CONTENTS, HDC PUBLIC HEARING APPLICATION FOR PROPOSED ADDITION (SHED DORMER) AND REMODEL AT #39 HOLMES CRT., PORTSMOUTH, NH.

***2-Narrative**

***3-Proposed Site Plan, as approved by the BOA, with Location Map.**

***4-Photographs, Existing Conditions.**

***5-Proposed Floor Plans and Window/Door Schedule (Page A2).**

***6-Proposed Elevations and Details (Page A1).**

***7-Mitsubishi Air Source Heat Pump information.**

PROPOSED ADDITION (NEW SHED DORMER) AND REMODEL AT 39 HOLMES CRT., PORTSMOUTH, NH. 8.16.2023.

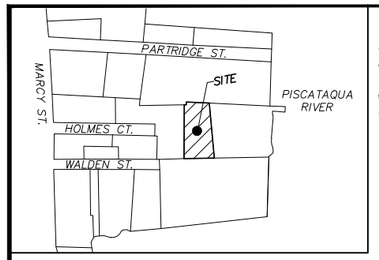
NARRATIVE

City Tax card information suggests that this house dates to 1900 and is essentially in original condition except for the addition of asbestos shingle siding.

It is proposed to add a recessed shed dormer to the existing Attic space. All existing (except small west window to be restored) windows and doors would be replaced with a matching version by Green Mountain Windows. Exterior trim is to be repaired or replaced in kind to match original conditions. The siding is to be removed and Maibec Chatham, pre-dipped shingles would be installed. The existing enclosed Porch and Bay Window would be sided in the manner of “flat panels”, as shown on the Elevations.

The small brick chimney would be removed and replaced with a matching “faux” version (Morin weather struck, cut brick) to accommodate house ventilation.

The existing East side fence would be removed and an Air Source Heat Pump, exterior unit would be installed on the rear east side of the building.



LOCUS
(N.T.S.)

ZONING SUMMARY

ZONE: GENERAL RESIDENCE B (GRB) – SINGLE FAMILY RESIDENCE – EXISTING, PROPOSED TO BE EXPANDED VOLUMETRICALLY *
EXISTING LOT AREA: 2,672 S.F.± (0.06 AC.±)

DIMENSIONAL REQUIREMENTS

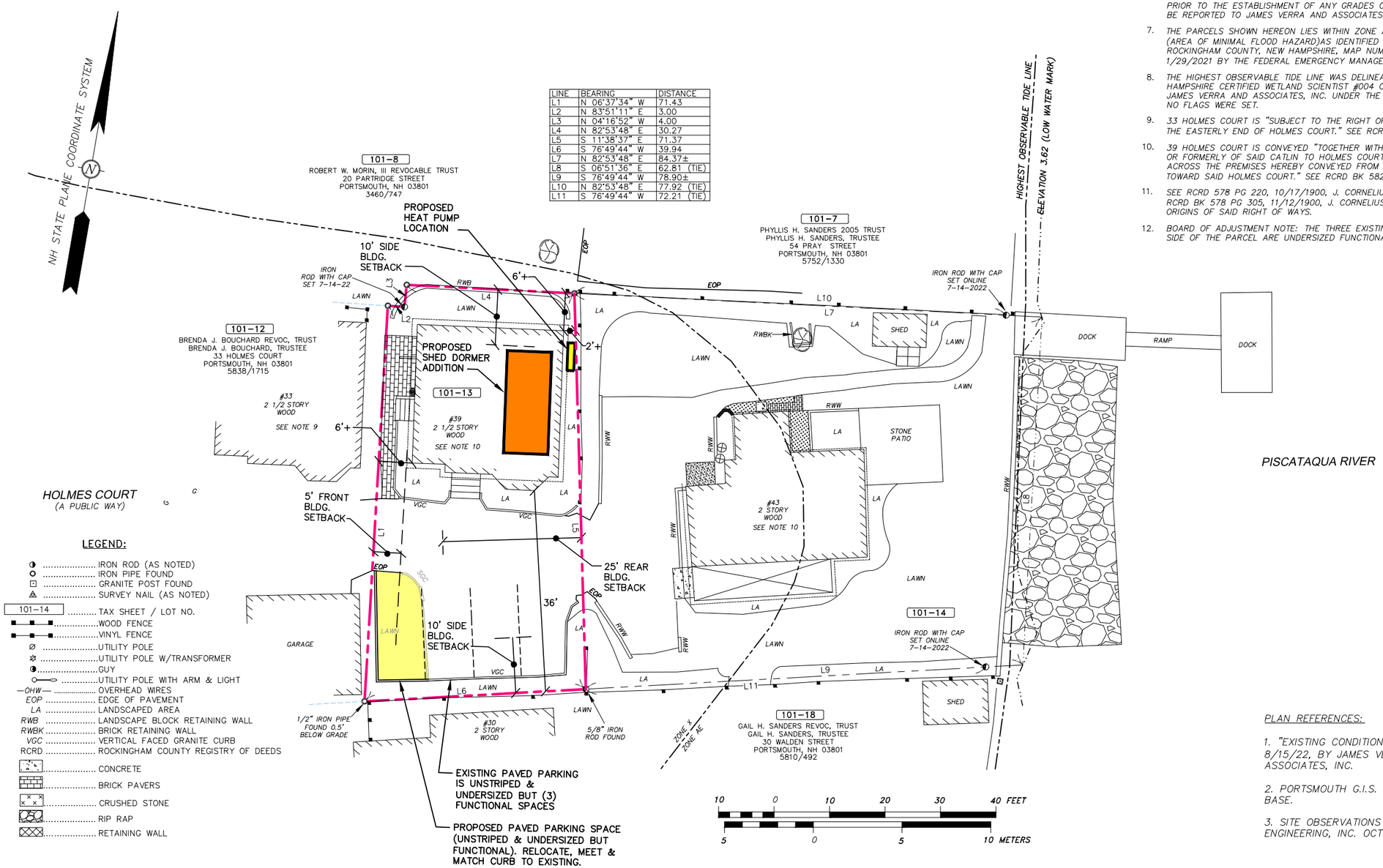
	REQUIRED	EXISTING	PROPOSED
MIN. LOT AREA:	5,000 S.F.	±2,672 S.F.	±2,672 S.F.
MIN. STREET FRONTAGE:	80'	±0' (EX.) (HOLMES)	±0' (EXISTING)(NON–CONFORMING)
DEPTH:	60'	±39'	±39'
FRONT SETBACK:	5'	±6.0' (EX.)	6.0' (EX.)
SIDE SETBACK:	10'	±6.3' (EX.)	±6.3' (EX.)
REAR SETBACK:	25'	±2.1' (EX.)	±2.1' (EX.)/0.2' (PROP. HEAT PUMP) *
MAX. HEIGHT:	35'	(EX.) <32'	<32' (PROP. DORMER) *
MAX. BUILDING COVERAGE:	30%	±28.1% (EX.)(±750 SF)	±28.1% (±750 S.F.)
MIN. OPEN SPACE:	25%	±28.4% (±760 SF)	±22.1% (±590 SF) *

* ZONING RELIEF REQUIRED

NOTES:

1. OWNER OF RECORD.....STEPHEN A. & KATHYRN L. SINGLAIR
   ADDRESS.....21 ELLIOT STREET, EXETER, NH 03833
   DEED REFERENCE.....6393/1441
   TAX SHEET / LOT.....101–13
   PARCEL AREA.....2,672 S.F.
2. ZONED:.....WATERFRONT BUSINESS — FRONT YARD SETBACK.....5'
   MINIMUM LOT AREA..20,000 S.F. — SIDE YARD SETBACK.....10'
   FRONTAGE.....100' — REAR YARD SETBACK.....25'
3. THE RELATIVE ERROR OF CLOSURE WAS LESS THAN 1 FOOT IN 15,000 FEET.
4. THE LOCATION OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASED UPON THE FIELD LOCATION OF ALL VISIBLE STRUCTURES (IE CATCH BASINS, MANHOLES, WATER GATES ETC.) AND INFORMATION COMPILED FROM PLANS PROVIDED BY UTILITY COMPANIES AND GOVERNMENTAL AGENCIES. ALL CONTRACTORS SHOULD NOTIFY, IN WRITING, SAID AGENCIES PRIOR TO ANY EXCAVATION WORK AND CALL DIG–SAFE @ 1–888–DIG–SAFE.
5. HORIZONTAL DATUM: NAD 1983 ESTABLISHED BY SURVEY GRADE GPS OBSERVATION AND NGS "OPUS" SOLUTION. REFERENCE FRAME: NAD83 (2011)(EPOCH: 2010.0000), US SURVEY FOOT.
   VERTICAL DATUM: NAVD 1988. PRIMARY BENCHMARK: CITY OF PORTSMOUTH "ROBE".
6. CONTRACTOR TO VERIFY SITE BENCHMARKS BY LEVELING BETWEEN 2 BENCHMARKS PRIOR TO THE ESTABLISHMENT OF ANY GRADES OR ELEVATIONS. DISCREPANCIES ARE TO BE REPORTED TO JAMES VERRA AND ASSOCIATES, INC..
7. THE PARCELS SHOWN HEREON LIES WITHIN ZONE AE (ELEVATION 8) & ZONE X (AREA OF MINIMAL FLOOD HAZARD)AS IDENTIFIED ON FLOOD INSURANCE RATE MAP, ROCKINGHAM COUNTY, NEW HAMPSHIRE, MAP NUMBER 33015C0278F, EFFECTIVE DATE 1/29/2021 BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY.
8. THE HIGHEST OBSERVABLE TIDE LINE WAS DELINEATED BY MICHAEL CUOMO, NEW HAMPSHIRE CERTIFIED WETLAND SCIENTIST #004 ON MAY 20, 2022 & RECORDED BY JAMES VERRA AND ASSOCIATES, INC. UNDER THE DIRECTION OF MICHAEL CUOMO. NO FLAGS WERE SET.
9. 33 HOLMES COURT IS "SUBJECT TO THE RIGHT OF WAY ACROSS SAID PREMISES FROM THE EASTERLY END OF HOLMES COURT." SEE RCRD BK 5838 PG 1715.
10. 39 HOLMES COURT IS CONVEYED "TOGETHER WITH A RIGHT OF WAY ACROSS LAND NOW OR FORMERLY OF SAID CATLIN TO HOLMES COURT AND SUBJECT TO THE RIGHT OF WAY ACROSS THE PREMISES HEREBY CONVEYED FROM LAND NOW OR FORMERLY OF DOWNS TOWARD SAID HOLMES COURT." SEE RCRD BK 5829 PG 1412.
11. SEE RCRD 578 PG 220, 10/17/1900, J. CORNELIUS COAKLEY TO JAMES FAY AND RCRD BK 578 PG 305, 11/12/1900, J. CORNELIUS COAKLEY TO MARGARET FOX FOR THE ORIGINS OF SAID RIGHT OF WAYS.
12. BOARD OF ADJUSTMENT NOTE: THE THREE EXISTING PARKING SPACES AT THE SOUTH SIDE OF THE PARCEL ARE UNDERSIZED FUNCTIONAL SPACES.

LINE	BEARING	DISTANCE
L1	N 06°37'34" W	71.43
L2	N 83°51'11" E	3.00
L3	N 04°16'52" W	4.00
L4	N 82°53'48" E	30.27
L5	S 11°38'37" E	71.37
L6	S 76°49'44" W	39.94
L7	N 82°53'48" E	84.37±
L8	S 06°51'36" E	62.81 (TIE)
L9	S 76°49'44" W	78.90±
L10	N 82°53'48" E	77.92 (TIE)
L11	S 76°49'44" W	72.21 (TIE)



LEGEND:

- IRON ROD (AS NOTED)
- IRON PIPE FOUND
- GRANITE POST FOUND
- SURVEY NAIL (AS NOTED)
- 101–14 ..... TAX SHEET / LOT NO.
- WOOD FENCE
- VINYL FENCE
- UTILITY POLE
- UTILITY POLE W/TRANSFORMER
- GUY
- UTILITY POLE WITH ARM & LIGHT
- OHW ..... OVERHEAD WIRES
- EOP ..... EDGE OF PAVEMENT
- LA ..... LANDSCAPED AREA
- RWB ..... LANDSCAPE BLOCK RETAINING WALL
- RWBK ..... BRICK RETAINING WALL
- VGC ..... VERTICAL FACED GRANITE CURB
- RCRD ..... ROCKINGHAM COUNTY REGISTRY OF DEEDS
- CONCRETE
- BRICK PAVERS
- CRUSHED STONE
- RIP RAP
- RETAINING WALL

PLAN REFERENCES:

1. "EXISTING CONDITIONS PLAN" DATED 8/15/22, BY JAMES VERRA AND ASSOCIATES, INC.
2. PORTSMOUTH G.I.S. (MAPGEO) DATA BASE.
3. SITE OBSERVATIONS BY ALTUS ENGINEERING, INC. OCTOBER 2022.

