

### STRATOVENT MODEL# SVDU50HFA

TAG	HOOD	STRATOVENT MODEL#	CFM	ESP	RPM	H.R.	S.H.P.	Ø	VOLT	FLA	MCANDEF	WEIGHT (LBS)	SCANS
EP-1	FRYER	SVDU50HFA	1050	0.3"	1428	3.50	0.33	1	115	8.4	15.9/15	8642	14.6

SELECTED OPTIONS:  
 - RESTAURANT MODEL  
 - ULTR, GRADE RATED  
 - DIRECT DRIVE  
 - SPEED CONTROLLER  
 - WEATHERPROOF DISCONNECT  
 - FLAT CURB VENTED  
 - FACTORY ATTACHED HINGES

CAUTION: THE SELECTED FAN IS SUITABLE FOR MOST SINGLE STORY BUILDINGS. FOR LONGER DUCT RUNS OR MULTI-STORY STRUCTURES, REQUEST A SITE ADAPT SELECTION.

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

RETAILER TO PROVIDE BY BELT TO THE USER TO LOCK HOOD IN DOWN POSITION. HOOD IS PRE-PIPED.

REVISIONS: 10-16-2018

**TACO BELL HOOD FIRE SUPPRESSION SYSTEM PLAN N.T.S. 14**

PROJECT: TACO BELL

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

Hood #1: 6'-3" L x 36" W x 14" H  
 Exhaust Riser Size: 10" x 10"

NOTES:  
 - FIELD PIPE DROPS AS SHOWN: SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY STRATOVENT FOR HOOD-BASED PIPING.  
 - RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED.  
 - MAXIMUM 9 ELBOWS IN SUPPLY LINE, MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE.  
 - ALL NOZZLE HEIGHT AND PLACEMENT TO BE DETERMINED BY INSTALLER AND AHJ PER ANSUL GUIDELINES.  
 - ALL PIPING TO BE 3/8" SCH 40 BLACK IRON.  
 - THIS FIRE SYSTEM COMPLIES WITH U.L. REQUIREMENTS.  
 - SYSTEM INSTALLATION AND FINAL HOOKUP REQUIRED BY GEN CONTRACTOR. SYSTEM PARTS OPTIONALLY PURCHASED FROM STRATOVENT BY OWNER OR G.C..

LEGEND: WALL MOUNTED ANSUL SYSTEM

1B	3.0 GALLON TANK
1C	ALLOMAN RELEASE
5	ANSUL EX 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

APPLIANCE LOCATION NOTE:  
 ABOVE SHOWS FRYERS ON RIGHT END OF HOOD. ON SITES WHERE FRYERS ARE ON LEFT, HOOD SUPPLIER WILL REVERSE PIPING AND A SHIP 3N NOZZLES ON LEFT END OF THE HOOD

**TACO BELL HOOD FIRE SUPPRESSION SCHEDULE N.T.S. 16**

### INSTALLATION: DUCT TEMPERATURE SWITCH

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

HOOD DETAIL

OPTION #1 (PREFERRED): FACTORY INSTALLED IN HOOD CAVITY.

NOTE: IF SENSOR IS FIELD INSTALLED, THE KIT SHIPS WITH UL-LISTED QUICK SEALS MUST BE USED TO SEAL ANY HOOD OR DUCT PENETRATIONS (SEE EXPLODED PARTS VIEW).

