



CITY OF FAYETTEVILLE



Fire Station #16 GMP #1 Submission

Barr & Barr / HORUS February 09, 2026



3109 Poplarwood Court
Suite 303
Raleigh, NC 27604

February 09, 2026

City of Fayetteville
Project & Contract Manager
225 Ray Avenue, Suite 102
Fayetteville, NC 28301
Attn.: Mr. Roger Hunt

Subject: GMP Package #01 for City of Fayetteville Fire Station #16 Project

Mr. Hunt,

On behalf of Barr & Barr / HORUS, we are pleased to submit our GMP #01 Proposal for Fire Station #16 the City's review and acceptance.

Enclosed you will find a thorough and detailed GMP Package based on the Design Development set of drawings, from David Kane Architects dated 11/25/2025. Our package contains a summary of the total project estimated cost, and a summary of cost for GMP Package 01 and GMP Package #02. In addition to the summaries, we have included a detailed estimate of quantitative take-offs and real-time, trade market unit rates.

Working with the project team, Barr & Barr / HORUS compiled an initial alternate list for added value additions should trade pricing received are less than the estimate. Because the drawings are still in progress, our team has provided a list of clarifications and assumptions to complete our estimate analysis and to assist the design team in capturing scope to stay within the established budget. Last, our GMP Package #01 includes an overall project schedule for your review and consideration.

Considering the complete GMP Package #01 as presented, we request the City's acceptance and release to open public bids associated with this GMP on 3/18/2026.

A handwritten signature in black ink, appearing to read 'Ed Green'.

Ed Green
Project Executive – Raleigh Office
Barr & Barr | HORUS

Enclosure

Fayetteville Fire Station #16
 1710 Cedar Creek Rd
 Fayetteville, NC 28312



Design Development Set
 Set Date: 11/25/2025
 0.00
 Report Date: 2/08/2026
 DD Estimate: R3

ESTIMATE

GMP #01

GMP #02

Code	Element	\$/SF	2/08/2026 Estimate Totals	GMP #01 - 2/08/2026	GMP #02 - 2/08/2026
	Direct Work:		10,460 GSF		
01	General Trades	\$27.85	\$291,334	\$262,042	\$29,292
02	Demolition	\$0.00	\$0		\$0
02	Pre-demolition Abatement	\$0.00	\$0		\$0
03	Cast-In-Place Concrete	\$26.42	\$276,337	\$276,337	\$0
04	Unit Masonry	\$77.58	\$811,466		\$811,466
05	Metals	\$25.39	\$265,579		\$265,579
06	Woods & Plastics	\$12.08	\$126,320		\$126,320
07	Thermal & Moisture	\$36.72	\$384,123		\$384,123
08	Openings	\$28.59	\$299,003		\$299,003
09	Finishes	\$46.92	\$490,793		\$490,793
10	Specialties	\$5.52	\$57,765		\$57,765
11	Residential / Commercial Equipment	\$0.33	\$3,450		\$3,450
12	Furnishings	\$0.39	\$4,063		\$4,063
13	Special Construction -Not Used	\$0.00	\$0		\$0
14	Conveying	\$0.00	NIC		NIC
21	Fire Protection	\$6.89	\$72,085		\$72,085
22	Plumbing	\$23.49	\$245,719		\$245,719
23	HVAC	\$32.44	\$339,282		\$339,282
26	Electrical	\$55.65	\$582,149	\$175,544	\$406,605
28	Communications	\$2.44	\$25,516	\$0	\$25,516
31	Site Prep & Earthwork	\$39.97	\$418,087	\$418,087	\$0
32	Site Improvements & Landscaping	\$52.77	\$551,983	\$0	\$551,983
33	Utilities	\$29.62	\$309,861	\$309,861	\$0
	Direct Work Total:		\$531.06 \$5,554,912	\$1,441,870	\$4,113,042
	Design Contingency 4%		\$222,196	\$57,675	\$164,522
	(previously 5%)				
	Subtotal		\$5,777,108	\$1,499,544	\$4,277,564
	Trade Partner P&P Bonds		\$114,518	\$29,991	\$84,527
	Total Cost of Work		\$5,891,627	\$1,529,535	\$6,051,207
	General Conditions		\$622,149	\$266,635	\$355,514
	Building Permit		\$35,000	\$10,000	\$25,000
	Builders Risk Allowance		\$18,232	\$4,733	\$13,499
	GLI / WC / Umbrella 2.95%		\$193,727	\$50,294	\$143,433
	Owner Contingency 3% cost of work		\$176,749	\$45,886	\$130,863
	CM Contingency 3% cost of work		\$117,833	\$30,591	\$87,242
	P&P Bond 0.9% construction total		\$63,183	\$16,403	\$46,780
	4.5% cost of work		\$293,120	\$76,097	\$217,023
	Construction Total		\$7,411,618	\$2,030,174	\$5,381,444

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VE Tracking Log

Item No.	Description of Work	Estimated Cost	Accepted	Rejected	Pending
1	30-year asphalt shingles & fire rated ply substrate, in lieu of standing seam metal roof TOTAL	 -\$265,011	X		
2	GAF Timbersteel metal roofing system in lieu of standing seam metal roof TOTAL	 -\$197,218		X	
3	Fiber cement brick panel (above water table) in lieu of brick veneer TOTAL	 -\$91,630		X	
4	Fiber cement planks (above water table) in lieu of brick veneer TOTAL	 -\$102,789		X	
5	Horman speed-guardian 5000 overhead coiling doors in lieu of bi-fold doors at Southwest (front) elevation TOTAL	 -\$53,302		X	
6	Overhead sectional doors at all apparatus bay door locations in lieu of bi-fold doors TOTAL	 -\$145,832	X		
7	Horman flexon low-speed overhead coiling door in lieu of sectional overhead door at rear elevation TOTAL	 -\$12,864			X
8	lieu of custom screening TOTAL	 -\$3,138	X		
9	Decrease flagpoles from 2 count to 1 total TOTAL	 -\$4,211	X		
10	Hardi plank soffit (painted) in lieu of exterior metal soffit system TOTAL	 -\$13,957		X	
11	Water resistant exterior gypsum board with painting in lieu of exterior metal soffit system TOTAL	 -\$27,913		X	
12	Correction of 1 hr rated walls to 30-min rating, and removed misc. batt insulation TOTAL	 -\$30,194	X		

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13	Mech Yard & Generator Enclosure Steel Gate Removal TOTAL	-\$8,314	X		
14	Remove Added HVAC Warranty (using separate temp cooling & heating, if req.) TOTAL	-\$2,245	X		
15	Remove Added Electrical warranty (using separate temp cooling & heating, if req.) TOTAL	-\$7,201	X		
16	Reduce Ceiling Fan Unit Cost TOTAL	-\$119	X		
17	Design Contingency Reduction from 5% to 4% (and reduction associated with selected options) TOTAL	-\$83,623	X		
18	Remove Residential Appliance (owner purchase) TOTAL	-\$16,699	X		
19	Equipment: ready rack smart-dry, gear dryer & high performance washer extractor TOTAL	-\$44,308	X		
20	Reduce Height of generator enclosure to 5' height total, precast cap remains in design TOTAL	-\$18,480			X
21	Replace CMU & brick veneer enclosure at generator with board-on-board pressure treated 6' tall wood fence TOTAL	-\$38,405			X
22	Replace CMU & brick veneer enclosure at generator with evergreen trees and bushes screening TOTAL	-\$30,645			X
23	Replace CMU & brick veneer enclosure at generator with vinyl fencing TOTAL	-\$40,800			X

ASSUMPTIONS & CLARIFICATIONS (for GMP Bid Package #01)

- 1.00 The following are clarification notes and information presented in our approach to the DD estimate for the Fayetteville Fire Station #16. Our estimate values are based upon current market input and the Design Development (DD) Set of documents dated 11/25/2025. Please note that the estimate contained in this package does not incorporate the progressive civil design for TRC submission.
- 2.00 General Clarifications
- 2.01 Design Contingency is included at a value of 4% of the direct cost of work. This contingency will remaining in place through final trade pricing and award, for all GMP Packages.
- a. Additionally, the Design Contingency will remain in place to cover cost associated with the issuance of permit approved documents, and pricing of the final Construction Documents.
- b. At the completion of the pricing exercises, Barr & Barr / HORUS will acquire the split saving value in accordance with the Owner agreement. The remaining balance of savings will roll into the project contingency category to facilitate the project completion.
- 2.02 This estimate does not include any additional contingencies for market volatility associated with tariffs.
- 2.03 Our estimate is based on rates for 2026 for labor. Materials, equipment, and other components used in the estimate are based on current market values. We did not account for additional costs that may arise from abnormal market fluctuations.
- 2.04 Final specifications are understood to be non-proprietary and will contain at least three equal manufacturers or be open to the three or more competitive bids. Additionally, our DD estimate is based on the expectation that reasonable substitutions may be made where three equivalent manufacturers are not provided in the specs.
- 2.05 We have assumed that the Commissioning Agent (if required) will be hired by the City of Fayetteville. We have included assisting the Commissioning Agent as needed.
- 2.06 Removal, handling or replacement of unsuitable soils, mass rock and trench rock are not included in this estimate.
- 2.07 The following 3rd party items are not included in this estimate. All direct and indirect costs associated with the items listed below are specifically excluded at this time, but may be added to the current estimate following future discussions:
- a. Cost associated with reviews by insurance underwriters such as IRI or FM.
- b. Business operations taxes and other taxes related to the operation of the project.
- c. Title insurance.
- d. Permanent utility service charges upon substantial completion.
- e. Right of way encroachment agreement.
- f. Third party testing of materials used on site.
- g. Third party compaction testing & inspections.
- h. All third party special inspections.
- i. Commissioning agent cost.
- j. Deposits for utility meters.
- 2.08 Trade partner performance and payment bonds are included for all trades. We have not excluded trade category line items under \$300K. Please see alternates for possible savings on non-critical trade packages with an estimated budget below \$300K.
- 3.00 General Exclusions
- a. No offsite work required by municipality or NC DOT is included in this estimate.
- b. Utility company installation charges and/or connection fees.
- c. Latent site conditions, including hazardous soil and contaminated groundwater remediation.
- d. Testing of existing soil for contaminants beyond fuel tank removal activity.
- e. Rock or obstruction excavation, unless specifically identified.
- f. Drilling of monitoring wells or monitoring of water.
- g. Furniture, furnishing and equipment is provided by Owner, unless noted below.
- h. Drilling of monitoring wells or monitoring of water.
- i. Owner project administration costs.

