

HOOD #	1 OF 1	MODEL #	STRATOVENT SVBD2
LENGTH (IN):	6'-3"	WIDTH (IN):	36"
HEIGHT (IN):			14"
EXHAUST CFM:	1050	SUPPLY CFM:	BY RTU-SEE M1.0
EXHAUST SP:	0.9" (HOOD+DUCT)	SUPPLY SP:	NA
EXHAUST FPM:	1512	SUPPLY FPM:	NA
EXH. SIZE:	10"X10"	SUP SIZE:	NA
FILTERS: (4)	16" X 16"	FILTERS: ()	300 LBS
FIRE SUPPRESSION:	ANSUL-R102	FILTER TYPE:	STAINLESS BAFFLE
LIGHT QTY: (3)	A19/CFL	CONTROL SWITCH:	BY OTHERS

DESIGN NOTES:

- STRATOVENT HOODS ARE ETL LISTED TO UL-710 STANDARDS, 3054804-001
- MODEL SVBD2 IS A NON-CANOPY HOOD, "LISTED" VALUES ARE UTILIZED FOR AIRFLOW, OVERHANGS AND TEMPERATURE RATINGS.
- 18/20 GAUGE MINIMUM S/S ON EXPOSED SURFACES PER NFPA.
- HOOD IS PRE-PIPED FOR ANSUL SYSTEM INSTALL BY OTHERS.
- INSTALLER TO REVIEW E6.0 SHEET FOR HOOD AND FAN WIRING. NO CONTACTOR OR CONTROL BOX IS FURNISHED WITH HOOD, UNLESS SOURCED DIRECT FROM STRATOVENT BY INSTALLER.

HOOD DETAIL 1: CORNER HANGING ANGLE (4) TYP. PER HOOD

HOOD DETAIL 2: TIMER MOUNTING CHANNEL-POWER OUTLET

3" INTEGRAL REAR STAND-OFF. FACTORY INSULATED. HOOD ASSEMBLY IS LISTED AND LABELED FOR ZERO CLEARANCE TO COMBUSTIBLE IN THE REAR. ARCHITECT MUST VERIFY COMPLIANCE WITH ALL LOCAL CODES CONCERNING CLEARANCES.

HOOD DETAIL 1.

25" TALL DUCT ENCLOSURE PANELS, FRONT, LEFT & RIGHT SIDES (PROVIDED WITH HOOD, GC INSTALLED).

TOP EDGE OF HOOD.

LOWER, LEADING EDGE OF HOOD, 71" ABOVE FINISHED FLOOR.

TRIANGLE, END PANELS - PROVIDED BY STRATOVENT; SEE SIDE VIEW DETAIL FIELD INSTALLED BY GC.

104"H X 111"L, BACKSPASH, COVERING HOOD WALL AND 18" BEYOND THE HOOD. MINIMUM 20 GA. STAINLESS STEEL PROVIDED BY GENERAL CONTRACTOR.

HOOD DETAIL 2: 42"L x 3"H, FACTORY ATTACHED MOUNTING CHANNEL FOR CUSTOMER SUPPLIED TIMERS. DUAL 115V/1PH OUTLET FACE MOUNTED ABOVE CHANNEL WITH J-BOX ON TOP OF HOOD.

PLAN VIEW

FRONT VIEW

UPDATED: 6FT-3IN LONG VERSION, 05-05-2014 JJ

TACO BELL HOOD DETAIL N.T.S. 2

THIS DRAWING IS PROVIDED FOR REFERENCE ONLY. HOOD CONTRACTOR SHALL SELECT AND CERTIFY ALL EXHAUST/M.U. AIR FANS. ALL SYSTEMS SHALL MEET ALL APPLICABLE REQUIREMENTS OF STATE AND LOCAL CODES AND OTHER REQUIREMENTS AS SHOWN IN DESIGN DRAWINGS.

INSTALLATION: DUCT TEMPERATURE SWITCH

SENSOR DETAIL

FAN CONTROL CIRCUIT (BY OTHERS, SEE E6.0)

NOTE: GENERIC WIRING DEPICTION. SEE PLANS FOR PROPER INTEGRATION.

THREADED INTO "QUICK SEAL" (ADAPTER BODY)

0.50" QUICK SEAL (ADAPTER BODY)

VULCAN CALSTAT

EXTERNAL SURFACE OF DUCT OR HOOD PLENUM AREA (BEHIND FILTERS), OR TOP OF HOOD CAVITY.

1.125" - 1.250" DIAM. HOLE

0.50" QUICK SEAL (LOOK/WASHER)

0.50" QUICK SEAL (NUT)

EXTENSION RING, TACK WELD TO HOOD OR DUCT TO SECURE INSTALLATION.

0.50" QUICK SEAL (WASHER)

STRATOVENT

ADDITIONAL QUESTIONS??
CONTACT, STRATOVENT VENTILATION HOODS, 919-573-4250 - 251-490-6114
JEFF.JOHNSON@STRATOVENT.COM

SPECIFICATIONS:

- * VULCAN CALSTAT, 1E289-45, NORMALLY OPEN DRY CONTACT
- * SENSOR FACTORY SET AT 85F
- * FIELD ADJUSTED W/SET SCREW: CW INCREASE, CCW DECREASE, 90F PER REVOLUTION
- * RATED FOR 10 AMPS @ 120 VAC, 5 AMPS @ 240 VAC
- * SHIPPED LOOSE BY HOOD VENDOR FOR FIELD INSTALLATION.

MODIFIED: 05-05-2014

HEAT SENSOR ATTACHMENT N.T.S. 10

1. Hoods shall be constructed of minimum 20 gauge stainless steel with # 3 polish. All unexposed surfaces shall be constructed of minimum 18 gauge aluminized steel.

2. UL classified aluminum or stainless steel baffle-type filters shall be easily removed for cleaning. Filter housing shall terminate in a pitched grease trough that drains into a removable stainless steel grease cup.

3. UL listed and NSF approved vapor proof incandescent light fixtures pre-wired to junction box at top of hood in accordance with NEC 70.

4. Pre-piped fire suppression systems shall be located on the top of the hood and provided with the hood or by a certified technician. Final location of all nozzles and fire suppression drops to be locally approved and inspected.

5. Hood(s) shall be fabricated in accordance with NFPA Bulletin #96 and shall bear the NSF Seal of Approval. Hoods shall be listed under UL 710 EXHAUST HOODS FOR COMMERCIAL COOKING EQUIPMENT, Certified by ETL under FILE# 3054804-001.

THIS HOOD DESIGN IS BASED UPON STRATOVENT, MODEL SVND2. MANUFACTURED BY STRATOVENT VENTILATION HOODS, RALEIGH, NC 27616. CONTACT: JEFF JOHNSON, 251-490-6114

HOOD NOTES AND SPECS (TYP) N.T.S. 6

INSTALLATION: DUCT TEMPERATURE SWITCH

HOOD DETAIL

OPTION #1: DUCT, JUST ABOVE EXHAUST OPENING. (MUST BE REACHABLE FROM BELOW OR THROUGH CLEAN-OUT DOOR FOR CLEANING)

OPTION #2: THROUGH ROOF OR HOOD INTO PLENUM AREA BEHIND FILTERS, LEFT OR RIGHT OF DUCT OPENING.

REAR OF HOOD

OPTION #3: INTO HOOD CAVITY

NOTE: SENSOR MUST BE INSTALLED WITH INCLUDED UL-LISTED QUICK SEAL KIT PER FACTORY GUIDELINES (SEE EXPLODED PARTS VIEW)

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EF-1. PERFORMANCE DATA:

MODEL: STRATOVENT, SVDU50

AIRFLOW: 1050 CFM, 0.9" STATIC PRESSURE

FAN RPM: 1344**

POWER: 0.26 BHP

MOTOR: 0.50 HP, 115V, 1PH, 8.1 FLA

**DIRECT DRIVEN WITH PREWIRED SPEED CONTROLLER

STRATOVENT UL-762 EXHAUST FAN

6'-3" LONG TACO BELL HOOD

ATTENTION! INSTALLER MUST READ LABEL NEAR DISCONNECT SWITCH! MESSAGE ON LABEL. INSTALLER SHOULD SUPPLY ENOUGH ELECTRICAL CORD TO ALLOW FAN TO MAKE COMPLETE SWING.

INSTALLER TO PROVIDE 3/8" BOLTS/UT TO BE USED TO LOCK WREN IN OPEN & CLOSED POSITION. HOLES ARE PRE-PUNCHED.

DUCT TRANSITION (SUGGESTED)

DUCT DISCHARGE MUST BE LONGER THAN FAN INLET CURB

FLANGE DUCT TO REST ON 19.5" O.D. CURB

14" MIN.

10.5"

19.5"

3" FLANGE

VENTED CURB

38 GAUGE STEEL CONSTRUCTION

WIRING: 20 LBS (FAN), 45 LBS (CURB)

NOTE: ALL DIMENSIONS (INCHES)

STRATOVENT

REDDING, CA - RALEIGH, NC 800-474-0037 WWW.STRATOVENT.COM

RESTAURANT MODEL

- UL762, GREASE RATED
- DIRECT DRIVEN
- VARIABLE SPEED CONTROL
- WEATHERPROOF DISCONNECT
- OPTIONAL
- HIGH VELOCITY WIND DESIGN
- MINIM-DANGER DESIGN
- PRODUCT APPROVAL

PROJECT: TACO BELL

System Size: ANSUL-3.0 Gallons Total, R102 Flow Points: 8 Design, 11 (max)

Hood #1: 6'-6" L x 36" W x 14" H Exhaust Riser Size: 10" x 10"

8 FLOW POINTS

3.0 GA. R102 ANSUL SYSTEM

2'-0" APPROX

12" 16" 50" 75"

1N 3NS 3NS

FIELD CUT

PLAN VIEW

6'-3"

1W

1N 3NS 3NS

FRONT VIEW

6'-3"

HEAT-ONLY APPLIANCES

LEGEND - WALL MOUNTED ANSUL SYSTEM

1B 3.0 GALLON TANK

2 AUTOMAN RELEASE

5 ANSULEX LIQUID AGENT (3.0 GAL.)

7 CARTRIDGE (101-20)

10 TEST LINK

11 DOUBLE MICROSWITCH

1W NOZZLE ASSEMBLY (419336)

1N NOZZLE ASSEMBLY (419335)

3N NOZZLE ASSEMBLY (419338)

28 DETECTOR BRACKET

30 HIGH TEMP FUSIBLE LINK

MGV MECHANICAL GAS VALVE

34 REMOTE MANUAL PULL STATION

S SWIVEL ADAPTOR

PROVIDED BY: STRATOVENT RALEIGH, NC - REDDING, CA CONTACT: JEFF JOHNSON PH: 251-490-6114, Fax: 919-573-4251 JEFF.JOHNSON@STRATOVENT.COM

REVISED: 05-05-2014

LOW-PROFILE HOOD

HOOD #1

STRAVENT HOODS BUILT IN COMPLIANCE WITH

NSF

NFPA #96

NSF STANDARD #2

UL STANDARD 710

ETL FILE NO. 3054804-001

NON-CANOPY HOOD DESIGN BASED ON:

MANUFACTURER: STRATOVENT, MODEL SVBD2

ETL LISTED TO UL-710: FILE # 3054804-001

MIN. "LISTED" AIRFLOW: 150 CFM PER LINEAR FT

DESIGN AIRFLOW: 168 CFM PER LINEAR FT

MAX. DIST. ABOVE COOK SURFACE: 47"

MAX. COOK SURFACE FRONT UNDERHANG: - 3"

MIN. SIDE COOK SURFACE OVERHANG: 0"

MAX. APPLIANCE COOKING TEMPERATURE: 450 F

HOOD DESIGN QUESTIONS? STRATOVENT KITCHEN VENTILATION PHONE: 251.490.6114 JEFF.JOHNSON@STRATOVENT.COM

EXHAUST FAN

EF

40" MIN. (N.T.S.)

ROOF LINE

DUCT TERMINATION SHALL EXPAND TO MINIMUM OF 2" LARGER THAN FAN INLET DIAMETER. DO NOT OBSTRUCT FAN INLET.

DROP CEILING (TYPICAL)

25"H, 3-SIDED DUCT ENCLOSURE PANELS, SHIPPED LOOSE BY HOOD SUPPLIER. DESIGN FOR UP TO 8'-10" CEILING.

1'-9"

1'-2"

5'-11"

3'-0"

8'-10"

10'-0" MAX.

FIELD CUT OPENING BY INSTALLER. TRANSITION PER PLANS. DUCT OR HOOD MOUNTED HEAT SENSOR PER PLANS FOR AUTOMATIC ACTIVATION.

16"H, UL-LISTED, S/S BAFFLE FILTERS.

3" INTEGRAL REAR STAND-OFF, FACTORY INSULATED. HOOD ASSEMBLY IS LISTED FOR ZERO CLEARANCE TO COMBUSTIBLE IN THE REAR. COMPLIANCE WITH ALL LOCAL CODES VERIFIED BY ARCHITECT.

GREASE CUP

END PANELS, SHIPPED LOOSE AND GC INSTALLED. PROVIDED BY HOOD VENDOR.

20 GA. MIN S/S WALL PANEL COVERING REAR WALL. EXTENDING 18" BEYOND THE HOOD. PROVIDED BY STRATOVENT.

REAR WALL.

SIDE VIEW

UPDATED: 6FT-3IN LONG VERSION, 05-05-2014 JJ

TACO BELL HOOD SECTION 1/2" = 1'-0" 4