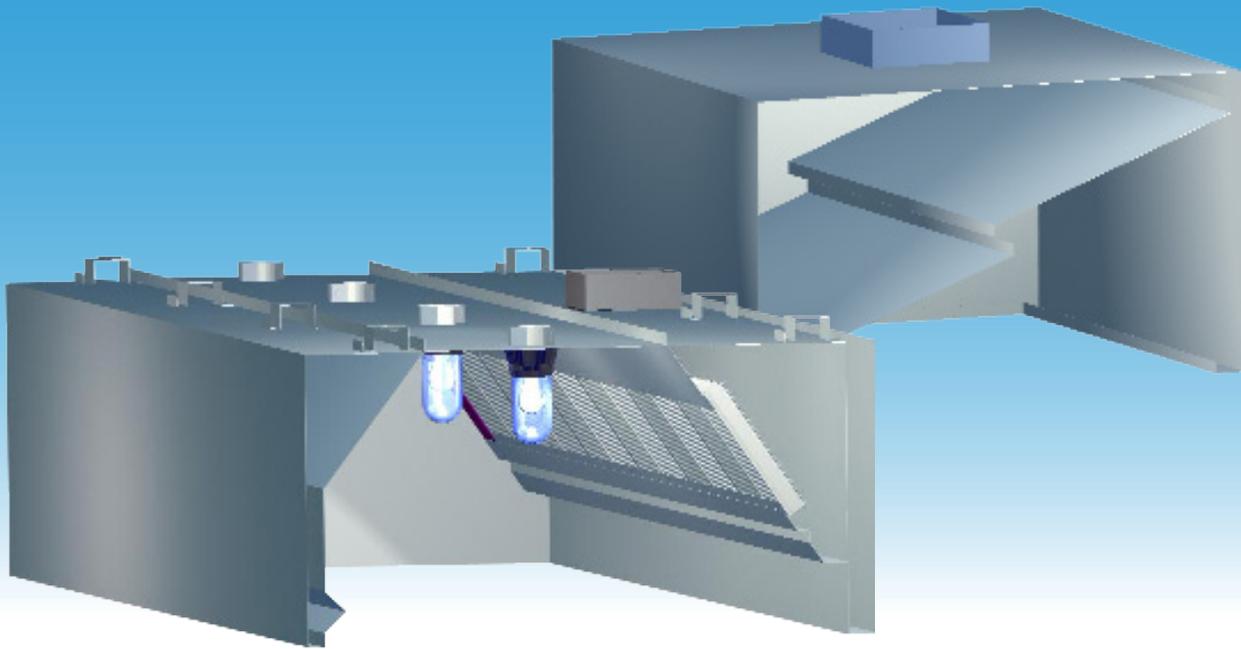


# Operators Manual EO, DW & CH

Manual provides  
Installation, Operation, and Maintenance Instructions



Models:  
EO, DW and CH

**Halton**

## General Description

All Halton hood systems provide solutions for a variety of commercial foodservice ventilation applications over virtually any cooking process. 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 our offices or local representatives are available at any time to provide additional technical support for products, applications, installation, commissioning or in any aspect that you may have.

The Halton model EO and DW hoods are Type 1 hoods that may be used over appliances cooking protein. The CH hood is a Type 2 hood used to capture condensate and heat. The CH hood may not be used over appliances cooking protein, nor may the exhaust systems of Type 1 and Type 2 hoods be connected together. A Type 1 hood may be installed over an appliance that allows a Type 2 hood however. In this instance all Type 1 hood exhaust systems may be connected. When a Type 1 hood is used over a Type 2 appliance all requirements of a Type 1 hood must be followed.

## 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. (NFPA-96 does not address Type 2 hoods. Please see International Mechanical Code (IMC) or local codes for requirements for Type 2 hoods.) 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

Because the listed exhaust airflow rates were established under controlled laboratory conditions, please see submittal drawings or contact the manufacturer for exhaust air flow rates.

## 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.

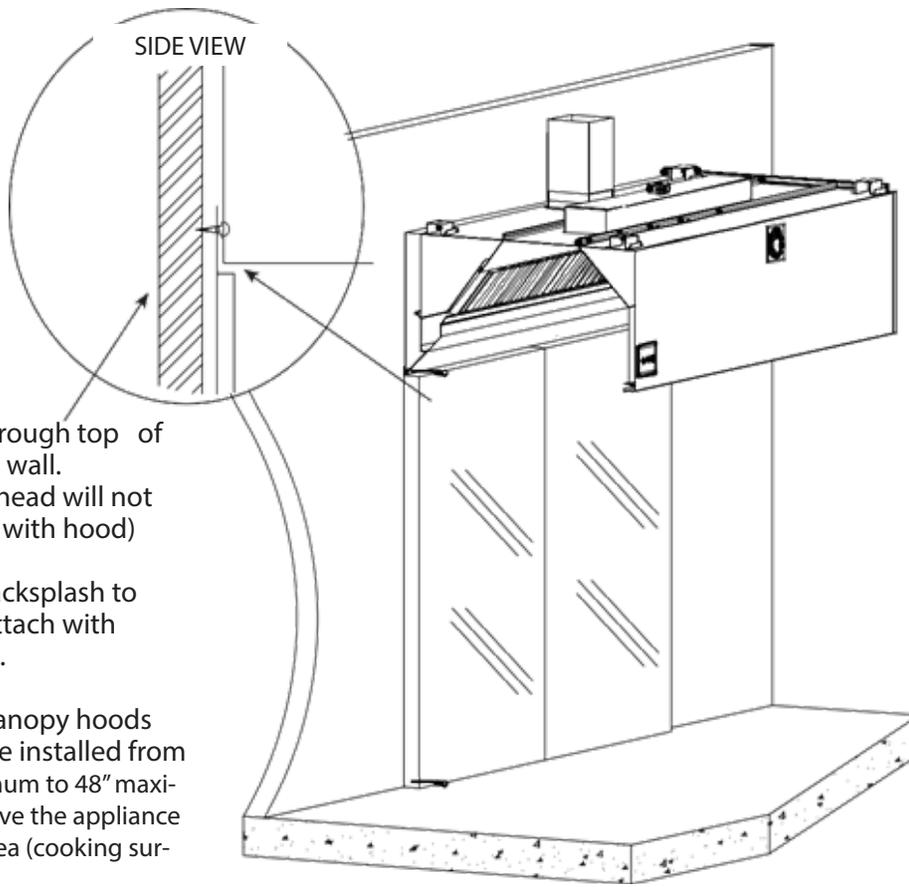
3. Once the hood is carefully removed from the shipping crate and set in position, the unit is now ready for installation. If Halton Company has supplied a backsplash assembly, then the splash assembly should be installed first, for installation procedures. (See pg. 5)
4. Hang the hood using  $\frac{1}{2}$ " threaded rods by attaching the rods to the hood through the hanger brackets that are attached to the top of the hood. Use of turnbuckles will make final adjustment easier. UL Listed hanging height for Halton EO and DW canopy hoods are from 42" minimum to 48" maximum from the lower front edge of the hood to the appliance hazard area (cooking surface) (per local codes having jurisdiction). \*\*Noted in installation instructions - (see pg. 6).  
CH hoods are not UL listed hoods and there are no minimum and maximum mounting height requirements. Be sure the structure of the hood or the baffles do not interfere with the opening of the dishwasher door or other access points.
5. If Closure Panels are supplied by Halton (see pg. 9) for details on the installation.
6. For multiple hoods end to end, or back to back (see pg. 8) for Installation of Splice Strips and U-Channels.
7. For hoods equipped with a supply fire damper, it is very important to make sure that the fire damper is set in an open position before connecting the supply duct.
8. Electrical circuits should be connected according to standard switch panel wiring diagram, shown on (pg. 10).
9. Protect the hood from damage under normal job site conditions, until all work is complete and system is ready to be put into operation.

## Hood Maintenance

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.
  - \*\* Never clean the hood canopy when any of the surfaces are hot.
  - \*\* When cleaning the area of the hood's product label take special care to not remove the information on the label with the cleaning process.
2. Clean the filters and grease cup(s) daily, first washing by hand, and then placing them into a dishwasher or by steam cleaning.
  - \*\* Handle the Grease filters carefully \*\*

The CH hood will not have grease filters but may be equipped with baffles to control condensate or a mesh filter to prevent objects from entering the exhaust duct. The interior of the CH hood may be cleaned as described above. The mesh filter may be rinsed in a sink or run through a dishwasher.

## 1" Insulated Backsplash Assembly

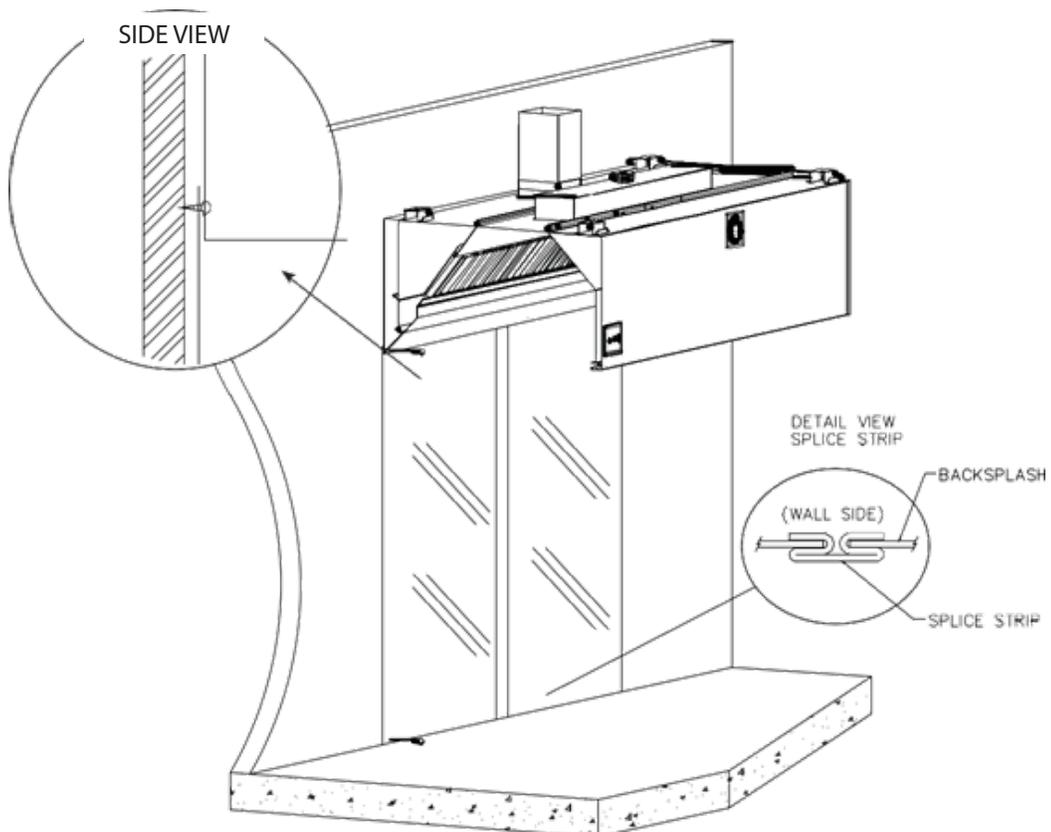


Screw through top of flange to wall.  
\*(screw head will not interfere with hood)

