



CAMBRIDGE HISTORICAL COMMISSION

831 Massachusetts Avenue, 2nd Fl., Cambridge, Massachusetts 02139
Telephone: 617 349 4683 TTY: 617 349 6112
E-mail: histcomm@cambridgema.gov URL: www.cambridgema.gov/Histor

RECEIVED

DEC 21 2023

CAMBRIDGE HISTORICAL
COMMISSION

APPLICATION FOR CERTIFICATE

1. The undersigned hereby applies to the Cambridge Historical Commission for a Certificate of (check one box): Appropriateness, Nonapplicability, or Hardship, in accordance with Chapter 40C of the Massachusetts General Laws and/or Chapter 2.78 of the Municipal Code.

2. Address of property: , Cambridge, Massachusetts

3. Describe the proposed alteration(s), construction or demolition in the space provided below:
(An additional page can be attached, if necessary).

Existing window sash will be restored, and new storm windows installed
Exterior renovation, including new fascia, shutters and clapboards, windows trim and water table to match existing. Window band molding to be custom profile to match existing.
New gutters will be fiberglass
Existing dentil to remain.
Existing portico will remain, and be scraped and painted.
We will open up 2 blocked in windows on the rear elevation at the foundation level, Pls see drawing.
All existing HVAC vents on the rear will be removed.
Pls see drawing for condensor locations, and screening
No roof repairs noted at this time
Existing patio will be rebuilt with brick or blustone
Existing concrete front stoop/walkway will be replaced with brick or bluestone
Existing fence will be repaired/replaced similar to existing.
Exterior paint color TBD in consultation with CHC

I certify that the information contained herein is true and accurate to the best of my knowledge and belief. **The undersigned also attests that he/she has read the statements printed on the reverse.**

Name of Property Owner of Record: <input type="text" value="Kate and Gerald Chertavian"/>	
Mailing Address: <input type="text" value="109 Marlborough Street, Boston 02116"/>	
Telephone/Fax: <input type="text" value="6172305260"/>	E-mail: <input type="text" value="kate@katecfineart.com"/>
Signature of Property Owner of Record: <u>Kate Chertavian</u> (Required field; application will not be considered complete without property owner's signature)	
Name of proponent, if not record owner: <input type="text" value="Don Foote Contracting"/>	
Mailing Address: <input type="text" value="38 Montvale Ave box B5 Stoneham Mass 02180"/>	
Telephone/Fax: <input type="text" value="6176887653"/>	E-mail: <input type="text" value="foote.don@gmail.com"/>

<u>(for office use only):</u>		
Date Application Received: _____	Case Number: _____	Hearing Date: _____
Type of Certificate Issued: _____	Date Issued: _____	

Addendum to CHC application

Strip water table, corner boards, gutters, fascia and window trim. Strip clapboards as needed, replace all cracked, broken, and compromised with excessively flaking paint. Dentil to remain.

All clapboards to be pe-primed cedar, window band molding will be a custom profile in wood to match existing. Water table, window trim, corner boards will match existing. All flat stock will be Azek or equal.

All wood windows above grade will be refurbished and re-installed in the existing openings. New storms will be installed over the single glazed re-furbished windows.

1 New window at the rear foundation level will be Pella Architect series 6/1 sdl window with clad exterior.

New wood shutters shall be Boston style cedar shutters with historic hold-backs and fasteners.

House and shutter paint color will be in consultation with Historic commission.

New fiberglass gutters shall profile similar to existing, downspouts shall be round copper.

Designer:
MK

Builder:
Don Foote Contracting
781-438-2995
www.donfoote.com

Project:
Cheruvian Residence
124 Brattle St
Cambridge, MA

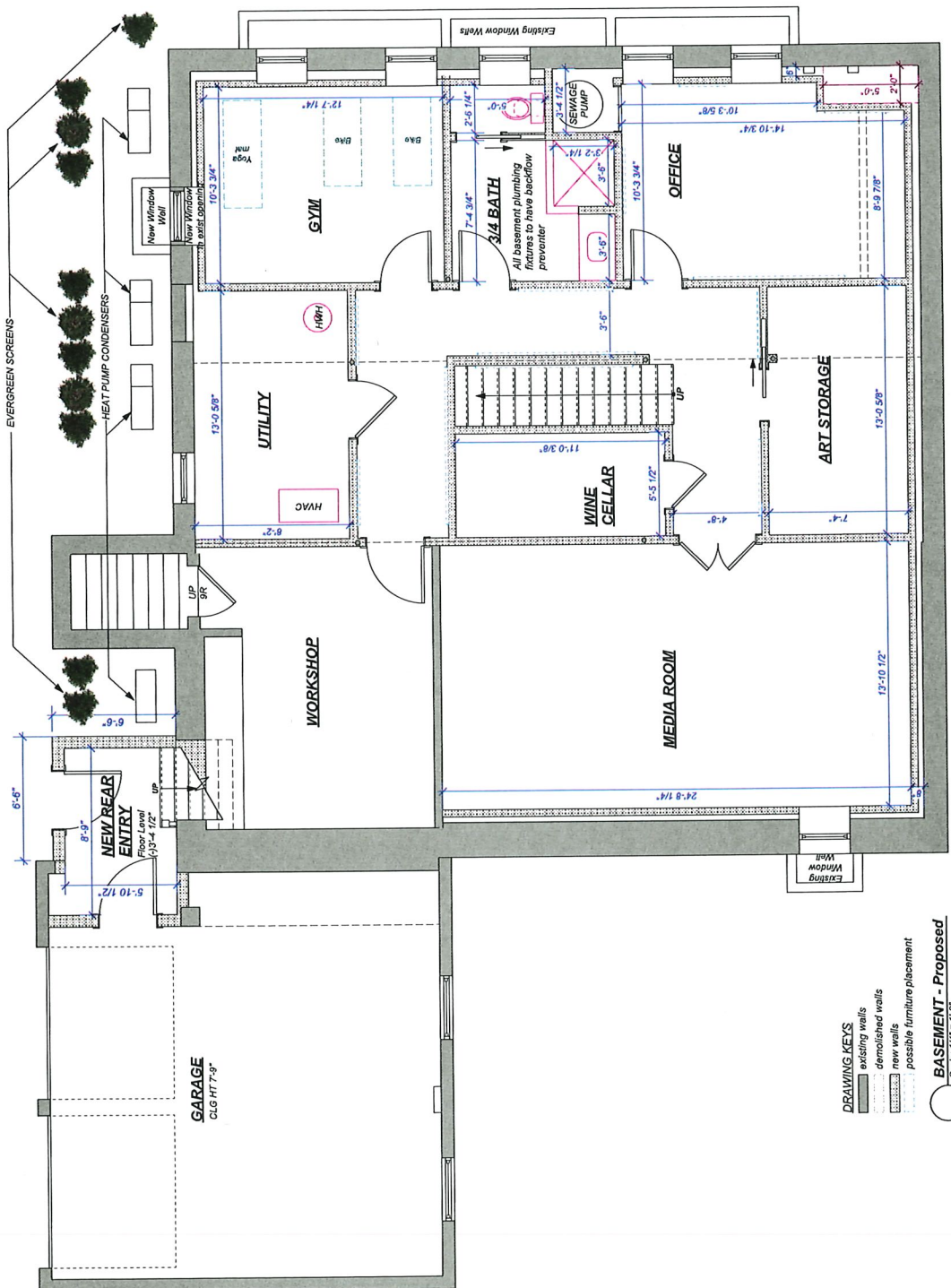
Drawing Title:
Proposed Basement

Dates:
6/05/2023 Measuring
6/07/2023 Exst. Cond.
7/09/2023 Schem. Design
8/29/2023 Design Develop.
10/17/2023 Electrical

Last worked on:
12/21/2023

Scale:
1/4" = 1'-0"
or as noted

Drawing #:
A1-B



DRAWING KEYS
existing walls
demolished walls
new walls
possible furniture placement

BASEMENT - Proposed
Scale: 1/4" = 1'-0"

