

DDS- Planning & Zoning: Historic Review Application



Submission date: **24 October 2021, 3:19PM**

Receipt number: **431**

Related form version: **2**

Property Information

Property Address
Street: 112 Hungerford st.
City: Hartford
State: CT
Zip Code: 06106

Zoning District:

Parcel ID: **Frog Hollow**

Property Owner: **Triton Investment Group**

Property Owner's Address:
Street: 12 Auburn Rd
City: west hartford
State: ct
Zip Code: 06119

Phone: **8603721651**

Email: **Tritoninvestmentgroup@gmail.com**

Applicant

Please check if "Applicant" is the same as "Property Owner"

Name of Applicant: **Designed Air Systems LLC**

File Date: **10/24/2021**

Address:

Street: 18 Staeth rd

City: East Hampton

State: CT

Zip Code: 06424

Phone:

8608392021

Email:

Lloyd@designed-air.com

Primary Point of Contact

Name:

Lloyd Thorpe

Phone:

8608392021

Email:

Lloyd@designed-air.com

Describe your application action(s) and provide as much detail as possible.

Installing new furnace and ductwork in all 3 apartments

Proposed work:

Other: Installing ductwork and furnaces inside apartments.

Current materials being repaired/replaced:

Furnaces and ductwork

Materials/products being used in work:

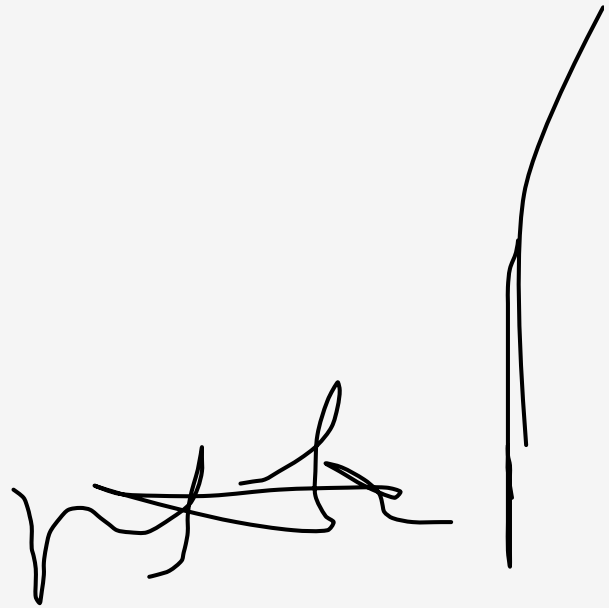
Furnaces and ductwork

Please upload all supporting materials and photographs below.

[Load Report for 112 Hungerford Street.pdf](#)

Signatures

Signature of Applicant:

A handwritten signature in black ink, appearing to read 'Lloyd Thorpe', with a long vertical line extending upwards from the right side.

[Link to signature](#)

Name of Applicant:

Lloyd Thorpe

Date:

10/24/2021

If you are not the property owner, you must attach a Letter of Authorization from the property owner to apply.

Letter of Authorization from Property Owner

[FFCC5E97-9DA7-4943-B3A6-2A2CB136B209.jpeg](#)

Date:

10/24/2021

Hiskes, Rachel

From: Hiskes, Rachel
Sent: Monday, November 8, 2021 2:32 PM
To: Berschet, Paige; lloyd@designed-air.com
Subject: RE: 112 Hungerford St - Historic Review Application

Good afternoon Lloyd,

I would like to confirm that the work on the above address is on the agenda for the Nov 17th meeting that Paige has given you the details for below. In order for the Commission and also the Planning Division to review your application, can you provide fotos of the property and the furnaces exhaust and intake locations? The mock up of the six holes / 2 inches in diameter / 5 inches protruding needs to be clearly identified in images in order to understand the nature of the work.

Many thanks,

Rachel Hiskes, AICP MSW
Junior Planner
City of Hartford – Department of Development Services
Planning & Zoning Division
260 Constitution Plaza, 1st Floor
Desk: 860-757-9081

She/Her/Hers ([What's this?](#))

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From: Berschet, Paige
Sent: Monday, November 8, 2021 2:04 PM
To: Hiskes, Rachel <Rachel.Hiskes@hartford.gov>
Subject: FW: 112 Hungerford St - Historic Review Application
Importance: High

From: Berschet, Paige
Sent: Thursday, November 4, 2021 11:10 AM
To: Lloyd Thorpe <lloyd@designed-air.com>
Cc: Hartford Planning Division <oneplan@hartford.gov>
Subject: 112 Hungerford St - Historic Review Application
Importance: High

Hello Lloyd,

Thank you for submitting your Historic Review Application for 112 Hungerford St. Based upon the scope of work, the application will need to be reviewed by the Historic Preservation Commission at their upcoming November 17th Regular Meeting. **In addition to the items submitted, please share photos of the exterior area you are proposing changes to so we can add these to the staff report for the Commission to review.**

