

No: REVISIONS

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Restaurant

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Reviewed for Code Compliance PRBD20170518692

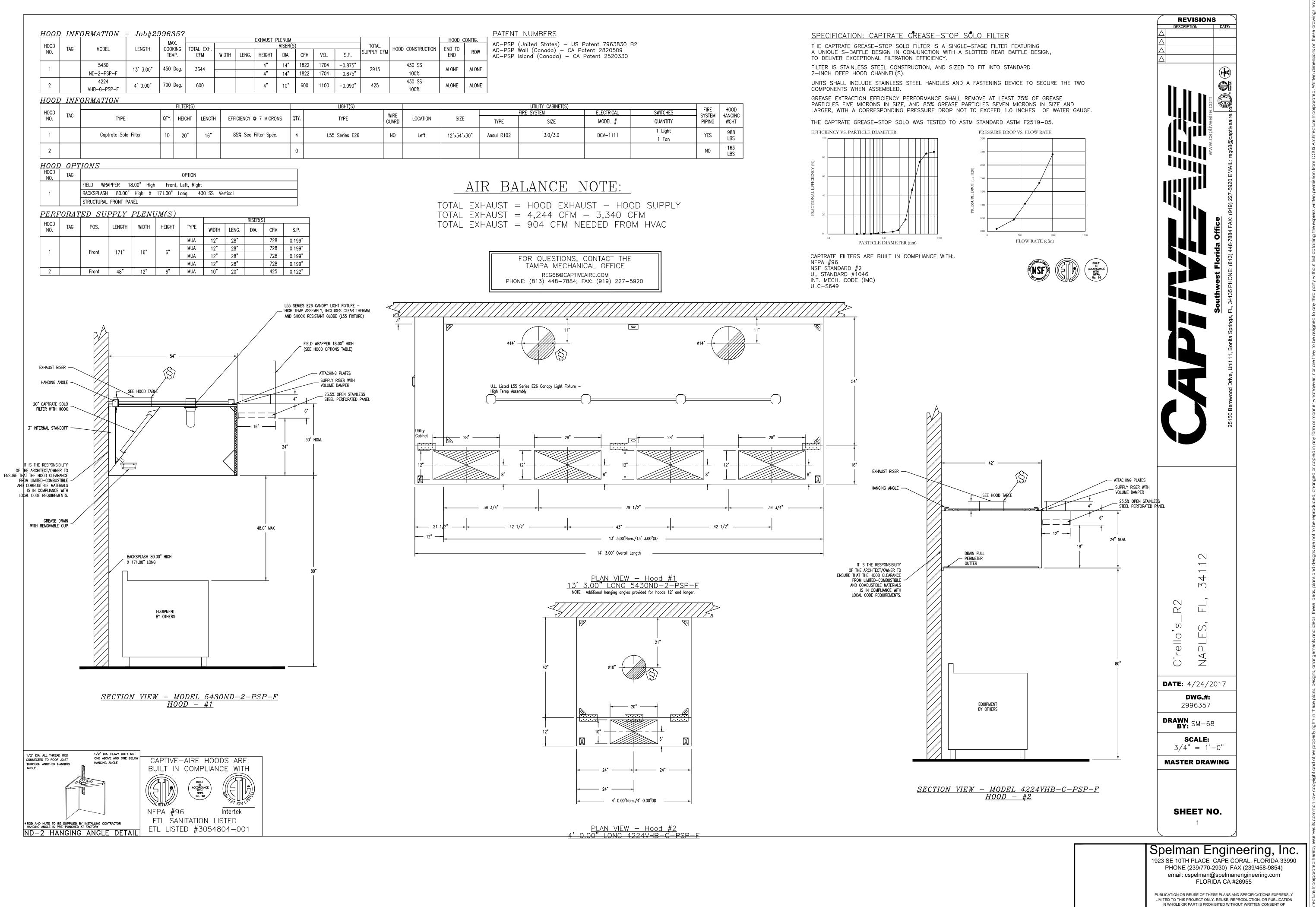
JOB: 4769

DATE: 03.21.17

CAD REF:

SHEET M-4

CHARLES P. SPELMAN, PE FLORIDA LICENSE #34925



REVISIONS

Restaurant

irella

Proposed

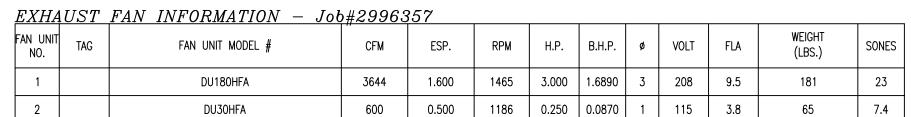
PRBD20170518692 03.21.17

Reviewed for Code Compliance

CAD REF:

THE ENGINEER. TITLE TO THE DESIGNS REMAINS WITH THE ENGINEER.

CHARLES P. SPELMAN, PE FLORIDA LICENSE #34925



i	FAN	OPTI	$\mathcal{O}NS$												
	FAN UNIT NO.	TAG	OPTION (Qty. — Descr.)												
	1		1 - Grease Box												
			1 — Miami Dade Certification.												
	2		1 - Miami Dade Certification.												
	3		1 — Miami Dade Certification.												
			1 — 7.5 Ton 2 Circuit (2.5/5) Modular Packaged Cooling Option for Size 2 MUA (2,700 to 4,500 cfm), 208V/230V, 3 phase. Cooling Thermostat or Programmable Stat Required for Proper Operation.												
			1 — Full Crating For Untempered Fans												
			1 - Insulated Blower Section Size 1-2 Commercial												
			1 — Mod Package Unit AC Controls for Untempered Fans												
			1 — Condenser Support for Size 2 Mod Package Unit												
İ			1 — Separate 120V Wiring Package (Required and used only for DCV or Prewire												

<u>CUF</u>	IRB ASSEMBLIES											
NO.	ON FAN	WEIGHT	ITEM	SIZE								
1	# 1	53 LBS	Curb	26.500"W x 26.500"L x 26.000"H Vented Hinged 16 Gauge								
2	# 2	27 LBS	Curb	19.500"W x 19.500"L x 20.000"H								
3	# 3	133 LBS	Curb	31.000"W x 121.000"L x 20.000"H Insulated 16 Gauge MPU Curb Clips								

4. MIAMI DADE IMPACT AND WIND LOAD CERTIFICATION — MIAMI DADE COUNTY PRODUCT CONTROL APPROVED. FLORIDA BUILDING CODE APPROVAL. EXHAUST CURBS UP TO 20" HIGH MUST BE 20 GAUGE ALUMINIZED. EXHAUST CURBS ABOVE 20" HIGH UP TO 42" HIGH MUST BE 16 GAUGE ALUMINIZED. EXHAUST RAILS LIMITED TO 10" HIGH.

5. 7.5 TON, DUAL CIRCUIT (2.5/5) MODULAR PACKAGED COOLING OPTION FOR SIZE 2 MODULAR PACKAGED UNIT. INCLUDES CONDENSER, DX COIL, FILTER/DRYER KIT, THERMAL EXPANSION VALVE, R410A REFRIGERANT, AND REFRIGERANT PIPING. (2,700 TO 4,500 CFM) NOT BUILT WITH OPPOSITE SIDE CONTROLS OR OPPOSITE AIRFLOW DIRECTION.

9. SUPPORT SHELL FOR SIZE 2 MODULAR PACKAGE UNIT. INCLUDES CONTROL VESTIBULE. INCLUDES CONDENSER SUPPORTS. DOES NOT INCLUDE RETURN AIR OR INLET AIR

10. SEPARATE 120VAC WIRING PACKAGE FOR MAKE-UP AIR UNITS. OPTION MUST BE SELECTED WHEN MOUNTING VFD IN PREWIRE PANEL OR WITH DCV PACKAGE. PROVIDES

8. CONTROL PACKAGE FOR MOD PACKAGE UNIT COOLING ONLY UNIT. INCLUDES AIRFLOW PROVING SWITCH, RTULINK-ACHP BOARD AND TERMINAL BLOCKS.

SEPARATE 120VAC INPUT TO SUPPLY FAN. THIS 120V SIGNAL MUST BE RUN BY ELECTRICIAN FROM DCV TO MUA SWITCH.

33 3/4 - GREASE DRAIN 16 1/2 DUCTWORK BETWEEN EXHAUST RISER ON HOOD AND FAN (BY OTHERS)

<u>FAN #1 DU180HFA — EXHAUST FAN</u>

FEATURES:

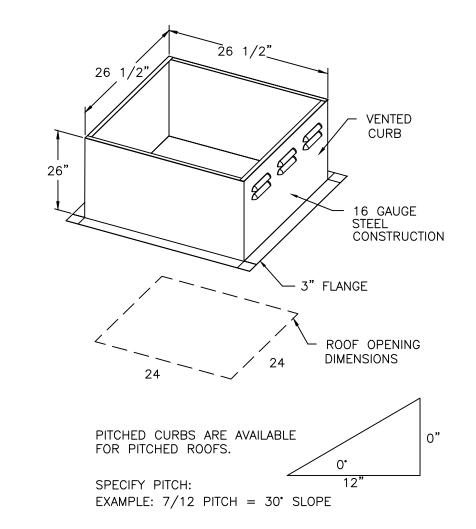
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS) - ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL705 AND UL762
- VARIABLE SPEED CONTROL
- INTERNAL WIRING - WEATHERPROOF DISCONNECT
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE) - HIGH HEAT OPERATION 300°F (149°C)
- GREASE CLASSIFICATION TESTING

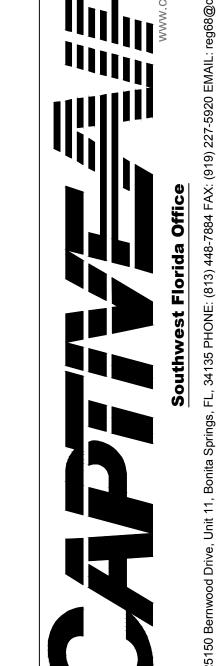
NORMAL TEMPERATURE TEST EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

<u>OPTIONS</u> GREASE BOX

MIAMI DADE CERTIFICATION.





REVISIONS DESCRIPTION DATE:

DATE: 4/24/2017 DWG.#:

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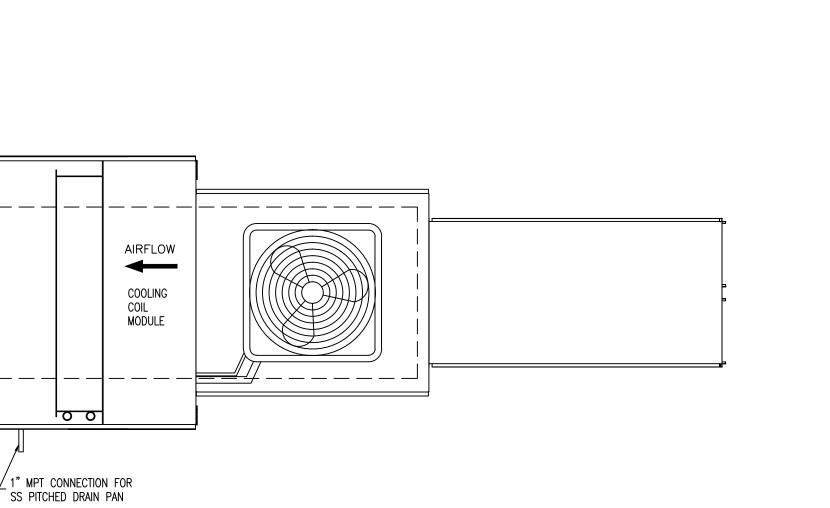
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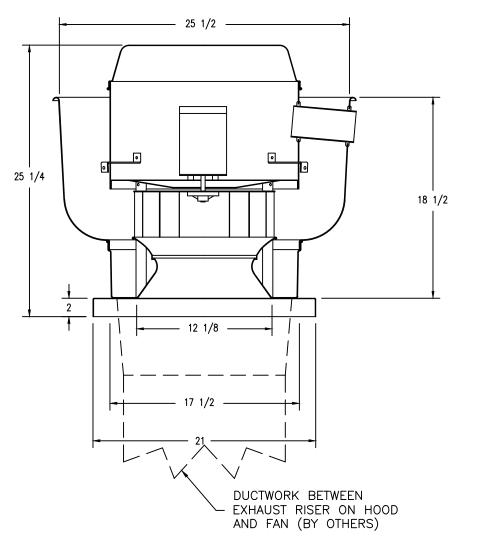
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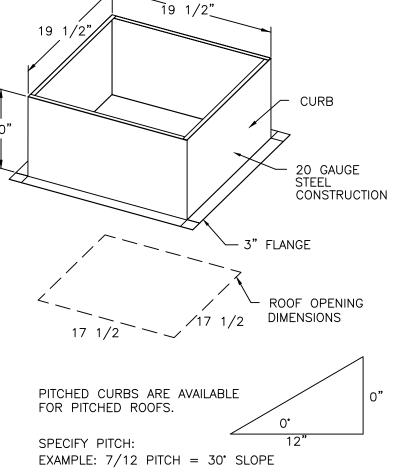
FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS) - ROOF MOUNTED FANS
- RESTAURANT MODEL
- VARIABLE SPEED CONTROL
- INTERNAL WIRING - WEATHERPROOF DISCONNECT
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE) - HIGH HEAT OPERATION 300°F (149°C)

NORMAL TEMPERATURE TEST EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY

DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

<u>OPTIONS</u> MIAMI DADE CERTIFICATION.



No: REVISIONS

Restaurant vilding #1

Cirella's ommons Buderbilt Beach

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Prop

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO.

LIMITED TO THIS PROJECT ONLY. REUSE, REPRODUCTION, OR PUBLICATION THE ENGINEER. TITLE TO THE DESIGNS REMAINS WITH THE ENGINEER.

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CAD REF:

H-2

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with VFD) — Three Phase Only

CONDENSER DETAILS FAN UNIT CONDENSER FAN UNIT MODEL # **TONNAGE** VOLTAGE PHASE **FREQUENCY** 21.4 Amps 17.4 Amps 208-230 3 PHASE 30 Amps 60 Hz A2-G12-MPU 3 PHASE 60 Hz 11.2 Amps 9.07 Amps 20 Amps 14 AWG

BLOWER DISCHARGE -

-- 13 9/16" --

FLEX CONDUIT FOR FIELD —

CONDENSERS REQUIRE SEPARATE 208V, 3 PHASE POWER SUPPLY. COIL = 3EZ1101C

FAN #3 A2-G12-MPU - SUPPLY FAN
1. SUPPLY UNIT WITH 12" BLOWER IN SIZE #2 HOUSING

6. FULL CRATING FOR UNTEMPERED FANS FOR SHIPPING. 7. INSULATED BLOWER HOUSING SIZES 1-2 COMMERCIAL MODULAR

3. DOWN DISCHARGE - AIR FLOW RIGHT -> LEFT

2. INTAKE HOOD WITH EZ FILTERS

12 1/2"

MUA FAN	$UA\ FAN\ INFORMATION\ -\ Job\#2996357$																			
FAN UNIT TAG	FAN UNIT MODEL #	BLOWER	HOUSING	DESIGN CFM	ESP.	RPM	H.P.	B.H.P.	ø	VOLT	FLA	COOLING COIL ENTERING DB TEMP.	COOLING COIL ENTERING WB TEMP.	COOLING COIL LEAVING DB TEMP.		COOLING COIL TOTAL CAPACITY	COOLING COIL SENSIBLE CAPACITY	COOLING COIL LATENT CAPACITY	WEIGHT (LBS.)	SONES
3	A2-G12-MPU	G12	A2	3340	0.750	881	2.000	1.2010	3	208	5.9	93.0 ° F	78.0 ° F	78.1 ° F	71.9 ° F	86.5 MBH	53.7 MBH	32.8 MBH	1334	26

FAN #2 DU30HFA - EXHAUST FAN