

Main Office: 6799 Kennedy Road Unit F Warrenton, Virginia 20187 Phone: 540.347.5001 Fax: 540.347.5021 1388 NW 2<sup>rd</sup> Ave., Unit 4B, Boca Raton, FL. 33432 Phone: 561.416.1240 Fax: 561.416.1248 www.downeyscott.com

# **Conceptual Design / Feasibility Cost Estimate Report**

Report Date: February 10, 2012 Prepared for: SHW Group

Arlington Public Schools *The Reed School* Additions and Interior Renovations Arlington, Virginia





## **COST ESTIMATE CLARIFYING NOTES, ASSUMPTIONS & EXCLUSIONS**

- We have incorporated construction costs for a single Contractor procurement via lump sum General Contract. It is assumed that at least 5 General Contractor bids will be received. It is assumed that the facility will be occupied during construction and the project will be phased accordingly. We include phased sequenced construction costs. We do not include relocation cost, or temporary modular classrooms for the current occupants.
- <u>We include hard construction and soft construction costs</u>. The Soft construction costs are budgeted as 22.5% of the construction hard costs. Please refer to the main project summary for the outline of all budgeted items.
- The Limits of Construction are those indicated on the documents provided.
- We exclude all <u>HAZMAT abatement costs for</u> Lead Paint, Asbestos, PCB's or Mold. Any type of HAZMAT remediation cost is not included in our analysis.
- Design Contingency accounts for the costs of yet unidentified scope requirements and engineering. <u>A 15% Design Contingency has been included.</u>
- Construction Contingency accounts for the costs of change orders due to unforeseen conditions and / or owner generated changes. A <u>5% Construction Contingency has been included.</u>
- Escalation accounts for the inflationary effects of elapsed time. <u>Escalation costs have</u> <u>been included at an average of 4% per year commencing in third quarter of FY</u> <u>2012.</u>
- All cost data is based on Open shop wage and burden rates.



# SOFT COSTS INCLUDED IN OUR COSTS ANALYSIS

We are utilizing a 22.5 % Construction Soft Cost multiplier for the project budget. It is assumed that the Soft Cost multiplier will include the following items:

## FURNITURE, FIXTURE & EQUIPMENT [FF&E]

- Loose, unattached system furniture, traditional furniture, etc.
- Special fixtures relevant to subject facility operations and uses
- Communications equipment, such as servers, telephone sets, communications cables, instruments, & accessories
- Vending equipment purchases and/or leases, etc.
- Exterior equipment, such as exercise equipment, pay telephones.

## MOVING & STORAGE COSTS

- Contract and/or internal staff implemented moving costs.
- Temporary storage and insurance.
- Removal and disposal of furnishings of no salvage value.

#### **TEMPORARY FACILITIES**

- Non-contractor temporary storage trailers.
- Non-contractor temporary utilities.

### **REAL ESTATE**

- Land acquisitions, leases, easements and rights of way.
- Real estate taxes.
- Transfer taxes.
- Recordation fees & taxes.
- Brokerage commissions.
- Settlement charges.
- Legal fees.

### MANAGEMENT Indirect Owner Mgt Expenses

- Real estate necessary to house management & staff.
- Utilities.
- Insurance.
- Furniture, fixture & equipment.
- Project management salaries.
- Communications, telephone, facsimile expenses, e-mail, etc.
- Travel, parking, courier services, etc.
- Security.
- Office equipment & supplies.



## **COMMON OWNER SOFT CONSTRUCTION COSTS (continued)**

## **PROMOTION / RESPONDING TO PUBLIC & MEDIA INQUIRIES**

- Artwork and reproduction of advertising, brochures, hand-outs.
- Advertising fees.
- Postage.
- Signage.
- Photography.
- Renderings.
- Public and/or promotional events, such as hearings, fund raisers, etc.

#### FINANCIAL

- Accounting [in-house].
- Accounting [CPA].
- Interim financing [loan, bond, other] origination fees, expenses & interest.
- Permanent financing [loan, bond, other] origination fees, expenses & interest.
- Appraisal fees.
- Working capital / start-up.
- Performance [Owner, not to be confused with contractor] bonds

### **INSURANCE PREMIUMS**

- Owner's Builder's Risk Insurance
- Owner Liability Insurance
- Title Insurance
- Other Owner Insurance Policies related to the project

#### **LEGAL FEES**

- Real estate purchase, land use changes, zoning compliance, proffers
- Partnerships
- Financing
- Contracts
- Leasing

#### JURISDICTIONAL FEES

- Zoning, site and general building permit fees & expenses. Note: jurisdictional trade permit fees are included in our computations.
- Primary water utility availability and connection fees
- Primary sewer utility availability and connection fees
- Gas company fees
- Power company fees
- Telephone company fees

DOWNEY & SCOTT, LLC CONSTRUCTION MANAGEMENT SERVICES

Cost Management [] Value Engineering [] Construction Project Management [] Defect Inspections [] Life Cycle Analyses [] Dispute Resolution



## <u>COMMON OWNER SOFT CONSTRUCTION COSTS (continued)</u>

- Cable TV company fees
- State & local highway fees
- Mandatory completion bonds
- Adjoining owner demands
- Mandated off-site storm water management contributions

#### **DESIGN FEES**

- Architect / Engineer / Cost Management / Construction Management Consultant Fees
- Surveys, Civil Engineering, Testing and Third Party Inspection Fees
- Traffic Consultant Fees

#### **RECOMMENDED COST CONTROL PROCESS**

Controlling construction costs is a continuous process that spans from the initial programmatic level through to final completion. We recommend that further construction cost estimates be performed if the project advances past the concept/feasibility study level.

#### MARKET CONDITIONS & OPINIONS OF PROBABLE COST

Downey and Scott, LLC has no control over market conditions or acts of God that can create rapid fluctuations in material prices. We have extensive experience in similar projects and have employed our best judgment in analyzing the subject project. We cannot, however, guarantee that actual construction costs will not vary from the opinions of probable construction costs herein provided.

Please contact William G. (Bill) Downey, Managing Principal or Fred Scott, Principal regarding this project should you have any questions or concerns.

Report: Project: Location: Documents Dated:	Reed Scho	Study Const Cost Estimate ool Feasibility Study Public Schools 12		Prepared by: Downey & Scott, LLC 6799 Kennedy Road, Suite F Warrenton, Virginia 20187 Ph 540.347.5001 Fax 540.347.5021 www.downevscott.com	Status: Client: Submissn: Run Date:	Concept D <i>SHW Group</i> Feb. 10, 20 See footer	12	PM: ct/gs Chckd by: bd/sm Job no: 12002
				www.aowneyscott.com		1		
LOC REF	SYS #	UNIFORMAT SYSTEM	S	SPECIFICATION	QUANTITY	U/M	UNIT COST	EXTENSIO

#### PROJECT CONSTRUCTION COST SUMMARY

	Arlington Public Schools - Reed School Addti Reno Total		50,720.00 Gross Square Feet 18,880.00 Gross Square Feet 69,600.00 Gross Square Feet	
<b>CONSTRUCT</b>	ION COSTS			
			Cost per SF	
HARD COSTS	Two Story Addition to Existing Building	Carried forward	219.62	\$11,139,307
HARD COSTS				
HARD COSTS	Renovations to Existing Building	Carried forward	128.95	\$2,434,566
HARD COSTS				• • • • • • • •
HARD COSTS	Sitework	Carried forward	N/A	\$932,228
HARD COSTS				
HARD COSTS	Subtotal			\$14,506,101
HARD COSTS	Escalation to construction mid point - see table below	0.00%		\$0
HARD COSTS	Subtotal			\$14,506,101
HARD COSTS	Design Contingency	15.00%		\$2,175,915
HARD COSTS	Subtotal			\$16,682,016
HARD COSTS	Construction Contingency	5.00%		\$834,101
HARD COSTS			Cost per SF	
HARD COSTS	Total Hard Construction Costs Base Bid		<u>\$251.67</u>	<u>\$17,516,117</u>
SOFT COSTS	Project Soft Cost - A/E Fees, F.F.&E., Owner Staffing, Owner Costs	22.50%		\$3,941,126
			Cost per SF	
TOTAL COSTS	Total Hard Construction Costs Base Bid & Soft Cost in Current Dollars, Firs	st Quarter 2012	<u>\$308.29</u>	<u>\$21,457,243</u>

#### Cost Escalation Scenarios \* All based upon 4% average annual rate of inflation

	Hard Construction Costs and Soft Construction Costs are escalated	Escalation	4.00%	Per year	
<u>2013</u>	TOTAL PROJECT HARD & SOFT CONSTRUCTION COSTS PROJECTED IN FIRST QUAR	TER 2013 DOLLARS	5		<u>\$22,315,533</u>
<u>2014</u>	TOTAL PROJECT HARD & SOFT CONSTRUCTION COSTS PROJECTED IN FIRST QUAR	TER 2014 DOLLARS	5		<u>\$23,208,154</u>
<u>2015</u>	TOTAL PROJECT HARD & SOFT CONSTRUCTION COSTS PROJECTED IN FIRST QUAR	TER 2015 DOLLARS	3		<u>\$24,136,481</u>
<u>2016</u>	TOTAL PROJECT HARD & SOFT CONSTRUCTION COSTS PROJECTED IN FIRST QUAR	TER 2016 DOLLARS	3		<u>\$25,101,940</u>
<u>2017</u>	TOTAL PROJECT HARD & SOFT CONSTRUCTION COSTS PROJECTED IN FIRST QUAR	TER 2017 DOLLAR	3		<u>\$26,106,017</u>

Notes:

Hard Construction and Soft Costs are included in the annual increases

Project should be assessed every year to determine actual inflation factors

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LOC REF	SYS #	UNIFORMAT SYSTEM	SPECIFICATION	QUANTITY	U/M	UNIT COST	EXTENSION

#### ADDITIONS HVAC BASE BID & ALTERNATE COMPARASION SUMMARY

	Cost per SF				
Base Bid System - Stand Alone System	Carried forward	34.59 \$1,754,425			
Alternate System - Geothermal System	Carried forward	58.28 \$2,955,836 current dollars			
Alternate System - VRF System	Carried forward	32.26 <b>\$2,245,159</b> current dollars			

Note: These costs include the HVAC cost, general conditions, and general contractor mark-ups Design contingency, construction contingency, escalation or soft cost are not included

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# HARD CONSTRUCTION COSTS BASE BID IN CURRENT MARKET DOLLARS

		Cost	per SF
BUILDING ADDITIONS		50,720 GSF <u>\$</u> 2	<u>219.62</u> 11,139,307
SUBTOTAL	SUBTOTAL		11,139,307
ESCALATION TO BID	REFER TO MAIN SUMMARY	0.00%	0
SUBTOTAL	SUBTOTAL		11,139,307
DESIGN CONTINGENCY	REFER TO MAIN SUMMARY	0.00%	0
RENOVATION TOTAL	RENOVATION TOTAL		11,139,307
		Cost p	per SF
		<u>\$2</u>	<u>219.62</u>