ENGINEER:
ALTUS ENGINEERING, INC.
133 COURT STREET PORTSMOUTH, NH 03801
(603) 433–2335 www.ALTUS–ENG.com

ISSUED FOR: BOARD OF ADJUSTMENT

ISSUE DATE: NOVEMBER 18, 2022

REVISIONS

NO.	DESCRIPTION	BY	DATE
0	INITIAL SUBMISSION	EBS	11/18/22

DRAWN BY: RLH
APPROVED BY: EBS
DRAWING FILE: 5328–BOA.DWG

SCALE:
22" x 34" – 1" = 10'
11" x 17" – 1" = 20'

OWNER/APPLICANT:
STEPHEN A. & KATHRYN L. SINGLAR
21 ELLIOT STREET
EXETER, NH 03833

PROJECT:
PROPOSED SITE DEVELOPMENT PLANS
#39 HOLMES COURT
PORTSMOUTH, NH
ASSESSOR'S PARCEL MAP 101–LOT 13

TITLE:
BOARD OF ADJUSTMENT SITE PLAN

SHEET NUMBER:
1 OF 1

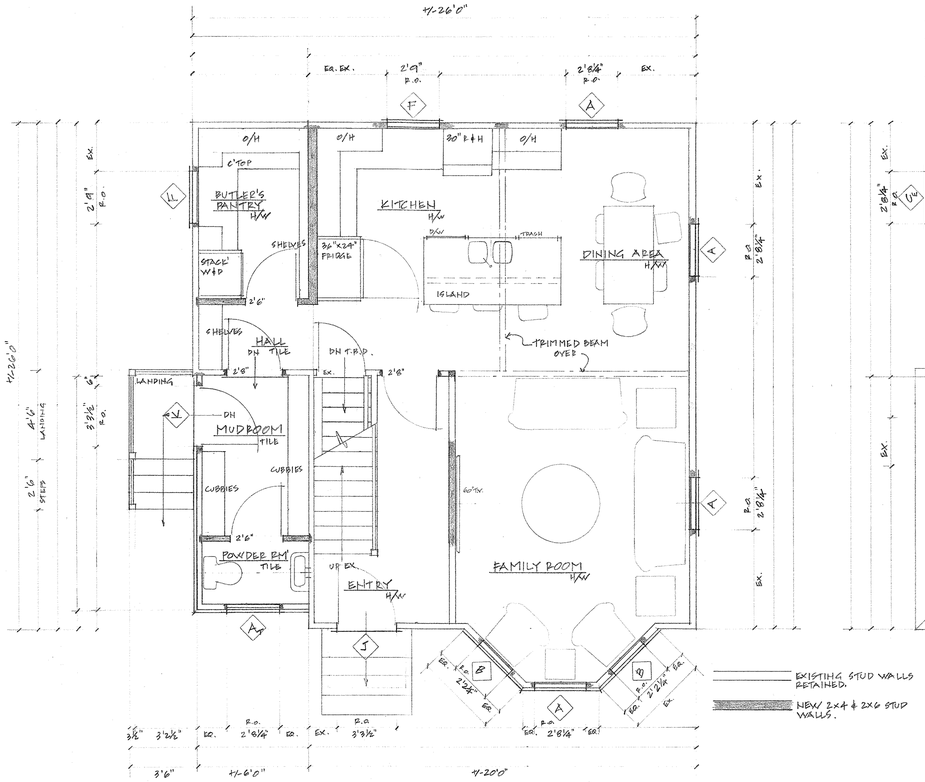
P5328

#39 Holmes Court, Portsmouth, NH

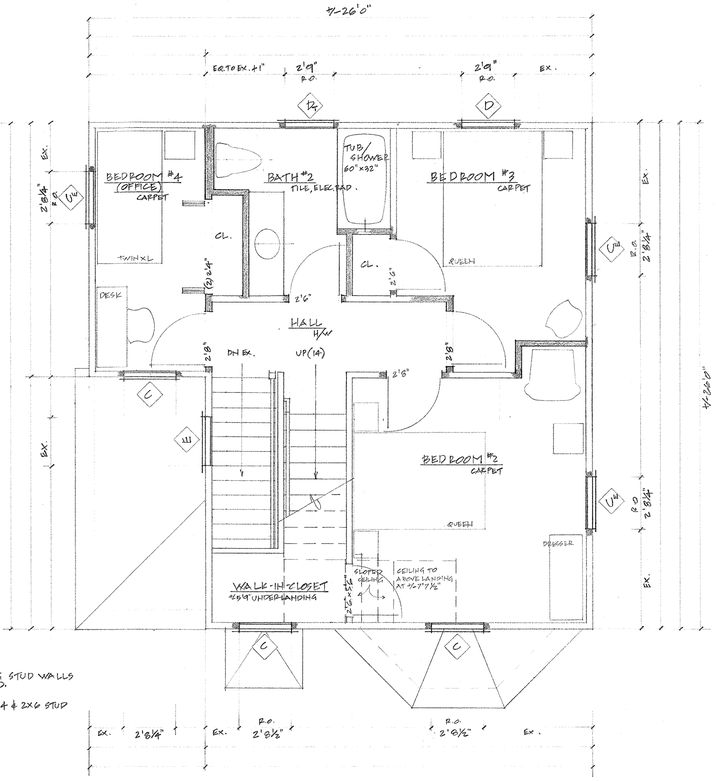
South east corner

South west corner

East wall



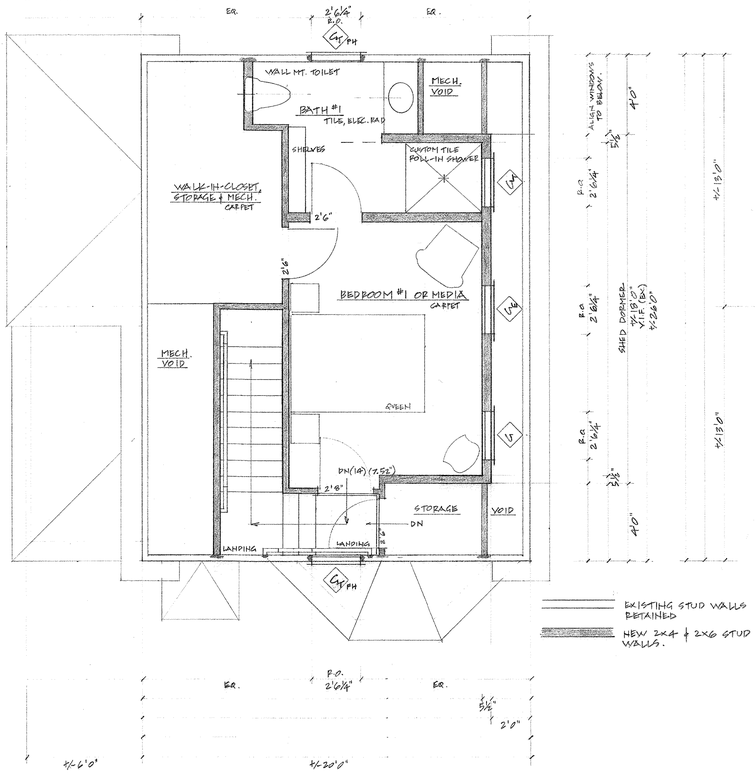
PROPOSED 1ST FLOOR PLAN



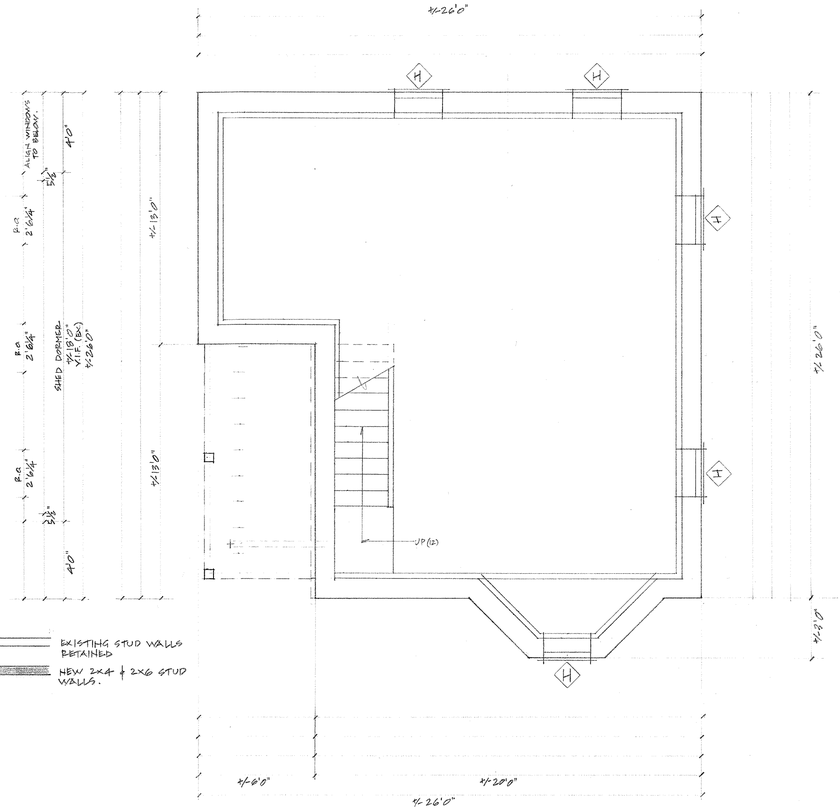
PROPOSED 2ND FLOOR PLAN

EXISTING STUD WALLS RETAINED.

NEW 2X4 & 2X6 STUD WALLS.



PROPOSED ATTIC PLAN



PROPOSED BASEMENT PLAN

EXISTING STUD WALLS RETAINED

NEW 2X4 & 2X6 STUD WALLS.

EXTERIOR DOOR & WINDOW SCHEDULE					39 HOLMES CRT., PORTSMOUTH, NH (HDC)		
NO.	R.O. (W×H)	HEADER HT.	LITE PATTERN	SCREEN MT. TILE/STONE	NOTES:	SAMB SIZE	QTY
A	2'6¼" x 5'1⅜"	7'0"	2/2	MDH 2626	DOUBLE HUNG WITH ½ SCREENS	4 9/16	3
A_T	*2'8¼" x 5'1⅜"	"	2/2	MDH 2626	D/H W/ ½ SCREENS, NO CASINGS (PANELLED WALL). TEMP.	"	1
B	*2'2¼" x 5'1⅜"	"	2/2	MDH 2026	DOUBLE HUNG WITH ½ SCREENS (BAY WINDOW, EXT. SILL'S)	"	2
C	2'8¼" x 4'9⅜"	7'0"	2/2	MDH 2624	" " " "	"	3
C_E	"	"	"	MDH 2624 EGRESS STYLE	DOUBLE HUNG STYLE EGRESS WINDOWS	"	3
D	2'9" x 2'5¼"	"	2x1	MAW 3228	AWNING	"	1
D_T	"	"	2x1	MAW 3228	AWNING, TEMPERED GLASS	"	1
E	EXISTING		-	-	RESTORE EXISTING. ADD INT. GLASS PANEL W/ GASKETS.	"	1
F	2'9" x 2'9¼"	"	2x1	MAW 3232	AWNING	"	2
G	2'6¼" x 3'9⅜"	4'0¼" AB HDR	2/2	MDH 2418	DOUBLE HUNG WITH ½ SCREENS	"	1
G_T	"	"	"	"	" " " " , TEMPERED.	"	1
G_{TFH}	"	MATCH EX.	"	"	" " " " , TEMP. FIXED LOWER SASH (WALL HAZARD)	"	2
G_E	"	4'2¼" ABOVE FINISH FLOOR	"	MDH 2418 EGRESS STYLE	DOUBLE HUNG STYLE EGRESS WINDOW.	"	1
H	EXISTING	EX.	3x1		RESTORE OR REPLACE IN KIND TO MATCH.	"	5
A_{EXT}	*2'6¼" x 5'1⅜"	7'0"	2/2	MDH 2626	D/H W/ ½ SCREEN & EXTENDED SILL HORNS	"	2
J	3'3½" x 6'11"	EX.	1	GM2PS3068 XP	REPLACE EXISTING AS SHOWN.	6 9/16	1
K	3'3½" x 6'11"	6'11"	1	GM2PS3068 XP	MUD ROOM, SIDE DOOR, WITH SCREEN	6 9/16	1

EXTERIOR: WHITE. INTERIOR: WHITE. GRILLS: 5DL W/ SPACER BAR, 5/8". HARDWARE: OIL RUBBED BRO.
SCREENS: HIGH TRANSPARENCY, ½ SCREENS TO DOUBLE HUNGS. SILLS: 8/4, TYPE 'E' WITH 6" HORNS.
CASINGS: 3/4 x 6 WITH BACK BAND, UNLESS NOTED. STAINLESS STEEL OPERATING HARDWARE.
*POWDER ROOM & BAY WINDOWS NEED TO HAVE EXTENDED SILL HORNS TO BE TRIMMED (CUT) ON SITE.
GMW WILL ALSO NEED TO PROVIDE A 9" LENGTH OF SILL FOR WEST ELEVATION PANELS.

