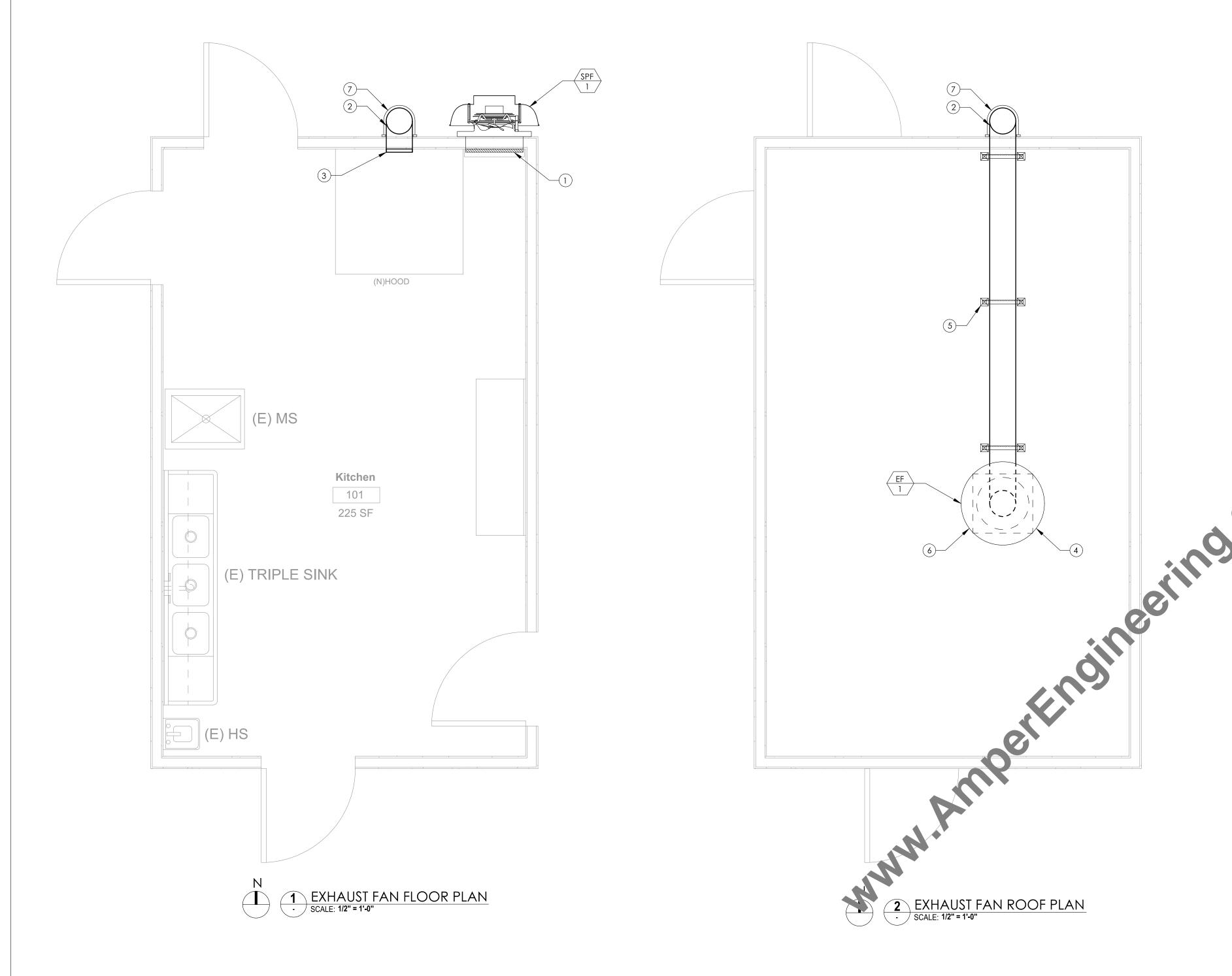
DRAWING INDEX M-1 KITCHEN LAYOUT M-2 | EQUIPMENT SCHEDULE AND INSTALLATION DETAILS M-3 EQUIPMENT MANUFACTURER DATA SHEETS



