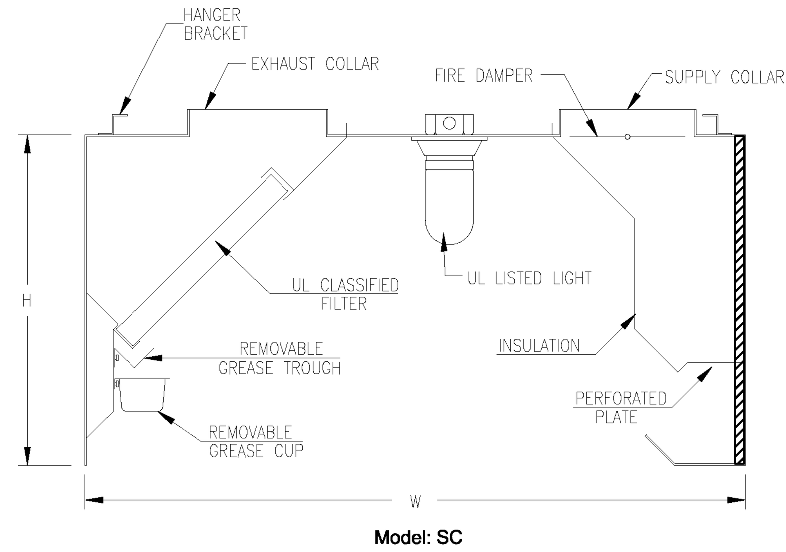


Model: SC
(Short Circuit)

HOOD INFORMATION TABLE

HOOD NO.	MODEL	LGTH	WDTH	MAX. COOKING TEMP.	AIR REQUIREMENTS: EXHAUST COLLAR QTY	SIZE W	SIZE L	EXHAUST CFM	EXHAUST S.P.	TOTAL EXH CFM	SUPPLY COLLAR QTY	SIZE W	SIZE L	SUPPLY CFM	SUPPLY S.P.	TOTAL SUP CFM	HOOD CONSTRUCTION	HOOD CONFIGURATION END/END	BACK/BACK	PLENUM BACK	FRONT	CEILING ENCLOSURE MATERIAL	HEIGHT
1	SC	11'-0"	72"	450 DEG.	1	16"	16"	3300	.625"	3300	1	10"	36"	2310	.25"	2310	430 S/S	-	-	-	-	-	-

