

**366 Islington Street  
Map 145 Lot 17**

**To permit the following:**

1. Heat Pump with a Left Side Setback of +/- 3.5 feet where 10' is required.

**The undersigned agrees that the following circumstances exist.....**

1. The Heat Pump will replace 2 Units on the Right Side and will minimize the Exterior Piping on the Left Side.
2. The Left Side Abutter has reviewed and approved this location. The Abutter has A Heat Pump on this side as well. Both properties have minimal windows on this Side and feel this is the least intrusive location.

**Criteria for the Variance:**

1. The Variances are not contrary to the public interest in that this location will minimize the public view of the Heat Pumps, with that area fully fenced.
2. The Variances are consistent with the spirit of the ordinance in that the Adjacent Abutter supports this location as the best for both properties.
3. Substantial justice will be done, as this work will relocate the 2 Existing Units and Piping from a very visible location. The HDC approved this location at the June 15 Hearing.
4. These Variances will not diminish the value of surrounding properties, and has the support of the affected Abutter.
5. The special condition of this property is the existing non-conforming Left Side Setback, and anything attached to that side will add to the non-conformity.

6/29/20, Anne Whitney Architect

For: Peter & Morgan Caraviello

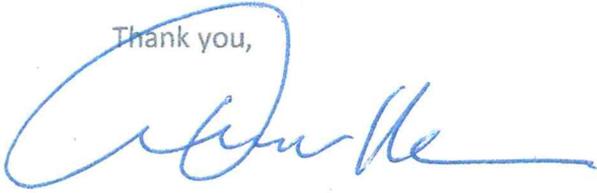
6/23/2020

RE: BOA Approval for AC condenser units at 366 Islington St, Portsmouth, NH (Caraviello)

Dear Board of Adjustment,

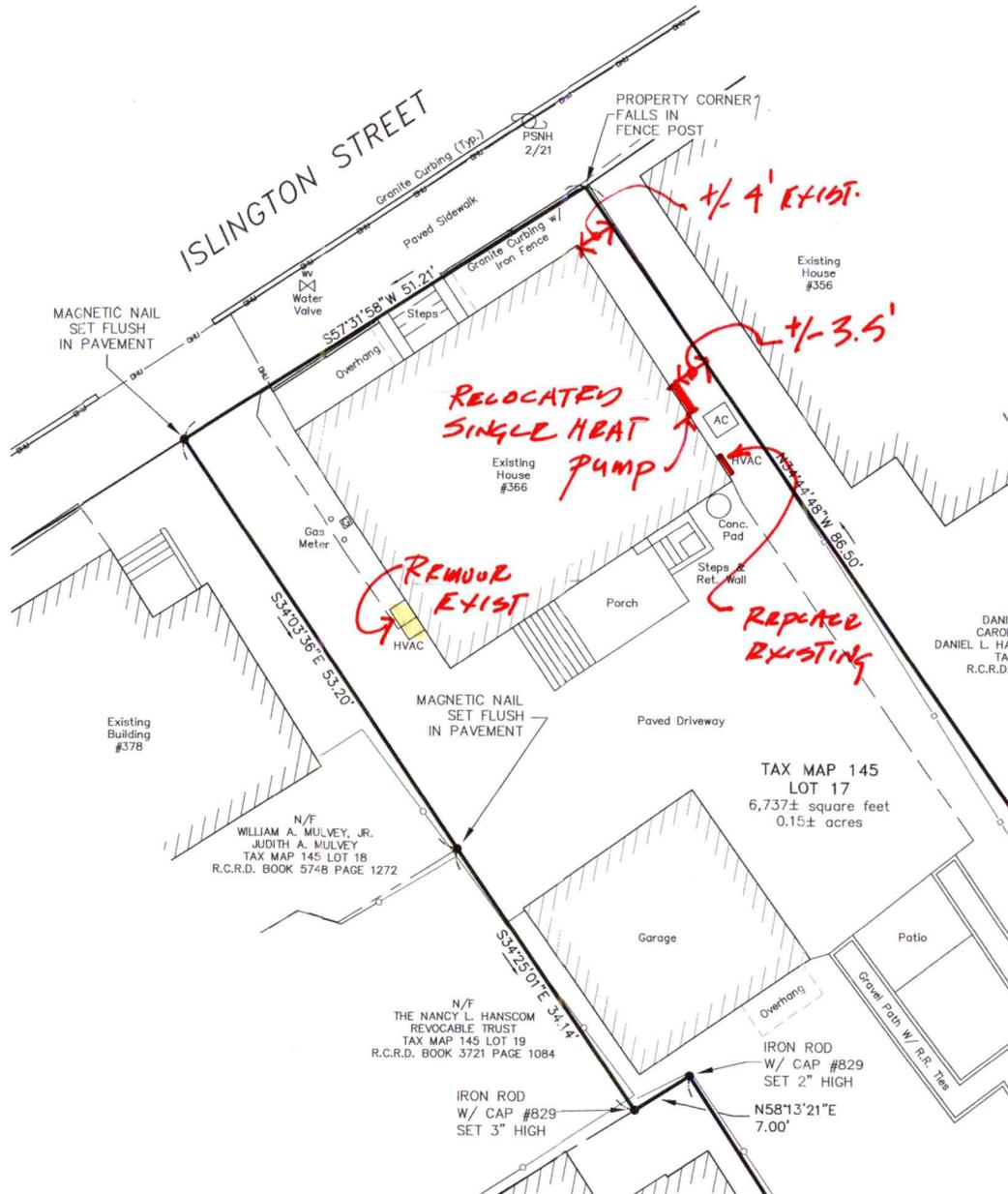
Larker Properties, LLC (Daniel Hale) owns the property at 356-358 Islington St (Neighboring/bordering property to the East) and has NO objection to the Caraviello's installing 2 new AC condenser units within the required distance to the property line.

