



**SUBMITTALS**

**Date....:** 06/12/2024  
**Ref. #.:** L-442182  
**Job Name:** MAGIC NOODLE 2

**TO:** ATLAS MECHANICAL SERVICES, INC.  
**ATTN:** SCOTT  
**FAX:** 816-637-2010

SUBMITTED BY: NATHAN SANDLIN

PAGES: 12 (Including This Cover Sheet)

**IMPORTANT NOTICE**

PRODUCTION WILL PROCEED AFTER THE FOLLOWING DRAWINGS HAVE BEEN SIGNED, APPROVED OR APPROVED AS NOTED AND RETURNED TO LARKIN INDUSTRIES AND CREDIT HAS BEEN APPROVED.

PRODUCTS SHALL BE FABRICATED AS PER APPROVED DRAWINGS.

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

APPROVED AS NOTED: \_\_\_\_\_ DATE: \_\_\_\_\_



## SECTION VIEW

Date.....: 06/12/2024  
Ref. #.: L-442182  
Job Name: MAGIC NOODLE 2

Model: EO-FPSP  
(EXHAUST ONLY-FRONT PERFORATED SUPPLY PLENUM)

## NEO-FP16

Manufactured in Accordance with NFPA-96, IMC, and NSF Listed Standard 2. ETL-ANSI/UL710 Report # 541477.

### HOOD SIZE & CONFIGURATION

#### **HOOD 1**

#### **L x W x H**

16' 0" x 48" x 24" WALL STYLE - HOOD IS 2 SECTIONS, END TO END

#### **MATERIAL**

430 STAINLESS STEEL Where Exposed

#### **FILTERS**

Stainless Steel Baffle Filte

#### **LIGHTS**

4 Prewired Incandescent Light(s)

#### **SECTION 1** 8' 0" x 48" x 24"

WEIGHT: 406lbs 450 Degree ETL Label (no charbroiler) (Conforms to ANSI/UL-710)

HEAT SENSOR HOOD MOUNTED (NO CHARGE)

COLLARS (See Plan View for Size & Location)

8' 0" x 16" x 0" FPSP (Front Perforated Supply Plenum)

Zero Clearance Back

Zero Clearance Top

Stainless Steel Baffle Filters

#### **CFM REQUIRMENT:**

EXHAUST: 1800 CFMS @ .625 S.P.

NOTE.....: S.P. Calculations Include Hood, Filters, and up to 8' of Straight Exhaust Duct.

SUPPLY: 1800 CFMS @ .125 S.P.

NOTE.....: S.P. Calculations Include Hood and up to 20' of Straight Supply Duct.

NOTE: For proper system balance 180 CFMS of Supply Air  
to be introduced into space via Ceiling Grills, etc.

\* SUPPLY AIR INTO ROOM



## SECTION VIEW

Date.....: 06/12/2024  
Ref. #: L-442182  
Job Name: MAGIC NOODLE 2

Model: EO-FPSP  
(EXHAUST ONLY-FRONT PERFORATED SUPPLY PLENUM)

Continued From: Page 2

### **SECTION 2** 8' 0" x 48" x 24"

WEIGHT: 406lbs 600 Degree ETL Label (Conforms to ANSI/UL-710)

HEAT SENSOR HOOD MOUNTED (NO CHARGE)

COLLARS (See Plan View for Size & Location)

8' 0" x 16" x 0" FPSP (Front Perforated Supply Plenum)

Zero Clearance Back

Zero Clearance Top

Stainless Steel Baffle Filters

#### **CFM REQUIREMENT:**

EXHAUST: 2400 CFMS @ .625 S.P.

NOTE.....: S.P. Calculations Include Hood, Filters, and up to 8' of Straight Exhaust Duct.

SUPPLY: 2400 CFMS @ .125 S.P.

NOTE.....: S.P. Calculations Include Hood and up to 20' of Straight Supply Duct.

NOTE: For proper system balance 720 CFMS of Supply Air  
to be introduced into space via Ceiling Grills, etc.

