

NORTH ( building )

# Shepherdstown Opera House RENOVATIONS

131 W. German St.  
Shepherdstown  
West Virginia

Owner

## 131 West German Street, LLC

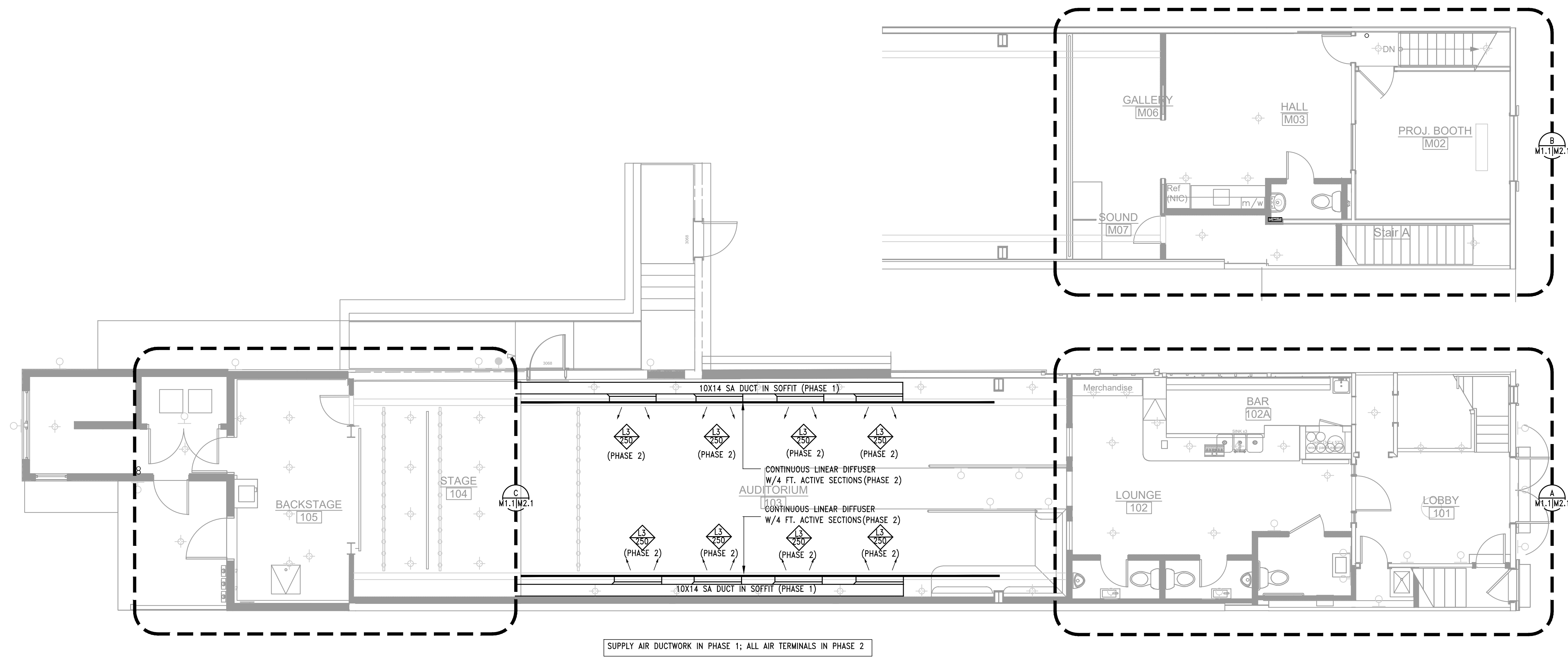
Mech/Elect Engineer

FHC Engineering, PC  
4 Weems Lane #277  
Winchester, VA 22601  
540 247-2939

Structural Engineer

Ruckman Engineering, PLC  
22-B Ricketts Drive  
Winchester, VA 22601

**GDA** Architecture Planning Interiors Landscape  
Grove & Dall'Olio Architects PLLC  
Matthew W. Grove matthew@gdaaia.com • GDAaia.com  
325 Migration Lane Gerardsville, WV 25420 304-267-2120  
18 West Boscawen Street Winchester, VA 22601 540-773-2328

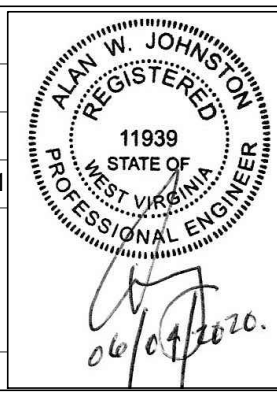


SUPPLY AIR DUCTWORK IN PHASE 1; ALL AIR TERMINALS IN PHASE 2

### MAIN LEVEL AND MEZZANINE FLOOR PLANS

SCALE: 3/16" = 1'-0"

Issue/Revision	Seal
REVISION #1	10.23.20
FOR CONSTRUCTION	10.23.20
REDESIGN REVISIONS	02.23.21
FOR CONSTRUCTION	10.23.20



## MAIN LEVEL AND MEZZANINE FLOOR PLANS

Date: OCTOBER 23, 2020  
Scale: As Noted  
Project Number: 19820  
Drawing Number:

