9,767
¾" Copper Pipe w/Ftgs, Hgrs & Insul.		136	LF	8.65	18.49	27.13	3,690
1" Copper Pipe w/Ftgs, Hgrs & Insul.		459	LF	10.94	20.52	31.46	14,442
1 ¼" Copper Pipe w/Ftgs, Hgrs & Insul.		12	LF	26.17	22.91	49.09	589
1 ½" Copper Pipe w/Ftgs, Hgrs & Insul.		19	LF	19.14	25.05	44.19	840
2" Copper Pipe w/Ftgs, Hgrs & Insul.		63	LF	34.30	29.68	63.98	4,031
2 ½" Copper Pipe w/Ftgs, Hgrs & Insul.		61	LF	49.23	37.21	86.44	5,273
Domestic Water Specialties							
Hose Bibb		4	EA	86.28	30.10	116.38	466
Mixing Valve (MV-5)		1	EA	1095	122.39	1218	1,218
Water Hammer Arrester (WHA)		6	EA	102	90.29	192	1,152
2 ½" Red. Press. Backflow Preventer		1	EA	9210	391.26	9601	9,601
Pressure Reducing Valve (PRV)		1	EA	6786	77.58	6864	6,864
Sanitary Waste Piping Below Grade							
2" PVC, DWV w/Ftgs (Below Grade)		69	LF	5.69	17.19	22.88	1,579
3" PVC, DWV w/Ftgs (Below Grade)		230	LF	11.54	21.05	32.59	7,496
4" PVC, DWV w/Ftgs (Below Grade)		254	LF	17.04	24.34	41.39	10,512
Sanitary Waste & Vent Piping							
2" CISP No Hub Pipe, Ftgs & Hgrs		60	LF	27.09	22.66	49.75	2,985

A+A7 Weathers Creek High School						Net SF:	252,813
Construction Document Estimate						UNIT	TOTAL
DESCRIPTION	U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST		
3" CISP No Hub Pipe, Ftgs & Hgrs	40 LF	30.31	23.81	54.12	2,165		
Sanitary DWV Specialties							
Floor Sink 12 x 12 (FS-1)	1 EA	1384.34	215.36	1599.70	1,600		
3" Floor Drain (FD-1, FD-2)	10 EA	719.80	201.31	921.11	9,211		
Grade Clean Out (GCO)	1 EA	723.29	90.29	813.58	814		
Plumbing Specialties							
Vibration Isolation & Seismic Restraint	3634 SF			0.15	558		
Submittals and Close Out Documentation	3634 SF		0.08	0.08	292		
Plumbing Shop Drawings	3634 SF		0.11	0.11	389		
Plumbing "As Built" Drawings	3634 SF		0.08	0.08	292		
Pressure Test Domestic / DWV Lines	3634 SF		0.04	0.04	146		
Disinfect Domestic Water Lines	3634 SF		0.03	0.03	97.22		
Pipe Labeling / Tagging	3634 SF		0.07	0.07	243		
One Year Contractor Service Warranty	3634 SF		0.05	0.05	194		
Hot Water Circulating Pump, 1/12 HP (HWCP-3)	1 EA	1318	217	1535	1,535		
Natural Gas Piping							
¾" C/S T&C Pipe w/Ftgs & Hgrs	75 LF	7.35	17.05	24.40	1,830		
Gas Pressure Regulator	1 EA	1357	56	1413	1,413		
HVAC							
Air Package Units							
Ductless Split Syst., Cooling Only , 3 Ton	1 EA	9270	1104	10374	10,374		
Ductless Split Syst., Cooling Only, 2.5 Ton	1 EA	5945	944	6889	6,889		
Air Distribution							
Ductwork							
Galv. Rectangular & Round Duct (2000-5000#)	3450 LB	1.09	14.31	15.40	53,124		
Duct Insulation							
Duct Insulation / Liner, 2" Thk, 1½ Lb Density	2415 SF	3.08	9.76	12.85	31,027		
Grilles, Registers & Diffusers							
Ceiling Diffuser	17 EA	217	64	281	4,772		
Duct Mounted Grilles	2 EA	553	194	747	1,493		
Louvers & Dampers							
Louvers, Fixed Blade, Stormproof	10 SF	90.16	29.69	119.85	1,198		
Kynar Finish / Color By Architect	10 SF	76.58		76.58	766		
Supply & Exhaust Fans & Vents							
Inline Fan, 1200 CFM	1 EA	3684	829	4513	4,513		
Unit Heaters							
Elect. Ceiling Heater, 5KW	2 EA	960	201	1160	2,321		
Controls System							
DDC Controls System (Sole Supplier)	3,634 SF			7.68	27,898		
HVAC Specialties							

A+A7 Weathers Creek High School				Net SF:		252,813	
Construction Document Estimate				EQUIP/	QUOTE/	UNIT	TOTAL
DESCRIPTION		U/M	MAT'L	INSTALL	TOTAL	COST	
Vibration Isolation & Seismic Restraint		3634	SF	0.56	0.56	2,042	
HVAC Shop Drawings		3634	SF	0.30	0.30	1,094	
HVAC "As Built" Drawings		3634	SF	0.22	0.22	802	
Submittals and Close Out Documentation		3634	SF	0.20	0.20	729	
Operation & Maintenance Manuals (O & M's)		3634	SF	0.08	0.08	292	
Inspection & Limited Commissioning		3634	SF	0.32	0.32	1,167	
Owner Training For Operating Personnel		3634	SF	0.08	0.08	292	
One Year Contractor Service Warranty		3634	SF	0.10	0.10	365	
Piping / Equipment Labeling & Tagging		3634	SF	0.05	0.05	194	
Air Side Testing & Balancing							
Start-Up, Test & Balance DFS Units		2	EA		448	896	
Start-Up, Test & Balance Inline Fans		1	EA		806	806	
Test & Balance Grilles & Diffusers		19	EA		107	2,042	
Fire Protection							
Wet Pipe Sprinkler System		840	SF	3.20	3.08	6.28	5,272
Home Consessions Electrical - Area J							
Distribution Panels							
Panelboard, 225, 480 volt, MCB, 42 ckt., w/1P brkrs		1	EA	22,996	3,301	26,297	26,297
Panelboard TVSS		1	EA	1,403	350	1,753	1,753
Panelboard, 200A, 208 volt, MCB, 42 ckt., w/1P brkrs		1	EA	8,648	3,301	11,948	11,948
Panelboard, 100A, 208 volt, MLO, 30 ckt., w/1P brkrs		1	EA	2,271	1,737	4,008	4,008
Panelboard TVSS		1	EA	1,403	350	1,753	1,753
Multi-pole Breakers							
Circuit breaker, 10KAIC, 2 pole, 15-50 amp, 240 volt		4	EA	123	115	237	949
Circuit breaker, 70-100 amp, 2 pole, 480V		1	EA	754	177	931	931
Distribution Transformers							
Transformer, 45 KVA, 3 phase, 480/120/208		1	EA	15,556	2,215	17,771	17,771
House keeping pad, 4'x4'x6"		1	EA	162	150	312	312
1" EMT w/ 11 coup, 2 bends & 2 term. per 100'		10	LF	4.00	8.01	12.01	120
1" EMT connector		2	EA	1.84	10.25	12.08	24.17
1" EMT field bend		6	EA		12.59	12.59	75.57
1" RGS coupling		1	EA	3.75	6.91	10.66	10.66
1" Flex		3	LF	2.13	9.21	11.33	34.00
1" Flex connector		1	EA	7.90	18.41	26.32	26.32
1" 90D Flex connector		1	EA	27.54	23.02	50.55	50.55
1" ground bushing		1	EA	23.48	46.03	69.51	69.51
#8 THHN wire, copper		30	LF	0.67	1.15	1.81	54.40
#4 THHN wire, copper		90	LF	1.73	1.74	3.47	312
Exothermic weld		1	EA	18.17	127	145	145
#8 THHN wire, copper		30	LF	0.67	1.15	1.81	54.40

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate					UNIT	TOTAL
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	TOTAL	COST
#8 THHN wire termination - Crimp 1-hole lug, CU/AL	1	EA	3.23	25.54	28.76	28.76
Distribution Panel Feeders						
60A - PVC						
1 1/4" PVC Sch. 40 conduit	230	LF	4.70	8.36	13.05	3,002
1 1/4" PVC elbow	2	EA	2.61	32.83	35.44	70.88
1 1/4" PVC Sch. 40 adapter	2	EA	0.99	26.32	27.30	54.61
1 1/4" PVC Sch. 40 coupling	4	EA	0.93	32.83	33.76	135
#10 XHHW wire, copper	240	LF	0.51	0.92	1.43	344
#4 XHHW wire, copper	960	LF	1.84	1.74	3.57	3,430
Chain Trenching, 8"x48", backfill	240	LF		1.75	1.75	420
225A - PVC						
2 1/2" PVC Sch. 40 conduit	230	LF	12.66	14.16	26.82	6,168
2 1/2" PVC elbow	2	EA	8.16	61.67	69.82	140
2 1/2" PVC Sch. 40 adapter	2	EA	2.88	39.95	42.83	85.67
2 1/2" PVC Sch. 40 coupling	4	EA	4.77	61.67	66.44	266
#4 XHHW wire, copper	240	LF	1.84	1.74	3.57	858
#4/0 XHHW wire, copper	960	LF	8.60	4.19	12.79	12,275
Chain Trenching, 8"x48", backfill	230	LF		1.75	1.75	403
200A						
2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	10	LF	9.31	11.47	20.78	208
2" EMT elbow	4	EA	16.04	46.03	62.07	248
2" EMT connector	2	EA	6.76	18.41	25.18	50.35
2" EMT coupling	8	EA	23.77	29.70	53.47	428
2" RGS coupling	1	EA	9.02	13.72	22.75	22.75
2" Flex	3	LF	5.57	23.02	28.58	85.75
2" Flex connector	1	EA	20.97	32.83	53.80	53.80
2" 90D Flex connector	1	EA	103	51.25	155	155
2" ground bushing	1	EA	44.45	70.35	115	115
#4 THHN wire, copper	30	LF	1.73	1.74	3.47	104
#3/0 THHN wire, copper	120	LF	5.80	3.68	9.48	1,138
Safety Switches						
240 volt, 60 amp FDS, 2p, NEMA 3R, w/fuses	2	EA	556.91	371.23	928.14	1,856
600 volt, 60 amp , 2p, NEMA 1, NFSS	2	EA	307.72	354.28	662.00	1,324
Light Fixtures						
Type A1 Light	16	EA	383.60	96.27	479.87	7,678
Type A3 Light	18	EA	383.60	96.27	479.87	8,638
Type C1 Light	4	EA	660.74	101.66	762.40	3,050
Type D2 Light	10	EA	216.06	137.86	353.92	3,539
Type E1 Light	2	EA	333.01	116.30	449.31	899
Type E2 Light	4	EA	333.01	116.30	449.31	1,797

A+A7 Weathers Creek High School		Net SF:		252,813	
Construction Document Estimate		EQUIP/		QUOTE/	
DESCRIPTION	U/M	MAT'L	INSTALL	UNIT TOTAL	TOTAL COST
Type W6 Light	11 EA	832.53	203.33	1035.86	11,394
Type X2 Light	1 EA	270.57	184.84	455.42	455
Lighting Conduit & Wire					
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	1600 LF	2.32	6.27	8.59	13,746
3/4" EMT connector	128 EA	0.93	7.41	8.33	1,067
3/4" EMT field bend	448 EA		10.17	10.17	4,555
4" Square box w/cover (ring), support	80 EA	3.89	40.82	44.71	3,577
#12 THHN wire, copper	6400 LF	0.66	0.74	1.40	8,961
Fixture whip, (3) #16THHN	34 EA	17.93	25.49	43.43	1,477
Lighting Controls					
Switch, 20 amp 1 pole, w/box, ring, cover	1 EA	48.18	99.71	148	148
Switch, 20 amp, 3 way, w/box, ring, cover	2 EA	66.50	109	175	350
Key Switch, 20 amp 1 pole, w/box, ring, cover	2 EA	85.53	102	188	375
Occupancy Sensor, 1-pole, wall	3 EA	145	36.48	181	544
Occ Sensor, High bay, w/box, ring, cover	3 EA	386	156	543	1,629
Remote power pack	3 EA	72.47	142	214	642
Receptacles					
Duplex Receptacle, 20 amp, w/box, ring, cover	10 EA	44.56	113	158	1,576
GFI Receptacle, 20 amp, w/ cover	41 EA	81.40	41.85	123	5,053
WPGFI Receptacle, 20 amp, w/box, ring, wp cover	5 EA	88.28	115	203	1,017
Receptacle Conduit & Wire					
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	200 LF	2.38	7.07	9.45	1,889
3/4" EMT connector	16 EA	0.95	8.36	9.30	149
3/4" EMT field bend	56 EA		11.47	11.47	642
4" Square box w/cover (ring), support	10 EA	3.98	46.03	50.01	500
#12 THHN wire, copper	800 LF	0.68	0.83	1.51	1,208
Equipment Connections					
< 1 HP, 120V, flexible motor connection	2 EA	9.82	101.66	111.48	223
3 HP, 250V, 1ph, flexible motor connection	4 EA	12.27	120.15	132.42	530
5 HP, 250V, 1ph, flexible motor connection	2 EA	10.29	149.42	159.70	319
5 HP, 250V, 1ph, sealtite motor connection	2 EA	19.16	101.66	120.83	242
10 HP, 277V, flexible motor connection	2 EA	10.95	101.66	112.61	225
Equipment Conduit & Wire					
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	860 LF	2.32	6.27	8.59	7,389
3/4" EMT connector	24 EA	0.93	7.41	8.33	200
3/4" EMT field bend	72 EA		10.17	10.17	732
#12 THHN wire, copper	810 LF	0.66	0.74	1.40	1,134
#10 THHN wire, copper	1790 LF	0.59	0.82	1.40	2,509
#6 THHN wire, copper	340 LF	1.04	1.26	2.29	780
Fire Alarm System					