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ASSUMPTIONS & CLARIFICATIONS (for GMP Bid Package #01)

- 4.00 Concrete
 - 4.01 There is n floor flatness (FF) or floor levelness (FL) at the time of this estimate. We have assumed industry standard at non-sloped floor locations.
- 5.00 Masonry
 - 5.01 There is no specified brick color at the time of the estimate. The documents instruct the CM@R to provide unit cost allowances at time of bid.
 - 5.02 We have included an in-place mock-up, in lieu of a stand-alone mock-up due to the time constraints of the project.
- 6.00 Metals
 - 6.01 We have included an allowance of \$60,000 for steel trusses.
- 7.00 Wood & Plastics
 - 7.01 We have included the cost for the solid surface window sill materials in design contingency. We will deduct cost for this item at the CD stage once the design is clearly defined.
 - 7.02 The estimate includes an allowance of \$45,000 for dorm room wardrobes.
- 8.00 Thermal & Moisture
 - 8.01 We have not included any fireproofing in this estimate.
- 9.00 Openings
 - 9.01 This estimate does not include independent onsite water and air infiltration testing.
 - 9.02 Our base estimate includes overhead sectional doors at the four apparatus bay openings.
- 10.00 Signage
 - 10.01 This estimate includes a signage allowance of \$18,490. In this number is a monumental sign allowance of \$10K.
- 11.00 Appliances
 - 11.01 Our estimate does not include cost for the purchasing and delivery of residential appliances to the project. We have included cost for placement and connections to appliances provide by the Owner.
 - 11.02 This estimate does not include cost for purchasing and delivery freight for: ready rack smart-dry gear dyer cabinet, or high capacity performance washer extractor.
- 12.00 Data & Audio Visual
 - 12.01 This estimate does not include cost for audio visual cabling purchase, deliveries, install, connections, equipment, or testing.
 - 12.02 Our estimate does not include cost for data low voltage cabling purchase, deliveries, install, connections, equipment or testing.
- 13.00 Security System
 - 13.01 Our estimate does not include cost for security cabling, equipment and installation and testing of the noted items.



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ASSUMPTIONS & CLARIFICATIONS (for GMP Bid Package #01)

14.00 The following Technical Programming & Interface shall be by Owner

- 14.01 Tele data Head end equipment installation & programming
- 14.02 CATV interface with Tel/data System
- 14.03 Security interface with Tel/data System
- 14.04 Public Address & Clock interface with Tel/data System

15.00 Fire Protection

- 15.01 This estimate doors not include a fire pump.

16.00 Plymovent Support

- 16.01 This estimate includes an allowance of \$16K for plymovent support and infrastructure.

17.00 Electrical

- 17.01 The schedule assumes an order release, by the Owner and their representatives, and design team, of the transformer during the month of March 2026 with a lead time no longer than 9 months, to hold the schedule Substantial Completion date.

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ESTIMATE SUMMARY

Code	Element	Total Building	\$/SF	Total Site Work	\$/SF	Total
	Direct Work:		10,460 GSF		10,460 GSF	
01	General Trades	\$291,334	\$27.85			\$291,334
02	Demolition			\$0	\$0.00	\$0
02	Pre-demolition Abatement			\$0	\$0.00	\$0
03	Cast-In-Place Concrete	\$276,337	\$26.42			\$276,337
04	Unit Masonry	\$811,466	\$77.58			\$811,466
05	Metals	\$265,579	\$25.39			\$265,579
06	Woods & Plastics	\$126,320	\$12.08			\$126,320
07	Thermal & Moisture	\$384,123	\$36.72			\$384,123
08	Openings	\$299,003	\$28.59			\$299,003
09	Finishes	\$490,793	\$46.92			\$490,793
10	Specialties	\$57,765	\$5.52			\$57,765
11	Residential / Commercial Equipment	\$3,450	\$0.00			\$3,450
12	Furnishings	\$4,063	\$0.39			\$4,063
13	Special Construction - Not Used	\$0	\$0.00			\$0
14	Conveying	NIC	\$0.00			NIC
21	Fire Protection	\$72,085	\$6.89			\$72,085
22	Plumbing	\$245,719	\$23.49			\$245,719
23	HVAC	\$339,282	\$32.44			\$339,282
26	Electrical	\$582,149	\$55.65			\$582,149
28	AV & Communications Cabling	\$25,516	\$2.44			\$25,516
31	Site Prep & Earthwork			\$418,087	\$39.97	\$418,087
32	Site Improvements & Landscaping			\$551,983	\$52.77	\$551,983
33	Utilities			\$309,861	\$29.62	\$309,861
	Direct Work Total:	\$4,274,982	\$408.70	\$1,279,930	\$122.36	\$5,554,912
	Design Contingency 4%	\$170,999		\$51,197		\$222,196
						\$0
	Subtotal	\$4,445,982	\$425.05	\$1,331,127	\$127.26	\$5,777,108
	Trade Partner P&P Bonds	\$88,920		\$25,599		\$114,518
	Total Cost of Work	\$4,534,901	\$433.55	\$1,356,725	\$129.71	\$5,891,627
	General Conditions	\$622,149		\$0		\$622,149
	Building Permit	\$35,000				\$35,000
	Builders Risk Allowance	\$18,232				\$18,232
	GLI / WC / Umbrella 2.95%	\$153,703		\$40,023		\$193,727
	Owner Contingency 3% cost of work	\$136,047		\$40,702		\$176,749
	CM Contingency 2% cost of work	\$90,698		\$27,135		\$117,833
	P&P Bond 0.9% construction total	\$50,002		\$13,181		\$63,183
	Contractor Fee @ 4.5%	232,067		61,053		\$293,120
	Construction Total	\$5,872,799	\$561	\$1,538,819	\$147	\$7,411,618



LINE	CODE	ELEMENT DESCRIPTION	QUANTITY	UNIT	UNIT RATE	TOTAL
1	02	Demolition				
2		Not Applicable				
3						\$0
4	02	Demolition				\$0
5						
6	02	Pre-demolition Abatement				
7		No Applicable		SF	\$4.25	\$0
8						
9						
10	02	Pre-demolition Abatement				\$0
11						
12						
13	03	Cast-In-Place Concrete				
29						
30		Interior Continuous Footings Building	340	LF		
31		Forms		SF	\$16.00	\$0
32		Concrete; material 3000PSI	236	CY	\$150.00	\$35,417
33		Concrete; place	236	CY	\$125.00	\$29,514
34		Reinforcing, bars	908	LB	\$1.50	\$1,363
35		Exterior Continuous Footings Building				
36		Forms	268	SF	\$16.00	\$4,288
37		Concrete; material 3000PSI	53	CY	\$150.00	\$7,950
38		Concrete; place	53	CY	\$125.00	\$6,625
39		Reinforcing, bars	716	LB	\$1.50	\$1,074
40						
41		Exterior Continuous Footings - Apparatus Bay	256	LF		
42		Forms		SF	\$16.00	\$0
43		Concrete; material 4000 PSI	76	CY	\$190.00	\$14,440
44		Concrete; place	76	CY	\$125.00	\$9,500
45		Reinforcing, bars	684	LB	\$1.50	\$1,026
46						
47		Slab On Grade, 4" Thick Building				
48		Concrete; material 3500 PSI	87	CY	\$150.00	\$13,052
49		Add for thickened slabs @ mechanical and electrical rooms	2	CY	\$125.00	\$250
50		Concrete; place & finish	6,910	SF	\$5.00	\$34,550
51		Reinforcing, mesh	6,910	SF	\$2.80	\$19,348
52		Vapor Barrier	6,910	SF	\$0.25	\$1,728
53		Column block outs				included
54						
55						
56		Slab On Grade, 8" Thick - apparatus bay				
57		Concrete; material 4000 PSI	99	CY	\$190.00	\$18,736
58		Concrete; place & finish	3,550	SF	\$6.00	\$21,300
59		Reinforcing, materials & install	3,550	SF	\$2.80	\$9,940
60		Sawcut control joints				included
61		Column block outs				included
62		Underslab & Footing Bottom Stone	251	CY	\$38.00	\$9,538
63		Vapor Barrier		SF	\$0.25	\$0
64						
65		Elevated Slabs				
66		Mezzanine				
67		Concrete; material 4000 PSI Light Weight	5	CY	\$175.00	\$811
68		Concrete; place & finish	379	SF	\$5.00	\$1,895
69		Reinforcing, mesh	379	SF	\$1.00	\$379
70						
71		Slab On Grade, 8" @ trash, generator enclosures, and mech yard				
72		Concrete; material 4000 PSI	21	CY	\$190.00	\$4,011
73		Concrete; place & finish	760	SF	\$6.00	\$4,560
74		Reinforcing, materials & install	760	SF	\$2.80	\$2,128
75		Underslab & Footing Bottom Stone	28	CY	\$38.00	\$1,070
76		Cont.' footings & grout solid below grade - trash, generator & mech yard	1	LS	\$10,580.00	\$10,580
77						
78		Termite Treatment	10,460	SF	\$0.25	\$2,615
79		Set Anchor Bolts	15	SET	\$310.00	\$4,650
80		Grout Under Base Plates	15	EA	\$200.00	\$3,000
81		Fill Stair Treads & Landings	1	Run	\$1,000.00	\$1,000
82						
83	03	Cast-In-Place Concrete				\$276,337
84						
85	04	Unit Masonry				
86		Exterior				



