

AMCA SOUND AND AIR CERTIFIED

- GREASE CLASSIFICATION TESTING

- WEATHERPROOF DISCONNECT - HIGH HEAT OPERATION 300°F (149°C)

OPTIONS:

-GREASE DRAIN

EF-1: EXHAUST FAN (s) DETAIL (DU50HFA)

ROOF LINE -

SCALE: N.T.S.

WIRING FROM MOTOR TO DISCONNECT SWITCH

NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY
WHILE EXHAUSTING AIR AT 300T (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 VT 600°F (316°C) FOR A PERIOD OF

5 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE

E QNTY.

A2

<u>A5</u>

A6

A9

A12

A13 A14

A15

ACCEPTABLE MANUFACTURERS: COOK, GREENHECK AND ACME

MANUFACTURER

MICHIGAN DIVERSIFIED METALS EQUIPMENT STAND

1 ATOSA EQUIPMENT STAND REFRIGERATED BASE

2 PATRIOT 45-50 LB. LP GAS FRYER

1 ATOSA SALAD PREP REFRIGERATOR

COMSTOCK-CASTLE GRIDDLE

SHAWARMA MACHINE

1 | CHICKEN HEATED DISPLAY CASE

3 COMPARTMENT SINK

1 ATOSA HOT PLATE

1 38" VEGETABLE SINK

MOP SINK

1 FOOD WARMER

1 CONVECTION OVEN

1 | EQUIPMENT TABLE

A11 1 HAND SINK

MODEL

PT-F4-NG

ACHP-2

MSF8307GR

CCHG-48T-1

EQ5-1930-HD

MGF8452GR

DIMENSIONS

16 1/2"W x 32 1/4"D x 33 1/2"H

12"W x 27.75"D x 13"H

60"W x 34"D x 46 5/8"H

48"Wx30"Dx15.25'H

17"W x 17"D x 32.5"H

19"W x 30"D x 35"H

92'Wx24"Dx43 3/4H

12"Wx12"D

24"Wx24"D

60"W x 30"D x 34"H

60 1/2"W x 33"D x 26 3/5"H

FILTERED

LCURB OUTER WALL

└ GAS INLET

ELECTRICAL

ACCESS DOOR

MUA-1: DIRECT FIRED MAKE-UP AIR UNIT DETAIL (TYP.)

SIDE VIEW

├---- W ------

BLOWER/MOTOR

ACCESS DOOR

SERVICE

DISCONNECT

SWITCH

20" HIGH FULL PERIMETER CURB

INTAKE

AIRFLOW

5-14-20 | REV. PER 5/8/20 LETTER PERMITTING DATE | DESCRIPTION

11-15-23 AS BUILT EQUIPMENT

7-20-23 | REVIEW COMMENTS

GK CONSULTING INC.

GHASSAN KHALAF, P.E. TEL: 313-377-9449

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COPYRIGH⁻

DUPLICATION STRICTLY PROHIBITED WITHOUT THE WRITTEN CONSENT OF CONSULTANT.

I hereby certify that this plan and specification was prepared by me or under my direct supervision and that I am a duly registered Architect or Engineer under the Laws of the State of Michigan by my hand and seal.

SHASSAN Shassan KV

GARDEN CITY, MI 48135

SHASSAN KHALAF

LV PETRO, LLC BP FUELING STATION

OWNER AND THE CONTRACTORS ARE THE SOLELY RESPONSIBLE FOR THE PERFORMANCE AND THE EXECUTION OF THE PROJECT AND IT IS THEIR RESPONSIBILITY FOR THE SAFETY OF THE BUILDING STRUCTURE AND THE MATERIALS USED TO RENOVATE AND CONSTRUCT THE

Applicable codes:

2015 MICHIGAN BUILDING CODE 2015 MICHIGAN REHABILITION CODE 2015 INTERNATIONAL FIRE CODE 2018 MICHIGAN PLUMBING CODE 2015 MICHIGAN MECHANICAL CODE 2017 NATIONAL ELECTRIC CODE, WITH PART 8 ANSI 117.1-2009 ACCESSIBILITY 2009 MICHIGAN ENERGY CODE -

SHEET TITLE

HVAC PLAN

SCALE

<u>AMP</u> <u>H.P.</u> <u>BTU/H</u>

1/5

<u>2.8</u>

<u>2.3</u> | 1/7

120,000

64,000

120,000

30,000

VOLTS/PHASE

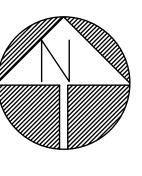
115/60/1 PH

<u>120/60/1 PH</u>

<u>115/60/1 PH</u>

AS NOTED

SHEET No.



10FT Hood System

All makeup air hoods are constructed of 18 gauge steel All joints are welded liquid tight, without seams by an automatic wire fed mig welder

Made in USA

All hoods are UL710 Listed and built in accordance with NFPA 96, NSF specifications. NEW IPS (Internal Perforated Supply Plenum) is manufactured with High Quality 304 Stainless Perforated material.

Internal Perforated Supply Plenum enhances mixing Supply Air into the primary Effluent air being discharged.

Removable for ease of cleaning.

Grease trough is made to receive grease extracted by filters

Stainless Steel UL listed Grease Baffle Filters

A stainless steel cup attaches to the tray that runs beneath the entire length of the hood 2 Year Warranty

Exhaust Fan (1pc) 28B 2500 CFM, 115/230V Supply Fan (1pc) SF7 Untempered 2000 CFM, .250 SP, 230V, 60HZ Mounting Curb Wall / Roof (2pcs) New 304 Stainless (IPS) Internal Perforated Supply Plenum Stainless Steel UL listed Grease Baffle Filters Pre-Wired Light(s) Stainless Grease Cup(s) Hanging Brackets



SHORT CYCLE MAKEUP AIR WITH NEW IPS (INTERNAL PERFORATED SUPPLY) TECHNOLOGY





LEARN MORE

IPS (Internal Perforated Supply) slows air to assist in capture and containment

HoodMart's Short Cycle Makeup Air with I.P.S. (Internal Perforated Supply) removes grease laden vapors from the air without causing negative air pressure. This allows using a fresh makeup air fan instead of a costly tempered air unit.

- ❖ I.P.S. (Internal Perforated Supply) takes advantage of the Coanda Effect created inside the hood, further assisting with capture and containment of grease laden vapors.
- Short Cycle Make Up Air hoods with NEW I.P.S. (Internal Perforated Supply Plenum) slows the air by diffusing air across length of hood for ease of balancing. ❖ I.P.S enhances mixing Supply Air into the primary Effluent Air being discharged, reducing exhaust temperature, and increasing hood efficiency.
- ❖ Our UL710 hood design has the Lowest CFM per ft for appliances that operate up to 700-degree (UL or ETL) in the industry.
- ❖ I.P.S. (Internal Perforated Supply) is easily removed for ease of cleaning.
- First and only UL Listed hood that does not require factory cut duct connections.
- Allows for flexibility on supply connections when site is less than ideal.





IPS (Internal Perforated Supply)

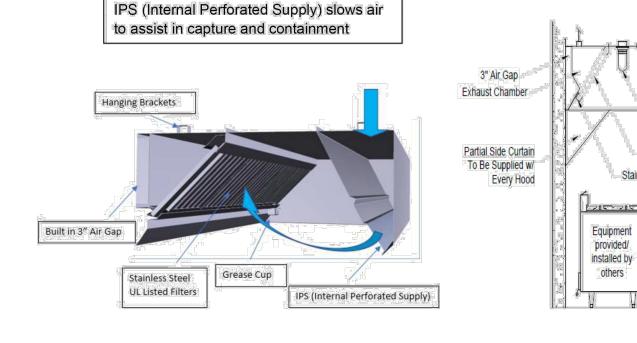
100W Pre-Wired Lights

Exhaust

20" Baffle Grease Filter

Stainless Steel Grease Cup

Cooking



Optional Equipment:

Exhaust and Supply Fans – UL and ETL Mounting Curbs – Flat or Pitched (Wall Mount - check for availability) Fire Suppression System – Listed UL300

(Ansul or Kidde available)

Utility Cabinet – Side Mount to hood made with matching stainless steel ➤ Ceiling Enclosure - Stainless Steel to cover from top of hood to ceiling

<u></u>	Ho	Hood Dimensions		Air Flow (CFM) per Linear Ft.
О	Hood Widths	Min 30"	400F	150 CFM
	Hood Length	Min 3'-0"	600F	200 CFM
	Hood Height	18" or 24"	700F	250 CFM
	Low Profile (Sloped) Front Hood (Available) Dimension 6" – 24"			

NORTH AMERICAN KITCHEN SOLUTIONS, INC 172 REASER COURT ELYRIA, OH 44035 TEL: 1.440.365.4567 E-MAIL: SALES@NAKSINC.COM







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GARDEN CITY, MI 48135

7-20-23 | REVIEW COMMENTS

DATE DESCRIPTION

9-9-19 PERMITTING

5-14-20 | REV. PER 5/8/20 LETTER

I hereby certify that this plan and specification was prepared by me or under my direct supervision and that I am a duly registered Architect or Engineer under the Laws of the State of Michigan by my hand and seal.

GHASSAN KHALAF **ENGINEER** Thassan Kha

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SHEET TITLE

HOOD AND MAKE **UP AIR DETAILS**

SCALE

AS NOTED

SHEET No.