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LOC REF	SYS #	UNIFORMAT SYSTEM	SPECIFICATION	QUANTITY	U/M	UNIT COST	EXTENSIO
LUC KEP	313#	UNIFORMATSTSTEM	SPECIFICATION	QUANTIT	0/101	0001 0031	EXTENSIO
ADDITIONS	00.00		BUILDING ADDITION				
ADDITIONS							
ADDITIONS	00.50	SELECT BLDG. DEMO	Misc. demo at tie-ins	1.00	) LS	20,000.00	20,000.0
ADDITIONS			Misc. prep/patch	1.00	) LS	5,000.00	5,000.0
ADDITIONS			Misc R&R for MEP tie-ins	1.00	) LS	15,000.00	15,000.0
ADDITIONS			Rem. exist. roofing & copings	32,265.00	) GSF	4.50	145,192.5
ADDITIONS			Segregated debris disposal off site	454.3		30.00	13,630.5
ADDITIONS			LEED Disposal Fee / Recycling	227.18	B TNS	37.00	8,405.4
ADDITIONS			Hazmat abatement - asbestos			Costs are Exclud	
ADDITIONS			Hazmat abatement - lead			Costs are Exclud	ded
ADDITIONS	04.00	FOUNDATIONS	Elevertes site and inclusion Qualities	00.00	0.05	405.00	10.150.0
ADDITIONS	01.00	FOUNDATIONS	Elevator pit, sgl, incl w.p. & drains	90.00		135.00	12,150.0
ADDITIONS			Foundations	16,912.00	) GSF	7.87	133,097.4
ADDITIONS	02.00	SUBSTRUCTURE	Minor COC renaire in av hide allevence	1.000.00		12.00	12,000.0
ADDITIONS	02.00	SUBSTRUCTURE	Minor SOG repairs in ex. bldg., allowance SOG	16.912.00		8.30	140.369.6
ADDITIONS ADDITIONS			Exterior stoops & slabs	200.00		8.00	140,369.6
ADDITIONS			Exterior sloops & slabs	200.00	J 3F	0.00	1,000.0
ADDITIONS	03.00	SUPERSTRUCTURE	Mods to exist. 2nd floor framing & deck	32.265.00	GSE	4.90	158.098.5
ADDITIONS	00100		SOMD for 2nd floor	32,265.00		4.35	140,352.7
ADDITIONS			Roof framing & deck	42,000.00		10.30	432,600.0
ADDITIONS			Elev hoist bm & hoistway roof deck	90.00		4.50	405.0
ADDITIONS			Elev hoistway SOMD	90.00		8.75	787.5
ADDITIONS			Stairways		D EA	18,750.00	56,250.0
ADDITIONS			Misc metals	50,720.00		2.20	111,584.0
ADDITIONS			Misc Wood Blocking	50,720.00		1.05	53,256.0
ADDITIONS			Ũ				,
ADDITIONS	04.00	EXTERIOR CLOSURE	Lt. gage exterior wall framing & sheathing	30,825.00	) SF	9.50	292,837.5
ADDITIONS			Brick veneer at It. gage wall framing	15,412.50	) SF	18.50	285,131.2
ADDITIONS			Ground face CMU veneer at It. gage wall framing	7,706.25	5 SF	16.00	123,300.0
ADDITIONS			Metal panels wall covering at It. gage wall framing	7,706.25	5 SF	22.00	169,537.5
ADDITIONS			Exterior wall vapor barrier	30,825.00	) SF	3.75	115,593.7
ADDITIONS			Windows	50,720.00	) GSF	7.20	365,184.0
ADDITIONS			Storefront entrances	50,720.00	) GSF	1.25	63,400.0
ADDITIONS			Doors, frames, hardware, sidelites	50,720.00		0.60	30,432.0
ADDITIONS			Building perimeter drains in gravel bed	700.00		10.50	7,350.0
ADDITIONS			Misc. w.p./caulk/fire sealants/etc. Div 7	50,720,00	) GSF	1.45	73,544.0

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LOC REF	SYS #	UNIFORMAT SYSTEM	SPECIFICATION	QUANTITY	U/M	UNIT COST	EXTENSION
ADDITIONS	05.00	ROOFING	Low slope membrane w/ flashing & copings	42,000.00	) GSF	6.30	264,600.00
ADDITIONS ADDITIONS	06.00	INTERIOR CONST	Patch ex. masonry walls allowance	1,500.00	) SF	25.00	37,500.00
ADDITIONS			Masonry at tie-in walls	2.000.00	) SF	19.00	38.000.00
ADDITIONS			Masonry hoistway walls	1,140.00	) SF	22.50	25,650.00
ADDITIONS			Masonry partitions	50,720.00	) GSF	4.10	207,952.00
ADDITIONS			Mtl stud & GWB partitions, hi-impact	50,720.00	) GSF	7.30	370,256.00
ADDITIONS			Elev Cab finish allowance	1.00		500.00	500.00
ADDITIONS			GWB ceilings/bulkheads	50,720.00	) GSF	0.15	7.608.00
ADDITIONS			Misc. batt insulation	50,720.00	) GSF	0.45	22,824.00
ADDITIONS			Sound transmission control insulation	50,720.00	) GSF	0.19	9,636.80
ADDITIONS			Interior glass at interior partition allowance	50,720.00	) GSF	1.50	76,080.0
ADDITIONS			Interior doors, single, incl jambs, trim & hardware	50,720.00	) GSF	5.75	291,640.0
ADDITIONS			Acoustic ceiling, avg	50,720.00	GSF	2.25	114,120.00
ADDITIONS			Prem. ceilings: main corridors / mtg. rms, prem add	10,144.00	) GSF	1.10	11,158.4
ADDITIONS			Premium wall finish: main corridors & conf. rm	50,720.00	) GSF	0.24	12,172.8
ADDITIONS			CT floor, base, walls in restrooms	50,720.00	) GSF	0.75	38,040.0
ADDITIONS			VCT flooring/ vinly base	50,720.00	) GSF	2.16	109,555.20
ADDITIONS			Carpet	50,720.00	) GSF	1.11	56,299.20
ADDITIONS			Wood gym floor w/ game lines, etc	5,000.00	) GSF	16.50	82,500.00
ADDITIONS			Painting	50,720.00	) GSF	1.80	91,296.00
ADDITIONS			Misc cut and patching	50,720.00	) GSF	0.30	15,216.00
ADDITIONS							
ADDITIONS	07.00	SPECIAL EQUIPMENT	Window treatment	50,720.00	) GSF	0.45	22,824.00
ADDITIONS			General casework	50,720,00	) GSF	7.25	367,720.00
ADDITIONS			General millwork	50,720.00	GSF	0.45	22,824.00
ADDITIONS			Visual display MB & TB	50,720.00	) GSF	1.00	50,720.00
ADDITIONS			Smart boards	24.00	) EA	6,500.00	156,000.00
ADDITIONS			Misc spec. dr signs/f.e./jan shelving/etc.	50,720.00	) GSF	1.50	76,080.00
ADDITIONS			Student desks and work stations			Refer to FF&E	
ADDITIONS			Office furnishings, sofas and chairs			Refer to FF&E	
ADDITIONS			-				
ADDITIONS	08.00	CONVEYING	Elevator, two stop, MRL	1.00	) LS	90,000.00	90,000.00
ADDITIONS							
ADDITIONS	09.00	MECHANICAL HVAC - Stand Alone System	HVAC Equipment	50,720.00	) GSF	12.50	634,000.00
ADDITIONS		Note: Based on RTU equipment & VAV boxes with	Piping & Valves		) GSF	5.50	0.0
ADDITIONS		electric heat.	Ductwork	50,720.00	) GSF	6.75	342,360.00
ADDITIONS			Air Outlets	50,720.00		0.59	29.924.80
ADDITIONS			Ductwork Accessories	50,720.00		0.72	36,518.40
ADDITIONS			Insulation	50,720.00		2.15	109,048.00
ADDITIONS			Temperature Controls	50,720.00		4.10	207,952.00
ADDITIONS			Air & Water Balance	50,720.00		0.45	22,824.00
ADDITIONS			Coordination Drawings	50,720.00		0.22	11,158.40
ADDITIONS			Systems Operation & Testing	50,720.00		0.25	12,680.00
ADDITIONS			-,				,::00101