LINE	CODE	ELEMENT DESCRIPTION	QUANTITY	UNIT	UNIT RATE	TOTAL
87		Exterior wall; Face brick running bond with brick sills				
88		deduct glass				
89		Net Brick veneer	5,348	SF	\$27.50	\$147,070
90		Soldier course & arched soldier course	892	SF	\$30.00	\$26,760
91		Brick surrounding exterior col.	784	SF	\$27.50	\$21,560
92		CMU1 veneer	1,264	SF	\$19.00	\$24,016
93		Brick; CJ, gaskets, weep vents, drainage mesh	8,288	SF	\$1.00	\$8,288
94		Misc. flashings @ Windows/Openings - Allowance	1	LS	\$7,500.00	\$7,500
95		Install lintels, relieving angles, misc metals	173	LF	\$8.90	\$1,540
96		Insulation		SF		in 070000
97		Washdown & clean-up	5,348	SF	\$1.25	\$6,685
98						
99		Mech Yard				
100		Exterior brick veneer	540	SF	\$27.50	\$14,850
101		CMU wall back-up	540	SF	\$25.00	\$13,500
102		Precast stone cap	60	LF	\$55.00	\$3,300
103						
104		Generator Enclosure				
105		Exterior brick veneer	792	SF	\$27.50	\$21,780
106		CMU wall back-up	792	SF	\$25.00	\$19,800
107		Precast stone cap	88	LF	\$55.00	\$4,840
108						
109		Trash Enclosure				
110		Exterior brick veneer	461	SF	\$27.50	\$12,684
111		CMU wall back-up	461	SF	\$25.00	\$11,531
112		Precast stone cap	52	LF	\$55.00	\$2,860
113						
114		CMU				
115		8" CMU non bearing std block wall	2,096	SF	\$27.00	\$56,592
116		8" CMU block wall at dumpster & mech yard enclosures - allowance		SF	\$25.00	see above
117		8" CMU block wall at tower secondary level	600	SF	\$25.00	\$15,000
118		LAWP on Masonry		SF		in 070000
119		8D full height 8" CMU bond beams		LF	\$32.00	\$0
120		M8 1hr 8" CMU filled cell/reinforced interior Partitions 21'	4,743	SF	\$28.00	\$132,804
121		M8 2hr 8" CMU filled cell/reinforced interior Partitions 21'	798	SF	\$30.00	\$23,940
122		P8 8" CMU filled cell interior Partitions 16' fur/rock 1 side see drywall	4,830	SF	\$24.00	\$115,920
123		N8 1hr 8" CMU filled cell/reinforced interior Partitions 21' metal stud & gyp	4,221	SF	\$26.00	\$109,746
124		Set & Level Bearing Plates		EA	\$50.00	\$0
125		Install lintels, relieving angles, misc metals		SF	\$1.75	\$0
126		Master Façade Mockup				in 01 00 00
127		Precast, custom decorative medallion	3	EA	\$800.00	\$2,400
128		Precast band with building name - Allowance	1	LS	\$6,500.00	\$6,500
129						
130		Masonry General Work				in general trades
131						
132	04	Unit Masonry				\$811,466
133						
134	05	Metals				
135		Structural Steel				
136		Framing				
137		Beams		TN	\$6,300.00	\$0
138		Steel Truss - Allowance	1	LS	\$60,000.00	\$60,000
139		Columns (tubular shapes)	2	TN	\$6,300.00	\$12,600
140		Steel support for apparatus bay doors - Allowance	4	LS	\$4,500.00	\$18,000
141		Wind Bracing	1	TN	\$6,300.00	\$6,300
142		Base plates (assume avg. size of 12" x 12" x 3/4")	8	EA	\$75.00	\$600
143		Metal Deck				
144		Metal roof deck, 1 1/2" x 22 Ga.	14,548	SF	\$6.00	\$87,288
145		Metal mezzanine floor deck, 1 1/2" x 22 Ga.	443	SF	\$7.00	\$3,101
146						
147		Other				
148		Furnish anchor bolts _install by mason	32	EA	\$10.00	\$320
149		Furnish Steel Bearing Plates - install by mason	8	EA	\$150.00	\$1,200
150		Engineering & detailing		SF	\$0.25	\$0
151						
152		Misc. Metals				
153		Masonry lintels	76	LF	\$200.00	\$15,200
154		Large opening steel lintels	97	LF	\$300.00	\$29,100
155		Steel Stairs & Handrails	1	LS	\$4,500.00	\$4,500
156		Mezzanine stairs	1	LS	\$10,900.00	\$10,900
157		Exhaust Fans	5	EA	\$650.00	\$3,250



LINE	CODE	ELEMENT DESCRIPTION	QUANTITY	UNIT	UNIT RATE	TOTAL
158		Steel bollards @ bay doors	8	EA	\$180.00	\$1,440
159		Mech yard 4' wide enclosure gate - REMOVED		LS	\$3,500.00	\$0
160		Generator enclosure 5'-4" wide gate - REMOVED		LS	\$4,350.00	\$0
161		Trash enclosure 12' wide dbl gate assembly	1	LS	\$10,360.00	\$10,360
162						
163					\$74,750.00	
164						
165		Roof				
166		Roof tie back anchors; not indicated	0	EA	\$350.00	n/a
167		Furnish embed plates for tie-back anchors	0	EA	\$75.00	n/a
168						
169		Architectural Louvers - assumption				
170		Two on A200 elevation A5	2	EA	\$425.00	\$850
171		Two on A200 elevation A1	2	EA	\$285.00	\$570
172						
173	05	Metals				\$265,579
174						
175	06	Woods & Plastics				
176		Millwork				
177		Dorm Room Wardrobes - 115, 117, 118, 120, 121				
178		Wardrobe storage units:	30	EA	\$1,500.00	\$45,000
179		Kitchen 106				
180		Solid Surface counter & backsplash	52	LF	\$240.00	\$12,480
181		Upper cabinets	12	LF	\$300.00	\$3,600
182		Base Cabinets	52	LF	\$450.00	\$23,400
183		Kitchen Island	9	LF	\$450.00	\$4,050
184		Island solid surface top	27	SF	\$120.00	\$3,240
185		Pantry shelving	10	LF	\$50.00	\$500
186		Open shelving at wood coiling door locations	3	LS	\$315.00	\$945
187		Watch 107				
188		Work counter	40	LF	\$240.00	\$9,600
189		Base Cabinets		LF	\$450.00	\$0
190		Bathrooms - 109, 116, 119, 126				
191		Vanity Solid Surface	15	LF	\$240.00	\$3,600
192		Base Cabinets	15	LF	\$450.00	\$6,750
193		Workstation & laundry counter, solid surface	94	SF	\$120.00	\$11,280
194		Plywood temp replacement for interior doors	25	EA	\$75.00	\$1,875
195						
196	06	Woods & Plastics				\$126,320
197						
198	07	Thermal & Moisture				
199		Roofing				
200		Building				
201		30-year architectural asphalt shingles	14,548	SF	\$6.55	\$95,289
202		Cornice coping	202	LF	\$55.00	\$11,110
203		Metal gutter	422	LF	\$17.00	\$7,174
204		Downspouts	275	LF	\$17.00	\$4,675
205		Fire rated plywood substrate	14,548	SF	\$5.75	\$83,651
206		Flashing to roof penetrations & MEP equipment		SF	\$2.00	\$0
207		sheet metal supports /flashed		EA	\$350.00	\$0
208		Misc., flashings, sealants & expansion joints		SF	\$1.25	\$0
209						
210		Roof Hatch		EA	\$4,500.00	\$0
211		Roof anchors; flashing - none shown		SF	\$0.15	n/a
212		Misc. penetrations		SF	\$0.50	\$0
213		Roof protection -	0	SF	\$1.25	\$0
214		20 year NDL Warrantee	0	SF	\$1.00	\$0
215		subtotal roofing			\$201,899.40	
216		Fireproofing				
217		Spray applied fireproofing - monocothe steel & decks		SF	\$3.89	\$0
218						
219		Firestopping				
220		Thru wall firestopping systems (non MEP trade)	10,460	SF	\$0.35	\$3,661
221		Through floor/ceiling penetration firestopping (non MEP trade)	0	SF	\$0.45	\$0
222		Penetration installation Stickers		SF	\$0.20	\$0
223						
224		Insulation				
225		Walls				
226		2" rigid insulation - behind brick veneer	8,755	SF	\$5.00	\$43,775
227		Air/vapor barrier, exterior walls	8,756	SF	\$4.50	\$39,402
228		Roof				



