2011 Edition

SE-330 – LUMP SUM BID (Revision Date February 16, 2012)

BID FOR

Bidders shall submit bids on only Bid Form SE-330.

BID SUBMITTED BY: Melloul-Blamey Construction SC Ltd
(Bidder's Name)

BID SUBMITTED TO: Tri-County Technical College
(Owner's Name)

FOR PROJECT: PROJECT NAME Industrial Arts Center, Phase B - Building Renovations

PROJECT NUMBER H59-6022-JM-B

OFFER

§ 1. In response to the Invitation for Construction Bids and in compliance with the Instructions to Bidders for the above-named Project, the undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into a Contract with the Owner on the terms included in the Bidding Documents, and to perform all Work as specified or indicated in the Bidding Documents, for the prices and within the time frames indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

§ 2. Pursuant to Section 11-32-3030(1) of the SC Code of Laws, as amended, Bidder has submitted Bid Security as follows in the amount and form required by the Bidding Documents:

☒ Bid Bond with Power of Attorney ☐ Electronic Bid Bond ☐ Cashier's Check
(Bidder check one)

§ 3. Bidder acknowledges the receipt of the following Addenda to the Bidding Documents and has incorporated the effects of said Addenda into this Bid:

ADDENDUM No: 1, 2, 3, 4

§ 4. Bidder accepts all terms and conditions of the Invitation for Bids, including, without limitation, those dealing with the disposition of Bid Security. Bidder agrees that this Bid, including all Bid Alternates, if any, may not be revoked or withdrawn after the opening of bids, and shall remain open for acceptance for a period of 60 Days following the Bid Date, or for such longer period of time that Bidder may agree to in writing upon request of the Owner.

§ 5. Bidder herewith offers to provide all labor, materials, equipment, tools of trades and labor, accessories, appliances, warranties and guarantees, and to pay all royalties, fees, permits, licenses and applicable taxes necessary to complete the following items of construction work:

§ 6.1 BASE BID WORK *(as indicated in the Bidding Documents and generally described as follows)*: Interior demo of existing office, restroom facilities & cutting in various punched openings. Two new restrooms and a breakroom will be added with new connection to adjacent sanitary sewer. A welding lab will be constructed which includes adding 48 welding booths with electrical and gas connections. The main electrical system, sprinkler and life safety will be reconfigured in the warehouse partion. HVAC RTU's, a 3 unit Dust Collector system with duct to be installed. Exterior sheds and road work to be added.,

$ 1,365,000.00, which sum is hereafter called the Base Bid.
(Bidder - insert Base Bid Amount on line above)

SE-330 – LUMP SUM BID (Revision Date February 16, 2012)
BID FOR

§ 6.2 BID ALTERNATES - as indicated in the Bidding Documents and generally described as follows:

ALTERNATE # 1 *(Brief Description)*: Installation of RTU #4, #5 and #8 (Units and Curbs provided by Owner) Cutting opening, providing needed structure, electrical connection, controls, gas piping and related duct work will need to be provided and installed by GC. Include Allowance #1

☒ ADD TO or ☐ DEDUCT FROM BASE BID: 55,000.00

(Bidder to Mark appropriate box to clearly indicate the price adjustment offered for each alternate)

ALTERNATE # 2 *(Brief Description)*: 24ft deep x 46 ft wide extension metal shed addition, a 30'-0"deep x 85'-6" long 4" thick Slab On Grade, Mechanical Exhaust Fan #4, required dry exterior sprinklers and lighting adjacent to HVAC Lab. Underside of deck and structure to be painted.

☒ ADD TO or ☐ DEDUCT FROM BASE BID: 40,000.00

(Bidder to Mark appropriate box to clearly indicate the price adjustment offered for each alternate)

ALTERNATE # 3 *(Brief Description)*: The addition of SIX 7'x11' acoustical 24"x24"ceiling tile with 6" perimeter metal edge clouds suspended below the roof joists in break area(RM 130) and the addition of a 10'x12' sectional overhead door(#176) with related cutting and reinforcing of opening in CMU wall. Sectional Doors, #201, #202, and #203 to be replaced with insulated, electrically operated, aluminum sectional doors

☒ ADD TO or ☐ DEDUCT FROM BASE BID: 36,000.00

(Bidder to Mark appropriate box to clearly indicate the price adjustment offered for each alternate)

SE-330 – LUMP SUM BID (Revision Date February 16, 2012)

BID FORM

§ 7. LISTING OF PROPOSED SUBCONTRACTORS PURSUANT TO SECTION 3020(b)(i), CHAPTER 35, TITLE 11 OF THE SOUTH CAROLINA CODE OF LAWS, AS AMENDED – *(See Instructions on the following page BF-3A)*

Bidder shall use the below-listed Subcontractors in the performance of the Subcontractor Specialty work listed:

SUBCONTRACTOR SPECIALTY By License Classification and/or Subclassification (Completed by Owner)	SUBCONTRACTOR'S PRIME CONTRACTOR'S NAME (Must be completed by Bidder) BASE BID	SUBCONTRACTOR'S PRIME CONTRACTOR'S SC LICENSE NUMBER
Electrical - EL	Quality Elect.	104717
Plumbing - PB	S.M. Lawrence	107071
Heating and AirConditioning - HT/AC	S.M. Lawrence	107071
Sprinkler - FSC	Total Fire Protection	1146
ALTERNATE 1		
Electrical - EL	Quality Elect	104717
Heating and Air Conditioning -HT/AC	S.M. Lawrence	107071
Plumbing - PB	S.M. Lawrence	107071
ALTERNATE 2		
Electrical - EL	Quality Elect	104717
Sprinkler - FSC	Total Fire Protection	1146
Heating and Air Conditioning HT/AC	S.M. Lawrence	107071
ALTERNATE 3		
Electrical - EL	Quality Elect.	104717

** ALL SUBCONTRACTORS MUST BE LICENCED IN S.C. AND LISTED WITH THE SOUTH CAROLINA LLR. NON SC LICENCED SUB-CONTRACTORS LISTED ABOVE WILL DEEM THE BID "NON-RESPONSIVE" AND WILL BE REJECTED.**

If a Bid Alternate is accepted, Subcontractors listed for the Bid Alternate shall be used for the work of both the Alternate and the Base Bid work.

SE-330 – LUMP SUM BID (Revision Date February 16, 2012)
BID FORM

§ 8. LIST OF MANUFACTURERS, MATERIAL SUPPLIERS, AND SUBCONTRACTORS OTHER THAN SUBCONTRACTORS LISTED IN SECTION 7 ABOVE ***(FOR INFORMATION ONLY):*** Pursuant to instructions in the Invitation for Bids, if any, Bidder will provide to Owner upon the Owner's request and within 24 hours of such request, a listing of manufacturers, material suppliers, and subcontractors, other than those listed in Section 7 above, that Bidder intends to use on the project. Bidder acknowledges and agrees that this list is provided for purposes of determining responsibility and not pursuant to the subcontractor listing requirements of SC Code Ann § 11-35-3020(b)(i).

§ 9. TIME OF CONTRACT PERFORMANCE AND LIQUIDATED DAMAGES

a. CONTRACT TIME: Bidder agrees that the Date of Commencement of the Work shall be established in a Notice to Proceed to be issued by the Owner. Bidder agrees to substantially complete the Work within 150 calendar days from the Date of Commencement, subject to adjustments as provided in the Contract Documents.

b. LIQUIDATED DAMAGES: Bidder further agrees that from the compensation to be paid, the Owner shall retain as Liquidated Damages the sum of $200.00 for each calendar day the actual construction time required to achieve Substantial Completion exceeds the specified or adjusted time for Substantial Completion as provided in the Contract Documents. This sum is intended by the parties as the predetermined measure of compensation for actual damages, not as a penalty for nonperformance.

§ 10. AGREEMENTS

a. Bidder agrees that this bid is subject to the requirements of the law of the State of South Carolina.

b. Bidder agrees that at any time prior to the issuance of the Notice to Proceed for this Project, this Project may be canceled for the convenience of, and without cost to, the State.

c. Bidder agrees that neither the State of South Carolina nor any of its agencies, employees or agents shall be responsible for any bid preparation costs, or any costs or charges of any type, should all bids be rejected or the Project canceled for any reason prior to the issuance of the Notice to Proceed.

§ 11. ELECTRONIC BID BOND

By signing below, the Principal is affirming that the identified electronic bid bond has been executed and that the Principal and Surety are firmly bound unto the State of South Carolina under the terms and conditions of the AIA Document A310, Bid Bond, included in the Bidding Documents.

Electronic Bid Bond Number: _____

Signature and Title: _____

SE-330 – LUMP SUM BID (Revision Date February 16, 2012)

BID FORM

BIDDER'S TAXPAYER IDENTIFICATION

FEDERAL EMPLOYER'S IDENTIFICATION NUMBER: 51-0483411

OR

SOCIAL SECURITY NUMBER: _____

CONTRACTOR'S CLASSIFICATIONS AND SUBCLASSIFICATIONS WITH LIMITATIONS

Classification(s)& Limits: BD5

Subclassification(s) & Limits: _____

SC Contractor's License Number(s): G109030

BY SIGNING THIS BID, THE PERSON SIGNING REAFFIRMS ALL REPRESENTATIONS AND CERTIFICATIONS MADE BY BOTH THE PERSON SIGNING AND THE BIDDER, INCLUDING WITHOUT LIMITATION, THOSE APPEARING IN ARTICLE 2 OF THE INSTRUCTIONS TO BIDDER. THE INVITATION FOR BIDS, AS DEFINED IN THE INSTRUCTIONS TO BIDDERS, IS EXPRESSLY INCORPORATE BY REFERENCE.

SIGNATURE

BIDDER'S LEGAL NAME: Melloul-Blamey Construction SC Ltd

ADRESS: 55 Commerce Center

Greenville, SC 29615

BY: _____ DATE: 2/21/12
(Signature)

TITLE: VP Estimating

TELEPHONE: 864-627-0302

EMAIL: rob.major@melloul.com

2011 Edition

SE-370
Notice of Intent to Award

STATE OF SOUTH CAROLINA

Tri-County Technical College (insert agency name)
7900 Highway 76, Pendleton SC 29670 (insert agency address)

Posting Date: 2/29/2012

Unless stayed by protest or canceled, the State intends to enter into a contract for the project with the contractor noted below. The successful bid will be accepted and the contract formed by execution of the contract documents. All bid bonds remain in effect for the bid acceptance period as provide in Section 4 of the Bid Form, except as otherwise provided in the instructions to bidders.

Project Number: H59-6022-JM-B
Project Name: Industrial Arts Center, Phase B - Building Renovations
Awarded To: Melloul-Blamey Construction SC Ltd.

Solicitation Type ☒ Invitation for Bid ☐ Request for Proposals
Contract Amount $ $1,903,000.00

Invitation for Bid Information	Description	Bid Amount
Base Bid	Interior/exterior building renovations	$ $1,863,000.00
Alternate 1	RTU's 4,5 & 8	$ $0.00
Alternate 2	Exterior concrete slab and awning	$ $40,000
Alternate 3	Overhead door and ceiling clouds	$ 0

Remarks ***(explain any negotiations that resulted in a change in either the Base Bid or the accepted Bid Alternates)***

Contractor should not incur any costs associated with the contract prior to receipt of a contract from the Agency for execution. The State assumes no liability for any expenses incurred by the contractor prior to submitting a contract to the contractor for execution. Contractor should not perform any work prior to (1) delivering to the Agency both certificates of insurance and performance and payment bonds meeting the requirements of the solicitation; and (2) receipt of the Agency's written notice to proceed. The State assumes no liability for any expenses incurred by the contractor prior to issuance of notice to proceed other than contractor's non-reimbursable costs incurred in providing such bonds.

Any actual bidder, offeror, contractor, or subcontractor who is aggrieved in connection with the intended award or award of a contract shall protest within ten days of the date notification of award is posted in accordance with the Consolidated Procurement Code. A protest shall be in writing, shall set forth the grounds of the protest and the relief requested with enough particularity to give notice of the issues to be decided, and must be received by the appropriate Chief Procurement Officer within the time provided. [Section 11-35-4210]

PROTEST - CPO ADDRESS - OSE: Any protest must be addressed to the Chief Procurement Officer for Construction, Office of State Engineer, and submitted in writing (a) by email to protest-ose@mmo.sc.gov, (b) by facsimile at 803-737-0639, or (c) by post or delivery to 1201 Main Street, Suite 600, Columbia, SC 29201. By submitting a protest to the foregoing email address, you (and any person acting on your behalf) consent to receive communications regarding your protest (and any related protests) at the e-mail address from which you sent your protest.

Agency Procurement Officer: _____
(Signature)

INSTRUCTIONS TO THE AGENCY:
1. Post a copy of this form at the location specified by the Instructions to bidders and announced at the Bid Opening.
2. Send a copy of this form and the final bid tabulation to all responsive bidders and OSE.

General Policy by the S. C. Contractors' Licensing Board Regarding Licensure Requirements for Bid Work within South Carolina

Upon review of the wording of the statutes, the Board has developed the following policy that addresses licensure for bidding a construction project that contains regulated work including the construction of recreational surfaces or golf courses.

Section §40-11-30 of the 1976 Code of Laws of South Carolina, as amended, prohibits an unlicensed entity or individual from performing or offering to perform regulated construction work if the total cost of the project is greater than $5,000 and the nature of the work falls within one of the general or mechanical contractor major or subclassifications, a proper license is required for each regulated portion(s) of work, provided each portion exceeds $5,000. An unlicensed or improperly licensed entity or individual may be subject up to a $5,000 fine for bidding or engaging on a project without obtaining a proper contractor license. The total cost of construction, including all labor, profit, and material, regardless of who buys and pays for the materials, determines whether or not a license is required.

In order to determine if a contractor license is required for a construction project, it must be determined which license classification, if any, is required to be the prime contractor. A licensed general contractor may submit a bid for the entire project if 40% of the total cost of construction is within his/her license classification and group limitation. A general contractor holding a specialty classification or a mechanical contractor may submit a bid for the entire project if 51% of the total cost of construction is within his/her license classification and group limitation.

Should no scope of regulated work in the project equal or exceed 40%, any properly licensed general contractor licensee, with a portion of work in the project may bid the project. All regulated work not covered under the prime contractor's license must be subcontracted to properly licensed contractors. If the total cost of all unregulated work is 51% or more for a project and the project consists of some regulated work, an unlicensed entity or individual may bid the entire project provided the bidder has an active business that currently performs work related to the project. Consequently, the unlicensed entity or individual must subcontract any regulated work to properly licensed contractors when the total cost of each separate scope of regulated work exceeds $5,000.

The owner of a construction project may elect to hire multiple prime contractors for all of the regulated work based upon 40-11-420(C) and hire any unlicensed entity or individual for work that is not regulated. If the owner is hiring separate multiple prime contractors for regulated work, all of the contractors hired for this work must be properly licensed regardless of the cost of the work.

