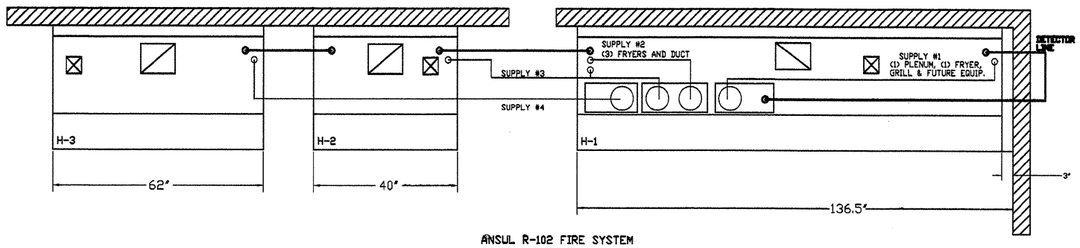
CHICK–FIL–A (SO6– B,C,D,E)
(FREE STANDING UNITS)

PROJECT: PROTO SO6 B, C, D, E
LOCATION:
DATE: 02/23/05
DWG: 11360-1A

REV: 08/02/07

ANSUL R-102 FIRE SYSTEM LAYOUT

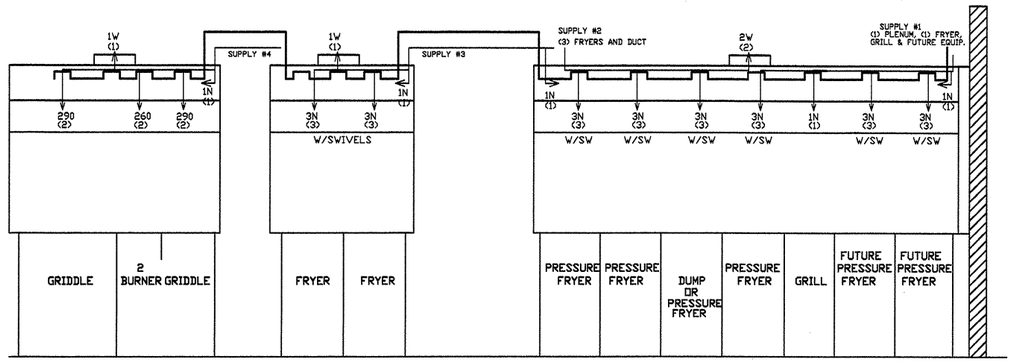


ANSUL R-102 FIRE SYSTEM

A) 12 GALLON SYSTEM (4 TANKS)
(MOUNTED ON TOP OF 136.5"L HOOD)

B) 3/8" BLACK IRON PIPING
W/ 3/8" S.S. APPLIANCE DROPS

(1) REGULATED RELEASE
(2) MICRO SWITHC ASSEMBLIES (MOUNTED IN REG. REL.)
(1) REGULATED ACTUATOR
(1) DOUBLE TANK ENCLOSURE
(4) 3 GALLON TANKS



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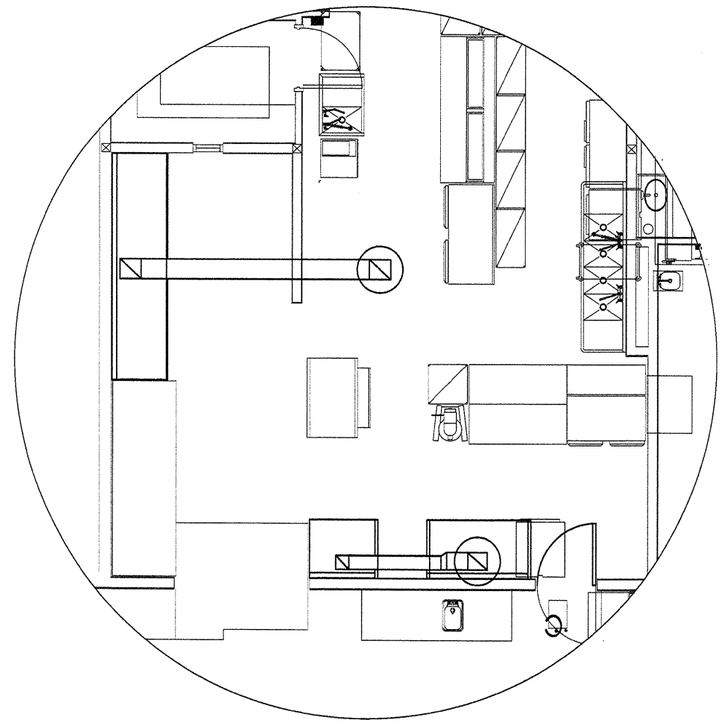
ANSUL R-102 FIRE SYSTEM
UL LISTED PER STD LATEST STD 300

