

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY**

5F-1

Meeting Date: February 6, 2007

☐ Consent
☐ Ordinance

☒ Regular
☐ Public Hearing

Department: Facilities Development & Operations

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve:

A) JOC Work Order No. 07-038 with H.A. Contracting Corp., (R2005-0540) in the amount of \$406,057.99 to provide construction of a Computer Room on the fourth floor of the Judicial Center in West Palm Beach;

B) a budget transfer in the amount of \$430,000 from reserves in the General Fund to increase the transfer out line to the Public Building Improvement Fund; and

C) a budget amendment in the amount of \$430,000 to recognize funds transferred into the Public Building Improvement Fund and to establish a project budget.

Summary: The work consists of creating one large code compliant Computer IT Room by remodeling three existing rooms to satisfy all special code requirements, including fire-rating of the perimeter walls, electrical modifications required, and new A/C equipment to satisfy future heat load projections for computer equipment. The SBE participation in this work order is 16.92% Overall. When the participation for this work order is added to H.A.'s total participation-to-date, the resulting values are 18.5% Overall. The SBE goals are 15% Overall. The total construction duration is 120 days. This work will comply with all applicable local, state, and federal codes and regulations. Last summer as part of the 2007 budget process, the Clerk and Comptroller requested funding in the amount of \$500,000 for renovations to the 2nd Floor of the Governmental Center. The Board did not include the funding in the budget, but instead indicated that it would reconsider such a request after coordination and justification for the project had been presented. Recently, the Clerk and Comptroller has determined that the renovations on the 2nd Floor are not required and requests that the Board fund an expansion and renovation to its IT facilities on the 4th Floor of the Courthouse instead, a project which has been on-going for over a year and one for which it had not previously sought County funding. These expenditures are the County's responsibility under Article V and typically would have been requested and considered through the budget process. Since the Board had anticipated funding in this amount as part of the budget process, Staff is recommending that it re-allocate the funding previously requested for the 2nd Floor Governmental Center Renovations to this project. (FD&O Admin) Countywide/District 7 (JM)

Background & Policy Issues: The Clerk has an existing communications room being used to house their computer servers and UPS equipment. This room has a high temperature problem requiring portable spot coolers to keep this equipment from overheating. To accommodate additional computer equipment, the walls to two adjacent rooms are to be removed to enlarge this communications room to create a computer equipment room. This will add to the existing high temperature problems. A study of existing as well as projected computer equipment heat loads by Gartek Engineering led to the design of a new dedicated A/C system for this space. This Work Order will provide the new A/C system as well as other WPB Building Department code requirements for a Computer Room (fire rating, electrical modifications, etc.).

Attachments:

1. Work Order
2. Contractor's Cost Proposal
3. SBE Estimate Report
4. BAS
5. Budget Transfer
6. Budget Amendment

Recommended by:

Amy Wolf
Department Director

1/23/07
Date

Approved by:

[Signature]
County Administrator

2/1/07
Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Year	2007	2008	2009	2010	2011
Capital Expenditures	429,998.86	0	0	0	0
Operating Costs	0	0	0	0	0
External Revenues	0	0	0	0	0
Program Income (County)		0	0	0	0
In-Kind Match (County)	0	0	0	0	0
NET FISCAL IMPACT	429,998.86	0	0	0	0
# Additional FTE Positions (Cumulative)	—	—	—	—	

Is Item Included in Current Budget? Yes ___ No ☒

Budget Account No: 3804-411-B416-4907

Reporting Category _____

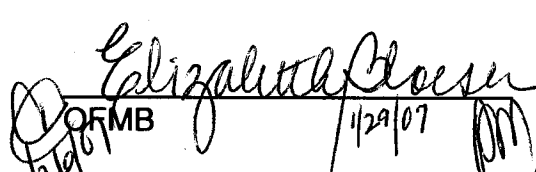
B. Recommended Sources of Funds/Summary of Fiscal Impact:

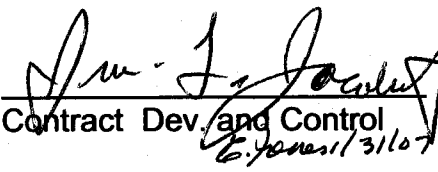
Construction: 406,057.99
Architect/Eng: 6,090.87
Staff Cost: 8,000.00
Contingency: 9,856.00
Total: 429,998.86

C. Departmental Fiscal Review: _____ Transfer of 430,000 to cover total cost.

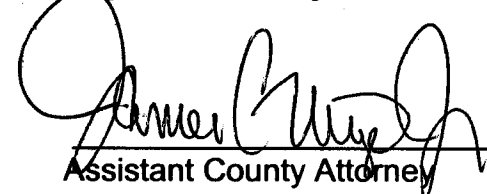
III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Development & Control Comments:


OFMB 1/29/07 11/29/07


Contract Dev. and Control 11/31/07


B. Legal Sufficiency:


Assistant County Attorney 1/1/07

This item complies with current County policies.

C. Other Department Review:

Department Director

January 08, 2007	JOC Work Order Job Order Construction Services	
06452	Judicial Center - IT A/C replacement Judicial Center 205 North Dixie Highway, WEST PALM BEACH	

Brief Description: Remove two interior walls to increase the size of the work space Provide replacement of the existing Liebert A/C system for the IT server room on the 4th floor to handle additional servers and expansion of the room.

Contractor: HA Contracting Corp.
 9500 NW 12th Street
 Miami, FL 33172
 Contract: R-2005-0540 Dated March 15, 2005

AMOUNT: \$ 406,057.99 **DISTRICT:** 7

Funding: 3804-411-B389-02-4907

JOC Work Order #: 07-038

Project Duration: 180 Days (Liquidated damages will apply)

Approval Signatures

For Andy Gamble, Project Coordinator	<i>AG</i>	1/8/07 Date
Audrey Wolf, Director Facilities Development & Operations	<i>AW</i> ✓ <i>Audrey Wolf</i>	1/13/07 Date
Chair Contract Review Committee	(NOT REQUIRED FOR PROJECTS <\$100,000 OR >\$200,000)	
Approved as to form and legal sufficiency County Attorney	<i>[Signature]</i>	2/1/07 Date
Addie L. Greene, Chairperson Board of County Commissioners		Date

President HA Contracting Corp.	<i>Larry Little</i>	1-08-07 Date
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COPY: Project File

ATTACHMENT # 1

**Job Order Contract
Contractor's Proposal Summary**

R-2005-0540

Job Order #: 06452
Job Order Title: Judicial Center - IT A/C replacement
Date: January 08, 2007

Section	Total
Section 01 - General Requirements	\$143,671.93
Section 05 - Metals	\$6,529.43
Section 08 - Doors and Windows	\$288.86
Section 09 - Finishes	\$14,150.51
Section 15 - Mechanical	\$170,343.06
Section 16 - Electrical	\$67,805.88
Section 18 - Non-PrePriced	\$3,268.32
Job Order Proposal Total	\$406,057.99

This work order proposal total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding of the line totals and sub-totals.

ATTACHMENT # 2

Job Order Contract
Proposal Review

Date January 08, 2007
Re: Job Order #: 06452
Title: Judicial Center - IT A/C replacement
Contractor: HA Contracting Corp.
Review: Judicial Center IT A/C replacement - 1/4/2007 5:34:43PM
Proposal Value: 406,057.99

Sect.	Item	Mod.	UOM	Description	Line Total
Section 01					
01352	1021		HR	Insulator, Note: Line Items In The CTC Include Appropriate Costs To Cover Labor. These Items Will Be Requested Specifically By The Owner For Miscellaneous Work Not Covered In The CTC.	2,334.33
				Quantity Unit Price Factor Total	
			Installation	52.00 x 42.35 x 1.0600 =	2,334.33
				Note: For firecaulking all penetrations	
01352	1051		HR	Carpenter, Note: Line Items In The CTC Include Appropriate Costs To Cover Labor. These Items Will Be Requested Specifically By The Owner For Miscellaneous Work Not Covered In The CTC.	6,090.70
				Quantity Unit Price Factor Total	
			Installation	200.00 x 26.95 x 1.1300 =	6,090.70
				Note: For misc. interior, removal / demo / phasing	
01352	1091		HR	Electrician, Note: Line Items In The CTC Include Appropriate Costs To Cover Labor. These Items Will Be Requested Specifically By The Owner For Miscellaneous Work Not Covered In The CTC.	30,003.30
				Quantity Unit Price Factor Total	
			Installation	900.00 x 31.45 x 1.0600 =	30,003.30
				Siemens Controls & phasing	
01352	1091		HR	Electrician, Note: Line Items In The CTC Include Appropriate Costs To Cover Labor. These Items Will Be Requested Specifically By The Owner For Miscellaneous Work Not Covered In The CTC.	2,666.96
				Quantity Unit Price Factor Total	
			Installation	80.00 x 31.45 x 1.0600 =	2,666.96
				cable tray,demo, & phasing	
01352	1091		HR	Electrician, Note: Line Items In The CTC Include Appropriate Costs To Cover Labor. These Items Will Be Requested Specifically By The Owner For Miscellaneous Work Not Covered In The CTC.	8,834.31
				Quantity Unit Price Factor Total	
			Installation	265.00 x 31.45 x 1.0600 =	8,834.31
				SimplexGrinnel	
01352	1241		HR	Plasterer, Note: Line Items In The CTC Include Appropriate Costs To Cover Labor. These Items Will Be Requested Specifically By The Owner For Miscellaneous Work Not Covered In The CTC.	4,762.27
				Quantity Unit Price Factor Total	
			Installation	160.00 x 26.34 x 1.1300 =	4,762.27
				Note: For wet taping & finishing repairs (no sanding)	
01352	1281		HR	Roofer, Composite, Note: Line Items In The CTC Include Appropriate Costs To Cover Labor. These Items Will Be Requested Specifically By The Owner For Miscellaneous Work Not Covered In The CTC.	3,569.55
				Quantity Unit Price Factor Total	
			Installation	150.00 x 22.45 x 1.0600 =	3,569.55
				Note: For repair to roof at removed existing cond. units.	
01352	1351		HR	Steam / Pipe Fitter, Note: Line Items In The CTC Include Appropriate Costs To Cover Labor. These Items Will Be Requested Specifically By The Owner For Miscellaneous Work Not Covered In The CTC.	3,172.56
				Quantity Unit Price Factor Total	
			Installation	83.00 x 36.06 x 1.0600 =	3,172.56
				Note: C/M of farmer Erwing fire suppression system	