LINE	CODE	ELEMENT DESCRIPTION	QUANTITY	UNIT	UNIT RATE	TOTAL
229		R-30 board insulation	14,548	SF	\$3.70	\$53,828
230						
231		Waterproofing				
232		Foundation wall wtp	1,383	SF	\$8.50	\$11,756
233		R-7.5 cont.' rigid insul below grade	1,383	SF	\$5.00	\$6,915
234		Foundation drains	461	LF	\$3.50	\$1,614
235		Perimeter wraps @ Openings	10	LS	\$475.00	\$4,750
236						
237		Exterior joint sealants				
238		Vertical Expansion Joints		lf	\$175.00	\$0
239		Glazing Systems				in 088000
240		Masonry	5,348	SF	\$0.50	\$2,674
241		Perim. Door Frames	14	EA	\$80.00	\$1,120
242		Misc. exterior/site sealants - Allowance	1	LS	\$7,500.00	\$7,500
243						
244		General				
245		Lull/equipment/Crane				in trades
246		Independent Testing; On site, water test	0	LS		not included
247		Mock up;	1	LS		in trades
248						
249		Interior Joint Sealants				
250		Joint sealants (GSF)	10,460	SF	\$0.50	\$5,230
251		HM Frames		EA	\$80.00	\$0
252						
253	07	Thermal & Moisture				\$384,123
254						
255	08	Openings				
256		Doors, Frames & Hardware				
257		Hollow Metal Frames (furnish) - interior				
258		HM frames 3-0 x 7-0	19	EA	\$280.00	\$5,320
259		HM frames 3-0 x 7-0 w/12" sidelight		EA	\$480.00	\$0
260		Borrowed Lite HM Frames		LF	\$15.30	\$0
261		HM frames 6-0 x 7-0	3	EA	\$518.00	\$1,554
262		Factory Stained Wood Doors (furnish)				
263		Stained WD doors 3-0 x 7-0	19	EA	\$425.00	\$8,075
264		Stained WD doors 3'-0 x 7'-0 pair	6	EA	\$625.00	\$3,750
265						
266		Perim HM frames & Door				
267		3T Metal dr w/ transom	4		\$1,206.00	\$4,824
268		3VT Metal dr w vision pnl & transom	2		\$1,349.00	\$2,698
269		3FT Metal dr w/ dbl full lite & transom	7		\$1,329.00	\$9,303
270		3-6FT 42" Metal dr w/ dbl full lite & transom	1		\$1,557.00	\$1,557
271		Hardware; single w/exit device	14	EA	\$4,500.00	\$63,000
272		Door Lite Kits	32	EA	\$135.00	\$4,320
273		Finish Hardware (furnish)				
274		Hardware sets (avg. cost) - Allowance	25	EA	\$485.00	\$12,125
275		Exit Devices - crash bar add - Allowance	9	EA	\$220.00	\$1,980
276		Door & Hardware Installation				
277		Install HM frames & doors	25	EA	\$250.00	\$6,250
278		Install hardware sets	25	EA	\$150.00	\$3,750
279		Install Exit Devices	9	EA	\$150.00	\$1,350
280		Temp Interior Doors - furn / install / removal	0	EA	\$510.00	rplc with plywood
281		Door Lite & Sidelight Glazing				
282		Operable Partitions / Not Applicable				
283						
284		Exterior Glazing				
285		Window Systems				
286		Storefront systems	459	SF	\$90.00	\$41,310.00
287		Sill receptors		LF	\$22.00	\$0.00
288		Perimeter Blocking		LF		in 060000
289		Exterior Entrances				
290		Pair Doors		EA	\$11,500.00	\$0
291		Single Door		EA	\$5,500.00	\$0
292		Hardware; single w/exit device	2	EA	\$4,500.00	\$9,000
293		Hardware; pair w/exit device		EA	\$7,500.00	\$0
294		Card Readers		EA		in 270000
295		Interior Glazing				
296		Interior glazed aluminum Windows - fitness 113	65	SF	\$125.00	\$8,125
297		Interior glazing for door kits	96	SF	\$55.00	\$5,280
298		Full Glass in Interior HM / Wood Doors		SF	\$65.00	\$0
299		Door vision light glazing		ea	\$55.00	\$0



LINE	CODE	ELEMENT DESCRIPTION	QUANTITY	UNIT	UNIT RATE	TOTAL
300		Perimeter Blocking		LF		in 060000
301						
302		Specialty Doors				
303		Overhead bay sectional doors - 2	4	EA	\$24,603.00	\$98,412
304		Custom alum arc, faceted - REMOVED	-	EA	\$11,475.00	\$0
305						
306		Bifold apparatus bay doors - REMOVED		EA	\$47,552.00	\$0
307		Secured overhead coiling wood doors @ pantry	3	EA	\$2,340.00	\$7,020
308		Pair of solid core doors @ pantry 106A, 106B, 106C (with hardware)	-	EA	\$1,041.00	\$0
309					\$105,432.00	
310						
311		General				
312		Lull/equipment/Crane	0	LS		by trade
313		Independent Testing; On site, water test	0	LS	\$0.00	\$0
314		Window clean	0	SF	\$0.50	in gen tradess
315		Window Protection	0	SF	\$2.75	n/a
316		Mock up;	0	LS		in 01 00 00
317	08	Openings				\$299,003
318						
319	09	Finishes				
320		Carpentry				
321		Exterior blocking				
322		Blocking at windows	0	LF	\$15.00	in general trades
323		Ply. Blocking under coping	0	LF	\$15.00	in general trades
324		Blocking @ roof edges - (fire rated)	0	LF	\$25.00	in general trades
325		Misc ext. blocking		sf	\$0.50	\$0
326		Interior blocking				
327		Blocking at windows		LF	\$17.00	\$0
328		Blocking for millwork	0	LF	\$15.00	in general trades
329		Misc int. blocking & backboards		SF	\$0.25	\$0
330						
331		Drywall				
332		A3: 3-5/8 MS w/5/8" gyp both sides, insul - up to deck	567	SF	\$14.00	\$7,938
333		A6: 6 MS w/5/8" gyp both sides, insul - up to deck	6,552	SF	\$16.00	\$104,832
334						
335		B3: 3-5/8 MS w/5/8" gyp both sides, up to deck	84	SF	\$12.00	\$1,008
336		B6: 6 MS w/5/8" gyp both sides, up to deck	861	SF	\$14.00	\$12,054
337						
338		C2: 2-1/2 MS w/ 5/8" gyp 1 side,	4,830	SF	\$10.00	\$48,300
339		C3: 3-5/8 MS w/5/8" gyp 1 side, up to deck	252	SF	\$11.00	\$2,772
340		C3: 3-5/8 MS w/5/8" gyp 1 side, up to deck (at perim brick walls)	6,264	SF	\$11.00	\$68,904
341						
342		GWB Ceilings				
343		Gypsum board ceilings	538	SF	\$12.00	\$6,456
344		Transition Fascias & Drop Headers	0	SF	\$35.00	incl
345						
346		Miscellaneous				
347		Access Panels	1	EA	\$225.00	\$225
348		Cement board @ shower walls - upcharge	352	SF	\$3.50	\$1,232
349		Acoustical & Fire sealants		LF	\$2.00	\$0
350		Batt insulation, interior walls - REMOVED	0	SF	\$1.50	captured above
351		Point-Up Allowance	80	MHR	\$40.00	\$3,200
352					\$256,921.00	
353		Acoustical Ceilings				
354		APC1 - Acoustical ceiling	4,205	SF	\$7.00	\$29,435
355		MSP1 - Metal soffit w/subframe & accessories	1,198	SF	\$38.00	\$45,524
356					\$74,959.00	
357		Ceramic Tile				
358		Restrooms				
359		Ceramic floor tile	496	SF	\$20.00	\$9,920
360		Shower floor mosaic tile	49	SF	\$24.00	\$1,176
361		Ceramic wall tile	1,056	SF	\$18.00	\$19,008
362		Stone thresholds	4	EA	\$120.00	\$480
363		Waterproofing	1,056	SF	\$4.00	\$4,224
364		Crack suppression membrane	545	SF	\$5.00	\$2,725
365		Finish floor protection	0	SF	\$1.00	in general trades
366						
367		Toilet Rm				
368		Ceramic floor tile	60	SF	\$20.00	\$1,200
369		Ceramic wall tile	168	SF	\$18.00	\$3,024
370		Stone thresholds	1	EA	\$120.00	\$120



LINE	CODE	ELEMENT DESCRIPTION	QUANTITY	UNIT	UNIT RATE	TOTAL
371		Waterproofing	0	SF	\$4.00	\$0
372		Crack suppression membrane	60	SF	\$5.00	\$300
373		Finish floor protection	0	SF	\$1.00	in general trades
374						\$42,177.00
375						
376		Carpet & Resilient				
377		Carpet Tile				
378		CPT1	595	SF	\$5.50	\$3,273
379		Luxury Vinyl Planks				
380		LVP1	1,135	SF	\$9.00	\$10,215
381		LVP2	1,961	SF	\$9.00	\$17,649
382		Rubber flooring, RUB1	363	SF	\$14.00	\$5,082
383		Crack suppression membrane	0	SF	\$5.00	\$0
384		Other				
385		Rubber base at gyp bd	1,784	LF	\$3.75	\$6,690
386		Rubber Base at CMU	1,602	LF	\$3.75	\$6,008
387		Minor floor preparation	4,054	SF	\$0.50	\$2,027
388		Protect finish floors	0	SF	\$1.00	in general trades
389						\$50,943.00
390		Sealed Concrete				
391		Sealed concrete floors	5,187	SF	\$2.00	\$10,374
392		Minor floor preparation		SF	\$0.50	\$0
393						
394		Polished Concrete / Not Applicable				
399						
400		Painting				
401		Exterior				
402		Paint patio bulkhead	441	SF	\$1.25	\$551
403		Interior				
404		Paint GWB partitions	18,676	SF	\$0.90	\$16,808
405		Paint GWB partitions (epoxy) adder at toilets	49	SF	\$0.95	\$47
406		Paint GWB ceilings, transition fascias & drop headers	538	SF	\$1.25	\$673
407		Paint 8"CMU	16,764	SF	\$1.80	\$30,175
408		Paint HM Frames - single	36	EA	\$65.00	\$2,340
409		Paint HM Frames - double	3	EA	\$75.00	\$225
410		Paint HM Doors	14	EA	\$100.00	\$1,400
411		Touch-up (MH & Paint materials) - Allowance	80	MHR	\$40.00	\$3,200
412						\$55,418.72
413						
414	09	Finishes				\$490,793
415						
416	10	Specialties				
417		Signage				
418		Code required signage (GSF)	10,460	SF	\$0.25	\$2,615
419		Space Identification Signage / door (allowance)	23	AL	\$125.00	\$2,875
420		Directional Signage (allowance)	12	AL	\$250.00	\$3,000
421		Monumental sign - Allowance	1	AL	\$10,000.00	\$10,000
422						Total Developed Allowance
423						\$18,490
424		Storage				
425		Storage shelving - Allowance	1	LS	\$10,500.00	\$10,500
426						
427		Fire Protection Specialties				
428		FE cabinets: kitch, trng, fitness, decon, gear, dorm corridor, elec, bay x2	4	EA	\$185.00	\$740
429		Fire extinguisher brackets		EA	\$75.00	\$0
430		Fire extinguishers	4	EA	\$90.00	\$360
431		Install FEC	4	EA	\$125.00	\$500
432						
433		Toilet Accessories Materials				
434		Toilet Paper Dispenser	5	EA	\$85.00	\$425
435		Paper Towel Dispenser	5	EA	\$150.00	\$750
436		Sanitary Napkin Dispenser	4	EA	\$90.00	\$360
437		Grab Bar 18"		EA	\$65.00	\$0
438		Grab Bar 42"	5	EA	\$80.00	\$400
439		Grab Bar 36"	5	EA	\$70.00	\$350
440		Vanity Mirror	5	EA	\$450.00	\$2,250
441		Waste Receptacle	5	EA	\$150.00	\$750
442		Robe Hook	4	EA	\$35.00	\$140
443		Automatic Soap Dispenser: restrms, toilet, kitchen	6	EA	\$45.00	\$270
444		Utility shelf w/mop & broom holder	1	EA	\$115.00	\$115
445		Sanitary napkin disposal, surface mounted	5	EA	\$95.00	\$475



LINE	CODE	ELEMENT DESCRIPTION	QUANTITY	UNIT	UNIT RATE	TOTAL
446		Shower Rod & Curtain	4	EA	\$110.00	\$440
447		Install Accessories	49	EA	\$40.00	\$1,960
448						
449						
450	10	Specialties				\$57,765
451						
452	11	Residential / Commercial Equipment				
453						
454		Appliances				
455		Washer/dryer combo unit - ventless	0	EA	\$3,299.00	\$0
456		Refrigerator - gee profile 27.8 cu	0	EA	\$3,200.00	\$0
457		Range - GE gas 48" range with dbl oven	0	EA	\$4,500.00	\$0
458		Microwave	0	EA	\$350.00	\$0
459		Dishwasher	0	EA	\$850.00	\$0
460		Coffee Brewer	0	EA	\$350.00	\$0
461		Appliance placement	6	ea	\$350.00	\$2,100
462					\$2,100.00	
463						
464		Ready rack smart-dry 6 all-purpose turnout gear dryer cabinet	0	LS	\$19,004	\$0
465		60 lb. high performance washer extractor Hi-performance washer-extractor	0	LS	\$25,304	\$0
466		Commercial equip placement	3	EA	\$450	\$1,350
467		Residential / Commercial Equipment			\$1,350.00	
468						
469	11	Residential / Commercial Equipment				\$3,450
470						
471	12	Furnishings				
472		Furniture				
473		LCD monitors @ trng - 75" lcd		EA	\$850.00	by client
474		Office Area Furniture - by client		LS	\$0.00	by client
475		Tool storage shelving - by client		LS	\$0.00	by client
476		Gear storage - by client		LS	\$0.00	by client
477						
478		Visual Display Board Allowance				
479		Frosted glass dry eraser boards @ trng 96"		EA	\$615.00	by client
480		Magnetic visual display boards 60" Work Rooms@ offices		EA	\$585.00	by client
481					\$0.00	
482						
483		Window Treatment				
484		Dorm rm roller shades w/ black	10	EA	\$85.00	\$850
485		Office & training wdo horizontal shades	351	SF	\$8.00	\$2,808
486		Wdo treatment install	1	LS	\$404.80	\$405
487						
488	12	Furnishings				\$4,063
489						
490						
491	13	Special Construction - Not Used				
492						
493						
494	13	Special Construction - Not Used				\$0
495						
496						
497	21	Fire Protection				
498		Equipment				
499		Control Panel & acc.		LS	\$18,900.00	\$0
500		Floor control valve assemblies/fire dept conn/fire hose cabinet.	-	EA	\$3,500.00	\$0
501		Standpipe System	-	EA	\$15,000.00	\$0
502		Siamese Connection	-	EA	\$2,500.00	\$0
506		Piping Systems				
512		Sprinkler piping & sprinkler heads in apparatus bay area - 21' o.f.f.	3,550	SF	\$7.50	\$26,625
513		Sprinkler piping & heads @ gear, decon, tool storage (entry dr from unconcd)	698	SF	\$6.00	\$4,188
514		Sprinkler piping & heads @ elec (entry dr from ext.)	103	SF	\$6.00	\$618
515		Sprinkler piping & heads at remaining areas	6,109	SF	\$6.00	\$36,654
516						
517		General				
518		Hydrant flow test	-	LS	\$0.00	\$0
519		Cales & Coordination drawings	1	LS	\$2,500.00	\$2,500
520		Start up/testing		LS	\$5,000.00	\$0
521		Demonstration & Training		SF	\$0.15	\$0
522		Warranty/closeout	1	LS	\$0.00	nccluded
523		Permit - Allowance	1	LS	\$1,500.00	\$1,500
524	21	Fire Protection				\$72,085
525						



LINE	CODE	ELEMENT DESCRIPTION	QUANTITY	UNIT	UNIT RATE	TOTAL
526	22	Plumbing				
527		Equipment / Specialties - purchase / deliver / place				
528		Wall hydrant, exterior non-freeze, auto draining	1	EA	\$1,620.00	\$1,620
529		Hose bib interior, auto drainage	1	EA	\$301.25	\$301
530		Floor cleanout, cast iron	2	EA	\$696.25	\$1,393
531		Wall cleanout, cast iron	0	EA	\$627.50	\$0
532		Yard cleanout, adjustable, cast iron	3	EA	\$852.50	\$2,558
533		Floor drain, cast iron, adjustable top	4	EA	\$503.75	\$2,015
534		Floor drain, cast iron, sediment bucket	2	EA	\$826.25	\$1,653
535		Ice maker box	1	EA	\$418.75	\$419
536		Washing machine box	1	EA	\$418.75	\$419
537		Shock arrestor - up to 1"	1	EA	\$1,530.00	\$1,530
538		Circuit setter, 1/2" thru 2"	1	EA	\$1,110.00	\$1,110
539						
540		Backflow preventer/water meter - 6" / domestic & fire	2	EA	\$4,500.00	\$9,000
541		Electric water heater - tankless	3	EA	\$3,160.00	\$9,480
542		Expansion Tanks- 2 gallon	1	EA	\$338.75	\$339
543		Hot water recirc pump, 7gpm	0	EA	\$7,500.00	\$0
544		Oil interceptor, 350 gal capacity - place/install/connect	1	LS	\$10,117.50	\$10,118
545						
546		Fixtures - purchase / deliver / place				
547		Water closet, elongated floor mount	2	EA	\$467.50	\$935
548		Water closet, elongated ADA floor mount	3	EA	\$591.25	\$1,774
549		Lavatory wall mount ADA	2	EA	\$487.50	\$975
550		Lavatory ADA counter mount	3	EA	\$425.00	\$1,275
551		Water fountain & bottle filler - sgl	1	EA	\$2,079.00	\$2,079
552		Water fountain & bottle filler - hi & low combo	2	EA	\$5,138.50	\$10,277
553		Stainless sink counter mount w/ faucet	1	EA	\$870.00	\$870
554		Stainless sink ADA counter mount w/ faucet	1	EA	\$965.00	\$965
555		Stainless scullery sink w/ gooseneck faucet - 3 compartment	1	EA	\$2,482.50	\$2,483
556		Shower, pressure balanced valve, head, drain	1	EA	\$665.00	\$665
557		Shower ADA w/ hand held hose & slider bar, drain	3	EA	\$1,348.75	\$4,046
558		Shower basin, molded composite	4	EA	\$1,092.50	\$4,370
559		Mop sink molded composite, wall mounted faucet, bucket hook	2	EA	\$1,020.00	\$2,040
560		Laundry tub, molded plastic, floor mount	1	EA	\$907.50	\$908
561		Emergency eye/face wash, wall mounted stainless, 4 spray heads	1	EA	\$740.00	\$740
562						
563		Plumbing Fixtures - final connections	28	EA	\$780.00	\$21,840
564						
565		Piping systems				
566		Main water service into building - 5' in	1	LS	\$7,500.00	\$7,500
567		Domestic HW, HWR 2", 1-1/2", 3/4" loop	350	LF	\$15.00	\$5,250
568		Domestic CW, 2", 1-1/2", 3/4"	320	LF	\$15.00	\$4,800
569		Domestic Water Branch to fixtures	10,460	SF	\$1.00	\$10,460
570		Storm water piping	280	LF	\$5.00	\$1,400
571		Waste/Vent underground piping, trench & backfill	1,500	LF	\$10.60	\$15,900
572		Waste/vent main piping	256	LF	\$46.00	\$11,776
573		Waste/vent branch piping	350	LF	\$60.00	\$21,000
574		Specialties - Hangers, seismic, tanks, valves, vibration isolation etc....	1	LS	\$5,000.00	\$5,000
575		Plumbing piping insulation - Hw, Cw, Storm Horizontal	11,410	LF	\$1.00	\$11,410
576						
577		Gas piping				
578		Underground/slab piping	250	LF	\$55.00	\$13,750
579		Above gas piping distribution, fittings and support	10,460	SF	\$1.00	\$10,460
580					\$24,210.00	
581						
582		General				
583		Gas connection to back-up generator	1	LS	\$6,240.00	\$6,240
584		Gas connection to radiant heaters in apparatus bay	1	LS	\$3,510.00	\$3,510
585		Temporary Water connection for Const.	1	LS	\$4,500.00	\$4,500
586		Temporary water usage for const.	10	mo	\$400.00	\$4,000
587		Coordination drawings	0	LS	\$3,000.00	\$0
588		Start up/Test	1	LS	\$5,000.00	\$5,000
589		Demonstration & Training	10,460	SF	\$0.15	\$1,569
590		Potable water sterilization	1	LS	\$2,500.00	\$2,500
591		Permit - Allowance	1	LS	\$1,500.00	\$1,500
592	22	Plumbing				\$245,719
593						
594	23	HVAC				
595		Equipment - purchase/deliver/place & connect				
596		Dedicated outside air unit , DOAS 208V 3 phase	1	EA	\$ 8,833.92	\$8,834



