HOOD INFORMATION – Job#4127861

HOOD NO.	TAG	MODEL	LENGTH	MAX. COOKING TEMP.	APPLIANCE DUTY	DESIGN CFM/ft	TOTAL EXH. CFM	EXHAUST PLENUM RISER(S) WIDTH	LENG.	HEIGHT	DIA.	CFM	VEL.	S.P.	MUA CFM	AC CFM	HOOD CONSTRUCTION	HOOD CONFIG. END TO END	ROW
1		4824 ND-2-ACPSP-F	9' 11.5"	600 Deg.	Heavy	299	2975	12"	22"	4"		2975	1623	-0.524"	2380	446	430 SS Where Exposed	LEFT	ALONE
2		4824 ND-2-ACPSP-F	9' 11.5"	600 Deg.	Heavy	299	2975	12"	22"	4"		2975	1623	-0.524"	2380	446	430 SS Where Exposed	RIGHT	ALONE

PATENT NUMBERS

AC-PSP (United States) - US Patent 7963830 B2
AC-PSP Wall (Canada) - CA Patent 2820509
AC-PSP Island (Canada) - CA Patent 2520330

HOOD INFORMATION

HOOD NO.	TAG	FILTER(S) TYPE	QTY.	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	LIGHT(S) QTY.	TYPE	WIRE GUARD	LOCATION	SIZE	UTILITY CABINET(S) FIRE SYSTEM TYPE	FIRE SYSTEM SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	FIRE SYSTEM PIPING	HOOD HANGING WGHT
1		SS Baffle with Handles	7	20"	16"	30%	5	L55 Series E26	NO	Wall Mnt	12"x54"x24"	Ansul R102	3.0/3.0/3.0	SC-321110FP-SEP	1 Light 1 Fan	YES	529 LBS
2		SS Baffle with Handles	7	20"	16"	30%	5	L55 Series E26	NO	Right	20"x48"x24"					YES	620 LBS

PERFORATED SUPPLY PLENUM(S)

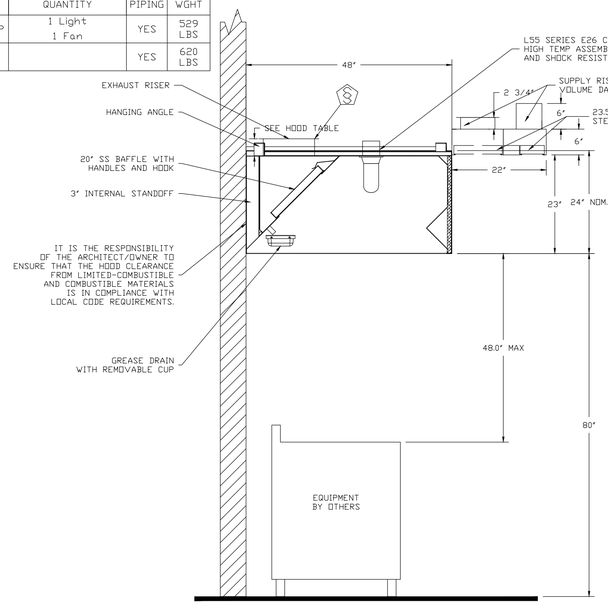
HOOD NO.	TAG	POS.	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S) WIDTH	LENG.	DIA.	CFM	S.P.
1		Front	119.5"	22"	6"	MUA	10"	28"		1189	0.524"
						MUA	10"	28"		1189	0.524"
						AC			8"	223	0.121"
						AC			8"	223	0.121"
2		Front	139.5"	22"	6"	MUA	10"	28"		1189	0.476"
						MUA	10"	28"		1189	0.476"
						AC			8"	223	0.121"
						AC			8"	223	0.121"

NOTE: UNLESS OTHERWISE STATED, PANDA RESTAURANT GROUP SHALL PROVIDE ALL EQUIPMENT ON THE FOLLOWING CAPTIVEAIRE SHEETS, INCLUDING: HOODS, FIRE SYTEM, EXHAUST FANS, SUPPLY FAN, BATHROOM FAN AND ELECTRICAL INTERLOCK PACKAGE

