

HOOD INFORMATION - Job#2870108

HOOD UNIT NO.	TAG	MODEL	LENGTH	MAX. EXHAUST TEMP.	TOTAL EXHAUST CFM	EXHAUST RISE	TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD END	HOOD END	PATENT NUMBERS
1		S430	12'-0.00"	600	4000	20'	3417	430 SS Where Specified	ALDNE	ALDNE	AC-PSP (United States) - US Patent 7963939 B2 AC-PSP (Canada) - CA Patent 2868209 AC-PSP (Spain) - ES Patent 2580300

HOOD INFORMATION

HOOD UNIT NO.	TAG	TYPE	BTY	HEIGHT	LENGTH	EFFICIENCY # 9 HOODING	BTY	TYPE	WIRE GAUGE	LOCATION	SIZE	TYPE	HOOD SYSTEM HANGING (FT/IN)	HOOD SYSTEM HANGING (LBS)	
1		Captrate Solo Filter	9	20"	12'	92% See Filter Spec.	4	Screw In Compact	NO	Right	12"x24"x20"	TYPE	SIZE	1 LSP#1 1 Fan	NO 867 LBS

HOOD OPTIONS

HOOD UNIT NO.	TAG	BACKPLASH	800° High X 156.00" Long	430 SS Vertical
1		RIGHT QUARTER END PANEL	20" Top Width, 12" Bottom Width, 20" High	430 SS
		STRUCTURAL FRONT PANEL		
		LEFT VERTICAL END PANEL	20" Top Width, 20" Bottom Width, 80" High	Insulated 430 SS

PERFORATED SUPPLY PLANNING(S)

HOOD UNIT NO.	TAG	POS.	LENGTH	WIDTH	HEIGHT	TYPE	WIDTH	LENGTH	DIAM.	CFM	S.P.
1		Front	156"	20"	6"		156"	24"	483	0.206"	
							156"	24"	483	0.206"	
							156"	24"	483	0.206"	
							156"	24"	483	0.206"	

SPECIFICATION: CAPTRATE® GREASE-STOP® SOLID FILTER

THE CAPTRATE GREASE-STOP SOLID FILTER IS A SINGLE-STAGE FILTER FEATURING A GREASE-SHEDDING DESIGN IN CONJUNCTION WITH A SLOTTED REAR Baffle DESIGN TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2'-HIGH HOOD CHANNELS.

UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 90% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

THE CAPTRATE GREASE-STOP SOLID WAS TESTED TO ASTM STANDARD ASTM F2030-05.

CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH NSF-696 NSF-697 NSF-698 NSF-699 NSF-700 NSF-701 NSF-702 NSF-703 NSF-704 NSF-705 NSF-706 NSF-707 NSF-708 NSF-709 NSF-710 NSF-711 NSF-712 NSF-713 NSF-714 NSF-715 NSF-716 NSF-717 NSF-718 NSF-719 NSF-720 NSF-721 NSF-722 NSF-723 NSF-724 NSF-725 NSF-726 NSF-727 NSF-728 NSF-729 NSF-730 NSF-731 NSF-732 NSF-733 NSF-734 NSF-735 NSF-736 NSF-737 NSF-738 NSF-739 NSF-740 NSF-741 NSF-742 NSF-743 NSF-744 NSF-745 NSF-746 NSF-747 NSF-748 NSF-749 NSF-750 NSF-751 NSF-752 NSF-753 NSF-754 NSF-755 NSF-756 NSF-757 NSF-758 NSF-759 NSF-760 NSF-761 NSF-762 NSF-763 NSF-764 NSF-765 NSF-766 NSF-767 NSF-768 NSF-769 NSF-770 NSF-771 NSF-772 NSF-773 NSF-774 NSF-775 NSF-776 NSF-777 NSF-778 NSF-779 NSF-780 NSF-781 NSF-782 NSF-783 NSF-784 NSF-785 NSF-786 NSF-787 NSF-788 NSF-789 NSF-790 NSF-791 NSF-792 NSF-793 NSF-794 NSF-795 NSF-796 NSF-797 NSF-798 NSF-799 NSF-800 NSF-801 NSF-802 NSF-803 NSF-804 NSF-805 NSF-806 NSF-807 NSF-808 NSF-809 NSF-810 NSF-811 NSF-812 NSF-813 NSF-814 NSF-815 NSF-816 NSF-817 NSF-818 NSF-819 NSF-820 NSF-821 NSF-822 NSF-823 NSF-824 NSF-825 NSF-826 NSF-827 NSF-828 NSF-829 NSF-830 NSF-831 NSF-832 NSF-833 NSF-834 NSF-835 NSF-836 NSF-837 NSF-838 NSF-839 NSF-840 NSF-841 NSF-842 NSF-843 NSF-844 NSF-845 NSF-846 NSF-847 NSF-848 NSF-849 NSF-850 NSF-851 NSF-852 NSF-853 NSF-854 NSF-855 NSF-856 NSF-857 NSF-858 NSF-859 NSF-860 NSF-861 NSF-862 NSF-863 NSF-864 NSF-865 NSF-866 NSF-867 NSF-868 NSF-869 NSF-870 NSF-871 NSF-872 NSF-873 NSF-874 NSF-875 NSF-876 NSF-877 NSF-878 NSF-879 NSF-880 NSF-881 NSF-882 NSF-883 NSF-884 NSF-885 NSF-886 NSF-887 NSF-888 NSF-889 NSF-890 NSF-891 NSF-892 NSF-893 NSF-894 NSF-895 NSF-896 NSF-897 NSF-898 NSF-899 NSF-900 NSF-901 NSF-902 NSF-903 NSF-904 NSF-905 NSF-906 NSF-907 NSF-908 NSF-909 NSF-910 NSF-911 NSF-912 NSF-913 NSF-914 NSF-915 NSF-916 NSF-917 NSF-918 NSF-919 NSF-920 NSF-921 NSF-922 NSF-923 NSF-924 NSF-925 NSF-926 NSF-927 NSF-928 NSF-929 NSF-930 NSF-931 NSF-932 NSF-933 NSF-934 NSF-935 NSF-936 NSF-937 NSF-938 NSF-939 NSF-940 NSF-941 NSF-942 NSF-943 NSF-944 NSF-945 NSF-946 NSF-947 NSF-948 NSF-949 NSF-950 NSF-951 NSF-952 NSF-953 NSF-954 NSF-955 NSF-956 NSF-957 NSF-958 NSF-959 NSF-960 NSF-961 NSF-962 NSF-963 NSF-964 NSF-965 NSF-966 NSF-967 NSF-968 NSF-969 NSF-970 NSF-971 NSF-972 NSF-973 NSF-974 NSF-975 NSF-976 NSF-977 NSF-978 NSF-979 NSF-980 NSF-981 NSF-982 NSF-983 NSF-984 NSF-985 NSF-986 NSF-987 NSF-988 NSF-989 NSF-990 NSF-991 NSF-992 NSF-993 NSF-994 NSF-995 NSF-996 NSF-997 NSF-998 NSF-999 NSF-1000

CUSTOMER APPROVAL TO MANUFACTURE:

Approved as Noted
Approved with NO Exception Taken
Revise and Resubmit
SIGNATURE: _____ DATE: _____
Year: _____

JOB Washington Ave Restaurant r2
LOC LYCOTON BIDDEFORD, ME
DATE 12/21/2016 **JOB #** 2870108
DWG # 1 **DRAWN BY** BFC-21
REV: **SCALE** 3/8" = 1'-0"

HOOD SYSTEM INFORMATION

PLAN VIEW - Hood #1
12'-0.00" LONG 5430ND-2-PSP-F

NOTE: Additional hanging angles provided for hoods 12' and longer.

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DATE 12/21/2016 **JOB #** 2870108
DWG # 2 **DRAWN BY** BFC-21
REV: **SCALE** 3/8" = 1'-0"

HOOD PLAN VIEW

EXHAUST FAN INFORMATION - Job#2870108

FAN UNIT NO.	TAG	FAN UNIT MODEL #	CFM	ESP	HP	BHP	#	VOL. FLA	WEIGHT (LBS)	SDNES
1		HC400PFA	4000	1.750	1024	0.800	12600	1	230	174

FAN INFORMATION - Job#2870108

FAN UNIT NO.	TAG	FAN UNIT MODEL #	BLDGVN	HOLDING	SECTION	ESP	HP	BHP	#	VOL. FLA	WEIGHT (LBS)	SDNES	
2		AS-GB2	GB	A2	2417	0.400	696	1.500	0.999	1	230	6.8	385

