



COMMISSION OF ARCHITECTURAL REVIEW

APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

PROPERTY (location of work)

Address 2401 E. BROAD ST - SOUTHEAST CORNER
OF PROPERTY
Historic district ST JOHN'S CHURCH

Date/time rec'd: 6/28/18 2:42 pm
Rec'd by: AM
Application #: COA-037930-2018
Hearing date: 7/24/18

APPLICANT INFORMATION

Name AMY SWARTZ
Company ST JOHN'S CHURCH FOUNDATION
Mailing Address 2319 E. BROAD ST.
23223

Phone 804-643-0555
Email Amy@historicStJohnsChurch.org
Applicant Type: Owner Agent
 Lessee Architect Contractor
Other (please specify): _____

OWNER INFORMATION (if different from above)

Name ST JOHN'S CHURCH / AMELIE WILMER -
RECTOR
Mailing Address 2319 E. BROAD ST.
23229

Company _____
Phone 804-649-7938
Email awilmer@saintjohnsrichmond.org

PROJECT INFORMATION

Review Type: Conceptual Review Final Review
Project Type: Alteration Demolition

New Construction
(Conceptual Review Required)

Project Description: (attach additional sheets if needed)

ATTACHED

ACKNOWLEDGEMENT OF RESPONSIBILITY

Compliance: If granted, you agree to comply with all conditions of the COA. Revisions to approved work require staff review and may require a new application and CAR approval. Failure to comply with the COA may result in project delays or legal action. The COA is valid for one (1) year and may be extended for an additional year, upon written request.

Requirements: A complete application includes all applicable information requested on checklists to provide a complete and accurate description of existing and proposed conditions. Preliminary review meeting or site visit with staff may be necessary to process the application. Owner contact information and signature is required. Late or incomplete applications will not be considered.

Zoning Requirements: Prior to CAR review, it is the responsibility of the applicant to determine if zoning approval is required and application materials should be prepared in compliance with zoning.

Signature of Owner Amelie A. Wilmer, Priest-in-Charge Date 6/28/2018

St. John's Church Foundation
2401 E. Broad St.

Project Description:

Installation of one 24,000 BTU condensing unit on actor's studio building at rear (southeast corner) of St. John's Church property. Location of unit will be on east side of building. The existing window unit will be removed. A screen will be installed in front of the condensing unit – similar to the screen installed in front of condensing unit at rear of St. John's Church Visitor Center building (see attached image). The Visitor Center screen was previously approved by CAR. Size of condensing unit is 34 5/8 – x 33 1/16 x 13. A copper line will be installed to match the existing copper gutters and downspouts on the structure.

Attachments:

Site plan (actors' studio is labeled X)

Photos of exterior of actor's studio building (3)