\* SUPPLY AIR INTO ROOM

### **NOTES:**



**PLAN VIEW**

**Date.....:** 06/12/2024  
**Ref. #.:** L-442182  
**Job Name:** MAGIC NOODLE 2

**Model: EO-FPSP**  
(EXHAUST ONLY-FRONT PERFORATED SUPPLY PLENUM)

**PNEO-EE-FP16**

**HOOD SIZE & CONFIGURATION**

**HOOD 1** 16' 0" x 48" x 24" WALL STYLE - HOOD IS 2 SECTIONS, END TO END

**DIMENSION DATA**

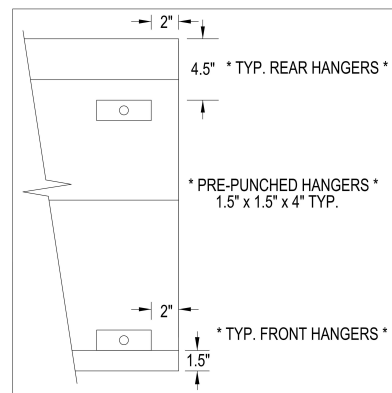
L1 - 8' 0" L2 - 8' 0" L3 - 16' 0"  
W1- 48" W2- 60"

**SECTION 1** 8' 0" x 48 " x 24 "

1 - 12X12 - Exhaust Collar Shipped Loose  
1 - 24X10 - Supply Collar Shipped Loose

**SECTION 2** 8' 0" x 48 " x 24 "

1 - 14X14 - Exhaust Collar Shipped Loose  
2 - 24X10 - Supply Collars Shipped Loose



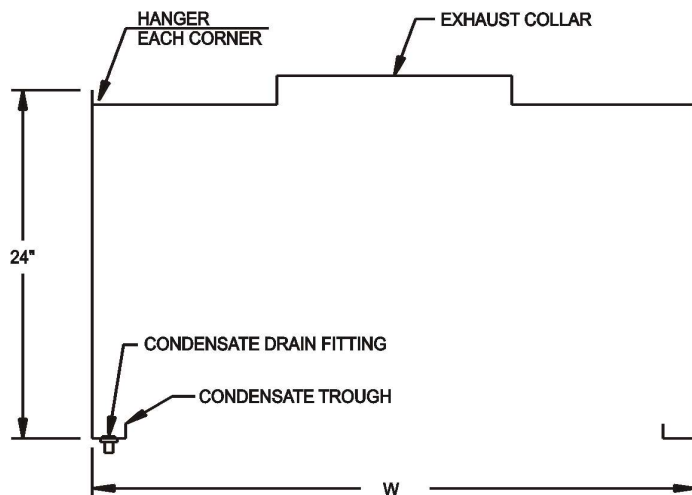
**NOTES:**



## SECTION VIEW

Model: CH1  
(STANDARD CONDENSATE HOOD)

Date.....: 06/12/2024  
Ref. #: L-442182  
Job Name: MAGIC NOODLE 2



Manufactured in Accordance with NFPA-96, IMC, and NSF Listed Standard 2.

### HOOD SIZE & CONFIGURATION

#### HOOD 2

#### L x W x H

4' 0" x 48" x 24" WALL STYLE - HOOD IS 1 SECTION, STAND ALONE

#### MATERIAL

430 STAINLESS STEEL Where Exposed

#### FILTERS

Aluminum Mesh Filter (Shippe

#### LIGHTS

None

#### SECTION 1 4' 0" x 48" x 24"

WEIGHT: 173lbs No ETL Label

COLLARS (See Plan View for Size & Location)

Aluminum Mesh Filter (Shipped Loose) With Rack (Shipped Loos

#### CFM REQUIREMENT:

EXHAUST: 800 CFMS @ .250 S.P.

NOTE.....: S.P. Calculations Include Hood, Filters, and up to 8' of Straight Exhaust Duct.

SUPPLY: 800 CFMS @ .125 S.P.

NOTE.....: S.P. Calculations Include Hood and up to 20' of Straight Supply Duct.

\* SUPPLY AIR INTO ROOM

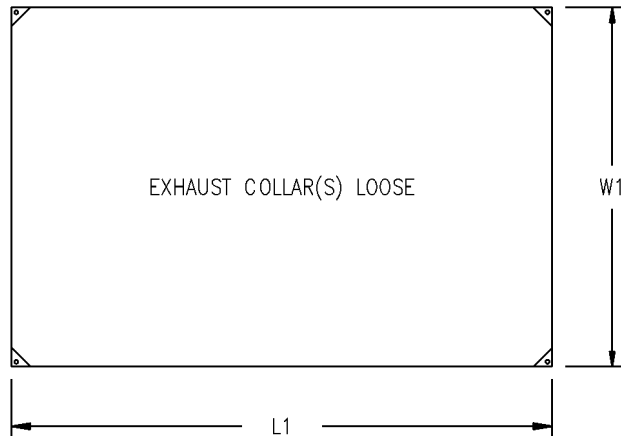
### NOTES:



## PLAN VIEW

**Model: CH1**  
(STANDARD CONDENSATE HOOD)

**Date....:** 06/12/2024  
**Ref. #.:** L-442182  
**Job Name:** MAGIC NOODLE 2



### HOOD SIZE & CONFIGURATION

**HOOD 2** 4' 0" x 48" x 24" WALL STYLE - HOOD IS 1 SECTION, STAND ALONE

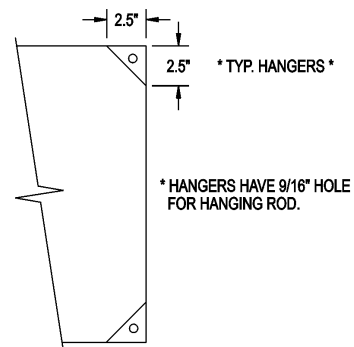
### DIMENSION DATA

L1 - 4' 0"

W1- 48"

**SECTION 1** 4' 0" x 48 " x 24 "

1 - 12X12 - Exhaust Collar Shipped Loose

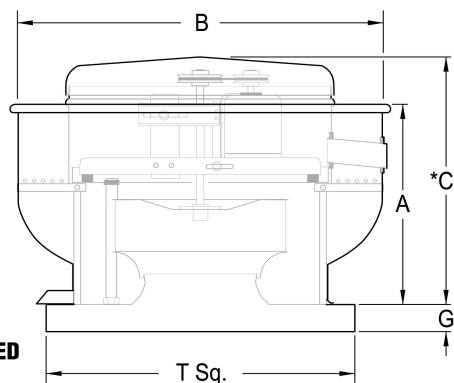


### NOTES:



# UL-762 EXHAUST FAN

Date.....: 06/12/2024  
Ref. #: L-442182  
Job Name: MAGIC NOODLE 2



\* MAY BE GREATER DEPENDING ON MOTOR.



**STANDARD FEATURES:** All Aluminum Housing • Backward Inclined Wheel • Top Cap with Stainless Steel Fasteners • One Piece Wind Band Continuously Welded to the Curb Cap • Prepunched Mounting Holes • Drain Trough • Internal Conduit Chase • Lifting Points • Permanently Lubricated Ball Bearings Motors • Static Resistant Belts • Adjustable Pitch Drives • Bearings Rated at 500,000 Hour Average Life • Motors Matched to Fan Load Mounted Out of Airstream • NEMA-1 Disconnect Switch • UL/cUL 762 Listed "Power Ventilators for Rest. Exh. Applications"

FAN DIMENSIONAL DATA						CURB SIZE	
MODEL	A	B	C	G	T Sq.	H	I
140	19-3/8"	28-7/8"	29-3/4"	1-3/4"	22"	21"	21"
160	19-3/8"	28-7/8"	29-3/4"	1-3/4"	22"	21"	21"
100	17-3/8"	24-7/8"	24-1/8"	1-3/4"	19"	18"	18"

FAN 1 For Hood: 1 SECTION: 1

QUAN	MODEL	CFMS	S.P.	H.P.	VOLTAGE	PHASE	AMPS	WEIGHT
1	XCUBE-140-7	1800	1.250	3/4	208	1	7.60	84

## OPTIONS

Grease Trough for Exhaust Fan  
Hinged Base Kit for Exhaust Fan  
21X21X24 Flat Roof Curb