Sect.	Item	Mod.	UOM	Description	Line Total
01352	1391		HR	Tile Layer, Note: Line Items In The CTC Include Appropriate Costs To Cover Labor. These Items Will Be Requested Specifically By The Owner For Miscellaneous Work Not Covered In The CTC.	822.28
				Quantity Unit Price Factor Total	
			Installation	32.00 x 22.74 x 1.1300 =	822.28
				Flooring / VCT repairs	
01352	1501		HR	Laborer, Note: Line Items In The CTC Include Appropriate Costs To Cover Labor. These Items Will Be Requested Specifically By The Owner For Miscellaneous Work Not Covered In The CTC.	3,704.14
				Quantity Unit Price Factor Total	
			Installation	200.00 x 16.39 x 1.1300 =	3,704.14
				R/R visquin on walls, chairs & floors	
01352	1501		HR	Laborer, Note: Line Items In The CTC Include Appropriate Costs To Cover Labor. These Items Will Be Requested Specifically By The Owner For Miscellaneous Work Not Covered In The CTC.	2,222.48
				Quantity Unit Price Factor Total	
			Installation	120.00 x 16.39 x 1.1300 =	2,222.48
				Note: transport trash to dumpster	
01352	3012		HR	Investigating Senior Engineer Or Specialty Consultant, For Special Investigating Requirements Or Services Outside Required Architectural And Engineering Services	3,390.00
				Quantity Unit Price Factor Total	
			Installation	24.00 x 125.00 x 1.1300 =	3,390.00
				Note: H.A. cancelled hvac plans	
01352	3020		HR	Programming And Certification Of New Devices To Existing Panels	31,800.00
				Quantity Unit Price Factor Total	
			Installation	250.00 x 120.00 x 1.0600 =	31,800.00
				Siemens - start-up, engineering, comm. labor	
01540	3005		WK	Rolling Scaffolding 21' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	2,911.20
				Quantity Unit Price Factor Total	
			Installation	12.00 x 214.69 x 1.1300 =	2,911.20
01540	3011		EA	Rolling Scaffolding Erection And Dismantling. Cost Includes Both Erection And Dismantling Of Scaffolding. Used To Set-up Scaffolding And Dismantle For Return, Per Rolling Scaffold Per Job.	47.03
				Quantity Unit Price Factor Total	
			Installation	2.00 x 20.81 x 1.1300 =	47.03
01560	5301		SF	Masonite For Floor Protection	515.16
				Quantity Unit Price Factor Total	
			Installation	1,800.00 x 0.27 x 1.0600 =	515.16
				Note: Protection to carpet area outside	
01590	7701		MO	Ventilation Equipment For Confined Spaces	506.47
				Quantity Unit Price Factor Total	
			Installation	2.00 x 224.10 x 1.1300 =	506.47
				Note: For Hepa Filter rental	
01590	7703		DAY	Confined Space Air Monitor Personnel Note: Per Person Needed, Per Day	8,661.17
				Quantity Unit Price Factor Total	
			Installation	43.00 x 178.25 x 1.1300 =	8,661.17
				Note: Hepa Filter c/o labor 2 months & duct thru ceiling	
01590	9217		DAY	300 Ton Lift Mechanical Crane, With Full-Time Operator	4,555.27
				Quantity Unit Price Factor Total	
			Installation	2.00 x 2,148.71 x 1.0600 =	4,555.27
01591	3131		DAY	1-1/2 Ton Flat Bed Truck, 4 x 2, With Full-Time Truck Driver	5,776.73
				Quantity Unit Price Factor Total	
			Installation	15.00 x 340.81 x 1.1300 =	5,776.73
				Note: Transport trash to dumpster at sa/pd	
01591	4112		EA	300 Ton Move On/Off Cost, Mechanical Crane	7,548.58
				Quantity Unit Price Factor Total	
			Installation	2.00 x 3,560.65 x 1.0600 =	7,548.58

Sect.	Item	Mod.	UOM	Description	Line Total			
01660	1002		CY	Moving Material Via Elevator, Per CY Of Material Per Trip				5,830.00
				Quantity	Unit Price	Factor	Total	
			Installation	5,500.00 x	1.00 x	1.0600 =	5,830.00	
01660	4002		CY	Rubbish Handling Via Elevator, Per CY Of Material				402.80
				Quantity	Unit Price	Factor	Total	
			Installation	380.00 x	1.00 x	1.0600 =	402.80	
01740	1111		CSF	Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent				3,544.64
				Quantity	Unit Price	Factor	Total	
			Installation	800.00 x	4.18 x	1.0600 =	3,544.64	
			Daily clean up					
Subtotal for 01								\$143,671.93

Section 05

05410	2107		LF	1-1/2" x 1-1/2" x 3/16" Angle Iron				1,237.66
				Quantity	Unit Price	Factor	Total	
			Installation	280.00 x	4.17 x	1.0600 =	1,237.66	
			Note: Stands for 2 units					
05410	2703		SF	3/16" Ground Flat Stock				1,240.45
				Quantity	Unit Price	Factor	Total	
			Installation	12.00 x	97.52 x	1.0600 =	1,240.45	
			Note: Stand for 2 units					
05730	4002		SF	Galvanized Steel Drip Pan				4,051.32
				Quantity	Unit Price	Factor	Total	
			Installation	200.00 x	19.11 x	1.0600 =	4,051.32	
Subtotal for 05								\$6,529.43

Section 08

08305	1103		EA	18"x18" Access Doors Stainless Steel With Lock, Fire Rated				288.86
				Quantity	Unit Price	Factor	Total	
			Installation	1.00 x	272.51 x	1.0600 =	288.86	
			Note: For HVAC					
Subtotal for 08								\$288.86

Section 09

09250	1103		SF	5/8" Drywall, One Layer, One Face On Wood Or Metal Studs Or Furring, (16 mm)				200.01
				Quantity	Unit Price	Factor	Total	
			Installation	100.00 x	0.65 x	1.1300 =	73.45	
			Demolition	800.00 x	0.14 x	1.1300 =	126.56	
09270	1001		LF	Casing, J-Bead For Gypsum Wallboard				31.19
				Quantity	Unit Price	Factor	Total	
			Installation	40.00 x	0.69 x	1.1300 =	31.19	
09511	1101		SF	2' x 2' x 5/8" Fiberglass Acoustical Ceiling Panel (Suspension System Not Included)				1,029.43
				Quantity	Unit Price	Factor	Total	
			Installation	1,100.00 x	0.72 x	1.1300 =	894.96	
			Demolition	850.00 x	0.14 x	1.1300 =	134.47	
09511	1101		PCT	For Premium Grade (Eclipse Or Cirus) Ceiling Tile, Add				124.30
				Quantity	Unit Price	Factor	Total	
			Installation	1,100.00 x	0.10 x	1.1300 =	124.30	
09511	1101		SF	For Fire Rated Panels, Add				509.63
				Quantity	Unit Price	Factor	Total	
			Installation	1,100.00 x	0.41 x	1.1300 =	509.63	
09511	1101		PCT	For Quantities > 5000 To 6000 (> 464.5 m2 To 557.4 m2), Deduct				-28.82
				Quantity	Unit Price	Factor	Total	
			Installation	850.00 x	-0.03 x	1.1300 =	-28.82	

