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ARCHITECTURE, INTERIOR ARCHITECTURE, PLANNING  
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**SHELL BUILDING**  
920 STRICKLAND BRIDGE  
FAYETTEVILLE, NORTH CAROLINA 28304

Revisions:  
City Comments 10/21/19  
Utility Coordination 01/20/20

File Name: 19033  
Project No: 19033  
Date: 04/16/19  
Drawn By:  
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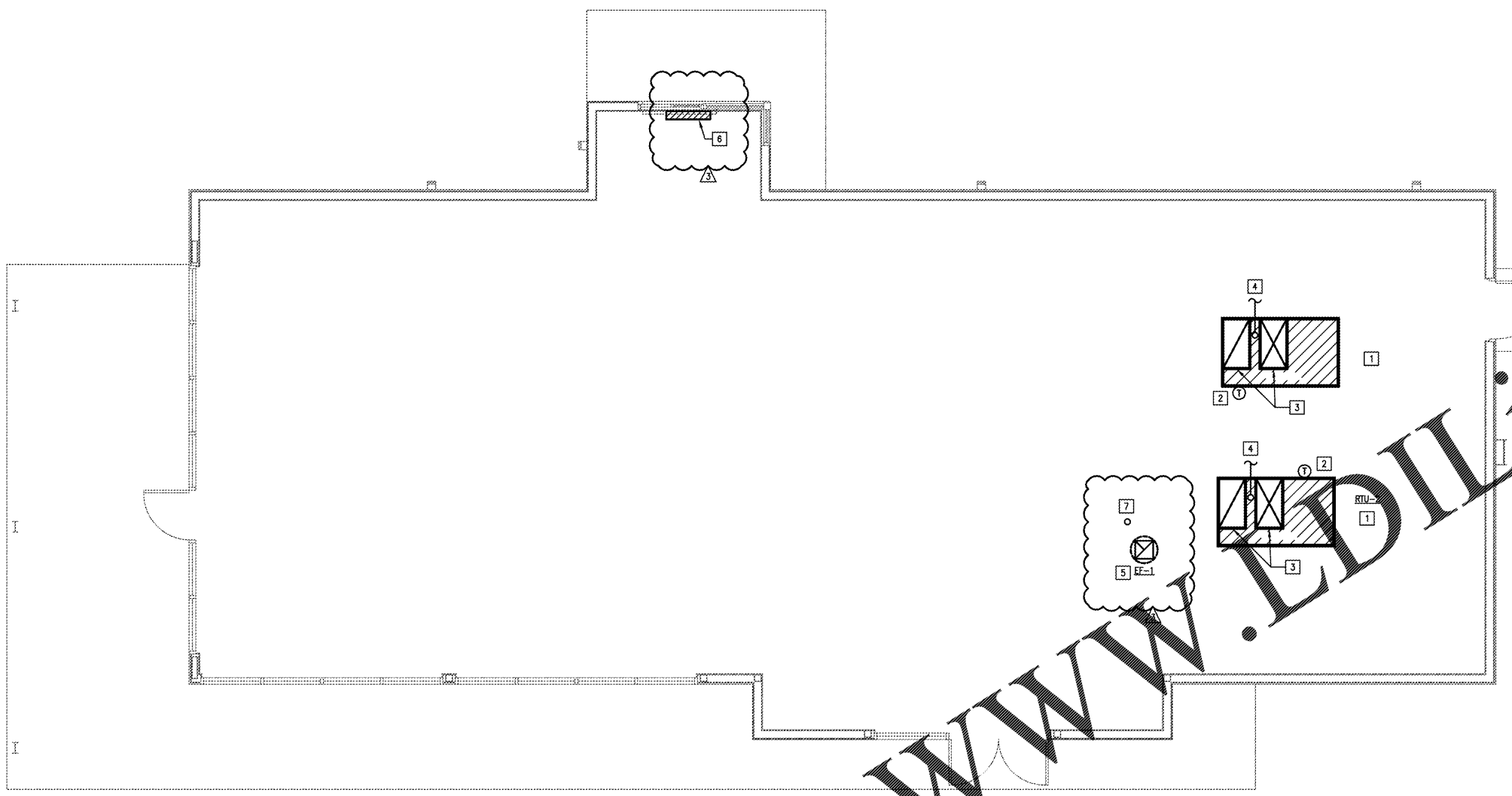
SHEET  
**M201**  
MECHANICAL  
FLOOR PLAN