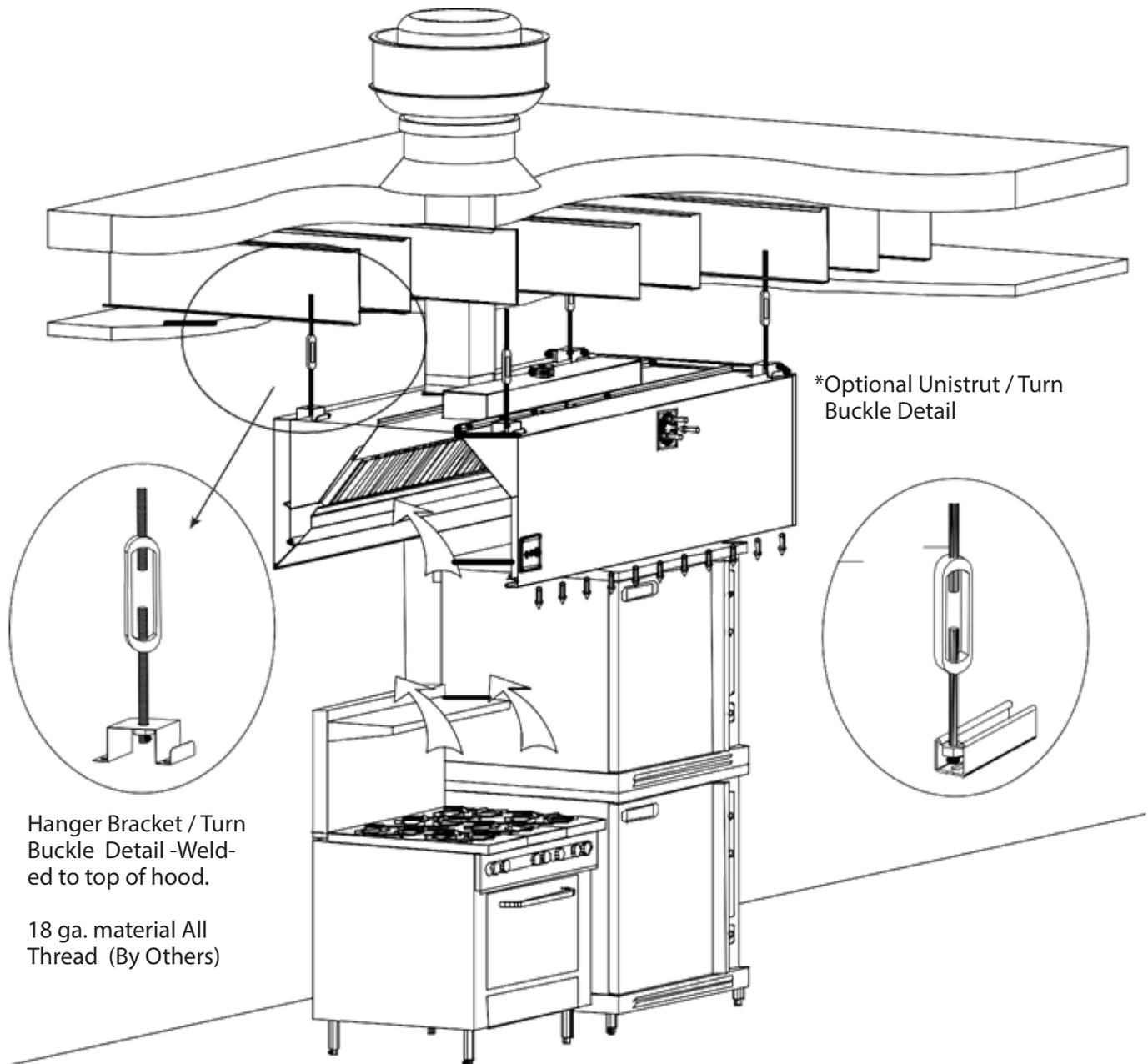
Screw backsplash to wall or attach with adhesive.

Halton canopy hoods should be installed from 42" minimum to 48" maximum above the appliance hazard area (cooking surface).