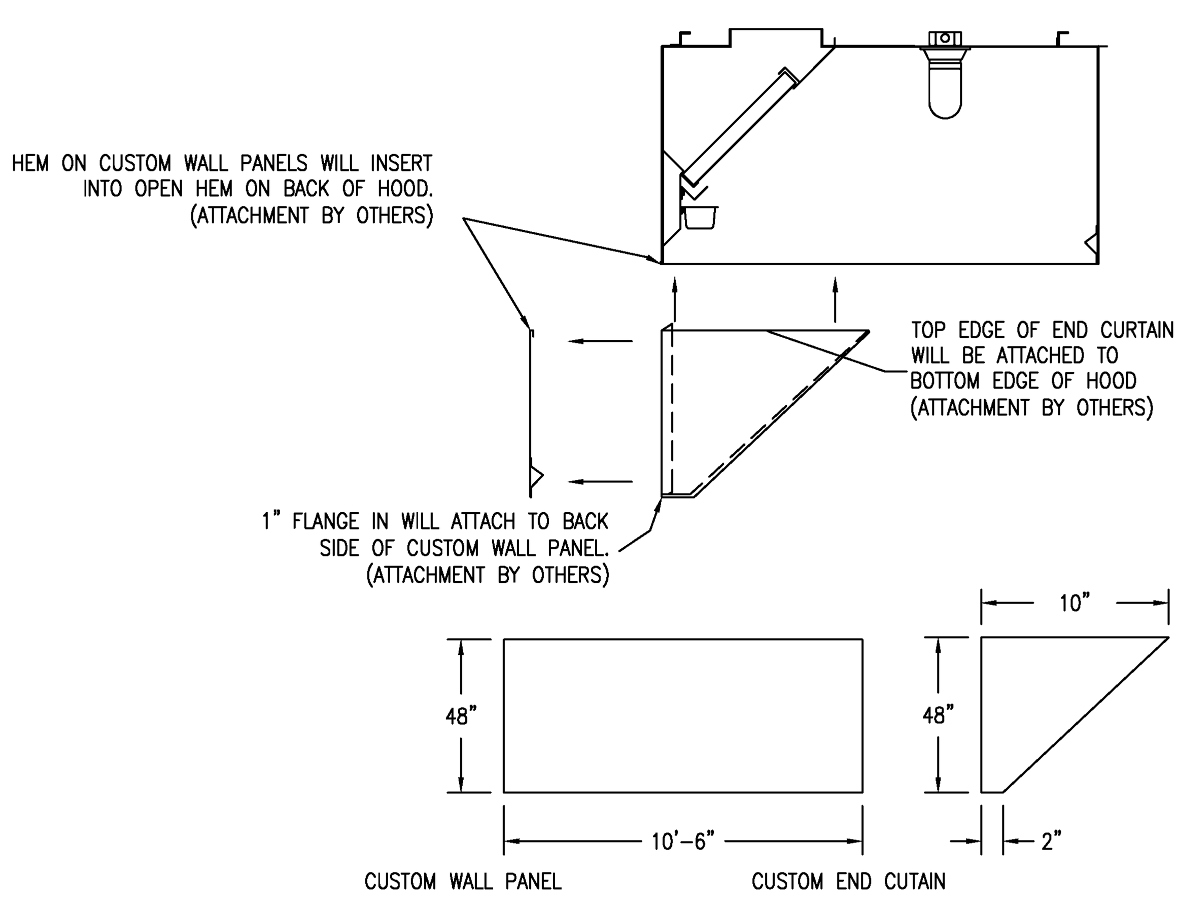
* ALL EXHAUST STATIC PRESSURES ARE @ COLLARS / DUCT SYSTEM NOT INCLUDED*

HOOD INFORMATION TABLE CONTINUED

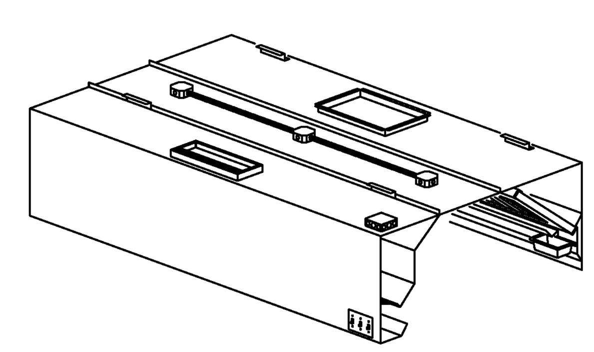
HOOD NO.	FILTERS QTY	HGT	LGTH	TYPE	QTY	HGT	LGTH	TYPE	LIGHTS QTY	TYPE	WIRE GUARD	BACK S/O	END S/O	FIRE SYSTEM TYPE	SIZE GALLON	FIRE CABINET	LOCATION	HOOD WEIGHT	ELECTRICAL PKG. SWITCHES	STARTERS	CONT.	FAN CNTRL.	LOCATION
1	4	16"	20"	ALUM BAFFLE	2	16"	25"	ALUM. BAFFLE	3	INCANDESCENT	-	-	-	-	-	-	-	-	2	-	2	-	RH-END

* 48" TALL BACK WALL SPLASH PANEL PROVIDED WITH HOOD *

CUSTOM END CURTAINS AND WALL PANELS



Model: SC
(Short Circuit)



Specifications:

Hood shall be self-compensating type introducing make-up air inside the hood through a full length, self-balancing slot.

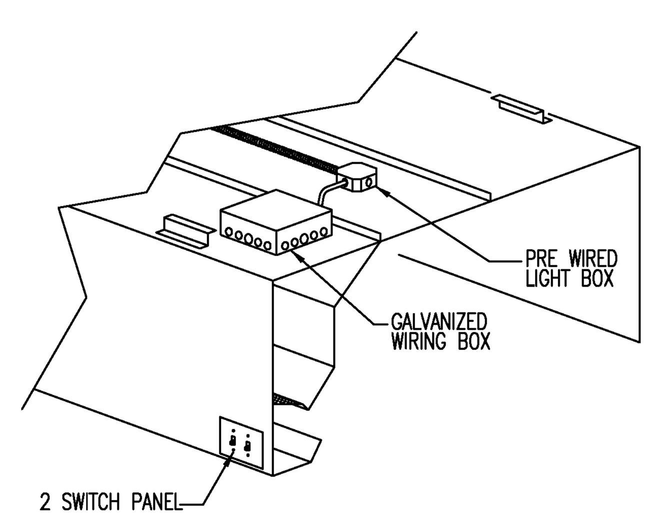
The hood shall be fabricated from Type 430 stainless steel. 18 & 20 gauge with #4 polish on all exposed surfaces, and 18 gauge aluminized steel in concealed areas. The supply plenum shall be lined with 1" thick 3 lb. density foil back insulation, with a flame spread rating of 25 or less as tested by UL 723 to impede condensation from forming on hood surfaces. Supply air plenum shall contain a balancing plate for even distribution of air from one end of the supply slot to the other.

