



CONSTRUCTION PERMIT APPLICATION

Applicant Completes: Sections I, II, III (optional), IV, VI, and VII C-13-006746

I. IDENTIFICATION

1. Proposed Work Site at: 1657 W. PRINCETON AVE

2. Name of Owner in Fee: ANNA ABEL
 Tel. (732) 206-0752 e-mail _____
 Address _____ street _____ municipality BRICK zip code _____

3. Ownership in Fee: Public _____ Private _____

4. Principal Contractor: _____ Tel. (_____) _____
 Address _____ e-mail _____

License No. OR, if new home, Builder Reg. No. _____ Exp. Date _____

NJR Home Services

1415 Wyckoff Rd., Wall NJ 07719
 Tel. 1.877.466.3657 Fax. 732-933-3010
 Contractor License No. 13VH00361500
 Federal Employee No. 22-3609806

JOSEPH MARAZZO TEL. 732-919-8090

V. FEE SUMMARY (for office use only)

		Update	Update
1. Building	\$	<u>40-</u>	☒
2. Electrical		<u>45-</u>	☒
3. Plumbing			
4. Fire Protection			
5. Elevator Devices			
6. Subtotal			
7. Less 20% for State Plan Review	\$		
8. Subtotal	\$		
9. State Permit Surcharge Fee	\$	<u>6-</u>	
10. Subtotal	\$		
11. Cert. of Occupancy			
12. Other			
13. TOTAL	\$	<u>141-</u>	

VI. BUILDING/SITE CHARACTERISTICS

	(office use only)
1. Number of Stories	_____
2. Height of Structure	_____ ft.
3. Area — Largest Floor	_____ sq. ft.
4. New Building Area	_____ sq. ft.
5. Volume of New Structure	_____ cu. ft.
6. Max. Live Load	_____
7. Max. Occupancy Load	_____
8. If Industrialized Building: State Approved _____ HUD _____	
9. Total Land Area Disturbed	_____ sq. ft.
10. Flood Hazard Zone	_____
11. Base Flood Elevation	_____ ft.
12. Wetlands yes _____ no _____	

IIa. PROPOSED WORK

- ☐ Minor Work ☐ New Building ☐ Addition ☐ Demolition
☐ Repair ☐ Alteration ☐ Renovation ☐ Reconstruction
☐ Asbestos Abat. -Subch. 8 ☐ Lead Hazard Abatement ☐ Radon Remediation ☐ Annual Permit

IIb. SUBCODES

(Check all that apply)

- ☐ Building
☐ Electrical
☐ Plumbing
☐ Fire Protection
☐ Elevator

FOR OFFICE USE ONLY (Optional)

Est. Cost	Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates Approval	Rejection	Re-viewer
		<u>DEC 06 2013</u>						
				<u>12-9-13</u>	<u>JK</u>			
				<u>12-12-13</u>	<u>21</u>			
				<u>12-11-13</u>	<u>JK</u>			

TOTAL COST

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL (primary use)

1. State Specific Use: _____
2. Use Group, Proposed: _____
3. Change in Use Group, Indicate Present: _____
4. No. of dwelling units: Total Units Income-restricted
- Gained, Sale _____
 Gained, Rental _____
 Lost, Sale _____
 Lost, Rental _____

B. NON-RESIDENTIAL (primary use)

1. State Specific Use: _____
2. Use Group, Proposed: _____
3. Change in Use Group, Indicate Present: _____

C. MIXED USE -List secondary use(s):

D. Construct. Classification: Present _____

Proposed _____

III. PLAN REVIEW (optional)

DO YOU WANT:

- ☐ Partial Releases
☐ Prototype Processing

IV. DOES OR WILL YOUR BUILDING CONTAIN ANY OF THE FOLLOWING?

- ☐ Elevators/Escalators/Lifts/ Dumbwaiters/Moving Walks
☐ High Pressure Boilers
☐ Pressure Vessels
☐ Refrigeration Systems
☐ Cross-Connections/Backflow Preventers
☐ Hazardous Uses/Places of Assembly
☐ Sprinklers/Standpipes
☐ Smoke Control Systems in Open Wells
☐ Underground Storage Tanks
☐ Swimming Pools, Spas and Hot Tubs
☐ LPGas Tanks
☐ Fire Alarm

CERTIFICATION IN LIEU OF OATH

I. OWNER SECTION (to be completed if the applicant is the owner in fee)

I hereby certify that I am the owner in fee of the property listed on Page 1.

Mark the following applicable boxes:

- A. ☐ I further certify that a new home (private residence) will be constructed on this property for my own use and occupancy. This dwelling is to be occupied by myself and is not to be used for any purpose other than single family residential use. I attest that all construction, plumbing, or electrical work will be done, in whole or in part, by me or by subcontractors under my supervision, in accordance with all applicable laws; and, I further acknowledge that said new home is not covered under the New Home Warranty and Builders Registration Act (N.J.S.A. 46:3B-1 et seq.) and that such fact shall be disclosed to any person purchasing this property within ten years of the date of issuance of a certificate of occupancy.

I UNDERSTAND THAT IN MARKING BOX A, I ACKNOWLEDGE THAT I AM ASSUMING RESPONSIBILITY FOR THE WORK DONE ON SAID PROPERTY, THE CONDITION OF THE PROPERTY PRIOR TO, DURING, AND AFTER ANY WORK PERFORMED, AND FOR THE PERFORMANCE OF THE SUBCONTRACTORS I HIRE, EMPLOY, OR OTHERWISE CONTRACT OR WITH WHOM I MAKE AGREEMENTS TO PERFORM WORK. I AM VOLUNTARILY AND KNOWINGLY ASSUMING THIS RESPONSIBILITY.

- B. ☐ I further certify the following as required by the New Jersey Uniform Construction Code, N.J.A.C. 5:23-2.15(f)1.ix:

I personally prepared the plans submitted for: 1) the new home referred to in A.; or, 2) an addition, alteration, renovation, or repair to an existing single family residence owned and occupied by myself and located on the property listed on Page 1; or, 3) a new structure that will be physically separate from, but that will be deemed part of, an existing single family residence that is owned and occupied by myself and located on the property listed on Page 1.

- C. ☐ I further certify that I will perform or supervise the following work:

C.1. ☐ Building C.2. ☐ Fire Protection

I further certify that I will perform the following work:

C.3. ☐ Electrical C.4. ☐ Plumbing

- D. ☐ I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I understand that if any of the above statements are willfully false, I am subject to punishment.

Signature _____ Date _____

II. AGENT SECTION (to be completed if the applicant is not the owner in fee)

I hereby certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(d): the proposed work is authorized by the owner in fee; and I have been authorized by the owner in fee to make this application as his agent.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

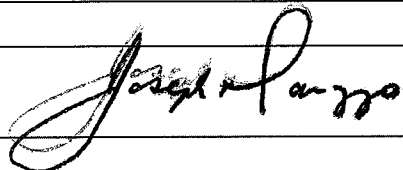
I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I understand that if any of the above statements are willfully false, I am subject to punishment.

☐ Check if contractor.

JJR Home Services
415 Wyckoff Rd., Wall NJ 07719
Tel. 1.877.466.3657 Fax. 732-938-3010
Contractor License No. 13VH00361500
Federal Employee No. 22-3609806

JOSEPH MARAZZO TEL. 732-919-8090



III. ☐ LEAD HAZARD ABATEMENT: Include Homeowner or Building Owner Affidavit as per N.J.A.C. 5:17.



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723

Date Issued 05/15/2014
Control Number C-13-006746
Permit Number 13-5204
Permit Issue Date 12/18/2013
Certificate Number 13-5204

Certificate

Construction Code Division
(Certificate of Approval)

Identification

Work Site Location: 1657 W. PRINCETON AVE. Brick Township, NJ Block: 831 Lot: 10 Qual: _____
Owner in Fee: ABEL, GRAHAM & ANNA M.
Owner Address: 1657 W. PRINCETON AVE. BRICK NJ 08724
Telephone: (732) 206-0752
Contractor: NJR HOME SERVICES
Address: 1415 WYCKOFF ROAD WALL NJ 07719
Telephone: (732) 919-8172 Fax: (732) 938-3010
License Number or Builders Registration Number: 12312 13VH00361500 Federal Emp. Number: 22-3609806

Home Warranty Number: _____

Type of Warranty Plan: ☐ State ☐ Private

Use Group: R-5 Construction Classification: _____

Maximum Live Load: 0 Maximum Occupancy Load: 0

Description of Work/Use: REPLACEMENT HOT AIR FURNACE

Certificate Comments:

☐ **Certificate of Occupancy**

This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

☒ **Certificate of Approval**

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work; this certificate was based upon what was visible at the time of inspection.

☐ **Certificate of Continued Occupancy**

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

☐ **Temporary Certificate of Compliance**

The following conditions must be met no later than or the owner will be subject to fine or order to vacate:

This certificate has an expiration date of:

Conditions to be met:

☐ **Certificate of Clearance - Lead Abatement 5:17**

This serves notice that based on written certification, lead abatement was performed as per NJAC5:17 to the following extent.

☐ Total removal of lead-based paint hazards in scope of work

☐ Partial or limited time period (years); see file

☐ **Certificate of Clearance - Asbestos Abatement**

This serves notice that based on written certification, asbestos abatement was performed to the following extent.

☐ Total removal of asbestos hazards in scope of work

☐ Partial or limited time period (years); see file

☐ **Certificate of Compliance**

This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until

☐ **Temporary Certificate of Occupancy**

The following conditions must be met no later than: or the owner will be subject to fine or order to vacate:

This certificate has an expiration date of:

Conditions to be met:

Construction Official

Fee: \$0.00

Check Number: _____

Collected By: _____

Date Printed: 05/15/2014

U.C.C. F260 (rev. 08/05)

Page 1



PLUMBING SUBCODE TECHNICAL SECTION



A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 831 Lot 10 Qualification Code _____
Work Site Location 1657 W Princeton Ave
Brick

Owner in Fee: Amma Abel
Tel. (732) 206-0752 e-mail _____

Address _____
Contractor: NJR HOME SERVICES municipality _____ Tel. (732) 919-8090 zip code _____
Address 1415 WYCKOFF RD e-mail _____
WALL NJ 07719

Contractor License No. _____ Exp. Date _____
Home Improvement Contractor Registration No. or Exemption Reason (if applicable): 13VH00361500
Federal Emp. ID No. 22-3609806 FAX: (732) 938-3010

B. PLUMBING CHARACTERISTICS
Use Group Present X Proposed _____
Building Sewer Size _____ Public Sewer _____ Private Septic _____
Water Service Size _____ Public Water _____ Private Well _____
Est. Cost of Plumbing Work \$ 1,056.00

JOB SUMMARY (Office Use Only)				
PLAN REVIEW				
INSPECTIONS	Dates (Month/Day)			
Type:	Failure	Failure	Approval	Initial
☐ No Plans Required	Slab			
☐ Partial - Underslab Utilities Approved	Rough			
Date: _____ Approved by: _____	Water			
☐ Plumbing Plans Approved	Sewer			
Date: _____ Approved by: _____	Fixtures			
Joint Plan Review Required:	Gas Equipment			
☐ Bldg. ☐ Elec. ☐ Fire. ☐ Elev.	Gas Piping			
SUBCODE APPROVAL FOR PERMIT	LP Gas Tank			
Date: <u>12-12-13</u>	Fuel Oil Piping			
Approved by: <u>AB</u>	Solar			
SUBCODE APPROVAL FOR CERTIFICATE	TCO			
☐ CO ☐ CCO ☐ CA	Final			
Date: <u>5-13-14</u>				
Approved by: <u>AB</u>				

C. CERTIFICATION IN LIEU OF OATH
I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.
Applicant sign/Contractor sign and seal here: [Signature]
Print name here: Joe Marrazz
☐ Licensed Plumbing Contractor ☒ Exempt Applicant

D. TECHNICAL SITE DATA	
DESCRIPTION OF WORK	
DIRECT REPLACEMENT OF GAS FURNACE	
QTY.	FIXTURE/EQUIPMENT
	Water Closet
	Urinal/Bidet
	Bath Tub
	Lavatory
	Shower
	Floor Drain
	Sink
	Dishwasher
	Drinking Fountain
	Washing Machine
	Hose Bibb
	Water Heater
	Fuel Oil Piping
	Gas Piping
	LP Gas Tank
	Steam Boiler
	Hot Water Boiler
	Sewer Pump
	Interceptor/Separator
	Backflow Preventer
	Greasetrap
	Sewer Connection
	Water Service Connection
	Stacks
	Furnace <u>100/80</u>
	Other

Date Received 12/18/13
Control # 13.5204
Date Issued _____
Permit # _____

FEE (Office Use Only)	
Administrative Surcharge	\$ _____
Minimum Fee	\$ _____
State Permit Surcharge Fee	\$ _____
TOTAL FEE	\$ _____

2-19-14

see D Vent -
unconditional space

✓ P tech

12-5-13



ELECTRICAL SUBCODE TECHNICAL SECTION



A. IDENTIFICATION - APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 831

Lot 10

Qualification Code

Work Site Location 1657 W Princeton Ave
Brick

Owner in Fee: Anna Abel

Tel. (732) 206-0752

e-mail

Address:

Contractor: NJR HOME SERVICES
1415 WYCKOFF RD
WALL, NJ 07719

Tel. (732) 938-1105
e-mail

Contractor License No. 12312

Exp. Date 3/15

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): 13VH00361500
Federal Emp. ID No. 22-3609806
FAX: (732) 938-3010

B. ELECTRICAL CHARACTERISTICS

Use Group Present ☒ Proposed ☐

☐ Pole/Pad # ☐ Temporary ☐ Other
Building Occupied as Utility Co.

Est. Cost of Elec. Work \$ 1,056.00

JOB SUMMARY (Office Use Only)		INSPECTIONS		Dates (Month/Day)	
PLAN REVIEW	NO Plans Required	Types	Features	Features	Approval
☒ No Plans Required	12-4-13 JK	Rough			
☒ Partial Under-slab Utilities Approved		Barrier-Free			
Date: Approved by:		Trench			
☒ Electric Plans Approved		Temp. Serv.			
Date: Approved by:		Conserv. Serv.			
Joint Plan Review Required:		ICO			
☒ 1 Bldg. ☒ 1 Plumb. ☒ 1 Fire. ☒ 1 Elec.		Other			
SUBCODE APPROVAL FOR PERMIT		Services			
Date: 12/10/13		Final			
Approved by: 53/ld		Barrier-Free			
SUBCODE APPROVAL FOR CERTIFICATE		Temp. Cur-in-Card Date Issued			
☒ CO ☒ CCO		Final Cur-in-Card Date Issued			
Date: 2014 11 29		Annual Pool Inspection			
Approved by: [Signature]		Date of Grounding and Bonding			
		Certification			

U.C.C. F120 (rev. 11/09)

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Applicant sign/Contractor sign and seal here:

Print name here: Daniel J Neary
X Licensed Elec. Contractor [] Certifd Landscape Irrigation Contr. [] Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK:

DIRECT REPLACEMENT OF GAS FURNACE

QTY. SIZE ITEMS

- Lighting Fixtures
- Receptacles
- Switches
- Detectors
- Light Poles
- Motors - Fract. HP
- Emergency & Exit Lights
- Communications Points
- Alarm Devices/F.A.C. Panel

TOTAL NUMBERS

- Pool Permit/With UW Lights
- Storable Pool/Spa/Hot Tub
- KW Elec. Range/Receptacle
- KW Oven/Surface Unit
- KW Elec. Water Heater
- KW Elec. Dryer/Receptacle
- KW Dishwasher
- HP Garbage Disposal
- KW Central A/C Unit
- HP/KW Space Heater/Air Handler
- KW Baseboard Heat
- HP Motors 1/4 HP
- KW Transformer/Generator
- AMP Service
- AMP Subpanels
- AMP Motor Control Center
- KW Elec. Sign/Outline Light
- Furnace

Date Received
Control #
Date Issued
Permit #

13.5204
10/18/13

Administrative Surcharge \$
Minimum Fee \$
State Permit Surcharge Fee \$
TOTAL FEE \$

To reader call: ALLEGRA
Marketing • Print • Mail
(609) 390-1400



FIRE PROTECTION SUBCODE TECHNICAL SECTION



A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 831 Lot 10 Qualification Code

Work Site Location 1657 W Princeton Ave Brick

Owner in Fee: Anna Abel

Tel. (732) 206-0752

e-mail

Address

Contractor: NJR HOME SERVICES

municipality

Tel. (732) 919-8090

Address 1415 WYCKOFF RD

e-mail

WALL, NJ 07719

Fire Protection Equipment, NJ Div of Fire Safety Permit No.

Fire Protection Equipment, NJ Div of Fire Safety Installer No.

Fire Alarm Contractor No.

Exp. Date

13VH00361500

Home Improvement Contractor Registration No. or Exemption Reason (if applicable):

Federal Emp. ID No. 22-3609806

FAX: (732) 938-3010

B. FIRE PROTECTION CHARACTERISTICS

Use Group: Present X Proposed

Fuel Storage Tank:

Constr. Class: Present Proposed

Fuel Type: [] Flammable or [] Combustible

Heating System: [X] New or [] Modification to Existing

Fire Alarm System: [] New or [] Existing

or [] Conversion or [] Replacement

Fuel Type: [X] Gas [] Oil [] Electric [] Solar

Location of Panel: [] New or [] Existing

[] Other

Location of Main Control Valve:

Location:

Total Cost of Fire Protection Work \$ 1,056.00

JOB SUMMARY (Office Use Only)

PLAN REVIEW

[] No Plans Required

Type:

Failure

Failure

Approval

Initial

[] Partial -Underslab Utilities Approved

Alarm System

Date: Approved by:

Suppression Sys.

[] Fire Protection Plans Approved

Standpipe

Date: Approved by:

Fire Pump

Joint Plan Review Required:

Pre-Eng. System

[] Bldg. [] Elec. [] Plumb. [] Elev.

Mechanical

SUBCODE APPROVAL for PERMIT

Smoke Control

Date: 12-11-13

TCO

Approved by: [Signature]

Flam/Combust Tanks

SUBCODE APPROVAL for CERTIFICATE

Fireplace Venting

[] CO [] LCCO [] CA

Final

Approved by: [Signature]

Other

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Applicant sign/Contractor sign and seal here:

Print name here:

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK:

Water Supply Source DIRECT REPLACEMENT OF GAS FURNACE

Method of Alarm/Suppression System Supervision

Date Received

Control # 13.5204

Date Issued

Permit # 12/18/13

Permit #

NUMBER

FEE (Office Use Only)

Flammable/Combustible Tanks

Alarm Systems

[] System

[] 110v Interconnected

[] CO Detectors/110v

Alarm Devices (i.e., smoke, heat, pulls, water/flow)

Supervisory Devices (i.e., tamper, low/high air)

Signaling Devices (i.e., horns/strobes, bells)

Other Devices

TOTAL

Suppression Systems

Fire Pump GPM Type

Dry Pipe/Alarm Valves

Pre-action Valves

Sprinkler Heads (Dry and Wet)

Standpipes

Pre-engineered Systems

Wet Chemical

Dry Chemical

CO₂ Suppression

Foam Suppression

FM200 Suppression

Other

Other Systems

Kitchen Hood Exhaust System

Smoke Control System

Fuel-Fired Appliances [X] Gas [] Oil [] Solid

Fireplace Venting/Metal Chimney

To reprint call (609) 390-1400

ALLEGRA

Marketing • Print • Mail

Administrative Surcharge \$

Minimum Fee \$

State Permit Surcharge Fee \$

TOTAL FEE \$

1/29/14

knobbed - ring back mid time

9:17

No Access

car in driveway

(F) tech



CONSTRUCTION PERMIT

Date Issued 12/18/13
Control # C-13-006746
Permit # 13-5204

IDENTIFICATION Block: 831 Lot: 10 Qualifier _____
Work Site Location: 1657 W. PRINCETON AVE. Brick Township, NJ Contractor NJR HOME SERVICES
Address 1415 WYCKOFF ROAD WALL NJ 07719
Owner in Fee ABEL GRAHAM & ANNA M.
1657 W. PRINCETON AVE. BRICK NJ 08724 Telephone: (732) 919-8172
Telephone: (732) 206-0752 Lic. No. or Bldrs. Reg. No. 16095
Federal Employee. No. 22-3609806

Is hereby granted permission to perform the following work:

- ☐ BUILDING ☒ PLUMBING ☐ LEAD HAZARD ABATEMENT
☒ ELECTRICAL ☒ FIRE PROTECTION ☐ DEMOLITION
☐ ELEVATOR DEVICES ☐ ASBESTOS ABATEMENT (Subchapter 8 only) ☐ OTHER

DESCRIPTION OF WORK:

REPLACEMENT HOT AIR FURNACE

Note: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Estimated Cost of Work \$3,168

Daniel Newman Jr.
Construction Official

12/13/13
Date

U.C.C. F170
equiv (rev 1/04)

1 WHITE - INSPECTOR

2 CANARY - OFFICE

3 PINK - TAX ASSESSOR

4 GOLD - APPLICANT

PAYMENTS (Office Use Only)

Building	\$0
Electrical	\$40
Plumbing	\$50
Fire Protection	\$45
Elevator Devices	\$0
Other	\$0.00
DCA Training Fee	\$6
CO Fee	
Other	\$0
Total	\$141
Check No.	<u>28874</u>
Cash	\$0
Credit	\$0
Collected By	

REQUIRED INSPECTIONS

Construction work must be inspected in accordance with the State Uniform Construction Code Regulations N.J.A.C. 5:23-2.18. This agency will carry out such periodic inspections during the progress of work as are necessary to insure that the work installed conforms with the requirements of the Uniform Construction Code.

