

HDC

ADMINISTRATIVE APPROVALS

May 04, 2022

- | | | |
|----|--------------------------------------|-----------------------|
| 1. | 60 Penhallow Street (LUHD-464) | -Recommended Approval |
| 2. | 303 Pleasant Street (LUHD-448) | -Recommended Approval |
| 3. | 333 Marcy Street (LUHD-466) | -Recommended Approval |
| 4. | 29 Vaughan Street (LUHD-467) | -Recommended Approval |
| 5. | 17 South Street (LUHD-468) | -Recommended Approval |
| 6. | 414 State Street, Unit #4 (LUHD-449) | -Recommended Approval |

1. 60 Penhallow Street - Recommended Approval

Background: The applicant is seeking approval for changes to a previously approved design

Stipulations:

1. _____
2. _____
3. _____



City of Portsmouth, NH

04/28/2022

LUHD-464

Historic District Commission Work Session or Administrative Approval Application

Status: Active**Date Created:** Apr 15, 2022**Applicant**

Tracy Kozak
tracyskozak@gmail.com
3 Congress Street, Suite 1
Portsmouth, New Hampshire 03801
603-731-5187

Location

60 PENHALLOW ST
Portsmouth, NH 03801

Owner:

DAGNY TAGGART LLC
3 PLEASANT ST PORTSMOUTH, NH 03801

Application Type**Please select application type from the drop down menu below**

Administrative Approval

Alternative Project Address

--

Project Information**Brief Description of Proposed Work**

Minor revisions to previously approved application - at roof, remove solar panels, add vent stacks.

Description of Proposed Work (Planning Staff)

--

Project Representatives**Relationship to Project**

Architect

If you selected "Other", please state relationship to project.

--

Full Name (First and Last)

Tracy Kozak

Business Name (if applicable)

--

Mailing Address (Street)

273 Corporate Dr

City/Town

Portsmouth

State

NH

Zip Code

03801

Phone

603.731.5187

Email Address

tracy.kozak@arcove.com

Acknowledgement**I certify that the information given is true and correct to the best of my knowledge.****By checking this box, I agree that this is equivalent to a handwritten signature and is binding for all purposes related to this transaction****I hereby certify that as the applicant for permit, I am**

Other

60 PENHALLOW STREET

AT

BRICK MARKET

HDC REVISION 4 - APRIL 14, 2022

HDC - APRIL 2022 SHEET LIST	
Sheet Number	Sheet Name
H1.1	COVER
H1.2A	ROOF PLAN - PREVIOUS
H1.2B	ROOF PLAN - PROPOSED
H2.1A	EAST ELEVATION (PENHALLOW ST) PREVIOUS
H2.1B	EAST ELEVATION (PENHALLOW ST) PROPOSED
H2.2A	SOUTH ELEVATION (SOUTH ALLEY) PREVIOUS
H2.2B	SOUTH ELEVATION (SOUTH ALLEY) PROPOSED
H3.1A	PERSPECTIVES - PREVIOUS
H3.1B	PERSPECTIVES - PROPOSED
H3.2	SITE PHOTOS & CUT SHEET



SUMMARY OF REVISIONS

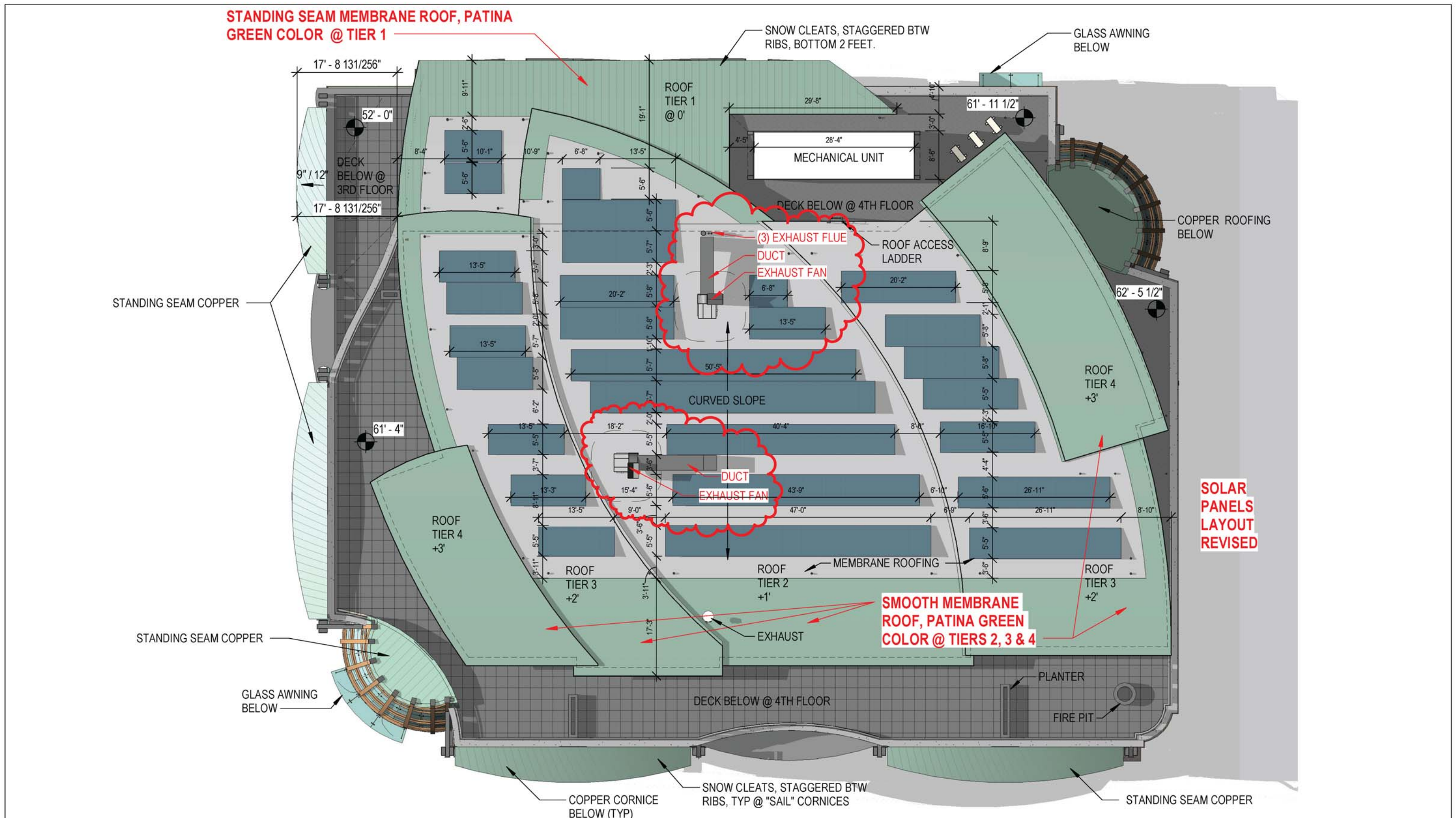
- 1. Removed (4) solar panels in response to Portsmouth's Fire Department comments.
- 2. Added fireplace flue at roof for tenant fitout
- 3. Added (2) Boiler flues at roof per coordination with manufacturer

H1.1

COVER

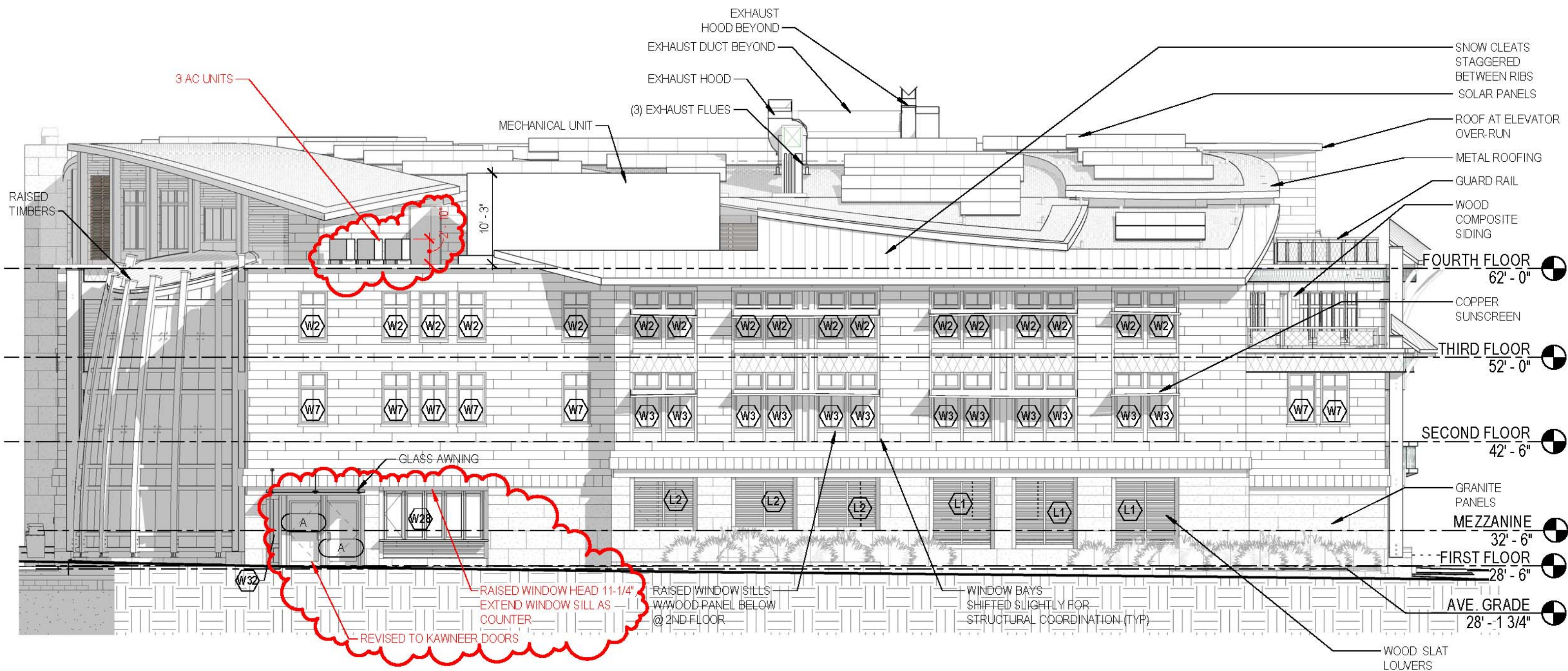
60 PENHALLOW STREET at BRICK MARKET

HDC Revision 4, 04/14/2022



PREVIOUSLY APPROVED

<p>H1.2A</p>	<p>ROOF PLAN - PREVIOUS</p> <p>60 PENHALLOW STREET at BRICK MARKET</p> <p>HDC Revision 4, 04/14/2022</p>
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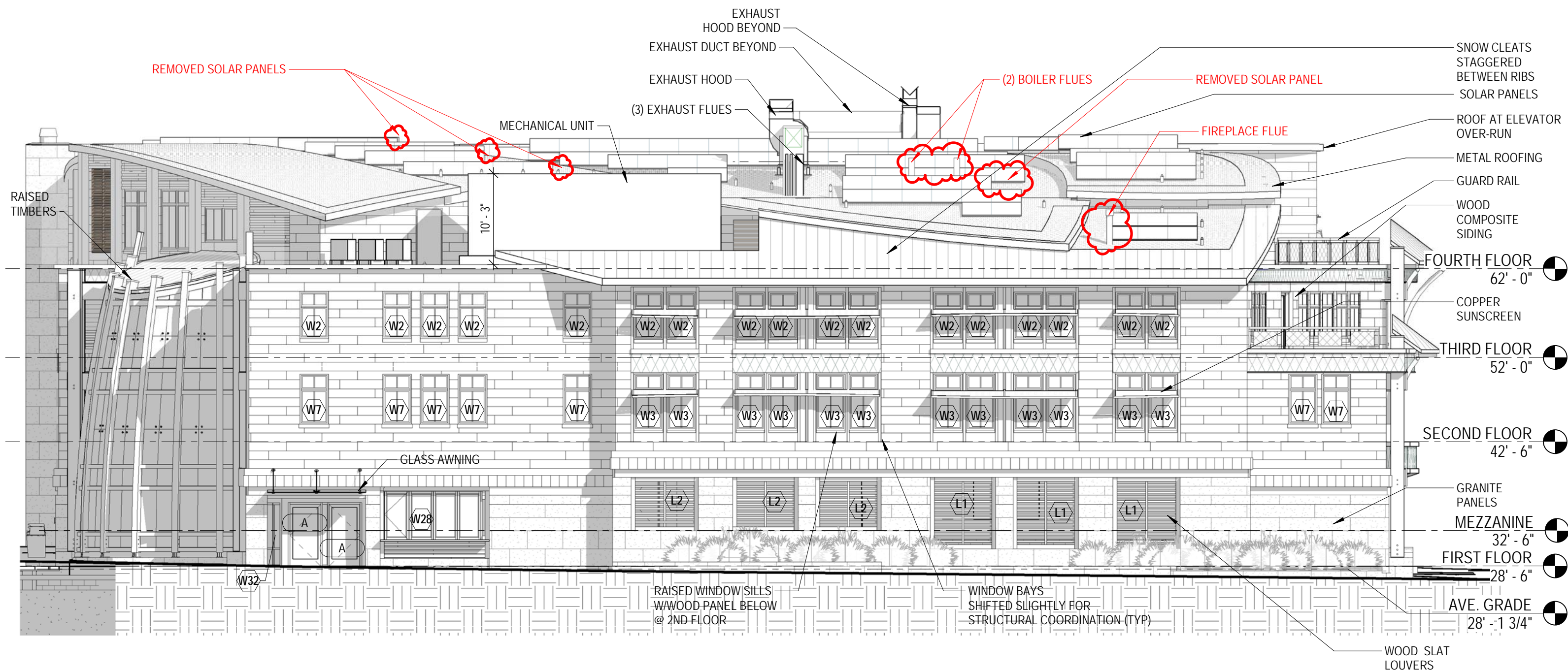
1 SOUTH ELEVATION - ALLEY
3/32" = 1'-0"