Accornols         PLUMBING         Water Closet         18.00 EA         464.50           Accornols         Urinal         6.00 EA         385.22           Accornols         Lavatory, counteridy mounted         2.000 EA         313.35           Classition Sink         12.00 EA         313.35           Accornols         Classition Sink         12.00 EA         313.35           Accornols         Classition Sink         12.00 EA         313.35           Accornols         Electrit Water Color         2.00 EA         313.35           Accornols         Electrit Water Color         2.00 EA         344.50           Accornols         Rod Drain         52.00 EA         344.50         1           Accornols         Rod Drain         52.00 EA         344.50         1           Accornols         Rod Drain         52.00 EA         344.50         1           Accornols         Circulating Pump         1.00 EA         72.50.0         3           Accornols         Sever Ejector Pump         1.00 EA         72.50.0         3           Accornols         Sever Ejector Pump         1.00 EA         5.50.00         3           Accornols         Dornestic Water Mater Priping         50.72.00.0 GSF         0	Report: Project: Location: Documents Dated:	Reed Sch	y Study Const Cost Estimate nool Feasibility Study n Public Schools 112	Prepared by: Downey & Scott, LLC 6799 Kennedy Road, Suite F Warrenton, Virginia 20187 Ph 540.347.5001 Fax 540.347.5021 www.downeyscott.com	Status: Client: Submissn: Run Date:	Concept SHW Grou Feb. 10, 3 See foote	10 Chi 2012 Job	: ct/gs ckd by: bd/sm o no: 12002
wommes         Urinal         6.00 EA         395.22           wommes         Automatic Fluih Valer         24.00 EA         191.32           wommes         Classroom Sink         12.00 EA         191.32           wommes         Jannor Sink         2.00 EA         191.32           wommes         Jannor Sink         2.00 EA         191.32           wommes         Jannor Sink         2.00 EA         191.32           wommes         Rood Darin         8.00 EA         188.80         1           wommes         Rood Darin         8.00 EA         188.80         1           wommes         Circulating Pump         1.00 EA         4.22.00         1           wommes         Circulating Pump         1.00 EA         7.25.00         1           wommes         Circulating Pump         1.00 EA         7.25.00         1         1         2.00         1         1         1.00 EA         7.25.00         1         1         2.00         1         1         1.00 EA         7.25.00         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1	LOC REF	SYS #	UNIFORMAT SYSTEM	SPECIFICATION	QUANTITY	U/M	UNIT COST	EXTENSION
wommes         Urinal         6.00 EA         395.22           wommes         Automatic Pluh Valer         24.00 EA         191.32           wommes         Classroom Sink         12.00 EA         191.82           wommes         Electric Water Coder         2.00 EA         191.82           wommes         Jandro Tank         8.00 EA         198.80         1           wommes         Floor Danin         8.00 EA         198.80         1           wommes         Rich Pluh Pluh         5.00 EA         198.80         1           wommes         Water Heater         1.00 EA         422.00 EA         188.80         1           wommes         Circulating Pump         1.00 EA         422.00 EA         125.00.0         1           wommes         Circulating Pump         1.00 EA         125.00.0         1         1.48         1           wommes         Domestic Water Fighing         5.072.00.0 GSF         2.49         1         4           wommes         Storm Pigning         50.720.00 GSF         2.49         1         4           wommes         Jandro Charings         50.720.00 GSF         2.45         4           wommes         Stord witking Plunbing Systems         1.00 LS<		0.00	DUMPNIO		10.0	0 5 4	40.4.50	0.001.0
sectross         Automatic Fuel Yalve         24.00 EA         193.20           sectross         Cassroor Sink         12.00 EA         393.55           sectross         Cassroor Sink         2.00 EA         191.320           sectross         Janitor Sink         2.00 EA         191.83.05           sectross         Janitor Sink         2.00 EA         191.83.05           sectross         Roof Drain         5.00 EA         198.45.0           sectross         Walt Hydraft         2.00 EA         482.20           sectross         Walt Hydraft         2.00 EA         4.22.24           sectross         Walt Hydraft         2.00 EA         4.22.20           sectross         Walt Hydraft         1.00 EA         4.22.00           sectross         Coversite Water Priping         6.07.20.00 GSF         2.08           sectross         Doressite Water Priping         6.07.20.00 GSF         1.76         8.30           sectross         Storm Priping         6.07.20.00 GSF         0.81         4.4           sectross         Storm Priping         6.07.20.00 GSF         0.81         4.4           sectross         Storm Priping         5.07.20.00 GSF         0.83         4.4           sectro		9.20	PLUMBING					8,361.0
sectross sectros in a sectro								2,311.3
Seannos         Classmon S         12.00 EA         448.10           Seannos         Electric Water Cooler         2.00 EA         17.83.01           Seannos         Floor Drain         8.00 EA         178.30           Seannos         Floor Drain         8.00 EA         178.30           Seannos         Wall Hydrant         2.00 EA         384.50         1           Seannos         Wall Hydrant         2.00 EA         384.50         1           Seannos         Wall Hydrant         2.00 EA         4.822.00         1           Seannos         Circulator Pump         1.00 EA         12.50.0.00         1           Seannos         Seannos         1.00 EA         12.50.0.00         1           Seannos         Donesito Water Paing         50.720.00 GSF         2.89         13           Seannos         Starm Paing         50.720.00 GSF         1.2         1           Seannos         Starm Paing         50.720.00 GSF         2.850.00         1           Seannos         Start Paing         1.00 LS         2.650.00         1           Seannos         Start Paing         50.720.00 GSF         0.65         3           Seannos         Lub transformars         50.720.00								3,916.80 6,277.00
seamos         Electric Water Cooler         2.00 EA         1,163.30           seamos         Janico Sink         2.00 EA         73.34           seamos         Rod Drain         5.00 EA         38.45.0         1           seamos         Rod Drain         5.00 EA         38.45.0         1           seamos         Watt Hydrant         5.00 EA         38.20.0         1           seamos         Circulating Pump         1.00 EA         425.20.0         1           seamos         Sever Ejector Pump         1.00 EA         425.00.0         1           seamos         Domestic Water Aging Pump, oil middr type         1.00 EA         6.550.00         1           seamos         Domestic Water Aging         50.720.00 CSF         0.22.2         1           seamos         Domestic Water Aging         50.720.00 CSF         0.2.2         1           seamos         1.00 LS         2.650.00         1         4         0           seamos         Domestic Water Aging         50.720.00 CSF         0.2.2         1           seamos         Seamos         1.00 LS         2.650.00         1         0           seamos         Seamos         So.720.00 CSF         2.65         0.1								5,821.20
seamos         Jantor Sink         2.00 EA         73.3.44           Floor Drain         8.00 EA         18.00           seamos         Rod Drain         2.00 EA         384.50         1           seamos         Walt Pydant         2.00 EA         384.50         1           seamos         Water Heater         1.00 EA         4.822.00         1           seamos         Circulator Pump         1.00 EA         4.22.00         1           seamos         Circulator Pump, all minder type         1.00 EA         4.25.00.00         1           seamos         Sever Ejector Pump, all minder type         1.00 EA         6.25.00         1           seamos         Storm Pping         50.720.00 GSF         2.69         13           seamos         Storm Pping         50.720.00 GSF         2.62         1           seamos         Storm Pping         50.720.00 GSF         2.65         14           seamos         Storm Pping         1.00 LS         2.65         14           seamos         Storm Pping         50.720.00 GSF         0.65         3           seamos         Storm Pping         1.00 LS         2.65         14           seamos         Storm Pping								2,327.00
examos         Flor Drain         8.00 EA         168.00         1           examos         Rod Drain         52.00 EA         284.50         1           examos         Wall Hydrant         2.00 EA         282.00         1           examos         Wall Hydrant         2.00 EA         282.00         1           examos         Circulating Pump         1.00 EA         12.500.00         1           examos         Elevator Sum Pump, oll mindrer type         1.00 EA         6.550.00         1           examos         Dornesic Water Piping         50.720.00 GSF         1.48         7           examos         Storm Piping         50.720.00 GSF         0.48         1.48         7           examos         Storm Piping         50.720.00 GSF         0.48         1.48         7           examos         Storm Piping         50.720.00 GSF         0.48         1.48         7           examos         Piumbing Insulation         50.720.00 GSF         0.48         1.48         7           examos         Strinker         Strinker         50.720.00 GSF         0.45         0.40         1.48         7           examos         1.0.01         ELECTRICAL         Strinker and - mody existing								1,467.08
wonnows         Walt Hydrant         52.00 EA         384.50         1           wonnows         Walter Heater         1.00 EA         4.822.00           wonnows         Craudiang Pump         1.00 EA         4.822.00           wonnows         Eventory Damp ol initiater type         1.00 EA         4.822.00           wonnows         Eventory Sump Pump         1.00 EA         4.822.00           wonnows         Eventory Damp ol initiater type         50.720.00 GSF         2.69         13           wonnows         Domestic Water Piping         50.720.00 GSF         0.81         4           wonnows         Storm Piping         50.720.00 GSF         0.81         4           wonnows         The inb Existing Plumbing Systems         1.00 LS         2.650.00         16           wonnows         FIRE SPRINKLER         Sprinkler         50.720.00 GSF         0.81         4           wonnows         Fire Pump         1.00 LS         6.5000.00         5         0.48           wonnows         Bus Durd & Transformers         50.720.00 GSF         0.48         5           wonnows         Fire Pump         1.00 LS         2.650.00         5           wonnows         Genentator'ATS - for additon & fire pump <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1,348.80</td></td<>								1,348.80
wommes         Wail Hydrant         2.00 EA         2.25.94           wommes         Wail Hydrant         2.00 EA         4.22.00           wommes         Circulating Pump         1.00 EA         4.22.00           wommes         Severe Fjedor Pump         1.00 EA         4.22.00           wommes         Dimestif Mater Piping         60.700 GSF         2.69         13           wommes         Dimestif Water Piping         60.700 GSF         1.48         77           wommes         Storm Piping         50.720.00 GSF         0.48         1.42           wommes         Conditation Drawings         50.720.00 GSF         0.48         1.48         77           wommes         Time inc Existing Plumbing Systems         1.00 LS         65.000.00         65         0.22         1           wommes         1.00 LS         ELCTRICAL         Sprinkler         50.720.00 GSF         0.15         6         0.00         6         0.00 GSF         0.15         0.00         6         0.00         6         0.00         0.00         5         0.00         0.00         5         0.00         5         0.00         5         0.00         5         0.00         5         0.00         5         0.00 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>19,994.00</td>								19,994.00
warners         Water Heater         1.00 EA         4.822.00           connes         Circulating Pump         1.00 EA         7.25.00           seemes         Elevator Sump Pump, oil minder type         1.00 EA         6.550.00           seemes         Domestic Water Piping         50.720.00 GSF         2.69         1.63           seemes         Domestic Water Piping         50.720.00 GSF         0.81         4           seemes         Storm Piping         50.720.00 GSF         0.81         4           seemes         Storm Piping         50.720.00 GSF         0.81         4           seemes         Storm Piping         50.720.00 GSF         2.85         14           seemes         Tie the Existing Plumbing Insulation         50.720.00 GSF         2.85         14           seemes         Storm Piping         1.00 LS         65.000.00         5           seemes         Storm Piping         1.00 LS         65.020.00         5								505.88
warmows         Circulating Pump         1.00 EA         725.00           warmows         Elevator Sump Pump, oilminder type         1.00 EA         725.00           warmows         Domestiv Ware Pipting         50.720.00 GSF         2.69         13           warmows         DWV Piping         50.720.00 GSF         1.76         84           warmows         DWV Piping         50.720.00 GSF         0.81         4           warmows         Condination Drawings         50.720.00 GSF         0.81         4           warmows         Condination Drawings         50.720.00 GSF         0.81         4           warmows         1.00 LS         2.85         44         6           warmows         1.00 LS         2.85         0.80								4,822.00
Adamonse         Sever Ejector Pump (um) of minder type         1.00 EA         12,500,00         1           Adamonse         Domesite Water Piping         50,720,00 GSF         2,69         13           Adamonse         Domesite Water Piping         50,720,00 GSF         2,69         13           Adamonse         Storm Piping         50,720,00 GSF         1,48         7           Adamonse         Storm Piping         50,720,00 GSF         0,22         1           Adamonse         Storm Piping         50,720,00 GSF         0,22         1           Adamonse         Storm Piping         10,01 LS         2,650,000         6           Adamonse         Storm Pump, outing Systems         1,00 LS         2,650,000         6           Adamonse         Storm Pump, outing Systems         1,00 LS         6,6,000,00         6           Adamonse         Storm Pump, outing Systems         1,00 LS         6,6,000,00         6           Adamonse         Storm Pump, outing Systems         1,00 LS         6,6,000,00         6           Adamonse         Storm Pump, outing Systems         5,0,720,00 GSF         0,15         3           Adamonse         Light Stormaers         5,0,720,00 GSF         0,65         0,40         2							,	4,822.00
seconds         Elevator Sum Purp. oi mindre type         1.00 EA         6.550.00           seconds         DWW Pping         50.720.00 GSF         2.69         1.76         88           seconds         DWW Pping         50.720.00 GSF         0.84         7.76         88           seconds         DWW Pping         50.720.00 GSF         0.81         44           seconds         Coordination Drawings         50.720.00 GSF         0.81         44           seconds         Tie into Existing Plumbing Systems         1.00 LS         2.650.00         66           seconds         9.30         FIRE SPRINKLER         Sprinkler         50.720.00 GSF         0.85         0.42         1           seconds         9.30         FIRE SPRINKLER         Sprinkler         50.720.00 GSF         0.65         3           seconds         9.30         ELECTRICAL         Switchboards - modify existing         50.720.00 GSF         0.65         3           seconds         Light Switches         50.720.00 GSF         0.65         3           seconds         Light Switches         50.720.00 GSF         0.65         3           seconds         Light Switches         50.720.00 GSF         0.50         1           seco				<b>e</b> ,				12,500.00
boomesis         Domesis         Waier Piping         50,720.00 GSF         2.66         1.76         88           boomesis         Storm Piping         50,720.00 GSF         1.48         77           boomesis         Storm Piping         50,720.00 GSF         0.81         44           boomesis         Storm Piping         50,720.00 GSF         0.22         1           boomesis         Storm Piping         50,720.00 GSF         0.22         1           boomesis         Storm Piping         50,720.00 GSF         0.22         1           boomesis         Storm Piping         1.00 LS         65,000.00         6           boomesis         Store Piping         1.00 LS         65,000.00         6           boomesis         Store Piping         1.00 LS         65,000.00         6           boomesis         Store Piping         1.00 LS         65,000.00         5         3           boomesis         Store Piping         1.00 LS         65,000.00         5         3           boomesis         Store Piping         1.00 LS         65,000.00         5         3           boomesis         Light Titures - boased on T6 futures         50,720.00 GSF         0.65         3							,	6,550.00