1. FINAL INSTALLATION IS TO BE MADE IN ACCORDANCE WITH ALL APPLICAPBLE CODES
2. ALL ELECTRICAL COMPONENTS FOR EQUIPMENT SHUT DOWN TO BE PROVIDED BY THE ELECTRICIAN.
   MICRO-SWITCH INSTALLED IN REGULATED RELEASE BY ANSUL INSTALLER
3. REMOTE PULL STATION LOCATED AT POINT OF EGRESS



FUSIBLE LINK RATINGS

ITEM	TEMP
OPEN FRYERS	450°
2 BURNER / FLAT TOP	450°
PRESSURE FRYERS	450°
GRILL	450°
EXHAUST COLLARS	450°

ANSUL R-102 FIRE SYSTEM NOTES
FOUR TANK SYSTEM MOUNTED ON TOP OF (H-1)
MAXIMUM FLOW POINTS = 44

ITEM #	QTY	DESCRIPTION	FLOW PTS (TOTAL)
2W	1	DUCT NOZZLES	2
1W	2	DUCT NOZZLES	2
1N	4	PLENUM NOZZLES	4
1N	1	APPLIANCE NOZZLES	1
3N	8	APPLIANCE NOZZLES	24
260	1	APPLIANCE NOZZLES	2
290	2	APPLIANCE NOZZLES	4

TOTAL FLOW POINTS - 39

ITEM #	QTY	DESCRIPTION
#200	13	SERIES DETECTORS W/ FUSIBLE LINKS
#201	1	TERMINAL DETECTOR W/ FUSIBLE LINKS
#202	1	3 GALLON REGULATED RELEASE W/ DOUBLE POLE MICRO SWITCH
#203	1	3 GALLON REGULATED ACTUATOR
#204	2	EXTRA 3 GALLON TANKS
#205	1	REMOTE PULL STATION

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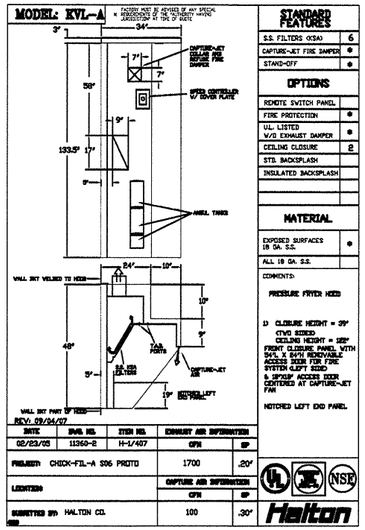
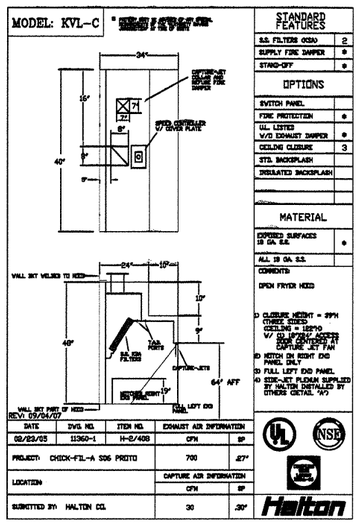
REV DATE: 08/02/07