PREVIOUSLY APPROVED

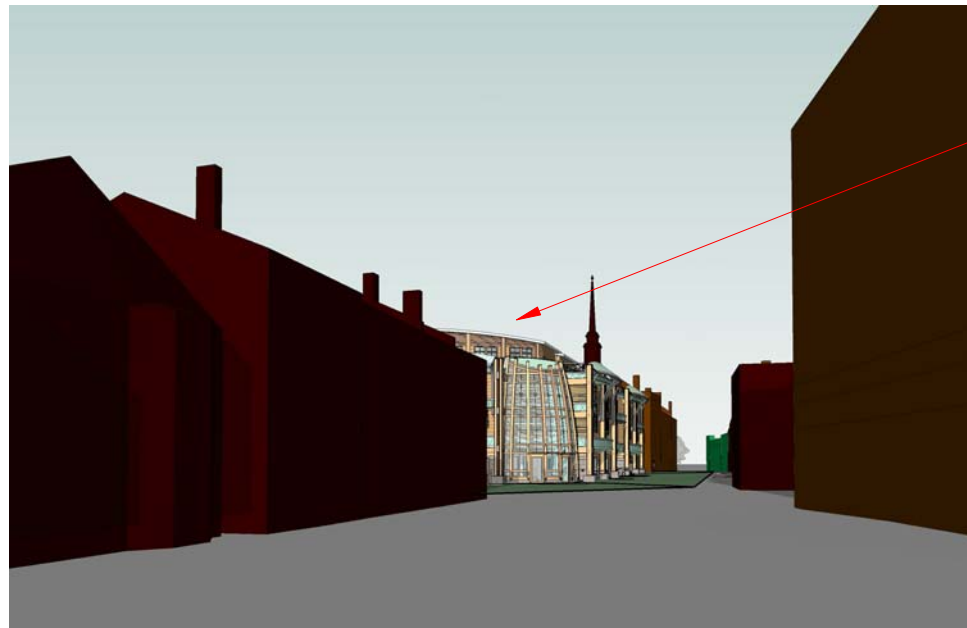
H2.2A

SOUTH ELEVATION (SOUTH ALLEY) PREVIOUS

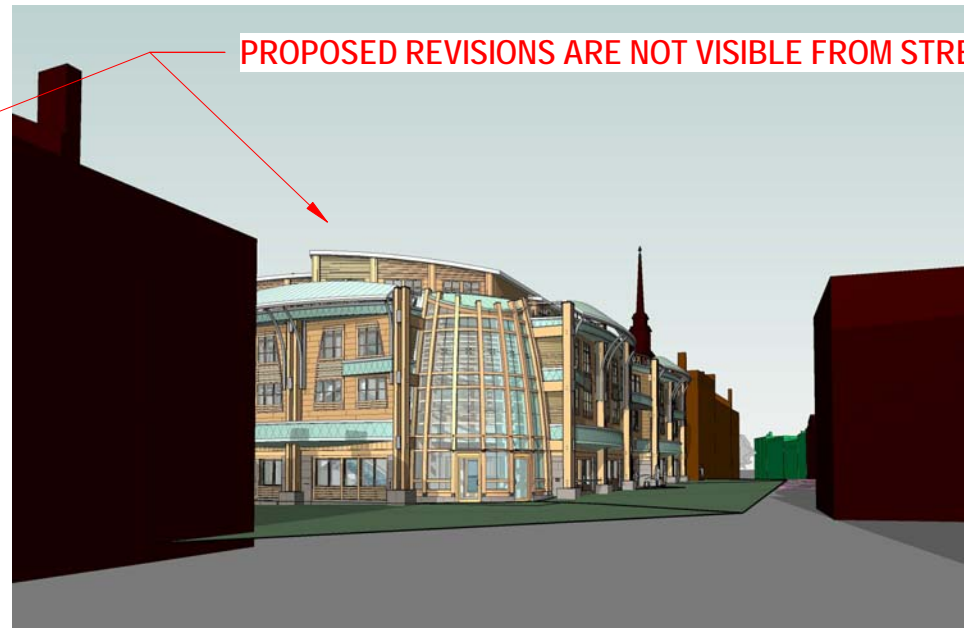
60 PENHALLOW STREET at BRICK MARKET
HDC Revision 4, 04/14/2022



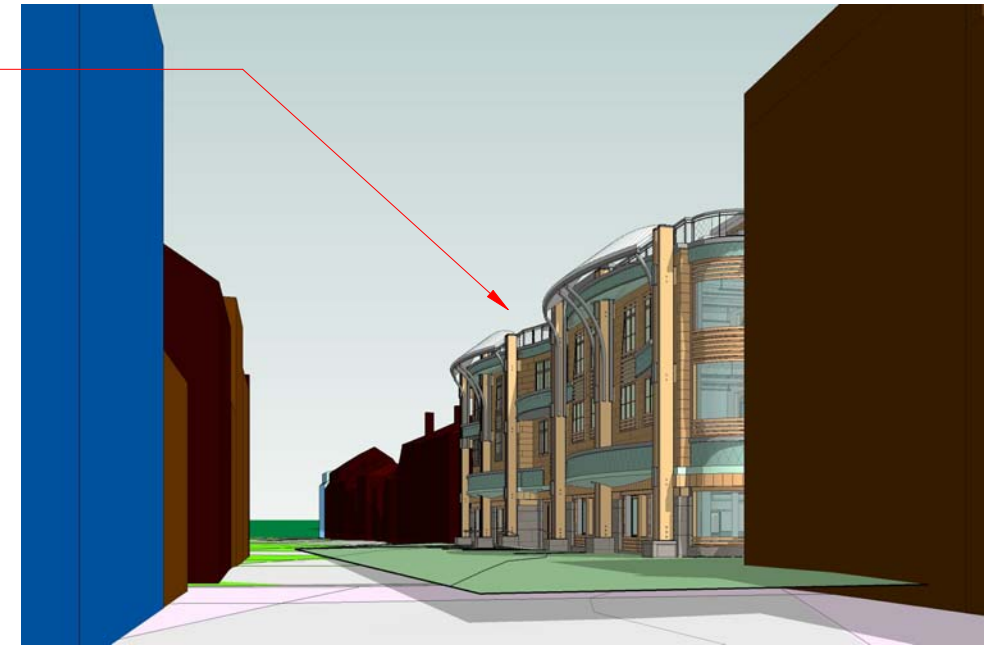
1 SOUTH ELEVATION - ALLEY
3/32" = 1'-0"



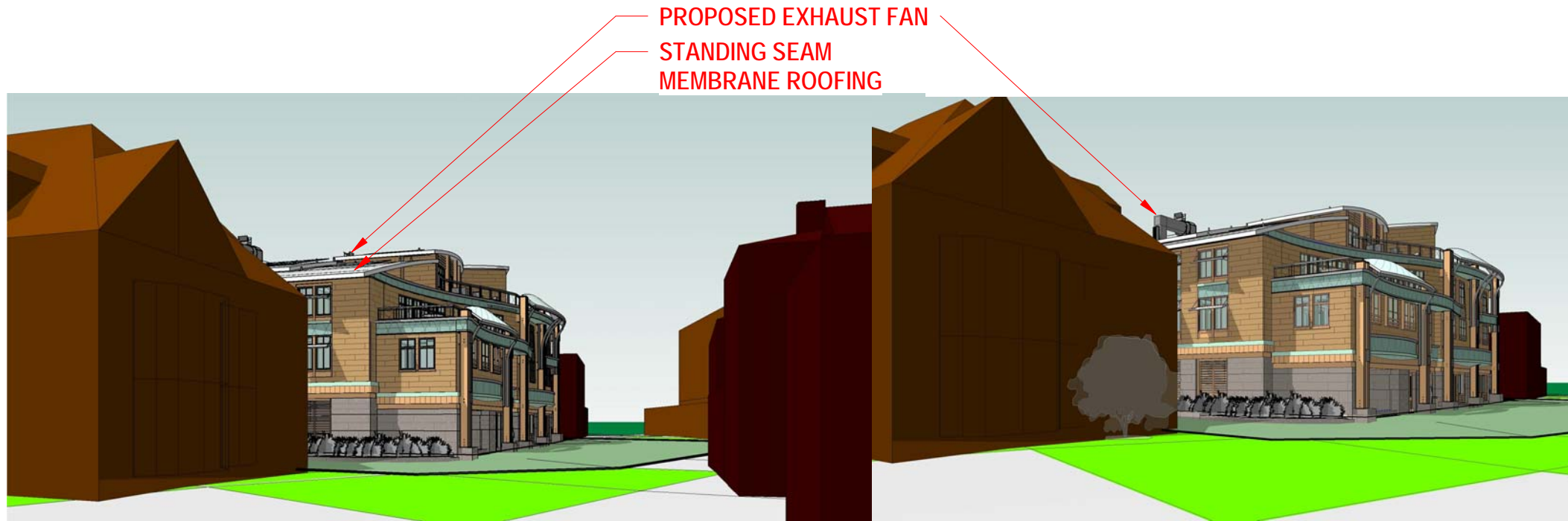
1
NE DANIEL STREET



2



3



4
60P from State Street at Penhallow HDC

5



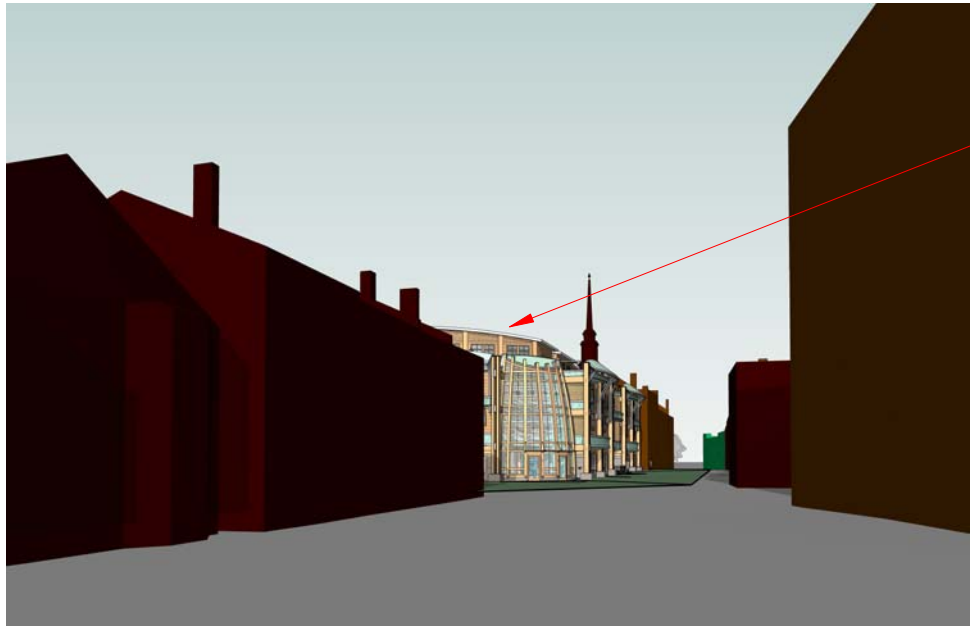
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PREVIOUSLY APPROVED

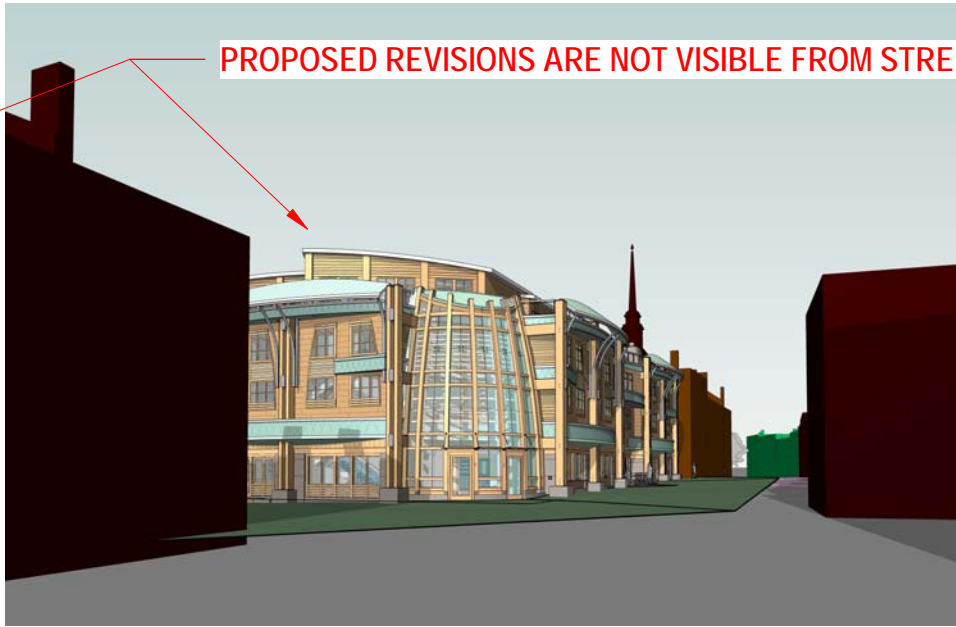
H3.1A

PERSPECTIVES - PREVIOUS

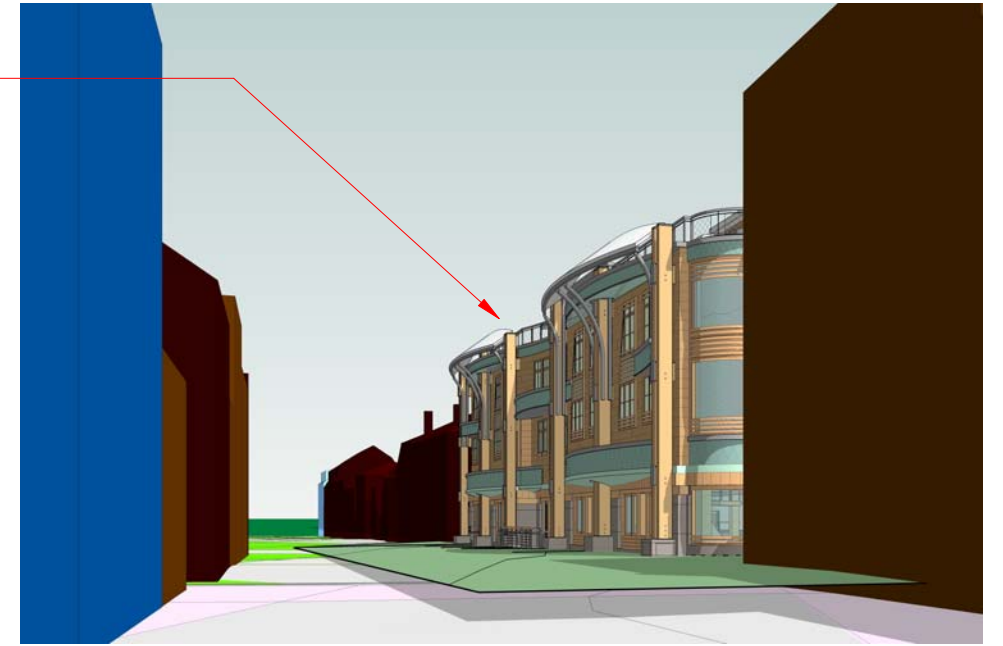
60 PENHALLOW STREET at BRICK MARKET
HDC Revision 4, 04/14/2022