	KEY NOTES									
1	22"x22" RETURN AIR GRILL FOR SUPPLY AIR. (TITUS MODEL#301FL)									
2	10"Ø HOOD EXHAUST DUCT UP TO ROOF.									
3	10"Ø EXHAUST HOOD COLLAR.									
4	PROVIDE 24" ROOF CURB.									
5	ROOF MOUNTED DUCT SUPPORT. (DURA BLOCK#DB SERIES)									
6	MECHANICAL EQUIPMENT SHALL NOT BE ERECTED LESS THAN 10' FROM THE ROOF EDGE AS PER OSHA.									
7	WALL STRAP DUCT SUPPORT. (DURAVENT#10DCA-WS SERIES)									

NOTES FOR NFPA 96 (STANDARD FOR THE INSTALLATION OF EQUIPMENT FOR THE REMOVAL OF SMOKE AND GREASE-LADEN VAPORS FROM COMMERCIAL COOKING EQUIPMENT)

- * PROVIDE TWO 20X20 OPENINGS EQUALLY SPACED, FOR PERSONNEL ENTRY AT THE HORIZONTAL DUCT & ONE AT THE TOP OF THE VERTICAL RISER TO ACCOMMODATE DESCENT.
- * ACCESS PANELS SHALL BE OF THE SAME MATERIAL AND THICKNESS AS THE DUCT. ACCESS PANELS SHALL HAVE A GASKET OR SEALANT THAT IS RATED FOR 1500 DEG F AND SHALL BE GREASE TIGHT. FASTENERS USED TO SECURE THE ACCESS PANELS SHALL BE OF CARBON STEEL OR STAINLESS STEEL AND SHALL NOT PENETRATE DUCT WALLS. * DUCTS SHALL BE CONSTRUCTED OF AND SUPPORTED BY
- 14 GAUGE CARBON STEEL. ALL SEAMS, JOINTS, PENETRATIONS, AND DUCT TO HOOD COLLAR CONNECTIONS SHALL HAVE A LIQUID TIGHT
- CONTINUOUS EXTERNAL WELD.
- * ROOF TERMINATION SHALL HAVE:
- * THE EXHAUST FLOW DIRECTED UP AND AWAY FROM THE SURFACE OF THE ROOF AND A MINIMUM OF 40 IN. ABOVE THE ROOF SURFACE.
- * THE ABILITY TO DRAIN GREASE OUT OF ANY TRAPS OR LOW POINTS FORMED IN THE FAN OR DUCT NEAR THE TERMINATION OF THE SYSTEM TO A RAINPROOF COLLECTION RAINPROOF COLLECTION CONTAINER.
- * WITH A HINGED UP-DISCHARGE FAN SUPPLIED WITH WEATHERPROOF ELECTRICAL CABLE & SERVICE HOLD-OPEN RETAINER TO PERMIT PROPER INSPECTION AND CLEANING. AIR VELOCITY SHALL NOT BE LESS THAN 1,500 FT PER MIN. THE OPERATION OF THE HOOD EXTINGUISHING SYSTEM SHALL
- AUTOMATICALLY SHUT OFF ALL SOURCES OF FUEL WHERE CONCEALED, THE DUCT SHALL HAVE A HIGH TEMPERATURE, INORGANIC, FOIL ENCAPSULATED CERAMIC FIBER BLANKET DUCT WRAP, ALLOWING A ZERO INCH CLEARANCE TO COMBUSTIBLE CONSTRUCTION AND A 2 HOUR FIRE RESISTIVE RATED ENCLOSURE. INSULATION SHALL BE REMOVABLE AT CLEANOUTS. LOCATIONS TO BE TAGGED WITH A 2" BRASS TAG.