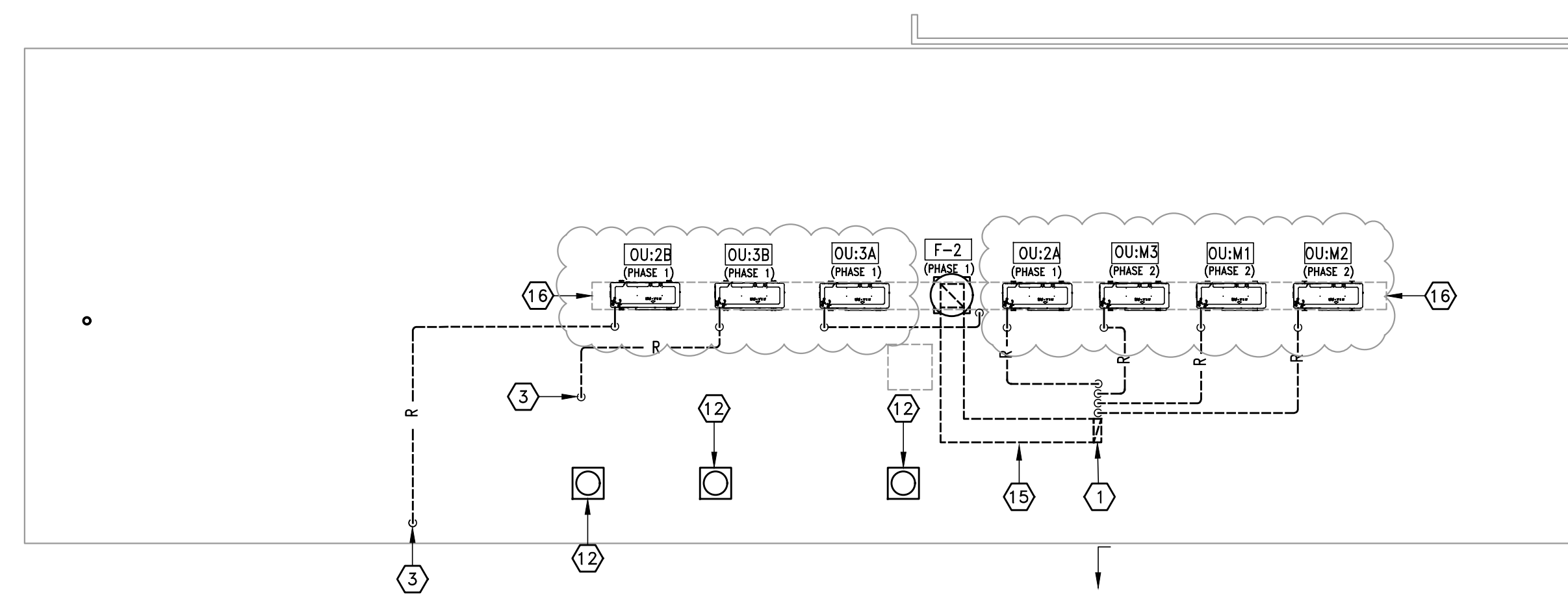
# M1.1

KEYED SHEET NOTES

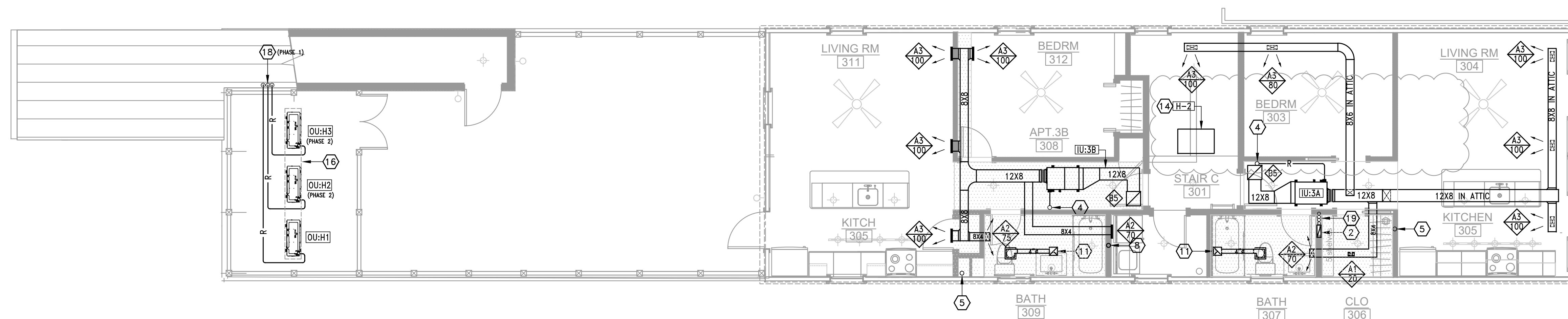
1. 12"x4" TOILET EXHAUST DUCT DOWN.
2. 12"x4" UP TO ATTIC AND DOWN TO 2ND FLOOR.
3. REFRIGERANT LINES DOWN THROUGH ATTIC FLOOR
4. REFRIGERANT LINES UP TO ATTIC SPACE
5. REFRIGERANT LINES UP TO TO ATTIC AND DOWN TO 2ND FLOOR
6. REFRIGERANT LINES UP TO 3RD FLOOR
7. REFRIGERANT LINES IN ATTIC (TYPICAL)
8. 4" DRYER VENT UP THROUGH ROOF TO ROOF CAP.
9. NOT USED.
10. NOT USED
11. 8"x8" TOILET EXHAUST DUCT UP TO ROOF CAP.
12. EXHAUST ROOF CAP - PENN VENTILATOR MODEL WCC06 MOUNTED ON COMPATIBLE 12" HIGH ROOF CURB (TYPICAL OF 3).
13. 14"x4" TOILET EXHAUST DUCT UP AND DOWN.
14. LOCATED IN ATTIC
15. 12"x4" TOILET EXHAUST DUCT IN ATTIC
16. MOUNT CONDENSING UNITS ON FIELD FABRICATED RACK (FABRICATED FROM STEEL ANGLES OR TREATED WOOD - CONTRACTOR TO SUBMIT RACK DETAILS AS A SUBMITTAL FOR REVIEW BY AE TEAM.
17. THREE SETS OF REFRIGERANT LINES UP AND DOWN - REFER TO M3.1 FOR SIZING.
18. THREES SETS OF REFRIGERANT LINES DOWN - REFER TO M3.1 FOR SIZING.
19. REFRIGERANT PIPE RISERS DOWN - FOR IU:M1/OU:M1 & IU:M2/OU:M2 IN PHASE 1.

PHASING NOTES

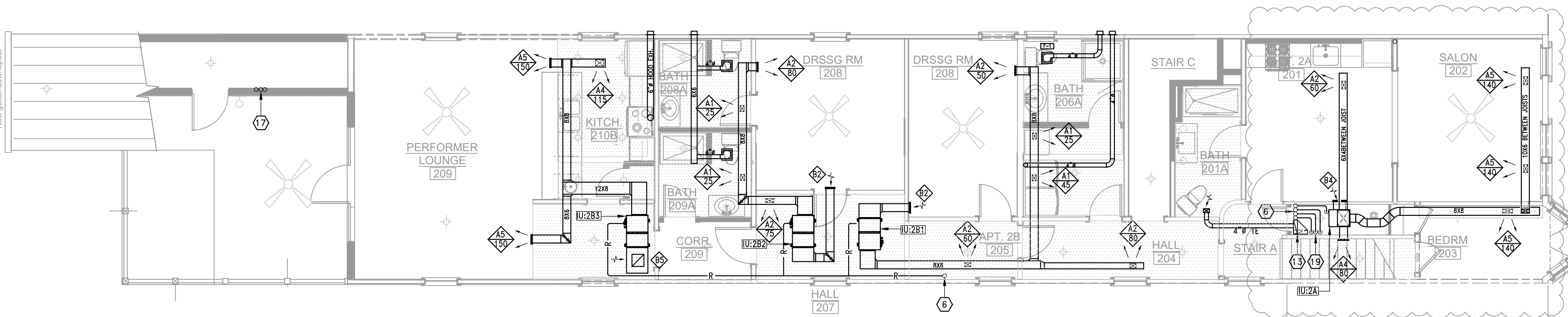
1. OU:M1 IN PHASE 2; REFRIGERANT PIPE RISER IN PHASE 1.
2. OU:M2 IN PHASE 2; REFRIGERANT PIPE RISER IN PHASE 1.
3. OU:H2 IN PHASE 2; REFRIGERANT PIPE RISER IN PHASE 1.
4. OU:H3 IN PHASE 2; REFRIGERANT PIPE RISER IN PHASE 1.



ROOF PLAN  
SCALE: 3/16" = 1'-0"



THIRD FLOOR PLAN  
SCALE: 3/16" = 1'-0"



SECOND FLOOR PLAN  
SCALE: 3/16" = 1'-0"

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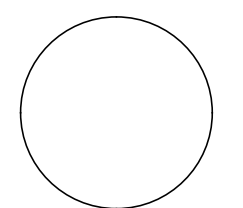
Drawing Title



2ND & 3RD FLOOR PLANS

Date OCTOBER 23, 2020  
Scale As Noted Project Number 19820  
Drawing Number

M1.2



NORTH ( building )