INSULATION SCHEDULE:

INSULATION INSTALLATION IS TO MEET, OR EXCEED, THAT DESCRIBED IN THE 2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC 2018) AS DEFINED FOR ZONE 5A.

USE "VALUE ENGINEERING" FRAMING TECHNIQUES WHERE POSSIBLE TO ENSURE ACCESSIBILTY FOR SPRAYFOAM APPLICATION.

NOTE 2" RIGID FOAM AS HEADER SHIMS OR ¾" TO 'LVL' HEADERS. FILL ANY VOIDS IN FRAMING THAT OCCUR WITH RIGID FOAM TO ELIMINATE ANY AIRSPACE.
SEE SECTIONS FOR GRAPHICAL DISCRIPTION.

SPRAY FOAM; R21 CLOSED CELL, POLYURETHANE SPRAYFOAM, RATED TO 6.8R/INCH MINIMUM. ALLOW 21 DAYS BEFORE COVERING WITH SHEETROCK TO MONITOR SHRINKAGE.

EXTERIOR NEW WALLS, OR INTERIOR WALL LINING OPENING MAKES POSSIBLE; R21 CLOSED CELL.

EXTERIOR, EXISTING WALLS; BLOWN IN CELLULOSE (OR SIMILAR) VIA HOLES IN EXTERIOR SHEATHING (ACCESS DURING SIDING REPLACEMENT). COMPLETELY FILL ALL CAVITIES.

ROOF; R42, NOTE THE ATTIC MECHANICAL AREA WILL NEED TO HAVE SPRAY FOAM COVERED BY FLAME RESISTANT COATING, OR SHEETROCK.

RIMJOISTS; R21, MINIMUM, ENSURE COVERAGE AND CONNECTION TO TOP OF FOUNDATION WALLS.

ENCLOSED PORCH FLOOR (MUDROOM); R30 SPRAY FOAM TO DURAROCK (OR SIMILAR) FASTENED TO BOTTOM OF FLOOR JOISTS. ENSURE INSULATION PROTECTION TO DRAIN AND SUPPLY OF POWDER ROOM FIXTURES IN CHASE TO BASEMENT PENETRATION.

BASEMENT STAIR FOUNDATION WALL; R10 RIGID TO +/-4'-0" BELOW GRADE (UNDER MUDROOM PORCH STRUCTURE.

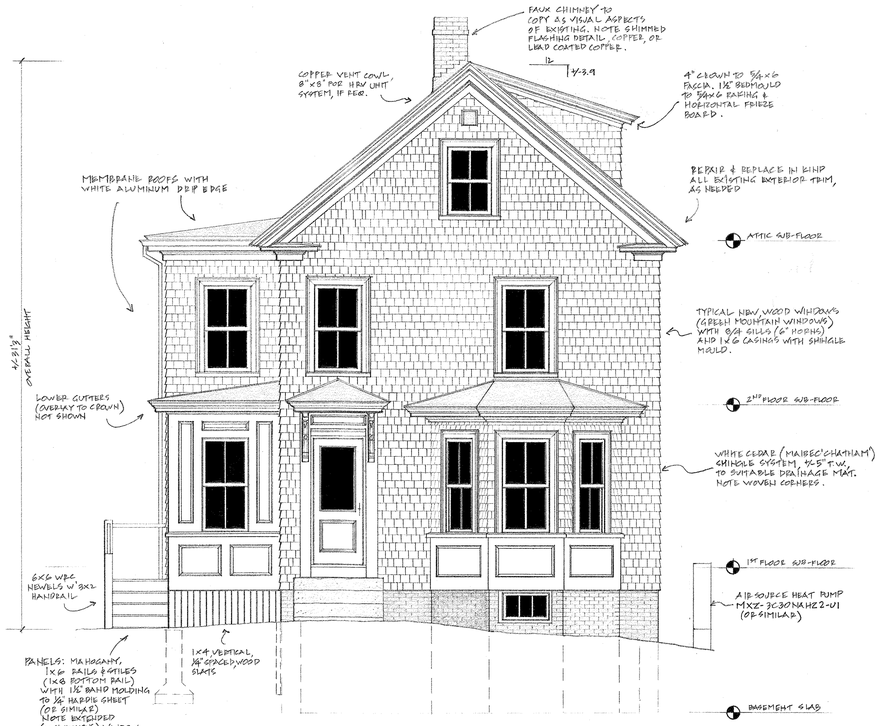
BASEMENT FOUNDATION WALLS; R21 SPRAYFOAM COVERED BY SHEETROCK. STUD ARRANGEMENT TBD.
WINDOWS AND DOORS; LOW EXPANSION FOAM TO ALL OPENINGS, ENSURE COMPLETE FILL (4 9/16"), WITHOUT EFFECTING WINDOW/DOOR OPERATION.

INTERIOR; R11 AND R19 ROXUL (OR SIMILAR, OR BETTER) TO ALL NEW INTERIOR WALLS FOR SOUND. USE TO SUIT 2X4 AND 2X6 WALL THICKNESS. REVIEW THE USE OF BLOWN IN CELLULOSE (HOLES IN JOIST BAYS FROM ABOVE) IN EXISTING FLOOR SYSTEMS FOR SOUND INSULATION.

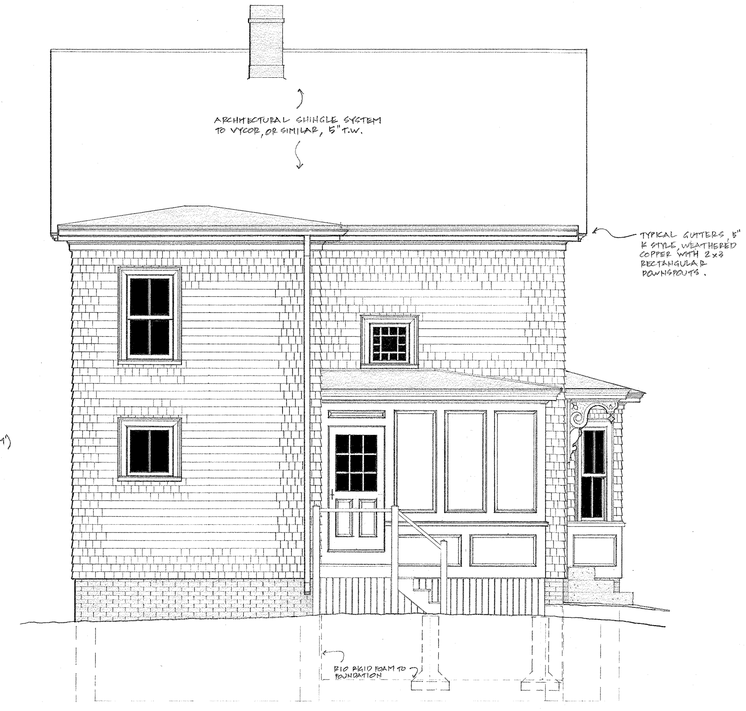
Brendan McNamara
RESIDENTIAL ARCHITECTURE
603 682 1105 brenmcnamara@comcast.net

TITLE: PROPOSED FLOOR PLANS, DOOR & WINDOW SCHEDULE, & INSULATION SCHEDULE.
SCALE: 1/4"=1'0"
DATE: 4.26.2023
REVISIONS: 8.16.2023

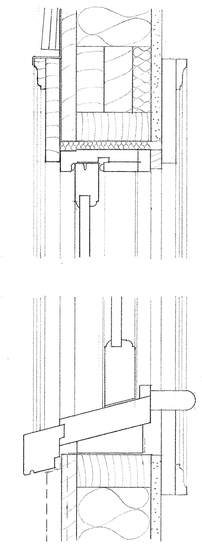
REMODEL & DORMER ADDITION
at 39 HOLMES COURT,
PORTSMOUTH, NH.



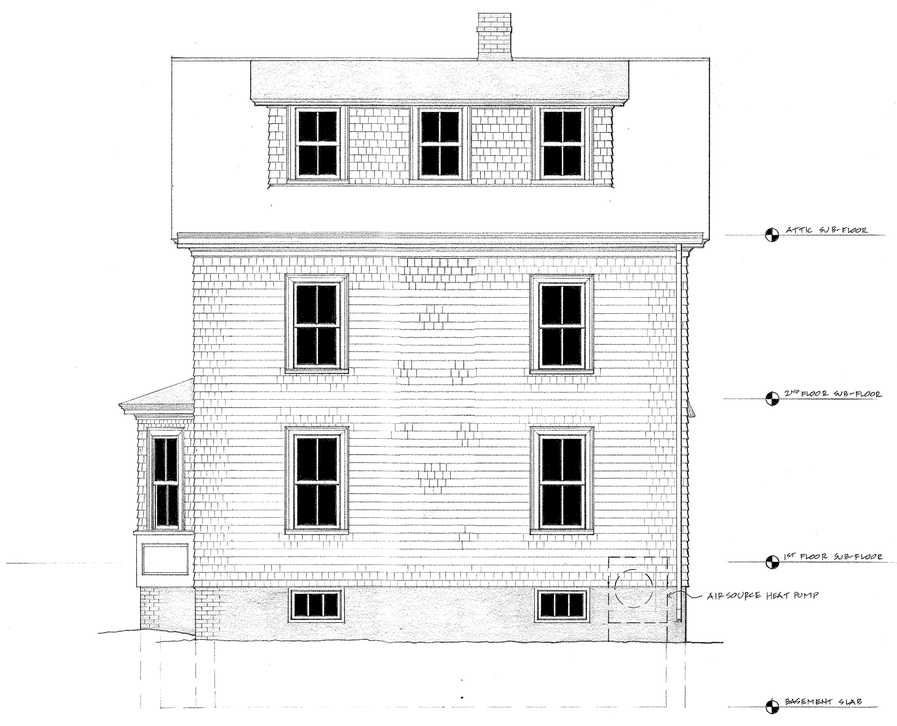
PROPOSED SOUTH ELEVATION



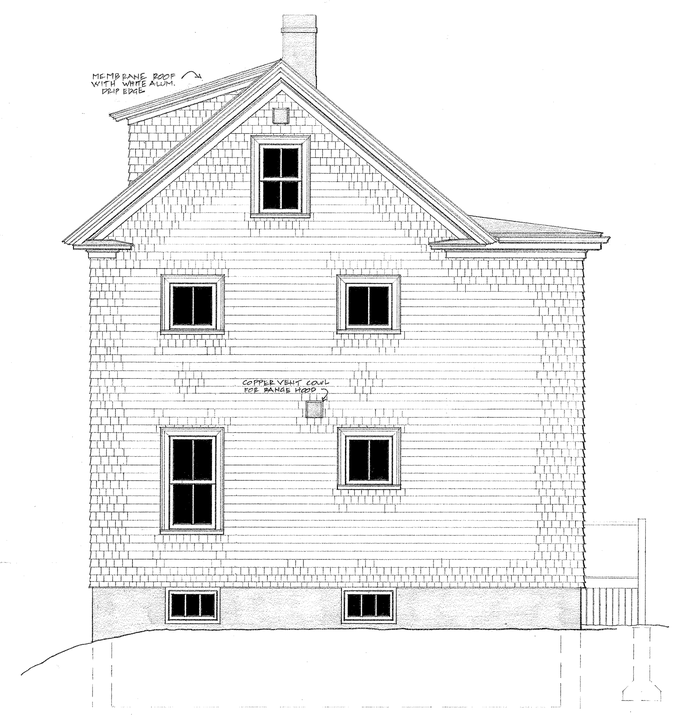
PROPOSED WEST ELEVATION



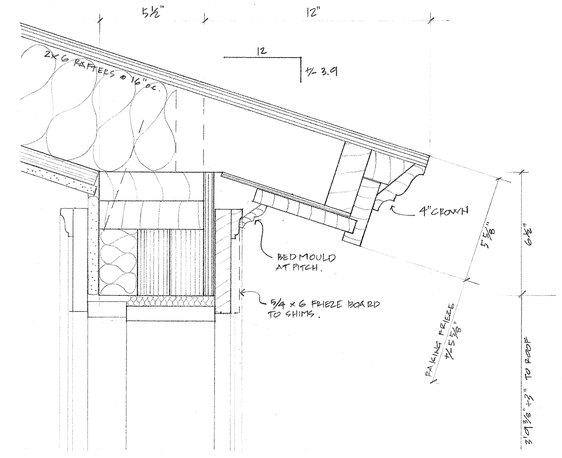
1 WINDOW SECTION
3"=1'0"



PROPOSED EAST ELEVATION



PROPOSED NORTH ELEVATION



2 SECTION, SHED DORMER SOFFIT
3"=1'0"

Brendan McNamara
RESIDENTIAL ARCHITECTURE
603 682 1105 brennmcnamara@comcast.net

TITLE: PROPOSED ELEVATIONS + WINDOW SECTIONS
SCALE: ¼" + 3"=1'0"
DATE: 4.26.2023
REVISIONS: 8.16.2023

REMODEL + DORMER ADDITION
at 39 HOLMES COURT,
PORTSMOUTH, NH.

MITSUBISHI ELECTRIC
Changes for the Better

M-SERIES

SUBMITTAL DATA: MXZ-3C30NAHZ2-U1

MULTI-INDOOR INVERTER HEAT-PUMP SYSTEM

Job Name:	Location:	Date:
Purchaser:	Engineer:	
Submitted to:	For ☐Reference ☐Approval ☐Construction	
System Designation:	Schedule No.:	

GENERAL FEATURES

- Highly energy-efficient system that features 100% heating capacity at 5°F (-15°C) with guaranteed capacity down to -13°F (-25°C)
- Quiet operation
- Built-in base pan heater to prevent ice in drain pan

ACCESSORIES

- ☐ 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-493PI)
- ☐ 3/8" x 5/8" Port Adapter (PAC-SG76RJ-E)
- ☐ M-NET Adapter (PAC-IF01MNT-E)
- ☐ Windscreens (*1)

Note: Mitsubishi Electric (MESCA) supports the use of only MESCA supplied and approved Snow Guard / Wind Deflectors / Windscreens and accessories for proper functioning of the unit(s). Use of non-MESCA supported Snow Guard / Wind Deflectors / Windscreens and accessories will affect warranty coverage.

Specifications			Model Name
Unit Type			MXZ-3C30NAHZ
Cooling* Non-ducted / Ducted (*2)	Rated Capacity (Max. Capacity)	Btu/h	28,900 / - (28,400 / 27,400)
	Capacity Range	Btu/h	6,000 - 28,400
	Rated Total Input	W	2,272 / 2,661
Heating at 47°F* (8.3°C*) Non-ducted / Ducted (*2)	Rated Capacity (Max. Capacity)	Btu/h	27,445 / - (28,600 / 27,600)
	Capacity Range	Btu/h	7,200 - 36,000
	Rated Total Input	W	2,096 / 2,187
Heating at 17°F* (-8.3°C*) Non-ducted / Ducted (*2)	Rated Capacity	Btu/h	24,453 / -
	Maximum Capacity	Btu/h	28,600 / 27,600
	Rated Total Input	W	1,991 / 1,993
Heating at 5°F* (-15°C*) (*2)	Rated Capacity (Max. Capacity)	Btu/h	24,453 / - (28,600 / -)
Electrical Requirements	Power Supply	Voltage, Phase, Hertz	208 / 230V, 1-Phase, 60 Hz
	Recommended Fuse/Breaker Size	A	40
	MCA	A	30
Voltage	Indoor - Outdoor S1-S2	V	AC 208 / 230
	Indoor - Outdoor S2-S3	V	+12VDC to +24VDC
Compressor			DC INVERTER-driven Twin Rotary
Fan Motor (ECM)		F.L.A.	1.9
Sound Pressure Level	Cooling	dB(A)	54
	Heating		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	189 / 86
External Finish			Munsell No. 3Y 7.8/11
Refrigerant Pipe Size O.D. — Three Ports	Liquid	In / mm	1/4 / 6.35
	Gas		A:1/2 / 12.7 ; B,C: 3/8 / 9.52
Max. Refrigerant Line Length (A+B+C)		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		49 / 15
Connection Method	Indooor / Outdoor		Flared/Flared
Refrigerant			R410A

*** All electrical work shall comply with National (CEC) and local codes and regulations.**

*** Rating Conditions per AHRI Standard:**

Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB
Cooling | Outdoor: 95° F (35° C) DB / W.B. 23.9° C (75° F)

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 / 15° F (-9° C) WB

Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.

*1 Required in windy locations or areas that experience low temperatures.
*2 Non-ducted (09+09+12) / Ducted (09+09+12) combinations.
Specifications are subject to change without notice.

R-410A OZONE-FRIENDLY REFRIGERANT
MITSUBISHI ELECTRIC thinks green

© 2016 Mitsubishi Electric Sales Canada Inc.

Operating Range:

	Outdoor
Cooling	D.B. 23 to 115° F [D.B. −5 to 46° C]*1
Heating	D.B. -13 to 70° F [D.B. −25 to 21° C]

*1. D.B. 5 to 115° F [D.B. −15 to 46° C],
when an optional Air Outlet Guide is installed.

Energy Efficiencies:

Indoor Unit Type	SEER	EER	HSPF (IV)	COP @ 47°F	COP @ 17°F
Non-ducted (*2)	18.0	12.5	11.0	4.00	NA
Ducted and Non-ducted	NA	NA	NA	NA	NA
Ducted (*2)	16.0	10.3	9.8	3.70	NA

Multi-zone Indoor/Outdoor Combination Table

- MXZ Compatibility Chart – available on MESCA Tech Info Centre M-Series submittal page

*** Refer to indoor unit submittal.**

Notes:
- Minimum of two Indoor Units must be connected to the MXZ-3C30NAHZ.
- Minimum installed capacity cannot be less than 12,000 Btu/h.
- System can operate with only one Indoor Unit turned on.
- May connect to any style indoor unit or combination.
- Information provided at 208/230V.
  Refer to the MXZ-C Technical & Service Manual for detailed specifications and additional information per Indoor Unit Combination.

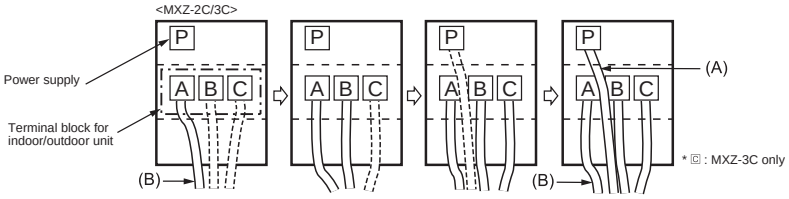
SVZ CONNECTION RULES:
- Only 1 SVZ may be used on any system.
- When an SVZ is connected, total connected capacity must be less than 100%.
- When an SVZ is connected, no P-Series indoor units can be used (PCA, PLA, or PEAD).

Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.