Sect.	Item	Mod.	UOM	Description	Line Total			
09511	6002		SF	Remove And Reinstall Acoustical Panels Only				105.77
				Quantity	Unit Price	Factor	Total	
			Installation	360.00 x	0.26 x	1.1300 =	105.77	
09540	1002		SF	T Bar Ceilings Suspension System 2'x 2', Standard 15/16"				1,887.10
				Quantity	Unit Price	Factor	Total	
			Installation	1,100.00 x	1.41 x	1.1300 =	1,752.63	
			Demolition	850.00 x	0.14 x	1.1300 =	134.47	
09540	1002		SF	For Carrier Channel On Ceilings With Recessed Light Fixtures, Add Note: Seismic Control Or Where Required				360.70
				Quantity	Unit Price	Factor	Total	
			Installation	1,064.00 x	0.30 x	1.1300 =	360.70	
09540	1002		SF	For Acid Resisive, Add				3,005.80
				Quantity	Unit Price	Factor	Total	
			Installation	1,064.00 x	2.50 x	1.1300 =	3,005.80	
09540	1002		PCT	For Individual Room Quantities < 495 (< 46 m2), Add Note: For Use With Projects > 5000 SF (> 464.5 m2)				134.47
				Quantity	Unit Price	Factor	Total	
			Installation	850.00 x	0.14 x	1.1300 =	134.47	
09650	1101		SF	Latex Self Leveling Underlay, 1/8" Thick				71.81
				Quantity	Unit Price	Factor	Total	
			Installation	205.00 x	0.31 x	1.1300 =	71.81	
09650	3342		LF	1/8" Rubber Base, Group 1, 6" High Black, Russet And Umber				146.34
				Quantity	Unit Price	Factor	Total	
			Installation	70.00 x	1.58 x	1.1300 =	124.98	
			Demolition	70.00 x	0.27 x	1.1300 =	21.36	
09660	1101		SF	12"x12" Static-Dissipative Or Conductive Vinyl Floor Tile				1,040.11
				Quantity	Unit Price	Factor	Total	
			Installation	205.00 x	4.49 x	1.1300 =	1,040.11	
				For anti-static tile installation				
09680	2204		SY	Nylon 28 Ounce Medium Traffic Commercial Carpet				159.47
				Quantity	Unit Price	Factor	Total	
			Installation	0.00 x	20.18 x	1.1300 =	0.00	
			Demolition	72.00 x	1.96 x	1.1300 =	159.47	
09680	2801		SY	Grinding Of Existing Concrete Floor Prior To Installation Of Carpet				270.12
				Quantity	Unit Price	Factor	Total	
			Installation	72.00 x	3.32 x	1.1300 =	270.12	
09920	1411		SF	Paint Interior Plaster/Drywall, 1 Coat Primer, Brush				348.04
				Quantity	Unit Price	Factor	Total	
			Installation	1,400.00 x	0.22 x	1.1300 =	348.04	
09920	1413		SF	Paint Interior Plaster/Drywall, 2 Coats Paint, Brush				664.44
				Quantity	Unit Price	Factor	Total	
			Installation	1,400.00 x	0.42 x	1.1300 =	664.44	
09945	1202		SF	Hand Wash, Minor Repair And Light Sanding Drywall Surfaces				2,232.88
				Quantity	Unit Price	Factor	Total	
			Installation	15,200.00 x	0.13 x	1.1300 =	2,232.88	
09945	1822		SF	Cut And Patch Hole To Match Existing, > 10 SF To 50 SF				1,857.72
				Quantity	Unit Price	Factor	Total	
			Installation	400.00 x	4.11 x	1.1300 =	1,857.72	
Subtotal for 09								\$14,150.51

Section 15

15043	2008		EA	Balancing Built-up High Pressure Variable Volume Unit				1,999.67
				Quantity	Unit Price	Factor	Total	
			Installation	4.00 x	471.62 x	1.0600 =	1,999.67	

Sect.	Item	Mod.	UOM	Description	Line Total				
15043	3002		EA	Balancing HVAC Duct System, Ceiling Height > 12' Supply, Return, Exhaust, Register And Diffuser	191.48				
			Installation	Quantity 4.00 x Unit Price 45.16 x Factor 1.0600 = Total 191.48					
15043	4001		EA	Water Balance, Air Cool Condenser	787.54				
			Installation	Quantity 4.00 x Unit Price 185.74 x Factor 1.0600 = Total 787.54					
15048	6321		EA	Purge Liquid System, 0-100 LF Of 2" - 4" Diameter Pipe	6,806.47				
			Installation	Quantity 40.00 x Unit Price 160.53 x Factor 1.0600 = Total 6,806.47					
15063	1105		LF	1" Inside Diameter (25 mm) Copper Pipe/Tubing Type L	2,828.08				
			Installation	Quantity 460.00 x Unit Price 4.22 x Factor 1.0600 = Total 2,057.67					
			Demolition	Quantity 460.00 x Unit Price 1.58 x Factor 1.0600 = Total 770.41					
15063	1105		PCT	For Type K Tubing Instead Of Type L, Add	243.80				
			Installation	Quantity 460.00 x Unit Price 0.50 x Factor 1.0600 = Total 243.80					
15063	1105		PCT	For Work In Restricted Working Space, Add	346.20				
			Installation	Quantity 460.00 x Unit Price 0.71 x Factor 1.0600 = Total 346.20					
15063	1108		LF	2" Inside Diameter (51 mm) Copper Pipe/Tubing Type L	5,758.56				
			Installation	Quantity 460.00 x Unit Price 9.21 x Factor 1.0600 = Total 4,490.80					
			Demolition	Quantity 460.00 x Unit Price 2.60 x Factor 1.0600 = Total 1,267.76					
15063	1108		PCT	For Type K Tubing Instead Of Type L, Add	624.13				
			Installation	Quantity 460.00 x Unit Price 1.28 x Factor 1.0600 = Total 624.13					
15063	1108		PCT	For Work In Restricted Working Space, Add	570.49				
			Installation	Quantity 460.00 x Unit Price 1.17 x Factor 1.0600 = Total 570.49					
15063	2117		EA	2" 90 Degree Elbow, Copper	764.53				
			Installation	Quantity 25.00 x Unit Price 28.85 x Factor 1.0600 = Total 764.53					
15063	2117		PCT	For Work In Restricted Working Space, Add	153.17				
			Installation	Quantity 25.00 x Unit Price 5.78 x Factor 1.0600 = Total 153.17					
15063	2135		EA	1" 45 Degree Elbow, Copper	906.72				
			Installation	Quantity 65.00 x Unit Price 13.16 x Factor 1.0600 = Total 906.72					
15063	2135		PCT	For Work In Restricted Working Space, Add	204.63				
			Installation	Quantity 65.00 x Unit Price 2.97 x Factor 1.0600 = Total 204.63					
15063	2138		EA	2" 45 Degree Elbow, Copper	746.51				
			Installation	Quantity 25.00 x Unit Price 28.17 x Factor 1.0600 = Total 746.51					
15063	2138		PCT	For Work In Restricted Working Space, Add	153.17				
			Installation	Quantity 25.00 x Unit Price 5.78 x Factor 1.0600 = Total 153.17					
15063	2185		EA	1" Straight Copper Coupling	177.29				
			Installation	Quantity 15.00 x Unit Price 11.15 x Factor 1.0600 = Total 177.29					
15063	2185		PCT	For Work In Restricted Working Space, Add	47.22				
			Installation	Quantity 15.00 x Unit Price 2.97 x Factor 1.0600 = Total 47.22					

Sect.	Item	Mod.	UOM	Description	Line Total			
15063	2188		EA	2" Straight Copper Coupling				893.37
				Quantity	Unit Price	Factor	Total	
				Installation 35.00 x	24.08 x	1.0600 =	893.37	
15063	2188		PCT	For Work In Restricted Working Space, Add				214.44
				Quantity	Unit Price	Factor	Total	
				Installation 35.00 x	5.78 x	1.0600 =	214.44	
15063	2217		EA	2" Reducing Copper Coupling				342.04
				Quantity	Unit Price	Factor	Total	
				Installation 12.00 x	26.89 x	1.0600 =	342.04	
15063	2217		PCT	For Work In Restricted Working Space, Add				73.52
				Quantity	Unit Price	Factor	Total	
				Installation 12.00 x	5.78 x	1.0600 =	73.52	
15094	2506		EA	2" Steel Pipe Clamp Type 4				949.17
				Quantity	Unit Price	Factor	Total	
				Installation 123.00 x	7.28 x	1.0600 =	949.17	
15094	2506		PCT	For Work In Restricted Working Space, Add				183.84
				Quantity	Unit Price	Factor	Total	
				Installation 123.00 x	1.41 x	1.0600 =	183.84	
15182	4405		LF	1" Diameter Iron Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam				2,252.71
				Quantity	Unit Price	Factor	Total	
				Installation 460.00 x	4.62 x	1.0600 =	2,252.71	
15182	4405		PCT	For Work In Restricted Working Space, Add				516.86
				Quantity	Unit Price	Factor	Total	
				Installation 460.00 x	1.06 x	1.0600 =	516.86	
15182	4408		LF	2" Diameter Iron Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam				2,974.36
				Quantity	Unit Price	Factor	Total	
				Installation 460.00 x	6.10 x	1.0600 =	2,974.36	
15182	4408		PCT	For Work In Restricted Working Space, Add				653.38
				Quantity	Unit Price	Factor	Total	
				Installation 460.00 x	1.34 x	1.0600 =	653.38	
15665	2011		EA	150 Ton Water Cooled Condenser, Shell And Tube Type				51,505.23
				Quantity	Unit Price	Factor	Total	
				Installation 2.00 x	23,608.67 x	1.0600 =	50,050.38	
				Demolition 2.00 x	686.25 x	1.0600 =	1,454.85	
				Note: For condenser #1 & #2				
15665	2011		PCT	For Saddle Legs, Add				3,803.75
				Quantity	Unit Price	Factor	Total	
				Installation 2.00 x	1,794.22 x	1.0600 =	3,803.75	
15828	4018		EA	72" x 72" Roof Curb				2,588.50
				Quantity	Unit Price	Factor	Total	
				Installation 2.00 x	1,220.99 x	1.0600 =	2,588.50	
15834	1148		EA	55000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan				61,941.18
				Quantity	Unit Price	Factor	Total	
				Installation 2.00 x	29,217.54 x	1.0600 =	61,941.18	
15834	1148		PCT	For Flat Filter Box And Throwaway Filters, Add				5,565.81
				Quantity	Unit Price	Factor	Total	
				Installation 2.00 x	2,625.38 x	1.0600 =	5,565.81	
15840	1505		LB	Sheet Metal Ductwork, Medium Pressure, Shop Fabricated, Galvanized, Field Assemble And Install				4,418.93
				Quantity	Unit Price	Factor	Total	
				Installation 965.00 x	3.32 x	1.0600 =	3,396.03	
				Demolition 965.00 x	1.00 x	1.0600 =	1,022.90	