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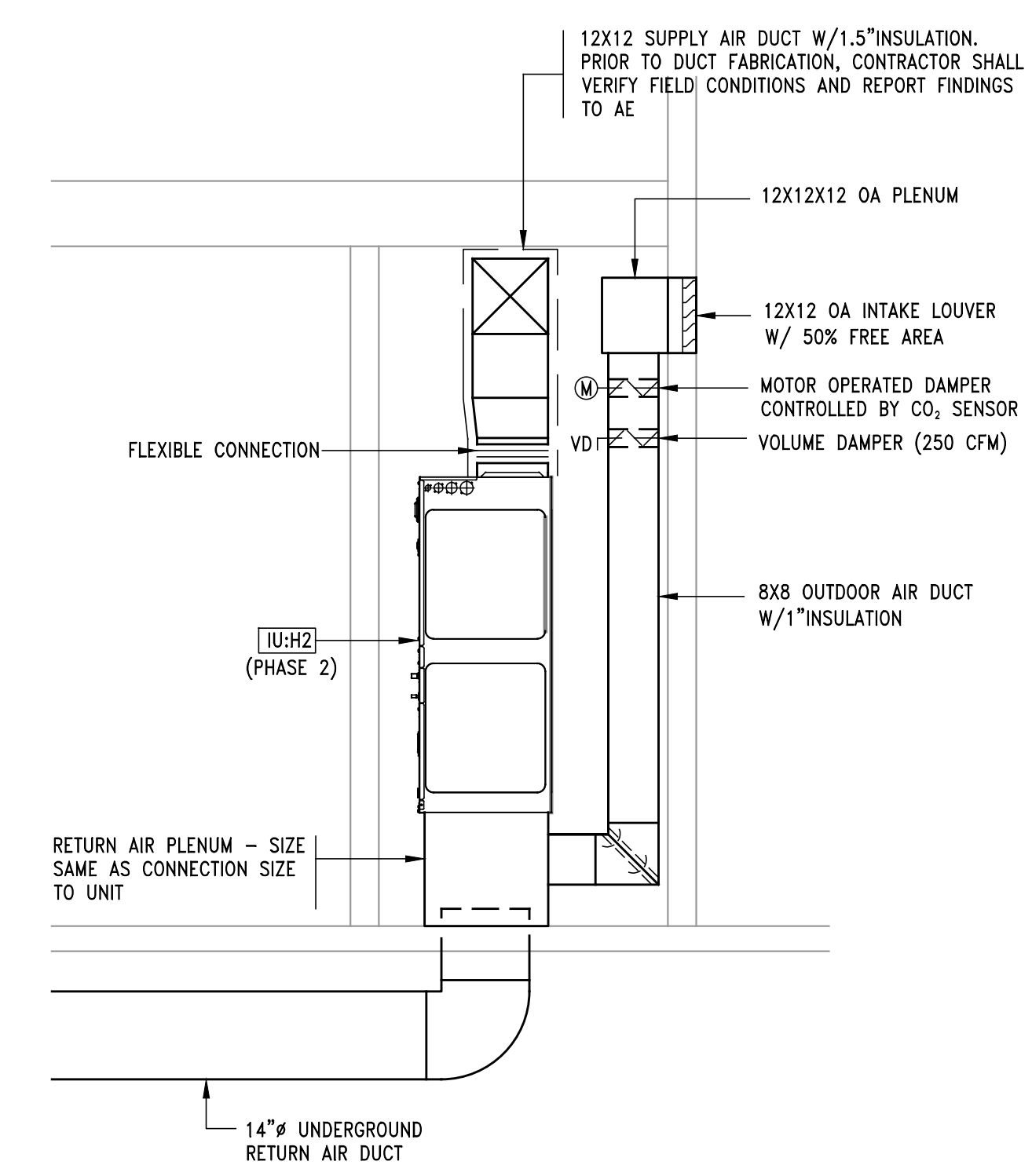
Mech/Elect Engineer

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Winchester, VA 22601  
540 247-2939

