

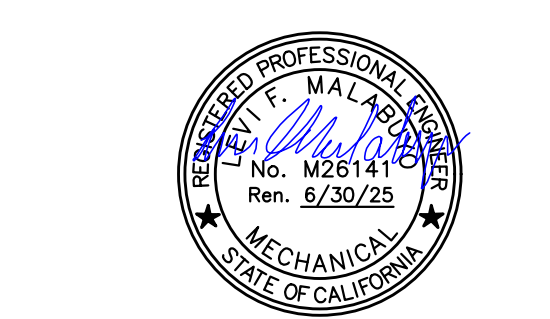
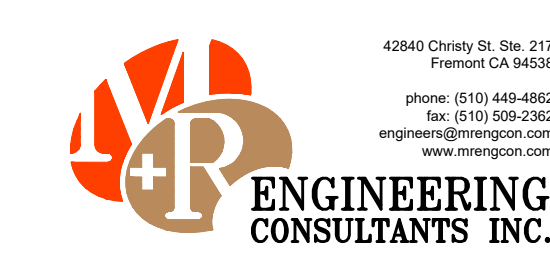
**GENERAL NOTES**

- A. CONTRACTOR SHALL VERIFY IN THE FIELD FOR EXACT LOCATION OF ALL DUCTING/PIPING AND UTILITIES PRIOR TO START OF WORK. IN THE EVENT OF ANY DISCREPANCIES OR POTENTIAL CONFLICTS, NOTIFY THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.
- B. ALL DUCTING/PIPING LOCATIONS ARE DIAGRAMMATIC. CONTRACTOR SHALL COORDINATE WITH ALL TRADES AND OWNER'S REPRESENTATIVE AND VERIFY EXACT ROUTING PRIOR TO START OF WORK.
- C. FINAL THERMOSTAT/REMOTE SENSOR SHALL BE COORDINATED WITH THE ARCHITECT AND GENERAL CONTRACTOR FOR APPROVAL PRIOR TO INSTALLATION.
- D. CONTRACTOR SHALL PERFORM AIR BALANCING AS PART OF TESTING AND COMMISSIONING ACTIVITIES OF ALL HVAC SYSTEM AND EQUIPMENT. DURING THE SAID ACTIVITY, ALL SUPPLY AND EXHAUST AIRFLOW RATES SHALL BE VERIFIED IN ACCORDANCE WITH 2022 CMC. AN AIR BALANCE REPORT MUST BE PROVIDED TO AUTHORITIES HAVING JURISDICTION PRIOR TO THE FINAL INSPECTION.
- E. MECHANICAL HOOD SHOULD COMPLY WITH CMC TABLE 508.5.1.2 AND FOR EXTRA-HEAVY-DUTY COOKING ONLY.
- F. PROVIDE YOUNG REGULATOR BALANCING DAMPER AS NEEDED FOR THE DIFFUSER THAT IS NOT ACCESSIBLE FOR BALANCING.
- G. CONTRACTOR TO PROVIDE ACCESS PANEL TO ALL MECHANICAL EQUIPMENTS FOR MAINTENANCE IF NOT READILY ACCESSIBLE. COORDINATE WITH ARCHITECT.
- H. ALL DEEP-FAT FRYERS SHALL BE INSTALLED WITH AT LEAST A 16" SPACE BETWEEN THE FRYER AND SURFACE FLAMES FROM ADJACENT COOKING EQUIPMENT OR A MINIMUM 8" STEEL OR TEMPERED GLASS BATTLE PLATE SHALL BE INSTALLED BETWEEN THE FRYER AND SURFACE FLAMES OF THE ADJACENT APPLIANCE.
- I. ROOFTOP EQUIPMENT SHALL BE PERMANENTLY IDENTIFIED AS TO THE AREA OR SPACE SERVED BY THE EQUIPMENT.