### INSTALLATION: DUCT TEMPERATURE SENSOR

SENSOR DETAIL

FAN CONTROL CIRCUIT (BY OTHERS)

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

(1) NORMALLY OPEN DRY CONTACT, CLOSING ON TEMPERATURE RISE ABOVE 85F. WIRED IN PARALLEL TO NORMAL CONTROL CIRCUIT. WHEN ORDERED, SENSOR IS FACTORY INSTALLED IN HOOD CAVITY WITH J-BOX ON TOP OF THE HOOD.  
 (2) DO NOT USE SENSOR AS THE PRIMARY MEANS OF FAN CONTROL. USED ONLY AS A SAFETY DEVICE PER INTERNATIONAL MECHANICAL CODE TO ENERGIZE HOOD EXHAUST FAN WHEN COOKING EQUIPMENT GENERATES HEAT.  
 (3) FAN CONTACTOR AND CONTROLS BY OTHERS. SEE ELECTRICAL SHEETS FOR DETAILS.  
 (4) SEE SPECS ABOVE FOR TEMP SET POINT ADJUSTMENT

### HEAT SENSOR DETAILS N.T.S. 10

EXTERNAL SURFACE OF DUCT, OR ON TOP OF HOOD.

1.125" - 1.250" DIAM. HOLE

0.50" QUIK SEAL (LOCKWASHER)

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

0.50" QUIK SEAL (WASHER)

0.50" QUIK SEAL (ADAPTER BODY)

VULCAN CALSTAT

SPECIFICATIONS:  
 \* VULCAN CALSTAT, 12289-85, NORMALLY OPEN DRY CONTACT  
 \* SENSOR FACTORY SET AT 85F  
 \* FIELD ADJUSTED W/SET SCREW, CCW INCREASE, CW DECREASE, 1/8" REVOLUTION  
 \* RATED FOR 10 AMPS @ 120 VAC, 5 AMPS @ 240 VAC  
 \* SHIPPED FACTORY INSTALLED IN HOOD CAVITY

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

**HEAT SENSOR DETAILS N.T.S. 10**

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

- 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.
- UL classified aluminum or stainless steel baffle-type filters shall be easily removed for cleaning. Filter housing shall terminate in a pitched grease trap that drains into a removable stainless steel grease cup.
- UL listed and NSF approved vapor proof incandescent light fixtures pre-wired to junction box at top of hood in accordance with NEC 70.
- Pre-piped fire suppression systems shall be located on top of the hood and provided with the hood or by certified technician. Final location of all nozzles and fire suppression drops shall be located, approved and inspected.
- 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 LIST HOODS FOR COMMERCIAL COOKING EQUIPMENT, Certified by ETL FILE # 3054804-001.

THIS HOOD DESIGN IS BASED UPON STRATOVENT, MODEL SVB02. MANUFACTURED BY STRATOVENT VENTILATION HOODS CONTACT: JEFF JOHNSON, 919.573.4250

### STRATOVENT HOOD N.T.S. 12

ENCLOSURE WRAPPERS

HEAT SENSOR

HOOD LIGHTS

DUAL OUTLET FOR TIMER, REQUIRES DEDICATED BREAKER

71" TYP.

61" TYP.

36"

26"

1" THICK, INSULATED, END PANEL W/ ADJUSTABLE LEGS, SHIPS LOOSE, FIELD INSTALLED ON THE END OF THE HOOD CLOSEST TO REHEAT/RETRAY (VERIFY WITH EQUIP LAYOUT)

CHASE CUTOUT (GAS OR POWER LINES 19.5" X 4" TYPICAL)

STRATOVENT-BRAND HOODS ARE CERTIFIED BY ETL-INTERTEK TO NATIONALLY RECOGNIZED UL-710 AND NSF STANDARDS.

CONTACT US: WWW.STRATOVENT.COM 919-573-4250 FEEDBACK@STRATOVENT.COM

**HOOD ISOMETRIC N.T.S. 12**

HOOD #	1 OF 1	MODEL #	STRATOVENT SVB02
LENGTH (IN)	6'-3"	WIDTH (IN)	36"
HEIGHT (IN)	14"	SUPPLY CFM	BY RTU-SEE M1.0
EXHAUST SP.	0.9" (HOOD+DUCT)	SUPPLY SP.	NA
EXHAUST FPM	1512	SUPPLY FPM	NA
EX-H. SIZE	10"X10"	SJP SIZE	NA
FILTERS (4)	16" X 16"	HOOD WEIGHT	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 SVB02 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 R102, FIELD HOOKUP BY OTHERS  
 - INSTALLER TO REVIEW ELECTRICAL SHEETS FOR HOOD AND FAN WIRING. STRATOVENT DOES NOT PROVIDE A CONTROL BOX IN THE 'BASE' PACKAGE

HOOD DETAIL 1: CORNER HANGING ANGLE (4) TYPICAL

HOOD DETAIL 2: 30" 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

HOOD DETAIL 3: 8-10" HIGH, DROP CEILING (TYPICAL). HOOD PROVIDER MUST BE NOTIFIED IF CEILING HEIGHT VARIES TO ADJUST TRIM HEIGHT. VERIFY WITH ARCHITECTURAL SHEETS

HOOD DETAIL 4: 8-10" HIGH, DROP CEILING (TYPICAL). HOOD PROVIDER MUST BE NOTIFIED IF CEILING HEIGHT VARIES TO ADJUST TRIM HEIGHT. VERIFY WITH ARCHITECTURAL SHEETS

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.

27" 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

TRAVEL END PANELS ON THE END OF THE HOOD WITH COVER, FULL END PANEL ON OPPOSITE SIDE OF FAN. PANELS WILL BE CHECKED BASED ON SITE SPECIFIC APPLIANCE LAYOUT. SHIPPED LOOSE, INSTALLED BY GC.

1/2" BACKSPASH, COVERING REAR WALL AND A MIN. OF 18" BEYOND THE HOOD. MIN. 20 GA STAINLESS STEEL PROVIDED BY HOOD VENDOR.

PLAN VIEW

FRONT VIEW

UPDATED: 6FT-3IN LONG VERSION, 10-01-2020

**TACO BELL HOOD DETAIL N.T.S. 2**

### LOW-PROFILE HOOD HOOD #1 N.T.S. 4

NON-CANOPY HOOD DESIGN BASED ON:  
 MANUFACTURER: STRATOVENT, MODEL SVB02  
 ETL LISTED UL/ULC-710, ULC-S646; # 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

DUCT TERMINATION SHALL EXPAND TO MATCH FAN INLET. SIZE DO NOT OBSTRUCT FAN INLET.

ROOF LINE

EXHAUST FAN (EF)

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

TRUSS

ACCESS PANEL

FIELD CUT OPENING BY INSTALLER. TRANSITION PER PLANS. IF SELECTED, A HOOD MOUNTED HEAT SENSOR WILL BE FACTORY INSTALLED IN ROOF OF HOOD FOR AUTOMATIC ACTIVATION.

18" 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

26" X 26" END PANEL, 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.

30" L X 3" H X 1.25" W TIMER MOUNTING CHANNEL. FACTORY ATTACHED. DUAL 115V/1PH POWER OUTLET FLUSH MOUNTED ON FACE OF HOOD WITH J-BOX ON TOP

5-11"

5-11"

3'-0"

8'-10"

FINISHED FLOOR LINE

GAS LINE CUTOUT FOR END PANEL 4.5" W X 19.5" H

NOTIFY HOOD SUPPLIER IF DROP CEILING IS HIGHER OR LOWER THAN 8'-10" AFF.

UPDATED: 6FT-3IN LONG VERSION, 07-31-2020 JJ

**TACO BELL HOOD SECTION N.T.S. 4**

**ARCVISION**  
 INCORPORATED  
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CONTRACT DATE: 11/17/20  
 BUILDING TYPE: ENDEAVOR MED 40  
 PLAN VERSION: SEPT 2020  
 BRAND DESIGNER: 200109  
 SITE NUMBER: 297222  
 STORE NUMBER: 003717  
 ARCVISION: 200188

TACO BELL  
 8151 HWY 278 NW  
 COVINGTON, GA 30014

ENDEAVOR  
 "GO MOBILE!"  
 HOOD DRAWINGS  
 PLANS AND SECTIONS  
**M3.0**