Kimberly Lineberger
Vice Chairman of the Board

Approved by the Board: October 19, 2006

LARRY D. SHERMAN

"Opinion of Probable Const. Costs"

Construction Document Cost Analysis

Tri-County Technical College

Industrial Tech Center Project 1B

Renovations and Additions

LS3P

Tri-County Technical College
Industrial Tech Center Project 1B
Renovations and Additions

							Total 1B Estimate:		$	1,958,678
	General Conditions - Phase B	**73,150**	**sqft**	**$**	**0.58**	**$**	**37,256**	**1.90%**	**$**	**37,256**
013030	Field , Superintendent, -3	16	Wks	$	1,410.00	$	22,560	1.15%	$	22,560
013210	Scheduling, In-House, per Month basis	4	mnth	$	210.00	$	840	0.04%	$	840
015010	Project Sign Painted	1	each	$	506.25	$	506	0.03%	$	506
015010	Temp Utilities, Electrical	4	mnth	$	100.00	$	400	0.02%	$	400
015010	Temp Utilities, Phone, per Month	4	mnth	$	150.00	$	600	0.03%	$	600
015010	Temp Utilities, Water, Cups, Ice, Per Month	4	mnth	$	100.00	$	400	0.02%	$	400
015010	Temporary Utilities, Temp. Toilets	4	mnth	$	90.00	$	360	0.02%	$	360
016010	Jobsite, Tools, Equip, Oil and Gas	4	mnth	$	800.00	$	3,200	0.16%	$	3,200
017010	Clean-Up per MH (2 man crew@ $16 x 2 hr/day)	160	MH	$	41.01	$	6,562	0.34%	$	6,562
022210	Rubbish, Dumpster, 30 CY Cap., 6.0 Ton, Rent Per Dump	4	Loads	$	457.00	$	1,828	0.09%	$	1,828
	Building Demolition - Phase B	**84,850**	**sqft**	**$**	**1.01**	**$**	**82,776**	**4.23%**	**$**	**82,776**
022210	Rubbish, Dumpster, 30 CY Cap., 6.0 Ton, Rent Per Dump	27	Loads	$	457.00	$	12,118	0.62%	$	12,118
022240	Cutout, Conc. Slab on Grade, to 4" thick, Saw, Demo, Dispose	2,000	sqft	$	4.30	$	8,602	0.44%	$	8,602
022240	Patch Conc. Floor, 4", Small Areas	2,000	sqft	$	6.01	$	12,016	0.61%	$	12,016
022240	Cutout Brick / Block - 12" , per SF	478	sqft	$	61.24	$	29,272	1.49%	$	29,272
022240	Cutout Demo, 8" Thick Conc. Block,	576	sqft	$	5.55	$	3,198	0.16%	$	3,198
022248	Demo. Toilet Partitions, Each	7	each	$	34.25	$	240	0.01%	$	240
022248	Demo. Metal / Wood Stud Walls, 2 sides,Drywall	7,200	sqft	$	0.57	$	4,124	0.21%	$	4,124
022248	Demo. Metal / Wood Stud Walls, 2 sides,Drywall	6,240	sqft	$	0.57	$	3,574	0.18%	$	3,574
022260	Carp., Demo, Cabinets, Wood Base, Remove & Reset	3	lnft	$	12.97	$	32	0.00%	$	32
022280	Door Demo. 30x70, 1-3/4" thick, Dr/Hdw/FR	27	each	$	73.00	$	1,971	0.10%	$	1,971
022290	Flooring Demo. Carpet, Glued, Scraping	5,000	sqft	$	0.23	$	1,162	0.06%	$	1,162
022290	Flooring Demo. Ceramic Tile, Mud Set	425	sqft	$	5.39	$	2,291	0.12%	$	2,291
022291	Demo, ACT, Tile and Grid, Remove	7,420	sqft	$	0.56	$	4,177	0.21%	$	4,177
	Perimeter Concrete Footings - Column 1.5 x 5.0	**16**	**each**	**$**	**4,707.88**	**$**	**79,074**	**4.04%**	**$**	**79,074**
022238	Saw Cutting, 6", Conc. Slabs, NO Reinf (15 lf per Hr.)	156	lnft	$	12.49	$	1,948	0.10%	$	1,948
022238	Saw Cutting, 6", Conc. Slabs, NO Reinf (15 lf per Hr.)	96	lnft	$	12.49	$	1,199	0.06%	$	1,199
022240	Cutout, Conc. Slab on Grade, to 6" thick, Saw, demo, dispose	90	sqft	$	10.00	$	900	0.05%	$	900
022240	Cutout, Conc. Slab on Grade, to 6" thick, Saw, demo, dispose	144	sqft	$	10.00	$	1,440	0.07%	$	1,440
031150	Anchor bolts, 3/4" x 24" , incl. nut and washer,	48	each	$	14.41	$	692	0.04%	$	692
031150	Anchor bolts, 3/4" x 24" , incl. nut and washer,	16	each	$	14.41	$	231	0.01%	$	231
032110	Accessories, 3" Plastic Rebar Position Chair	120	Each	$	0.08	$	10	0.00%	$	10
032110	Accessories, 3" Plastic Rebar Position Chair	40	Each	$	0.08	$	3	0.00%	$	3
032130	Reinforcing in Place, A615 Gr 60, Footings, #3 to #7	2	Tons	$	2,087.67	$	3,758	0.19%	$	3,758
032130	Reinforcing in Place, A615 Gr 60, Footings, #3 to #7	1	Tons	$	2,087.67	$	1,253	0.06%	$	1,253
033031	EWF - 60" x 18" , Wall Footing	60	lnft	$	78.98	$	4,739	0.24%	$	4,739
033031	COL. FTG. - 72" x 72" x 24"	4	each	$	1,368.00	$	5,472	0.28%	$	5,472
036610	Grout Columns, 1", Non-Shrink, Cementous Grout,	21	sqft	$	4.55	$	96	0.00%	$	96
036610	Grout Columns, 1", Non-Shrink, Cementous Grout,	7	sqft	$	4.55	$	32	0.00%	$	32
051212	Steel Tube, 6" x 6" x 3/16", TSS	288	lnft	$	22.05	$	6,349	0.32%	$	6,349
051212	Steel Tube, 6" x 6" x 3/16", TSS	96	lnft	$	22.05	$	2,116	0.11%	$	2,116
051220	Columns, 6" x 6" x 3/16", TSS	216	lnft	$	23.87	$	5,157	0.26%	$	5,157
051220	Columns, 6" x 6" x 3/16", TSS	80	lnft	$	23.87	$	1,910	0.10%	$	1,910
051234	Plates, Struct.Steel Plates, 3/4" Thick	72	sqft	$	60.12	$	4,328	0.22%	$	4,328
051234	Plates, Struct.Steel Plates, 3/4" Thick	24	sqft	$	60.12	$	1,443	0.07%	$	1,443
316316	Piles, 5.5" Micro, CIP augered piles, 0-100 Ton	960	vlft	$	25.00	$	24,000	1.23%	$	24,000
316316	Piles, 5.5" Micro, CIP augered piles, 0-100 Ton	480	vlft	$	25.00	$	12,000	0.61%	$	12,000
	8" - Masonry Walls - NR - HH 8' - Phase B	**18,263**	**sqft**	**$**	**4.86**	**$**	**87,194**	**4.45%**	**$**	**87,194**
022212	Core, 5/8" Diam Drilled Hole, in Conc. Floor w/ Layout	4,046	in	$	1.25	$	5,070	0.26%	$	5,070
022238	Saw Cutting, 6", Conc. Slabs, NO Reinf (15 lf per Hr.)	128	lnft	$	12.49	$	1,598	0.08%	$	1,598
022240	Cutout, Conc. Slab on Grade, to 4" thick, Saw, Demo, Dispose	224	sqft	$	4.30	$	963	0.05%	$	963
032130	Reinforcing #5 Bar, Dowels, 2.5 Ft, Deformed,	4,046	each	$	1.95	$	7,907	0.40%	$	7,907
032130	Reinforcing #5 Bar, Dowels, 2.5 Ft, Deformed,	30	each	$	1.95	$	59	0.00%	$	59
033031	EWF - 48" x 24" , Wall Footing	56	lnft	$	84.34	$	4,723	0.24%	$	4,723
043110	Conc.Block, Point and Clean	8,640	sqft	$	0.23	$	1,956	0.10%	$	1,956
043110	Conc.Block, Point and Clean	2,016	sqft	$	0.23	$	456	0.02%	$	456

043110	Conc.Block, 8" X 8" X 16", BU,	4,046	each	$	5.29	$	21,403	1.09%	$ 21,403
043110	Conc.Block, 8" X 8" X 16", BU,	946	each	$	5.29	$	5,004	0.26%	$ 5,004
043130	Conc Blk, 8x8x16, BOND BEAM,	1,080	lnft	$	4.80	$	5,182	0.26%	$ 5,182
043130	Conc Blk, 8x8x16, BOND BEAM,	224	lnft	$	4.80	$	1,075	0.05%	$ 1,075
043230	8" Blk Grout Solid 8" o.c. (90 sf/cy)	1,080	sqft	$	3.06	$	3,305	0.17%	$ 3,305
043230	8" Blk Grout @ 16" o.c. (180 sf/cy)	1,008	sqft	$	1.52	$	1,537	0.08%	$ 1,537
043230	8" Blk Grout @ 32" o.c. (360 sf/cy)	3,240	sqft	$	0.76	$	2,471	0.13%	$ 2,471
043240	Bond Beam, (2) - #5, Mas., Reinf (2.52#/lf)	2,160	lnft	$	2.25	$	4,869	0.25%	$ 4,869
043240	Mas., Reinf, #5 @ 16" o.c. (2.426#/sf)	4,320	sqft	$	2.17	$	9,367	0.48%	$ 9,367
043240	Mas., Reinf, #5 @ 16" o.c. (2.426#/sf)	1,008	sqft	$	2.17	$	2,186	0.11%	$ 2,186
043240	Reinforcing #5 Bar, Dowels, 2 Ft Long, Deformed,	224	each	$	3.15	$	705	0.04%	$ 705
049605	Mortar, S Type, 1:1:6	151	bag	$	25.46	$	3,845	0.20%	$ 3,845
049605	Mortar, S Type, 1:1:6	36	bag	$	25.46	$	917	0.05%	$ 917
049630	Sand, for Mortar, Anderson / Clemson	25	Tons	$	22.17	$	554	0.03%	$ 554
049630	Sand, for Mortar, Anderson / Clemson	6	Tons	$	22.17	$	133	0.01%	$ 133
049670	Joint Reinforcing, 8" W, Galv, Wire, Ladder	44	Clf	$	19.40	$	854	0.04%	$ 854
049670	Joint Reinforcing, 8" W, Galv, Wire, Ladder	12	Clf	$	19.40	$	233	0.01%	$ 233
049690	Control Joint, PVC, 8" Wall	144	lnft	$	5.72	$	824	0.04%	$ 824
	Casework - Plastic Laminate - Ph B	**49,450**	**sqft**	**$**	**0.06**	**$**	**2,929**	**0.15%**	**$ 2,929**
064104	Casework, Plastic Lam, Base Cab.	12	lnft	$	190.61	$	2,287	0.12%	$ 2,287
064104	Casework, Plastic Lam. Counter-Tops	12	sqft	$	53.47	$	642	0.03%	$ 642
	Exterior - Doors and Windows - Ph B	**62,700**	**sqft**	**$**	**0.43**	**$**	**27,931**	**1.43%**	**$ 27,931**
081070	HM Frames, 3'-0" x 7'-0", Welded,14 ga. 8-3/4"	6	each	$	173.70	$	1,042	0.05%	$ 1,042
081070	HM Frames, 6'-0" x 7'-0", Welded,14 ga. 8-3/4"	1	each	$	225.25	$	225	0.01%	$ 225
081070	HM Frames, Galvanized Steel, Upcharge (15%)	7	each	$	75.00	$	525	0.03%	$ 525
081170	HM Doors, 3'-0" x 7'-0", 14 ga, 1-3/4", Insulated, Full Panel,	8	each	$	337.25	$	2,698	0.14%	$ 2,698
081170	HM Doors, Galvanizing, Add	8	each	$	80.00	$	640	0.03%	$ 640
081186	Door frs,st chans , 8'-0" x 8'-0", C 8x 11.5, ,wt 276#	2	each	$	661.52	$	1,323	0.07%	$ 1,323
081186	Door frs,st chans , 12'-0" x 12'-0", C 10x 15.3, ,wt 551#	1	each	$	1,161.29	$	1,161	0.06%	$ 1,161
083733	Roll-Up Slat Drs, 8 x 8 , 20 ga., Insul. Steel, manual,	2	each	$	1,510.91	$	3,022	0.15%	$ 3,022
083733	Roll-Up Slat Drs, 12 x 12 , 20 ga., Insul. Steel, manual,	1	each	$	3,395.50	$	3,396	0.17%	$ 3,396
084107	Swing Doors Alum. 6'-0" x 7'-0", Clear Anodized, 1" THK Glass	1	each	$	3,476.54	$	3,477	0.18%	$ 3,477
087127	Panic Device, Narrow Stile, Lock Latch, Outside Key & Pull	10	each	$	834.29	$	8,343	0.43%	$ 8,343
105320	Canopies, Wall Hung, Aluminum, .032" 4' x 10'	1	each	$	2,079.96	$	2,080	0.11%	$ 2,080
	Interior - Doors and Windows - Temp. Lobby - Ph B	**41,750**	**sqft**	**$**	**0.15**	**$**	**6,199**	**0.32%**	**$ 6,199**
084107	Swing Doors Alum. 6'-0" x 7'-0", Clear Anodized, 1" THK Glass	1	each	$	3,476.54	$	3,477	0.18%	$ 3,477
087127	Panic Device, VON DUPRIN 98E0 36" US28 PANIC , Panic Latch	2	each	$	609.25	$	1,219	0.06%	$ 1,219
088118	Float glass, 1/4" thick, tempered, clear	48	sqft	$	10.33	$	496	0.03%	$ 496
089207	SF 1.75" x 4.50" , EFCO 401 NT, Clear Anodized Alum.	48	sqft	$	21.00	$	1,008	0.05%	$ 1,008
	Finishes - Floors - Temp - Ph B	**37,960**	**sqft**	**$**	**0.06**	**$**	**2,081**	**0.11%**	**$ 2,081**
096501	Resilient, 12 x 12, w/ Base, Low	685	sqft	$	2.56	$	1,752	0.09%	$ 1,752
096501	Resilient, Base, 4.00", Cove, Vinyl, .080" Thk, Colors,	120	lnft	$	2.74	$	329	0.02%	$ 329
	Finishes - Ceilings - Phase B	**49,450**	**sqft**	**$**	**0.53**	**$**	**26,231**	**1.34%**	**$ 26,231**
095113	ATC Clg, 2x2x5/8, MF, VINYL FACED	575	sqft	$	1.85	$	1,065	0.05%	$ 1,065
095113	UPCHARGE, ATC, Restraints, Siezmic Area C	575	sqft	$	0.31	$	178	0.01%	$ 178
099021	Walls&clgs, Spray work, (2) coat, Oil	69,800	sqft	$	0.36	$	24,988	1.28%	$ 24,988
	Finishes - Walls and Doors - Ph B	**79,550**	**sqft**	**$**	**0.21**	**$**	**15,806**	**0.81%**	**$ 15,806**
099016	Doors, Flush, P/1FC, Brush, (2) Coat, Fr. & Dr.	8	each	$	41.80	$	334	0.02%	$ 334
099016	Doors, Roll-up Large, Spray, (3) Coat, Fr. & Dr.	284	sqft	$	0.89	$	253	0.01%	$ 253
099020	Paint, Walls, CMU, Roller Work, Alkyd OB, (3) coat	20,376	sqft	$	0.56	$	11,349	0.58%	$ 11,349
099021	Walls / Clgs, Latex, Roller Work, (3) Coat,	11,880	sqft	$	0.33	$	3,869	0.20%	$ 3,869
	Interior 3-5/8" MSW - Temp. Walls - Ph B	**8,544**	**sqft**	**$**	**0.47**	**$**	**3,819**	**0.19%**	**$ 3,819**
092102	Accessories, Screws #6 x 1.00"	7	M	$	35.00	$	227	0.01%	$ 227
092105	Drywall, 5/8" Wall, FR,HTF, Commercial	1,134	sqft	$	1.24	$	1,402	0.07%	$ 1,402
092214	Accessories, Screws #8 x 5/8"	1	M	$	56.67	$	31	0.00%	$ 31
092214	Accessories, Hilti, Shot Anchors, 1-1/4" Pin & Load,	2	C	$	60.75	$	109	0.01%	$ 109
092215	MS, 3.58", CSJ, 20 ga., Studs, LF Galv	1,134	lnft	$	1.49	$	1,685	0.09%	$ 1,685
092215	MT, 3.58", CSJ, 20 ga., Track, LF Galv	189	lnft	$	1.93	$	365	0.02%	$ 365
	Interior 6" MSW - Phase B	**15,848**	**sqft**	**$**	**2.35**	**$**	**35,675**	**1.82%**	**$ 35,675**

