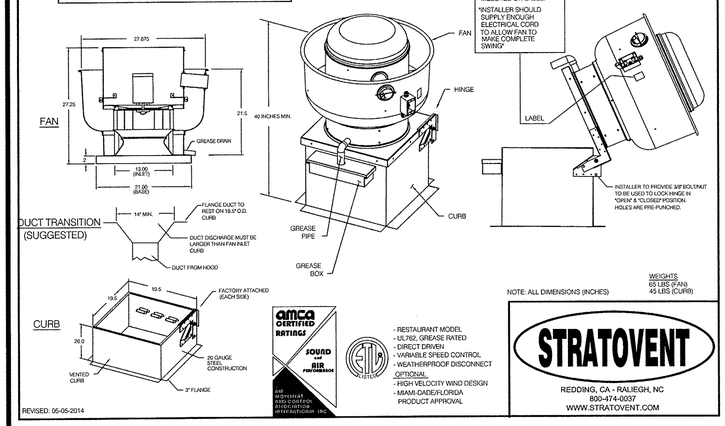
STRATOVENT UL-762 EXHAUST FAN 6'-3" LONG TACO BELL HOOD

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

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



NOTE: ALL DIMENSIONS (INCHES)

WEIGHTS
65 LBS (FAN)
45 LBS (CURB)

- RESTAURANT MODEL
- UL762, GREASE RATED
- DIRECT DRIVEN
- VARIABLE SPEED CONTROL
- WEATHERPROOF DISCONNECT OPTIONAL
- HIGH VELOCITY WIND DESIGN
- MIAMI-DADE/FLORIDA PRODUCT APPROVAL

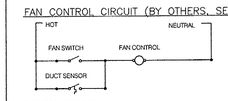
STRATOVENT
REDDING, CA - RALIEGH, NC
800-474-0037
WWW.STRATOVENT.COM

REVISED: 05-05-2014

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

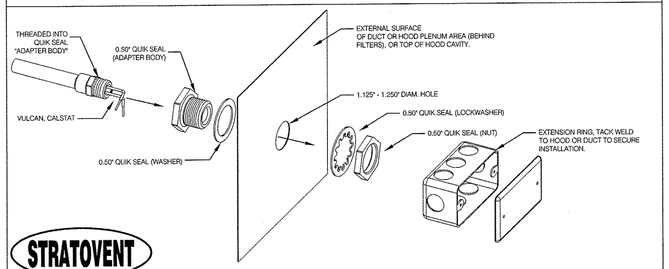
INSTALLATION: DUCT TEMPERATURE SWITCH
SENSOR DETAIL

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



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

- NORMALLY OPEN DRY CONTACT, CLOSES ON TEMPERATURE RISE ABOVE 85F. WIRED IN PARALLEL TO NORMAL CONTROLS CIRCUIT.
- FIELD WIRED AS SAFETY SWITCH (NOT PRIMARY MEANS OF FAN POWER), TO ENERGIZE HOOD EXHAUST FANS WHEN COOKING EQUIPMENT GENERATES HEAT
- FAN CONTACTOR BY OTHERS. SEE E6.0 SHEET FOR DETAILS.



STRATOVENT

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

SPECIFICATIONS:
* VULCAN CALSTAT, 1E289-95, NORMALLY OPEN DRY CONTACT
* SENSOR FACTORY SET AT 85F
* FIELD ADJUSTED W/SET SCREW, CCW INCREASE, CW DECREASE, 90F PER REVOLUTION
* RATED FOR 10 AMPS @ 120 VAC, 5 AMPS @ 240 VAC
* SHIPPED LOOSE BY HOOD VENDOR FOR FIELD INSTALLATION.