Hood shall be of double wall construction with seams and joints welded and sealed liquid tight, to conform to NFPA 96. Corners of hood shall be trimmed to give the hood a straight, crisp appearance free of warps. 12 gauge hanging brackets for hood shall be on each corner (more brackets as needed for longer hoods). Grease filters shall be UL classified, non-clogging, baffle type, and shall be easily removable for cleaning purposes.

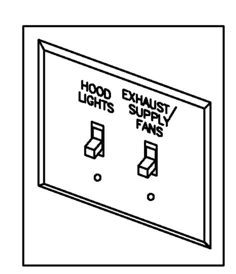
All exhaust plenum surfaces and filters shall drain into a removable grease trough and be conveyed to a removable grease container. Lights shall be installed at approximately 3' intervals and shall be UL listed for use in exhaust hoods. Lights shall be completely pre-wired to a junction box located on top of the hood.

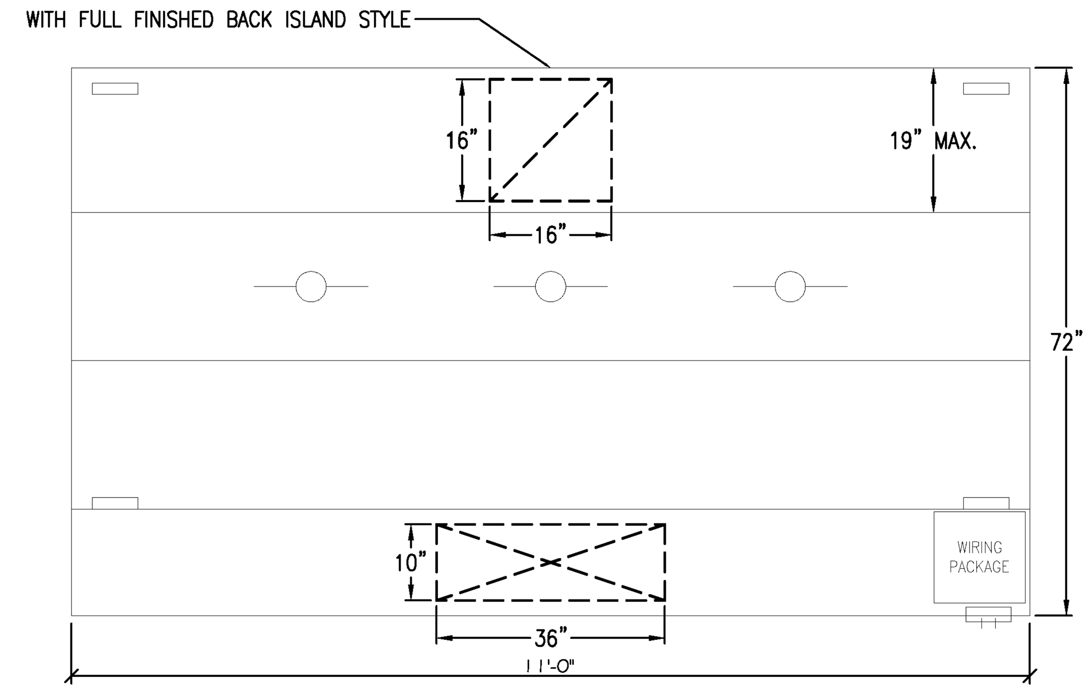
Exhaust collars shall be 16 gauge aluminized steel and have a 3/4" welding flange for easy field connection. Supply air collar shall be 18 gauge galvanized steel and include a UL Listed fire damper. Control panels shall include on/off toggle type switches, for the control of hood lights and fans. Each fan switch shall have red pilot lights in handle for positive function status identification. Panel shall have stainless steel face plate with each switch identified. The hood shall be constructed in accordance with NFPA bear the NSF Seal of Approval, and be ETL Listed. Hood to be manufactured by LARKIN INDUSTRIES, INC. 1-800-322-4036.