Downess         DWV Piping         50,720,00 GSF         1,76         8           Storm Piping         50,720,00 GSF         1,48         7           Approves         Piumbing Insulation         50,720,00 GSF         0,41         4           Approves         Tite into Existing Plumbing Systems         50,720,00 GSF         0,22         1           Approves         Tite into Existing Plumbing Systems         1,00 LS         2,650,00         6           Approves         Sprinkler         Sprinkler         50,720,00 GSF         2,85         14           Approves         Sprinkler         Sprinkler         50,720,00 GSF         2,85         14           Approves         Sprinkler         Sprinkler         50,720,00 GSF         0,85         3           Approves         Sprinkler         Sprinkler         Sprinkler         50,720,00 GSF         0,45         3           Approves         Bane Ducards         Sprinkler         Sprinkler         Sprinkler         50,720,00 GSF         0,45         3           Approves         Light Switches         Sprinkler         Sprinkler         50,720,00 GSF         0,45         2           Approves         Light Switches         Sprinkler         Sprinkler         Sprinkler<							,	136,436.80
searnoss         Storn Pipring         50,720,00 GSF         1.48         7           searnoss         Coordination Drawings         50,720,00 GSF         0.22         1           searnos         1.00 LS         2,650,00         2,250,00         1           searnos         1.00 LS         65,000,00         65         0.22         1           searnos         1.00 LS         65,000,00         65         0.02         1           searnos         1.00 LS         65,000,00         65         0.05         1           searnos         Sprinkler         50,720,00 GSF         0.15         1           searnos         Searnos         50,720,00 GSF         0.40         2           searnos         1.00 EA         55,000,00         55         2.40           searnos         Searnos         50,720,00 GSF         0.25         1								89,267.20
weenness         Plumbing Insulation         50,720.00 GSF         0.81         4           weenness         Tie into Existing Plumbing Systems         50,720.00 GSF         0.22         1           weenness         Tie into Existing Plumbing Systems         1.00 LS         2,650.00         1           weenness         Son 720.00 GSF         2.85         14           weenness         Son 720.00 GSF         2.85         14           weenness         Son 720.00 GSF         0.85         0.15           weenness         Son 720.00 GSF         0.15         5           weenness         Son 720.00 GSF         0.43         3           weenness         Son 720.00 GSF         0.43         3           weenness         Son 720.00 GSF         0.43         3           weenness         Son 720.00 GSF         0.43         2           weenness         Light Shutrers         Son 720.00 GSF         0.43         2           weenness         Light Shutrers         Son 720.00 GSF         0.43         2           weenness         Power Outlets         Son 720.00 GSF         0.50         2           weenness         Power Outlets & Disconnets         Son 720.00 GSF         0.50         2								75,065.60
beennows         Coordination Drawings         50,720.00 GSF         0.22         1           weennows         1.00 LS         2,650.00         2           weennows         50,720.00 GSF         2.85         14           weennows         50,720.00 GSF         0.25         2.85           weennows         1.00 LS         65,000.00         65           weennows         50,720.00 GSF         0.15         50,720.00 GSF         0.45         3           weennows         Fanelboards - modify existing         50,720.00 GSF         0.45         3           weennows         Generator/ATS - for addition & fire pump         1.00 LS         65,000.00         5           weennows         Cenerator/ATS - for addition & fire pump         1.00 EA         55,02.00         65F         0.43         24           weennows         Light Fixtures - based on T8 fixtures         50,720.00 GSF         0.45         24           weennows         Safety Cabinets & Disconnects         50,720.00 GSF         0.45         24           weennows         Safety Cabinets & Disconnects         50,720.00 GSF         0.45         24           weennows         Light Fixtures - based on T8 fixtures         50,720.00 GSF         0.45         24								41,083.20
Additionals         Price SPRINKLER         Sprinkler         50,720.00 GSF         2.85         14           Additionals         Fire Pump         1.00 LS         65,000.00         66           Additionals         Switchboards - modify existing         50,720.00 GSF         0.15           Additionals         Switchboards - modify existing         50,720.00 GSF         0.40         2           Additionals         Bus Duck at Transformers         50,720.00 GSF         0.40         2           Additionals         Generator/ATS         50,720.00 GSF         0.40         2           Additionals         Generator/ATS         50,720.00 GSF         0.26         1           Additionals         Light Fixtures - based on 78 fixtures         50,720.00 GSF         0.26         1           Additionals         Power Outlets         50,720.00 GSF         0.26         1           Additionals         Power Outlets         50,720.00 GSF         0.26         1           Additionals         Power Outlets         50,720.00 GSF         0.26         1           Additionals         Forey Home Runs         50,720.00 GSF         0.26         1           Additionals         Forey Home Runs         50,720.00 GSF         0.26         1								11,158.40
9.30         FIRE SPRINKLER         Sprinkler         Sprinkler         Sprinkler         Sprinkler         Sprinkler         State           kaarnows         Fire Pump         1.00 LS         65,000.00 GSF         0.6           kaarnows         Panelboards - modify existing         50,720.00 GSF         0.15         3           kaarnows         Bus Dure & Transformers         50,720.00 GSF         0.46         5           kaarnows         Bus Dure & Transformers         50,720.00 GSF         0.40         2           kaarnows         Generator/ATS - for addition & fire pump         1.00 EA         55,000.00         5           kaarnows         Light Fixtures         50,720.00 GSF         0.48         5         24           kaarnows         Light Fixtures         50,720.00 GSF         0.57         2.60         1           kaarnows         Safety Cabinets & Disconnects         50,720.00 GSF         0.50         22         11           kaarnows         Power Outlets         50,720.00 GSF         0.57         2.60         12           kaarnows         Power Heeders         50,720.00 GSF         0.50         2.20         11           kaarnows         Lighting Branches         50,720.00 GSF         0.25         1.5	ADDITIONS			Tie into Existing Plumbing Systems	1.0	0 LS	2,650.00	2,650.00
ADDITIONS         Fire Pump         1.00 LS         65,000.00         6           ADDITIONS         Switchboards - modify existing         50,720.00 GSF         0.65         3           ADDITIONS         Bus Duret & Transformers         50,720.00 GSF         0.65         3           ADDITIONS         Bus Duret & Transformers         50,720.00 GSF         0.46         3           ADDITIONS         Generator/TS - for addition & fire pump         1.00 EA         55,000.00         55           ADDITIONS         Generator/TS - for addition & fire pump         1.00 EA         55,000.00         55           ADDITIONS         Light Fixtures - based on T8 fixtures         50,720.00 GSF         0.26         11           ADDITIONS         Safety Cabinets & Disconnects         50,720.00 GSF         0.50         2           ADDITIONS         Power Home Runs         50,720.00 GSF         0.50         2           ADDITIONS         Power Home Runs         50,720.00 GSF         1.15         5           ADDITIONS         Lighting Home Runs         50,720.00 GSF         0.45         2           ADDITIONS         Clock System         50,720.00 GSF         0.45         2           ADDITIONS         Corounding/Lightring Protection         50,720.00 GSF	ADDITIONS							
Name         Switchboards - modify existing         50,720.00         GSF         0.15           kaomovs         Bus Ducit & Transformers         50,720.00         GSF         0.40         25           kaomovs         Bus Ducit & Transformers         50,720.00         GSF         0.40         25           kaomovs         Generator/ATS - for addition & fire pump         1.00         EA         55,000.00         55           kaomovs         Light Fixtures - based on T8 fixtures         50,720.00         GSF         4.85         24           kaomovs         Light Switches         50,720.00         GSF         4.85         24           kaomovs         Power Outlets         50,720.00         GSF         0.95         4           kaomovs         Power Outlets         50,720.00         GSF         2.50         12           kaomovs         Power Home Runs         50,720.00         GSF         2.20         11           kaomovs         Power Home Runs         50,720.00         GSF         1.15         5           kaomovs         Lighting Home Runs         50,720.00         GSF         1.05         5           kaomovs         Lighting Home Runs         50,720.00         GSF         0.45         2.9<	ADDITIONS	9.30	FIRE SPRINKLER	Sprinkler	50,720.00	0 GSF	2.85	144,552.00
10.00         ELECTRICAL         Switchboards - modify existing         50,720.00         GSF         0.15           boomrows         Baneboards         50,720.00         GSF         0.46         3           boomrows         Bus Duct & Transformers         50,720.00         GSF         0.46         3           boomrows         Generator/ATS - for addition & fire pump         1.00         EA         55,000.00         5           boomrows         Light Fixtures - based on T8 fixtures         50,720.00         GSF         0.46         1           boomrows         Light Switches         50,720.00         GSF         0.56         4           boomrows         Light Switches         50,720.00         GSF         0.56         4           boomrows         Light Switches         50,720.00         GSF         0.56         2         12           boomrows         Power Outlets         Solozono GSF         0.56         2         12	ADDITIONS			Fire Pump	1.0	0 LS	65,000.00	65,000.00
bornows         50,720.00 GSF         0.65         3           bornows         Bus Duck & Transformers         50,720.00 GSF         0.40         2           bornows         Generator/ATS - for addition & fire pump         1.00 EA         55,000.00 GSF         4.85           bornows         Light Fixtures - based on TB fixtures         50,720.00 GSF         4.85         24           bornows         Light Fixtures - based on TB fixtures         50,720.00 GSF         0.26         1           bornows         Dower Outlets         50,720.00 GSF         0.55         24           bornows         Dower Feeders         50,720.00 GSF         0.50         22           bornows         Power Home Runs         50,720.00 GSF         2.50         12           bornows         Power Home Runs         50,720.00 GSF         1.15         5           bornows         Power Home Runs         50,720.00 GSF         1.05         5           bornows         Grounding/Lighting Protection         50,720.00 GSF         1.05         5           bornows         Grounding/Lighting Protection         50,720.00 GSF         1.05         5           bornows         Clock System         50,720.00 GSF         0.46         2           bornows <td>ADDITIONS</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	ADDITIONS							
bornows         50,720.00 GSF         0.40         2           coornows         Generator/ATS- for addition & fire pump         1.00 EA         55,000.00         55           bornows         Light Fixtures - based on T8 fixtures         50,720.00 GSF         0.48         24           bornows         Light Switches         50,720.00 GSF         0.48         24           bornows         Dever Outlets         50,720.00 GSF         0.26         14           bornows         Safety Cabinets & Disconnects         50,720.00 GSF         0.50         22           bornows         Power Home Runs         50,720.00 GSF         2.50         12           bornows         Power Home Runs         50,720.00 GSF         0.45         54           bornows         Lighting Branches         50,720.00 GSF         0.45         54           bornows         Lighting Branches         50,720.00 GSF         0.45         55           bornows         Grounding/Lighting Protection         50,720.00 GSF         0.45         24           bornows         Goord System         50,720.00 GSF         0.45         24           bornows         Phone/Data System         50,720.00 GSF         0.45         24           bornows         Coordina	ADDITIONS	10.00	ELECTRICAL	Switchboards - modify existing				7,608.00
Separtmons         Generator/ATS - for addition & fire pump         1.00 EA         55,000.00         5           Separtmons         Light Switches         50,720.00 GSF         4.85         2.46           Separtmons         Power Outlets         50,720.00 GSF         0.95         4.85         2.45           Separtmons         Power Outlets         50,720.00 GSF         0.95         4.85         2.45           Separtmons         Safety Cabinets & Disconnects         50,720.00 GSF         2.50         12           Separtmons         Power Feeders         50,720.00 GSF         2.20         11           Separtmons         Power Branches         50,720.00 GSF         2.20         11           Separtmons         Lighting Home Runs         50,720.00 GSF         1.5         5           Separtmons         Lighting Home Runs         50,720.00 GSF         1.05         5           Separtmons         Lighting Home Runs         50,720.00 GSF         0.45         2           Separtmons         Lighting Home Runs         50,720.00 GSF         0.45         2           Separtmons         Clock System         50,720.00 GSF         0.45         2           Separtmons         P.A.& A.V. Systems         50,720.00 GSF         0.55								32,968.00
Nonmovs         Light Fixtures - based on T8 fixtures         50,720.00 GSF         4.85         24           Nonmovs         Light Switches         50,720.00 GSF         0.26         1           Nonmovs         Safety Cabinets & Disconnects         50,720.00 GSF         0.50         22           Nonmovs         Safety Cabinets & Disconnects         50,720.00 GSF         2.50         12           Nonmovs         Power Feeders         50,720.00 GSF         2.50         12           Nonmovs         Power Home Runs         50,720.00 GSF         1.51         55           Nonmovs         Power Home Runs         50,720.00 GSF         1.15         55           Nationovs         Lighting Home Runs         50,720.00 GSF         1.15         55           Nationovs         Lighting Protection         50,720.00 GSF         1.05         55           Nationovs         Clock System         50,720.00 GSF         0.45         24           Nationovs         Pone/Data System         50,720.00 GSF         0.45         24           Nationovs         Pone/Data System         50,720.00 GSF         0.49         4           Nationovs         P.A. & A.V. System         50,720.00 GSF         0.29         1           Natomovs	ADDITIONS							20,288.00
Nontrons         Light Switches         50,720.00 GSF         0.26         1           Nontrons         Power Outlets         50,720.00 GSF         0.95         4           Nontrons         Safety Cabinets & Disconnects         50,720.00 GSF         0.50         22           Nontrons         Power Feeders         50,720.00 GSF         2.50         12           Nontrons         Power Feeders         50,720.00 GSF         2.20         11           Nontrons         Power Feeders         50,720.00 GSF         2.20         11           Nontrons         Power Feeders         50,720.00 GSF         2.20         11           Nontrons         Lighting Branches         50,720.00 GSF         1.5         5           Nontrons         Grounding/Lighting Protection         50,720.00 GSF         0.45         2           Nontrons         Clock System         50,720.00 GSF         0.45         2           Nontrons         Security System         50,720.00 GSF         0.45         2           Nontrons         Security System         50,720.00 GSF         0.45         2           Nontrons         P.A. & A.V. Systems         50,720.00 GSF         0.45         2           Nontrons         Coordination Drawings </td <td>ADDITIONS</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>55,000.00</td>	ADDITIONS							55,000.00