**KEY NOTES**

- ① 1/2" DOOR UNDERCUT. COORDINATE WITH ARCHITECT.
- ② FAN COIL UNIT MOUNTED ON CEILING. INSTALL AS PER MANUFACTURER'S RECOMMENDATION.
- ③ 8" Ø FRESH AIR INTAKE. PROVIDE 10 FEET CLEARANCE FROM ANY EXHAUST TERMINATION.
- ④ 10" Ø FRESH AIR INTAKE. PROVIDE 10 FEET CLEARANCE FROM ANY EXHAUST TERMINATION.
- ⑤ 12" Ø FRESH AIR INTAKE. PROVIDE 10 FEET CLEARANCE FROM ANY EXHAUST TERMINATION.
- ⑥ 12"x12" EXHAUST AIR RISER. PROVIDE WITH BACKDRAFT DAMPER, AND VENT CAP WITH INSECT SCREEN. PROVIDE 10 FEET CLEARANCE FROM ANY MECHANICAL INTAKE.
- ⑦ 22"x19" MAKE-UP AIR DUCT RISER. CONNECT TO MUA-1.
- ⑧ 18" Ø KITCHEN EXHAUST DUCT RISER. CONNECT TO KEF-1/KEF-2.
- ⑨ HOOD SUPPLY AIR PLENUM BOX.
- ⑩ PROVIDE WITH DUCT MOUNTED SMOKE DETECTOR IF NONE EXISTING.
- ⑪ PROPOSED 20"x16" SOFFIT. COORDINATE WITH ARCHITECT.
- ⑫ NEW AIR CURTAIN. REFER TO SHEET M0.3 FOR UNIT SPECIFICATION.
- ⑬ EXISTING RTU1/RTU2 SUPPLY AND RETURN RISER TO REMAIN. CONTRACTOR TO VERIFY EXACT LOCATION AND CONDITION ON SITE.
- ⑭ 28-3/4"x14" SUPPLY RISER. CONNECT TO ROOFTOP UNIT.
- ⑮ 36-3/8"x12-5/8" RETURN RISER. CONNECT TO ROOFTOP UNIT.
- ⑯ FCU THERMOSTAT. COORDINATE WITH ARCHITECT. REFER TO DETAIL #5/M3.1 FOR MOUNTING.
- ⑰ RTU THERMOSTAT. PROVIDE IF NONE EXISTING. COORDINATE WITH ARCHITECT. REFER TO DETAIL #5/M3.1 FOR MOUNTING.
- ⑱ ELECTRICAL SINGLE RACK OVEN CANOPY EXHAUST THRU ROOF. INSTALL AS PER MANUFACTURER'S INSTRUCTION.
- ⑲ NEW CO2 SENSOR TO BE PROVIDED. INSTALL AS PER CMC 120.1(d)4.
- ⑳ SINGLE RACK OVEN TYPE-1 HOOD CANOPY OUTLINE.
- ㉑ NEW GAS-FIRED TANKLESS WATER HEATER. REFER TO PLUMBING PLANS FOR UNIT SPECIFICATIONS.
- ㉒ 3" Ø CONCENTRIC VENT THRU ROOF. INSTALL AS PER MANUFACTURER'S RECOMMENDATION.

**1 MECHANICAL FLOOR PLAN**  
M2.1 SCALE: 1/8" = 1'-0"



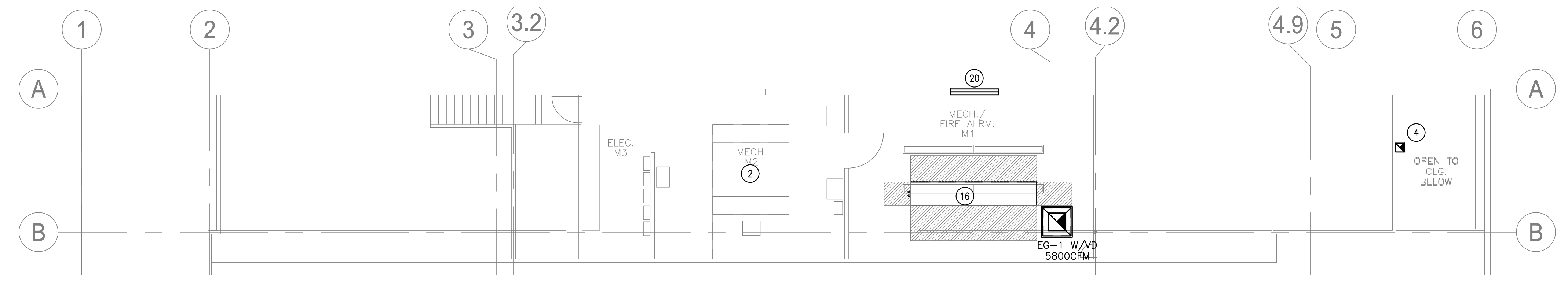
REV	DATE	DESCRIPTION
Δ	10.27.24	AHJ COMMENTS