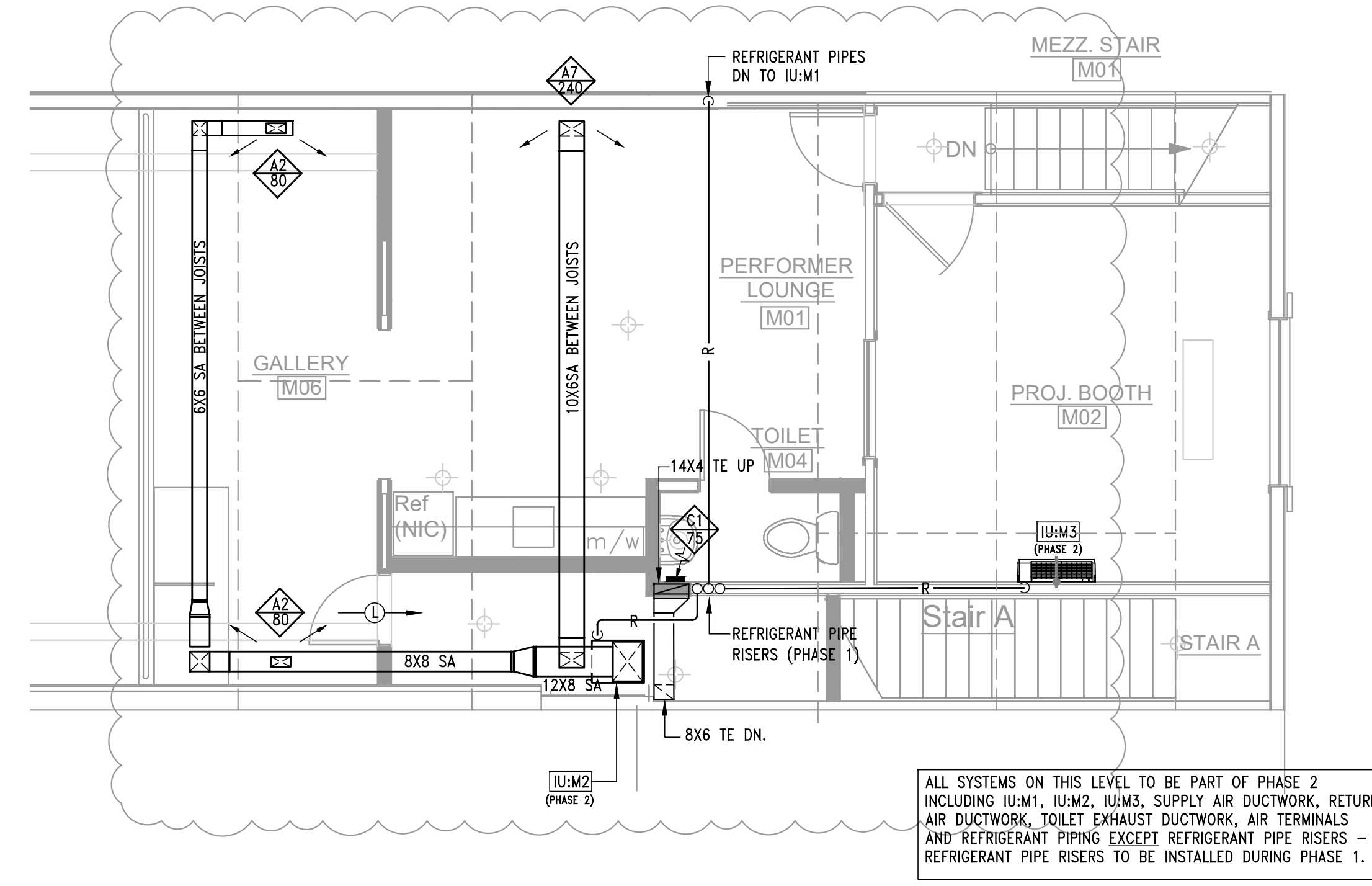
Structural Engineer

Ruckman Engineering, PLC  
22-B Ricketts Drive  
Winchester, VA 22601

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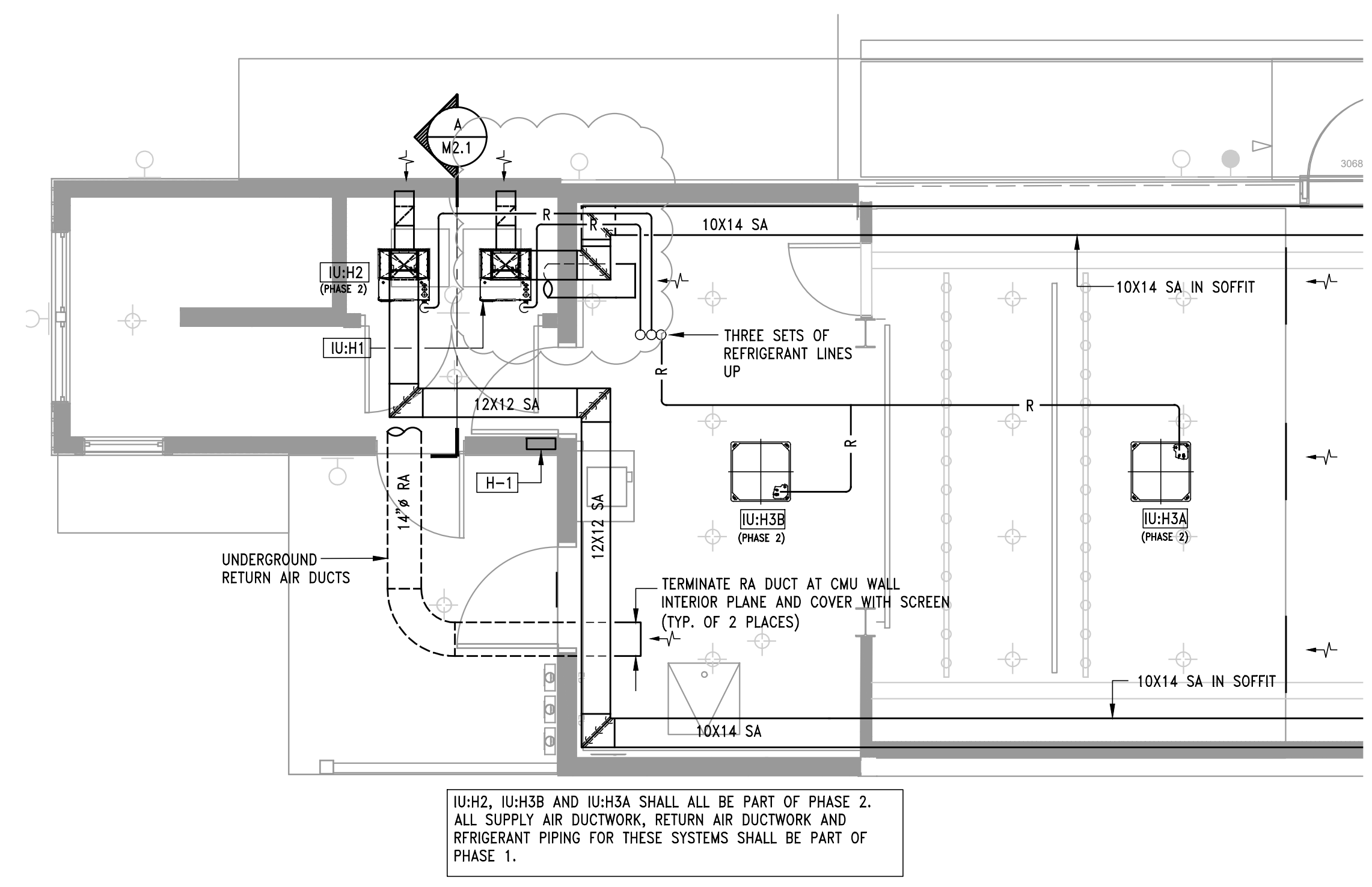


**A SECTION**  
M2.1|M2.1 SCALE: 1/2" = 1'-0"



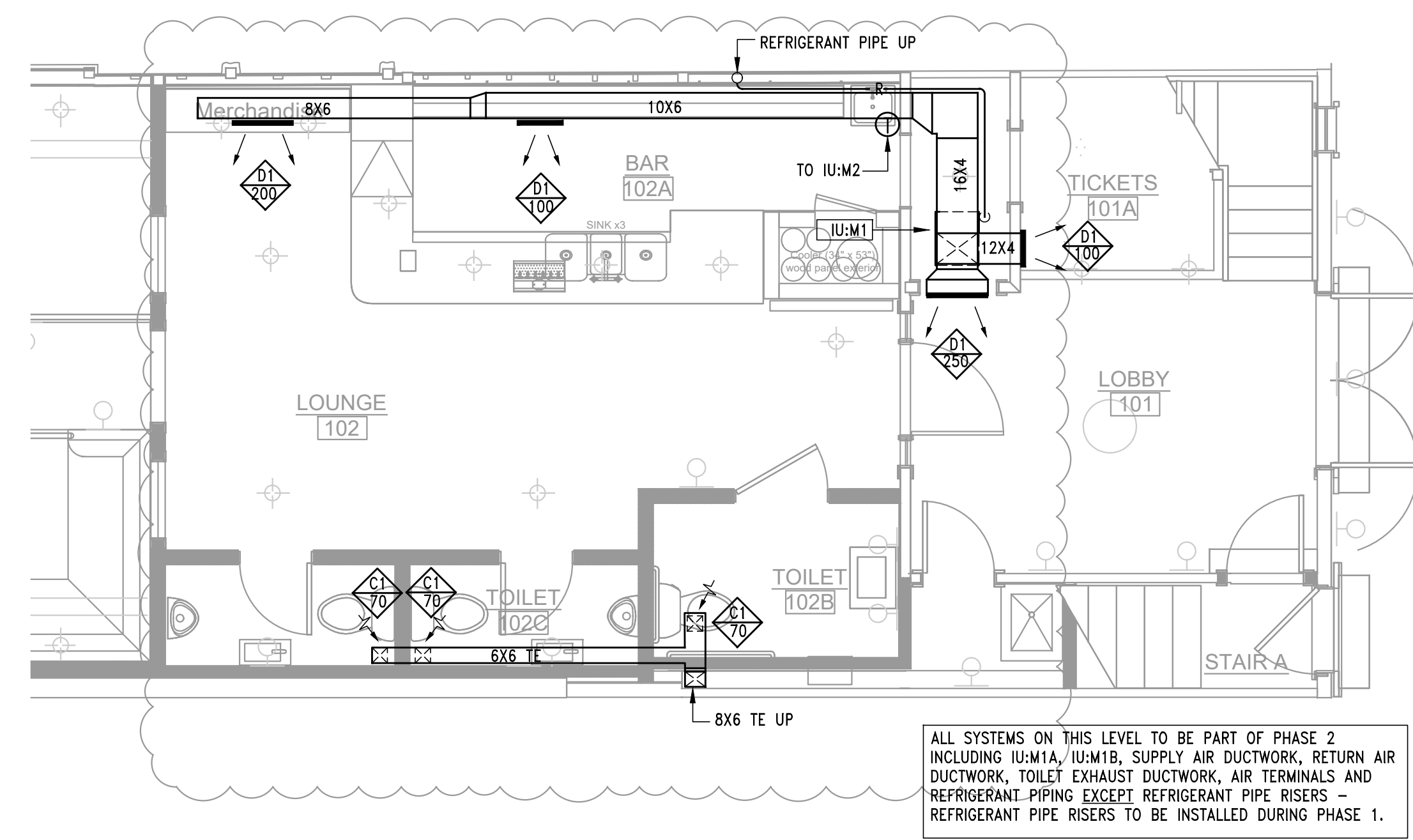
ALL SYSTEMS ON THIS LEVEL TO BE PART OF PHASE 2 INCLUDING IU:M1, IU:M2, IU:M3, SUPPLY AIR DUCTWORK, RETURN AIR DUCTWORK, TOILET EXHAUST DUCTWORK, AIR TERMINALS AND REFRIGERANT PIPING EXCEPT REFRIGERANT PIPE RISERS - REFRIGERANT PIPE RISERS TO BE INSTALLED DURING PHASE 1.

**B MEZZANINE PLAN**  
M1.1|M2.1 SCALE: 1/4" = 1'-0"



IU:H2, IU:H3B AND IU:H3A SHALL ALL BE PART OF PHASE 2. ALL SUPPLY AIR DUCTWORK, RETURN AIR DUCTWORK AND REFRIGERANT PIPING FOR THESE SYSTEMS SHALL BE PART OF PHASE 1.

**C PARTIAL 1ST FLOOR PLAN**  
M1.1|M2.1 SCALE: 1/4" = 1'-0"



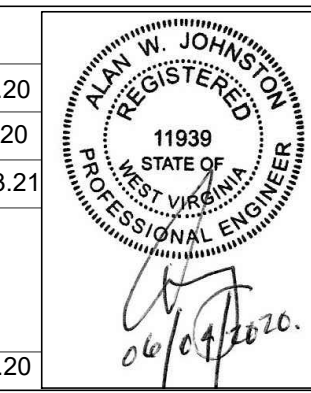
ALL SYSTEMS ON THIS LEVEL TO BE PART OF PHASE 2 INCLUDING IU:M1A, IU:M1B, SUPPLY AIR DUCTWORK, RETURN AIR DUCTWORK, TOILET EXHAUST DUCTWORK, AIR TERMINALS AND REFRIGERANT PIPING EXCEPT REFRIGERANT PIPE RISERS - REFRIGERANT PIPE RISERS TO BE INSTALLED DURING PHASE 1.

**A PARTIAL 1ST FLOOR PLAN**  
M1.1|M2.1 SCALE: 1/4" = 1'-0"

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FOR CONSTRUCTION 10.23.20

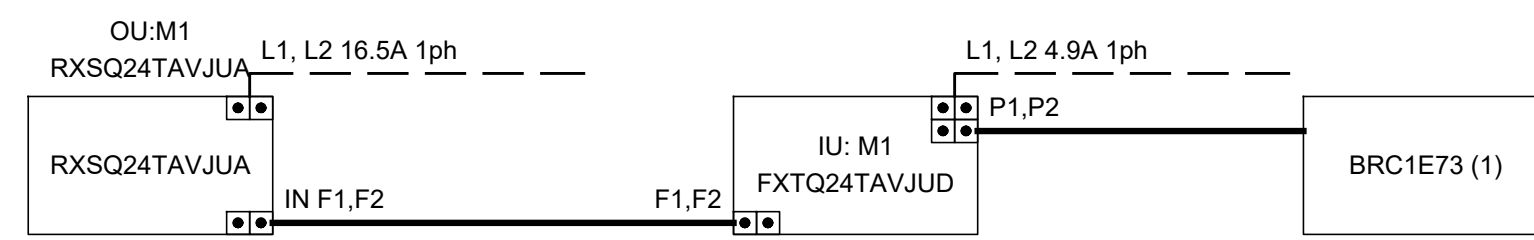
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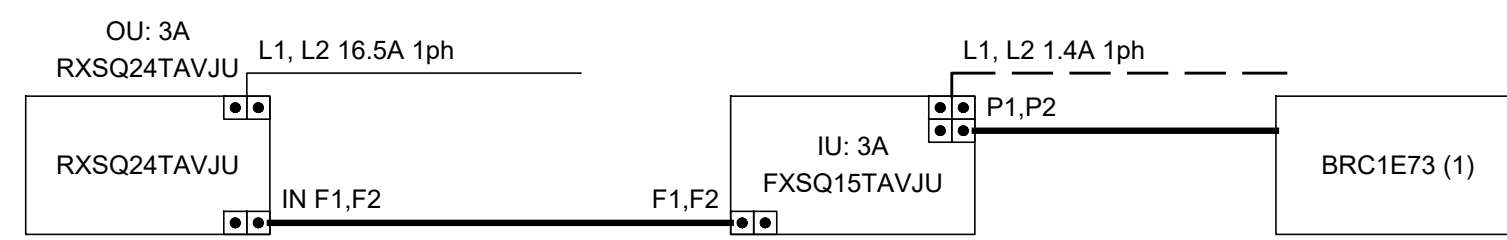
### ENLARGED PARTIAL PLANS

Date: OCTOBER 23, 2020  
Scale: As Noted  
Project Number: 19820  
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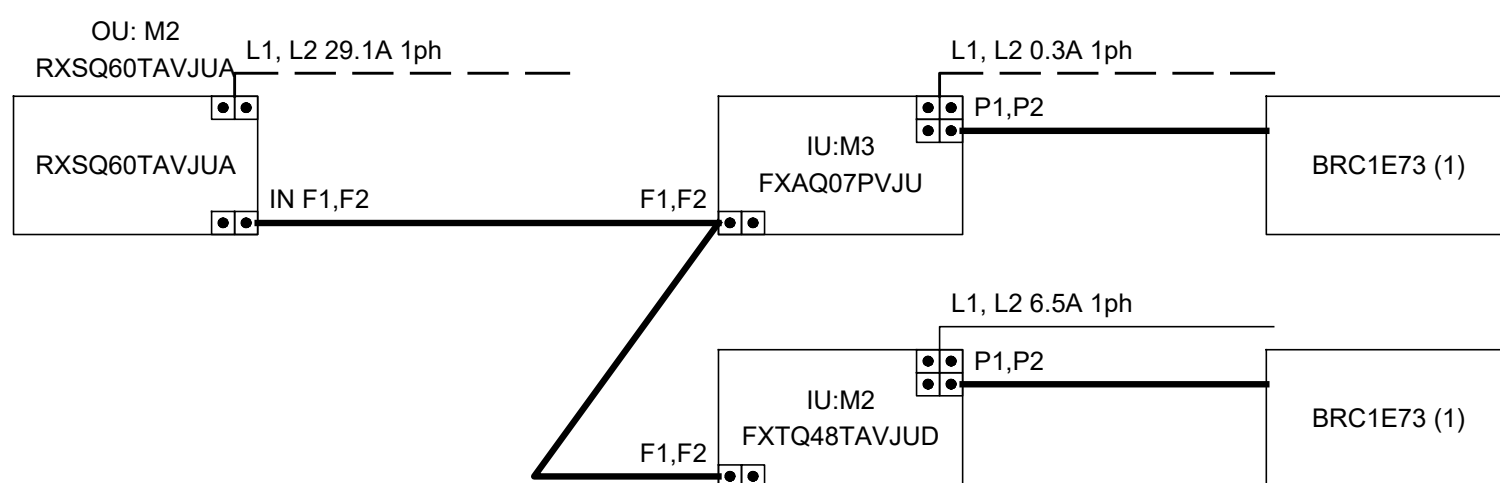
# M2.1



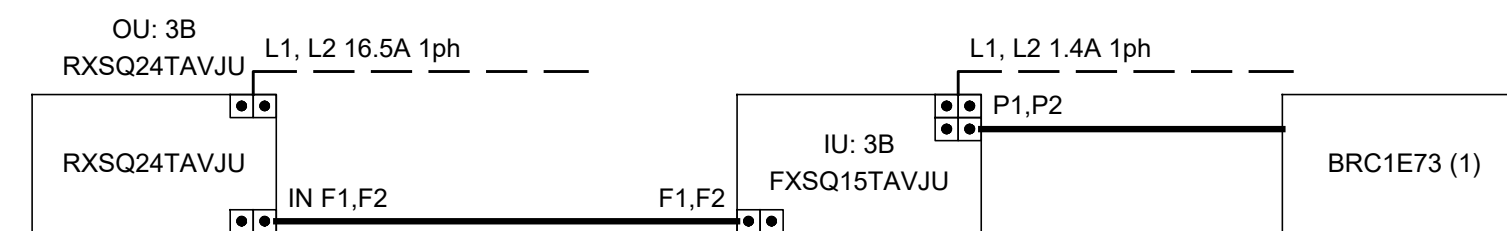
FIRST FLOOR & MEZZANINE (PHASE 2)



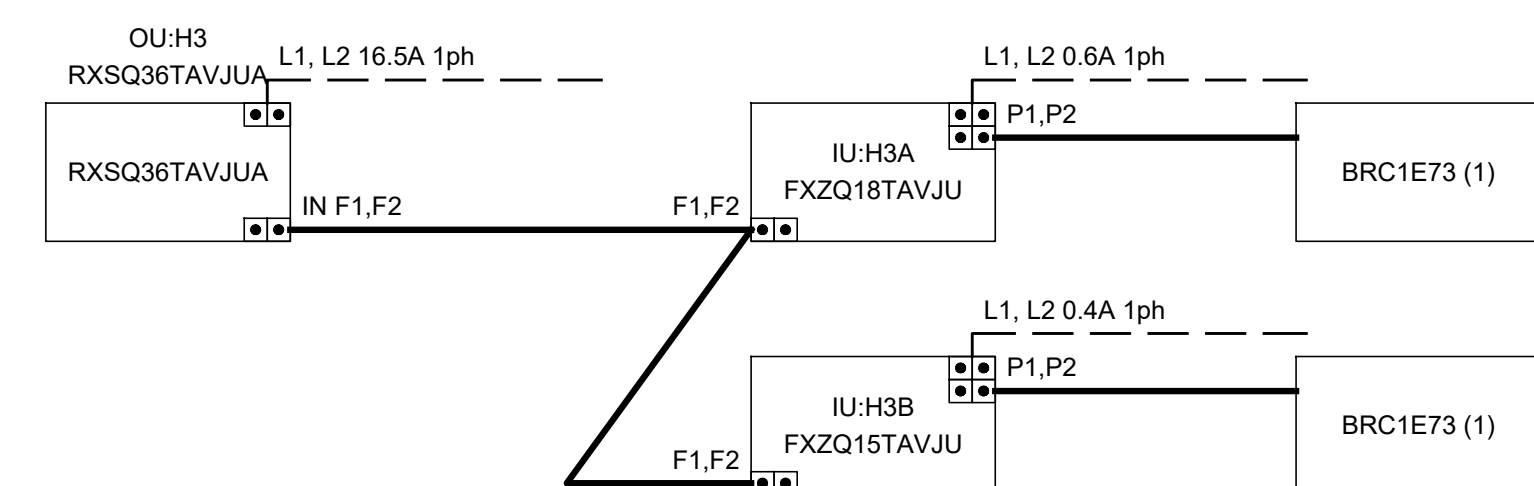
APARTMENT 3A



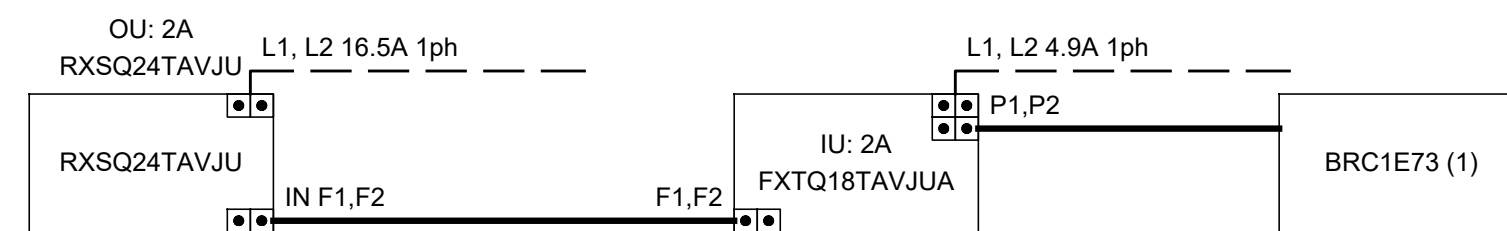
FIRST FLOOR & MEZZANINE (PHASE 2)



