



## ICE KING, LLC

6525 Royal Street, Arabi, LA 70032

Contact Us @: 504-255-7740 – or – Email Us @: [icekingnola@gmail.com](mailto:icekingnola@gmail.com)

**“A Licensed and Insured General HVAC Contractor”**

(LA License #71474) (AL License #23157)

### **DIAGNOSTIC REPORT / CHANGE ORDER**

**Date Report Generated:** June 18, 2024

**Report Prepared For:** Legacy Group, General Contractor of Record for Property Owner

**Property Owner:** Basical Thomas, 408 Travis Drive, Avondale, La 70094

**Letter Written By:** Dale Smith, Licensed HVAC Technician, Owner of Ice King, LLC

**Policy Number:** 252675

#### **Diagnostics Test & Comprehensive HVAC Inspection Findings:**

##### **Executive Summary:**

This report details the findings from an inspection of the existing HVAC system following reported fire damage. The inspection revealed extensive damage to the outdoor condenser, indoor air handler, and ductwork system, rendering the entire system inoperable and potentially hazardous. A complete system replacement is strongly recommended.

##### **Detailed Findings:**

###### **Outdoor Condenser Unit:**

- **Condition:** Inoperable - Replacement Required
  - **Fire Damage:** The exterior casing shows physical damage (dents, cracks, warping) consistent with fire exposure.
  - **Coil Damage:** Condenser coils have bent fins, debris lodged within, and signs of corrosion, indicating compromised heat transfer capability.
  - **Fan Blade Damage:** The fan blades are damaged.
  - **Electrical Damage:** Electrical components are burnt, rendering the unit inoperable.

- **Refrigerant Lines:** Refrigerant lines are loose and damaged, requiring replacement.
- **Outdated Refrigerant:** The unit utilizes R22 refrigerant, which is no longer compliant with environmental regulations.

### **Indoor Air Handler:**

- **Condition:** Inoperable - Replacement Required
  - **Fire Damage:** Physical damage to the system is evident from the fire.
  - **Blower Fan:** The blower fan is heavily clogged with dirt and debris.
  - **Electrical Damage:** Electrical wires are burnt.
  - **Drain System:** The drain pan is rusted and corroded, and the condensate drain line is clogged.
  - **Outdated Refrigerant:** The unit utilizes R22 refrigerant, incompatible with a new R410a condenser.

### **Ductwork System:**

- **Condition:** Unsatisfactory - Full Replacement Required
  - **Physical Damage:** The ducts have tears, punctures, and detached sections throughout the system. The ductwork is melted from the extreme temperatures from the fire.
  - **Outdated Material:** The existing ductwork is not compatible with the new R410a refrigerant requirements and needs replacement with R8 flex duct.

### **Overall Analysis:**

The extensive fire damage has rendered the entire HVAC system (outdoor condenser, indoor air handler, and ductwork) inoperable and potentially hazardous. The damaged components pose safety risks due to electrical issues and potential refrigerant leaks. Additionally, the outdated R22 refrigerant is no longer compliant with environmental regulations. There is no means of repairing any component of the HVAC equipment and ductwork system due to the fire.

### **Recommendation:**

A complete HVAC system replacement is strongly recommended. This includes replacing the outdoor condenser unit, indoor air handler, and the entire ductwork system. Utilizing R410a refrigerant for the new system will ensure compliance with current regulations and compatibility.

### **CAUSE OF LOSS:**

The extensive fire damage throughout the HVAC system components, including the outdoor condenser unit, indoor unit air handler, and ductwork, prevents a clear diagnosis of the cause of failure. Pre-existing issues from Hurricane Ida or other storm events cannot be ruled out with certainty due to the severity of the fire damage.

**LIST OF REQUIRED COMPONENTS: (if replaced)**

3.5T Condenser (no tags)  
Condenser Pad  
3.5T Air Handler  
Copper Line-set  
10 lbs R410-A Refrigerant  
1 1/8 Rubbertex Drain Insulation  
3/4-7/8 Rubbertex Copper Insulation  
Disconnect Box w/ 3/4 Whip  
SS1, SS2, SS3 Safety Switch  
Supply Plenum  
Pan  
PVC Stick  
Duct Board  
Cinder Blocks  
Ductwork R8 Flex  
Supply Grills  
Return Air Grill & Filter  
Return Air Plenum  
Thermostat  
Nylon Strap  
Mastic Tape

Should you have additional questions or concerns, please do not hesitate to contact me at any time. We thank you in advance for your attention to this matter.

Sincerely,

Dale Smith, Owner  
Ice King, LLC  
Licensed HVAC Contractor  
504-235-6596 Office  
504-255-7740 Mobile  
icekingnola@gmail.com





B Powered Electric, LLC  
(504)606-9273  
2060 BENEFIT ST  
New Orleans, LA 70122

**Prepared For**  
Legacy Construction Group, LLC  
LA

**Proposal Date**  
06/21/2024

**Proposal Number**  
0002129

**Reference**  
Basical Thomas

### Homeowner Info:

Basical Thomas (Jeff Pool GC)  
408 Travis Drive  
Avondale, LA 70094  
504-236-5914

Claim/Policy Number: 252675

### Pricing

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Description	Rate	Qty	Line Total
Electrical Assessment	\$0.00	1	\$0.00

Findings:  
This home has extensive fire damage and will need to be completely rewired once it has been refrained and gutted.

The house has too many upgrades needed to bring it up to code. All the homeruns were burned and destroyed. The electrical service is fuses and not breakers. The meter panel is in disrepair. The only way this house can be rehabbed is to be rewired.

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Subtotal	0.00
Tax	0.00

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**Proposal Total (USD)** \$0.00