Thank you,

A handwritten signature in blue ink, appearing to read "Daniel Hale", with a large, stylized initial "D" that loops back.

Daniel Hale

603-817-8902



Lower Exist Heat Pump & Add single Heat Pump, relocated from Right Side. The 2 Exist Units on the Right Side will be replaced with 1 Unit. Both will be ground mounted. Exist AC Condenser to remain.

**Partial Site Plan**

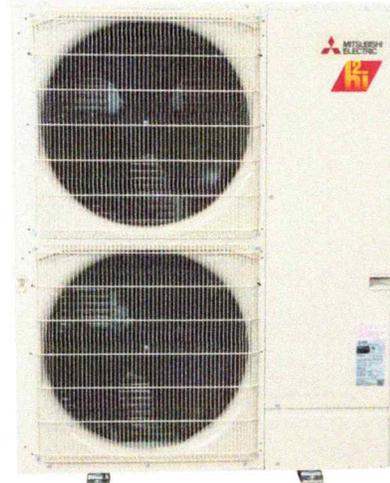
Shows new Heat Pump Location & 2 Units removed from Right Side.

Survey Plan by Northeasterly Surveying Inc., dated 7/19/19, Dwg #19668\_Property.

Job Name:

System Reference:

Date:

**Indoor Unit:  
PLA-A36EA7****Outdoor Unit:  
PUZ-HA36NHA5**

### INDOOR UNIT FEATURES

- Space-efficient ductless installation
- Equipped with 3D i-see Sensor™ for enhanced comfort and energy efficiency
- Airflow settings for high and low ceiling applications
- Individual vane settings for direct/indirect airflow control or variable airflow patterns
- Knockouts for outside-air intake and branch-duct run
- Filter indicator signal
- Easy-to-clean, washable filter (optional high-efficiency filter available - requires multi-function casement)
- Built-in condensate lift mechanism
- Ideal for retail shops, classrooms, office spaces, conference centers, building lobbies, and more

### OUTDOOR UNIT FEATURES

- Variable speed INVERTER-driven compressor
- High heating capacity: flash injection circuit maintains 100% heating capacity at 5°F outdoor temperature
- Wide heating range: heating performance down to -13°F (average of 80% heating capacity)
- High speed heating at start up: Hyper-Heating INVERTER® reduces the time for heating at start up by about half compared to standard models
- Suction accumulator pre-charged with refrigerant volume for piping length up to 100 ft.
- Twinning of two indoor units possible with the 36 kBtu/h model
- High pressure/temperature protection

*NEW UNIT TO REPLACE  
2 ON RIGHT SIDE*

*10F2*



# M-Series

## SUBMITTAL DATA: MXZ-3C30NAHZ2 MULTI-INDOOR INVERTER HEAT-PUMP SYSTEM



Job Name:

System Reference:

Date:



Outdoor Unit: MXZ-3C30NAHZ2

### ACCESSORIES

The outdoor unit is delivered with the base pan heater factory installed

- Airflow Guide (PAC-SH65SG-E)
- 3/8" x 1/2" Port Adapter (MAC-A454JP-E)
- 1/2" x 3/8" Port Adapter (MAC-A455JP-E)
- 1/2" x 5/8" Port Adapter (MAC-A456JP-E)
- 1/4" x 3/8" Port Adapter (PAC-403PI)
- 3/8" x 5/8" Port Adapter (PAC-SG78RJ-E)
- M-NET Adapter (PAC-IF01MNT-E)

(For data on specific indoor units, see the MXZ-C Technical and Service Manual.)

Specifications		Model Name	
Unit Type		MXZ-3C30NAHZ2	
Cooling* (Non-ducted / Ducted)	Rated Capacity	Btu/h	28,400 / 27,400
	Capacity Range	Btu/h	12,600 - 28,400
	Rated Total Input	W	2,272 / 2,561
Heating at 47°F* (Non-ducted / Ducted)	Rated Capacity	Btu/h	28,600 / 27,600
	Capacity Range	Btu/h	11,400 - 36,000
	Rated Total Input	W	2,095 / 2,187
Heating at 17°F* (Non-ducted/Ducted)	Rated Capacity	Btu/h	18,000 / 16,500
	Maximum Capacity	Btu/h	28,600 / 27,600
	Rated Total Input	W	1,991 / 1,993
Heating at 5°F*	Maximum Capacity	Btu/h	28,600
Connectable Capacity		Btu/h	12,000 - 36,000
Energy Star® (ENERGY STAR products are third-party certified by an EPA-recognized Certification Body.)			Yes
Electrical Requirements	Power Supply	Voltage, Phase, Hertz	208 / 230V, 1-Phase, 60 Hz
	Recommended Fuse/Breaker Size	A	40
	MCA	A	30.5
Voltage	Indoor - Outdoor S1-S2	V	AC 208 / 230
	Indoor - Outdoor S2-S3	V	DC x24
Compressor			DC INVERTER-driven Twin Rotary
Fan Motor (ECM)		F.L.A.	2.43
Sound Pressure Level	Cooling	(dB(A))	54
	Heating	(dB(A))	58
External Dimensions (H x W x D)		In / mm	41-9/32 x 37-13/32 x 13 1048 x 950 x 330
Net Weight		Lbs / kg	139 / 65
External Finish			Munsell No. 3Y 7.5/11
Refrigerant Pipe Size O.D.	Liquid (High Pressure)	In / mm	1/4 / 6.35
	Gas (Low Pressure)	In / mm	A: 1/2 / 12.7, B: 3/8 / 9.52
Max. Refrigerant Line Length		Ft / m	230 / 70
Max. Piping Length for Each Indoor Unit		Ft / m	82 / 25
Max. Refrigerant Pipe Height Difference	If IDU is Above ODU	Ft / m	49 / 15
	If IDU is Below ODU	Ft / m	49 / 15
Connection Method			Flared/Flared
Refrigerant			R410A

\* Rating Conditions per AHRI Standard  
Cooling | Indoor: 80°F (27°C) DB / 67°F (19°C) WB  
Cooling | Outdoor: 95°F (35°C) DB / 78°F (26°C) WB  
Heating at 47°F | Indoor: 70°F (21°C) DB / 60°F (16°C) WB  
Heating at 47°F | Outdoor: 47°F (8°C) DB / 43°F (6°C) WB  
Heating at 17°F | Indoor: 70°F (21°C) DB  
Heating at 17°F | Outdoor: 17°F (-8°C) DB / 10°F (-12°C) WB

UNIT to Be Replaced.

H, 41 9/32" x N, 37 13/32" x DEPTH 13"