Sect.	Item	Mod.	UOM	Description	Line Total			
15861	1005		EA	12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	479.80			
				Installation	Quantity	Unit Price	Factor	Total
					12.00 x	37.72 x	1.0600 =	479.80
15865	1003		EA	30" x 24" Smoke/Fire Damper	727.57			
				Installation	Quantity	Unit Price	Factor	Total
					1.00 x	686.39 x	1.0600 =	727.57
15867	1113		EA	24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,472.72			
				Installation	Quantity	Unit Price	Factor	Total
					12.00 x	115.78 x	1.0600 =	1,472.72
15880	1351		EA	24"x24"x4" Thick Carbon Impregnated Pleated Air Filter	4,818.34			
				Installation	Quantity	Unit Price	Factor	Total
					120.00 x	37.88 x	1.0600 =	4,818.34
				Note: Hepa filters				
15920	3101		EA	Room Temperature Sensor With Cover	657.88			
				Installation	Quantity	Unit Price	Factor	Total
					4.00 x	155.16 x	1.0600 =	657.88

Subtotal for 15 \$170,343.06

Section 16

16101	1003		EA	Lock Out/Tag Out Circuit Breaker	302.48			
				Installation	Quantity	Unit Price	Factor	Total
					24.00 x	11.89 x	1.0600 =	302.48
16120	1561		MLF	#14 AWG Cable - Type THHN-THWN 600 V Copper, Single Stranded, Placed In Conduit	5,039.87			
				Installation	Quantity	Unit Price	Factor	Total
					28.80 x	165.09 x	1.0600 =	5,039.87
				Note: For HVAC				
16120	1562		MLF	#12 AWG Cable - Type THHN-THWN 600 V Copper, Single Stranded, Placed In Conduit	9,173.67			
				Installation	Quantity	Unit Price	Factor	Total
					41.50 x	208.54 x	1.0600 =	9,173.67
16120	1563		MLF	#10 AWG Cable - Type THHN-THWN 600 V Copper, Single Stranded, Placed In Conduit	829.70			
				Installation	Quantity	Unit Price	Factor	Total
					2.75 x	284.63 x	1.0600 =	829.70
16120	1564		MLF	#8 AWG Cable - Type THHN-THWN 600 V Copper, Single Stranded, Placed In Conduit	159.89			
				Installation	Quantity	Unit Price	Factor	Total
					0.37 x	407.67 x	1.0600 =	159.89
16120	1565		MLF	#6 AWG Cable - Type THHN-THWN 600 V Copper, Single Stranded, Placed In Conduit	27.94			
				Installation	Quantity	Unit Price	Factor	Total
					0.05 x	527.25 x	1.0600 =	27.94
16120	1566		MLF	#4 AWG Cable - Type THHN-THWN 600 V Copper, Single Stranded, Placed In Conduit	319.11			
				Installation	Quantity	Unit Price	Factor	Total
					0.42 x	716.77 x	1.0600 =	319.11
16120	1568		MLF	#2 AWG Cable - Type THHN-THWN 600 V Copper, Single Stranded, Placed In Conduit	119.85			
				Installation	Quantity	Unit Price	Factor	Total
					0.11 x	1,027.84 x	1.0600 =	119.85
16120	1575		MLF	250 MCM Cable - Type THHN-THWN 600 V Copper, Single Stranded, Placed In Conduit	995.93			
				Installation	Quantity	Unit Price	Factor	Total
					0.32 x	2,936.10 x	1.0600 =	995.93
16121	1923		EA	#18-10 Plastic Wire Nut	155.03			
				Installation	Quantity	Unit Price	Factor	Total
					375.00 x	0.39 x	1.0600 =	155.03

Sect.	Item	Mod.	UOM	Description	Line Total				
16131	2134		EA	RGS 1-1/4" 90 Degree Elbow, Mounted Exposed On Flat Wall	21.06				
			Installation	Quantity 1.00 x Unit Price 19.87 x Factor 1.0600 =	Total 21.06				
16131	2134		PCT	For Work In Restricted Working Space, Add	4.03				
			Installation	Quantity 1.00 x Unit Price 3.80 x Factor 1.0600 =	Total 4.03				
16131	2135		EA	RGS 1-1/2" 90 Degree Elbow, Mounted Exposed On Flat Wall	178.90				
			Installation	Quantity 7.00 x Unit Price 24.11 x Factor 1.0600 =	Total 178.90				
16131	2135		PCT	For Installation Above 14' (4.3 m), Add	16.18				
			Installation	Quantity 7.00 x Unit Price 2.18 x Factor 1.0600 =	Total 16.18				
16131	2138		EA	RGS 3" 90 Degree Elbow, Mounted Exposed On Flat Wall	280.77				
			Installation	Quantity 4.00 x Unit Price 66.22 x Factor 1.0600 =	Total 280.77				
16131	2138		PCT	For Work In Restricted Working Space, Add	34.68				
			Installation	Quantity 4.00 x Unit Price 8.18 x Factor 1.0600 =	Total 34.68				
16131	2152		EA	RGS 3/4" Plastic Bushing Set With Locknuts, Mounted Exposed On Flat Wall	10.28				
			Installation	Quantity 2.00 x Unit Price 4.85 x Factor 1.0600 =	Total 10.28				
16131	2152		PCT	For Work In Restricted Working Space, Add	2.78				
			Installation	Quantity 2.00 x Unit Price 1.31 x Factor 1.0600 =	Total 2.78				
16131	2153		EA	RGS 1" Plastic Bushing Set With Locknuts, Mounted Exposed On Flat Wall	33.50				
			Installation	Quantity 5.00 x Unit Price 6.32 x Factor 1.0600 =	Total 33.50				
16131	2153		PCT	For Work In Restricted Working Space, Add	8.75				
			Installation	Quantity 5.00 x Unit Price 1.65 x Factor 1.0600 =	Total 8.75				
16131	2154		EA	RGS 1-1/4" Plastic Bushing Set With Locknuts, Mounted Exposed On Flat Wall	8.28				
			Installation	Quantity 1.00 x Unit Price 7.81 x Factor 1.0600 =	Total 8.28				
16131	2154		PCT	For Work In Restricted Working Space, Add	2.12				
			Installation	Quantity 1.00 x Unit Price 2.00 x Factor 1.0600 =	Total 2.12				
16131	2155		EA	RGS 1-1/2" Plastic Bushing Set With Locknuts, Mounted Exposed On Flat Wall	18.89				
			Installation	Quantity 2.00 x Unit Price 8.91 x Factor 1.0600 =	Total 18.89				
16131	2155		PCT	For Work In Restricted Working Space, Add	4.60				
			Installation	Quantity 2.00 x Unit Price 2.17 x Factor 1.0600 =	Total 4.60				
16131	2158		EA	RGS 3" Plastic Bushing Set With Locknuts, Mounted Exposed On Flat Wall	58.15				
			Installation	Quantity 2.00 x Unit Price 27.43 x Factor 1.0600 =	Total 58.15				
16131	2158		PCT	For Work In Restricted Working Space, Add	12.72				
			Installation	Quantity 2.00 x Unit Price 6.00 x Factor 1.0600 =	Total 12.72				
16131	2193		EA	RGS 1" Steel Insulated Grounding Bushing Set With Locknuts, Mounted Exposed On Flat Wall	65.88				
			Installation	Quantity 5.00 x Unit Price 12.43 x Factor 1.0600 =	Total 65.88				