LINE	CODE	ELEMENT DESCRIPTION	QUANTITY	UNIT	UNIT RATE	TOTAL
597		Indoor units (IDU), 208V 1 phase	6	EA	\$ 2,152.50	\$12,915
598		Heat pumps, 2.5 tons, 208V 1 phase	3	EA	\$ 3,791.00	\$11,373
599		Heat pumps, 2 ton, 208V 1 phase	2	EA	\$ 3,383.00	\$6,766
600		Heat pump, 3.5 ton, 277V 1 phase	1	EA	\$ 6,647.00	\$6,647
601		AC, 208V 1 phase ductless split system	4	EA	\$ 2,980.10	\$11,920
602		Exhaust fan, 115V 1 phase	3	EA	\$ 1,020.00	\$3,060
603		Exhaust fans, 208V 3 phase	2	EA	\$ 5,780.00	\$11,560
604		Exhaust fan, 460V 3 phase	1	EA	\$ 6,097.60	\$6,098
605		HVLS fan, 15a 110V	1	EA	\$ 3,040.00	\$3,040
606		Natural gas infrared heaters, 120V	2	EA	\$ 4,560.00	\$9,120
607		Roof mounted gravity ventilator	1	EA	\$ 7,360.00	\$7,360
621		Plymovent system infrastructure & support	1	LS	\$16,000.00	\$16,000
622						
623		Piping Systems				
624		Refrigerant piping	1,356	LF	\$16.00	\$21,696
625		Specialties - hangers . Valves, etc. .	6,460	SF	\$0.50	\$3,230
626		Refrigerant piping insulation	1,356	LF	\$0.35	\$475
627						
628		Air Distribution systems				
629		Ductwork	6,460	SF	\$12.00	\$77,520
630		Ductwork accessories - dampers, hangers, fire dampers	6,460	SF	\$0.96	\$6,202
631		Ductwork insulation	6,460	SF	\$2.50	\$16,150
632		Sound Attenuators	0	EA	\$5,500.00	\$0
633		Smoke/Fire Dampers	2	EA	\$875.00	\$1,750
634		Flex from registers 10" @ 8' x \$12.25 lf = \$98.00 ea	0	EA	\$98.00	\$0
635		Air Outlets/Returns				
636		Dryer Vent	1	EA	\$600.00	\$600
637		Range Vent	1	EA	\$600.00	\$600
638		HWH Vent	1	EA	\$600.00	\$600
639		General				
640		Rigging	1	LS	\$7,500.00	\$7,500
641		Air/Water Balancing	6,460	SF	\$1.95	\$12,597
642		Start up/Test	10,460	SF	\$0.53	\$5,544
643		Warranty	1	SF	\$0.26	included
644		Commissioning assistance (commissioning agent by owner)/training	20	MHr	\$195.00	\$3,900
645		Controls & sequencing programming	6,460	SF	\$4.00	\$25,840
646		Demand Control Ventilation programming & testing	6,460	SF	\$2.00	\$12,920
647		Demonstration & Training - equipment	10,460	SF	\$0.25	\$2,615
648		Demonstration & Training - controls	10,460	SF	\$0.25	\$2,615
649		Temporary Heating & Cooling Allowance	10,460	SF	\$1.60	\$16,736
650		Permit - Allowance	1	LS	\$5,500.00	\$5,500
651	23	HVAC				\$339,282
652						
653	26	Electrical				
654		Site Work				in site improvements
655						
656		Equipment: purchase / delivery / place & connect				
657		600 amp main panel	1	LS	\$ 48,963.00	\$48,963
658		Subpanel, 100 amp	4	PNL	\$ 5,177.75	\$20,711
659		ATS-1 600a/3 pole	1	LS	\$ 5,644.00	\$5,644
660		Switchgear to subpanel secondary power	-	SYS	\$ 9,000.00	\$0
661		SE-DSC-1 600amp	1	LS	\$ 18,014.00	\$18,014
662		MTS1 600A 120/208V with cam lock	1	LS	\$ 15,391.50	\$15,392
663		Transformer & pad - Allowance	1	LS	\$ 10,000.00	\$10,000
664		Emergency Generator Natural Gas - 150KW / 188 KVA 208/120V	1	EA	\$66,820.25	\$66,820
665		Start-up & testing	1	LS	\$2,500.00	\$2,500
666		Rigging & Assembly	1	LS	\$4,500.00	\$4,500
667		Load Bank Testing	1	LS	\$2,500.00	\$2,500
668		Extended Warrantee	1	LS	\$3,700.00	\$3,700
669		Service from utility to & thru transformer				By Utility.
670		Feeders				
671		Two 3-1/2" service duct bank from secondary to main service disconnect	24	LF	\$150.00	\$3,600
672		Two 3-1/2" feeder duct bank from main disconnect to ATS1	65	LF	\$150.00	\$9,750
673		Two 3-1/2" and two 1" feeder duct bank from generator to MTS1	28	LF	\$175.00	\$4,900
674		Two 3-1/2" and two 1" generator feeder duct bank from generator to MTS1	12	LF	\$175.00	\$2,100
678						
679		Equipment Power, Power & branch wiring				
680		Mechanical power connections: DOAS, IDU, heat pumps, AC	17	EA	\$1,500.00	\$25,500
681		Mechanical power connections exhaust fans	7	EA	\$1,000.00	\$7,000
682		Connection & install of apparatus bay infrared heaters	2	EA	\$924.00	\$1,848
683		Power connection to roof mounted gravity ventilator	1	EA	\$924.00	\$924
684		Power for Safair control panel	1	EA	\$1,200.00	\$1,200
685		Power for cord reel	4	EA	\$924.00	\$3,696
686		Power to bay doors & controllers	4	EA	\$1,500.00	\$6,000
687						



LINE	CODE	ELEMENT DESCRIPTION	QUANTITY	UNIT	UNIT RATE	TOTAL
688		Power outlets - including branch circuit wiring	10,460	SF	\$1.75	\$18,305
689		Floor boxes	3	EA	\$400.00	\$1,200
690		Power supply to appliances (range, refrigerator, dishwasher)	3	EA	\$750.00	\$2,250
691		Ready rack smart-dry 6 all-purpose turnout gear dryer cabinet - power & connection	1	EA	\$1,500.00	\$1,500
692		60 lb. high performance washer extractor Hi-performance washer-extractor - power &	1	EA	\$1,500.00	\$1,500
693		Misc. power connections for Owner furnished equipment.	1	ALLOW	\$5,000.00	\$5,000
694						
695		Lighting				
696		2x2 troffer, 1% dimming	48	EA	\$219.00	\$10,512
697		2x2 troffer, emergency	16	EA	\$244.00	\$3,904
698		6" downlight	26	EA	\$179.00	\$4,654
699		Emergency wall pack	8	EA	\$162.50	\$1,300
700		Ceiling fan without light, 48" blade span	8	EA	\$288.00	\$2,304
701		Apparatus bay fan - Allowance	1	EA	\$13,160.00	\$13,160
702		Low bay light	12	EA	\$581.25	\$6,975
703		LED pole mount area lighting (& pole)	7	EA	\$1,731.25	\$12,119
704		Gooseneck wall light	10	EA	\$406.25	\$4,063
705		Gooseneck wall light, emergency	2	EA	\$456.00	\$912
706		Wall pack led with battery backup	3	EA	\$309.00	\$927
707		2' strip light	12	EA	\$105.00	\$1,260
708		4' strip light	13	EA	\$230.00	\$2,990
709		4'strip light, emergency	6	EA	\$286.25	\$1,718
710		Restroom 2' vanity	5	EA	\$161.25	\$806
711		Exit sign	11	EA	\$200.00	\$2,200
712						
713		Lighting Fixtures installation	188	EA	\$125.00	\$23,500
714		Site Lighting System		EA	\$750.00	by power co.
715		Lighting branch circuiting & install labor	10,460	SF	\$4.00	\$41,840
716		Site LED pole branch circuit & install labor	7	EA	\$1,520.00	\$10,640
717		Occupancy/vacancy sensors/Lv switches - override system		EA	\$400.00	\$0
718					\$145,783.00	
719						
720		Low Voltage Support Power & Infrastructure				
721		Door Control	9	EA	\$300.00	\$2,700
722		Floor boxes conduit dedicated pathways for data from each floor box to wall	3	EA	\$125.00	\$375
723						
724		Security Cameras	18	EA	\$300.00	\$5,400
725		IP Clocks / Speaker Clocks / Analog Clocks	6	EA	\$300.00	\$1,800
726		Security / Intercom System Source Power	1	ls	\$1,500.00	\$1,500
727		PA System Source Power	1	ls	\$1,500.00	\$1,500
728		Tel/Data points wall box device & conduit to above ceiling	40	EA	\$350.00	\$14,000
729		HDMI/CATV outlet to ceiling	4	ea	\$450.00	\$1,800
730					\$29,075.00	
731						
732		Fire Alarm System				
733		Fire alarm control panel - FACP,	1	EA	\$12,491.00	\$12,491
734		Fire alarm annunciator - FAA	1	EA	\$8,971.00	\$8,971
735		Bi-directional amplifier system	1	LS	\$2,850.00	\$2,850
736		Sprinkler flow switch	1	EA	\$303.75	\$304
737		Sprinkler temperature switch	1	EA	\$606.25	\$606
738		Valve supervisory switch	3	EA	\$225.00	\$675
739		Addressable input monitor	1	EA	\$562.50	\$563
740		Heat detector / sensor	3	EA	\$220.00	\$660
741		Pull station / fire alarm	5	EA	\$316.25	\$1,581
742		Smoke detector / sensor	10	EA	\$310.00	\$3,100
743		Fire alarm bell notification	1	EA	\$235.00	\$235
744		Detector with sounder base	5	EA	\$122.50	\$613
745		ADA compliant wall mounted FA horn with strobe light	10	EA	\$663.75	\$6,638
746		FA strobe, white finish	7	EA	\$166.25	\$1,164
747		FA horn w/strobe, white finish	15	EA	\$322.50	\$4,838
748		Duct Smoke modules for hvac units	-	EA	\$1,200.00	\$0
749		Fire/Smoke damper connections	2	EA	\$750.00	\$1,500
750		FA system device install, wiring, programing & testing	10,460	SF	\$1.25	\$13,075
751		Demonstration & Training	10,460	SF	\$0.10	\$1,046
752					\$60,908.00	
753						
754		General				
755		Grounding	10,460	SF	\$1.00	\$10,460
756		Lightning protection		SF	\$0.95	\$0
757		Testing	10,460	SF	\$1.00	\$10,460
758		Coordination/arc flash and short circuit studies	0	SF	\$0.65	\$0
759		Coordination drawings	0	SF	\$1.00	\$0
760		Demonstration & Training - equipment	10,460	SF	\$0.10	\$1,046
761		Warranty and closeout	1	SF	\$0.65	included
762		Temporary light/power & Fire alarm systems	0	SF	\$1.00	\$0