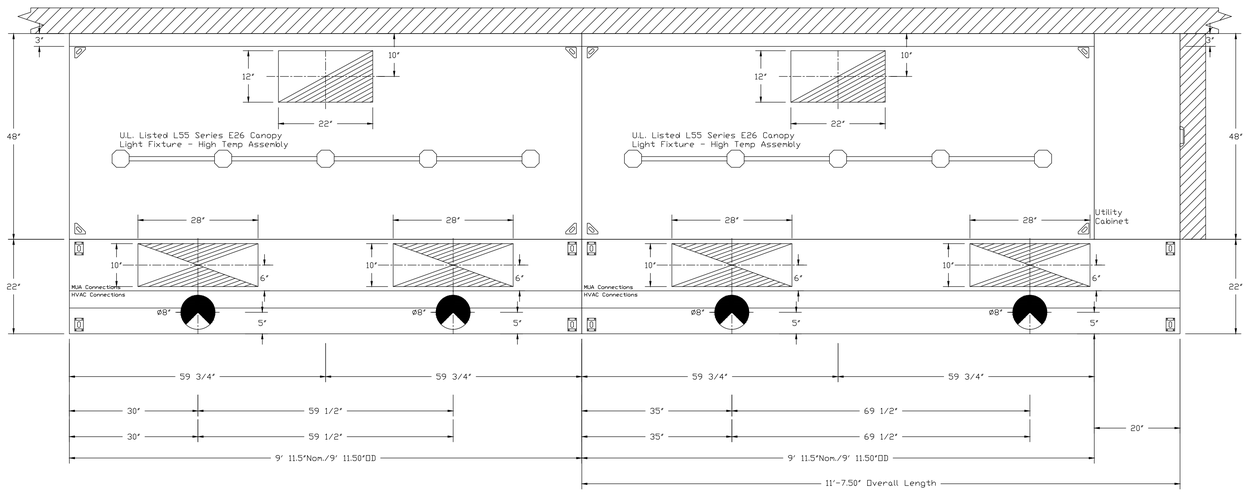
ANSUL GAS VALVE:

THE ANSUL GAS VALVE IS PROVIDED BY CAPTIVEAIRE SYSTEMS. CONTACT OUR OFFICE WITH THE VALVE SIZE 3 DAYS IN ADVANCE OF WHEN IT IS NEEDED ON SITE.

FOR QUESTIONS CALL THE
CAPTIVEAIRE
SOUTHERN CALIFORNIA OFFICE
STONE MILL DESIGN CENTER
2915 RED HILL AVE, SUITE C106
COSTA MESA, CA 92626
TEL: 800-967-7701 EMAIL: REG86@CAPTIVEAIRE.COM



SECTION VIEW – MODEL 4824ND-2-ACPSP-F
HOOD – #1, #2

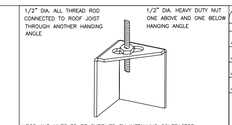


PLAN VIEW – Hood #1
9' 11.50" LONG 4824ND-2-ACPSP-F

ACPSP ships loose for field installation

PLAN VIEW – Hood #2
9' 11.50" LONG 4824ND-2-ACPSP-F

ACPSP ships loose for field installation

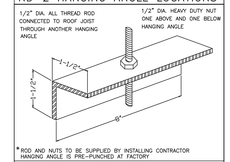


* ROD AND NUTS TO BE SUPPLIED BY INSTALLING CONTRACTOR
HANGING ANGLE IS PRE-PUNCHED AT FACTORY

ND-2 HANGING ANGLE DETAIL

HOOD STYLE		DIM FROM REAR	DIM FROM FRONT (24"/30"H)	DIM FROM LEFT/RIGHT (24"/30"H)
ND-2				
CANOPY	EXHAUST ONLY	4.166"	2.246"	2.25"
	WITH MUA	4.166"	2.246"	2.25"
BACKSHELF	EXHAUST ONLY	4.166"	2.246"	2.25"
	WITH MUA	4.166"	2.246"	2.25"
CONDENSATE		2.246"	2.246"	2.25"

ND-2 HANGING ANGLE LOCATIONS



* ROD AND NUTS TO BE SUPPLIED BY INSTALLING CONTRACTOR
HANGING ANGLE IS PRE-PUNCHED AT FACTORY

ND HANGING ANGLE DETAIL

HOOD STYLE		DIM FROM REAR	DIM FROM FRONT (24"/30"H)	DIM FROM LEFT/RIGHT (24"/30"H)
ND				
CANOPY	EXHAUST ONLY	5.00"	10.5" / 5"	5.00"
	WITH MUA	5.00"	10.5" / 5"	5.00"