The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below. Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been inspected and approval granted.

- ☒ Required inspections for all subcodes for one- and two-family dwellings are as follows:

1. The bottom of footing trenches before placement of footings, except that in cases of pile foundations, inspections shall be made in accordance with the requirements of the building subcode. #5204
#40.00
2. Foundations and all walls up to grade level prior to back filling. PLUMBING
#50.00
3. All structural framing, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place after the rough electrical and plumbing inspections and after the installation of the heating ventilation and /or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish material. FIRE
#45.00
#6.00
#141.00
4. Installation of all finished materials, sealings of exterior joints, plumbing piping, trim and fixtures; electrical wiring, devices and fixtures; mechanical systems equipment.

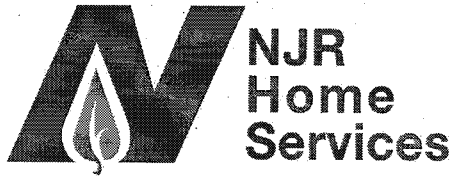
Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat producing devices and Barrier Free subcode accessibility, if applicable.

- ☐ Required special inspections. The applicant by accepting the permit will be deemed to have consented to these requirements:

- ☒ A final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issued. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provision of the adopted subcodes, Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5:23-3.5, "Posting structures".

- ☐ A complete copy of released plans must be kept on the job site.

If you do not understand any of this information, please ask.



Lot - 10
Block-831

New Unit-

- ☐ Input- 100K
- ☐ Output-80K
- ☐ Efficiency-80%

Old Unit-

- ☐ Input-120K
- ☐ Output-72K
- ☐ Efficiency-60%

Thank you
Carrie



CHIMNEY VERIFICATION FOR REPLACEMENT OF FUEL-FIRED EQUIPMENT

BLOCK 831 LOT 10 QUALIFICATION CODE _____ PERMIT # _____

WORK SITE ADDRESS 1657 W PRINCETON Ave

Owner in Fee ANNA ABER

Verifying Individual Joseph Marazzo Company NJR Home Services

Address 1415 Wyckoff Rd Wall 07719
Street City State Zip Code

Tel: (732) 919-8172 Fax: (732) 938-3010

Check the Appropriate Box(es):

Type of Replacement:

- ☐ Oil to Gas Conversion
☐ Gas to Oil Conversion
☒ Gas Appliance Replacement
☐ Oil to Oil Replacement
☐ Other _____

Existing Vent/Chimney:

- Size _____
☐ "B" Label Vent ☒ Chimney-Interior
☐ "L" Label Vent ☐ Chimney-Exterior
☐ Flexible Liner ☐ Masonry Chimney-Tile Lined
☐ Power Vent/Exhauster ☐ Masonry Chimney-Unlined
☐ Other _____

Type _____ Fuel Type _____ BTU Rating (input/hour) _____
Appliance 1: FURNACE Oil / Gas / Other: GAS 100K
Appliance 2: _____ Oil / Gas / Other: _____
Appliance 3: _____ Oil / Gas / Other: _____

CHIMNEY LINER

If a chimney liner is being installed, all documentation on the liner must accompany the Permit application.

Manufacturer: _____ Model: _____ UL Listing: _____

Material of Liner: Stainless Steel _____ Aluminum _____

Size of Appliance Vent: _____ Size of Liner: _____ Height of Chimney: _____

Length of Connector: _____ Vent Connector Rise: _____

How does the appliance vent? ☐ Natural Draft ☐ Fan-assisted ☐ Other: _____

PLEASE SIGN ONE OF THE FOLLOWING VERIFICATION STATEMENTS

For Oil or Coal to Gas Conversions:

I have verified that the chimney/vent is in good repair and clear of obstruction and is substantially clean of residue from its previous use serving an oil or coal appliance. I have verified that the chimney/vent is appropriately lined and sized for the appliance(s) being installed.

Signature _____ Date _____

Oil to Oil or Gas to Gas Replacements or New/Additional Appliances:

I have verified that the existing chimney/vent is in good repair and clear of obstruction. I have verified that the existing chimney/vent is appropriately lined and sized for the appliance(s) being installed and/or remaining.

Signature JM Date 12/5/13

Direct Vent Appliance:

I hereby verify that the appliance(s) being installed is a direct vent appliance. I further verify that the existing chimney/vent is appropriately lined and sized for any remaining appliances.

Signature _____ Date _____

Verification Not Submitted:

I choose not to submit verification. I understand that I will be required to be present for the inspection to remove and reinstall the chimney vent connector.

Signature _____ Date _____

FOR MINOR AND EMERGENCY WORK, THIS FORM MUST BE PROVIDED WITH YOUR PERMIT APPLICATION. FOR ALL OTHER WORK, THIS FORM MUST BE PRESENTED TO THE CODE OFFICIAL PRIOR TO FINAL INSPECTION.

All applicable information requested on this form must be supplied.

This form may not be submitted by a homeowner in lieu of the required inspection.

THIS DOCUMENT IS PRINTED ON WATERMARKED PAPER WITH A MULTI-COLORED
BACKGROUND AND MULTIPLE SECURITY FEATURES. PLEASE VERIFY AUTHENTICITY.

NOT AN
ELECTRICIAN'S
OR PLUMBER'S
LICENSE

State Of New Jersey
New Jersey Office of the Attorney General
Division of Consumer Affairs

THIS IS TO CERTIFY THAT THE
Division of Consumer Affairs

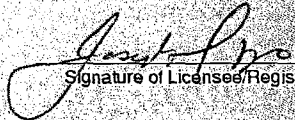
HAS REGISTERED

NJR Home Services Company
Joseph Marazzo
1415 Wyckoff Road
Wall NJ 07719

FOR PRACTICE IN NEW JERSEY AS A(N): **Home Improvement Contractor**

11/08/2013 TO 12/31/2014
VALID

13VH00361500
LICENSE/REGISTRATION/CERTIFICATION #


Signature of Licensee/Registrant/Certificate Holder


DIRECTOR



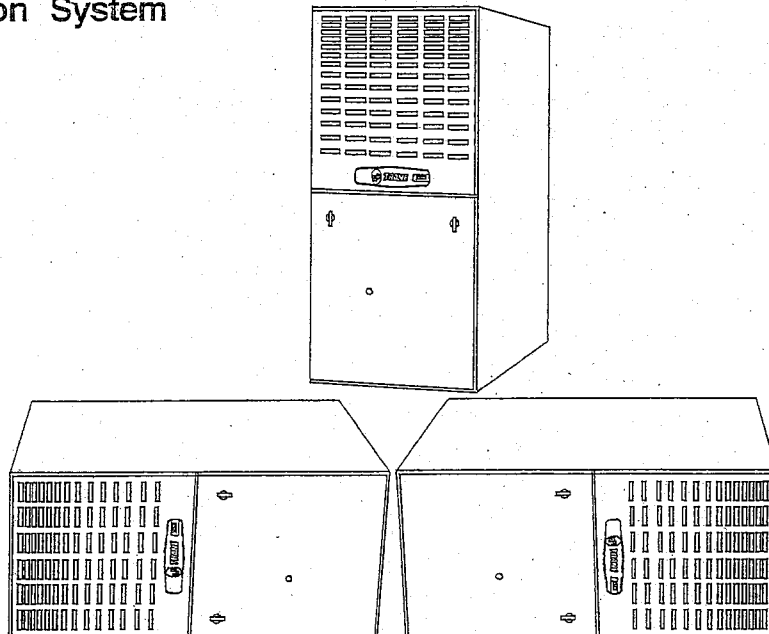
TRANE®

Upflow/Horizontal Right or Upflow/Horizontal Left Induced Draft Gas Furnace

XR 80

TUD1A040A9241A, TUD1A040A9301A, TUD1A060A9241A,
TUD1A060A9361A, TUD1B060A9361A, TUD1B080A9241A,
TUD1B080A9361A, TUD1B080A9481A, TUD1C080A9601A,
TUD1B100A9361A, TUD1B100A9451A, TUD1C100A9481A,
TUD1C100A9601A, TUD1D100A9721A, TUD1C120A9541A,
TUD1D120A9601A, TUD1D140A9601A

Single-Stage Fan Assisted
Combustion System



PUB. NO. 22-1640-09



General Features

NATURAL GAS MODELS

Central Heating furnace designs are certified by the American and Canadian Gas Associations for both natural and L.P. gas. Limit setting and rating data were established and approved under standard rating conditions using American National Standards Institute standards.

SAFE OPERATION

The Integrated System Control has solid state devices, which continuously monitor for presence of flame, when the system is in the heating mode of operation. Dual solenoid combination gas valve and regulator provide extra safety.

QUICK HEATING

Durable, cycle tested, heavy gauge **aluminized steel heat exchanger** quickly transfers heat to provide warm conditioned air to the structure.

BURNERS

Multiport Inshot burners will give years of quiet and efficient service. All models can be converted to **L.P. gas**.

INTEGRATED SYSTEM CONTROL

Exclusively designed operational program provides total control of furnace limit sensors, blowers, gas valve, flame control and includes self diagnostics for ease of service. Also contains connection points for E.A.C./humidifier.

AIR DELIVERY

The 4-speed, direct drive blower motor, has sufficient airflow for most heating and cooling requirements, will switch from

heating to cooling speeds on demand from room thermostat. The blower door safety switch will prevent or terminate furnace operation when the blower door is removed.

STYLING

Heavy gauge steel and "wrap-around" cabinet construction is used in the cabinet with baked-on enamel finish for strength and beauty. The heat exchanger section of the cabinet is completely lined with foil faced fiberglass insulation. This results in quiet and efficient operation due to the excellent acoustical and insulating qualities of fiberglass.

FEATURES AND

GENERAL OPERATION

The XR 80 High Efficiency Gas Furnaces employs an adaptive Hot Surface Ignition system, which eliminates the waste of a constant burning pilot. The integrated system control lights the main burners upon a demand for heat from the room thermostat. Complete front service access.

- a. Low energy power venter
- b. Vent proving pressure switch.



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TUD1B060A9361A	6
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Features and Benefits

XR 80 UPFLOW/HORIZONTAL RIGHT or LEFT

STANDARD EQUIPMENT

- Power supply 115/1/60
- Multi-port In-shot burners
- Integrated solid state control with self diagnostics
- Silicon Nitride hot surface igniter with adaptive heat up
- Complete front service access
- Heavy guage aluminized steel heat exchanger
- Slide out blower assembly
- Blower door safety switch
- Direct drive, 4-speed motor
- Optional L.P. conversion kit
- Common vent
- Alternate bottom/left/right return air
- Hinged blower door
- Perfect Fit door latches
- Gasketed blower door
- Single wire twinning
- Selectable cooling fan off delay
- Left-right gas connection
- Optional L.P. conversion kit
- Common vent capability
- 24 volt fuse
- Manual reset flame roll out switches
- Insulated blower door
- Insulated blower compartment
- Accessory hook-up capability - Hum and EAC
- Blower door safety switch
- **Non-prorated 20-year heat exchanger limited warranty**
- **5-year limited parts warranty**

XR 80 OPTIONAL EQUIPMENT

Thermostat	BAYSTAT388 []
Thermostat, Heating/Cooling Single Stage (Mounts Horizontally)	AY28X092 []
Thermostat, Heating/Cooling Single Stage (Mounts Vertically)	BAYSTAT305 []
Thermostat, Electronic Programmable 1-Stage Heating/1-Stage Cooling	TAYSTAT300C []
Propane Conversion Kit	BAYLPKT210A []
Electronic Air Filter, "Perfect Fit" Super Efficiency (14-1/2" Wide Gas Furnace)	TFE145A9FR1 []
Electronic Air Filter, "Perfect Fit" Super Efficiency (17-1/2" Wide Gas Furnace)	TFE175A9FR1 []
Electronic Air Filter, "Perfect Fit" Super Efficiency (21" Wide Gas Furnace)	TFE210A9FR1 []
Electronic Air Filter, "Perfect Fit" Super Efficiency (24-1/2" Wide Gas Furnace)	TFE245A9FR1 []
Electronic Air Filter, "Perfect Fit" High Efficiency (14-1/2" Wide Gas Furnace)	TFM145A9FR1 []
Electronic Air Filter, "Perfect Fit" High Efficiency (17-1/2" Wide Gas Furnace)	TFM175A9FR1 []
Electronic Air Filter, "Perfect Fit" High Efficiency (21" Wide Gas Furnace)	TFM210A9FR1 []
Electronic Air Filter, "Perfect Fit" High Efficiency (24-1/2" Wide Gas Furnace)	TFM245A9FR1 []
Electronic Air Filter, "Perfect Fit" Standard Efficiency (17-1/2" Wide Gas Furnace)	TFP175A9FR01 []
Electronic Air Filter, "Perfect Fit" Standard Efficiency (21" Wide Gas Furnace)	TFP210A9FR01 []
Electronic Air Filter, "Perfect Fit" Standard Efficiency (24-1/2" Wide Gas Furnace)	TFP245A9FR01 []
Coil Enclosure (14-1/2" Wide Cabinets)	BAYCLE1400C []
Coil Enclosure (17-1/2" Wide Cabinets)	BAYCLE1700C []
Coil Enclosure (21" Wide Cabinets)	BAYCLE2100C []
Coil Enclosure (24-1/2" Wide Cabinets)	BAYCLE2400C []
High Altitude Pressure Switch Kit	BAYHALT248 []
Masonry Chimney Vent Kit	BAYVENT800B []
Filter Rack Kit	BAYRACK960A []

**TRANE®**

General Data

PRODUCT SPECIFICATIONS ①

MODEL	TUD1A040A9241A	TUD1A060A9241A	TUD1A040A9301A
TYPE	Upflow / Horizontal	Upflow / Horizontal	Upflow / Horizontal
RATINGS ②			
Input BTUH	40,000	60,000	40,000
Capacity BTUH (ICS) ③	32,000	47,000	32,000
AFUE	80.0	80.0	80.0
Temp. rise (Min.-Max.) °F.	30 - 60	35 - 65	30 - 60
BLOWER DRIVE			
Diameter - Width (In.)	10 x 6	10 x 6	10 x 6
No. Used	1	1	1
Speeds (No.)	4	4	4
CFM vs. In. w.g.	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table
Motor HP	1/5	1/5	1/3
R.P.M.	1080	1080	1075
Volts / Ph / Hz	115/1/60	115/1/60	115/1/60
COMBUSTION FAN - Type			
Drive - No. Speeds	Centrifugal Direct - 1	Centrifugal Direct - 1	Centrifugal Direct - 1
Motor HP - RPM	1/50 - 3000	1/50 - 3000	1/50 - 3000
Volts / Ph / Hz	115/1/60	115/1/60	115/1/60
FLA	1.0	1.0	1.0
FILTER — Furnished?			
Type Recommended	No	No	No
Hi Vel. (No.-Size-Thk.)	High Velocity 1 - 16x25 - 1in.	High Velocity 1 - 16x25 - 1in.	High Velocity 1 - 16x25 - 1in.
VENT — Size (in.)			
	4 Round	4 Round	4 Round
HEAT EXCHANGER			
Type-Fired	Aluminized Steel - Type I	Aluminized Steel - Type I	Aluminized Steel - Type I
-Unfired			
Gauge (Fired)	20	20	20
ORIFICES — Main			
Nat. Gas. Qty. — Drill Size	2 — 45	3 — 45	2 — 45
L.P. Gas Qty. — Drill Size	2 — 56	3 — 56	2 — 56
GAS VALVE			
	Redundant - Single Stage	Redundant - Single Stage	Redundant - Single Stage
PILOT SAFETY DEVICE			
Type	Hot Surface Ignition	Hot Surface Ignition	Hot Surface Ignition
BURNERS — Type			
	Multiport Inshot	Multiport Inshot	Multiport Inshot
Number	2	3	2
POWER CONN. — V / Ph / Hz ④			
	115/1/60	115/1/60	115/1/60
Ampacity (In Amps)	6.3	10.4	6.3
Max Overcurrent Protection (Amps)	15	15	15
PIPE CONN. SIZE (IN.)			
	1/2	1/2	1/2
DIMENSIONS			
	H x W x D	H x W x D	H x W x D
Crated (In.)	41-3/4 x 16-1/2 x 30-1/2	41-3/4 x 16-1/2 x 30-1/2	41-3/4 x 16-1/2 x 30-1/2
WEIGHT			
Shipping (Lbs.) / Net (Lbs)	119 / 110	124 / 115	122 / 113

① Central Furnace heating designs are certified by AGA and CSA.

② For U.S. applications, above input ratings (BTUH) are up to 2,000 feet, derate 4% per 1,000 feet for elevations above 2,000 feet above sea level. For Canadian applications, above input ratings (BTUH) are up to 4,500 feet, derate 4% per 1,000 feet for elevations above 4,500 feet above sea level.

③ Based on U.S. government standard tests.

④ The above wiring specifications are in accordance with National Electrical Code; however, installations must comply with local codes.



General Data

PRODUCT SPECIFICATIONS ①

MODEL	TUD1A060A9361A	TUD1B060A9361A	TUD1B080A9241A
TYPE	Upflow / Horizontal	Upflow / Horizontal	Upflow / Horizontal
RATINGS ②			
Input BTUH	60,000	60,000	80,000
Capacity BTUH (ICS) ③	47,000	47,000	64,000
AFUE	80.0	80.0	80.0
Temp. rise (Min.-Max.) °F.	30 - 60	30 - 60	50 - 80
BLOWER DRIVE	DIRECT	DIRECT	DIRECT
Diameter - Width (In.)	10 x 6	10 x 7	9 x 7
No. Used	1	1	1
Speeds (No.)	4	4	4
CFM vs. In. w.g.	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table
Motor HP	1/3	1/3	1/5
R.P.M.	1075	1075	1080
Volts / Ph / Hz	115/1/60	115/1/60	115/1/60
COMBUSTION FAN - Type	Centrifugal	Centrifugal	Centrifugal
Drive - No. Speeds	Direct - 1	Direct - 1	Direct - 1
Motor HP - RPM	1/50- 3000	1/50- 3000	1/50- 3000
Volts / Ph / Hz	115/1/60	115/1/60	115/1/60
FLA	1.0	1.0	1.0
FILTER — Furnished?	No	No	No
Type Recommended	High Velocity	High Velocity	High Velocity
Hi Vel. (No.-Size-Thk.)	1 - 16x25 - 1in.	1 - 17x25 - 1in.	1 - 17x25 - 1in.
VENT — Size (in.)	4 Round	4 Round	4 Round
HEAT EXCHANGER			
Type-Fired	Aluminized Steel - Type I	Aluminized Steel - Type I	Aluminized Steel - Type I
-Unfired			
Gauge (Fired)	20	20	20
ORIFICES — Main			
Nat. Gas. Qty. — Drill Size	3 — 45	3 — 45	4 — 45
L.P. Gas Qty. — Drill Size	3 — 56	3 — 56	4 — 56
GAS VALVE	Redundant - Single Stage	Redundant - Single Stage	Redundant - Single Stage
PILOT SAFETY DEVICE			
Type	Hot Surface Ignition	Hot Surface Ignition	Hot Surface Ignition
BURNERS — Type	Multiport Inshot	Multiport Inshot	Multiport Inshot
Number	3	3	4
POWER CONN. — V / Ph / Hz ④	115/1/60	115/1/60	115/1/60
Ampacity (In Amps)	9.0	9.0	10.4
Max Overcurrent Protection (Amps)	15	15	15
PIPE CONN. SIZE (IN.)	1/2	1/2	1/2
DIMENSIONS	H x W x D	H x W x D	H x W x D
Crated (In.)	41-3/4 x 16-1/2 x 30-1/2	41-3/4 x 19-1/2 x 30-1/2	41-3/4 x 19-1/2 x 30-1/2
WEIGHT			
Shipping (Lbs.) / Net (Lbs)	127 / 118	137 / 127	139 / 129

① Central Furnace heating designs are certified by AGA and CSA.

② For U.S. applications, above input ratings (BTUH) are up to 2,000 feet, derate 4% per 1,000 feet for elevations above 2,000 feet above sea level. For Canadian applications, above input ratings (BTUH) are up to 4,500 feet, derate 4% per 1,000 feet for elevations above 4,500 feet above sea level.

③ Based on U.S. government standard tests.

④ The above wiring specifications are in accordance with National Electrical Code; however, installations must comply with local codes.