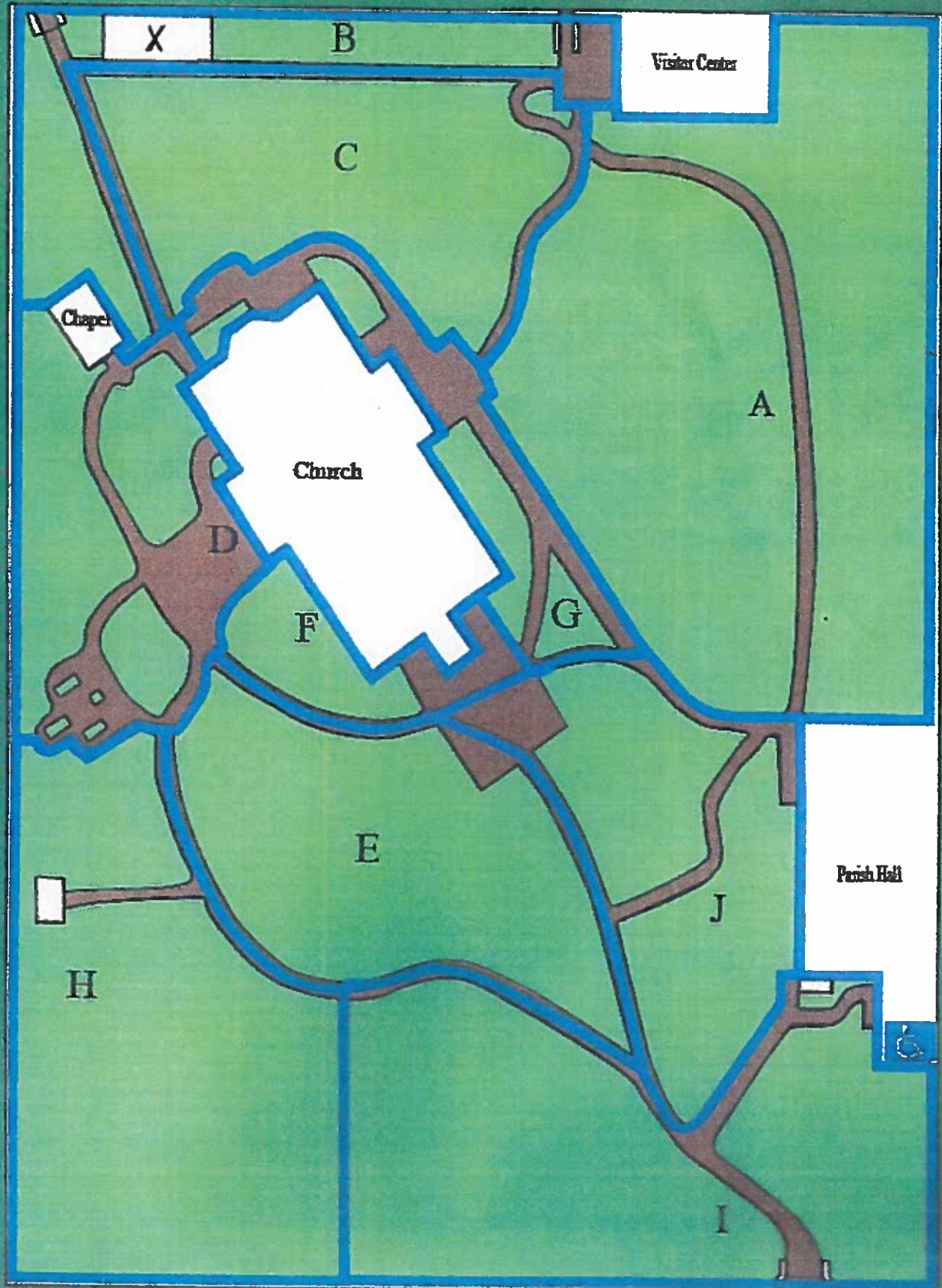
- a. Elevation with sketch of proposed installation
- b. View from gate at E. Grace Street
- c. View from the corner of E. Grace Street and 25th street

Spec sheet of condensing unit to be installed

Photo of condensing unit installed on a similar building – note: line will be copper not white

Photos of screen in front of condensing unit on St. John's Church Visitor Center (2)