A+A7 Weathers Creek High School		Net SF:		252,813	
Construction Document Estimate					
DESCRIPTION	U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
Audio/visual	5 EA	300	167	466	2,331
Smoke Detector, addressable	4 EA	414	156	570	2,280
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	180 LF	1.95	6.81	8.76	1,577
3/4" EMT connector	14 EA	0.95	8.04	8.99	129
3/4" EMT field bend	50 EA		11.03	11.03	556
4" Square box w/cover (ring), support	9 EA	20.70	58.11	78.80	709
18/2 fire alarm cable	360 LF	1.22	1.10	2.32	835
#14 THHN wire, copper	720 LF	0.14	0.68	0.82	587
Telecom System					
Biscuit box	1 EA	8.70	12.33	21.03	21.03
2 port data plate, stainless steel	3 EA	16.23	12.33	28.57	85.70
CAT 6 Jack (label, test)	7 EA	7.34	13.64	20.98	147
Patch panel, punch down termination per port	7 EA		8.27	8.27	57.88
CAT 6 cable, plenum	1050 LF	0.23	1.27	1.50	1,576
1" EMT w/ 11 coup, 2 bends & 2 term. per 100'	40 LF	3.25	7.70	10.94	438
1" EMT connector	7 EA	1.84	9.81	11.65	83.88
1" EMT field bend	23 EA		12.16	12.16	282
4 11/16" x 2 1/8"D Square box w/cover (ring), support	4 EA	17.41	60.97	78.38	314
PA System					
Speaker	3 EA	267	110	377	1,131
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	60 LF	2.28	6.43	8.71	522
3/4" EMT connector	5 EA	6.20	7.59	13.79	66.21
3/4" EMT field bend	17 EA		10.42	10.42	175
4" Square box w/cover (ring), support	3 EA	10.05	41.69	51.74	155
Speaker cable	63 LF	0.15	1.04	1.20	75.40
Security System					
Card Reader, Flush type, standard	2 EA	1,314	328	1,642	3,285
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	40 LF	2.28	6.43	8.71	348
3/4" EMT connector	3 EA	6.20	7.59	13.79	44.14
3/4" EMT field bend	11 EA		10.42	10.42	117
4" Square box w/cover (ring), support	2 EA	10.05	41.69	51.74	103
18/4pr shielded security system cable	42 LF	4.27	1.81	6.08	255
G2045c Visitor Concessions	3568 SF	@	392	=	1,397,833
Architectural					
Strip Footings & Thickened Slab, incl reinforcing	52 CY	394	154	548	28,475
BLDG SLAB - 4" Light Ind. SOG, Reinf, VB, Gravel Base, Form, Finish	3568 SF	7.48	6.34	13.82	49,308

A+A7 Weathers Creek High School				Net SF: 252,813			
Construction Document Estimate							
DESCRIPTION	U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST		
PORCH SLAB - 4" Light Ind. SOG, Reinf, VB, Gravel Base, Form, Finish	1439 SF	7.48	6.34	13.82	19,886		
4" Light Ind. SOG, Reinf, VB, Gravel Base, Form, Finish	4705 SF	7.48	6.34	13.82	65,020		
Termite Pretreatment, Slabs & Walls	4705 SF	0.97	0.30	1.27	5,975		
Cold Formed Mtl Roof Trusses	5412 SF	6.59	7.12	13.70	74,156		
Metal Decking, open, galv, 1-1/2" deep, 20ga	5600 SF	5.80	1.05	6.84	38,326		
Face Brick Veneer, 8" CMU	3725 SF	13.20	20.34	33.55	124,956		
4" Ground Face CMU Veneer, 8" CMU	790 SF	11.15	17.13	28.29	22,348		
Precast Band	245 LF		35.04	35.04	8,585		
Erect and dismantle scaffolding	4515 SF		2.16	2.16	9,754		
Rent Scaffolding, 3 months	4515 SF	1.62		1.62	7,316		
3'x7' HM door w/hm. frame, paint, & panic hdwr.	8 EA	3,391	539	3,930	31,439		
Roll-up Overhead Steel Door 12' x 12' (sectional)	2 EA	2,249	1,187	3,436	6,873		
Roll-up Counter Door 8' x 5' (coiling)	3 EA	2,353	1,672	4,025	12,074		
1/2" Gypsum cover board	5560 SF	1.44	0.48	1.92	10,683		
Polyisocyanurate Rigid Insulation, 6" thick, straight	5560 SF	4.59	0.62	5.21	28,975		
Standing Seam , including fasteners & trim, galvalum	5560 SF	11.69	3.01	14.70	81,712		
High Temp roof Underlayment	5560 SF	0.61	0.17	0.78	4,334		
Rail Type Snow Guard	200 SF	5.08	1.71	6.79	1,359		
Ice & Water Shield	800 SF	1.73	0.65	2.38	1,901		
Prefinished Aluminum Gutters, 5" Box-type	200 LF	6.00	6.46	12.46	2,492		
Prefinished Aluminum Downspouts, 3" x 4"	62 LF	4.68	5.77	10.44	647		
Stainless Steel Downspout Boots, 3" x 4"	4 EA	677	8.10	685	2,740		
Fascia, Aluminum (NO furring included)	395 SF	15.25	5.57	20.81	8,222		
Prefinished Metal Soffit	1555 SF	13.21	6.43	19.64	30,547		
4" CMU	60 SF	3.12	6.30	9.42	565		
8" CMU	3388 SF	4.66	7.35	12.01	40,674		
8" CMU, ground face	248 SF	7.17	9.00	16.17	4,011		
3'x7' HM door w/ frame, paint & hardware	2 EA	2,095	459	2,553	5,106		
Mop & Broom Holder	1 EA	126	29.13	155	155		
Stainless Steel Grab Bars, 18"	2 EA	19.01	24.16	43.18	86.35		
Stainless Steel Grab Bars, 36"	2 EA	23.20	29.13	52.33	105		
Stainless Steel Grab Bars, 42"	6 EA	72.39	29.13	102	609		
Robe or Coat Hook	10 EA	26.69	6.04	32.73	327		
Toilet Partition, phenolic	10 EA	1,631	165	1,796	17,964		
Urinal Partition, phenolic	3 EA	290	193	483	1,449		
Changing Station, Baby	2 EA	549	58.25	608	1,215		
Signs, wall & door	2 SF	225	14.70	240	479		
Fire extinguisher w/ alum door & frame	4 EA	403	159	562	2,247		

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
Paint (low-VOC) masonry, primer & 2 coats- spray	4090	SF	0.44	0.60	1.04	4,235
Epoxy Coating (low-VOC)	2620	SF	0.66	2.85	3.52	9,213
Seal Coat Concrete (low-VOC)	1460	SF	0.42	0.18	0.60	878
Epoxy Floor Coating, non slip (low-VOC)	1154	SF	9.45	6.39	15.84	18,279
Vinyl Sheet Flooring	410	SF	8.10	3.50	11.60	4,756
Integral Base, resin	308	LF	4.73	4.79	9.52	2,931
Integral Cove Base, sheet vinyl	86	LF	16.66	3.08	19.73	1,697
Gyp Board Ceiling,taped,finish,paint,susp system	1450	SF	1.80	3.73	5.52	8,009
Paint (low-VOC) Ceiling, 3 coats, Spray	1160	SF	0.35	0.72	1.07	1,236
ACT & Grid, washable	108	SF	4.08	2.28	6.36	687
Counter Tops, stainless steel	32	LF	663	48.33	711	22,757
Plumbing						
Plumbing Fixtures						
Water Closet, Flush Valve, Floor Mtd (WC-1)	6	EA	1793	686	2480	14,878
Water Closet, Flush Valve, Flr Mtd, Hdcp'd (WC-1 (H))	6	EA	1842	686	2528	15,169
Urinal, Wall Mtd. (UR-1 & UR-1(H))	3	EA	2268	896	3165	9,494
Lavatory, Wall Hung (WF-3)	1	EA	9306	968	10275	10,275
Lavatory, Wall Hung (WF-4)	1	EA	9888	968	10857	10,857
Lavatory, Wall Hung (L-1(H))	2	EA	3063	968	4032	8,064
S/S Sink (L-3(H))	1	EA	2627	880	3507	3,507
Electric Water Cooler (EWC-1(H))	1	EA	3044	690	3734	3,734
Tankless Water Heater (GWH-15 & GWH-16)	2	EA	3160	702	3863	7,725
Janitor Sink (JR-2)	1	EA	5235	1093	6328	6,328
Domestic Water Piping						
½" Copper Pipe w/Ftgs, Hgrs & Insul.	338	LF	7.07	17.47	24.54	8,295
¾" Copper Pipe w/Ftgs, Hgrs & Insul.	116	LF	8.65	18.49	27.13	3,147
1" Copper Pipe w/Ftgs, Hgrs & Insul.	175	LF	10.94	20.52	31.46	5,506
1 ¼" Copper Pipe w/Ftgs, Hgrs & Insul.	10	LF	26.17	22.91	49.09	491
1 ½" Copper Pipe w/Ftgs, Hgrs & Insul.	16	LF	19.14	25.05	44.19	707
2" Copper Pipe w/Ftgs, Hgrs & Insul.	145	LF	34.30	29.68	63.98	9,277
2 ½" Copper Pipe w/Ftgs, Hgrs & Insul.	61	LF	49.23	37.21	86.44	5,273
Domestic Water Specialties						
Hose Bibb	4	EA	86.28	30.10	116.38	466
Mixing Valve (MV)	1	EA	1095	122	1218	1,218
Water Hammer Arrester (WHA)	6	EA	102	90	192	1,152
2 ½" Red. Press. Backflow Preventer	1	EA	9210	391	9601	9,601
Pressure Reducing Valve (PRV)	1	EA	6786	78	6864	6,864
Sanitary Waste Piping Below Grade						
2" PVC, DWV w/Ftgs (Below Grade)	69	LF	5.69	17.19	22.88	1,579
3" PVC, DWV w/Ftgs (Below Grade)	230	LF	11.54	21.05	32.59	7,496

A+A7	Weathers Creek High School				Net SF:	252,813		
Construction Document Estimate				EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST	
DESCRIPTION			U/M					
4" PVC, DWV w/Ftgs (Below Grade)			304	LF	17.04	24.34	41.39	12,582
Sanitary Waste & Vent Piping								
2" CISP No Hub Pipe, Ftgs & Hgrs			75	LF	27.09	22.66	49.75	3,731
3" CISP No Hub Pipe, Ftgs & Hgrs			40	LF	30.31	23.81	54.12	2,165
Sanitary DWV Specialties								
Floor Sink 12 x 12 (FS-1)			1	EA	1384	215	1600	1,600
3" Floor Drain (FD-1, FD-2)			10	EA	720	201	921	9,211
Grade Clean Out (GCO)			1	EA	723	90	814	814
Plumbing Specialties								
Vibration Isolation & Seismic Restraint			3266	SF			0.15	501
Submittals and Close Out Documentation			3266	SF		0.08	0.08	262
Plumbing Shop Drawings			3266	SF		0.11	0.11	349
Plumbing "As Built" Drawings			3266	SF		0.08	0.08	262
Pressure Test Domestic / DWV Lines			3266	SF		0.04	0.04	131
Disinfect Domestic Water Lines			3266	SF		0.03	0.03	87.37
Pipe Labeling / Tagging			3266	SF		0.07	0.07	218
One Year Contractor Service Warranty			3266	SF		0.05	0.05	175
Hot Water Circulating Pump, 1/12 HP (HWCP)			1	EA	1318.42	216.70	1535.11	1,535
Natural Gas Piping								
¾" C/S T&C Pipe w/Ftgs & Hgrs			75	LF	7.35	17.05	24.40	1,830
Gas Pressure Regulator			1	EA	1357.20	56.18	1413.38	1,413
HVAC								
Air Package Units								
Ductless Split Syst., Cooling Only Wall Mount 1 1/2 Ton			1	EA	4223	966	5189	5,189
Ductless Split Syst., Cooling Only Wall Mount 2 Ton			1	EA	4756	944	5700	5,700
Ductless Split Syst., Cooling Only Wall Mount 3.5 Ton			1	EA	8327	1097	9424	9,424
Air Distribution								
Ductwork								
Galv. Rectangular & Round Duct (2000-5000#)			2250	LB	1.09	14.31	15.40	34,646
Duct Insulation								
Duct Insulation / Liner, 2" Thk, 1½ Lb Density			1575	SF	3.08	9.76	12.85	20,235
Grilles, Registers & Diffusers								
Ceiling Diffuser			13	EA	217	64	281	3,649
Duct Mounted Grilles			3	EA	553	194	747	2,240
Louvers & Dampers								
Louvers, Fixed Blade, Stormproof			5	SF	90.16	29.69	119.85	599
Kynar Finish / Color By Architect			5	SF	76.58		76.58	383
Supply & Exhaust Fans & Vents								
Inline Fan, 800 CFM			1	EA	3684	829	4513	4,513
Ceiling Right Angle Exh. Fan, 95 CFM			3	EA	549	83	632	1,895

A+A7 Weathers Creek High School					Net SF:	252,813	
Construction Document Estimate							
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST	
Unit Heaters							
Elect. Ceiling Heater, 5KW	2	EA	960	201	1160	2,321	
Elect. Unit Heater, 3.7KW	1	EA	1299	241	1540	1,540	
Controls System							
DDC Controls System (Sole Supplier)	3,266	SF			7.68	25,073	
HVAC Specialties							
Vibration Isolation & Seismic Restraint	3266	SF		0.56	0.56	1,835	
HVAC Shop Drawings	3266	SF		0.30	0.30	983	
HVAC "As Built" Drawings	3266	SF		0.22	0.22	721	
Submittals and Close Out Documentation	3266	SF		0.20	0.20	655	
Operation & Maintenance Manuals (O & M's)	3266	SF		0.08	0.08	262	
Inspection & Limited Commissioning	3266	SF		0.32	0.32	1,048	
Owner Training For Operating Personnel	3266	SF		0.08	0.08	262	
One Year Contractor Service Warranty	3266	SF		0.10	0.10	328	
Piping / Equipment Labeling & Tagging	3266	SF		0.05	0.05	175	
Air Side Testing & Balancing							
Start-Up, Test & Balance DFS Units	3	EA			447.83	1,343	
Start-Up, Test & Balance Ceiling Cabinet Fans	3	EA			44.78	134	
Start-Up, Test & Balance Inline Fans	1	EA			806	806	
Test & Balance Grilles & Diffusers	16	EA			107.48	1,720	
Fire Protection							
Wet Pipe Sprinkler System	5320	SF	3.20	3.08	6.28	33,386	
Visitors Consessions Electrical - Area L							
Distribution Panels							
24"x24"x10" Nema 3R CT Cabinet	1	EA	367	354	722	722	
Panelboard, 225, 480 volt, MCB, 42 ckt., w/1P brkrs	1	EA	22,996	3,301	26,297	26,297	
Panelboard TVSS	1	EA	1,403	350	1,753	1,753	
Panelboard, 125A, 208 volt, MLO, 30 ckt., w/1P brkrs	1	EA	2,271	1,737	4,008	4,008	
Panelboard TVSS	1	EA	1,403	350	1,753	1,753	
Multi-pole Breakers							
Circuit breaker, 10KAIC, 2 pole, 15-50 amp, 240 volt	4	EA	123	115	237	949	
Circuit breaker, KA frame, 70-225 amp	1	EA	2,705	288	2,994	2,994	
Distribution Transformers							
Transformer, 45 KVA, 3 phase, 480/120/208	1	EA	15,556	2,215	17,771	17,771	
House keeping pad, 4'x4'x6"	1	EA	162	150	312	312	
1" EMT w/ 11 coup, 2 bends & 2 term. per 100'	10	LF	4.00	8.01	12.01	120	
1" EMT connector	2	EA	1.84	10.25	12.08	24.17	
1" EMT field bend	6	EA		12.59	12.59	75.57	
1" RGS coupling	1	EA	3.75	6.91	10.66	10.66	
1" Flex	3	LF	2.13	9.21	11.33	34.00	