Designer:
MK

Builder:
Don Foote Contracting
781-438-2995
www.donfoote.com

Project:
Chertavian Residence
124 Brattle St
Cambridge, MA

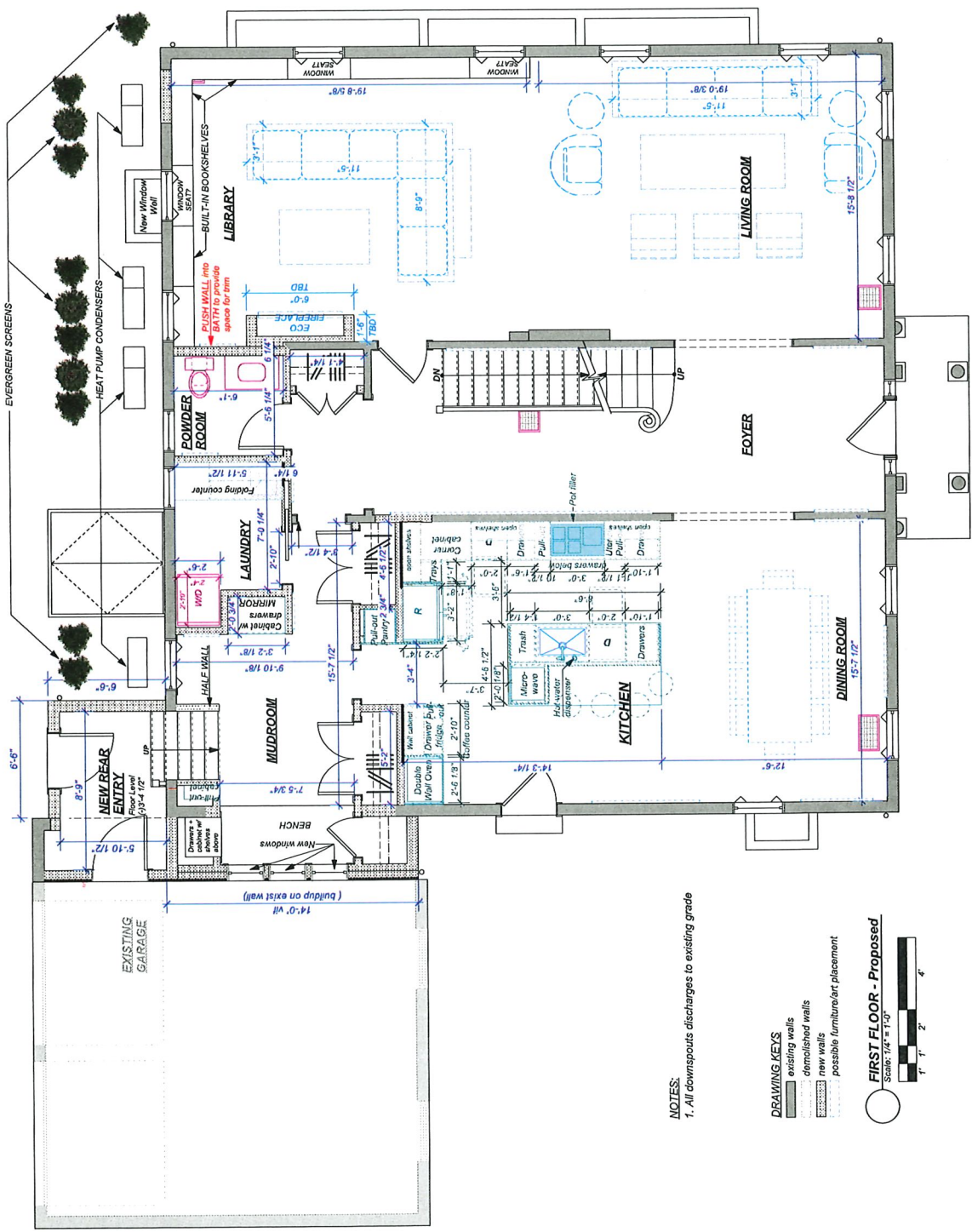
Drawing Title:
Proposed First Floor

Dates:
6/25/2023 Measuring
6/27/2023 Exht. Cond.
7/24/2023 Schem. Design
8/24/2023 Design Develop.
10/17/2023 Electrical

Last worked on:
12/21/2023

Scale:

Drawing #: **A1-1**

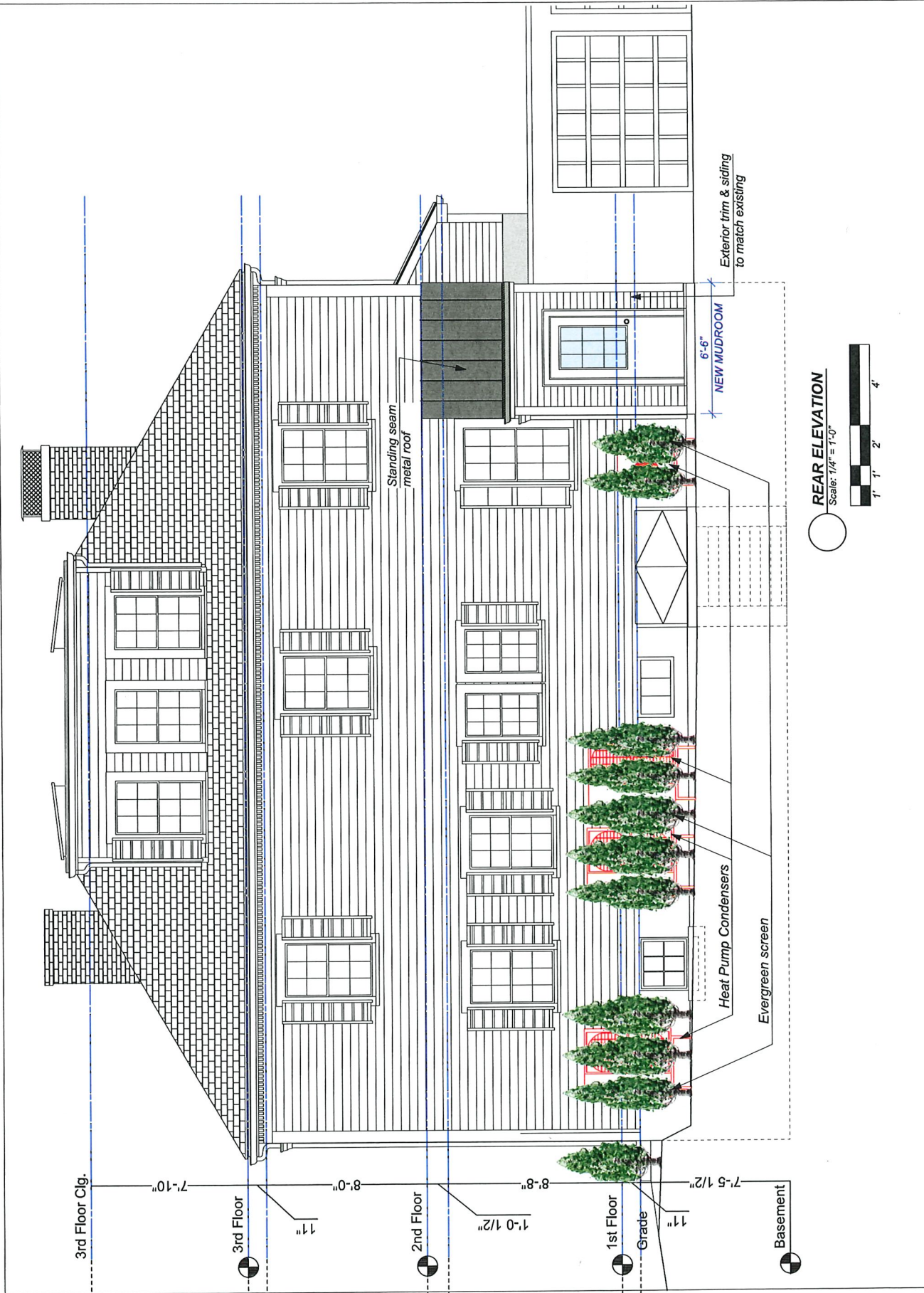


NOTES:
1. All downspouts discharges to existing grade

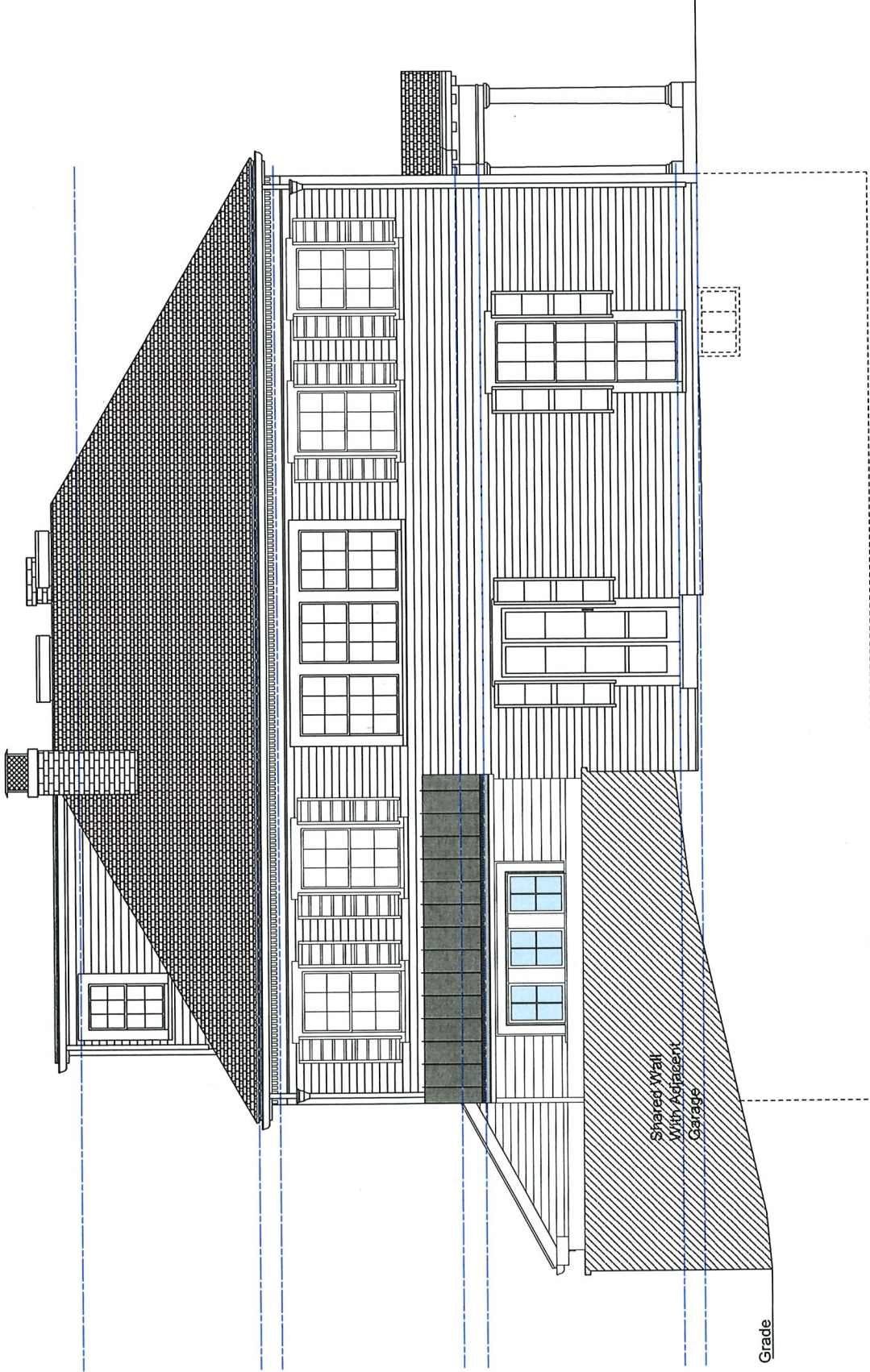
- DRAWING KEYS**
- existing walls
 - demolished walls
 - new walls
 - possible furniture/art placement



Designer: MK	Builder: Don Foote Contracting 781-438-2995 www.donfoote.com	Project: Chertavian Residence 124 Brattle St Cambridge, MA	Drawing Title: Proposed Exterior Elevation-Rear	Dates: 6/05/2023 Measuring 6/07/2023 Exec. Concl. 8/24/2023 Design Develop. 10/17/2023 Electrical	Last worked on: 12/22/2023	Scale:	Drawing #: A2-1
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REAR ELEVATION
Scale: 1/4" = 1'-0"
1" = 1'-0"
2" = 2'-0"
4" = 4'-0"



Designer: MK

Builder:
Don Foote Contracting
781-438-2995
www.donfoote.com

Project:
Chertavian Residence
124 Brattle St
Cambridge, MA

Drawing Title:
Proposed Exterior Elevation-Left

Dates:
6/6/2023 Measuring
7/10/2023 Schem. Design
8/24/2023 Design Develop.
10/17/2023 Electrical

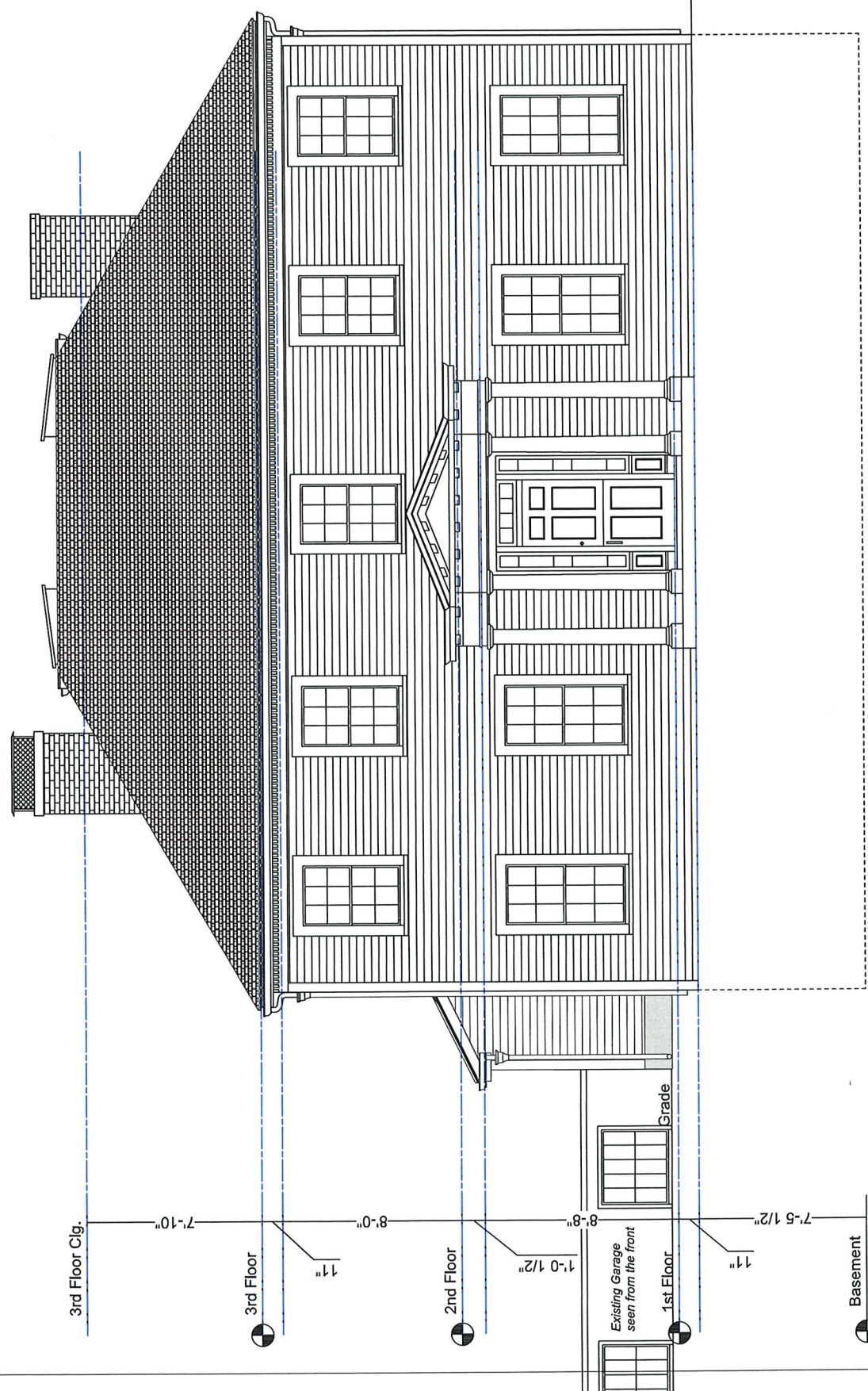
Last worked on:
12/22/2023

Scale:

Drawing #:
A2-2



Designer: MK	Builder: Don Foote Contracting 781-438-2995 www.donfoote.com	Project: Chertavian Residence 124 Brattle St Cambridge, MA	Drawing Title: Proposed Exterior Elevation- Front	Dates: 6/05/2023 Measuring 7/20/2023 Contract 7/20/2023 Site Design 8/24/2023 Design Develop 10/17/2023 Electrical	Last worked on: 12/22/2023	Scale:	Drawing #: A2-3
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FRONT ELEVATION
Scale: 1/4" = 1'-0"