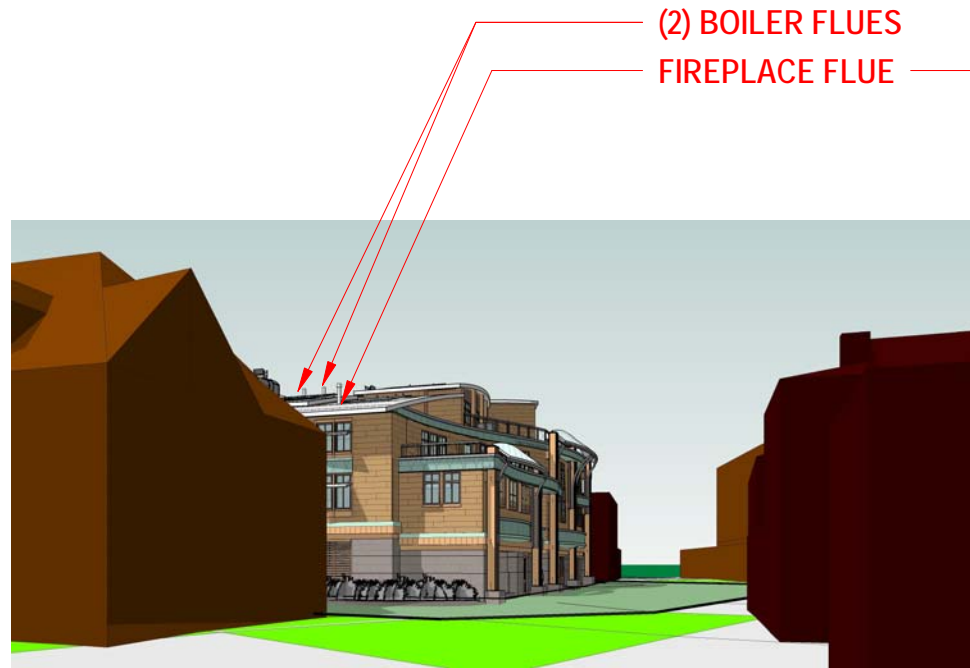
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NE DANIEL STREET



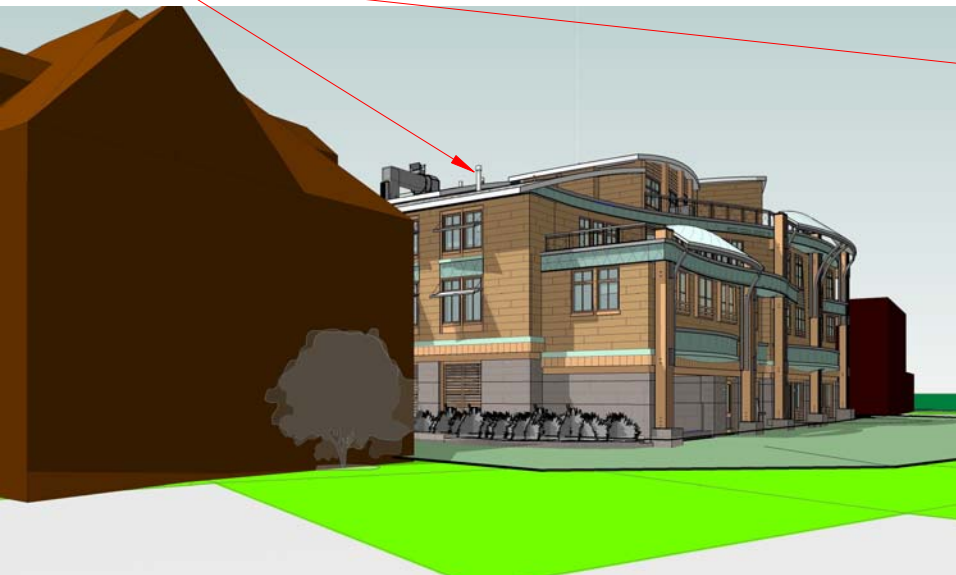
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3



4
60P from State Street at Penhallow HDC



5



6

H3.1B

PERSPECTIVES - PROPOSED

60 PENHALLOW STREET at BRICK MARKET
HDC Revision 4, 04/14/2022

High-Wind Termination Cap



Use for vertical terminations only. Provides improved performance in high wind conditions. For vertical terminations only. Available in aluminum.

SIZE	ORDER #	STOCK #	A	B	C	D
4" x 6 5/8"	46DVA-VCH	810001359	12 3/8"	6 5/8"	7 5/8"	10 1/2"
5" x 8"	58DVA-VCH	810001432	12 3/8"	8"	7 5/8"	10 1/2"

TERMINATION CAP PHOTO



60P from State Street Site photos

2. 303 Pleasant Street

- Recommended Approval

Background: The applicant is seeking approval for the installation of 30' of new white cedar fencing in the southwest corner of the property.

Staff Comment: Recommended Approval

Stipulations:

1. _____
2. _____
3. _____

**LUHD-448**

Historic District Commission Work Session or Administrative Approval Application

Status: Active**Date Created:** Mar 22, 2022**Applicant**

Mary Thomas
sarmcmatt@gmail.com
303 Pleasant Street
Portsmouth, NH 03801
603-969-3583

Location

303 PLEASANT ST
Portsmouth, NH 03801

Owner:

THOMAS GREGORY R & THOMAS MARY D
303 PLEASANT ST PORTSMOUTH, NH 03801

Application Type**Please select application type from the drop down menu below**

Administrative Approval

Alternative Project Address

--

Project Information**Brief Description of Proposed Work**

Add approximately 30 linear feet of 4' tall privacy fence and custom gate from one southwest corner of property in northeasterly direction to terminate at corner of brick residence, as per plan. Fencing material and gate to be made of northern white cedar to enhance Japanese aesthetic.

Description of Proposed Work (Planning Staff)

--

Project Representatives**Relationship to Project**

Other

If you selected "Other", please state relationship to project.

landsape construction

Full Name (First and Last)

Mark Hogan

Business Name (if applicable)

Piscataqua Landscaping

Mailing Address (Street)

26 MacClellan Lane

City/Town

Eliot

State

ME

Zip Code

03903

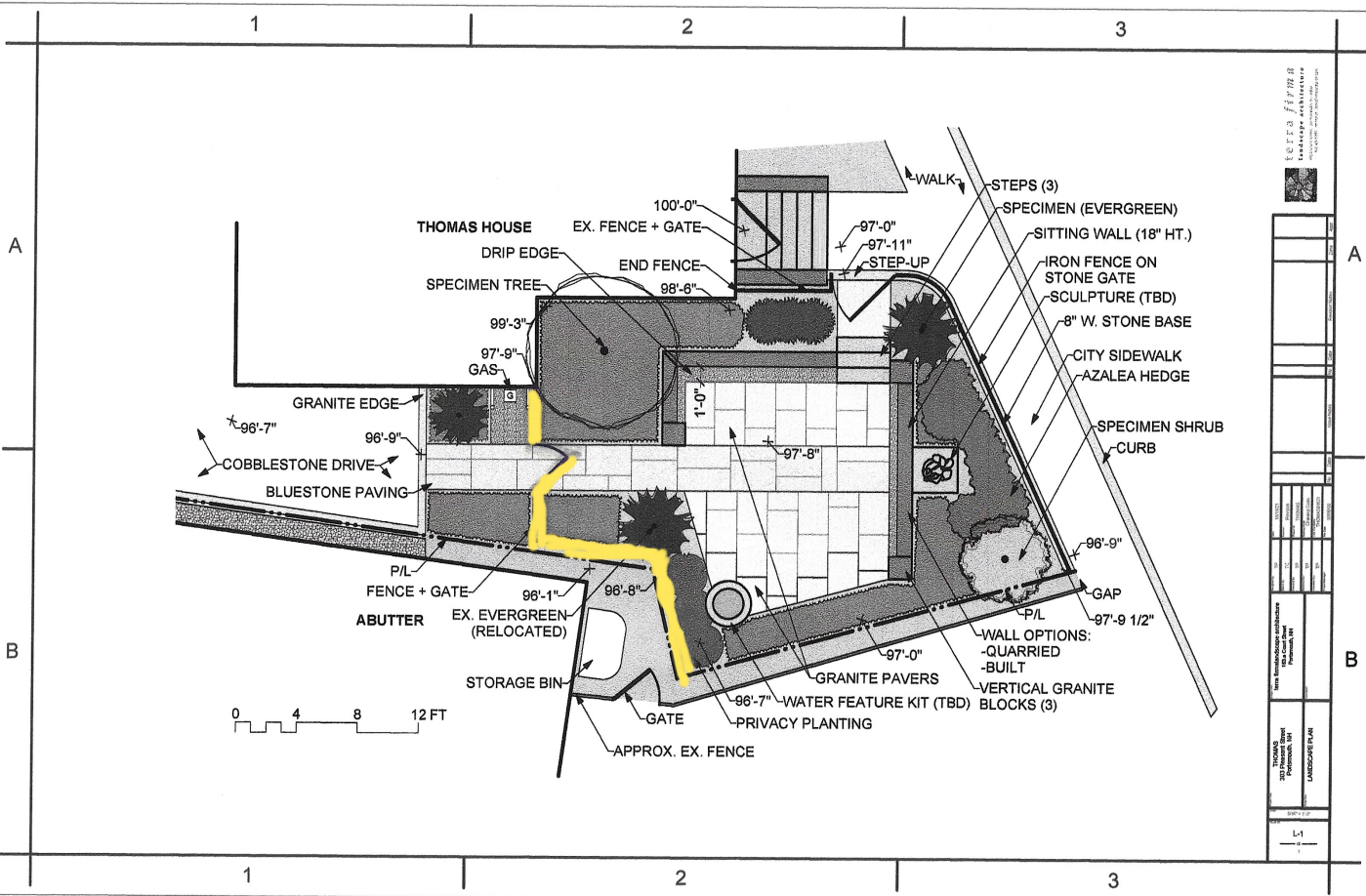
Phone

207-439-2241

Email Address

mhogan@piscataqualandscaping.com

Acknowledgement**I certify that the information given is true and correct to the best of my knowledge.****By checking this box, I agree that this is equivalent to a handwritten signature and is binding for all purposes related to this transaction****I hereby certify that as the applicant for permit, I am**



THOMAS 1525 Johnson Ave. Pawnee, NE		Non Remedial Activities Hazardous Waste Removal Unit		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 Johnson Ave. Pawnee, NE		1525 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3. 333 Marcy Street - Recommended Approval

Background: The applicant is seeking approval for the installation of mechanical equipment.

Staff Comment: Recommended Approval

Stipulations:

1. _____
2. _____
3. _____

**LUHD-466**

Historic District Commission Work Session or Administrative Approval Application

Status: Active**Date Created:** Apr 22, 2022**Applicant**

Heritage Home Service
permits@justcallheritage.com
28 Commercial Ct.
Auburn, NH 03032
603-647-4881

Location

333 MARCY ST
Portsmouth, NH 03801

Owner:

DIKA FAMILY TRUST FUND & DIKA JOHN A & SANDRA S TRUSTEES
333 MARCY ST PORTSMOUTH, NH 03801

Application Type**Please select application type from the drop down menu below**

Administrative Approval

Alternative Project Address

--

Project Information**Brief Description of Proposed Work**

Installing a replacement Natural gas furnace and a new Amana AC system,
Installing a direct replacement of a 40 gallon electric water heater

Description of Proposed Work (Planning Staff)

--

Project Representatives**Relationship to Project**

Other

If you selected "Other", please state relationship to project.

Project Manager

Full Name (First and Last)

William Landry

Business Name (if applicable)

Heritage Home Service

Mailing Address (Street)

28 Commercial Court

City/Town

Auburn

State

NH

Zip Code

03032

Phone

603-339-7688

Email Address

wlandry@justcallheritage.com

Acknowledgement**I certify that the information given is true and correct to the best of my knowledge.****By checking this box, I agree that this is equivalent to a handwritten signature and is binding for all purposes related to this transaction****I hereby certify that as the applicant for permit, I am**

Proposed location of exterior line set and condenser

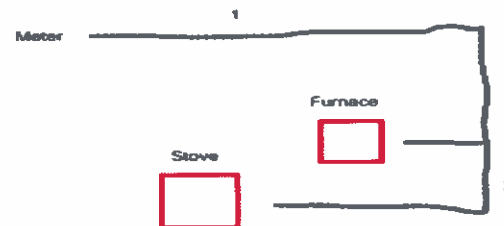


Existing Condensate termination



CALCULATION WORKSHEET: PIPE SIZING, LONGEST LENGTH METHOD

- Step 1:**
- Draw a sketch of a piping system in the space to the right. Use the back of this page or a separate sheet if more space is needed.



- Step 2:**
- Enter the system information. Note that demand is the amount of gas flowing through a section of pipe.
 - Use total Btu/hr rating/1000 (ft³/hr) for natural gas.
 - Use total Btu/hr for propane.

- Step 3:**
- Determine the gas used and system pressure, and enter it to the right.
 - Determine the piping material and enter it to the right.
 - Select the appropriate pipe sizing table from Chapter 6 and enter it to the right.

Pipe system sketch

Gas: _____

System pressure: _____

Piping material: _____

Table used: _____

Pressure drop: _____

- Step 4:**
- On the sketch, label the section of pipe from the point of delivery (meter or regulator) to the first tee as Section 1.
 - Label the section from the first tee to the second tee as Section 3. Use similar section numbers for additional sections.

Table 1 Piping System Table

Section	Demand	Section length	Size
1			
2			
3			
4			
5			

- Step 5:**
- Determine the longest length of piping from the point of delivery to the most remote appliance. Enter this length for all pipe sections in Table 1.