MECHANICAL LEGEND												
DESCRIPTION												
DUCT WIDTH x DEPTH CLEAR INSIDE DIMENSION												
RETURN OR EXHAUST AIR DUCT SECTION UP - DOWN												
EXHAUST AIR												
GRILLE												
EXHAUST FAN												
WATER COLUMN												
ABOVE FINISHED FLOOR												
BOTTOM OF DUCT												
CUBIC FEET PER MINUTE												
ELEVATION												
FEET PER MINUTE												
HORSEPOWER												
KILOWATT												
NOT REQUIRED												
NOT TO SCALE												
OUTSIDE AIR												
POUNDS PER SQUARE INCH												
SQUARE FEET												

REFERENCE CODES

- 1. 2018 SOUTH CAROLINA BUILDING CODE, ADOPTS THE IBC 2018 WITH AMENDMENTS.
- 2. 2018 SOUTH CAROLINA FIRE PREVENTION CODE, ADOPTS THE IFC 2018 WITH AMENDMENTS.
- 3. 2018 SOUTH CAROLINA FLUE GAS CODE, ADOPTS THE IFGC 2018 WITH AMENDMENTS.
- 4. 2018 SOUTH CAROLINA MECHANICAL CODE,
- ADOPTS THE IMC 2018 WITH AMENDMENTS. 5. 2018 SOUTH CAROLINA PLUMBING CODE,
- ADOPTS THE IPC 2018 WITH AMENDMENTS.
- 6. 2018 SOUTH CAROLINA RESIDENTIAL CODE, ADOPTS THE IRC 2018 WITH AMENDMENTS. 7. 2009 SOUTH CAROLINA ENERGY CONSERVATION CODE,

ADOPTS THE IECC 2009 WITH AMENDMENTS.

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DEVELOPMENT

CENTER

ADDRESS: ORD RD, LANCASTER, SC 29720

ISSUE DATE: 11/26/2020 PROJECT NUMBER: AE# 1243 DRAWN BY: 1/2"=1'-0" DEE DESIGNED BY: CHECKED BY:

> DRAWING TITLE: KITCHEN LAYOUT

DEE

DRAWING NO:

M-1

REVISION:

SCOPE OF WORK: INSTALLATION OF A KITCHEN HOOD, EXHAUST FAN AND ASSOCIATED MECHANICAL WORK.

	KITCHEN HOOD SCHEDULE													
TAG			LOCATION	SERVING			HOOD SIZE	EQUIP.	GREASE	E FILTERS				
	MANUFACTURER	MODEL			QUANTITY	CFM	(INCH.)	LOCATED UNDER HOOD	QTY.	SIZE (INCH.)				
HOOD-1	SELECT AIR SYSTEMS, INC.	EC-T	KITCHEN	KITCHEN	1	900	48x48	BURNER RANGE	2	20x25				

NOTES:

1. SW2 CONTROL PANEL "LIGHTS, FANS" SWITCHES. 2. HEAT SENSOR WITH BUTTON STYLE.

3. TAPERED HOOD FRONT.

4. TWO UL LISTED VP INCANDESCENT HOOD LIGHTS.

	EXHAUST FAN SCHEDULE																
SYMBOL	MANUFACTURER	MODEL	TYPE	LOCATION	SERVICE	QTY.	AIR FLOW CFM	S.P. (IN WG)	FAN SPEED RPM	MOTOR			DIMENTI	ON (INCH.)	WEIGHT	REMARK	
										HP	V.	PH.	Hz	WIDTH	HEIGHT	LB.	INLIVIAIN
EF-1	JENCOFAN	STXBRHUL12-1/2	CENTRIFUGAL ROOF EXHAUSTER	ROOF	KITCHEN	1	900	1.3	1742	0.5	115	1	60	32	31	137	1,2

1. PROVIDE PRE WIRED DISCONNECT SWITCH.

2. RAINPROOF ELECTRICAL BOX WIRING CHASE.

	SUPPLY FAN SCHEDULE																		
							AIR FLOW	S.P.	FAN			MOTOR			WEIGHT	FAN	DIMENT	ION (INCH.)	
SYMBOL	MANUFACTURER	MODEL	TYPE	LOCATION	SERVICE	QTY.	CFM	(IN WG)	SPEED RPM	HP	RPM	V.	PH.	Hz		SIZE	WIDTH	LENGTH	REMARK
SPF-1	соок	REBS	DOWNBLAST PROPELLER	KITCHEN	KITCHEN	1	810	0.38	1006	1/6	1085	115	1	60	121	16	33	16	1,2

EXHAUST FAN-

PRE - FABRICATED— ROOF CURB

ROOF DUCT SUPPORT DETAILS

NOT TO SCALE

"X" MAINTAIN MINIMUM—— 6" DISTANCE FROM ROOF INSULATION

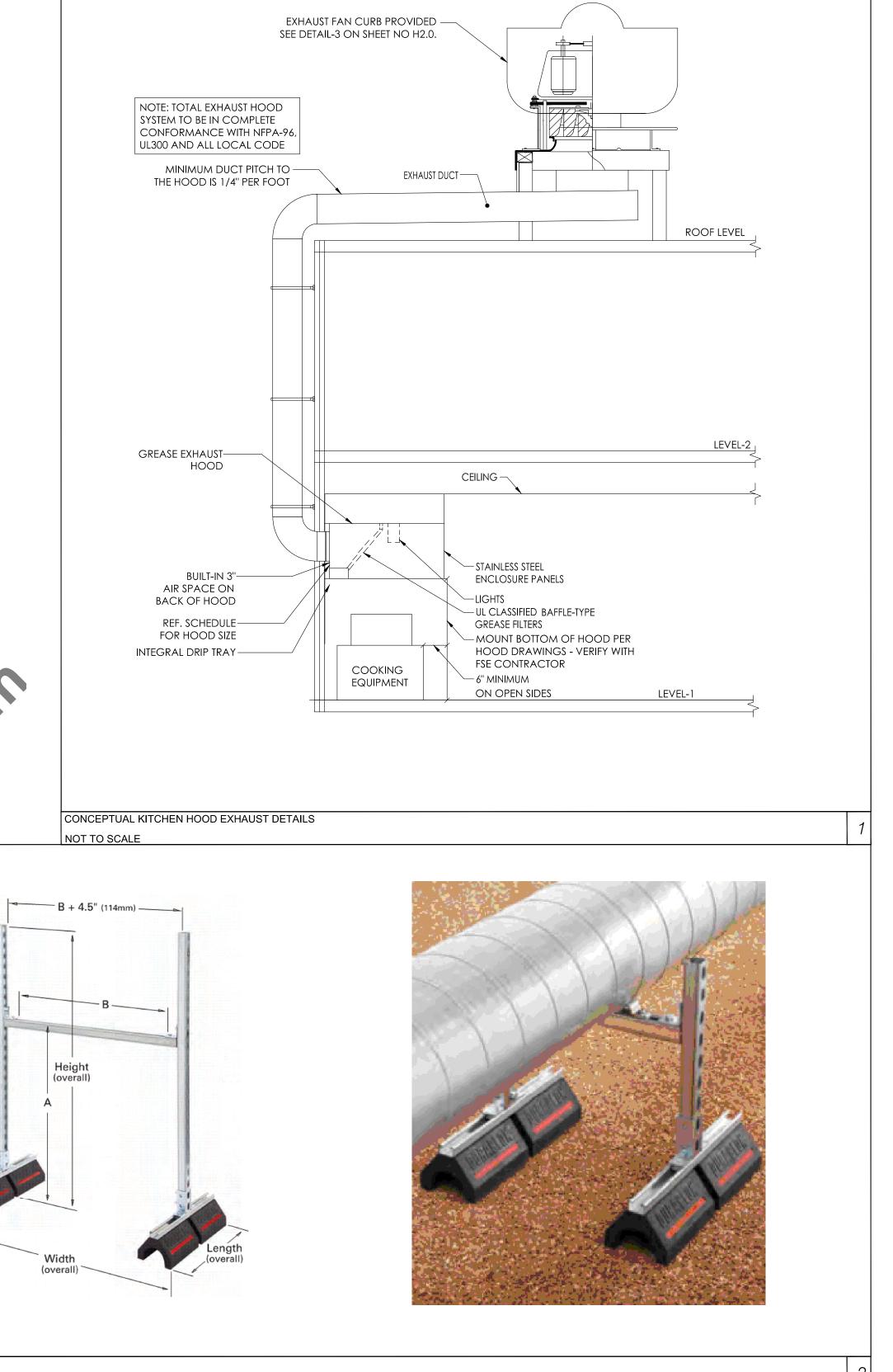
NOT TO SCALE

ROOF INSULATION-

ROOF UPBLAST EXHAUST FAN DETAILS

1. PROVIDE PRE WIRED DISCONNECT SWITCH.

2. DISCONNECT NEMA 1 PRE-WIRED FAN SPEED CONTROLLER.



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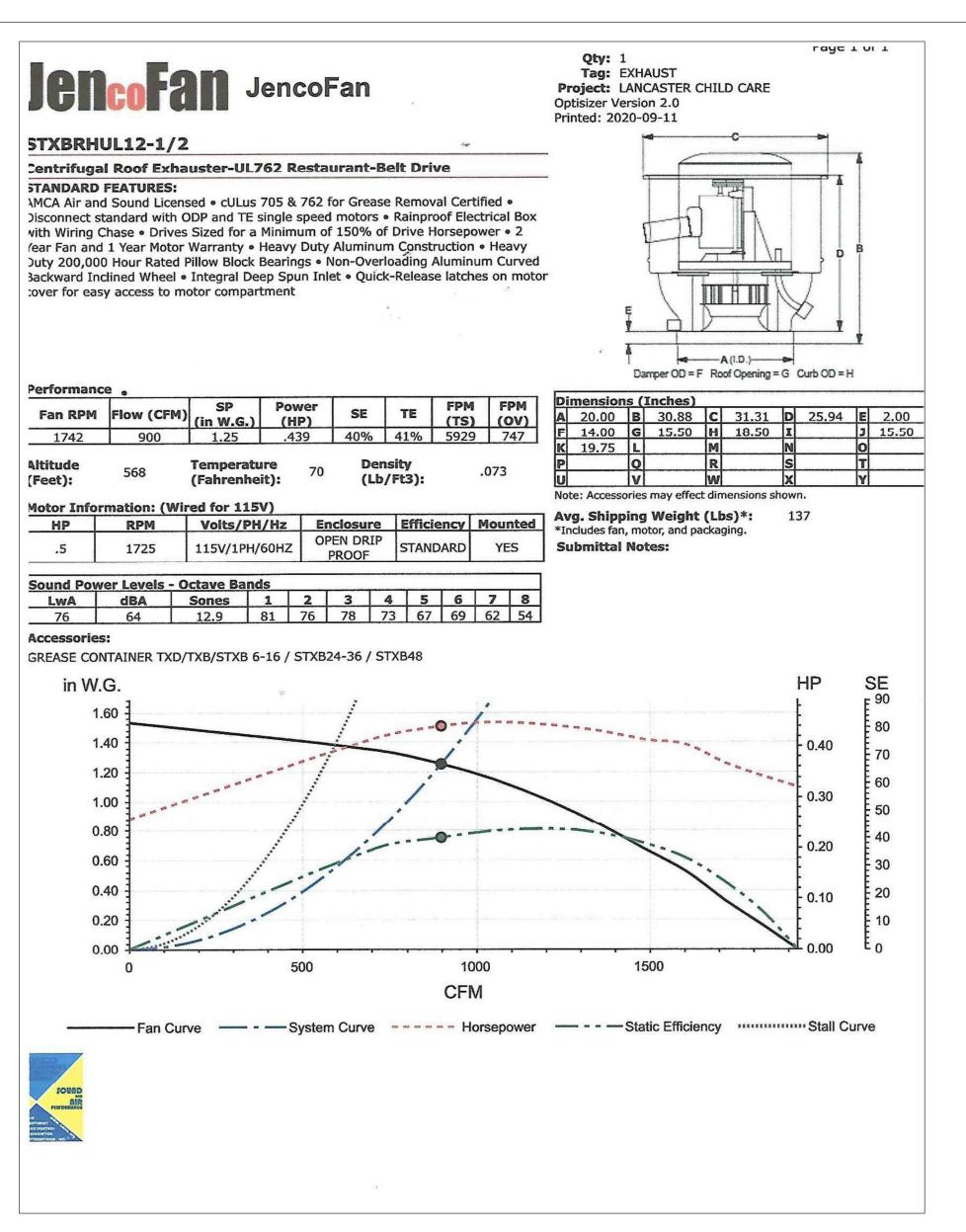