Designer: MK

Builder: **Don Foote Contracting**
781-438-2995
www.donfoote.com

Project: **Chertavian Residence**
124 Brattle St
Cambridge, MA

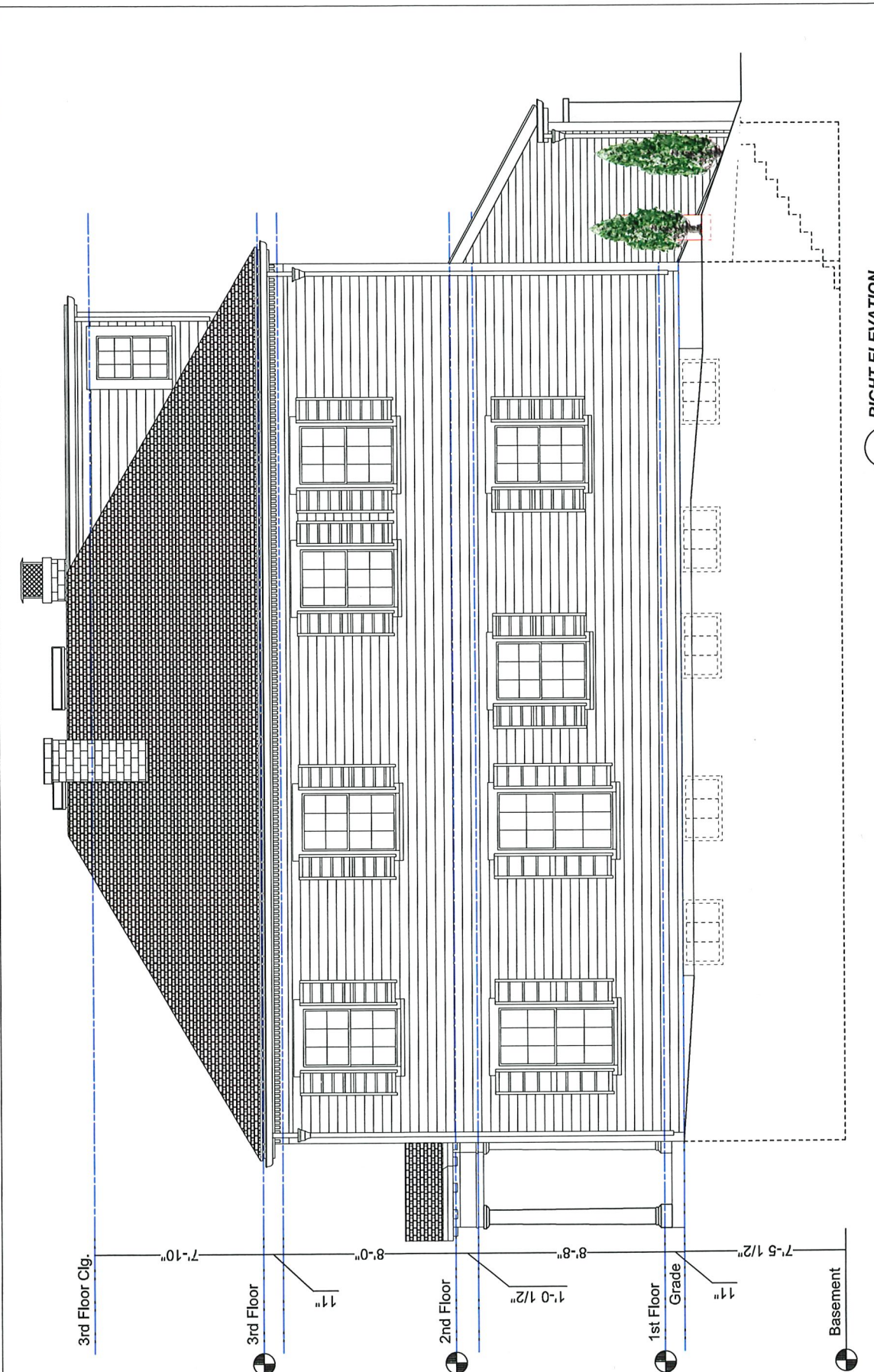
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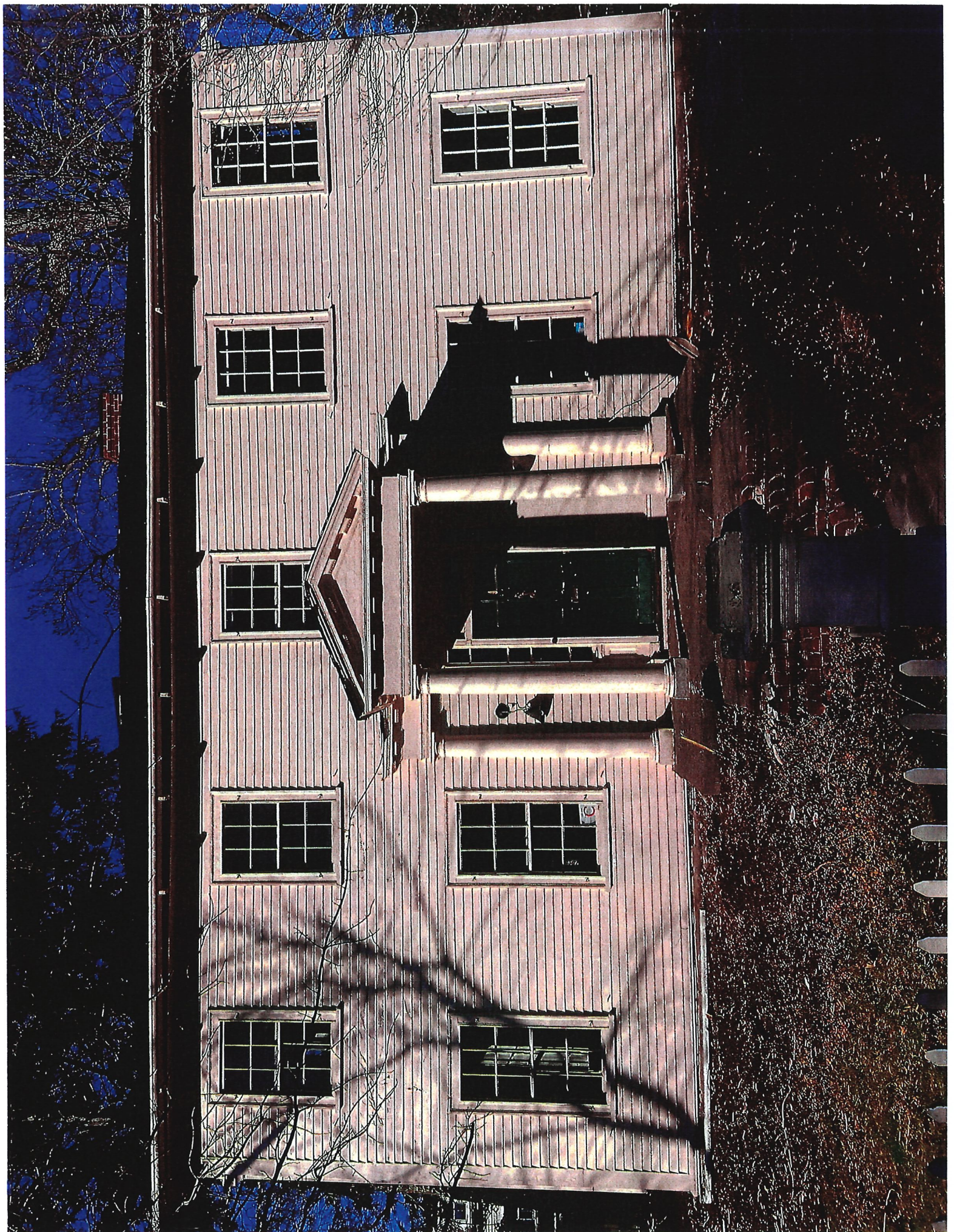
Dates: 6/05/2023 Measuring
7/10/2023 Schem. Design
8/24/2023 Design Develop.
10/17/2023 Electrical

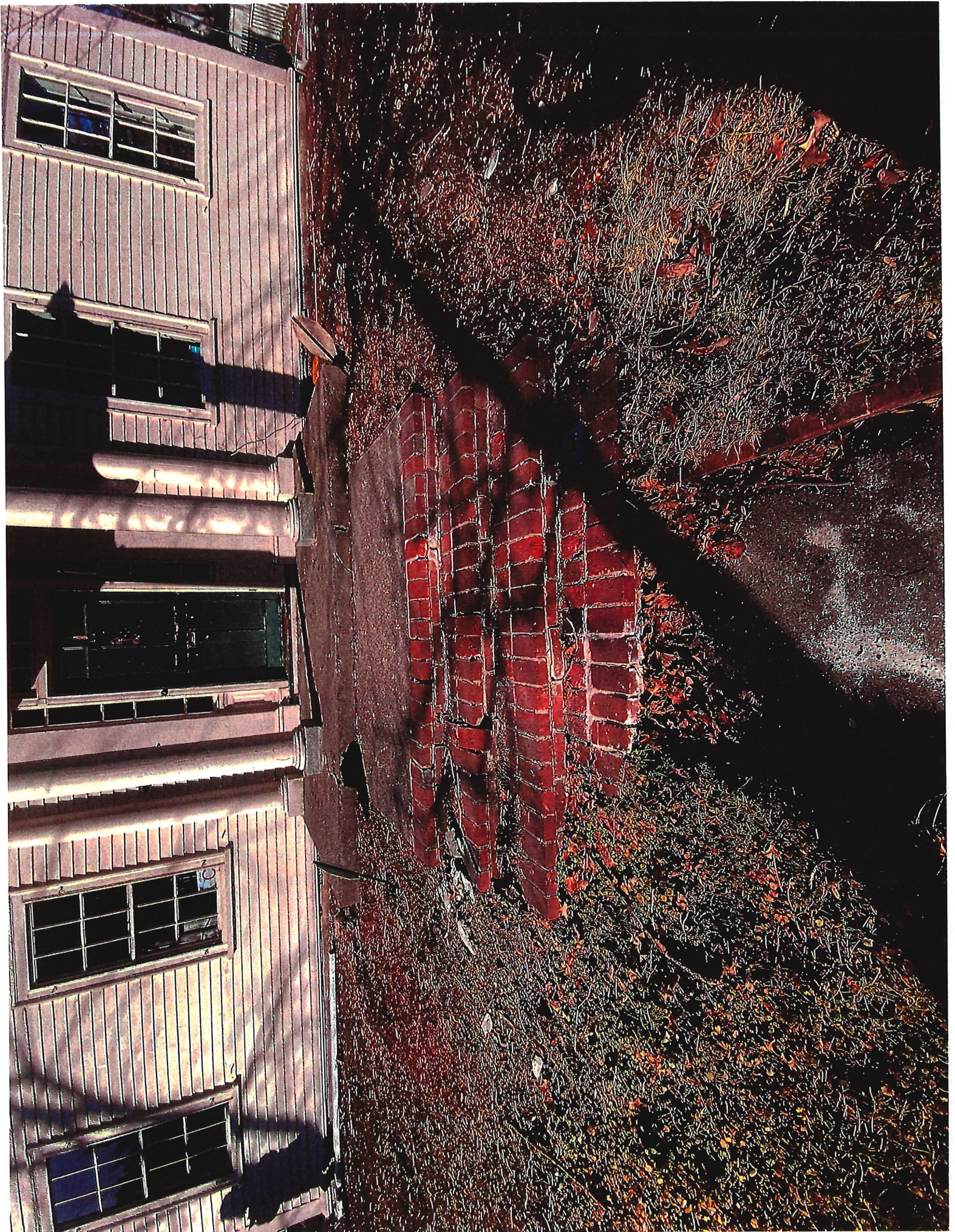
Last worked on: 12/22/2023

Scale:

Drawing #: **A2-4**



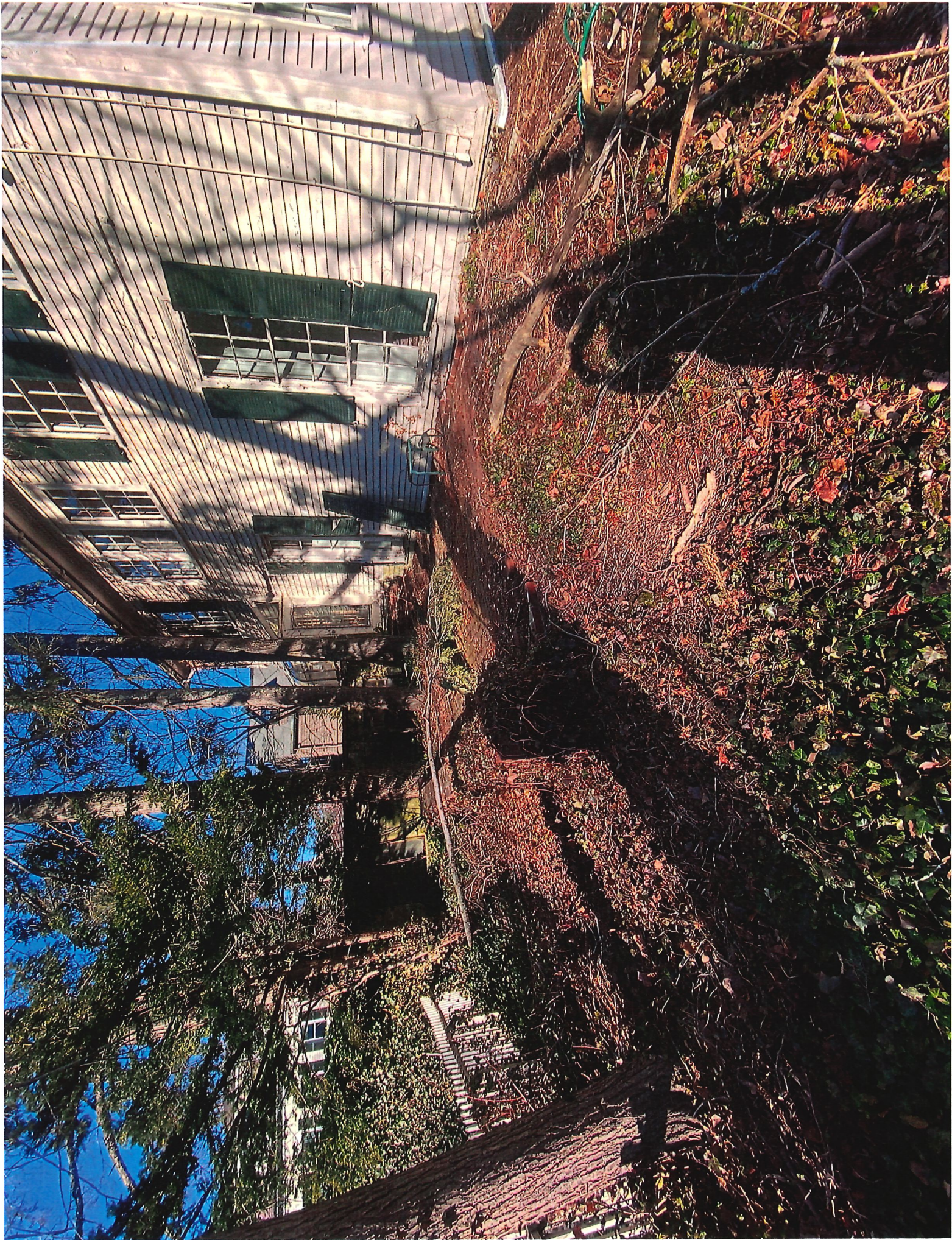
















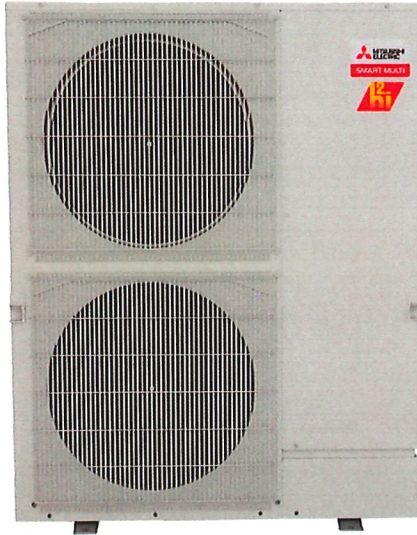
MXZ-SM36NAMHZ2 3-TON MULTI-ZONE INVERTER HEAT-PUMP SYSTEM



Job Name:

System Reference:

Date:



FEATURES

- Compatible with M- and P-Series and CITY MULTI® indoor units. Branch box required for connection with M- and P-Series
- Variable speed INVERTER-driven compressor
- Seacoast protection on heat exchanger and base panel (rated for 2,000 hrs in accordance with ASTM B117 testing)
- Thermal Differential 1°F (with PAC-MKA32/52BC only)
- Built-in base pan heater
- Quiet outdoor unit operation, rated sound pressure as low as 49 dB(A)
- High pressure protection
- Compressor thermal protection
- Compressor overcurrent detection
- Fan motor overheating/voltage protection
- Hyper-heating performance offers 100% heating capacity at 5°F and 75% heating capacity at -13°F
- ENERGY STAR® certified (non-ducted, mixed & ducted)

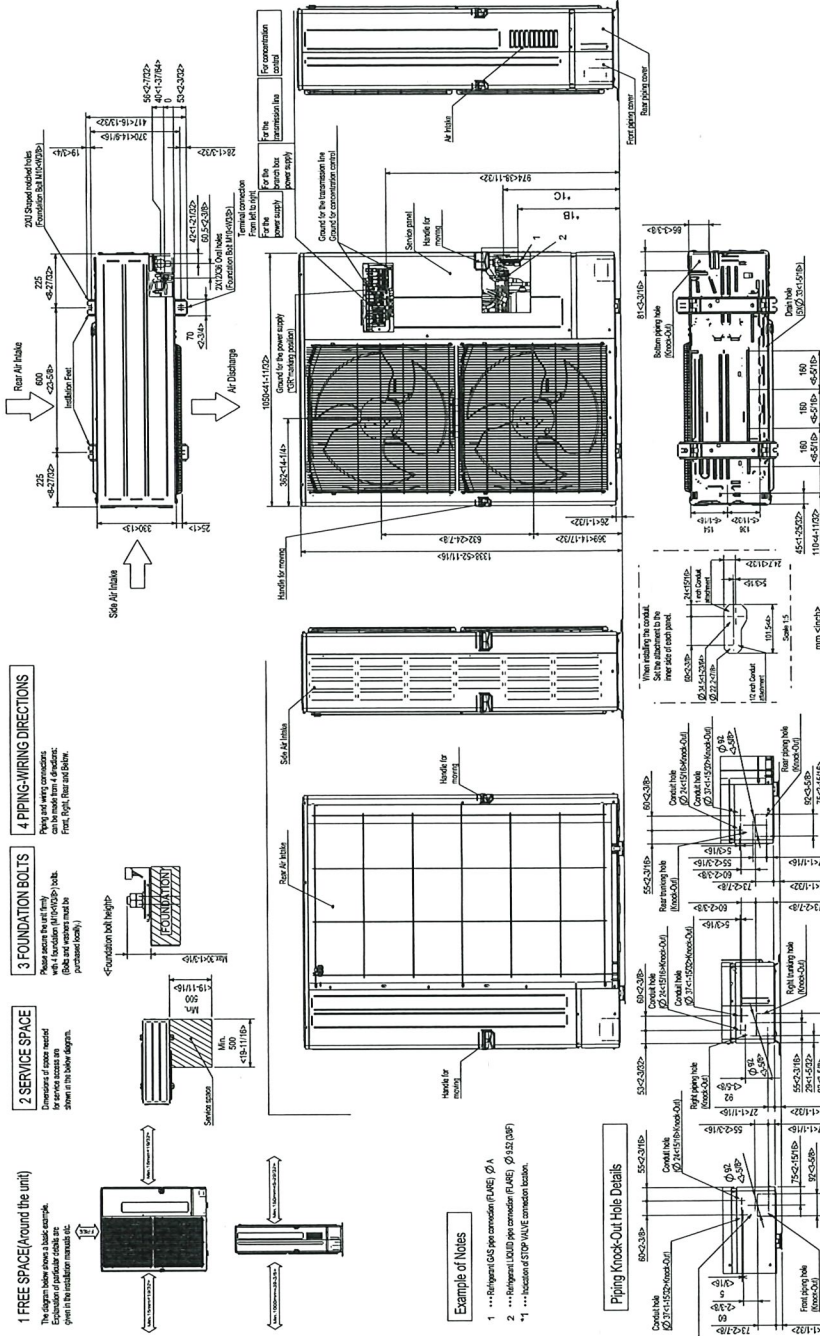
ENERGY STAR products are third-party certified by an EPA-recognized Certification Body.