- Step 6:**
- Enter the input rating for each appliance in Table 2. For natural gas appliances, enter the input rating in Btu/hr/1000 (ft³/hr). For propane appliances, enter the input rating in Btu/hr.

Table 2 Appliances Table

Appliance	Demand	Section length	Size
Furnace			
Furnace			
Water heater			
Water heater			
Range			
Oven			
Dryer			
Other			
Other			
Other			
Other			
Total			

- Step 7:**
- From the table, determine the length of each pipe section using the appropriate table, using only the row with the longest length. Round up to the lengths in the table. Read across until a capacity equal to or greater than the required demand for the section is found. Read up to find the size. Repeat for each section of piping. Enter this size in Table 2.

Job: _____ **Prepared by:** _____ **Date:** _____



Project Report

General Project Information

Project Title: Dika
 Designed By: Bill Landry
 Project Date: Friday, December 31, 2021
 Company Name: Heritage Phce
 Company Representative: Bill Landry
 Company Address: 28 Commercial Court
 Company City: Auburn NH 03032
 Company Phone: 603-668-4438
 Company Fax: 603-627-2140
 Company E-Mail Address: wlandry@justcallheritage.com
 Company Website: justcallheritage.com

Design Data

Reference City: Manchester Grenier AFB, New Hampshire
 Building Orientation: Front door faces West
 Daily Temperature Range: Medium
 Latitude: 43 Degrees
 Elevation: 233 ft.
 Altitude Factor: 0.992

	Outdoor Dry Bulb	Outdoor Wet Bulb	Outdoor Rel Hum	Indoor Rel Hum	Indoor Dry Bulb	Grains Difference
Winter:	-20	-20	n/a	n/a	72	n/a
Summer:	95	75	40%	50%	75	34

Check Figures

Total Building Supply CFM:	924	CFM Per Square ft.:	0.876
Square ft. of Room Area:	1,368	Square ft. Per Ton:	611
Volume (ft³):	11,057		

Building Loads

Total Heating Required Including Ventilation Air:	48,003 Btuh	48,003 MBH
Total Sensible Gain:	20,159 Btuh	93 %
Total Latent Gain:	1,438 Btuh	7 %
Total Cooling Required Including Ventilation Air:	21,598 Btuh	2.24 Tons (Based On 75% Sensible Capacity)

Notes

Rhvac is an ACCA approved Manual J and Manual D computer program.
 Calculations are performed per ACCA Manual J 8th Edition, Version 2, and ACCA Manual D.
 All computed results are estimates as building use and weather may vary.
 Be sure to select a unit that meets both sensible and latent loads according to the manufacturer's performance data at your design conditions.



Manual S Performance Data - System 1

Loads and Design Conditions

Cooling:			
Outdoor Dry Bulb:	0	Sensible Gain:	20,159
Outdoor Wet Bulb:	75	Latent Gain:	1,438
Indoor Dry Bulb:	75	Total Gain:	21,598
Indoor RH:	50	Load SHR:	0.93
Supply Airflow:	0	Entering Dry Bulb:	0
		Entering Wet Bulb:	0

Heating:			
Outdoor Dry Bulb:	-20	Sensible Loss:	48,003
Indoor Dry Bulb:	72	Entering Dry Bulb:	72.0
Indoor RH:	45	Supply Airflow:	917

Equipment Performance Data at System Design Conditions

Cooling:
Model Type: Standard Air Conditioner, Model: ASX160311, Nominal Capacity: 30,000, Manufacturer: AMANA

Interpolation Results:

		Load	Percent of Load
Sensible Capacity:	0	20,159	0%
Latent Capacity:	0	1,438	0%
Total Capacity:	0	21,598	0%

Heating:
Model Type: Two Stage Furnace, Model: AMVM960603BN, Nominal Capacity: 60,000, Manufacturer: AMANA

Results:

		Load	Percent of Load
Heating Capacity:	60,000	48,003	125%



System 1 Room Load Summary

Room No.	Room Name	Area SF	Htg Sens Btuh	Min Htg CFM	Run Duct Size	Run Duct Vel	Cig Sens Btuh	Cig Lat Btuh	Min Cig CFM	Act Sys CFM
---Zone 1---										
1	Living	117	6,156	118	2-6	301	2,575	66	118	118
2	Dining	195	6,112	117	1-6	394	1,887	74	77	77
3	Hall	84	1,914	37	1-6	113	485	16	22	22
4	Den	154	6,484	124	2-6	357	3,059	66	140	140
5	Kitchen	140	6,484	124	2-6	486	4,161	64	191	191
6	Bedroom 1	160	5,487	105	1-6	527	2,258	99	103	103
7	Hall	75	1,859	36	1-6	179	767	27	35	35
8	Bath 1	78	1,030	20	1-6	111	477	16	22	22
9	Office	104	3,065	59	1-6	225	963	56	44	44
10	Attic Bed	126	4,612	88	1-6	434	1,860	98	85	85
11	Storage	135	4,796	92	1-6	436	1,867	103	86	86
Duct Latent								753		
System 1 total		1,368	48,003	917			20,159	1,438	924	924

System 1 Main Trunk Size: 20x8 in.
Velocity: 832 ft/min
Loss per 100 ft.: 0.093 in.wg

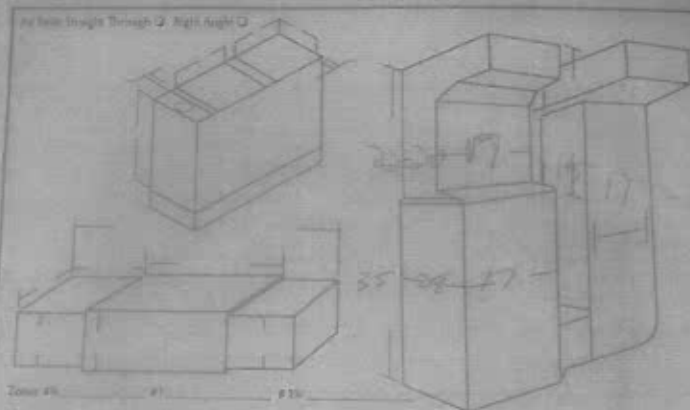
Cooling System Summary

	Cooling Tons	Sensible/Latent Split	Sensible Btuh	Latent Btuh	Total Btuh
Recommended	2.24	75% / 25%	20,159	6,720	26,879
Actual	2.50				30,000

Equipment Data

	Heating System	Cooling System
Type:	Propane Furnace	Standard Air Conditioner
Model:	AMVMS960603BN	
Indoor Model:		
Brand:		
Efficiency:	0 AFUE	0 SEER
Sound:	0	0
Capacity:	60,000 Btuh	30,000 Btuh
Sensible Capacity:	n/a	0 Btuh
Latent Capacity:	n/a	0 Btuh

Engineering forms



Zone #	#1	#10
Area / W	10	11
Location	North	
Plan of Building	Top of Building	
AC Model #	Serial #	Size of AC System
Number of Tons or BTUs of cooling	Electrical Panel Location	
AC Model #	Serial #	Size of AC System
Number of Tons or BTUs of cooling	Electrical Panel Location	
AC Model #	Serial #	Size of AC System
Number of Tons or BTUs of cooling	Electrical Panel Location	
AC Model #	Serial #	Size of AC System
Number of Tons or BTUs of cooling	Electrical Panel Location	

Water Heater	Temperature	Capacity	Location
Make	Model	Serial #	Age of Water Heater
Notes			

NOTES: 7-2-2010 - 10 - 10

Existing Direct venting, interior



Existing direct venting, exterior



4. 29 Vaughan Street - Recommended Approval

Background: The applicant is seeking approval for the replacement of the upper and lower glass panels of the store front.

Staff Comment: Recommended Approval

Stipulations:

1. _____
2. _____
3. _____

**LUHD-467**

Historic District Commission Work Session or Administrative Approval Application

Status: Active**Date Created:** Apr 26, 2022**Applicant**

Laura Ludes
ludesl@comcast.net
PO Box 822
New Castle, NH 03854
603-498-4685

Location

29 VAUGHAN ST
Portsmouth, NH 03801

Owner:

SJW LTD & C/O GENE FISK & ASSOCIATES LLC
4 GREENLEAF WOODS DR STE 102 PORTSMOUTH, NH 03801

Application Type**Please select application type from the drop down menu below**

Administrative Approval

Alternative Project Address

Unit #35

Project Information**Brief Description of Proposed Work**

Replace upper glass and bottom panel with single pane of glass (Unit #35).

Description of Proposed Work (Planning Staff)

--

Project Representatives**Relationship to Project**

Other

If you selected "Other", please state relationship to project.

Leasee

Full Name (First and Last)

Joan Dickinson

Business Name (if applicable)

J. Hilburn

Mailing Address (Street)

220 Walker Bungalow Road

City/Town

Portsmouth

State

NH

Zip Code

03801

Phone

603-858-5626

Email Address

joan.dickinson@comcast.net

Acknowledgement**I certify that the information given is true and correct to the best of my knowledge.****By checking this box, I agree that this is equivalent to a handwritten signature and is binding for all purposes related to this transaction****I hereby certify that as the applicant for permit, I am**

Other

Supporting Materials for Glass Replacement
29 Vaughan St. – Unit #35



**GRANITE
STATE
GLASS**

1 Mirona Rd.
Portsmouth, NH 03801

(603) 436-0001 Phone
(603) 373-6539 Fax

Proposal

Proposal Submitted To:
Joanie Dickinson
Quote #:
R22-13680 REV-1 (422/22)

Job Name:
Joanie Dickinson

Date:
4/21/2022

We hereby submit specifications and estimates for:

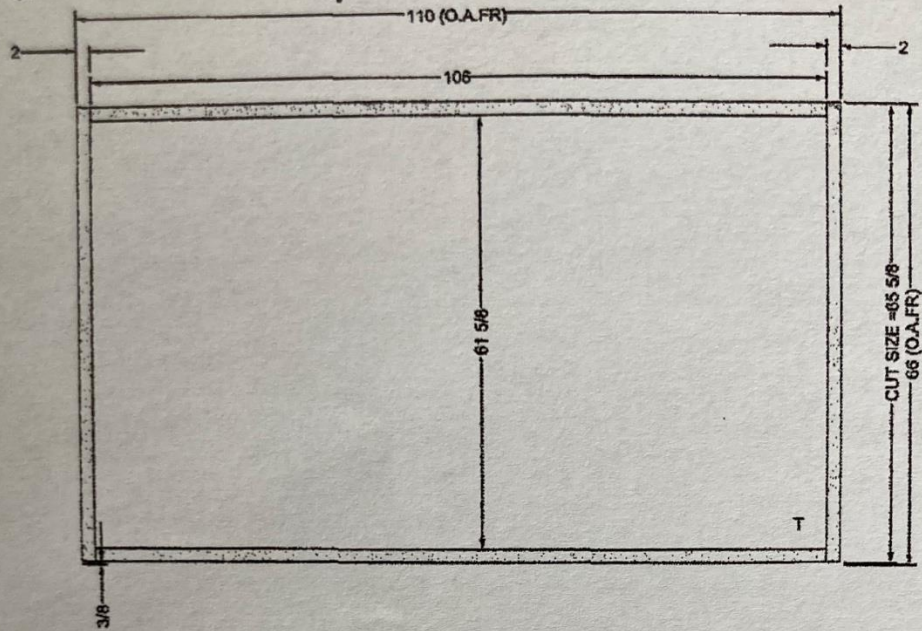
Furnish and Install:

- One (1) **EFCO 403** storefront frame sized approximately 110" x 66". See elevation 'SF1' for approximate size and configuration.
- Frame finish to be **EFCO Clear Anodized**.
- Glazing to be **1" Insulated Clear Laminated Unit**.
- Caulking to be **Dowsil CWS**, color to match.
- (1) pc of **Llumar Dual Reflective Vista Series Film** approx. **46 Sq ft.**

Project Name - 13680 Joanie Dickinson

SF1

Qty: 1





5. 17 South Street - Recommended Approval

Background: The applicant is seeking approval for the replacement of the existing fence.

Staff Comment: Recommended Approval

Stipulations:

1. _____
2. _____
3. _____



City of Portsmouth, NH

04/28/2022

LUHD-468

Historic District Commission Work Session or Administrative Approval Application

Status: Active**Date Created:** Apr 27, 2022**Applicant**

Kristin Goodwillie
kristin.goodwillie@gmail.com
17 South Street
Portsmouth, NH 03801
6037816827

Location

17 SOUTH ST
Portsmouth, NH 03801

Owner:

Kristin W Goodwillie
17 South Street Portsmouth, NH 03801

Application Type**Please select application type from the drop down menu below**

Administrative Approval

Alternative Project Address

--

Project Information**Brief Description of Proposed Work**

Replace current wooden fence with a natural cedar fence

Description of Proposed Work (Planning Staff)

--

Project Representatives**Relationship to Project**

Owner

If you selected "Other", please state relationship to project.

--

Full Name (First and Last)

Kristin Goodwillie

Business Name (if applicable)

Millgate Condominium Association

Mailing Address (Street)

17 South Street

City/Town

Portsmouth

State

NH

Zip Code

08301

Phone

6037816827

Email Address

kristin.goodwillie@gmail.com

Acknowledgement**I certify that the information given is true and correct to the best of my knowledge.****By checking this box, I agree that this is equivalent to a handwritten signature and is binding for all purposes related to this transaction****I hereby certify that as the applicant for permit, I am**

Owner of this property



Existing Fence.



Proposed Fence.

6. 414 State Street - Recommended Approval

Background: The applicant is seeking approval for the installation of HVAC equipment on the second floor.

Staff Comment: Recommended Approval

Stipulations:

1. _____
2. _____
3. _____

**LUHD-449**

Historic District Commission Work Session or Administrative Approval Application

Status: Complete**Date Created:** Mar 22, 2022**Applicant**

Jeremiah Comeford
jeremiah@prohvac1.com
PO Box 1173
Dover, NH 03821
603-743-4822

Location

414 STATE ST Unit 4
Unit 4
Portsmouth, NH 03801

Owner:

PIEL CARL-HENRY & KENDALL-PIEL COLLEEN
414 STATE ST UNIT 4 PORTSMOUTH, NH 03801

Application Type**Please select application type from the drop down menu below**

Administrative Approval

Alternative Project Address

--

Project Information**Brief Description of Proposed Work**

Install a ductless heat pump in the 2nd floor front living room on the inside back wall of the room. Install Fortress pipe chase down the outside wall to the condenser on a heat pump stand on the right side of the building. Enclose the condenser and stand. Paint the Fortress the same color as the building.