Deprine         Power Outlets         50,720.00         GSF         0.95         4           Lobritows         Safety Cabinets & Disconnects         50,720.00         GSF         0.50         22           Lobritows         Power Feeders         50,720.00         GSF         2.50         12           Lobritows         Power Home Runs         50,720.00         GSF         2.20         11           Lobritows         Power Branches         50,720.00         GSF         2.20         11           Lobritows         Lighting Home Runs         50,720.00         GSF         0.85         44           Lobritows         Lighting Branches         50,720.00         GSF         0.45         5           Lobritows         Clock System         50,720.00         GSF         0.45         2           Lobritows         Phone/Data System         50,720.00         GSF         0.29         1 <t< td=""><td></td><td></td><td></td><td>6</td><td></td><td></td><td></td><td>245,992.00</td></t<>				6				245,992.00
Safety Cabinets & Disconnects         50,720.00         GSF         0.50         2           Safety Cabinets & Disconnects         Power Feeders         50,720.00         GSF         2.50         12           Safety Cabinets & Disconnects         Power Home Runs         50,720.00         GSF         2.20         11           Safety Cabinets & Disconnects         Power Home Runs         50,720.00         GSF         0.85         44           Safety Cabinets & Disconnects         Eighting Home Runs         50,720.00         GSF         1.15         55           Safety Cabinets & Disconnects         Grounding/Lighting Protection         50,720.00         GSF         1.05         55           Safety Cabinets & Statem         50,720.00         GSF         1.05         55         50				6				13,187.20
Nontrons         50,720.00 GSF         2.50         12           Nontrons         Power Home Runs         50,720.00 GSF         2.20         11           Nontrons         Power Branches         50,720.00 GSF         2.20         11           Nontrons         Lighting Home Runs         50,720.00 GSF         1.15         55           Nontrons         Lighting Home Runs         50,720.00 GSF         1.15         55           Nontrons         Cighting Branches         50,720.00 GSF         0.05         51           Nontrons         Grounding/Lighting Protection         50,720.00 GSF         0.05         2.90           Nontrons         Clock System         50,720.00 GSF         0.04         4           Nontrons         Phone/Data System         50,720.00 GSF         0.94         4           Nontrons         PA         A.V. System         50,720.00 GSF         0.94         4           Nontrons         PA         A.V. System         50,720.00 GSF         0.94         4           Nontrons         PA         A.V. System         50,720.00 GSF         0.93         14           Nontrons         Price Alarm         50,720.00 GSF         0.92         1           Nontrons         Tre In								48,184.00
Notified State         Power Home Runs         50,720.00         GSF         2.20         11           Notified State         Power Branches         50,720.00         GSF         0.85         4           Notified State         Lighting Home Runs         50,720.00         GSF         0.85         4           Notified State         Lighting Branches         50,720.00         GSF         1.05         5           Notified State         Grounding/Lightning Protection         50,720.00         GSF         0.25         1           Notified State         Clock System         50,720.00         GSF         0.45         2           Notified State         Phone/Data System         50,720.00         GSF         0.94         4           Notified State         P.A. & A.V. Systems         50,720.00         GSF         0.94         4           Notified State         P.A. & A.V. Systems         50,720.00         GSF         0.94         4           Notified State         P.A. & A.V. Systems         50,720.00         GSF         0.94         4           Notified State         Tis Into Existing Electrical Systems         50,720.00         GSF         0.22         1           Notified Nate         Coordination Drawings <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>25,360.00</td></t<>								25,360.00
NONTIONS         Power Branches         50,720.00 GSF         0.85         4           NONTIONS         Lighting Home Runs         50,720.00 GSF         1.15         55           NONTIONS         Lighting Branches         50,720.00 GSF         1.05         55           NONTIONS         Grounding/Lightning Protection         50,720.00 GSF         0.25         1           NONTIONS         Grounding/Lightning Protection         50,720.00 GSF         0.45         2           NONTIONS         Clock System         50,720.00 GSF         0.45         2           NONTIONS         Phone/Data System         50,720.00 GSF         0.45         2           NONTIONS         Prover Branches         50,720.00 GSF         0.45         2           NONTIONS         Phone/Data System         50,720.00 GSF         0.45         2           NONTIONS         P.A. & A.V. Systems         50,720.00 GSF         0.55         2           NONTIONS         TV System         50,720.00 GSF         0.22         1           NONTIONS         Coordination Drawings         50,720.00 GSF         0.22         1           NONTIONS         Tie into Existing Electrical Systems         1.00 LS         5,500.00         1.00           NONTIONS </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>126,800.00</td>								126,800.00
Lighting Home Runs       50,720.00 GSF       1.15       55         Lighting Branches       50,720.00 GSF       1.05       55         Lighting Branches       50,720.00 GSF       0.05       1         Lighting Protection       50,720.00 GSF       0.05       1         Lighting Protection       50,720.00 GSF       0.05       2         Lighting Protection       50,720.00 GSF       0.45       2         Lighting Protection       50,720.00 GSF       0.55       2         Lighting Protection       50,720.00 GSF       0.29       1         Lighting Electrical System       50,720.00 GSF       0.29       1         Lighting Electrical Systems       50,720.00 GSF       0.29       1         Lighting Electrical Systems       1.00 LS       5,500.00       1         Lighting Electrical Systems       1.00 LS       5,500.00       1         Lighting Electrical Systems       1.00 LS       5,500								111,584.00 43,112.00
Lighting Branches         50,720.00 GSF         1.05         55           Dommons         Grounding/Lightning Protection         50,720.00 GSF         0.25         1           Dommons         Clock System         50,720.00 GSF         0.25         1           Dommons         Clock System         50,720.00 GSF         2.90         14           Dommons         Phone/Data System         50,720.00 GSF         2.90         14           Dommons         Security System         50,720.00 GSF         0.94         4           Dommons         Security System         50,720.00 GSF         0.94         4           Dommons         P.A. & A.V. Systems         50,720.00 GSF         0.55         2           Dommons         TV System         50,720.00 GSF         0.88         9           Dommons         TV System         50,720.00 GSF         0.22         1           Dommons         Coordination Drawings         50,720.00 GSF         0.22         1           Dommons         Tie into Existing Electrical Systems         1.00 LS         5,500.00         1           Dommons         General Conditions         12.00%         1,07         1,07           Dommons         General Conditions         12.00%								58,328.00
Bornovs         Grounding/Lightning Protection         50,720.00 GSF         0.25         1           Jobritovs         Clock System         50,720.00 GSF         0.45         2           Jobritovs         Phone/Data System         50,720.00 GSF         0.45         2           Jobritovs         Scored System         50,720.00 GSF         0.94         4           Jobritovs         Scored System         50,720.00 GSF         0.94         4           Jobritovs         P.A. & A.V. Systems         50,720.00 GSF         0.94         4           Jobritovs         TV System         50,720.00 GSF         0.55         2           Jobritovs         TV System         50,720.00 GSF         0.89         1.88         9           Jobritovs         Coordination Drawings         50,720.00 GSF         0.22         1           Jobritovs         General Conditions         1.00 LS         5,500.00         1           Jobritovs         General Conditions <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>53,256.00</td>								53,256.00
DDITIONS         50,720.00 GSF         0.45         2           DDITIONS         Phone/Data System         50,720.00 GSF         2.90         14           DDITIONS         Security System         50,720.00 GSF         0.94         4           DDITIONS         Security System         50,720.00 GSF         0.94         4           DDITIONS         Security System         50,720.00 GSF         0.94         4           DDITIONS         DOITONS         50,720.00 GSF         0.94         4           DDITIONS         TV System         50,720.00 GSF         0.55         2           DDITIONS         TV System         50,720.00 GSF         0.29         1           DDITIONS         Coordination Drawings         50,720.00 GSF         0.22         1           DDITIONS         Tie into Existing Electrical Systems         1.00 LS         5,500.00         1           DDITIONS         General Conditions         12.00%         1,00         1,00           DDITIONS         General Conditions         12.00%         1,00         1,00           DDITIONS         General Conditions         10.00%         1,00         1,00           DDITIONS         General Conditions         10.00%         1,00								12,680.00
Notificities         Phone/Data System         50,720.00         GSF         2.90         14           Notificities         Security System         50,720.00         GSF         0.94         4           Notificities         P.A. & A.V. System         50,720.00         GSF         0.94         4           Notificities         P.A. & A.V. System         50,720.00         GSF         0.94         4           Notificities         50,720.00         GSF         0.94         4           Notificities         50,720.00         GSF         0.94         4           Notificities         50,720.00         GSF         0.29         1           Notificities         Coordination Drawings         50,720.00         GSF         0.22         1           Notificities         Coordination Drawings         50,720.00         GSF         0.22         1           Notificities         Coordination Drawings         50,720.00         GSF         0.22         1           Notificities         Subtotal         1.00         LS         5,500.00         1           Notificities         Subtotal         12.00%         1,07         1,07           Notificities         General Conditions         12.00%								22.824.00
borrrows         50,720.00 GSF         0.94         4           borrrows         P.A. & A.V. Systems         50,720.00 GSF         0.55         2           borrrows         TV System         50,720.00 GSF         0.55         2           borrrows         TV System         50,720.00 GSF         0.55         2           borrrows         TV System         50,720.00 GSF         1.02         1           borrrows         Sorrrows         50,720.00 GSF         1.88         9           borrrows         Coordination Drawings         50,720.00 GSF         0.22         1           borrrows         Tie into Existing Electrical Systems         1.00 LS         5,500.00         5,500.00           borrrows         Subtotal         5,500.00         5,500.00         1,07           borrows         Subtotal         10,00         1,07           borrows         Subtotal         10,00         10,00           borrows         GC OH @ 5% plus Profit @ 5%         10,00         10,00           borrows         Subtotal         11,00         11,00           borrows         Bonds & insurance         11,25%         13								147,088.00
NDDITIONS         P.A. & A.V. Systems         50,720.00 GSF         0.55         2           NDDITIONS         TV System         50,720.00 GSF         0.29         1           NDDITIONS         Fire Alarm         50,720.00 GSF         0.29         1           NDDITIONS         Coordination Drawings         50,720.00 GSF         0.29         1           NDDITIONS         Coordination Drawings         50,720.00 GSF         0.22         1           NDDITIONS         Tie into Existing Electrical Systems         1.00 LS         5,500.00           NDDITIONS         General Conditions         1.00 LS         5,500.00           NDDITIONS         General Conditions         12.00%         1,07           NDDITIONS         Subtotal         10,00         10,00           NDDITIONS         GC OH @ 5% plus Profit @ 5%         10.00%         10,00           NDDITIONS         Subtotal         10,00         10,00           NDDITIONS         Subtotal         11,00         10,00           NDDITIONS         Subtotal         11,00         10,00           NDITIONS         Subtotal         11,00         11,00								47,676.80
Built Number         Fire Ålarm         50,720.00 GSF         1.88         9           Domotives         Coordination Drawings         50,720.00 GSF         0.22         1           Domotives         Tie into Existing Electrical Systems         1.00 LS         5,500.00         1           Domotives         11.00 MARK-UPS         Subtotal         8,93         8,93         8,93           Domotives         General Conditions         12.00%         1,07         8,93           Domotives         Subtotal         10,000         10,000         10,000           Domotives         General Conditions         12.00%         10,000								27,896.00
DDITIONS         Coordination Drawings         50,720.00         GSF         0.22         1           DDITIONS         Tie into Existing Electrical Systems         1.00 LS         5,500.00         5,500.00           DDITIONS         DITIONS         Subtotal         8,93         6,933	DDITIONS			TV System	50,720.00	0 GSF	0.29	14,708.80
Internet         Tie into Existing Electrical Systems         1.00 LS         5,500.00           ubminovs         .00 MARK-UPS         Subtotal         8,93           ubminovs         General Conditions         12.00%         1,07           ubminovs         Subtotal         10,000         10,000           ubminovs         GC OH @ 5% plus Profit @ 5%         10.00%         10,000           ubminovs         Subtotal         10,000         10,000           ubminovs         Subtotal         10,000         10,000           ubminovs         Subtotal         10,000         10,000           ubminovs         Subtotal         11,000         11,000           ubminovs         Bonds & insurance         12,25%         13	DITIONS							95,353.60
NODITIONS     Subtotal     8,93       NODITIONS     General Conditions     12.00%     1,07       NODITIONS     Subtotal     10,00       NODITIONS     GC OH @ 5% plus Profit @ 5%     10.00%     10,00       NODITIONS     Subtotal     11,00       NODITIONS     Subtotal     11,00       NODITIONS     Bonds & insurance     12.5%     13	DDITIONS							11,158.40
bit Intow         Name K-UPS         Subtotal         8,93           bit Intows         General Conditions         12.00%         1,07           bit Intows         Subtotal         10,00           bit Intows         GC OH @ 5% plus Profit @ 5%         10.00%         10,00           bit Intows         GC OH @ 5% plus Profit @ 5%         10,00%         11,00           bit Intows         Subtotal         11,00         11,00           bit Intows         Bonds & insurance         1.25%         13	DDITIONS			Tie into Existing Electrical Systems	1.0	0 LS	5,500.00	5,500.00
General Conditions         12.00%         1,07           NDDITIONS         Subtotal         10,00           NDDITIONS         GC OH @ 5% plus Profit @ 5%         10.00%         1,00           NDDITIONS         SUbtotal         10,00%         1,00           NDDITIONS         Subtotal         11,00         11,00           NDDITIONS         Bonds & insurance         1.25%         13								
Subtral         10,00           ADDITIONS         GC OH @ 5% plus Profit @ 5%         10.00%         1,00           ADDITIONS         Subtral         11,00         11,00           ADDITIONS         Bonds & insurance         1.25%         13	ADDITIONS	11.00	MARK-UPS					8,930,020.35
DDITIONS         GC OH @ 5% plus Profit @ 5%         10.00%         1,00           DDITIONS         Subtotal         11,00         11,00           DDITIONS         Bonds & insurance         1.25%         13					12.00%	6		1,071,602.44
Subtrain         Subtrain         11,00           IDDITIONS         Bonds & insurance         1.25%         13								10,001,622.79
bornovs Bonds & insurance 1.25% 1				•	10.00%	6		1,000,162.28
					,			11,001,785.07
DDITIONS 50.720.00 GSF \$219.62 11.13							¢040.00	137,522.3 <sup>2</sup> 11,139,307.38
	ADDITIONS			Bonds & insurance Subtotal			\$219.62	