FAN 2 For Hood: 1 SECTION: 2

QUAN	MODEL	CFMS	S.P.	H.P.	VOLTAGE	PHASE	AMPS	WEIGHT
1	XCUBE-160-10	2400	1.250	1	208	1	8.80	87

## OPTIONS

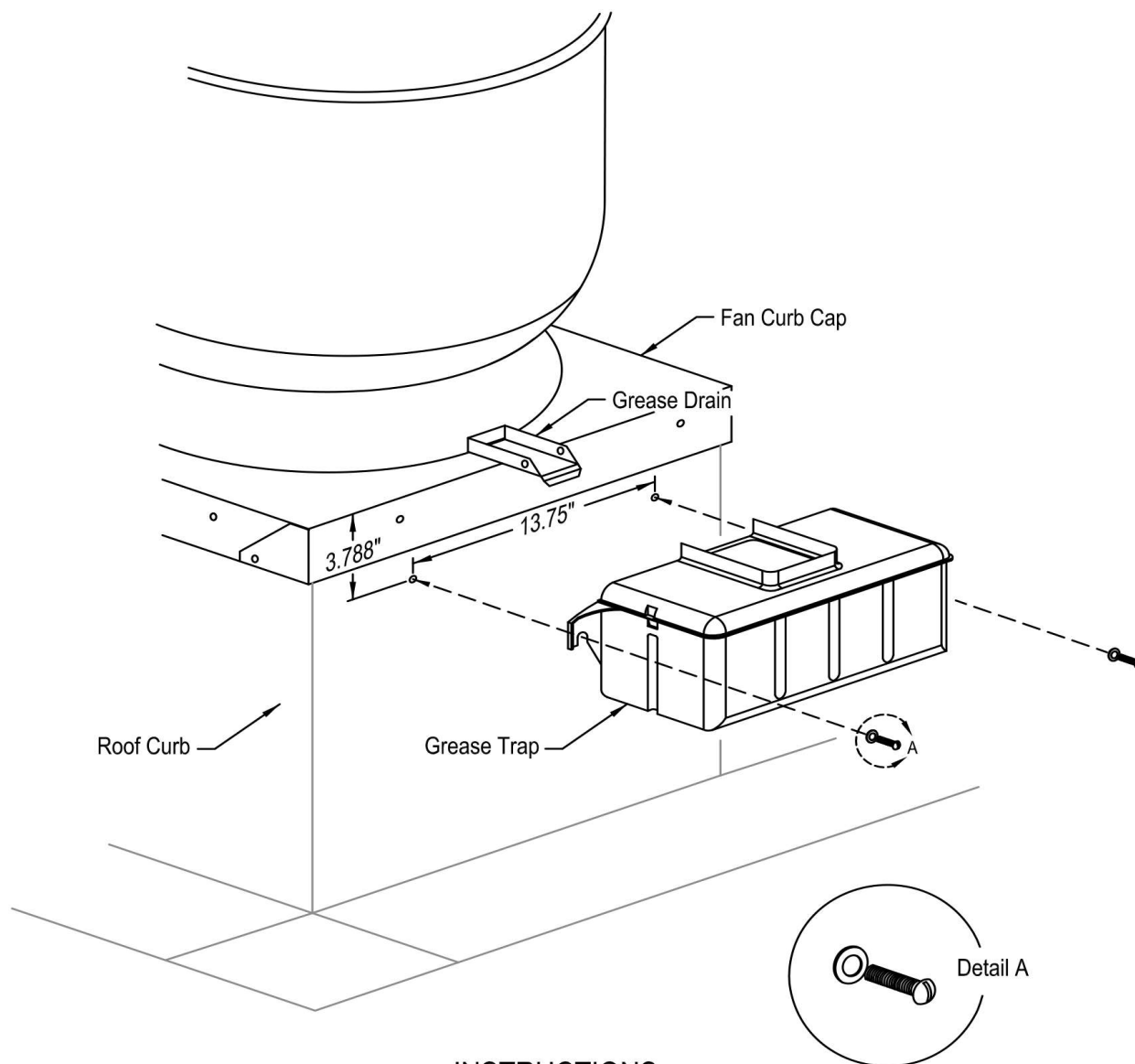
21X21X24 Flat Roof Curb

FAN 1 For Hood: 2 SECTION: 1

QUAN	MODEL	CFMS	S.P.	H.P.	VOLTAGE	PHASE	AMPS	WEIGHT
1	XCUBE-100-4	800	.625	1/4	115	1	5.80	66

## OPTIONS

18X18X26 Flat Roof Curb



## INSTRUCTIONS

1. Locate and mark the container mounting holes on the roof curb.
2. Drill 3/16-inch diameter holes in the marked locations as shown.
3. Attach container with the two supplied 1/4-inch X .75-inch sheet metal fasteners. See detail "A". If curb is vented type, allow space between screw head and container for vent projections.
4. For most climates, fill container with water (after installation and after each cleaning) until it flows out the drain hole. The unit is now ready for use.
5. Check grease trap every month and clean as needed.





## Prewired Incandescent Light(s)

Date....: 06/12/2024  
Ref. #: L-442182  
Job Name: MAGIC NOODLE 2

### Features:

- Vapor proof and sanitary
- Specifically designed for prewired canopy hoods.
- Mounts to any 3 1/2" or 4" standard junction box.
- Rust proof cast aluminum fixtures are provided with a brushed finish to match stainless steel hood interiors.
- Impact and thermal shock resistant globes.

### Specifications:

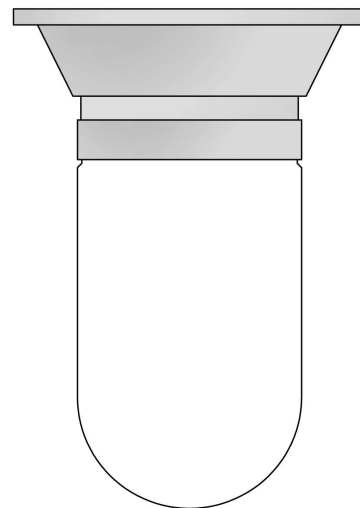
Fixture body: Cast aluminum

Socket: Porcelain body with copper shell

Wire leads: 6" long, 14 awg

Gaskets: Silicone

Globe: Clear thermal shock resistant glass



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



\*Commercial Cooking Hood\*  
File# E 80045

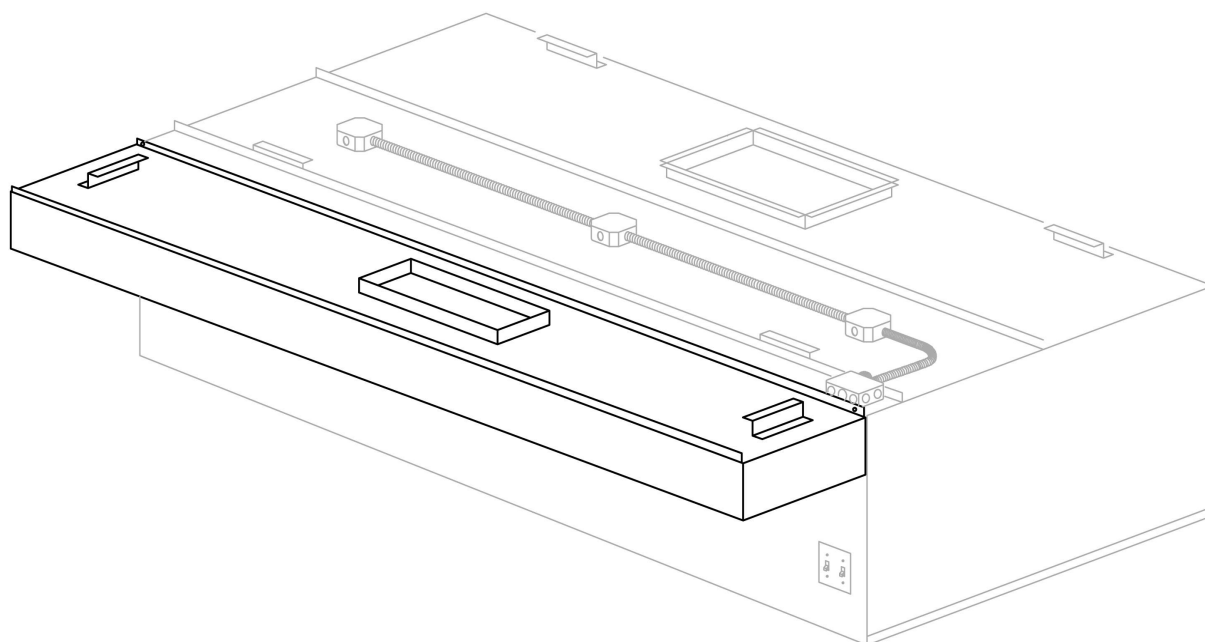


NSF Listed  
\*Criteria C-2\*



## FPSP (Front Perforated Supply Plenum)

Date.....: 06/12/2024  
Ref. #: L-442182  
Job Name: MAGIC NOODLE 2



Make-up air shall be introduced through the (FPSP) Front Perforated Supply Plenum with a stainless steel perforated panel on bottom and internal balancing plate. Mounting brackets shall be located on each end of the plenum (more brackets as needed for longer FPSP). Supply air collar(s) to be 20 GA Aluminized Steel. The FPSP shall be fabricated from Type 304 or 430 stainless steel with # 3 or #4 polish on all exposed surfaces. Plenum to be mounted at front of hood.

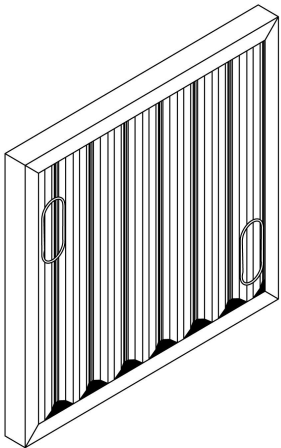
Plenum to be manufactured by LARKIN INDUSTRIES, INC. 1-800-322-4036



BAFFLE TYPE  
GREASE FILTERS

FEATURES

- Stainless Steel 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.



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





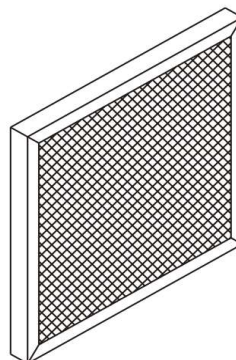
**Aluminum Mesh Filter (Shipped Loose)  
With Rack (Shipped Loose)**

**Date.....:** 06/12/2024  
**Ref. #.:** L-442182  
**Job Name:** MAGIC NOODLE 2

**ALUMINUM MESH  
FILTER**

**FEATURES**

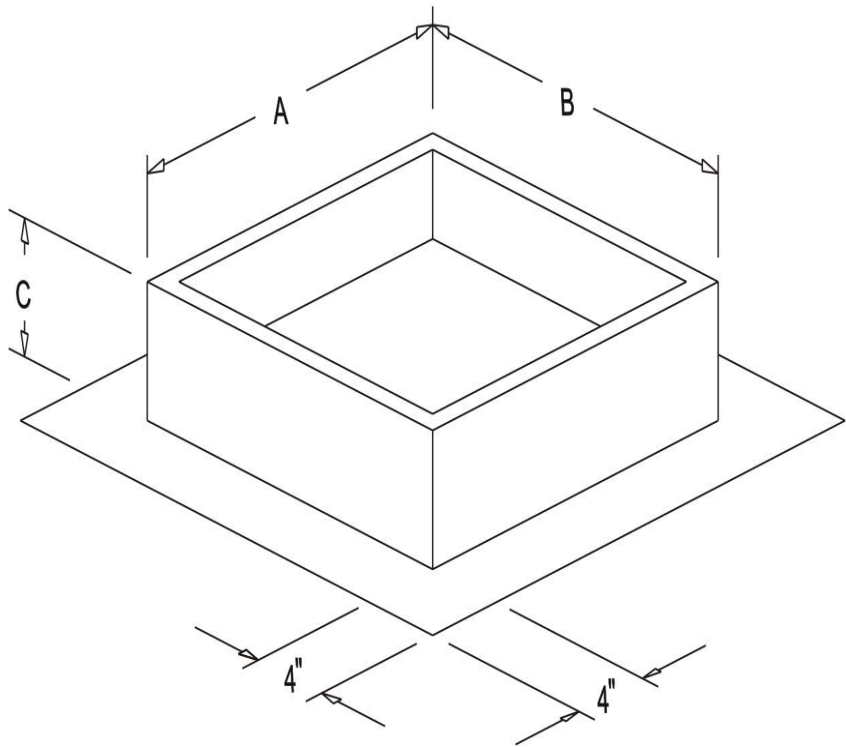
- SUPERIOR DUST HOLDING CAPACITY FOR LONGER FILTER LIFE.
- EASILY CLEANED.
- STAGGERED MULTI-LAYERED SLIT AND EXPANDED ALUMINUM SHEETS FORM HIGHLY EFFECTIVE DUST AND DIRT HOLDING BAFFLES.
- WEB-LOK FRAME DESIGN ASSURES EXTRA RIGIDITY AND DURABILITY.
- MEETS UL CLASS II REQUIREMENTS





Flat Roof Curb

Date..... 06/12/2024  
Ref. #: L-442182  
Job Name: MAGIC NOODLE 2



CURB DIMENSIONAL DATA				
MODEL	A	B	C	WEIGHT
140	21"	21"	24"	53LBS
160	21"	21"	24"	53LBS
100	18"	18"	26"	46LBS

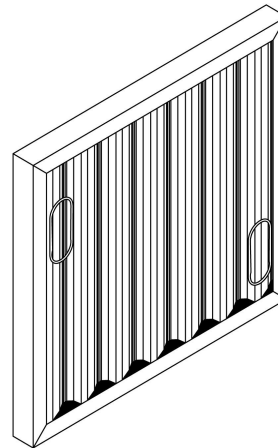
QUANTITY	DESCRIPTION
1	Flat Roof Curb For FAN 1 HOOD 1
1	Flat Roof Curb For FAN 2 HOOD 1
1	Flat Roof Curb For FAN 1 HOOD 2



## BAFFLE TYPE GREASE FILTERS

### FEATURES

- 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.



### 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