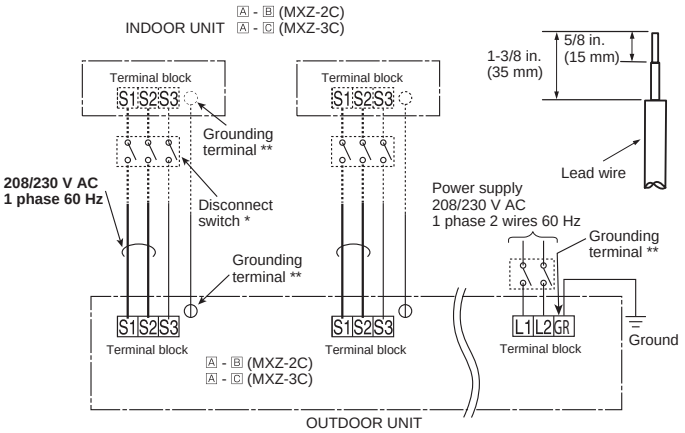
Indoor - Outdoor Connection:

Connecting order
- Connect the terminal block in following order.

MXZ-2C	A→B→P
MXZ-3C	A→B→C→P



Remark:
* A disconnect switch should be required. Check the local code.
** Use a ring tongue terminal in order to connect a ground wire to terminal.



- **Connect wires to the matching numbers of terminals.**
- **Be sure to attach each screw to its correspondent terminal when securing the cord and/or the wire to the terminal block.**

CONNECTING WIRES AND CONNECTING GROUND WIRE
- Use solid conductor Min. AWG14 or stranded conductor Min. AWG14.
- Use double insulated copper wire with 600 V insulation.
- Use copper conductors only.
- **Follow local electrical code.**

POWER SUPPLY CABLE
- Use solid or stranded conductor Min. AWG8.
- Use copper conductors only.
- **Follow local electrical code.**

GROUND WIRE
- Use solid or stranded conductor Min. AWG8.
- Use copper conductors only.
- **Follow local electrical code.**

⚠ **WARNING:**
- **Use the indoor/outdoor unit connecting wire that meets the Standards to connect the indoor and outdoor units and fix the wire to the terminal block securely so that no external force is conveyed to the connecting section of the terminal block. An incomplete connection or fixing of the wire could result in a fire.**

For future servicing, give extra length to the connecting wires.

- **Turn on the main power when the ambient temperature is -4°F (-20°C) or higher.**
- **Under conditions of -4°F (-20°C), it needs at least 4hr stand by before the units operate in order to warm the electrical parts.**

Notes:

Specifications are subject to change without notice.

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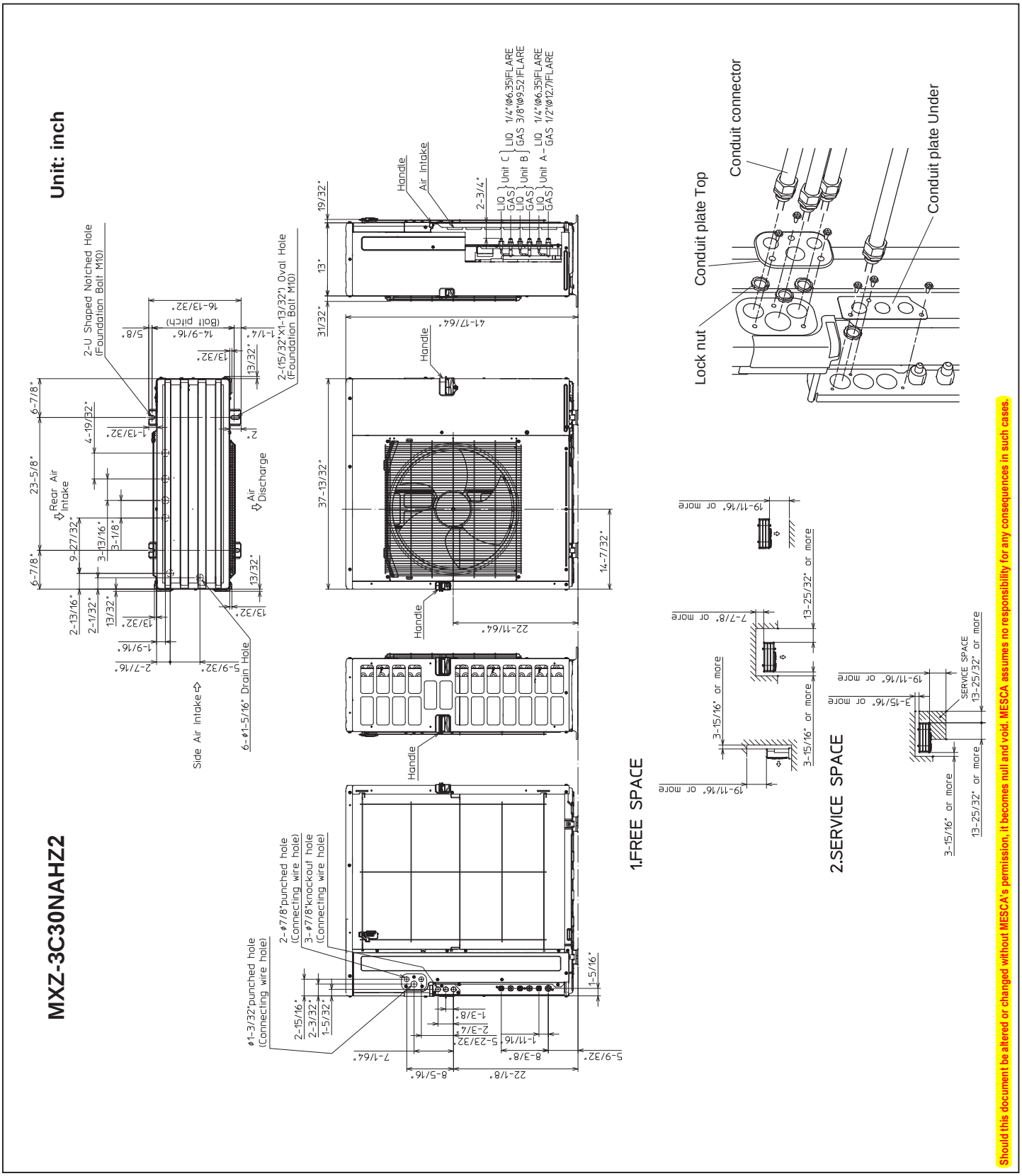
DIMENSIONS: MXZ-3C30NAHZ2-U1



AHRI CERTIFIED™ www.ahridirectory.org Unitary Small HP AHRI Standard 210/240 Certification applies only when the complete system is listed with AHRI.

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for a greener tomorrow eco Changes

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