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
1" Flex connector	1	EA	7.90	18.41	26.32	26.32
1" 90D Flex connector	1	EA	27.54	23.02	50.55	50.55
1" ground bushing	1	EA	23.48	46.03	69.51	69.51
#8 THHN wire, copper	30	LF	0.67	1.15	1.81	54.40
#4 THHN wire, copper	90	LF	1.73	1.74	3.47	312
Exothermic weld	1	EA	18.17	127	145	145
#8 THHN wire, copper	30	LF	0.67	1.15	1.81	54.40
#8 THHN wire termination - Crimp 1-hole lug, CU/AL	1	EA	3.23	25.54	28.76	28.76
Distribution Panel Feeders						
125A						
1 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	10	LF	6.86	9.81	16.68	167
1 1/2" EMT elbow	4	EA	10.63	36.48	47.11	188
1 1/2" EMT connector	2	EA	4.95	14.77	19.71	39.43
1 1/2" EMT coupling	8	EA	17.59	23.28	40.86	327
1 1/2" RGS coupling	1	EA	7.19	11.47	18.65	18.65
1 1/2" Flex	3	LF	4.44	18.41	22.86	68.57
1 1/2" Flex connector	1	EA	14.30	23.02	37.32	37.32
1 1/2" 90D Flex connector	1	EA	56.04	39.95	96.00	96.00
1 1/2" ground bushing	1	EA	34.49	57.33	91.82	91.82
#8 THHN wire, copper	30	LF	0.67	1.15	1.81	54.40
#1 THHN wire, copper	120	LF	3.09	2.29	5.38	646
225A						
2 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	100	LF	13.14	15.37	28.51	2,851
2 1/2" EMT elbow	4	EA	34.88	76.43	111	445
2 1/2" EMT connector	2	EA	18.74	25.54	44.28	88.56
2 1/2" EMT coupling	8	EA	135	38.22	173	1,388
#4 THHN wire, copper	110	LF	1.73	1.74	3.47	381
#4/0 THHN wire, copper	440	LF	7.25	4.19	11.43	5,031
225A - PVC						
2 1/2" PVC Sch. 40 conduit	200	LF	12.66	14.16	26.82	5,363
2 1/2" PVC elbow	2	EA	8.16	61.67	69.82	140
2 1/2" PVC Sch. 40 adapter	2	EA	2.88	39.95	42.83	85.67
2 1/2" PVC Sch. 40 coupling	4	EA	4.77	61.67	66.44	266
#4 XHHW wire, copper	210	LF	1.84	1.74	3.57	750
#4/0 XHHW wire, copper	840	LF	8.60	4.19	12.79	10,740
Chain Trenching, 8"x48", backfill	200	LF		1.75	1.75	350
Safety Switches						
240 volt, 60 amp FDS, 2p, NEMA 3R, w/fuses	3	EA	556.91	371.23	928.14	2,784
600 volt, 60 amp , 2p, NEMA 1, NFSS	3	EA	307.72	354.28	662.00	1,986
Light Fixtures						

A+A7 Weathers Creek High School						Net SF:	252,813
Construction Document Estimate							
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST	
Type A1 Light	10	EA	383.60	96.27	479.87	4,799	
Type A3 Light	12	EA	383.60	96.27	479.87	5,758	
Type B Light	2	EA	383.60	96.27	479.87	960	
Type E1 Light	2	EA	333.01	116.30	449.31	899	
Type E2 Light	4	EA	333.01	116.30	449.31	1,797	
Type EW1 Light	9	EA	382.96	203.33	586.29	5,277	
Type EX3 Light	1	EA	303.34	203.33	506.66	507	
Type W5 Light	7	EA	832.53	203.33	1035.86	7,251	
Type W6 Light	3	EA	832.53	203.33	1035.86	3,108	
Lighting Conduit & Wire							
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	1360	LF	2.32	6.27	8.59	11,684	
3/4" EMT connector	109	EA	0.93	7.41	8.33	907	
3/4" EMT field bend	381	EA		10.17	10.17	3,871	
4" Square box w/cover (ring), support	68	EA	3.89	40.82	44.71	3,040	
#12 THHN wire, copper	5440	LF	0.66	0.74	1.40	7,617	
Fixture whip, (3) #16THHN	30	EA	17.93	25.49	43.43	1,303	
Lighting Controls							
Switch, 20 amp 1 pole, w/box, ring, cover	1	EA	48.18	99.71	148	148	
Dimmer Switch, LED, w/box, ring, cover	1	EA	320	119	439	439	
Key Switch, 20 amp 1 pole, w/box, ring, cover	2	EA	85.53	102	188	375	
Occupancy Sensor, 1-pole, wall	5	EA	145	36.48	181	907	
Occ Sensor, ceiling, dual technology, weatherproof	6	EA	317	142	458	2,750	
Remote power pack	3	EA	72.47	142	214	642	
Receptacles							
Duplex Receptacle, 20 amp, w/box, ring, cover	1	EA	44.56	113	158	158	
GFI Receptacle, 20 amp, w/ cover	35	EA	81.40	41.85	123	4,314	
WPGFI Receptacle, 20 amp, w/box, ring, wp cover	5	EA	88.28	115	203	1,017	
Receptacle Conduit & Wire							
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	800	LF	2.32	6.27	8.59	6,873	
3/4" EMT connector	64	EA	0.93	7.41	8.33	533	
3/4" EMT field bend	224	EA		10.17	10.17	2,277	
4" Square box w/cover (ring), support	40	EA	3.89	40.82	44.71	1,788	
#12 THHN wire, copper	3200	LF	0.66	0.74	1.40	4,480	
Equipment Connections							
< 1 HP, 120V, flexible motor connection	2	EA	9.82	101.66	111.48	223	
3 HP, 250V, 1ph, flexible motor connection	4	EA	12.27	120.15	132.42	530	
5 HP, 250V, 1ph, flexible motor connection	3	EA	10.29	149.42	159.70	479	
5 HP, 250V, 1ph, sealtite motor connection	3	EA	19.16	101.66	120.83	362	
10 HP, 277V, flexible motor connection	3	EA	10.95	101.66	112.61	338	
Equipment Conduit & Wire							

A+A7 Weathers Creek High School					Net SF:	252,813	
Construction Document Estimate				EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
DESCRIPTION			U/M				
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'			930	LF	2.32	6.27	7,990
3/4" EMT connector			30	EA	0.93	7.41	250
3/4" EMT field bend			90	EA		10.17	915
#12 THHN wire, copper			750	LF	0.66	0.74	1,050
#10 THHN wire, copper			1450	LF	0.59	0.82	2,032
#8 THHN wire, copper			660	LF	0.65	1.02	1,101
#6 THHN wire, copper			380	LF	1.04	1.26	872
Fire Alarm System							
Pull Station, addressable			2	EA	157	148	608
Audio/visual			6	EA	300	167	2,798
Visual only (strobe)			2	EA	199	132	662
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'			200	LF	1.95	6.81	1,752
3/4" EMT connector			16	EA	0.95	8.04	144
3/4" EMT field bend			56	EA		11.03	618
4" Square box w/cover (ring), support			10	EA	20.70	58.11	788
18/2 fire alarm cable			400	LF	1.22	1.10	928
#14 THHN wire, copper			800	LF	0.14	0.68	653
Telecom System							
Biscuit box			4	EA	8.70	12.33	84.12
2 port data plate, stainless steel			13	EA	16.23	12.33	371
CAT 6 Jack (label, test)			30	EA	7.34	13.64	629
Patch panel, punch down termination per port			30	EA		8.27	248
CAT 6 cable, plenum			4500	LF	0.23	1.27	6,754
1" EMT w/ 11 coup, 2 bends & 2 term. per 100'			170	LF	3.25	7.70	1,860
1" EMT connector			31	EA	1.84	9.81	357
1" EMT field bend			99	EA		12.16	1,199
4 11/16" x 2 1/8"D Square box w/cover (ring), support			17	EA	17.41	60.97	1,333
PA System							
Speaker			8	EA	267	110	3,016
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'			160	LF	2.28	6.43	1,393
3/4" EMT connector			13	EA	6.20	7.59	177
3/4" EMT field bend			45	EA		10.42	467
4" Square box w/cover (ring), support			8	EA	10.05	41.69	414
Speaker cable			168	LF	0.15	1.04	201
G2045d Baseball/Softball Concessions			1360	SF	@	439	= 596,370
Architectural							
Strip Footings & Thickened Slab, incl reinforcing			33	CY	394	154	18,071

A+A7		Weathers Creek High School				Net SF:	252,813
Construction Document Estimate				EQUIP/	QUOTE/	UNIT	TOTAL
DESCRIPTION	U/M	MAT'L	INSTALL	TOTAL	COST		
4" Light Ind. SOG, Reinf, VB, Gravel Base, Form, Finish	1360	SF	7.48	6.34	13.82		18,794
Termite Pretreatment, Slabs & Walls	1360	SF	0.97	0.30	1.27		1,727
Cold Formed Mtl Roof Trusses	2028	SF	6.59	7.12	13.70		27,788
Metal Decking, open, galv, 1-1/2" deep, 20ga	2090	SF	5.80	1.05	6.84		14,304
Face Brick Veneer, 8" CMU	1205	SF	13.20	20.34	33.55		40,422
4" Ground Face CMU Veneer, 8" CMU	510	SF	11.15	17.13	28.29		14,427
Precast Band	150	LF		35.04	35.04		5,256
3'x7' HM door w/hm. frame, paint, & panic hdwr.	6	EA	3,391	539	3,930		23,579
Roll-up Counter Door 8' x 5' (coiling)	3	EA	2,353	1,672	4,025		12,074
1/2" Gypsum cover board	2085	SF	1.44	0.48	1.92		4,006
Polyisocyanurate Rigid Insulation, 6" thick, straight	2085	SF	4.59	0.62	5.21		10,865
Standing Seam , including fasteners & trim, galvalum	2085	SF	11.69	3.01	14.70		30,642
High Temp roof Underlayment	2085	SF	0.61	0.17	0.78		1,625
Rail Type Snow Guard	96	SF	5.08	1.71	6.79		652
Ice & Water Shield	300	SF	1.73	0.65	2.38		713
Prefinished Aluminum Gutters, 5" Box-type	185	LF	6.00	6.46	12.46		2,305
Prefinished Aluminum Downspouts, 3" x 4"	60	LF	4.68	5.77	10.44		627
Stainless Steel Downspout Boots, 3" x 4"	4	EA	677	8.10	685		2,740
Fascia, Aluminum (NO furring included)	200	SF	15.25	5.57	20.81		4,163
Prefinished Metal Soffit	670	SF	13.21	6.43	19.64		13,162
4" CMU	30	SF	3.12	6.30	9.42		283
8" CMU	1806	SF	4.66	7.35	12.01		21,682
8" CMU, ground face	132	SF	7.17	9.00	16.17		2,135
Mop & Broom Holder	1	EA	126	29.13	155		155
Stainless Steel Grab Bars, 18"	2	EA	19.01	24.16	43.18		86.35
Stainless Steel Grab Bars, 36"	2	EA	23.20	29.13	52.33		105
Stainless Steel Grab Bars, 42"	6	EA	72.39	29.13	102		609
Robe or Coat Hook	6	EA	26.69	6.04	32.73		196
Toilet Partition, phenolic	6	EA	1,631	165	1,796		10,779
Urinal Partition, phenolic	2	EA	290	193	483		966
Changing Station, Baby	2	EA	549	58.25	608		1,215
Signs, wall & door	2	SF	225	14.70	240		479
Fire extinguisher w/ alum door & frame	4	EA	403	159	562		2,247
Paint (low-VOC) masonry, primer & 2 coats- spray	2320	SF	0.44	0.60	1.04		2,402
Epoxy Coating (low-VOC)	1400	SF	0.66	2.85	3.52		4,923
Seal Coat Concrete (low-VOC)	274	SF	0.42	0.18	0.60		165
Epoxy Floor Coating, non slip (low-VOC)	636	SF	9.45	6.39	15.84		10,074
Vinyl Sheet Flooring	198	SF	8.10	3.50	11.60		2,297
Integral Base, resin	182	LF	4.73	4.79	9.52		1,732