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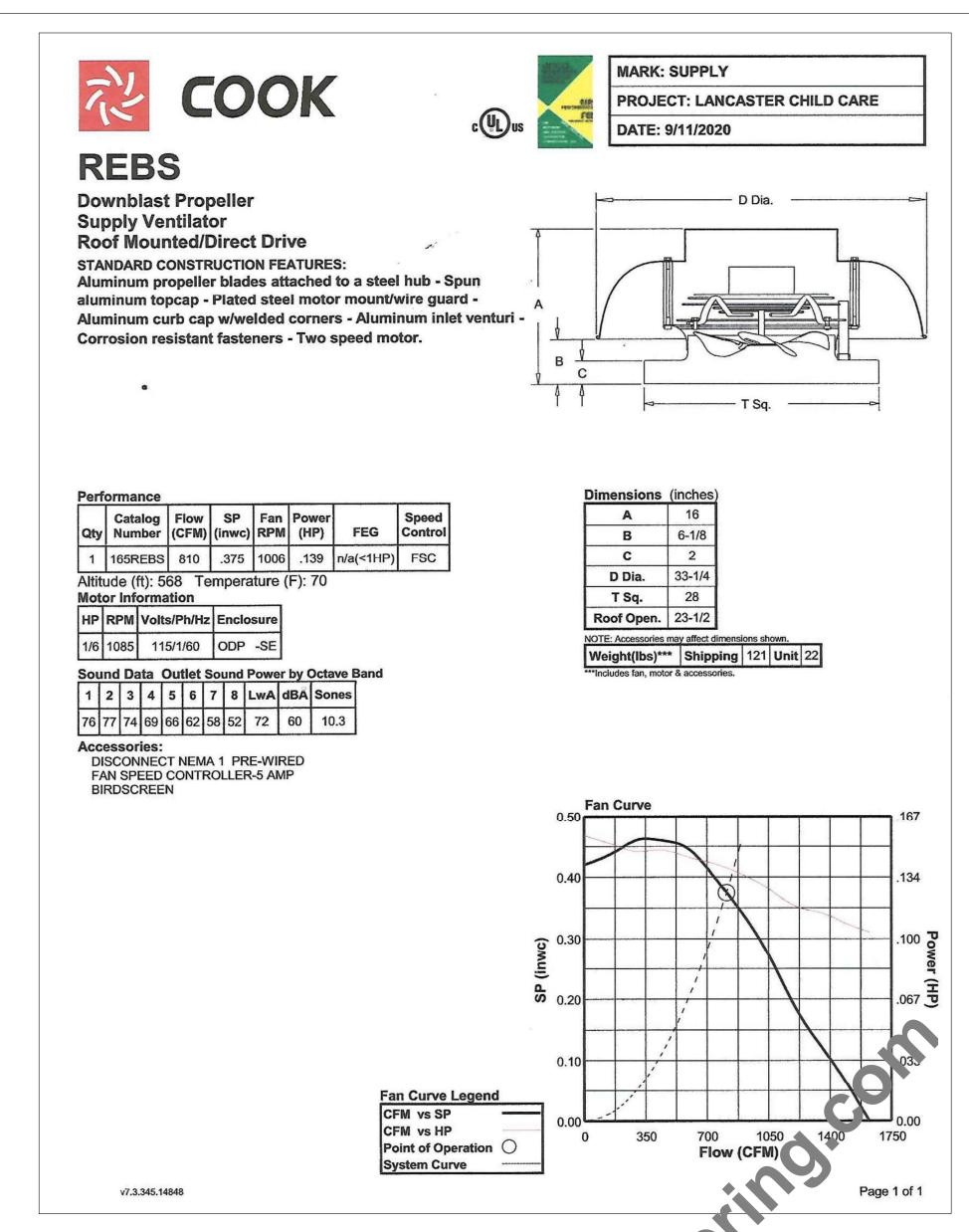
ISSUE DATE: 11/26/2020 PROJECT NUMBER: AE# 1243 DRAWN BY: N.T.S. CHECKED BY: DESIGNED BY: DEE