The Historic Preservation Commission Meeting will start at 4pm on November 17th and all applicants are highly encouraged to attend and answer any questions. The virtual meeting information and documents will be posted here: <https://www.meetinginfo.org/meetings/1064>

The application fee for Historic Commission Review is \$200 and can be paid in person with credit card or a check made out to the City of Hartford by scheduling an appointment online (<https://developmentservices.setmore.com/>), by mailing us a check with this email attached to the check and the address referenced to 260 Constitution Plaza, 1st Floor, Hartford, CT 06103 ATTN: Planning Division, or by paying online (<https://hartfordct-energov.tylerhost.net/Apps/SelfService#/payinvoice>) and searching for the invoice number: INV-00054129

Let me know if you have any questions.

Best,

Paige Berschet

Administrative Assistant

City of Hartford - Department of Development Services

Planning & Zoning Division

she/her/hers

260 Constitution Plaza, 1st Floor

oneplan@hartford.gov

Desk: 860-757-9029

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Please be advised that unless it is expressly stated, this correspondence does not constitute a zoning permit, certificate of zoning compliance, certification of a legal nonconforming use, or other approval within the Division's jurisdiction. If a permit or approval is desired, an application, application fee, and all required supporting documentation must be submitted to the Zoning Administrator in accordance with the Hartford Zoning Regulations. Please visit www.hartfordct.gov/dds and click on "Our Services" to begin the application process.

Load Report

Oct 24, 2021

Customer:

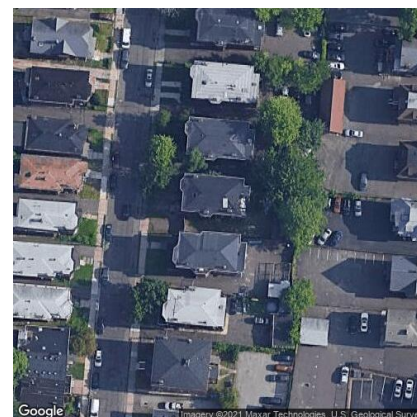
112 Hungerford Street
Hartford, CT, 06106

Company:

Lloyd Thorpe
Designed Air Systems, LLC
18 Staeth Rd
East Hampton, CT , CT, 06424
[8608392021](tel:8608392021)
lloyd@designed-air.com

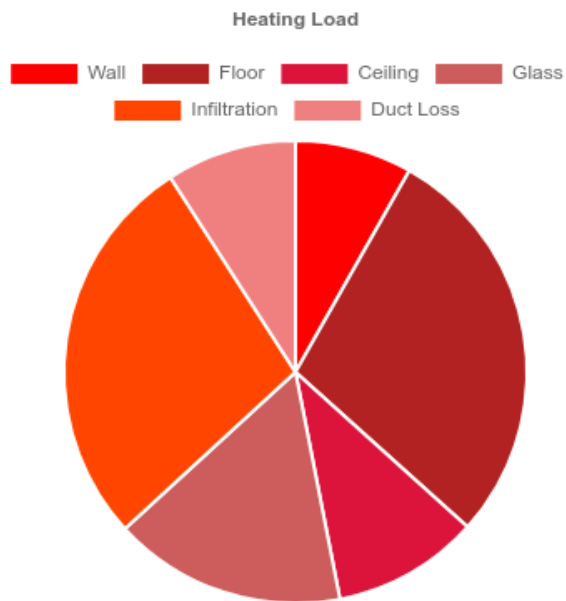
HOUSE AND DESIGN CONDITIONS

Square Feet				4407
Residents				2
Ceiling Height (average)				9
Insulation R-Values:				
	Wall	Floor	Ceiling	
	11	5	22	
Glass U-Value				0.5
Glass Solar Heat Gain Factor (SHGF)				0.85
Glass:	E	N	S	W
	320 sqft	45 sqft	45 sqft	224 sqft
Indoor Design Temperatures			70° _(W) - 75° _(S)	
Indoor Design Temperature Difference				5°F
Outdoor Design Temperatures			6° _(W) - 88° _(S)	
Outdoor Daily Temperature Range				82°F
Grains of Moisture Difference				30
Summer Wet Bulb				72°F



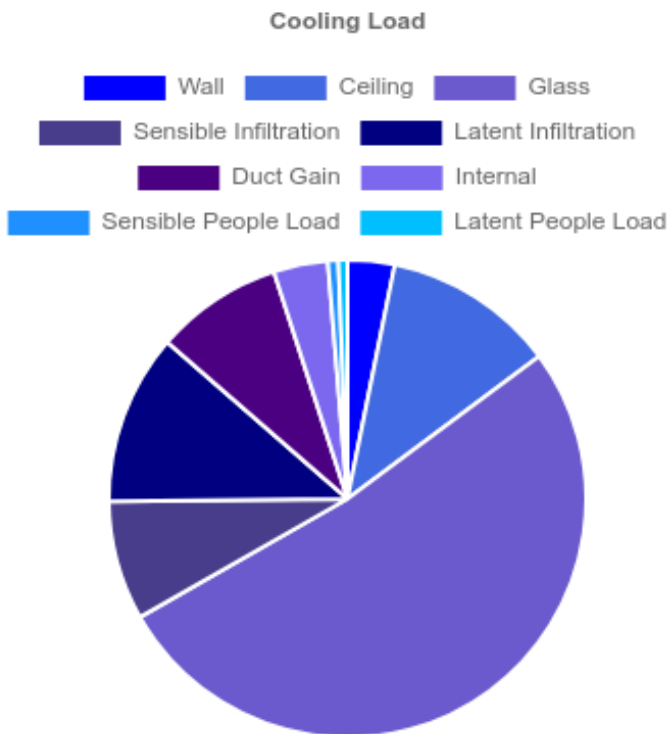
Duct Loss (Heating)	10%
Duct Gain (Cooling)	10%
Winter Ventilation	0 CFM
Summer Ventilation	0 CFM
Cooling Infiltration	0.6 Air Changes/Hour
Heating Infiltration	0.8 Air Changes/Hour
Sensible Heat Ratio (SHR)	0.75

HEATING LOADS



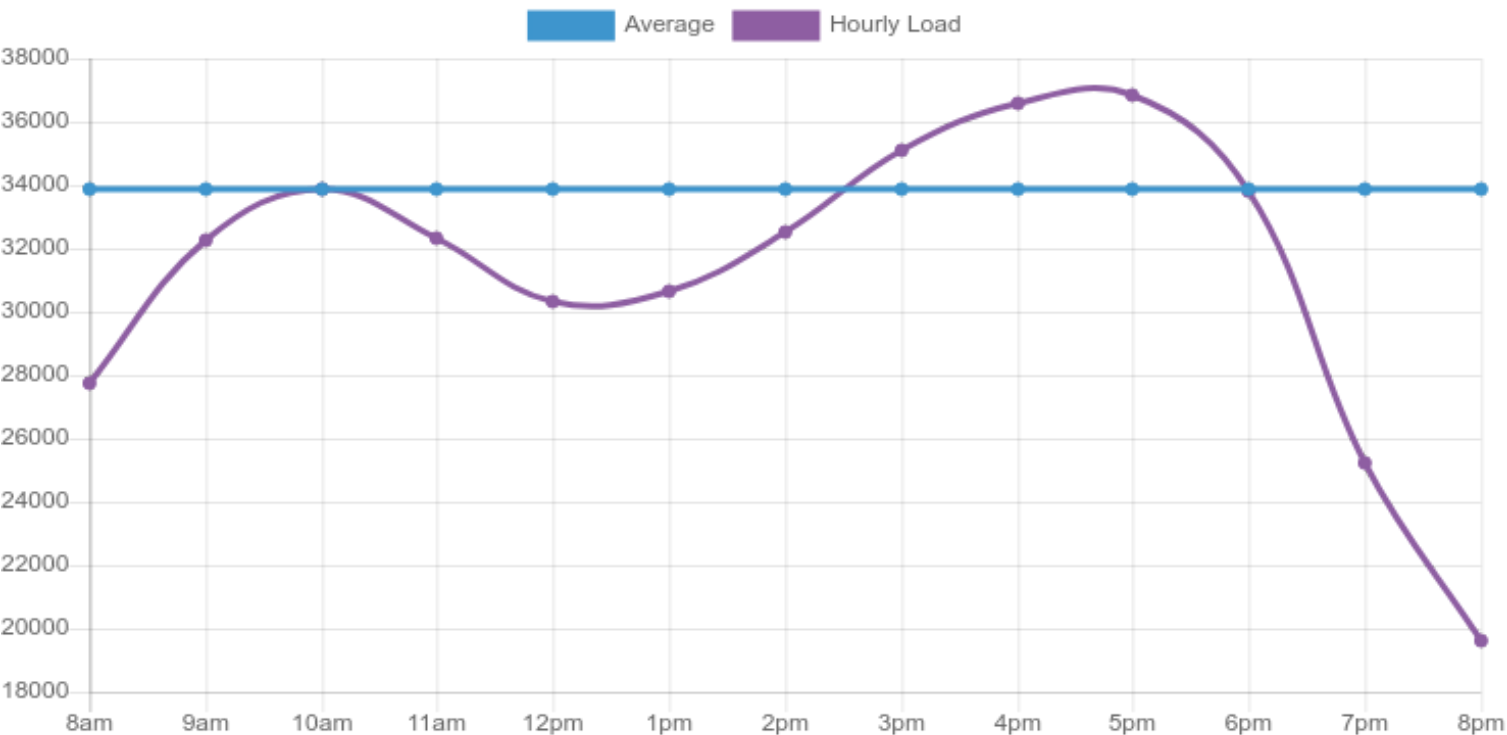
Wall	10,216 BTUh or 8.2%
Floor	35,533 BTUh or 28.5%
Ceiling	12,819 BTUh or 10.3%
Glass	20,288 BTUh or 16.3%
Infiltration	34,624 BTUh or 27.7%
Duct Loss	11,348 BTUh or 9.1%
Total	124,828 BTUh
Required Heating Airflow	1,621 CFM

COOLING LOADS



Wall	2,075 BTUh or 3.2%
Ceiling	7,611 BTUh or 11.7%
Glass	33,897 BTUh or 51.9%
Sensible Infiltration	5,275 BTUh or 8.1%
Latent Infiltration	7,525 BTUh or 11.5%
Duct Gain	5,638 BTUh or 8.6%
Internal	2,400 BTUh or 3.7%
Sensible People Load	460 BTUh or 0.7%
Latent People Load	400 BTUh or 0.6%
Total	65,282 BTUh
Sensible Load	57,357 BTUh
Latent Load	7,925 BTUh
Calculated SHR	0.88
* Cap. at 0.75 SHR	76,476 BTUh or 6.4 tons
Required Cooling Airflow	2,549 CFM
* Total equipment capacity required to have the sensible capacity to cover the sensible cooling load in accordance with industry sizing protocols.	

ADEQUATE EXPOSURE DIVERSITY



CONTRACTOR ALERT: If the hourly glass load exceeds the average glass load at any part of the day, especially in mid to late afternoon, areas of the home may become uncomfortable. You may want to consider a Variable Comfort System (staged or modulating cooling and heating, and variable airflow). You may also want to consider individual room/area temperature controls with temperature sensors or zone control to allow you to control how and when you condition certain rooms/areas. Lastly, you may consider a separate comfort system (ducted or ductless) to condition the problem area.

Software Validation: Data used in the calculation and displayed on the report are sourced from the user-entered data, Google, Zillow, ATTOM, and the NOAA. All calculations comply with all local, state, and federal code requirements and meet or exceed the requirements of the 2012 International Energy Conservation Code (IECC) paragraph 403.6 in their entirety as verified by independent engineer William M. McMahon Jr. P.E. CEM. The programs are appropriately based on HVAC industry-standard heat loss/heat gain engineering formulas coupled with the appropriate weather data, location factors, general home construction materials, and other considerations customarily used in the HVAC industry. While consistent with heat loss/heat gain load calculation formulas from ACCA, this program can be considered as meeting the "other approved heating and cooling calculation methodologies", and therefore does not require approval from ACCA. Further, Paul Welch, P.E.; FL Reg. No. 29945 affirmed that the software computes building heating and cooling loads and sizes equipment in a manner consistent with good engineering practice and approved heating and cooling load calculations methodologies and fully complies with Florida Building Code and Energy Conservation Codes. All computed results are estimates. Product developed and maintained by Energy Design Systems, LLC.



To whom it may concern:

Triton Investment Group LLC, authorize Designed Air Systems to replace furnace and ductwork at 112-114 Hungerford Street Hartford CT 06106. I certify that I am the legal owner of the property for which the house construction is concerned.

A handwritten signature in dark ink, appearing to be "Berthel C Johnson", is written over a series of horizontal lines.

Triton Investment Group LLC

Berthel C Johnson

860-372-1651

From: Lloyd Thorpe <lloyd@designed-air.com>
Sent: Tuesday, October 26, 2021 8:24 AM
To: Berschet, Paige
Subject: Re: 112 Hungerford St - Historic Review Application

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe. Please contact the helpdesk at 860-757-9411 if you have any questions.

Good morning, All three furnaces exhaust and fresh air intake will be on the back left side of the building. It will be sticking out a total of 5 inches of the building. It will be plastic/PVC round 2 inch pipes. It will be a total of six holes, 2 inches in diameter and again it will be on the left side of the building in the far back.

On Mon, Oct 25, 2021 at 3:04 PM Berschet, Paige <Paige.Berschet@hartford.gov> wrote:

Hello Lloyd,

Thank you for submitting your Historic Review Application for [112 Hungerford St](#). Are any of the proposed work/changes exterior and visible to the street?

Best,

Paige Berschet

Administrative Assistant

City of Hartford - Department of Development Services

Planning & Zoning Division

she/her/hers

[260 Constitution Plaza](#), 1st Floor

oneplan@hartford.gov

Desk: 860-757-9029

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Sent from Gmail Mobile