072118	Insul., 6.25" Tk, R19, 15" W, UF, Fiberglas	5,670	sqft	$	0.56	$	3,156	0.16%	$ 3,156
092102	Accessories, Screws #6 x 1.00"	65	M	$	35.00	$	2,268	0.12%	$ 2,268
092105	Drywall, 5/8" Wall, FR,HTF, Commercial	11,340	sqft	$	1.24	$	14,016	0.72%	$ 14,016
092214	Accessories, Screws #8 x 5/8"	3	M	$	56.67	$	184	0.01%	$ 184
092214	Accessories, Hilti, Shot Anchors, 1-1/4" Pin & Load,	11	C	$	60.75	$	689	0.04%	$ 689
092215	MS, 6", CWN, 20 ga., Studs, LF Galv	5,670	lnft	$	2.25	$	12,737	0.65%	$ 12,737
092215	MT, 6", CWN, 20 ga., Track, LF Galv	1,134	lnft	$	2.32	$	2,626	0.13%	$ 2,626
	Toilet Accessories - Phase B	**42,425**	**sqft**	**$**	**0.07**	**$**	**2,813**	**0.14%**	**$ 2,813**
102810	TA-4 Mirror, 24" x 72", w/, 3/4" SS, FR	4	each	$	354.50	$	1,418	0.07%	$ 1,418
102810	TA-5 Toilet Tissue Disp, B-274, Dbl. Roll SM,	9	each	$	25.13	$	226	0.01%	$ 226
102810	TA-6, PTD, Towel Disp, B-2621, SS, SM,	6	each	$	50.13	$	301	0.02%	$ 301
102810	TA-8, Mop Holder, B-224 X 36" , SS	2	each	$	149.88	$	300	0.02%	$ 300
102810	TA-3, Grab Bar, 36",SS, Straight, 1-1/4" Dia, Peened Grip	4	each	$	43.20	$	173	0.01%	$ 173
102810	TA-2, Grab Bar, 42",SS, Straight, 1-1/4" Dia, Peened Grip	4	each	$	48.73	$	195	0.01%	$ 195
102810	TA-6, San., Napkin/Tampon Disposal, B-270, SS, SM	6	each	$	33.44	$	201	0.01%	$ 201
	Specialities - Ph B	**49,450**	**sqft**	**$**	**1.07**	**$**	**52,108**	**2.66%**	**$ 52,108**
033032	Conc. Locker Base, 12"	152	lnft	$	13.05	$	1,984	0.10%	$ 1,984
102115	Toilet Partitions PHENOLIC., ADA Corner, Floor Mtd.	4	each	$	691.88	$	2,768	0.14%	$ 2,768
102115	Toilet Partitions PHENOLIC, ADD STALL, Floor Mtd.	5	each	$	584.24	$	2,921	0.15%	$ 2,921
102115	Toilet Partitions PHENOLIC. Urinal Screen, Wall Mtd.	3	each	$	264.39	$	793	0.04%	$ 793
104410	Fire Ext. Cabs, 8"x12"x27", Alum. Larson 2112 RK	17	each	$	197.45	$	3,357	0.17%	$ 3,357
104420	Fire Ext, Dry Chem, 10 #, ABC, All Purpose	17	each	$	87.50	$	1,488	0.08%	$ 1,488
105110	Lockers Steel, 12" x 12" x 72"", 2 Tier, Baked Enamel,	152	each	$	255.25	$	38,798	1.98%	$ 38,798
	Fire Protection - SF Basis - Ph B	**90,725**	**sqft**	**$**	**0.12**	**$**	**10,606**	**0.54%**	**$ 10,606**
210400	Fire Protection ,Relocate Heads	42,425	sqft	$	0.25	$	10,606	0.54%	$ 10,606
	Plumbing- Fixtures - Ph B	**23**	**each**	**$**	**1,662.86**	**$**	**34,793**	**1.78%**	**$ 34,793**
222116	DF, Halsey Taylor OVL-II-SEBP, Stainless Steel, Twin	2	each	$	2,120.75	$	4,242	0.22%	$ 4,242
222116	Drinking Fountains, ROUGH-IN,	2	each	$	304.35	$	609	0.03%	$ 609
222136	Lav / Sink, ROUGH-IN , Wall Hung , W/Carrier	1	each	$	700.20	$	700	0.04%	$ 700
222136	Lavatories, New Faucet, Symons, S-20, 110deg Limit,	1	each	$	243.00	$	243	0.01%	$ 243
222136	Facuetts, Chiago 943-317-CP, Two Handle,	3	each	$	233.00	$	699	0.04%	$ 699
222140	P10 - Mop Sink, Terrazzo, 36" x 36"X 12", Floor, Mtd.	2	each	$	875.30	$	1,751	0.09%	$ 1,751
222140	Mop Basins, Laundry Sinkss, ROUGH-IN, sply, w and vent,	2	each	$	347.80	$	696	0.04%	$ 696
222140	P15 - Ice Maker Box, w/ Rough-in	2	each	$	123.00	$	246	0.01%	$ 246
222152	BR Sinks, SC, 19" x 21" x6", Elkay LRAD-2219,	1	each	$	478.60	$	479	0.02%	$ 479
222152	Wash Sink, Scrub, WM Wash Trough	1	each	$	1,441.00	$	1,441	0.07%	$ 1,441
222152	Sinks, ROUGH-IN, Counter Installation	1	each	$	468.20	$	468	0.02%	$ 468
222168	Urinals, Wall Hung, Kohler K-4960	4	each	$	406.20	$	1,625	0.08%	$ 1,625
222168	Urinals, Rough - In, Supply, Waste & Vent,	4	each	$	556.80	$	2,227	0.11%	$ 2,227
222168	Urinals, Add Manuel, FV, Urinals, Sloan Regal 186-0.5 XL	4	each	$	189.00	$	756	0.04%	$ 756
222176	Wash Fountains, 54" Dia, Terrazzo, Semi-Circular,	3	each	$	1,987.80	$	5,963	0.30%	$ 5,963
222176	Wash Fountains, Rough - IN, Supply Waste & Vent	3	each	$	294.80	$	884	0.05%	$ 884
222180	Water Closets, Add Manuel, Flush Valves, Sloan WES 111 XL	9	each	$	153.00	$	1,377	0.07%	$ 1,377
222180	WC-1 - Water Closet, Wall Hung, Kolher K-4330 Kingston	9	each	$	326.90	$	2,942	0.15%	$ 2,942
222180	WC Rough-in, Supply /Waste, Wall Hung, Flush Valve	9	each	$	498.00	$	4,482	0.23%	$ 4,482
223110	Water Heater, 75 MBH, 95 GPH, 100 gal, Gas Fired, w/ Vent	1	Each	$	2,964.00	$	2,964	0.15%	$ 2,964
	Plumbing - Waste - BG - Ph B	**23**	**each**	**$**	**451.85**	**$**	**9,236**	**0.47%**	**$ 9,236**
221110	Cleanouts, 4", Floor Type, Cast Iron, Brass Plug,	2	each	$	89.25	$	179	0.01%	$ 179
221125	Floor Drains, 3" , Med Duty, Zurn FD2300, Adjustable	3	each	$	166.50	$	500	0.03%	$ 500
221301	BG, Pipe, 2", Soil, SV, CI	160	lnft	$	11.21	$	1,794	0.09%	$ 1,794
221301	BG, Pipe, 3", Soil, SV, CI	60	lnft	$	14.47	$	868	0.04%	$ 868
221301	BG, Pipe, 4", Soil, SV, CI	310	lnft	$	19.02	$	5,896	0.30%	$ 5,896
	Plumbing - Waste - AG - Ph B	**23**	**each**	**$**	**204.80**	**$**	**4,120**	**0.21%**	**$ 4,120**
221301	AG, Pipe, 2", Soil, NO HUB, CI	160	lnft	$	11.21	$	1,793	0.09%	$ 1,793
221301	AG, Pipe, 3", Soil, NO HUB, CI	90	lnft	$	10.91	$	982	0.05%	$ 982
221301	AG, Pipe, 4", Soil, NO HUB, CI	90	lnft	$	14.94	$	1,345	0.07%	$ 1,345
	Plumbing Domestic Water - Ph B	**23**	**each**	**$**	**1,790.58**	**$**	**35,951**	**1.84%**	**$ 35,951**
221156	Hydrants, Zurn Encased Wall Hydrant, 14" wall	8	Each	$	396.00	$	3,168	0.16%	$ 3,168
221401	Pipe 2.00", COPPER, Type, K, Tubing w/Cplgs & Hgrs, 10' o.c.	150	lnft	$	29.40	$	4,410	0.23%	$ 4,410
221401	Pipe 3.00", COPPER, Type, K, Tubing w/Cplgs & Hgrs, 10' o.c.	200	lnft	$	54.13	$	10,826	0.55%	$ 10,826

221401	Pipe 1/2", COPPER, Type, L, Tubing w/Cplgs & Hgrs, 10' o.c.	200	lnft	$	6.13	$	1,225	0.06%	$ 1,225
221401	Pipe 3/4", COPPER, Type, L, Tubing w/Cplgs & Hgrs, 10' o.c.	560	lnft	$	8.53	$	4,775	0.24%	$ 4,775
221401	Pipe 1.00", COPPER, Type, L, Tubing w/Cplgs & Hgrs, 10' o.c.	130	lnft	$	11.49	$	1,494	0.08%	$ 1,494
221401	Pipe 1.25", COPPER, Type, L, Tubing w/Cplgs & Hgrs, 10' o.c.	400	lnft	$	14.28	$	5,714	0.29%	$ 5,714
221401	Pipe 1.50", COPPER, Type, L, Tubing w/Cplgs & Hgrs, 10' o.c.	50	lnft	$	17.61	$	880	0.04%	$ 880
225651	Pipe Insul, 1/2" Pipe, 1/2" FIBERGLAS w/All Svce Jkt,	200	lnft	$	1.63	$	325	0.02%	$ 325
225651	Pipe Insul, 3/4" Pipe, 1/2" FIBERGLAS w/All Svce Jkt,	560	lnft	$	1.69	$	944	0.05%	$ 944
225651	Pipe Insul, 1.00" Pipe, 1/2" FIBERGLAS w/All Svce Jkt,	130	lnft	$	2.01	$	261	0.01%	$ 261
225651	Pipe Insul, 1.25" Pipe, 1/2" FIBERGLAS w/All Svce Jkt,	400	lnft	$	2.14	$	854	0.04%	$ 854
225651	Pipe Insul, 1.50" Pipe, 1/2" FIBERGLAS w/All Svce Jkt,	50	lnft	$	2.25	$	112	0.01%	$ 112
225651	Pipe Insul, 2.00" Pipe, 1/2" FIBERGLAS w/All Svce Jkt,	150	lnft	$	2.43	$	364	0.02%	$ 364
225651	Pipe Insul, 3.00" Pipe, 1/2" FIBERGLAS w/All Svce Jkt,	200	lnft	$	3.00	$	600	0.03%	$ 600
	Exhaust Fan EX-1 w/ Ductwork - Ph B	**80,058**	**CFM**	**$**	**0.46**	**$**	**32,474**	**1.66%**	**$ 32,474**
234292	REF, 650 CFM, .375" SP, 11" Dia, 1/4 HP, Alum,	1	each	$	796.00	$	796	0.04%	$ 796
238180	AHU-7, Roof Top, 13.0 Ton, 156 MBH, Elect Cool, Gas Ht, Curb	1	each	$	816.14	$	816	0.04%	$ 816
238180	AHU-2, Roof Top, 22.0 Ton, 264 MBH, Elect Cool, Gas Ht, Curb	1	each	$	1,088.00	$	1,088	0.06%	$ 1,088
239250	34" x 16" Galv, Duct, Rect, 20 ga. 8.33 sf	130	lnft	$	40.50	$	5,265	0.27%	$ 5,265
239250	56" x 20" Galv, Duct, Rect, 18 ga. 11.33f	24	lnft	$	64.06	$	1,537	0.08%	$ 1,537
239250	60" x 24" Galv, Duct, Rect, 18 ga. 14.00 sf	28	lnft	$	79.05	$	2,213	0.11%	$ 2,213
239250	40" x 20" Galv, DW Duct, Rect, 20 ga. 10.00 sf	12	lnft	$	169.67	$	2,036	0.10%	$ 2,036
239250	44" x 24" Galv, DW Duct, Rect, 20 ga. 11.33 sf	8	lnft	$	192.31	$	1,538	0.08%	$ 1,538
239251	Ductwork, 6" Spiral Single Rib, SMACNA Stds.. Galv, (1.578) sf)	30	lnft	$	4.58	$	137	0.01%	$ 137
239251	Ductwork, 10" Spiral Single Rib, SMACNA Stds.. Galv, (2.62) sf)	30	lnft	$	7.28	$	218	0.01%	$ 218
239251	Ductwork, 14" Spiral Single Rib, SMACNA Stds.. Galv, (3.664) sf)	14	lnft	$	9.87	$	138	0.01%	$ 138
239253	Ductwork, 34/22 - 30/18" OVAL Spiral 24 GA. Galv, Insul.	42	lnft	$	132.50	$	5,565	0.28%	$ 5,565
239253	Ductwork, 34/28" - 30/24" OVAL Spiral 24 GA. Galv, Insul.	24	lnft	$	132.50	$	3,180	0.16%	$ 3,180
239253	Ductwork, 36/24" - 32/20" OVAL Spiral 24 GA. Galv, Insul.	20	lnft	$	125.07	$	2,501	0.13%	$ 2,501
239253	Ductwork, 48/34" - 44/30" OVAL Spiral 24 GA. Galv, Insul.	28	lnft	$	168.21	$	4,710	0.24%	$ 4,710
239460	RAG- Grilles, Alum, 24" x 24", T-bar, w/ 6" DIA.	6	Each	$	73.27	$	440	0.02%	$ 440
239460	RAG- Grilles, Alum, 24" x 24", T-bar, w/ 10" DIA.	4	Each	$	73.27	$	293	0.01%	$ 293
	HVAC - Controls - Upfit B	**43,725**	**sqft**	**$**	**0.26**	**$**	**10,000**	**0.51%**	**$ 10,000**
230900	Controls, DDC, Electronic Controls, SF Method,	5,000	sqft	$	2.00	$	10,000	0.51%	$ 10,000
	HVAC - Air / Water Balance - Upfit B	**36,975**	**sqft**	**$**	**0.03**	**$**	**1,195**	**0.06%**	**$ 1,195**
230593	Air Balancing, SF Method,	5,000	sqft	$	0.19	$	929	0.05%	$ 929
	Grounding Systems - Phase B	**42,425**	**sqft**	**$**	**0.03**	**$**	**1,422**	**0.07%**	**$ 1,422**
260526	Grounding, #4/0, Bare Copper Wire Stranded,	120	lnft	$	7.08	$	850	0.04%	$ 850
260526	Grounding, Rod, 3/4" Dia., 10' Long, Copper Clad,	3	each	$	58.61	$	176	0.01%	$ 176
260526	Cadweld, #4/0 wire, brazed connections,	3	each	$	65.63	$	197	0.01%	$ 197
	Electrical - Panels / Trans. - 480/277 - Ph B	**59,425**	**sqft**	**$**	**0.77**	**$**	**40,838**	**2.08%**	**$ 40,838**
260513	Wire, THWN-THHN, #6 Stranded Copper	2	Clf	$	107.59	$	215	0.01%	$ 215
260513	Wire, THWN-THHN, #4 Stranded Copper	2	Clf	$	171.17	$	342	0.02%	$ 342
260513	Wire, THWN-THHN, #4 Stranded Copper	1	Clf	$	171.17	$	86	0.00%	$ 86
260513	Wire, THWN-THHN, #3 Stranded Copper	2	Clf	$	196.12	$	392	0.02%	$ 392
260513	Wire, THWN-THHN, #1/0 Stranded Copper	6	Clf	$	319.02	$	1,914	0.10%	$ 1,914
260513	Wire, THWN-THHN, #4/0 Stranded Copper	2	Clf	$	548.87	$	1,098	0.06%	$ 1,098
260513	Wire, THWN-THHN, 250 MCM Stranded Copper	8	Clf	$	641.93	$	5,135	0.26%	$ 5,135
260513	Wire, THWN-THHN, 500 MCM Stranded Copper	5	Clf	$	1,172.02	$	5,860	0.30%	$ 5,860
260533	Conduit, 2" Dia, Galv. Steel	130	lnft	$	11.06	$	1,438	0.07%	$ 1,438
260533	Conduit, 2-1/2" Dia, Galv. Steel	180	lnft	$	16.46	$	2,963	0.15%	$ 2,963
260533	Conduit, 2-1/2" Dia, Galv. Steel	50	lnft	$	16.46	$	823	0.04%	$ 823
260533	Conduit, 3-1/2" Dia, Galv. Steel	110	lnft	$	23.38	$	2,572	0.13%	$ 2,572
262416	Panelboards, 150 amp Brkr, 120/208, 42 circs, nqod, 4 wire,	3	each	$	2,092.50	$	6,278	0.32%	$ 6,278
262416	Panelboards, 225 Amp Brkr, 277/480, 42 Circ, NQOD, 4 Wire,	1	each	$	2,151.00	$	2,151	0.11%	$ 2,151
262416	Panelboards, 250 amp Brkr, 277/480, 42 circs, nqod, 4 wire,	1	each	$	2,351.00	$	2,351	0.12%	$ 2,351
262416	Panelboards, 400 Amp Brkr, 277/480, 42 Circ, NQOD, 4 Wire,	2	each	$	3,609.50	$	7,219	0.37%	$ 7,219
	Light Fixtures - Wiring & Conduit	**79,400**	**sqft**	**$**	**0.76**	**$**	**51,916**	**2.65%**	**$ 51,916**
260513	Wire, THWN-THHN, #12 Stranded Copper	80	Clf	$	34.13	$	2,731	0.14%	$ 2,731
260513	Wire, THWN-THHN, #12 Stranded Copper	16	Clf	$	34.13	$	546	0.03%	$ 546
260513	Wire, THWN-THHN, #8 Stranded Copper	18	Clf	$	74.55	$	1,342	0.07%	$ 1,342
260513	Wire, THWN-THHN, #6 Stranded Copper	54	Clf	$	107.59	$	5,810	0.30%	$ 5,810
260533	Conduit, 3/4" Dia, EMT Conduit	2,000	lnft	$	1.89	$	3,779	0.19%	$ 3,779