LOC REF	SYS # UNIFORMAT SYSTEM	www.downeyscott.com SPECIFICATION	QUANTITY	U/M	UNIT COST	EXTENSIO	
Location: Documents Dated:	Arlington Public Schools Feb. 3, 2012	Warrenton, Virginia 20187 Ph 540.347.5001 Fax 540.347.5021	Submissn: Run Date:	Feb. 10, 2012 See footer		Job no: 12002	
Project:	Reed School Feasibility Study	6799 Kennedy Road, Suite F	Client:	SHW Group		Chckd by: bd/sm	
Report:	Feasibility Study Const Cost Estimate	Prepared by: Downey & Scott, LLC	Status:	Concept Design		PM: ct/gs	

#### HARD CONSTRUCTION COSTS BASE BID IN CURRENT MARKET DOLLARS

		C		
BUILDING RENOVATION		18,880 GSF	<u>\$128.95</u>	2,434,566
SUBTOTAL	SUBTOTAL			2,434,566
ESCALATION TO BID	REFER TO MAIN SUMMARY	0.00%		0
SUBTOTAL	SUBTOTAL			2,434,566
DESIGN CONTINGENCY	REFER TO MAIN SUMMARY	0.00%		0
RENOVATION TOTAL	RENOVATION TOTAL			2,434,566
		C	ost per SF	
			<u>\$128.95</u>	

Report: Project: Location: Documents Dated:	Reed Scho	Study Const Cost Estimate ool Feasibility Study Public Schools 12	Prepared by: Downey & Scott, LLC 6799 Kennedy Road, Suite F Warrenton, Virginia 20187 Ph 540.347.5001 Fax 540.347.5021 www.downeyscotl.com	Status: Client: Submissn: Run Date:	Concept D SHW Group Feb. 10, 20 See footer	)12	PM: ct/gs Chckd by: bd/sm Job no: 12002
LOC REF	SYS #	UNIFORMAT SYSTEM	SPECIFICATION	QUANTITY	U/M	UNIT COST	EXTENSION

BUILDING RENOVATION	00.00		BUILDING RENOVATIONS			
BUILDING RENOVATION	00.00		BOIEDING RENOVATIONS			
BUILDING RENOVATION	00.50	SELECT BLDG, DEMO	Temp protection & cleaning	18,880.00 GSF	0.37	6,985.60
BUILDING RENOVATION	00.50	SELECT BEDG. DEMO	General architectural demo	18,880.00 GSF	3.15	59.472.00
BUILDING RENOVATION			Misc. demolition/prep/patch	18,880.00 GSF	1.05	19.824.00
BUILDING RENOVATION			Prem add for restroom demo	1.800.00 GSF	4.90	8.820.00
BUILDING RENOVATION			Floor cut & patch for plumbing changes	500.00 SF	12.00	6.000.00
BUILDING RENOVATION			Misc. demolition/prep/patch	18,880.00 GSF	0.60	11,328.00
BUILDING RENOVATION			Remove exist. plumbing	10,000.00 001	See Division 15	11,020.00
BUILDING RENOVATION			Remove exist, mechanical		See Divison 15	
BUILDING RENOVATION			Remove exist. lighting/electrical		See Divison 16	
BUILDING RENOVATION			Segregated debris disposal off site	349.63 CY	30.00	10.488.89
BUILDING RENOVATION			LEED Disposal Fee / Recycling	174.81 TNS	37.00	6,468,15
BUILDING RENOVATION			Hazmat abatement - asbestos		Costs are Excluded	-,
BUILDING RENOVATION			Hazmat abatement - lead		Costs are Excluded	
BUILDING RENOVATION						
BUILDING RENOVATION						
BUILDING RENOVATION	01.00	FOUNDATIONS	Foundations		Existing to remain	
BUILDING RENOVATION						
BUILDING RENOVATION						
BUILDING RENOVATION	02.00	SUBSTRUCTURE	Minor SOG repairs allowance	18,880.00 GSF	0.20	3,776.00
BUILDING RENOVATION						
BUILDING RENOVATION						
BUILDING RENOVATION	03.00	SUPERSTRUCTURE	Roof framing for Mech penetrations	18,880.00 GSF	0.35	6,608.00
BUILDING RENOVATION			Misc metals	18,880.00 GSF	0.62	11,705.60
BUILDING RENOVATION			Misc Wood Blocking	18,880.00 GSF	0.06	1,132.80
BUILDING RENOVATION						
BUILDING RENOVATION	04.00	EXTERIOR CLOSURE	Window modifications		Existing to remain	
BUILDING RENOVATION			Door modifications		Existing to remain	
BUILDING RENOVATION			Exterior wall modifications	18,880.00 GSF	0.30	5,664.00
BUILDING RENOVATION			Exterior rake trims and fascia modifications		Existing to remain	
BUILDING RENOVATION			Excavate perimeter of existing building		None included	
BUILDING RENOVATION			Waterproof existing foundation		Existing to remain	
BUILDING RENOVATION			Building perimeter drains in gravel bed		Existing to remain	

Report: Project: Location: Documents Dated:	Feasibility Study Const Cost Estimate Reed School Feasibility Study Arlington Public Schools Feb. 3, 2012		Prepared by: Downey & Scott, LLC 6799 Kennedy Road, Suite F Warrenton, Virginia 20187 Ph 540.347.5001 Fax 540.347.5021 www.downeyscott.com	Status: Client: Submissn: Run Date:	Concept SHW Grou Feb. 10, See foot	up Chck 2012 Job I	: ct/gs ckd by: bd/sm o no: 12002	
LOC REF	SYS #	UNIFORMAT SYSTEM	SPECIFICATION	QUANTITY	U/M	UNIT COST	EXTENSION	
LUC REF	515#	UNIFORMATSTSTEM	SPECIFICATION	QUANTITY	U/IVI	UNIT COST	EXTENSION	
BUILDING RENOVATION BUILDING RENOVATION	05.00	ROOFING	Misc. patching for mechanical penetrations	18,880.00	) GSF	0.33	6,230.40	
BUILDING RENOVATION	06.00	INTERIOR CONST	Patch Masonry partitions allowance	18,880.00	GSF	0.65	12,272.00	
BUILDING RENOVATION	00100		Interior finishes	18.880.00		9.70	183,136.00	
BUILDING RENOVATION			Prem add for restroom finishes	1,800.00		12.40	22.320.00	
BUILDING RENOVATION			Thermal insulation	18.880.00		0.45	8,496.00	
BUILDING RENOVATION			Sound transmission control insulation	18,880.00		0.19	3,587.20	
BUILDING RENOVATION			Interior glazing	18,880.00		2.72	51,353.60	
BUILDING RENOVATION			Interior doors, single, incl jambs, trim & hardware	18,880.00		3.74	70,611.20	
BUILDING RENOVATION			Misc cut and patching	18,880.00	) GSF	0.30	5,664.00	
BUILDING RENOVATION								
BUILDING RENOVATION	07.00	SPECIAL EQUIPMENT	Div 10 specialties	18,880.00	) GSF	2.22	41,913.60	
BUILDING RENOVATION			Div 11 misc equipment	18,880.00	) GSF	0.50	9,440.00	
BUILDING RENOVATION			Div 12 furnishings	18,880.00	) GSF	2.85	53,808.00	
BUILDING RENOVATION			Smart boards			None included		
BUILDING RENOVATION			Kitchen / faculty lounge appliances allowance				0.00	
BUILDING RENOVATION			Student desks and work stations			Refer to FF&E		
BUILDING RENOVATION			Office furnishings, sofas and chairs			Refer to FF&E		
BUILDING RENOVATION								
BUILDING RENOVATION	08.00	CONVEYING	Section Not Used				0.00	
BUILDING RENOVATION								
BUILDING RENOVATION								
BUILDING RENOVATION	09.00	MECHANICAL HVAC	Relocate Existing HVAC Equipment	32,265.00		3.75	120,993.75	
BUILDING RENOVATION			Modify Existing Ductwork	32,265.00		5.80	187,137.00	
BUILDING RENOVATION			Equipment	18,880.00		6.75	127,440.00	
BUILDING RENOVATION			Piping & Valves - renovation		) GSF	4.20	0.00	
BUILDING RENOVATION			Ductwork	18,880.00		6.85	129,328.00	
BUILDING RENOVATION			Air Outlets	18,880.00		0.59	11,139.20	
BUILDING RENOVATION			Ductwork Accessories	18,880.00		0.72	13,593.60	
BUILDING RENOVATION			Insulation	18,880.00		1.95	36,816.00	
BUILDING RENOVATION			Temperature Controls	18,880.00		4.10	77,408.00	
BUILDING RENOVATION			Air & Water Balance	18,880.00		0.45	8,496.00	
BUILDING RENOVATION			Systems Operation & Testing	18,880.00		0.25	4,720.00	
BUILDING RENOVATION			HVAC Demolition	18,880.00	GSF	0.97	18,313.60	
BUILDING RENOVATION	9.20	PLUMBING	Water Closet	0.00	) EA	464.50	4.180.50	
UILDING RENOVATION	9.20	PLOWBING	Urinal		) EA	464.50 385.22	4,180.50	
UILDING RENOVATION			Automatic Flush Valve	12.00		163.20	1,958.40	
BUILDING RENOVATION			Lavatory, countertop mounted	10.00		313.85	3,138.50	
			Electric Water Cooler		) EA	1,163.50	1,163.50	
BUILDING RENOVATION			Janitor Sink		) EA	733.54	733.54	
BUILDING RENOVATION			Ice Machine/Refrigerator Connection		) EA	125.00	0.00	
UILDING RENOVATION			Floor Drain		) EA	168.60	674.40	
UILDING RENOVATION			Domestic Water Piping	18,880.00		2.69	50,787.20	
BUILDING RENOVATION			DWV Piping	18,880.00		1.76	33,228.80	
UILDING RENOVATION			Storm Piping	18,880.00		1.48	27,942.40	
UILDING RENOVATION			Plumbing Insulation	18,880.00		0.81	15,292.80	
UILDING RENOVATION			Plumbing Demolition	18,880.00		0.95	17,936.00	
UILDING RENOVATION				-,			,	
UILDING RENOVATION	9.30	FIRE SPRINKLER	Sprinkler	18,880.00	) GSF	2.85	53,808.00	
UILDING RENOVATION			Fire Pump			See Addition		
			•					

Report:	Feasibility	y Study Const Cost Estimate	Prepared by: Downey & Scott, LLC	Status:	Concept	Design	PM: ct/gs	5
Project:	Reed Sch	ool Feasibility Study	6799 Kennedy Road, Suite F	Client:	SHW Grou	ıp	Chckd by	/: bd/sm
ocation: Arlington Public Schools		Public Schools	Warrenton, Virginia 20187	Submissn:	Feb. 10,	2012	Job no: 1	2002
Documents Dated:	Feb. 3, 20	12	Ph 540.347.5001 Fax 540.347.5021	Run Date:	See foot	er		
			www.downeyscott.com					
LOC REF	SYS #	UNIFORMAT SYSTEM	SPECIFICATION	QUANTITY	U/M	UNIT COST		EXTENSIO
UILDING RENOVATION	40.00		Quitable and					
UILDING RENOVATION	10.00	ELECTRICAL	Switchboards			Existing to Re		
UILDING RENOVATION			Panelboards			Existing to Re		
UILDING RENOVATION			Bus Duct & Transformers			Existing to Re		
UILDING RENOVATION			Generator/Automatic Transfer Switches			Existing to Re		
UILDING RENOVATION			Light Fixtures	18,880.00		4.85		91,568
UILDING RENOVATION			Light Switches	18,880.00	) GSF	0.26		4,908
UILDING RENOVATION			Power Outlets	18,880.00	) GSF	0.95		17,936
UILDING RENOVATION			Safety Cabinets & Disconnects	18,880.00	) GSF	0.72		13,593
UILDING RENOVATION			Power Feeders			Existing to Re	main	
UILDING RENOVATION			Power Home Runs	18,880.00	) GSF	2.20		41,536
UILDING RENOVATION			Power Branches	18.880.00	) GSF	0.85		16.048
UILDING RENOVATION			Lighting Home Runs	18.880.00	) GSF	1.15		21,712
UILDING RENOVATION			Lighting Branches	18,880.00	GSF	1.05		19,824
UILDING RENOVATION			Grounding/Lightning Protection			Existing to Re		,
UILDING RENOVATION			Clock System	18,880.00	GSF	0.45		8.496
UILDING RENOVATION			Phone/Data System	18.880.00		2.90		54,752
UILDING RENOVATION			Security System	18.880.00		0.94		17.747
			P.A. & A.V. Systems	18.880.00		0.55		10,384
UILDING RENOVATION			TV System	18.880.0		0.55		5.475
UILDING RENOVATION			Fire Alarm	18.880.0		1.88		-, -
UILDING RENOVATION				- /				35,494
UILDING RENOVATION			Demolition	18,880.00	J GSF	0.94		17,747
UILDING RENOVATION	44.00	MARK 1150						
UILDING RENOVATION	11.00	MARK-UPS	Subtotal					1,951,712
UILDING RENOVATION			General Conditions	12.00%	6			234,205
UILDING RENOVATION			Subtotal					2,185,917
UILDING RENOVATION			GC OH @ 5% plus Profit @ 5%	10.00%	6			218,591
UILDING RENOVATION			Subtotal					2,404,509
UILDING RENOVATION			Bonds & insurance	1.25%	6			30,056
UILDING RENOVATION			Subtotal	18.880.00	GSF	\$128.95		2,434,565

Report: Project: Location: Documents Dated:	Reed Scho	Study Const Cost Estimate ol Feasibility Study Public Schools 12	Prepared by: Downey & Scott, LLC 6799 Kennedy Road, Suite F Warrenton, Virginia 20187 Ph 540.347.5001 Fax 540.347.5021 www.downeyscott.com	Status: Client: Submissn: Run Date:	Concept D <i>SHW Group</i> Feb. 10, 20 See footer	12	PM: ct/gs Chckd by: bd/sm Job no: 12002
LOC REF	SYS #	UNIFORMAT SYSTEM	SPECIFICATION	QUANTITY	U/M	UNIT COST	EXTENSION

#### HARD CONSTRUCTION COSTS

#### BASE BID IN CURRENT MARKET DOLLARS

SITEWORK			932,228
SUBTOTAL ESCALATION TO BID SUBTOTAL DESIGN CONTINGENCY RENOVATION TOTAL	SUBTOTAL REFER TO MAIN SUMMARY SUBTOTAL REFER TO MAIN SUMMARY RENOVATION TOTAL	0.00% 0.00%	932,228 0 932,228 0 932,228

Report: Project: Location: Documents Dated:	tt: Reed School Feasibility Study ion: Arlington Public Schools		Prepared by: Downey & Scott, LLC 6799 Kennedy Road, Suite F Warrenton, Virginia 20187 Ph 540.347.5001 Fax 540.347.5021 www.downeyscott.com	Status: Client: Submissn: Run Date:	Concept SHW Grou Feb. 10, 3 See foote	ιρ 2012	PM: ct/gs Chckd by: bd/sm Job no: 12002
LOC REF	SYS #	UNIFORMAT SYSTEM	SPECIFICATION	QUANTITY	U/M	UNIT COST	EXTENSION
SITEWORK			SITEWORK				
SITEWORK SITEWORK SITEWORK	12.00	TRAFFIC CONTROLS	Temporary traffic control measures Street cleaning		0 LS 0 LS	7,500.00 5,000.00	,
SITEWORK SITEWORK SITEWORK SITEWORK SITEWORK SITEWORK SITEWORK SITEWORK SITEWORK SITEWORK SITEWORK SITEWORK SITEWORK SITEWORK SITEWORK SITEWORK SITEWORK	12.05	SITE DEMO CLR/GRUB	Misc site clear & demo, moderate Misc site clear & demo, light Remove curb and gutter Remove CG11 entrance Remove sidewalks 4" thick Remove asphalt paving Demo asphalt paving at VDOT ROW Remove portions of existing SVM piping Remove existing utilities Remove gas meter Remove gas meter Remove gas line Remove contaminated soils Disposal of site elements Siltation controls, temp seed Tree protection allowance Inst & rem gravel construction entrances Inlet protection	1.6 370.0 1.0 13,500.0 944.4 833.5 1.0 1.0 1.0	0 EA 0 SF 4 SY Exclude Exclude Exclude Existing Existing Existing	ed ed g to Remain g to Remain	10,594.58 2,220.00 1,740.00 20,250.00 6,469.44 20,838.89 5,000.00 1,500.00 4,850.00
SITEWORK SITEWORK SITEWORK SITEWORK SITEWORK SITEWORK SITEWORK SITEWORK SITEWORK	12.20	EARTHWORK	Strip & store topsoil Re-spread topsoil Mass Excavation of site area, cut to fill Export surplus Rough grading for building and site Finish grading bldg pads and pavements Finish grading for play fields Ext backfill	648.1 648.1 1,000.0 750.0 107,000.0 5,833.3 9,555.5 45.0	5 CY 0 CY 0 CY 0 SF 3 SY 6 SY	2.80 3.60 8.00 24.00 0.55 1.00 1.35 30.00	2,333.33 8,000.00 18,000.00 58,850.00 5,833.33 12,900.00
SITEWORK SITEWORK	12.25	PRIMARY WATER	Existing to remain		0 LS	0.00	
SITEWORK SITEWORK	12.30	SANITARY SEWER	Existing to remain	0.0	0 LS	0.00	0.00

Report: Project: Location: Documents Dated:	Feasibility Study Const Cost Estimate Reed School Feasibility Study Arlington Public Schools Feb. 3, 2012		Prepared by: Downey & Scott, LLC 6799 Kennedy Road, Suite F Warrenton, Virginia 20187 Ph 540.347.5001 Fax 540.347.5021 www.downeyscott.com	Status: Client: Submissn: Run Date:	Concept SHW Grou Feb. 10, See foot	<i>up</i> () 2012 .	PM: ct/gs Chckd by: bd/sm Job no: 12002
LOC REF	SYS #	UNIFORMAT SYSTEM	SPECIFICATION	QUANTITY	U/M	UNIT COST	EXTENSION
LOC REF	313#	UNIFORMAT STSTEM	SPECIFICATION	QUANTIT	U/IVI	UNIT COST	EXTENSION
SITEWORK	12.35	STORM WATER MGT	Underground detention	5,000.00	CF	7.00	35,000.00
SITEWORK			12" RCP	400.00		36.00	14,400.00
SITEWORK			Storm structures	6.0	D EA	2,500.00	15,000.00
SITEWORK			BMP impact allowance		D LS	50,000.00	50,000.00
SITEWORK			Roof drain piping	75.0		25.00	1,875.00
SITEWORK			Mods & conn to existing		D LS	5,000.00	5,000.00
SITEWORK			Spoil removal	248.1	5 CY	25.00	6,203.70
SITEWORK							
SITEWORK	12.40	SITE ELECTRIC	Primary Transformer fee & set by Va Power		DVP Fe	es are Excluded	
SITEWORK			Ductbank and service cable into building			Existing to Rem	
SITEWORK			Parking lot light, base, conduit	8.0	D EA	3,250.00	26,000.00
SITEWORK							
SITEWORK	12.45	PRIMARY TELEPHONE	Assume brought to meter by utility company		Exclude	ed	
SITEWORK							
SITEWORK	12.50	PRIMARY GAS	Assume brought to meter by utility company		Exclude	ed	
SITEWORK							
SITEWORK	12.55	CABLE TV	Assume brought to meter by utility company		Exclude	ed	
SITEWORK							
SITEWORK	12.60	PAVING	Asphalt Pavement parking lot	2,888.8	9 SY	35.00	101,111.11
SITEWORK			Asphalt Pavement ROW patching	50.00		80.00	4,000.00
SITEWORK			Misc. patching at existing paving, incl striping	25.0	D SY	50.00	1,250.00
SITEWORK			Lot signage/symbols	1.0	D LS	1,500.00	1,500.00
SITEWORK			Striping	1.0	D LS	3,000.00	3,000.00
SITEWORK							
SITEWORK	12.61	SITE CONCRETE	4" sidewalks/pads	16,500.00	) SF	5.50	90,750.00
SITEWORK			Patch existing sidewalks	300.0	0 SF	8.00	2,400.00
SITEWORK			Curb & gutter	1,400.00	) LF	14.30	20,020.00
SITEWORK			CG11 entrances	2.0	D EA	2,500.00	5,000.00
SITEWORK							0.00
SITEWORK	12.65	LANDSCAPING	Sod	1,000.00	) SY	3.50	3,500.00
SITEWORK			General seeding	17,000.00	) SY	0.85	14,450.00
SITEWORK			Play area seeding	1,000.00	) SY	1.30	1,300.00
SITEWORK			Play area mulch	185.1	9 CY	43.75	8,101.85
SITEWORK			Landscape allowance	1.0	D LS	15,000.00	15,000.00
SITEWORK			·				
SITEWORK	12.70	FUEL DISPENSING	Not Used		Exclude	ed	
SITEWORK							
SITEWORK	12.75	SPECIALTIES	Relocate playground equipment	1.0	D LS	6,500.00	6,500.00
SITEWORK			Fence	160.0	) LF	25.00	4,000.00
SITEWORK			Backstop	1.0	D EA	9,000.00	9,000.00
SITEWORK			Dugout	2.0	D EA	6,500.00	13,000.00
SITEWORK			Chiller enclosure walls & gates	1,920.00		40.00	76,800.00
SITEWORK			Allowance	,	D LS	5,000.00	5,000.00
SITEWORK							
SITEWORK	11.00	MARK-UPS	Subtotal				747,336.64
SITEWORK			General Conditions	12.00%	6		89,680.40
SITEWORK			Subtotal				837,017.04
SITEWORK			GC OH @ 5% plus Profit @ 5%	10.00%	6		83,701.70
SITEWORK			Subtotal				920,718.74
SITEWORK			Bonds & insurance	1.25%	6		11,508.98
			Subtotal				932,227.73

Report: Project: Location: Documents Dated:	Reed Sch	y Study Const Cost Estimate nool Feasibility Study Public Schools 112	Prepared by: Downey & Scott, LLC 6799 Kennedy Road, Suite F Warrenton, Virginia 20187 Ph 540.347.5001 Fax 540.347.5021 www.downeyscott.com	Status: Client: Submissn: Run Date:	Concept I <i>SHW Group</i> Feb. 10, 2 See foote	012	PM: ct/gs Chckd by: bd/sm Job no: 12002
LOC REF	SYS #	UNIFORMAT SYSTEM	SPECIFICATION	QUANTITY	U/M	UNIT COST	EXTENSION
		HVAC ALTERNATE					
ADDITION HVAC BASE ADDITION HVAC BASE	09.00	MECHANICAL HVAC - Stand Alone System Note: Based on RTU equipment & VAV boxes with	HVAC Equipment Piping & Valves		) GSF	12.50 5.50	634,000.00 0.00
ADDITION HVAC BASE ADDITION HVAC BASE ADDITION HVAC BASE		electric heat.	Ductwork Air Outlets Ductwork Accessories	50,720.00 50,720.00 50,720.00	GSF	6.75 0.59 0.72	342,360.00 29,924.80 36,518.40
ADDITION HVAC BASE ADDITION HVAC BASE			Insulation Temperature Controls	50,720.00 50,720.00	) GSF ) GSF	2.15 4.10	109,048.00 207,952.00
ADDITION HVAC BASE ADDITION HVAC BASE ADDITION HVAC BASE ADDITION HVAC BASE			Air & Water Balance Coordination Drawings Systems Operation & Testing	50,720.00 50,720.00 50,720.00	) GSF	0.45 0.22 0.25	22,824.00 11,158.40 12,680.00
ADDITION HVAC BASE ADDITION HVAC BASE	11.00	MARK-UPS	Subtotal General Conditions Subtotal GC OH @ 5% plus Profit @ 5% Subtotal Bonds & insurance <b>Subtotal</b>	12.00% 10.00% 1.25% 50,720.00	6	\$34.59	1,406,465.60 168,775.87 1,575,241.47 157,524.15 1,732,765.62 21,659.57 <b>1,754,425.19</b>
ADDITION HVAC ALT ADDITION HVAC ALT ADDITION HVAC ALT ADDITION HVAC ALT ADDITION HVAC ALT	09.00	MECHANICAL HVAC - Geothermal	HVAC Equipment Piping & Valves Geothermal Bore, 55 bores at 600' depth Ductwork Air Outlets	50,720.00 50,720.00 33,000.00 50,720.00 50,720.00	) GSF ) LF ) GSF	13.75 4.20 22.50 5.85 0.59	697,400.00 213,024.00 742,500.00 296,712.00 29.924.80
ADDITION HVAC ALT ADDITION HVAC ALT ADDITION HVAC ALT ADDITION HVAC ALT ADDITION HVAC ALT ADDITION HVAC ALT			Ductwork Accessories Insulation Temperature Controls Air & Water Balance Coordination Drawings Systems Operation & Testing	50,720.00 50,720.00 50,720.00 50,720.00 50,720.00 50,720.00	) GSF ) GSF ) GSF ) GSF ) GSF	0.72 1.95 4.10 0.45 0.22 0.25	36,518.40 98,904.00 207,952.00 22,824.00 11,158.40 12,680.00
ADDITION HVAC ALT ADDITION HVAC ALT	11.00	MARK-UPS	Subtotal General Conditions Subtotal GC OH @ 5% plus Profit @ 5% Subtotal Bonds & insurance <b>Subtotal</b>	12.00% 10.00% 1.25% 50,720.00	, , ,	\$58.28	2,369,597.60 284,351.71 2,653,949.31 265,394.93 2,919,344.24 36,491.80 <b>2,955,836.05</b>

Report: Project: Location: Documents Dated:	Reed Sch	y Study Const Cost Estimate nool Feasibility Study Public Schools 112	Prepared by: Downey & Scott, LLC 6799 Kennedy Road, Suite F Warrenton, Virginia 20187 Ph 540.347.5001 Fax 540.347.5021 www.downeyscott.com	Status: Client: Submissn: Run Date:	Concept D <i>SHW Group</i> Feb. 10, 20 See footer	)12	PM: ct/gs Chckd by: bd/sm Job no: 12002
LOC REF	SYS #	UNIFORMAT SYSTEM	SPECIFICATION	QUANTITY	U/M	UNIT COST	EXTENSION
ADDITION HVAC ALT	09.00	MECHANICAL HVAC - VRF System	HVAC Equipment	50,720.0	) GSF	16.50	836,880.00
ADDITION HVAC ALT			Piping & Valves	50,720.0	) GSF	4.20	213,024.00
ADDITION HVAC ALT			Ductwork	50,720.0	) GSF	6.75	342,360.00
ADDITION HVAC ALT			Air Outlets	50,720.0	) GSF	0.59	29,924.80
ADDITION HVAC ALT			Ductwork Accessories	50,720.0	) GSF	0.72	36,518.40
ADDITION HVAC ALT			Insulation	50,720.0	) GSF	2.15	109,048.00
ADDITION HVAC ALT			Temperature Controls	50,720.0	) GSF	4.10	207,952.00
ADDITION HVAC ALT			Air & Water Balance	50,720.0	) GSF	0.45	22,824.00
ADDITION HVAC ALT			Coordination Drawings	50,720.0	) GSF	0.22	11,158.40
ADDITION HVAC ALT			Systems Operation & Testing	50,720.0	) GSF	0.25	12,680.00
ADDITION HVAC ALT	11.00	MARK-UPS	Subtotal				1,822,369.60
ADDITION HVAC ALT	11.00	MARINE OF O	General Conditions	12.00%	ć		218,684.35
ADDITION HVAC ALT			Subtotal	12.007	0		2,041,053.95
ADDITION HVAC ALT			GC OH @ 5% plus Profit @ 5%	10.00%	<u>(</u>		2,041,003.90
ADDITION HVAC ALT			Subtotal	10.007	U		2,245,159.35
ADDITION HVAC ALT			Bonds & insurance	1.25%	6		2,243,139.33
ADDITION HVAC ALT			Subtotal	50,720.0		\$44.82	