Description of Proposed Work (Planning Staff)

the installation of HVAC equipment on the second floor

Project Representatives**Relationship to Project**

Other

If you selected "Other", please state relationship to project.

installation contractor

Full Name (First and Last)

Mike Meserve

Business Name (if applicable)

Prohvac LLC

Mailing Address (Street)

PO Box 1173

City/Town

Dover

State

NH

Zip Code

03821

Phone

603-507-0908

Email Address

jeremiah@prohvac1.com

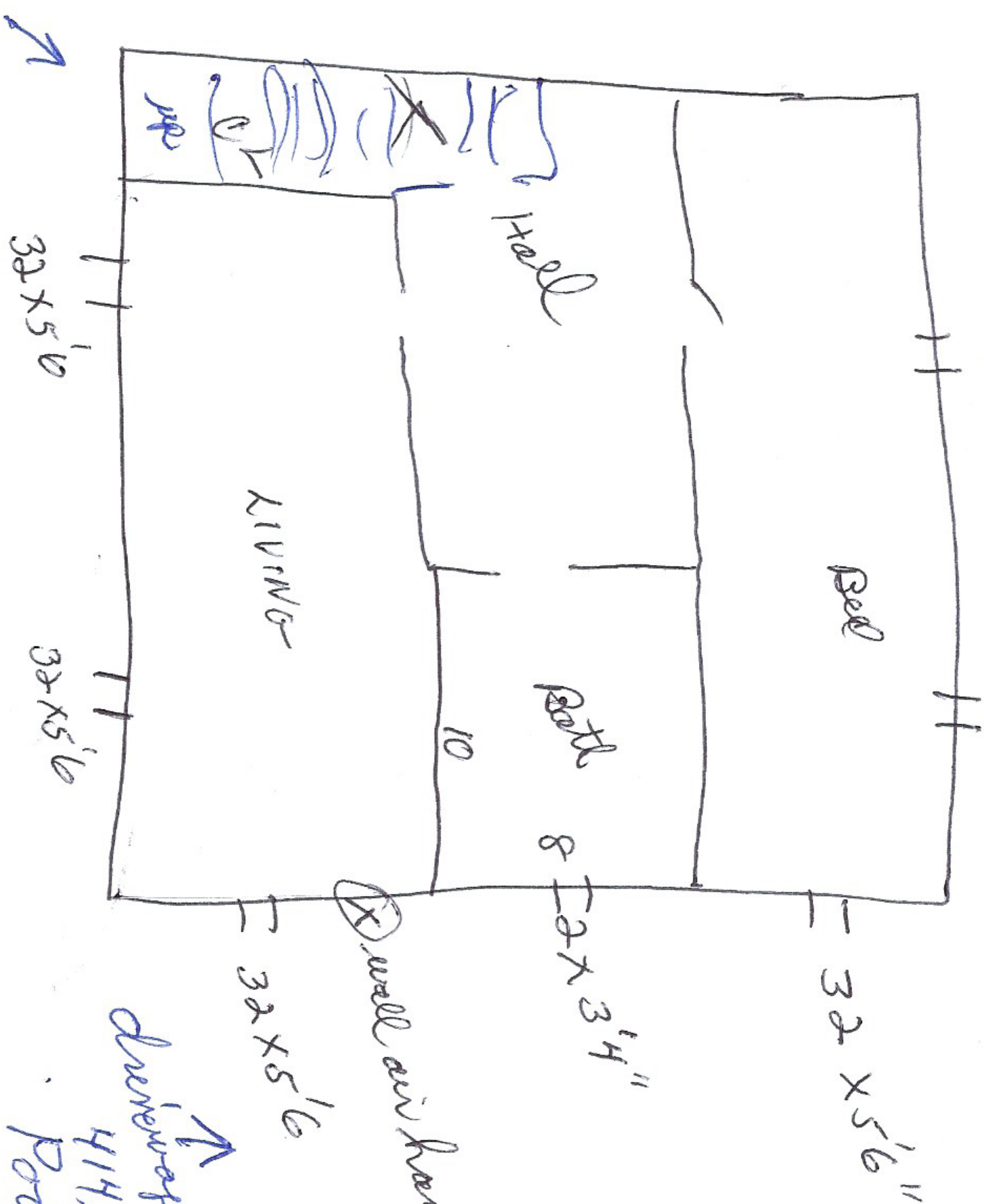
Acknowledgement**I certify that the information given is true and correct to the best of my knowledge.****By checking this box, I agree that this is equivalent to a handwritten signature and is binding for all purposes related to this transaction**

414 State
2nd floor Apt 4

Back
30' x 4'6"

Mike Moran
603-507-0908
PMGL-21-308

570 sq ft



Front door

2nd floor

State St -

has a central baseboard
heating system in this
condo.

APR 07 75 FANUCU
APR 07 75 FANUCU

driveway
414 State St Unit 4
Portsmouth NH

2nd floor

Pier

Manual S+J for 2nd floor condo
only heat pump for living room
- no central system
- this has 16" blow in
- walls very poor insulation

Untitled Map

Write a description for your map.

Legend

414 State Street



PM 6-21-308

1 December 2021

Portsmouth Historic District Commission

To Whom it may concern,

I have asked Michael Reserve of PRO HVAC to contact you directly regarding the permits required to install a heating/cooling system on my property located at:

414 State Street, Suite 4 Portsmouth, NH 03801

If you have any questions or concerns, please feel free to contact me directly at:
603-767-6513

Or to contact Micheal Meserve at:
603-507-0908

with kind regards,



Colleen Kendall-Piel
414 State Street, Suite 4
Portsmouth, NH 03801
603-767-6513
colleenpiel@masiello.com, ckp13@comcast.net

3 1/2" brown Fortress
pipe chase

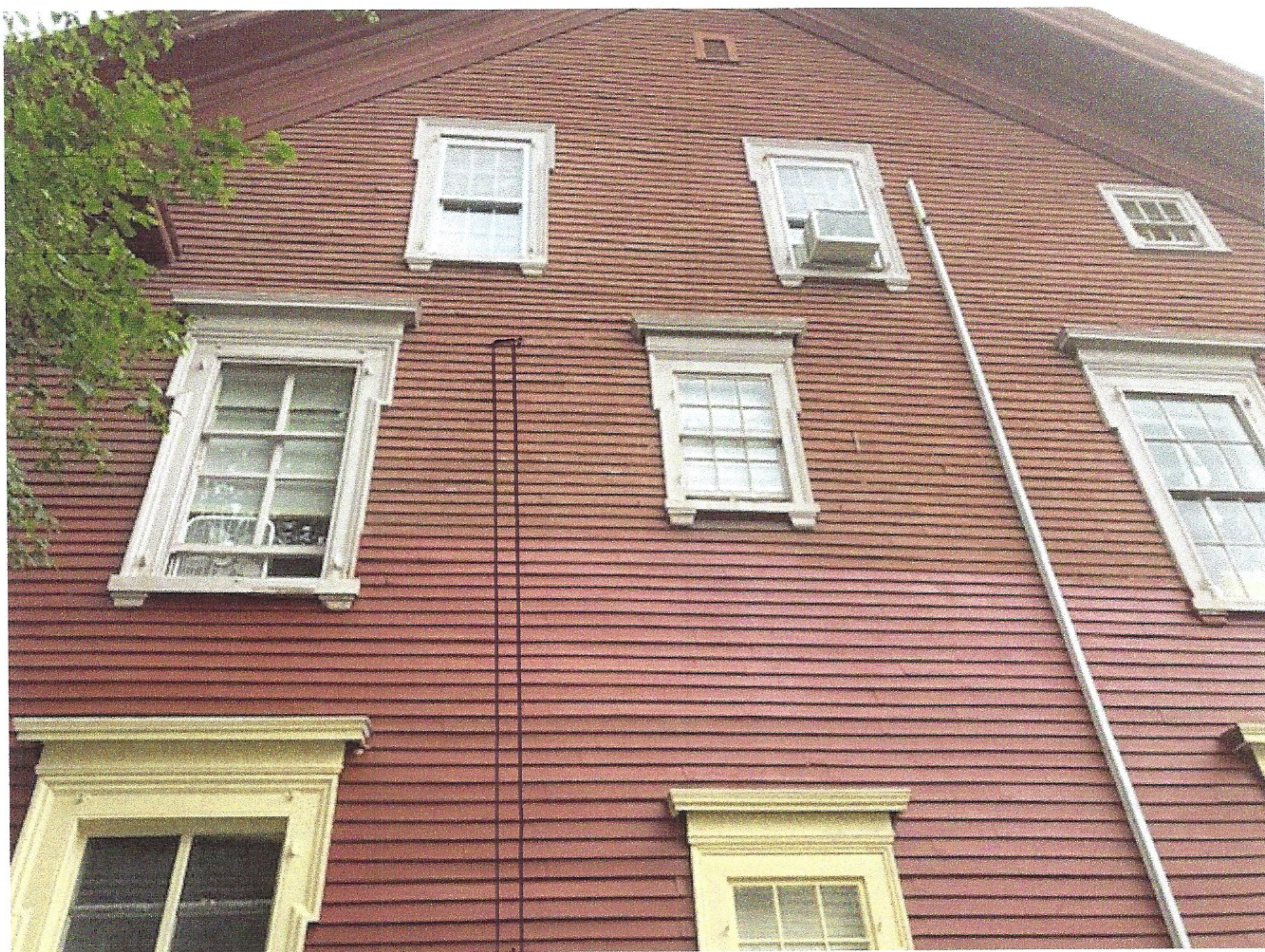


fire escape



Front

stand flange foot 27" from stone



Fortress 3 1/2" wide
brown plastic pipe

Brown on red bubble



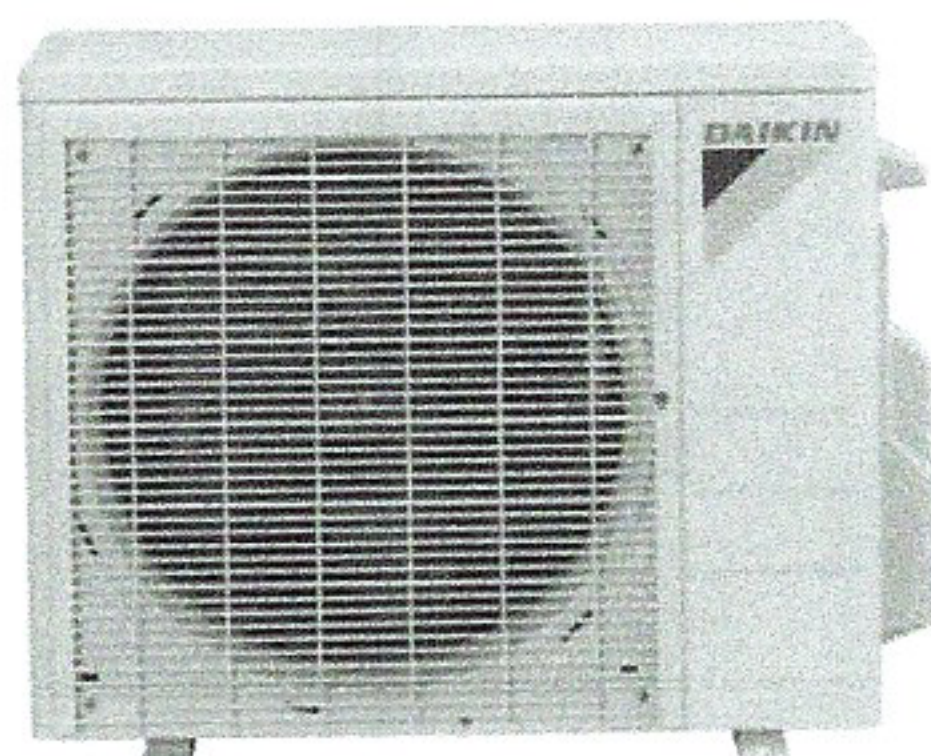
unit $21\frac{9}{16}$ high
stand 12" high

Total - $33\frac{9}{16}$ high
from ground

Job Name:	
Tag#	



Submittal Data Sheet	FTX09NMVJU / RX09NMVJU
0.75-Ton Wall Mounted Heat Pump System	



Complete warranty details available from your local dealer or at www.daikincomfort.com. To receive the 12-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Quebec. If product is installed in a commercial application, limited warranty period is 5 years.