260533	Conduit, 3/4" Dia, EMT Conduit	400	lnft	$	1.89	$	756	0.04%	$ 756
260533	Conduit, 1-1/2" Dia, EMT Conduit	1,800	lnft	$	4.61	$	8,298	0.42%	$ 8,298
260534	Outlet Boxes, 2" x 4", PS, Switch Box	12	each	$	2.51	$	30	0.00%	$ 30
260534	Junction Boxes, 4"x4" x 1.5" w/ Cover, PS	92	Each	$	2.92	$	268	0.01%	$ 268
262726	Toggle, 20 Amp, Light Switch, Single Pole	6	Each	$	10.79	$	65	0.00%	$ 65
262726	Toggle, 20 Amp, 3 - Way, Light Switch, Single Pole	6	Each	$	20.37	$	122	0.01%	$ 122
262726	Wall Plate, Stainless Steel, 1 Gang	12	Each	$	4.24	$	51	0.00%	$ 51
265101	TECF- 2 x 4 , Lay-in Grid, , 2-32W, Florescent, Acrylic Lens,	3	each	$	99.15	$	297	0.02%	$ 297
265103	TN - 1x4 Surface Mtd, 2-48W, Wire Guard, Hi Output Lamps	18	each	$	86.15	$	1,551	0.08%	$ 1,551
265104	PB - 2x4 3 - 32w, Pend. Mtd, Indirect Light	2	each	$	302.30	$	605	0.03%	$ 605
265104	PC - 2x4 3 - 32w, Pend. Mtd, Indirect Light	8	each	$	302.30	$	2,418	0.12%	$ 2,418
265104	PD - 12" dia., Florescent,32-42W, Pend. Mtd.	4	each	$	483.30	$	1,933	0.10%	$ 1,933
265105	TH - Hi-Bay, 2 X 4, Florescent , 8-42w, lamps, Chain Hung	2	each	$	506.50	$	1,013	0.05%	$ 1,013
265106	TZ - 1 x 4, Strip, 3-42W, Flourescent, Recessed Downlights,	7	each	$	284.30	$	1,990	0.10%	$ 1,990
265106	RF - Recessed, 8" Round Can Light, 2-42, Flouresc, Acrlyic Lens	3	each	$	187.30	$	562	0.03%	$ 562
265113	PA - Light Fixtures, Labor to Demo., Clean And Relamp	8	each	$	44.30	$	354	0.02%	$ 354
265213	EM2 - Emerg. Light, Twin Beam, ,25 W,6 V, Nichol Cad, Battery	16	Each	$	214.30	$	3,429	0.18%	$ 3,429
265213	CLE - 24 V, Emergency, Ballast, Florescent Light Fixtures	6	each	$	135.30	$	812	0.04%	$ 812
265213	EX - 24 V, Emergency, Ballast, Florescent Light Fixtures	50	each	$	135.30	$	6,765	0.35%	$ 6,765
265213	PBE - 24 V, Emergency, Ballast, Florescent Light Fixtures	4	each	$	135.30	$	541	0.03%	$ 541
265213	PDE - 24 V, Emergency, Ballast, Florescent Light Fixtures	2	each	$	135.30	$	271	0.01%	$ 271
265213	RFE - 24 V, Emergency, Ballast, Florescent Light Fixtures	3	each	$	135.30	$	406	0.02%	$ 406
265213	TNE - 24 V, Emergency, Ballast, Florescent Light Fixtures	1	each	$	135.30	$	135	0.01%	$ 135
265213	TZE - 24 V, Emergency, Ballast, Florescent Light Fixtures	2	each	$	135.30	$	271	0.01%	$ 271
265313	EX1 - Exit Light, Single Face, LED, Alum, 120/277, w/ Emerg. Lig	10	Each	$	219.30	$	2,193	0.11%	$ 2,193
265623	WP - 100 W, MH, Wall Pack	5	each	$	280.91	$	1,405	0.07%	$ 1,405
265623	CL - (2) -26W, Canopy, Lo-watt, Florescent, SM, High Abuse	6	each	$	194.58	$	1,167	0.06%	$ 1,167
	Electrical - Recepticles - Ph B	**62,700**	**sqft**	**$**	**0.23**	**$**	**12,084**	**0.62%**	**$ 12,084**
260513	Wire, THWN-THHN, #12 Stranded Copper	152	Clf	$	34.13	$	5,188	0.26%	$ 5,188
260533	Conduit, 3/4" Dia, EMT Conduit	2,200	lnft	$	1.89	$	4,157	0.21%	$ 4,157
260533	Conduit, 1" Dia, EMT Conduit	400	lnft	$	2.99	$	1,198	0.06%	$ 1,198
260534	Outlet Boxes, 2" x 4", Pressed Steel,	72	each	$	2.59	$	186	0.01%	$ 186
260534	Junction Boxes, 4"x4" x 1.5" w/ Cover, PS	78	Each	$	2.92	$	228	0.01%	$ 228
262726	Receptacle, 20 Amp, 120 Volt, Duplex,	62	Each	$	9.00	$	558	0.03%	$ 558
262726	Receptacle, 20 Amp, 120 Volt, Duplex, GFI	12	Each	$	22.00	$	264	0.01%	$ 264
262726	Wall Plate, Stainless Steel, 1 Gang	72	Each	$	4.24	$	305	0.02%	$ 305
	Sanitary Sewer	**1,660**	**lnft**	**$**	**59.32**	**$**	**105,560**	**5.39%**	**$ 105,560**
310516	Fill, Wash Stone # 57, Wall & Fdn, 12" Deep	500	Tons	$	26.79	$	13,396	0.68%	$ 13,396
330513	CB,MH,CI, DI, 4' i.d.,8' deep, concrete, precast,	10	each	$	4,464.64	$	44,646	2.28%	$ 44,646
333110	Anderson, SC, Sewer Tap Fees 8" and Impact Fees	1	each	$	14,410.00	$	14,410	0.74%	$ 14,410
333113	BG, Piping, 4" PVC, Schd. 40, underground	100	lnft	$	14.08	$	1,408	0.07%	$ 1,408
333113	BG, Piping, 6" PVC, Schd. 40, underground	1,560	lnft	$	20.32	$	31,699	1.62%	$ 31,699
	Dust Collection System DC-2 - Upfit A	**80,058**	**cfm**	**$**	**3.69**	**$**	**12,953**	**0.66%**	**$ 12,953**
239251	Ductwork, 6" Spiral Single Rib, SMACNA Stds.. Galv, (1.578) sf)	864	lnft	$	4.58	$	3,954	0.20%	$ 3,954
239251	Ductwork, 10" Spiral Single Rib, SMACNA Stds.. Galv, (2.62) sf)	20	lnft	$	7.28	$	146	0.01%	$ 146
239251	Ductwork, 12" Spiral Single Rib, SMACNA Stds.. Galv, (3.14) sf)	28	lnft	$	8.58	$	240	0.01%	$ 240
239251	Ductwork, 18" Spiral Single Rib, SMACNA Stds.. Galv, (4.71) sf)	40	lnft	$	14.15	$	566	0.03%	$ 566
239251	Ductwork, 24" Spiral Single Rib, SMACNA Stds.. Galv, (6.28) sf)	80	lnft	$	21.74	$	1,739	0.09%	$ 1,739
239251	Ductwork, 30" Spiral Single Rib, SMACNA Stds.. Galv, (7.85) sf)	72	lnft	$	25.66	$	1,848	0.09%	$ 1,848
239251	Ductwork, 32" Spiral Single Rib, SMACNA Stds.. Galv, (8.38) sf)	65	lnft	$	29.13	$	1,893	0.10%	$ 1,893
239251	Ductwork, 24" 45 deg. L, Spiral Duct, SMACNA Stds.. Galv,	1	each	$	219.62	$	220	0.01%	$ 220
239251	Ductwork, 32" 45 deg. L, Spiral Duct, SMACNA Stds.. Galv,	1	each	$	360.08	$	360	0.02%	$ 360
239251	Ductwork, 6" 90 deg. L, Spiral Duct, SMACNA Stds.. Galv,	48	each	$	32.85	$	1,577	0.08%	$ 1,577
239251	Ductwork, 32" 90 deg. L, Spiral Duct, SMACNA Stds.. Galv,	1	each	$	410.30	$	410	0.02%	$ 410
	8" - Masonry Walls - NR - HH 8' - Upfit A	**18,263**	**sqft**	**$**	**6.13**	**$**	**110,090**	**5.62%**	**$ 110,090**
022212	Core, 5/8" Diam Drilled Hole, in Conc. Floor w/ Layout	1,950	in	$	1.25	$	2,443	0.12%	$ 2,443
022212	Core, 5/8" Diam Drilled Hole, in Conc. Floor w/ Layout	540	in	$	1.25	$	677	0.03%	$ 677
032130	Reinforcing #5 Bar, Dowels, 2.5 Ft, Deformed,	3,072	each	$	1.95	$	6,003	0.31%	$ 6,003
032130	Reinforcing #5 Bar, Dowels, 2.5 Ft, Deformed,	2,202	each	$	1.95	$	4,303	0.22%	$ 4,303
043110	Conc.Block, Point and Clean	6,560	sqft	$	0.23	$	1,485	0.08%	$ 1,485
043110	Conc.Block, Point and Clean	8,635	sqft	$	0.23	$	1,954	0.10%	$ 1,954
043110	Conc.Block, 8" X 8" X 16", BU,	3,072	each	$	5.29	$	16,251	0.83%	$ 16,251

