



- MECHANICAL PLAN NOTES:**
- TYPE I HOODS SHALL BE FURNISHED COMPLETE WITH INTERNALLY PIPED FIRE SUPPRESSION SYSTEM AND EXTERNAL FOAM SUPPLY BOTTLES WITH REMOTE PULL CONTROLS AND IN COMPLIANCE WITH NFPA 96, DIVISION 23 SHALL COORDINATE COMPLETE INSTALLATION WITH FIRE PROTECTION CONTRACTOR TO MEET APPROVAL OF LOCAL INSPECTOR AND CODE COMPLIANCE INCLUDING TESTING.
  - MOUNT THERMOSTATS AND TEMPERATURE SENSOR(S) ON WALL. THERMOSTATS AND SENSOR(S) SHALL BE LABELED TO MATCH THE UNIT TAG AND CORRESPOND TO THE ELECTRICAL LEGEND IN THE ELECTRICAL PANELBOARD SERVING THE EQUIPMENT. COORDINATE COLOR WITH ARCHITECT.
  - COMBINATION TEMPERATURE SENSOR AND HUMIDITY SENSOR.
  - CARBON MONOXIDE DETECTOR FURNISHED BY OWNER. INSTALL AT 5'-0" AFF. COORDINATE FINAL LOCATION WITH OWNER REPRESENTATIVE.
  - PROVIDE ANALOX AX80 OR APPROVED EQUAL CARBON DIOXIDE SENSOR WITH REMOTE ALARM REPEATER TO BE MOUNTED AT 18" AFF. PROVIDE CARBON DIOXIDE SENSOR WITH RELAY. RELAY SHALL BE INTERLOCKED WITH THE BUILDING FIRE ALARM SYSTEM. THE SENSOR SHALL BE EQUIPPED WITH A LOCAL AUDIBLE AND VISUAL ALARM. THE LOW LEVEL ALARM SHALL ACTIVATE THE LOCAL AUDIBLE AND VISUAL ALARM. THE HIGH LEVEL ALARM SHALL ACTIVATE RELAY. INSTALL SENSOR PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
  - MOUNT TEMPERATURE SENSOR PROVIDED WITH KITCHEN EXHAUST HOODS ON WALL.
  - INSTALL HOOD FIRE SUPPRESSION MANUAL PULL STATION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH FIRE SUPPRESSION SYSTEM INSTALLER AND THE AUTHORITY HAVING JURISDICTION.
  - 10"X10" GREASE DUCT UP THRU ROOF TO KEF-1. REF M150 FOR CONTINUATION. PROVIDE TRANSITION AS REQUIRED TO MAKE FULL SIZE CONNECTION TO FAN.
  - 9"X8" GREASE DUCT UP THRU ROOF TO KEF-2. REF M150 FOR CONTINUATION. PROVIDE TRANSITION AS REQUIRED TO MAKE FULL SIZE CONNECTION TO FAN.
  - TYPE I GREASE HOOD EXHAUST DUCTWORK SHALL BE MINIMUM 16 GAUGE STEEL OR MINIMUM 18 GAUGE STAINLESS STEEL WITH LIQUID TIGHT WELDS. INSTALL ACCESS PANELS FOR CLEANING AS REQUIRED BY NFPA 96 AND LOCAL CODES. TRANSITION GREASE DUCTWORK AS REQUIRED TO HOOD AND FAN CONNECTIONS. PROVIDE 45" MAX OFFSETS AS REQUIRED TO COORDINATE WITH STRUCTURE. PROVIDE RADIUS ELBOWS WITHOUT TURNING VANES. SLOPE HORIZONTAL GREASE DUCT BACK TOWARDS HOOD AT MINIMUM OF 1/4" PER LINEAL FOOT. GREASE DUCTS SHALL BE CONTAINED IN A UL APPROVED GREASE DUCT WRAP SYSTEM.
  - INSTALL "DUCTMATE ULTIMATE DOOR" GREASE DUCT ACCESS PANELS FOR CLEANING IN LOCATION SHOWN AT A MINIMUM AND AS REQUIRED BY NFPA 96 AND LOCAL CODES.
  - REFRIGERANT PIPING UP TO CU-1 ON ROOF. REF 1M150.
  - UP TO EF-1 ON ROOF.
  - PROVIDE SA DUCT THROUGH ROOF. FULL SIZE OF UNIT OPENING, AND CONNECT TO UNIT WITH FLEXIBLE CONNECTOR.
  - INSTALL DUCT SMOKE DETECTOR IN RETURN AIR PLENUM.
  - 60 DEGREE TRANSITION DOWN TO SA DUCT.
  - 60 DEGREE TRANSITION DOWN TO RA DUCT.

ALL GREASE DUCT TO BE WATER TESTED BY ENVIROMATIC AT MECHANICAL CONTRACTOR'S EXPENSE. CONTACT OWNER'S NATIONAL ACCOUNT VENDOR

ENVIROMATIC  
DON FLEDERER  
1.800.325.8476  
INSPECTIONS@ENVIROMATIC.COM

THE BUILDINGS HVAC SYSTEM SHALL BE BALANCED BY NATIONAL TAB (NO EXCEPTIONS) AND CONTRACTED BY THE GENERAL CONTRACTOR.

CONTACT:  
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PROVIDE GREASE DUCT WRAP TO MEET EXCEPTION 3 OF SECTION 506.3.6 OF THE 2015 IMC WRAP GREASE DUCT FROM NECK TO EXHAUST FAN INCLUDING WITHIN CURB WITH 3M FIRE WRAP. REFERENCE SPECS ON SHEET M591.

HOODS TO BE INSTALLED TO COMPLY WITH SECTION 507.2.6 OF THE 2015 IMC. REFER TO SHEET M701 FOR INCLUDED INTERNAL STANDOFFS TO MEET THE EXCEPTION OF THE CODE.

**MECHANICAL FLOOR PLAN**  
1/4" = 1'-0"

NO.	BY	DATE	DESCRIPTION
C		2021-10-18	ISSUE FOR CONSTRUCTION
B		2021-06-10	ADDENDUM B
A		2021-05-25	ADDENDUM A
		2021-03-15	BID/PERMIT SET
		2021-02-23	75% SET
		2020-11-16	DD SET



SHAKE SHACK -  
CHESTERFIELD MO

17312 CHESTERFIELD AIRPORT ROAD  
CHESTERFIELD, MO 63005  
SHACK #1352

PERMIT SET

MECHANICAL FLOOR  
PLAN

DRAWN BY: AJP  
CHECKED BY: BLM  
JOB NO: 20087.00

**M101**