**TRANE®**

General Data

PRODUCT SPECIFICATIONS ①

MODEL	TUD1B080A9361A	TUD1B080A9481A	TUD1C080A9601A
TYPE	Upflow / Horizontal	Upflow / Horizontal	Upflow / Horizontal
RATINGS ②			
Input BTUH	80,000	80,000	80,000
Capacity BTUH (ICS) ③	63,000	64,000	64,000
AFUE	80.0	80.0	80.0
Temp. rise (Min.-Max.) °F.	30 - 60	30 - 60	25 - 55
BLOWER DRIVE			
Drive	DIRECT	DIRECT	DIRECT
Diameter - Width (In.)	10 x 7	10 x 8	11 x 10
No. Used	1	1	1
Speeds (No.)	4	4	4
CFM vs. in. w.g.	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table
Motor HP	1/3	1/3	3/4
R.P.M.	1075	1075	1100
Volts / Ph / Hz	115/1/60	115/1/60	115/1/60
COMBUSTION FAN - Type			
Drive - No. Speeds	Centrifugal Direct - 1	Centrifugal Direct - 1	Centrifugal Direct - 1
Motor HP - RPM	1/50- 3000	1/50- 3000	1/50- 3000
Volts / Ph / Hz	115/1/60	115/1/60	115/1/60
FLA	1.0	1.0	1.0
FILTER — Furnished?			
Type Recommended	No	No	No
Hi Vel. (No.-Size-Thk.)	High Velocity 1 - 17x25 - 1in.	High Velocity 1 - 17x25 - 1in.	High Velocity 1 - 20x25 - 1in.
VENT — Size (in.)			
	4 Round	4 Round	4 Round
HEAT EXCHANGER			
Type-Fired	Aluminized Steel - Type I	Aluminized Steel - Type I	Aluminized Steel - Type I
-Unfired			
Gauge (Fired)	20	20	20
ORIFICES — Main			
Nat. Gas. Qty. — Drill Size	4 — 45	4 — 45	4 — 45
L.P. Gas Qty. — Drill Size	4 — 56	4 — 56	4 — 56
GAS VALVE			
	Redundant - Single Stage	Redundant - Single Stage	Redundant - Single Stage
PILOT SAFETY DEVICE			
Type	Hot Surface Ignition	Hot Surface Ignition	Hot Surface Ignition
BURNERS — Type			
	Multiport Inshot	Multiport Inshot	Multiport Inshot
Number	4	4	4
POWER CONN. — V / Ph / Hz ④			
	115/1/60	115/1/60	115/1/60
Ampacity (In Amps)	10.4	9.1	13.8
Max Overcurrent Protection (Amps)	15	15	15
PIPE CONN. SIZE (IN.)			
	1/2	1/2	1/2
DIMENSIONS			
	H x W x D	H x W x D	H x W x D
Crated (In.)	41-3/4 x 19-1/2 x 30-1/2	41-3/4 x 19-1/2 x 30-1/2	41-3/4 x 23 x 30-1/2
WEIGHT			
Shipping (Lbs.) / Net (Lbs)	142 / 132	142 / 132	162 / 151

②



General Data

PRODUCT SPECIFICATIONS ①

MODEL	TUD1B100A9361A	TUD1B100A9451A	TUD1C100A9481A	TUD1C100A9601A
TYPE	Upflow / Horizontal	Upflow / Horizontal	Upflow / Horizontal	Upflow / Horizontal
RATINGS ②				
Input BTUH	100,000	100,000	100,000	100,000
Capacity BTUH (ICS) ③	79,000	79,000	79,000	79,000
AFUE	80.0	80.0	80.0	80.0
Temp. rise (Min.-Max.) °F.	40 - 70	35 - 65	35 - 65	30 - 60
BLOWER DRIVE	DIRECT	DIRECT	DIRECT	DIRECT
Diameter - Width (In.)	10 x 7	10 x 8	10 x 8	11 x 10
No. Used	1	1	1	1
Speeds (No.)	4	4	4	4
CFM vs. in. w.g.	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table
Motor HP	1/3	1/3	1/2	1/2
R.P.M.	1075	1075	1075	1075
Volts / Ph / Hz	115/1/60	115/1/60	115/1/60	115/1/60
COMBUSTION FAN - Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Drive - No. Speeds	Direct - 1	Direct - 1	Direct - 1	Direct - 1
Motor HP - RPM	1/50- 3000	1/50- 3000	1/50- 3000	1/50- 3000
Volts / Ph / Hz	115/1/60	115/1/60	115/1/60	115/1/60
FLA	1.0	1.0	1.0	1.0
FILTER — Furnished?	No	No	No	No
Type Recommended	High Velocity	High Velocity	High Velocity	High Velocity
Hi Vel. (No.-Size-Thk.)	1 - 17x25 - 1in.	1 - 17x25 - 1in.	1 - 20x25 - 1in.	1 - 20x25 - 1in.
VENT — Size (in.)	4 Round	4 Round	4 Round	4 Round
HEAT EXCHANGER				
Type-Fired	Aluminized Steel - Type I	Aluminized Steel - Type I	Aluminized Steel - Type I	Aluminized Steel - Type I
-Unfired				
Gauge (Fired)	20	20	20	20
ORIFICES — Main				
Nat. Gas. Qty. — Drill Size	5 — 45	5 — 45	5 — 45	5 — 45
L.P. Gas Qty. — Drill Size	5 — 56	5 — 56	5 — 56	5 — 56
GAS VALVE	Redundant - Single Stage	Redundant - Single Stage	Redundant - Single Stage	Redundant - Single Stage
PILOT SAFETY DEVICE				
Type	Hot Surface Ignition	Hot Surface Ignition	Hot Surface Ignition	Hot Surface Ignition
BURNERS — Type	Multiport Inshot	Multiport Inshot	Multiport Inshot	Multiport Inshot
Number	5	5	5	5
POWER CONN. — V / Ph / Hz ④	115/1/60	115/1/60	115/1/60	115/1/60
Ampacity (In Amps)	10.4	10.4	11.6	12.8
Max Overcurrent Protection (Amps)	15	15	15	15
PIPE CONN. SIZE (IN.)	1/2	1/2	1/2	1/2
DIMENSIONS	H x W x D	H x W x D	H x W x D	H x W x D
Crated (In.)	41-3/4 x 19-1/2 x 30-1/2	41-3/4 x 19-1/2 x 30-1/2	41-3/4 x 23 x 30-1/2	41-3/4 x 23 x 30-1/2
WEIGHT				
Shipping (Lbs.) / Net (Lbs)	151 / 141	153 / 143	162 / 151	162 / 151

① Central Furnace heating designs are certified by AGA and CSA.

② For U.S. applications, above input ratings (BTUH) are up to 2,000 feet, derate 4% per 1,000 feet for elevations above 2,000 feet above sea level. For Canadian applications, above input ratings (BTUH) are up to 4,500 feet, derate 4% per 1,000 feet for elevations above 4,500 feet above sea level.

③ Based on U.S. government standard tests.

④ The above wiring specifications are in accordance with National Electrical Code; however, installations must comply with local codes.

**TRANE®**

General Data

PRODUCT SPECIFICATIONS ①

MODEL	TUD1D100A9721A	TUD1C120A9541A	TUD1D120A9601A	TUD1D140A9601A
TYPE	Upflow / Horizontal	Upflow / Horizontal	Upflow / Horizontal	Upflow / Horizontal
RATINGS ②				
Input BTUH	100,000	120,000	120,000	140,000
Capacity BTUH (ICS) ③	80000	96,000	96,000	111,000
AFUE	80.0	80.0	80.0	80.0
Temp. rise (Min.-Max.) °F.	30 - 60	35 - 65	30 - 60	40 - 70
BLOWER DRIVE	DIRECT	DIRECT	DIRECT	DIRECT
Diameter - Width (In.)	11 x 10	11 x 10	11 x 10	11 x 10
No. Used	1	1	1	1
Speeds (No.)	4	4	4	4
CFM vs. In. w.g.	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table
Motor HP	3/4	1/2	1/2	3/4
R.P.M.	1100	1075	1075	1075
Volts / Ph / Hz	115/1/60	115/1/60	115/1/60	115/1/60
COMBUSTION FAN - Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Drive - No. Speeds	Direct - 1	Direct - 1	Direct - 1	Direct - 1
Motor HP - RPM	1/50 - 3000	1/50 - 3000	1/50 - 3000	1/50 - 3000
Volts / Ph / Hz	115/1/60	115/1/60	115/1/60	115/1/60
FLA	1.0	1.0	1.0	1.0
FILTER — Furnished?	No	No	No	No
Type Recommended	High Velocity	High Velocity	High Velocity	High Velocity
Hi Vel. (No.-Size-Thk.)	1 - 24x25 - 1in.	1 - 20x25 - 1in.	1 - 24x25 - 1in.	1 - 24x25 - 1in.
VENT — Size (In.)	4 Round	4 Round	4 Round	4 Round
HEAT EXCHANGER				
Type-Fired	Aluminized Steel - Type I	Aluminized Steel - Type I	Aluminized Steel - Type I	Aluminized Steel - Type I
-Unfired				
Gauge (Fired)	20	20	20	20
ORIFICES — Main				
Nat. Gas. Qty. — Drill Size	5 — 45	6 — 45	6 — 45	7 — 45
L.P. Gas Qty. — Drill Size	5 — 56	6 — 56	6 — 56	7 — 56
GAS VALVE	Redundant - Single Stage	Redundant - Single Stage	Redundant - Single Stage	Redundant - Single Stage
PILOT SAFETY DEVICE				
Type	Hot Surface Ignition	Hot Surface Ignition	Hot Surface Ignition	Hot Surface Ignition
BURNERS — Type	Multiport Inshot	Multiport Inshot	Multiport Inshot	Multiport Inshot
Number	5	6	6	7
POWER CONN. — V / Ph / Hz ④	115/1/60	115/1/60	115/1/60	115/1/60
Ampacity (In Amps)	13.1	12.8	12.8	13.1
Max Overcurrent Protection (Amps)	15	15	15	15
PIPE CONN. SIZE (IN.)	1/2	1/2	1/2	1/2
DIMENSIONS	H x W x D	H x W x D	H x W x D	H x W x D
Crated (In.)	41-3/4 x 26-1/2 x 30-1/2	41-3/4 x 23 x 30-1/2	41-3/4 x 26-1/2 x 30-1/2	41-3/4 x 26-1/2 x 30-1/2
WEIGHT				
Shipping (Lbs.) / Net (Lbs)	175 / 163	176 / 164	186 / 174	193 / 181

① Central Furnace heating designs are certified by AGA and CSA.

② For U.S. applications, above input ratings (BTUH) are up to 2,000 feet, derate 4% per 1,000 feet for elevations above 2,000 feet above sea level. For Canadian applications, above input ratings (BTUH) are up to 4,500 feet, derate 4% per 1,000 feet for elevations above 4,500 feet above sea level.

③ Based on U.S. government standard tests.

④ The above wiring specifications are in accordance with National Electrical Code; however, installations must comply with local codes.



TRANE®

Performance Data

FURNACE AIRFLOW (CFM) VS. STATIC PRESSURE (ins. w.g.)										
MODEL	SPEED TAP	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90
TUD1A040A9241A	4 - HIGH - Black	1018	1004	982	950	910	860	802	763	680
	3 - MED.-HIGH - Blue	847	832	809	779	742	697	644	585	517
	2 - MED.-LOW - Yellow	716	701	678	648	610	585	512	452	384
	1 - LOW - Red	617	599	575	544	507	463	413	357	294
TUD1A040A9301A	4 - HIGH - Black	1307	1262	1211	1164	1092	1023	949	869	783
	3 - MED.-HIGH - Blue	1172	1140	1100	1053	996	937	867	791	707
	2 - MED.-LOW - Yellow	1030	1007	976	938	893	840	779	712	636
	1 - LOW - Red	892	876	856	833	789	744	691	630	561
TUD1A060A9241A	4 - HIGH - Black	1013	997	973	941	901	852	796	731	659
	3 - MED.-HIGH - Blue	835	821	800	771	734	689	636	575	506
	2 - MED.-LOW - Yellow	712	702	683	655	617	571	516	452	379
	1 - LOW - Red	611	596	573	543	505	459	406	345	277
TUD1A060A9361A	4 - HIGH - Black	1426	1389	1345	1298	1236	1171	1099	1020	934
	3 - MED.-HIGH - Blue	1243	1225	1197	1160	1113	1057	991	916	831
	2 - MED.-LOW - Yellow	1042	1039	1027	1005	973	931	879	817	745
	1 - LOW - Red	900	903	895	877	848	809	760	700	629
TUD1B060A9361A	4 - HIGH - Black	1588	1554	1517	1468	1412	1351	1278	1200	1102
	3 - MED.-HIGH - Blue	1329	1318	1299	1268	1228	1186	1135	1072	988
	2 - MED.-LOW - Yellow	1090	1090	1093	1076	1052	1028	978	917	836
	1 - LOW - Red	894	901	904	894	881	860	828	777	683
TUD1B080A9241A	4 - HIGH - Black	1115	1094	1060	1014	956	886	803	708	600
	3 - MED.-HIGH - Blue	919	912	891	857	809	747	671	582	478
	2 - MED.-LOW - Yellow	772	767	750	722	681	629	565	489	401
	1 - LOW - Red	643	655	648	622	577	512	428	325	203
TUD1B080A9361A	4 - HIGH - Black	1393	1384	1364	1335	1296	1247	1189	1120	1042
	3 - MED.-HIGH - Blue	1210	1209	1198	1177	1147	1107	1058	999	930
	2 - MED.-LOW - Yellow	1046	1052	1047	1033	1008	963	928	873	808
	1 - LOW - Red	900	903	895	888	869	842	808	766	717
TUD1B080A9481A	4 - HIGH - Black	1839	1821	1796	1756	1710	1641	1573	1480	1392
	3 - MED.-HIGH - Blue	1323	1325	1329	1319	1308	1275	1246	1201	1165
	2 - MED.-LOW - Yellow	1092	1090	1091	1083	1076	1059	1040	1005	970
	1 - LOW - Red	788	783	780	768	758	737	719	647	630
TUD1C080A9601A	4 - HIGH - Black	2308	2281	2254	2209	2163	2095	2026	1950	1873
	3 - MED.-HIGH - Blue	2006	1997	1987	1960	1933	1888	1842	1780	1718
	2 - MED.-LOW - Yellow	1690	1691	1691	1683	1674	1651	1627	1556	1485
	1 - LOW - Red	1437	1437	1437	1434	1431	1418	1404	1369	1334
TUD1B100A9361A	4 - HIGH - Black	1476	1464	1441	1408	1363	1307	1241	1163	1074
	3 - MED.-HIGH - Blue	1249	1257	1252	1234	1203	1158	1101	1030	946
	2 - MED.-LOW - Yellow	1020	1046	1058	1050	1028	990	936	866	780
	1 - LOW - Red	873	887	890	883	864	834	794	742	680
TUD1B100A9451A	4 - HIGH - Black	1771	1731	1355	1624	1556	1479	1392	1296	1191
	3 - MED.-HIGH - Blue	1375	1371	1328	1328	1289	1238	1176	1102	1016
	2 - MED.-LOW - Yellow	1127	1141	1124	1124	1094	1049	989	914	825
	1 - LOW - Red	780	815	829	822	796	749	681	593	485
TUD1C100A9481A	4 - HIGH - Black	1880	1846	1799	1740	1669	1595	1489	1381	1260
	3 - MED.-HIGH - Blue	1662	1635	1598	1551	1493	1424	1345	1256	1157
	2 - MED.-LOW - Yellow	1428	1421	1402	1370	1326	1269	1199	1117	1022
	1 - LOW - Red	1208	1215	1210	1193	1164	1124	1073	1009	935
TUD1C100A9601A	4 - HIGH - Black	2181	2143	2104	2053	2001	1929	1856	1766	1676
	3 - MED.-HIGH - Blue	1908	1888	1868	1834	1800	1745	1690	1631	1572
	2 - MED.-LOW - Yellow	1621	1609	1597	1582	1567	1533	1498	1438	1377
	1 - LOW - Red	1443	1419	1395	1381	1367	1335	1302	1256	1209



Performance Data

FURNACE AIRFLOW (CFM) VS. STATIC PRESSURE (ins. w.g.)										
MODEL	SPEED TAP	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90
TUD1D100A9721A BOTTOM AND LEFT SIDE RETURN	4 - HIGH - Black 3 - MED.-HIGH - Blue 2 - MED.-LOW - Yellow 1 - LOW - Red	2484	2458	2432	2387	2342 SEE NOTE 1	2275	2208	2125	2041
TUD1D100A9721A	4 - HIGH - Black 3 - MED.-HIGH - Blue 2 - MED.-LOW - Yellow 1 - LOW - Red	2447 2097 1753 1459	2401 2088 1750 1456	2356 2079 1748 1453	2303 2053 1732 1443	2249 2028 1716 1434	2173 1970 1690 1407	2097 1912 1665 1380	1994 1831 1594 1335	1892 1750 1523 1289
TUD1C120A9541A	4 - HIGH - Black 3 - MED.-HIGH - Blue 2 - MED.-LOW - Yellow 1 - LOW - Red	2162 1889 1654 1427	2130 1881 1643 1421	2097 1873 1631 1414	2067 1839 1619 1400	2037 1805 1606 1386	1976 1776 1572 1357	1914 1746 1538 1327	1833 1670 1483 1285	1752 1593 1428 1243
TUD1D120A9601A	4 - HIGH - Black 3 - MED.-HIGH - Blue 2 - MED.-LOW - Yellow 1 - LOW - Red	2135 1906 1646 1423	2101 18814 1632 1415	2066 1856 1617 1407	2036 1817 1596 1391	2005 1777 1575 1375	1923 1724 1535 1338	1840 1671 1494 1300	1750 1602 1427 1246	1659 1533 1360 1192
TUD1D140A9601A	4 - HIGH - Black 3 - MED.-HIGH - Blue 2 - MED.-LOW - Yellow 1 - LOW - Red	2462 2128 1755 1450	2407 2112 1746 1446	2351 2096 1736 1442	2284 2054 1719 1427	2216 2011 1702 1411	2143 1949 1656 1383	2069 1887 1609 1354	1989 1797 1564 1298	1908 1706 1518 1241

Note 1: High speed CFM is based on bottom and left side return option for this model. Medium High, Medium Low, and Low speedtaps for this model do not have improved airflow with the addition of side return.

CFM VS. TEMPERATURE RISE																				
MODEL	Cubic Feet Per Minute (CFM)																			
	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
TUD1A040A9241A	59	49	42	37	33	30														
TUD1A040A9301A	59	49	42	37	33															
TUD1A060A9241A			63	56	49	44														
TUD1A060A9361A				56	49	44	40	37	34	32										
TUD1B060A9361A				56	49	44	40	37	34	32										
TUD1B080A9241A				74	66	59	54													
TUD1B080A9361A					59	54	49	46	42											
TUD1B080A9481A					59	54	49	46	42	40	37	35	33							
TUD1C080A9601A						54	49	46	42	40	37	35	33	31	30	28	27	26		
TUD1B100A9361A						67	62	57	53	49										
TUD1B100A9451A							62	57	53	49	46	44	41							
TUD1C100A9481A						67	62	57	53	49	46	44	41	39	37					
TUD1C100A9601A							62	57	53	49	46	44	41	39	37	35	34	32	31	
TUD1D100A9721A							62	57	53	49	46	44	41	39	37	35	34	32	31	
TUD1C120A9541A									63	59	56	52	49	47	44	42	40			
TUD1D120A9601A										59	56	52	49	47	44	42	40			
TUD1D140A9601A											69	65	61	58	55	52	49	47	45	



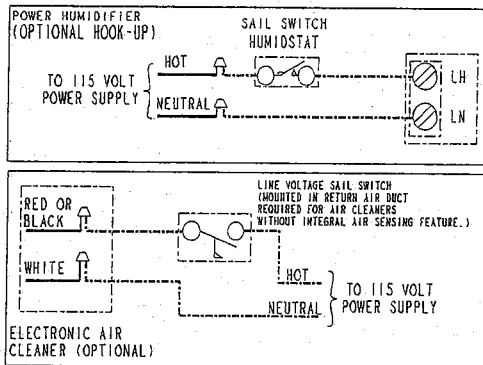
TRANE®

Field Wiring

FIELD WIRING DIAGRAM FOR HEATING ONLY

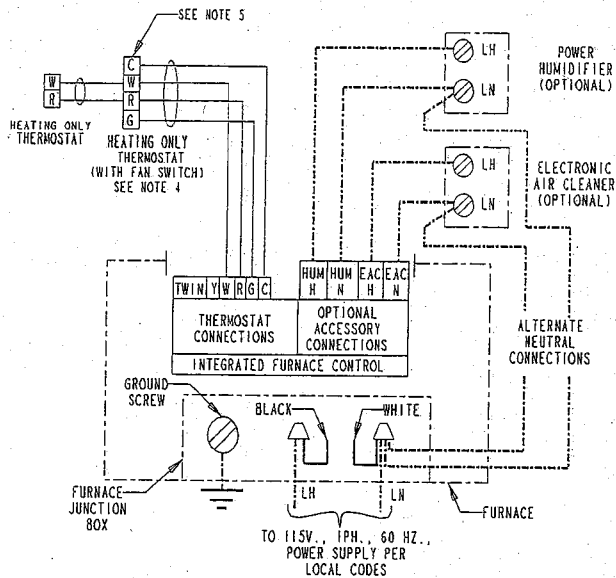
NOTES

1. BE SURE POWER SUPPLY AGREES WITH EQUIPMENT NAMEPLATE(S).
2. LOW VOLTAGE (24V.) WIRING TO BE NO. 18 A.W.G. MIN.
3. GROUNDING OF EQUIPMENT MUST COMPLY WITH LOCAL CODES.
4. SET THERMOSTAT HEAT ANTICIPATOR PER UNIT WIRING DIAGRAM.
5. 24V COMMON CONNECTION MAY BE REQUIRED FOR USE WITH ELECTRONIC THERMOSTATS.