MECHANICAL FLOOR PLAN

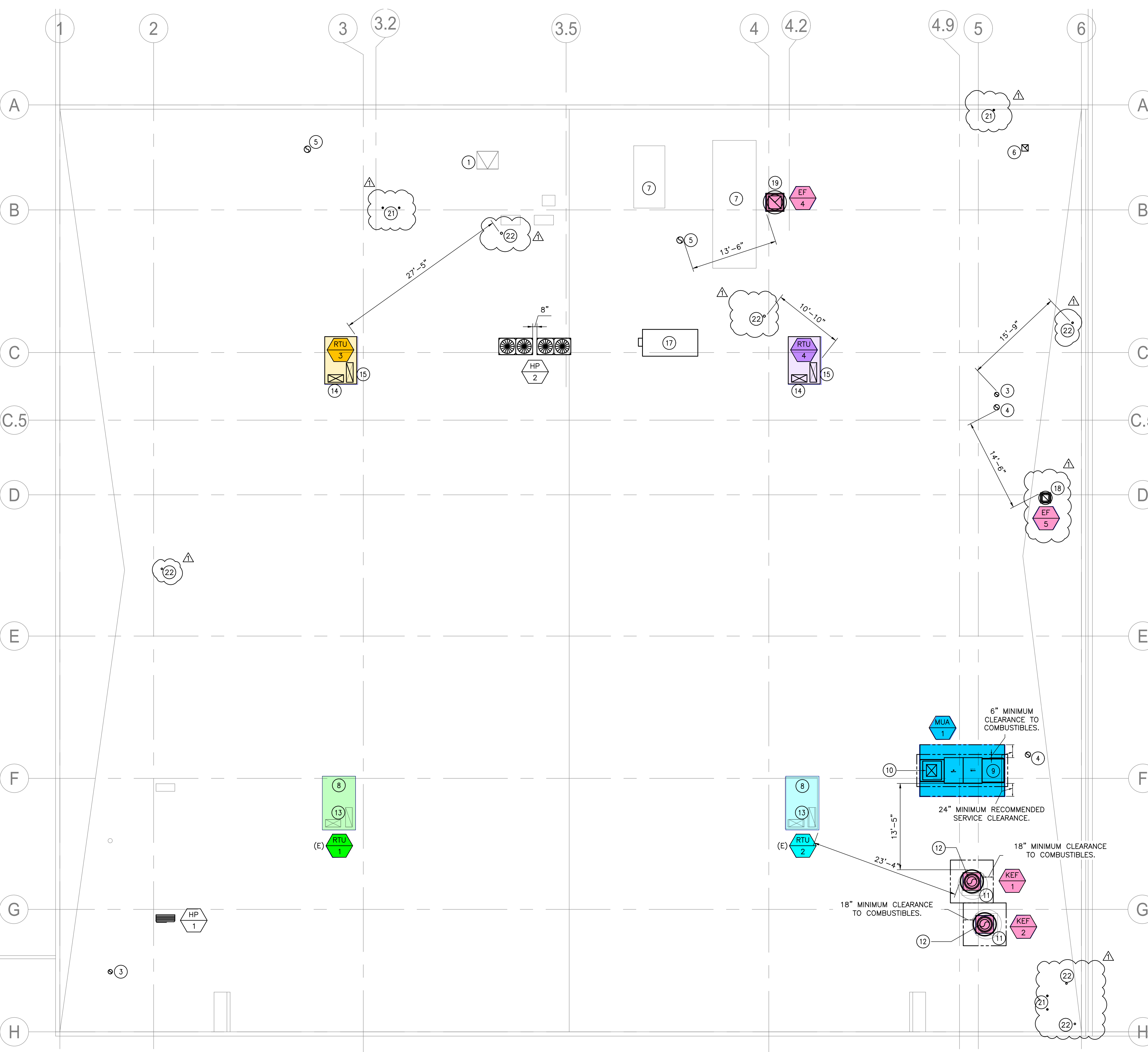
DRAWN BY: JKS SCALE: NOTED  
CHECKED: HC PROJECT: A2404-AD669

OCT. 17, 2024

**M2.1**



**1 MECHANICAL MEZZANINE FLOOR PLAN**  
M2.2 SCALE: 1/8" = 1'-0"



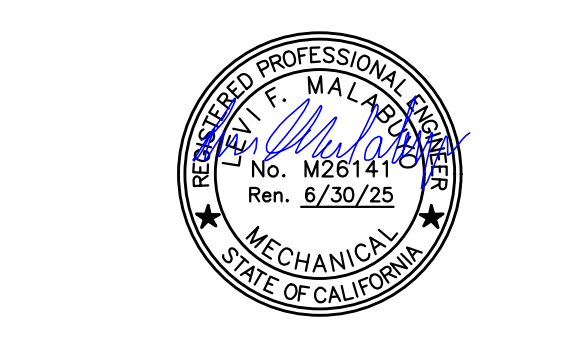
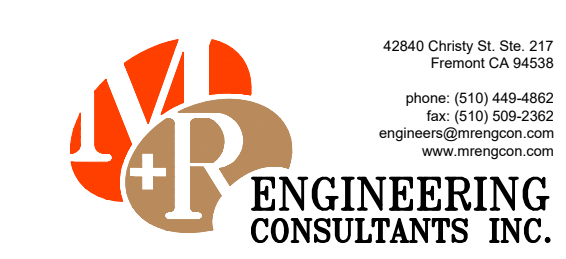
**2 MECHANICAL ROOF PLAN**  
M2.2 SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

- A. CONTRACTOR SHALL VERIFY IN THE FIELD FOR EXACT LOCATION OF ALL DUCTING/PIPING AND UTILITIES PRIOR TO START OF WORK. IN THE EVENT OF ANY DISCREPANCIES OR POTENTIAL CONFLICTS, NOTIFY THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.
- B. ALL DUCTING/PIPING LOCATIONS ARE DIAGRAMMATIC. CONTRACTOR SHALL COORDINATE WITH ALL TRADES AND OWNER'S REPRESENTATIVE AND VERIFY EXACT ROUTING PRIOR TO START OF WORK.
- C. FINAL THERMOSTAT/REMOTE SENSOR SHALL BE COORDINATED WITH THE ARCHITECT AND GENERAL CONTRACTOR FOR APPROVAL PRIOR TO INSTALLATION.
