

1 MECHANICAL PROPOSED CEILING PLAN  
1/4" = 1'-0"

**MECHANICAL KEYED NOTES:**

- 1 REFRIGERANT PIPING UP THRU ROOF TO OUTDOOR UNIT.
- 2 ROUTE REFRIGERANT PIPING AS HIGH AS POSSIBLE TO OUTDOOR UNIT ON ROOF. ROUTE AND SIZE PER MANUFACTURER'S RECOMMENDATIONS (TYP.).
- 3 DUCT UP AND TRANSITION TO FULL SIZE OF UNIT OPENING WITH FLEX CONNECTION AT UNIT.
- 4 DUCT TO RISE ABOVE STRUCTURAL BEAM. COORDINATE WITH STRUCTURAL.
- 5 IN UPPER CEILING. PAINT BLACK.
- 6 PROVIDE REMOTE CABLE OPERATED DAMPER IN PLENUM SLOTS WITH OPERATION AT SLOT FACE.
- 7 PROVIDE REMOTE CABLE OPERATED DAMPER IN CEILING FOR DAMPER OPERATION.
- 8 LSR(3) WITH FULL SIZE SHEETMETAL PLENUM, 12" HIGH. INSIDE TO BE PAINTED FLAT BLACK. CONNECT TO 8" DUCT TO PLENUM.
- 9 SUPPLY DIFFUSER TO BE VAV TYPE WITH PETROLEUM BASED WAX CONTROLLED DAMPER. DAMPER SHALL CLOSE TO KEEP SPACE FROM BEING OVERHEATED ONCE ROOM TEMPERATURE IS SATISFIED (72°F ADJUSTABLE). DIFFUSER EQUAL TO PRICE ACUTHERM ST THERMA-FUSER. PROVIDE WALL MOUNTED TEMPERATURE SENSOR.
- 10 TEMPERATURE AND RELATIVE HUMIDITY DISPLAY EQUAL TO AUTOMATION COMPONENTS, INC. COORDINATE WITH IOT. SEE CONTROL SEQUENCE.
- 11 INSTALL SINGLE MUSEUM360 DIFFUSER WITH THE FOLLOWING TUBE LENGTHS: SKINNY TUBE (CONNECTS FROM THE DIFFUSER TO THE ATOMIZER/BOTTLE OF OIL); MAX 8-10 FF. THICK TUBE (CONNECTS FROM THE DIFFUSER TO THE ATOMIZER/BOTTLE OF OIL); MAX 3-5 FT