LINE	CODE	ELEMENT DESCRIPTION	QUANTITY	UNIT	UNIT RATE	TOTAL
763						
764		Field Office Trailer hookup	1	LS	\$5,000.00	\$5,000
765		Construction Consumption	10	MO	\$1,500.00	\$15,000
766		Commissioning assistance (commissioning agent by owner)/training	20	MHr	\$195.00	\$3,900
767		Electrical Permit Allowance	1	LS	\$5,500.00	\$5,500
768						
769	26	Electrical				\$582,149
770						
771	28	AV & Communications Cabling				
772						
773		Tele/data Communications System - Not in Scope / by Fayetteville Fire				
774		By Fayetteville Fire				
775		WAP devices / ceiling	0	EA	\$1,100.00	by Owner vendor
777		Backbone Tele data Cable copper & Fiber	0	SF	\$1.00	by Owner vendor
781		Provide Tel/data head end equipment, phones, laptops. tablets	0	lot		by Owner vendor
782		Backbone CATV Cable copper & Fiber	0	SF	\$0.50	by Owner vendor
783		CATV flat screens & bracketing mounts	0	ea	\$2,500.00	by Owner vendor
784		CATV interface with Tel/data System	0	LS		by Owner vendor
785		Tele data Head end equipment installation& programming	0	SF	\$0.75	by Owner vendor
786						
787		Security & Controlled Access - Not in Scope / by Fayetteville Fire				
788		Security system - Owner Furnished / Owner Installed - OFOI		LS	\$0.00	by Owner vendor
789						
790		Emergency Responder Radio System				
791		Add alternate - Not in Base Bid				
792						
793						
794		Cable Install & Cable Management				
795		CAT6 Cable Install				
796		CAT6 cable install throughout living quarter, training, office, fitness	6,435	SF	\$2.54	\$16,345
797		HDMI Cable (include above)	6,436	SF	\$0.00	included above
798		Cable management above ceilings	6,435	SF	\$0.48	\$3,089
799		Testing & termination at racks	1	LS	\$5,582.08	\$5,582
800		Permits	1	LS	\$500.00	\$500
801						
802	28	AV & Communications Cabling				\$25,516
803						
804	31	Site Prep & Earthwork				
805		Site Preparation				
806		Clear & Grub Site (minimum work)	0	ACRE	\$2,100.00	\$0
807		Line & grade layout	0	LS	\$7,500.00	in general trades
808		General Site Layout	1	LS		in general trades
809		Existing Power Pole Relocate	1			local utilities
810		Remove & dispose of single trees & stumps - Allowance	4	EA	\$400.00	\$1,600
811						
812		Building Excavation & Fill				
813		Interior Spread Footings,				in 033000
814		Exterior Spread Footings				in 033000
815		Exterior Continuous Footings				in 033000
816						
817		Erosion Control				
818		Temporary Fence w/wind screen & Gates on LOC Line.	0	LF	\$0.00	in general trades
819		Tree Protection Fencing	415	LF	\$15.00	\$6,225
820		Silt fence & maint	726	LF	\$6.00	\$4,356
821		Silt fence outlets	2	EA	\$500.00	\$1,000
822		Inlet Protection - existing	0	EA	\$500.00	\$0
823		Inlet Protection - new	4	EA	\$500.00	\$2,000
824		Temp Seeding or binder spray	1	AL	\$3,500.00	\$3,500
825		Stone construction entrance & maint	381	SF	\$2.75	\$1,048
826		Diversion Dams w/Drains		LF	\$7.00	\$0
827		Temporary Erosion Control Sediment Basin Construction with assemblies	2,192	CY	\$5.00	\$10,958
828		Temp Concrete Washout	1	LS	\$4,000.00	\$4,000
829		CB Protection & maint	0	EA	\$375.00	\$0
830		Dust control	1	LS	\$3,500.00	\$3,500
831		Street sweeping	1	LS	\$3,500.00	\$3,500
832		Erosion & Sediment Control Maintain	1	LS	\$0.00	in general trades
833						
834		Aggregates				
835		Gravel under slab on grade (assume 6" thick)		CY		in 033000
836		Gravel under slab on grade for chiller, generator, truck pad, canopy sidewalks (assume 6" thick)		CY		in 033000
837		Gravel under parking lot paving		CY		see paving cost
838		Gravel under concrete paving/walks		CY		see coc walk const



LINE	CODE	ELEMENT DESCRIPTION	QUANTITY	UNIT	UNIT RATE	TOTAL
839		Gravel under site pads		CY		see site pads const
840						
841		Mass Cut & Fill				
842		Strip total	2,694	CY	\$14.00	\$37,716
844		Cut total	1,116	CY	\$14.00	\$15,624
845		Export (strip & cut)	790	CY	\$18.00	\$14,220
846		Strip & cut used as fill	1,116	CY	\$24.00	\$26,784
847		Stripping & cut use as fill - placement & compact	1,313	CY	\$18.00	\$23,634
848		Import fill	3,330	CY	\$44.00	\$146,520
849		Topsoil placement using onsite materials	2,157	CY	\$18.00	\$38,826
850						
851					\$303,324.00	
862						
863		Temp Fire Access (during construction)				
864		10' stone subbase	13	CY	\$48.00	\$600
865		Traffic Mat with Topsoil	1,200	SF	\$6.25	\$7,500
866					\$8,100.00	
867						
868		Pavement Markings				
869		Visitor Parking spaces	28	EA	\$20.00	\$560
870		Fire Station parking spaces	10	EA	\$20.00	\$200
871		HC symbols	1	EA	\$85.00	\$85
872		EV symbols	0	EA	\$85.00	n/a
873		"No parking" lines	159	SF	\$0.75	\$0
874		Crosswalk Lines	287	SF	\$1.00	\$287
875		Lane dividers	0	LF	\$1.00	\$0
876		Stop Lines	2	EA	\$450.00	\$900
877		Arrows	2	EA	\$75.00	\$150
878		Fire Lane yellow curb lines	162	LF	\$1.00	\$162
879		Total Pavement Marking Allowance			\$2,344.00	
880						
881		Site Signage				
882		HC parking signs	2	EA	\$300.00	\$600
883		Stop signs	2	EA	\$350.00	\$700
884		Directional signs	2	EA	\$350.00	\$700
885		No parking fire lane	1	EA	\$350.00	\$350
886		No Standing	1	EA	\$350.00	\$350
887		No enter	2	EA	\$350.00	\$700
888		Exit w/arrow	1	EA	\$350.00	\$350
889		Keep Right	0	EA	\$350.00	\$0
890		Speed Limit	0	EA	\$350.00	\$0
891		Crosswalk Warning Arrow	0	EA	\$350.00	\$0
892		Crosswalk Striping	16	LF	\$6.00	\$96
893						
894		Total Signage Allowance			\$3,846.00	
924						
925		Concrete Curbs				
926		Concrete Curb / Gutters NCDOT	1,296	LF	\$26.00	\$33,696
927		Fence Curb	0	LF	\$22.00	\$0
928						
929		Concrete Site Constructions				
930		Generator Pad				in 033000
931		Transformer Pad				in 033000
932		Flagpole base	1	EA	\$1,200.00	\$1,200
933		Graphic site sign base	1	LS	\$7,500.00	\$7,500
934		Drive entry sign base	2	EA	\$1,200.00	\$2,400
935		Wheel stops	38	EA	\$105.00	\$3,990
936						
937		Power wash concrete driveway & parking areas prior to final inspections & occupancy	2	EA	\$5,000.00	\$10,000
938						
939	31	Site Prep & Earthwork				\$418,087
940						
941	32	Site Improvements & Landscaping				
942		Rough Grading				
943		Gross Area of disturbance per Civil	36,258	SF		
944		Rough grading for slab on grade (CIP Conc.)	10,460	SF	\$1.00	\$10,460
945		Rough grading for parking lot paving	8,214	SF	\$1.00	\$11,280
946		Rough grading for concrete paving/driveway	10,878	SF	\$1.00	\$15,682
947		Rough grading for sidewalks	1,743	SF	\$1.00	\$3,508
948		Rough grading for stormwater pond	5,439	SF	\$1.00	\$14,793
949			36,734		\$55,723.00	