Specifications are subject to change without notice.

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OUTDOOR UNIT DIMENSIONS: MXZ-SM36NAMHZ2

Unit: mm
<inch>



MODEL NAME	DIMENSION A	DIMENSION B	DIMENSION C
MXZ-SM36NAMHZ	15.88 (5.96F)	4.26 (1.67532)	4.85 (1.91322)
MXZ-SM42NAMHZ	15.88 (5.96F)	4.26 (1.67532)	4.85 (1.91322)
MXZ-SM48NAMHZ	19.05 (6.44F)	4.26 (1.67532)	4.85 (1.91322)
MXZ-SM63NAM	15.88 (5.96F)	4.26 (1.67532)	4.85 (1.91322)
MXZ-SM84NAM	15.88 (5.96F)	4.26 (1.67532)	4.85 (1.91322)



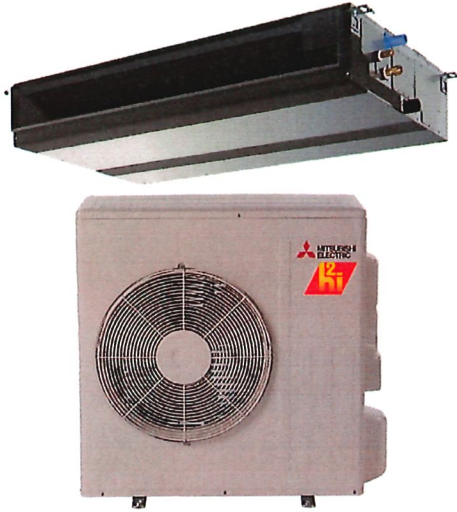
PEAD-A18AA8 & SUZ-KA18NAHZ
18,000 BTU/H HYPER-HEATING UNIVERSAL OUTDOOR UNIT
MID STATIC HORIZONTAL-DUCTED INDOOR UNIT



Job Name:

System Reference:

Date:



Indoor Unit.....PEAD-A18AA8

Outdoor Unit.....SUZ-KA18NAHZ

INDOOR UNIT FEATURES

- Unobtrusive ceiling-concealed design for short-run ductwork
- Wide ranging external static pressure (0.14-0.60 in. WG)
- Built-in condensate lift mechanism (up to 27'-9/16")
- Auto fan speed mode
- Optional FB Series filter boxes for easy access and service
- Ideal for residential homes, retail shopping centers, larger classrooms, office complexes, conference rooms, ballrooms, fitness centers, and more
- Multiple control options available:
 - kumo cloud® smart device app for remote access
 - Third-party interface options
 - Wired or wireless controllers

OUTDOOR UNIT FEATURES

- The outdoor unit powers the indoor unit, and should a power outage occur, the system is automatically restarted when power returns
- INVERTER-driven compressor and LEV provide high efficiency and comfort while using only the energy needed to maintain maximum performance
- H2i® hyper heat performance offers 100% heating capacity at 5° F
- Hot-Start Technology: no cold air rush at equipment startup or when restarting after Defrost Cycle
- Quiet operation
- Blue Fin anti-corrosion treatment applied to the outdoor unit heat exchanger for increased coil protection and longer life
- Built-in base pan heater
- Innovative Joint Lap DC Motor leads to high efficiency and reliability
- Pulse Amplitude Modulation technology

SPECIFICATIONS: PEAD-A18AA8 & SUZ-KA18NAHZ

Outdoor Unit	MCA	A	17.0
	MOCP	A	31
	Fan Motor Full Load Amperage	A	1
	Fan Motor Output	W	60
	Airflow Rate [Cooling / Heating]	CFM	2,020 / 1,930
	Refrigerant Control		LEV
	Defrost Method		Reverse Cycle
	Coating on Heat Exchanger		Blue Fin Coating
	Sound Pressure Level, Cooling ¹	dB(A)	55
	Sound Pressure Level, Heating ²	dB(A)	55
	Compressor Type		DC INVERTER-driven Twin Rotary
	Compressor Model		SNB220FQGMT
	Compressor Rated Load Amps	A	13
	Compressor Locked Rotor Amps	A	16.0
	Compressor Oil [Type // Charge]	oz.	FV50S // 23.7
	External Finish Color		Ivory Munsell 3Y 7.8/1.1
	Base Pan Heater		Built-in
	Unit Dimensions	W x D x H: In. [mm]	33-1/16 x 13 x 34-5/8 [840 x 330 x 880]
	Package Dimensions	W x D x H: In. [mm]	38-3/4 x 16-3/4 x 39 [980 x 420 x 990]
	Unit Weight	Lbs. [kg]	131 [59.5]
Package Weight	Lbs. [kg]	150 [68]	
Outdoor Unit Operating Temperature Range	Cooling Air Temp [Maximum / Minimum]*	°F	115 DB / 14 DB
	Cooling Thermal Lock-out / Re-start Temperatures**	°F	-1 / 3
	Heating Air Temp [Maximum / Minimum]	°F	75 DB, 65 WB / -13 DB, -14 WB
	Heating Thermal Lock-out / Re-start Temperatures**	°F	-25 / -14
Refrigerant	Type		R410A
	Pre-Charged Refrigerant Amount	Lbs, oz	3.0, 12.0
	Maximum Pre-Charged Piping Length	Ft. [m]	100.0 [30.0]
	Additional Refrigerant Charge Per Additional Piping Length	oz./Ft. [g/m]	0 [0]
Piping	Gas Pipe Size O.D. [Flared]	In.[mm]	1/2 [12.7]
	Liquid Pipe Size O.D. [Flared]	In.[mm]	1/4 [6.35]
	Maximum Piping Length	Ft. [m]	100 [30]
	Maximum Height Difference	Ft. [m]	50 [15]
	Maximum Number of Bends		10

NOTES:

AHRI Rated Conditions (Rated data is determined at a fixed compressor speed)	¹ Cooling (Indoor // Outdoor)	°F	80 DB, 67 WB // 95 DB, 75 WB
	² Heating at 47°F (Indoor // Outdoor)	°F	70 DB, 60 WB // 47 DB, 43 WB
	³ Heating at 17°F (Indoor // Outdoor)	°F	70 DB, 60 WB // 17 DB, 15 WB
Conditions	⁴ Heating at 5°F (Indoor // Outdoor)	°F	70 DB, 60 WB // 5 DB, 4 WB
	⁵ Heating at -4°F (Indoor // Outdoor)	°F	70 DB, 60 WB // -4 DB, -5 WB
	⁷ Heating at -13°F (Indoor // Outdoor)	°F	70 DB, 60 WB // -13 DB, -14 WB

*Indoor/Outdoor Unit Operating Temperature Range (Cooling Air Temp [Maximum / Minimum]):

- Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions.

**Outdoor Unit Operating Temperature Range (Cooling Thermal Lock-out / Re-start Temperatures; Heating Thermal Lock-out / Re-start Temperatures):

- System cuts out in heating mode to avoid thermistor error and automatically restarts at these temperatures.

PVA-A30AA7 & PUZ-HA30NKA
30,000 BTU/H MULTI-POSITION AIR HANDLER
30,000 BTU/H HYPER-HEATING UNIVERSAL OUTDOOR



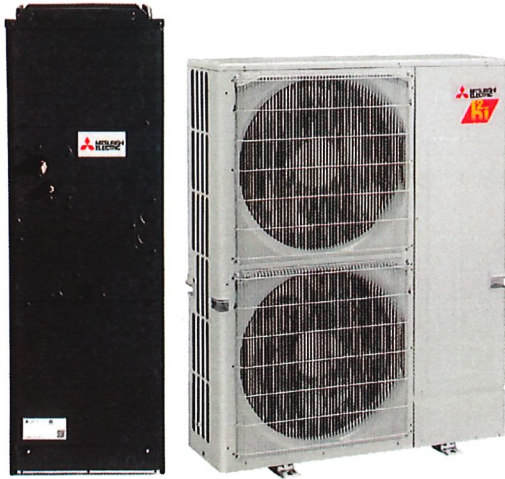
Job Name:

System Reference:

Date:

Indoor Unit.....PVA-A30AA7

Outdoor Unit.....PUZ-HA30NKA



INDOOR UNIT FEATURES

- Ducted air handler provides a solution to cool and heat large zones
- Highly efficient totally enclosed ECM motor
- Selectable external static pressure: 0.30, 0.50 and 0.80 in.WG with 3 fan speeds at each static setting
- 1 inch R4.2 fiberglass free insulation reduces condensation and boosts efficiency
- Positive pressure cabinet with air leakage of less than 1.0% at 1.0 in.WG
- Unique blow through design allows simple coil cleaning when the blower is removed
- Multi-position installation: horizontal (left or right), vertical (up or down). For downflow configurations, the CMA-1 is recommended for proper management of condensate to prevent water blow-off in certain conditions
- Optional electric heat kit for additional heat capacity
- Optional humidifier control and ERV control
- Multiple control options available:
 - kumo cloud® smart device app for remote access
 - Third-party interface options
 - Wired or wireless controllers

OUTDOOR UNIT FEATURES

- Variable speed INVERTER-driven compressor
- 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
- Pre-charged with refrigerant volume for piping length up to 70 ft.
- High pressure/temperature protection
- Built-in base pan heater
- Flash injection circuit provides efficient high heating capacities at low ambient temperatures

SPECIFICATIONS: PVA-A30AA7 & PUZ-HA30NKA

Cooling at 95°F ¹	Maximum Capacity	BTU/H	30,000	
	Rated Capacity	BTU/H	30,000	
	Minimum Capacity	BTU/H	14,800	
	Maximum Power Input	W	2,300	
	Rated Power Input	W	2,300	
	Moisture Removal	Pints/h	5.9	
	Sensible Heat Factor		0.78	
Heating at 47°F ²	Power Factor [208V / 230V]	%	89.0 / 89.0	
	Maximum Capacity	BTU/H	34,000	
	Rated Capacity	BTU/H	32,000	
	Minimum Capacity	BTU/H	14,800	
	Maximum Power Input	W	2,750	
	Rated Power Input	W	2,460	
	Power Factor [208V / 230V]	%	90.0 / 90.0	
Heating at 17°F ³	Maximum Capacity	BTU/H	32,000	
	Rated Capacity	BTU/H	21,000	
	Maximum Power Input	W	4,135	
	Rated Power Input	W	2,515	
Heating at 5°F ⁴	Maximum Capacity	BTU/H	32,000	
	Maximum Power Input	W	4,315	
Efficiency	Heating at -13°F ⁷	Maximum Capacity	BTU/H	25,600
	SEER ²		18.0	
	EER ² ¹		13.0	
	HSPF ² [IV]		8.7	
	COP at 47°F ²		3.8	
	COP at 17°F at Maximum Capacity ³		2.2	
	COP at 5°F at Maximum Capacity ⁴		2.0	
Electrical	Voltage, Phase, Frequency		208/230, 1, 60	
	Guaranteed Voltage Range	V AC	198 - 253	
	Voltage: Indoor - Outdoor, S1-S2	V AC	208/230	
	Voltage: Indoor - Outdoor, S2-S3	V DC	24	
	Short-circuit Current Rating [SCCR]	kA	5	
	Recommended Fuse/Breaker Size (Outdoor)	A	35	
	Recommended Wire Size [Indoor - Outdoor]	AWG	14	
	Power Supply		Indoor unit is powered by the outdoor unit	
	MCA	A	4.13	
	Fan Motor Full Load Amperage	A	3.3	
Indoor Unit	Fan Motor Type		DC Motor	
	Airflow Rate at Cooling, Dry	CFM	613-744-875	
	Airflow Rate at Heating, Dry	CFM	613-744-875	
	Sound Pressure Level [Cooling]	dB[A]	30-34-38	
	Sound Pressure Level [Heating]	dB[A]	30-34-38	
	External Static Pressure	in.WG	0.30-0.5-0.8	
	Drain Pipe Size	In. [mm]	3/4 FPT [19.05]	
	Coating on Heat Exchanger		—	
	External Finish Color		Galvanized steel cabinet-Powder coated Slate Gray	
	Unit Dimensions	W x D x H: In. [mm]	21 x 21-5/8 x 54-1/4 [534 x 548 x 1,378]	
	Package Dimensions	W x D x H: In. [mm]	13-7/16 x 34-11/16 x 53-3/16 [340 x 880 x 1,350]	
	Unit Weight	Lbs. [kg]	141 [64]	
	Indoor Unit Operating Temperature Range	Cooling Intake Air Temp [Maximum / Minimum]*	°F	90 DB, 72 WB / 66 DB, 61 WB
Heating Intake Air Temp [Maximum / Minimum]		°F	77 DB / 59 DB	

NOTES:

AHRI Rated Conditions (Rated data is determined at a fixed compressor speed)

¹ Cooling (Indoor // Outdoor)	°F	80 DB, 67 WB // 95 DB, 75 WB
² Heating at 47°F (Indoor // Outdoor)	°F	70 DB, 60 WB // 47 DB, 43 WB
³ Heating at 17°F (Indoor // Outdoor)	°F	70 DB, 60 WB // 17 DB, 15 WB

Conditions

⁴ Heating at 5°F (Indoor // Outdoor)	°F	70 DB, 60 WB // 5 DB, 4 WB
⁷ Heating at -13°F (Indoor // Outdoor)	°F	70 DB, 60 WB // -13 DB, -14 WB

* Indoor/Outdoor Unit Operating Temperature Range (Cooling Air Temp [Maximum / Minimum]):

- Wind baffles required to operate below 23°F DB in cooling mode.
- Refer to wind baffle documentation for further information.

**Outdoor Unit Operating Temperature Range (Cooling Thermal Lock-out / Re-start Temperatures; Heating Thermal Lock-out / Re-start Temperatures):

- System cuts out in heating mode to avoid thermistor error and automatically restarts at these temperatures.

SVZ-KP36NA & SUZ-KA36NAHZ
36,000 BTU/H MULTI-POSITION AIR HANDLER
36,000 BTU/H HYPER-HEATING UNIVERSAL OUTDOOR UNIT



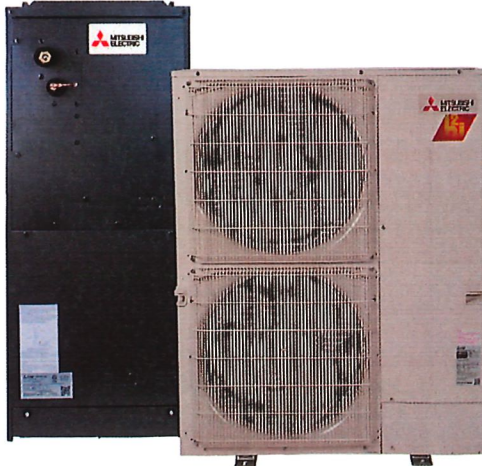
Job Name:

System Reference:

Date:

Indoor Unit.....SVZ-KP36NA

Outdoor Unit.....SUZ-KA36NAHZ



INDOOR UNIT FEATURES

- Ducted air handler provides a solution to cool and heat large zones
- Highly efficient totally enclosed ECM motor
- Selectable external static pressure: 0.30, 0.50 and 0.80 in.WG with 3 fan speeds at each static setting
- 1 inch R4.2 fiberglass free insulation reduces condensation and boosts efficiency
- Positive pressure cabinet with air leakage of less than 2.0% at 1.0 In.WG (Tested per ASHRAE Standard 193)
- Unique blow through design allows simple coil cleaning when the blower is removed
- Multi-position installation: horizontal (left or right), vertical (up or down)
- Optional electric heat kit for additional heat capacity
- Optional humidifier control and ERV control
- Built-in humidifier control, ERV control and auxiliary heat control
- Optional downflow kit
- Multiple control options available:
 - kumo cloud® smart device app for remote access
 - Third-party interface options
 - Wired or wireless controllers

OUTDOOR UNIT FEATURES

- The outdoor unit powers the indoor unit, and should a power outage occur, the system is automatically restarted when power returns
- INVERTER-driven compressor and LEV provide high efficiency and comfort while using only the energy needed to maintain maximum performance
- Hyper-heating performance offers 100% heating capacity at 5° F
- Hot-Start Technology: no cold air rush at equipment startup or when restarting after Defrost Cycle
- Quiet operation
- Built-in base pan heater
- Innovative Joint Lap DC Motor leads to high efficiency and reliability
- Pulse Amplitude Modulation technology

SPECIFICATIONS: SVZ-KP36NA & SUZ-KA36NAHZ

Cooling at 95°F ¹	Maximum Capacity	BTU/H	36,000
	Rated Capacity	BTU/H	36,000
	Minimum Capacity	BTU/H	14,200
	Maximum Power Input	W	3,760
	Rated Power Input	W	3,760
	Moisture Removal	Pints/h	8.4
	Sensible Heat Factor		0.74
Heating at 47°F ²	Maximum Capacity	BTU/H	40,000
	Rated Capacity	BTU/H	37,000
	Minimum Capacity	BTU/H	13,800
	Maximum Power Input	W	4,160
	Rated Power Input	W	3,280
	Power Factor [208V / 230V]	%	98.0 / 98.0
	Heating at 17°F ³	Maximum Capacity	BTU/H
Rated Capacity		BTU/H	32,800
Maximum Power Input		W	5,800
Rated Power Input		W	4,230
Heating at 5°F ⁴	Maximum Capacity	BTU/H	37,000
	Maximum Power Input	W	6,590
Efficiency	Maximum Capacity	BTU/H	29,600
	SEER SEER2		16.0 16.0
	EER ¹ EER2 ¹		9.5 9.5
	HSPF [IV] HSPF2 [IV]		9.0 9.0
	COP at 47°F ²		3.3
	COP at 17°F at Maximum Capacity ³		1.8
	COP at 5°F at Maximum Capacity ⁴		1.6
	ENERGY STAR [®] Certified		No
Electrical	Voltage, Phase, Frequency		208/230, 1, 60
	Guaranteed Voltage Range	V AC	187 - 253
	Voltage: Indoor - Outdoor, S1-S2	V AC	208/230
	Voltage: Indoor - Outdoor, S2-S3	V DC	24
	Short-circuit Current Rating [SCCR]	kA	5
	Recommended Fuse/Breaker Size (Outdoor)	A	35
	Recommended Wire Size [Indoor - Outdoor]	AWG	14
	Power Supply		Indoor unit is powered by the outdoor unit
Indoor Unit	MCA	A	4.13
	Fan Motor Full Load Amperage	A	3.3
	Fan Motor Type		DC Motor
	Airflow Rate at Cooling, Dry	CFM	767-910-910
	Airflow Rate at Heating, Dry	CFM	767-910-910
	Sound Pressure Level [Cooling]	dB[A]	35-40-42
	Sound Pressure Level [Heating]	dB[A]	35-40-42
	External Static Pressure	in.WG	0.30-0.5-0.8
	Drain Pipe Size	In. [mm]	3/4 [19.05]
	Coating on Heat Exchanger		-
	External Finish Color		Hot-dip coated steel (ZAM)
	Unit Dimensions	W x D x H: In. [mm]	21 x 21-5/8 x 43-3/4 [533 x 549 x 1,111]
	Package Dimensions	W x D x H: In. [mm]	21 x 28-3/4 x 48-3/8 [558 x 730 x 1,228]
	Unit Weight	Lbs. [kg]	119 [54]
Package Weight	Lbs. [kg]	141 [64]	
Indoor Unit Operating Temperature Range	Cooling Intake Air Temp [Maximum / Minimum]*	°F	90 DB, 72 WB / 68 DB, 61 WB
	Heating Intake Air Temp [Maximum / Minimum]	°F	77 DB / 59 DB

NOTES:

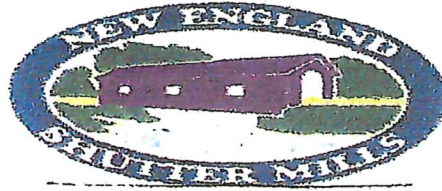
AHRI Rated Conditions
 (Rated data is determined at a fixed compressor speed)

¹ Cooling (Indoor // Outdoor)	°F	80 DB, 67 WB // 95 DB, 75 WB
² Heating at 47°F (Indoor // Outdoor)	°F	70 DB, 60 WB // 47 DB, 43 WB
³ Heating at 17°F (Indoor // Outdoor)	°F	70 DB, 60 WB // 17 DB, 15 WB

Conditions	°F	70 DB, 60 WB // 5 DB, 4 WB
	°F	70 DB, 60 WB // -13 DB, -14 WB

*Indoor/Outdoor Unit Operating Temperature Range (Cooling Air Temp [Maximum / Minimum]):
 • Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions.

**Outdoor Unit Operating Temperature Range (Cooling Thermal Lock-out / Re-start Temperatures; Heating Thermal Lock-out / Re-start Temperatures):
 • System cuts out in heating mode to avoid thermistor error and automatically restarts at these temperatures.



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HOLDBACKS

Product: New England Style Spring Hold-Backs with Fasteners
Material: Galvanized Steel Spring with Bronze Post
Dimensions: Spring Dimension 5.5" long Post Dimension 4.25" Long

Description: Shutter holdback mounted to the bottom of the shutter. Secures shutter to the building allowing for quick release when needed

HINGE & PINTEL for WOOD

Product: New England Style Traditional Hinge and Pintel
Material: Galvanized Steel With Bronze Post
Hinge Dimension: 1.5" wide x 2.375" tall
Pintel dimension: 4.25" Long

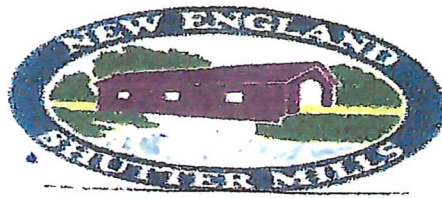
Description: Hinges are stamped with a rolled end to accept the pintel

Pintels have a pointed barbed tip that is hammered into the window casing. The 1/4 tip of the pintel points upward to accept the rolled edge of the hinge

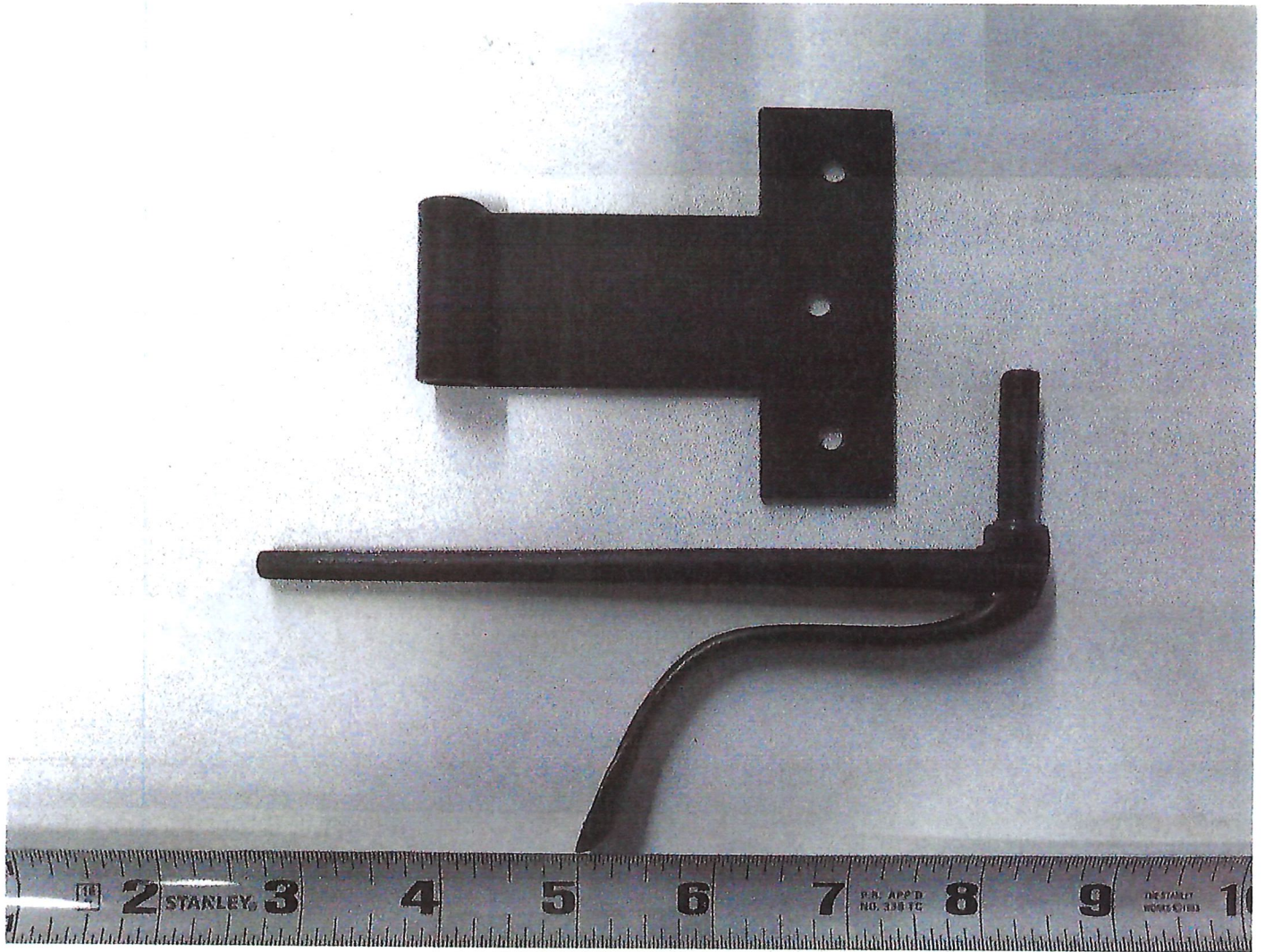
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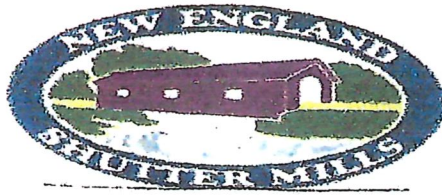
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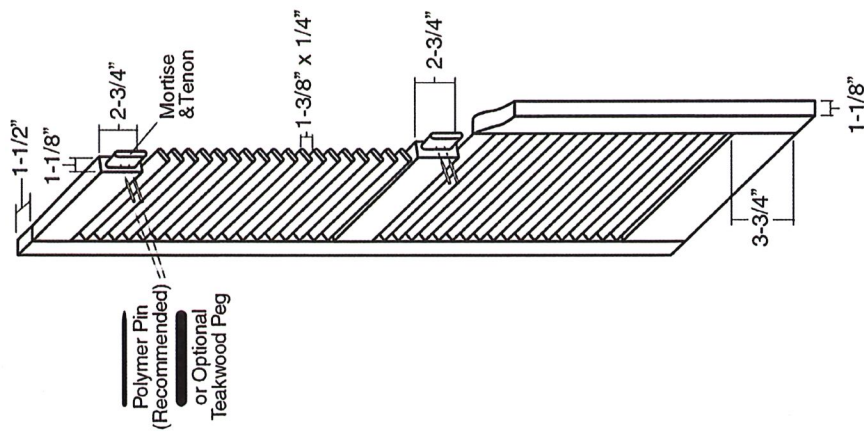


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Classic Louver



XCLM