HOOD MOUNTED PRE-WIRED PACKAGE



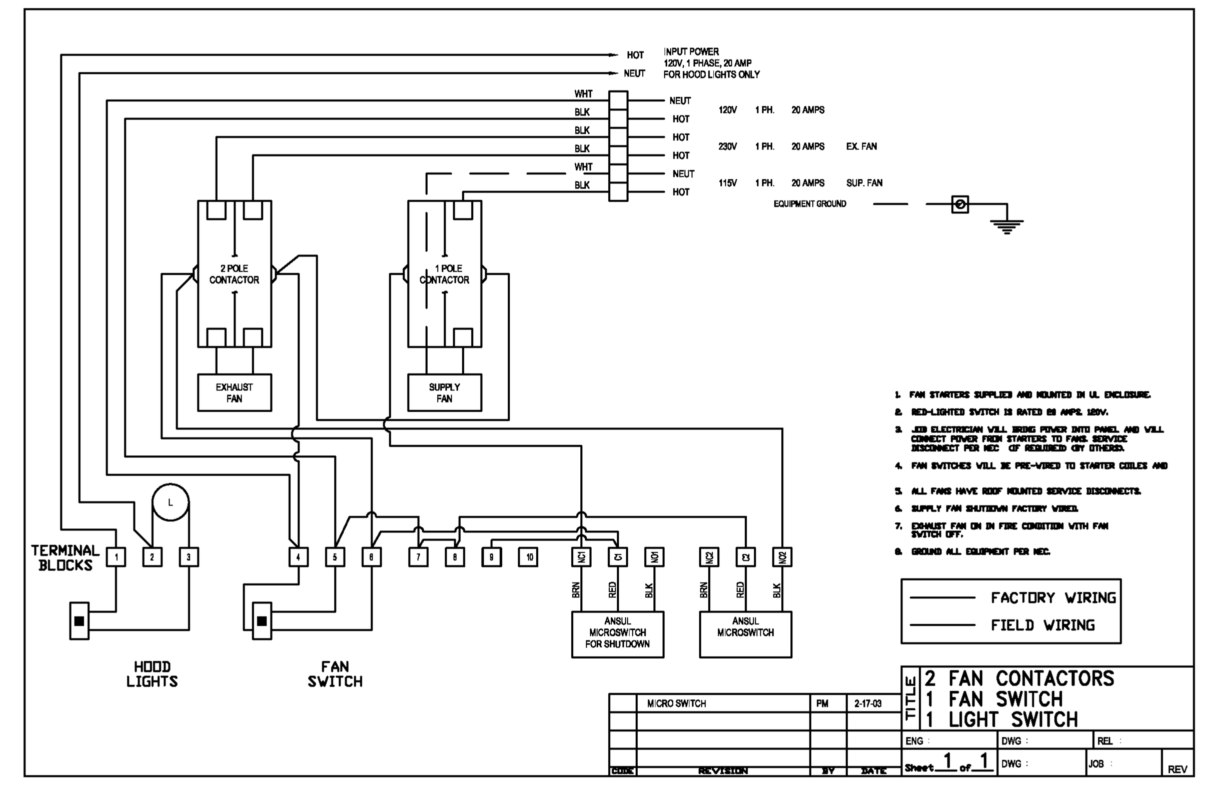
PRE WIRED ELECTRICAL BOX TO BE MOUNTED ON TOP OF HOOD AND FACTORY PRE WIRED TO A SWITCH PANEL ON FACE OF HOOD AND THE HOOD LIGHTS. WIRING BOX SHALL CONTAIN, AS REQUIRED, STARTERS WITH OVERLOADS, RELAYS, CONTACTORS, TERMINAL STRIPS AND WIRING DIAGRAM. WIRING FROM POWER SOURCE AND ROOFTOP FANS REQUIRES FIELD HOOKUP AS PER NATIONAL ELECTRICAL CODE. PRE WIRED BOXES AVAILABLE IN 115V, 208V, 230V, SINGLE PHASE, AND 208V, 230V, AND 480V THREE PHASE.