## Flat Sheet Backsplash Assembly



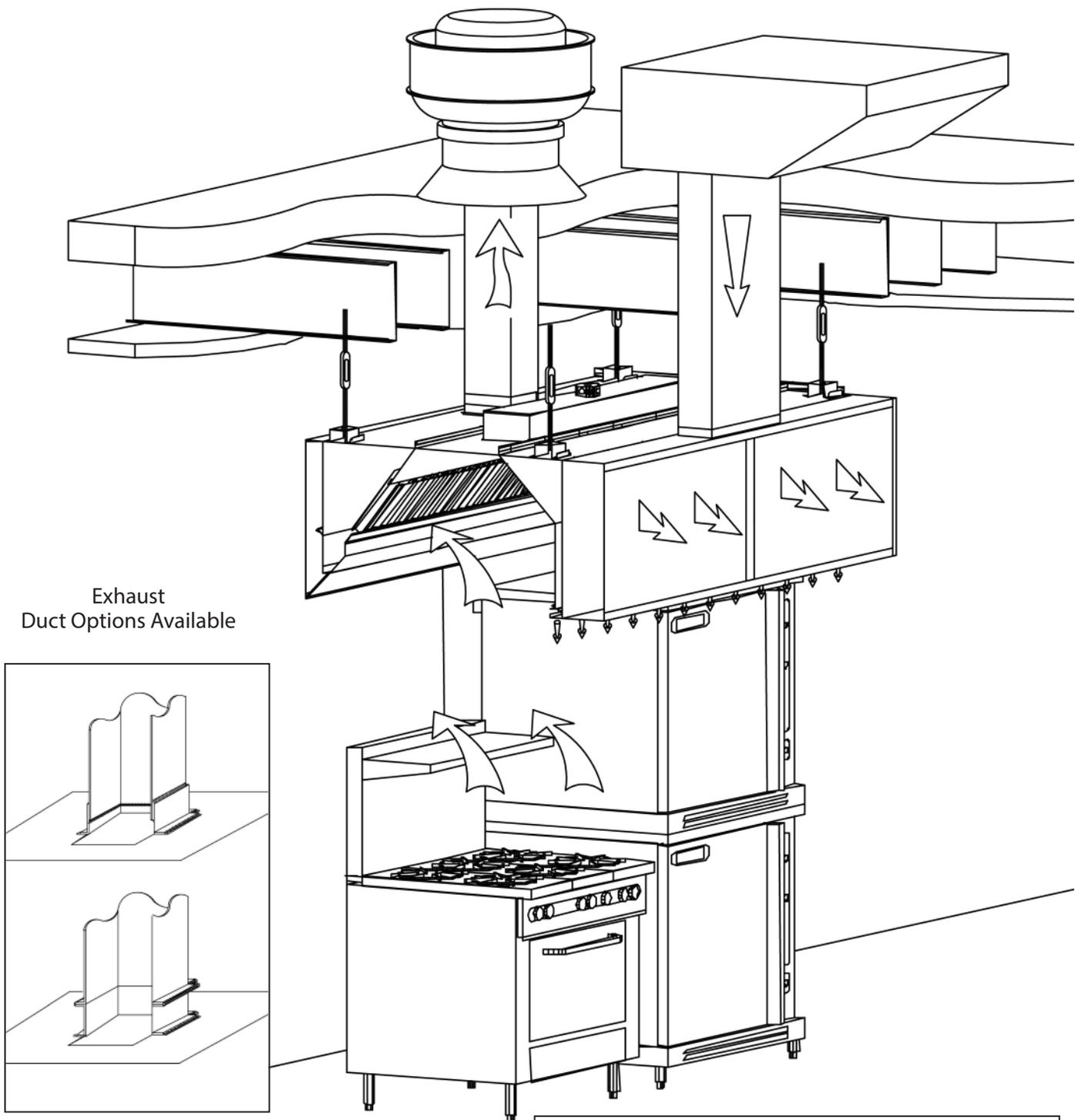
## Typical Hood Installation Details



Hang the hood using 1/2" threaded rods by attaching the rods to the hood through the hanger brackets (as shown) which are welded to the top of the hood, using the turnbuckles will make final adjustments easier. Hanging height of Canopy hoods should be per local building codes, verify with "Authority Having Jurisdiction" for hanging height in your project location.

Standard hanging height is 42" minimum to 48" maximum from the lower front edge of the hood to the appliance hazard area (cooking surface).

## Recommended Exhaust Duct Installation Details

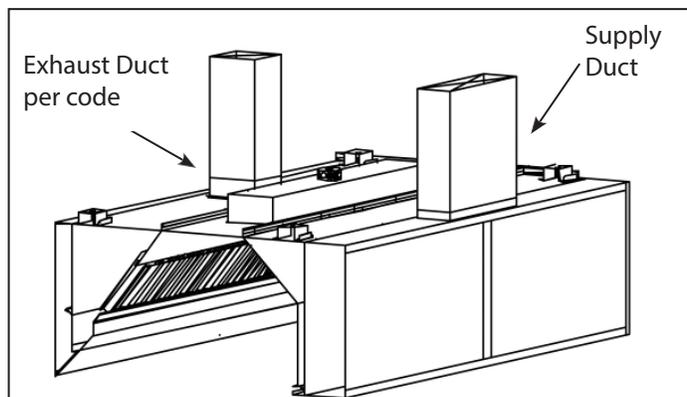


Exhaust  
Duct Options Available

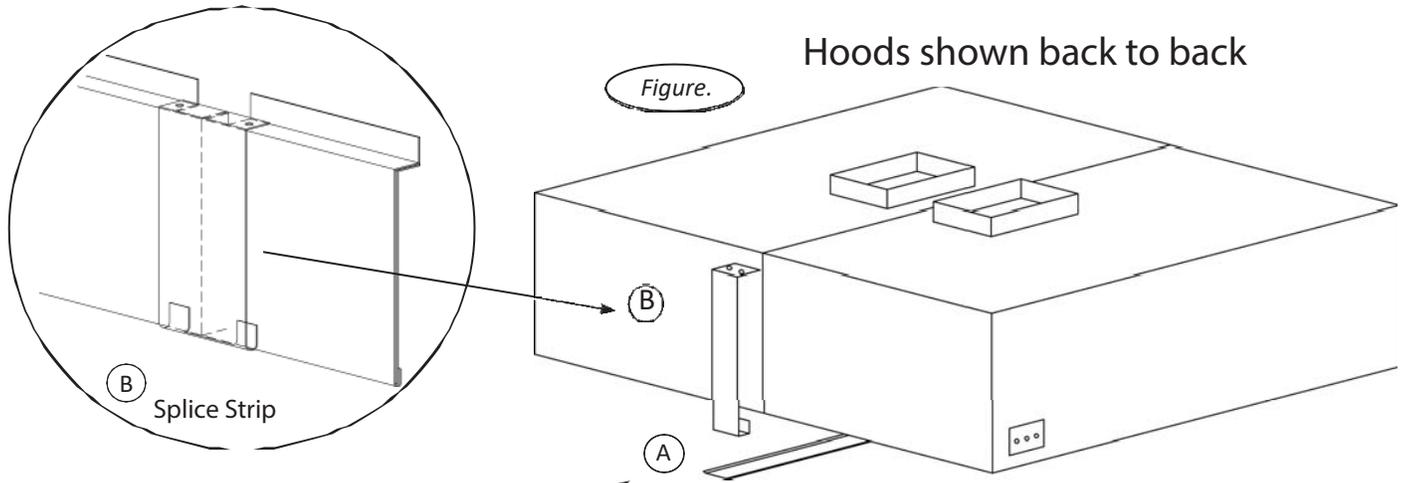
### Supply Duct

Supply Duct may be attached to supply collar with sheet metal screws or pop rivets and sealed with duct tape.

Screws or Rivets are not to interfere with the operation of the fire damper (if equipped).

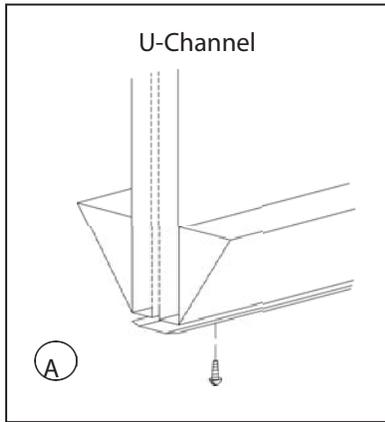


## Splice Strip / U-Channel Assemblies



Hoods shown back to back

Figure.



### Installation Notes:

#### U-Channel:

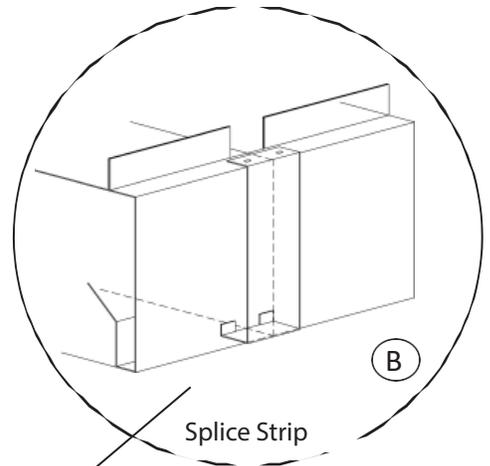
For hood models that are placed back to back (as shown in Fig. 1): Slide the U-Channel A up over the back of the hood systems, and secure with sheet metal screws.

For hood models that are placed end to end (as shown in Fig. 2): Pry apart the U-Channel at one end and slide over the end panels, fastening in place, fitting around the perimeter of the hood

#### Splice Strip:

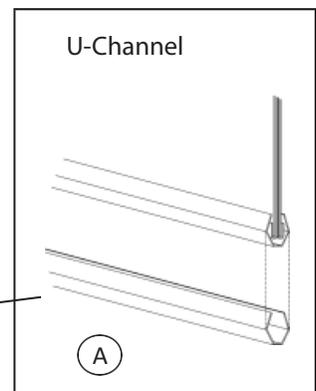
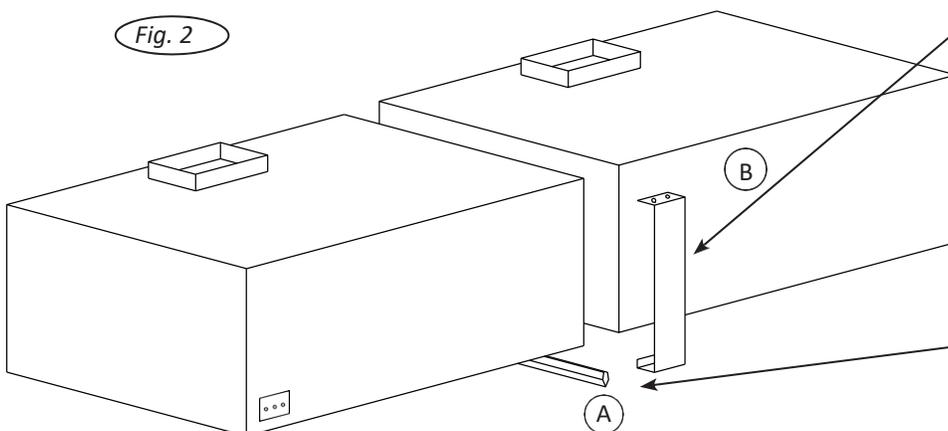
For hoods placed back to back: Slide Splice Strip B over bottom of hoods first, then over top, secure by welding together.

For hoods placed end to end: Slide over bottom front edge first then over top, secure by welding together, or as an option using screws for models with supply plenum.

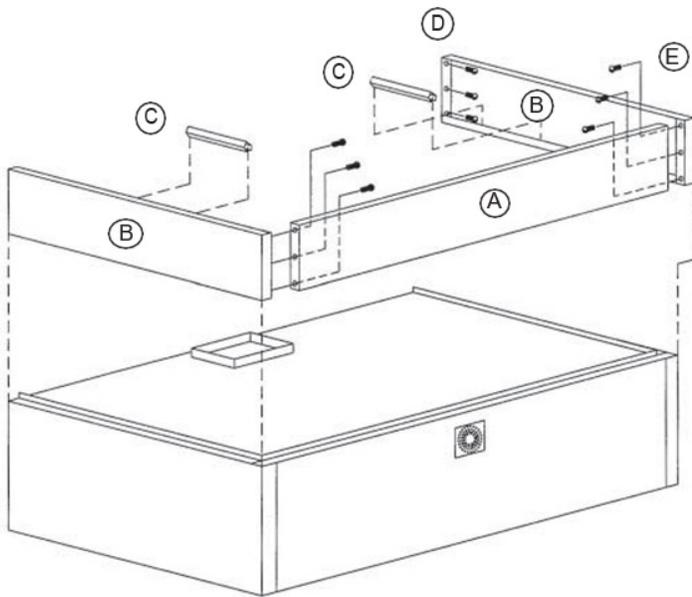


Hoods shown end to end

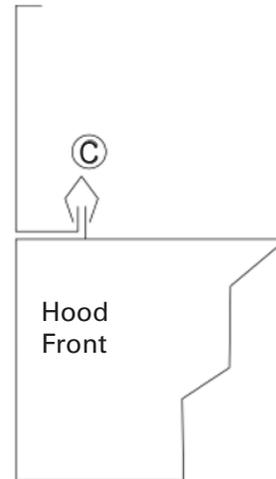
Fig. 2



## Closure Panel Assembly

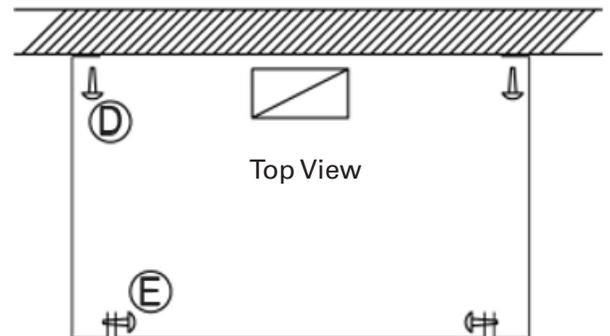


Closure Panel

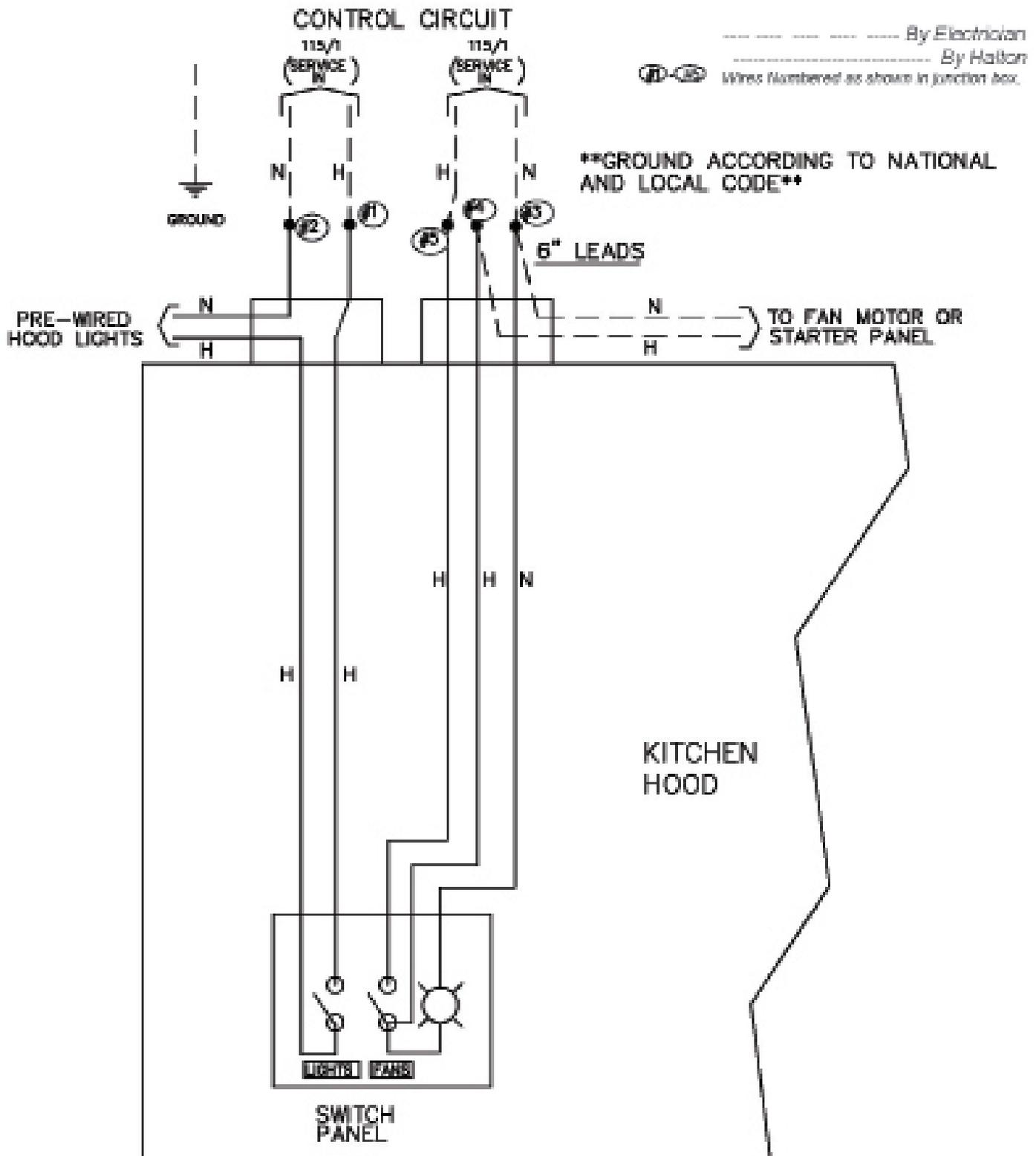


### Installation Notes:

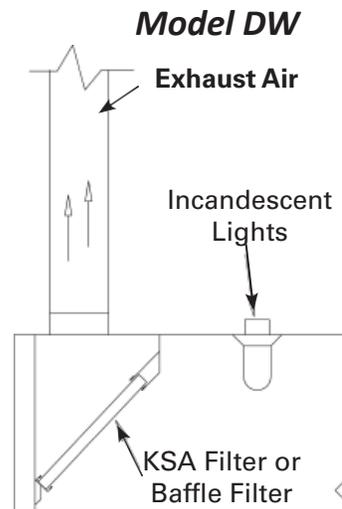
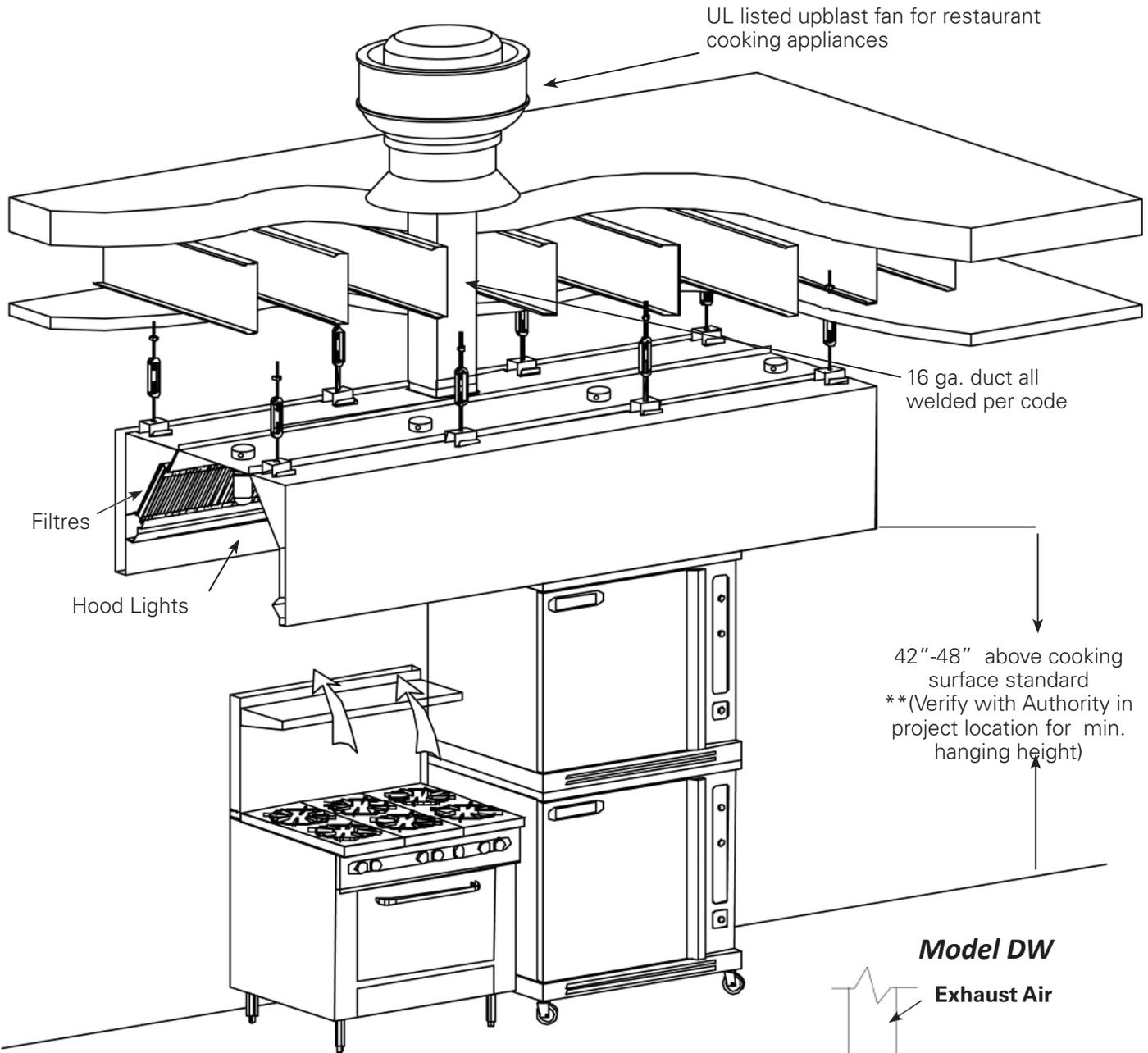
1. Panels "A" and "B" are to set on top of the hood perimeter.  
\*Vertical flange at the bottom of closure panel and vertical flange on top of hood should line up.
2. Hammer clips "C" over the two vertical flanges.
3. Attach panels "B" to wall using appropriate hardware "D".
4. Slide front panel "A" into place.
5. Attach panels "A" and "B" together using hardware "E"  
\*(Hardware not provided by Halton)



# Standard Switch Panel Wiring

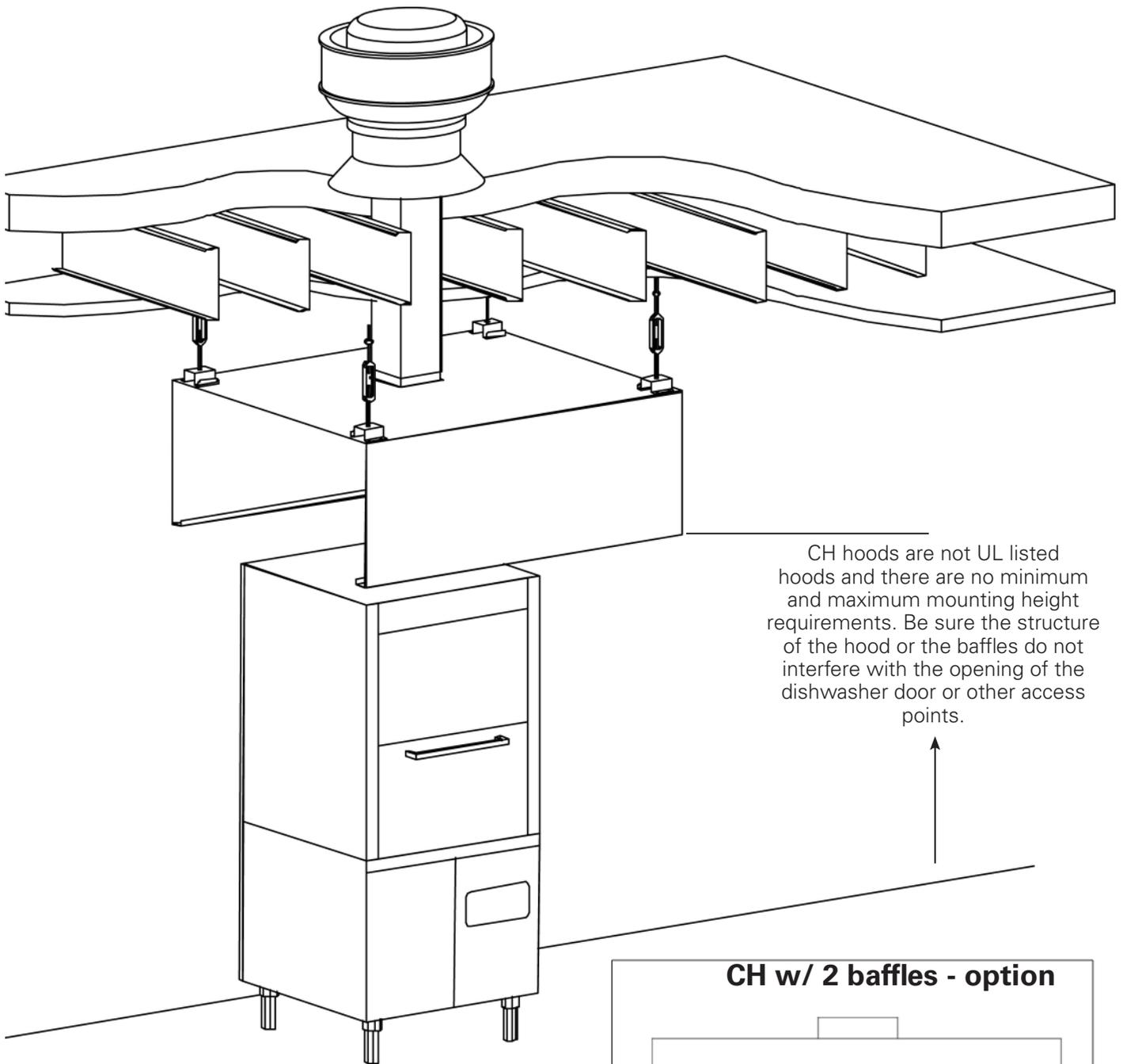


# Model EO and DW Typical Installation

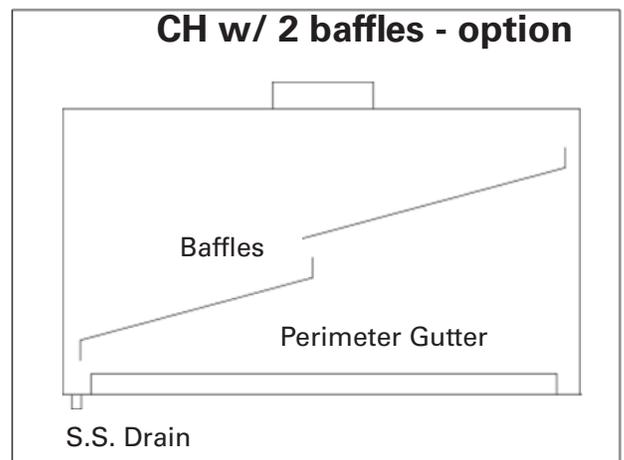


# Model CH

## Typical Installation



CH hoods are not UL listed hoods and there are no minimum and maximum mounting height requirements. Be sure the structure of the hood or the baffles do not interfere with the opening of the dishwasher door or other access points.



# 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-0077042021/rev2/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.

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## Halton Company

101 Industrial Drive, Scottsville, KY 42164, USA  
Phone 270 237 5600 | Fax 270 237 5700  
Website: [www.halton.com](http://www.halton.com)

## Halton Indoor Climate Systems, Ltd.

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

The Halton logo consists of the word "Halton" in a bold, blue, sans-serif font. The letter 'H' is significantly larger and more prominent than the other letters, which are smaller and more closely spaced together.