



ERV SEQUENCE OF OPERATIONS:
SPACE OCCUPIED (HOURS OF OPERATION):
ERV SHALL RUN CONTINUOUSLY TO PROVIDE CODE
REQUIRED OUTDOOR AIR TO THE SPACE. EXHAUST
AND OUTDOOR AIR MOTORIZED DAMPERS SHALL BE
FULLY OPEN.
EXISTING FURNACES SHALL CYCLE TO MAINTAIN
SPACE SETPOINT.
SPACE UNOCCUPIED (SPACE CLOSED):
ERV SHALL SHUT OFF. EXHAUST AND OUTDOOR AIR
MOTORIZED DAMPERS SHALL SHUT.
EXISTING FURNACES SHALL CYCLE TO MAINTAIN
SPACE SETPOINT.

GENERAL NOTES

(NOT ALL NOTES APPLY)

1. REFERENCE SHEET M101 FOR GENERAL NOTES, SYMBOLS,
AND ABBREVIATIONS.

KEYED NOTES:

- EXISTING FURNACE AND ASSOCIATED CONDENSING UNIT
ON ROOF TO REMAIN. BALANCE SUPPLY AIR TO 1950 CFM.
- PROVIDE 48"x12" OPENING IN TOP OF RETURN AIR DUCT.
COVER OPENING WITH 1/2"x1/2" GALVANIZED HARDWARE
CLOTH. MAINTAIN MINIMUM 5' UNOBSTRUCTED FREE
AREA ABOVE OPENING FOR AIRFLOW.
- PROVIDE 16"x20" OPENING IN TOP OF RETURN/EXHAUST
DUCT FOR ERV-1. MAINTAIN MINIMUM 5' UNOBSTRUCTED
FREE AREA ABOVE OPENING FOR AIRFLOW.
- PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT WITH
AUTO-CHANGEOVER BETWEEN HEATING AND COOLING.
MOUNT THERMOSTAT AT 48" AFF. VERIFY FINAL
THERMOSTAT LOCATION WITH OWNER.
- MOUNT EXHAUST GRILLE ON BOTTOM OF DUCT.
- PROVIDE VAULT COOLER CONDENSER WITH WALL
BRACKETS. MAINTAIN ALL MANUFACTURER REQUIRED
CLEARANCES FOR OPERATION, SERVICE, AND AIRFLOW.
- PROVIDE LOUVERED GRILLE IN DOOR WITH MINIMUM FREE
AREA OF 0.35 FT².



ITAP - LEE'S SUMMIT

228 SW MAIN ST.
LEE'S SUMMIT, MO 64063

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△ CITY COMMENTS	03/22/23
△ LL COMMENTS	04/13/23
△ OWNER REVISIONS	05/31/23

PROFESSIONAL SEAL

M201

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MECHANICAL PLAN

PERMIT DOCUMENTS