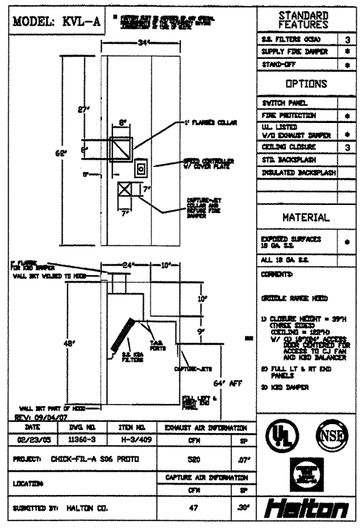
PROJECT: CHICK–FIL–A	
TITLE: HOOD LAYOUT	
LOCATION: PROTO SO6 BCDE	
DATE: 08/16/05	DWG#: 11360

CHICK-FIL-A (S06- B,C,D,E)

(FREE STANDING UNITS)



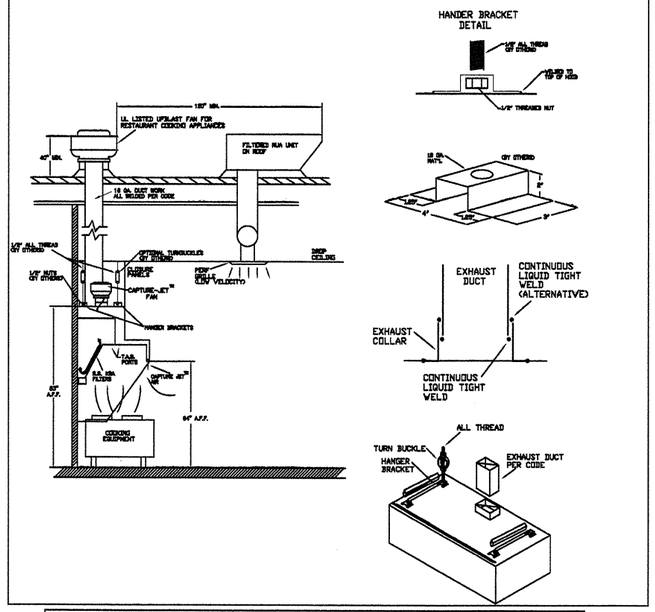


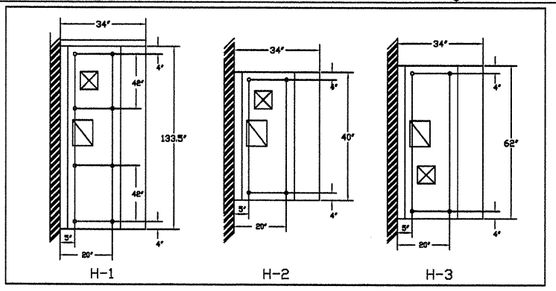


KITCHEN HOOD SYSTEMS NOTES

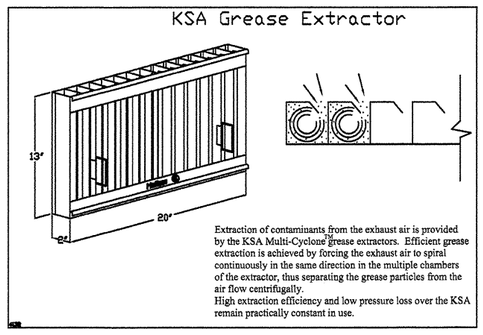
1. CHICK-FIL-A MAINTAINS A NATIONAL ACCOUNT WITH HALTON CO. FOR THE HOODS. CHICK-FIL-A WILL PURCHASE AND PROVIDE THE HOODS FOR INSTALLATION BY THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR RECEIVING THE HOODS. CONTACT HALTON CO. AT 270-237-5600 FOR MORE INFO.
2. REFER TO 'PART 2 CONTROLS' OF THE MECHANICAL SPECIFICATIONS FOR DIFFERENTIATION BETWEEN CONTROL AND POWER WIRING RESPONSIBILITIES.
3. ANY CONTACTORS OR WIRING REQUIRED FOR SHUT-OFF OF ELECTRIC COOKING EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
4. ALL ROOF CURBS SHALL BE SHIMMED LEVEL.
5. ROOF CURBS FOR EXHAUST SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE 'NATIONAL ROOFING CONTRACTORS ASSOCIATION' GUIDELINES, AND THE ROOFING SUPPLIER'S DETAILS AND GUIDELINES FOR THE SPECIFIC ROOFING MATERIALS USED. ALL CURB INSULATION SHALL BE SUPPLIED AND INSTALLED BY ROOFING CONTRACTOR.
6. THE GENERAL CONTRACTOR SHALL PROVIDE ALL ROOFCUT OPENINGS AND OTHER STRUCTURAL REQUIREMENTS FOR THE INSTALLATION OF ALL ROOF EQUIPMENT. REFER TO STRUCTURAL FRAMING PLAN FOR EQUIPMENT LOCATION DIMENSIONS.
7. THE FIRE SUPPRESSION SYSTEM SHALL CONSIST OF A COMPLETE WET ANSUL SYSTEM FURNISHED BY HALTON. THE HOOD SHALL BE FURNISHED PREPIPED BY HALTON COMPONENTS AND INSTALLATION SHALL MEET THE REQUIREMENTS OF NFPA-96, NFPA-17A, ALL APPLICABLE STATE AND FEDERAL CODES AND STANDARDS.
8. THE R-102 ANSUL FIRE SUPPRESSION SYSTEM EXTERNAL TO THE HOODS SHALL BE INSTALLED IN ACCORDANCE WITH HOOD MANUFACTURER'S SHOP DRAWINGS BY AN AUTHORIZED ANSUL SYSTEM INSTALLER HIRED BY HALTON.
9. PORTABLE FIRE EXTINGUISHERS IN THE KITCHEN SHALL BE PROVIDED BY THE GENERAL CONTRACTOR IN COMPLIANCE WITH NFPA-10 AND LOCAL REQUIREMENTS.
10. OUTLETS OF EXHAUST FANS SHALL BE AT LEAST 40 INCHES ABOVE ROOF LINE.
11. EXHAUST FANS SHALL BE LOCATED A MINIMUM OF 10 FEET FROM ANY FRESH AIR INTAKE. MEASUREMENT SHALL BE MADE USING STRETCHED STRING METHOD.
12. HOOD EXHAUST DUCTWORK SHALL BE 16 GA. BLACK STEEL WITH CONTINUOUS LIQUID TIGHT WELD OF JOINTS & SEAMS.
13. TURNS IN GREASE EXHAUST DUCTWORK SHALL BE LONG RADIUS TYPE, WITH A CENTERLINE RADIUS R-1.5W/2, NO EXCEPTIONS ALLOWED. NO MITERED FITTINGS ALLOWED.
14. HOODS AND ASSOCIATED DUCTWORK SHALL BE INSTALLED PER NFPA 96 AND LOCAL CODES.
15. ALL STAINLESS STEEL SHROUDS SHALL BE SUPPLIED BY HOOD MANUFACTURER AND INSTALLED BY THE GENERAL CONTRACTOR ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
16. HOODS, FANS AND ACCESS DOORS SHALL BE LISTED BY UNDERWRITERS INC. AND SHALL MEET REQUIREMENTS OF NFPA-96.
17. ACCESS DOORS SHALL BE REMOVABLE WITHOUT USE OF TOOLS AND BE PROVIDED WITH GASKET SEAL.
18. SLOPE ALL GREASE EXHAUST DUCT BACK TO HOOD AT 1/4" PER FOOT OF RUN.
19. WRAP NEW GREASE DUCT WITH 3M FIRE BARRIER 15A. ACCESS DOORS SHALL BE INSTALLED ACCORDING TO 3M FIRE BARRIER PRODUCTS INSTALLATION MANUAL.

HANGER BRACKET DETAIL



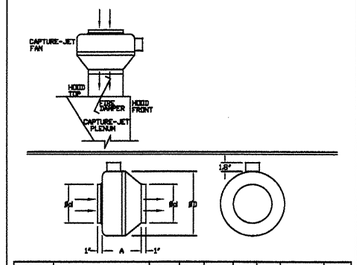


KSA Grease Extractor



Extraction of contaminants from the exhaust air is provided by the KSA Multi-Cyclone® grease extractors. Efficient grease extraction is achieved by forcing the exhaust air to spiral continuously in the same direction in the multiple chambers of the extractor, thus separating the grease particles from the air flow centrifugally.
High extraction efficiency and low pressure loss over the KSA remain practically constant in use.

Capture-Jet Fan Installation and Dimensional Data

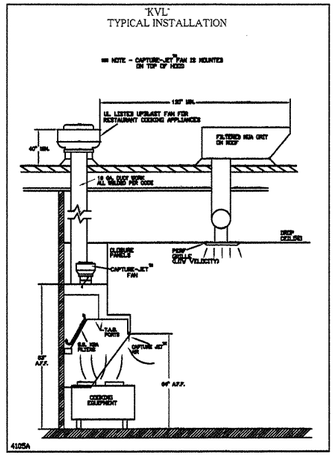


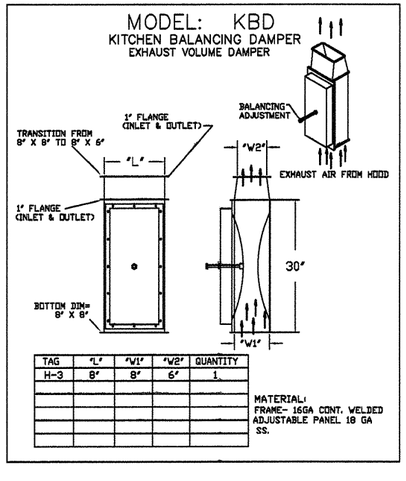
MODEL	AIR FLOW @1" SP	ØD	Ød	A	HP	FLA	VOLTAGE	LBS.
K4XL	30 CFM - 80 CFM	9.50"	4.0"	6.0"	.11	.75	120/1/60	6.6
K6XL	70 CFM - 170 CFM	13.20"	6.0"	6.0"	.20	1.31	120/1/60	10.6
K8XL	100 CFM - 240 CFM	13.20"	8.0"	6.0"	.20	1.38	120/1/60	11

TAG	MODEL	QTY	AIRFLOW
H-1	K6XL	1	100
H-2	K4XL	1	30
H-3	K4XL	1	47
H-4	K4XL	1	36

6 AMP SPEED CONTROLLER LOCATION
☒ TOP OF HOOD
☐ MOTOR CONTROL PANEL

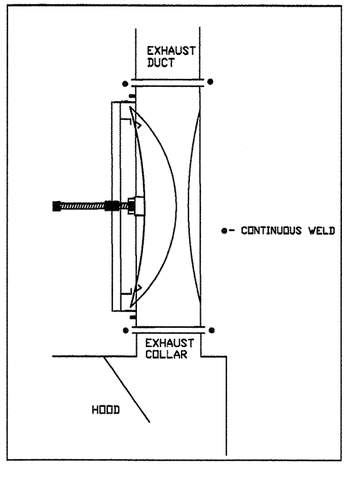
PROJECT: CHICK-FIL-A | DATE: 02/23/05
LOCATION: | DWG: 11360
Halton

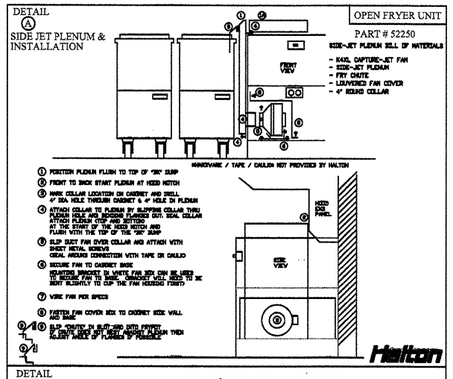


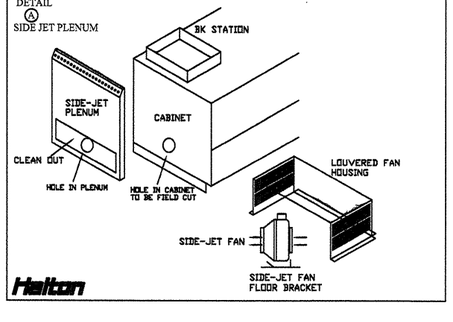


TAG	"L"	"W1"	"W2"	QUANTITY
H-3	8"	8"	6"	1

MATERIAL:
FRAME- 16GA CONT. WELDED
ADJUSTABLE PANEL 18 GA S.S.







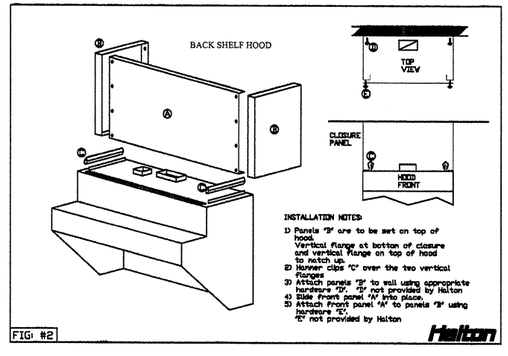


FIG. #2

Halton
HALTON COMPANY, 101 INDUSTRIAL DR., SCOTTSVILLE, KY 42164
MODEL NO. KVL-A | SERIAL NO.
LISTED 78L4 UL | NSF
EXHAUST HOOD WITHOUT EXHAUST DAMPER

GENERAL REQUIREMENTS

SUITABLE FOR 400°F SURFACE TEMPERATURES MINIMUM EX. CFM/FT = 100
DESIGN FRONT SUPPLY AIR FLOW = 0 CFM/FT OF HOOD LENGTH
MINIMUM OVERLAP BETWEEN FRONT PANEL AND COOKING SURFACE 28.0 INCHES
MINIMUM OVERLAP BETWEEN SIDE PANEL AND COOKING SURFACE 25.0 INCHES
VERTICAL GAP BETWEEN THE FRONT EDGE OF HOOD AND COOKING SURFACE 36.00" MAX
FAN MOTOR CONTROL CIRCUIT: 120/277 V, 60/25 A, 60 HZ
NON-ACID FILTERS ONLY WITH UL CLASSIFIED GREASE FILTERS OF THE SAME MODEL AND MANUFACTURER.
REPLACE SUPPLY DAMPERS FUSIBLE LINK WITH HALTON 165°F MODEL HFE FOR LOADS 7 TO 25 LBS.

Halton
HALTON COMPANY, 101 INDUSTRIAL DR., SCOTTSVILLE, KY 42164
MODEL NO. KVL-C | SERIAL NO.
LISTED 78L4 UL | NSF
EXHAUST HOOD WITHOUT EXHAUST DAMPER

GENERAL REQUIREMENTS

SUITABLE FOR 400°F SURFACE TEMPERATURES MINIMUM EX. CFM/FT = 150
DESIGN FRONT SUPPLY AIR FLOW = 7 CFM/FT OF HOOD LENGTH
DESIGN SUPPLY AIR FLOW AT SIDE JETS = 300 AT PRESSURE PORT
MINIMUM OVERLAP BETWEEN FRONT PANEL AND COOKING SURFACE 28.0 INCHES
MINIMUM OVERLAP BETWEEN SIDE PANEL AND COOKING SURFACE 25.0 INCHES
VERTICAL GAP BETWEEN THE FRONT EDGE OF HOOD AND COOKING SURFACE TO 60" MAX
FAN MOTOR CONTROL CIRCUIT: 120/277 V, 60/25 A, 60 HZ
NON-ACID FILTERS ONLY WITH UL CLASSIFIED GREASE FILTERS OF THE SAME MODEL AND MANUFACTURER.
REPLACE SUPPLY DAMPERS FUSIBLE LINK WITH HALTON 165°F MODEL HFE FOR LOADS 7 TO 25 LBS.

HALTON HOODS
- UL LISTED PER LATEST 710 STANDARD
- BUILT PER NFPA 96
- NSF LISTED

Halton

REV DATE: 09/04/07

PROJECT:	CHICK-FIL-A
TITLE:	HOOD LAYOUT
LOCATION:	PROTO S06 BCDE
DATE: 08/16/05	DWG#: 11360