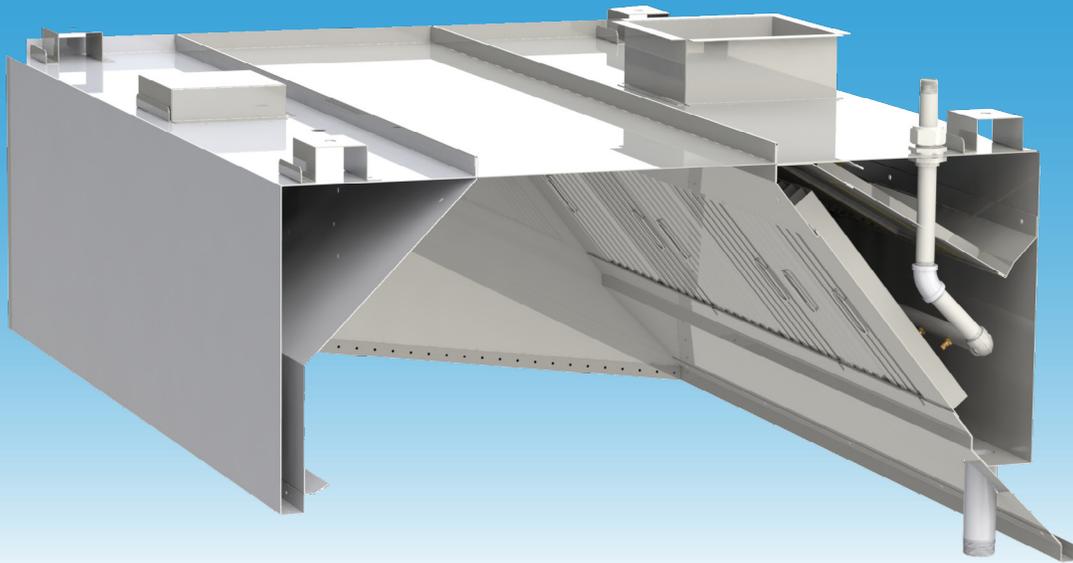


Operators Manual for **Capture Jet™** with **Continuous Mist**

Manual provides
Installation, Operation and Maintenance Instructions



Capture Jet™ Hoods- with Continuous Mist
KVE-CM

Table of Contents

Safety Information	3
Specific Safety Precautions	4
General Description	6
Recommendation	6
General Installation	6
Exhaust Airflows	6
Installation Instructions	7
Hood Installation Details	10
Exhaust Duct Connection Details	11
Splice Strip / U-Channel Assemblies	12
Hoods End to End	12
Hoods Back to Back	12
Closure Panel Assembly	13
Single Hood	13
End to End Hoods	13
Back to Back Hoods	14
End to End and Back to Back Hoods	14
Hoods with KDS Risers	15
Operation of System	16
T.A.B.™ - Testing and Balancing Ports	17
Cross Section of Capture Jet™ Continuous Mist Hood	18
Hood Maintenance	18
Filter Removal Instructions	19
Replacement Parts Schematic	20
Preventative Maintenance	21
Electrical Wiring/Connections	22
Warranty Form	23

Safety Information

The instructions contained in this manual have been prepared to aid you in learning the proper procedures for installing and servicing your unit.

Throughout this manual, safety precautions are identified through the use of the safety alert symbol and three signal words: DANGER, WARNING, and CAUTION. All safety alert information precedes the step(s) to which they apply. Suggested, recommended, or other noteworthy information is identified through the use of NOTES. Additionally, certain words are used to indicate a specific meaning or to add emphasis.

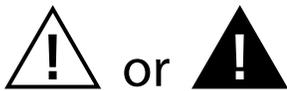
The following words are used as indicated throughout the manual:

Shall: understood to be mandatory.

Should: understood to be advisory.

May: understood to be permissive.

Will: indicates a future event/condition to occur.



(Safety Alert Symbol)

Used in conjunction with signal words (DANGER, WARNING, or CAUTION) to alert you of potential personal injury hazards, immediately preceding precautionary measures that pertain to subsequent step(s). Obey all safety messages that follow this symbol to avoid possible injury or death. Failure to adhere to safety precautions identified by the safety alert symbol may also void the warranty.



- Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. Use of this is limited to the most extreme situations.



- Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



- Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. Also used to alert against unsafe practices.



- When used without the safety alert symbol, CAUTION indicates a potentially hazardous situation which, if not avoided, may result in equipment/property damage, and void the warranty.

NOTE:

- Identifies suggested, recommended, or other noteworthy information.

Specific Safety Precautions

For your safety, please observe the following precautions when operating or servicing your KVE-CM. Read the following important safety information to avoid personal injury and/or damage to the equipment.

DANGER

- Always disconnect the source of the main power before removing the service entrance box cover.
- Failure to ensure the Power switch is in the “OFF” position during servicing and when replacing filters could result in equipment damage, electrical shock and/or personal injury.
- Failure to comply with these **DANGER** notices will result in death or serious injury, equipment/property damage, and void the warranty.

WARNING

- **DO NOT** use or store flammable liquids or materials that produce flammable vapors in the vicinity of this or any other appliance!
- Consult a qualified electrician to ensure all electrical specifications have been met and the unit is properly grounded.
- Before installing or servicing this equipment, read the contents of this manual thoroughly.
- Improper installation, adjustment, alteration, service or maintenance could result in death or serious injury, equipment/property damage, and void the warranty.
- Failure to comply with these **WARNING** notices could result in death or serious injury and equipment or property damage.

CAUTION

- Exercise care when removing the wooden crating from around the unit.

CAUTION

- **DO NOT** operate the unit unless you fully understand the components and their intended function.
- Failure to comply with these **CAUTION** notices may result in minor or moderate injury, equipment or property damage, and void the warranty.

CAUTION

- The electronic components of the Control Panel are impact-sensitive. Exercise care around the Control Panel to maintain proper operation.
- During cleaning of Hood.
 - **DO NOT** use products containing chlorine.
 - **DO NOT** use abrasive products, steel wool or scouring pads.
- Failure to comply with these CAUTION notices may result in equipment/property damage and void the warranty.

NOTE:

- If upon receipt, the palletized unit shows any signs of damaged, immediately inspect the entire Hood and the included accessories, and promptly notify the freight company of any damages.
- To aid the electrician, an electrical wiring diagram is included with this manual. Refer to the wiring diagram during installation or servicing. A wiring diagram may be obtained from the factory by calling Halton at 270-236-5600
- Comply with all appropriate state and/or local health regulations regarding the cleaning and sanitation of equipment.
- For difficult areas with excessive particulate build up, a mild bio-degradable non-toxic degreaser (such as Clear Magic or Simple Green) may be used.
- Always ensure the unit is electrically grounded and installed in accordance with local codes, or in the absence of local codes, in accordance with the National Electrical Code ANSI/NFPA No. 70-1984.

NOTE:

- **An HVAC specialist may be required for some installations to confirm proper air exchange and the heat load capabilities of the on-site AC system.**

⚠ CAUTION

- Use suitable equipment to lift the hood and carefully move it away from the pallet. Take precautions not to damage to the hood. If possible, it is advisable to rig and lift the hood from the topside, utilizing the hood's hanging brackets.
- Exercise care when removing the wooden framing from around the unit.
- Failure to comply with these CAUTION notices may result in minor or moderate injury, equipment or property damage, and void the warranty.

⚠ CAUTION

- **DO NOT MODIFY, ALTER OR ADD ATTACHMENTS TO THIS EQUIPMENT**

General Description

Halton's Continuous Mist technology provides solutions for a variety of commercial food service ventilation applications over solid fueled cooking process. Based on Halton's patented highly efficient Capture Jet® solution and advanced mechanical KSA filter technology, the Continuous Mist feature focused on exhaust temperature reduction and ember carry over elimination. The Continuous Mist system is built into the hood's grease plenum.

To achieve the optimum performance from your hood system (s) please use the following guidelines provided within the pages of this Installation, Operation and Maintenance Manual.

In addition to this information technical support is available from the Halton Factory, 1-800-442-5866, or (1-800-4-HALTON) during regular office hours, 7 A.M. to 5 P.M. Central Time, to provide support for products, applications, installation, commissioning or for any aspect that you may have. Our local sales representatives can also provide support.

Recommendation

Upon receipt of the Halton hood (s), inspect unit (s) immediately for any shipping damage and notify carrier immediately if damage is found. Halton will not accept responsibility for any shipping damage. All systems are thoroughly inspected before leaving our factories; however Halton will assist in filing a claim if needed.

General Installation

It is the responsibility of the installing contractor to see that the system installation is completed in accordance with the project plans and specifications and that it meets all specific requirements of local code officials. The local authority having jurisdiction could over rule some of the installation details written in this manual. The installation shall be in accordance with NFPA-96. All electrical systems shall be installed following local and national codes.

The owner and/or operator should be instructed in the proper operation, care and maintenance of the system.

If questions or complications should arise during the installation of the Halton hood (s) that cannot be solved using the instructions provided please contact the Halton office at 1-800-442-5866, or (1-800-4-HALTON).

Note: There are no instructions contained within this manual for installation or maintenance of fan packages.

****See appropriate manufacturers manual for detailed instructions.**

Exhaust Airflows

Please see submittal drawings or contact the manufacturer for each hood's exhaust air flow rates. Halton's applications department determines the optimum exhaust rate for effective capture & containment of cooking effluent. These exhaust airflows are included in the job submittal drawings for each hood and are customized for the specific kitchen appliance arrangement and environment.

Installation Instructions

1. Inspect the crating carefully. If there are signs of damage, call the freight carrier before uncrating the units. Carefully uncrate the units. Check all local codes prior to installation; special requirements may be necessary depending on local building material construction.

**** Important note ** Do not leave unit (s) exposed to extreme temperatures for an extended period of time, this may cause the protective PVC coating around the unit (s) to become very difficult to remove.**

2. Position the hood near the actual installation site. In case of multiple hoods, check the engineered set of drawings for locations. Pay close attention to collar sizes and fire protection layouts, matching the hood systems to the correct location shown on the drawings provided.

