



Proposal

Trane
A Division of American Standard Inc.

Prepared For:
All Bidders

Date: June 12, 2007

Proposal Number: P4-46973-1

Job Name:
Hilldale Baptist Family Life Center

Engineer:

Bid Date: June 19, 2007

Delivery Terms:
Freight Allowed and Prepaid - F.O.B. Factory

Payment Terms:
Net 30 Days

Phase 1

| Item | Tag(s) | Qty | Description | Model Number |
|------|------------|-----|------------------------------|------------------------|
| A1 | SS-1, SS-4 | 2 | 20 Ton Unitary Split Systems | TTA240B300--TWE240B300 |
| A2 | SS-3 | 1 | 15 Ton Unitary Split Systems | TTA180B300--TWE180B300 |

Item: A1 Qty: 2 Tag(s): SS-1, SS-4

TTA Air Condensing Outdoor Unit
20 Ton Nominal Cooling Capacity
Dual Compressors - R22
208-230 Volt 3 Phase 60 Hertz
TWE Air Handler Unit
20 Ton Nominal Cooling Capacity
Dual Refrigerant Circuit - R22
208-230 Volt 3 Phase 60 Hertz
2 stage heat/2 stage cool digital display programmable (Fld)
2 Low Ambient Modulating (Fld)

Item: A2 Qty: 1 Tag(s): SS-3

TTA Air Condensing Outdoor Unit
15 Ton Nominal Cooling Capacity
Dual Compressors - R22
208-230 Volt 3 Phase 60 Hertz
TWE Air Handler Unit
15 Ton Nominal Cooling Capacity
Dual Refrigerant Circuit - R22
208-230 Volt 3 Phase 60 Hertz
2 stage heat/2 stage cool digital display programmable (Fld)
2 Low Ambient Modulating (Fld)

Note: Vibration isolation, anti short cycle timers, coil guards, hot gas bypass, smoke detectors, and extra filters are not included.

| Item | Tag(s) | Qty | Description | Model Number |
|------|------------|-----|-----------------------------|--------------|
| C1 | DH-1, DH-4 | 2 | Indoor Gas Heating Products | GDND040AEF |
| C2 | DH-3 | 1 | Indoor Gas Heating Products | GDND030ADF |
| C3 | UH-1, UH-2 | 2 | Indoor Gas Heating Products | GPND010ADF |

Item: C1 Qty: 2 Tag(s): DH-1, DH-4

Indoor gas duct furnace
400 MBH input/320 MBH output
Two stage gas control, intermittent pilot
Aluminized steel heat exchanger

Item: C2 Qty: 1 Tag(s): DH-3
 Indoor gas duct furnace
 300 MBH input/240 MBH output
 Single stage gas control, intermittent pilot
 Aluminized steel heat exchanger

Item: C3 Qty: 2 Tag(s): UH-1, UH-2
 Propeller fan gas unit heater
 100 MBH input/80 MBH output
 Single stage gas control, intermittent pilot
 #409 stainless steel heat exchanger
 30' down. disch. nozzle (Fld)
 Single stage room thermostat (Fld)

Note: Louvers, flue vent fan, and drain pan are not included.

| Item | Tag(s) | Qty |
|------|--------------|-----|
| D1 | FAU-1, FAU-2 | 2 |

Product Data - RenewAire Energy Recovery Ventilator

Item: D1 Qty: 1 Tag(s): FAU-1
 HE4XINV
 Static Plate
 Sensible and Latent Transfer
 Vertical Configuration
 208/60/3 Voltage
 24V Controls
 Supply and Exhaust VFDs (Fld)
 CO2 Sensor (Fld)

Item: D1 Qty: 1 Tag(s): FAU-2
 HE2XINH
 Static Plate
 Sensible and Latent Transfer
 Horizontal Configuration
 208/60/3 Voltage
 24V Controls
 CO2 Sensor (Fld)

Note: VFDs are not included with FAU-3

| Item | Description |
|------|------------------|
| E1 | Tracker controls |

Product Data – Tracker Controls
 See Attached Proposal

Phase 2

| Item | Tag(s) | Qty | Description | Model Number |
|------|------------|-----|------------------------------|------------------------|
| A1 | SS-2, SS-5 | 2 | 20 Ton Unitary Split Systems | TTA240B300--TWE240B300 |

Item: A1 Qty: 2 Tag(s): SS-2, SS-5

TTA Air Condensing Outdoor Unit
 20 Ton Nominal Cooling Capacity
 Dual Compressors - R22
 208-230 Volt 3 Phase 60 Hertz
 TWE Air Handler Unit
 20 Ton Nominal Cooling Capacity
 Dual Refrigerant Circuit - R22
 208-230 Volt 3 Phase 60 Hertz
 2 stage heat/2 stage cool digital display programmable (Fld)
 2 Low Ambient Modulating (Fld)

