

DEPARTMENT OF INSPECTIONS, LICENSES & PERMITS 3430 COURT HOUSE DRIVE ELLICOTT CITY, MD 21043 PERMITS (410) 313-2455 INSPECTIONS (410) 313-1850	HOWARD COUNTY RESIDENTIAL HEATING-VENTILATION-AIR CONDITIONING AND REFRIGERATION PERMIT APPLICATION	HVACR PERMIT # <u>M11000139</u> BUILDING PERMIT # <u>2/24/2010</u> O.K. <u>(BB)</u>
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BUILDING ADDRESS: SUBDIVISION: CENSUS TRACT: LOT: <u>63</u> BLOCK: PROPERTY ID: <u>085142</u> MAP COORDINATES: TYPE OF IMPROVEMENTS:	SUITE/APT: SECTION: TAX MAP: ZONE: AREA: PARCEL: <u>L110</u> USE:	OWNERS NAME: <u>JO Scrandis</u> ADDRESS: <u>11813 Gaslight Place</u> CITY: <u>Columbia</u> STATE: <u>MD</u> ZIP CODE: <u>21044</u> HOME PHONE: <u>410993-7035</u> WORK PHONE:
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CHECK ONE	HOW MANY	
<input type="checkbox"/> SINGLE FAMILY DWELLING	<input checked="" type="checkbox"/> 1 ZONES	COMPANY NAME: <u>LOVES Heating & Air, Inc.</u> LICENSEE NAME: <u>John Davidson</u> ADDRESS: <u>P O Box 396</u> CITY: <u>Severn</u> STATE: <u>MD</u> ZIP CODE: <u>21144</u> PHONE: <u>410351-1376</u> HVACR LICENSE NO: <u>5613</u>
<input type="checkbox"/> SINGLE FAMILY TOWNHOUSE	<input type="checkbox"/> ZONES	
<input type="checkbox"/> MULTI-FAMILY / HOTEL/MOTEL	<input type="checkbox"/> ROOMS	
<input type="checkbox"/> ASSISTED LIVING HOMES (16 OR FEWER RESIDENTS)	<input type="checkbox"/> ROOMS	

New

Heating and Air Conditioning
 Geo Thermal System

Heating System Only
 Ductless Mini Splits

Other Work (Describe):
 Thru The Wall Systems

Replacement

Heating
 Air Conditioning
 Heating and Air Conditioning geothermal

Additions and Alterations

Heating
 Air Conditioning
 Heating and Air Conditioning

****Replacement Geo Thermal Systems are not required; However, if a tax credit is being sought a permit is required****

Zones Permit Fee = # of Zones x \$40 = <u>40</u> Technology Fee (10% of Permit Fee) = <u>4</u> Plus Application Fee <u>\$50.00</u> Total Fees Due = <u>94</u>	Rooms Permit Fee = # of Rooms x \$80 = _____ Technology Fee (10% of Permit Fee) = _____ Plus Application Fee \$50 <u>\$50.00</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), AND ALL WORK WILL BE PERFORMED IN COMPLIANCE WITH APPLICABLE CODES AND STANDARDS OF HOWARD COUNTY THE STATE OF MARYLAND.

SIGNATURE OF LICENSEE: [Signature]
 PRINT NAME OF LICENSEE: John Davidson

Email Address: _____

Make check payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY

Validation Check Number: <u>3366</u> Cash: _____ Receipt Number: <u>231407</u>
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2/2/11
DATE

Project Information

For: joe scrandis
11813 gaslight pl., columbia, md 21044
Phone: 410-993-7035
Email: jescrandis@hotmail.com

Notes:

Design Information

Weather: Baltimore, MD, US

Winter Design Conditions

Outside db 17 °F
Inside db 70 °F
Design TD 53 °F

Summer Design Conditions

Outside db 91 °F
Inside db 75 °F
Design TD 16 °F
Daily range M
Relative humidity 50 %
Moisture difference 37 gr/lb

Heating Summary

Structure 34710 Btuh
Ducts 0 Btuh
Central vent (0 cfm) 0 Btuh
Humidification 0 Btuh
Piping 0 Btuh
Equipment load 34710 Btuh

Sensible Cooling Equipment Load Sizing

Structure 21436 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 20558 Btuh

Infiltration

Method Simplified
Construction quality Average
Fireplaces 0

	Heating	Cooling
Area (ft ²)	4875	4875
Volume (ft ³)	0	0
Air changes/hour	0.70	0.40
Equiv. AVF (cfm)	0	0

Latent Cooling Equipment Load Sizing

Structure 0 Btuh
Ducts 0 Btuh
Central vent (0 cfm) 0 Btuh
Equipment latent load 0 Btuh
Equipment total load 20558 Btuh
Req. total capacity at 0.70 SHR 2.4 ton

Heating Equipment Summary

Make *Water Furnace*
Trade *NDV049A111N1L*
Model
GAMA ID *15KW*

Efficiency 80 AFUE
Heating input 0 Btuh
Heating output 0 Btuh
Temperature rise 0 °F
Actual air flow 1146 cfm
Air flow factor 0.033 cfm/Btuh
Static pressure 0 in H2O
Space thermostat

Cooling Equipment Summary

Make *Water Furnace*
Trade *NDV049A111N1L*
Cond
Coil
ARI ref no.
Efficiency 0 SEER
Sensible cooling 0 Btuh
Latent cooling 0 Btuh
Total cooling 0 Btuh
Actual air flow 1146 cfm
Air flow factor 0.053 cfm/Btuh
Static pressure 0 in H2O
Load sensible heat ratio 1.00

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.

M11000139

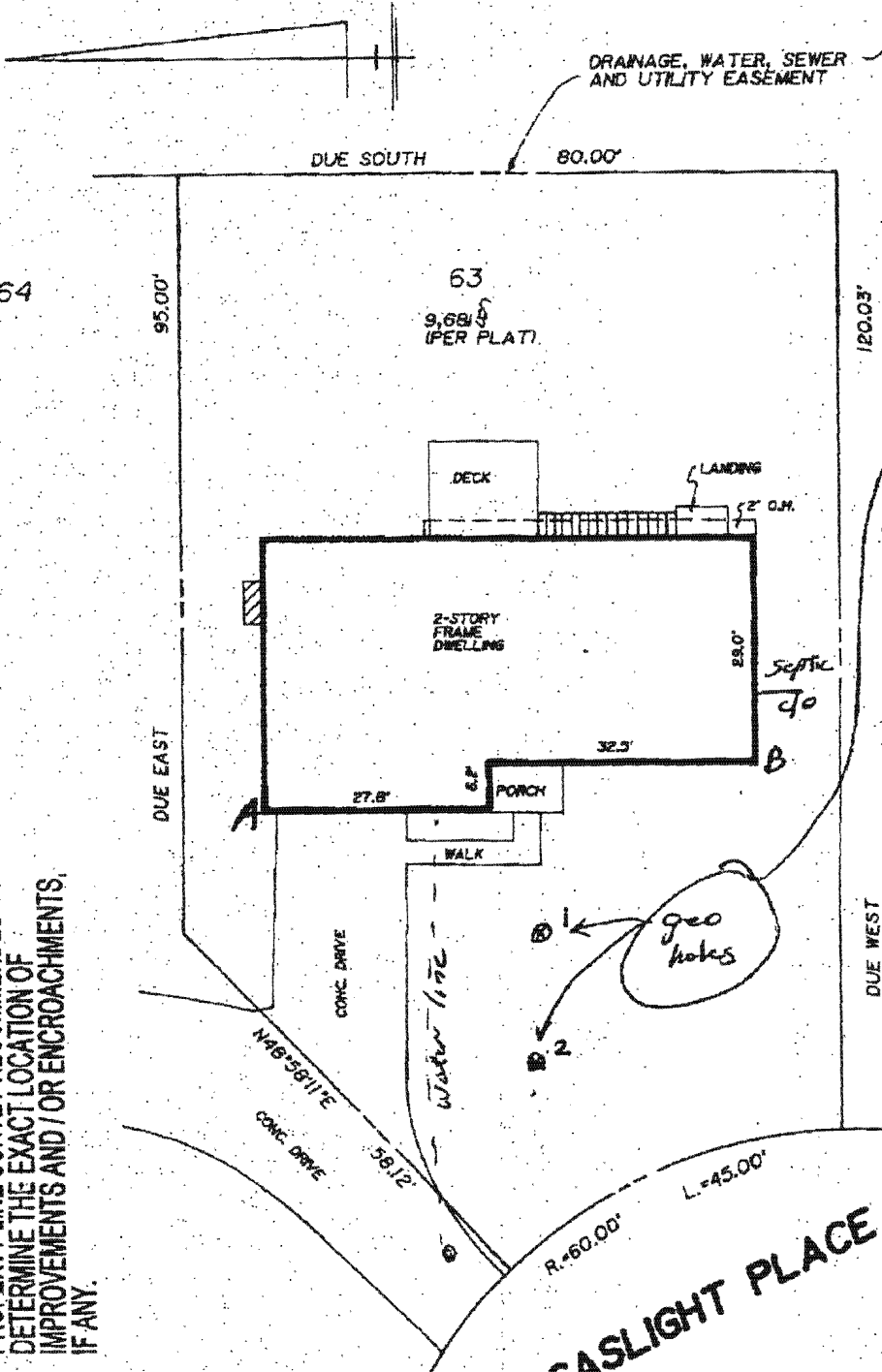
OWNER

Joseph Scordis
11813 Gaslight Place
Columbia Md 21044

LANDTECH ASSOCIATES, INC.

1410 CRAIN HIGHWAY, N.W. SUITE 7B GLEN BURNING, MD 21061
(410) 768-2121 FAX (410) 553-9087

NOTE: NOT TO BE USED FOR THE ISSUANCE OF PERMITS.



geo locations

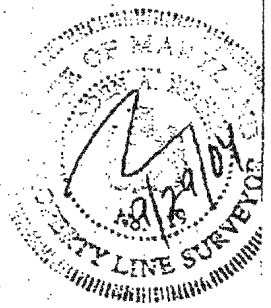
	A	B
1	37	34
2	46	47

PROPERTY LINE SURVEY RECOMMENDED TO DETERMINE THE EXACT LOCATION OF IMPROVEMENTS AND/OR ENCROACHMENTS, IF ANY.

Scale 1" = 22'

GASLIGHT PLACE

THIS PROPERTY LIES IN FLOOD ZONE C, AN AREA OF MINIMAL FLOODING, AS DELINEATED ON THE MAPS OF THE NATIONAL FLOOD INSURANCE PROGRAM



Notes: 1) This plot is of benefit to a consumer only insofar as it is required by a lender or a title...