DuraTech® Canada DTC

Factory-built CHIMNEY
5", 6", 7", 8" & 10" dia.
TYPE HT

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INSTALLATION AND OPERATION INSTRUCTIONS

WARNING
A MAJOR CAUSE OF CHIMNEY-RELATED FIRES IS FAILURE TO MAINTAIN REQUIRED CLEARANCES (AIR SPACES) TO COMBUSTIBLE MATERIALS. IT IS OF UTMOST IMPORTANCE THAT THIS CHIMNEY BE INSTALLED ONLY IN ACCORDANCE WITH THESE INSTRUCTIONS.

Read these instructions and keep them for future reference

These instructions must be followed in all details. Failure to do so may result in a hazardous installation.

Listed: ETL 4002244
Standard: UL-103 TYPE HT
CAN / ULC-604
CAN / ULC-629
(6", 7", 8" only)

C ETL LISTED US
Intertek

NATIONAL FIREPLACE INSTITUTE NFI CERTIFIED www.nficertified.org
We recommend that our woodburning hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Woodburning Specialists or who are certified in Canada by Wood Energy Technical Training (WETT).
Wood Energy Technical Training www.wetti.ca

duravent™

877 Cotting Court, Vacaville, CA 95688 800-835-4429; www.DuraVent.com

PIDURATECHCANADA L874 REV.9 MAY/29/2026

LISTING LABELS AND WARNING LABEL

DTC - 6", 7", 8"



CERTIFIED TO / CERTIFIÉ
UL-103 TYPE HT, CAN/ULC 629, CAN/ULC 604

Intertek 4002244

FACTORY-BUILT CHIMNEY

REFER TO INTERTEK'S DIRECTORY OF BUILDING PRODUCTS (https://bpdirectory.intertek.com) FOR DETAILED INFORMATION.

MINIMUM CLEARANCE TO COMBUSTIBLES:
2 IN. (50mm) AIR SPACE TO COMBUSTIBLE MATERIALS AND BUILDING INSULATION OR AS ESTABLISHED BY FACTORY FURNISHED FIRESTOP SPACERS AND SUPPORT ASSEMBLY

SUITABLE FOR INTERIOR OR EXTERIOR INSTALLATION

THIS CHIMNEY IS TO BE INSTALLED IN ACCORDANCE WITH DURAVENT INC.'S INSTALLATION INSTRUCTIONS.

CANADIAN APPLICATION:

- **CERTIFIED TO CAN/ULC 629** FOR CONNECTION TO **SOLID, LIQUID OR GAS FIRED** APPLIANCES NORMALLY PRODUCING FLUE GASES OF **650°C (1200°F) OR LESS**.

NOTE: ON WOOD/COAL BURNING APPLIANCE INSTALLATION, PREMIUM SHIELDS ARE REQUIRED AROUND THE CHIMNEY FOR INTERIOR COMPLETELY ENCLOSED INSTALLATION, EXCEPT ON LISTED FACTORY BUILT FIREPLACES WHEN IT IS CERTIFIED WITH IT AND IDENTIFIED AS SUCH ON THE FIREPLACE LABEL.

- **CERTIFIED TO CAN/ULC 604** FOR CONNECTION TO **LIQUID OR GAS FIRED** APPLIANCES NORMALLY PRODUCING FLUE GASES OF **540°C (1004°F) OR LESS**

USA APPLICATION:
- **CERTIFIED TO UL 103 TYPE HT** RESIDENTIAL TYPE AND BUILDING HEATING APPLIANCE CHIMNEY PART.

CHEMINÉE PRÉFABRIQUÉE

SE RÉFÉRER AU RÉPERTOIRE D'INTERTEK (https://bpdirectory.intertek.com) POUR PLUS D'INFORMATION.

ESPACE LIBRE MINIMAL AUX MATÉRIAUX COMBUSTIBLES:
ESPACE LIBRE DE **2 PO. (50mm)** AUX MATIÈRES COMBUSTIBLES ET À L'ISOLATION DE LA BÂTISSE OU TEL QU'ÉTABLI PAR LES COUPE-FEU ET SUPPORTS FOURNIS PAR LE FABRICANT.

CONVIENT À UNE UTILISATION À L'EXTÉRIEUR OU À L'INTÉRIEUR

CETTE CHEMINÉE DOIT ÊTRE INSTALLÉE CONFORMÉMENT AUX MANUEL D'INSTALLATION DE DURAVENT INC..

APPLICATION CANADIENNE:

- **CERTIFIÉ CAN/ULC 629** POUR RACCORDEMENT AUX APPAREILS UTILISANT DES **COMBUSTIBLES SOLIDES, LIQUIDES OU GAZEUX** DÉGAGEANT NORMALEMENT **650°C (1200°F) OU MOINS**.

NOTE: LE RACCORDEMENT SUR UN APPAREIL À COMBUSTIBLES SOLIDES REQUIERT L'UTILISATION DES COMPOSANTES COUPE RADIATION PREMIUM AUTOUR DE LA CHEMINÉE SI LA CHEMINÉE EST INSTALLÉ À L'INTÉRIEURE, COMPLÈTEMENT ENCLOISONNÉ. SAUF DANS LE CAS D'UN FOYER PRÉFABRIQUÉ HOMOLOGUÉ AVEC CE CONDUIT ET IDENTIFIÉ COMME TEL SUR SON ÉTIQUETTE D'HOMOLOGATION.

- **CERTIFIÉ CAN/ULC 604** POUR RACCORDEMENT AUX APPAREILS UTILISANT DES **COMBUSTIBLES LIQUIDES OU GAZEUX** DÉGAGEANT NORMALEMENT **540°C (1004°F) OU MOINS**.

APPLICATION AMÉRICAINE:
- **CERTIFIÉ UL 103 TYPE HT** PIÈCE DE CHEMINÉE POUR APPAREIL DE CHAUFFAGE RÉSIDENTIEL ET COMMERCIAL.

UP HAUT
FLOW DIRECTION ÉCOULEMENT

MODEL - **DTC 6", 7", 8"** - MODÈLE
ENGLISH DESCRIPTION xxxxxxxxxxxxx
FRENCH DESCRIPTION xxxxxxxxxxxxx
PRODUCT CODEXXXXXX
smart code xxxxxxx

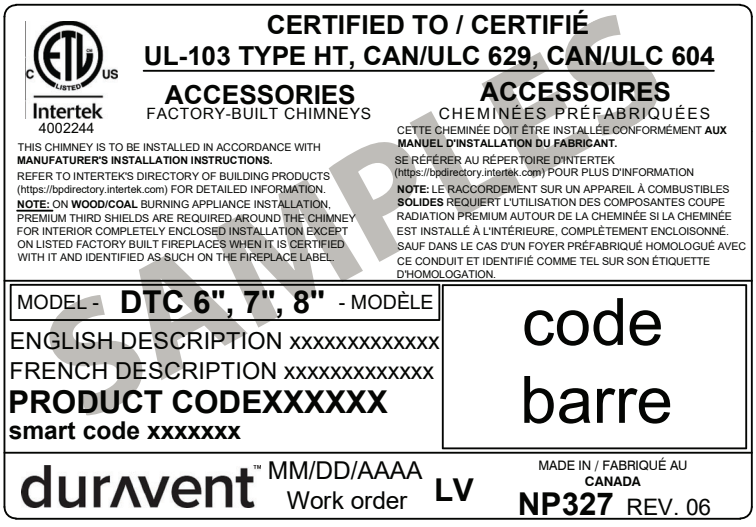
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duravent™ MM/DD/AAAA Work order **LV**

MADE IN / FABRIQUÉ AU **CANADA**
NP326 REV. 07

SAMPLES

DTC - 6", 7", 8" Accessory



CERTIFIED TO / CERTIFIÉ
UL-103 TYPE HT, CAN/ULC 629, CAN/ULC 604

Intertek 4002244

ACCESSORIES
FACTORY-BUILT CHIMNEYS

THIS CHIMNEY IS TO BE INSTALLED IN ACCORDANCE WITH **MANUFATURER'S INSTALLATION INSTRUCTIONS.**
REFER TO INTERTEK'S DIRECTORY OF BUILDING PRODUCTS (https://bpdirectory.intertek.com) FOR DETAILED INFORMATION.
NOTE: ON **WOOD/COAL** BURNING APPLIANCE INSTALLATION, PREMIUM THIRD SHIELDS ARE REQUIRED AROUND THE CHIMNEY FOR INTERIOR COMPLETELY ENCLOSED INSTALLATION EXCEPT ON LISTED FACTORY BUILT FIREPLACES WHEN IT IS CERTIFIED WITH IT AND IDENTIFIED AS SUCH ON THE FIREPLACE LABEL.

ACCESSOIRES
CHEMINÉES PRÉFABRIQUÉES

CETTE CHEMINÉE DOIT ÊTRE INSTALLÉE CONFORMÉMENT **AUX MANUEL D'INSTALLATION DU FABRICANT.**
SE RÉFÉRER AU RÉPERTOIRE D'INTERTEK (https://bpdirectory.intertek.com) POUR PLUS D'INFORMATION
NOTE: LE RACCORDEMENT SUR UN APPAREIL À COMBUSTIBLES **SOLIDES** REQUIERT L'UTILISATION DES COMPOSANTES COUPE RADIATION PREMIUM AUTOUR DE LA CHEMINÉE SI LA CHEMINÉE EST INSTALLÉ À L'INTÉRIEURE, COMPLÈTEMENT ENCLOISONNÉ. SAUF DANS LE CAS D'UN FOYER PRÉFABRIQUÉ HOMOLOGUÉ AVEC CE CONDUIT ET IDENTIFIÉ COMME TEL SUR SON ÉTIQUETTE D'HOMOLOGATION.

MODEL - **DTC 6", 7", 8"** - MODÈLE
ENGLISH DESCRIPTION xxxxxxxxxxxxx
FRENCH DESCRIPTION xxxxxxxxxxxxx
PRODUCT CODEXXXXXX
smart code xxxxxxx

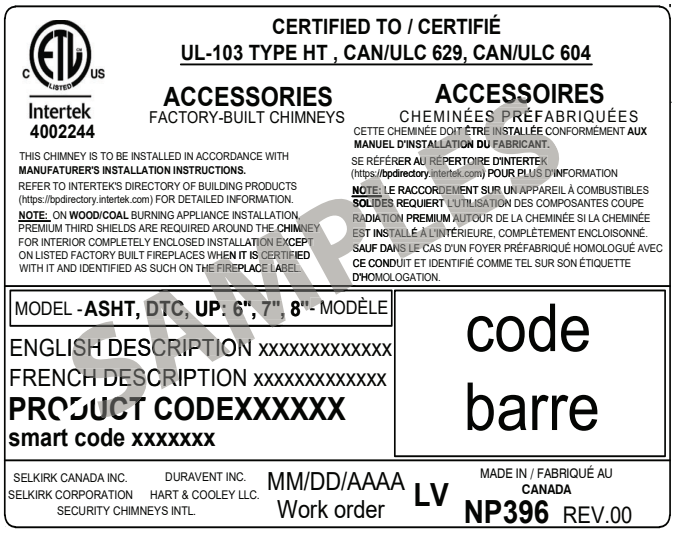
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duravent™ MM/DD/AAAA Work order **LV**

MADE IN / FABRIQUÉ AU **CANADA**
NP327 REV. 06

SAMPLES

DTC 6", 7", 8" - PREMIUM Accessory



CERTIFIED TO / CERTIFIÉ
UL-103 TYPE HT , CAN/ULC 629, CAN/ULC 604

Intertek 4002244

ACCESSORIES
FACTORY-BUILT CHIMNEYS

THIS CHIMNEY IS TO BE INSTALLED IN ACCORDANCE WITH **MANUFATURER'S INSTALLATION INSTRUCTIONS.**
REFER TO INTERTEK'S DIRECTORY OF BUILDING PRODUCTS (https://bpdirectory.intertek.com) FOR DETAILED INFORMATION.
NOTE: ON **WOOD/COAL** BURNING APPLIANCE INSTALLATION, PREMIUM THIRD SHIELDS ARE REQUIRED AROUND THE CHIMNEY FOR INTERIOR COMPLETELY ENCLOSED INSTALLATION EXCEPT ON LISTED FACTORY BUILT FIREPLACES WHEN IT IS CERTIFIED WITH IT AND IDENTIFIED AS SUCH ON THE FIREPLACE LABEL.

ACCESSOIRES
CHEMINÉES PRÉFABRIQUÉES

CETTE CHEMINÉE DOIT ÊTRE INSTALLÉE CONFORMÉMENT **AUX MANUEL D'INSTALLATION DU FABRICANT.**
SE RÉFÉRER AU RÉPERTOIRE D'INTERTEK (https://bpdirectory.intertek.com) POUR PLUS D'INFORMATION
NOTE: LE RACCORDEMENT SUR UN APPAREIL À COMBUSTIBLES **SOLIDES REQUIERT** L'UTILISATION DES COMPOSANTES COUPE RADIATION **PREMIUM** AUTOUR DE LA CHEMINÉE SI LA CHEMINÉE EST INSTALLÉ À L'INTÉRIEURE, COMPLÈTEMENT ENCLOISONNÉ. SAUF DANS LE CAS D'UN FOYER PRÉFABRIQUÉ HOMOLOGUÉ AVEC CE CONDUIT ET IDENTIFIÉ COMME TEL SUR SON ÉTIQUETTE D'HOMOLOGATION.

MODEL - **ASHT, DTC, UP: 6", 7", 8"** - MODÈLE
ENGLISH DESCRIPTION xxxxxxxxxxxxx
FRENCH DESCRIPTION xxxxxxxxxxxxx
PRODUCT CODEXXXXXX
smart code xxxxxxx

code barre

SELKIRK CANADA INC. DURAVENT INC.
SELKIRK CORPORATION HART & COOLEY LLC.
SECURITY CHIMNEYS INTL.

MM/DD/AAAA Work order **LV**

MADE IN / FABRIQUÉ AU **CANADA**
NP396 REV.00

SAMPLES

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

LISTING LABELS AND WARNING LABEL (DTC)

DTC - 5", 10"



CERTIFIED TO / CERTIFIÉ
UL-103 TYPE HT, CAN/ULC 604

Intertek 4002244

FACTORY-BUILT CHIMNEYS

REFER TO INTERTEK'S DIRECTORY OF BUILDING PRODUCTS (https://bpdirectory.intertek.com) FOR DETAILED INFORMATION.
MINIMUM CLEARANCE TO COMBUSTIBLES:
2 IN. (50mm) AIR SPACE TO COMBUSTIBLE MATERIALS AND BUILDING INSULATION OR AS ESTABLISHED BY FACTORY FURNISHED FIRESTOP SPACERS AND SUPPORT ASSEMBLY
SUITABLE FOR INTERIOR OR EXTERIOR INSTALLATION
THIS CHIMNEY IS TO BE INSTALLED IN ACCORDANCE WITH DURAVENT INC.'S INSTALLATION INSTRUCTIONS.
CANADIAN APPLICATION:
- CERTIFIED TO CAN/ULC 604 FOR CONNECTION TO **LIQUID OR GAS FIRED** APPLIANCES NORMALLY PRODUCING FLUE GASES OF **540°C OR LESS** IN COMPLIANCE WITH CANADIAN CODES ESTABLISHED FOR THIS TYPE OF CHIMNEY.
USA APPLICATION:
- CERTIFIED TO UL 103 TYPE HT RESIDENTIAL TYPE AND BUILDING HEATING APPLIANCE CHIMNEY PART.
USA & CANADA - FACTORY-BUILT FIREPLACES
SUITABLE FOR USE WITH SPECIFIC SOLID FUEL FACTORY- BUILT FIREPLACES WHERE SPECIFIED IN THE FIREPLACE MANUFACTURER'S INSTALLATION INSTRUCTION.

CHEMINÉES PRÉFABRIQUÉES

SE RÉFÉRER AU RÉPERTOIRE D'INTERTEK (https://bpdirectory.intertek.com) POUR PLUS D'INFORMATION.
ESPACE LIBRE MINIMAL AUX MATÉRIAUX COMBUSTIBLES:
ESPACE LIBRE DE **2 PO. (50mm)** AUX MATIÈRES COMBUSTIBLES ET À L'ISOLATION DE LA BÂTISSE OU TEL QU'ÉTABLI PAR LES COUPE-FEU ET SUPPORTS FOURNIS PAR LE FABRICANT.
CONVIENT À UNE UTILISATION À L'EXTÉRIEUR OU À L'INTÉRIEUR
CETTE CHEMINÉE DOIT ÊTRE INSTALLÉE CONFORMÉMENT AUX MANUEL D'INSTALLATION DE DURAVENT INC..
APPLICATION CANADIENNE:
- CERTIFIÉ CAN/ULC 604 POUR RACCORDEMENT AUX APPAREILS UTILISANT DES **COMBUSTIBLES LIQUIDES OU GAZEUX** DÉGAGEANT NORMALEMENT **540°C OU MOINS** CONFORMÉMENT AUX NORMES DU CODE CANADIEN POUR CE TYPE DE CHEMINÉE.
APPLICATION AMÉRICAINE:
- CERTIFIÉ UL 103 TYPE HT PIÈCE DE CHEMINÉE POUR APPAREIL DE CHAUFFAGE RÉSIDENTIEL ET COMMERCIAL.
É-U & CANADA - FOYER PRÉFABRIQUÉ
CONVIENT À UNE UTILISATION AVEC DES FOYERS PRÉFABRIQUÉS À COMBUSTION SOLIDE FAITS EN USINE LORSQUE SPÉCIFIÉ DANS LES INSTRUCTIONS D'INSTALLATION DU FABRICANT DE FOYER.

UP HAUT
FLOW DIRECTION ÉCOULEMENT

MODEL - **DTC 5" & 10"** - MODÈLE
ENGLISH DESCRIPTION xxxxxxxxxxxx
FRENCH DESCRIPTION xxxxxxxxxxxx
PRODUCT CODEXXXXXX
smart code xxxxxxx

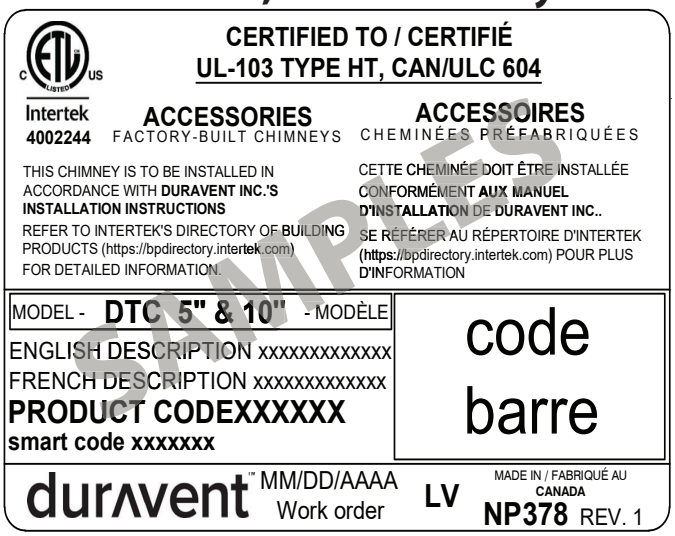
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duravent™ MM/DD/AAAA Work order **LV**

MADE IN / FABRIQUÉ AU **CANADA**
NP377 REV. 01

SAMPLES

DTC -5", 10" Accessory



CERTIFIED TO / CERTIFIÉ
UL-103 TYPE HT, CAN/ULC 604

Intertek 4002244

ACCESSORIES
FACTORY-BUILT CHIMNEYS

THIS CHIMNEY IS TO BE INSTALLED IN ACCORDANCE WITH **DURAVENT INC.'S INSTALLATION INSTRUCTIONS**
REFER TO INTERTEK'S DIRECTORY OF BUILDING PRODUCTS (https://bpdirectory.intertek.com) FOR DETAILED INFORMATION.

ACCESSOIRES
CHEMINÉES PRÉFABRIQUÉES

CETTE CHEMINÉE DOIT ÊTRE INSTALLÉE CONFORMÉMENT AUX MANUEL D'INSTALLATION DE **DURAVENT INC..**
SE RÉFÉRER AU RÉPERTOIRE D'INTERTEK (https://bpdirectory.intertek.com) POUR PLUS D'INFORMATION

MODEL - **DTC 5" & 10"** - MODÈLE
ENGLISH DESCRIPTION xxxxxxxxxxxx
FRENCH DESCRIPTION xxxxxxxxxxxx
PRODUCT CODEXXXXXX
smart code xxxxxxx

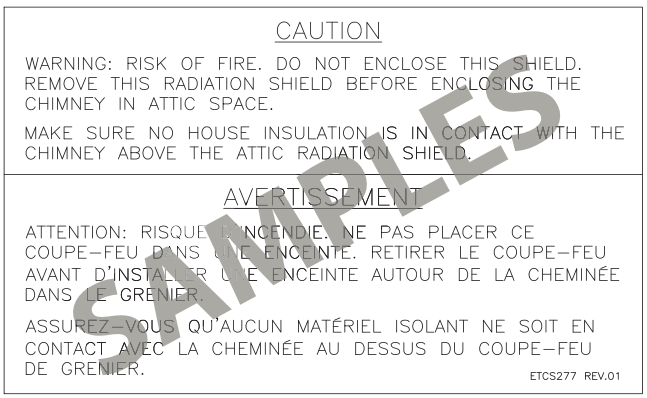
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duravent™ MM/DD/AAAA Work order **LV**

MADE IN / FABRIQUÉ AU **CANADA**
NP378 REV. 1

SAMPLES

WARNING LABEL



CAUTION

WARNING: RISK OF FIRE. DO NOT ENCLOSE THIS SHIELD. REMOVE THIS RADIATION SHIELD BEFORE ENCLOSING THE CHIMNEY IN ATTIC SPACE.

MAKE SURE NO HOUSE INSULATION IS IN CONTACT WITH THE CHIMNEY ABOVE THE ATTIC RADIATION SHIELD.

AVERTISSEMENT

ATTENTION: RISQUE D'INCENDIE. NE PAS PLACER CE COUPE–FEU DANS UNE ENCEINTE. RETIRER LE COUPE–FEU AVANT D'INSTALLER UNE ENCEINTE AUTOUR DE LA CHEMINÉE DANS LE GRENIER.

ASSUREZ–VOUS QU'AUCUN MATÉRIEL ISOLANT NE SOIT EN CONTACT AVEC LA CHEMINÉE AU DESSUS DU COUPE–FEU DE GRENIER.

ETCS277 REV.01

SAMPLES

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

RECOMMENDATIONS

It is important these installation instructions are followed.

We highly recommend this product be installed and serviced by professionals who are certified in the U.S.A by NFI (National Fireplace Institute) or CSIA or in Canada by WETT (Wood Energy Technology Transfer) or l'APC (l'association des professionels du chauffage).

Clear the working space to give you freedom of movement during the installation. Be sure to clear any insulation that has been placed over the area where the chimney will penetrate the ceiling above the appliance.

Plan the installation of your appliance and chimney in such a way that both your chimney and your chimney connector (stovepipe) run is as short and straight as possible. By having too long and / or multiple offset installations you will reduce system draft which can affect the operation of your appliance and / or the chimney system. The chimney should be located within the building so as to avoid cutting or altering load bearing members such as joists, rafters, studs, etc. If you have to cut or alter an existing load bearing member, special reframing methods are required which often include doubling of adjacent members. If such a case arises, contact your local Building Code Official regarding local regulations and proper installation methods.

Sections of the DTC chimney which pass through accessible areas of the building such as closets, storage areas, occupied spaces or any place where the surface of the chimney could be contacted by persons or combustible materials must be enclosed in a chase (framed in). The chase may be fabricated using standard building materials. Drywall mounted on 2" x 4" studs is typically used in this situation. Except for installation in single and two family dwellings, factory-built chimneys shall be enclosed with approved walls having a fire resistance rating equal or greater than that of the floor, wall or roof assemblies through which they pass.

Clearance

The clearances stated in this guide are minimum requirements: if more space is available, use it. Minimum clearances mean leaving unobstructed air space. Do not fill these spaces with any material whatsoever, especially not home insulating material except specified otherwise. If you insulate your attic later, be sure to maintain the necessary clearance.

Inspection

Prior to starting the installation, contact the local building officials in your area, to determine the need for any necessary building permits, and to ensure that your installation will conform with all local, provincial / state and national code requirements. Contact your insurance provider to determine if an inspection by a Certified Professional is required.

Replacement Parts

If a component of your chimney system is damaged it must be replaced by an identical one from Duravent.

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

WOOD AND COAL STOVES

The DTC chimney has been designed for use with wood, gas, oil, and coal in residential, commercial and industrial applications, specially developed for use with controlled-combustion stoves and wood burning fireplace .

In the USA, DTC is listed to UL-103 TYPE HT, 2100°F in diameters of 5, 6, 7, 8 and 10 inches.

In Canada, DTC is listed to ULC-629, 2100° F in diameters 6, 7 and 8 inches for wood/coal application. For that specific application and for interior enclosed installation only, Premium Radiation Shields accessories are required around the chimney. Refer to specific Canadian installation section for proper installation.

In Canada, DTC is also designed for use with gas or oil fired heating appliances such as furnaces, water heaters, and other appliances, as per ULC-604 in diameters 5 to 10 inches.
If you are planning to install a wood stove, we recommend that you:

1. Choose the right size stove. Do not buy one larger than you need.

2. Connect only one appliance to a chimney.

3. Never overfire your stove. If any part of the stove or stove pipe is glowing red, then you are overfiring. Immediately close the stove's dampers until the system cools. The high temperature caused by overfiring can permanently damage the stove and stove pipe and may overheat nearby combustible walls and furniture.

4. Install the stove and stove pipe as described in the installation instructions accompanying the stove. Be certain to maintain the required clearances to combustible construction.

5. Keep your flue gases between 300°F and 500°F. This will maximize efficiency while minimizing condensation and creosote formation. Do not fill your stove with wood and allow it to smolder for 8 to 10 hours. This condition produces large amounts of creosote in the chimney.

6. Do not burn sea driftwood or treated wood. These combustibles are highly corrosive to all types of stainless steel.

FACTORY BUILT FIREPLACES

DTC is suitable for use with closed or opened fireplaces certified for use with the DTC.

When doing so please refer to the fireplace installation instruction to install the chimney.

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

CREOSOTE - FORMATION AND NEED FOR REMOVAL

Wood burning appliance can quickly create large deposits of creosote in the chimney. Some wood burning appliance can create enough creosote in two weeks to cause a chimney fire.

When wood is burned slowly, it produces tar and other organic vapours, which combine with expelled moisture to form creosote. The creosote vapours condense in the relatively cool chimney flue of a slow-burning fire. As a result, creosote residue accumulates on the flue lining. When ignited this creosote makes an extremely hot fire.

When using a wood stove, we recommend that you::

1. Initially, inspect the chimney system weekly. You will learn how often it will be necessary to clean your chimney.

2. The chimney should be inspected at least once every 2 months during the heating season to determine if a creosote or soot build-up has occurred: if a significant layer of creosote has accumulated (3 mm or 1/8"), it should be removed to reduce the risk of chimney fire.

3. Have your chimney cleaned by a qualified chimney sweep. If you want to clean your chimney yourself: clean your chimney using plastic or stainless steel brushes. Do not use a brush that will scratch the stainless steel interior of your chimney.

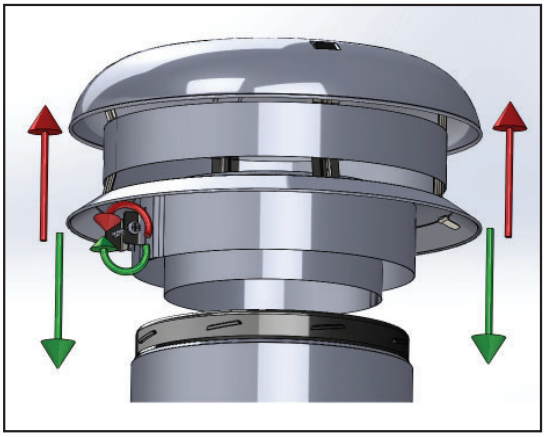
4. Do not expect chemical chimney cleaners to keep your chimney clean. Their use does not negate the necessity of periodically inspecting and cleaning your chimney.

⚠ WARNING

In Case of Fire: If a flue fire occurs, close all appliance dampers and source of combustion air, and call your Fire Department. Do not use the chimney again, until it has been inspected for possible damage.

CAP REMOVAL FOR MAINTENANCE

To remove cap, unscrew the collar screw to untighten the collar.
Pull on the cap to remove it from the chimney.
To put the cap back in place, slide it over the chimney and then tighten the collar using the collar screw.



NOTE: ALL DIMENSIONS ARE IN INCHES.

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

SIZING CHART

CHIMNEY-SIZE	5″	6″	7″	8″	10″
OUTSIDE-DIAMETER	7″	8″	9″	10″	12″
FRAMING DIMENSION REQUIRED					
Reduced Clear. Support (RCS)	--	10 1/8″	11 1/8″	12 1/8″	--
Square support (CS24)	--	12-1/8″	14-3/8″	14-3/8″	14-3/8″
Wall Thimble (WTI-2)	11″	12″	13-3/8″	14-3/8″	16-3/8″
Finish support (FSC/FSCR)	--	12-1/8″	14-3/8″	14-3/8″	--
Firestop (FS)	11-3/8″	12-3/8″	13-3/8″	14-3/8″	16-3/8″
Attic Radiation Shield (ISIA)	11-3/8″	12-3/8″	13-3/8″	14-3/8″	16-3/8″
MAX. LENGTH HEIGHT SUPPORTED **					
Tee Support (TSA/TSAC-2)	63′	63′	55′	48′	39′
Roof Support (RS)	42′	34′	27′	24′	20′
Square Support (CS24)	--	60′	50′	45′	35′
Radiation Shield Support Connector (RSSC-3)	--	30′	24′	21′	--
Reduced Clearance Support (RCS)	--	60′	50′	45′	--
Finish Support (FSC/FSCR)	--	75′	65′	59′	--
Offset/Wall Support (RESU)	--	28′	24′	20′	14′
Insulated Tee (TI) *	63′	63′	55′	50′	50′
Clearance To Combustibles	2″	2″	2″	2″	2″

Table 1

* **When installed on a concrete footing.**

** **NOTE: If greater height is required, use additional roof supports at intervals not exceeding 30′**

ROOF OPENING CHART

CHIMNEY SIZE	5″		6″		7″	
ROOF SLOPE (X /12)	ROOF HOLE SIZE					
	A	B	A	B	A	B
0	11-3/8	11-3/8	12-3/8	12-3/8	13-3/8	13-3/8
2/12	11-3/8	11-1/2	12-3/8	12-1/2	13-3/8	13-1/2
4/12	11-3/8	12	12-3/8	13	13-3/8	14-3/32
6/12	11-3/8	12-11/16	12-3/8	13-13/16	13-3/8	14-15/16
8/12	11-3/8	13-11/16	12-3/8	14-7/8	13-3/8	16-1/16
10/12	11-3/8	14-13/16	12-3/8	16-1/8	13-3/8	17-7/16
12/12	11-3/8	16-1/16	12-3/8	17-1/2	13-3/8	18-29/32

CHIMNEY SIZE	8″		10″	
ROOF SLOPE (X /12)	ROOF HOLE SIZE			
	A	B	A	B
0	14-3/8	14-3/8	16-3/8	16-3/8
2/12	14-3/8	14-9/16	16-3/8	16-19/32
4/12	14-3/8	15-5/32	16-3/8	17-1/4
6/12	14-3/8	16-3/32	16-3/8	18-5/16
8/12	14-3/8	17-1/4	16-3/8	19-11/16
10/12	14-3/8	18-23/32	16-3/8	21-5/16
12/12	14-3/8	20-11/32	16-3/8	23-5/32

Table 2 - Refer to Figure 1

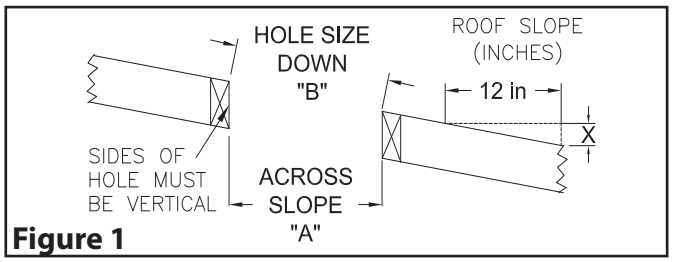


Figure 1

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

1 GENERAL INSTALLATION NOTES - CANADA

INSTALLATION NOTES

1. The chimney is intended for use with solid, liquid, and gaseous fuel burning appliances. In Canada, only 6", 7" and 8" dia. can be used on any solid fuel appliances. 5" and 10" can be used on listed wood fireplaces.

   Allowable flue gas temperature:
   Maximum continuous 1200° F (650°C)
   Brief forced firing 1400°F (760°C)
   Tested to 2100°F (1150°C) - 3x - 30 min.

   a. On wood or coal appliance applications and in areas where the chimney is completely enclosed in an interior house installation, it is required to install Premium RadiationShield (Telescopic **TRLRS-3** or Flexible **FLRS-3**) around the chimney and a Radiation Shield Connector (**RSC-3**) at the ceiling level. (**See Figure 2**).

   b. With factory-built, wood-burning fireplaces, Premium Radiation Shields are usually not required, even where the chimney is enclosed.

   c. With factory-built, wood-burning fireplaces, Premium Radiation Shields are usually not required. Refer to the manufacturer's certified installation instructions provided with the fireplace to confirm."

2. The maximum height of chimney supported by the various Duravent' supports are outlined on **Table 1**.

3. The supports described in this manual should only be used with Duravent's model DTC, 5", 6", 7", 8" and 10" factory built chimneys.

4. In order to achieve safe, optimum performance of the appliance, and service life of the chimney, the chimney should be sized correctly for the connected appliance; refer to the appliance manufacturer's instructions.

5. When a firestop is required, it is important to follow the framing dimensions for floor openings as prescribed in this manual. **(**see **Table 2).**

6. A chimney servicing a fireplace or an incinerator shall not serve any other appliance.

7. When proceeding to the installation of radiation shields and/or attic insulation shields, the vertical height of the attic insulation shield or radiation shield above attic construction material should accommodate the amount of insulation as required by the National Building Code.

8. The chimney shall extend at least 3 ft above its point of contact with the roof and at least 2ft higher than any wall, roof or adjacent building within 10 ft of it.

9. The maximum height of an unguided chimney above the roof is 5 ft. If the chimney extends more than 5 ft. above the roof, a Universal Roof Brace (XRB) must be used.

10. The clearance between single wall pipe and unprotected combustible material must not be less than 18" (see National Building Code and CSA-B365) except: The distance between the vertical stove pipe and the ceiling may be less than 18" and will be established by the finish support.

11. Where a factory-built chimney assembly extends through any story above that on which the connected appliance is located, it is to be provided with an enclosure which will maintain its required clearances. Apart from the above, installations in one and two family dwellings, a factory-built chimney that extends through any zone above that on which the connected appliance is located is to be provided with an enclosure having a fire resistance rating equal to or greater than that of the floor or roof assemblies through which it passes.

    In addition, NFPA211 requires rated enclosures of any factory-built chimneys that pass through floors of buildings that the protection of vertical openings shall be enclosed with approved walls having a fire resistance rating of not less than one hour when such chimneys are located in a building less than 4 stories in height, and not less than 2 hours when such chimneys are located in a building 4 stories or more in height.

12. Do not fill the 2" space around the chimney with household insulation or any other material unless specified otherwise. Insulation placed in this area could prevent proper air circulation around the chimney and may cause adjacent combustible materials to overheat.

13. Self-tapping stainless screws are not required, but may be used to reinforce the connection and avoid accidental unlocking of chimney lengths. Use only 1/2" self-tapping screws. Do not penetrate the inner wall of the chimney.

14. When penetrating an exterior wall or ceiling/roof assembly, the vapor barrier must be repaired. This is easily accomplished by attaching the vapor barrier to the outer perimeter of any wall thimble, Firestop, or ceiling support component using approved sealant or tape, while also maintaining the minimum clearances-to-combustibles to the chimney's outer wall. When penetrating the building envelope, the gap between the outer layer of chimney and any Firestop or wall thimble can be sealed using high-temperature rated (600°F) silicone caulking. Should you require further clarification, consult your local authority having jurisdiction.

15. The safe operation of a factory-built chimney assembly is based on the use of parts supplied by the manufacturer and the performance of the assembly may be affected if the combination of these parts is not used in actual building construction.
    Acceptance of the assembly is void if the installation instructions are not followed.

16. Provisions must be made to ensure that all interior portions of the chimney be accessible for inspection and cleaning.

⚠ WARNING

The clearance between the chimney and combustible material must not be less than 2", except where established by the support. Do not fill this area with insulation unless directed otherwise in these instructions.

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

1 GENERAL INSTALLATION NOTES - CANADA (CONT'D)

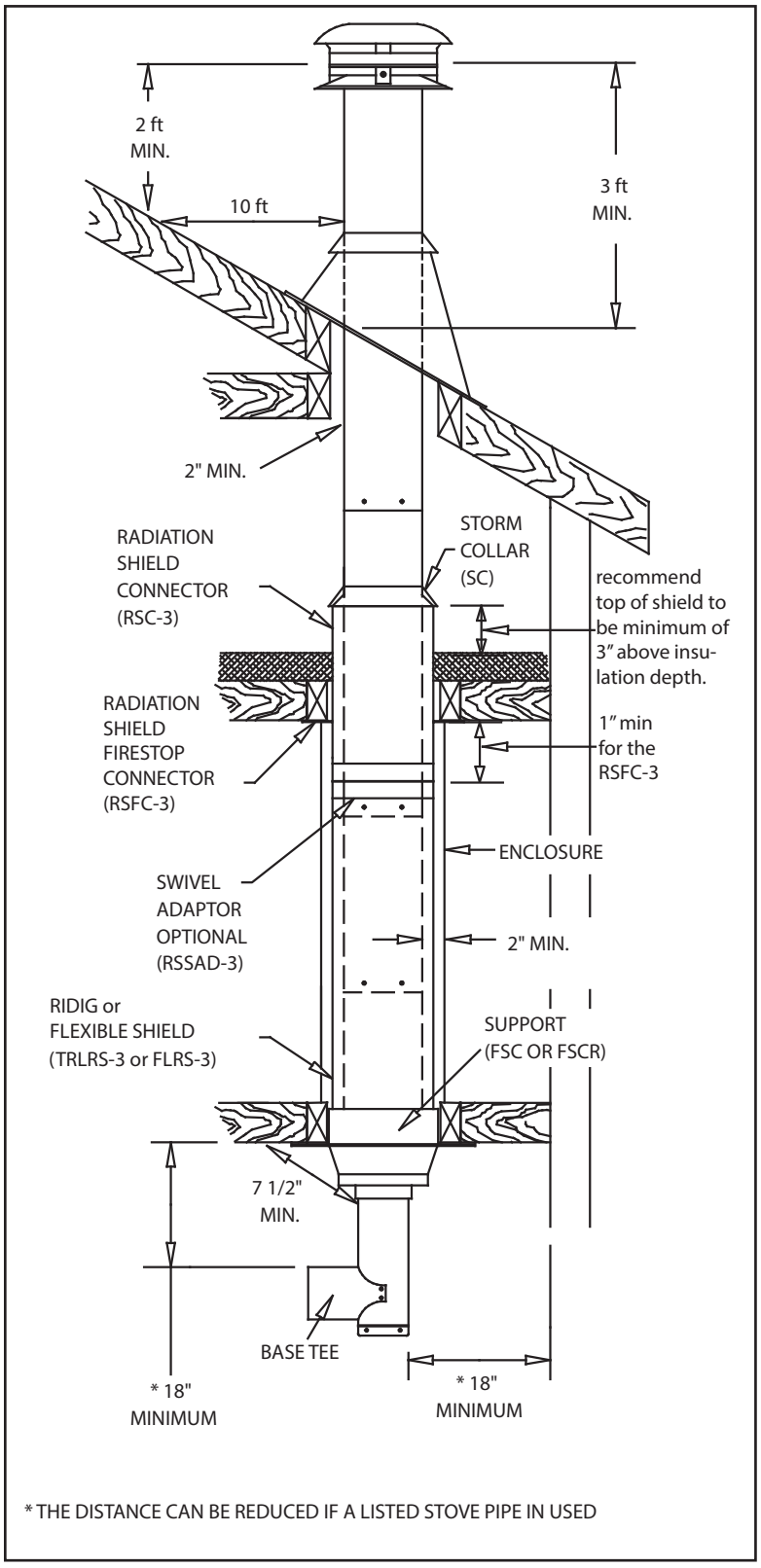


Figure 2

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

2 INTERIOR STRAIGHT INSTALLATION - SINGLE FLOOR - CANADA

REDUCED CLEARANCE SUPPORT (RCS)

When using the Reduced Clearance Support (RCS) at the attic level, the use of the attic radiation shield is not required. The Reduced Clearance Support (RCS) acts as an attic radiation shield when installed with insulation and a collar (provided) (see **figure 3**).

NOTE: A Finishing Support (FSC) combined with an Attic Radiation Shield (ISIA) can also be used for this application. **Refer to SECTION 3: FINISHING SUPPORT (FSC)** for installation guide.

Step 1: Locate the chimney in a convenient place as near as possible to the appliance outlet.

Step 2: Cut and frame the opening in the ceiling and roof where the chimney will pass.

NOTE: It is important to follow the framing cutting dimensions for floor openings as prescribed in **Table 3.**

Step 3: From below, push the Reduced Clearance Support into the framed opening in the ceiling. Ensuring the support is level, attach the support to the framed opening using (12) - 3" spiral nails or #8 x 1 1/2" wood screws (see Figure 3). At least 3 1/2" of the support must extend into the room. Screw the Finish Trim (included) to the ceiling.

NOTE: At least 3 1/2" of the support must extend down below the finished ceiling. This ensures minimum clearances are maintained to stovepipe. Fix the Finish Trim around the support using supplied screws.

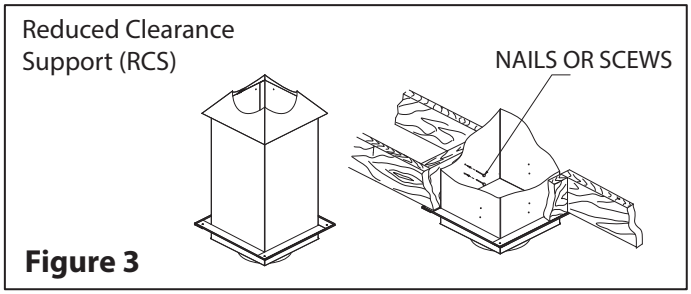


Figure 3

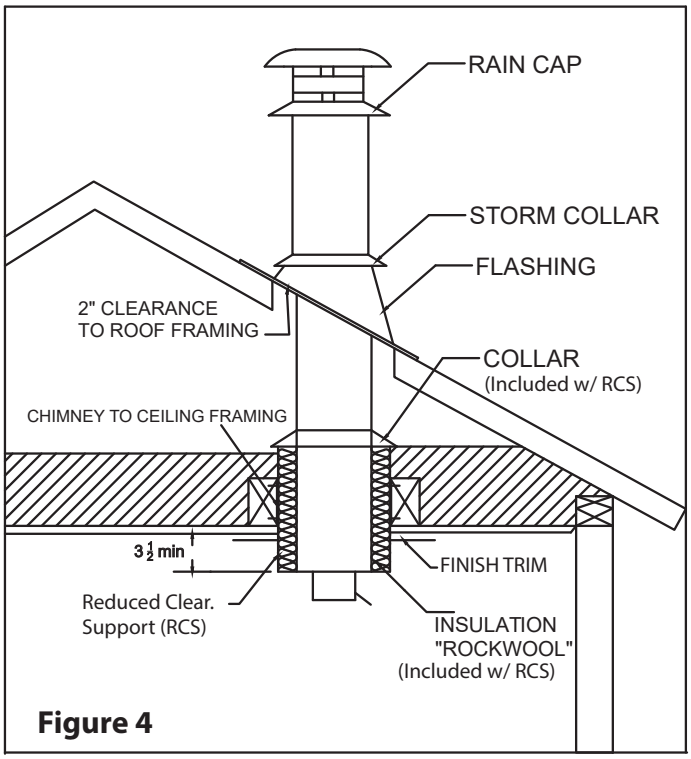


Figure 4

CHIMNEY SIZE	FRAMING DIMENSION	
	Reduce Clearance Support	ROOF
6"	10-1/8" x 10-1/8"	12-3/8" x 12-3/8"
7"	11-1/8" x 11-1/8"	13-3/8" x 13-3/8"
8"	12-1/8" x 12-1/8"	14-3/8" x 14-3/8"

Table 3

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

2 INTERIOR STRAIGHT INSTALLATION - SINGLE FLOOR - CANADA (CONT'D)

Step 4: Place first chimney length into the support. Twist to lock into place. Wrap the insulation pad around the chimney section. Slide insulation pad into the space between the chimney section and support making sure the insulation makes contact with the bottom of the support. Additional pieces of insulation can be loosely tucked down within corners. Do not compress insulation. This reduces effectiveness.

NOTE: If needed a Support Extension (SE) can be attached to the support to increase its height. **See SECTION 4: REDUCED CLEARANCE SUPPORT EXTENSION (SE).**

NOTE: Make sure arrow on pipe label is pointing upward.

Step 5: The square-to-round collar (included) features a fixing tab and slot.

To install, wrap the collar around the chimney.

Slide it down on top of the RCS Support.

Pull the sides of the collar together while inserting the collar's tab through the slot.

Once tight, fold the tab over to secure the collar. Check fit to ensure the collar completely covers the top of the support.

Step 6: Stack the next chimney length on the first length. Be sure that the male and female threads are not in line when putting the lengths together. Turn the chimney clockwise to lock it in place. Continue until the required chimney height is reached.

Step 7: **ROOF FLASHING INSTALLATION**

Put the roof flashing in place. Seal the joint between the roof and the flashing with roofing compound.

For sloping roofs, place the flashing under the upper shingles and on top of the lower shingles. Nail the flashing to the roof using nails. Place the storm collar around the chimney and slide down on top of the flashing.

Step 8: Tighten the collar using the supplied bolt. Make sure the joint is properly caulked **(see Figure 5).**

Step 9: Attach the rain cap to the top of the chimney.

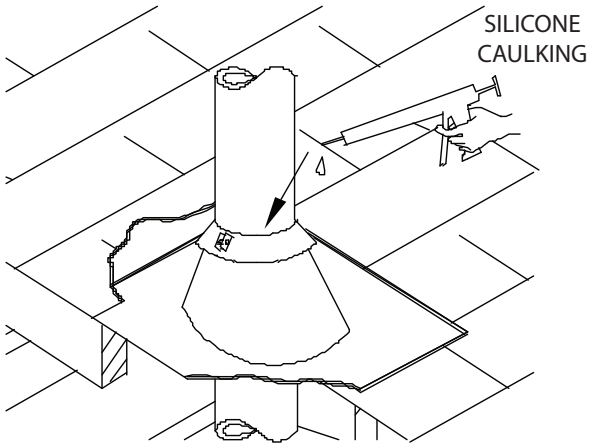


Figure 5

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

3 INTERIOR STRAIGHT INSTALLATION - MULTIPLE FLOOR - CANADA

if using the reduced clearance support (RCS), refer to table 9 for dimensions. When used for this application, the square-to-round collar is not used. When using the rcs, installer must always consider obstacles above that could encroach on or compromise clearances: truss top chord and diagonal webs etc. Clearance reduction only applies to portion of chimney protected by the support and the support extension.

FOR ENCLOSED INSTALLATION ON WOOD OR COAL BURNING APPLIANCE (6", 7", 8" dia.), only Finishing Support (SFC) can be used.

FINISHING SUPPORT (FSC)

Step 1. Locate the chimney in a convenient place as near as possible to the appliance outlet.

Step 2. Cut and frame the openings in the floor, ceiling and roof where the chimney will pass.

NOTE: It is important to follow the framing dimensions for the floor openings prescribed in this manual.

CHIMNEY SIZE	HOLE SIZE	
	FINISH SUPPORT (SFC)	RADIATION SHIELD & ROOF *
5"	12-1/8" x 12-1/8"	11-3/8" x 11-3/8"
6"	12-1/8" x 12-1/8"	12-3/8" x 12-3/8"
7"	14-3/8" x 14-3/8"	13-3/8" x 13-3/8"
8"	14-3/8" x 14-3/8"	14-3/8" x 14-3/8"
10"	---	16-3/8" x 16-3/8"

Table 4
*** For sloping roofs, see Table 2**

Step 3. From below push the finish support into the framed opening. Nail or screw the support to the framed box using (12) 3" spiral nails or #8 x 1 1/2" wood screws (**see Figure 6**).

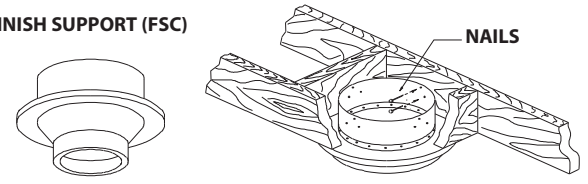


Figure 6

Step 4. If you are venting a Factory built fireplace or an oil or gas burning appliance please refer to installation notes #2 (on **Section-1**) for guidelines on the use of the shields.

Step 5A. **FOR UNENCLOSED OR VENTING OF OIL OR GAS APPLIANCES:** Refer to interior installation on a furnace and water heater guideline (on **Section-7**).

Step 5B**. FOR ENCLOSED INSTALLATION ON WOOD OR COAL BURNING APPLIANCE (6",7",8" dia. only),** proceed according to the steps below and **see Figure 7.**

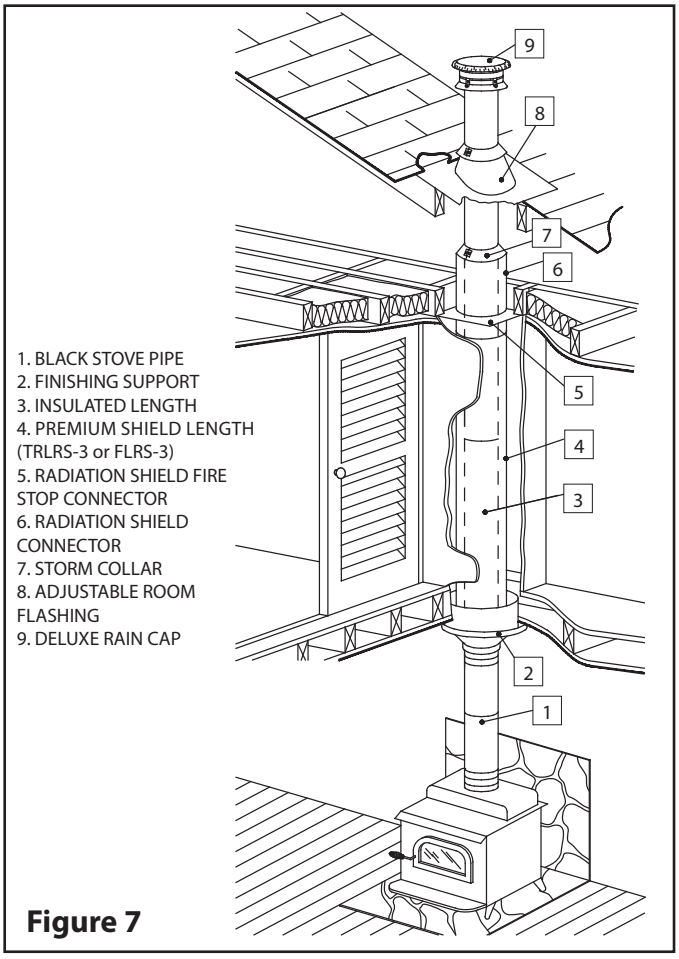


Figure 7

Step 6. Lock the first chimney length into the support with the arrow on label pointing up.

Step 7 . Slide a Telescopic Rigid shield (TRLRS-3) on top of that length all the way to the bottom. Stack the next chimney length on the first length. Be sure that the male and female threads are not in line when putting the lengths together. Turn the chimney clockwise to lock it in place. You may add a 1/2" stainless steel self tapping screw to prevent accidental unlocking. Continue installing until the chimney reached the ceiling.

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

3 INTERIOR STRAIGHT INSTALLATION - MULTIPLE FLOOR - CANADA (CONT'D)

Step 8 . At the ceiling level, install a Radiation Shield Connector (RSC-3) and a Radiation Shield Firestop (RSFC-3) on the chimney (see **Figure 8**). Slide the Radiation Shield Connector down until the bottom of the insulated tube passes just through the Radiation Shield Firestop as shown in (see **Figure 8**). Adjust the height until a minimum of (1") of the Radiation Shield Connector passes through the firestop below. Fix it to the chimney from the attic side using (3) - 1/2" self-tapping screws. The Telescopic Shield is then slid upwards to the ceiling and attached to the bottom of the Radiation Shield Connector using (3) - 1/2" self-tapping screws.

NOTE: add one stainless steel self tapping screws provided, between each telescopic section, to reinforce telescopic joints.

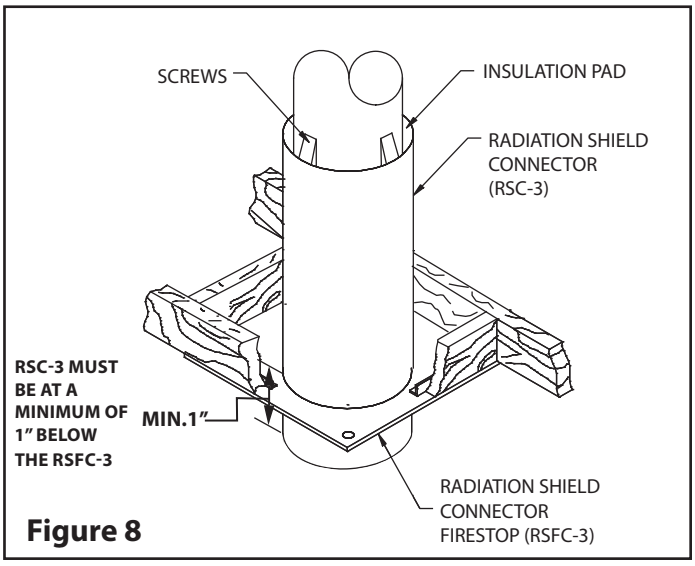


Figure 8

Step 9. **ROOF FLASHING INSTALLATION**

Put the roof flashing in place. Seal the joint between the roof and the flashing with roofing compound.

For sloping roofs, place the flashing under the upper shingles and on top of the lower shingles. Nail the flashing to the roof using roofing nails.

Place the storm collar over the chimney and the flashing. Tighten it with the bolt supplied making sure the joint is properly caulked (see **Figure 9)**.

Step 10. Attach the rain cap to the top of the chimney.

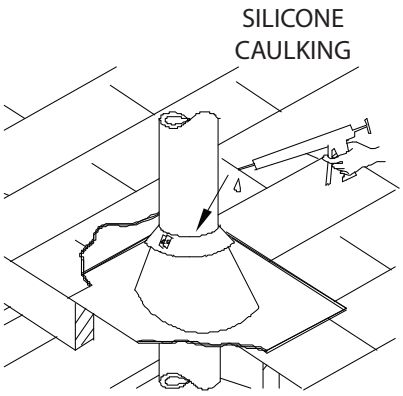


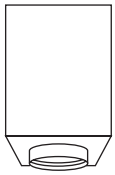
Figure 9

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

4 INTERIOR INSTALLATION CATHEDRAL CEILING - CANADA

REDUCED CLEARANCE SUPPORT (RCS)

NOTE: The Reduced Clearance Support (RCS) comes with a collar. It can be discarded for a Cathedral Ceiling application, it is not required.



RCS

Step 1: Locate the chimney in a convenient location as near as possible to the appliance outlet. Cut and frame an opening in the roof for the support (see **Table 5**). The sides of this hole must be vertical (see **Figure 11**).

Step 2: From above, place the support in the opening.

NOTE: The bottom portion of the support must project below the ceiling. Distance will vary according to pitch (see **Table 6**). The minimum horizontal distance between single wall stove pipe and adjacent wall surfaces is 18".

Step 3: Use a level to ensure the support is vertical. If the support extends above the roof, cut it flush with the top of the roof. Attach the support to the framed opening using (12)-3" spiral nails or #8 x 1 1/2" wood screws (see **Figure 10**).

Step 4: Place first chimney length into the support. Twist to lock into place. Wrap the insulation pad around the chimney section removing any excess. Slide insulation pad into the space between the chimney section and support making sure the insulation makes contact with the bottom of the support. Additional pieces of insulation can be loosely tucked down within corners. Do not compress insulation. This reduces effectiveness.

Where desired, an extension (SE) is available for the support. This may be needed in steeper cathedral applications. Approved insulation can be used within the extension. It must be listed/ compliant with ASTM E136/ULC S114 as non-combustible, have a melting temperature above 2000°F/1100°C, and be water resistant with low moisture absorption.Materials such as rockwool or mineral wool qualify.

TO CONTINUE INSTALLATION REFER TO SECTION 6: ROOF SUPPORT (RS)

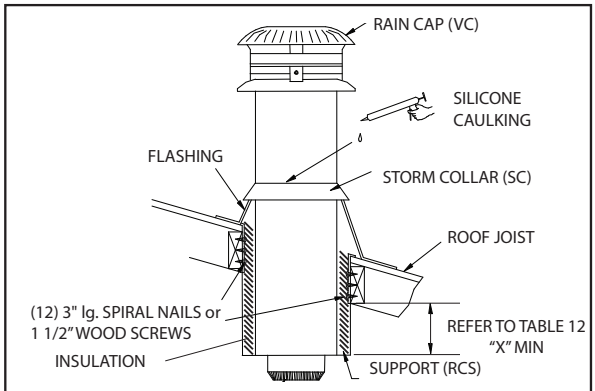


Figure 10

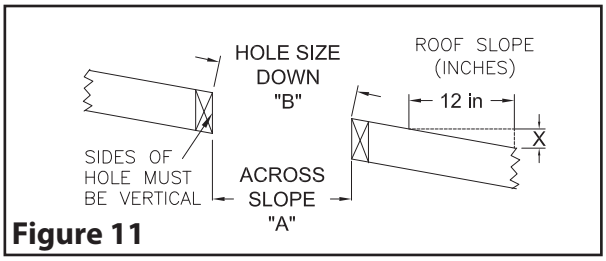


Figure 11

Chimney Size	6"		7"		8"	
Roof Slope (X/12)	Frame opening. (Reduce Clearance Support)					
	A	B	A	B	A	B
0	10-1/8	10-1/8	11-1/8	11-1/8	12-1/8	12-1/8
2/12	10-1/8	10-1/4	11-1/8	11-1/4	12-1/8	12-1/4
4/12	10-1/8	10-5/8	11-1/8	11-3/4	12-1/8	12-3/4
6/12	10-1/8	11-1/4	11-1/8	12-1/2	12-1/8	13-1/2
8/12	10-1/8	12-1/8	11-1/8	13-1/4	12-1/8	14-1/2
10/12	10-1/8	13-1/4	11-1/8	14-1/2	12-1/8	15-7/8
12/12	10-1/8	14-1/4	11-1/8	15-3/4	12-1/8	17-1/8

Table 5

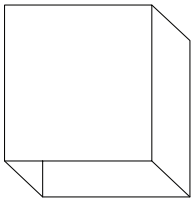
NOTE: ALL DIMENSIONS ARE IN INCHES.

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

4 INTERIOR INSTALLATION CATHEDRAL CEILING - CANADA (CONT'D)

Reduce Clearance Support Extension (SE)

Steep pitched cathedral ceilings may require the use of a Support Extension (SE). This piece fits down inside the reduced clearance support and can be adjusted to increase the support's length by up to 22".



SE

The extension is attached to the support using the eight metal screws provided. Be sure there is at least a 2" overlap where the extension joins the support.

NOTE: Refer to Step 4 (**Section 4: RCS**) regarding additional insulation required with this extension.

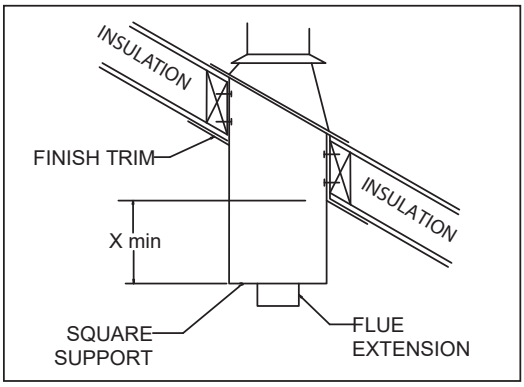


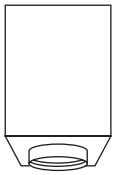
Figure 12

Slope	X min
0/12 - 2/12	3 ½"
2/12 - 7/12	5 ½"
7/12 - 12/12	6 ¾"
12/12 - 24/12	7 ½"
24/12	12 ½"

Table 6

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

SQUARE SUPPORT (CS24)



CS24

This support is similar in application and installation as the Reduced Clearance Support. Install it using the instruction on Section 4**: REDUCED CLEARANCE SUPPORT (RCS). (**Refer to **Figure 13** for visual references). Approved insulation can be used within the square support and extension surrounding the chimney. It must be listed/compliant with ASTM E136/ULC S114 as non-combustible, have a melting temperature above 2000°F/1100°C, and be water resistant with low moisture absorption. Materials such as rockwool qualify.

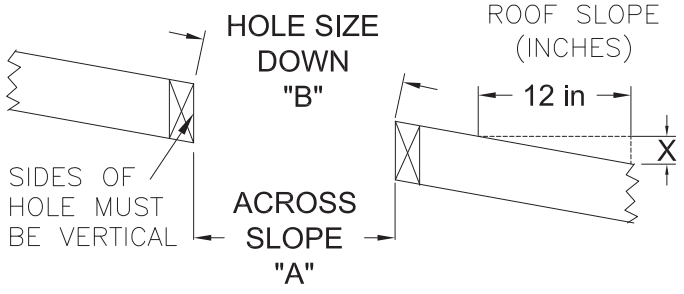
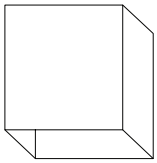


Figure 14 REFER TO SIZING CHART AND Table 2

SUPPORT EXTENSION (CSE24) (For Square Support only)



CSE24

Steep pitched cathedral ceilings may require the use of a Square Support extension (CSE24). This piece fits down inside the square support and can be adjusted to increase the support's length by up to 22"

The extension is attached to the support using the eight metal screws provided. Be sure there is at least a 2" overlap where the extension joins the support.

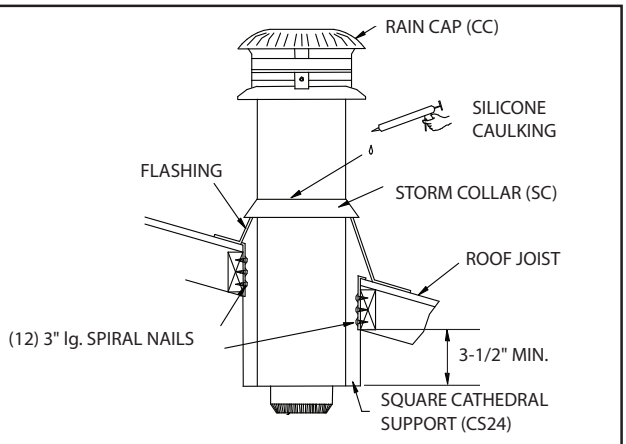


Figure 13

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

5 OFFSET DEVIATION - CANADA

OFFSET CHIMNEY

It may be necessary to offset the chimney to clear an obstruction such as a joist or truss, or to position the chimney close to the ridge cap. A maximum of two offsets (4 elbows in all) is allowed in a chimney. The chimney must not be inclined more than 45° from vertical in **Canada**.

The minimum chimney height when using 15° offsets is 10'.

The minimum chimney height when using 30° or 45° offsets is 15'.

The maximum length of unsupported offset chimney is 6'. If the offset chimney is longer than 6', then it must be supported at 6' intervals using an Wall Support (RESU-2) or Roof Support (RS). (See **Figure 15**).

⚠ WARNING

A support must always be installed right above each offset (two elbows) to support the chimney above the offset.

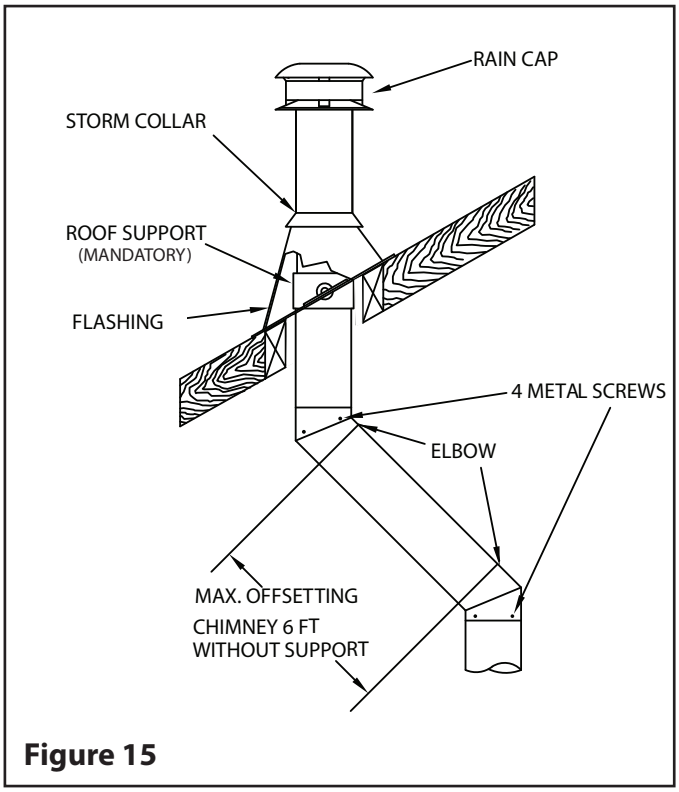


Figure 15

INSTALLATION INSTRUCTIONS

If you are venting a Factory built fireplace or an oil or gasburning appliance please refer to installation notes **#1**, (**b.** and **c**, on **Section 1)** for guidelines on the use of the Third Shield Accessories.

For Interior Enclosed installation only) (wood or coal burning appliance (6", 7", and 8" dia. only)

Step 1. Place the first chimney length on a flat surface with the male coupling on top.

NOTE: If using a length shorter than 36" in the bottom support, you must first attach the elbow to this shorter section. Before proceeding to the next step, perform a test fit in the support to determine the required orientation of the elbow once attached to the Length. Then fasten it to the chimney using the (4) 1/2" metal screws provided.

Step 2. Slide a Flexible Shield (FLRS-3) on top of that length (or Length-Elbow combo) all the way to the bottom.

Step 3. Attach the flexible shield to the section using 3 x 1 /2" stainless steel self tapping screws.

Step 4. Slide this assembly in the support and turn clockwise to lock it in place.

Step 5. At the ceiling level from the top, position a Radiation Shield Connector (RSC-3) and a Radiation Shield Support (RSSC-3) attached but not tightened together (**see Figure 16**).

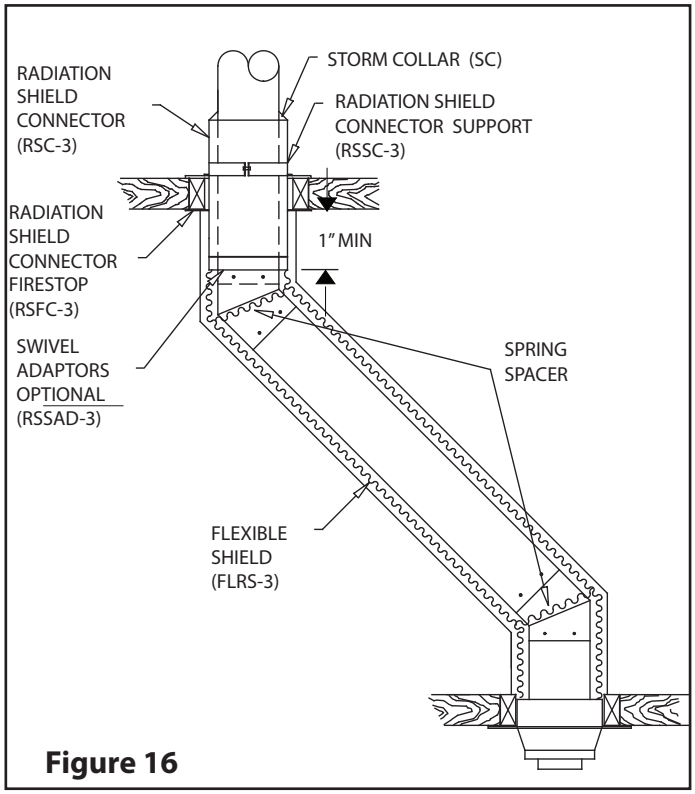


Figure 16

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

5 OFFSET DEVIATION - CANADA (CONT'D)

Step 6. Slide the Radiation Shield Connector down until the bottom of the insulated tube exceed the bottom of ceiling. Adjust the height until a minimum of (1") of the Radiation Shield Connector project below the ceiling and tighten the support collar around the shield connector (**see Figure 16**)

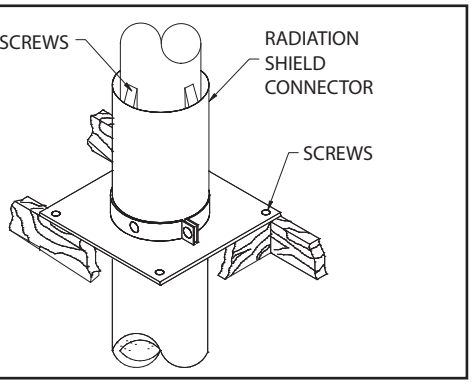


Figure 17

NOTE: If the first elbow was already installed in Step 1, proceed to Step 9.

Step 7. Stack the next chimney length on the first length. Be sure that the male and female threadsare not in line when putting the lengths together. Turn the chimney clockwise to lock it in place. You may add a 1/2 in stainless steel self tapping screw to prevent accidental unlocking.When you reachthe height at which the elbow will be installed:

Step 8. Install the insulated offset elbow on the vertical chimney length. Turn it in the required direction and fasten it to the chimney with the (4)-1/2" metal screws provided.

Step 9. Place the required offset chimney length (**see Table 13**) on the elbow. Turn it clockwise to lock it in place.

Step 10. Use another elbow to turn the chimney vertically. Again secure the elbow to the chimney length using the (4)-1/2" metal screws.

- Attach a spacer spring around the chimney at each elbow to help keep the Flexible Shield centered. (**See Figure 17**).

Step 11. Slide the Flexible Shield up the chimney and attach it below the ceiling to the Radiation Shield Connector using (3) - 1/2" self tapping metal screws.

NOTE: If additional shield length is needed, two or more flex shields can be connected, or by using an additional Swivel Adaptor (RSSAD-3) between both Flexible Shield (FLRS-3).

NOTE: If you are limited in space to be able to fix the screws that fix the FLEX (FLRS-3) to the Radiation Shield Connector, install a Swivel Adaptor (RSSAD-3). (See **Figure 17**) below the Shield Connector (RSC-3) and one on the top end of the Flexible Shield.

Step 12. From the attic, feed the subsequent pipe Lengths through the Radiation Shield Connector (RSC-3) down to the top elbow. Rotate each length clockwise to secure on the Elbow.

Step 13. Fix the Radiation Shield Connector (RSC-3) tothe chimney.

Step 14. A Storm Collar (SC) must be install on top of Radiation Shield Connector (RSC-3) to prevent any loose insulation from falling in the area between the chimney and the support.

For Unenclosed installation or venting of oil or gas appliances:

Step 1. Put the first chimney length in the support. Turn it clockwise to lock it in place. Stack the next chimney length on the first length. Be sure that the male and female threads are not in line when putting the lengths together. Turn the chimney clockwise to lock it in place. You may add a 1/2" stainless steel self tapping screw to prevent accidental unlocking. When you reach the height at which the elbow will be install:

Step 2. Install the insulated offset elbow on the vertical chimney length. Turn it in the required direction and fasten it to the chimney with the (4)-1/2" metal screws provided.

Step 3. Place the required offset chimney length (**see Table 7**) on the elbow. Turn it clockwise to lock it in place.

Step 4. Use another elbow to turn the chimney vertically. Secure the elbow to the chimney length using the (4)-1/2" metal screws provided. Install the remaining chimney as described in the instructions for the Interior Straight installation **on Section 3.**

Step 5. Install the remaining chimney as described in the instructions for the Roof Support (**See section 6**).

INSTALLATION CALCULATIONS

Determine the offset required in view of the obstacles that must be avoided (see **Figure 16**). Refer to **Table 7** to determine the elbows required as well as the insulated length needed. If required, an adjustable length can be used to offset exact distance required.

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

5 OFFSET DEVIATION - CANADA (CONT'D)

OFFSET & RISE CHART MODEL DTC (5" - 10")

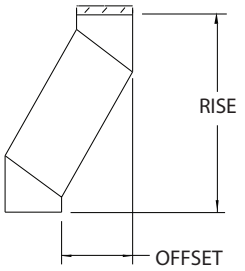


Figure 18

OFFSET & RISE CHART MODEL DTC (5", 6", 7", 8", 10")

ANGLE	DIA.	INCHES	ONE LENGTH BETWEEN ELBOWS					
			8	12	18	24	36	48
15°	5", 6", 7", 8", 10"	Offset	3-5/16	4-5/16	5-7/8	7-7/16	10-1/2	13-5/8
		Rise	15-11/16	19-9/16	25-3/8	31-3/16	42-3/4	54-3/8
30°	5", 6", 7", 8", 10"	Offset	7-7/16	9-7/16	12-7/16	15-7/16	21-7/16	27-7/16
		Rise	20	23-1/2	28-11/16	33-7/8	44-1/4	54-11/16
45° (Canada Only)	5", 6", 7", 8", 10"	Offset	10-5/16	13-3/16	17-3/8	21-5/8	30-1/8	38-5/8
		Rise	17-13/16	20-5/8	24-7/8	29-1/8	37-5/8	46-1/8

ANGLE	DIA.	INCHES	TWO LENGTHS BETWEEN ELBOWS					
			8 & 48	12 & 48	18 & 48	24 &48	36 & 48	48 & 48
15°	5", 6", 7", 8", 10"	Offset	15-3/8	16-7/16	18	19-1/2	22-5/8	25-3/4
		Rise	60-15/16	64-13/16	70-9/16	76-3/8	87	99-9/16
30°	5", 6", 7", 8", 10"	Offset	30-13/16	32-13/16	35-13/16	38-13/16	44-13/16	50-13/16
		Rise	60-9/16	64	69-1/4	74-7/16	84-13/16	95-1/4
45° (Canada Only)	5", 6", 7", 8", 10"	Offset	43-7/16	46-1/4	50-1/2	54-3/4	63-1/4	71-11/16
		Rise	50-15/16	53-3/4	58	62-1/4	70-3/4	79-3/16

Table 7

Note: All dimensions are in inches.

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

5 OFFSET DEVIATION - CANADA (CONT'D)

ROOF SUPPORT (RS)

The Roof Support has three possible uses:

It may be used to support a chimney from the roof. It adjusts to any roof pitch.

It may be used on a floor, ceiling or roof above an offset to support the chimney above the offset.

It may be used on a floor, ceiling or roof as a supplementary support when the chimney height exceeds that of the primary support. (See maximum length height supported, **Table 1)**.

CAUTION: MAKESHIFT INSTALLATION ON ROOF ASSEMBLIES CAN CAUSE A HAZARDOUS ENVIRONMENT.

I**NSTALLATION INSTRUCTIONS**

With the chimney extending through the opening in the roof, ceiling or floor proceed as follows (Refer to **Figure 20** for visual references):

Step 1. Assemble the Roof Support's Collar to fit your chimney diameter. Continue to assemble the support as described in the instructions supplied with the support.

Step 2. Slip the assembled Roof Support down over the stainless steel chimney until its brackets rest on the roof or floor. Tighten the collar around the chimney, (see **Figure 19**).

Step 3. Center the chimney and nail or screw the support to the roof or floor using (8) - 2-1/2" nails or (8) Nº. 8 - 1-1/4" wood screws. (**Figure 19**).

Step 4. Install the remaining chimney lengths, until the required chimney height is reached.

ATTENTION! Do not block the space between the flashing and the chimney. It is required to be fully open for the purpose of ventilation.

Step 5. **ROOF FLASHING INSTALLATION**

Put the roof flashing in place. Seal the joint between the roof and the flashing with roofing compound.

For sloping roofs, place the flashing under the upper shingles and on top of the lower shingles. Nail the flashing to the roof using nails. Place the storm collar around the chimney and slide down on top of the flashing. Tighten it with the bolt supplied making sure the joint is properly caulked (see **Figure 9**)

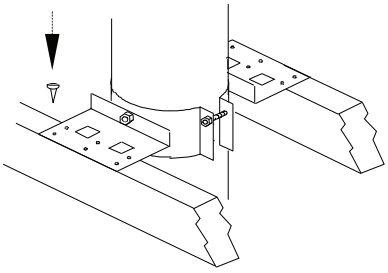


Figure 19

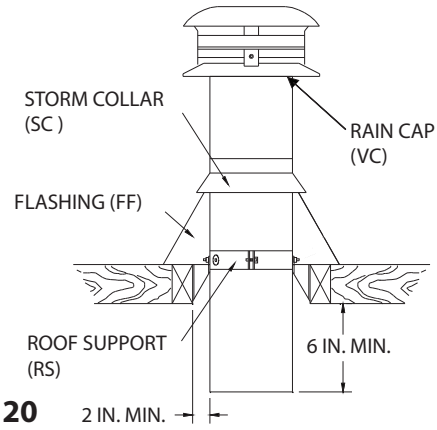


Figure 20

Step 6. For Cap installation, also refer to section CAP REMOVAL FOR MAINTENANCE.

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

6 EXTERIOR INSTALLATION - CANADA

EXTERIOR INSTALLATION INFORMATION

This chimney will provide optimum performance when installed within the heated space of a building. The consequences of installing the chimney outdoors, up the exterior wall of a building could result in:

- Back-drafting during cold weather when the connected appliance is not operating.

- Weak, unstable draft.

- Increased creosote accumulation.

- Increased potential for condensation of water vapor in the chimney flue decreased efficiency of the connected appliance.

If you do install an exterior chimney, we recommend that you enclose it using an insulated enclosure.

EXTERIOR INSTALLATION NOTES

1. Premium Shield are not approved for exterior installtion. If the chimney is to be enclosed in a chase, maintaining at least 3" to combustible allow the chimney to be enclose without the need of the Premium Shield accessories. The Wall Support and Wall Straps will need to be adjusted to 3" clearance from vertical exterior wall.

2. If the chimney is to be unenclosed, maintain a minimum of 2" clearance to combustible materials.

3. A Wall Strap or WALL SUPPORT must be used to secure the chimney to the wall when used on an unenclosed exterior wall. Maximum distance between wall bands is 8'.

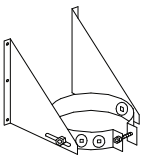
4. The horizontal chimney length passing through the wall must project a minimum of 5" and no more than 24" beyond the inside wall. Minimum projection is required to ensure appropriate clearances are maintained once stovepipe is installed.

5. If an exterior installation is to be enclosed, allow for access to base of tee to facilitate required cleaning.

- The minimum distance between the bottom of the Tee or Support and any horizontal combustible is always 2" by using an insulated tee cap (TCI).

WALL SUPPORT

When a chimney is used along a wall, this support may be used to support the chimney. The height of chimney supported is shown in supported height See **Table 1**.



RESU-2

INSTALLATION INSTRUCTIONS

Install the support as follows (see **Figure 21**):

Step 1. Assemble the collar to fit your chimney diameter. Continue to assemble the support as described in the instructions supplied with the support.

Step 2. Slip the support down over the chimney to the proper location.

Step 3. Tighten the collar around the chimney.

Step 4. Attach the support brackets to the wall using (8) 3" nails or (8) Nº. 10 x 1-1/4" wood screws.

NOTE: Be sure that the support attaches to a framing and not merely to dry wall or siding.

Step 5. Continue installing the chimney.

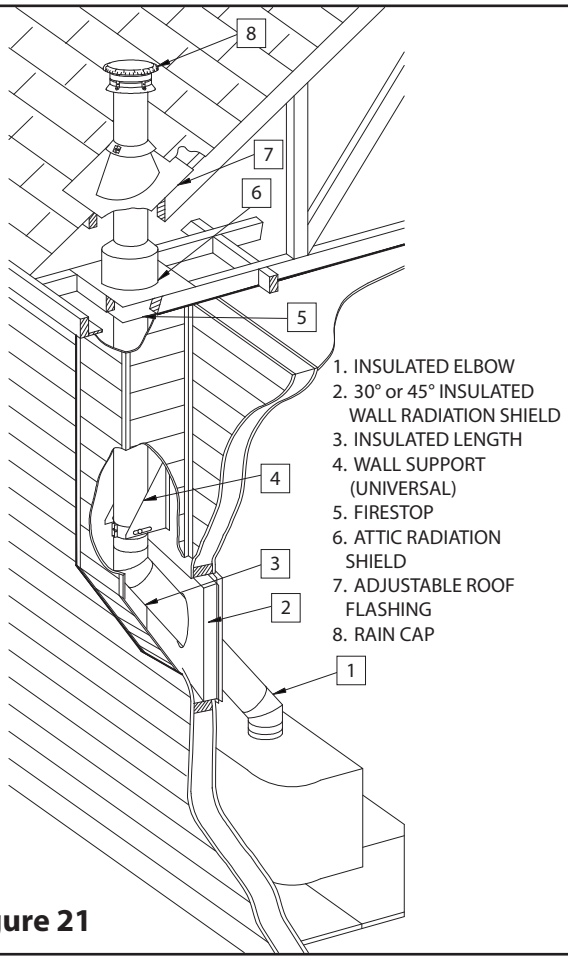


Figure 21

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

6 EXTERIOR INSTALLATION - CANADA (CONT'D)

WALL SUPPORT

See different types of Wall Support on **Figure 22**.

INSTALLATION INSTRUCTIONS

Step 1. Determine where the chimney will pass through the wall.

- For concrete walls cut an opening as per Table 8 below.
- For combustible walls cut and frame a hole as per Table 8 below, midway between the wall studs (see **Table 8** .

Normally wall studs are placed at 16" on center With the hole midway between them, the support will fasten to these studs and thus ensure a strong attachment to the wall (see **Figure 23**).

Step 2. Wood walls: Place the exterior half of the Wall Thimble (WTI-2) in the opening from the outside. Nail in place using (4) 2"nails or 1"screws. This Wall Thimble is adjustable from 7" to 12" (see **Figure 24**). Make sure the insulation pad is cut to the desired length according to the wall thickness. Place the interior half of the Wall Thimble inside the exterior half of the Wall Thimble. For a wall requiring more than 12", a shield extension can be field fabricated using galvanized sheet metal 26 gauge minimum.

Ensure the opening for the chimney to pass through is straight and level. Screw the inner thimble in place with the provided screws (see **Figure 25**).

NOTE: The cavity surrounding the wall thimble metal shield can be filled with insulation (see **Figure 25**).

CHIMNEY SIZE	OPENING SIZE	
	COMBUSTIBLE	CONCRETE
5"	11" x 11"	7-3/4"
6"	12" x 12"	8-3/4"
7"	13-3/8" x 13-3/8"	9-3/4"
8"	14-3/8" x 14-3/8"	10-3/4"
10"	16-3/8" x 16-3/8"	12-3/4"

Table 8

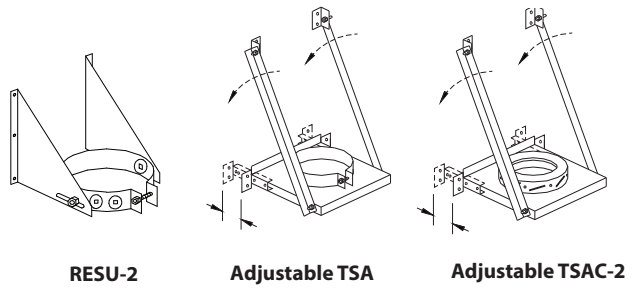


Figure 22

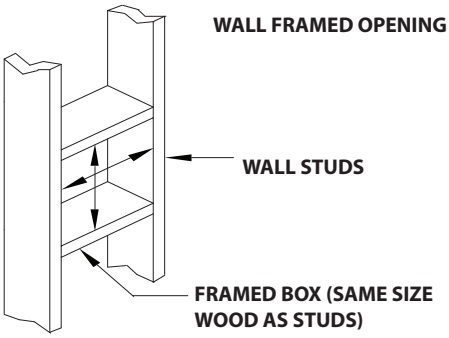


Figure 23

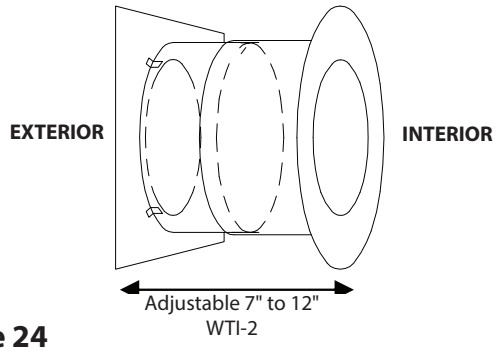


Figure 24

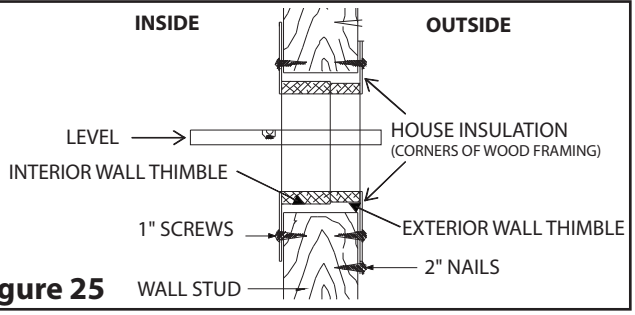


Figure 25

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

6 EXTERIOR INSTALLATION - CANADA (CONT'D)

Step 3. The minimum length of insulated chimney required to pass through the wall will be thickness plus 7". The insulated chimney must extend at least 5" into the room beyond the finished wall. Insert this chimney length in the side branch of the insulated tee. Turn it clockwise to lock it in place. Seal this joint by wrapping it with the aluminum tape supplied with the tee. Mount the insulated tee on the support so that the chimney length which will go through the wall is perpendicular to the side of the support that will fasten to the wall.

NOTE: The supports (RESU-2 or TSA) can be installed above the Tee. (See **Figure 26**).

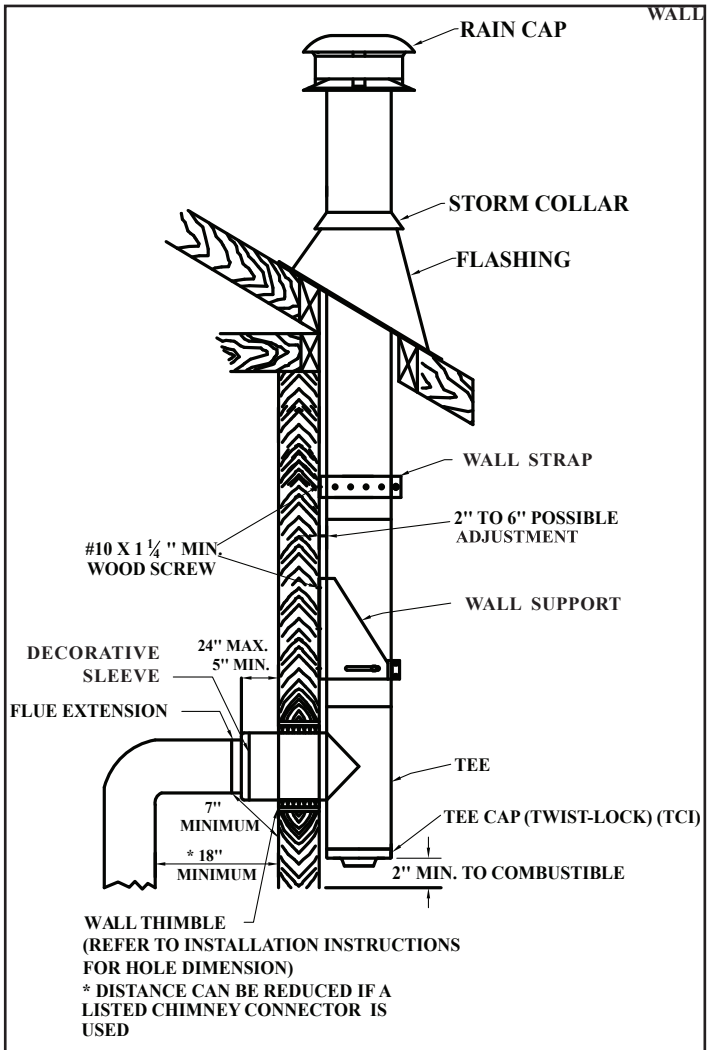


Figure 26

Step 4. This step will require 2 people: (see **Figure 26A**). Insert the chimney length of this tee-support assembly into the hole in the wall. Using a level, ensure the tee is vertical, then attach the support to the wall using (8) Nº. 10 x 1 - 1/4" wood screws or 4" spiral nails.

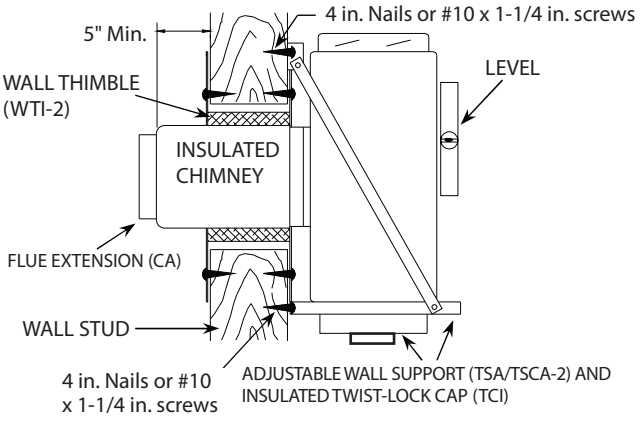


Figure 26A

NOTE: To provide sufficient strength, the nails must be driven into the wall studs. For concrete walls, the support should be attached using (8) 1/4" x 2" lag bolts.

Step 5. Attach the clean-out cap to the Tee Support or Tee.

Step 6. Attach the flue extension to the horizontal chimney length.

Step 7. Stack a chimney length on top of the Tee. Turn it clockwise to lock it in place. Continue until the required chimney height is reached.

For unenclosed installation, :

Step 8. At 8' intervals, attach the chimney to the wall using a Wall Strap or wall Support. If the chimney passes through the roof, cut a hole large enough to provide 2" clearance between the chimney and the roof. For pitch roof, See **roof opening chart on table 2 (and see FIGURE 27)**

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

6 EXTERIOR INSTALLATION - CANADA (CONT'D)

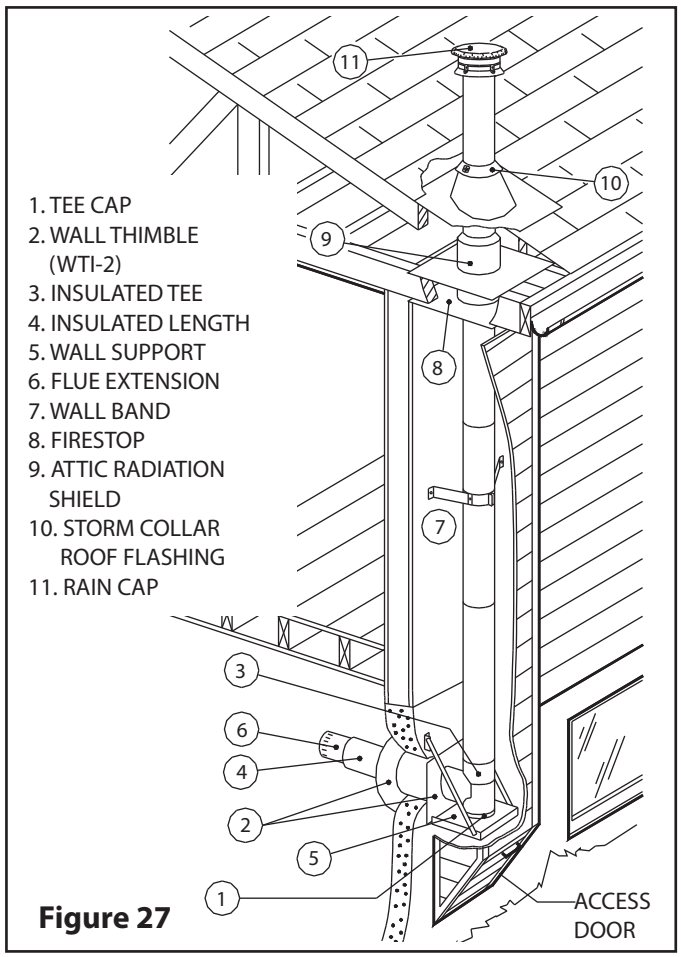


Figure 27

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

7 INTERIOR INSTALLATION ON A GAS FURNACE, BOILER, OR WATER HEATER (USA & CANADA)

Step 1. Locate the chimney in a convenient place as near as possible to the appliance outlet. Cut and frame the opening in the ceiling where the chimney will pass.

NOTE: It is important to follow the framing dimensions for the floor openings prescribed in this manual.

Refer to Table 1 for proper framing dimensions.

Step 2. From below push the support into the framed hole. Nail the support to the framed box using (12) 3" spiral nails or #8 x 1 1/2" wood screws (see **Figure 28**).

Step 3. Put this first chimney length in the support. Turn it clockwise to lock it in place.

NOTE: Arrow on pipe label must be pointing up.

Step 4. From below, install a Firestop (FS) in each floor through which the chimney passes (see **Figure 29**).

Step 5. Stack the next chimney length on the first length. Be sure that the male and female threads are not in line when putting the lengths together. Turn the chimney clockwise to lock it in place. Continue until the required chimney height is reached.

Step 6. At the attic level, install a Firestop (FS), from below and an Attic Radiation Shield (ISIA) from above (see **Figure 30**).

Step 7. (USA ONLY) Install the roof radiation shields in the roof hole framing. These shields consist of four metal plates. Nail one plate to each side of the joist using (2) 2-1/2" nails.

Step 8. Put the roof flashing in place. Seal the joint between the roof and the flashing with roofing compound.

For sloping roofs, place the flashing under the upper shingles and on top of the lower shingles. Nail the flashing to the roof using roofing nails.

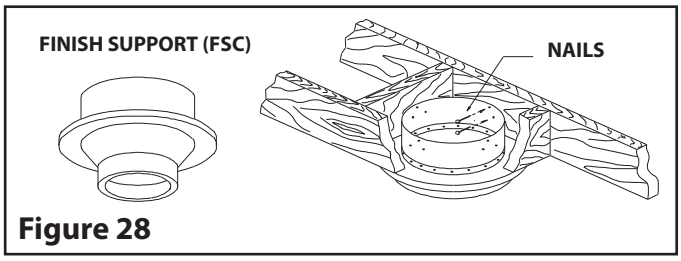


Figure 28

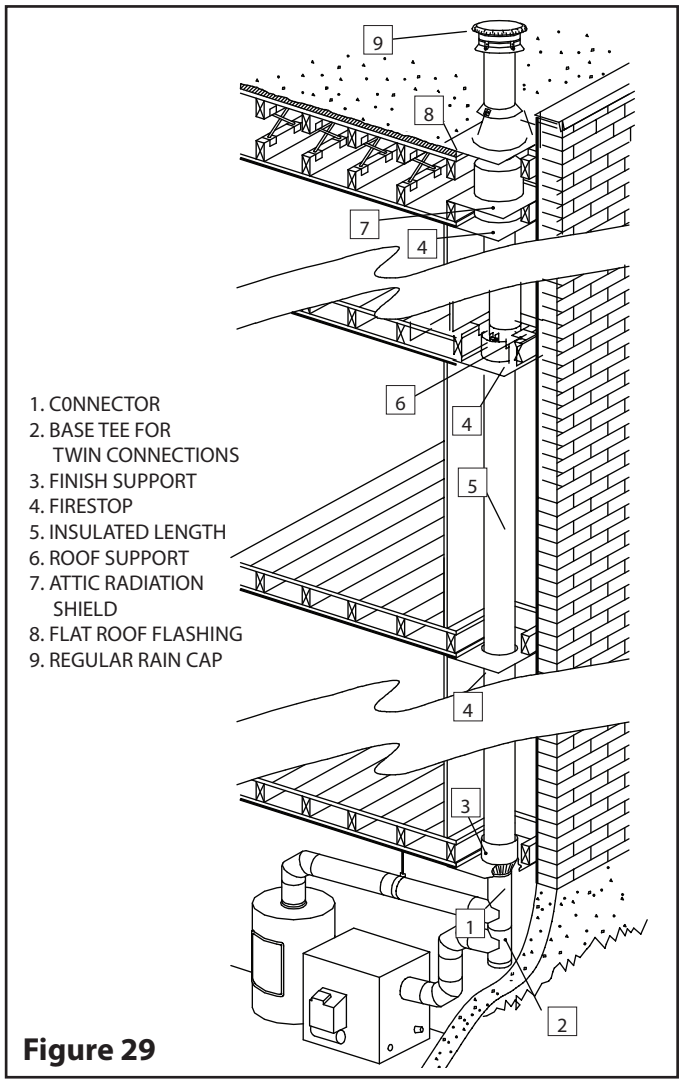


Figure 29

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

Step 9. Place the storm collar over the chimney and the flashing. Tighten it with the bolt supplied making sure the joint is properly caulked (see **Figure 31**).

Step 10: Attach the rain cap to the top of the chimney.

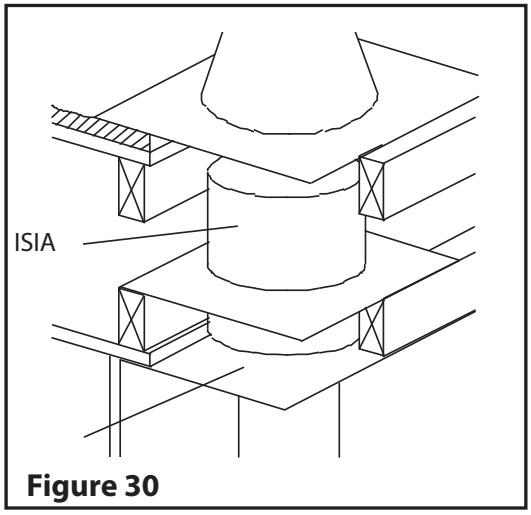


Figure 30

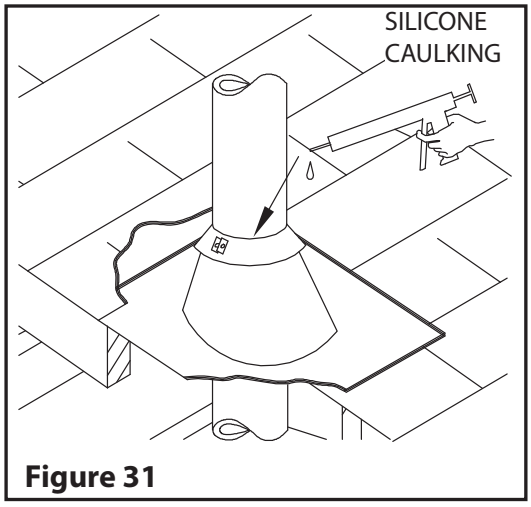


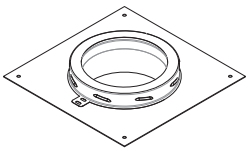
Figure 31

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

8 SPECIALIZED COMPONENTS (USA & CANADA)

ANCHOR PLATE (AP)

This support is used on a factory built fireplace or masonry fireplace to provide a positive connection to the chimney. It is not to be used in contact with any combustible material, such as on a wood floor.



AP

INSTALLATION INSTRUCTIONS

Once the appliance is installed, bolt the Anchor Plate (SP) to it (see **Figure 32**).

NOTE: To make sure that the coupler of the Anchor Plate is not spinning on it's axis, screw the tab at the position needed.

FACTORY-BUILT FIREPLACES

For chimneys installed on factory-built fireplaces, follow the installation instructions accompanying the fireplace.

INSULATED WALL RADIATION SHIELDS

These are used only with wood-burning fireplaces which have been certified for use with ASHT.

ANGLED INSULATED RADIATION SHIELD (WRSI30°/ WRSI45°)It has been designed for use when a chimney passes through a wall at an angle (see **Figure 33**). Ref **Table 9**.

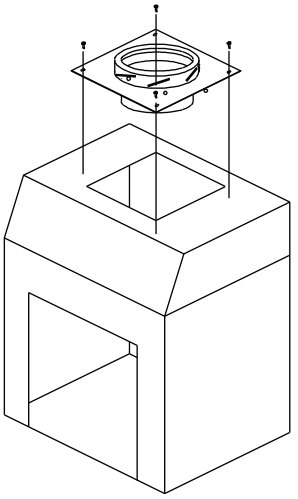


Figure 32

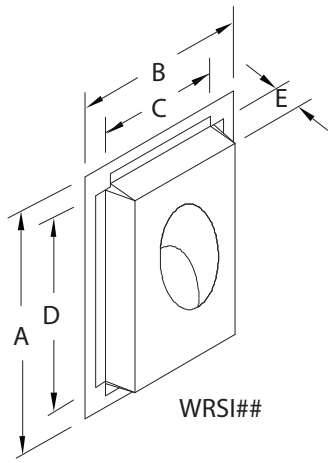


Figure 33

DIM	SIZE					
	WRSI30			WRSI45 (CANADA ONLY)		
	7″	8″	10″	7″	8″	10″
A	37-3/4	39-3/4	45-5/16	26-5/8	28	30-1/2
B	16-5/8	17-5/8	19-3/8	16-5/8	17-5/8	19-3/8
C	12-5/8	13-5/8	15-3/8	12-1/8	13-1/2	14-7/8
D	33-3/4	35-3/4	39-1/4	22-1/8	23-1/2	26
E	3	3	3	3	3	3

Table 9

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

9 REPLACEMENT PARTS









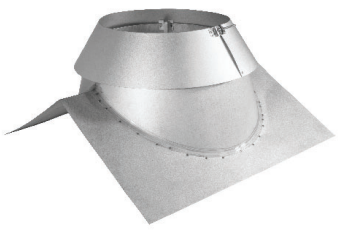
LENGTHS & FITTINGS	
DTC-08SS-3	LENGTH Ø" X 8"
DTC-12SS-3	LENGTH Ø" X 12"
DTC-18SS-3	LENGTH Ø" X 18"
DTC-24SS-3	LENGTH Ø" X 24"
DTC-36SS-3	LENGTH Ø" X 36"
DTC-48SS-3	LENGTH Ø" X 48"
DTC-12TASS-3	ADJUSTABLE LENGTH, 12"
DTC-TSS-3	TEE WITH TEE CAP (TWIST LOCK)
DTC-TCI	INSULATED TEE CAP (TWIST LOCK)
DTC-E15SS-3	INSULATED ELBOW 15 DEGREE
DTC-E30SS-3	INSULATED ELBOW 30 DEGREE
DTC-E45SS-3	INSULATED ELBOW 45 DEGREE
SUPPORTS	
DTC-CS24	SQUARE CATHEDRAL SUPPORT 24''
DTC-CSE24	SQUARE SUPPORT EXTENSION 24''
DTC-FSC	FINISHING SUPPORT W/COUPLER
DTC-FSCR	FINISHING SUPPORT W/COUPLER WITH REMOVABLE COLLAR
DTC-RCS	REDUCE CLEAR. SUPPORT INS. 24''
DTC-SE	SQUARE SUPPORT EXTENSION 24''

9 REPLACEMENT PARTS





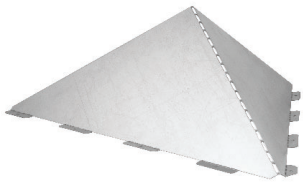




DTC-TSA	ADJUSTABLE TEE SUPPORT
DTC-RESU-2	OFFSET / WALL SUPPORT
DTC-RS	ROOF SUPPORT
DTC-FSP	FLOOR SUPPORT
DTC-AP	ANCHOR PLATE
	BRACES & FIRESTOPS
DTC-FS	FIRESTOP
DTC-FS30	ANGLED FIRESTOP - 30 DEGREE
DTC-FS45	ANGLED FIRESTOP - 45 DEGREE
DTC-FRS	RADIATION SHIELD
DTC-SRSE	PASS-THROUGH RAD. SHIELD (INSULATED CHIMNEY)
DTC-ISIA	ADJUSTABLE INSULATED ATTIC RADIATION SHIELD
DTC-FSI	INSULATED RADIATION SHIELD
DTC-WTI-2	INSULATED WALL THIMBLE
DTC-CA	FLUE EXTENSION
DTC-WRSI30	INSULATED WALL RADIATION SHIELD - 30 DEGREE
DTC-WRSI45	INSULATED WALL THIMBLE - 45 DEGREE
DTC-XRB	UNIVERSAL ROOF BRACE
DTC-WSU-2	UNIVERSAL WALL BAND
DTC-GWB	GUY WIRE BAND (WIRE NOT INCLUDED)
	VENTED FLASHING (STORM COLLAR INCLUDED)
DTC-FF	FLAT ROOF FLASHING
DTC-F7	ADJUSTABLE ROOF FLASHING 1/12 -7/12

9 REPLACEMENT PARTS











DTC-F12	ADJUSTABLE ROOF FLASHING 8/12 -12/12
DTC-F21	ADJUSTABLE ROOF FLASHING 12/12 -21/12
DTC-FP7	PEAK ROOF FLASHING 1/12 -7/12
DTC-FP12	PEAK ROOF FLASHING 8/12 -12/12
DTC-F7DSA	ADJUSTABLE ROOF FLASHING 1/12 TO 7/12, ALUMINUM MALLEABLE
DTC-F12D-SA	ADJUSTABLE ROOF FLASHING 8/12 TO 12/12, ALUMINUM MALLEABLE
DTC-SC	STORM COLLAR
SP	FLASHING SNOW DIVERTER
	OTHERS
DTC-VC	RAIN CAP
SA	UNIVERSAL SPARK ARRESTER BAND
DTC-DC	DTC DECORATIVE COLLAR, SINGLE-WALL STOVE PIPE
DTC-DVL	DTC DECORATIVE COLLAR, DOUBLE-WALL STOVE PIPE
DTC-TC	DECORATIVE TRIM
ØTRLRS-3	TELESCOPIC RIGID LENGTH RADIATION SHIELD
ØFLRS-3	FLEXIBLE LENGTH RADIATION SHIELD
ØRSSC-3	RADIATION SHIELD SUPPORT CONNECTOR
ØRSFC-3	RADIATION SHIELD FIRESTOP CONNECTOR
ØRSC-3	RADIATION SHIELD CONNECTOR
ØRSSAD-3	RADIATION SHIELD SWIVEL ADAPTOR
	INSTALLATION KITS
DTC-WSK-2	WALL SUPPORT KIT (INCLUDES: 1 OF EACH TCI, WTI-2 , TSS-2, CA, DVL, WSU-2, RESU-2, VC)
DTC-KINC-2	INTERIOR KIT NEW CONSTRUCTION (INCLUDES: 1 OF EACH FSC, ISIA, VC)

To order a replacement part, please reach out to your nearest dealer, distributor, or to security.customer.service@duraventgroup.com

WARRANTY

This product has a limited lifetime warranty. Please read the warranty to be familiar with its coverage.

Retain this manual. File it with your other documents for future reference.

PRODUCT REFERENCE INFORMATION

Please contact Security Chimneys International for the phone number of your nearest Security Chimneys International dealer who will answer your questions or address your concerns.

Normally, all parts should be ordered through your Security Chimneys International distributor or dealer. Parts will be shipped at prevailing prices at time of order.

When ordering repair parts, always give the following information:

1. The model number of the vent system.
2. The part number.
3. The description of the part.
4. The quantity required.
5. The installation date of the chimney system.

If you encounter any problems or have any questions concerning the installation or application of this system, please contact your dealer.

DURAVENT Inc.
877 Cotting Court, Vacaville, CA 95688
800-835-4429
Visit us at www.DuraVent.com

duravent™
GROUP
800-835-4429 | www.duravent.

Duravent reserves the right to make changes at any time, without notice, in design, materials, specifications, prices.

Consult your local distributor for chimney system code information.

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