Grace Street



Visitor Center

Chapel

Church

A

D

F

G

E

J

Parish Hall

H

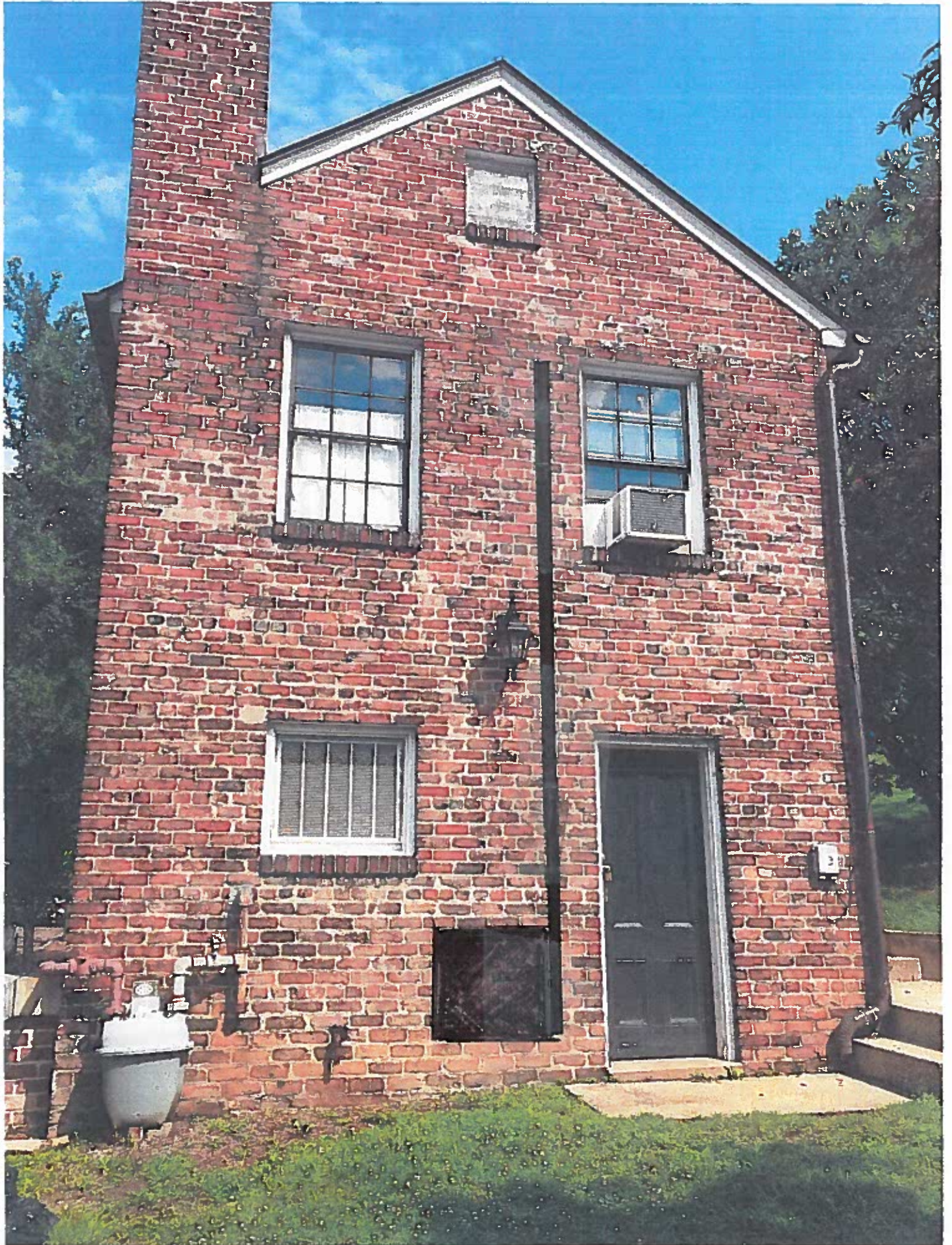
I

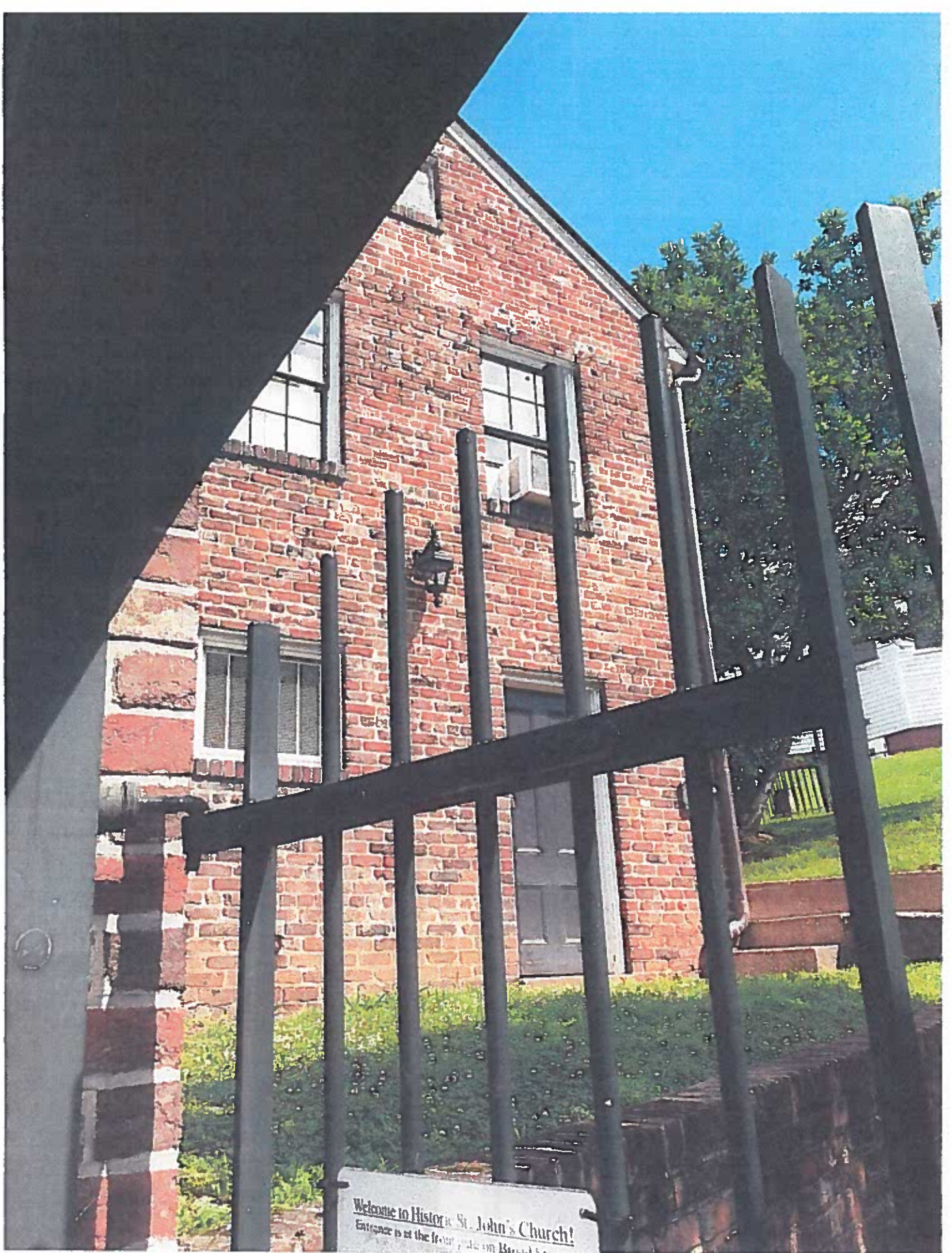
25th Street

24th Street

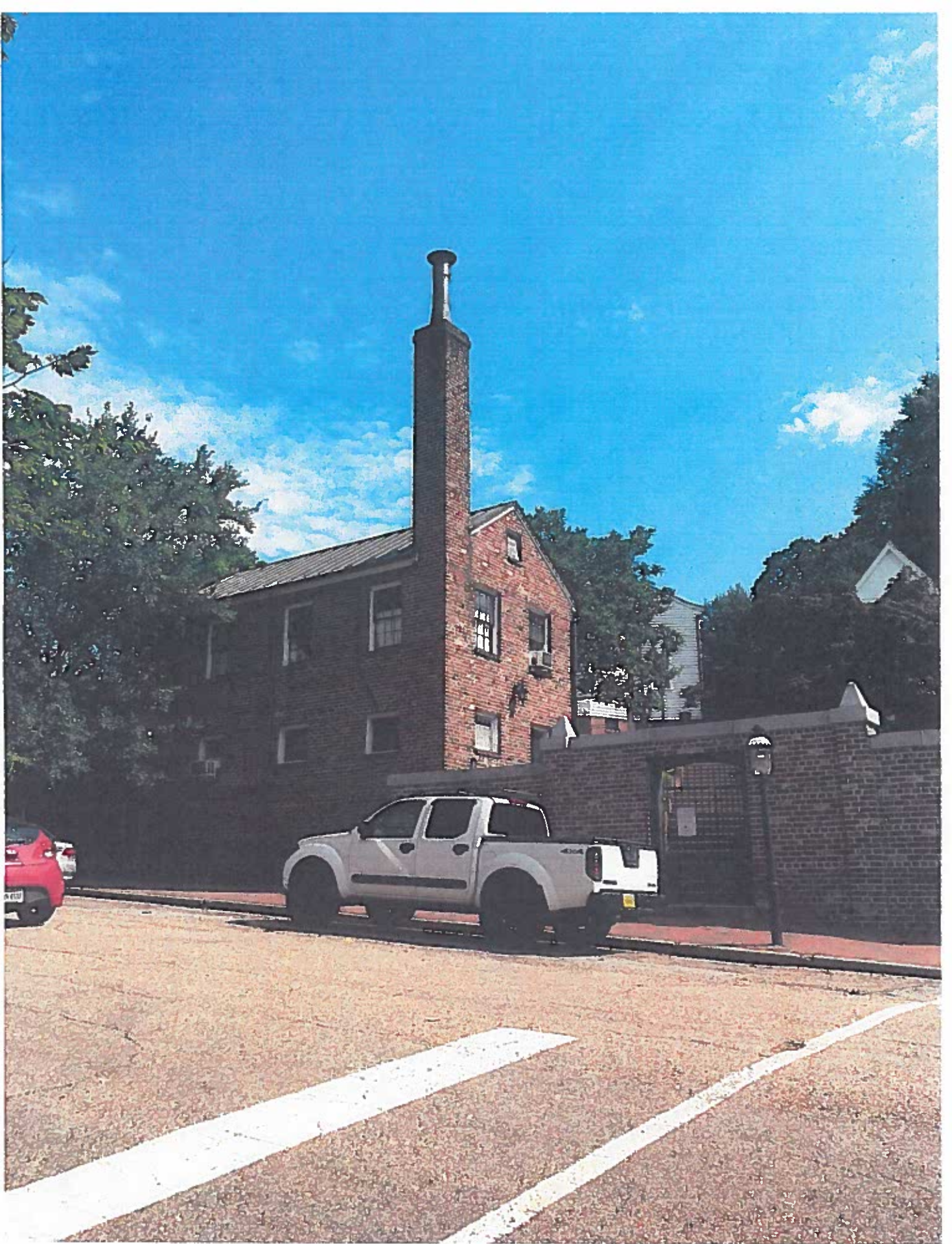
Broad Street

a.





b.



C.

Job Name: ST. JOHN'S CHURCH

System Reference: ACTORS STUDIO

Date: 6-25-2018



Indoor Unit: MSZ-HM24NA-U1



Wireless Remote Controller



Outdoor Unit: MUZ-HM24NA-U1

ACCESSORIES:

Indoor Unit

- Condensate Pump (BlueDiamond X87-711/721; 115/230V)
- Condensate Pump (Sauermann SI30-115/230; 115/230V)