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
Integral Cove Base, sheet vinyl	56	LF	16.66	3.08	19.73	1,105
Gyp Board Ceiling,taped,finish,paint,susp system	830	SF	1.80	3.73	5.52	4,584
Counter Tops, stainless steel	22	LF	663	48.33	711	15,646
Plumbing						
Plumbing per fixture, fixtures, may include sinks, toilets, urinals, lavatories, showers, floor drains, water heaters, wall hydrants, drinking fountains, etc	20	FX	3606	2220	5827	116,534
HVAC						
Air Package Units						
Ductless Split Syst., Cooling Only Wall Mount 1 1/2 Ton	2	EA	4223	966	5189	10,377
Air Distribution						
Ductwork						
Galv. Rectangular & Round Duct (2000-5000#)	1550	LB	1.09	14.31	15.40	23,867
Duct Insulation						
Duct Insulation / Liner, 2" Thk, 1½ Lb Density	1085	SF	3.08	9.76	12.85	13,939
Grilles, Registers & Diffusers						
Ceiling Diffuser	11	EA	217	63.54	281	3,088
Louvers & Dampers						
Louvers, Fixed Blade, Stormproof	6	SF	90.16	29.69	120	719
Kynar Finish / Color By Architect	6	SF	76.58		76.58	460
Supply & Exhaust Fans & Vents						
Inline Fan, 490 CFM	1	EA	3151	555	3706	3,706
Ceiling Right Angle Exh. Fan, 95 CFM	1	EA	549	82.93	632	632
Unit Heaters						
Elect. Ceiling Heater, 5KW	2	EA	960	201	1160	2,321
Elect. Ceiling Heater, 2KW	1	EA	911	161	1072	1,072
Elect. Unit Heater, 3.7KW	1	EA	1299	241	1540	1,540
Controls System						
DDC Controls System (Sole Supplier)	1,360	SF			7.68	10,441
HVAC Specialties						
Vibration Isolation & Seismic Restraint	1360	SF		0.56	0.56	764
HVAC Shop Drawings	1360	SF		0.30	0.30	409
HVAC "As Built" Drawings	1360	SF		0.22	0.22	300
Submittals and Close Out Documentation	1360	SF		0.20	0.20	273
Operation & Maintenance Manuals (O & M's)	1360	SF		0.08	0.08	109
Inspection & Limited Commissioning	1360	SF		0.32	0.32	437
Owner Training For Operating Personnel	1360	SF		0.08	0.08	109
One Year Contractor Service Warranty	1360	SF		0.10	0.10	136
Piping / Equipment Labeling & Tagging	1360	SF		0.05	0.05	73
Air Side Testing & Balancing						
Start-Up, Test & Balance DFS Units	2	EA			447.83	896

A+A7 Weathers Creek High School						Net SF:	252,813
Construction Document Estimate						UNIT	TOTAL
DESCRIPTION	U/M	EQUIP/ MAT'L	QUOTE/ INSTALL		TOTAL		COST
Start-Up, Test & Balance Ceiling Cabinet Fans	1	EA			44.78		45
Start-Up, Test & Balance Inline Fans	1	EA			806.09		806
Test & Balance Grilles & Diffusers	11	EA			107.48		1,182
Fire Protection							
Wet Pipe Sprinkler System	33	SF	3.20	3.08	6.28		207
Baseball/Softball Concessions Electrical - Area M							
Light Fixtures							
Type A1 Light	8	EA	384	96	480		3,839
Type A3 Light	6	EA	384	96	480		2,879
Type E1 Light	2	EA	333	116	449		899
Type E2 Light	4	EA	333	116	449		1,797
Type EW1 Light	5	EA	383	203	586		2,931
Type W5 Light	5	EA	833	203	1036		5,179
Type W6 Light	2	EA	833	203	1036		2,072
Lighting Conduit & Wire							
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	760	LF	2.32	6.27	8.59		6,529
3/4" EMT connector	61	EA	0.93	7.41	8.33		507
3/4" EMT field bend	213	EA		10.17	10.17		2,163
4" Square box w/cover (ring), support	38	EA	3.89	40.82	44.71		1,699
#12 THHN wire, copper	3040	LF	0.66	0.74	1.40		4,256
Fixture whip, (3) #16THHN	24	EA	17.93	25.49	43.43		1,042
Lighting Controls							
Key Switch, 20 amp 1 pole, w/box, ring, cover	2	EA	83.56	90.47	174.02		348
Occupancy Sensor, 1-pole, wall	4	EA	141.59	32.35	173.93		696
Receptacles							
GFI Receptacle, 20 amp, w/ cover	19	EA	81.40	41.85	123		2,342
WPGFI Receptacle, 20 amp, w/box, ring, wp cover	5	EA	88.28	115	203		1,017
Receptacle Conduit & Wire							
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	480	LF	2.32	6.27	8.59		4,124
3/4" EMT connector	38	EA	0.93	7.41	8.33		320
3/4" EMT field bend	134	EA		10.17	10.17		1,366
4" Square box w/cover (ring), support	24	EA	3.89	40.82	44.71		1,073
#12 THHN wire, copper	1920	LF	0.66	0.74	1.40		2,688
Equipment Connections							
Equipment Connections	1360	SF		1.00	1.00		1,357
Equipment Conduit & Wire							
Equipment Conduit and Wire	1360	SF		4.09	4.09		5,568
Fire Alarm System							
Audio/visual	4	EA	300	167	466		1,865
Smoke Detector, addressable	1	EA	414	156	570		570

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate					UNIT	TOTAL
DESCRIPTION	U/M	EQUIP/ MAT'L	QUOTE/ INSTALL		TOTAL	COST
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	100 LF	1.95	6.81		8.76	876
3/4" EMT connector	8 EA	0.95	8.04		8.99	71.92
3/4" EMT field bend	28 EA		11.03		11.03	309
4" Square box w/cover (ring), support	5 EA	20.70	58.11		78.80	394
18/2 fire alarm cable	200 LF	1.22	1.10		2.32	464
#14 THHN wire, copper	400 LF	0.14	0.68		0.82	326
Telecom System						
2 port data plate, stainless steel	7 EA	16.23	12.33		28.57	200
CAT 6 Jack (label, test)	14 EA	7.34	13.64		20.98	294
Patch panel, punch down termination per port	14 EA		8.27		8.27	116
CAT 6 cable, plenum	2100 LF	0.23	1.27		1.50	3,152
1" EMT w/ 11 coup, 2 bends & 2 term. per 100'	70 LF	3.25	7.70		10.94	766
1" EMT connector	13 EA	1.84	9.81		11.65	147
1" EMT field bend	41 EA		12.16		12.16	494
4 11/16" x 2 1/8"D Square box w/cover (ring), support	7 EA	17.41	60.97		78.38	549
PA System						
Speaker	4 EA	267	110		377	1,508
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	80 LF	2.28	6.43		8.71	697
3/4" EMT connector	6 EA	6.20	7.59		13.79	88.28
3/4" EMT field bend	22 EA		10.42		10.42	233
4" Square box w/cover (ring), support	4 EA	10.05	41.69		51.74	207
Speaker cable	84 LF	0.15	1.04		1.20	101
G2045e NOT USED						
		SF	@		=	
None In This Contract						
G2045f Football Stadium						
	1 EA	@	6,949,127		=	6,949,127
PRESSBOX						
Prefabricated Press Box	1 EA	53,082	6,356		59,439	59,439
5/8" Gyp Brd-2 sides on 3 5/8" metal studs, batt	170 SF	3.68	4.86		8.54	1,452
Interior Storefront	18 SF	41.86	7.41		49.28	887
3'x7' HM door w/ frame, paint & hardware	2 EA	2,095	459		2,553	5,106
Floor Finish	300 SF	6.98	2.61		9.58	2,875
ACT & Grid	300 SF	5.37	2.28		7.65	2,296
Paint (low-VOC) drywall, primer & 2 coats- spray	1125 SF	0.24	0.30		0.54	612
Packaged Terminal Ht Pump Units						
PTAC Heatpump 9000 Btuh (PTU-2,3,4)	3 EA	2230	321		2551	7,652
Controls System						
DDC Controls System (Sole Supplier)	1 LS				1919	1,919
HVAC Specialties						

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate					UNIT	TOTAL
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	TOTAL	COST
Vibration Isolation & Seismic Restraint	1	LS			127.95	128
HVAC Shop Drawings	1	LS			89.57	90
HVAC "As Built" Drawings	1	LS			63.98	64
Submittals and Close Out Documentation	1	LS			58.86	59
Operation & Maintenance Manuals (O & M's)	1	LS			23.03	23
Inspection & Limited Commissioning	1	LS			93.40	93
Owner Training For Operating Personnel	1	LS			23.03	23
One Year Contractor Service Warranty	1	LS			29.43	29
Piping / Equipment Labeling & Tagging	1	LS			15.35	15
Pressbox Electrical						
Distribution Panels						
Panelboard, 225, 480 volt, MCB, 42 ckt., w/1P brkrs	1	EA	22,996	3,301	26,297	26,297
Panelboard, 200A, 208 volt, MCB, 42 ckt., w/1P brkrs	1	EA	8,648	3,301	11,948	11,948
Multi-pole Breakers						
Circuit breaker, 10KAIC, 2 pole, 15-50 amp, 240 volt	3	EA	123	115	237	712
Circuit breaker, KA frame, 70-225 amp	1	EA	2,705	288	2,994	2,994
Distribution Transformers						
Transformer, 75 KVA, 3 phase, 480/120/208	1	EA	8,938	2,519	11,457	11,457
House keeping pad, 4'x4'x6"	1	EA	162	150	312	312
1 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	10	LF	6.86	9.81	16.68	167
1 1/2" EMT elbow	4	EA	10.63	36.48	47.11	188
1 1/2" EMT connector	2	EA	4.95	14.77	19.71	39.43
1 1/2" EMT coupling	8	EA	17.59	23.28	40.86	327
1 1/2" RGS coupling	1	EA	7.19	11.47	18.65	18.65
1 1/2" Flex	3	LF	4.44	17.72	22.16	66.49
1 1/2" Flex connector	1	EA	14.11	22.15	36.26	36.26
1 1/2" 90D Flex connector	1	EA	72.47	38.22	111	111
1 1/2" ground bushing	1	EA	34.49	57.33	91.82	91.82
#6 THHN wire, copper	30	LF	0.81	1.36	2.18	65.26
#1/0 THHN wire, copper	90	LF	3.73	2.78	6.51	586
Exothermic weld	1	EA	18.17	127	145	145
#2 THHN wire, copper	30	LF	1.92	1.96	3.89	117
#2 THHN wire termination - Crimp 1-hole lug, CU/AL	1	EA	5.37	35.61	40.98	40.98
Distribution Panel Feeders						
225A - PVC						
2 1/2" PVC Sch. 40 conduit	500	LF	12.66	14.16	26.82	13,408
2 1/2" PVC elbow	2	EA	8.16	61.67	69.82	140
2 1/2" PVC Sch. 40 adapter	2	EA	2.88	39.95	42.83	85.67
2 1/2" PVC Sch. 40 coupling	4	EA	4.77	61.67	66.44	266
#4 XHHW wire, copper	510	LF	1.84	1.74	3.57	1,822

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
#4/0 XHHW wire, copper	2040	LF	8.60	4.19	12.79	26,083
Chain Trenching, 8"x48", backfill	510	LF		1.75	1.75	893
200A						
2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	10	LF	9.31	11.47	20.78	208
2" EMT elbow	4	EA	16.04	46.03	62.07	248
2" EMT connector	2	EA	6.76	18.41	25.18	50.35
2" EMT coupling	8	EA	23.77	29.70	53.47	428
2" RGS coupling	1	EA	9.02	13.72	22.75	22.75
2" Flex	3	LF	5.57	23.02	28.58	85.75
2" Flex connector	1	EA	20.97	32.83	53.80	53.80
2" 90D Flex connector	1	EA	103	51.25	155	155
2" ground bushing	1	EA	44.45	70.35	115	115
#4 THHN wire, copper	30	LF	1.73	1.74	3.47	104
#3/0 THHN wire, copper	120	LF	5.80	3.68	9.48	1,138
Receptacles						
Duplex Receptacle, 20 amp, w/box, ring, cover	19	EA	43.72	125	169	3,212
WPGFI Receptacle, 20 amp, w/box, ring, wp cover	4	EA	93.54	125	219	875
Receptacle Conduit & Wire						
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	460	LF	2.33	7.84	10.17	4,679
3/4" EMT connector	37	EA	0.93	9.26	10.19	375
3/4" EMT field bend	129	EA		12.71	12.71	1,637
4" Square box w/cover (ring), support	23	EA	3.91	51.04	54.95	1,264
#12 THHN wire, copper	1426	LF	0.66	0.92	1.59	2,265
Equipment Connections						
5 HP, 250V, 1ph, flexible motor connection	3	EA	10.33	187	197	592
Equipment Conduit & Wire						
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	60	LF	2.33	7.84	10.17	610
3/4" EMT connector	5	EA	0.93	9.26	10.19	48.93
3/4" EMT field bend	17	EA		12.71	12.71	214
4" Square box w/cover (ring), support	3	EA	3.91	51.04	54.95	165
#10 THHN wire, copper	186	LF	0.59	1.02	1.61	299
Fire Alarm System						
NAC	1	EA	2,705	120	2,825	2,825
Smoke Detector, addressable	3	EA	414	156	570	1,710
Pull Station, addressable	2	EA	176	162	337	675
Audio/visual	3	EA	232	174	406	1,217
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	180	LF	1.95	6.81	8.76	1,577
3/4" EMT connector	14	EA	0.95	8.04	8.99	129
3/4" EMT field bend	50	EA		11.03	11.03	556
4" Square box w/cover (ring), support	9	EA	20.70	58.11	78.80	709

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
18/2 fire alarm cable	360	LF	1.22	1.10	2.32	835
#14 THHN wire, copper	720	LF	0.14	0.68	0.82	587
Telecom System						
Biscuit box	1	EA	8.70	12.77	21.46	21.46
2 port data plate, stainless steel	9	EA	16.23	12.33	28.57	257
CAT 6 Jack (label, test)	19	EA	7.34	13.64	20.98	399
Patch panel, punch down termination per port	19	EA		8.27	8.27	157
CAT 6 cable, plenum	2850	LF	0.23	1.27	1.50	4,278
1" EMT w/ 11 coup, 2 bends & 2 term. per 100'	100	LF	3.25	7.70	10.94	1,094
1" EMT connector	18	EA	1.84	9.81	11.65	210
1" EMT field bend	58	EA		12.16	12.16	705
4 11/16" x 2 1/8"D Square box w/cover (ring), support	10	EA	17.41	60.97	78.38	784
GRANDSTANDS						
Home Grandstands	2301	ST	171	32.74	203	467,947
Visitor Grandstands	1648	ST	171	32.74	203	335,149
4' H Chain Link Fence, 9 ga. Vinyl Coated Galv.steel	104	LF	17.88	5.66	23.54	2,448
Running Track, incl. Base, 2-1/2" Binder, 1-1/2" Surface Course	6192	SY	110	19.84	130	803,697
Throwing Area	1	EA	2,370	1,541	3,911	3,911
Sports Netting	320	LF	133	38.52	171	54,793
Jump Event Pads and Runways	713	SY		25.59	25.59	18,246
Jump Event Sand Pits	65	SY		12.80	12.80	832
Football Goal, Single Post	2	PR	18,958	3,852	22,810	45,621
Fine Grading	26500	SY		2.18	2.18	57,641
Bleacher Pads	8000	SF	5.69	4.82	10.50	84,023
Synthetic Turf	89545	SF	9.48	3.47	12.95	1,159,259
Synthetic Turf Base, 6" Stone	89545	SF	3.62	0.69	4.31	386,333
Under Field Drainage incl. excav.,backfill, and bedding	5900	LF			17.68	104,312
6' H Chain Link Fence, 9 ga. Vinyl Coated Galv.steel	2100	LF	19.55	10.59	30.14	63,293
Sngl Gate for 6' chain link fence, 3' Opening	2	EA	443	212	655	1,309
Dbl Swing Gate for 6' chain link fence, 12' Opening	2	EA	1,012	665	1,677	3,354
Football Stadium Electrical						
Football Stadium Lighting	4	AL		537,390	537,390	2,149,560
2 1/2" PVC Sch. 40 conduit	4340	LF	12.42	15.70	28.12	122,022
2 1/2" PVC elbow	58	EA	8.00	68.38	76.38	4,430
2 1/2" PVC Sch. 40 coupling	116	EA	4.68	68.38	73.06	8,475
2 1/2" PVC Sch. 40 bell end	58	EA	10.33	73.19	83.53	4,845
3" PVC Sch. 40 conduit	130	LF	11.28	18.59	29.87	3,883
3" PVC elbow	2	EA	13.55	79.94	93.49	187

A+A7		Weathers Creek High School			Net SF:	252,813
Construction Document Estimate			EQUIP/	QUOTE/	UNIT	TOTAL
DESCRIPTION	U/M	MAT'L	INSTALL	TOTAL	COST	
3" PVC Sch. 40 coupling	4 EA	4.55	79.94	84.49	338	
3" PVC Sch. 40 bell end	2 EA	10.33	73.19	83.53	167	
CAT 6 cable, OSP	1940 LF	0.55	1.45	2.00	3,888	
Chain Trenching, 12"x36", backfill	2300 LF		1.92	1.92	4,410	
WPGFI Receptacle, 20 amp, w/box, ring, wp cover	13 EA	93.54	125	219	2,845	
Receptacle steel support	13 EA	43.60	116	159	2,069	
3/4" PVC Sch. 40 conduit	2210 LF	2.35	7.03	9.38	20,733	
3/4" PVC Sch. 40 adapter	36 EA	0.59	24.27	24.86	895	
3/4" IMC conduit	180 LF	5.42	11.36	16.79	3,022	
3/4 " IMC field bend	72 EA		25.52	25.52	1,838	
#10 XHHW wire, copper	7320 LF	0.50	1.02	1.52	11,150	
600 volt, 400 amp FDS, 3p, NEMA 3R, w/fuses	1 EA	3,270	1,271	4,542	4,542	
Steel support, Disconnect Switches	1 EA	92.14	108	201	201	
2" PVC Sch. 40 conduit	120 LF	6.29	11.36	17.66	2,119	
2" PVC elbow	2 EA	5.76	50.08	55.84	112	
2" PVC Sch. 40 adapter	2 EA	1.67	37.75	39.42	78.84	
2" PVC Sch. 40 coupling	4 EA	1.80	50.08	51.88	208	
#4 XHHW wire, copper	130 LF	1.80	1.93	3.73	485	
#4/0 XHHW wire, copper	390 LF	8.44	4.64	13.08	5,101	
600 volt, 60 amp FDS, 3p, NEMA 1, w/fuses	4 EA	404	443	847	3,387	
Steel support, Disconnect Switches	4 EA	92.14	108	201	802	
1" PVC Sch. 40 conduit	830 LF	3.43	8.17	11.60	9,627	
1" PVC elbow	4 EA	1.76	29.18	30.94	124	
1" PVC Sch. 40 adapter	4 EA	0.76	26.87	27.63	111	
1" PVC Sch. 40 coupling	8 EA	0.68	29.18	29.86	239	
#8 XHHW wire, copper	850 LF	0.84	1.27	2.11	1,798	
#6 XHHW wire, copper	3400 LF	1.33	1.57	2.90	9,849	
1 1/4" PVC Sch. 40 conduit	1290 LF	4.61	9.26	13.87	17,894	
1 1/4" PVC elbow	4 EA	2.56	36.40	38.96	156	
1 1/4" PVC Sch. 40 adapter	4 EA	0.97	29.18	30.15	121	
1 1/4" PVC Sch. 40 coupling	8 EA	0.91	36.40	37.31	299	
#4 XHHW wire, copper	6550 LF	1.80	1.93	3.73	24,413	
< 5 HP, 120V, sealtite motor connection	2 EA	19.24	127	146	293	
3/4" PVC Sch. 40 conduit	490 LF	2.35	7.03	9.38	4,597	
3/4" PVC Sch. 40 adapter	4 EA	0.59	24.27	24.86	99.43	
3/4" IMC conduit	20 LF	5.42	11.36	16.79	336	
3/4 " IMC field bend	12 EA		25.52	25.52	306	
#10 XHHW wire, copper	1530 LF	0.50	1.02	1.52	2,331	
Chain Trenching, 8"x36", backfill	4940 LF		1.74	1.74	8,584	
Hand hole, 3'x3'x2' deep	11 EA	1,100	1,487	2,586	28,448	

A+A7		Weathers Creek High School				Net SF:	252,813
Construction Document Estimate				EQUIP/	QUOTE/	UNIT	TOTAL
DESCRIPTION	U/M	MAT'L	INSTALL	TOTAL	COST		
Hand hole, 3'x2'x2' deep	14	EA	3,175	2,011	5,187		72,611
Panelboard, 100A, 480 volt, MCB, 30 ckt., w/1P brkrs	4	EA	15,122	2,432	17,554		70,214
NEMA 3R Panelboard encl, add	4	EA	2,976	747	3,723		14,892
Panelboard TVSS	4	EA	1,403	350	1,753		7,010
Circuit breaker, 70-100 amp, 3 pole, 480V	4	EA	899	254	1,152		4,609
1 1/2" PVC Sch. 40 conduit	2170	LF	5.31	9.21	14.52		31,511
1 1/2" PVC elbow	8	EA	3.40	46.03	49.44		395
1 1/2" PVC Sch. 40 adapter	8	EA	1.22	28.75	29.97		240
1 1/2" PVC Sch. 40 coupling	16	EA	1.43	46.03	47.46		759
#4 XHHW wire, copper	2210	LF	1.84	1.74	3.57		7,896
#4/0 XHHW wire, copper	8840	LF	8.60	4.19	12.79		113,028
Chain Trenching, 8"x48", backfill	2170	LF		1.75	1.75		3,799
24"x24"x12" NEMA 4X pull box	1	EA	3,981	1,483	5,465		5,465
Relay	4	EA	186	187	373		1,491
Control station, H-O-A	2	EA	673	165	838		1,675
1 5/8" x 1 5/8" Stainless Steel Unistrut	100	LF	41.71	14.83	56.54		5,654
3/8" Spring Nut, galvanized	40	EA	2.60	7.90	10.49		420
3/8" Bolt, Nut & Washers, Stainless Steel	40	EA	4.27	7.90	12.16		487
Football Field AVL - Audio	1	LS	243,018	54,546	297,564		297,564
Football Field AVL - RF Intercom	1	LS	25,344	1,737	27,082		27,082
G2046a NOT USED		SF	@		=		
None In This Contract							
G2046b Maintenance Building		2734	SF	@	245	=	670,342
Architectural							
Strip Footings & Thickened Slab, incl reinforcing	36	CY	394	154	548		19,713
4" Light Ind. SOG, Reinf, VB, Gravel Base, Form, Finish	2734	SF	7.48	6.34	13.82		37,782
Termite Pretreatment, Slabs & Walls	2734	SF	0.97	0.30	1.27		3,472
Cold Formed Mtl Roof Trusses	3165	SF	6.59	7.12	13.70		43,367
Metal Decking, open, galv, 1-1/2" deep, 20ga	3262	SF	5.80	1.05	6.84		22,325
Face Brick Veneer, 8" CMU	3260	SF	13.20	20.34	33.55		109,358
Erect and dismantle scaffolding	3260	SF		2.16	2.16		7,043
Rent Scaffolding, 2 months	3260	SF	1.08		1.08		3,522
3'x7' HM door w/hm. frame, paint, & panic hdwr.	4	EA	3,391	539	3,930		15,720
Roll-up Overhead Steel Door 12' x 12' (sectional)	2	EA	2,249	1,187	3,436		6,873
Ventilated Nailbase Panels	3260	SF	6.42	1.88	8.30		27,051
Standing Seam , including fasteners & trim, galvalum	3260	SF	11.69	3.01	14.70		47,910

A+A7 Weathers Creek High School					Net SF:		252,813	
Construction Document Estimate								
DESCRIPTION			U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST	
High Temp roof Underlayment			3260	SF	0.61	0.17	0.78	2,541
Rail Type Snow Guard			212	SF	5.08	1.71	6.79	1,440
Ice & Water Shield			900	SF	1.73	0.65	2.38	2,138
Prefinished Aluminum Gutters, 5" Box-type			212	LF	6.00	6.46	12.46	2,641
Prefinished Aluminum Downspouts, 3" x 4"			80	LF	4.68	5.77	10.44	835
Stainless Steel Downspout Boots, 3" x 4"			6	EA	677	8.10	685	4,110
Fascia, Aluminum (NO furring included)			336	SF	15.25	5.57	20.81	6,994
Prefinished Metal Soffit			430	SF	13.21	6.43	19.64	8,447
4" CMU, ground face			104	SF	4.95	7.88	12.83	1,334
8" CMU			864	SF	4.66	7.35	12.01	10,373
8" CMU, ground face			64	SF	7.17	9.00	16.17	1,035
3'x7' HM door w/ frame, paint & hardware			2	EA	2,095	459	2,553	5,106
Mop & Broom Holder			1	EA	126	29.13	155	155
Stainless Steel Grab Bars, 18"			1	EA	19.01	24.16	43.18	43.18
Stainless Steel Grab Bars, 36"			1	EA	23.20	29.13	52.33	52.33
Stainless Steel Grab Bars, 42"			1	EA	72.39	29.13	102	102
Robe or Coat Hook			1	EA	26.69	6.04	32.73	32.73
Signs, wall & door			1	SF	225	14.70	240	240
Fire extinguisher w/ alum door & frame			2	EA	403	159	562	1,124
Paint (low-VOC) masonry, primer & 2 coats- spray			4688	SF	0.44	0.60	1.04	4,854
Epoxy Coating (low-VOC)			290	SF	0.66	2.85	3.52	1,020
Seal Coat Concrete (low-VOC)			2382	SF	0.42	0.18	0.60	1,432
Epoxy Floor Coating, non slip (low-VOC)			52	SF	9.45	6.39	15.84	824
Integral Base, resin			28	LF	4.73	4.79	9.52	266
Gyp Board Ceiling,taped,finish,paint,susp system			56	SF	1.80	3.73	5.52	309
Plumbing								
Plumbing per fixture, fixtures, may include sinks, toilets, urinals, lavatories, showers, floor drains, water heaters, wall hydrants, drinking fountains, etc			6	FX	3606	2220	5827	34,960
HVAC								
Unit Heaters								
Elect. Unit Heater, 10KW			4	EA	2230	321	2551	10,203
Supply & Exhaust Fans & Vents								
Ceiling Right Angle Exh. Fan, 95 CFM			1	EA	549	82.93	632	632
Controls System								
DDC Controls System (Sole Supplier)			1	LS			2559	2,559
HVAC Specialties								
Vibration Isolation & Seismic Restraint			1	LS			127.95	128
HVAC Shop Drawings			1	LS			89.57	90
HVAC "As Built" Drawings			1	LS			63.98	64

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate					UNIT	TOTAL
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	TOTAL	COST
Submittals and Close Out Documentation	1	LS			58.86	59
Operation & Maintenance Manuals (O & M's)	1	LS			23.03	23
Inspection & Limited Commissioning	1	LS			93.40	93
Owner Training For Operating Personnel	1	LS			23.03	23
One Year Contractor Service Warranty	1	LS			29.43	29
Piping / Equipment Labeling & Tagging	1	LS			15.35	15
Air Side Testing & Balancing						
Start-Up, Test & Balance Ceiling Cabinet Fans	1	EA			44.78	45
Fire Sprinkler						
Wet Pipe Sprinkler System	2734	SF	3.20	3.08	6.28	17,158
Maintenance Building Electrical - Area P						
Distribution Panels						
Panelboard, 225, 480 volt, MCB, 42 ckt., w/1P brkrs	3	EA	22,996	3,301	26,297	78,891
Panelboard TVSS	1	EA	1,403	350	1,753	1,753
Panelboard, 125A, 208 volt, MLO, 30 ckt., w/1P brkrs	1	EA	2,271	1,737	4,008	4,008
Panelboard TVSS	1	EA	1,403	350	1,753	1,753
Multi-pole Breakers						
Circuit breaker, KA frame, 70-225 amp	1	EA	2,705	288	2,994	2,994
Distribution Transformers						
Transformer, 45 KVA, 3 phase, 480/120/208	1	EA	15,556	2,215	17,771	17,771
House keeping pad, 4'x4'x6"	1	EA	162	150	312	312
1" EMT w/ 11 coup, 2 bends & 2 term. per 100'	10	LF	4.00	8.01	12.01	120
1" EMT connector	2	EA	1.84	10.25	12.08	24.17
1" EMT field bend	6	EA		12.59	12.59	75.57
1" RGS coupling	1	EA	3.75	6.91	10.66	10.66
1" Flex	3	LF	2.13	9.21	11.33	34.00
1" Flex connector	1	EA	7.90	18.41	26.32	26.32
1" 90D Flex connector	1	EA	27.54	23.02	50.55	50.55
1" ground bushing	1	EA	23.48	46.03	69.51	69.51
#8 THHN wire, copper	30	LF	0.67	1.15	1.81	54.40
#4 THHN wire, copper	90	LF	1.73	1.74	3.47	312
Exothermic weld	1	EA	18.17	127	145	145
#8 THHN wire, copper	30	LF	0.67	1.15	1.81	54.40
#8 THHN wire termination - Crimp 1-hole lug, CU/AL	1	EA	3.23	25.54	28.76	28.76
Distribution Panel Feeders						
60A - PVC						
1 1/4" PVC Sch. 40 conduit	230	LF	4.70	8.36	13.05	3,002
1 1/4" PVC elbow	2	EA	2.61	32.83	35.44	70.88
1 1/4" PVC Sch. 40 adapter	2	EA	0.99	26.32	27.30	54.61
1 1/4" PVC Sch. 40 coupling	4	EA	0.93	32.83	33.76	135

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
#10 XHHW wire, copper	240	LF	0.51	0.92	1.43	344
#4 XHHW wire, copper	960	LF	1.84	1.74	3.57	3,430
Chain Trenching, 8"x48", backfill	240	LF		1.75	1.75	420
225A - PVC						
2 1/2" PVC Sch. 40 conduit	270	LF	12.66	14.16	26.82	7,240
2 1/2" PVC elbow	4	EA	8.16	61.67	69.82	279
2 1/2" PVC Sch. 40 adapter	4	EA	2.88	39.95	42.83	171
2 1/2" PVC Sch. 40 coupling	8	EA	4.77	61.67	66.44	532
#4 XHHW wire, copper	290	LF	1.84	1.74	3.57	1,036
#4/0 XHHW wire, copper	580	LF	8.60	4.19	12.79	7,416
Chain Trenching, 8"x48", backfill	280	LF		1.75	1.75	490
125A						
1 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	10	LF	6.86	9.81	16.68	167
1 1/2" EMT elbow	4	EA	10.63	36.48	47.11	188
1 1/2" EMT connector	2	EA	4.95	14.77	19.71	39.43
1 1/2" EMT coupling	8	EA	17.59	23.28	40.86	327
1 1/2" RGS coupling	1	EA	7.19	11.47	18.65	18.65
1 1/2" Flex	3	LF	4.44	18.41	22.86	68.57
1 1/2" Flex connector	1	EA	14.30	23.02	37.32	37.32
1 1/2" 90D Flex connector	1	EA	56.04	39.95	96.00	96.00
1 1/2" ground bushing	1	EA	34.49	57.33	91.82	91.82
#8 THHN wire, copper	30	LF	0.67	1.15	1.81	54.40
#1 THHN wire, copper	120	LF	3.09	2.29	5.38	646
225A						
2 1/2" EMT w/ 11 coup, 2 elbows & 2 term. per 100'	40	LF	13.14	15.37	28.51	1,141
2 1/2" EMT elbow	4	EA	34.88	76.43	111	445
2 1/2" EMT connector	2	EA	18.74	25.54	44.28	88.56
2 1/2" EMT coupling	8	EA	135	38.22	173	1,388
#4 THHN wire, copper	50	LF	1.73	1.74	3.47	173
#4/0 THHN wire, copper	200	LF	7.25	4.19	11.43	2,287
Light Fixtures						
Type B Light	1	EA	383.60	96.27	479.87	480
Type D2 Light	19	EA	216.06	137.86	353.92	6,725
Type W5 Light	4	EA	832.53	203.33	1035.86	4,143
Type W6 Light	4	EA	832.53	203.33	1035.86	4,143
Lighting Conduit & Wire						
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	780	LF	2.32	6.27	8.59	6,701
3/4" EMT connector	62	EA	0.93	7.41	8.33	520
3/4" EMT field bend	218	EA		10.17	10.17	2,220
4" Square box w/cover (ring), support	39	EA	3.89	40.82	44.71	1,744

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
#12 THHN wire, copper	3120	LF	0.66	0.74	1.40	4,368
Fixture whip, (3) #16THHN	54	EA	17.93	25.49	43.43	2,345
Lighting Controls						
Switch, 20 amp, 3 way, w/box, ring, cover	4	EA	63.33	104	168	670
Occupancy Sensor, 1-pole, wall	1	EA	145	36.48	181	181
Occ Sensor, High bay, w/box, ring, cover	4	EA	386	156	543	2,171
Remote power pack	2	EA	72.47	142	214	428
Receptacles						
GFI Receptacle, 20 amp, w/ cover	25	EA	81.40	41.85	123	3,081
WPGFI Receptacle, 20 amp, w/box, ring, wp cover	3	EA	88.28	115	203	610
Receptacle Conduit & Wire						
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	560	LF	2.32	6.27	8.59	4,811
3/4" EMT connector	45	EA	0.93	7.41	8.33	373
3/4" EMT field bend	157	EA		10.17	10.17	1,594
4" Square box w/cover (ring), support	28	EA	3.89	40.82	44.71	1,252
#12 THHN wire, copper	2240	LF	0.66	0.74	1.40	3,136
Equipment Connections						
< 1 HP, 120V, flexible motor connection	1	EA	9.82	101.66	111.48	111
10 HP, 277V, flexible motor connection	5	EA	10.95	101.66	112.61	563
Equipment Conduit & Wire						
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	270	LF	2.32	6.27	8.59	2,320
3/4" EMT connector	12	EA	0.93	7.41	8.33	100
3/4" EMT field bend	36	EA		10.17	10.17	366
#12 THHN wire, copper	120	LF	0.66	0.74	1.40	168
#10 THHN wire, copper	300	LF	0.59	0.82	1.40	420
#6 THHN wire, copper	600	LF	1.04	1.26	2.29	1,376
Fire Alarm System						
Smoke Detector, addressable	4	EA	414	156	570	2,280
Audio/visual	1	EA	300	167	466	466
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	100	LF	1.95	6.81	8.76	876
3/4" EMT connector	8	EA	0.95	8.04	8.99	71.92
3/4" EMT field bend	28	EA		11.03	11.03	309
4" Square box w/cover (ring), support	5	EA	20.70	58.11	78.80	394
18/2 fire alarm cable	200	LF	1.22	1.10	2.32	464
#14 THHN wire, copper	400	LF	0.14	0.68	0.82	326
G2050 Landscaping	106	AC	@	12,122	=	1,284,975
Pumphouse for Irrigation	144	SF		256	256	36,850
Pumphouse Tank & Well	1	LS		31,988	31,988	31,988

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
Plant Bed						
Prepare Plant Bed by Skid Steer 6"	528	SY	14.90	2.47	17.37	9,170
Filter Fabric Weed Barrier	528	SY	1.69	0.69	2.38	1,257
Rock Mulch	88	CY	147	208	355	31,236
Trees						
October Glory Maple	5	EA	436	458	894	4,472
Pyramidal European Hornbeam	90	EA	436	458	894	80,502
Tulip Tree	58	EA	474	458	932	54,078
Sour Gum	137	EA	574	520	1,094	149,945
Bald Cypress	26	EA	673	458	1,131	29,417
American Elm	107	EA	569	458	1,027	109,907
Allee Lacebark Elm	95	EA	218	458	676	64,262
Bloodgood Japanese Maple	1	EA	457	458	915	915
Carol Bark Japanese Maple	1	EA	152	289	441	441
Cherokee Princess Dogwood	1	EA	125	289	414	414
Star Magnolia	1	EA	171	289	460	460
Saucer Magnolia	1	EA	171	289	460	460
Deodar Cedar	42	EA	341	458	800	33,586
Japanese Cedar	17	EA	474	458	932	15,850
Carolina #2 American Holly	100	EA	436	458	894	89,446
Bracken's Southern Magnolia	9	EA	569	458	1,027	9,245
Loblolly Pine	21	EA	565	458	1,023	21,491
Yaupon Holly	1	EA	186	96.31	282	282
Savannah Holly	1	EA	186	96.31	282	282
Dwarf Southern Magnolia	2	EA	360	385	745	1,491
Lipan Crape Myrtle	1	EA	457	458	915	915
Shrubs						
Cardinal Red Twig Dogwood	1	EA	116	57.78	173	173
Coppertone Distylium	1	EA	116	57.78	173	173
Dwarf Umelight Hydrangea	1	EA	121	73.19	195	195
Japanese Privet	1	EA	104	69.34	174	174
Jazz Hands Bold	1	EA	121	73.19	195	195
White Cloud Muhly Grass	1	EA	28.44	25.04	53.48	53.48
Nigra Inkberry	121	EA	210	69.34	280	33,853
Wax Myrtle	115	EA	171	69.34	240	27,596
Sweet Olive	124	EA	180	69.34	249	30,931
Steeds Japanese Holly	148	EA	180	69.34	249	36,918
Dwarf Yaupon	149	EA	186	69.34	255	38,014
Pfitzer Juniper	1	EA	85.31	69.34	155	155
Dwarf Japanese Garden Juniper	1	EA	121	73.19	195	195

A+A7 Weathers Creek High School					Net SF:		252,813	
Construction Document Estimate								
DESCRIPTION			U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST	
Grasses								
Reed Grass			2	EA	94.79	69.34	164	328
Maiden Grass			3	EA	94.79	96.31	191	573
Little Kitten Eualia Grass			2	EA	85.31	69.34	155	309
Silver Grass			2	EA	94.79	69.34	164	328
Eulaia Grass			1	EA	94.79	69.34	164	164
Mexican Feather Grass			3	EA	94.79	69.34	164	492
Hamein Dwarf Fountain Grass			2	EA	49.29	69.34	119	237
Red Switch Grass			2	EA	91.00	69.34	160	321
Ground Covers								
EverColor Everillo Japanese Sedge			2	EA	80.76	29.76	111	221
Fescue Seed			47	MSF	80.76	29.76	111	5,194
Burmuda Sod			160	MSF	1,137	867	2,004	320,681
Horsetail Reed			5	EA	28.44	25.04	53.48	267
Silver Dragon Creeping Lilyturf			5	EA	9.48	1.93	11.41	57.03
Black Mondo Grass			38	FLT	104	127	231	8,793
Common Periwinkle			2	EA	9.48	1.93	11.41	22.81
G30 SITE MECHANICAL UTILITIES								11,893,562
G3010 Water Supply			24484	LF	@	219	=	5,364,199
2" PVC Water Line, Class 150			933	LF	1.54	1.96	3.50	3,266
3" PVC Water Line, Class 150			1057	LF	2.24	2.70	4.93	5,215
4" PVC Water Line, Class 150			4948	LF	7.75	6.24	13.99	69,245
6" Ductile Iron Pipe, Class 900			5813	LF	155	44.30	200	1,161,190
8" Ductile Iron Pipe, Class 900			11733	LF	212	50.08	262	3,078,857
2" Gate Valve			2	EA	37.92	57.78	95.70	191
4" Gate Valve			2	EA	56.87	57.78	115	229
6" Gate Valve			20	EA	123	196	320	6,394
8" Gate Valve			23	EA	142	196	339	7,789
6" Ductile Iron Fitting			11	EA	626	183	809	8,895
8" Ductile Iron Fitting			26	EA	948	266	1,214	31,556
8" Cut-in Valve w/Rubber Gasket			2	EA	2,313	275	2,588	5,177
8" Thrust Blocks			24	EA	136	49.12	186	4,455
Fire Hydrant, two way, 3' deep			15	EA	6,067	275	6,342	95,130
8" Dbl Ck Backflow Preventer w/ Gate Valves			1	EA	15,673	1,395	17,068	17,068
Fiberglass Valve Enclosure, heated			1	EA	2,275	963	3,238	3,238
Precast Utility Vault, 6'x10'x6'			1	EA	4,217	2,473	6,690	6,690
Meter Pit, 4'x4'x4'			1	EA	3,135	1,058	4,193	4,193
Excavate, Backfill & Comp.- Common Earth (3/4 CY)			260	CY	21.15	21.15	42.30	10,997

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
Excavating Trencher > 24" wide, incl. backfill	24484	LF	11.37	23.11	34.49	844,424
G3020 Sanitary Sewer	10825	LF	@	132	=	1,431,340
Connect Sewer Line to Existing Manhole	1	LS			576	576
Jack and Bore under stream	290	LF	569	318	887	257,102
4" PVC, DWV (B/G) w/o Ftgs	921	LF	9.90	4.51	14.41	13,274
8" PVC, DWV (B/G) w/o Ftgs	9904	LF	37.27	5.06	42.33	419,233
6" PVC 2-way Clean Out Tee w/ plug	50	EA	291	161	451	22,567
Precast Manhole, 4' I.D., 6' Deep	4	EA	4,961	5,811	10,772	43,088
Precast Manhole, 4' I.D., 8' Deep	15	EA	5,403	6,260	11,663	174,946
Precast Manhole, 4' I.D., 10' Deep	11	EA	6,067	6,742	12,808	140,890
Precast Manhole, 4' I.D., 12' Deep	1	EA	6,635	6,742	13,377	13,377
Precast Manhole, 4' I.D., 16' Deep	5	EA	8,342	7,319	15,661	78,305
Excavate, Backfill & Comp.	245	CY	24.78	22.93	47.71	11,690
Excavating Trencher > 24" wide & 6' deep incl. backfill	10825	LF	8.20	15.47	23.68	256,293
G3030 Storm Sewer	29687	LF	@	172	=	5,098,023
3" Corrugated HDPE Excl. Excavation & Backfill	1100	LF	1.52	3.85	5.37	5,906
4" Corrugated HDPE Excl. Excavation & Backfill	258	LF	1.99	5.51	7.50	1,935
6" Corrugated HDPE Excl. Excavation & Backfill	1186	LF	5.67	5.86	11.52	13,667
8" Corrugated HDPE Excl. Excavation & Backfill	2841	LF	7.20	6.16	13.37	37,978
10" Corrugated HDPE Excl. Excavation & Backfill	79	LF	10.05	6.58	16.63	1,314
12" Corrugated HDPE Excl. Excavation & Backfill	5620	LF	14.35	7.20	21.55	121,098
15" Corrugated HDPE Excl. Excavation & Backfill	3962	LF	20.69	8.23	28.92	114,575
18" Corrugated HDPE Excl. Excavation & Backfill	2554	LF	33.46	10.70	44.16	112,780
24" Corrugated HDPE Excl. Excavation & Backfill	3661	LF	66.35	11.73	78.08	285,846
30" Corrugated HDPE Excl. Excavation & Backfill	4768	LF	74.91	15.43	90.34	430,756
36" Corrugated HDPE Excl. Excavation & Backfill	3658	LF	101	16.35	118	430,145
Concrete Flared End Section, 15" Dia, 6' Lg	2	EA	814	117	931	1,862
Concrete Flared End Section, 18" Dia, 6' Lg	1	EA	921	148	1,069	1,069
Concrete Flared End Section, 24" Dia, 6' Lg	5	EA	1,073	210	1,283	6,415
Concrete Flared End Section, 30" Dia, 6' Lg	1	EA	1,232	482	1,714	1,714
Concrete Flared End Section, 36" Dia, 6' Lg	6	EA	1,678	686	2,363	14,181
Catch Basins, 4' Deep Incl.Grate, Excavation & B.F.	73	EA	3,697	2,889	6,586	480,782
Catch Basins, 6' Deep Incl.Grate, Excavation & B.F.	85	EA	4,787	3,900	8,687	738,428
Catch Basins, 8' Deep Incl.Grate, Excavation & B.F.	29	EA	7,536	5,490	13,025	377,736
Catch Basins, 10' Deep Incl.Grate, Excavation & B.F.	13	EA	9,479	6,934	16,413	213,372
Catch Basins, 12' Deep Incl.Grate, Excavation & B.F.	1	EA	11,375	8,090	19,465	19,465

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
Catch Basins, 14' Deep Incl.Grate, Excavation & B.F.	3	EA	13,271	9,631	22,901	68,704
Catch Basins, 18' Deep Incl.Grate, Excavation & B.F.	2	EA	14,787	10,825	25,612	51,225
Catch Basins, 24' Deep Incl.Grate, Excavation & B.F.	3	EA	22,750	16,180	38,929	116,788
Precast Manhole, 4' I.D., 4' Deep	1	EA	3,493	4,166	7,658	7,658
Precast Manhole, 4' I.D., 6' Deep	4	EA	4,961	5,811	10,772	43,088
Precast Manhole, 4' I.D., 10' Deep	6	EA	6,067	6,742	12,808	76,849
Precast Manhole, 4' I.D., 12' Deep	1	EA	6,635	6,742	13,377	13,377
Precast Manhole, 4' I.D., 16' Deep	1	EA	8,342	7,319	15,661	15,661
Precast Manhole, 4' I.D., 24' Deep	3	EA	11,375	8,090	19,465	58,394
Pond Skimmer	4	EA	8,531	1,541	10,072	40,288
Outlet Control Structure, 10'	3	EA	10,427	4,280	14,707	44,121
Outlet Control Structure, 24'	1	EA	28,437	15,409	43,846	43,846
Rip-Rap, Machine-Placed for Slope Protection	895	SY	142	65.49	207	185,614
Trench Box Rental	1	LS		83,168	83,168	83,168
Excavate, Backfill & Comp.- Common Earth (3/4 CY)	3200	CY	21.15	21.15	42.30	135,348
Excavating Trencher > 24" wide, incl. backfill	29687	LF	8.20	15.47	23.68	702,871
G40 SITE ELECTRICAL UTILITIES						7,855,054
G4010 Electrical Distribution	2100	LF	@	672	=	1,410,742
Primary Electrical Service						
Transformer pad (vault)	5	EA	3364	932	4296	21480
1-4" PVC ductbank, Type EB	1400	LF	4.13	5.10	9.23	12926
4" RGS elbow	4	EA	141	203	344	1376
4" EB adapter	4	EA	7.14	73.94	81.07	324
4" EB adapter	4	EA	7.14	73.94	81.07	324
Trenching, common earth, 3/8 C. Y. bucket	519	BCY		10.68	10.68	5545
Backfill, by hand, no compaction, heavy soil	325	CY		50.83	50.83	16498
Compaction in 12" layers, vibrating plate, add to above	325	ECY		18.50	18.50	6005
Cast-in-place concrete, over 5 C.Y.	194	CY	361	149	509	98996
6-4" PVC ductbank, Type EB	250	LF	24.82	30.19	55.02	13754
4" EB adapter	12	EA	6.76	49.29	56.05	673
4" RGS elbow	12	EA	140	196	335	4024
4" EB bell end	12	EA	8.72	65.47	74.19	890
Trenching, common earth, 3/8 C. Y. bucket	93	BCY		10.68	10.68	994
Backfill, by hand, no compaction, heavy soil	46	CY		50.83	50.83	2338
Compaction in 12" layers, vibrating plate, add to above	46	ECY		18.50	18.50	851
Cast-in-place concrete, over 5 C.Y.	47	CY	361	149	509	23928
Secondary Electrical Service - High School Building						
10-4" PVC ductbank, Type EB	700	LF	41.51	51.29	92.81	64965

A+A7		Weathers Creek High School				Net SF:	252,813
Construction Document Estimate				EQUIP/	QUOTE/	UNIT	TOTAL
DESCRIPTION	U/M	MAT'L	INSTALL	TOTAL	COST		
4" EB adapter	40	EA	6.76	49.29	56.05		2242
4" RGS elbow	20	EA	140	196	335		6707
4" EB bell end	2	EA	8.72	65.47	74.19		148
600 kcmil XHHW wire, copper	28400	LF	24.54	6.24	30.78		874159
Trenching, common earth, 1/2 C. Y. bucket	350	BCY		7.89	7.89		2760
Backfill, by hand, no compaction, heavy soil	233	CY		50.06	50.06		11681
Compaction in 12" layers, vibrating plate, add to above	233	ECY		8.44	8.44		1969
Cast-in-place concrete, over 5 C.Y.	117	CY	281	145	426		49689
Secondary Electrical Service - Field House							
4-3 1/2" PVC ductbank, Type EB	960	LF	16.61	20.56	37.18		35690
3 1/2" EB adapter	16	EA	6.76	49.29	56.05		897
3 1/2" RGS elbow	8	EA	141	203	344		2752
3 1/2" EB bell end	8	EA	8.72	65.47	74.19		593
600 kcmil XHHW wire, copper	4000	LF	24.54	6.24	30.78		123121
Trenching, common earth, 1/2 C. Y. bucket	89	BCY		7.89	7.89		702
Backfill, by hand, no compaction, heavy soil	44	CY		50.06	50.06		2203
Compaction in 12" layers, vibrating plate, add to above	44	ECY		8.44	8.44		371
Cast-in-place concrete, over 5 C.Y.	45	CY	281	145	426		19165
G4020 Site Lighting							
		106 ACRE	@	43,388	=		4,599,177
G4020 Site Lighting							
Site Lighting							
Steel pole, powder-coated., 30 ft.	273	EA	2,501	982	3,484		951,046
Bracket arms, 1 arm	201	EA	632	102	734		147,551
Bracket arms, 2 arm	72	EA	1,170	102	1,272		91,592
Pole Head, LED, 1 head, Lithonia DSX1 series	345	EA	2,678	385	3,063		1,056,694
36" conc column, round, 4000psi, 3% rebar	573.3	CY	1,982	806	2,788		1,598,478
36" Augering, up to 30' deep	1638	LF		41.11	41.11		67,342
Anchor bolt	1092	EA	10.70	5.53	16.23		17,727
1" PVC Sch. 40 conduit	28900	LF	3.42	6.53	9.95		287,501
1" PVC elbow	546	EA	1.76	23.34	25.09		13,700
1" PVC Sch. 40 coupling	1092	EA	0.68	23.34	24.02		26,226
#12 XHHW wire, copper	30030	LF	0.33	0.74	1.07		32,210
#10 XHHW wire, copper	31630	LF	0.50	0.82	1.32		41,646
#8 XHHW wire, copper	63260	LF	0.84	1.02	1.86		117,456
1 1/4" PVC Sch. 40 conduit	5150	LF	4.59	7.41	12.00		61,782
1 1/4" PVC elbow	22	EA	2.55	29.11	31.66		697
1 1/4" PVC Sch. 40 adapter	12	EA	0.96	23.34	24.30		292
1 1/4" PVC Sch. 40 coupling	44	EA	0.91	29.11	30.02		1,321

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
#10 XHHW wire, copper	5260	LF	0.50	0.82	1.32	6,926
#6 XHHW wire, copper	10520	LF	1.32	1.26	2.58	27,109
Sign						
1" PVC Sch. 40 conduit	350	LF	3.42	6.53	9.95	3,482
1" PVC elbow	2	EA	1.76	23.34	25.09	50.18
1" PVC Sch. 40 coupling	4	EA	0.68	23.34	24.02	96.06
#10 XHHW wire, copper	1080	LF	0.50	0.82	1.32	1,422
Chain Trenching, 8"x24", backfill	34400	LF		1.36	1.36	46,831
G4030 Site Communications & Security	3	EA	@	615,045	=	1,845,135
Site Telecommunications						
4" PVC Sch. 40 conduit	2150	LF	14.44	18.10	32.54	69,964
4" PVC elbow	2	EA	30.39	80.87	111.26	223
4" PVC Sch. 40 coupling	4	EA	6.80	80.87	87.67	351
4" PVC Sch. 40 bell end	2	EA	10.57	67.78	78.35	157
Manhole, 5'x2.5'x2' deep, iron racks, pulling irons	4	EA	6,041	3,500	9,541	38,164
1 1/2" PVC Sch. 40 conduit	6040	LF	5.19	8.16	13.36	80,667
1 1/2" PVC elbow	14	EA	3.32	40.82	44.14	618
1 1/2" PVC Sch. 40 coupling	28	EA	1.40	40.82	42.22	1,182
1 1/2" PVC Sch. 40 bell end	14	EA	8.02	50.83	58.86	824
6 strand single mode OSP FOC	5970	LF	1.59	1.11	2.69	16,088
2" PVC Sch. 40 conduit	6120	LF	6.27	9.09	15.36	93,977
2" PVC elbow	20	EA	5.74	40.05	45.79	916
2" PVC Sch. 40 coupling	40	EA	1.79	40.05	41.84	1,674
2" PVC Sch. 40 bell end	20	EA	8.74	50.83	59.57	1,191
6 strand single mode OSP FOC	5310	LF	1.59	1.11	2.69	14,310
8 strand single mode OSP FOC	950	LF	1.70	1.14	2.84	2,697
4" PVC Sch. 40 conduit	2350	LF	14.44	18.10	32.54	76,472
4" PVC elbow	2	EA	30.39	80.87	111.26	223
4" PVC Sch. 40 coupling	4	EA	6.80	80.87	87.67	351
4" PVC Sch. 40 bell end	2	EA	10.57	67.78	78.35	157
48 strand single mode OSP FOC	2700	LF	2.06	1.31	3.37	9,106
Chain Trenching, 8"x24", backfill	16660	LF		1.36	1.36	22,680
Sign						
1" PVC Sch. 40 conduit	350	LF	3.42	6.53	9.95	3,482
1" PVC elbow	2	EA	1.76	23.34	25.09	50.18
1" PVC Sch. 40 coupling	4	EA	0.68	23.34	24.02	96.06
#10 XHHW wire, copper	1080	LF	0.50	0.82	1.32	1,422

A+A7 Weathers Creek High School					Net SF:	252,813
Construction Document Estimate						
DESCRIPTION		U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
Chain Trenching, 8"x24", backfill	350	LF		1.36	1.36	476
Site CCTV System						
Surveillance, one station (camera & monitor)	6	EA	1,643	625	2,268	13,608
For additional camera stations, add	63	EA	715	299	1,014	63,870
for weatherproof camera station, add	67	EA	928	704	1,631	109,285
for pan and tilt, add	2	EA	2,850	704	3,554	7,108
1" PVC Sch. 40 conduit	31780	LF	3.50	7.37	10.86	345,233
1" PVC elbow	134	EA	1.80	26.32	28.11	3,767
1" PVC Sch. 40 coupling	268	EA	0.70	26.32	27.01	7,240
#10 XHHW wire, copper	97350	LF	0.51	0.92	1.43	139,482
Quad Receptacle, 20 amp, w/box, ring, cover	67	EA	64.06	124	188	12,628
1 1/2" PVC Sch. 40 conduit	31780	LF	5.31	9.21	14.52	461,481
1 1/2" PVC elbow	134	EA	3.40	46.03	49.44	6,624
1 1/2" PVC Sch. 40 adapter	134	EA	1.22	28.75	29.97	4,016
1 1/2" PVC Sch. 40 coupling	268	EA	1.43	46.03	47.46	12,720
2 strand single mode OSP FOC	34460	LF	1.06	1.15	2.21	76,135
Chain Trenching, 8"x24", backfill	31780	LF		1.46	1.46	46,453
Fiber optic connector	268	EA	54.11	38.22	92.33	24,743
Media Converter	67	EA	309	116	425	28,456
PoE Injector	67	EA	383	116	498	33,376
CAT 6 Jack (label, test)	134	EA	9.33	14.16	23.49	3,148
CAT 6 cable, riser	2680	LF	0.49	1.31	1.80	4,836
Biscuit box	67	EA	8.70	12.77	21.46	1,438
CAT 6 patch cord, 3'	67	EA	16.50	12.94	29.44	1,973
PROJECT SUBTOTAL =====>					\$	156,246,383
UNIT PRICE ITEMS						
Unit Price No 1: Removal and Replacement of Unsatisfactory Mass Soil w/ Satisfactory Mass Soil						
Excavate Unsatisfactory Soil, Dozer	1	CY	7.32	9.75	17.08	17.08
Hauling, 12 cy dump truck, 10 mile cycle (35mph)	1	LCY	8.08	4.69	12.77	12.77
Imported Structural Fill, incl. compaction	1	CY	76.20	15.21	91.41	91.41
Subtotal =====>			@	=		121
Unit Price No 2: Removal and Replacement of Unsatisfactory Trench Soil w/ Satisfactory Soil						
Excavate Unsatisfactory Soil, Backhoe	1	CY	7.55	12.32	19.87	19.87
Hauling, 12 cy dump truck, 10 mile cycle (35mph)	1	LCY	8.08	4.69	12.77	12.77
Imported Structural Fill, incl. compaction	1	CY	76.20	15.21	91.41	91.41

A+A7 Weathers Creek High School				Net SF:	252,813
Construction Document Estimate				EQUIP/	TOTAL
DESCRIPTION	U/M	MAT'L	INSTALL	UNIT	COST
Subtotal =====>		@		=	124
Unit Price No 3: Mass Rock Excavation & Replacement w/ Satisfactory Soil					
Excavate Rock, Track Mounted FE Loader	1 CY	12.39	13.92	26.31	26.31
Hauling, 12 cy dump truck, 10 mile cycle (35mph)	1 LCY	8.08	4.69	12.77	12.77
Imported Structural Fill, incl. compaction	1 CY	76.20	15.21	91.41	91.41
Subtotal =====>		@		=	130
Unit Price No 4: Trench rock Excavation & Replacement w/ Satisfactory Soil					
Excavate Rock, Backhoe	1 CY	7.76	10.70	18.46	18.46
Hauling, 12 cy dump truck, 10 mile cycle (35mph)	1 LCY	8.08	4.69	12.77	12.77
Imported Structural Fill, incl. compaction	1 CY	76.20	15.21	91.41	91.41
Subtotal =====>		@		=	123
Unit Price No 5: 4" 4500 psi Concrete Sidewalk					
4500 psi concrete sidewalk in lieu of 3000 psi sidewalk	1 SF	0.63		0.63	0.63
Subtotal =====>		@		=	0.63
Unit Price No 6: 4" 5000 psi Concrete Sidewalk					
5000 psi concrete sidewalk in lieu of 3000 psi sidewalk	1 SF	1.19		1.19	1.19
Subtotal =====>		@		=	1.19
ALTERNATE PRICE ITEMS					
Alternate No 1: Pedestrian Bridge					
Pedestrian Bridge, Pre Fabricated Steel, incl. complete installation, abutments, railing, and concrete plank decking and integrated lighting	1 EA			400,000	400,000
Subtotal =====>		@		=	400,000
Alternate No 2: Guard Booth					
Architectural					
Strip Footings & Thickened Slab, incl reinforcing	9 CY	394	154	548	4,928
4" Light Ind. SOG, Reinf, VB, Gravel Base, Form, Finish	228 SF	7.48	6.34	13.82	3,151

A+A7		Weathers Creek High School				Net SF:	252,813
Construction Document Estimate				EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
DESCRIPTION		U/M					
Termite Pretreatment, Slabs & Walls		228	SF	0.97	0.30	1.27	290
WF & Tube Steel Beams & Columns (simple connections		1.5	TON	7,095	1,230	8,325	12,487
Metal Decking, open, galv, 1-1/2" deep, 20ga		380	SF	5.80	1.05	6.84	2,601
Face Brick Veneer, 8" CMU		525	SF	13.20	20.34	33.55	17,611
4" Ground Face CMU Veneer, 8" CMU		210	SF	11.15	17.13	28.29	5,941
Precast Band		60	LF		35.04	35.04	2,102
Storefront, laminated, insul glass		90	SF	65.88	46.41	112	10,106
3'x7' HM door w/hm. frame, paint, & panic hdwr.		2	EA	3,391	539	3,930	7,860
Polyisocyanurate Rigid Insulation, 6" thick, straight		380	SF	4.59	0.62	5.21	1,980
Standing Seam , including fasteners & trim, galvalum		380	SF	11.69	3.01	14.70	5,585
Standing Seam , including fasteners & trim, galvalum		380	SF	11.69	3.01	14.70	5,585
High Temp roof Underlayment		380	SF	0.61	0.17	0.78	296
Rail Type Snow Guard		20	SF	5.08	1.71	6.79	136
Ice & Water Shield		100	SF	1.73	0.65	2.38	238
Prefinished Aluminum Gutters, 5" Box-type		20	LF	6.00	6.46	12.46	249
Prefinished Aluminum Downspouts, 3" x 4"		22	LF	4.68	5.77	10.44	230
Stainless Steel Downspout Boots, 3" x 4"		2	EA	677	8.10	685	1,370
Fascia, Aluminum (NO furring included)		44	SF	15.25	5.57	20.81	916
Prefinished Metal Soffit		140	SF	13.21	6.43	19.64	2,750
8" CMU		128	SF	4.66	7.35	12.01	1,537
8" CMU, ground face		10	SF	7.17	9.00	16.17	162
Fire extinguisher w/ alum door & frame		2	EA	403	159	562	1,124
Paint (low-VOC) masonry, primer & 2 coats- spray		630	SF	0.44	0.60	1.04	652
Seal Coat Concrete (low-VOC)		154	SF	0.42	0.18	0.60	92.56
ACT & Grid		130	SF	5.37	2.28	7.65	995
Base Cabinets, wood		4	LF	785	46.34	831	3,325
Counter Tops, solid surface		10	LF	195	60.90	256	2,563
HVAC							
Packaged Terminal Ht Pump Units							
PTAC Heatpump 7000 Btuh (PTU-1)		1	EA	1299	241	1540	1,540
Controls System							
DDC Controls System (Sole Supplier)		228	SF			7.68	1,750
HVAC Specialties							
Vibration Isolation & Seismic Restraint		228	SF		0.56	0.56	128
HVAC Shop Drawings		228	SF		0.30	0.30	69
HVAC "As Built" Drawings		228	SF		0.22	0.22	50
Submittals and Close Out Documentation		228	SF		0.20	0.20	46
Operation & Maintenance Manuals (O & M's)		228	SF		0.08	0.08	18
Inspection & Limited Commissioning		228	SF		0.32	0.32	73
Owner Training For Operating Personnel		228	SF		0.08	0.08	18

A+A7 Weathers Creek High School				Net SF: 252,813	
Construction Document Estimate				UNIT	TOTAL
DESCRIPTION	U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	TOTAL	COST
One Year Contractor Service Warranty	228	SF	0.10	0.10	23
Piping / Equipment Labeling & Tagging	228	SF	0.05	0.05	12
Fire Protection					
Wet Pipe Sprinkler System	20	SF	3.20	3.08	126
Guard Booth Electrical - Area N					
Distribution Panels					
Panelboard, 100A, 208 volt, MLO, 30 ckt., w/1P brkrs	1	EA	2,271	1,737	4,008
Multi-pole Breakers					
Circuit breaker, 10KAIC, 2 pole, 15-50 amp, 240 volt	1	EA	123	115	237
Distribution Panel Feeders					
60A - PVC					
1 1/4" PVC Sch. 40 conduit	430	LF	4.70	8.36	5,612
1 1/4" PVC elbow	2	EA	2.61	32.83	70.88
1 1/4" PVC Sch. 40 adapter	2	EA	0.99	26.32	54.61
1 1/4" PVC Sch. 40 coupling	4	EA	0.93	32.83	135
#10 XHHW wire, copper	440	LF	0.51	0.92	630
#4 XHHW wire, copper	1760	LF	1.84	1.74	6,288
Chain Trenching, 8"x48", backfill	440	LF	1.75	1.75	770
Light Fixtures					
Type B Light	2	EA	383.60	96.27	960
Type E1 Light	1	EA	333.01	116.30	449
Type EW1A Light	1	EA	382.96	203.33	586
Type W5 Light	8	EA	832.53	203.33	8,287
Lighting Conduit & Wire					
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	280	LF	2.32	6.27	2,406
3/4" EMT connector	22	EA	0.93	7.41	187
3/4" EMT field bend	78	EA		10.17	797
4" Square box w/cover (ring), support	14	EA	3.89	40.82	626
#12 THHN wire, copper	1120	LF	0.66	0.74	1,568
Fixture whip, (3) #16THHN	3	EA	17.93	25.49	130
Lighting Controls					
Occupancy Sensor, 1-pole, wall	2	EA	145	36.48	363
Receptacles					
GFI Receptacle, 20 amp, w/ cover	7	EA	81.40	41.85	863
GFI Receptacle, 20 amp, w/ cover	1	EA	81.40	41.85	123
Receptacle Conduit & Wire					
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'	160	LF	2.32	6.27	1,375
3/4" EMT connector	13	EA	0.93	7.41	107
3/4" EMT field bend	45	EA		10.17	455
4" Square box w/cover (ring), support	8	EA	3.89	40.82	358

A+A7		Weathers Creek High School				Net SF:	252,813
Construction Document Estimate				EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST
DESCRIPTION		U/M					
#12 THHN wire, copper		640	LF	0.66	0.74	1.40	896
Equipment Connections							
5 HP, 250V, 1ph, flexible motor connection		1	EA	10.29	149.42	159.70	160
Equipment Conduit & Wire							
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'		30	LF	2.32	6.27	8.59	258
3/4" EMT connector		1	EA	0.93	7.41	8.33	11.67
3/4" EMT field bend		5	EA		10.17	10.17	54.90
4" Square box w/cover (ring), support		1	EA	3.89	40.82	44.71	44.71
#10 THHN wire, copper		93	LF	0.59	0.82	1.40	130
Fire Alarm System							
Smoke Detector, addressable		2	EA	414	156	570	1,140
3/4" EMT w/ 11 coup, 2 bends & 2 term. per 100'		40	LF	1.95	6.81	8.76	350
3/4" EMT connector		3	EA	0.95	8.04	8.99	28.77
3/4" EMT field bend		11	EA		11.03	11.03	124
4" Square box w/cover (ring), support		2	EA	20.70	58.11	78.80	158
18/2 fire alarm cable		80	LF	1.22	1.10	2.32	186
#14 THHN wire, copper		160	LF	0.14	0.68	0.82	131
Telecom System							
1 port wall phone plate, stainless steel		1	EA	15.85	11.55	27.40	27.40
2 port data plate, stainless steel		1	EA	16.23	12.33	28.57	28.57
CAT 6 Jack (label, test)		3	EA	7.34	13.64	20.98	62.94
Patch panel, punch down termination per port		3	EA		8.27	8.27	24.81
CAT 6 cable, plenum		450	LF	0.23	1.27	1.50	675
1" EMT w/ 11 coup, 2 bends & 2 term. per 100'		20	LF	3.25	7.70	10.94	219
1" EMT connector		4	EA	1.84	9.81	11.65	41.94
1" EMT field bend		12	EA		12.16	12.16	141
4 11/16" x 2 1/8"D Square box w/cover (ring), support		2	EA	17.41	60.97	78.38	157
Guard Booth Site							
Light Duty Paving							
Compacted Subgrade		250	SY	2.46	0.83	3.29	823
8" Stone, Compacted		250	SY	24.55	1.44	26.00	6,499
Asphalt Paving, 2"		250	SY	16.63	1.44	18.07	4,518
Pedestrian Paving							
Concrete Sidewalk 4", cast on ground		400	SF	4.21	3.64	7.85	3,140
Steel pole, powder-coated., 30 ft.		1	EA	2,512	1,204	3,716	3,716
Bracket arms, 1 arm		1	EA	635	127	762	762
Pole Head, LED, 1 head, Lithonia DSX1 series		1	EA	2,689	482	3,171	3,171
36" conc column, round, 4000psi, 3% rebar		2.1	CY	1,991	997	2,988	6,274
36" Augering, up to 30' deep		6	LF		49.21	49.21	295

A+A7	Weathers Creek High School				Net SF:	252,813		
Construction Document Estimate								
DESCRIPTION			U/M	EQUIP/ MAT'L	QUOTE/ INSTALL	UNIT TOTAL	TOTAL COST	
Anchor bolt			4	EA	10.75	6.91	17.66	70.66
1" PVC Sch. 40 conduit			110	LF	3.43	8.17	11.60	1,276
1" PVC elbow			2	EA	1.76	29.18	30.94	61.89
1" PVC Sch. 40 adapter			1	EA	0.76	26.87	27.63	27.63
1" PVC Sch. 40 coupling			4	EA	0.68	29.18	29.86	119
#12 XHHW wire, copper			110	LF	0.33	0.92	1.26	139
#10 XHHW wire, copper			120	LF	0.50	1.02	1.52	183
#8 XHHW wire, copper			240	LF	0.84	1.27	2.11	508
Chain Trenching, 8"x24" , backfill			2	LF		1.56	1.56	3.12
Subtotal =====>				@		=	174,794	
Alternate No 3: Geofill Infill at Synthetic Fields								
Synthetic Turf (Practice Fields			-122620	SF	12.32	3.47	15.79	-1,936,146
Synthetic Turf (Football Stadium)			-102000	SF	9.48	3.47	12.95	-1,320,503
Geofill Synthetic Turf System			224620	SF	14.41	3.47	17.88	4,015,124
Subtotal =====>				@		=	758,476	
ALLOWANCES PRICE ITEMS								
Allowance No 1: Excavate and Haul Away 2000 CY of unsatisfactory Mass soil and replace w/ imported satisfactory soil material								
Excavate Unsatisfactory Soil, Dozer			2000	CY	7.32	9.75	17.08	34,151
Hauling, 12 cy dump truck, 10 mile cycle (35mph)			2000	LCY	8.08	4.69	12.77	25,533
Imported Structural Fill, incl. compaction			2000	CY	76.20	15.21	91.41	182,829
Subtotal =====>				@		=	242,513	
Allowance No 2: Excavate and Haul Away 200 CY of unsatisfactory Trench soil and replace w/ imported satisfactory soil material								
Excavate Unsatisfactory Soil, Backhoe			200	CY	7.55	12.32	19.87	3,975
Hauling, 12 cy dump truck, 10 mile cycle (35mph)			200	LCY	8.08	4.69	12.77	2,553
Imported Structural Fill, incl. compaction			200	CY	76.20	15.21	91.41	18,283
Subtotal =====>				@		=	24,811	
Allowance No 3: Excavate and Haul Away 1000 CY of Mass Rock Removal and replace w/ imported satisfactory soil material								
Excavate Rock, Track Mounted FE Loader			1000	CY	12.39	13.92	26.31	26313.95
Hauling, 12 cy dump truck, 10 mile cycle (35mph)			1000	LCY	8.08	4.69	12.77	12,766
Imported Structural Fill, incl. compaction			1000	CY	76.20	15.21	91.41	91,415
Subtotal =====>				@		=	130,495	

A+A7		Weathers Creek High School			Net SF:	252,813
Construction Document Estimate			EQUIP/	QUOTE/	UNIT	TOTAL
DESCRIPTION		U/M	MAT'L	INSTALL	TOTAL	COST
Allowance No 4: Excavate and Haul Away 10 CY of Trench Rock Removal and replace w/ imported satisfactory soil material						
Excavate Rock, Backhoe		10 CY	7.76	10.70	18.46	184.56
Hauling, 12 cy dump truck, 10 mile cycle (35mph)		10 LCY	8.08	4.69	12.77	128
Imported Structural Fill, incl. compaction		10 CY	76.20	15.21	91.41	914
Subtotal =====>			@		=	1,226