- D. CONTRACTOR SHALL PERFORM AIR BALANCING AS PART OF TESTING AND COMMISSIONING ACTIVITIES OF ALL HVAC SYSTEM AND EQUIPMENT. DURING THE SAID ACTIVITY, ALL SUPPLY AND EXHAUST AIRFLOW RATES SHALL BE VERIFIED IN ACCORDANCE WITH 2022 CMC. AN AIR BALANCE REPORT MUST BE PROVIDED TO AUTHORITIES HAVING JURISDICTION PRIOR TO THE FINAL INSPECTION.
- E. MECHANICAL HOOD SHOULD COMPLY WITH CMC TABLE 508.5.1.2 AND FOR EXTRA-HEAVY-DUTY COOKING ONLY.
- F. PROVIDE YOUNG REGULATOR BALANCING DAMPER AS NEEDED FOR THE DIFFUSER THAT IS NOT ACCESSIBLE FOR BALANCING.
- G. CONTRACTOR TO PROVIDE ACCESS PANEL TO ALL MECHANICAL EQUIPMENTS FOR MAINTENANCE IF NOT READILY ACCESSIBLE. COORDINATE WITH ARCHITECT.
- H. ALL DEEP-FAT FRYERS SHALL BE INSTALLED WITH A MINIMUM 8" STEEL OR TEMPERED GLASS BATTLE PLATE SHALL BE INSTALLED BETWEEN THE FRYER AND SURFACE FLAMES OF THE ADJACENT APPLIANCE.
- I. ROOFTOP EQUIPMENT SHALL BE PERMANENTLY IDENTIFIED AS TO THE AREA OR SPACE SERVED BY THE EQUIPMENT.

**KEY NOTES**

- 1 EXISTING ROOF HATCH ACCESS
- 2 EXISTING AHU TO BE DEMOLISHED.
- 3 8" Ø FRESH AIR INTAKE. PROVIDE 10 FEET CLEARANCE FROM ANY EXHAUST TERMINATION.
- 4 10" Ø FRESH AIR INTAKE. PROVIDE 10 FEET CLEARANCE FROM ANY EXHAUST TERMINATION.
- 5 12" Ø FRESH AIR INTAKE. PROVIDE 10 FEET CLEARANCE FROM ANY EXHAUST TERMINATION.
- 6 12"x12" EXHAUST AIR RISER. PROVIDE WITH BACKDRAFT DAMPER, AND VENT CAP WITH INSECT SCREEN. PROVIDE 10 FEET CLEARANCE FROM ANY MECHANICAL INTAKE.
- 7 EXISTING ROOF TOP UNIT TO BE DEMOLISHED.
- 8 EXISTING PACKAGED ROOF TOP UNITS TO BE RE-USED. CONTRACTOR TO VERIFY EXACT LOCATION AND CONDITION ON-SITE.
- 9 NEW MAKE-UP AIR UNIT. PLEASE SEE SHEET M0.2 FOR UNIT SPECIFICATION. PROVIDE 10 FEET CLEARANCE FROM ANY EXHAUST TERMINATION.
- 10 22"x19" MAKE-UP AIR DUCT RISER. CONNECT TO MUA-1.
- 11 NEW KITCHEN EXHAUST FAN. PLEASE SEE SHEET M0.2 FOR UNIT SPECIFICATION. PROVIDE 10 FEET CLEARANCE FROM ANY MECHANICAL INTAKE.
- 12 18" Ø KITCHEN EXHAUST DUCT RISER. CONNECT TO KEF-1/KEF-2.
- 13 EXISTING RTU1/RTU2 SUPPLY AND RETURN RISER TO REMAIN. CONTRACTOR TO VERIFY EXACT LOCATION AND CONDITION ON SITE.
- 14 28-3/4"x14" SUPPLY RISER. CONNECT TO ROOFTOP UNIT.
- 15 36-3/8"x12-5/8" RETURN RISER. CONNECT TO ROOFTOP UNIT.
- 16 RACK SYSTEM. NOT PART OF SCOPE.
- 17 ROOFTOP CONDENSER. NOT PART OF SCOPE.
- 18 NEW ROOFTOP EXHAUST FAN SERVING SINGLE RACK OVEN CANOPY EXHAUST. INSTALL AS PER MANUFACTURER'S INSTRUCTION.
- 19 24"x24" EXHAUST AIR RISER CONNECTED TO EF-4. PROVIDE 10 FEET CLEARANCE FROM ANY MECHANICAL INTAKE.
- 20 LOUVERED OPENING. PROVIDE WITH A MINIMUM FREE AREA OF 12 SQUARE FEET. COORDINATE WITH ARCHITECT.
- 21 3" Ø CONCENTRIC VENT THRU ROOF. INSTALL AS PER MANUFACTURER'S RECOMMENDATION.
- 22 PLUMBING VENT. MAINTAIN A MINIMUM 10 FEET CLEARANCE FROM ANY MECHANICAL INTAKE. REFER TO PLUMBING PLANS FOR DETAILS.



REV	DATE	DESCRIPTION
Δ	10.27.24	AHU COMMENTS

**MECHANICAL MEZZANINE FLOOR & ROOF PLAN**

DRAWN BY: JKS SCALE: NOTED  
CHECKED: HC PROJECT: A2404-AD669

HYP: OCT. 17, 2024 **M2.2**