

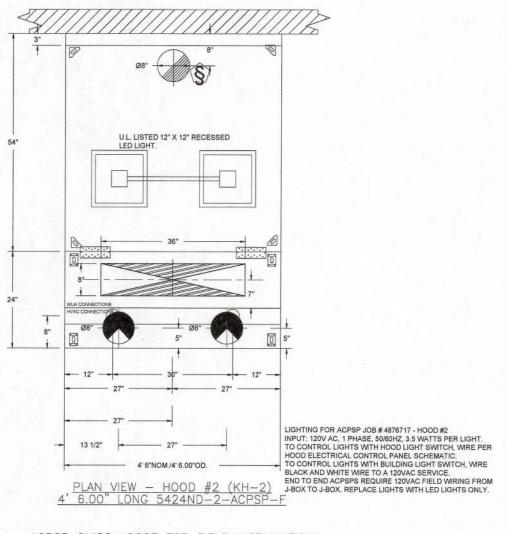
KITCHEN EXHAUST DUCTWORK:

- 1. KITCHEN HOOD EXHAUST DUCTWORK SHALL BE CAPTIVE AIRE MODEL DW-2R FACTORY-BUILT DOUBLE-WALL GREASE DUCT FOR USE WITH TYPE I KITCHEN HOODS. DUCTWORK SHALL CONFORM TO THE REQUIREMENTS OF NFPA 96 AND BE ETL LISTED TO UL-1978 AND UL-2221 FOR VENTING AIR AND GREASE VAPORS FROM COMMERCIAL COOKING OPERATION. DOUBLE-WALL GREASE DUCT SHALL BE LISTED FOR A CONTINUOUS INTERNAL TEMPERATURE OF 500 DEGREES F AND INTERMITTENT TEMPERATURES OF 2,000 DEGREES F.
- 2. DUCT SECTIONS SHALL BE CONSTRUCTED OF AN INNER DUCT WALL AND AN OUTER WALL WITH INSULATION IN BETWEEN. THE INNER DUCT WALL SHALL BE CONSTRUCTED OF .036 INCH THICK, 430 TYPE STAINLESS STEEL. THE OUTER WALL SHALL BE CONSTRUCTED OF STAINLESS STEEL AT A MINIMUM OF .024 INCH THICKNESS. THE DUCT BASED ON MODEL NUMBER, SHALL INCLUDE LAYERS OF SUPER WOOL 607 PLUS INSULATION BETWEEN THE INNER AND OUTER WALL. GREASE DUCT JOINTS SHALL BE HELD TOGETHER BY MEANS OF FORMED V CLAMPS AND SEALED WITH 3M FIRE BARRIER 2000+. THE DUCT WALL ASSEMBLY SHALL BE TESTED AND LISTED AT 3/4 INCH CLEARANCE TO COMBUSTIBLES.

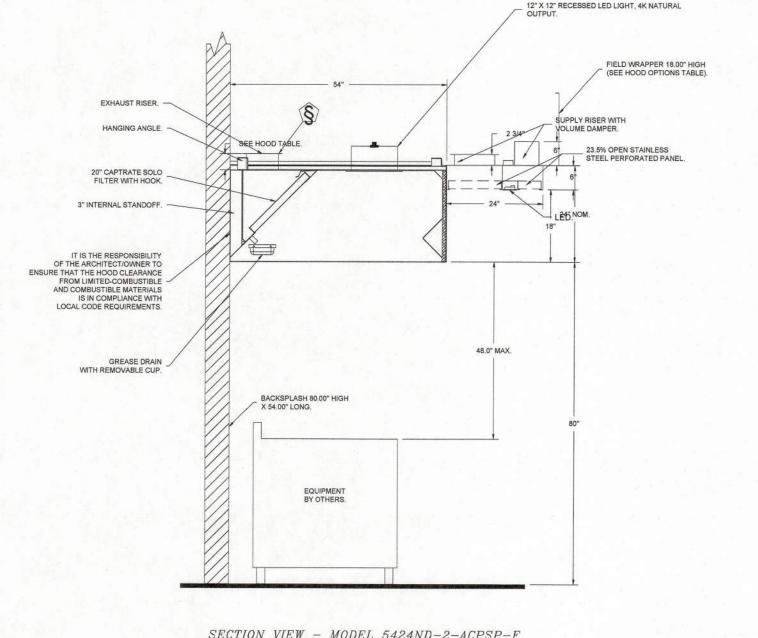
KITCHEN EXHAUST SYSTEM NOTES:

- 1. KITCHEN HOOD SHALL BE <u>CAPTIVE AIRE MODEL ND</u> WITH ENERGY MANAGEMENT SYSTEM PACKAGE AS MANUFACTURED BY CAPTIVE—AIRE, PERFORATED SUPPLY PLENUM, COMPLETE WITH FIRE SUPPRESSION SYSTEM, AND ALL COMPONENTS AS REQUIRED FOR A COMPLETE U.L. LISTED HOOD.
- 2. SUPPORT HOOD WITH 1/2" DIAMETER THREADED RODS, NUMBER AS REQUIRED BY HOOD MANUFACTURER. PROVIDE WASHERS, NUTS, AND JAMB NUTS AS REQUIRED.
- 3. SPAN WOOD JOISTS WITH 3" STEEL CHANNEL. ATTACH 1/2" THREADED RODS WITH WASHERS, NUTS, AND JAMB NUTS AS REQUIRED.
- 4. THE HOOD EXHAUST FAN SHALL CONTINUE TO OPERATE AFTER EXTINGUISHING SYSTEM ACTIVATION.
- 5. ALL KITCHEN EXHAUST FANS, HOODS, CURBS, FIRE SUPPRESSION SYSTEM, ETC. SHALL BE SUPPLIED BY OWNER AND
- INSTALLED BY CONTRACTOR. RE: SP2 FOR LIST OF OWNER-SUPPLIED EQUIPMENT. 6. KITCHEN TYPE I EXHAUST HOODS SHALL BE UL LISTED (SEE UL LISTING DESCRIPTION).
- 7. JOINTS AND SEAMS ON EXHAUST HOODS SHALL BE SEALED LIQUID-TIGHT.
- 8. EXHAUST FAN MOTOR SHALL BE LOCATED OUTSIDE OF THE EXHAUST DUCT. EXHAUST DISCHARGE MUST TERMINATE AT LEAST 40 INCHES ABOVE THE HIGHEST POINT THE SURFACE OF THE ROOF MEETS THE DUCT.
- 9. THE MAKE-UP AIR FAN SHALL BE ELECTRICALLY INTERLOCKED WITH THE HOOD EXHAUST FAN FOR SIMULTANEOUS OPERATION UNDER NORMAL OPERATING CONDITIONS.
- 10. ALL OUTSIDE AIR INTAKES SHALL BE LOCATED A MINIMUM OF 10'-0" AWAY FROM THE EXHAUST DUCT TERMINATION.
- 11. FOR LISTED HOODS, A 6" OVERHANG MINIMUM IS REQUIRED ON ALL SIDES OF EQUIPMENT.

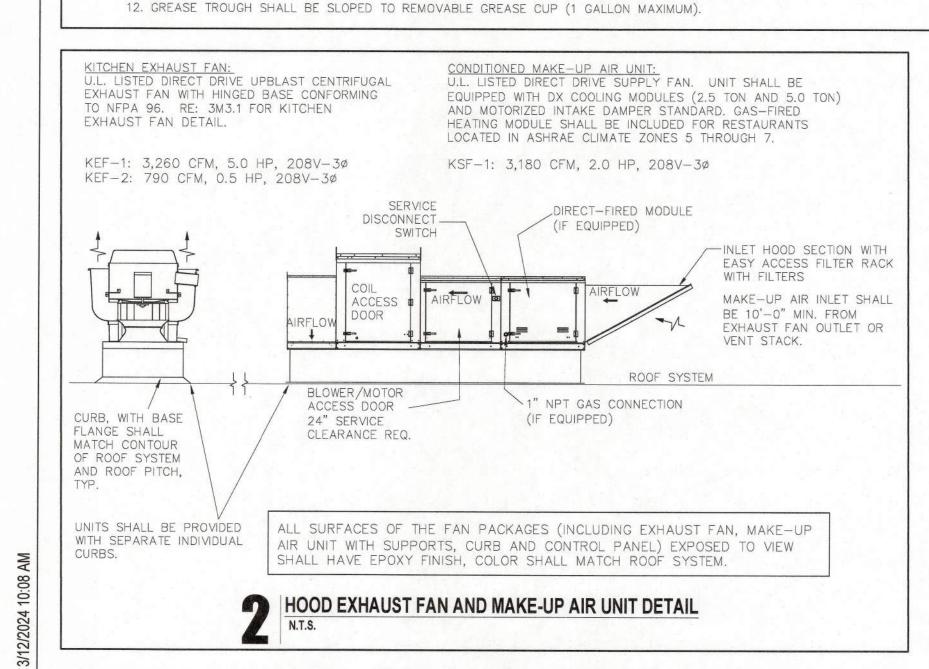
- 13. MINIMUM CLEARANCE TO COMBUSTIBLES SHALL BE OBSERVED FOLLOWING NFPA 96 GUIDELINES: 18" FOR UNENCLOSED COMPONENTS, AS PER THE LISTING REQUIREMENTS OF ANY COMPONENT LISTED FOR LESS THAN 18", AND 9" OR 3" WHERE A PERMITTED CLEARANCE REDUCTION SYSTEM IS USED AS PRESCRIBED BY NFPA 96.
- 14. EXHAUST HOOD METAL SHALL BE A MINIMUM OF 18 GA ALUMINIZED STEEL AND 20 GA STAINLESS STEEL.
- 15. DISTANCE FROM THE FLOOR TO THE BOTTOM OF THE HOOD ON A CANOPY EXHAUST HOOD SHALL BE 75" 84".
- 16. DISTANCE FROM THE COOKING SURFACE TO THE BOTTOM OF THE FILTER SHALL BE GREATER THAN 18".
- 17. CLEANOUTS ON THE EXHAUST DUCT SHALL BE PROVIDED AT ALL CHANGES OF DIRECTION AND 20 FOOT INTERVALS
- ON ALL HORIZONTAL RUNS.
- 18. CLEANOUTS ON THE EXHAUST DUCT SHALL HAVE A MINIMUM DIMENSION OF 12" X 12".
- 19. AN AUTOMATIC SUPPRESSION SYSTEM COMPLYING WITH UL300 SHALL BE INSTALLED IN THE KITCHEN HOOD SYSTEM. PROVIDED BY MECHANICAL CONTRACTOR. SUBMIT KITCHEN HOOD FIRE SUPPRESSION SYSTEM SHOP DRAWINGS TO THE STATE FIRE MARSHAL'S OFFICE OR AUTHORITY HAVING JURISDICTION FOR REVIEW, BEFORE BEGINNING INSTALLATION.
- 20. IF A FIRE ALARM IS PROVIDED, THE AUTOMATIC SUPPRESSION SYSTEM SHALL BE CONNECTED TO THE FIRE ALARM SYSTEM BY THE CONTRACTOR RESPONSIBLE FOR THE INSTALLATION OF THE FIRE ALARM SYSTEM.
- 21. ACTIVATION OF THE SUPPRESSION SYSTEM SHALL AUTOMATICALLY SHUT OFF ALL FUEL AND HEAT COMPONENTS TO ALL EQUIPMENT UNDER THE HOOD.
- 22. MANUAL ACTIVATION FOR THE SUPPRESSION SYSTEM SHALL BE LOCATED AT LEAST 10' BUT NOT MORE THAN 20' AWAY FROM THE EXHAUST HOOD, IN THE PATH OF EGRESS. SEE DRAWING M1.1 FOR PULL STATION LOCATION.
- 23. HORIZONTAL EXHAUST DUCT SHALL SLOPE NOT LESS THAN 1" PER FOOT TOWARD HOOD.
- 24. HOOD EXHAUST FANS SHALL BE PROVIDED WITH SAFE ACCESS AND A WORK SURFACE FOR INSPECTION AND CLEANING.
- 25. THE OPERATION OF THE SUPPRESSION SYSTEM SHALL AUTOMATICALLY SHUT OFF THE MAKE-UP AIR FAN AND ALL SOURCES OF FUEL AND ELECTRIC POWER THAT PRODUCE HEAT TO PROTECTED EQUIPMENT. EXHAUST FAN SHALL REMAIN ACTIVE THROUGH SUPPRESSION SYSTEM DEPLOYMENT.
- 26. KITCHEN HOOD SHALL BE EQUIPPED WITH HEAT SENSOR FOR AUTOMATIC START OF EXHAUST FAN AND MAKE-UP AIR FAN.
- 27. ALL KITCHEN HOOD EQUIPMENT AND ITS INSTALLATION SHALL COMPLY WITH NFPA 96.