Sect.	Item	Mod.	UOM	Description	Line Total			
16131	2193		PCT	For Work In Restricted Working Space, Add				11.55
			Installation	Quantity 5.00 x Unit Price 2.18 x Factor 1.0600 =				Total 11.55
16131	2194		EA	RGS 1-1/4" Steel Insulated Grounding Bushing Set With Locknuts, Mounted Exposed On Flat Wall				16.61
			Installation	Quantity 1.00 x Unit Price 15.67 x Factor 1.0600 =				Total 16.61
16131	2194		PCT	For Work In Restricted Working Space, Add				2.85
			Installation	Quantity 1.00 x Unit Price 2.69 x Factor 1.0600 =				Total 2.85
16131	2198		EA	RGS 3" Steel Insulated Grounding Bushing Set With Locknuts, Mounted Exposed On Flat Wall				97.84
			Installation	Quantity 2.00 x Unit Price 46.15 x Factor 1.0600 =				Total 97.84
16131	2198		PCT	For Work In Restricted Working Space, Add				14.92
			Installation	Quantity 2.00 x Unit Price 7.04 x Factor 1.0600 =				Total 14.92
16131	2434		EA	RGS 1-1/4" Coupling				4.49
			Installation	Quantity 1.00 x Unit Price 4.24 x Factor 1.0600 =				Total 4.49
16131	2434		PCT	For Work In Restricted Working Space, Add				0.92
			Installation	Quantity 1.00 x Unit Price 0.87 x Factor 1.0600 =				Total 0.92
16131	2435		EA	RGS 1-1/2" Coupling				11.58
			Installation	Quantity 2.00 x Unit Price 5.46 x Factor 1.0600 =				Total 11.58
16131	2435		PCT	For Work In Restricted Working Space, Add				2.40
			Installation	Quantity 2.00 x Unit Price 1.13 x Factor 1.0600 =				Total 2.40
16131	2611		LF	1/2" EMT Conduit With Coupling, Mounted Exposed On Flat Wall				10.43
			Installation	Quantity 8.00 x Unit Price 1.23 x Factor 1.0600 =				Total 10.43
16131	2611		PCT	For Work In Restricted Working Space, Add				2.20
			Installation	Quantity 8.00 x Unit Price 0.26 x Factor 1.0600 =				Total 2.20
16131	2611		LF	1/2" EMT Conduit With Coupling, Mounted Exposed On Flat Wall				1,238.61
			Installation	Quantity 950.00 x Unit Price 1.23 x Factor 1.0600 =				Total 1,238.61
16131	2611		PCT	For Work In Restricted Working Space, Add				261.82
			Installation	Quantity 950.00 x Unit Price 0.26 x Factor 1.0600 =				Total 261.82
16131	2612		LF	3/4" EMT Conduit With Coupling, Mounted Exposed On Flat Wall				2,480.40
			Installation	Quantity 1,300.00 x Unit Price 1.80 x Factor 1.0600 =				Total 2,480.40
16131	2612		PCT	For Work In Restricted Working Space, Add				482.30
			Installation	Quantity 1,300.00 x Unit Price 0.35 x Factor 1.0600 =				Total 482.30
16131	2613		LF	1" EMT Conduit With Coupling, Mounted Exposed On Flat Wall				658.90
			Installation	Quantity 240.00 x Unit Price 2.59 x Factor 1.0600 =				Total 658.90
				Note: For HVAC.				
16131	2613		PCT	For Work In Restricted Working Space, Add				111.94
			Installation	Quantity 240.00 x Unit Price 0.44 x Factor 1.0600 =				Total 111.94

Sect.	Item	Mod.	UOM	Description	Line Total				
16131	2613		LF	1" EMT Conduit With Coupling, Mounted Exposed On Flat Wall	274.54				
				Installation	Quantity	Unit Price	Factor	Total	
					100.00	2.59	1.0600	274.54	
					x	x	=		
16131	2613		PCT	For Work In Restricted Working Space, Add	46.64				
				Installation	Quantity	Unit Price	Factor	Total	
					100.00	0.44	1.0600	46.64	
					x	x	=		
16131	2614		LF	1-1/4" EMT Conduit With Coupling, Mounted Exposed On Flat Wall	35.30				
				Installation	Quantity	Unit Price	Factor	Total	
					10.00	3.33	1.0600	35.30	
					x	x	=		
16131	2614		PCT	For Work In Restricted Working Space, Add	5.51				
				Installation	Quantity	Unit Price	Factor	Total	
					10.00	0.52	1.0600	5.51	
					x	x	=		
16131	2615		LF	1-1/2" EMT Conduit With Coupling, Mounted Exposed On Flat Wall	408.31				
				Installation	Quantity	Unit Price	Factor	Total	
					90.00	4.28	1.0600	408.31	
					x	x	=		
16131	2615		PCT	For Work In Restricted Working Space, Add	66.78				
				Installation	Quantity	Unit Price	Factor	Total	
					90.00	0.70	1.0600	66.78	
					x	x	=		
16131	2616		LF	2" EMT Conduit With Coupling, Mounted Exposed On Flat Wall	213.27				
				Installation	Quantity	Unit Price	Factor	Total	
					40.00	5.03	1.0600	213.27	
					x	x	=		
16131	2616		PCT	For Work In Restricted Working Space, Add	33.07				
				Installation	Quantity	Unit Price	Factor	Total	
					40.00	0.78	1.0600	33.07	
					x	x	=		
16131	2652		EA	3/4" EMT Set Screw Coupling, Mounted Exposed On Flat Wall	235.96				
				Installation	Quantity	Unit Price	Factor	Total	
					106.00	2.10	1.0600	235.96	
					x	x	=		
16131	2652		PCT	For Work In Restricted Working Space, Add	58.43				
				Installation	Quantity	Unit Price	Factor	Total	
					106.00	0.52	1.0600	58.43	
					x	x	=		
16131	2653		EA	1" EMT Set Screw Coupling, Mounted Exposed On Flat Wall	89.55				
				Installation	Quantity	Unit Price	Factor	Total	
					32.00	2.64	1.0600	89.55	
					x	x	=		
				Note: For HVAC					
16131	2653		PCT	For Work In Restricted Working Space, Add	20.69				
				Installation	Quantity	Unit Price	Factor	Total	
					32.00	0.61	1.0600	20.69	
					x	x	=		
16131	2653		EA	1" EMT Set Screw Coupling, Mounted Exposed On Flat Wall	27.98				
				Installation	Quantity	Unit Price	Factor	Total	
					10.00	2.64	1.0600	27.98	
					x	x	=		
16131	2653		PCT	For Work In Restricted Working Space, Add	6.47				
				Installation	Quantity	Unit Price	Factor	Total	
					10.00	0.61	1.0600	6.47	
					x	x	=		
16131	2654		EA	1-1/4" EMT Set Screw Coupling, Mounted Exposed On Flat Wall	7.82				
				Installation	Quantity	Unit Price	Factor	Total	
					2.00	3.69	1.0600	7.82	
					x	x	=		
16131	2654		PCT	For Work In Restricted Working Space, Add	1.65				
				Installation	Quantity	Unit Price	Factor	Total	
					2.00	0.78	1.0600	1.65	
					x	x	=		
16131	2655		EA	1-1/2" EMT Set Screw Coupling, Mounted Exposed On Flat Wall	20.14				
				Installation	Quantity	Unit Price	Factor	Total	
					4.00	4.75	1.0600	20.14	
					x	x	=		

Sect.	Item	Mod.	UOM	Description	Line Total			
16131	2655		PCT	For Work In Restricted Working Space, Add				4.07
				Installation	Quantity	Unit Price	Factor	Total
					4.00 x	0.96 x	1.0600 =	4.07
16131	2655		EA	1-1/2" EMT Set Screw Coupling, Mounted Exposed On Flat Wall				45.32
				Installation	Quantity	Unit Price	Factor	Total
					9.00 x	4.75 x	1.0600 =	45.32
16131	2655		PCT	For Work In Restricted Working Space, Add				9.16
				Installation	Quantity	Unit Price	Factor	Total
					9.00 x	0.96 x	1.0600 =	9.16
16131	2658		EA	3" EMT Set Screw Coupling, Mounted Exposed On Flat Wall				153.78
				Installation	Quantity	Unit Price	Factor	Total
					12.00 x	12.09 x	1.0600 =	153.78
16131	2658		PCT	For Work In Restricted Working Space, Add				25.44
				Installation	Quantity	Unit Price	Factor	Total
					12.00 x	2.00 x	1.0600 =	25.44
16131	2671		EA	1/2 EMT Compression Connector, Mounted Exposed On Flat Wall				6.08
				Installation	Quantity	Unit Price	Factor	Total
					2.00 x	2.87 x	1.0600 =	6.08
16131	2671		PCT	For Work In Restricted Working Space, Add				1.61
				Installation	Quantity	Unit Price	Factor	Total
					2.00 x	0.76 x	1.0600 =	1.61
16131	2672		EA	3/4" EMT Compression Connector, Mounted Exposed On Flat Wall				19.84
				Installation	Quantity	Unit Price	Factor	Total
					6.00 x	3.12 x	1.0600 =	19.84
16131	2672		PCT	For Work In Restricted Working Space, Add				4.96
				Installation	Quantity	Unit Price	Factor	Total
					6.00 x	0.78 x	1.0600 =	4.96
16131	2691		EA	1/2" EMT Box Connector With Set Screw				219.53
				Installation	Quantity	Unit Price	Factor	Total
					95.00 x	2.18 x	1.0600 =	219.53
16131	2691		PCT	For Work In Restricted Working Space, Add				58.41
				Installation	Quantity	Unit Price	Factor	Total
					95.00 x	0.58 x	1.0600 =	58.41
16131	2692		EA	3/4" EMT Box Connector With Set Screw				106.85
				Installation	Quantity	Unit Price	Factor	Total
					40.00 x	2.52 x	1.0600 =	106.85
16131	2692		PCT	For Work In Restricted Working Space, Add				26.71
				Installation	Quantity	Unit Price	Factor	Total
					40.00 x	0.63 x	1.0600 =	26.71
16131	2693		EA	1" EMT Box Connector With Set Screw				33.71
				Installation	Quantity	Unit Price	Factor	Total
					10.00 x	3.18 x	1.0600 =	33.71
16131	2693		PCT	For Work In Restricted Working Space, Add				8.27
				Installation	Quantity	Unit Price	Factor	Total
					10.00 x	0.78 x	1.0600 =	8.27
16131	2693		EA	1" EMT Box Connector With Set Screw				26.97
				Installation	Quantity	Unit Price	Factor	Total
					8.00 x	3.18 x	1.0600 =	26.97
				Note; For HVAC.				
16131	2693		PCT	For Work In Restricted Working Space, Add				6.61
				Installation	Quantity	Unit Price	Factor	Total
					8.00 x	0.78 x	1.0600 =	6.61