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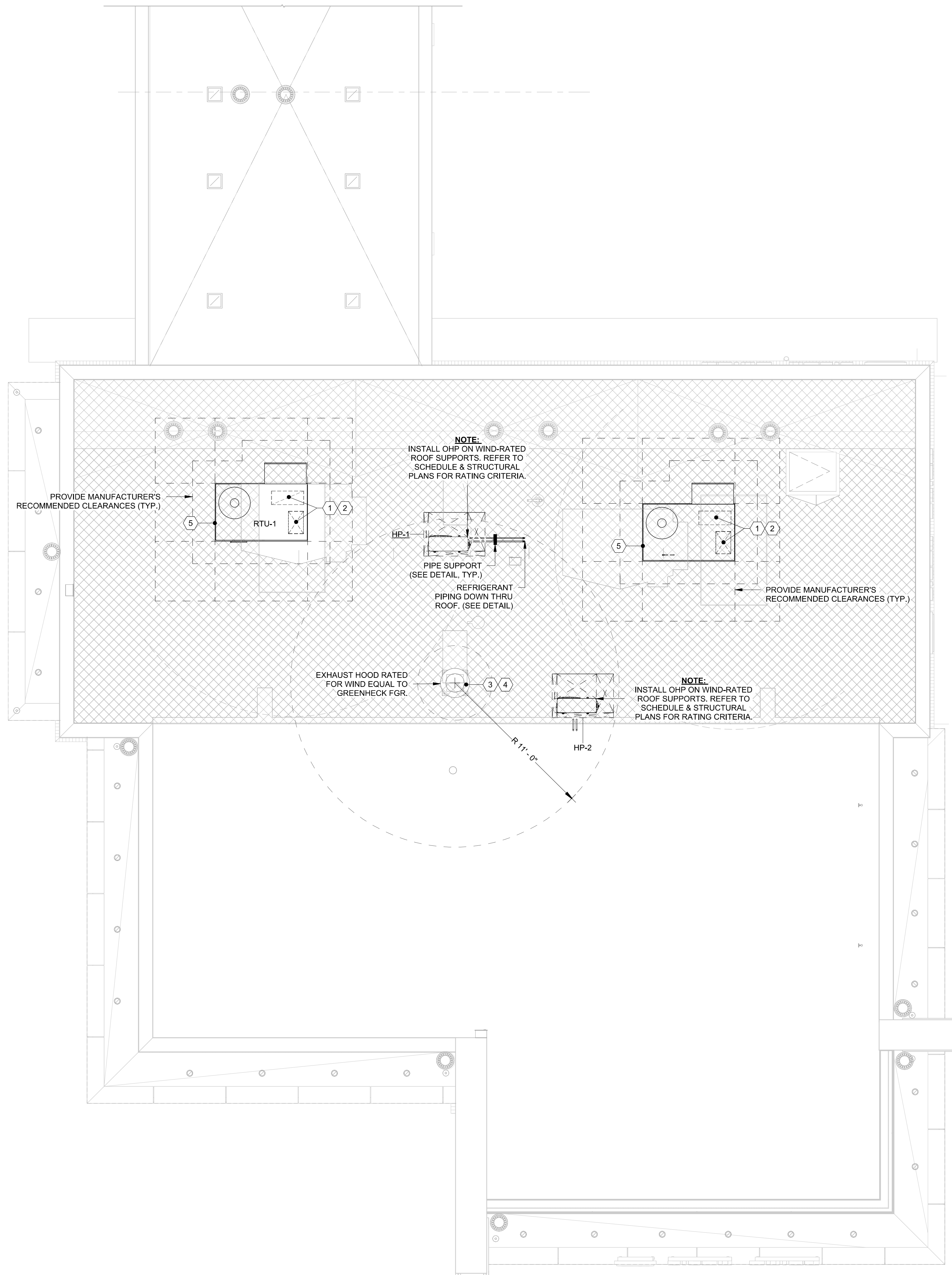
ISSUE	BY	DATE	DESCRIPTION
K/V		04/16/24	PERMIT SET
1	K/V	06/17/24	ADDENDUM 1
3	G	11/23/24	ADD RECEIPTACLE

**PROJECT INFORMATION BLOCK**  
 JOB # 230645/15-323.00  
 DATE: 10/21/2024  
 DRAWN BY: VO  
 CHECKED BY: RK

**SHEET TITLE**  
 MECHANICAL  
 PROPOSED CEILING  
 PLAN

**SHEET NUMBER**

M-301



1 MECHANICAL PROPOSED ROOF PLAN  
1/4" = 1'-0"

**GENERAL NOTES:**

1. RTU'S TO BE SCREENED BY NEW BUILDING PARAPET WALL SO THAT ROOF-MOUNTED EQUIPMENT IS OBSCURED FROM VIEW AT GRADE. SEE ARCHITECTURAL DRAWINGS.

**PLAN KEYED NOTES:**

- 1 SUPPLY DUCT UP TO RTU ON ROOF. COORDINATE CURB FOOTPRINT WITH STRUCTURAL BEAMS.
- 2 RETURN DUCT UP TO RTU ON ROOF. COORDINATE CURB FOOTPRINT WITH STRUCTURAL BEAMS.
- 3 EXHAUST DUCT UP TO EXHAUST FAN ON ROOF. COORDINATE CURB FOOTPRINT WITH STRUCTURAL BEAMS.
- 4 MAINTAIN 10' CLEARANCE FROM ALL EXHAUST OUTLETS TO FRESH AIR INTAKES.
- 5 INSTALL ROOFTOP AC UNIT ON TO 18" WIND RATED ROOF CURBS, REFER TO SCHEDULE & STRUCTURAL PLANS FOR RATING CRITERIA. PROVIDE 1-1/2" Ø CONDENSATE DRAIN WITH TRAP AND ROUTE TO ROOF DRAIN. (TYP.)



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MECHANICAL  
PROPOSED ROOF  
PLAN

SHEET NUMBER  
M-302