INTER-COMPONENT WIRING

- 24 V. } FIELD WIRING
- LINE V. }
- 24 V. } FACTORY WIRING
- LINE V. }

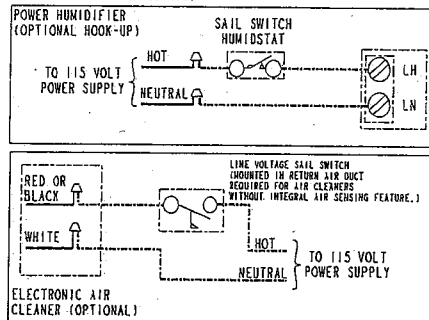


From Dwg.. 21B341437 Rev. 1

FIELD WIRING DIAGRAM FOR SINGLE STAGE HEATING/COOLING (OUTDOOR SECTION WITHOUT TRANSFORMER)

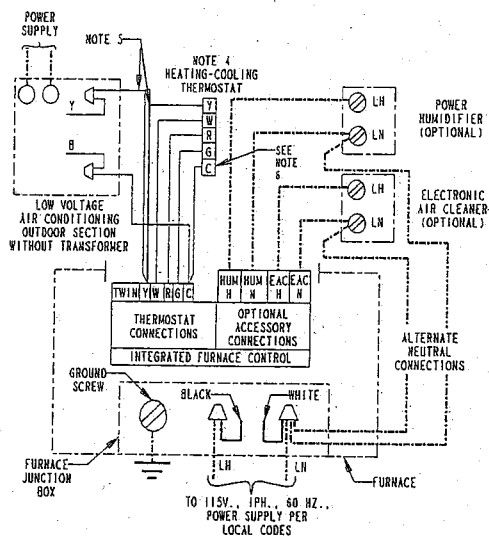
NOTES

1. BE SURE POWER SUPPLY AGREES WITH EQUIPMENT NAMEPLATE(S).
2. LOW VOLTAGE (24V.) WIRING TO BE NO. 18 A.W.G. MIN.
3. GROUNDING OF EQUIPMENT MUST COMPLY WITH LOCAL CODES.
4. SET THERMOSTAT HEAT ANTICIPATOR PER UNIT WIRING DIAGRAM.
5. THE "Y" TERMINAL FROM THE THERMOSTAT MUST BE WIRED TO THE "Y" TERMINAL OF THE FURNACE CONTROL FOR PROPER BLOWER OPERATION DURING COOLING.
6. 24V COMMON CONNECTION MAY BE REQUIRED FOR USE WITH ELECTRONIC THERMOSTATS.



INTER-COMPONENT WIRING

- 24 V. } FIELD WIRING
- LINE V. }
- 24 V. } FACTORY WIRING
- LINE V. }

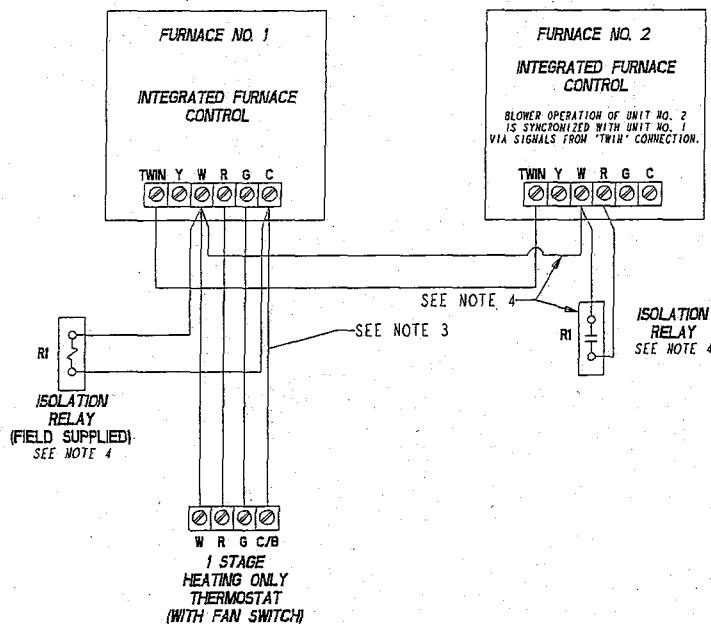


From Dwg.. 21B341436 Rev. 1



Field Wiring

TWINNING CONNECTION DIAGRAM
FOR TWINNING 1 STAGE FURNACES
WITH SINGLE WIRE TWINNING FEATURE
1 STAGE HEATING ONLY THERMOSTAT



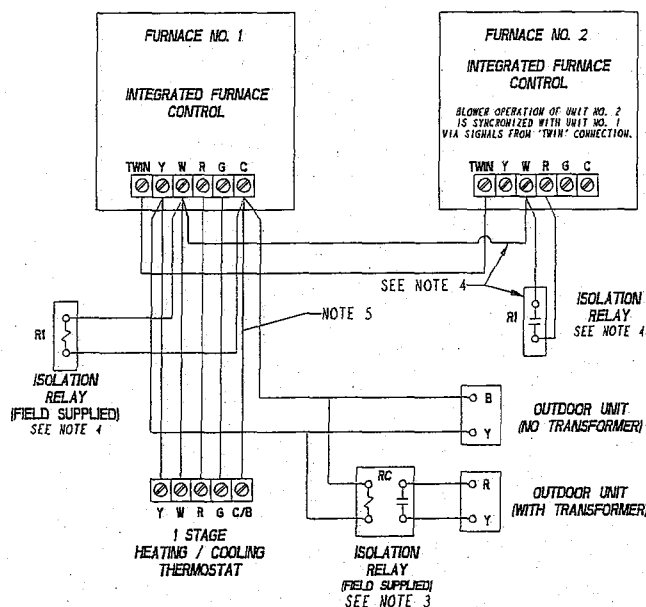
NOTES:

- 1.) BOTH FURNACES MUST BE POWERED FROM THE SAME 115V. LEG OF CIRCUIT PANEL.
- 2.) INSURE 24V. FURNACE TRANSFORMERS ARE IN PHASE. PRIOR TO COMPLETING CONNECTIONS, CHECK VOLTAGE BETWEEN 'R' TERMINALS OF EACH FURNACE. IF VOLTAGE IS GREATER THAN 10V., REVERSE THE BL AND RD SECONDARY LEADS ON ONE OF THE FURNACE TRANSFORMERS.
- 3.) CONNECTION MAY BE REQUIRED FOR ELECTRONIC THERMOSTAT.
- 4.) IF CURRENT EXCEEDS THERMOSTAT CURRENT RATING, USE ISOLATION RELAYS ('RI') AS SHOWN. (DO NOT CONNECT W TO W) ISOLATION RELAY NOT NEEDED IF THE THERMOSTAT CONTACTS ARE RATED AT 1.0A. OR ABOVE.

—— ALTERNATE WIRING CONFIGURATION
SEE NOTE 4.

From Dwg.. 21B341422 Rev. 1

TWINNING CONNECTION DIAGRAM
FOR TWINNING 1 STAGE FURNACES
WITH SINGLE WIRE TWINNING FEATURE
1 STAGE HEAT / 1 STAGE COOLING THERMOSTAT



NOTES:

- 1.) BOTH FURNACES MUST BE POWERED FROM THE SAME 115V. LEG OF CIRCUIT PANEL.
- 2.) INSURE 24V. FURNACE TRANSFORMERS ARE IN PHASE. PRIOR TO COMPLETING CONNECTIONS, CHECK VOLTAGE BETWEEN 'R' TERMINALS OF EACH FURNACE. IF VOLTAGE IS GREATER THAN 10V., REVERSE THE BL AND RD SECONDARY LEADS ON ONE OF THE FURNACE TRANSFORMERS.
- 3.) IF OUTDOOR UNIT HAS A 24V. TRANSFORMER, AN ISOLATION RELAY MUST BE INSTALLED. (FIELD SUPPLIED - USE PILOT DUTY RELAY ('RC'), SUCH AS RLY0975.) SEE ALT. CONNECTION.
- 4.) IF CURRENT EXCEEDS THERMOSTAT CURRENT RATING, USE ISOLATION RELAYS ('RI') AS SHOWN. (DO NOT CONNECT W TO W) ISOLATION RELAY NOT NEEDED IF THE THERMOSTAT CONTACTS ARE RATED AT 1.0A. OR ABOVE.
- 5.) CONNECTION MAY BE REQUIRED FOR ELECTRONIC THERMOSTATS.

—— ALTERNATE WIRING CONFIGURATION
SEE NOTE 4.

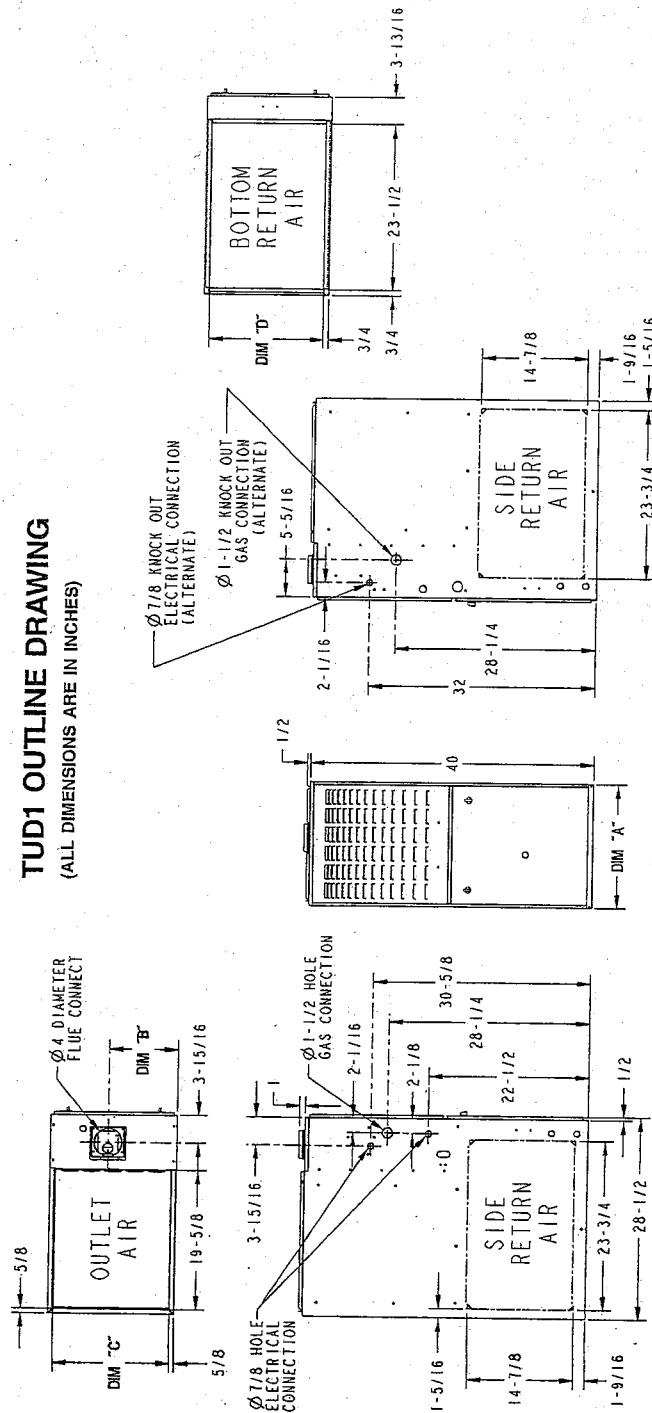
From Dwg.. 21B341423 Rev. 1



TRANE®

Dimensions

TUD1 OUTLINE DRAWING
(ALL DIMENSIONS ARE IN INCHES)



MINIMUM CLEARANCE TO COMBUSTIBLE MATERIALS			
UPFLOW CLOSET	0 IN.	FRONT	3 IN. (SEE NOTE 1)
LEFT SIDE	40 IN.	BACK	0 IN.
RIGHT SIDE	40 IN.	TOP	1 IN.
HORIZONTAL CLOSET (SEE NOTE 2)			
TOP	12 IN.	BACK	3 IN.
FRONT	18 IN.	SIDES	1 IN. (SEE NOTE 1)
HORIZONTAL ALCOVE (SEE NOTE 2)			
TOP	11 IN.	BACK	0 IN.
FRONT	11 IN.	SIDES	0 IN.

* - MAY BE 1" WHEN TYPE B-1 VENT IS USED
 + - FOR 14-1/2" CABINETS 3" WHEN SINGLE
 WHEN 11-1/2" CABINETS USED, "UDR40C"
 "UDR40C", "UDR40C", AND "UDR40C" ARE
 INSTALLED IN A HORIZONTAL POSITION AND A
 SINGLE WALL VENT PIPE IS USED, A 6 INCH
 CLEARANCE MUST BE SUPPLIED BETWEEN
 THE VENT PIPE AND COMBUSTIBLE FLOORING.

NOTES:
 1) MINIMUM CLEARANCE TO FRONT ON
 ALL MODELS WITH 140C860A, 140C860A,
 140C860A, 140C860A, 140C860A,
 2) MAY BE TESTED FOR COMBUSTIBLE
 FLOOR WHEN TYPE B-1 VENT IS USED.

MODEL	DIM "A"	DIM "B"	DIM "C"	DIM "D"
TUD1A040C924A				
TUD1A040C930A	14-1/2"	9-5/8"	13-1/4"	13"
TUD1A060C924A				
TUD1A060C936A				
TUD1B060A936A				
TUD1B080C924A	17-1/2"	9-5/8"	16-1/4"	16"
TUD1B080C936A				
TUD1B080C948A				
TUD1B100C936A				
TUD1B100C945A				
TUD1C080C960A				
TUD1C100C948A	21"	13-1/16"	19-3/4"	19-1/2"
TUD1C100C960A				
TUD1C120C960A				
TUD1D100C972A	24-1/2"	15-5/16"	23-1/4"	23"
TUD1D120C960A				
TUD1D140C960A				

* PREFIX LETTER MAY BE "A" OR "T"
 ** SUFFIX LETTERS MAY BE "X" TO THROUGH 9



Electrical Data

SCHEMATIC DIAGRAMS FOR GAS FURNACES

LEGEND-EQUIPMENT DIAGRAM

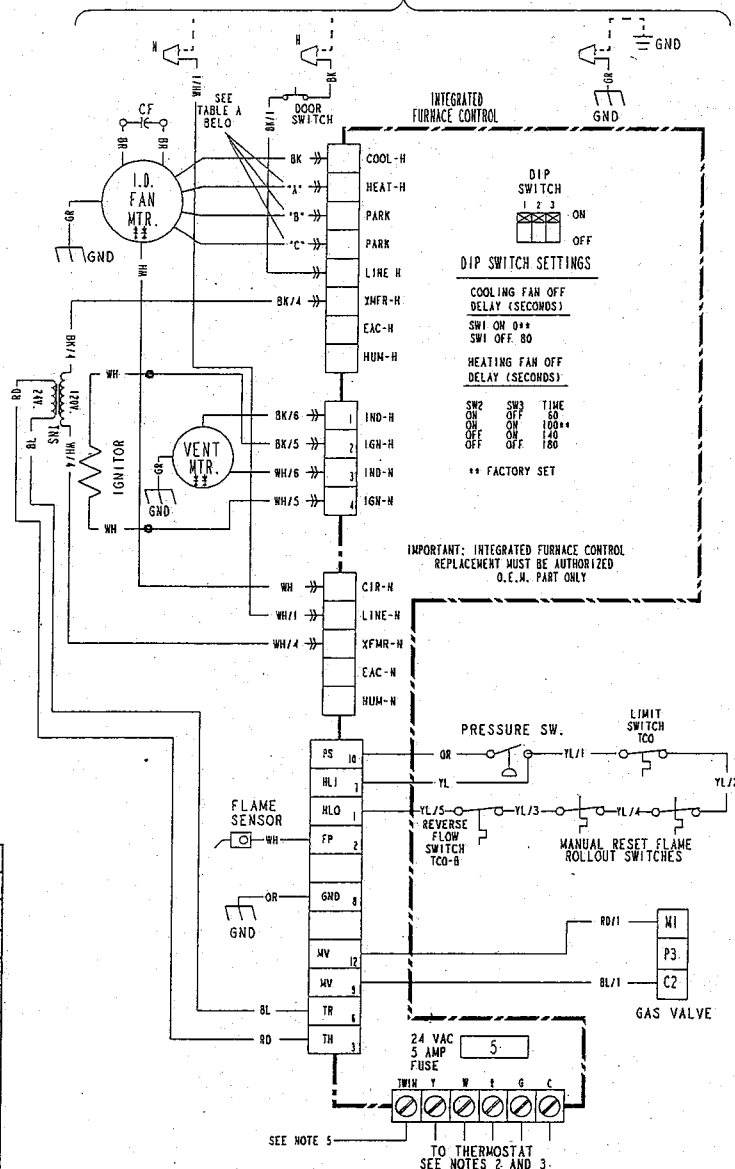
- 24 V. LINE V. } FACTORY WIRING
24 V. LINE V. } FIELD WIRING
EARTH GROUND
CHASSIS GROUND
JUNCTION
WIRE NUT OR CONNECTOR
COIL
CAPACITOR
TRANSFORMER
CONNECTOR
TEMP. ACTUATED SWITCH
PRESS. ACTUATED SWITCH
DOOR SWITCH
MANUAL RESET TEMP. ACTUATED SWITCH
FUSIBLE LINK
TERMINAL
TERMINAL BOARD
COLOR OF WIRE
BLACK WIRE WITH BLUE MARKER
COLOR OF MARKER
BK BLACK OR ORANGE YL YELLOW
BL BLUE RD RED GR GREEN
BR BROWN WH WHITE PR PURPLE
GV GAS VALVE
CF FAN CAPACITOR
GND GROUND
LINE
LVTB LOW VOLTAGE TERMINAL BOARD
M MOTOR
N NEUTRAL
TCS HIGH TEMPERATURE LIMIT SWITCH
TNS TRANSFORMER
B/C COMMON
PS PRES. SWITCH
HLI HIGH LIMIT INPUT
HLO HIGH LIMIT OUTPUT
FP FLAME SENSOR PROBE
MV GAS VALVE
TR 24V AC TRANS. COMMON SIDE
TH 24V AC TRANS. HOT SIDE
R REDUNDANT
|| INTERNAL THERMAL PROTECTION

TABLE A

SPEED TAPS FOR I.D. FAN MOTOR				
MODELS	HEAT "A"	PARK "B"	PARK "C"	
*UD1A040A9241A	YL	RD	BL	
*UD1A040A9301A	RD	BL	YL	
*UD1A060A9241A	BL	RD	YL	
*UD1A060A9361A	YL	RD	BL	
*UD1B080A9241A	BL	RD	YL	
*UD1B080A9361A	RD	YL	BL	
*UD1B080A9481A	BL	RD	YL	
*UD1C080A9801A	RD	BL	YL	
*UD1B100A9361A	BL	RD	YL	
*UD1B100A9451A	BL	RD	YL	
*UD1C100A9481A	BL	RD	YL	
*UD1C100A9801A	YL	BL	RD	
*UD1D100A9721A	RD	YL	BL	
*UD1C120A9541A	BL	RD	YL	
*UD1D120A9601A	BL	RD	YL	
*UD1D140A9601A	BL	RD	YL	

(1) RED - LOW
(2) YELLOW - MED LOW
(3) BLUE - MED HIGH
(4) BLACK - HIGH

115 VOLT 60 HZ. 1PH. POWER SUPPLY
PER LOCAL CODES



NOTES:

- IF ANY OF THE ORIGINAL WIRE AS SUPPLIED WITH THE FURNACE MUST BE REPLACED, IT MUST BE REPLACED WITH WIRING MATERIAL HAVING A TEMPERATURE RATING OF AT LEAST 105 °C.
- THERMOSTAT HEAT ANTICIPATOR SETTING: .38 AMPS.
- FOR PROPER OPERATION OF COOLING FAN SPEED, "Y" TERMINAL MUST BE CONNECTED TO ROOM THERMOSTAT.
- THESE TERMINALS PROVIDE 120V POWER FOR CONNECTION OF ELECTRONIC AIR CLEANER AND HUMIDIFIER, MAX. LOAD 1.0 AMPS EACH.
- WHEN TWINNING TWO FURNACES, BOTH UNITS MUST BE CONNECTED TO THE SAME 115VAC PHASE. CONNECT THE TWO UNITS "TWIN" TERMINALS WITH 14 TO 22AWG. WIRE.