****Check item numbers on crates / hoods vs. drawing item numbers.**

3. Once the hood is carefully removed from the shipping crate and set in position, the unit is now ready for installation. If Halton Company has supplied a backsplash assembly, then the splash assembly should be installed first, for installation procedures see pg. 9.
4. Hang the hood using ½" threaded rods by attaching the rods to the hood through the hanger brackets that are welded to the top of the hood. Use of turnbuckles with the threaded rod sections will make final adjustment easier. Standard hanging height for canopy hoods ranges from 78" min. to 84" max. from the finished floor to the lower edge of the front of the hood (per local codes having jurisdiction). ****Noted in installation details illustration- see pg. 10.**

Note:

Allow 100lbs (45kg) per linear foot hanging weight.

Do not lift exhaust hoods from their end panels. Lift from four corners

All exhaust hoods and control panels are fitted together and factory tested prior to shipping for alignment and operation.

5. Duct connections must meet NFPA 96 requirements and applicable local codes. Size of connection is indicated on exhaust hood drawing. Connection is to be made after exhaust hood is hung.
6. Electrical circuits should be connected according to the job specific wiring diagram shown on the submittal drawings. Continuous Mist hoods have additional wiring requirements to connect the control panel to the hoods, as well as connections between multiple hoods operated from the same control panel. A typical field wiring diagram showing these connections is shown on pg. 22. The following electrical service requirements are field installed:

A 120 volt, 15 amp uninterrupted supply to the control panel.

A separate 120 volt, 15 amp supply to the light fixture junction box(es) on top of each hood.

A 120 volt circuit from the control panel to the exhaust fan starter coil or relay.

A 120 volt circuit from the control panel to the make up air fan starter coil or relay.

There may be additional wiring circuits for fire alarm notification to a building BMS. This is optional.

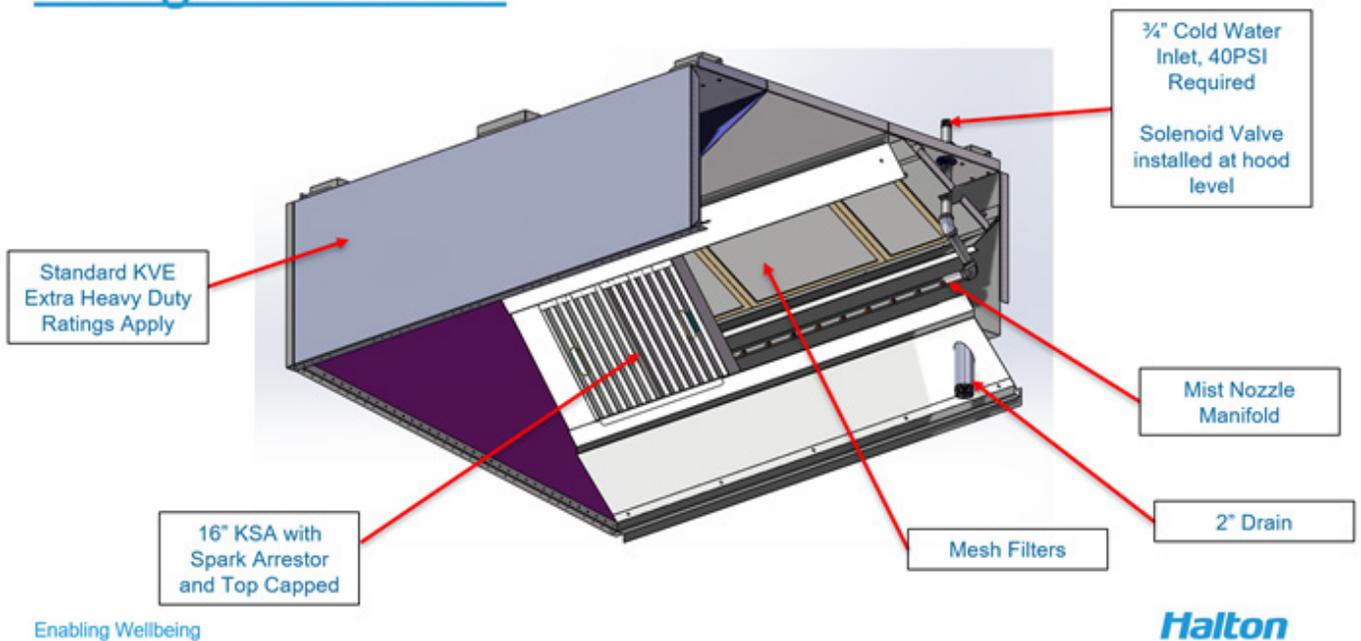
Please see job specific wiring connection information in the job submittal drawings and an additional wiring diagram is included in the electrical control box shipped with the job. Additional copies may be obtained from the factory if this wiring diagram is missing or lost. Please be prepared to provide the job order number (found on the sales invoice), job name and address or submittal drawing series number when contacting the factory for this or other job specific documents.

7. Plumbing service requirements:

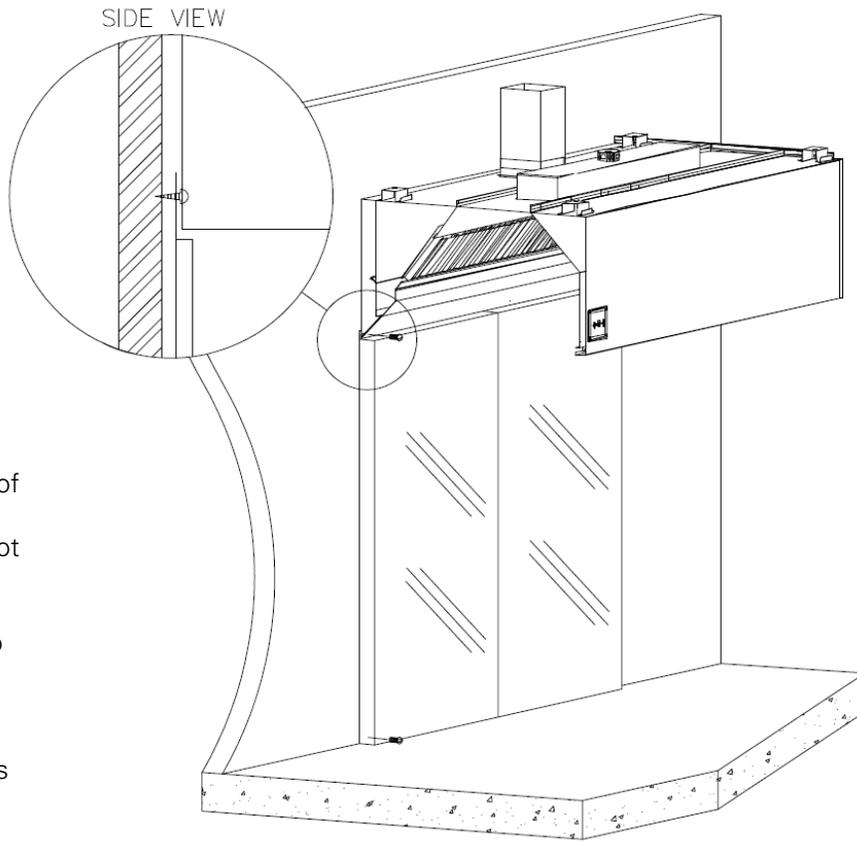
1. Cold water supply to the hood must be sized to accept appropriate volume of water measured in U.S. gallons per minute at 40 psig/min. at a constant flow pressure of 25 psig at the hot water nozzles in the hood. Water consumption is 0.16 GPM/FT of hood. (9.6 GPH/Ft of hood).

2. Supply and connect 3/4" ips for water to the hood. Supply and connect drains as specified from ventilator section(s) to floor drain as required by local codes. Waste drain is 2" pipe. Do not use 90° elbows in drain line. If 90° bend is required use two 45° fittings. If traps are required in drain line install it in the vertical section of the line. Supply and install grease traps as required by local codes, sized to handle maximum volume as calculated above. Supply and install back flow preventers, anti-syphon valves or vacuum breakers as required by local codes. Di-electric connections, where required by code on water supply feed to panel, are to be supplied by mechanical trade. Water lines should be thoroughly flushed prior to connecting lines to control panel. Remove one of the spray nozzles farthest from water intake to flush lines, replace nozzle when flushing is completed. Inlet and drain line attachment points at the hood are illustrated on pg. 8.
8. Halton hoods come standard with high output, long lasting LED light fixtures. Optionally incandescent or recessed fluorescent fixtures may be ordered. Please note only install 100 watt maximum light bulbs in incandescent light fixtures. Fluorescent bulbs should be type T8, 36" or 48" long in fluorescent fixtures. **Note: Halton does not provide bulbs for incandescent or fluorescent lights.
9. For multiple hoods end to end, or back to back see pg. 12 for Installation of Splice Strips and U-Channels.
10. If Closure Panels are supplied by Halton see pgs. 13 - 15 for details on the installation.
11. Protect the hood from damage under normal job site conditions, until all work is complete and system is ready to be put into operation.

