

**HOOD INFORMATION - JOB#6328705**

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST FLENUM (RISERS)				TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG			
										WIDTH	LENG	HEIGHT	DIA			CFM	VEL	SP	END TO
1	#1 L	5424	ADVANCED HOOD	7' 0"	600 DEG	1	HEAVY	275	1925	10"	18"	4"	1925	1540	-0.744"	1540	430 SS WHERE EXPOSED	LEFT	ALONE
2	#1 R	5424	ADVANCED HOOD	7' 6"	600 DEG	1	HEAVY	275	2062	10"	19"	4"	2062	1563	-0.827"	1650	430 SS WHERE EXPOSED	RIGHT	ALONE

**HOOD INFORMATION**

HOOD NO	TAG	TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	UTILITY CONNECTIONS		ELECTRICAL	SWITCHES	FIRE HOOD SYSTEM	HOOD PIPING WEIGHT
												FIRE SYSTEM	SIZE				
1	#1 L	CAPTRATE SOLID FILTER	5	20"	16"	85% SEE FILTER SPEC	2	RECESSED ROUND	NO	LEFT	12"x54"x24"	TANK FS	4.0/4.0/4.0				842 LBS
2	#1 R	CAPTRATE SOLID FILTER	5	20"	16"	85% SEE FILTER SPEC	2	RECESSED ROUND	NO								472 LBS

**HOOD OPTIONS**

HOOD NO	TAG	FIELD WRAPPER	18.00" HIGH	FRONT, LEFT.
1	#1 L	BACKSPASH	80.00" HIGH X 186.00" LONG	430 SS VERTICAL.
2	#1 R	FIELD WRAPPER	18.00" HIGH	FRONT, RIGHT.

**PERFORATED SUPPLY PLENUM(S)**

HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISERS			
							WIDTH	LENG	DIA	CFM
1	#1 L	Front	96"	18"	6"	MUA	12"	28"	770	0.222"
2	#1 R	Front	90"	18"	6"	MUA	12"	28"	825	0.252"

**SPECIFICATION: CAPTRATE® GREASE-STOP® SOLID FILTER**

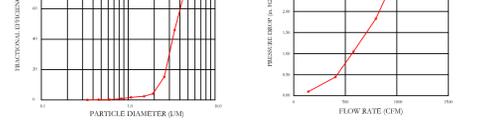
THE CAPTRATE GREASE-STOP SOLID FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-Baffle DESIGN IN CONJUNCTION WITH A SLOTTED REAR Baffle DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

THE CAPTRATE GREASE-STOP SOLID FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP 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 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

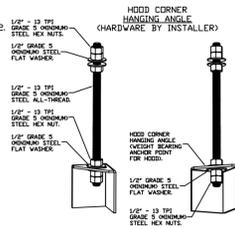
THE CAPTRATE GREASE-STOP SOLID FILTER IS MANUFACTURED APPROVED FOR USE IN SOLID FUEL APPLICATIONS AS A SPARK ARRESTER.



CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:  
 NFPA #96  
 NSF STANDARD #2  
 UL STANDARD #1046  
 INT. MECH. CODE (IMC)  
 ULC-S649.

**PATENT NUMBERS**

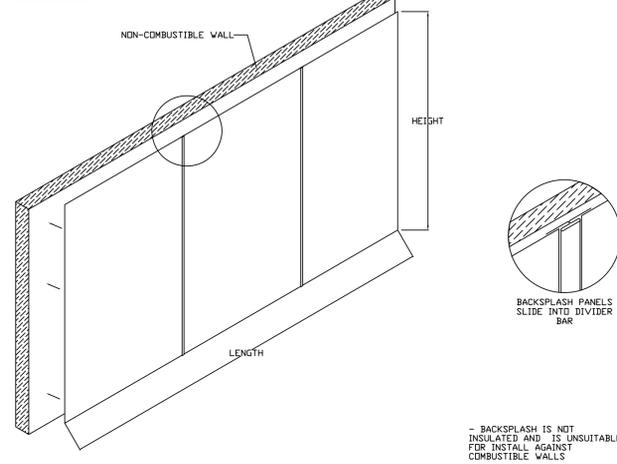
AC-PSP (UNITED STATES) - US PATENT 7963830 B2  
 AC-PSP WALL (CANADA) - CA PATENT 2820509  
 AC-PSP ISLAND (CANADA) - CA PATENT 2520330.



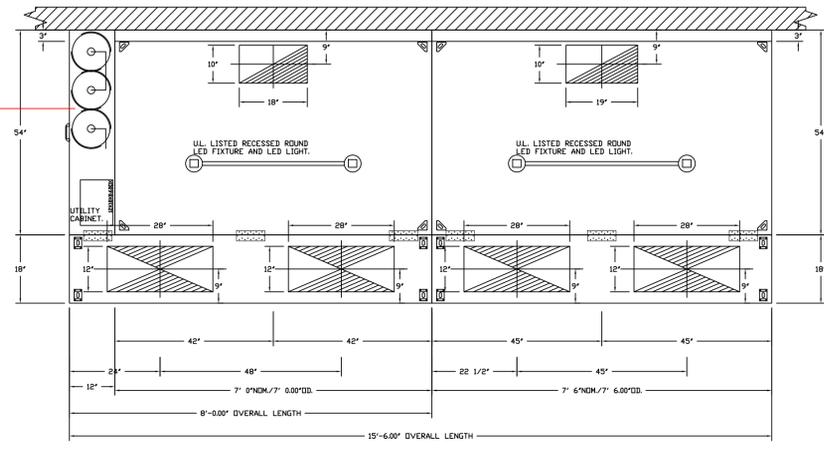
**ASSEMBLY INSTRUCTIONS**

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

**BACKSPASH**



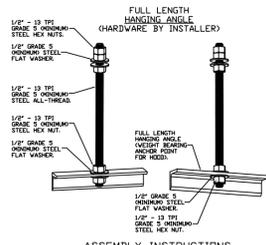
**FIRE SYSTEM**



PLAN VIEW - HOOD #1 (#1 L)  
 7' 0.00" LONG 5424AH-ND-2-PSP-F

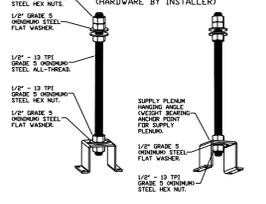
PLAN VIEW - HOOD #2 (#1 R)  
 7' 6.00" LONG 5424AH-ND-2-PSP-F

20"x18"x9" WALL MOUNTED DCV CONTROLS BOX WITH HMI SCREEN AND SWITCHES. SHIPPED LOOSE. LOCATION TBD.



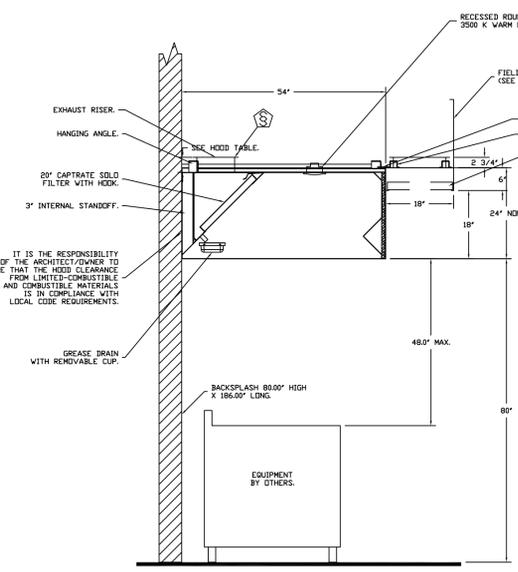
**ASSEMBLY INSTRUCTIONS**

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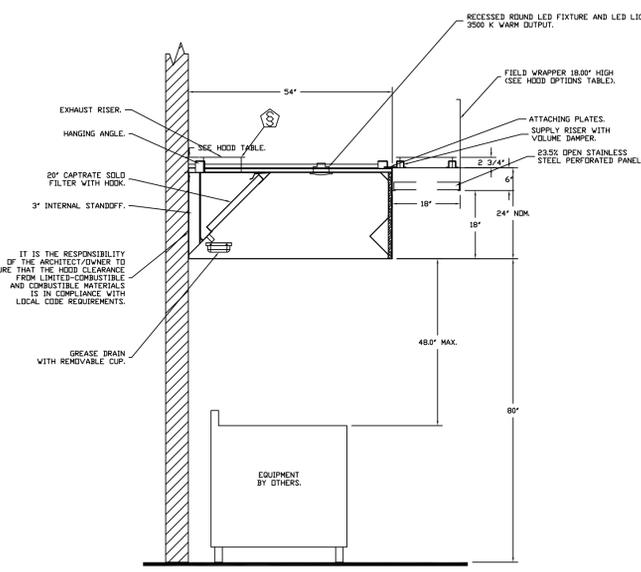


**ASSEMBLY INSTRUCTIONS**

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD, SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR PSP HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



SECTION VIEW - MODEL 5424AH-ND-2-PSP-F  
 HOOD - #1 (#1 L)



SECTION VIEW - MODEL 5424AH-ND-2-PSP-F  
 HOOD - #2 (#1 R)

**VERIFY CEILING HEIGHT**

HEIGHT REQUIRED TO VERIFY THAT HOOD FITS SPACE AND TO SIZE THE ENCLOSURE PANELS

AHS HOODS ARE BUILT IN COMPLIANCE WITH

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

**IMC 2018**  
 SECTIONS 507, 508, & 509

FOR ANY QUESTIONS RELATED TO THE EQUIPMENT CONTAINED IN THIS DRAWING, PLEASE CONTACT ADVANCED HOOD SYSTEMS @ 954-571-2339.

**REVISIONS**

NO.	DESCRIPTION	DATE

**ADVANCED HOOD SYSTEMS**  
 Advanced Hood Systems, LLC  
 FL PHONE: 754.752.7574 EMAIL: info@advancedhoodsystems.com

Windward ARC Kitchen - Bahamas  
 Hialeah, FL,

DATE: 3/11/2024  
 DWG.#: 6328705  
 DRAWN BY: jseward  
 SCALE: 3/4" = 1'-0"  
 MASTER DRAWING  
 SHEET NO. 1

**Windward ARC**  
**Kitchen & Bar**  
**Nassau, Bahamas**

INTERNATIONAL INC.  
 2055 W 73rd Street, Miami, FL 33016  
 Ph:(305)826-8696 Fax:(305)826-9131

No.	Revision/Issue	Date
5	Added MEP & Hood Shops	3-12-24
6	Moved Bev Table, adjusted hot line. Added Chef Desk.	4-4-25
7	Changed #9 Refrigerators, moved sink #117	4-20-25
8	Added modifications to #61-#21-#31	01-14-26

Date  
**Jan 14, 2026**  
 Drawn By  
**Dayne Gauntlett**  
 Scale  
**NTS**

Sheet  
**FS-6.1**