Note: Vibration isolation, anti short cycle timers, coil guards, hot gas bypass, smoke detectors, and extra filters are not included.

| Item | Tag(s) | Qty | Description | Model Number |
|------|--------|-----|--|--------------------------------|
| B1 | RTU-1 | 1 | 7.5 Ton R22, PKGD Unitary Gas/Electric | YHC092A3RLA--A0B0A1B0B000----D |

Item: B1 Qty: 1 Tag(s): RTU-1

DX cooling, gas heat
 High efficiency
 Convertible configuration
 7.5 Ton, Dual compressors
 208-230/60/3
 Microprocessor controls 3 ph
 Low gas heat capacity
 Coil Guard
 Motorized outside air damper 0-50% 3 ph
 Standard panels/2 inch pleated filters 3 ph
 Through the base electric 3 ph
 Non-fused disconnect 3 ph
 Powered conv. outlet 3 ph
 2H/2C digital display-programmable
 Dehumidification-hot gas reheat
 Roof curb (Fld)
 Humidity wall mounted sensor (Fld)

Note: Smoke detectors and extra filter are not included.

| Item | Tag(s) | Qty | Description | Model Number |
|------|------------|-----|-----------------------------|--------------|
| C1 | DH-2, DH-5 | 2 | Indoor Gas Heating Products | GDND040AEF |

All Units

Natural gas
 115/60/1 main power supply

Item: C1 Qty: 2 Tag(s): DH-2, DH-5

Indoor gas duct furnace
 400 MBH input/320 MBH output
 Two stage gas control, intermittent pilot
 Aluminized steel heat exchanger

Note: Louvers, flue vent fan, and drain pan are not included.

| Item | Tag(s) | Qty |
|------|--------|-----|
| D1 | FAU-3 | 1 |

Product Data - RenewAire Energy Recovery Ventilator

Item: D1 Qty: 1 Tag(s): FAU-3

EV300

Static Plate

Sensible and Latent Transfer

Vertical Configuration

115/60/1 Voltage

24V Controls

CO2 Sensor

Note: VFDs are not included with FAU-3

| Item | Description |
|------|------------------|
| E1 | Tracker controls |

Product Data - Tracker Controls

See Attached Proposal

Chad Tarter - Trane

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Nashville, TN 37211-3659

Phone: (615) 242-0311

Fax: (615) 726-3357



TRANE™

CONTROLS

JUNE 13,2007

JOB NAME: HILLDALE BAPTIST FAMILY LIFE CENTER

LOCATION: CLARKSVILLE, TN

Proposal : We propose to install the Trane Temperature Control and/or Building Automation System for the above job as follows :

HVAC AUTOMATIC CONTROLS

Net Price: \$ Included with the Trane HVAC Equipment Proposal

- Remarks :**
1. This proposal **includes control and interlock wiring.**
 2. This proposal **does not include DAIKIN Components.**
 3. The following **addendum's** are included in this proposal:
 4. This proposal **does not include applicable taxes.**
 5. Please refer to the following pages for a detailed scope of work.

Proposal Accepted :
Nashville Trane is authorized to proceed
with the work as proposed :

Purchaser _____

By _____

Title _____

Proposal Submitted :
Nashville Trane

By _____

GARY MILLER

Title: BAS SYSTEM SALES

Date: JUNE 13,2007



TRANE™

CONTROLS

JUNE 13, 2007

Job Name: HILLDALE BAPTIST FAMILY LIFE CENTER

Our Proposal Does Include :

Controls for Air Handler Units AHU-1-5 (5) Including:

Field Install Trane Interface Module (ZN517), Discharge Air Sensor, Installation of Space thermostats with setpoint adjustment with Override Button, Interlocking Relays, Current Switch for Fan Status and associated system programming.

Controls for FAU-1, 2, 3 Including:

Field Install Trane DDC Controller, CO2 Sensors (4), Interlocking Relays for Fans, 0-10 V DC Signal to VFD on FAU-1,2, ONLY Static Pressure Sensor/Discharge Sensor, New Central Control Panel with Display and associated system programming.

Controls for Roof Top Unit RTU-1 Including:

Factory Installed Trane DDC Controller (LCI) Installation of Space thermostat with setpoint adjustment with Override Button and associated system programming.

Controls for Exhaust Fans EF-2,3,4,5 Including:

Field Installed Trane DDC Controller (MP503) Installation Interlocking Relays, Control Wiring and associated system programming.

Controls for Facility Management System Including:

Trane Tracker Controller with Local Display, Ethernet Card and Phone Modem.

Our Proposal Also Includes :

Control and Interlocking Wiring

Eight Hours of Onsite Owner Training

One Years Parts Warranty on all Control Components

Our Proposal Does Not Include :

Furnishing, Installing and Checkout of DAIKIN Components

Motor Starters, Disconnects, and Starters on AHU,RTU, and FAU Units