**GENERAL NOTES:**

- A. FIELD VERIFY ALL EXISTING CONDITIONS. NO ALLOWANCES WILL BE MADE FOR LACK OF KNOWLEDGE OF EXISTING CONDITIONS. REPORT ANY DEFICIENCIES TO AOS ENGINEERING.
- B. VERIFY ALL NEW MECHANICAL EQUIPMENT DOES NOT AFFECT STRUCTURAL INTEGRITY OF EXISTING BUILDING WITH STRUCTURAL ENGINEER BEFORE CONSTRUCTION.
- C. CONTRACTOR SHALL MAINTAIN 15'-0" MINIMUM DISTANCE BETWEEN ALL EXHAUST TERMINATIONS AND INTAKE AIR LOCATIONS.
- D. ALL MECHANICAL INSTALLATIONS SHALL BE IN STRICT COMPLIANCE WITH THE 2018 INTERNATIONAL MECHANICAL, 2018 INTERNATIONAL ENERGY CONSERVATION CODES AND ALL LOCAL GOVERNING AUTHORITIES HAVING JURISDICTION.
- E. ALL INSTALLATIONS SHALL COMPLY WITH THE INTERNATIONAL ENERGY CONSERVATION CODE 2018. EQUIPMENT EFFICIENCIES SHALL MEET MINIMUM REQUIREMENTS. DUCT INSULATION IN UNCONDITIONED SPACES SHALL HAVE A MINIMUM OF R5 VALUE. OUTDOOR INSULATION SHALL HAVE MINIMUM R8 VALUE.
- F. ALL THERMOSTATS, SENSORS, CONTROLS, AND CONTROL WIRING (50 FEET OR LESS) SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
- G. CONTRACTOR TO PROVIDE FLASHING THROUGH ROOF PENETRATIONS FOR ALL TENANT VENTS INCLUDING TENANT SUPPLIED WATER HEATER AND REMOVE ROOF TOP CONDENSING UNITS PER TENANT CD'S.
- H. PROVIDE SLEEPERS, CLIPS AND PANS TO SUPPORT TENANT SUPPLIED ROOF TOP EQUIPMENT.

**KEY NOTES:**

- 1. PROVIDE AND INSTALL NEW ROOFTOP UNIT PER ROOFTOP UNIT SCHEDULE AS SHOWN ON SHEET M-2. COORDINATE EXACT PLACEMENT WITH LANDLORD PRIOR TO CONSTRUCTION. MAINTAIN MINIMUM OF 12" FROM EDGE OF ELEVATED ROOF SURFACE. INSTALL PER THE MANUFACTURER INSTALLATION INSTRUCTIONS AND PROVIDE ALL MANUFACTURER REQUIRED CLEARANCES FOR MAINTENANCE AND ACCESS. FIELD INSTALL CURB ADAPTER AS REQUIRED.
- 2. PROVIDE A HONEYWELL T7300 THERMOSTAT WITH 50 FT. OF COILED UP STAT WIRE FOR FUTURE LOCATION.
- 3. DROP THE SUPPLY AND RETURN AIR PLENUMS DOWN TO 24" BELOW ROOF BEAMS AND/OR JOIST. EXTENSIONS SHALL BE BY OTHERS IN THE FINISH OUT. SEAL ROOF PENETRATIONS WEATHER TIGHT AND MAINTAIN ALL ROOF WARRANTIES.
- 4. ROUTE 1" CONDENSATE DOWN THROUGH ROOF FROM ROOF TOP UNIT TO NEAREST FLOOR OR HUB DRAIN. ROUTE CONDENSATE WITH A SLOPE OF 1/8" PER FOOT OF HORIZONTAL PIPING. TURN PIPING AT WALL AND TERMINATE A MINIMUM OF 2 PIPE DIAMETERS ABOVE DRAIN. REFER TO PLUMBING DRAWINGS FOR LOCATIONS OF DRAINS.
- 5. TENANT TO PROVIDE NEW EXHAUST FAN ON 14" INSULATED CURB PER THE MANUFACTURER'S INSTRUCTIONS AND INSTALL A MINIMUM OF 15'-0" AWAY FROM ANY OUTSIDE AIR INTAKES.
- 6. TENANT TO PROVIDE AIR CURTAIN. INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS.
- 7. TENANT PROVIDED VENT FOR FUTURE PLUMBING EQUIPMENT. REFER TO PLUMBING DRAWINGS FOR MORE INFORMATION.



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

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CONTRACTOR SHALL COORDINATE  
MEP DRAWINGS WITH ALL OTHER  
DISCIPLINES

AOS JOB #: 25668-002-19