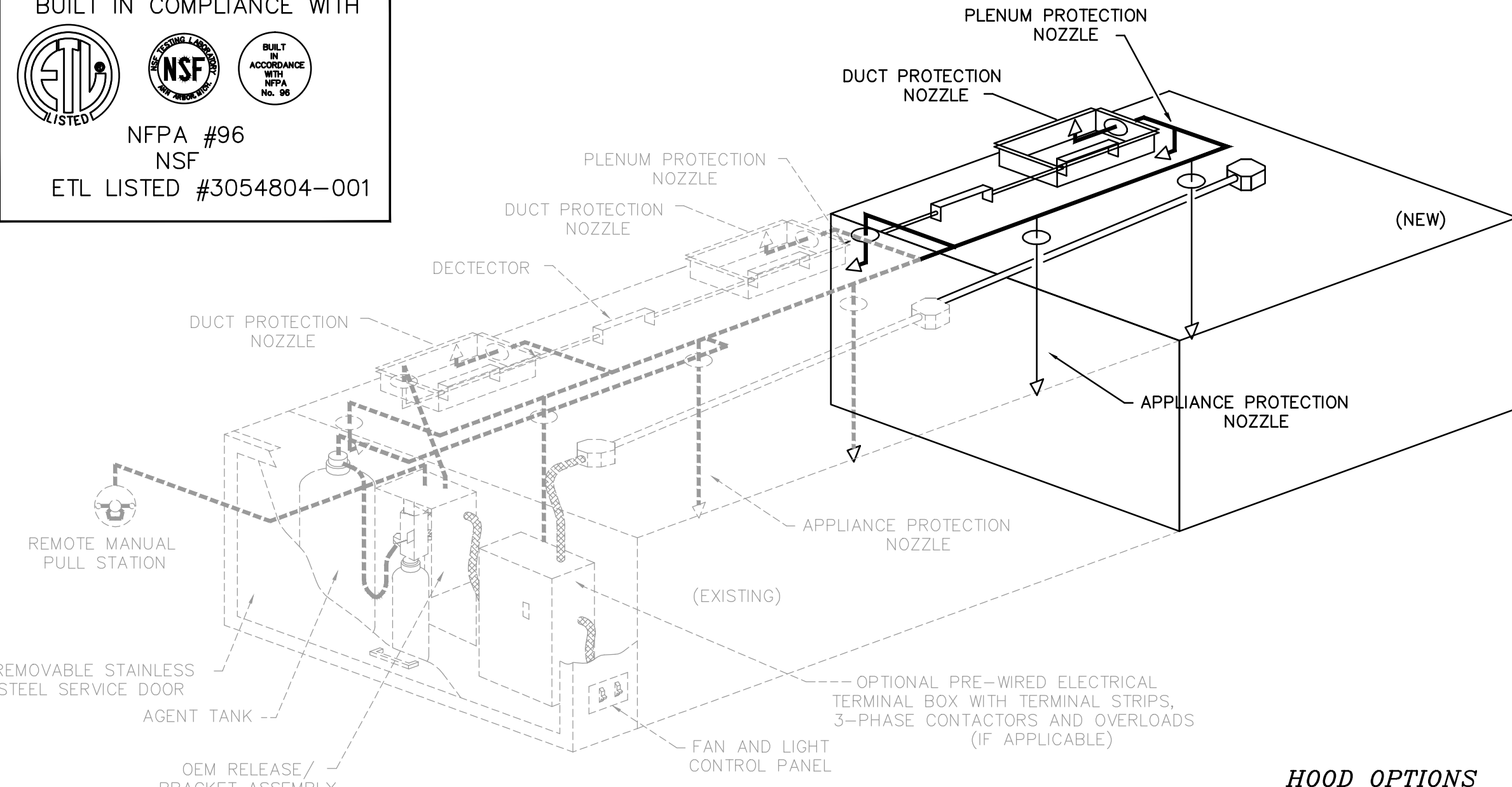


CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH

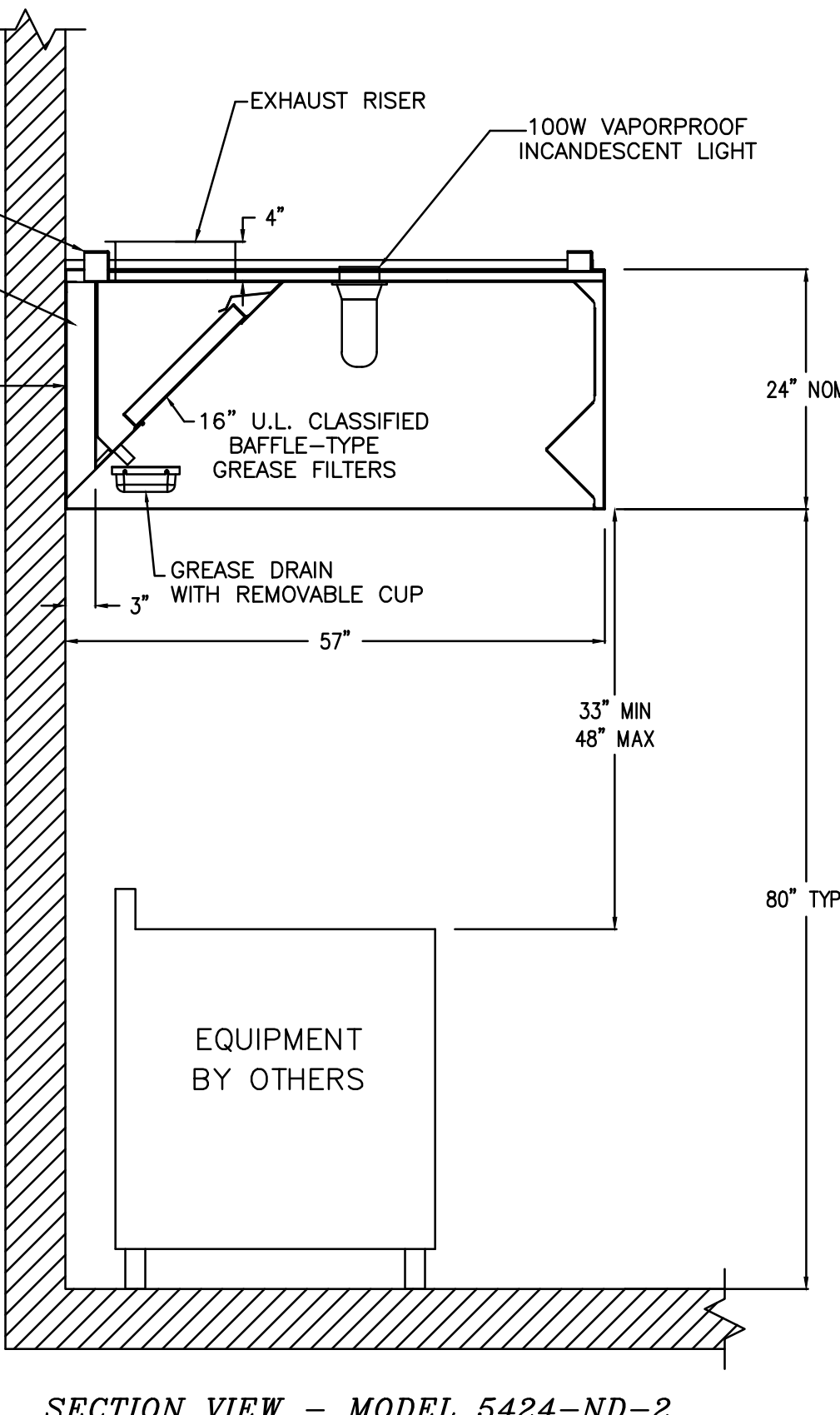
NFPA #96  
NSF  
ETL LISTED #3054804-001



IT IS THE RESPONSIBILITY OF THE ARCHITECT/OWNER TO ENSURE THAT THE HOOD CLEARANCE FROM LIMITED-COMBUSTIBLE AND COMBUSTIBLE MATERIALS IS IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS

**HOOD OPTIONS**

HOOD NO.	OPTION
2	BACKSPASH 80.00" High X 120.00" Long 304 SS
	FIELD WRAPPER 18.00" High Front, Right.



**HOOD INFORMATION**

HOOD NO.	TYPE	FILTER(S)	QTY.	HEIGHT	LENGTH	QTY.	TYPE	WIRE GUARD	LOCATION	FIRE SYSTEM	SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	LOCATION	FIRE SYSTEM WIRING
2	SS Baffle with Handles		6	16"	20"	3	Incandescent Light	NO							

**HOOD INFORMATION**

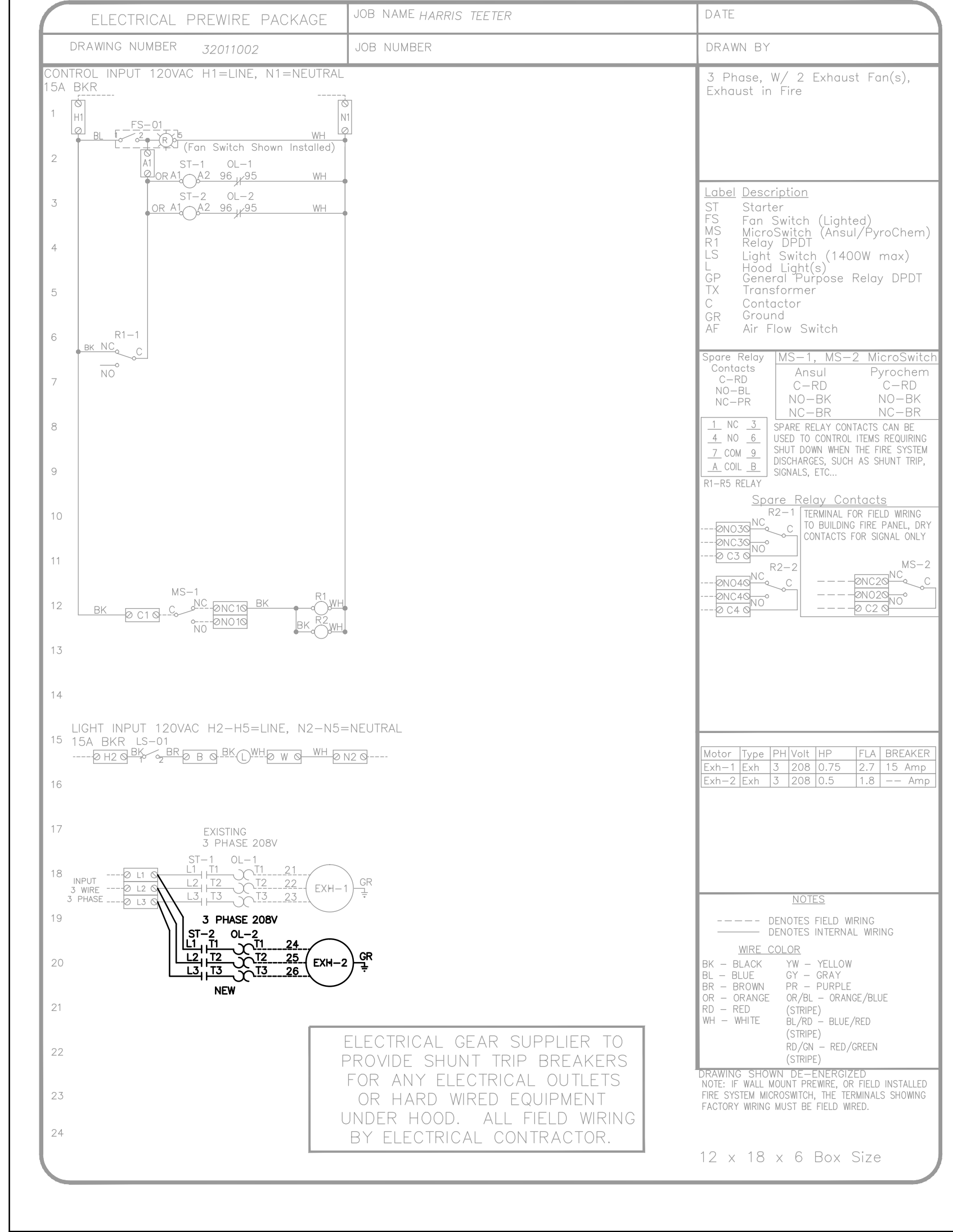
HOOD NO.	MODEL	LENGTH	MAX. COOKING TEMP.	EXHAUST PLENUM				SUPPLY PLENUM				HOOD CONSTRUCTION	HOOD CONFIG. END TO END	ROW	
				TOTAL EXH. CFM	WIDTH	LENG. DIA.	RISER(S) DIA.	TOTAL SUPP. CFM	WIDTH	LENG. DIA.	RISER(S) DIA.				
2	5424 ND-2	10' 0.00"Nom / 10' 0.00"OD	600 Deg.	2250	10"	20"	2250	-0.375"	0				304 SS Where Exposed	RIGHT	N/A

**CAPTIVE-AIRE**

**JOB HARRIS TEETER**

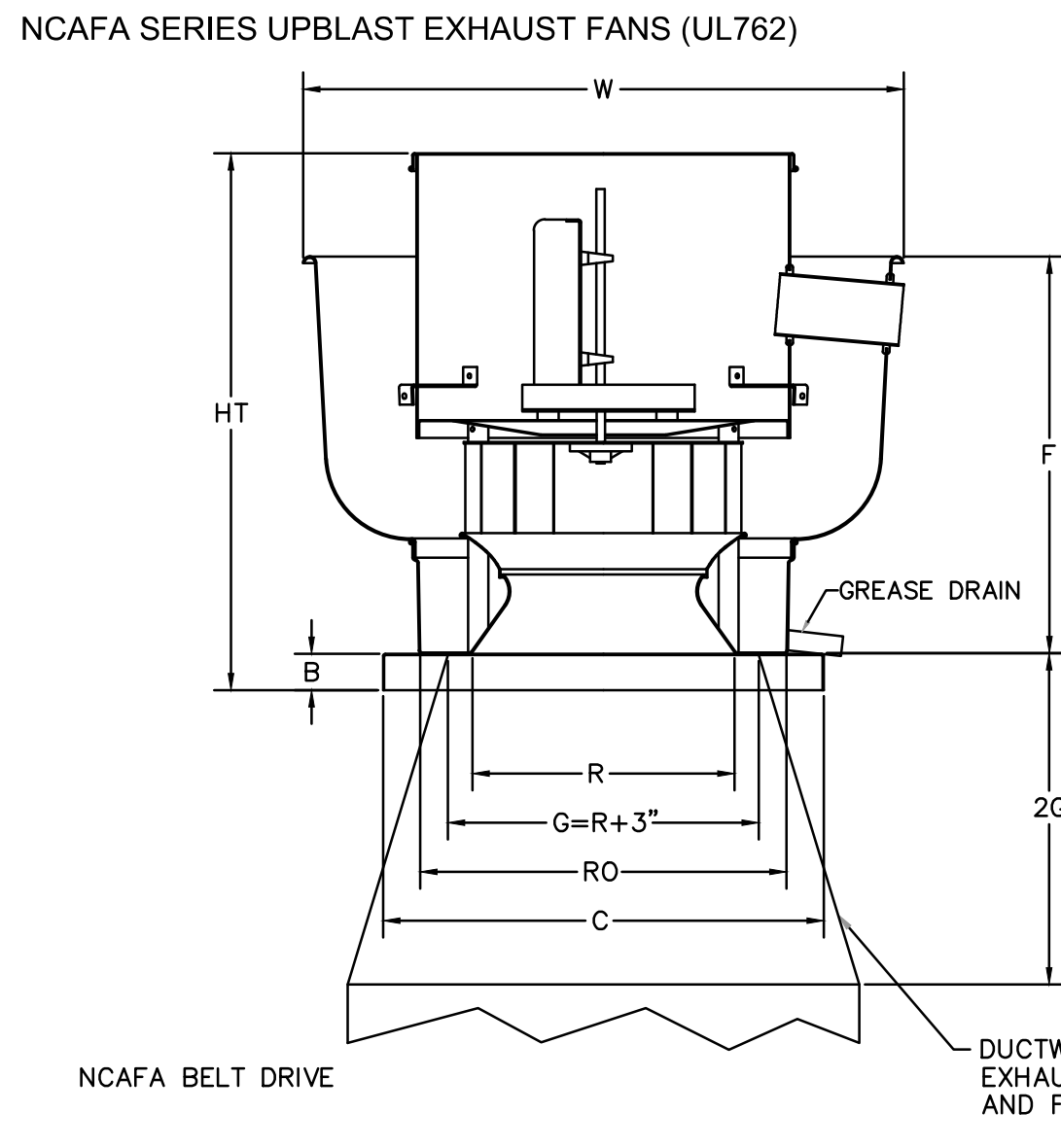
LOCATION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
DWG # D11HAR1K  
REV. \_\_\_\_\_

JOB # \_\_\_\_\_  
DRAWN BY \_\_\_\_\_  
SCALE \_\_\_\_\_



**ELECTRICAL PACKAGES**

NO.	TAG	PACKAGE #	LOCATION	SWITCHES		ROOFTOP STARTERS	OPTION	FANS CONTROLLED				
				LOCATION	QUANTITY			TYPE	#	H.P.	VOLT.	FLA
1		32011002	Utility Cabinet Left Hood # 1	Utility Cabinet Left Hood # 1	1 Light 1 Fan		Exhaust in Fire	Exhaust	3	0.750	208	2.7



**FEATURES:**

- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL762
- AMCA SOUND AND AIR CERTIFIED
- WIRING FROM MOTOR TO DISCONNECT SWITCH
- WEATHERPROOF DISCONNECT
- HIGH HEAT OPERATION 300°F (149°C)
- GREASE CLASSIFICATION TESTING

**NORMAL TEMPERATURE TEST:** EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

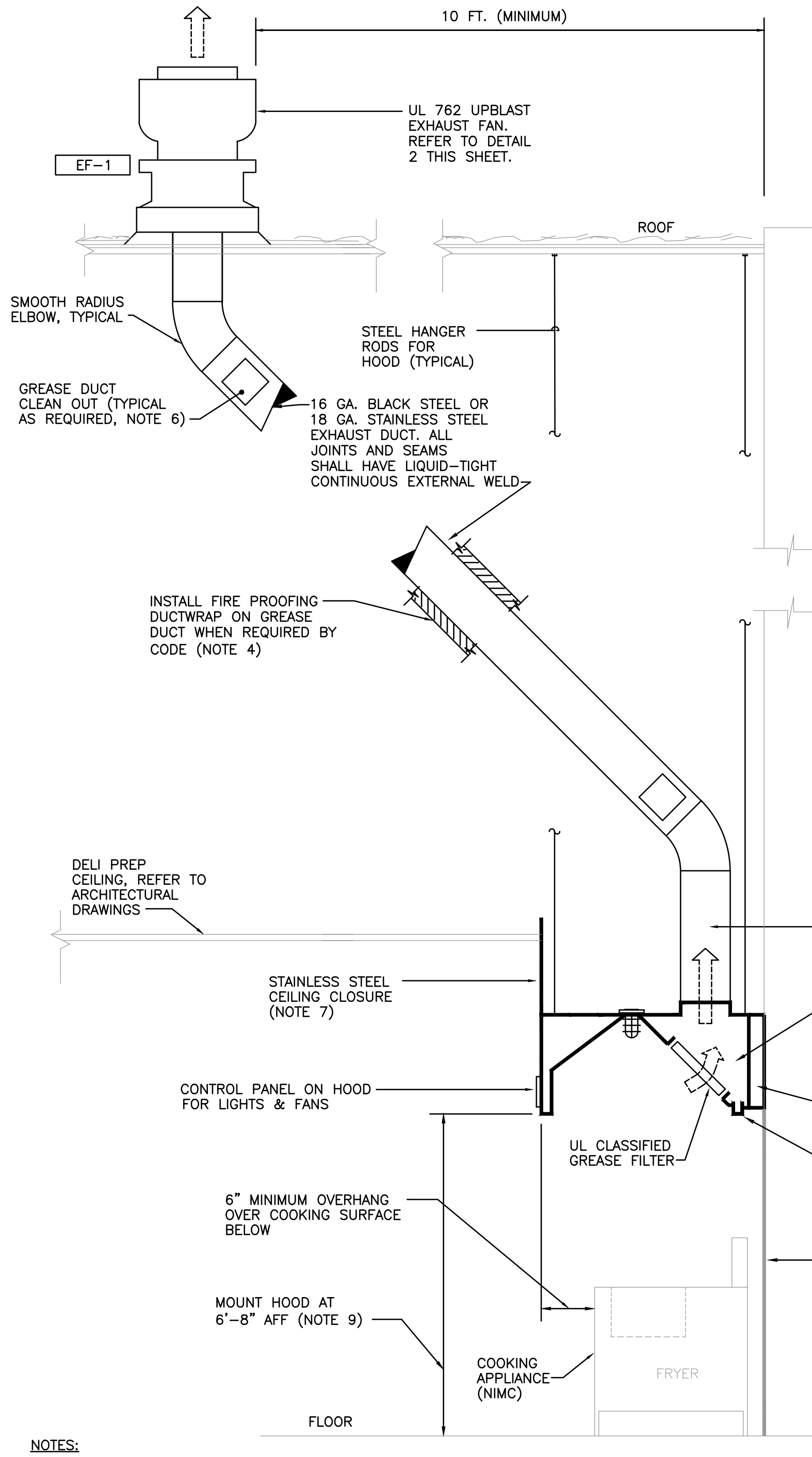
**ABNORMAL FLARE-UP TEST:** EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

**OPTIONS:**

- GREASE BOX
- HINGED FAN
- PITCHED CURB
- INSULATED CURB

**DUCTWORK BETWEEN EXHAUST RISER ON HOOD AND FAN (BY OTHERS)**

**PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.**  
SPECIFY PITCH: EXAMPLE: 7/12 PITCH = 30° SLOPE



**HOOD FIRE SUPPRESSION SYSTEMS**

A. PROVIDE A UL LISTED, PRE-ENGINEERED FIRE SUPPRESSION SYSTEM FOR PROTECTION OF THE DUCT, PLENUM, FILTERS AND APPLIANCES FOR ALL GREASE-LADEN EXHAUST SYSTEMS (VERIFY COOKING EQUIPMENT LINE-UP WITH OWNER).

B. HOOD FIRE SUPPRESSION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL JURISDICTION AND ALL APPLICABLE CODES AND REGULATORY AGENCIES. INSTALLATION OF THE SYSTEM SHALL BE PERFORMED ONLY BY A FIRE SYSTEM DISTRIBUTOR TRAINED AND QUALIFIED TO INSTALL THE SPECIFIC SYSTEM BEING PROVIDED. THE FIRE SYSTEM DISTRIBUTOR SHALL SUBMIT PLANS AND ACQUIRE ALL PERMITS AND APPROVALS NECESSARY FOR PROPER INSTALLATION AND FINAL ACCEPTANCE.

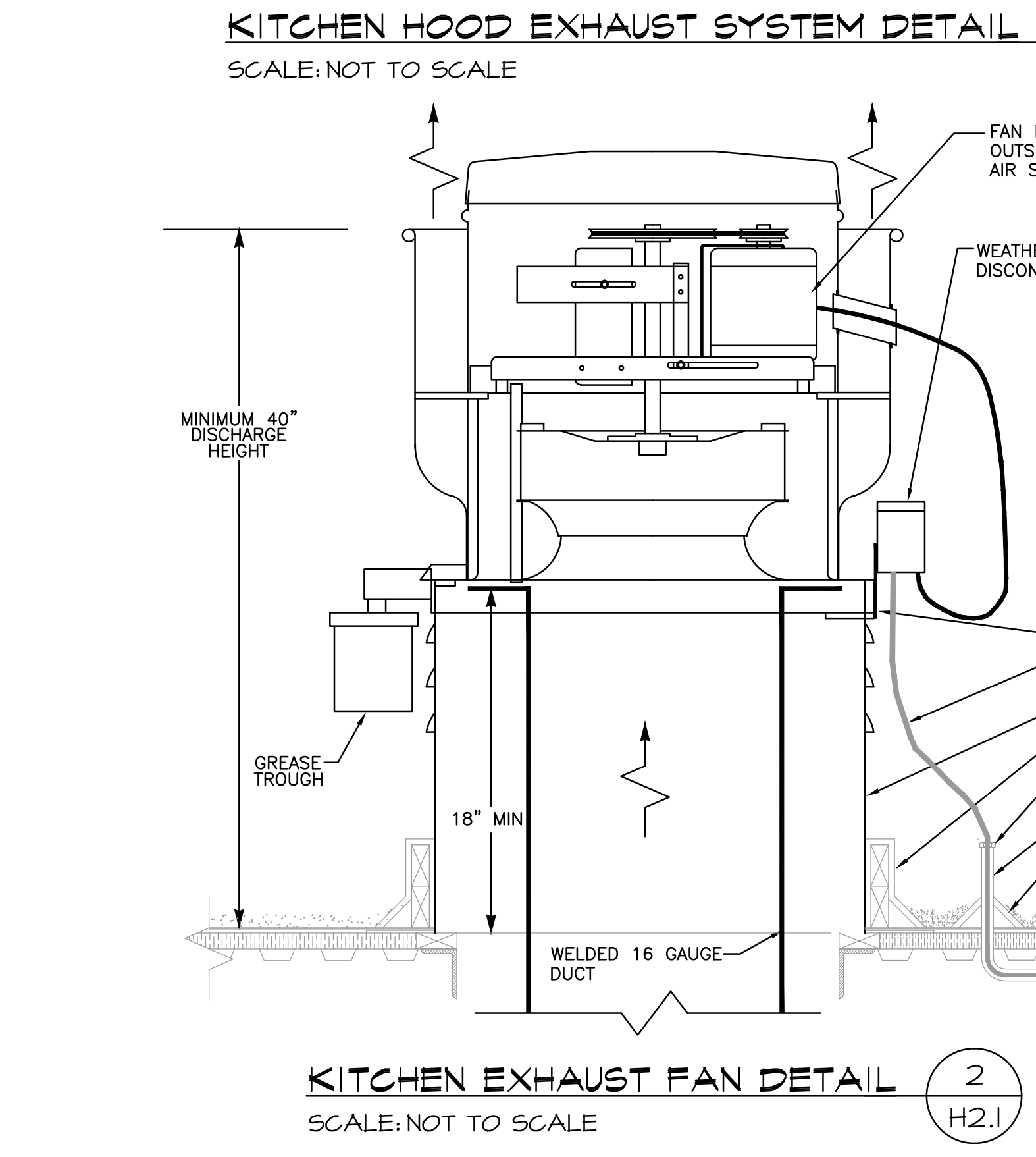
C. SYSTEM SHALL OPERATE AUTOMATICALLY AND BY A MANUAL PULL STATION, MANUAL PULL STATION LOCATIONS SHALL APPROVED BY THE LOCAL FIRE MARSHALL OR BUILDING INSPECTOR AND SHALL BE LABEL/IDENTIFIED IN AN APPROVED MANNER.

D. ACTIVATION OF THE HOOD FIRE SUPPRESSION SYSTEM SHALL AUTOMATICALLY SHUT-OFF ALL POWER TO THE COOKING EQUIPMENT. AUTOMATIC GAS SHUT-OFF VALVES SHALL BE MECHANICALLY OPERATED AND FURNISHED AS PART OF THE HOOD FIRE SUPPRESSION SYSTEM FOR INSTALLATION BY THE PLUMBING CONTRACTOR. ELECTRIC APPLIANCES SHALL AUTOMATICALLY SHUT DOWN BY A MICRO SWITCH WIRED THROUGH A SHUNT TRIP BREAKER. SHUNT TRIP BREAKERS, WHEN REQUIRED, SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

E. HOOD FIRE SUPPRESSION SYSTEMS SHALL BE CONNECTED TO THE STORE'S FIRE ALARM SYSTEM.

F. AFTER INSTALLATION, THE FIRE SYSTEM DISTRIBUTOR SHALL CONDUCT ANY AND ALL TESTS REQUIRED TO DEMONSTRATE PROPER OPERATION OF THE SYSTEM. ALL HOOD FIRE SUPPRESSION SYSTEMS SHALL BE TURNED OVER TO THE OWNER WITH FULLY CHARGED CYLINDERS.

- NOTES:**
- DETAIL SHOWN FOR GENERAL ARRANGEMENT ONLY. HOOD EXHAUST SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 96, AND ALL STATE AND LOCAL CODES. REFER TO MANUFACTURER'S DRAWING, THIS SHEET.
  - THE CONTRACTOR SHALL SUBMIT ALL REQUIRED SHOP DRAWINGS TO THE LOCAL HEALTH DEPARTMENT FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
  - HOOD SHALL BE FURNISHED WITH COMPLETE UL LISTED FIRE SUPPRESSION SYSTEM. REFER TO MANUFACTURER'S DRAWINGS, THIS SHEET.
  - ANY GREASE DUCT NOT INSTALLED WITH THE MINIMUM CLEARANCES REQUIRED BY CODE SHALL BE WRAPPED WITH UL LISTED 3M FIREMASTER DUCTWRAP, OR APPROVED EQUAL.
  - GREASE DUCT SHALL BE INSTALLED SO THAT GREASE CANNOT COLLECT IN ANY PORTION THEREOF. ALL ELBOWS AND OFFSETS SHALL BE SMOOTH RADIUS TYPE; MITTERED OR SQUARE THROAT ELBOWS ARE NOT PERMITTED. DUCT SHALL SLOPE TOWARD HOOD NOT LESS THAN 2%.
  - PROVIDE CLEAN-OUT OPENINGS AT ALL CHANGES IN DIRECTION OR AT ANY PORTION OF THE SYSTEM NOT ACCESSIBLE FROM THE HOOD OR EXHAUST FAN.
  - STAINLESS STEEL CEILING CLOSURE SHALL BE FURNISHED WITH HOOD AND INSTALLED BY MECHANICAL CONTRACTOR (FIELD-VERIFY CLOSURE HEIGHT).
  - CERAMIC TILE SHALL BE FURNISHED AND INSTALLED BY GENERAL CONTRACTOR ON WALL IN CONTACT WITH HOOD. REFER TO ARCHITECTURAL PLANS.
  - VERIFY HOOD MOUNTING HEIGHT WITH OWNER AND COORDINATE WITH COOKING APPLIANCES.
  - CONTRACTOR SHALL CONDUCT ALL REQUIRED SMOKE TESTING AS MAY BE DIRECTED TO DEMONSTRATE PROPER PERFORMANCE OF THE HOOD EXHAUST SYSTEMS.
  - ALL EXHAUST DUCT WORK MUST BE INSULATED IN ACCORDANCE WITH NFPA CODES AND LOCAL ORDINANCES. REFER TO HVAC SPECIFICATIONS.
  - ALL EXPOSED EXHAUST DUCTWORK INSULATION SHALL BE ENCLOSED WITH 18 GA. STAINLESS STEEL JACKET.



**NOTES:**

- TYPICAL OF GREASE LADEN EXHAUST SYSTEMS. FAN SHALL BE LISTED BY UNDERWRITERS LABORATORIES AS CONFORMING TO UL STANDARD 762 (RESTAURANT EXHAUST VENTILATORS).

ELECTRICAL GEAR SUPPLIER TO PROVIDE SHUNT TRIP BREAKERS FOR ANY ELECTRICAL OUTLETS OR HARD WIRED EQUIPMENT UNDER HOOD. ALL FIELD WIRING BY ELECTRICAL CONTRACTOR.

**CAPTIVE-AIRE**

**JOB HARRIS TEETER**

LOCATION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
DWG # D11HAR1K  
REV. \_\_\_\_\_

JOB # \_\_\_\_\_  
DRAWN BY \_\_\_\_\_  
SCALE \_\_\_\_\_

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Your Neighborhood Food Market

HARRIS TEETER #441  
SOUTH COLLEGE RD. & SHIPYARD  
WILMINGTON, NC

JOHN S. PARKER  
PROFESSIONAL ENGINEER  
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PROJECT MANAGER  
KIM STADY  
SR. BY: KEM

**REVISIONS**

No.	Date	Description

**HVAC DETAILS**

SHEET NO. H2.1  
ISSUE DATE: 5/9/14