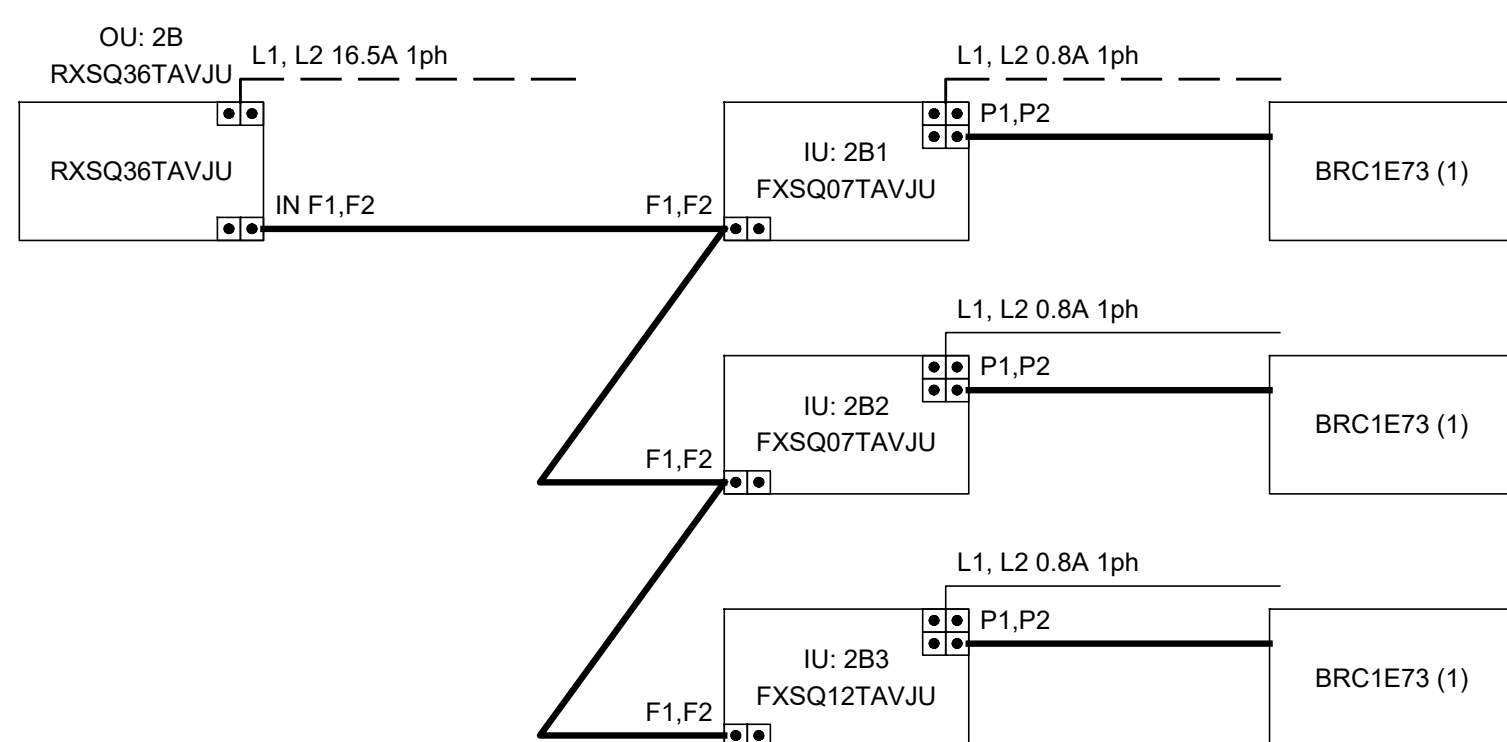
APARTMENT 3B



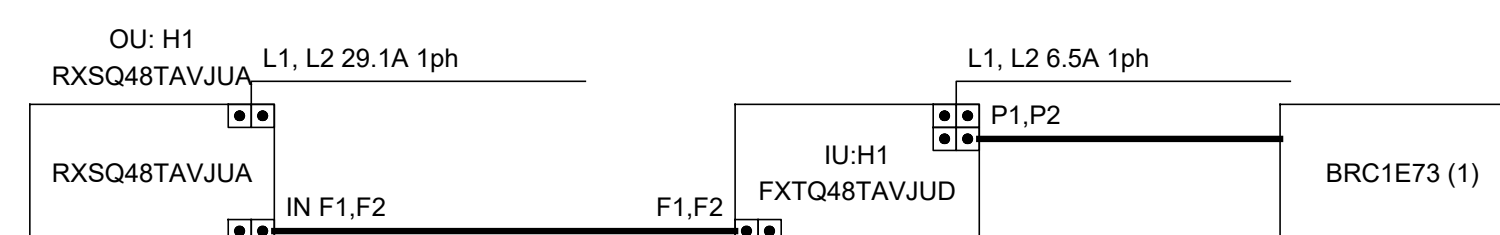
STAGE / BACKSTAGE SYSTEM (PHASE 2)



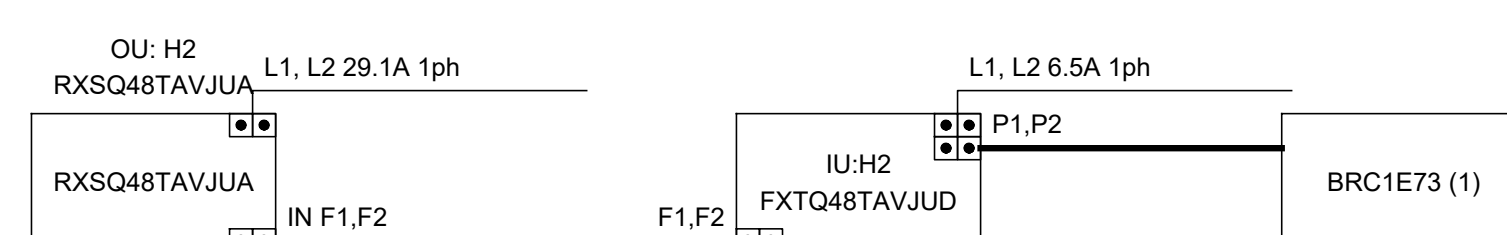
APARTMENT 2A



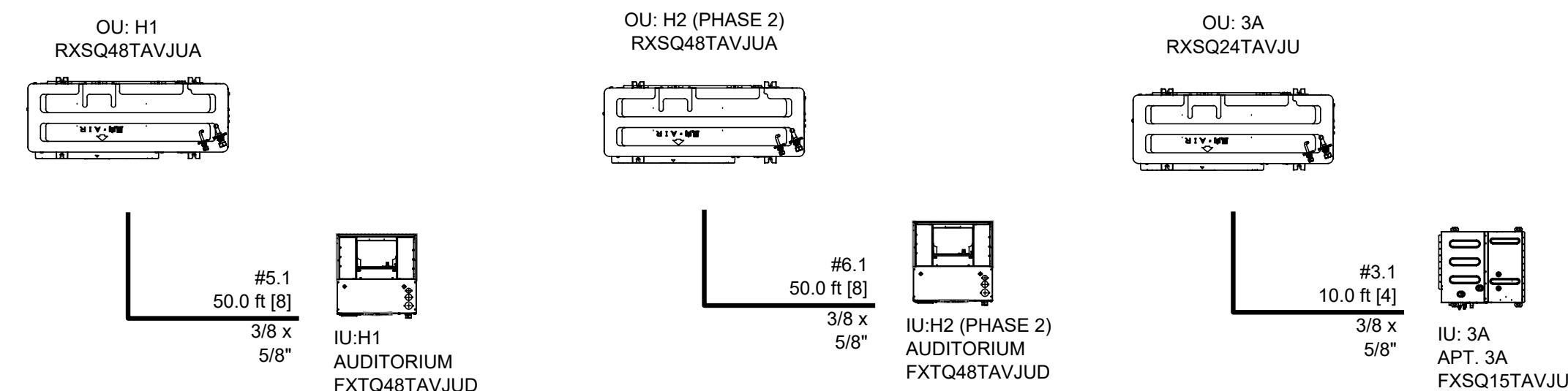
APARTMENT 2B



AUDITORIUM SYSTEM #1



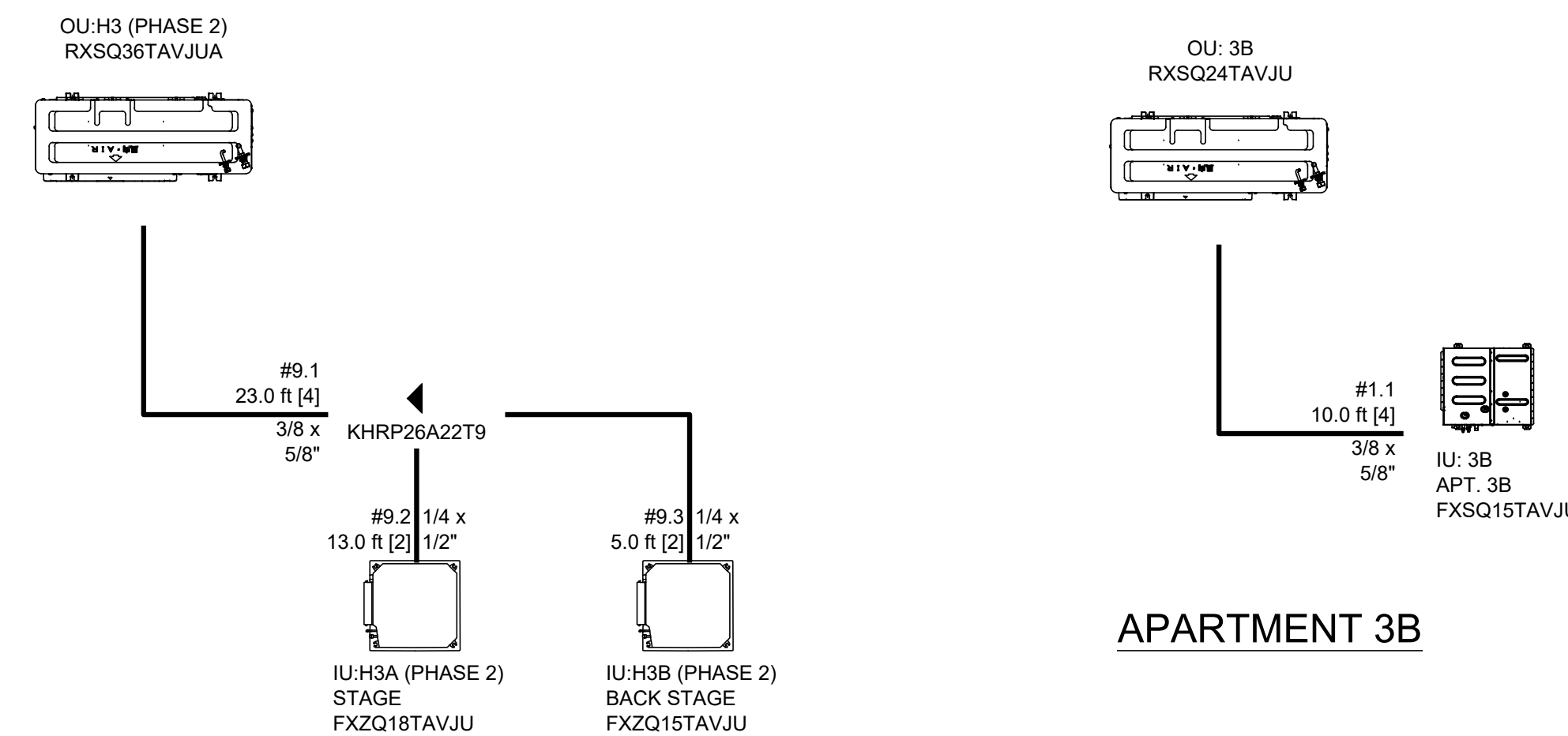
AUDITORIUM SYSTEM #2 (PHASE 2)