Sect.	Item	Mod.	UOM	Description	Line Total				
16131	2694		EA	1-1/4" EMT Box Connector With Set Screw					9.09
				Installation	Quantity	Unit Price	Factor	Total	
					2.00 x	4.29 x	1.0600 =	9.09	
16131	2694		PCT	For Work In Restricted Working Space, Add					2.10
				Installation	Quantity	Unit Price	Factor	Total	
					2.00 x	0.99 x	1.0600 =	2.10	
16131	2718		EA	3" EMT Insulated Box Connector With Set Screw					413.48
				Installation	Quantity	Unit Price	Factor	Total	
					8.00 x	48.76 x	1.0600 =	413.48	
16131	2718		PCT	For Work In Restricted Working Space, Add					21.79
				Installation	Quantity	Unit Price	Factor	Total	
					8.00 x	2.57 x	1.0600 =	21.79	
16131	2731		EA	1/2" EMT Box Connector, Compression					134.13
				Installation	Quantity	Unit Price	Factor	Total	
					38.00 x	3.33 x	1.0600 =	134.13	
16131	2731		PCT	For Work In Restricted Working Space, Add					23.36
				Installation	Quantity	Unit Price	Factor	Total	
					38.00 x	0.58 x	1.0600 =	23.36	
16131	4512		LF	3/4" PVC Schedule 80 Conduit With Coupling, Direct Burial In Concrete Slab Or Duct Bank					83.74
				Installation	Quantity	Unit Price	Factor	Total	
					50.00 x	1.58 x	1.0600 =	83.74	
16131	8112		LF	1/2" Liquid Tight Flex Conduit					19.59
				Installation	Quantity	Unit Price	Factor	Total	
					12.00 x	1.54 x	1.0600 =	19.59	
16131	8112		PCT	For Work In Restricted Working Space, Add					3.31
				Installation	Quantity	Unit Price	Factor	Total	
					12.00 x	0.26 x	1.0600 =	3.31	
16131	8113		LF	3/4" Liquid Tight Flex Conduit					26.20
				Installation	Quantity	Unit Price	Factor	Total	
					12.00 x	2.06 x	1.0600 =	26.20	
16131	8113		PCT	For Work In Restricted Working Space, Add					4.45
				Installation	Quantity	Unit Price	Factor	Total	
					12.00 x	0.35 x	1.0600 =	4.45	
16131	8132		EA	1/2" Straight Connector					8.40
				Installation	Quantity	Unit Price	Factor	Total	
					2.00 x	3.96 x	1.0600 =	8.40	
16131	8132		PCT	For Work In Restricted Working Space, Add					1.48
				Installation	Quantity	Unit Price	Factor	Total	
					2.00 x	0.70 x	1.0600 =	1.48	
16131	8133		EA	3/4" Straight Connector					10.54
				Installation	Quantity	Unit Price	Factor	Total	
					2.00 x	4.97 x	1.0600 =	10.54	
16131	8133		PCT	For Work In Restricted Working Space, Add					1.65
				Installation	Quantity	Unit Price	Factor	Total	
					2.00 x	0.78 x	1.0600 =	1.65	
16131	8152		EA	1/2" 90 Degree Angle Connector					13.33
				Installation	Quantity	Unit Price	Factor	Total	
					2.00 x	6.29 x	1.0600 =	13.33	
16131	8152		PCT	For Work In Restricted Working Space, Add					2.04
				Installation	Quantity	Unit Price	Factor	Total	
					2.00 x	0.96 x	1.0600 =	2.04	

Sect.	Item	Mod.	UOM	Description	Line Total				
16131	8153		EA	3/4" 90 Degree Angle Connector					15.29
				Installation	Quantity	Unit Price	Factor	Total	
					2.00 x	7.21 x	1.0600 =	15.29	
16131	8153		PCT	For Work In Restricted Working Space, Add					2.20
				Installation	Quantity	Unit Price	Factor	Total	
					2.00 x	1.04 x	1.0600 =	2.20	
16131	8212		LF	1/2" Flexible Metallic Conduit					16.41
				Installation	Quantity	Unit Price	Factor	Total	
					12.00 x	1.29 x	1.0600 =	16.41	
				Note: For HVAC					
16131	8212		PCT	For Work In Restricted Working Space, Add					3.69
				Installation	Quantity	Unit Price	Factor	Total	
					12.00 x	0.29 x	1.0600 =	3.69	
16131	8212		LF	1/2" Flexible Metallic Conduit					103.92
				Installation	Quantity	Unit Price	Factor	Total	
					76.00 x	1.29 x	1.0600 =	103.92	
16131	8212		PCT	For Work In Restricted Working Space, Add					23.36
				Installation	Quantity	Unit Price	Factor	Total	
					76.00 x	0.29 x	1.0600 =	23.36	
16131	8215		LF	1-1/4" Flexible Metallic Conduit					14.50
				Installation	Quantity	Unit Price	Factor	Total	
					6.00 x	2.28 x	1.0600 =	14.50	
16131	8215		PCT	For Work In Restricted Working Space, Add					2.23
				Installation	Quantity	Unit Price	Factor	Total	
					6.00 x	0.35 x	1.0600 =	2.23	
16131	8216		LF	1-1/2" Flexible Metallic Conduit					40.32
				Installation	Quantity	Unit Price	Factor	Total	
					12.00 x	3.17 x	1.0600 =	40.32	
16131	8216		PCT	For Work In Restricted Working Space, Add					4.71
				Installation	Quantity	Unit Price	Factor	Total	
					12.00 x	0.37 x	1.0600 =	4.71	
16131	8232		EA	1/2" Flexible Straight Connectors, Plain					20.85
				Installation	Quantity	Unit Price	Factor	Total	
					7.00 x	2.81 x	1.0600 =	20.85	
16131	8232		PCT	For Work In Restricted Working Space, Add					3.56
				Installation	Quantity	Unit Price	Factor	Total	
					7.00 x	0.48 x	1.0600 =	3.56	
16131	8232		EA	1/2" Flexible Straight Connectors, Plain					23.83
				Installation	Quantity	Unit Price	Factor	Total	
					8.00 x	2.81 x	1.0600 =	23.83	
				Note: For HVAC					
16131	8232		PCT	For Work In Restricted Working Space, Add					4.07
				Installation	Quantity	Unit Price	Factor	Total	
					8.00 x	0.48 x	1.0600 =	4.07	
16131	8236		EA	1-1/2" Flexible Straight Connectors, Plain					21.94
				Installation	Quantity	Unit Price	Factor	Total	
					2.00 x	10.35 x	1.0600 =	21.94	
16131	8236		PCT	For Work In Restricted Working Space, Add					2.52
				Installation	Quantity	Unit Price	Factor	Total	
					2.00 x	1.19 x	1.0600 =	2.52	
16131	8274		EA	1" Flexible 90 Degree Connector, Plain					8.76
				Installation	Quantity	Unit Price	Factor	Total	
					1.00 x	8.26 x	1.0600 =	8.76	

Sect.	Item	Mod.	UOM	Description	Line Total			
16131	8274		PCT	For Work In Restricted Working Space, Add				1.01
			Installation	Quantity 1.00 x Unit Price 0.95 x Factor 1.0600 =				Total 1.01
16131	8275		EA	1-1/4" Flexible 90 Degree Connector, Plain				14.25
			Installation	Quantity 1.00 x Unit Price 13.44 x Factor 1.0600 =				Total 14.25
16131	8275		PCT	For Work In Restricted Working Space, Add				1.21
			Installation	Quantity 1.00 x Unit Price 1.14 x Factor 1.0600 =				Total 1.21
16131	8276		EA	1-1/2" Flexible 90 Degree Connector, Plain				45.77
			Installation	Quantity 2.00 x Unit Price 21.59 x Factor 1.0600 =				Total 45.77
16131	8276		PCT	For Work In Restricted Working Space, Add				3.03
			Installation	Quantity 2.00 x Unit Price 1.43 x Factor 1.0600 =				Total 3.03
16131	8293		EA	3/4" Flexible 90 Degree Connector, Insulated				20.54
			Installation	Quantity 3.00 x Unit Price 6.46 x Factor 1.0600 =				Total 20.54
16131	8293		PCT	For Work In Restricted Working Space, Add				2.42
			Installation	Quantity 3.00 x Unit Price 0.76 x Factor 1.0600 =				Total 2.42
16134	1101		EA	4" Square Steel Box X 1-1/2" Deep				307.19
			Installation	Quantity 35.00 x Unit Price 8.28 x Factor 1.0600 =				Total 307.19
16134	1102		EA	4" Square Steel Box X 2-1/8" Deep				60.74
			Installation	Quantity 6.00 x Unit Price 9.55 x Factor 1.0600 =				Total 60.74
16134	1104		EA	4" Square Steel Blank Cover				112.95
			Installation	Quantity 36.00 x Unit Price 2.96 x Factor 1.0600 =				Total 112.95
16134	6216		EA	1 Gang, Weatherproof, 4-1/2" x 2-5/8" Box, Concealed With Cover, 3/4" Knock Out, Solid Outlet Box				708.93
			Installation	Quantity 22.00 x Unit Price 30.40 x Factor 1.0600 =				Total 708.93
16134	7322		EA	24"x24"x10" Cast Iron Pull Box With Cover				518.95
			Installation	Quantity 1.00 x Unit Price 489.58 x Factor 1.0600 =				Total 518.95
16135	1108		EA	8"x6"x6" NEMA 1 Box, Hinged Cover Included				649.23
			Installation	Quantity 24.00 x Unit Price 25.52 x Factor 1.0600 =				Total 649.23
16135	1108		EA	8"x6"x6" NEMA 1 Box, Hinged Cover Included				81.15
			Installation	Quantity 3.00 x Unit Price 25.52 x Factor 1.0600 =				Total 81.15
				Note: For HVAC				
16140	1284		EA	20 Amp, 120 V, GFI, Weatherproof Duplex Receptacle				66.38
			Installation	Quantity 2.00 x Unit Price 31.31 x Factor 1.0600 =				Total 66.38
16170	2421		EA	30 A Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 V, 3 Phase				364.22
			Installation	Quantity 2.00 x Unit Price 171.80 x Factor 1.0600 =				Total 364.22
16190	1111		EA	One Hole Steel Conduit Strap, 1/2"				99.96
			Installation	Quantity 230.00 x Unit Price 0.41 x Factor 1.0600 =				Total 99.96

Sect.	Item	Mod.	UOM	Description	Line Total				
16190	1111		PCT	For Work In Restricted Working Space, Add					24.38
			Installation	Quantity	Unit Price	Factor		Total	
				230.00 x	0.10 x	1.0600 =		24.38	
16190	1112		EA	One Hole Steel Conduit Strap, 3/4"					118.51
			Installation	Quantity	Unit Price	Factor		Total	
				260.00 x	0.43 x	1.0600 =		118.51	
16190	1112		PCT	For Work In Restricted Working Space, Add					27.56
			Installation	Quantity	Unit Price	Factor		Total	
				260.00 x	0.10 x	1.0600 =		27.56	
16190	1113		EA	One Hole Steel Conduit Strap, 1"					11.45
			Installation	Quantity	Unit Price	Factor		Total	
				20.00 x	0.54 x	1.0600 =		11.45	
16190	1113		PCT	For Work In Restricted Working Space, Add					2.12
			Installation	Quantity	Unit Price	Factor		Total	
				20.00 x	0.10 x	1.0600 =		2.12	
16190	1114		EA	One Hole Steel Conduit Strap, 1-1/4"					1.31
			Installation	Quantity	Unit Price	Factor		Total	
				2.00 x	0.62 x	1.0600 =		1.31	
16190	1114		PCT	For Work In Restricted Working Space, Add					0.21
			Installation	Quantity	Unit Price	Factor		Total	
				2.00 x	0.10 x	1.0600 =		0.21	
16190	1215		EA	One Hole Iron Conduit Strap, 1-1/2"					20.80
			Installation	Quantity	Unit Price	Factor		Total	
				18.00 x	1.09 x	1.0600 =		20.80	
16190	1215		PCT	For Work In Restricted Working Space, Add					2.67
			Installation	Quantity	Unit Price	Factor		Total	
				18.00 x	0.14 x	1.0600 =		2.67	
16190	2111		EA	Rigid Steel Conduit Clamps, P1111, 1/2"					24.68
			Installation	Quantity	Unit Price	Factor		Total	
				12.00 x	1.94 x	1.0600 =		24.68	
16190	2112		EA	Rigid Steel Conduit Clamps, P1112, 3/4"					58.47
			Installation	Quantity	Unit Price	Factor		Total	
				28.00 x	1.97 x	1.0600 =		58.47	
16190	2615		EA	2-BR-B, Bridle Ring, 1/2"					11.45
			Installation	Quantity	Unit Price	Factor		Total	
				20.00 x	0.54 x	1.0600 =		11.45	
16190	2616		EA	2-BR-12, Bridle Ring, 3/4"					58.30
			Installation	Quantity	Unit Price	Factor		Total	
				100.00 x	0.55 x	1.0600 =		58.30	
16190	2617		EA	2-BR-20, Bridle Ring, 1-1/4"					3.69
			Installation	Quantity	Unit Price	Factor		Total	
				6.00 x	0.58 x	1.0600 =		3.69	
16190	2734		C	14-1/2" Nylon Cable Ties, 50# Tensile Strength					9.28
			Installation	Quantity	Unit Price	Factor		Total	
				1.00 x	8.75 x	1.0600 =		9.28	
16190	3501		EA	5/16" x 1/2" To 1" Hollow Wall Screw Anchors					220.48
			Installation	Quantity	Unit Price	Factor		Total	
				400.00 x	0.52 x	1.0600 =		220.48	
16190	4701		EA	1/4" Flush Self Drilling Anchor 1-1/4" Min Depth In Concrete					1,359.45
			Installation	Quantity	Unit Price	Factor		Total	
				250.00 x	5.13 x	1.0600 =		1,359.45	

Sect.	Item	Mod.	UOM	Description	Line Total			
16190	4701		PCT	For Work In Restricted Working Space, Add	355.10			
					Quantity	Unit Price	Factor	Total
Installation					250.00	1.34	x	355.10
16330	2102		EA	22.5 KVA, 480 V - 208/120 V, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 A Breakers	3,277.34			
					Quantity	Unit Price	Factor	Total
Installation					1.00	3,091.83	x	3,277.34
16453	1003		EA	3/4", Ground Rod Clamp	356.80			
					Quantity	Unit Price	Factor	Total
Installation					44.00	7.65	x	356.80
16470	7142		EA	50-1600 A DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	18,716.29			
					Quantity	Unit Price	Factor	Total
Installation					2.00	8,828.44	x	18,716.29
16471	1415		EA	600 A - 42 Circuit Capacity, 277/480 V, 4 Wire, 3 Phase Panelboard, Main Lugs, Unassembled, 14000 Amp Interrupting Capacity	1,178.48			
					Quantity	Unit Price	Factor	Total
Installation					1.00	1,111.77	x	1,178.48
16471	4621		EA	2 Pole, 240/480 V, 15-60 A, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	398.48			
					Quantity	Unit Price	Factor	Total
Installation					2.00	187.96	x	398.48
16471	4821		EA	2 Pole, 240 Volt, 15-60 A, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	305.35			
					Quantity	Unit Price	Factor	Total
Installation					1.00	288.07	x	305.35
16471	4821		EA	2 Pole, 240 Volt, 15-60 A, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	305.35			
					Quantity	Unit Price	Factor	Total
Installation					1.00	288.07	x	305.35
16471	4831		EA	3 Pole, 240 Volt, 15-60 A, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	5,442.25			
					Quantity	Unit Price	Factor	Total
Installation					10.00	513.42	x	5,442.25
16471	4832		EA	3 Pole, 240 Volt, 70-100 A, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	1,526.36			
					Quantity	Unit Price	Factor	Total
Installation					2.00	719.98	x	1,526.36
16501	4002		EA	Removal And Disposal Of Hazardous (Fluorescent) Lamps, Includes Appropriate Containment, Disposal or Recycling, Fees, etc.	97.18			
					Quantity	Unit Price	Factor	Total
Installation					48.00	1.91	x	97.18
16502	1361		EA	1 Lamp 4' T-8 32 Watt 277 V Instant Start Ballast	2,225.49			
					Quantity	Unit Price	Factor	Total
Installation					48.00	43.74	x	2,225.49
16502	6202		EA	Fixture Whip For Lay-In Lights With 4 - #12 THHN Copper Conductors	283.91			
					Quantity	Unit Price	Factor	Total
Installation					16.00	16.74	x	283.91
16510	1342		EA	2' x 4' Lay-In/Troffer Prismatic Lens Fluorescent Fixture, (3T8) Note: With electronic ballast.	1,629.69			
					Quantity	Unit Price	Factor	Total
Installation					16.00	96.09	x	1,629.69

Subtotal for 16 \$67,805.88

Section 18

18000	2013		ea	Dumpster	3,268.32			
					Quantity	Unit Price	Factor	Total
NPP Task Installation					4.00	817.08	x	3,268.32

Subtotal for 18 \$3,268.32

Sect.	Item	Mod.	UOM	Description	Line Total
Contractor Proposal Review Total					\$406,057.99

This work order proposal total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding of the line totals and sub-totals.

DEC-14-2006 14:56

PBC FACILITIES MGMT

561 355 2895

P.01/01

DEC-12-2006 14:52

PBC FACILITIES MGMT

561 355 2895

P.01

REQUEST DATE: 7 December 2006

REQUESTED BY: Andy Gamble *AG* PHONE: 233-2058

PROJECT TITLE: Judicial Center 4th flr. IT HVAC
PROJECT NO.: 06452. *12/11/06*

LOCATION: Courthouse at J.C. *205 N. DIXIE HWY.* 565 ~~Banyan~~ Blvd. West Palm Beach
LOCATION DESCRIPTION: Main Court House

ORIGINAL CONTRACT/ANNUAL AMOUNT: BCC RESOLUTION#:

CSA/LOA CHANGE ORDER AMOUNT:
CSA/LOA CHANGE ORDER NUMBER:

CONTRACTOR/CONSULTANT NAME: HA Contracting

PROVIDE A BRIEF STATEMENT OF THE SCOPE OF SERVICES TO BE PROVIDED
BY THE CONSULTANT/CONTRACTOR: To furnish design, labor, and material to
expand the 4.2500 area IT room, replace HVAC equipment and install a new
electrical service.

WILL THIS AMENDMENT CHANGE THE ESTIMATED COST OF THE PROJECT?
IF YES, PROVIDE ESTIMATES OF THE NEW COSTS:

CONSTRUCTION	<u>\$375,691.46</u>
ARCHITECTURE/ENGINEER	<u>INC.</u>
*STAFF COSTS	<u>\$11,270.07</u>
OTHER	<u>\$5,635.30</u>
CONTINGENCY	<u>\$37,569.15</u>
TOTAL	<u>\$430,165.98</u>

By signing this BAS your department agrees to these staff costs and your account will be
charged upon receipt of this BAS by FD&O. Unless there is a change in the scope of work,
no additional staff charges will be billed.

BUDGET ACCOUNT NUMBERS (IDENTIFY ALL SOURCES) FUNDING SOURCE (CHECK ALL THAT APPLY)

FUND: 1100 AGENCY: 200 ORG: 0000 OBJ: 13171 SUBOBJ:
☐ AD VALOREM ☒ OTHER ☐ FEDERAL/DAVIS BACON

~~3804-111-15589-02-1907~~
SUPPLEMENTAL AGREEMENT TO BE APPROVED BY: Department Director (WO<\$50,000)
ANTICIPATED DATE OF APPROVAL: *12/11/06*
BAS APPROVED BY: *[Signature]* DATE: *12/11/06*
ENCUMBRANCE NUMBER: *3804-111-15589-02-1907*

ATTACHMENT # 4

TOTAL P.01

Budget Availability Statement

REQUEST DATE: January 08, 2007

REQUESTED BY: Andy Gamble

PHONE#: (561) 233-2058

PROJECT TITLE: Judicial Center - IT A/C replacement

Project No: 06452

LOCATION #: 603

LOCATION DESCRIPTION: Judicial Center

ORIGINAL CONTRACT/ANNUAL AMOUNT:

BCC RESOLUTION # / DATE:

R-2005-0540 dated 03/15/2005

CSA/LOA/CHANGE ORDER AMOUNT:

CSA/LOA/CHANGE ORDER NUMBER: Work Order #: 07-038

CONTRACTOR/CONSULTANT NAME: HA Contracting Corp.

PROVIDE A BRIEF STATEMENT OF THE SCOPE OF SERVICES TO BE PROVIDED BY THE CONSULTANT/CONTRACTOR:

Remove two interior walls to increase the size of the work space Provide replacement of the existing Liebert A/C system for the IT server room on the 4th floor to handle additional servers and expansion of the room.

WILL THIS AMENDMENT CHANGE THE ESTIMATED COST OF THE PROJECT? Yes

IF YES, PROVIDE ESTIMATES OF THE NEW COSTS:

CONSTRUCTION	406,057.99
ARCHITECT/ENGINEER	6,090.87 1.5% WORK ORDER AMOUNT FOR TGG FEE
*STAFF COSTS	8,000.00
EQUIPMENT/OTHER	0.00
CONTINGENCY	9,850-

TOTAL:

429,998.86

* By signing this BAS your department agrees to these staff costs and your account will be charged upon receipt of this BAS by FD&O. Unless there is a change in the scope of work, no additional staff charges will be billed.

BUDGET ACCOUNT NUMBERS (IDENTIFY ALL SOURCES): FUNDING SOURCE (CHECK ALL THAT APPLY)

3804-411-B389-02-4907

☐ FEDERAL/DAVIS BACON

☐ AD VALOREM

☒ OTHER (CLERK)

SUPPLEMENTAL AGREEMENT TO BE APPROVED BY:

BCC (WO > \$100,000)

ANTICIPATED DATE OF APPROVAL: ASAP

BAS APPROVED BY:

See BAS attached

DATE:

1/8/07

ENCUMBRANCE NUMBER:

07 - 0476

BOARD OF COUNTY COMMISSIONERS
PALM BEACH COUNTY, FLORIDA

Page 1 of 1 pages

BUDGET TRANSFER
FUND 0001 - GENERAL FUND

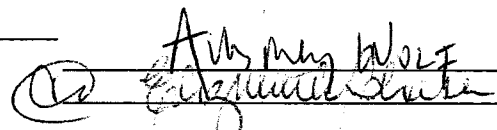
Use this form to provide budget for items not anticipated in the budget.

ACCT.NUMBER	ACCOUNT NAME	ORIGINAL BUDGET	CURRENT BUDGET	INCREASE	DECREASE	ADJUSTED BUDGET	EXPENDED/ ENCUMBERED AS OF 01/22/2007	REMAINING BALANCE
<u>GENERAL FUND - RESERVES</u>								
820 9900	9901 - Contingency Reserves	20,000,000	19,598,192		430,000	19,168,192	0	19,168,192
<u>PUBLIC BUILDING IMPROVEMENT FUND</u>								
820 9100	9204 - Tran to Public Building Fund	45,200,000	45,200,000	430,000	0	45,630,000	15,066,668	30,563,332
TOTAL				430,000	430,000			

FACILITIES DEVELOPMENT & OPERATIONS

INITIATING DEPARTMENT/DIVISION
Administration/Budget Department Approval

Signatures



Date

1/24/07
1/30/07

By Board of County Commissioners
At Meeting of February 6, 2007

Deputy Clerk to the
Board of County Commissioners

ATTACHMENT # 5

07-0477

BOARD OF COUNTY COMMISSIONERS
PALM BEACH COUNTY, FLORIDA

Page 1 of 1 pages

BUDGET AMENDMENT
FUND 3804 - Public Building Improvement Fund

Use this form to provide budget for items not anticipated in the budget.

ACCT.NUMBER	ACCOUNT NAME	ORIGINAL BUDGET	CURRENT BUDGET	INCREASE	DECREASE	ADJUSTED BUDGET	EXPENDED/ ENCUMBERED AS OF 1/22/2007	REMAINING BALANCE
<u>REVENUE</u>								
<u>PUBLIC BUILDING IMPROVEMENT</u>								
800 9100	8000 - Trf from General Fund	45,200,000	45,200,000	430,000	0	45,630,000		
TOTAL RECEIPTS & BALANCES		113,580,320	110,505,540	430,000	0	110,935,540		
<u>EXPENDITURES</u>								
<u>Jud Cntr 4th fl Renovations</u>								
411 B416	4907 Building Imp Non-Capital	0	0	430,000	0	430,000		430,000
TOTAL APPROPRIATIONS AND EXPENDITURES		113,580,320	110,505,540	430,000	0	110,935,540		

ATTACHMENT # 6

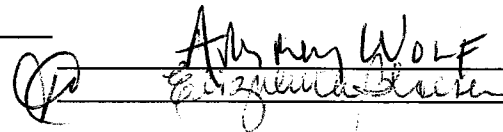
Facilities Development & Operations

INITIATING DEPARTMENT/DIVISION

Administration/Budget Department Approval

OFMB Department - Posted

Signatures



Date

1/24/07
1/30/07

By Board of County Commissioners

At Meeting of February 6, 2007

Deputy Clerk to the
Board of County Commissioners