ND HANGING ANGLE LOCATIONS

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH

NFPA #96
UL 710 & ULC710 STANDARDS
E.T.L. LISTED 3054804-001

BUILDING CODES

CAPTIVE-AIRE HOODS HAVE OPTIONAL CLEARANCE REDUCTION SYSTEMS AVAILABLE AS FOLLOWS:

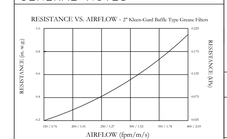
MATERIAL	CLEARANCE REDUCTION SYSTEM
NON-COMBUSTIBLE	NONE REQUIRED
LIMITED-COMBUSTIBLE	3" UNINSULATED STANDOFF
COMBUSTIBLE	3" INSULATED STANDOFF

CLEARANCE TO COMBUSTIBLES

GENERAL NOTES:

1. ELECTRICAL HOOK-UP TO GAS MOTOR CONTROLS (MOTOR STARTERS, FAN SWITCHES, FAN DISCONNECTS, RELAYS, ETC.) BY OTHERS
2. FIRE CHASE BY OTHERS, IF REQUIRED.
3. ALL PHASES OF INSTALLATION SHALL COMPLY WITH NFPA 96.
4. WRITTEN MEASUREMENTS HAVE PRECEDENCE OVER SCALE.
5. PROVIDE CLEANOUTS IN EXHAUST AIR DUCTS AS INDICATED TO ALLOW CLEANING AT ALL BENDS AND HORIZONTAL RUNS.
6. EXHAUST DUCT TO BE 16 GA. 304 STEEL ALL SEAMS AND JOINTS TO HAVE A LIQUID TIGHT CONTINUOUS EXTERNAL WELD.
7. FAN TO HAVE A MINIMUM OF 10 FT. OF CLEARANCE FROM THE OUTLET TO ADJACENT BUILDINGS, PROPERTY LINES, AIR INTAKES OR 3 FT. VERTICAL CLEARANCE PER NFPA96.
8. HORIZONTAL EXHAUST DUCT TO SLOPE NOT LESS THAN 1/4" PER FOOT TOWARD HOOD FOR DUCT LESS THAN 75' LONG.
   1" PER FOOT SLOPE FOR DUCT LONGER THAN 75'
9. HOOD TO OVERHANG COOKING EQUIPMENT 6" ON ALL OPEN SIDES.
10. EXHAUST DUCT TO BE PROTECTED FROM COMBUSTIBLES PER NFPA96 AND LOCAL CODE.
11. BUILDING PRESSURE SHALL NOT EXCEED 0.02" WATER COLUMN AT EXTERIOR DOORS.
12. KITCHEN SHALL BE BALANCED TO BE NEGATIVE WITH RESPECT TO THE DINING ROOM.

GENERAL NOTES



RESEARCH PRODUCTS CORPORATION

Kleen-Gard Baffle Type Filters are
UL Classified Grease Extracting Filters.
MEA # 168-78-M Aluminum
MEA # 247-96-E Stainless Steel

FILTER DETAIL

REVISIONS

	DESCRIPTION	DATE:
1		
2		
3		
4		

CAPTIVE-AIRE
Southern California Office
3002 Dow Ave., Suite 410, Tustin, CA. 92780 PHONE: (714) 957-1500 FAX: (919) 227-5975 EMAIL: reg86@captiveaire.com
www.captiveaire.com

Panda Express - Fairfax VA (D7446)

DATE: 12/18/2019
DWG.#: 4127861
DRAWN BY: AH-86
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 1

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
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REVISIONS:

ISSUE DATE:

1	PEER REVIEW	01-27-2020
2	PR RESPONSE 1	02-21-2020
3	BUILDING PERMIT	03-11-2020

DRAWN BY: J. DESKINS

PANDA PROJECT #: D7446
ARCH PROJECT #: JCDT19-0314

FOR INFORMATION ONLY

NORR
ARCHITECTS ENGINEERS PLANNERS

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FAIRFAX, VA 22033

M-400

HOOD DETAIL PLAN