- Anti-Allergy Enzyme Filter (MAC-408FT-E)
- Drain Pan Level Sensor (DPLS2)

Outdoor Unit

- Outdoor Mounting Pad (ULTRILITE1)
- Drain Pan Heater (MAC-642BH-U)
- 3-1/4" Mounting Base [Pair] (DSD-400P)
- Drain Pan Socket (MAC-851DS)
- Air Outlet Guide (MAC-886SG-E)
- Wall Mounting Bracket (QSWB2000M-1)

SPECIFICATIONS:

Rated Conditions (Capacity / Input)

Cooling ¹	Btu/h / W	22,500 / 2,630
Heating at 47° F ²	Btu/h / W	26,000 / 2,500

Capacity Range		Minimum	Maximum
Cooling ¹	Btu/h	5,800	22,500
Heating at 47° F ²	Btu/h	5,400	26,000
Heating at 17° F ³	Btu/h	-	18,500
Heating at 5° F ⁴	Btu/h	-	15,000

¹ Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C)WB; Outdoor: 95° F (35° C) DB / 75° F (24° C)WB
² Heating at 47° F | Indoor: 70° F (21° C) DB / 60° F (16° C)WB; Outdoor: 47° F (8° C) DB / 43° F (6° C)WB
³ Heating at 17° F | Indoor: 70° F (21° C) DB / 60° F (16° C)WB; Outdoor: 17° F (-8° C) DB / 15° F (-9° C)WB
⁴ Heating at 5° F | Indoor: 70° F (21° C) DB / 60° F (16° C)WB; Outdoor: 5° F (-15° C) DB / 5° F (-15° C)WB
 * Rating Conditions per AHRI Standard:

Operating Conditions (Indoor Intake Air Temp.) (Max. / Min.)

Cooling	90° F (32° C) DB / 67° F (19° C) DB
Heating	80° F (27° C) DB / 70° F (21° C) DB

Operating Conditions (Outdoor Intake Air Temp.) (Max. / Min.)

Cooling ⁵	115 F (46° C) DB / 14° F (-10° C) DB
Heating	75° F (24° C) DB / -4° F (-20° C) DB**

⁵ Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions.
 ** System cuts out at -9° F (-27° C) to avoid thermistor error and automatically restarts at -4° F (-20° C).

AHRI Efficiency Ratings

SEER / EER / HSPF	18.0 / 8.6 / 9.5
COP at 47° F / 17° F	3.05 / 2.36

Electrical Power Requirements	208 / 230V, 1-Phase, 60 Hz
-------------------------------	----------------------------

Minimum Circuit Ampacity (MCA)

Indoor / Outdoor	A	1 / 14
------------------	---	--------

Specifications are subject to change without notice.

Indoor Unit		
Blower Motor (ECM)	FLA	0.67
Blower Motor Output	W	30
SHF / Moisture Removal		0.87 / 2.3 pt./h
Field Drainpipe Size O.D.	In.(mm)	5/8 (15)

Outdoor Unit		
Compressor		DC INVERTER-driven Twin Rotary
Fan Motor (ECM)	FLA	0.93

Airflow Rate (Lo - Med - Hi - Super Hi)

Indoor (Cooling)	DRY	CFM	353-431-530-702
	WET		318-388-477-632
Indoor (Heating)	DRY	CFM	346-448-579-702
Outdoor			1,691 / 1,691

Sound Pressure Level (Lo - Med - Hi - Super Hi)

Indoor	Cooling	dB(A)	33-38-44-50
	Heating		32-38-44-50
Outdoor	Cooling	dB(A)	54
	Heating		55

External Dimensions

Indoor (H x W x D)	In.(mm)	12 x 36-5/16 x 9-13/16 (305 x 923 x 250)
Outdoor (H x W x D)	In.(mm)	34-5/8 x 33-1/16 x 13 (880 x 840 x 330)

Net Weight

Indoor	Lbs.(kg)	28 (13)
Outdoor		121 (55)

External Finish

Indoor	Munsell 1.0Y 9.2 / 0.2
Outdoor	Munsell No. 3Y 7.8 / 1.1

Refrigerant	R410A; 3 lb. 9 oz.
-------------	--------------------

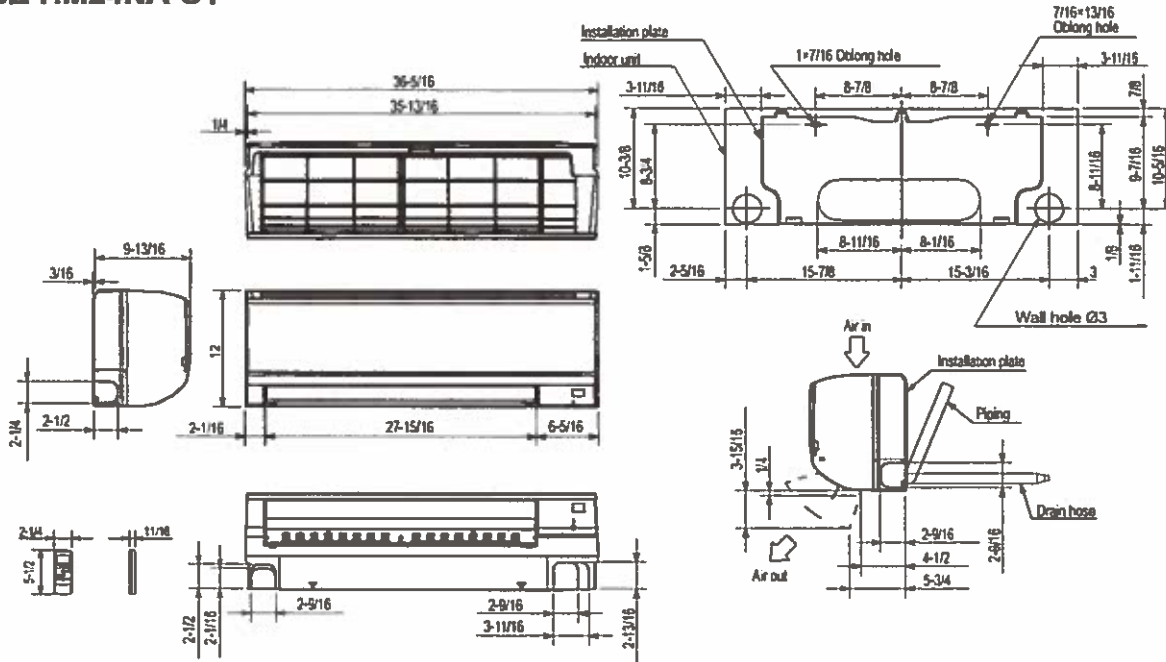
Refrigerant Piping (Flared)