AUDITORIUM SYSTEM #1

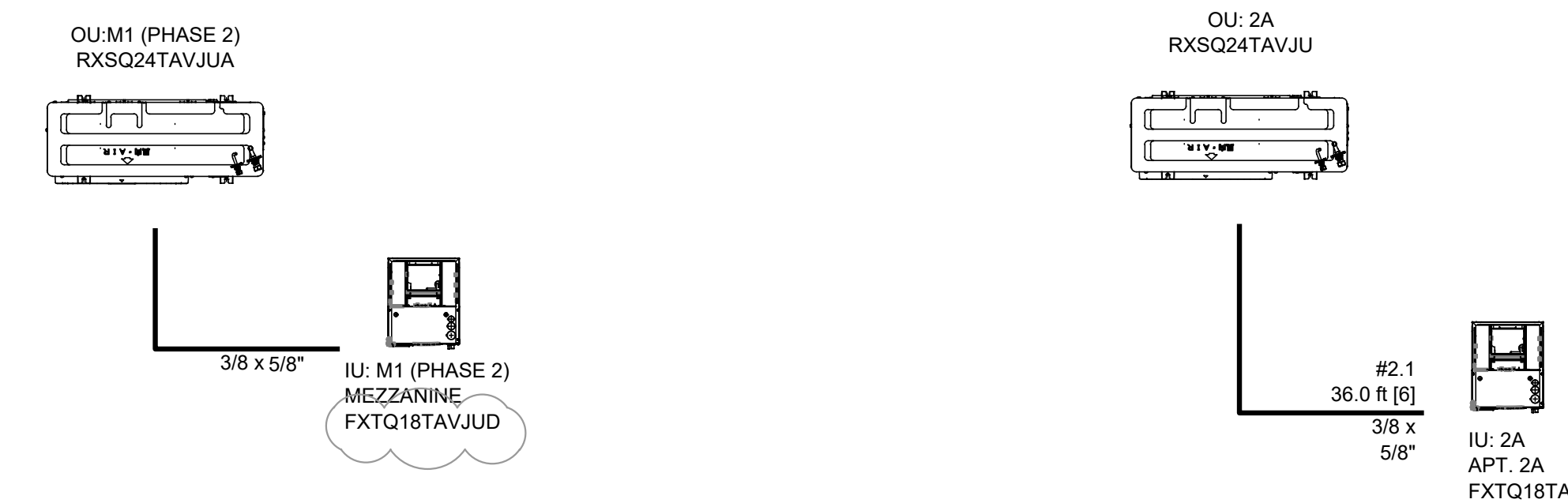
AUDITORIUM SYSTEM #2

APARTMENT 3A



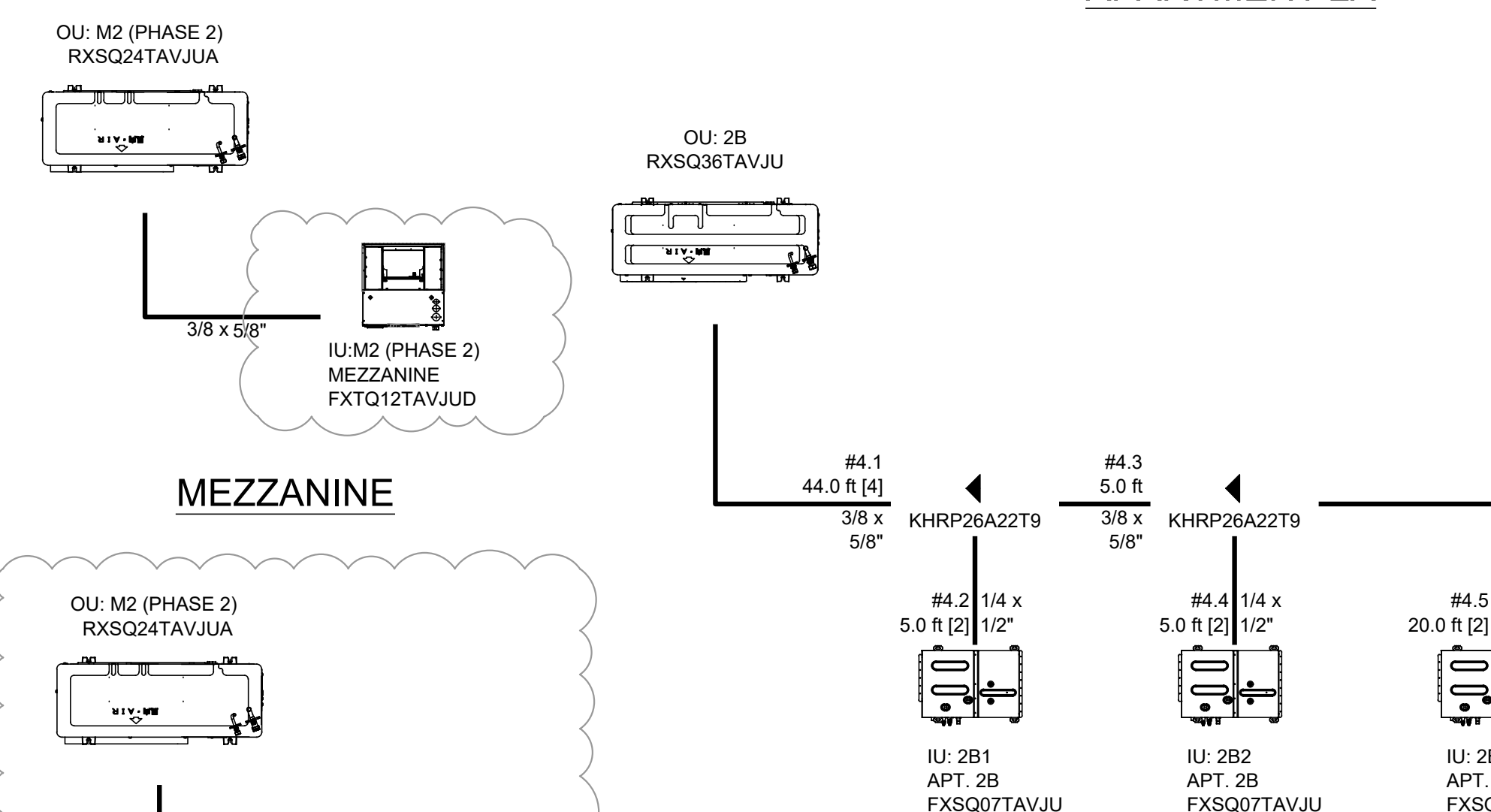
STAGE/BACK STAGE

APARTMENT 3B



MEZZANINE

APARTMENT 2A



MEZZANINE

PROJECTION BOOTH

APARTMENT 2B

VRV WIRING DIAGRAMS

SCALE: NONE

VRV REFRIGERANT PIPING DIAGRAMS

SCALE: NONE

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**VRV PIPE &  
WIRING DIAGRAMS**

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**M3.1**

