

PALM BEACH COUNTY  
BOARD OF COUNTY COMMISSIONERS  
AGENDA ITEM SUMMARY

3H-8

Meeting Date: August 16, 2011

☒ Consent  
☐ Ordinance

☐ Regular  
☐ Public Hearing

Department: Facilities Development & Operations

**I. EXECUTIVE BRIEF**

**Motion and Title:** Staff recommends motion to approve: Work Order 11-021 with Farmer & Irwin Corporation (R2010-0066) in the amount of \$337,990 for the replacement of two (2) rooftop chilled water air handlers at the Main Detention Center (MDC).

**Summary:** The scope of this contract consists of the installation of two (2) new 25 ton rooftop air handler units, with electronic controls, new isolation valves, and insulation of exterior ductwork. The existing equipment is more than 20 years old and at the end of its useful life. The project is budgeted as part of the five (5) year Countywide Repair, Replacement, and Renovation program. This work was competitively bid amongst the pool of annual Heating, Ventilation, Air Conditioning (HVAC) Contractors with Farmer & Irwin Corp. submitting the lowest, responsive, responsible bid. The Small Business Enterprise (SBE) participation for this work order is 0%. When participation for this work order is added to the total participation in the HVAC Annual Contract, the resulting value is 55%. The total construction duration for this project is 180 days. Farmer & Irwin Corp. is a Palm Beach County company. (Capital Improvements Division) Countywide/District 2 (JM)

**Background and Justification:** The existing equipment reached the end of its useful life and it has become increasingly difficult and expensive to maintain as parts are not readily available. The new equipment will increase efficiency, ease maintenance, and reduce energy consumption. This is a scheduled maintenance replacement as part of the approved repair and replacement budget. Bids were opened on May 12<sup>th</sup>, 2011, and Farmer & Irwin Corp. submitted the lowest, responsible and responsive bid.

**Attachments:**

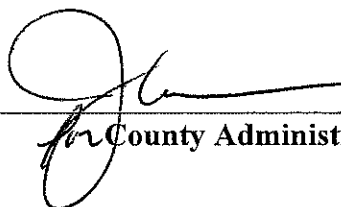
1. Location Map
2. Work Order
3. Budget Availability Statement
4. Bid Tab

Recommended by: \_\_\_\_\_

  
Department Director

8/2/11  
Date

Approved by: \_\_\_\_\_

  
County Administrator

8/12/11  
Date

## II. FISCAL IMPACT ANALYSIS

### A. Five Year Summary of Fiscal Impact:

Fiscal Year	2011	2012	2013	2014	2015
Capital Expenditures	\$371,789.00	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	0
In-Kind Match (County)	0	0	0	0	0
NET FISCAL IMPACT	\$371,789.00	0	0	0	0
# Additional FTE Positions (Cumulative)	0	0	0	0	0

Is Item Included in Current Budget? Yes ☒ No ☐

Budget Account No:  
3804-411-B511-4907 (Ad Valorem) \$371,789.00

Construction \$37,990  
Contingency \$3799  
Project. \$371,789

Reporting Category \_\_\_\_\_

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

This contract includes language applying to the requirements of the Inspector General (IG) Ordinance.

C. Departmental Fiscal Review:                      8.3-11

## III. REVIEW COMMENTS:

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

                     8/9/11                      8/10/11  
OFMB Contract Administrator

### B. Legal Sufficiency:

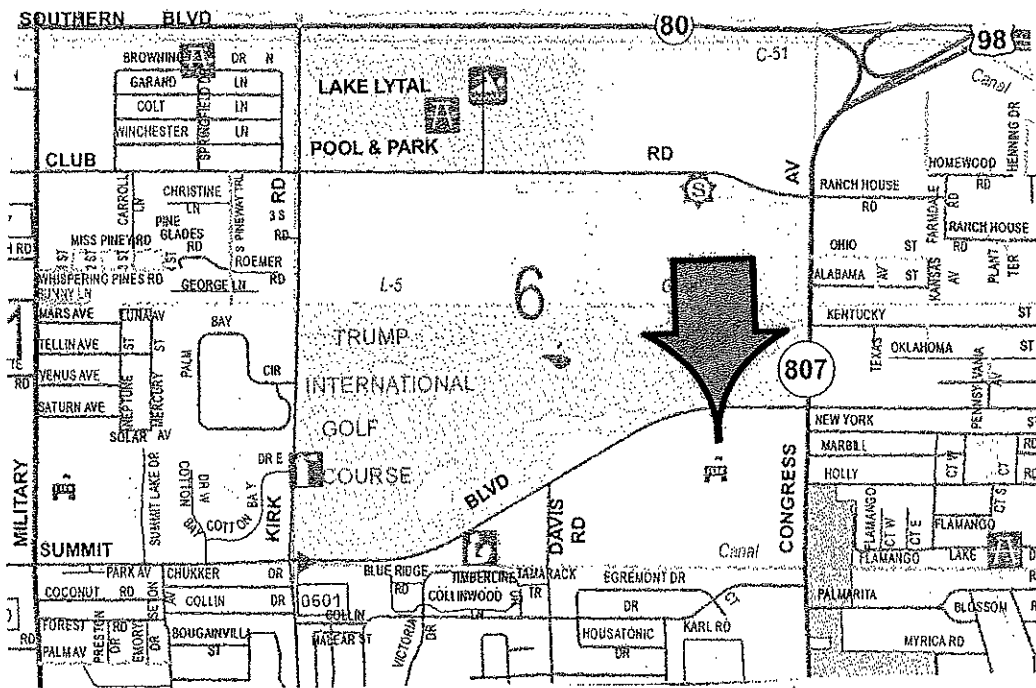
                     8/4/11  
Assistant County Attorney

### C. Other Department Review:

\_\_\_\_\_  
Department Director

This summary is not to be used as a basis for payment.

**Palm Beach County Sheriff's Office**  
3228 Gun Club Road  
West Palm Beach, FL 33406



WORK ORDER  
Work Order #11-021  
**Annual Contract: HVAC**  
R-2010-0066

To: **Farmer & Irwin Corporation**  
3300 Avenue K  
Riviera Beach, FL 33404  
Attention: Mr. Steven R. Irwin

Project Location: 3228 Gun Club Road, WPB (4166356)

Project # 11465

Title: Main Detention Center (CJC) Bldg B – replace two a/c units

Scope of Work: Remove and properly dispose of the existing air handling units and replace with two (2) new *Trane* or an approved equal, per the specifications provided by Facilities Services.

Amount of W.O.: \$337,990.00


Requisition Date: 5/19/11

Account Number: 3804-411-B511-4907 (FDO-11HVAC)

Vendor Code: VC0000005210

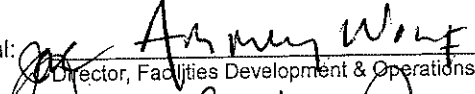
District: 2

PBC Representative:

  
Procurement & Project Implementation Group

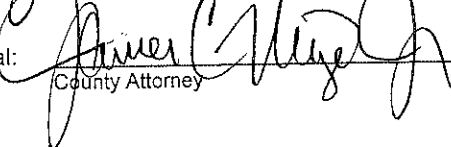
7-18-11  
Date

Approval:

  
Director, Facilities Development & Operations

8/3/11  
Date

Approval:

  
County Attorney


8/11/11  
Date

Approval:

Chair, Board of County Commissioners

Date

Acknowledgment:

  
Farmer & Irwin Corporation

STEVEN R. IRWIN  
PRESIDENT

7/5/11  
Date

SBE % Participation-to-Date \_\_\_\_\_ %

SBE % Participation this W.O. 0 %

\*Specific goals for this contract are 15%.

COPIES TO: ☐ Contract Development & Control .... Lisa Juliano  
☐ Finance ..... Brad Robinson  
☐ Fixed Assets ..... Angelo DiPierro  
☐ FD&O Fiscal ..... Larry Schaner

**Project#11465**  
**B-BLDG AHU-B2A and B1C REPLACEMENT**

**LOCATION**      3228 Gun Club Rd.  
B-Building Roof  
West Palm Beach, Florida 33406

**SCOPE OF WORK** The successful Bidder shall remove and properly dispose of the existing air handling units-AHU-B2A and B1C and replace with two (2) new **Trane Custom Climate Changer-Outdoor Units** or an approved equal unit equipped with one (1) Variable speed starter. All pneumatic controls are to be replaced with **Siemens Technologies** DDC controls. The units shall be equipped with one (1) stand alone control panel for each unit. The Successful Bidder shall provide all new sensors and devices to include all related zone sensors.

**SUCCESSFUL BIDDER'S RESPONSIBILITIES**

1. Scheduling shall be coordinated and set by the County Representative.
2. The Successful Bidder shall provide submittals to the County Representative to be approved before the start of the project.
3. The Successful Bidder shall have both units up and running within twelve (12) calendar days. Work to be performed from 7:00 am to 7:00 pm Monday through Friday, to minimize the disruption of normal operations.
4. The Successful Bidder shall provide labor, materials, fees, insurance, engineering and permits.
5. The Successful Bidder shall provide proper demolition and disposal of old equipment.
6. The Successful Bidder shall furnish a closeout package (signed off permit, CO, invoice, warranties and all other related paperwork) prior to receiving final payment.
7. The Successful Bidder shall provide written confirmation, that their workmanship is warranted for two (2) years.)
8. The Successful Bidder shall meet with the County's Representative preceding commencement, to note existing conditions, work procedures and to review all work to be accomplished to elude misunderstandings.
9. The piping and equipment shall be coordinated with Manufacturer's Representative.
10. Project shall be completed within one hundred eighty (180) days of awarded contract.
11. Successful Bidder shall contact Project Manager, Danny Racette (561-233-2057) within seventy-two (72) hours of bid award to establish scheduling, permitting, etc. required for project implementation
12. The Successful Bidder shall remove and reinstall all conduit and wiring for the smoke detectors and fire alarm panel.
13. Thermometers shall be installed on supply and return cold and hot water lines. Trerice model # CX9-3-403-02 or approved equal.

14. Pressure gauges shall be installed on supply and return cold and hot water lines. Ashcroft model #100-1008-S-L-02L-200# or approved equal.
15. A bleed valve shall be installed on the cold and hot water lines.
16. A new inline strainer shall be installed on the supply cold and hot water lines, Mueller or approved equal.
17. The Successful Bidder shall provide all crane services.
18. The Successful Bidder shall install new ball valves on the supply and return cold and hot water lines for both units.
19. All existing roof top (exterior) duct work shall have old insulation removed and replaced with a minimum of 1" close cell foam insulation installed to the exterior and covered with Alumaguard 60 or approved equal.
20. All openings shall be secured and weatherproofed prior to Contractor leaving the facility each day.
21. Contractor shall ensure that the roofing surface, or any other areas of the project, will not be damaged in any way. Any damage done will be the responsibility of the Contractor.
22. After removing the two (2) units being replaced, the Contractor shall restore water circulation to the three adjacent AHU's, prior to leaving for the day.

### **SPECIFICATIONS AHU-B2A and AHU-B1C**

1. Air flow 10,210 CFM for AHU-B2A. Air flow 6,570 CFM for AHU- B1C
2. Unit air leakage shall not exceed 0.5% of design cfm at 12.0" w.g. in all positive-pressure sections and -12.0" w.g. in all negative-pressure sections.
3. Casing deflection shall not exceed L/250 at +12.0" w.g. in all positive-pressure Sections and - 12.0 w.g. in all negative-pressure sections, where L is defined as the panel span.
4. Under scheduled supply air temperature and design conditions on the exterior of the unit of 83° F dry bulb and 78°F wet bulb, condensation shall not form on the casing exterior. The Manufacturer shall provide tested casing thermal performance for the scheduled supply air temperature plotted on the psychrometric chart.
5. Outdoor units shall be approved to comply with the high velocity hurricane zone of the Florida building code in the manufactured buildings category. The unit shall be rated for large and small missile impact and an allowable design pressure of +/- 100 psf for the walls and +/-75 psf for the roof.
6. Insulation that meets a minimum R-value of 12.5 shall be provided underneath the entire unit floor. Insulation shall be closed-cell foam to prevent wicking of moisture. Insulation shall completely fill the panel cavity in all directions so that no voids exist. Base assemblies shall comply with NFPA 90A.
7. Wall assemblies shall be double-wall construction with galvanized steel solid exterior and galvanized steel interior. The entire unit shall have a solid wall liner on the interior. All spaces and joints of wall assemblies shall be completely sealed. Wall shall meet the casing deflection limits contained herein.
8. A class "A" thermal break shall be provided throughout the entire wall assembly.
9. Insulation that meets a minimum R-value of 12.5 shall be provided throughout all walls and doors assemblies. Insulation shall be injected foam. Foam shall be

- closed cell to prevent wicking of moisture. Walls and doors assemblies shall comply with NFPA 90A.
10. Access doors shall be provided throughout units as indicated on the schedules and drawings. Access doors shall be double wall construction. Interior and exterior door panels shall be of the same construction as the interior and exterior wall panels.
  11. A class "A" thermal break shall be provided on all door assemblies downstream of the cooling coil.
  12. All doors shall be a minimum of 60 inches high if sufficient is available, or the maximum height allowed by the unit height.
  13. Door hinges shall be stainless steel type. Handles shall fasten against the door frame with a roller cam to eliminate wear of the door frame. All door handles shall be operable from both the unit exterior and interior.
  14. Roof assemblies shall be double wall construction. Exterior roof panels and interior ceiling panels shall be of the same construction as the exterior and interior wall panels.
  15. A class "A" thermal break shall be provided throughout the entire roof assembly.
  16. Insulation that meets a minimum R-value of 12.5 shall be provided throughout all roof assemblies. Insulation shall be injected foam.
  17. External surfaces of all outdoor unit casing shall be prepared and painted. Paint shall be AHU Manufacturer's standard color.
  18. Louver frames and blade material shall be constructed of aluminum. Louvers shall be flush-mounted to the exterior wall of the unit casing. Louver framers shall be 6 inches deep. Louvers shall be drainable with stationary blades, front flanges, and bird screens.
  19. Louvers shall be 99.8 % effective at preventing water penetration through them when tested under a 50 miles/hour wind and 8 inches/hours with 2,175 ft/minute airflow through the free area per the AMCA-L wind driven test. Louvers shall bear the AMCA seal.
  20. All louvers shall be approved to comply with the high velocity hurricane zone of the Florida building code.
  21. Ultra low-leak modulating dampers shall be provided, sized, and located as indicated on the schedule and drawings. Damper blades shall be aluminum double-skin airfoil design for minimal pressure drop. Leakage rate shall not exceed 3 cfm/square foot at 1" w.g.
  22. All leakage testing and pressure ratings shall be based on AMCA standard 500-D. All dampers, except external bypass and multizone dampers, shall be mounted on the AHU interior.
  23. Coils shall have same-end header connection. Water coils shall have non-ferrous headers. Water coils shall have vent and drain taps and MPT connections. connection location shall be as indicated on the drawings. Grommets shall be provided at coil casing penetrations around the coil piping. Grommets shall be designed to seal the opening under positive and negative pressure.
  24. Cold and hot water coils shall have 0.0075" thick coated aluminum fins. Fins shall be mechanically bonded to 5/8" OD seamless copper tubes with 0.020" thick walls. Fins shall have collars drawn, belled and firmly bonded to the tubes by means of mechanical expansion. Coils shall be circuited for counter-flow heat transfer. Coil casing shall be constructed of stainless steel.

25. Primary condensate drain pans shall be provided in cooling coil sections as detailed in the drawings. Drain pans in cooling coil sections shall be stainless steel. Drain connection shall be of the same material as the primary drain pan and shall extend a minimum of 1-1/2 inches. Drain pan shall be sloped a minimum of 1/8 inch per foot, shall be a minimum 2 inches deep, and be double-sloped to positively drain.
26. Fans shall be un-housed, SWSI plenum type with high efficient AF blades as indicated on the schedule and drawing. Fans shall be belt driven. Fan shall be furnished with protective enclosures around the fan wheels. Fans shall be furnished with inlet collars.
27. Fan bearing shall be heavy duty, grease lubricated, self-aligning, antifriction pillow type. Fan bearings shall be rated for a minimum average (1-50) pre ANSI/ABMA of 200,000 hours at design operating conditions. For easy accessibility, lubrication lines for fan bearings shall extend to the drive side of the fan, on the unit interior.
28. Fan section shall be provided with a structural steel I beam for mounting a trolley to assist in fan motor removal. The beam system shall be supported and mounted to the unit's base support system.
29. Fan and motor assemblies shall be mounted on vibration isolators which have a 2" deflection to isolate the assembly from the unit housing. Each fan assembly shall be vibration tested prior to shipment.
30. A factory mounted, weather resistant light emitting diode (LED) fixture shall be provided in sections of the unit as specified for maintenance and service visibility. Fixture shall be complete with aluminum die cast housing, polycarbonate lens, and LEDs wired to a single switch. LED lighting shall provide instant-on white light and have a minimum 50,000 hour life.
31. All lights on a unit shall be wired in the factory to a single on-off switch. Light switch shall be mounted inside the unit at the fan access door. Lighting circuit shall be wired by the AHU manufacture to a common junction box separate from the VFD so the lights can remain on when the main disconnect to the unit is on or off.
32. All sensors, actuators, valves and end devices on the AHU's shall be wired to a termination board on the AHU. The termination board shall be generic to enable field mounting, wiring, and commissioning of a field-provided DDC controller. Valves and actuators shall be 24VAC and 2-10VDC. Low limits and differential pressure switches shall be dry contacts.
33. The AHU Manufacturer shall provide external pipe cabinet assemblies as indicated on the schedule and drawings. External pipe cabinets shall be factory assembled and shipped with the units for field mounting. Pipe cabinet walls shall be double wall construction. Cabinet interior and exterior wall panels shall be of the same construction as the unit interior and exterior wall panels.
34. External pipe cabinets shall be provided with doors as indicated on the drawing.
35. Units shall be provided with new roof curb adapters to transition all supply and return air openings from the existing roof curb to the new units. Chilled and hot water piping must be routed through the wall of the curb adapter to allow for external installation of valve and piping. Curb adapter shall be a minimum height to allow all piping to be connected to the exterior of the units.
36. Combination VFD's shall be provided, mounted, and wired by the AHU Manufacturer on both units. The VFD's shall be properly sized, mounted, wired



- to the fan motors, and commission by the AHU Manufacturer. Combination VFD's shall include the VFD, a circuit breaker disconnect, a hand-off-auto switch, manual speed control, and a control transformer.
37. Digital operator keypads and displays shall be provided with each VFD and shall include local control and readout for: run/stop, speed, reset, volts, amps, kilowatts, and diagnostics.
  38. Each AHU shall be fully factory assembled.

#### **UNIT OVERALL DIMENSIONS B2A**

LENGTH	230.50	(in)
WIDTH	86.50	(in)
HEIGHT	96	(in)
WEIGHT	9,500	(lbs)

#### **Motor**

1. Premium EFF
2. The motor shall be Direct drive
3. 10 HP
4. Voltage/phase/frequency shall be 460/3/60
5. RPM 1800
6. Both sides extended grease lines.
7. Contractor shall add single phase protection device to existing motor starter.  
(Line side)

#### **Cooling coil**

1. Coil Type: water
2. Access doors
3. Tube Diameter: 5/8 inch
4. Tube Material: copper
5. Stainless steel drain pan
6. Tube Wall Thickness: .020"
7. Face Area (SQ FT)
8. Marine light
9. Fin Height- inches 43.50
10. Fin Length-inches 69.0
11. Casing Material: Stainless Steel

### **Fluid side performance**

EWT (°F)	45.0
LWT (°F)	
GPM:	93.40
Max FPO ft	10.00
Sensible capacity	
Fluid Weight	
Fluid Volume:	

### **Air Side Performance**

Air Flow (CFM):	10,200
EAT-DB (°F):	82.10
EAT-WB (°F):	70.00
LAT-DB (°F):	56.30
LAT-WB (°F):	55.50

### **Heating Coils**

1. Coil Type: water
2. Fin Material Aluminum
3. Tube Material: copper
4. Stainless steel drain pan
5. Tube Wall Thickness: .020"
6. Rows:
7. Casing Material: Stainless Steel
8. Tube Diameter: 5/8 inch
9. Fin Height-inches 31.50
10. Fin Length-inches 69.00

### **Fluid Side Performance**

EWT (°F)	180.0
LWT (°F)	
GPM:	26.60
Max FPO ft	10.00

### **Air Side Performance**

Air Flow (CFM):	10200
EAT-DB (°F):	55.90
LAT-DB (°F):	80.00

### **UNIT OVERALL DIMENSIONS B1C**

LENGTH	219.00	(in)
WIDTH	81	(in)
HEIGHT	81	(in)
WEIGHT	9,500	(lbs)

### **Motor**

1. Premium EFF
2. Wheel-Aluminum
3. 10 HP
4. Voltage/phase/frequency shall be 460/3/60
5. Inverter balance fan wheel
6. RPM 1800
7. Contractor shall add single phase protection device to existing motor starter.  
(Line side)

### **Cooling coil**

1. Coil Type: water
2. Access doors both sides
3. Tube Diameter: 5/8 inch
4. Tube Material: copper
5. Stainless steel drain pan
6. Tube Wall Thickness: .020"
7. Rows:
8. Marine light
9. Fin Height-inches 31.50
10. Fin Length-inches 67.00
11. Fin Material: Aluminum
12. Casing Material: Stainless Steel

### **Fluid side performance**

EWT (°F)	45.00
LWT (°F)	55.00
GPM:	
Max FPO ft	20.00

### **Air Side Performance**

Air Flow (CFM):	6,570
EAT-DB (°F):	80.00
EAT-WB (°F):	67.00

LAT-DB (°F): 55.00  
LAT-WB (°F): 54.00

### **Heating Coils**

1. Coil Type: water
2. Fin Material Aluminum
3. Tube Material: copper
4. Stainless steel drain pan
5. Tube Wall Thickness: .020"
6. Rows:
7. Fin Height-inches 27.00
8. Fin Length 67.00
9. Tube Diameter: 5/8 inch
10. Face Area 12.56

### **Fluid Side Performance**

EWT (°F) 180.0  
LWT (°F) 160.0  
GPM:  
Max FPO ft 20.00

### **Air Side Performance**

Air Flow (CFM): 6,570  
EAT-DB (°F): 56.00  
LAT-DB (°F): 80.00

### **Drain pan**

1. Drain pan shall be a stainless steel IAQ drain pan.
2. Drain pan shall be sloped in two (2) planes to eliminate stagnant water conditions.

### **Filters**

Filter Depth: 2"  
30% AAF perfect pleat filters CL 2  
Access Doors on Both sides

### **Chilled Water Valve**

The Successful Bidder shall install one (1) new Digital electric two way valve.

### **Hot Water Valve**

The Successful Bidder shall install one (1) new Digital electric three way valve.

### **Duct Connections**

1. The Contractor shall supply all the parts and equipment to connect the supply and return ducts to their respective air handler using flexible connectors. Connectors shall be properly installed so that they are not in tension and are aligned with their respective ducts.
2. No asbestos base mastic shall be use on any connections.

### **Variable speed drive**

1. Shall be one (1) variable speed starter with multiple communications.
2. The drive shall be Native BAC-NET ready
3. The drives shall be 460 volts 3 phase / 60

### **Controls Section**

#### **APPROVED MANUFACTURERS (SIEMENS TECNOLOGIES)**

1. All installation of control devices and programming shall be performed by a certified Siemens technician
2. Each unit shall be connected to a standalone Siemens power modular control module with a local user interface display panel.
3. The unit control module's and control panel display's shall be installed in a Nema 1 type enclosure.
4. The static pressure controller's shall be monitored by a digital display.
5. Units shall be connected to a standalone Siemens programmable controller, model # PXC16 compact controller.

**The PXC16 compact controller's shall have the following equipment wired to each unit.**

1. Siemens local user interface reference card.
2. Siemens Q-Series Duct Relative Humidity and Temperature Sensors.
3. Siemens Flow Rite-VF 599 series valves with Electro-hydraulic 24 volt 274 series actuator for the chilled water pipe.
4. Siemens Hot water control valve with 24 volt actuator
5. Siemens Open Air 24 volt spring return, Direct-coupled Electronic Damper Actuators for air return and outside. (model #GEB161.1U and #GCA161.1U)
6. Three Siemens temperature sensors, one (1) in the supply air duct, one (1) in the return duct and one (1) to read temperature at the fan-coil. Model # 544-339
7. One (1) air flow switch .05-1.0 W.C model # 141-0574
8. One (1) Hawkee-608 series Mini Split-Core Adjustable set point digital output current switch.

### **Input**

1. Filter status D/P status Switch
2. Fan status D/P status Switch
3. Return Air temperature Sensor
4. Supply Air temperature Sensor
5. Duct Static Pressure Sensor
6. Return air flow monitor station

### **Output**

1. Start/stop AHU Supply Fan
2. Modulating Chilled Water Valve Control
3. Modulating Supply Fan Control
4. Digital readout/stand alone controller in AHU room

5. 0 to 100 percent adjustable motorized damper

#### SECURITY CLEARANCE

- This building has been designated "Critical by Site and Building"
- Pursuant to Ordinance 2003-030, the Palm Beach County Criminal History Records Check Ordinance, the County will conduct fingerprint based criminal history record checks on each person, not employed by the County, who provides or delivers goods and services for, to or on behalf of the County. A finger print based criminal history record check will be conducted on all employees and Subcontractors of Contractors, vendors, repair persons and delivery persons who are unescorted when entering a facility determined to be critical to public safety and security.

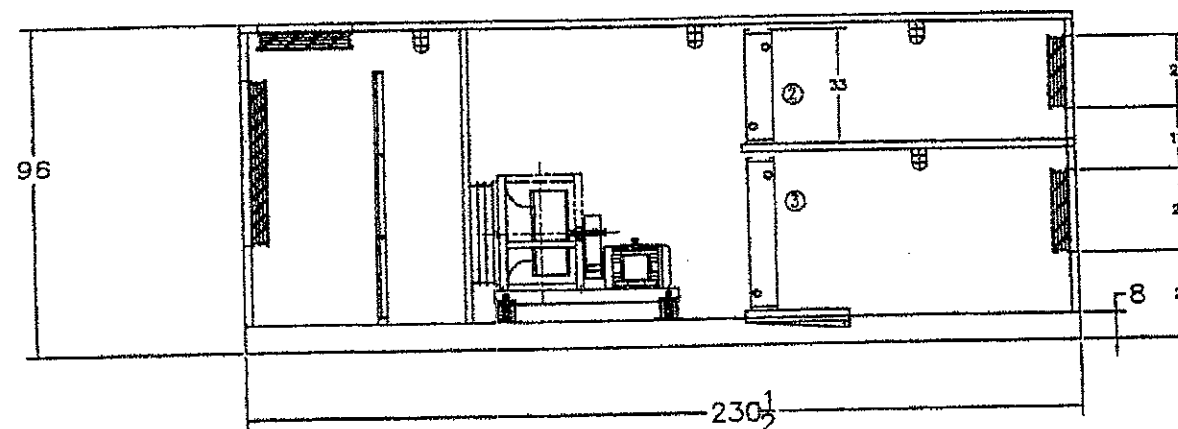
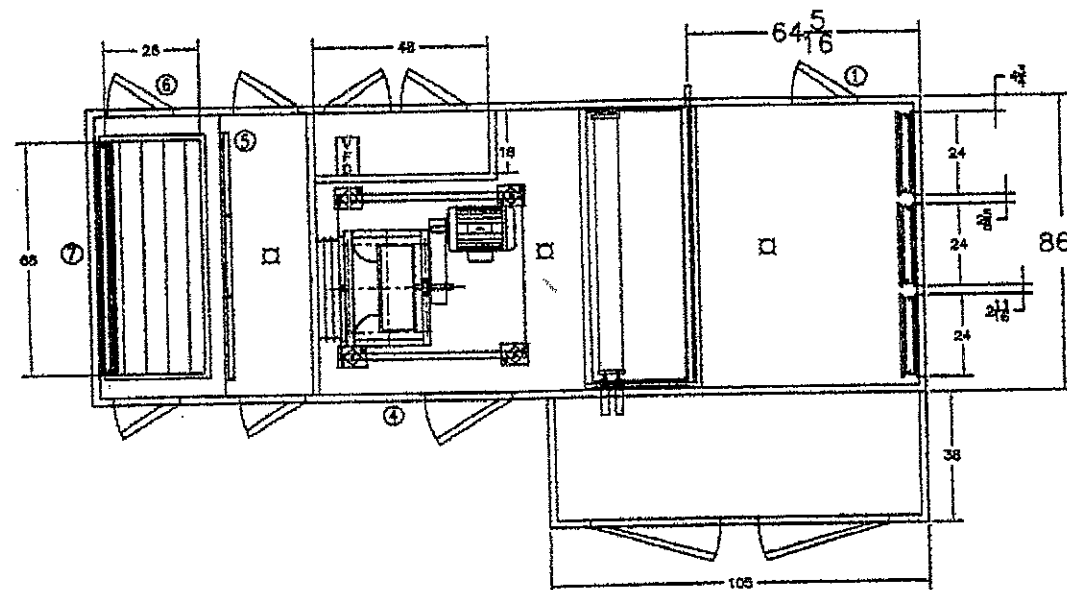
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#### Level 1 Clearance-Working Within The Gated Areas Of The CJC:

- Every employee that works on this project is to have a PBSO Internal Affairs security background check prior to starting the project.
- Employees requiring level one clearance shall be required to attend a three (3) hour orientation class on working around inmates (taken once and is good for a lifetime unless for updates).
- A tool inventory list is to be on the person at all times.
- Employees entering into correctional facilities **are not permitted** to wear belt supported or exposed pocket knives.
- Badges are to be worn and displayed at all times that the worker is on the job site.
- Workers are not to socialize with the inmates.

AHU-B2A

# REVISIONS	DATE	BY
XX	XX	XX
XX	XX	XX
XX	XX	XX



## EQUIPMENT LIST

- ① Supply Air Openings
- ② Heating Coil (1) 31.50"TH x 69"FL
- ③ Cooling Coil (1) 43.50"TH x 69"FL
- ④ Supply Fan Plenum  
24" EPF With 15 HP
- ⑤ 2" 30% AAF Perfect Pleat Filters CL2
- ⑥ Ruskin CD50 R/A damper  
68 x 26
- ⑦ Ruskin CD50 O/A damper & louver  
68 x 48

- DRI 1 1/2" Drain  
 API Removable Access Panel  
 FG Filter Gauge  
 LS Light Switch  
 LC 120V Load Center  
 Light (typ)  
 OT Outlet  
 EL Extended Lube Lines  
 MDS Main Disconnect  
 1 1/2" Floor Drain

DRAWN BY: lapas  
 DATE: 4/26/10  
 SCALE: 1/8" = 1'-0"  
 APPROVED BY:

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES

TYPE: Outdoor	UNIT CASING: 2inch / 18 ga.	PROJECT: Palm Beach County	JOB#: 14931
MOUNTING: Curb	INSUL/LINER: 2inch / 20 ga.	DESCRIPTION: 10,210 CFM	SALES ORDER#: XXX
BASE: 8 inch	DOORS: (See Drawing)	SALES OFFICE: West palm Beach, FL	DWG#: 14931_AHU-1
FLOOR: 14 ga Galvanized	LIGHTING: Yes		UNIT TAG: AHU-B2A
INSUL/LINER: 20 ga.	ISOLATION: SWSR 2A		SHIP WT.: 9,500 APPROX.



**TRANE**  
Custom Air Handlers



REVISIONS	DATE	BY
XX XXX	XXX	XX
XX XXX	XXX	XX

The figure shows two views of a Trane AHU unit. The top view is a plan view showing the layout of the unit with dimensions: 44, 68 13/16, 38, 48, 18, 17, 10 1/2, 25, 9, 13, 2 1/2, 8 1/2, 81, 20, 5, 219, 17, 8 1/2. Callouts 1 through 7 are placed around the unit. The side view shows the unit from the side with dimensions: 81, 20, 5, 219, 17, 8 1/2. Callouts 1 through 7 are also present.

### EQUIPMENT LIST

- ① Supply Air Openings
- ② Heating Coil (1) 27"FH x 67"FL
- ③ Cooling Coil (1) 31.50"FH x 67"FL
- ④ Supply Fan Plenum  
20" EPF With 10 HP
- ⑤ 2" 30% AAF Perfect Pleat Filters CL2
- ⑥ Ruskin CD50 R/A damper  
58 x 20
- ⑦ Ruskin CD50 O/A damper & Louver  
60 x 36

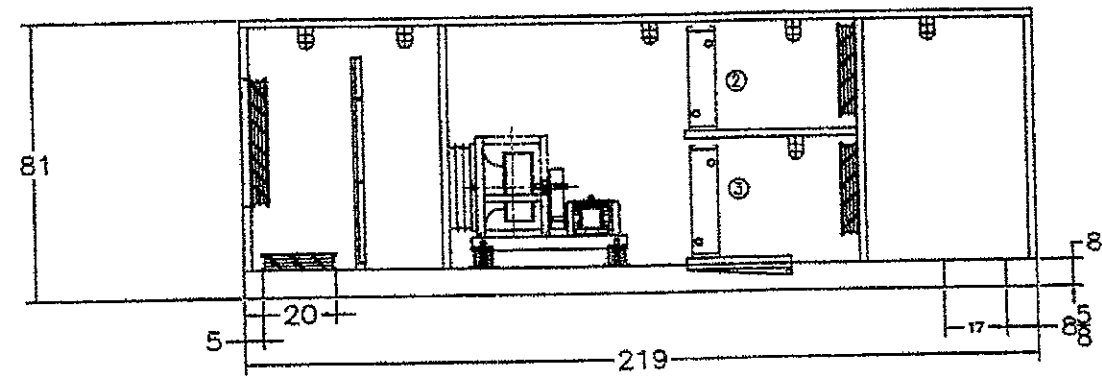
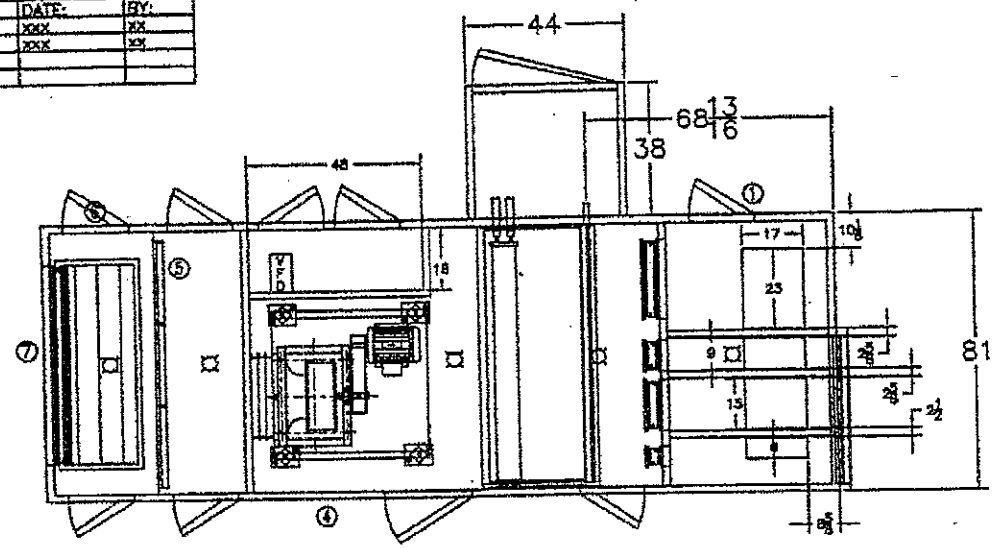
  

**DR** 1 1/2" Drain  
**AP** Removable Access Panel  
**FG** Filter Gauge  
**LS** Light Switch  
**LC** 120V Load Center  
**Light** (typ)  
**OT** Outlet  
**EL** Extended Lube Lines  
**MD** Main Disconnect  
**FD** 1 1/2" Floor Drain

DRAWN BY: lapas			
DATE: 4/26/10			
SCALE: 1/8" = 1'-0"			
APPROVED BY:			

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES			
TYPE: Outdoor	UNIT CASING: 2Inch / 18 ga.	PROJECT: Palm Beach County	JOB #: 14931
MOUNTING: Curb	INSUL/LINER: 2Inch / 20 ga.	DESCRIPTION: 6570 CFM	SALES ORDER #: XXX
BASE: 8 Inch	DOORS: (See Drawing)	SALES OFFICE: West palm Beach, FL	DWG #: 14931_AHU-1
FLOOR: 14 ga Galvanized	LIGHTING: Yes		UNIT TAG: AHU-B1C
INSUL/LINER: 20 ga.	ISOLATION: SWSR 2A		SHIP WT.: 9,500 APPROX.

**TRANE**  
Custom Air Handlers



- ## EQUIPMENT LIST
- ① Supply Air Openings
  - ② Heating Coil (1) 27"FH x 67"FL
  - ③ Cooling Coil (1) 31.50"FH x 67"FL
  - ④ Supply Fan Plenum  
20" EPF With 10 HP
  - ⑤ 2" 30% AAF Perfect Pleat Filters CL2
  - ⑥ Ruskin CD50 R/A damper  
58 x 20
  - ⑦ Ruskin CD50 O/A damper & Louver  
60 x 36
- 
- |     |                        |
|-----|------------------------|
| DR  | 1 1/2" Drain           |
| AP  | Removable Access Panel |
| FG  | Filter Gauge           |
| LS  | Light Switch           |
| LC  | 120V Load Center       |
| →   | Light (typ)            |
| OT  | Outlet                 |
| EL  | Extended Lube Lines    |
| MDS | Main Disconnect        |
| 1   | 1 1/2" Floor Drain     |

DRAWN BY: lapas  
DATE: 4/26/10  
SCALE: 1 to Scale  
APPROVED BY:

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES			
TYPE: Outdoor	UNIT CASING: 2inch / 18 ga.	PROJECT: Palm Beach County	JOB #: 14931
MOUNTING: Curb	INSUL/LINER: 2inch / 20 ga.	DESCRIPTION: 6570 CFM	SALES ORDER #: XXX
BASE: 8 inch	DOORS: (See Drawing)	SALES OFFICE: West palm Beach, FL	DWG #: 14931_AHU-1
FLOOR: 14 ga Galvanized	LIGHTING: Yes		UNIT TAG: AHU-B1C
INSUL/LINER: 20 ga.	ISOLATION: SWSR 2A		SHIP WT.: 9,500 APPROX.



# SCHEDULE 1

## LIST OF PROPOSED SBE-M/WBE PRIME AND/OR SUBCONTRACTOR PARTICIPATION

PROJECT NAME OR BID NAME: Main Detention Center (CJC) Bldg B – Replace two A/C units PROJECT NO. OR BID NO.: 11465

NAME OF PRIME BIDDER: FARMER & IRWIN CORP.

ADDRESS: 3300 AVE K RIVIERA BEACH, FL 33404

CONTACT PERSON: \_\_\_\_\_

PHONE NO.: 561-842-5316

FAX NO.: 561-842-5999

BID OPENING DATE: \_\_\_\_\_

USER DEPARTMENT: \_\_\_\_\_

THIS DOCUMENT IS TO BE COMPLETED BY THE PRIME CONTRACTOR AND SUBMITTED WITH BID PACKET. PLEASE LIST THE NAME, CONTACT INFORMATION AND DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SBE -M/WBE SUBCONTRACTORS ON THIS PROJECT. IF THE PRIME IS AN SBE-M/WBE, PLEASE ALSO LIST THE NAME, CONTACT INFORMATION AND DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME ON THIS PROJECT.

Name, Address and Phone Number	(Check one or both Categories)		DOLLAR AMOUNT OR PERCENTAGE OF WORK				
	M/WBE	SBE	Black	Hispanic	Women	Caucasian	Other (Please Specify)
1.	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____
2.	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____
3.	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____
4.	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____
5.	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____

(Please use additional sheets if necessary)

Total \_\_\_\_\_

Total Bid Price \$ \_\_\_\_\_

Total SBE-M/WBE Participation Dollar Amount or Percentage of Work

N/A 

Note:

1. The amount listed on this form for a subcontractor must be supported by price or percentage listed on the signed Schedule 2 or signed proposal in order to be counted toward goal attainment.
2. Firms may be certified by Palm Beach County as an SBE and/or M/WBE. If firms are certified as both an SBE and M/WBE, please indicate the dollar amount or percentage under the appropriate category.
3. M/WBE information is being collected for tracking purposes only.

Revised 03/15/2011

SCHEDULE 2

LETTER OF INTENT TO PERFORM AS AN SBE OR M/WBE SUBCONTRACTOR

PROJECT NO. 11465

PROJECT NAME: Main Detention Center (CJC) Bldg B – Replace Two A/C Units

TO: \_\_\_\_\_  
(Name of Prime Bidder)

The undersigned is certified by Palm Beach County as a(n) - (check one or more, as applicable):

Small Business Enterprise \_\_\_\_\_ Minority Business Enterprise \_\_\_\_\_ Black \_\_\_\_\_ Hispanic \_\_\_\_\_

Women \_\_\_\_\_ Caucasian \_\_\_\_\_ Other (Please Specify) \_\_\_\_\_

Date of Palm Beach County Certification: \_\_\_\_\_

The undersigned is prepared to perform the following described work in connection with the above project  
(Specify in detail, particular work items or parts thereof to be performed):

Line Item No.	Item Description	Qty/Units	Unit Price	Total Price
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

the following price \$ \_\_\_\_\_.

(Subcontractor=s quote)

and will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.

If undersigned intends to sub-subcontract any portion of this subcontract to a non-certified SBE subcontractor, the amount of any such subcontract must be stated: \$ \_\_\_\_\_.

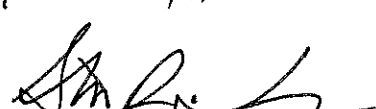
The undersigned subcontractor understands that the provision of this form to prime bidder does not prevent subcontractor from providing quotations to other bidders

\_\_\_\_\_  
(Print name of SBE-M/WBE Subcontractor)

By: \_\_\_\_\_ (Signature)

\_\_\_\_\_  
(Print name/title of person executing on behalf of SBE-M/WBE Subcontractor)

Date: \_\_\_\_\_

N/A 7/5/11  


In compliance with F.S. Chapter 255.05(1) (a)

**PUBLIC CONSTRUCTION BOND**

BOND NUMBER 09031565

BOND AMOUNT \$337,990.00

CONTRACT AMOUNT \$337,990.00

CONTRACTOR'S NAME: Farmer & Irwin Corporation

CONTRACTOR'S ADDRESS: 3300 Avenue K, Riviera Beach, FL 33404

CONTRACTOR'S PHONE: (561) 842-5316

SURETY COMPANY: Fidelity and Deposit Company of Maryland

SURETY'S ADDRESS: Contract Surety Bond Claims c/o Zurich  
1400 American Lane  
Schaumburg, IL 60196

SURETY'S PHONE: 813-354-2232

OWNER'S NAME: PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS  
CAPITAL IMPROVEMENTS DIVISION

OWNER'S ADDRESS: 2633 Vista Parkway  
West Palm Beach, FL 33411-5604

OWNER'S PHONE: (561) 233-0261

DESCRIPTION OF WORK: furnish all material, labor, supervision, permits, and supplies  
necessary and reasonably incidental to remove and properly dispose of the existing air handling  
units and replace with two (2) new Trane or an approved equal per the specifications provided by  
Facilities Services at the pre-bid meeting held on Tuesday, April 19, 2011.

PROJECT LOCATION: 3228 Gun Club Rd., West Palm Beach, FL 33406

LEGAL DESCRIPTION: \_\_\_\_\_

This Bond is issued in favor of the County conditioned on the full and faithful performance of the Contract

KNOW ALL MEN BY THESE PRESENTS: that Contractor and Surety, are held and firmly bound unto

Palm Beach County Board of County Commissioners  
301 N. Olive Avenue  
West Palm Beach, Florida 33401

as Obligee, herein called County, for the use and benefit of claimant as hereinbelow defined, in the amount of:

Three Hundred Thirty Seven Thousand, Nine Hundred Ninety Dollars and Zero Cents  
(\$337,990.00 )

for the payment whereof Principal and Surety bind themselves, their heirs, personal representatives, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS,

Principal has by written agreement entered into a contract with the County for

Project Name: Main Detention Center (CJC) Bldg B- Replace Two A/C Units  
Project No.: 11465  
Project Description: Remove the existing air handling units and replace with two (2) new  
Trane units  
Project Location: 3228 Gun Club Rd., WPB. FL 33406

in accordance with Drawings and Specifications prepared by

NAME OF ARCHITECTURAL FIRM: N/A  
LOCATION OF FIRM:  
PHONE:  
FAX:

which contract is by reference made a part hereof in its entirety, and is hereinafter referred to as the Contract.

THE CONDITION OF THIS BOND is that if Principal:

1. Performs the contract between Principal and County for the construction of Main Detention Center (CJC) Bldg B-Replace Two A/C Units Project #11465 the contract being made a part of this bond by reference, at the times and in the manner prescribed in the contract; and
2. Promptly makes payments to all claimants, as defined in Section 255.05, Florida Statutes, supplying Principal with labor, materials, or supplies, used directly or indirectly by Principal in the prosecution of the work provided for in the contract; and

3. Pays County all losses, damages (including liquidated damages), expenses, costs, and attorneys' fees, including appellate proceedings, that County sustains because of a default by Principal under the contract; and
4. Performs the guarantee of all work and materials furnished under the contract for the time specified in the contract, then this bond is void; otherwise it remains in full force.
5. Any changes in or under the contract documents and compliance or noncompliance with any formalities connected with the contract or the changes does not affect Surety's obligation under this bond and Surety waives notice of such changes.
6. The amount of this bond shall be reduced by and to the extent of any payment or payments made in good faith hereunder, inclusive of the payment by Surety of construction liens which may be filed of record against said improvement, whether or not claim for the amount of such lien be presented under and against the bond.
7. Principal and Surety expressly acknowledge that any and all provisions relating to consequential, delay and liquidated damages contained in the contract are expressly covered by and made a part of this Performance, Labor and Material Payment Bond. Principal and Surety acknowledge that any such provisions lie within their obligations and within the policy coverages and limitations of this instrument.

Section 255.05, Florida Statutes, as amended, together with all notice and time provisions contained therein, is incorporated herein, by reference, in its entirety. Any action instituted by a claimant under this bond for payment must be in accordance with the notice and time limitation provisions in Section 255.05(2), Florida Statutes. This instrument regardless of its form, shall be construed and deemed a statutory bond issued in accordance with Section 255.05, Florida Statutes.

\*\* See Below

Any action brought under this instrument shall be brought in the court of competent jurisdiction in Palm Beach County and not elsewhere.

Signed & sealed this 20th day of July, 2011

*James Arthur Smith*  
Witness

*Sharon Daugherty*  
Witness Sharon Daugherty

Farmer & Irwin Corporation  
Principal *[Signature]* (Seal)

Title STEVEN R. IRWIN  
PRESIDENT  
Fidelity and Deposit Company of Maryland

Surety *[Signature]* (Seal)  
Title Anett Cardinale Attorney-in-Fact &  
FL Licensed Resident Agent

Inquiries 813-281-2095

\*\* The provisions and limitations of Section 255.05 Florida Statute, including but not limited to the time limitations in Sections 255.05(2) and 255.05(8), are incorporated in this bond by reference.

## EXTRACT FROM BY-LAWS OF FIDELITY AND DEPOSIT COMPANY OF MARYLAND

"Article VI, Section 2. The Chairman of the Board, or the President, or any Executive Vice-President, or any of the Senior Vice-Presidents or Vice-Presidents specially authorized so to do by the Board of Directors or by the Executive Committee, shall have power, by and with the concurrence of the Secretary or any one of the Assistant Secretaries, to appoint Resident Vice-Presidents, Assistant Vice-Presidents and Attorneys-in-Fact as the business of the Company may require, or to authorize any person or persons to execute on behalf of the Company any bonds, undertaking, recognizances, stipulations, policies, contracts, agreements, deeds, and releases and assignments of judgements, decrees, mortgages and instruments in the nature of mortgages,...and to affix the seal of the Company thereto."

## CERTIFICATE

I, the undersigned, Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that the Vice-President who executed the said Power of Attorney was one of the additional Vice-Presidents specially authorized by the Board of Directors to appoint any Attorney-in-Fact as provided in Article VI, Section 2, of the By-Laws of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed."

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said Company,

this 20th day of July, 2011.

*John D. Baur*  
Assistant Secretary

**Power of Attorney**  
**FIDELITY AND DEPOSIT COMPANY OF MARYLAND**

KNOW ALL MEN BY THESE PRESENTS: That the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, a corporation of the State of Maryland, by THEODORE G. MARTINEZ, Vice President, and GREGORY E. MURRAY, Assistant Secretary, in pursuance of authority granted by Article VI, Section 2, of the By-Laws of said Company, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, does hereby nominate, constitute and appoint **David H. CARR, Carol H. HERMES, Anett CARDINALE, Margaret A. GINEM and Linda HORN, all of Tampa, Florida, EACH** its true and lawful agent and Attorney-in-Fact to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed, ~~any and all bonds and undertakings~~, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Company, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its office in Baltimore, Md. in their own proper persons. This power of attorney revokes that issued on behalf of James W. DUNN, David H. CARR, Carol H. HERMES, Anett CARDINALE, Margaret A. GINEM, Linda HORN, Denise TAYLOR, dated March 3, 2008.

The said Assistant Secretary does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article VI, Section 2, of the By-Laws of said Company, and is now in force.

IN WITNESS WHEREOF, the said Vice-President and Assistant Secretary have hereunto subscribed their names and affixed the Corporate Seal of the said FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 10th day of June, A.D. 2010.

ATTEST:

**FIDELITY AND DEPOSIT COMPANY OF MARYLAND**



*Gregory E. Murray*

By:

*Gregory E. Murray Assistant Secretary*

*Theodore G. Martinez*

*Theodore G. Martinez*

State of Maryland }  
City of Baltimore } ss:

On this 10th day of June, A.D. 2010, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, came THEODORE G. MARTINEZ, Vice President, and GREGORY E. MURRAY, Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and they each acknowledged the execution of the same, and being by me duly sworn, severally and each for himself depose and saith, that they are the said officers of the Company aforesaid, and that the seal affixed to the preceding instrument is the Corporate Seal of said Company, and that the said Corporate Seal and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.



*Constance A. Dunn*

*Constance A. Dunn*

*Notary Public*

My Commission Expires: July 14, 2011





# CERTIFICATE OF LIABILITY INSURANCE

OP ID HA

DATE (MM/DD/YYYY)  
03/18/11

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Huckleberry Sibley & Harvey of South Florida 1475 Centrepark Blvd West Palm Beach FL 33401 Phone:561-712-4699 Fax:561-712-4930	CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS: PRODUCER CUSTOMER ID #: FARI002
INSURED Farmer & Irwin Corporation ID #523183 3300 Ave. K Riviera Beach FL 33404	INSURER(S) AFFORDING COVERAGE INSURER A: Amerisure Insurance Company INSURER B: Amerisure Mutual Insurance Co INSURER C: INSURER D: INSURER E: INSURER F:
	NAIC # 19488 23396

## COVERAGES

## CERTIFICATE NUMBER:

## REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR	WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Blanket WOS <input checked="" type="checkbox"/> Blanket AI GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC	X		GL 2060944	04/01/11	04/01/12	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 50,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			CA 2060942	04/01/11	04/01/12	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$ \$
B	UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DEDUCTIBLE <input checked="" type="checkbox"/> RETENTION \$ 0			CU 2060946	04/01/11	04/01/12	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$ \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		Y/N N/A	WC 2060947	04/01/11	04/01/12	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	Equip Fltr			CPP2060943	04/01/11	04/01/12	Leased Eq \$100,000 Deductibl \$1,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)  
Palm Beach County, A Political Subdivision of the State of Florida, its officers, agents and employees are included as additional insured with respect to General Liability (CG 70 48 03 04) as required by written contract. \*10 Days Notice of Cancellation Due to non-payment.

## CERTIFICATE HOLDER

## CANCELLATION

PALMBE9  Palm Beach County BCC Facilities Services 2633 Vista Parkway West Palm Beach FL 33411	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
---	---

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BUDGET AVAILABILITY STATEMENT

REQUEST DATE: 5/12/11

REQUESTED BY: Danny Racette

PHONE: 233-2057

PROJECT TITLE: Main Detention Center (CJC) Bldg B – replace two a/c units

PROJECT NO.: 11465

LOCATION: 3228 Gun Club Road, WPB

LOCATION DESCRIPTION: Main Detention Center

BUILDING NUMBER: 111B

CONTRACTOR/CONSULTANT NAME: Farmer & Irwin

PROVIDE A BRIEF STATEMENT OF THE SCOPE OF SERVICES TO BE PROVIDED BY THE CONSULTANT/CONTRACTOR: Remove and properly dispose of the existing air handling units and replace with two (2) new Trane, or an approved equal, per the specifications provided by Facilities Services.

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

CONSTRUCTION  
ARCHITECT/ENGINEER/CONSULTANT  
STAFF COSTS\*  
EQUIPMENT/ OTHER  
CONTINGENCY  
TOTAL

\$337,990.00

NA

\$ 4,480.00

NA

\$ 33,799.00

\$376,269.00

\$371,789.00

\*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-B511-4907  
FUND: DEPT: UNIT: OBJ: SUBOBJ:

☒ AD VALOREM ☐ OTHER / GRANT(S) ☐ FEDERAL/DAVIS BACON

If Grant(s), specify name of Grant(s): \_\_\_\_\_

SUBJECT TO INSPECTOR GENERAL FEE

☒ YES

☐ NO

BAS APPROVED BY: [Signature]

DATE: 5/19/11

ENCUMBRANCE NUMBER: \_\_\_\_\_

PALM BEACH COUNTY  
FACILITIES DEVELOPMENT & OPERATIONS DEPARTMENT

COMPETITIVE QUOTATION COMPARISON

Main Detention Center (CJC) Bldg B – Replace two a/c units

PROJECT NO. 11465

PROJECT NUMBER AND NAME

BRIEF SCOPE OF QUOTATION: Remove existing units and install new units.

SOLICITATION DATE: 04/19/11

NUMBER OF QUOTATIONS SOLICITED: 6

QUOTATION RECEIPT DATE: 05/12/11

NUMBER OF QUOTATIONS RECEIVED     

	VENDOR	DOLLAR QUOTATION	COMMENTS
1	Farmer & Irwin	337990.00	
2	Kerney & Associates	397462.00	
3	Precision Air	347690.00	
4	Horizon A/C		SBE
5	Stokes Mechanical		no response
6	The Airtex Corp.		SBE no response
8			
9			
10			

COMMENTS:

■ IS A MATERIAL SAFETY DATA SHEET REQUIRED? ☐ YES ☐ NO HAS MSDS BEEN PROVIDED? ☐ YES ☐ NO

■ THE RECOMMENDED CONTRACTOR'S INSURANCE AND LICENSE ARE CURRENT AND IN COMPLIANCE WITH PALM BEACH COUNTY REQUIREMENTS.

INITIALS  
■ BASED ON A REVIEW OF THE ABOVE-LISTED QUOTATIONS, IT IS CONCLUDED THAT \_\_\_\_\_  
PROVIDED THE LOWEST RESPONSIVE AND RESPONSIBLE QUOTATION. VENDOR'S NAME

■ [Signature]  
SIGNATURE

05/12/11  
DATE

P. Lancaster  
SIGNATURE

5/12/11  
DATE