

B10000592

Building Address 1596 Woodbine Rd
Suite/Apt. #: _____ SDP/WP/Petition #: _____
Census Tract _____ Subdivision Willis Lambert

Section _____ Area _____ Lot _____
Tax Map 1 Parcel 136 Grid _____
Zoning _____ Map Coordinates _____ Lot Size 30.9 acres

Existing Use Field Lot
Proposed Use Home
Estimated Construction Cost \$ 24,000
Description of Work Construction SDP

Occupant or Tenant _____
Contact Name _____
Address _____
City _____ State _____ Zip Code _____
Phone _____ Fax _____

Property Owner's Name Christopher + Coale Murray
Address 16461 Frederick Rd
City Mt Airy State MD Zip Code 21771
Home Phone _____ Work Phone _____
Applicant's Name & Mailing Address, (if other than stated herein):

Contractor Company _____
Contact Person _____
Address _____
City _____ State _____ Zip Code _____
License No. _____
Phone _____ Fax _____

Engineer or Architect Company _____
Contact Person Billy Harmon
Address 3550 Gasp-Bohner Plwy
City Kennesaw State GA Zip Code 30144
Phone 770-431-0888 Fax _____

BUILDING DESCRIPTION - COMMERCIAL

BUILDING DESCRIPTION - RESIDENTIAL

Building Characteristics	Utilities
Height: _____	Water Supply: _____ Public _____ Private _____
No. of stories: _____	Sewage Disposal: _____ Public _____ Private _____
Gross area, sq. ft. per floor: _____	Electric Yes <input type="checkbox"/> No <input type="checkbox"/>
Use group: _____	Gas Yes <input type="checkbox"/> No <input type="checkbox"/>
Construction type: _____ Reinforced Concrete _____ Structural Steel _____ Masonry _____ Wood Frame _____ State Certified Modular _____	Heating System: _____ Electric <input type="checkbox"/> Oil <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas <input type="checkbox"/>
	Sprinkler system: N/A <input type="checkbox"/> Full _____ Partial _____ Other Suppression _____ # of Heads _____

Building Characteristics	Utilities
SF Dwelling <input type="checkbox"/> SF Townhouse <input type="checkbox"/>	Water Supply: _____ Public _____ Private <input checked="" type="checkbox"/>
Depth - <u>27.5</u> Width <u>100</u>	Sewage Disposal: _____ Public _____ Private <input checked="" type="checkbox"/>
1 st floor: <u>2116 Chesapeake</u>	Electric Yes <input type="checkbox"/> No <input type="checkbox"/>
2 nd floor: _____	Gas Yes <input type="checkbox"/> No <input type="checkbox"/>
Basement: _____	Heating System: _____ Electric <input type="checkbox"/> Oil <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas <input type="checkbox"/>
Finished Basement <input type="checkbox"/> Unfinished Basement <input type="checkbox"/> Crawl space <input type="checkbox"/> Slab on Grade <input type="checkbox"/>	Sprinkler system: N/A <input type="checkbox"/> NFPA #13D _____ NFPA #13R _____ Other: _____
No. of Bedrooms <u>4</u>	
Multi-family dwellings: _____	
No. of efficiency units: _____	
No. of 1 BR units: _____	
No. of 2 BR units: _____	
No. of 3 BR units: _____	
Other Structure: _____	
Dimensions: _____	
Footings: _____	
Roof: _____	
State Certified Modular _____	
Manufactured Home _____	

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature Christopher Coale Murray
Email Address christ@murrayfinancialgroup.com
Title/Company _____

Print Name Christopher H. Murray
Date 3/1/10

Checks payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY
PLEASE WRITE NEATLY AND LEGIBLY.

AGENCY	DATE	SIGNATURE APPROVAL	DPZ SETBACK INFORMATION	PROPERTY ID #
Land Development, DPZ			Front: _____	Filing fee \$ _____
State Highways			Rear: _____	Permit fee \$ _____
Building Officials			Side: _____	Excise tax \$ _____
Dev. Engineering, DPZ			Side St.: _____	Add'l per fee \$ _____
Health	<u>6-3-10</u>	<u>DBernard</u>	All minimum setbacks met?	TOTAL FEES \$ _____
Fire Protection			YES <input type="checkbox"/> NO <input type="checkbox"/>	Sub-total paid \$ _____
Is Sediment Control approval required prior to issuance?			Is Entrance Permit Required?	Balance due \$ _____
YES <input type="checkbox"/> NO <input type="checkbox"/>			YES <input type="checkbox"/> NO <input type="checkbox"/>	Check # _____
			Historic District?	Validation # _____
			YES <input type="checkbox"/> NO <input type="checkbox"/>	
CONTINGENCY CONSTRUCTION START: <input type="checkbox"/>			Lot Coverage for New Town Zone _____	
ONE STOP SHOP: <input type="checkbox"/>			SDP/Red-line approval date _____	Accepted by _____

DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS 3430 COURT HOUSE DRIVE BELLCOTT CITY, MD 21042 PERMITS (410)812-2455 INSPECTIONS (410)812-1850	HOWARD COUNTY RESIDENTIAL HEATING-VENTILATION-AIR CONDITIONING AND REFRIGERATION PERMIT APPLICATION	HVACR PERMIT # M10001867 BUILDING PERMIT # B1 0000592
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BUILDING ADDRESS: 1596 Woodbine A Woodbine Md 21797 SUBDIVISION: CENSUS TRACT: SECTION: AREA: LOT: TAX MAP: PARCEL: BLOCK: ZONE: PROPERTY ID: MAP COORDINATES: TYPE OF IMPROVEMENT: USE:	SUITE/APT: OWNERS NAME: Chris Murray ADDRESS: 1596 Woodbine Rd CITY: Woodbine Md STATE: ZIP CODE: 21797 HOME PHONE: WORK PHONE:
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<table border="1"> <thead> <tr> <th>CHECK ONE</th> <th>HOW MANY</th> <th></th> </tr> </thead> <tbody> <tr> <td>SINGLE FAMILY DWELLING <input checked="" type="checkbox"/></td> <td><u>2</u></td> <td>ZONES</td> </tr> <tr> <td>SINGLE FAMILY TOWNHOUSE <input type="checkbox"/></td> <td>---</td> <td>ZONES</td> </tr> <tr> <td>MULTI-FAMILY / HOTEL/MOTEL <input type="checkbox"/></td> <td>---</td> <td>UNITS</td> </tr> </tbody> </table>	CHECK ONE	HOW MANY		SINGLE FAMILY DWELLING <input checked="" type="checkbox"/>	<u>2</u>	ZONES	SINGLE FAMILY TOWNHOUSE <input type="checkbox"/>	---	ZONES	MULTI-FAMILY / HOTEL/MOTEL <input type="checkbox"/>	---	UNITS	COMPANY NAME: Myers Heating & Cooling Inc LICENSEE NAME: Richard W Myers ADDRESS: CITY: Frederic STATE: md ZIP CODE: 21704 PHONE: 301 662 1818 HVACR LICENSE NO: 6572
CHECK ONE	HOW MANY												
SINGLE FAMILY DWELLING <input checked="" type="checkbox"/>	<u>2</u>	ZONES											
SINGLE FAMILY TOWNHOUSE <input type="checkbox"/>	---	ZONES											
MULTI-FAMILY / HOTEL/MOTEL <input type="checkbox"/>	---	UNITS											

New Heating and Air Conditioning
 Heating System Only
 Other Work (Describe):
 Replacement Heating
 Air Conditioning
 Heating and Air Conditioning
 Additional Modifications
 Heating
 Air Conditioning
 Heating and Air Conditioning

12/3/2010
O.K.
(BB)
Locations of loops provided by Myers.
GEO Thermo Heat Pumps

Zones Permit Fee = # of Zones x \$40 = <u>80</u> Technology Fee (10% of Permit Fee) = <u>8</u> Plus Application Fee <u>\$50</u> Total Fees Due = <u>138</u>	Units Permit Fee = # of Units x \$80 = _____ Technology Fee (10% of Permit Fee) = _____ Plus Application Fee <u>\$50</u> Total Fees Due = _____
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I HAVE CAREFULLY EXAMINED AND READ THIS APPLICATION AND KNOW IT IS TRUE AND CORRECT. THE WORK DESCRIBED HEREIN WILL BE PERFORMED BY A STATE HVACR LICENSED PERSON(S) INSURED TO CONTRACT WORK, AND ALL WORK WILL BE PERFORMED IN COMPLIANCE WITH APPLICABLE CODES AND STANDARDS OF HOWARD COUNTY AND THE STATE OF MARYLAND.

Signature of Licensed Contractor: Richard W Myers DATE: 10/18/10
 PRINT NAME: Richard W Myers

Validation

Check Number: 2402
 Cash: _____
 Receipt Number: 222589

Make check payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY
 T:\Chief\HVACR.WPD REV 5/17/04

Well + Septic

M10001067

Project Summary
Entire House
Myers Heating & Cooling

Job:
 Date: Sep 29, 2010
 By: Rick Myers

5408 Hines Road, Frederick, MD 21704 Phone: 301-662-1818

Project Information

For: Murray Residence
 1596 Woodbine Road, Woodbine, MD 21797

Notes: Installing Heating and A/C:
 1st floor: Water Furnace NOV064A111CT4R-5Ton-R41DA
 2nd Floor: Water Furnace NAH048A151R
 NOZ04911AC-4Ton-410

Design Information

Weather: Frederick AP, MD, US

Winter Design Conditions

Outside db 12 °F
 Inside db 71 °F
 Design TD 59 °F

Summer Design Conditions

Outside db 91 °F
 Inside db 73 °F
 Design TD 18 °F
 Daily range M
 Relative humidity 50 %
 Moisture difference 45 gr/lb

Heating Summary

Structure 130854 Btuh
 Ducts 0 Btuh
 Central vent (0 cfm) 0 Btuh
 Humidification 0 Btuh
 Piping 0 Btuh
 Equipment load 130854 Btuh

Sensible Cooling Equipment Load Sizing

Structure 66860 Btuh
 Ducts 0 Btuh
 Central vent (0 cfm) 0 Btuh
 Blower 0 Btuh
 Use manufacturer's data n
 Rate/swing multiplier 0.96
 Equipment sensible load 64186 Btuh

Infiltration

Method Simplified
 Construction quality Average
 Fireplaces 2 (Average)

	Heating	Cooling
Area (ft ²)	5997	5997
Volume (ft ³)	24643	24643
Air changes/hour	0.35	0.15
Equip. AVF (cfm)	142	62

Latent Cooling Equipment Load Sizing

Structure 2268 Btuh
 Ducts 0 Btuh
 Central vent (0 cfm) 0 Btuh
 Equipment latent load 2268 Btuh
 Equipment total load 66454 Btuh
 Req. total capacity at 0.70 SHR 7.6 ton

Heating Equipment Summary

Make n/a
 Trade n/a
 Model n/a
 ARI ref no. n/a

Efficiency n/a
 Heating input
 Heating output 0 Btuh
 Temperature rise 0 °F
 Actual air flow 0 cfm
 Air flow factor 0 cfm/Btuh
 Static pressure 0 in H2O
 Space thermostat n/a

Cooling Equipment Summary

Make n/a
 Trade n/a
 Cond n/a
 Coil n/a
 ARI ref no. n/a

Efficiency n/a
 Sensible cooling 0 Btuh
 Latent cooling 0 Btuh
 Total cooling 0 Btuh
 Actual air flow 0 cfm
 Air flow factor 0 cfm/Btuh
 Static pressure 0 in H2O
 Load sensible heat ratio 0

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.