043110	Conc.Block, 8" X 8" X 16", BU,	4,044	each	$	5.29	$	21,393	1.09%	$	21,393
043110	Conc Block, 8" Stack Bond, Up-Charge	5,004	Each	$	0.30	$	1,507	0.08%	$	1,507
043130	Conc Blk, 8x8x16, BOND BEAM,	820	lnft	$	4.80	$	3,934	0.20%	$	3,934
043130	Conc Blk, 8x8x16, BOND BEAM,	1,079	lnft	$	4.80	$	5,178	0.26%	$	5,178
043230	8" Blk Grout Solid 8" o.c. (90 sf/cy)	820	sqft	$	3.06	$	2,509	0.13%	$	2,509
043230	8" Blk Grout Solid 8" o.c. (90 sf/cy)	650	sqft	$	3.06	$	1,989	0.10%	$	1,989
043230	8" Blk Grout @ 32" o.c. (360 sf/cy)	2,460	sqft	$	0.76	$	1,876	0.10%	$	1,876
043230	8" Blk Grout @ 32" o.c. (360 sf/cy)	3,667	sqft	$	0.76	$	2,796	0.14%	$	2,796
043240	Bond Beam, (2) - #5, Mas., Reinf (2.52#/lf)	1,640	lnft	$	2.25	$	3,697	0.19%	$	3,697
043240	Bond Beam, (2) - #5, Mas., Reinf (2.52#/lf)	1,789	lnft	$	2.25	$	4,033	0.21%	$	4,033
043240	Mas., Reinf, #5 @ 16" o.c. (2.426#/sf)	3,280	sqft	$	2.17	$	7,112	0.36%	$	7,112
043240	Mas., Reinf, #5 @ 16" o.c. (2.426#/sf)	4,317	sqft	$	2.17	$	9,361	0.48%	$	9,361
043240	Reinforcing #5 Bar, Dowels, 2 Ft Long, Deformed,	170	each	$	3.15	$	535	0.03%	$	535
043240	Reinforcing #5 Bar, Dowels, 2 Ft Long, Deformed,	136	each	$	3.15	$	428	0.02%	$	428
049605	Mortar, S Type, 1:1:6	115	bag	$	25.46	$	2,928	0.15%	$	2,928
049605	Mortar, S Type, 1:1:6	152	bag	$	25.46	$	3,870	0.20%	$	3,870
049630	Sand, for Mortar, Anderson / Clemson	19	Tons	$	22.17	$	421	0.02%	$	421
049630	Sand, for Mortar, Anderson / Clemson	25	Tons	$	22.17	$	554	0.03%	$	554
049670	Joint Reinforcing, 8" W, Galv, Wire, Ladder	33	Clf	$	19.40	$	640	0.03%	$	640
049670	Joint Reinforcing, 8" W, Galv, Wire, Ladder	44	Clf	$	19.40	$	854	0.04%	$	854
049690	Control Joint, PVC, 8" Wall	104	lnft	$	5.72	$	595	0.03%	$	595
049690	Control Joint, PVC, 8" Wall	133	lnft	$	5.72	$	763	0.04%	$	763
	Metal Canopy System - Upfit A	**4,240**	**sqft**	**$**	**10.23**	**$**	**42,645**	**2.18%**	**$**	**42,645**
033031	COL. FTG. - 36" x 36" x 24"	3	each	$	342.00	$	1,026	0.05%	$	1,026
033031	Edge Slab. - 24" x 18" Footing,	165	lnft	$	41.90	$	6,914	0.35%	$	6,914
050938	Hilti, wedge anchors, cs, 3/4" diameter, 10" long	100	each	$	6.85	$	685	0.03%	$	685
051200	Beams, W 14 x 22 WF, A992 Steel	60	lnft	$	37.30	$	2,238	0.11%	$	2,238
051220	Columns, 6" x 6" x 3/16", TSS	48	lnft	$	23.87	$	1,146	0.06%	$	1,146
051234	Plates, Struct.Steel Plates, 3/4" Thick	6	sqft	$	60.12	$	361	0.02%	$	361
051234	Plates, Struct. Steel Plates, 1" Thick	6	sqft	$	80.16	$	481	0.02%	$	481
051250	Steel Angles, 1.5 x 1.5 x 1/8, angle framing,	360	lnft	$	1.57	$	566	0.03%	$	566
051250	Steel Angles, 5 x 3 x 3/8, angle framing,	180	lnft	$	10.00	$	1,799	0.09%	$	1,799
052110	Open Web Joists K Horiz Brdg 14K1	340	lnft	$	6.27	$	2,132	0.11%	$	2,132
053104	Met. Deck, 1.5", Type "B", 22 ga., Open GALV.	1,500	sqft	$	1.95	$	2,930	0.15%	$	2,930
072203	1.5", R-7.5, Styrofoam Roof Deck Insulation	15	sq	$	95.40	$	1,431	0.07%	$	1,431
074107	Steel Roof Panel, 24 Ga, Standing Seam, 16" w/ Kynar 500,	1,500	sqft	$	8.67	$	13,005	0.66%	$	13,005
076204	Flashing, 20 ga., Galv., Kynar 500	330	sqft	$	4.75	$	1,566	0.08%	$	1,566
321313	SOG, 6" Conc. Paving,	1,350	sqft	$	4.71	$	6,365	0.32%	$	6,365
	Interior - Doors and Windows - Upfit A	**41,750**	**sqft**	**$**	**0.83**	**$**	**35,375**	**1.81%**	**$**	**35,375**
081070	HM Frames, 3'-0" x 7'-0", Welded,16 ga. 8-3/4"	9	each	$	132.55	$	1,193	0.06%	$	1,193
081070	HM Frames, 6'-0" x 7'-0", Welded,16 ga. 8-3/4"	2	each	$	198.25	$	397	0.02%	$	397
081170	HM Doors, 3'-0" x 7'-0", 16 ga, 1-3/4", insulated, full pnl,	13	each	$	262.57	$	3,413	0.17%	$	3,413
081170	HM Dr, Vision Light Kits, 6" x 32", Add	3	each	$	75.00	$	225	0.01%	$	225
083604	Overhead, 12' x 12' , Sectional, comm, steel, 24 ga. manual	2	each	$	2,050.75	$	4,102	0.21%	$	4,102
083604	Overhead, 10' x 12' , All Glass, Sectional, comm, Alum, w. Manue	3	each	$	6,275.00	$	18,825	0.96%	$	18,825
087101	Hardware, Average, School, Int, Hvy Use, Lever HD, w/ Closer	13	each	$	555.47	$	7,221	0.37%	$	7,221
	Finishes - Floors - Upfit A	**37,960**	**sqft**	**$**	**0.70**	**$**	**26,195**	**1.34%**	**$**	**26,195**
099013	Painting, Floors, Conc., Urethane Coating	9,900	sqft	$	0.55	$	5,455	0.28%	$	5,455
099013	Conc. Floors, Grind Conc. Floors	9,900	sqft	$	2.10	$	20,741	1.06%	$	20,741
	Finishes - Walls and Doors - Upfit A	**79,550**	**sqft**	**$**	**0.14**	**$**	**920**	**0.05%**	**$**	**920**
099016	Doors, Flush, P/1FC, Brush, (2) Coat, Fr. & Dr.	22	each	$	41.80	$	920	0.05%	$	920
099016	**Doors, Roll-up Large, Spray, (3) Coat, Fr. & Dr.**	**1,236**	**sqft**	**$**	**0.89**	**$**	**8,464**	**0.43%**	**$**	**8,464**
099020	Paint, Walls, CMU, Roller Work, Alkyd OB, (3) coat	15,196	sqft	$	0.56	$	8,464	0.43%	$	8,464
099021	Walls&clgs, Spray work, (3) coat, Oil Ext. Canopy Deck /Beams	0	sqft	$	0.53	$	-	0.00%	$	-
099021	Walls / Clgs, Latex, Roller Work, (3) Coat,	0	sqft	$	0.33	$	-	0.00%	$	-
	Interior 6" MSW - Upfit A	**15,848**	**sqft**	**$**	**1.79**	**$**	**27,087**	**1.38%**	**$**	**27,087**
072118	Insul., 6.25" Tk, R19, 15" W, UF, Fiberglas	4,305	sqft	$	0.56	$	2,396	0.12%	$	2,396
092102	Accessories, Screws #6 x 1.00"	49	M	$	35.00	$	1,722	0.09%	$	1,722
092105	Drywall, 5/8" Wall, FR,HTF, Commercial	8,610	sqft	$	1.24	$	10,642	0.54%	$	10,642
092214	Accessories, Screws #8 x 5/8"	3	M	$	56.67	$	139	0.01%	$	139
092214	Accessories, Hilti, Shot Anchors, 1-1/4" Pin & Load,	9	C	$	60.75	$	523	0.03%	$	523

092215	MS, 6", CWN, 20 ga., Studs, LF Galv	4,305	lnft	$	2.25	$	9,671	0.49%	$ 9,671
092215	MT, 6", CWN, 20 ga., Track, LF Galv	861	lnft	$	2.32	$	1,994	0.10%	$ 1,994
	Exterior Chain Link Gates - Upfit A	**258**	**lnft**	**$**	**8.67**	**$**	**2,257**	**0.12%**	**$ 2,257**
323113	Gate, single 60 x 80, 1-5/8" frame, Galv. steel, each	4	each	$	564.19	$	2,257	0.12%	$ 2,257
	Fire Protection - SF Basis - Upfit A	**90,725**	**sqft**	**$**	**0.14**	**$**	**12,722**	**0.65%**	**$ 12,722**
210400	Fire Protection ,Relocate Heads	12,000	sqft	$	0.50	$	6,000	0.31%	$ 6,000
210400	Fire Protection, Buildings, < 10 MSF, Dry System Galv., - OH	1,350	sqft	$	4.98	$	6,722	0.34%	$ 6,722
	Plumbing- Compressed Air Piping - Upfit A	**12,000**	**sqft**	**$**	**2.59**	**$**	**26,129**	**1.33%**	**$ 26,129**
221100	Unions, 3/4" Dia. Iron fitting,	28	each	$	14.30	$	400	0.02%	$ 400
221100	Air, Quick Couplings, 3/4", assembly	28	each	$	22.39	$	627	0.03%	$ 627
221704	Pipe Galv. Steel, 1/2", Sch 40, Threaded	280	lnft	$	5.29	$	1,482	0.08%	$ 1,482
221704	Pipe Galv. Steel, 3/4", Sch 40, Threaded	770	lnft	$	5.74	$	4,423	0.23%	$ 4,423
221704	Pipe Galv. Steel, 1.00", Sch 40, Threaded	160	lnft	$	6.61	$	1,057	0.05%	$ 1,057
221704	Pipe Galv. Steel, 1.25", Sch 40, Threaded	10	lnft	$	7.73	$	77	0.00%	$ 77
221704	Pipe Galv. Steel, 1.5", Sch 40, Threaded	160	lnft	$	8.45	$	1,351	0.07%	$ 1,351
221704	Pipe Galv. Steel, 2.0", Sch 40, Threaded	570	lnft	$	10.03	$	5,717	0.29%	$ 5,717
221955	Valves, Ball, 3/4" Bronze, 150 psi, Threaded,	28	each	$	33.74	$	945	0.05%	$ 945
221955	Valves, Ball, 1.5" Bronze, 150 Psi Threaded	1	each	$	89.13	$	89	0.00%	$ 89
221955	Valves, Ball, 2" Bronze, 150 Psi Threaded	6	each	$	101.13	$	607	0.03%	$ 607
221955	Valves, 1/2" Globe, 150 psi, Bronze, Threaded	28	each	$	42.63	$	1,194	0.06%	$ 1,194
238220	Air Compressor, 50 HP, 240 gal 208 ACFM, Two Stage, Service	1	each	$	8,160.00	$	8,160	0.42%	$ 8,160
	Natrual Gas Piping to Mech. Equip. - Upfit A	**46,000**	**sqft**	**$**	**2.36**	**$**	**95,002**	**4.85%**	**$ 95,002**
230500	HVAC. Painting, 2-4" Pipe, primer + 2 coats	685	lnft	$	2.02	$	1,387	0.07%	$ 1,387
231401	Pipe 3/4", COPPER, Type, L, Tubing w/Cplgs & Hgrs, 10' o.c.	3,250	lnft	$	8.53	$	27,710	1.41%	$ 27,710
231401	Pipe 1.50", COPPER, Type, L, Tubing w/Cplgs & Hgrs, 10' o.c.	700	lnft	$	17.61	$	12,325	0.63%	$ 12,325
231401	Pipe 4.00", COPPER, Type, L, Tubing w/Cplgs & Hgrs, 10' o.c.	400	lnft	$	57.06	$	22,823	1.17%	$ 22,823
231701	Pipe Steel, 3/4", Galv, Sch 40, Threaded	885	lnft	$	7.62	$	6,744	0.34%	$ 6,744
231701	Pipe Steel, 1.0", Galv, Sch 40, Threaded	260	lnft	$	9.03	$	2,347	0.12%	$ 2,347
231701	Pipe Steel, 3/4",Sch. 40, Welded	20	lnft	$	9.58	$	192	0.01%	$ 192
231701	Pipe Steel, 1",Sch. 40, Welded	210	lnft	$	12.05	$	2,531	0.13%	$ 2,531
231701	Pipe Steel, 1.25",Sch. 40, Welded	150	lnft	$	12.81	$	1,921	0.10%	$ 1,921
231701	Pipe Steel, 1.5",Sch. 40, Welded	20	lnft	$	13.10	$	262	0.01%	$ 262
231701	Pipe Steel, 2",Sch. 40, Welded	100	lnft	$	15.14	$	1,514	0.08%	$ 1,514
231701	Pipe Steel, 2.5",Sch. 40, Welded	125	lnft	$	17.60	$	2,200	0.11%	$ 2,200
231701	Pipe Steel, 3",Sch. 40, Welded	60	lnft	$	21.00	$	1,260	0.06%	$ 1,260
231701	Pipe, Support Boots, Pate, PPS-3 Pipe Seals,	172	each	$	31.15	$	5,358	0.27%	$ 5,358
232955	Valves, Ball, 3/4" Bronze, 150 psi, Threaded,	1	each	$	18.35	$	18	0.00%	$ 18
232955	Valves, Ball, 3/4" Bronze, 150 psi, Threaded,	73	each	$	18.35	$	1,340	0.07%	$ 1,340
232955	Valves, Ball, 3/4" Bronze, 150 psi, Threaded,	216	each	$	18.35	$	3,964	0.20%	$ 3,964
232955	Valves, Ball, 1.0" Bronze, 150 Psi Threaded	3	each	$	24.11	$	72	0.00%	$ 72
232955	Valves, Ball, 1.0" Bronze, 150 Psi Threaded	4	each	$	24.11	$	96	0.00%	$ 96
232955	Valves, Ball, 1.25" Bronze, 150 Psi Threaded	7	each	$	37.10	$	260	0.01%	$ 260
232955	Valves, Ball, 1.5" Bronze, 150 Psi Threaded	2	each	$	51.77	$	104	0.01%	$ 104
232955	Valves, Ball, 2.5" Bronze, 150 Psi Threaded	1	each	$	150.53	$	151	0.01%	$ 151
232955	Valves, Ball, 3.0" Bronze, 150 Psi Threaded	2	each	$	212.79	$	426	0.02%	$ 426
	HVAC Roof Hoods - Upfit A	**23,200**	**sqft**	**$**	**1.44**	**$**	**10,338**	**0.53%**	**$ 10,338**
234298	Roof Curbs, 12" high curb, for Mech. Equipment	168	lnft	$	48.53	$	8,153	0.42%	$ 8,153
239482	Louvers,Dampers, Galv. St., double panel, motor operated,	96	sqft	$	18.13	$	1,740	0.09%	$ 1,740
239482	Louvers,Dampers, Motors	96	sqft	$	4.62	$	444	0.02%	$ 444
	AHU-6 w/ Ductwork - Upfit A	**80,058**	**CFM**	**$**	**0.29**	**$**	**20,798**	**1.06%**	**$ 20,798**
238180	AHU-6, Roof Top, 6.0 Ton, 72 MBH, Elect Cool, Gas Ht, Curb	1	each	$	336.67	$	337	0.02%	$ 337
238180	AHU-2, Roof Top, 22.0 Ton, 264 MBH, Elect Cool, Gas Ht, Curb	1	each	$	1,088.00	$	1,088	0.06%	$ 1,088
238180	AHU-3, Roof Top, 22.0 Ton, 264 MBH, Elect Cool, Gas Ht, Curb	1	each	$	1,088.00	$	1,088	0.06%	$ 1,088
239250	16 " x 9" Galv, Duct, Rect, 22 ga. 4.34 sf	10	lnft	$	19.66	$	197	0.01%	$ 197
239250	18" x 14" Galv, Duct, Rect, 22 ga. 5.34 sf	14	lnft	$	24.11	$	338	0.02%	$ 338
239250	18" x 14" Galv, Duct, Rect, 22 ga. 5.34 sf	10	lnft	$	24.11	$	241	0.01%	$ 241
239250	20" x 14" Galv, Duct, Rect, 22 ga. 5.67 sf	6	lnft	$	25.58	$	154	0.01%	$ 154
239250	20 " x 16" Galv, Duct, Rect, 22 ga. 6.00 sf	15	lnft	$	27.05	$	406	0.02%	$ 406
239250	24 " x 16" Galv, Duct, Rect, 22 ga. 6.6666 sf	20	lnft	$	29.99	$	600	0.03%	$ 600
239250	24 " x 16" Galv, Duct, Rect, 22 ga. 6.6666 sf	22	lnft	$	29.99	$	660	0.03%	$ 660
239250	30" x 30" Galv, DW Duct, Rect, 20 ga. 10.00 sf	8	lnft	$	169.74	$	1,358	0.07%	$ 1,358