FAN OPTIONS

HOOD UNIT NO.	TAG	OPTION (Qty. - Desc.)
1		1 - Grease Box
		1 - 3 Year Extended Motor Warranty
		1 - Extra Set of Belts
		1 - Fan Base Ceramic Seal - For Grease Ducts
		1 - Fan Crating For Unheated Fans
		1 - Gravity Induction's Support For Size 2 Housing
		1 - Extra Set of Belts
		1 - 3 Year Extended Motor Warranty

FAN ACCESSORIES

FAN UNIT NO.	TAG	EXHAUST	SUPPLY
1		GREASE SAMPLER CLIP MOUNT	WALL MOUNT
2		YES	YES

CURB ASSEMBLIES

NO.	FAN	WEIGHT	ITEM	SIZE
1	1	48 LBS	Curb	31.500"V x 31.500" x 24.000" Vertical Hinged
2	2	50 LBS	Curb	31.500"V x 31.500" x 24.000"

FAN SOUND INFORMATION

FAN UNIT NO.	MOTOR	HP	LVA	SDNES	DBA	DISTANCE FT.	OCTAVE 1	OCTAVE 2	OCTAVE 3	OCTAVE 4	OCTAVE 5	OCTAVE 6	OCTAVE 7	OCTAVE 8
1	Exhaust	833	83	80	71.5	5	76.6	89.6	87	79.1	74	71.5	66.4	62.4
2	Supply	656	704	171	67.5	5	85.4	82.8	77.9	75.2	73.6	72	68.3	63.3

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JOB Washington Ave Restaurant r2
LOC LYCOTON BIDDEFORD, ME
DATE 12/21/2016 **JOB #** 2870108
DWG # 4 **DRAWN BY** BFC-21
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FAN SCHEDULES

SECTION VIEW - MODEL 5430ND-2-PSP-F HOOD - #1

IT IS THE RESPONSIBILITY OF THE ARCHITECT/OWNER TO ENSURE THAT THE HOOD CLEARANCE FROM LIMITED-COMBUSTIBLE AND COMBUSTIBLE MATERIALS IS IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS.

EXHAUST RISER HANGING ANGLE

20" CAPTRATE SOLID FILTER WITH HOOD

3" INTERNAL STANDOFF

GREASE DRAIN WITH REMOVABLE CLIP

RIGHT QUARTER END PANEL

EXHAUST RISER HANGING ANGLE

ATTACHING SUPPLY RISER WITH VOLUME DAMPER

23.5% OPEN STAINLESS STEEL PERFORATED PANEL

SCREW IN COMPACT FLUORESCENT BULB, L55 SERIES 25W CANDY LIGHT FIXTURE - HIGH TEMP ASSEMBLY INCLUDES CLEAR THERMAL AND SHOCK RESISTANT GLOBE

U.L. Listed Screw In Compact Fluorescent Bulb

MINIMUM 3FT SERVICE CLEARANCE REQUIRED ON THIS END OF THE HOOD FOR ACCESS INTO UTILITY CABINET COMPONENTS

ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 ORINUM ALL-THREAD SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 ORINUM STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 ORINUM HEX NUTS AS SHOWN. MUST USE DOUBLE HEX NUT CONFIGURATION ABOVE CEILING ANCHOR AND ABOVE CEILING ANCHOR. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

ASSEMBLY INSTRUCTIONS

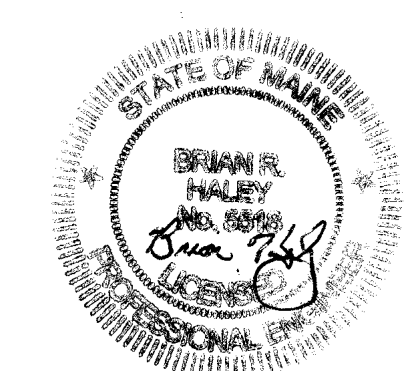
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LOC LYCOTON BIDDEFORD, ME
DATE 12/21/2016 **JOB #** 2870108
DWG # 3 **DRAWN BY** BFC-21
REV: **SCALE** 3/8" = 1'-0"

HOOD ELEVATION



FOR CONSTRUCTION

HALEY'S METAL SHOP, INC.
539 ELM STREET
BIDDEFORD, MAINE 04005
PH: 207-284-8571, FAX: 207-284-9597

HALEY'S Metal Shop, Inc.
Since 1917

DATE: 12/22/16
SCALE: NTS

CONG TU BOT RESTAURANT
PORTLAND, MAINE
DETAILS AND SCHEDULES

HVAC

M-3