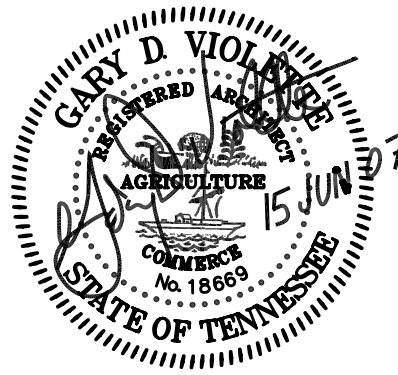


15 June 2007

FAMILY LIFE CENTER  
HILDALE BAPTIST CHURCH  
CLARKSVILLE, TENNESSEE



### **ADDENDUM NO. THREE**

TO PLANHOLDERS: This addendum is issued to modify the original Project Drawings and Project Manual, and is hereby made part of the contract documents. Please attach this addendum to the Project Manual in your possession. Review changes to each portion of the work, as changes of one portion may affect the work of another.

### **PROJECT MANUAL**

#### **ITEM 1.**

INFORMATION AVAILABLE TO BIDDERS; Add the following: "Extent of Owner Furnished Mechanical Equipment is posted online at [www.vioarc.com](http://www.vioarc.com) and on file at the Architect's office." Clarification: Base Bid A and Base Bid B shall not include these items. Copies of Trane and Daikin Equipment lists are attached hereto.

#### **ITEM 2.**

Section 09770 - Athletic Flooring, Part 2 - Products, Available Manufacturers; Add the following: DynaForce 7+2 & Everlast by Dynamic Sports Construction, Inc. Contact: Michelle Randall 512.260.6722".

#### **ITEM 3.**

Section 13122 - PRE-ENGINEERED BUILDINGS, PART 2 - PRODUCTS, STRUCTURAL FRAMING, Rigid Frames; Delete the following: "Provide rigid matching expandable frames at endwalls." Clarification: Rigid endwall frames shall not be expandable.

### **DRAWINGS**

#### **ITEM 4.**

Sheet C001 - Site Layout, Site Design & Construction Note; Add the following: "Owner provided subgrade elevation shall be 526.33". Clarification: Crushed stone currently on the building pad will be used by the Owner in the parking & drive areas.

#### **ITEM 5.**

Sheet C001 - Site Layout, Site Design & Construction Note; Add the following: "Foundation & slab recess spoils shall be disposed of on site at a location directed by the Owner within approximately 100 yards of the building".

### **END OF ADDENDUM NO. THREE**



# 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**

601 Grassmere Park Drive, Suite 10

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**

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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**



# Proposal

**Prepared For:**  
Hilldale Baptist Church

**Job Name:**  
HBC Family Life Center

**Engineer:**  
WBW Engineering

**Quote Number:**

Attached herewith is a list of equipment proposed for the aforementioned project. If there are any questions, concerns or discrepancies please contact our office at once.

## ITEM A: PHASE I Variable Refrigerant Volume HVAC Systems

Four (4) Daikin Outdoor SYSTEMS as follows:

REFNET Refrigerant Connectors  
(15) BRC2A71 Zone Controllers

ODU-1 for VRV-1 System  
With Seven (7) Indoor Units

Model: REYQ96  
(1) FXAQ12 and (6) FXAQ18s  
Tagged: IND 1-1, 2, 3, 4, 5, 6, 7

ODU-4 for VRV-4 System  
With Seven (7) Indoor Units

Model: REYQ96  
(4) FXFQ12 and (3) FXAQ24s  
Tagged IND 2-1, 2-2, 3-1, 3-2, 3-3, 4-1, 4-4

ODU-5 for VRV-5 System  
With Five (5) Indoor Units

Model: REYQ96  
(4) FXFQ24 and (1) FXSQ18  
Tagged IND 5-1 thru 5

ODU-6 for VRV-6 System  
With One (1) Indoor Unit

Model: RXMQ36  
FXMQ36  
Tagged IND 6-1

## ITEM B: PHASE II Variable Refrigerant Volume HVAC Systems

Two (2) Daikin Outdoor SYSTEMS as follows:

REFNET Refrigerant Connectors  
(16) BRC2A71 Zone Controllers

ODU-2 for VRV-2 System  
With Eight (8) Indoor Units

Model: REYQ96  
(8) FXAQ12  
Tagged: IND 2-3 thru 2-10

ODU-3 VRV-3 System Model: REYQ96  
With Nine (6) Indoor Units

(6) FXFQ12  
Tagged IND 3-4 thru 3-9

Three Units to tie into System 4 (1) FXFQ12 & (2) FXFQ24

Tagged IND 4-3 thru 4-5



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**Notes:**

1. Line sets not by MRG.
2. Disconnect switches not by MRG.
3. Condensate pumps for wall mounted units not by MRG.
4. Control wire and wiring not provided by MRG.
5. System Commissioning and Start Up will be performed by Daikin Factory Representative.