LARRY D. SHERMAN

"Opinion of Probable Const. Costs"

Construction Document Cost Analysis

Tri-County Technical College

Industrial Tech Center Project 1B

Renovations and Additions

LS3P

239250	30" x 30" Galv, DW Duct, Rect, 20 ga. 10.00 sf	8	lnft	$	169.74	$	1,358	0.07%	$	1,358
239251	Ductwork, 8" Dia, Flex, Insul., Fiberglas	60	lnft	$	3.31	$	199	0.01%	$	199
239251	Ductwork, 12" Dia, Flex, Insul., Fiberglas	30	lnft	$	4.76	$	143	0.01%	$	143
239251	Ductwork, 8" Spiral Single Rib, SMACNA Stds.. Galv, (2.094) sf)	52	lnft	$	5.98	$	311	0.02%	$	311
239251	Ductwork, 10" Spiral Single Rib, SMACNA Stds.. Galv, (2.62) sf)	28	lnft	$	7.28	$	204	0.01%	$	204
239251	Ductwork, 12" Spiral Single Rib, SMACNA Stds.. Galv, (3.14) sf)	14	lnft	$	8.58	$	120	0.01%	$	120
239251	Ductwork, 14" Spiral Single Rib, SMACNA Stds.. Galv, (3.664) sf)	8	lnft	$	9.87	$	79	0.00%	$	79
239254	Ductwork, 20"/16" Spiral Formed Steel, 22 GA. Galv, Straight	22	lnft	$	61.76	$	1,359	0.07%	$	1,359
239254	Ductwork, 20"/16" Spiral Formed Steel, 22 GA. Galv, Straight	22	lnft	$	61.76	$	1,359	0.07%	$	1,359
239254	Ductwork, 24"/20" Spiral Formed Steel, 22 GA. Galv, Straight	24	lnft	$	75.49	$	1,812	0.09%	$	1,812
239254	Ductwork, 24"/20" Spiral Formed Steel, 22 GA. Galv, Straight	24	lnft	$	75.49	$	1,812	0.09%	$	1,812
239254	Ductwork, 28/24"" Spiral Formed Steel, 22 GA. Galv, Straight	12	lnft	$	89.21	$	1,071	0.05%	$	1,071
239254	Ductwork, 28/24"" Spiral Formed Steel, 22 GA. Galv, Straight	12	lnft	$	89.21	$	1,071	0.05%	$	1,071
239254	Ductwork, 30"/26" Spiral Formed Steel, 22 GA. Galv, Straight	10	lnft	$	96.07	$	961	0.05%	$	961
239254	Ductwork, 30"/26" Spiral Formed Steel, 22 GA. Galv, Straight	10	lnft	$	96.07	$	961	0.05%	$	961
239259	Duct, 2" thk, .75 lb. dens, blanket type, fbgl, flex,	560	sqft	$	1.63	$	910	0.05%	$	910
239450	SAG - 24"x24" Layin , 8" Dia, Alum	6	each	$	67.42	$	404	0.02%	$	404
239450	SAG - 24"x24" Layin , 12" Dia, Alum	3	each	$	67.42	$	202	0.01%	$	202
	HVAC - Controls - Upfit A	**43,725**	**sqft**	**$**	**0.63**	**$**	**24,000**	**1.23%**	**$**	**24,000**
230900	Controls, DDC, Electronic Controls, SF Method,	12,000	sqft	$	2.00	$	24,000	1.23%	$	24,000
	HVAC - Air / Water Balance - Upfit A	**36,975**	**sqft**	**$**	**0.08**	**$**	**2,229**	**0.11%**	**$**	**2,229**
230593	Air Balancing, SF Method,	12,000	sqft	$	0.19	$	2,229	0.11%	$	2,229
	Electrical - Panels / Trans. - 480/277 - Upfit A	**59,425**	**sqft**	**$**	**2.90**	**$**	**158,083**	**8.07%**	**$**	**158,083**
260513	Wire, THWN-THHN, #3/0 Stranded Copper	10	Clf	$	447.08	$	4,471	0.23%	$	4,471
260513	Wire, THWN-THHN, 350 MCM Stranded Copper	37	Clf	$	858.32	$	31,758	1.62%	$	31,758
260533	Conduit, 3" Dia, Galv. Steel	920	lnft	$	19.83	$	18,246	0.93%	$	18,246
262416	Panelboards, 1200 amp Brkr, 277/480, 42 circs, I-Line, MDP	4	each	$	25,902.00	$	103,608	5.29%	$	103,608
	Electrical - Panels / Trans. - 120/208 - Upfit A	**25,250**	**sqft**	**$**	**1.78**	**$**	**40,839**	**2.09%**	**$**	**40,839**
260513	Wire, THWN-THHN, #10 Stranded Copper	3	Clf	$	49.41	$	148	0.01%	$	148
260513	Wire, THWN-THHN, #8 Stranded Copper	9	Clf	$	74.55	$	671	0.03%	$	671
260513	Wire, THWN-THHN, #6 Stranded Copper	1	Clf	$	107.59	$	108	0.01%	$	108
260513	Wire, THWN-THHN, #4 Stranded Copper	1	Clf	$	171.17	$	171	0.01%	$	171
260513	Wire, THWN-THHN, #1/0 Stranded Copper	1	Clf	$	319.02	$	319	0.02%	$	319
260513	Wire, THWN-THHN, #4/0 Stranded Copper	2	Clf	$	548.87	$	1,098	0.06%	$	1,098
260533	Conduit, 1" Dia, Galv. Steel	210	lnft	$	5.80	$	1,219	0.06%	$	1,219
260533	Conduit, 2" Dia, Galv. Steel	10	lnft	$	11.06	$	111	0.01%	$	111
260533	Conduit, 2-1/2" Dia, Galv. Steel	50	lnft	$	16.46	$	823	0.04%	$	823
262213	Dry type xfmr, 30 KVA DDTX 3PH 480V-208Y/120V	6	each	$	2,920.40	$	17,522	0.89%	$	17,522
262215	Transformer Pad Interior 4' x 4'	6	each	$	217.00	$	1,302	0.07%	$	1,302
262416	Panelboards, 150 amp Brkr, 120/208, 42 circs, nqod, 4 wire,	1	each	$	2,092.50	$	2,093	0.11%	$	2,093
262416	Panelboards, 225 Amp Brkr, 120/208, 42 Circ, NQOD, 4 Wire,	5	each	$	3,051.00	$	15,255	0.78%	$	15,255
	Light Fixtures - Wiring & Conduit - Upfit A	**79,400**	**sqft**	**$**	**0.46**	**$**	**31,141**	**1.59%**	**$**	**31,141**
260513	Wire, THWN-THHN, #12 Stranded Copper	104	Clf	$	34.13	$	3,550	0.18%	$	3,550
260513	Wire, THWN-THHN, #12 Stranded Copper	10	Clf	$	34.13	$	341	0.02%	$	341
260513	Wire, THWN-THHN, #8 Stranded Copper	16	Clf	$	74.55	$	1,193	0.06%	$	1,193
260513	Wire, THWN-THHN, #6 Stranded Copper	48	Clf	$	107.59	$	5,164	0.26%	$	5,164
260533	Conduit, 3/4" Dia, EMT Conduit	2,600	lnft	$	1.89	$	4,913	0.25%	$	4,913
260533	Conduit, 3/4" Dia, EMT Conduit	240	lnft	$	1.89	$	453	0.02%	$	453
260533	Conduit, 1-1/2" Dia, EMT Conduit	200	lnft	$	4.61	$	922	0.05%	$	922
260534	Outlet Boxes, 2" x 4", PS, Switch Box	8	each	$	2.51	$	20	0.00%	$	20
260534	Junction Boxes, 4"x4" x 1.5" w/ Cover, PS	84	Each	$	2.92	$	245	0.01%	$	245
262726	Toggle, 20 Amp, Light Switch, Single Pole	8	Each	$	10.79	$	86	0.00%	$	86
262726	Wall Plate, Stainless Steel, 1 Gang	8	Each	$	4.24	$	34	0.00%	$	34
265103	IA - 1x4 SM/CH, 2-32W, Wire Guard	51	each	$	103.15	$	5,261	0.27%	$	5,261
265103	TN - 1x4 Surface Mtd, 2-48W, Wire Guard, Hi Output Lamps	16	each	$	86.15	$	1,378	0.07%	$	1,378
265105	TH - Hi-Bay, 2 X 4, Florescent , 8-42w, lamps, Chain Hung	4	each	$	506.50	$	2,026	0.10%	$	2,026
265113	PA - Light Fixtures, Labor to Demo., Clean And Relamp	22	each	$	44.30	$	975	0.05%	$	975
265213	EM2 - Emerg. Light, Twin Beam, ,25 W,6 V, Nichol Cad, Battery	6	Each	$	214.30	$	1,286	0.07%	$	1,286
265213	IAE - 24 V, Emergency, Ballast, Florescent Light Fixtures	9	each	$	135.30	$	1,218	0.06%	$	1,218
265213	THE - 24 V, Emergency, Ballast, Florescent Light Fixtures	3	each	$	135.30	$	406	0.02%	$	406
265213	TNE - 24 V, Emergency, Ballast, Florescent Light Fixtures	1	each	$	135.30	$	135	0.01%	$	135
265313	EX1 - Exit Light, Single Face, LED, Alum, 120/277, w/ Emerg. Lig	7	Each	$	219.30	$	1,535	0.08%	$	1,535

	Mech. Equip, Elect. Power Wiring - Upfit A	**47,675**	**sqft**	**$**	**3.61**	**$**	**151,128**	**7.72%**	**$ 151,128**
260513	Wire, THWN-THHN, #12 Stranded Copper	80	Clf	$	34.13	$	2,731	0.14%	$ 2,731
260513	Wire, THWN-THHN, #12 Stranded Copper	9	Clf	$	34.13	$	307	0.02%	$ 307
260513	Wire, THWN-THHN, #10 Stranded Copper	6	Clf	$	49.41	$	296	0.02%	$ 296
260513	Wire, THWN-THHN, #10 Stranded Copper	12	Clf	$	49.41	$	593	0.03%	$ 593
260513	Wire, THWN-THHN, #10 Stranded Copper	6	Clf	$	49.41	$	296	0.02%	$ 296
260513	Wire, THWN-THHN, #8 Stranded Copper	3	Clf	$	74.55	$	224	0.01%	$ 224
260513	Wire, THWN-THHN, #8 Stranded Copper	3	Clf	$	74.55	$	224	0.01%	$ 224
260513	Wire, THWN-THHN, #8 Stranded Copper	3	Clf	$	74.55	$	224	0.01%	$ 224
260513	Wire, THWN-THHN, #8 Stranded Copper	3	Clf	$	74.55	$	224	0.01%	$ 224
260513	Wire, THWN-THHN, #8 Stranded Copper	3	Clf	$	74.55	$	224	0.01%	$ 224
260513	Wire, THWN-THHN, #8 Stranded Copper	3	Clf	$	74.55	$	224	0.01%	$ 224
260513	Wire, THWN-THHN, #8 Stranded Copper	3	Clf	$	74.55	$	224	0.01%	$ 224
260513	Wire, THWN-THHN, #8 Stranded Copper	3	Clf	$	74.55	$	224	0.01%	$ 224
260513	Wire, THWN-THHN, #6 Stranded Copper	2	Clf	$	107.59	$	194	0.01%	$ 194
260513	Wire, THWN-THHN, #6 Stranded Copper	18	Clf	$	107.59	$	1,937	0.10%	$ 1,937
260513	Wire, THWN-THHN, #6 Stranded Copper	36	Clf	$	107.59	$	3,873	0.20%	$ 3,873
260513	Wire, THWN-THHN, #6 Stranded Copper	18	Clf	$	107.59	$	1,937	0.10%	$ 1,937
260513	Wire, THWN-THHN, #6 Stranded Copper	8	Clf	$	107.59	$	861	0.04%	$ 861
260513	Wire, THWN-THHN, #6 Stranded Copper	8	Clf	$	107.59	$	861	0.04%	$ 861
260513	Wire, THWN-THHN, #6 Stranded Copper	8	Clf	$	107.59	$	861	0.04%	$ 861
260513	Wire, THWN-THHN, #6 Stranded Copper	8	Clf	$	107.59	$	861	0.04%	$ 861
260513	Wire, THWN-THHN, #6 Stranded Copper	8	Clf	$	107.59	$	861	0.04%	$ 861
260513	Wire, THWN-THHN, #6 Stranded Copper	8	Clf	$	107.59	$	861	0.04%	$ 861
260513	Wire, THWN-THHN, #6 Stranded Copper	8	Clf	$	107.59	$	861	0.04%	$ 861
260513	Wire, THWN-THHN, #6 Stranded Copper	8	Clf	$	107.59	$	861	0.04%	$ 861
260513	Wire, THWN-THHN, #2 Stranded Copper	5	Clf	$	230.69	$	1,246	0.06%	$ 1,246
260533	Conduit, 1" Dia, Galv. Steel	60	lnft	$	5.80	$	348	0.02%	$ 348
260533	Conduit, 1" Dia, Galv. Steel	60	lnft	$	5.80	$	348	0.02%	$ 348
260533	Conduit, 1" Dia, Galv. Steel	60	lnft	$	5.80	$	348	0.02%	$ 348
260533	Conduit, 1" Dia, Galv. Steel	60	lnft	$	5.80	$	348	0.02%	$ 348
260533	Conduit, 1-1/4" dia, Galv. Steel	60	lnft	$	5.56	$	334	0.02%	$ 334
260533	Conduit, 1-1/4" dia, Galv. Steel	60	lnft	$	5.56	$	334	0.02%	$ 334
260533	Conduit, 1-1/4" dia, Galv. Steel	60	lnft	$	5.56	$	334	0.02%	$ 334
260533	Conduit, 1-1/4" dia, Galv. Steel	60	lnft	$	5.56	$	334	0.02%	$ 334
260533	Conduit, 2" Dia, Galv. Steel	180	lnft	$	11.06	$	1,992	0.10%	$ 1,992
260533	Conduit, 2" Dia, Galv. Steel	180	lnft	$	11.06	$	1,992	0.10%	$ 1,992
260533	Conduit, 2" Dia, Galv. Steel	180	lnft	$	11.06	$	1,992	0.10%	$ 1,992
260533	Conduit, 2" Dia, Galv. Steel	180	lnft	$	11.06	$	1,992	0.10%	$ 1,992
260533	Conduit, 2" Dia, Galv. Steel	180	lnft	$	11.06	$	1,992	0.10%	$ 1,992
260533	Conduit, 2" Dia, Galv. Steel	180	lnft	$	11.06	$	1,992	0.10%	$ 1,992
260533	Conduit, 2" Dia, Galv. Steel	180	lnft	$	11.06	$	1,992	0.10%	$ 1,992
260533	Conduit, 2" Dia, Galv. Steel	180	lnft	$	11.06	$	1,992	0.10%	$ 1,992
260533	Conduit, 3/4" dia, IMC Conduit	1,200	lnft	$	5.07	$	6,089	0.31%	$ 6,089
260533	Conduit, 1" dia, IMC Conduit	600	lnft	$	7.15	$	4,292	0.22%	$ 4,292
260533	Conduit, 1" dia, IMC Conduit	600	lnft	$	7.15	$	4,292	0.22%	$ 4,292
260533	Conduit, 1-1/4" dia, IMC Conduit	180	lnft	$	8.45	$	1,520	0.08%	$ 1,520
260533	Conduit, 3/4" Dia, EMT Conduit	300	lnft	$	1.89	$	567	0.03%	$ 567
260533	Conduit, 1-1/4" Dia, EMT Conduit	600	lnft	$	3.52	$	2,112	0.11%	$ 2,112
260534	Junction Boxes, 4"x4" x 1.5" w/ Cover, PS	14	Each	$	2.92	$	41	0.00%	$ 41
260534	Junction Boxes, 8"x8" x 4" w/ cover, pressed steel	12	Each	$	3.51	$	42	0.00%	$ 42
260534	Junction Boxes, 8"x8" x 4" w/ cover, pressed steel	12	Each	$	3.51	$	42	0.00%	$ 42
260534	Junction Boxes, 8"x8" x 4" w/ cover, pressed steel	12	Each	$	3.51	$	42	0.00%	$ 42
260534	Junction Boxes, 8"x8" x 4" w/ cover, pressed steel	12	Each	$	3.51	$	42	0.00%	$ 42
260534	Junction Boxes, 8"x8" x 4" w/ cover, pressed steel	12	Each	$	3.51	$	42	0.00%	$ 42
260534	Junction Boxes, 8"x8" x 4" w/ cover, pressed steel	12	Each	$	3.51	$	42	0.00%	$ 42
260534	Junction Boxes, 8"x8" x 4" w/ cover, pressed steel	12	Each	$	3.51	$	42	0.00%	$ 42
262726	Receptacle, 80 Amp, 240 Volt, Duplex,	12	Each	$	257.00	$	3,084	0.16%	$ 3,084
262726	Receptacle, 80 Amp, 240 Volt, Duplex,	12	Each	$	257.00	$	3,084	0.16%	$ 3,084
262726	Receptacle, 80 Amp, 240 Volt, Duplex,	12	Each	$	257.00	$	3,084	0.16%	$ 3,084
262726	Receptacle, 80 Amp, 240 Volt, Duplex,	12	Each	$	257.00	$	3,084	0.16%	$ 3,084
262726	Receptacle, 80 Amp, 480 Volt, Duplex,	12	Each	$	297.00	$	3,564	0.18%	$ 3,564
262726	Receptacle, 80 Amp, 480 Volt, Duplex,	12	Each	$	297.00	$	3,564	0.18%	$ 3,564
262726	Receptacle, 80 Amp, 480 Volt, Duplex,	12	Each	$	297.00	$	3,564	0.18%	$ 3,564
262726	Receptacle, 80 Amp, 480 Volt, Duplex,	12	Each	$	297.00	$	3,564	0.18%	$ 3,564

262815	Safety switches, 80 amp, 2P-Fused, 250 Volt, NEMA 1	12	each	$	506.50	$	6,078	0.31%	$	6,078
262815	Safety switches, 80 amp, 2P-Fused, 250 Volt, NEMA 1	12	each	$	506.50	$	6,078	0.31%	$	6,078
262815	Safety switches, 80 amp, 2P-Fused, 250 Volt, NEMA 1	12	each	$	506.50	$	6,078	0.31%	$	6,078
262815	Safety switches, 80 amp, 2P-Fused, 250 Volt, NEMA 1	12	each	$	506.50	$	6,078	0.31%	$	6,078
262815	Safety Switches, 20 amp, 3P-Fused, 600 Volt, NEMA 1	3	each	$	698.50	$	2,096	0.11%	$	2,096
262815	Safety Switches, 30 amp, 3P-Fused, 600 Volt, NEMA 1	6	each	$	-			0.00%	$	-
262815	Safety Switches, 60 amp, 3P-Fused, 600 Volt, NEMA 1	12	each	$	794.50	$	9,534	0.49%	$	9,534
262815	Safety Switches, 60 amp, 3P-Fused, 600 Volt, NEMA 1	12	each	$	794.50	$	9,534	0.49%	$	9,534
262815	Safety Switches, 60 amp, 3P-Fused, 600 Volt, NEMA 1	12	each	$	794.50	$	9,534	0.49%	$	9,534
262815	Safety Switches, 60 amp, 3P-Fused, 600 Volt, NEMA 1	12	each	$	794.50	$	9,534	0.49%	$	9,534
262815	Safety Switches, 100 amp, 3P-Fused, 600 Volt, NEMA 1	3	each	$	-			0.00%	$	-
262815	Safety Switches, 100 amp, 3P-Fused, 600 Volt, NEMA 1	3	each	$	-			0.00%	$	-
262815	Safety Switches, 200 amp, Nema 3R, 600 volt, 3 pole FUSED	1	each	$	-			0.00%	$	-
	SW - Asphalt Drive Rear - Sealcoating Parking - Upfit A	**11,328**	**sqyd**	**$**	**4.10**	**$**	**47,914**	**2.45%**	**$**	**47,914**
010110	Surveying Site Layout and Elevations, (4MH/MSY)	20	hour	$	64.89	$	1,298	0.07%	$	1,298
311010	Topsoil, Ideal, Strip & Respread, on Site,	120	cuyd	$	3.67	$	440	0.02%	$	440
312154	Compaction, Vibratory Roller 8" lifts, select fill	600	cuyd	$	0.90	$	537	0.03%	$	537
312159	Excav. / Load D6 Track Loader, Med Material	600	cuyd	$	1.91	$	1,148	0.06%	$	1,148
321123	BC, 6" deep, 3/4" Crusher Run Base, Compacted	900	sqyd	$	4.19	$	3,774	0.19%	$	3,774
321123	BC, Prime, .30 gal, ,per SY	900	sqyd	$	0.64	$	574	0.03%	$	574
321216	ACP, 2", Wearing Course, Per SY	900	sqyd	$	10.97	$	9,870	0.50%	$	9,870
321216	Sealcoating, petroleum resistant, under 1000 s.y	4,610	sqyd	$	3.00	$	13,830	0.71%	$	13,830
321723	Parking Lines 4", Alkyd	1,615	lnft	$	0.17	$	277	0.01%	$	277
321723	Painted Handicap Symbol, Alkyd	6	each	$	23.50	$	141	0.01%	$	141
321723	Painting Handicapped, Parking, Cross Walk Lines, Alkyd	3	each	$	85.75	$	257	0.01%	$	257
323113	Fence, 6' Hi , 6 Ga, Chain Link, Galv, w/ 3 Strand Barbed-Wire	460	lnft	$	13.91	$	6,396	0.33%	$	6,396
323113	Gate, Double 12', 24' x 12', 1-5/8" frame, Galv. steel, each,	3	opng	$	2,820.95	$	8,463	0.43%	$	8,463
324810	Signs, 24" x 24", Reflectorized " Handicap Parking"	6	each	$	151.74	$	910	0.05%	$	910
	8" - Masonry Walls - NR - HH 8' - Upfit B	**18,263**	**sqft**	**$**	**0.91**	**$**	**2,485**	**0.13%**	**$**	**2,485**
022212	Core, 5/8" Diam Drilled Hole, in Conc. Floor w/ Layout	405	in	$	1.25	$	507	0.03%	$	507
032130	Reinforcing #5 Bar, Dowels, 2.5 Ft, Deformed,	1,012	each	$	1.95	$	1,978	0.10%	$	1,978
043110	**Conc.Block, Point and Clean**	**2,160**	**sqft**	**$**	**0.23**	**$**	**13,347**	**0.68%**	**$**	**13,347**
043110	Conc.Block, 8" X 8" X 16", BU,	1,012	each	$	5.29	$	5,353	0.27%	$	5,353
043130	Conc Blk, 8x8x16, BOND BEAM,	270	lnft	$	4.80	$	1,295	0.07%	$	1,295
043230	8" Blk Grout Solid 8" o.c. (90 sf/cy)	270	sqft	$	3.06	$	826	0.04%	$	826
043230	8" Blk Grout @ 32" o.c. (360 sf/cy)	810	sqft	$	0.76	$	618	0.03%	$	618
043240	Bond Beam, (2) - #5, Mas., Reinf (2.52#/lf)	540	lnft	$	2.25	$	1,217	0.06%	$	1,217
043240	Mas., Reinf, #5 @ 16" o.c. (2.426#/sf)	1,080	sqft	$	2.17	$	2,342	0.12%	$	2,342
043240	Reinforcing #5 Bar, Dowels, 2 Ft Long, Deformed,	56	each	$	3.15	$	176	0.01%	$	176
049605	Mortar, S Type, 1:1:6	38	bag	$	25.46	$	968	0.05%	$	968
049630	Sand, for Mortar, Anderson / Clemson	7	Tons	$	22.17	$	155	0.01%	$	155
049670	Joint Reinforcing, 8" W, Galv, Wire, Ladder	11	Clf	$	19.40	$	213	0.01%	$	213
049690	Control Joint, PVC, 8" Wall	32	lnft	$	5.72	$	183	0.01%	$	183
	Conc. Laydown Pad - Upfit B	**4,240**	**sqft**	**$**	**1.96**	**$**	**7,682**	**0.39%**	**$**	**7,682**
033031	Edge Slab. - 24" x 18" Footing,	68	lnft	$	41.90	$	2,849	0.15%	$	2,849
321313	SOG, 6" Conc. Paving,	1,025	sqft	$	4.71	$	4,833	0.25%	$	4,833
	Interior - Doors and Windows - Upfit B	**41,750**	**sqft**	**$**	**0.13**	**$**	**5,358**	**0.27%**	**$**	**5,358**
081070	HM Frames, 3'-0" x 7'-0", Welded,16 ga. 8-3/4"	2	each	$	132.55	$	265	0.01%	$	265
081070	HM Frames,Windows,14 ga. , SF Basis,	48	sqft	$	15.83	$	760	0.04%	$	760
081170	HM Doors, 3'-0" x 7'-0", 16 ga, 1-3/4", insulated, full pnl,	2	each	$	262.57	$	525	0.03%	$	525
081170	HM Dr, Vision Light Kits, 6" x 32", Add	2	each	$	75.00	$	150	0.01%	$	150
083604	Overhead, 12' x 12' , Sectional, comm, steel, 24 ga. manual	1	each	$	2,050.75	$	2,051	0.10%	$	2,051
087101	Hardware, Average, School, Int, Hvy Use, Lever HD, w/ Closer	2	each	$	555.47	$	1,111	0.06%	$	1,111
088118	Float glass, 1/4" thick, tempered, clear	48	sqft	$	10.33	$	496	0.03%	$	496
	Finishes - Floors - Upfit B	**37,960**	**sqft**	**$**	**0.32**	**$**	**12,119**	**0.62%**	**$**	**12,119**
099013	Painting, Floors, Conc., Urethane Coating	4,580	sqft	$	0.55	$	2,524	0.13%	$	2,524
099013	Conc. Floors, Grind Conc. Floors	4,580	sqft	$	2.10	$	9,595	0.49%	$	9,595
	Finishes - Walls and Doors - Upfit B	**79,550**	**sqft**	**$**	**0.05**	**$**	**4,061**	**0.21%**	**$**	**4,061**
099016	Doors, Flush, P/1FC, Brush, (2) Coat, Fr. & Dr.	2	each	$	41.80	$	84	0.00%	$	84
099016	Doors, Roll-up Large, Spray, (3) Coat, Fr. & Dr.	288	sqft	$	0.89	$	257	0.01%	$	257