Design Overview



1" Insulated Backsplash Assembly

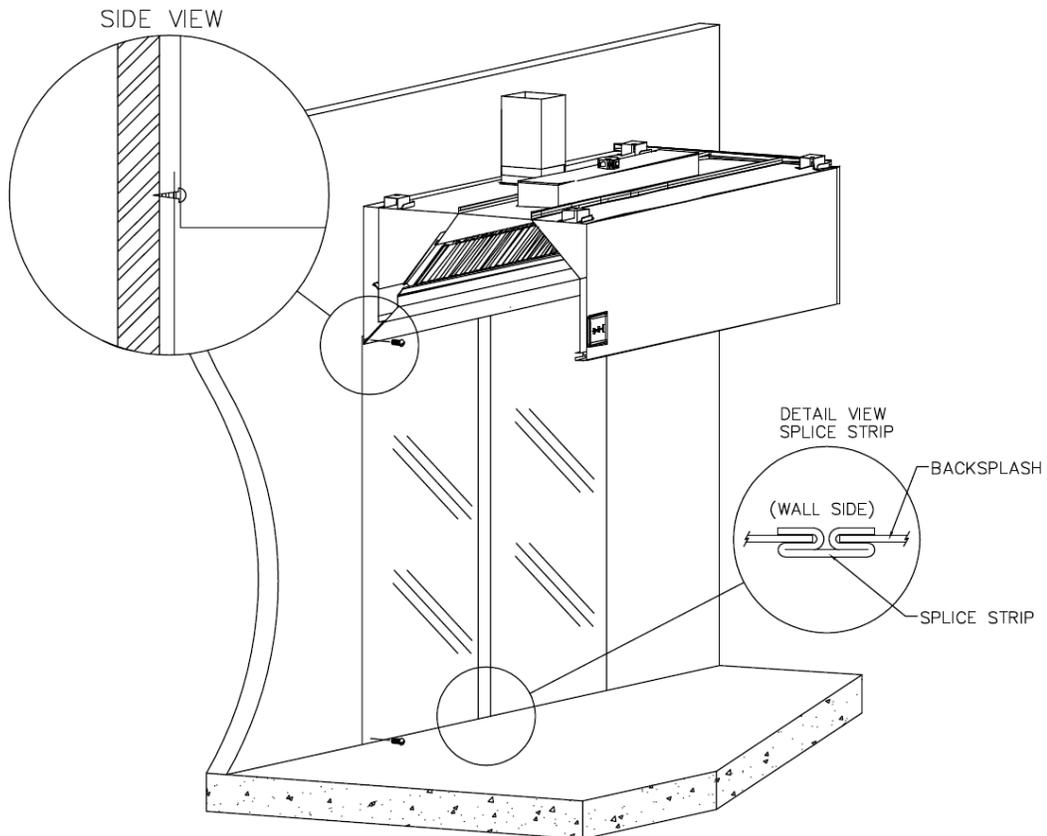


Screw through top of flange to wall.
 *(screw head will not interfere with hood)

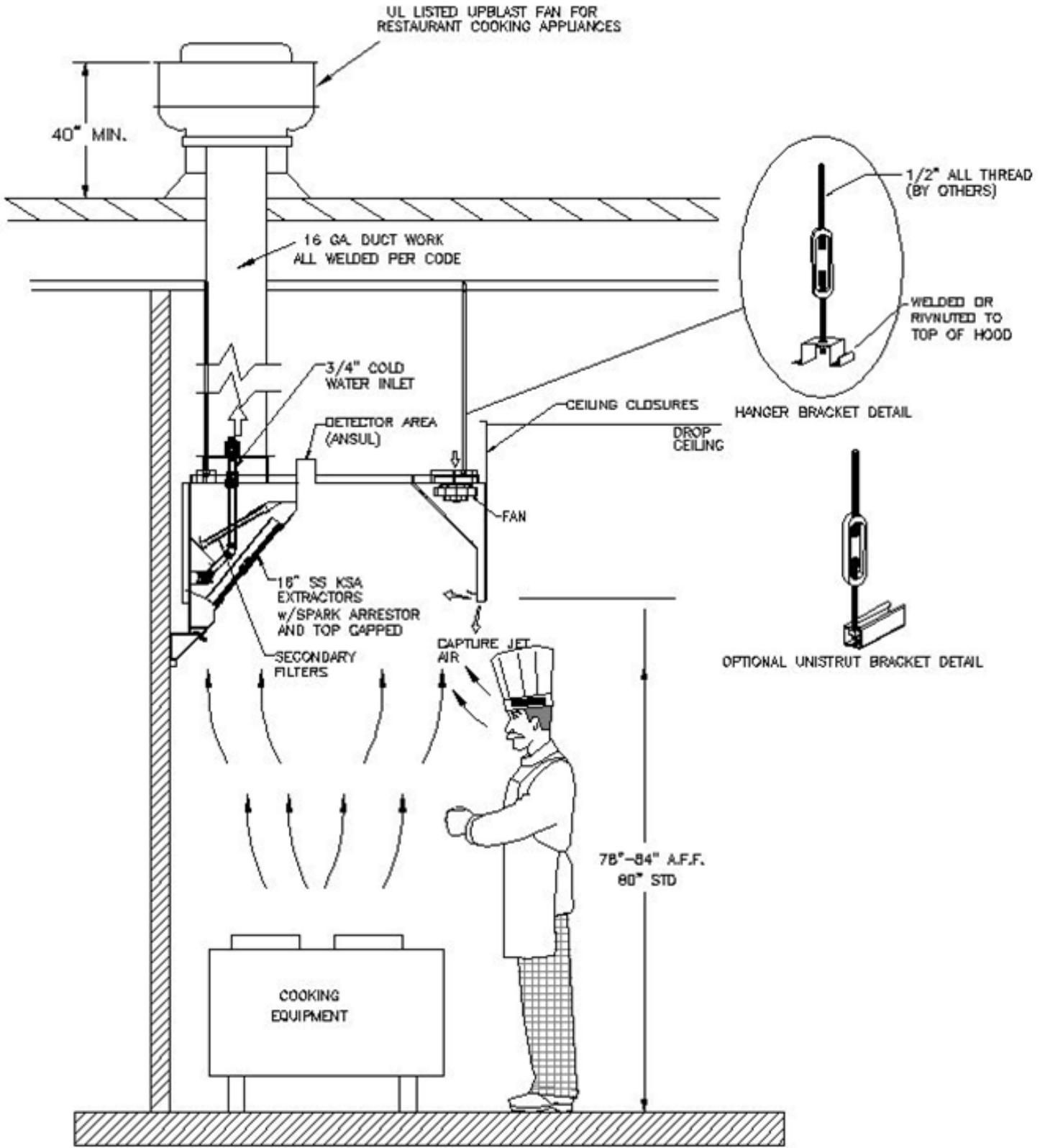
Screw backsplash to wall or attach with adhesive.

Halton canopy hoods should be installed from 78" min.- 84" max. above the finished floor.

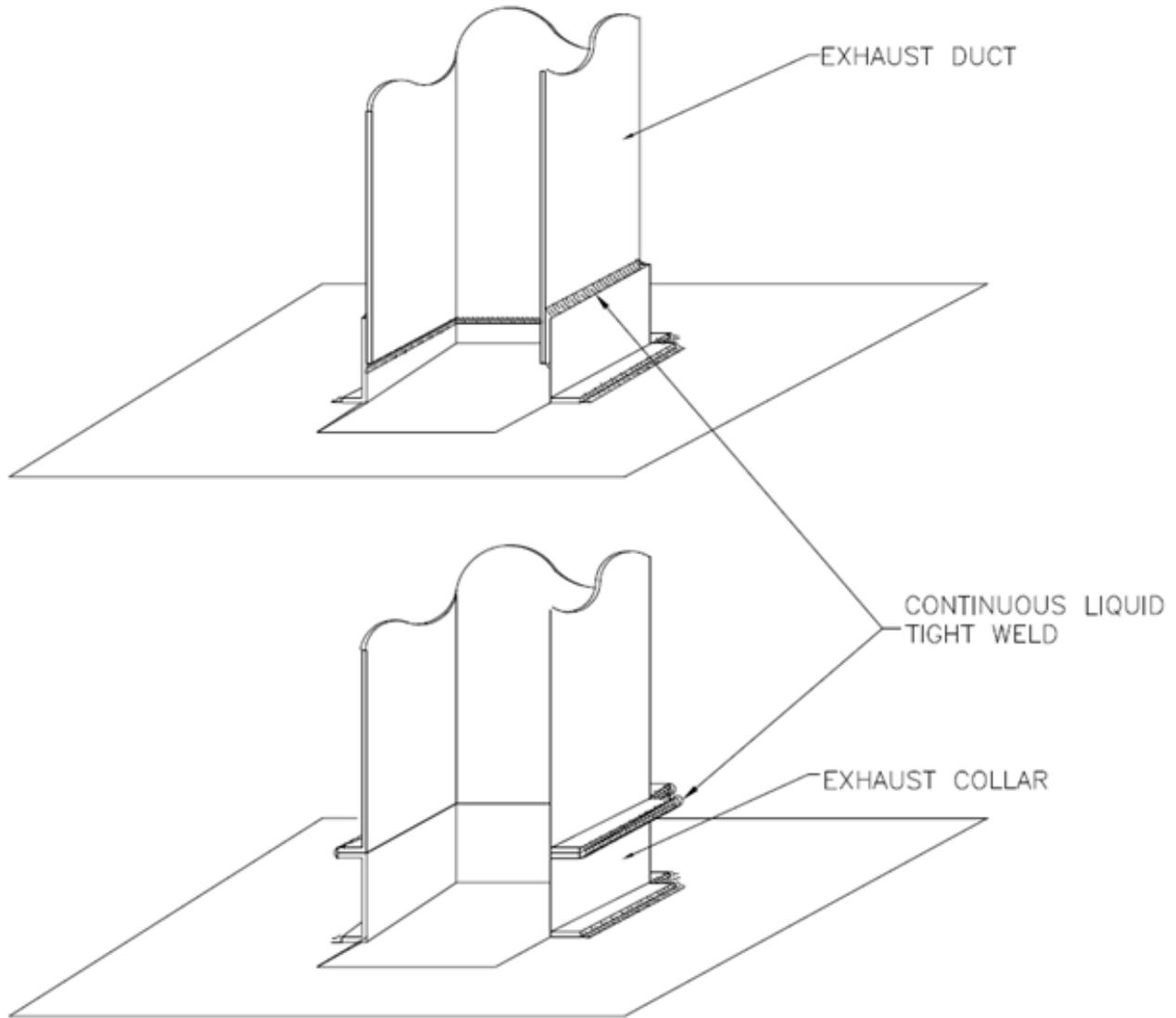
Flat Sheet Backsplash Assembly



Hood Installation Details

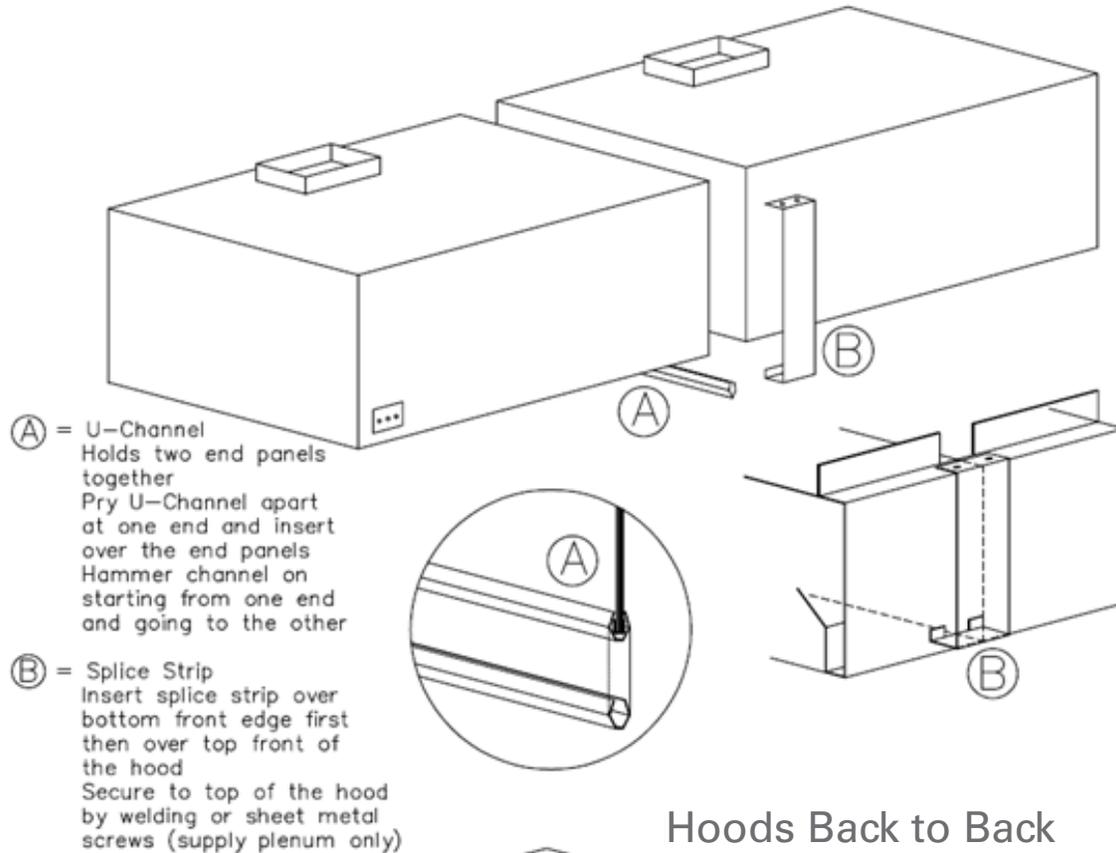


Exhaust Duct Connection Details

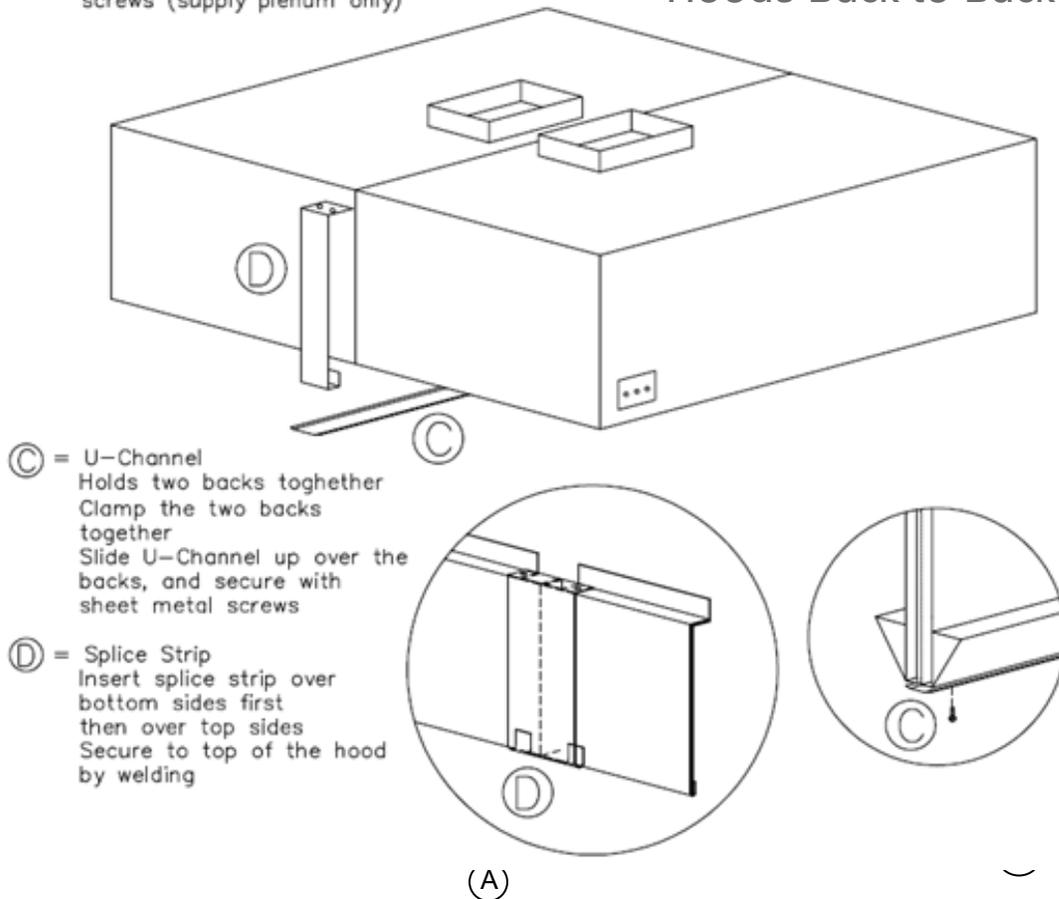


Splice Strip / U-Channel Assemblies

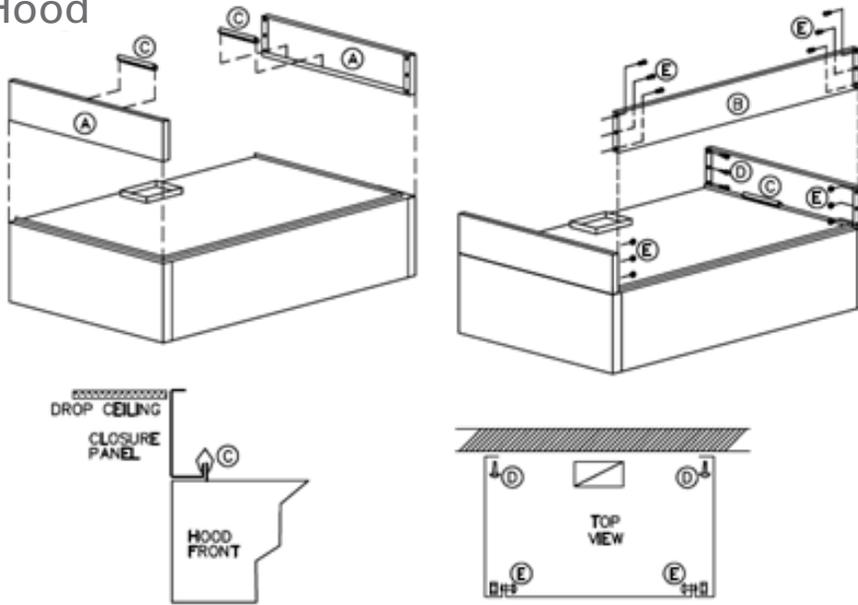
Hoods End to End



Hoods Back to Back



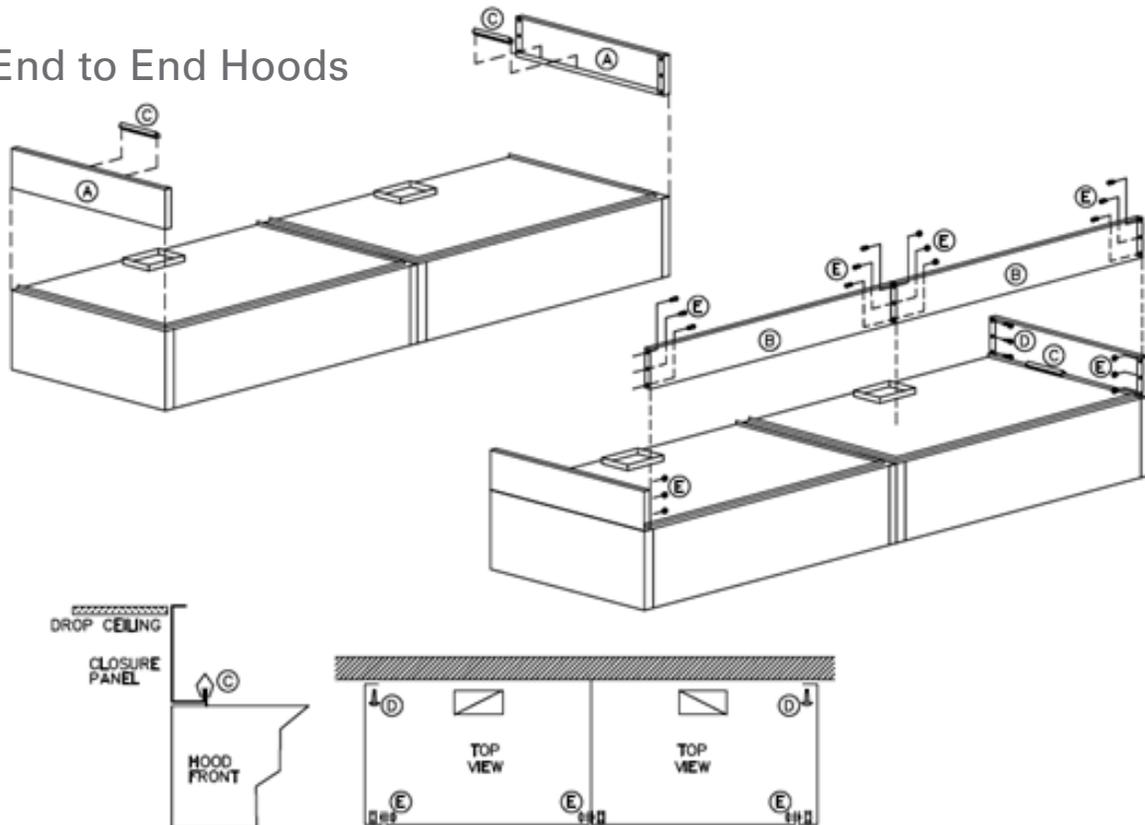
Single Hood



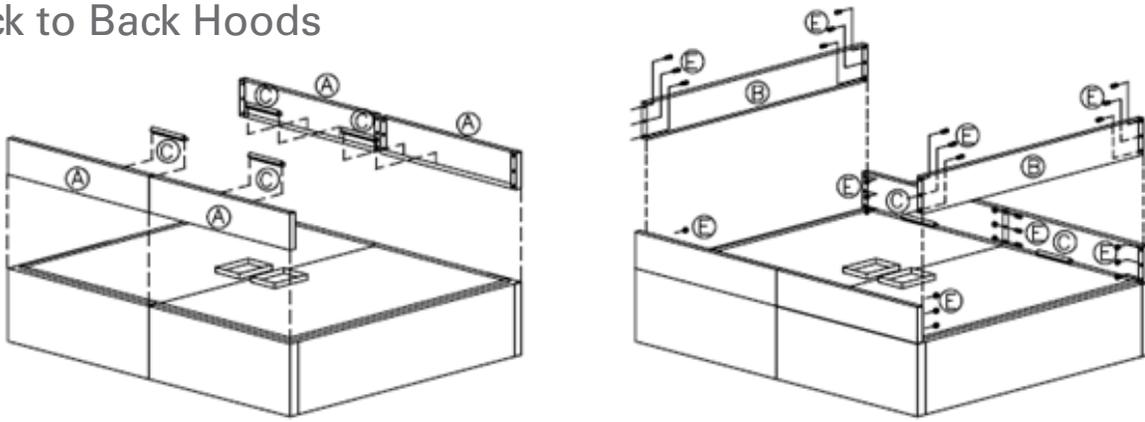
- (C) Closure Clips (By Halton)
- (D) Wall Attachment Hardware (By Others)
- (E) Panel Connection Hardware (By Others)

1. Panels "A" are placed on the top of the hood on the outside perimeter of the hood at each end of the hood group.
2. Align the clips "C" over vertical flanges and hammer clips down over flanges.
3. Attach panels "A" to rear wall with hardware "D".
4. Attach panel(s) "B" to panels "A" with hardware "E" .

End to End Hoods

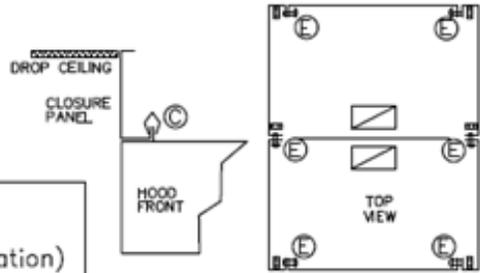


Back to Back Hoods

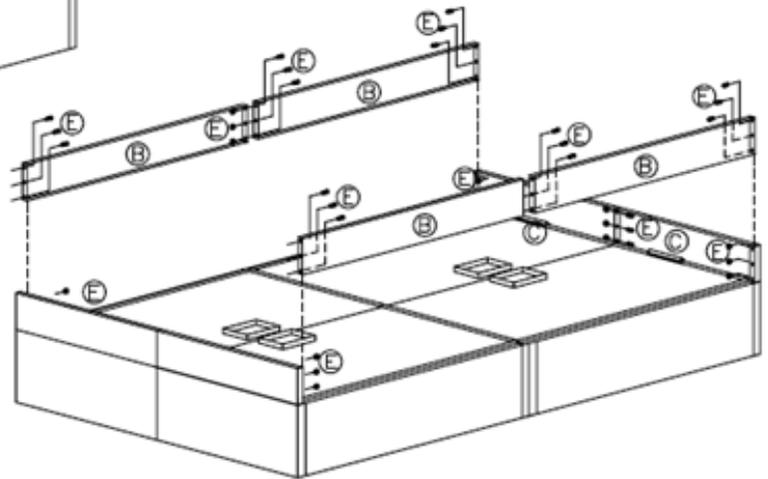
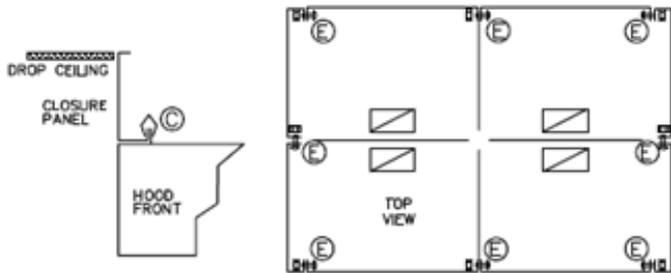
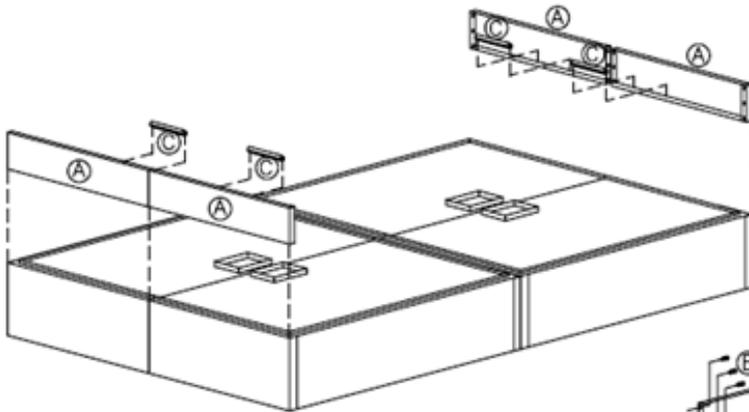


- Ⓒ — Closure Clips (By Halton)
- Ⓓ — Wall Attachment Hardware (Not Used in this Configuration)
- Ⓔ — Panel Connection Hardware (By Others)

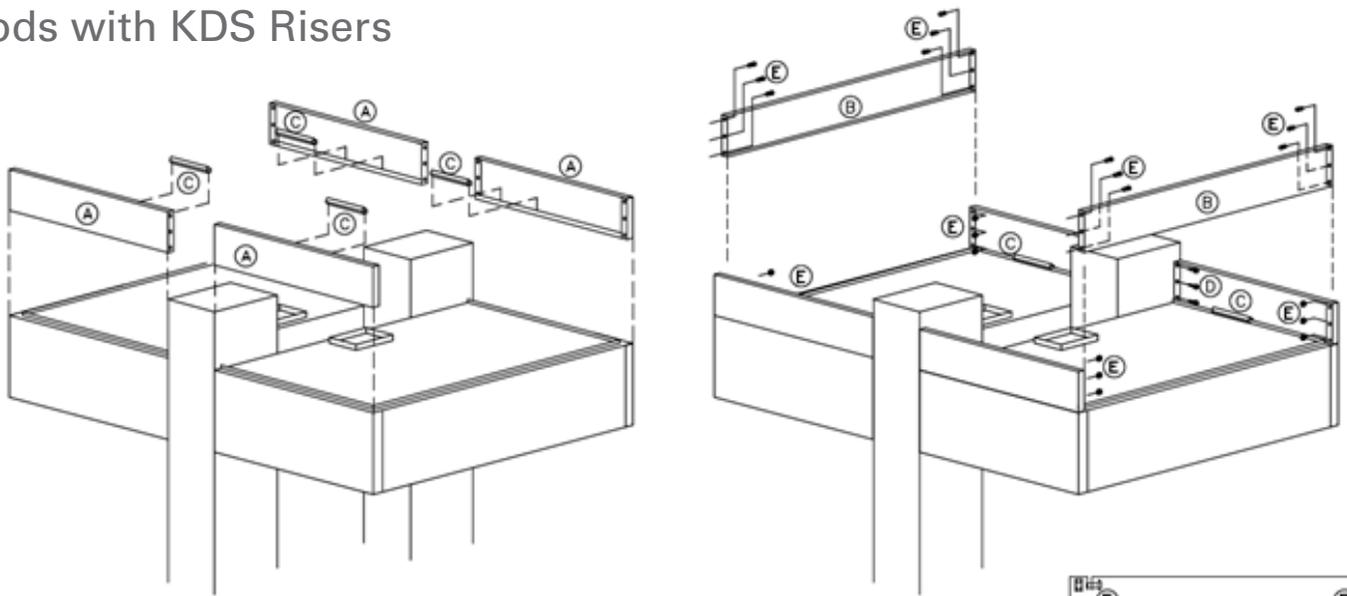
1. Panels "A" are placed on the top of the hood on the outside perimeter of the hood at each end of the hood group.
2. Align the clips "C" over vertical flanges and hammer clips down over flanges.
3. Attach panels front "A" panels to rear "A" panels with hardware "E".
4. Attach panels "B" to panels "A" with hardware "E" .



End to End and Back to Back Hoods

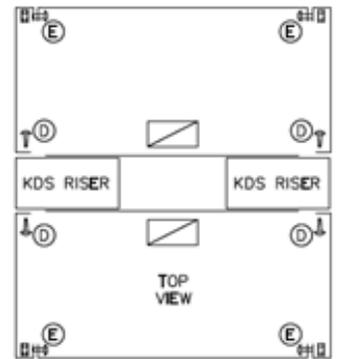
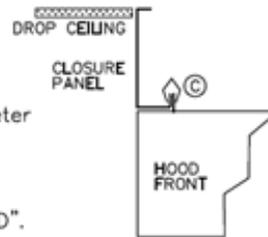


Hoods with KDS Risers



-  Closure Clips (By Halton)
-  KDS Riser Attachment Hardware (By Others)
-  Panel Connection Hardware (By Others)

1. Panels "A" are placed on the top of the hood on the outside perimeter of the hood at each end of the hood group.
2. Align the clips "C" over vertical flanges and hammer clips down over flanges.
3. Attach panels front "A" panels to KDS riser columns with hardware "D".
4. Attach panels "B" to panels "A" with hardware "E" .



Operation of System

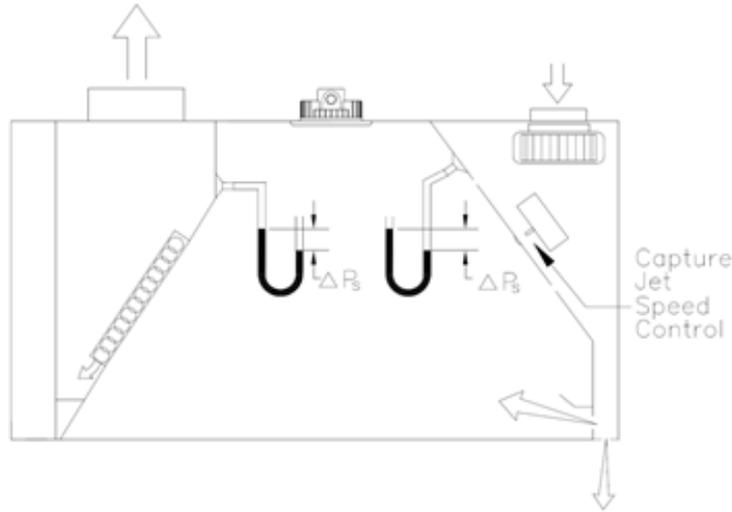
After installation is complete it will be necessary to check and balance the airflows through each hood. The static pressure for each hood is listed in the hood information table on the job specific submittal drawings. The specific exhaust static pressure for each hood should be referenced for the airflow balance for that hood. The exhaust air being drawn through the grease filters creates a negative static pressure behind the filters in the exhaust plenum. This negative static pressure can be measured and has a direct relationship to the total exhaust airflow measured in CFM (Cubic Feet per Minute). Halton Capture Jet hoods are calibrated based on the model of hood and the number of grease filters the hood has. A static pressure curve is provided with each hood which allows the air balancer to easily set up the exhaust fan to draw the correct exhaust CFM through the hood based on measuring the static pressure of the exhaust plenum. On the Capture Jet™ line of hoods, Halton supplies T.A.B. (Testing And Balancing) ports for measuring the negative static pressure drop through the filters and also the positive Capture Jet™ plenum pressure. These ports are located on the inside of the capture portion of the canopy on the exhaust and Capture Jet™ plenums. The T.A.B. port for measuring exhaust static pressure is on the exhaust plenum side of the hood, near the top inside panel and is found near one of the corners above the grease filters. The T.A.B. port for measuring the Capture Jet™ static pressure is found in the inner front of the hood, near the top inside panel and near one of the corners of the inner face. There is a black plastic cap on each of the brass T.A.B. port fittings to keep them clean. The cap should be removed for taking the static pressure measurements and then replaced when the measurements are completed. The exhaust static pressure is measured using the negative connection on the manometer, leaving the positive port of the manometer open to atmosphere. The Capture Jet™ static pressure is measured using the positive connection on the manometer, leaving the negative port of the manometer open to atmosphere. Adjustment to the static pressure of the exhaust plenum is made by adjusting the speed of the exhaust fan. Adjustment to the Capture Jet fan is made inside the inner front of the hood at the Capture Jet speed controller. See procedure below if Capture Jet fan adjustment is necessary.

**It is very important that the fan for the Capture Jet™ air be balanced according to specifications.

See the job specific information for required airflows. The Capture Jet fan is adjusted at the factory for proper airflow. Check the static pressure of the Capture Jet plenum and adjust the Capture Jet fan speed only if the pressure reading is different than the T.A.B. port pressure specified on the job specific submittal drawings (measured reading outside of plus or minus 0.05" w.c.). Adjustments to the Capture Jet™ fan can be made with the speed controller supplied with the fan. This speed controller will be mounted inside the Capture Jet plenum; the adjustment control knob can be accessed by removing the chrome button cover in the center of the Capture Jet fan access cover. The speed controller is adjusted using a small flathead screwdriver, turning the control clockwise to decrease the speed of the Capture Jet fan, and turning the control counterclockwise to increase the speed. Very small movements of the control will result in appreciable static pressure changes to the Capture Jet plenum. Monitor the manometer connected to the T.A.B. port of the Capture Jet plenum as adjustments are made. After each adjustment allow the pressure to stabilize before adjusting further.

2. Halton Capture Jet Hoods are equipped with efficient model KSA grease filters. The KSA grease filters must be removed and cleaned by qualified employees of the restaurant owner or by a cleaning agency. Please see detailed instructions on pg. 19 that describe the removal and replacement process.
3. Exhaust airflows should be properly set for each exhaust hood, and supply or make up air should be brought into the space to balance the exhaust air leaving the space through the hoods. Kitchen exhaust hoods will not perform according to design if supply or make up air is inadequate. After the exhaust and supply airflows have been properly balanced, a final inspection should be made to ensure proper system operation.

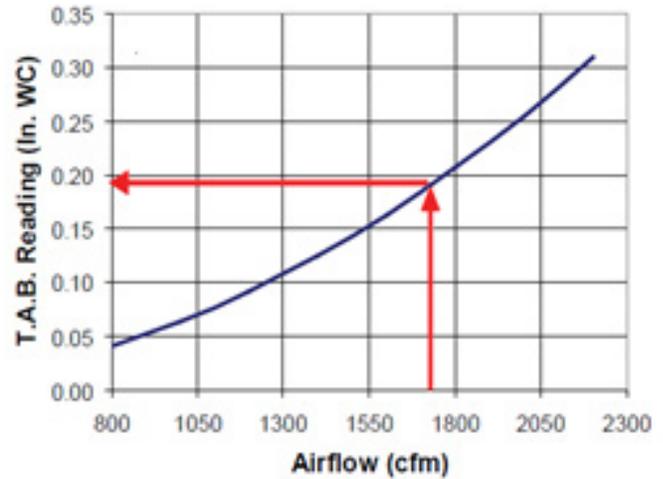
T.A.B.TM - Testing and Balancing Ports



The Capture Jet[®] and exhaust air flows are easily and accurately determined by measuring the pressure difference from the T.A.B. (Testing and Balancing) ports mounted in each plenum. The corresponding air flows can be read from the diagram provided.

To properly measure T.A.B. port readings use a magnehelic gauge or digital manometer and for exhaust plenum reading hookup hose from negative connection on instrument to T.A.B. Port on exhaust plenum. Leave positive connection on instrument open to atmosphere.

Exhaust T.A.B. Readings vs. Airflow



Capture Jet [®] T.A.B. Port Readings	
Hood Model	Design T.A.B. (inches WC)
KVE/KVC	0.25

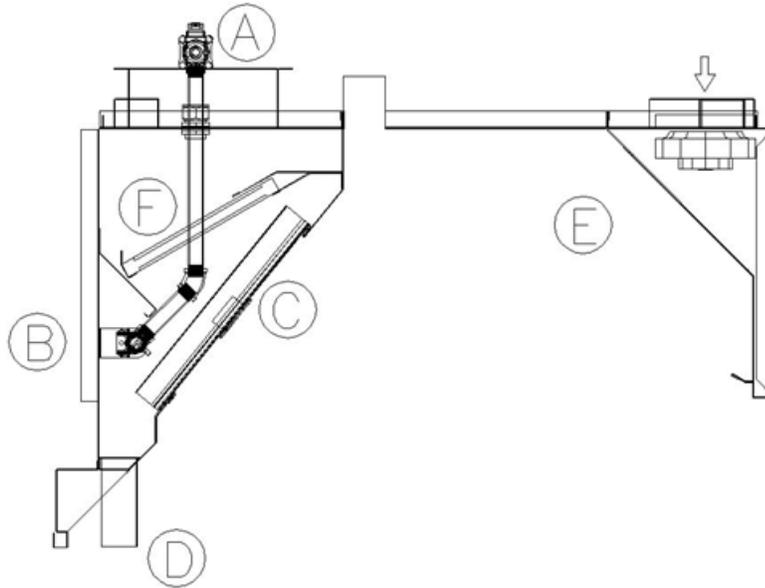
Measured Pressure

This example shows how to determine the correct Exhaust T.A.B. port reading for the exhaust hoods.

In this example, a design airflow of 1700 cfm is selected from the Airflow axis, and a vertical line is drawn up to the T.A.B. pressure curve for this hood.

A horizontal line is then drawn for the T.A.B. pressure curve to the T.A.B. reading axis on the left-hand side of the chart and the corresponding pressure is read off the chart as 0.19 inches of Water Column.

Cross Section of Capture Jet™ Continuous Mist Hood



Item	Description
A	Cold Water Inlet
B	Mist Nozzle Manifold
C	16" KSA w Spark Arrestor
D	Drain Pipe Connection
E	Capture Jet Fan
F	Mesh Filter

Hood Maintenance

⚠ CAUTION

Halton highly recommends that the facility enter into a formal annual maintenance contract with the local Authorized Service Agent. Contact the factory directly if you would like the name and phone number of the local ASA.

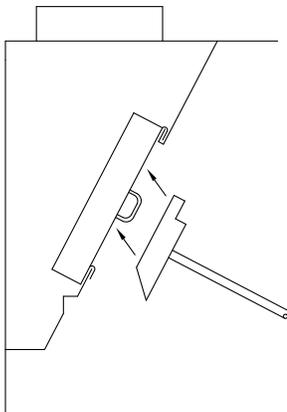
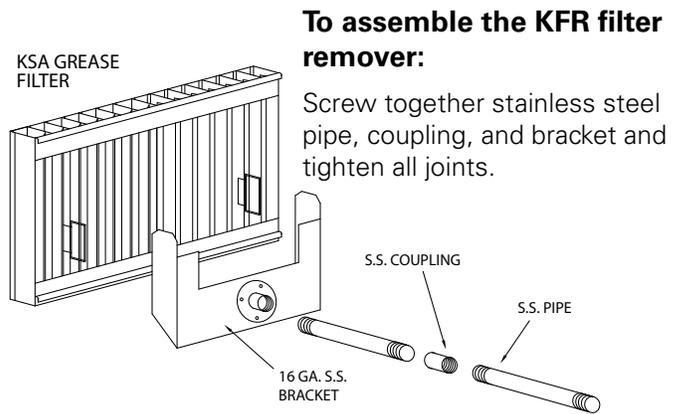
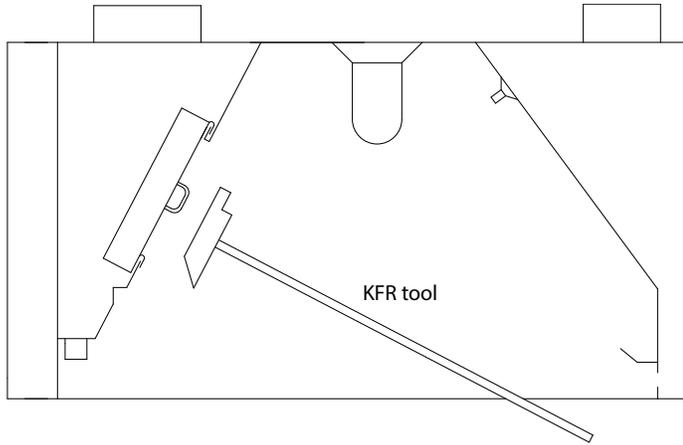
1. Clean the hood canopy inside and out as needed with mild soap and water. Never use harsh or abrasive cleaners on Stainless Steel or Painted surfaces, making sure to wipe clean all interior and exterior surfaces of the hood including the light fixtures.

⚠ WARNING

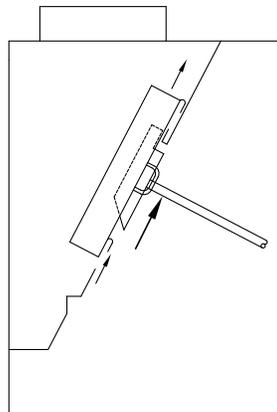
** Never clean the hood canopy when any of the surfaces are hot.

2. The KSA stainless steel filters need to be cleaned regularly. The frequency of cleaning is load dependent. Filters can be soaked in a degreaser overnight and rinsed in the morning before being replaced or they can be run through a commercial dish machine. Please see instructions below that describe the removal of the KSA filter and cleaning process using Halton's KFR .

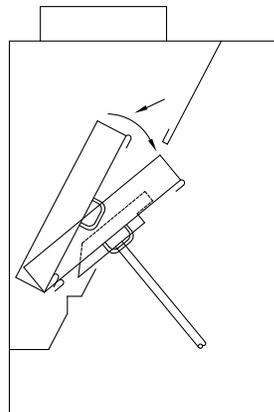
Filter Removal Instructions



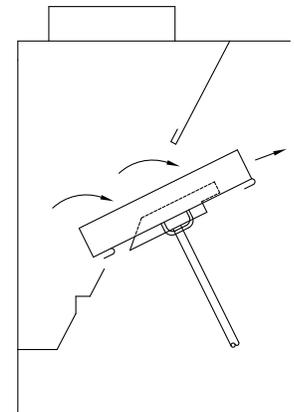
Insert KFR tool



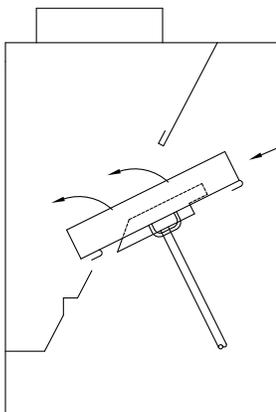
Slide filter up



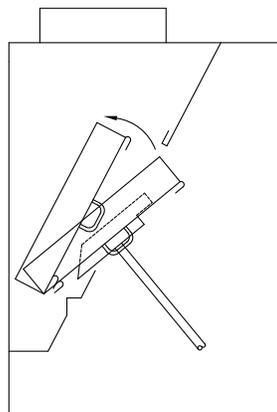
Push filter back and down
Tilt top of filter out



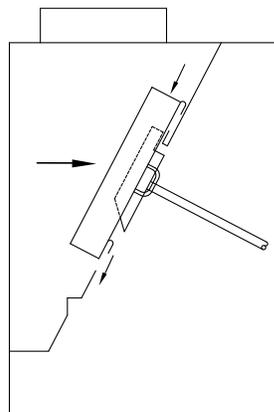
Lift filter out of plenum



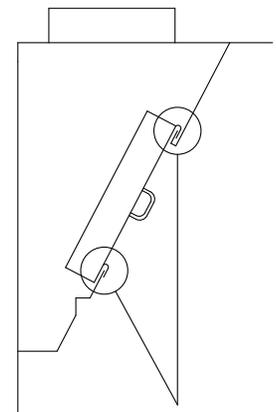
Lift filter into plenum



Push filter in and down
Tilt top of filter in



Lift filter to the front
Slide filter down
Remove KFR tool



It is Important that the
top lip and bottom lip of the
filter are hooked
correctly

To remove filter:

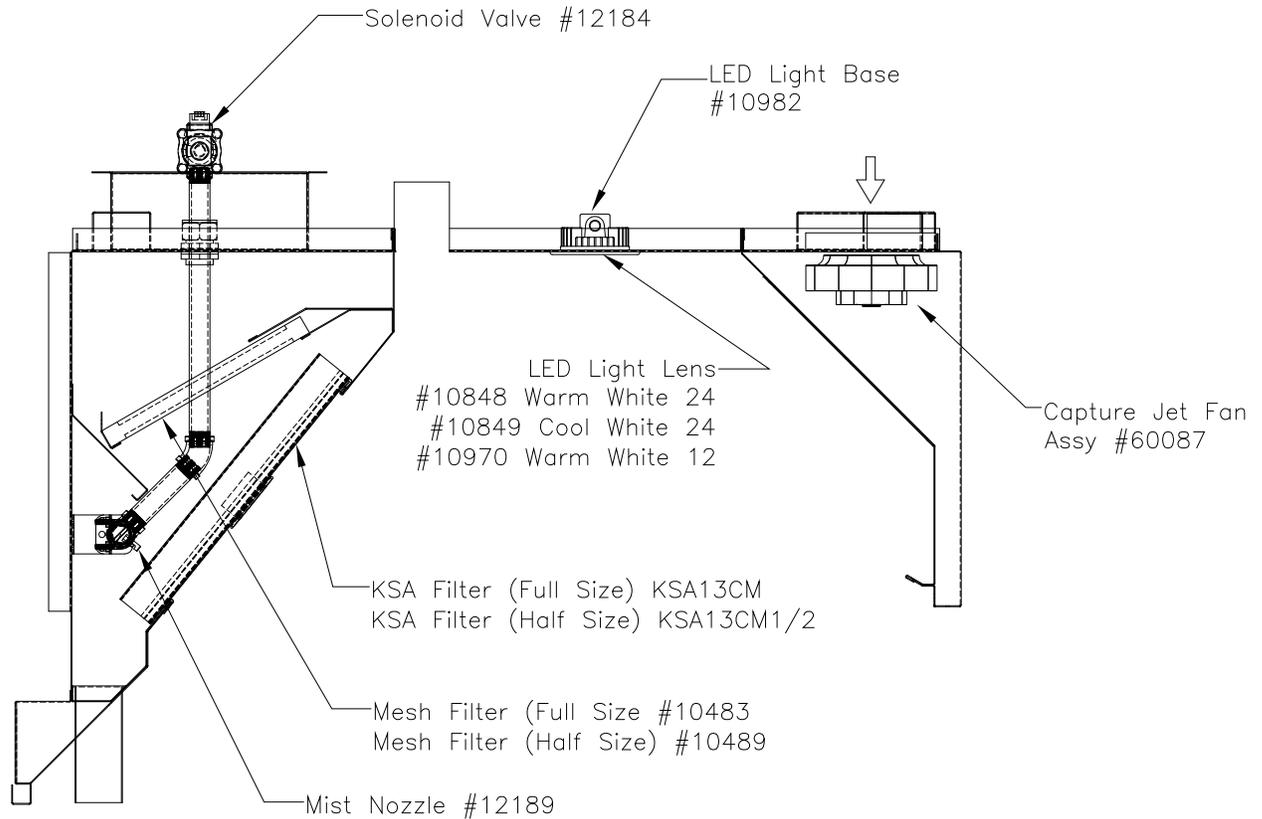
Insert bracket into the inside KSA filter slots, and lift upward until filter slides out of plenum.

To install filter:

Place filter on KFR (filter removal tool) bracket, raise filter into place inside exhaust plenum.

Slide upward until top lip of filter is locked into place and bottom lip of filter slides in place inside the exhaust plenum.

Replacement Parts Schematic



Part Description	Part Number
KVE-CM KSA Filter (Full Size)	KSA13CM
KVE-CM KSA Filter (Half Size)	KSA13CM1/2
Mesh Filter (Full Size)	10483
Mesh Filter (Half Size)	10489
Mist Nozzle	12189
Solenoid Valve, Water Inlet Connection (3/4" NPT)	12194
Capture Jet Fan	10676
Capture Jet Fan Speed Control	11046
Capture Jet Fan Assembly with Speed Control	60087
LED Light Base	10982
LED Light Lens - Warm White 24 LEDs	10848
LED Light Lens - Cool White 24 LEDs	10849
LED Light Lens - Warm White 12 LEDs	10979

Preventative Maintenance

Preventative maintenance is necessary for efficient operation of your Capture Jet™ Continuous Mist hood.

Daily - Clean exhaust hood exterior. See cleaning exterior. Run the hood wash cycle.

Monthly - Inspect filters for grease accumulation and clean if required. Although this is listed as monthly, it may be extended or shortened depending on the type of cooking and hours of operation.

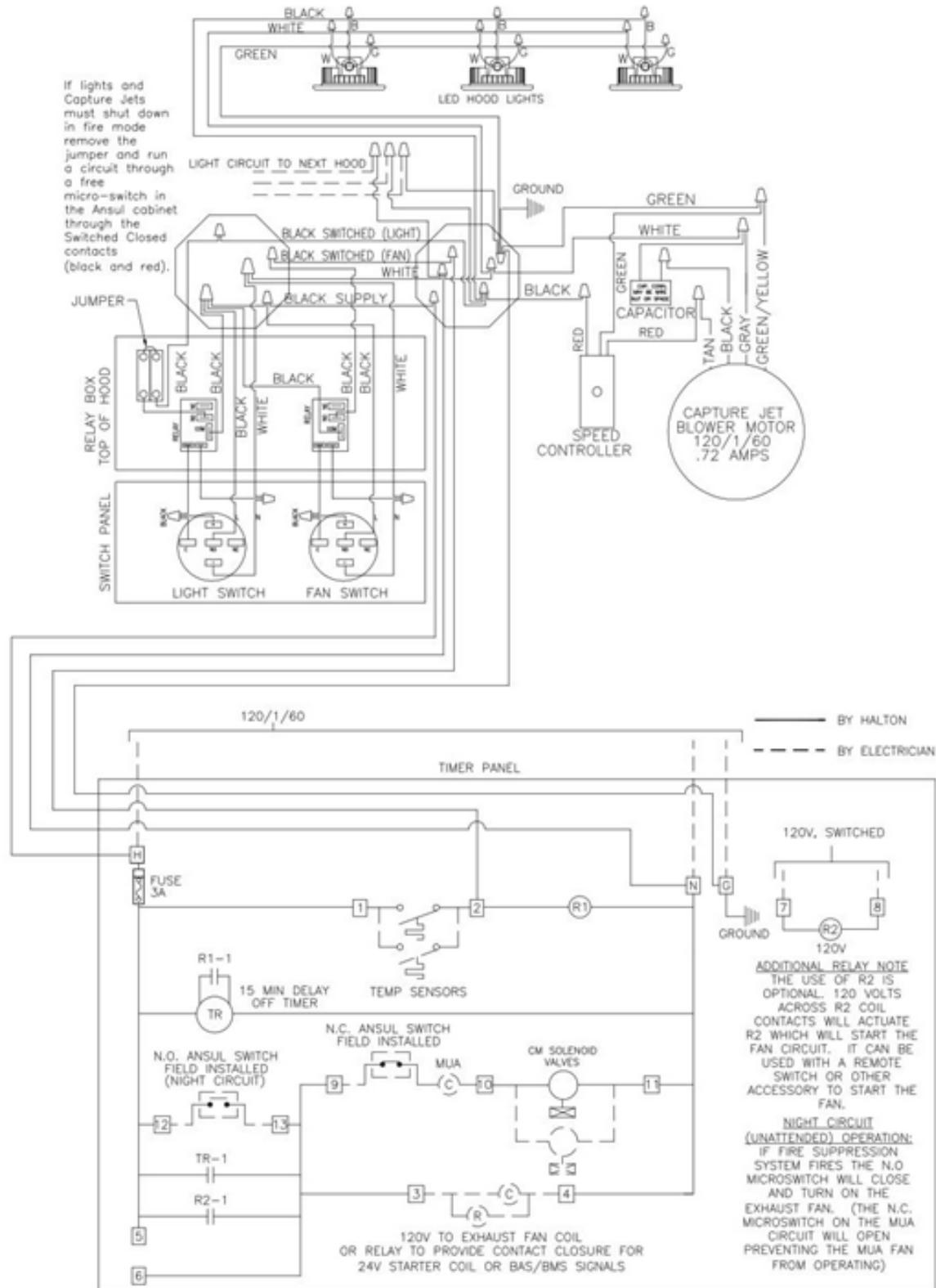
Due to nature of the solid fuel cooking process, **daily** cleaning is recommended for the KSA and Mesh filters. Hard water filters are not specified, ensure nozzle operation is checked at recommended interval. Nozzle operation to be verified during monthly cleaning inspection as required by NFPA 96. A visual inspection of the drain condition should be performed at the same time.

Recommendation to **replace nozzles annually** to ensure optimal performance (replaced as needed if performance issues are noted during monthly inspection).

****NOTE:** operate the fan with the filters removed for visual inspection. This is to be conducted with the appliance removed or not operational.**

Electrical Wiring/Connections

Typical wiring of Capture-Jet fan W/HALTON SUPPLIED SWITCH PANEL



TEMP SENSOR OPERATION:
WHEN ENOUGH HEAT (95°F) TO ACTIVATE SENSOR IS PRESENT, EX FAN AND MUA FAN WILL START AND WILL REMAIN ON FOR 15 MIN AFTER HEAT SENSOR DE-ACTIVATES. FAN SWITCH CAN OVERRIDE HEAT SENSOR "ON" FUNCTION AT ANY TIME. FANS WILL REMAIN ON FOR 15 MIN AFTER EXHAUST FAN SWITCH IS TURNED "OFF".

Warranty Form

This form must be completed and returned to Halton in order for your warranty to be valid.

Job & Location Information:

Job Name: _____

Street Name: _____

City: _____ State: _____ Zip Code: _____

Equipment Start-Up Date: _____ Product Serial Numbers: _____

Contact Information:

Contact Name: _____

Title: _____

Chef, Kitchen Mgr/Facility Mgr/Property Mgr/etc.

Facility Management Company Name (if applicable): _____

Email: _____

Phone Number: _____ Cell Number: _____

Fax completed form to:

Halton Company

Attention: Service Department

Fax: (270) 237-5700

Halton Indoor Climate Systems

Attention: Service Department

Fax: (905) 624-5547

OM-014/042019/rev1/EN

HALTON LIMITED WARRANTY

Halton ("Manufacturer"). Warrants only to its direct purchasers and to no others, that all products manufactured by the Manufacturer shall be free from defect in materials and workmanship for a period of twelve (12) months from the date of the original installation and start-up or eighteen (18) months from date of shipment, whichever occurs first. All products sold but not manufactured by Manufacturer will be warranted for a period of twelve (12) months from date of shipment.

For products manufactured by the Manufacturer we agree to pay any reasonable labor costs necessary to repair or replace, at Manufacturers option, defective parts or materials for a period of twelve (12) months from date of original installation and start-up or eighteen (18) months from date of shipment, whichever occurs first. All labor costs subject hereto shall be performed during standard work hours at straight-time rates.

For products sold but not manufactured by the Manufacturer we agree to pay any reasonable labor costs necessary to repair or replace, at Manufacturers option, defective parts or materials for a period of (90) days from date of original installation and start-up or (12) months from date of shipment, whichever occurs first. All labor costs subject hereto shall be performed during standard work hours at straight time rates.

All warranty claims that include labor requires pre-approval by Halton. Halton, at its discretion, will authorize field warranty work through its own service network or certified third party. No claims for labor charges will be approved for payment if work commences without prior authorization by Halton.

Purchaser shall pay incurred premium labor charge, including overtime, weekends and holidays. Travel time, service charges, miscellaneous tools, material charges, and labor charges resulting from inaccessibility of equipment will not be paid by Manufacturer.

This LIMITED WARRANTY SHALL APPLY ONLY to products that have been installed and maintained in accordance with the installation and Care Instruction Manuals. Purchaser shall be solely responsible for adhering to the instructions and procedures set forth in the said instruction manuals.

This LIMITED WARRANTY SHALL NOT BE APPLICABLE to any damage or defect resulting from fire, flood, freezing or any Act of God, abuse, misuse, accident, neglect or failure to adhere to all instructions set forth in the installation and Care Instruction Manuals. Furthermore, this limited warranty shall not apply to any product that has been altered, unless such alteration has been approved in writing by a duly authorized representative of the manufacturer. In no event shall the manufacturer be liable for any loss, expense, personal injury or consequential damage, of any kind or character, as may result from a defect in material, and/or workmanship, however caused.

EXCEPT AS IS EXPRESSLY SET FORTH IN THIS LIMITED WARRANTY, MANUFACTURER MAKES NO WARRANTY OF MARKETABILITY FOR FITNESS OR ANY PARTICULAR PURPOSE. NEITHER DOES MANUFACTURER MAKE ANY WARRANTY, EXPRESSED OR IMPLIED, WITH RESPECT TO PRODUCTS SOLD BY MANUFACTURER OR AS TO THE USE THEREOF.

Continuous product improvement is a Halton policy, therefore specifications and design are subject to change without notice.

Halton Company

101 Industrial Drive, Scottsville, KY 42164, USA
Phone 270 237 5600 | Fax 270 237 5700
Website: www.halton.com

Halton Indoor Climate Systems, Ltd.

1021 Brevik Place, Mississauga, ON L4W 3R7, Canada
Phone 905 624 0301 | Fax 905 624 0301