LINE	CODE	ELEMENT DESCRIPTION	QUANTITY	UNIT	UNIT RATE	TOTAL
950						
951		Fine Grading				
952		Gross Area of disturbance per Civil	36,258	SF		
953		Fine grading for slab on grade	10,460	SF	\$0.50	in 030000
954		Fine grading for parking lot paving	19,092	SF	\$0.50	\$9,546
955		Fine grading for concrete paving/walks	1,743	SF	\$0.50	\$872
956		Fine grading for stormwater pond	5,439	SF	\$1.00	\$5,439
957		Fine grading for lawns	1,189	SF	\$0.50	\$595
958						
959		Asphalt Paving				
960		Driveway asphalt paving	1,319	SY	\$60.00	\$79,140
961						
962		Site Concrete Paving				
963		Reinforced Concrete Driveways	15,682	SF	\$16.00	\$250,912
964		New Curbs	609	LF	\$10.00	\$6,090
965		Site Pavers & base	200	SF	\$35.00	\$7,000
966		New 6' wide sidewalks	948	SF	\$6.00	\$5,688
967		New 8' wide sidewalks	795	SF	\$6.00	\$4,770
968		Sidewalk ADA ramp	1	EA	\$1,850.00	\$1,850
969						
970		Equip Yard - 5" Reinforced Slab				
971		Included above in cast concrete		CY	\$150.00	\$0
972						
973		Landscaping				
974		Plantings				
975		Deciduous trees, 3 1/2"-4" caliper	13	EA	\$850.00	\$11,050
976		Deciduous trees, 2 1/2"-3" caliper	0	EA	\$450.00	\$0
977		Ornamental Grasses (beds)	0	SF	\$5.00	\$0
978		Shrubs	106	EA	\$188.00	\$19,928
979		Shrubs (beds)	1,254	SF	\$12.00	\$15,048
980		Storm Basin Plantings	1	LS	\$8,500.00	\$8,500
981		Storm basin final cleanup & dressing prior to final site inspections	1	LS	\$5,000.00	\$5,000
982		Soils				
983		Planting soil (assume 6" thick in planting beds)	23	CY	\$50.00	\$1,161
984		Topsoil (assume 4" thick @ lawns) spread from stockpile	11	CY	\$10.00	\$110
985		Pond basin soils	1	LS	\$8,000.00	\$8,000
986		Mulch (assume 6")	80	CY	\$45.00	\$3,600
987		Seeding (adjacent to bldg.)	1,189	SF	\$0.24	\$285
988		Seeding	35,000	SF	\$0.24	\$8,400
989					\$81,082.56	
990		Flagpoles				
991		Flagpole Fiberglas 30'	1	EA	\$3,276.00	\$3,276
992		Concrete flagpole base	1	EA	\$700.00	\$700
993						
994		Fencing				
995		Galvanized Chain Link Fence 4'	0	LF	\$95.00	\$0
996		Galvanized Chain Link Gate	0	EA	\$250.00	\$0
997		Generator Gate 10'	0	EA	\$1,250.00	within mech yard
998		Transformer Gate 10'	0	EA	\$1,250.00	within mech yard
999						
1000		Underground power utility - Allowance	1	LS	\$35,000.00	\$35,000
1001						
1002		Site Accessories Allowance Calculation				
1006		Trash Cans	4	EA	\$450.00	\$1,800
1007		Bicycle Racks	1	LS	\$2,500.00	\$2,500
1008						
1016		Site Access. Total Allowance			\$4,300.00	
1017						
1018	32	Site Improvements & Landscaping				\$551,983
1019						
1020	33	Utilities				
1021		Utility - structures, assemblies, valves				
1022		Cap, abandon existing utilities - Allowance	1	LS	\$4,500.00	\$4,500
1023		6" Gate valve, coner thrust assembly, stainless tapping sleeve	2	LS	\$6,683.75	\$13,368
1024		6" Backflow preventer	1	EA	\$16,867.50	\$16,868
1025		2" Reduce pressure backflow assembly	2	EA	\$4,332.50	\$8,665
1026		Water meter install/coord	1	LS	\$1,500.00	\$1,500
1027						
1028		Fire				
1029		Hydrant assembly	1	EA	\$5,500.00	\$5,500
1030		Fire department connection (M)	1	EA	2210.00	\$2,210
1031		Piping				



LINE	CODE	ELEMENT DESCRIPTION	QUANTITY	UNIT	UNIT RATE	TOTAL
1032		Pipe excavation		CY	\$16.00	\$0
1033		6" DIP - excavate, install	104	LF	\$145.00	\$15,080
1034		6" ductile - 90, 45, 22.5 Degree fittings	5	EA	\$895.00	\$4,475
1035		8" PVC - excavate, install	134	LF	\$183.00	\$24,522
1036		8" PVC - 90, 45, 22.5 degree connections	4	EA	\$313.75	\$1,255
1037		Sand bedding/cover	55	CY	\$56.00	\$3,074
1038		Pipe backfill	55	CY	\$20.00	\$1,098
1039		Excess to stockpile	11	CY	\$30.00	\$329
1040		Road Opening Permits	0	LS	\$0.00	not required
1041		Traffic Control	0	days	\$1,100.00	\$0
1042		Roadway Cut & Patch	0	LF	\$75.00	\$0
1043		Wet Tap Main	1	EA	\$2,500.00	\$2,500
1044		Domestic Water				
1045		Temp water to site	1	LS	\$7,500.00	\$7,500
1046		Pipe excavation		CY	\$16.00	\$0
1047		Pipe grade & compact		LF	\$4.00	\$0
1048		2" PVC	77	LF	\$28.00	\$2,156
1049		2" 90, 45, 22.5 Degree fittings	5	EA	\$67.50	\$338
1050		Sand bedding/cover	18	CY	\$56.00	\$1,020
1051		Pipe backfill	55	CY	\$20.00	\$1,093
1052		Excess to stockpile	11	CY	\$30.00	\$328
1053		Water line testing	82	LF	\$13.00	\$1,066
1054						
1055				Trade Subtotal	\$65,834.17	
1056						
1057		Gas Service Allowance Calculation				
1058		Furnish & install gas piping, fittings and valves to building manifold/meter	420	LF		By Gas Company
1059		Pipe excavation	185	CY	\$20.00	\$3,696
1060		Pipe grade & compact	1,260	SF	\$4.00	\$5,040
1061		Sand bedding/cover	84	CY	\$56.00	\$4,704
1062		Pipe backfill	105	CY	\$24.00	\$2,520
1063		Excess to stockpile	80	CY	\$40.00	\$3,192
1064				Total developed Allowance	\$19,152.00	
1065						
1066		Storm Drainage				
1067		Piping System				
1068		Drain Inlets	3	EA		\$0
1069		Structure excavation	57	CY	\$20.00	\$1,140
1070		Structure grade & compact	147	SF	\$4.00	\$588
1071		Structure crushed stone	3	CY	\$70.00	\$210
1072		Backfill	6	CY	\$24.00	\$144
1073		Excess to spoil	51	CY	\$34.00	\$1,734
1074		5'-0 x 4'-6 Drain inlet precast concrete sections	6	VF	\$500.00	\$3,000
1075		Leveling brick	114	EA	\$6.00	\$684
1076		CI frame & grate	3	EA	\$450.00	\$1,350
1077		Drainage Piping				
1078		Roof drain cleanout	3	EA	\$852.50	\$2,558
1079		Downspout connections	15	EA	\$470.00	\$7,050
1080		6" storm for downspouts	149	LF	\$40.00	\$5,960
1081		Pipe excavation	0	CY	\$20.00	\$0
1082		Pipe grade & compact	0	SF	\$4.00	\$0
1083		Pipe backfill	22	CY	\$24.00	\$530
1084		Excess to spoil	4	CY	\$34.00	\$150
1085						
1086		Tie into existing CB/MH	1	EA		
1087		Excavation	60	CY	\$20.00	\$1,200
1088		grade & compact	64	SF	\$4.00	\$256
1089		Backfill	58	CY	\$24.00	\$1,392
1090		Excess to spoil	2	CY	\$34.00	\$68
1091		Cut & patch onto existing CB/MH	0	EA	\$500.00	\$0
1092		Street Work				
1093		Road Opening Permits				in Permit Allow
1094		Traffic Control	3	days	\$1,100.00	\$3,300
1095		Roadway Cut & Patch	0	LF	\$150.00	\$0
1096						
1097		Temp Catch Basin				
1098		Permanent riser box	1	EA	\$2,180.00	\$2,180
1099		Outlet barrel	1	LS	\$3,200.00	\$3,200
1100		Temp skimmer	1	EA	\$4,820.00	\$4,820
1101						
1102		Wet Retention/Detention Basins				
1103		Basin Excavation bottom	0	CY	\$10.00	in grading



LINE	CODE	ELEMENT DESCRIPTION	QUANTITY	UNIT	UNIT RATE	TOTAL
1104		Grade & compact	0	SF	\$2.00	in grading
1105		Excess to stockpile	0	CY	\$10.00	in grading
1106		12" Clay Liner	0	CY	\$130.00	
1107		Planting soil	0	CY		in Landscaping
1108						
1109				Subtotal Trade	\$41,513.38	
1110						
1111		Sanitary Sewer				
1112		SS Structures, Piping				
1113		Sani cleanout	3	EA	\$2,450.00	\$7,350
1114		Structure grade & compact	0	SF	\$4.00	\$0
1115		Sewer Piping				
1116		4" PVC, excavate, install	101	LF	\$179.00	\$18,079
1117		Pipe grade & compact	303	SF	\$4.00	\$1,212
1118		Crushed stone bedding/cover	22	CY	\$65.00	\$1,459
1119		Pipe backfill	45	CY	\$20.00	\$898
1120		Excess to stockpile	9	CY	\$30.00	\$269
1121						
1122		Street Tap				
1123		Road Opening Permits				not required
1124		Traffic Control	5	days	\$1,100.00	\$5,500
1125		Roadway Cut & Patch	0	LF	\$75.00	\$0
1126		Core & connect 4" PVC to existing manhole	1	EA	\$2,500.00	\$2,500
1127				Trade Subtotal	\$37,267.00	
1128						
1129		Site Electrical Service				
1130		Two 6" conduit from property line to transformer	154	LF	\$83.00	\$12,782
1131		Two 4" duct bank from IT room to property line	100	LF	\$162.00	\$16,200
1132		One 1" conduit from property line to FACP tamper switches	98	LF	\$46.00	\$4,508
1133						
1134		Cable (Pole to Transformer)				by power co.
1135		Transformer				by power co.
1136		Transformer Pad	1	LS		in 030000
1137		Duct bank concrete; material 3000 PSI	30	CY	\$110.00	\$3,259
1138		Duct bank concrete; place (in road)	0	CY	\$60.00	\$0
1139		Backfill	7	CY	\$20.00	\$148
1140		Excess to stockpile	22	CY	\$30.00	\$667
1141				Trade Subtotal	\$37,564.07	
1142						
1143		Site Tel/Data Service				
1144		Tel/Data conduits (pole to demark) (Pair 4") - Allowance	220	LF	\$36.00	\$7,920
1145		Cable (Pole to demark)				by utility
1146		Excavation	0	CY	\$16.00	\$0
1147		Grade & compact	0	SF	\$4.00	\$0
1148		Backfill	0	CY	\$20.00	\$0
1149		Excess to stockpile	0	CY	\$30.00	\$0
1150				Trade Subtotal	\$7,920.00	
1151						
1152		Site Lighting				
1153		Lighting conduits				
1154		E/B for site lighting conduit	2,000	LF	\$24.00	\$48,000
1155		Light poles	7	EA	\$850.00	in electrical
1156		Light pole bases				\$0
1157		Sono tube forms, coner materials & placement	7	EA	\$1,250.00	\$0
1158						
1159						
1160	33	Utilities				\$309,861