Indoor Specifications

Airflow Rate (cfm)	Cooling		Heating	
	H	M	H	M
	417	297	403	328
	L	SL	L	SL
	244	141	251	215
Sound (dBA) H / M / L / SL	43 / 36 / 30 / 19		43 / 36 / 29 / 25	
Dimensions (H × W × D) (in)		11-1/4 × 30-5/16 × 8-3/4		
Weight (Lbs)		18		

Outdoor Specifications

Compressor	Hermetically Sealed Swing Type			
Refrigerant	R-410A			
Refrigerant Oil	PVE (FVC50K)			
Airflow Rate (cfm)	Cooling		Heating	
	H		H	
	1,102		1,006	
	SL	1,035	SL	918
Sound Power Level (dBA)	46 / 48			
Dimensions (H x W x D) (in)	21-5/8 x 26-9/16 x 11-3/16			
Weight (Lbs)	55			

Efficiency

Cooling		Heating	
SEER	19	HSPF	9.0
EER	12.5	COP	4.06

Performance

Cooling (Btu/hr)	
Rated (Min/Max)	9,000 (4,400 / 10,200)
Sensible @ AHRI	8,170
Moisture Removal gal/h	.32
Standard Operating Range	50°F – 115°F
Extended Operating Range*	-4°F - 115°F

Rated Cooling Conditions: Indoor: 80°F DB/67°F WB
Outdoor: 95°F DB/75°F WB

*With field settings and wind baffle

Heating (Btu/hr)	
1: @ 47° Rated (Min/Max)	10,000 (4,400 / 13,000)
2: @ 17° Rated	6,000
3: @ 5° Max	4,470
Operating Range	5°F – 65°F

1: Rated Heating Conditions: Indoor: 70°F DB/60°F WB
Outdoor: 47°F DB/43°F WB
2: Rated Heating Conditions: Indoor: 70°F DB/60°F WB
Outdoor: 17°F DB/15°F WB
3: Rated Heating Conditions: Indoor: 70°F DB/60°F WB
Outdoor: 5°F DB/5°F WB

Electrical

	208/60/1	230/60/1
System MCA	12.1	12.1
System MFA	15	15
Compressor RLA	8.5	8.5
Outdoor fan motor FLA	.13	.13
Outdoor fan motor W	14	14
Indoor fan motor FLA	.20	.20
Indoor fan motor W	21	21

MFA: Max. fuse amps MCA: Min. circuit amps (A) FLA: Full load amps (A)
RLA: Rated load amps (A) W: Fan motor rated output (W)

Piping

Liquid (in)	1/4
Gas (in)	3/8
Drain (in)	5/8
Max. Interunit Piping Length (ft)	65.625
Max. Interunit Height Difference (ft)	49.25
Chargeless (ft)	32.8
Additional Charge of Refrigerant (oz/ft)	.21

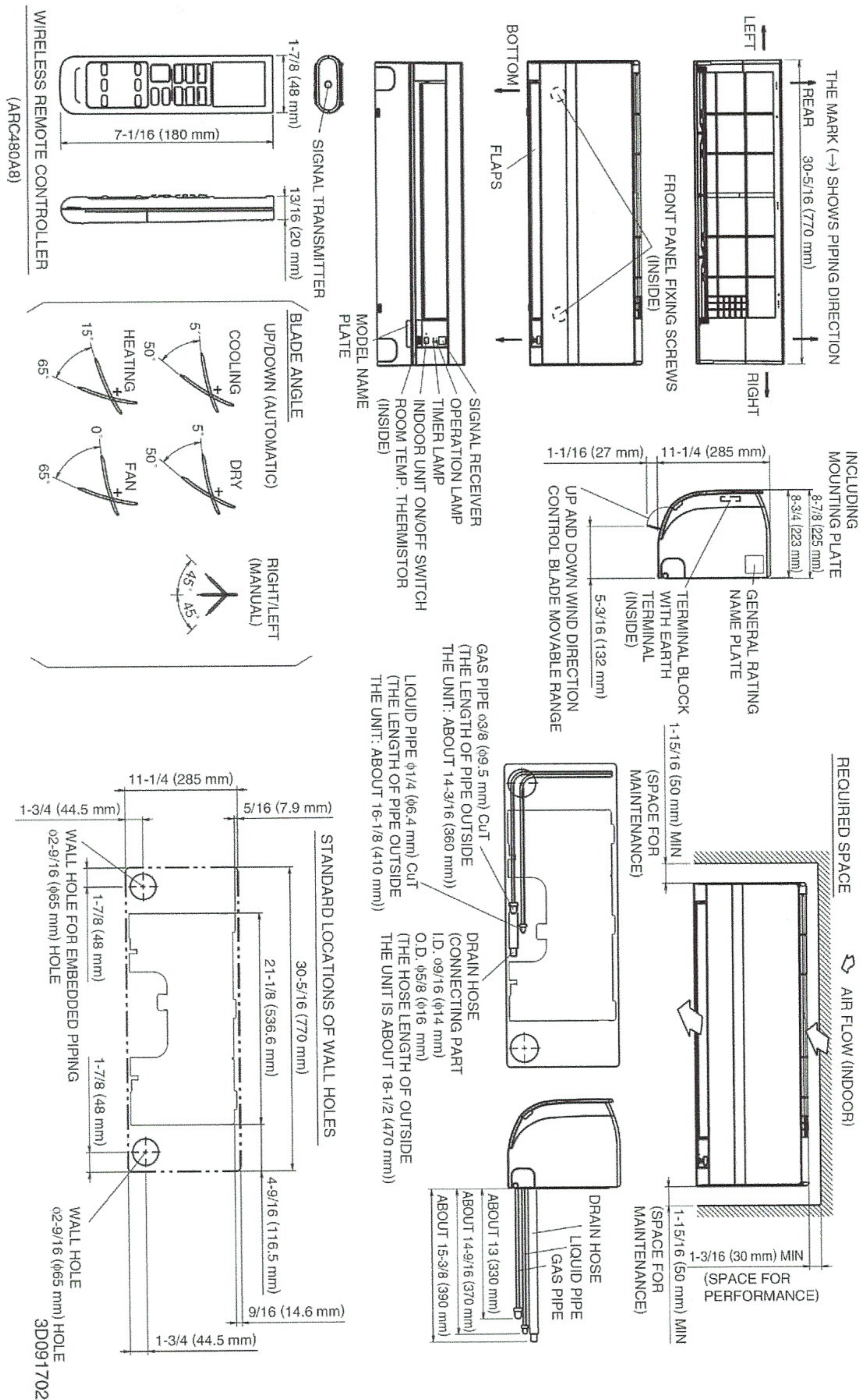
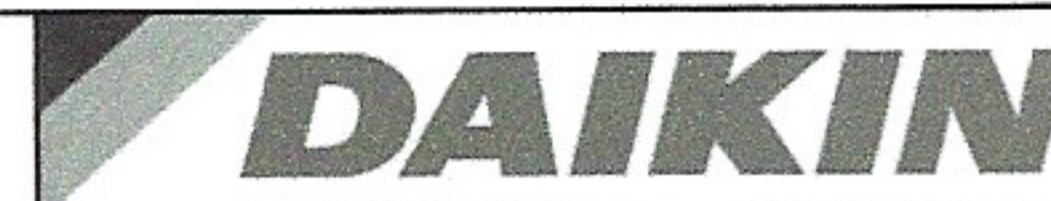
Daikin North America LLC 5151 San Felipe, Suite 500 Houston, TX 77056

(Daikin's products are subject to continuous improvements. Daikin reserves the right to modify product design, specifications and information in this data sheet without notice and without incurring any obligations)

Submittal Creation Date: July 2017

Page 1 of 4

FTX09NMVJU Dimensional Data



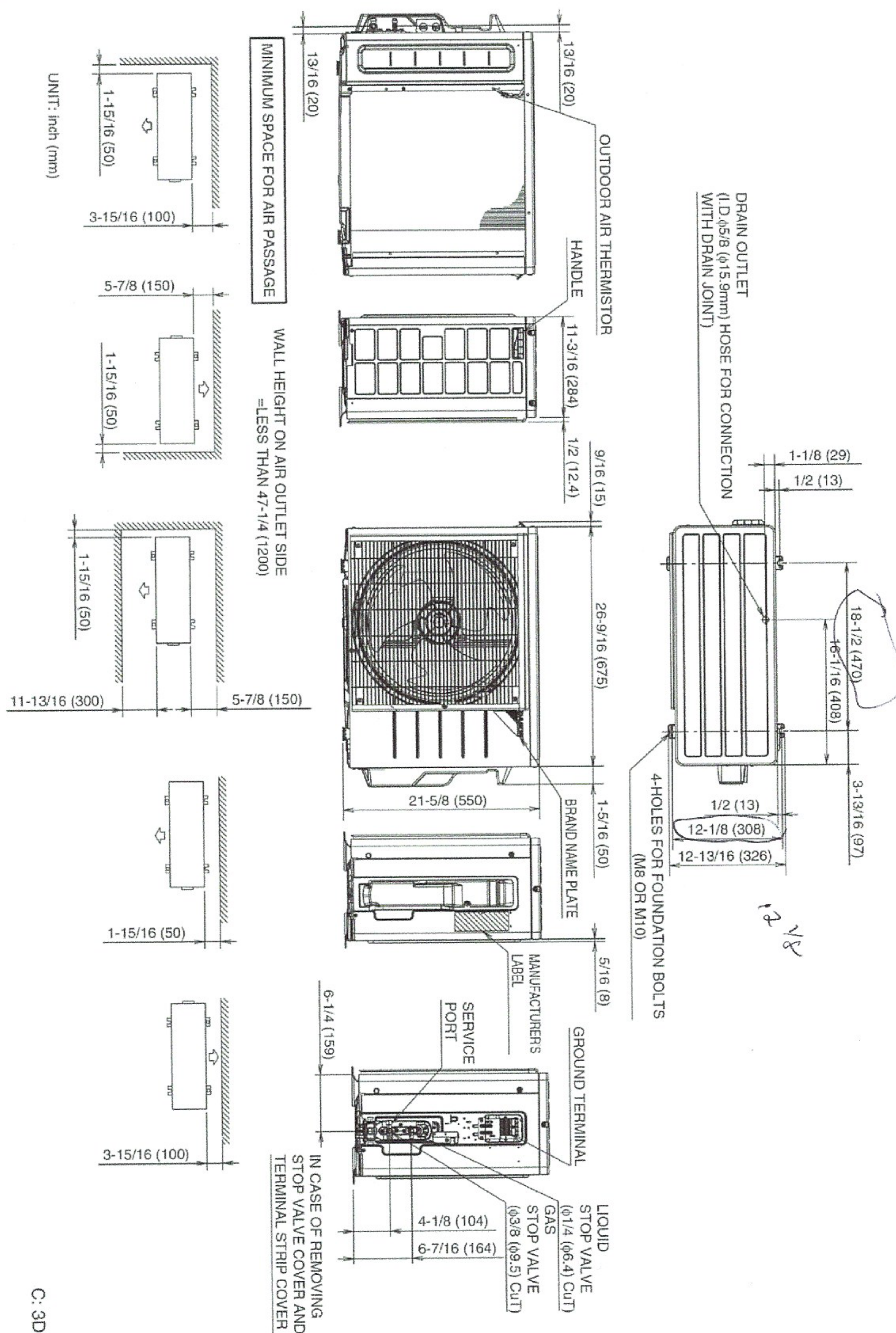
Daikin North America LLC 5151 San Felipe, Suite 500 Houston, TX 77056

(Daikin's products are subject to continuous improvements. Daikin reserves the right to modify product design, specifications and information in this data sheet without notice and without incurring any obligations)

Submittal Creation Date: July 2017

RX09NMVJU Dimensional Data

DAIKIN

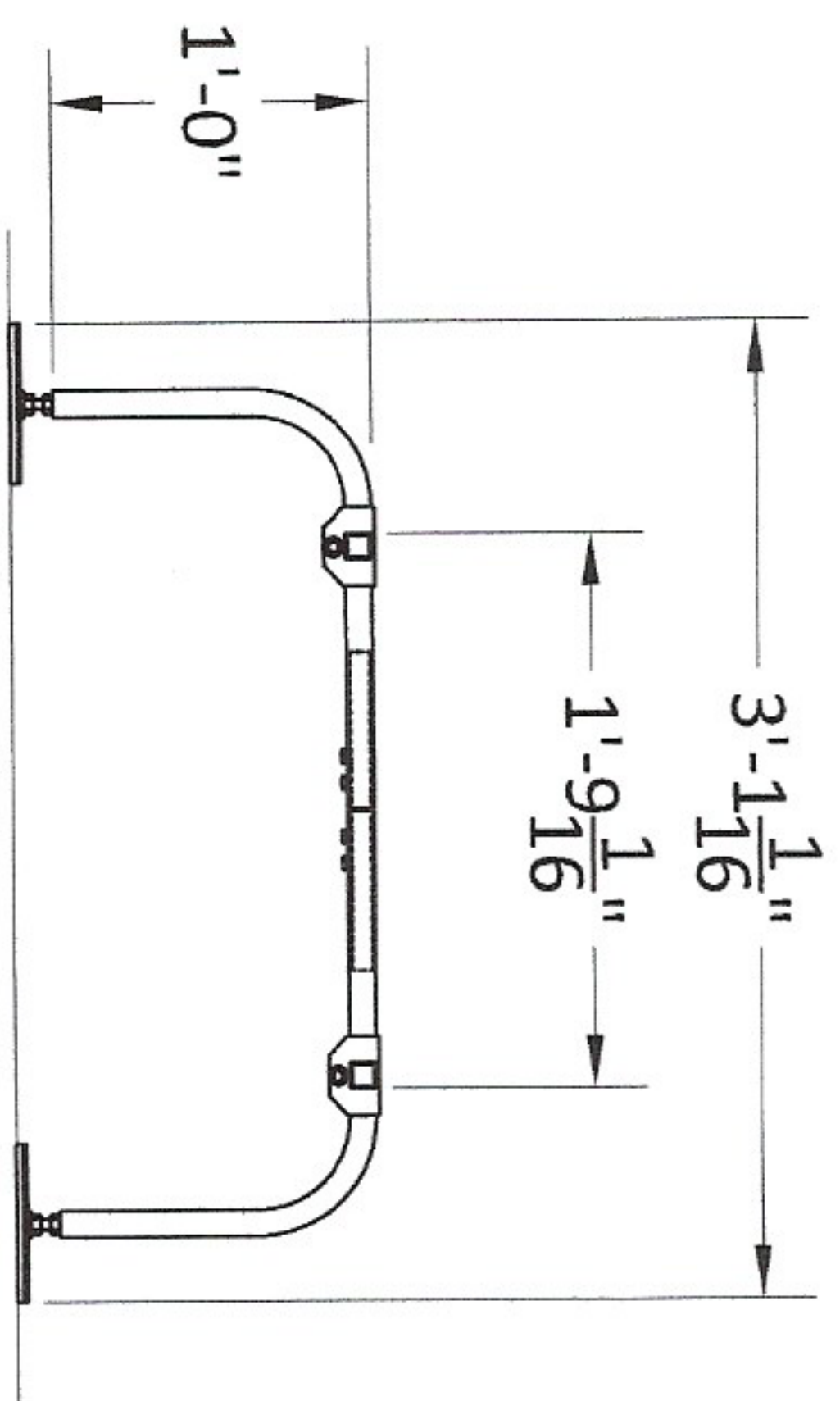


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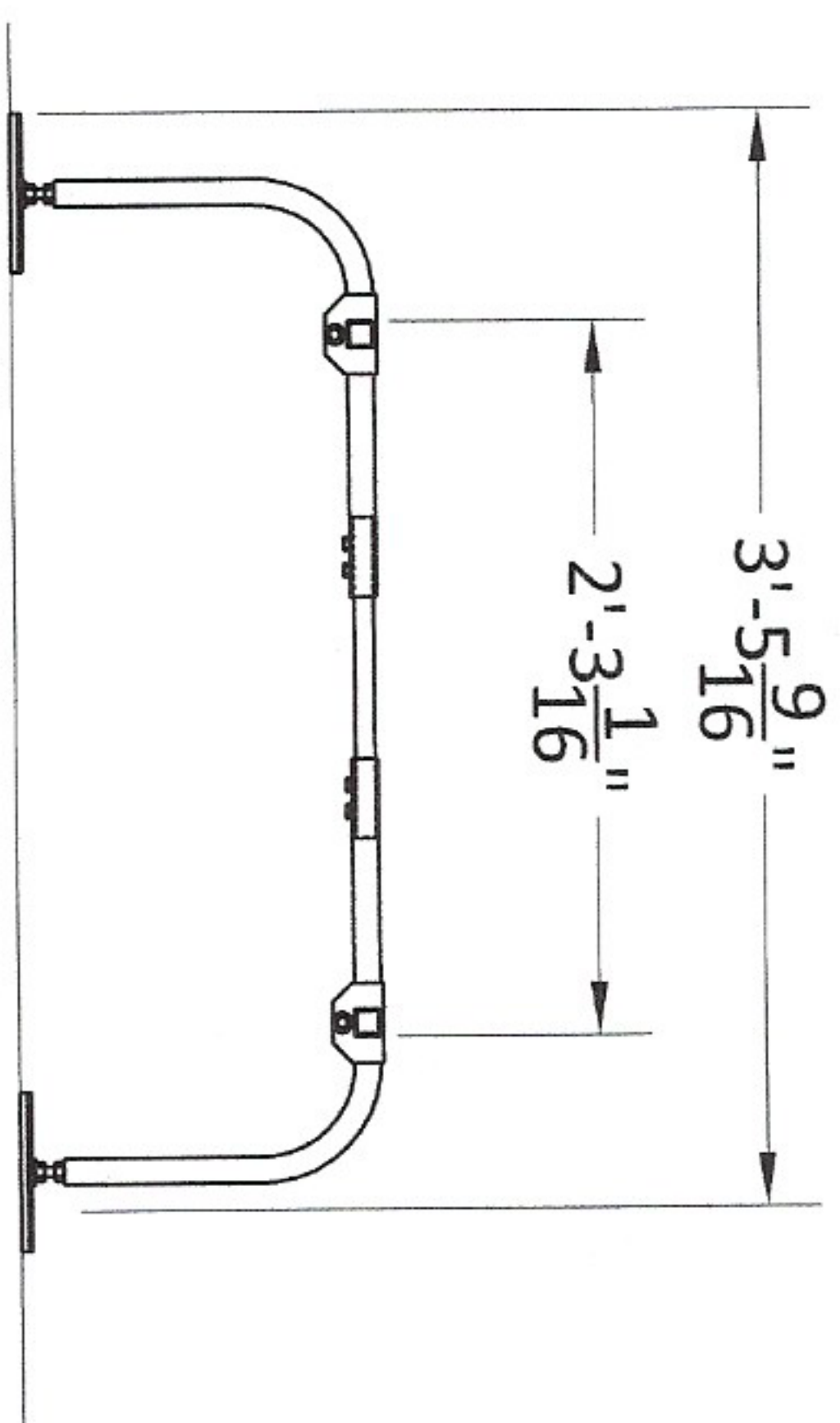
Daikin North America LLC 5151 San Felipe, Suite 500 Houston, TX 77056

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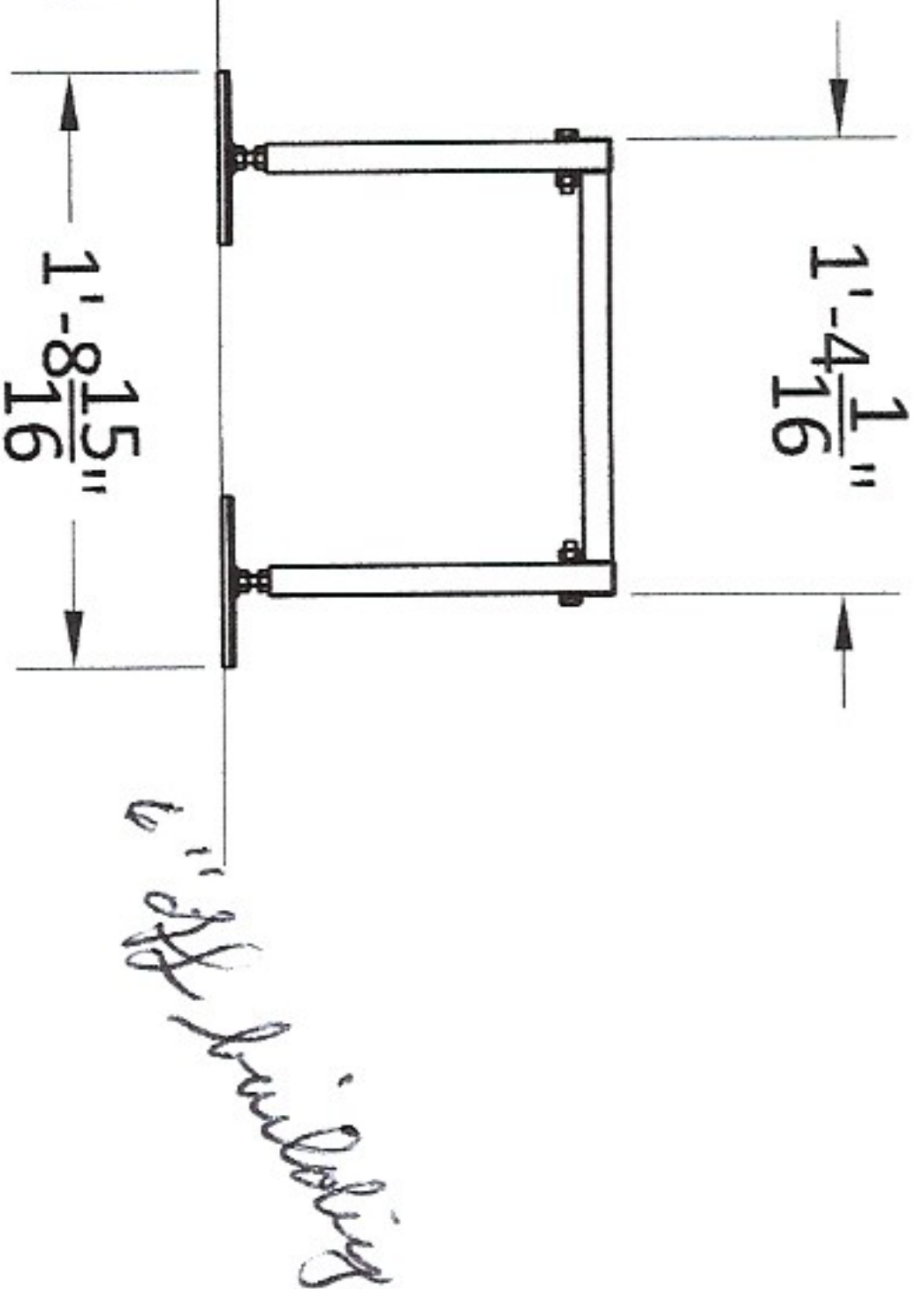
Submittal Creation Date: July 2017



Side View - Retracted



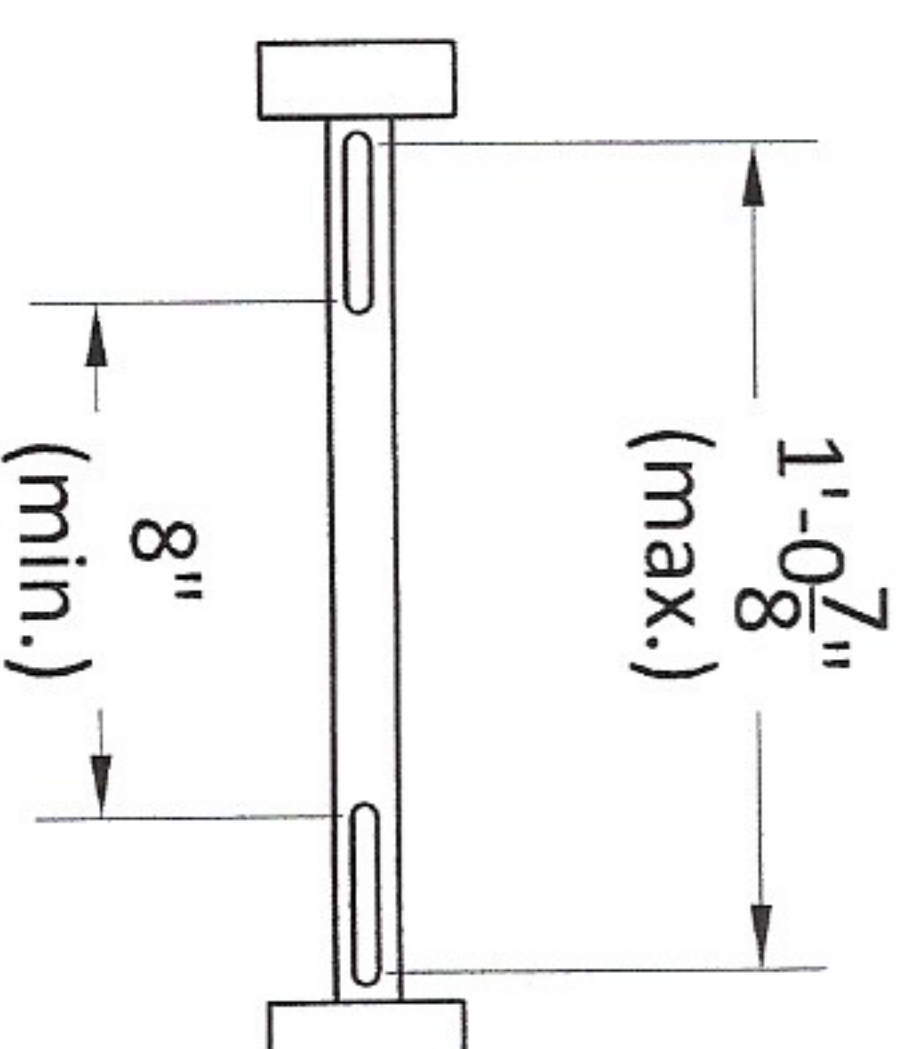
Side View - Expanded



*pieces per unit
3 1/4 from line 100*

End View - Fixed

← 27" building to outer flange



Spacer Bar Detail
(Showing Range of Bolt Spacing)

QUICK-SLING

ASSEMBLY DRAWING
"MINI-SPLIT 12"
ADJUSTABLE STAND - THIN
MODEL NO. QSMS1200

www.quick-sling.com
email: info@quick-sling.com
fax: 1-(800)-699-0423

Quick Sling, LLC
391 W. Water Street
Taunton, MA 02780
1-(800)-699-0543



Certificate of Product Ratings

AHRI Certified Reference Number : 205132630

Date : 12-29-2021

Model Status : Active

AHRI Type : HRCU-A-CB-O (Mini-Split Heat Pump, with Remote Outdoor Unit Air-Source, Free Delivery)

Series Name : Wind-Free™ 2.0

Outdoor Unit Brand Name : SAMSUNG

Outdoor Unit Model Number : AR09TSFABWKX

Indoor Type : Mini-Splits (Non-Ducted)

Indoor Model Number(s) : AR09TSFABWKN

Rated as follows in accordance with the latest edition of AHRI 210/240 - 2017 with Addendum 1, Performance Rating of Unitary Air-Conditioning & Air-Source Heat Pump Equipment and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

Cooling Capacity (A2) - Single or High Stage (95F), btuh : 9000

SEER : 24.50

EER (A2) - Single or High Stage (95F) : 15.50

Heating Capacity (H12) - Single or High Stage (47F) : 11000

HSPF (Region IV) : 12.50

Sold in? : USA, Canada



†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced. "Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale. Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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©2021 Air-Conditioning, Heating, and Refrigeration Institute



CERTIFICATE NO.:

132852879816090613

FW Webb Company
 218 Knox Marsh Road - Dover, New Hampshire 03820
 603-749-3100 - lyman@fwwebb.com

Residence at 414 State Street Unit 4
 414 State Street Unit 4
 Portsmouth, NH 03801

Sales Consultant:

Job#: 122921-Pro HVAC

Date: 12/29/2021

Heat Pump (Average Load Procedure)

Design Conditions

Location: Portsmouth Pease International Tradeport,	Elevation: 102 ft	Daily Range: Medium
Input Data: Outdoor Dry Bulb	Indoor Dry Bulb	Latitude: 43° N
Summer: 95	72	Heated Area 345 Sq.Ft.
Winter: 5	72	Cooled Area 345 Sq.Ft.

Heat/Loss Summary (July Heat Load Calculations)

	Gross Area	Loss	Sensible Gain	Latent Gain
Walls	304	1708	870	0
Windows	41.25	1575	1565	0
Doors	0	0	0	0
Ceilings	184	752	673	0
Skylights	0	0	0	0
Floors	0	0	0	0
Room Internal Loads		0	1024	0
Blower Load			0	0
Hot Water Piping Load		0	0	0
Winter Humidification Load		725	0	0
Infiltration		2456	442	309
Ventilation		0	0	0
Duct Loss/Gain EHLF=0 ESGF=0		0	0	0
AED Excursion		n/a	262	n/a
Subtotal		7216	4836	309



Approved ACCA
MJ8 Calculations

Total Heating 7216 Btuh

Total Cooling 5145 Btuh

14 Linear ft. of Hydronic Baseboard

*Calculations are based on the ACCA Manual J 8th Edition and are approved by ACCA. All computed calculations are estimates based on building use, weather data, and inputted values such as R-Values, window types, duct loss, etc. Equipment selection should meet both the latent and sensible gain as well as building heat loss.

This application has glass areas that produce relatively large cooling loads for part of the day. Variable air volume devices may be required to overcome spikes in solar load for one or more rooms. A zoned system may be required, or some rooms may require zone control (provided by individual, motorized, thermostatically controlled dampers).

FW Webb Company
 218 Knox Marsh Road - Dover, New Hampshire 03820
 603-749-3100 - lyman@fwwebb.com

Residence at 414 State Street Unit 4
 414 State Street Unit 4
 Portsmouth, NH 03801

Sales Consultant:

Job#: 122921-Pro HVAC

Date: 12/29/2021

Living Room (Average Load Procedure)

Design Conditions

Location: Portsmouth Pease International Tradeport,	Elevation: 102 ft	Daily Range: Medium
Input Data: Outdoor Dry Bulb	Indoor Dry Bulb	Latitude: 43° N
Summer: 95	72	Heated Area 345 Sq.Ft.
Winter: 5	72	Cooled Area 345 Sq.Ft.

Heat/Loss Summary (July Heat Load Calculations)

	Gross Area	Loss	Sensible Gain	Latent Gain
Walls	304	1708	870	0
Windows	41.25	1575	1565	0
Doors	0	0	0	0
Ceilings	184	752	673	0
Skylights	0	0	0	0
Floors	0	0	0	0
Room Internal Loads		0	1024	0
Blower Load		725	0	0
Hot Water Piping Load			0	0
Winter Humidification Load			0	0
Infiltration		2456	442	309
Ventilation		0	0	0
Duct Loss/Gain		0	0	0
AED Excursion		n/a	262	n/a
Subtotal		7216	4836	309



**Approved ACCA
MJ8 Calculations**

Total Heating	7216	Btuh	
Total Cooling	5145	Btuh	14 Linear ft. of Hydronic Baseboard

*Calculations are based on the ACCA Manual J 8th Edition and are approved by ACCA. All computed calculations are estimates based on building use, weather data, and inputted values such as R-Values, window types, duct loss, etc. Equipment selection should meet both the latent and sensible gain as well as building heat loss.

FW Webb Company

218 Knox Marsh Road - Dover, New Hampshire 03820
603-749-3100 - lyman@fwwebb.com

Residence at 414 State Street Unit 4
414 State Street Unit 4
Portsmouth, NH 03801

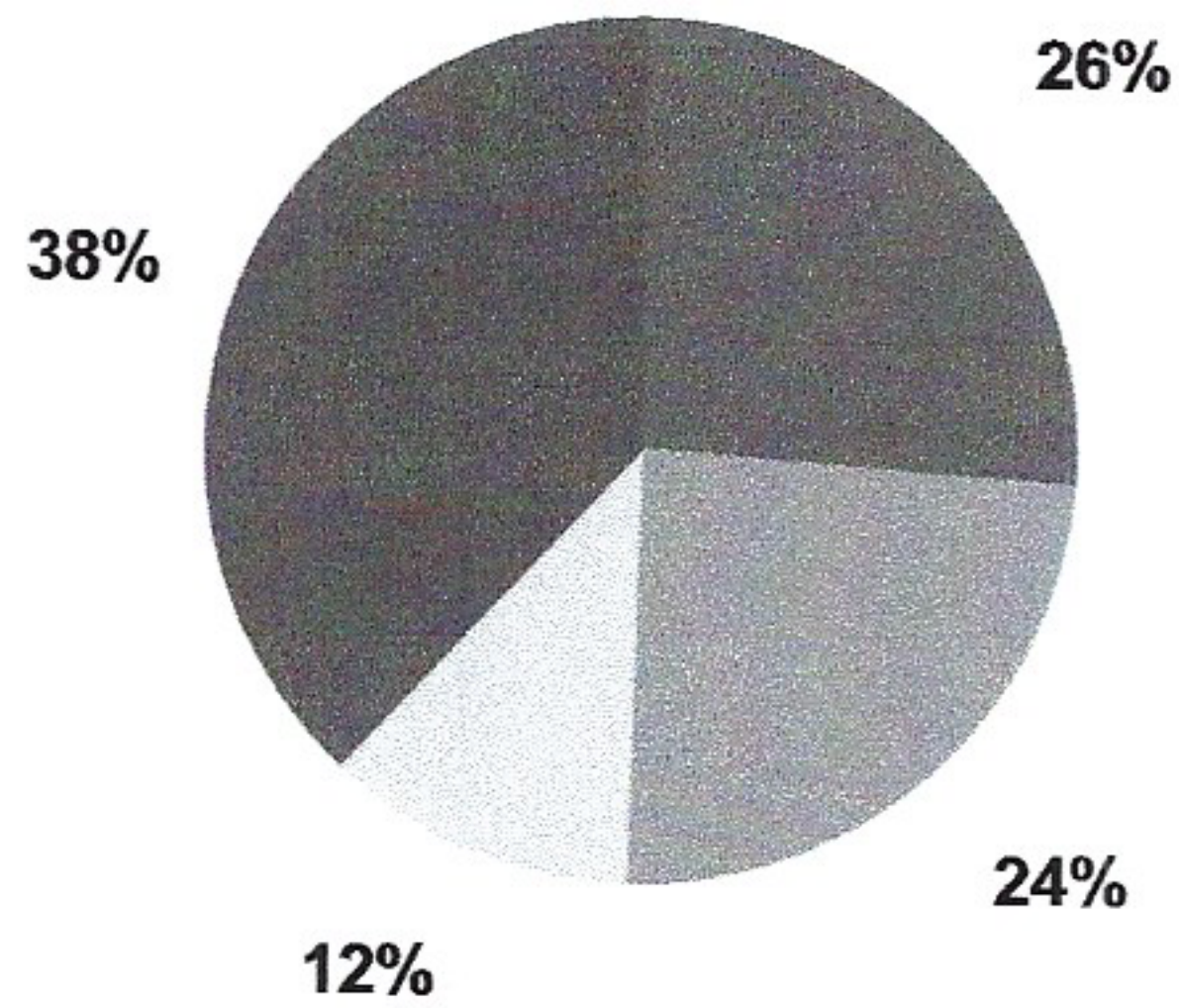
Sales Consultant:

Job#: 122921-Pro HVAC

Date: 12/29/2021

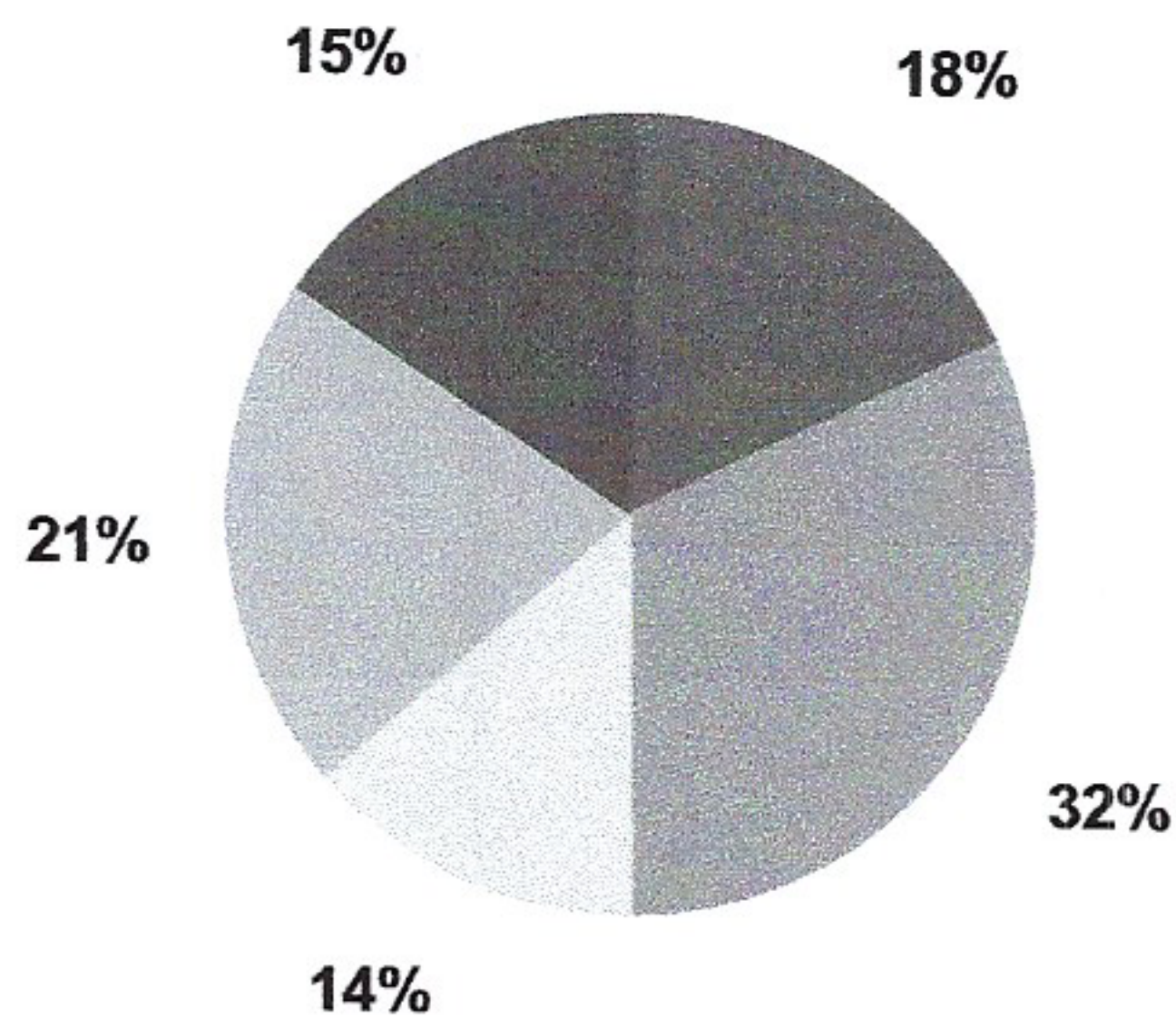
Living Room Load Chart

Heat Loss Percentages



- Walls
- Windows & Skylights
- Doors
- Ceilings
- Floors
- Misc System Loss
- Infiltration
- Ventilation
- Duct Loss

Heat Gain Percentages



- Walls
- Windows & Skylights
- Doors
- Ceilings
- Floors
- Internal Gains
- Infiltration
- Ventilation
- Duct Loss

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Heat Pump Breakdown

Item Name	U-Value /SHGC	Net Area	Htg. HTM.	Clg. HTM	Sens. Htg.	Sens. Clg.	Lat. Clg.	Total Clg.
Construction Type								
Heat Pump					725	0	0	0
Living Room					0	1024	0	1024
Ceiling	0.061	184	4.087	3.66	752	673	0	673
	Ceiling under Unvented Attic or Attic Knee Wall, With Radiant Barrier Any Any R-15 insulation							
West Wall	0.097	100.25	6.499	3.31	652	332	0	332
	Frame Wall/Partition NA NA Wood R-11 None NA Siding or Stucco NA							
Window-2.5x5.5	0.57/0.56	13.75	38.19	65.96	525	907	0	907
	Operable Normal Window Clear 2 Pane Wood, Wood with Metal Clad, or Vinyl							
North Wall	0.097	162.5	6.499	3.31	1056	538	0	538
	Frame Wall/Partition NA NA Wood R-11 None NA Siding or Stucco NA							
Window-2.5x5.5	0.57/0.56	13.75	38.19	23.93	525	329	0	329
	Operable Normal Window Clear 2 Pane Wood, Wood with Metal Clad, or Vinyl							
Window-2.5x5.5	0.57/0.56	13.75	38.19	23.93	525	329	0	329
	Operable Normal Window Clear 2 Pane Wood, Wood with Metal Clad, or Vinyl							

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Heat Pump (Average Load Procedure)

Design Conditions

Location: Portsmouth Pease International Tradeport,	Elevation: 102 ft	Daily Range: Medium
Input Data: Outdoor Dry Bulb	Indoor Dry Bulb	Latitude: 43° N
Summer: 95	72	Design Grains: 26
Winter: 5	72	Heated Area 345 Sq.Ft.
		Cooled Area 345 Sq.Ft.

Heat/Loss Summary (July Heat Load Calculations)

	Gross Area	Loss	Sensible Gain	Latent Gain
Walls	304	1708	870	0
Windows	41.25	1575	1565	0
Doors	0	0	0	0
Ceilings	184	752	673	0
Skylights	0	0	0	0
Floors	0	0	0	0
Room Internal Loads		0	1024	0
Blower Load			0	0
Hot Water Piping Load		0	0	0
Winter Humidification Load		725	0	0
Infiltration		2456	442	309
Ventilation		0	0	0
Duct Loss/Gain EHLF=0 ESGF=0		0	0	0
AED Excursion		n/a	262	n/a
Subtotal		7216	4836	309



Approved ACCA
MJ8 Calculations

Total Heating	7216	Btuh	
Total Cooling	5145	Btuh	14 Linear ft. of Hydronic Baseboard

*Calculations are based on the ACCA Manual J 8th Edition and are approved by ACCA. All computed calculations are estimates based on building use, weather data, and inputted values such as R-Values, window types, duct loss, etc. Equipment selection should meet both the latent and sensible gain as well as building heat loss.

This application has glass areas that produce relatively large cooling loads for part of the day. Variable air volume devices may be required to overcome spikes in solar load for one or more rooms. A zoned system may be required, or some rooms may require zone control (provided by individual, motorized, thermostatically controlled dampers).

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Sales Consultant:

Job#: 122921-Pro HVAC

Date: 12/29/2021

Equipment Selection

Design Conditions

Design Location: Portsmouth Pease

Elevation: 102 ft

Latitude: 43° N

Daily Range: Medium

Design Grains 26

Relative Humidity: 50%

Summer Outdoor Design: 95

Winter Outdoor Design: 5

Summer Indoor Design: 72

Winter Indoor Design: 72

Heating Equipment

Mfg: SAMSUNG

Model: AR09TSFABWKN

AHRI Ref #: 205132630

Efficiency (AFUE):

Altitude Correction Factor: 0

Heating Input (btuh):

Heating Output (btuh): 11000

Calculated HeatPump
Output @ Design (btuh): 9200

Cooling Equipment

Mfg: SAMSUNG

Outdoor Unit Model: AR09TSFABWKX

Coil:

Furnace:

AHRI Ref #: 205132630

Altitude Correction Factor: 0

Rated Total Cooling (btuh): 9000

Sensible Cooling (btuh): 8100

Latent Cooling (btuh): 900

SEER - EER@95:

Heat Pump HSPF:

Summary

<u>MJ8 Calculations</u>	<u>Status</u>	<u>Equipment Capacities</u>
Sensible Gain (btuh): 4836	Sufficient	Sensible Capacity (btuh): 8100
Latent Gain (btuh): 309	Sufficient	Latent Capacity (btuh): 900
Total Heat Gain (btuh): 5145	Sufficient	Total Capacity (btuh): 9000
Heat Loss (btuh): 7216	Sufficient	Heating Capacity (btuh): 11000