099020	Paint, Walls, CMU, Roller Work, Alkyd OB, (3) coat	2,160	sqft	$	0.56	$	1,203	0.06%	$ 1,203
099021	Walls / Clgs, Latex, Roller Work, (3) Coat,	7,730	sqft	$	0.33	$	2,517	0.13%	$ 2,517
	Interior 3-5/8" MSW - Upfit B	**8,544**	**sqft**	**$**	**0.42**	**$**	**3,414**	**0.17%**	**$ 3,414**
072118	Insul., 3.5" Tk, R13, 15" W, UF, Fiberglas	655	sqft	$	0.41	$	267	0.01%	$ 267
092102	Accessories, Screws #6 x 1.00"	8	M	$	35.00	$	262	0.01%	$ 262
092105	Drywall, 5/8" Wall, FR,HTF, Commercial	1,310	sqft	$	1.24	$	1,620	0.08%	$ 1,620
092214	Accessories, Screws #8 x 5/8"	0	M	$	56.67	$	18	0.00%	$ 18
092214	Accessories, Hilti, Shot Anchors, 1-1/4" Pin & Load,	1	C	$	60.75	$	63	0.00%	$ 63
092215	MS, 3.58", CSJ, 20 ga., Studs, LF Galv	655	lnft	$	1.49	$	974	0.05%	$ 974
092215	MT, 3.58", CSJ, 20 ga., Track, LF Galv	109	lnft	$	1.93	$	211	0.01%	$ 211
	Interior 6" MSW - Upfit B	**15,848**	**sqft**	**$**	**0.69**	**$**	**10,483**	**0.54%**	**$ 10,483**
072118	Insul., 6.25" Tk, R19, 15" W, UF, Fiberglas	1,620	sqft	$	0.56	$	902	0.05%	$ 902
092102	Accessories, Screws #6 x 1.00"	19	M	$	35.00	$	680	0.03%	$ 680
092105	Drywall, 5/8" Wall, FR,HTF, Commercial	3,402	sqft	$	1.24	$	4,205	0.21%	$ 4,205
092214	Accessories, Screws #8 x 5/8"	1	M	$	56.67	$	46	0.00%	$ 46
092214	Accessories, Hilti, Shot Anchors, 1-1/4" Pin & Load,	3	C	$	60.75	$	172	0.01%	$ 172
092215	MS, 6", CWN, 20 ga., Studs, LF Galv	1,701	lnft	$	2.25	$	3,821	0.20%	$ 3,821
092215	MT, 6", CWN, 20 ga., Track, LF Galv	284	lnft	$	2.32	$	656	0.03%	$ 656
	Equipment - Shop - Upfit B	**29,000**	**sqft**	**$**	**0.36**	**$**	**10,350**	**0.53%**	**$ 10,350**
114020	Welding Booth, Curtains, Contractor Provided, Contractor Install	12	each	$	133.50	$	1,602	0.08%	$ 1,602
114020	Welding Booth, Contractor Provided / Installed	12	each	$	729.00	$	8,748	0.45%	$ 8,748
	Fire Protection - SF Basis - Upfit B	**90,725**	**sqft**	**$**	**0.03**	**$**	**2,500**	**0.13%**	**$ 2,500**
210400	Fire Protection ,Relocate Heads	5,000	sqft	$	0.50	$	2,500	0.13%	$ 2,500
	Plumbing - Water Piping Valves - Ph B	**23**	**each**	**$**	**188.64**	**$**	**3,814**	**0.19%**	**$ 3,814**
221955	Valves, 1/2" Gate Bronze, RS, Threaded, 125 psi,	12	each	$	51.63	$	620	0.03%	$ 620
221955	Valves, 3/4" Gate Bronze, RS, Threaded, 125 psi,	16	each	$	59.94	$	959	0.05%	$ 959
221955	Valves, 1-1/4" Gate Bronze, RS, Threaded, 125 psi,	9	each	$	110.56	$	995	0.05%	$ 995
221955	Valves, 2" Gate Bronze, RS, Threaded, 125 psi,	1	each	$	168.50	$	169	0.01%	$ 169
221955	Valves, 1.25" Globe, 150 psi, Bronze, Threaded	1	each	$	71.56	$	72	0.00%	$ 72
221955	Valves, 1-1/4" Bronze, Relief, Pressure, Threaded,	1	each	$	261.56	$	262	0.01%	$ 262
221960	Valves, 3" Gate, 125 lb., OSY., Iron Body, Threaded	2	each	$	369.25	$	739	0.04%	$ 739
	Argon Gas Piping to Welding - Upfit B	**46,000**	**sqft**	**$**	**0.17**	**$**	**6,694**	**0.34%**	**$ 6,694**
231401	Pipe 3/4", COPPER, Type, L, Tubing w/Cplgs & Hgrs, 10' o.c.	360	lnft	$	8.53	$	3,069	0.16%	$ 3,069
231701	Pipe Steel, 3/4", Galv, Sch 40, Threaded	360	lnft	$	7.62	$	2,743	0.14%	$ 2,743
232955	Valves, Ball, 3/4" Bronze, 150 psi, Threaded,	24	each	$	18.35	$	440	0.02%	$ 440
232955	Valves, Ball, 3/4" Bronze, 150 psi, Threaded,	24	each	$	18.35	$	440	0.02%	$ 440
	Dust Collection System DC-1 - Upfit B	**80,058**	**cfm**	**$**	**1.41**	**$**	**8,378**	**0.43%**	**$ 8,378**
239251	Ductwork, 6" Spiral Single Rib, SMACNA Stds.. Galv, (1.578) sf)	432	lnft	$	4.58	$	1,977	0.10%	$ 1,977
239251	Ductwork, 10" Spiral Single Rib, SMACNA Stds.. Galv, (2.62) sf)	10	lnft	$	7.28	$	73	0.00%	$ 73
239251	Ductwork, 12" Spiral Single Rib, SMACNA Stds.. Galv, (3.14) sf)	14	lnft	$	8.58	$	120	0.01%	$ 120
239251	Ductwork, 18" Spiral Single Rib, SMACNA Stds.. Galv, (4.71) sf)	20	lnft	$	14.15	$	283	0.01%	$ 283
239251	Ductwork, 24" Spiral Single Rib, SMACNA Stds.. Galv, (6.28) sf)	40	lnft	$	21.74	$	870	0.04%	$ 870
239251	Ductwork, 30" Spiral Single Rib, SMACNA Stds.. Galv, (7.85) sf)	48	lnft	$	25.66	$	1,232	0.06%	$ 1,232
239251	Ductwork, 32" Spiral Single Rib, SMACNA Stds.. Galv, (8.38) sf)	65	lnft	$	29.13	$	1,893	0.10%	$ 1,893
239251	Ductwork, 6" 90 deg. L, Spiral Duct, SMACNA Stds.. Galv,	24	each	$	32.85	$	788	0.04%	$ 788
239251	Ductwork, 30" 90 deg. L, Spiral Duct, SMACNA Stds.. Galv,	2	each	$	365.96	$	732	0.04%	$ 732
239251	Ductwork, 32" 90 deg. L, Spiral Duct, SMACNA Stds.. Galv,	1	each	$	410.30	$	410	0.02%	$ 410
	Electrical - Demolition - Ph B	**42,425**	**sqft**	**$**	**0.52**	**$**	**16,817**	**0.86%**	**$ 16,817**
260190	Elect. Demo. Panel. Mh, (50 mh / panel)	450	MH	$	22.73	$	10,230	0.52%	$ 10,230
260190	Elect. Demo. Recept./Switches Mh, (1 mh/Recpt)	150	MH	$	24.25	$	3,638	0.19%	$ 3,638
260190	Elect. Demo. Light Fixtures Mh, (1 mh/ Fix)	88	MH	$	24.25	$	2,134	0.11%	$ 2,134
260190	Electrical Demo. Mech. Roof Top Units, (4 MH each)	10	Each	$	81.51	$	815	0.04%	$ 815
	Electrical - Panels / Trans. - Upfit B	**59,425**	**sqft**	**$**	**1.27**	**$**	**70,369**	**3.59%**	**$ 70,369**
262213	Dry type xfmr, 30 KVA DDTX 3PH 480V-208Y/120V	3	each	$	2,920.40	$	8,761	0.45%	$ 8,761
262215	Transformer Pad Interior 4' x 4'	3	each	$	217.00	$	651	0.03%	$ 651
262416	Panelboards, 225 Amp Brkr, 120/208, 42 Circ, NQOD, 4 Wire,	3	each	$	3,051.00	$	9,153	0.47%	$ 9,153
262416	Panelboards, 1200 amp Brkr, 277/480, 42 circs, I-Line, MDP	2	each	$	25,902.00	$	51,804	2.64%	$ 51,804

LARRY D. SHERMAN

"Opinion of Probable Const. Costs"

Construction Document Cost Analysis

Tri-County Technical College

Industrial Tech Center Project 1B

Renovations and Additions

	Light Fixtures - Wiring & Conduit - Upfit B	**79,400**	**sqft**	**$**	**0.12**	**$**	**8,109**	**0.41%**	**$**	**8,109**
260513	Wire, THWN-THHN, #12 Stranded Copper	32	Clf	$	34.13	$	1,092	0.06%	$	1,092
260513	Wire, THWN-THHN, #12 Stranded Copper	2	Clf	$	34.13	$	82	0.00%	$	82
260513	Wire, THWN-THHN, #8 Stranded Copper	4	Clf	$	74.55	$	298	0.02%	$	298
260513	Wire, THWN-THHN, #6 Stranded Copper	12	Clf	$	107.59	$	1,291	0.07%	$	1,291
260533	Conduit, 3/4" Dia, EMT Conduit	800	lnft	$	1.89	$	1,512	0.08%	$	1,512
260533	Conduit, 3/4" Dia, EMT Conduit	60	lnft	$	1.89	$	113	0.01%	$	113
260533	Conduit, 1" Dia, EMT Conduit	200	lnft	$	2.99	$	599	0.03%	$	599
260534	Outlet Boxes, 2" x 4", PS, Switch Box	2	each	$	2.51	$	5	0.00%	$	5
260534	Junction Boxes, 4"x4" x 1.5" w/ Cover, PS	24	Each	$	2.92	$	70	0.00%	$	70
262726	Toggle, 20 Amp, Light Switch, Single Pole	2	Each	$	10.79	$	22	0.00%	$	22
262726	Wall Plate, Stainless Steel, 1 Gang	2	Each	$	4.24	$	8	0.00%	$	8
265103	IA - 1x4 SM/CH, 2-32W, Wire Guard	24	each	$	103.15	$	2,476	0.13%	$	2,476
265213	IAE - 24 V, Emergency, Ballast, Florescent Light Fixtures	4	each	$	135.30	$	541	0.03%	$	541
	Welders Area C- Power Wiring - Upfit B	**47,675**	**sqft**	**$**	**1.38**	**$**	**58,356**	**2.98%**	**$**	**58,356**
260513	Wire, THWN-THHN, #8 Stranded Copper	3	Clf	$	74.55	$	224	0.01%	$	224
260513	Wire, THWN-THHN, #8 Stranded Copper	3	Clf	$	74.55	$	224	0.01%	$	224
260513	Wire, THWN-THHN, #8 Stranded Copper	3	Clf	$	74.55	$	224	0.01%	$	224
260513	Wire, THWN-THHN, #8 Stranded Copper	3	Clf	$	74.55	$	224	0.01%	$	224
260513	Wire, THWN-THHN, #6 Stranded Copper	8	Clf	$	107.59	$	861	0.04%	$	861
260513	Wire, THWN-THHN, #6 Stranded Copper	8	Clf	$	107.59	$	861	0.04%	$	861
260513	Wire, THWN-THHN, #6 Stranded Copper	8	Clf	$	107.59	$	861	0.04%	$	861
260513	Wire, THWN-THHN, #6 Stranded Copper	8	Clf	$	107.59	$	861	0.04%	$	861
260533	Conduit, 1" Dia, Galv. Steel	60	lnft	$	5.80	$	348	0.02%	$	348
260533	Conduit, 1" Dia, Galv. Steel	60	lnft	$	5.80	$	348	0.02%	$	348
260533	Conduit, 1-1/4" dia, Galv. Steel	60	lnft	$	5.56	$	334	0.02%	$	334
260533	Conduit, 1-1/4" dia, Galv. Steel	60	lnft	$	5.56	$	334	0.02%	$	334
260533	Conduit, 2" Dia, Galv. Steel	180	lnft	$	11.06	$	1,992	0.10%	$	1,992
260533	Conduit, 2" Dia, Galv. Steel	180	lnft	$	11.06	$	1,992	0.10%	$	1,992
260533	Conduit, 2" Dia, Galv. Steel	180	lnft	$	11.06	$	1,992	0.10%	$	1,992
260533	Conduit, 2" Dia, Galv. Steel	180	lnft	$	11.06	$	1,992	0.10%	$	1,992
260534	Junction Boxes, 8"x8" x 4" w/ cover, pressed steel	12	Each	$	3.51	$	42	0.00%	$	42
260534	Junction Boxes, 8"x8" x 4" w/ cover, pressed steel	12	Each	$	3.51	$	42	0.00%	$	42
260534	Junction Boxes, 8"x8" x 4" w/ cover, pressed steel	12	Each	$	3.51	$	42	0.00%	$	42
260534	Junction Boxes, 8"x8" x 4" w/ cover, pressed steel	12	Each	$	3.51	$	42	0.00%	$	42
262726	Receptacle, 80 Amp, 240 Volt, Duplex,	12	Each	$	257.00	$	3,084	0.16%	$	3,084
262726	Receptacle, 80 Amp, 240 Volt, Duplex,	12	Each	$	257.00	$	3,084	0.16%	$	3,084
262726	Receptacle, 80 Amp, 480 Volt, Duplex,	12	Each	$	297.00	$	3,564	0.18%	$	3,564
262726	Receptacle, 80 Amp, 480 Volt, Duplex,	12	Each	$	297.00	$	3,564	0.18%	$	3,564
262815	Safety switches, 80 amp, 2P-Fused, 250 Volt, NEMA 1	12	each	$	506.50	$	6,078	0.31%	$	6,078
262815	Safety switches, 80 amp, 2P-Fused, 250 Volt, NEMA 1	12	each	$	506.50	$	6,078	0.31%	$	6,078
262815	Safety Switches, 60 amp, 3P-Fused, 600 Volt, NEMA 1	12	each	$	794.50	$	9,534	0.49%	$	9,534
262815	Safety Switches, 60 amp, 3P-Fused, 600 Volt, NEMA 1	12	each	$	794.50	$	9,534	0.49%	$	9,534
	Metal Canopy System - Upfit E	**4,240**	**sqft**	**$**	**5.76**	**$**	**23,843**	**1.22%**	**$**	**23,843**
033031	COL. FTG. - 36" x 36" x 24"	2	each	$	342.00	$	667	0.03%	$	667
033031	Edge Slab. - 24" x 18" Footing,	98	lnft	$	41.90	$	4,107	0.21%	$	4,107
050938	Hilti, wedge anchors, cs, 3/4" diameter, 10" long	17	each	$	6.85	$	116	0.01%	$	116
051200	Beams, W 14 x 22 WF, A992 Steel	43	lnft	$	37.30	$	1,604	0.08%	$	1,604
051220	Columns, 6" x 6" x 3/16", TSS	36	lnft	$	23.87	$	859	0.04%	$	859
051234	Plates, Struct.Steel Plates, 3/4" Thick	2	sqft	$	60.12	$	117	0.01%	$	117
051234	Plates, Struct. Steel Plates, 1" Thick	2	sqft	$	80.16	$	156	0.01%	$	156
051250	Steel Angles, 1.5 x 1.5 x 1/8, angle framing,	142	lnft	$	1.57	$	223	0.01%	$	223
051250	Steel Angles, 5 x 3 x 3/8, angle framing,	32	lnft	$	10.00	$	320	0.02%	$	320
052110	Open Web Joists K Horiz Brdg 10K1	42	lnft	$	6.03	$	253	0.01%	$	253
052110	Open Web Joists K Horiz Brdg 14K1	116	lnft	$	6.27	$	727	0.04%	$	727
053104	Met. Deck, 1.5", Type "B", 22 ga., Open GALV.	800	sqft	$	1.95	$	1,563	0.08%	$	1,563
072203	1.5", R-7.5, Styrofoam Roof Deck Insulation	8	sq	$	95.40	$	763	0.04%	$	763
074107	Steel Roof Panel, 24 Ga, Standing Seam, 16" w/ Kynar 500,	765	sqft	$	8.67	$	6,633	0.34%	$	6,633
076204	Flashing, 20 ga., Galv., Kynar 500	155	sqft	$	4.75	$	736	0.04%	$	736
321313	SOG, 6" Conc. Paving,	1,060	sqft	$	4.71	$	4,998	0.26%	$	4,998
	Industrial Tech Center Project 1B	**42,425**	**sqft**	**$**	**46.17**	**$**	**1,966,341**	**100.39%**	**$**	**1,958,678**

South Carolina Department of Labor, Licensing and Regulation
CONTRACTORS LICNESING BOARD
110 Centerview Drive, Columbia, S.C. 29210
P.O. Box 11329, Columbia, S.C. 29211-1329
Telephone 803-896-4634 Fax 803-896-4364
www.llr.state.sc.us

MEMORANDUM

To: Building Officials
From: Micheal S. Anderson, Administrator, S. C. Contractors' Licensing Board
Date: 24 July, 2008
Subject: General Contractor Concrete Classification:

This memorandum is a clarification as to when an entity may bid concrete work. If either type of work as described in Section 40-11-410 (4) (b), which exceeds $5,000, a general contractor with a building classification can bid or perform this work. The South Carolina Contractors licensing Board addressed this issue at the Board meeting held on July, 17, 2008.

A general contractor with a building classification may perform concrete work as described in 40-11-410 (4) (b) as long as it falls within their group limitation.

Micheal S. Anderson
Administrator
South Carolina Contractors' Licensing Board