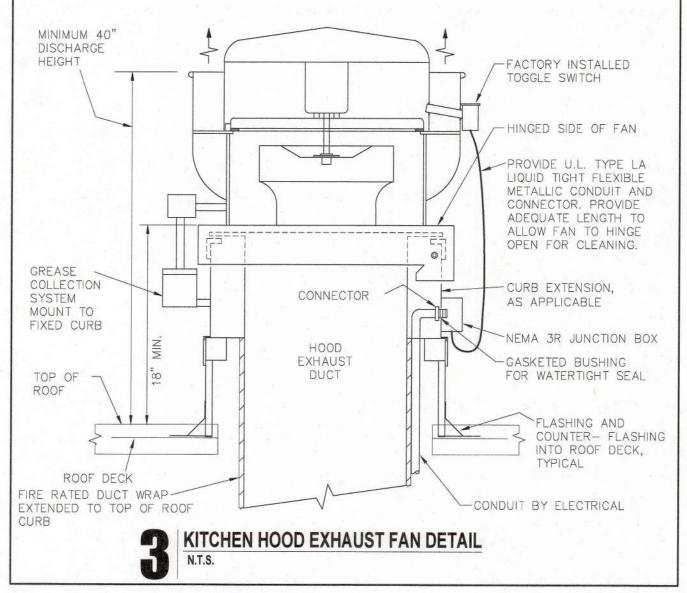


ACPSP SHIPS LOOSE FOR FIELD INSTALLATION



SECTION VIEW - MODEL 5424ND-2-ACPSP-F





Restaurant:

Raising Cane's Restaurant #C1148 Hwy 16 & Braund St La Crosse, WI 54560 P4-V-AV (A)

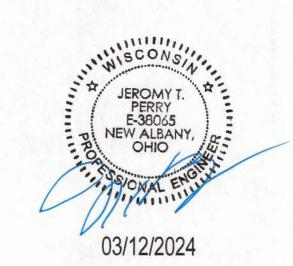
Designer's Information:

S SHREMSHOCK

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Prototype Phase:	20
Project Issue Date:	00-00-00
SAI Project Manager:	Р

100% SUBMISSION



Sheet Versions:			
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Sheet Title:

Kitchen Hood Details

Sheet Number:

SAI Job Number: 230372