Liquid (High Pressure)	In.(mm)	3/8 (9.52)
Gas (Low Pressure)		5/8 (15.88)
Max. Total Refrigerant Pipe Length (Height Diff.)	Ft. (m)	50 (15)
Max. Total Refrigerant Pipe Length (Length.)		100 (30)

DIMENSIONS: MSZ-HM24NA-U1 & MUZ-HM24NA-U1

MSZ-HM24NA-U1

Unit in. (mm)



MSZ-HM18NA

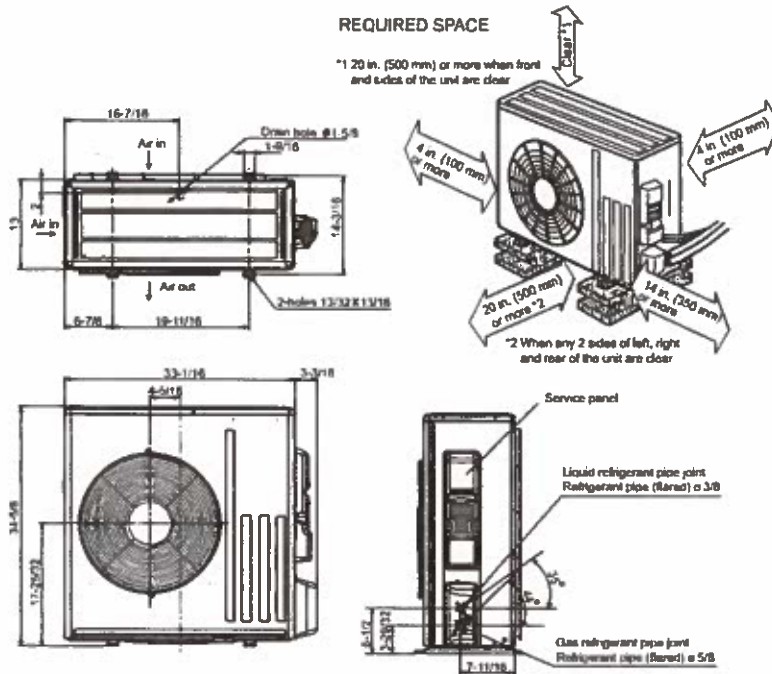
Piping	Insulation	Ø2 O.D
	Liquid line	Ø5/16 15-3/8 (Flared connection Ø1/4)
	Gas line	Ø15/32 13-3/8 (Flared connection Ø1/2)
	Drain hose	Insulation Ø1-1/8 Connected part Ø5/8 O.D

MSZ-HM24NA

Piping	Insulation	Ø2 O.D
	Liquid line	Ø5/16 15-3/8 (Flared connection Ø3/8)
	Gas line	Ø15/32 13-3/8 (Flared connection Ø5/8)
	Drain hose	Insulation Ø1-1/8 Connected part Ø5/8 O.D

MUZ-HM24NA-U1

Unit in. (mm)



**MITSUBISHI
ELECTRIC**

COOLING & HEATING

1340 Satellite Boulevard, Suwanee, GA 30024
Toll Free: 800-433-4822 www.mehvac.com