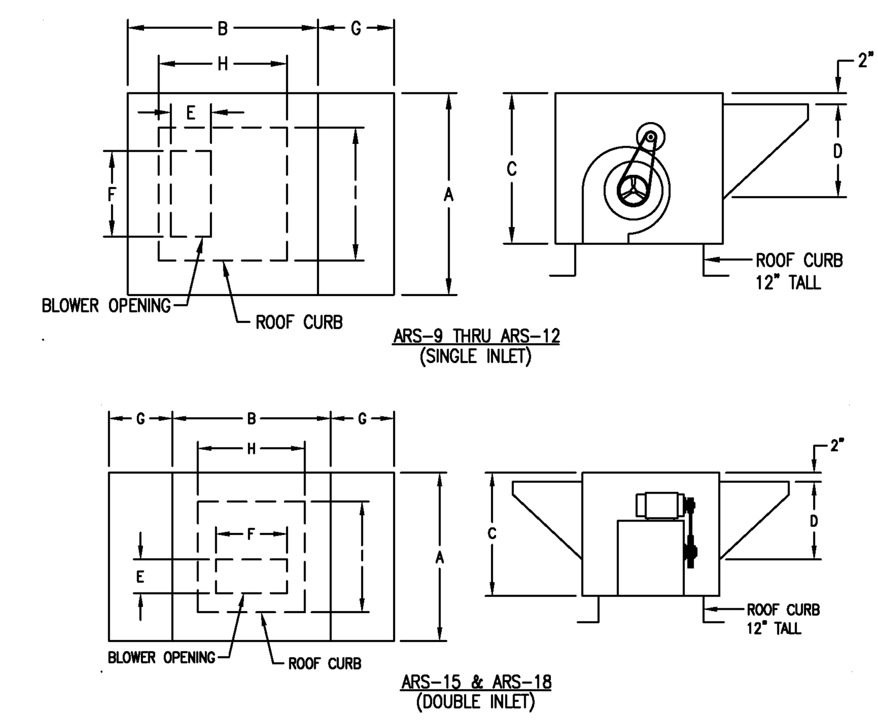
HOOD 1

HOOD CONFIGURATION		LEGEND			
☐ WALL	☐ HOODS BACK TO BACK	LIGHTS	EXHAUST COLLAR (MOUNTED)	EXHAUST COLLAR (LOOSE)	HANGER
☒ ISLAND	☐ HOODS BACK TO BACK END TO END	SWITCH PANEL	SUPPLY COLLAR (MOUNTED)	SUPPLY COLLAR (LOOSE)	
☐ HOODS END TO END	☒ OTHER COLLAR(S) SHIPPED LOOSE				



SUPPLY FAN

FEATURES: HEAVY GAUGE SCREWED TOGETHER HOUSING • EASILY REMOVABLE COVER • CONSTRUCTED OF GALVANIZED STEEL (PAINTING NOT REQUIRED) • DOUBLE INLET SUPPLY BLOWER, BELT DRIVEN, MOUNTED ON VIBRATION INSULATORS • CAST IRON MOTOR AND FAN DRIVES • FACTORY MOUNTED DISCONNECT SWITCH • PERMANENT LUBRICATED BEARINGS • CLEANABLE ALUMINUM MESH FILTERS • ETL LISTED
OPTIONAL ACCESSORIES: A) BACK DRAFT DAMPERS B) MANUAL DAMPERS C) MOTORIZED DAMPERS D) SIDE DISCHARGE E) WALL MOUNT BRACKETS F) STARTERS G) ROOF CURBS H) EXTENDED INTAKE



MARK	MODEL	FAN DIMENSIONAL DATA A	B	C	D	E	F	G	CURB SIZE H	I	FILTER SIZES
MK	ARS-9	24	24	30	25	10 1/4	11 13/16	18	23	23	(1) 20x20x1
MK	ARS-10	34	34	35	30	11 1/8	13 1/8	18	33	33	(2) 16x25x1
MK	ARS-12	34	34	35	30	13 7/16	15 5/8	18	33	33	(2) 16x25x1
MK	ARS-15	34	34	35	30	15 7/8	18 5/8	18	33	33	(4) 16x25x1
MK	ARS-18	42	42	43	30	18 7/8	21 7/8	18	41	41	(4) 20x25x1

MARK	MODEL	FAN INFORMATION QTY.	TYPE	CFM	SP	RPM	MOTOR INFORMATION HP	VOLTS	CYCLE	PH	TYPE	OPTIONAL ACCESSORIES			
SF	ARS-12	1	12	2310	.50"	-	1/2	115	60	1	STD	G	-	-	-

EXHAUST FAN

UPBLAST AND HIGH PRESSURE UPBLAST CENTRIFUGAL ROOF VENTILATOR

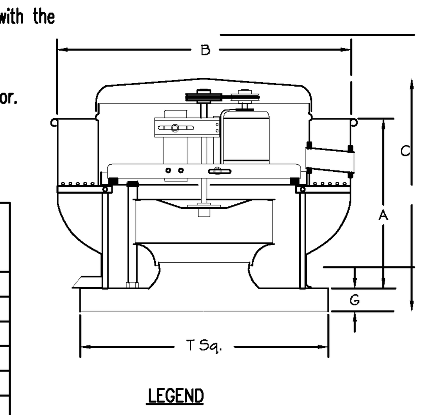
Larkin Industries, Inc. certifies that the XRUB shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

The Type XRUB is furnished standard with UL 762 listing (Power Ventilator for Restaurant Exhaust appliances/YZHW) when furnished with factory supplied motor.

The Type XRUB is furnished standard with cUL listing (Power Ventilator for Restaurant Exhaust appliances) when furnished with factory supplied motor.

DIMENSION DATA

SIZE	A	B	C	G	T SQ.	SHIP WT. LESS MOTOR	ROOF OPNG. SQUARE
098	17-3/8	24-7/8	28-1/4	1-3/4	19	58	16
101	17-3/8	24-7/8	28-1/4	1-3/4	19	58	16
121	17-3/8	24-7/8	28-1/4	1-3/4	19	66	16
131	17-3/8	24-7/8	28-1/4	1-3/4	19	66	16
141	19-3/8	28-7/8	29-3/4	1-3/4	22	84	19
161	19-3/8	28-7/8	29-3/4	1-3/4	22	87	19
180	21	35-3/8	28-5/8	1-3/4	30	126	27
200	21	35-3/8	28-5/8	1-3/4	30	142	27
220	25-1/2	42-3/4	33-7/8	1-3/4	34	174	31
240	25-1/2	42-3/4	33-7/8	1-3/4	34	175	31
300	29	50	36	1-3/4	40	313	37
360	29-3/8	58-5/8	39-1/8	1-3/4	42	440	43
420	35-1/4	65-3/8	44-3/4	1-3/4	52	578	49
480	36	74-3/16	48-1/4	1-3/4	58	675	55



LEGEND

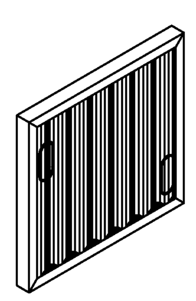
ACCESSORIES
1. GALVANIZED CURB
2. NEMA 3R DISCONNECT SWITCH
3. EXTENDED VENTED BASE
4. EXTENSION CURB
5. HINGED BASE
6. GREASE TRAP
7. ALL STEEL CONSTRUCTION

MOTOR TYPE
STD - STANDARD
2SP - 2 SPEED

ALL DIMENSIONS IN INCHES. WEIGHTS IN POUNDS.
ROOF OPENING SIZE FOR CURBS SUPPLIED BY COOK ONLY.

QTY	MARK	CATALOG NUMBER	FAN INFORMATION CFM	SP	RPM	MOTOR INFORMATION HP	VOLTS	HZ	PH	TYPE	ACCESSORIES			
1	EF	XRUB-180	3300	.625"	-	3/4	230	60	1	STD	1	5	6	-

BAFFLE TYPE
GREASE FILTERS



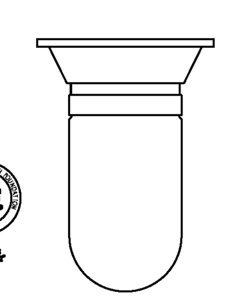
FEATURES
- STAINLESS STEEL OR ALUMINUM CONSTRUCTION FOR TOUGH COMMERCIAL KITCHEN ABUSE.
- MAXIMUM, PERMANENT PROTECTION AGAINST RUST AND CORROSION.
- SAFE, DEPENDABLE, POSITIVE FLAME BARRIER PROTECTION.
- SEAMLESS SMOOTH SURFACES PERMIT CONSTANT GREASE RUN-OFF INTO HOOD COLLECTION TROUGHS.
- DESIGNED TO REPLACE MESH TYPE FILTERS WITHOUT COSTLY HOOD MODIFICATIONS.

Air Flow Characteristics
CFM vs. Static Pressure

EFFECTIVE AREA
THE EFFECTIVE AREAS FOR THE FOLLOWING NOMINAL SIZE FILTERS ARE:
10" X 20" X 2" ---------1.00 SQUARE FEET
12" X 16" X 2" ---------0.97 SQUARE FEET
12" X 20" X 2" ---------1.25 SQUARE FEET
16" X 16" X 2" ---------1.36 SQUARE FEET
16" X 20" X 2" ---------1.75 SQUARE FEET
20" X 20" X 2" ---------2.25 SQUARE FEET
16" X 25" X 2" ---------2.24 SQUARE FEET
20" X 25" X 2" ---------2.88 SQUARE FEET

FEATURES
* HEATPROOF, GREASEPROOF, WATERPROOF.
* SPECIFICALLY DESIGNED FOR PREWIRED CANOPY HOODS.
* MOUNTS TO ANY 3 1/2" OR 4" STANDARD JUNCTION BOX.
* CAST ALUMINUM FIXTURES ARE PROVIDED WITH A BRUSHED TO MATCH STAINLESS STEEL HOOD INTERIORS.
* PROVIDED WITH PLASTIC COATED AND THERMAL SHOCK RESISTANT GLOBES.

SPECIFICATIONS
FIXTURE BODY: CAST ALUMINUM
SOCKET: PORCELAIN BODY WITH COPPER SHELL
WIRE LEADS: 6" LONG, 14 AWG
GASKETS: SILICONE
GLOBE: CLEAR THERMAL SHOCKPROOF GLASS & PLASTIC COATING.

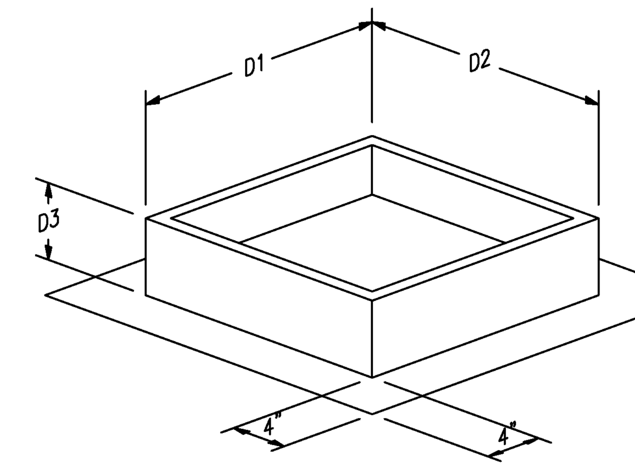


NOTICE: Underwriters Laboratories standard #57 requires that fixtures in commercial cooking hoods must be mounted a minimum of 4 ft. above the cooking surface.

INCANDESCENT LIGHT FIXTURES

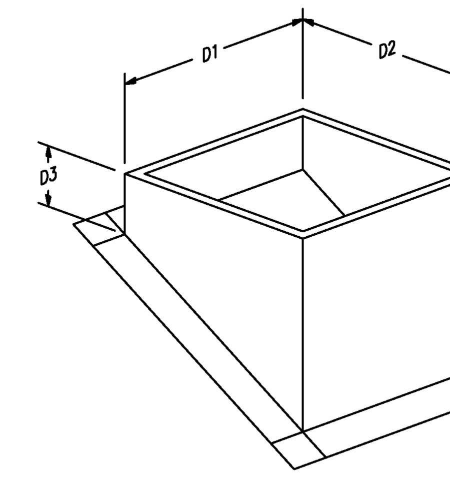
HOOD DETAILS BY
Larkin

FLAT ROOF CURB



QTY.	FAN MODEL	DIMENSIONS D1	D2	D3
1	180	29"	29"	22"
1	ARS-12	33"	33"	12"

SLOPE ROOF CURBS
FOR FANS



VERIFY ROOF SLOPE

QTY.	FAN MODEL	DIMENSIONS D1	D2	D3
L1	L1	D1	D2	D3
1	ARS-10	33"	33"	12"

DAMMON
ENGINEERING, INC.
CHIEF ENGINEER
EMMETT
DAMMON, P.E.
CHIEF ARCHITECT
ROBERT
WILTSE
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HOOD
DETAILS

REV:

SCALE: AS NOTED
JOB#: 2126
DATE: 12-08-11
SHEET 7

M-3

OF 11