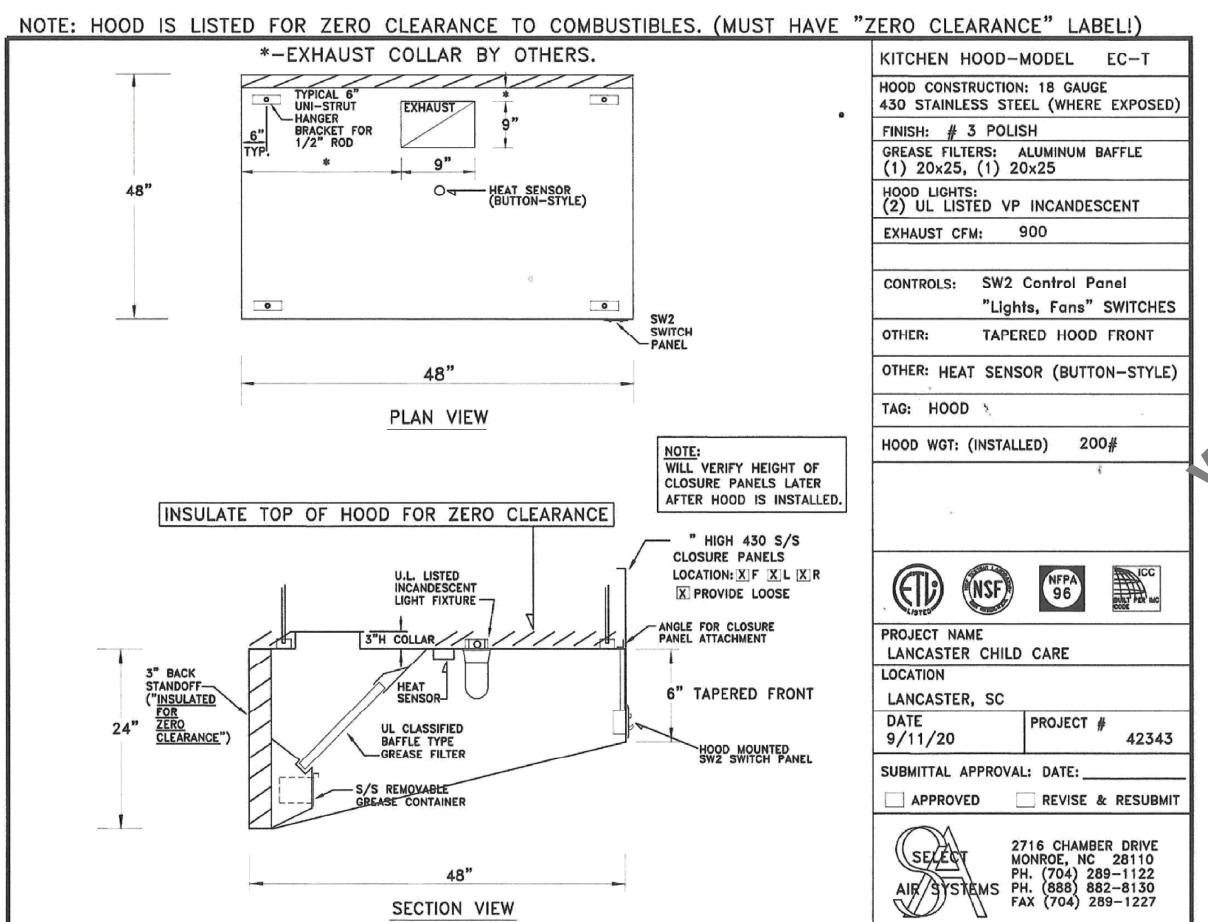
DRAWING TITLE: **EQUIPMENT SCHEDULE** AND INSTALLATION **DETAILS**

M-2

REVISION:







DURAK EVRIM ERCAN PRENGINEERING:

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REV. DATE DESCRIPTION

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LANCASTER, SC 29720

ISSUE DATE:

11/26/2020

PROJECT NUMBER:

AE# 1243

SCALE: DRAWN BY:

N.T.S. DEE

DESIGNED BY: CHECKED BY:

DEE

DEE

DRAWING TITLE:
EQUIPMENT
MANUFACTURER DATA
SHEETS

DRAWING NO:

M-3

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REVISION: