



MECHANICAL FLOOR PLAN  
SCALE: 1/4"=1'-0"

- KEYED NOTES**
- ROUTE SUPPLY AND RETURN DUCTS DOWN FROM THE RTU CONNECTIONS AND TRANSITION THROUGH THE ROOF TO SIZES AS SHOWN. INSTALL COMPLETE WITH FLEXIBLE CONNECTIONS AT EQUIPMENT. PROVIDE 1/2" INTERNALLY LINED ACOUSTIC INSULATION FOR RETURN DUCTWORK AND THE FIRST 10'-0" OF SUPPLY DUCTWORK.
  - FACTORY AVAILABLE SMOKE DETECTOR CAPABLE OF SHUTTING DOWN THE RESPECTIVE MECHANICAL UNIT UPON ACTIVATION.
  - WALL MOUNTED REMOTE ZONE TEMPERATURE SENSOR SHALL BE MOUNTED AT 54" AFF, AND WIRED BACK TO RESPECTIVE PROGRAMMABLE THERMOSTAT IN MGR'S OFFICE. COORDINATE PLACEMENT WITH WALL DECOR AND EQUIPMENT. FIELD VERIFY WITH THE OWNER'S REPRESENTATIVE FOR THE FINAL LOCATION PRIOR TO INSTALLATION.
  - PROGRAMMABLE THERMOSTATS IN MANAGER'S OFFICE TO BE MOUNTED AT 54" AFF AND VERTICALLY STACKED AND CLEARLY LABELED. VERIFY PLACEMENT WITH ARCHITECTURAL FLOOR PLAN AND INTERIOR ELEVATIONS.
  - ROUTE 4" CPVC COMBUSTION AIR INTAKE/ EXHAUST PIPING FROM THE WATER HEATER ABOVE THE SERVICE SINK TO A TERMINATION LOCATION ON THE ROOF. INSTALL WITH THE MINIMUM ELBOWS AND OFFSETS AS NECESSARY FOR A COMPLETE INSTALLATION PER THE WATER HEATER MANUFACTURER'S REQUIREMENTS.
  - THE EXHAUST DUCT RISER SHALL BE INSTALLED FULL SIZE OF THE TYPE II EXHAUST HOOD COLLAR CONNECTION. ROUTE DUCT TO EXHAUST FAN. FIELD VERIFY ANY REQUIRED TRANSITIONS OR OFFSETS OF EXHAUST DUCT FROM STRUCTURE. DUCT SHALL BE INSTALLED AS MINIMUM 24 GA ALUMINUM SEALED LIQUID TIGHT, AND PROPERLY SUPPORTED FROM STRUCTURE PER SMACNA GUIDELINES.
  - PROVIDE ROOF MOUNTED WEATHER PROOF VENT CAP FOR TERMINATION OF 10" RESTROOM EXHAUST. INSTALL COMPLETE WITH 1/4"x1/4" CORROSION RESISTANT WIRE MESH SCREEN.
  - AIR DEVICE IN HARD LID CEILING SHALL BE INSTALLED COMPLETE WITH OPPOSED BLADE DAMPER FOR MANUAL VOLUME ADJUSTMENT.
  - PROVIDE TRANSFER AIR DUCT BETWEEN RETURN AIR GRILLES AS SHOWN.
  - RETURN GRILLE AIR QUANTITIES LISTED ARE FOR STANDARD OPERATING HOURS. REFER TO SHEET M2.0 FOR AIR BALANCE REPORT ON DESIGN AIRFLOW RATES.



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TBPE FIRM REGISTRATION# F-11678



**NOT FOR CONSTRUCTION!**  
BRIAN EDWARD CHANDLER  
LICENSED PROFESSIONAL ENGINEER  
83800

12-15-11

**SCHLOTZSKY'S DELI  
THE TRAILS AT 620**  
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DATE	DESCRIPTION
11.21.11	ISSUE FOR PERMIT
12.16.11	ISSUE FOR BID

DATE	DESCRIPTION

SHEET TITLE:

**MECHANICAL  
FLOOR PLAN**

SHEET NUMBER:

**M1.0**

PROJECT NUMBER:

**FOC11003**