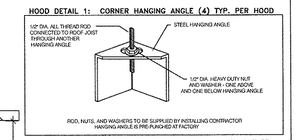
MODIFIED: 05-05-2014

HEAT SENSOR ATTACHMENT N.T.S. | 10

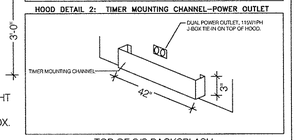
HOOD #	1 OF 1	MODEL #	STRATOVENT SVBD2
LENGTH (IN): 6'-3"	WIDTH (IN): 36"	HEIGHT (IN):	14"
EXHAUST CFM:	1050	SUPPLY CFM:	BY RTU-SEE M1.0
EXHAUST SP:	0.9" (HOOD+DUCT)	SUPPLY SP:	NA
EXHAUST FPM:	1512	SUPPLY FPM:	NA
EXH. SIZE:	10"X10"	SUP SIZE:	NA
FILTERS: (4)	16" X 16"	FILTERS: ( )	300 LBS
FIRE SUPPRESSION: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

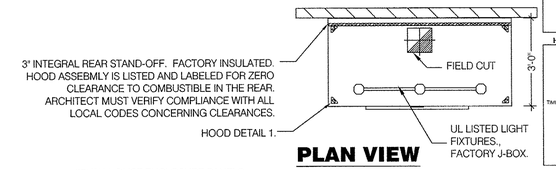
DESIGN NOTES:
- STRATOVENT HOODS ARE ETL LISTED TO UL-710 STANDARDS, 3054804-001
- MODEL SVBD2 IS A NON-CANOPY HOOD, "LISTED" VALUES ARE UTILIZED FOR AIRFLOW, OVERHANGS AND TEMPERATURE RATINGS.
- 18/20 GAUGE MINIMUM S/S ON EXPOSED SURFACES PER NFPA.
- HOOD IS PRE-PIPED FOR ANSUL, SYSTEM INSTALL BY OTHERS.
- 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

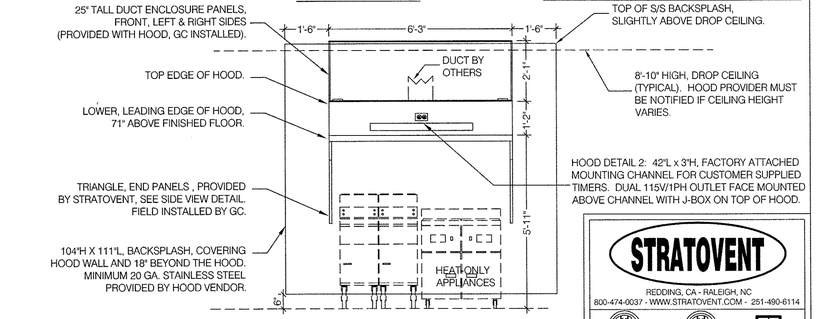


HOOD DETAIL 2: TIMER MOUNTING CHANNEL-POWER OUTLET





PLAN VIEW



FRONT VIEW

STRATOVENT
REDDING, CA - RALEIGH, NC
800-474-0037 - WWW.STRATOVENT.COM - 251-490-6114
(UL-710 Standard) (NSF/ANSI Standard 2) NFPA INTERNAL
ETL-LISTED FILE #3054804-001 / TESTED TO UL-710

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

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

MARK D. MCCLUGGAGE AIA, CCS
1525 E. Douglas Wichita, KS 67211
Tel: (316) 265-5564
Fax: (316) 265-5567
www.gfmv.com
MAINE LIC. # ARC-2323

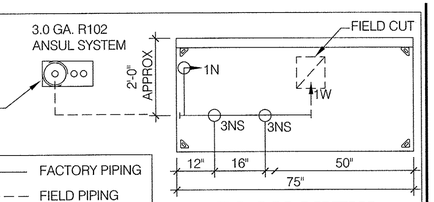
DEVITA
ATLANTA • GREENVILLE • RICHMOND
877.4.DEVITA • corp@devitainc.com
DeVita & Associates, Inc. Project : 16002-30
Drawn By: MAS Checked By: KFM

STATE OF MAINE
ERICA L. BERGKEN
No. 10490
LICENSED PROFESSIONAL ENGINEER
7-8-16

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"



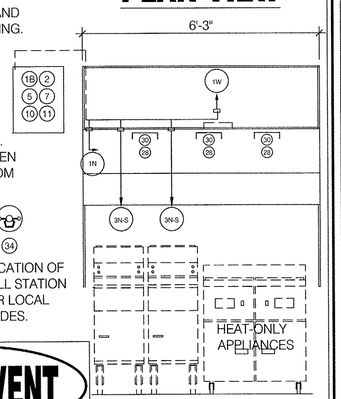
PLAN VIEW

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. 300 REQUIREMENTS.
- SYSTEM INSTALLATION AND FINAL HOOKUP SOURCED BY GEN CONTRACTOR. SYSTEM PARTS OPTIONALLY PURCHASED FROM STRATOVENT BY OWNER OR G.C..

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

LOCATION OF PULL STATION PER LOCAL CODES.



FRONT VIEW

STRATOVENT

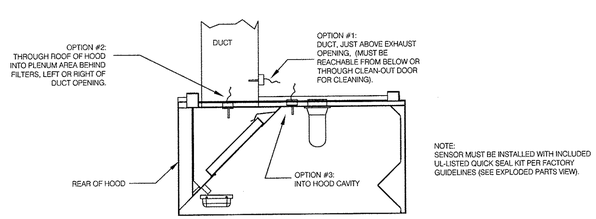
PROVIDED BY: STRATOVENT
RALEIGH, NC - REDDING, CA
CONTACT: JEFF JOHNSON
PH: 251-490-6114, Fax: 919-573-4251
JEFF.JOHNSON@STRATOVENT.COM

REVISED: 05-05-2014

TACO BELL HOOD FIRE SUPPRESSION SYSTEM PLAN N.T.S. | 16

INSTALLATION: DUCT TEMPERATURE SWITCH
HOOD DETAIL

STRATOVENT



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

SIDE VIEW

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

MODIFIED: 05-05-2014

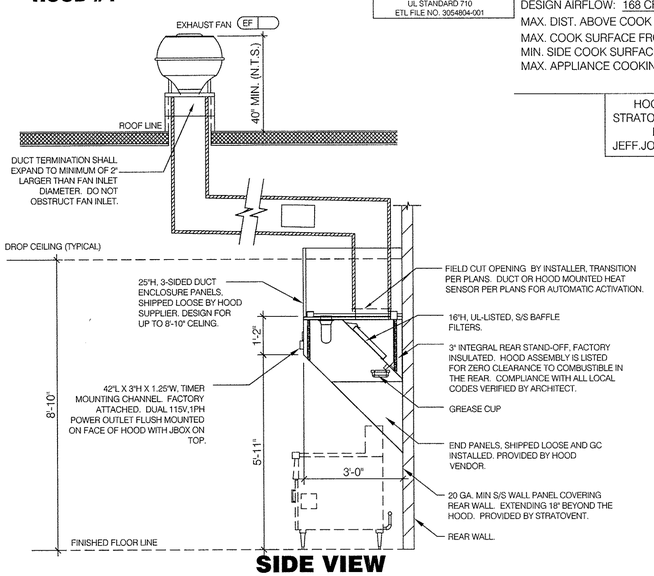
HEAT SENSOR LOCATION N.T.S. | 12

LOW-PROFILE HOOD
HOOD #1

STRATOVENT HOODS BUILT IN COMPLIANCE WITH
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



SIDE VIEW

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

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

CONTRACT DATE:	07.06.2016
BUILDING TYPE:	CONVERSION
PLAN VERSION:	FEBRUARY 2015
SITE NUMBER:	XXX-XXX
STORE NUMBER:	XXXXX

TACO BELL
1363 WASHINGTON AVE.
PORTLAND, ME

CONVERSION
LIVE MAS - MEDIUM40

HOOD DRAWINGS PLANS AND SECTIONS

M3.0

PLOT DATE: