

HOTYU-6

David Timberlake, P.E.  
Chairman



Mary Fallin  
Governor

## Oklahoma Uniform Building Code Commission

### PUBLIC COMMENT FORM FOR THE ADOPTION OF BUILDING/CONSTRUCTION CODES PROPOSED CHANGE TO THE INTERNATIONAL RESIDENTIAL CODE®

**INSTRUCTIONS:** Please type or print clearly. Form must be signed. Any form not signed or filled out completely, may not be considered. Each requested change must be on a separate form.

1. **Submitters Contact Information:**

Name: David Goetzcke

Date: 04/13/15

Company: City of Broken Arrow

Address: 220 S. 1<sup>st</sup> St.

City: Broken Arrow

State: OK

Zip: 74013

Phone: 918 259-2400

Ext.5378

Fax: 918 258-4998

Email: dgoetzcke@brokenarrowok.gov

2. Do you feel this proposed change will increase the cost of construction?  Yes  No

3. Which area of the code needs revision?

Section: M 315.2 Table: \_\_\_\_\_ Figure: \_\_\_\_\_ Page No: 68

4. Please check the appropriate box:

Revise as follows  Delete as follows  Add new text as follows  Delete with substitute

Show the proposed NEW, REVISED, OR DELETED TEXT in legislative format, (line through text to be deleted and underline text to be added or revised).

~~R315.2.2 Exception #2. Installation, alterations or repairs of plumbing or mechanical systems are exempt from the requirements of this section.~~

Supporting information: State purpose and reason for the change and provide substantiation to support proposed change.

The equipment being addressed under plumbing, fuel gas and mechanical permits are the most likely to need a carbon monoxide detector installed to protect the residents. All of the other requirements and exceptions would still apply.

5. Signature: \_\_\_\_\_

Send completed "Public Comment Form" to:

Oklahoma Uniform Building Code Commission, PO Box 12540, Oklahoma City, OK 73157

Email to: [Shawnta.Mitchell@oubcc.ok.gov](mailto:Shawnta.Mitchell@oubcc.ok.gov) or Fax to: 405-521-6504

FGMP-6  
revised

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1. **Submitters Contact Information:**

Name: Frederick Blalock Date: 4/21/2015  
Company: \_\_\_\_\_  
Address: 9401 Sandy circle  
City: Choctaw State: Oklahoma Zip: 73020  
Phone: 405-249-5856 Ext: \_\_\_\_\_ Fax: \_\_\_\_\_  
Email: fblalock@cityofyukonok.gov

2. Do you feel this proposed change will increase the cost of construction?  Yes  No

3. Which are of the code needs revision?

Section: R315.2.2 Exception 2 Table: \_\_\_\_\_ Figure: \_\_\_\_\_ Page No: 68

4. Please check the appropriate box:

Revise as follows  Delete as follows  Add new text as follows  Delete with substitute

Show the proposed **NEW, REVISED, OR DELETED TEXT** in legislative format, (line through text to be deleted and underline text to be added or revised).

Exception: 2  
~~Installation~~, alterations or repairs of plumbing or mechanical systems are exempt from the requirements of this section.

Supporting information: State purpose and reason for the change and provide substantiation to support proposed change.

Installations are permitted and regulated by inspections. Alterations and repairs are not usually permitted.

5. Signature:

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Oklahoma Uniform Building Code Commission, PO Box 12540, Oklahoma City, OK 73157  
Email to: Shawnta.Mitchell@oubcc.ok.gov or Fax to: 405-521-6504

FGIMP-24

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**INSTRUCTIONS:** Please type or print clearly. Form must be signed. Any form not signed or filled out completely, may not be considered. Each requested change must be on a separate form.

**1. Submitters Contact Information:**

Name: John L. Harrod Date: September 17, 2015  
Company: Retired  
Address: 3700 Valley Creek Road  
City: Edmond State: OK Zip: 73034  
Phone: 405 -- 206-8341 Ext: \_\_\_\_\_ Fax: \_\_\_\_\_  
Email: John.L.Harrod@gmail.com

2. Do you feel this proposed change will increase the cost of construction?  Yes  No

**3. Which are of the code needs revision?**

Section: NI101.14 Table: \_\_\_\_\_ Figure: \_\_\_\_\_ Page No: 455

**4. Please check the appropriate box:**

Revise as follows  Delete as follows  Add new text as follows  Delete with substitute

Show the proposed **NEW, REVISED, OR DELETED TEXT** in legislative format, (line through text to be deleted and underline text to be added or revised).

Retain this section. See attached.

**Supporting information:** State purpose and reason for the change and provide substantiation to support proposed change.

This section provides protection to the homeowner by requiring the builder or registered design professional to post documentation as to the energy efficiency standard to which the home was built. Requiring this documentation does not add any additional requirements above those outlined elsewhere in the code; however, it is evidence of the construction, which building inspectors, realtors and lenders can utilize in valuing the home in the future.

5. Signature:

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Email to: [Shawnta.Mitchell@oubcc.ok.gov](mailto:Shawnta.Mitchell@oubcc.ok.gov) or Fax to: 405-521-6504

**N1101.14 (R401.3) Certificate (Mandatory).** A permanent certificate shall be completed by the builder or registered design professional and posted on a wall in the space where the furnace is located, a utility room or an approved location inside the building. Where located on an electrical panel, the certificate shall not cover or obstruct the visibility of the circuit directory label, service disconnect label, or other required labels. The certificate shall list the predominant R-values of insulation installed in or on ceiling/roof, walls, foundations (slab, basement wall, crawl space wall and/or floor) and ducts outside conditioned spaces; U-factors for fenestration and solar heat gain coefficient (SHGC) of fenestration and the results from any required duct system and building envelope air leakage testing done on the building. Where there is more than one value for each component, the certificate shall list the value covering the largest area. The certificate shall list the types and efficiencies of heating, cooling and service water heating equipment. Where a gas-fired unvented room heater, electric furnace, or baseboard electric heater is installed in the residence, the certificate shall list "gas-fired unvented room heater," "electric furnace" or "baseboard electric heater" as appropriate. An efficiency shall not be listed for gas-fired unvented room heaters, electric furnaces or electric baseboard heaters.

FG/117-17  
B-50

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1. **Submitters Contact Information:**

Name: Todd Booze Date: 8/1/15  
Company: OUBCC Technical Committee  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_ Ext: \_\_\_\_\_ Fax: \_\_\_\_\_  
Email: \_\_\_\_\_

2. Do you feel this proposed change will increase the cost of construction?  Yes  No

3. Which are of the code needs revision?

Section: NI103.2.2 Table: \_\_\_\_\_ Figure: \_\_\_\_\_ Page No: No project exist

4. Please check the appropriate box:

Revise as follows  Delete as follows  Add new text as follows  
 Delete with substitute

Show the proposed **NEW, REVISED, OR DELETED TEXT** in legislative format, (line through text to be deleted and underline text to be added or revised).

Add Text section NI 103.2.2 SEALING:  
Ducts, air handlers, filter boxes and building cavities used as ducts shall be sealed. Joints and seams shall comply with Section MI 601.4. For Duct systems with sheet metal plenums, Y's and supply boots only liquid applied sealants (Mastic or similar) shall be used to seal inner liners and start collars to plenum and any other seams in system. Duct tightness shall be verified by either of the following:

Supporting information State purpose and reason for the change and provide substantiation to support proposed change.

This text is being added to require a liquid sealant of metal connections of the supply and return duct distribution system because it is the only effective and long lasting way to ensure the HVAC system duct leakage can be reduced to acceptable levels to comply with the 2009 IRC Chapter 11. It has been found that duct tapes over time lose their adhesives in the attic space where exposed to high temperatures and are difficult to get wrapped properly with the inner liner of the insulated ducts. Cost impacts are minimal if compared to the proper installation using duct tape products and proper execution is rarely achieved in use of those products and life expectancy of duct tapes is not acceptable.

FGMP-23

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**INSTRUCTIONS:** Please type or print clearly. Form must be signed. Any form not signed or filled out completely, may not be considered. Each requested change must be on a separate form.

**1. Submitters Contact Information:**

Name: Judson Collins Date: 09-30-15  
Company: JULYCO  
Address: 35918 Stone Creek Place  
City: Mannford State: OK Zip: 74044-3297  
Phone: 918-865-5689 Ext: \_\_\_\_\_ Fax: \_\_\_\_\_  
Email: julyco@att.net

2. Do you feel this proposed change will increase the cost of construction?  Yes  No

**3. Which are of the code needs revision?**

Section: R313 & P2904 Table: \_\_\_\_\_ Figure: \_\_\_\_\_ Page No: 67, 613-623

**4. Please check the appropriate box:**

Revise as follows  Delete as follows  Add new text as follows  Delete with substitute

Show the proposed NEW, REVISED, OR DELETED TEXT in legislative format, (line through text to be deleted and underline text to be added or revised).

SEE ATTACHED!

**Supporting information: State purpose and reason for the change and provide substantiation to support proposed change.**

This is a revision of FGMP 22 submitted by Mark Sipe. He proposed moving P2904 to an appendix to allow each local jurisdiction to choose if they want to include the fire sprinkler provisions in the code or work with their local stakeholders to develop mutually agreeable requirements.

5. Signature: Judson Collins

Send completed "Public Comment Form" to:  
Oklahoma Uniform Building Code Commission, PO Box 12540, Oklahoma City, OK 73157  
Email to: [Shawnta.Mitchell@oubcc.ok.gov](mailto:Shawnta.Mitchell@oubcc.ok.gov) or Fax to: 405-521-6504

Revise SECTION R313, AUTOMATIC FIRE SPRINKLER SYSTEMS as follows;

Move all language in Section R313 to an appendix and replace it with the following;

**R313.1 Townhouse automatic fire sprinkler systems.** Where required by the Authority Having Jurisdiction, an automatic residential fire sprinkler system shall be installed in *townhouses* as required in Appendix ???.

**R313.2 One- and two-family dwelling automatic fire sprinkler systems.** Where required by the Authority Having Jurisdiction, an automatic residential fire sprinkler system shall be installed in *one- and two-family dwellings* as required in Appendix ???.

Revise SECTION P2904, DWELLING UNIT FIRE SPRINKLER SYSTEMS as follows;

Move all language in Section P2904 to an appendix???

FOMC 28

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1. **Submitters Contact Information:**

Name: Judson Collins Date: 10-06-2015  
Company: JULYCO  
Address: 35918 Stone Creek Place  
City: Mannford State: OK Zip: 74044-3297  
Phone: 918-865-5689 Ext: \_\_\_\_\_ Fax: \_\_\_\_\_  
Email: julyco@att.net

2. Do you feel this proposed change will increase the cost of construction?  Yes  No

3. **Which are of the code needs revision?**

Section: N1103.3.2 Table: \_\_\_\_\_ Figure: \_\_\_\_\_ Page No: \_\_\_\_\_

4. **Please check the appropriate box:**

Revise as follows  Delete as follows  Add new text as follows  Delete with substitute

Show the proposed **NEW, REVISED, OR DELETED TEXT** in legislative format, (line through text to be deleted and underline text to be added or revised).

See attached!

**Supporting information:** State purpose and reason for the change and provide substantiation to support proposed change.

Current proposed language puts an exception before the two methods. That is not a common code format. This proposed language is common code format and makes the text more understandable.

5. Signature: Judson Collins

Send completed "Public Comment Form" to:  
Oklahoma Uniform Building Code Commission, PO Box 12540, Oklahoma City, OK 73157  
Email to: Sigwan.Mitchell@oubc.org or Fax to: 405-521-6504

IRC 2015

N1103.3.2

#1

Move Exception 1 behind the two methods for verifying duct tightness.

Amend exception 1 as follows;

(No changes to text in method 1 or 2)

Exceptions 1: ~~Visual Inspection Verification by an approved party or the Authority Having Jurisdiction or an approved party may be used instead~~ is permitted in lieu of the rough-in and post construction test.

Exception 2: (No changes to text.)

---

#2

**N1103.3.2 (R403.3.2) Sealing (Mandatory).** Ducts, air handlers, and filter boxes and building cavities used as ducts shall be sealed. Joints and seams shall comply with either the International Mechanical Code or M1601.1.4.1 of this code, as applicable. Duct tightness shall be verified by one of the following:

1.

2.

3. Visual verification by the Authority Having Jurisdiction or an approved agency.

FCMP-27

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1. **Submitters Contact Information:**

Name: John L. Harrod Date: October 2, 2015  
Company: Retired  
Address: 3700 Valley Creek Road  
City: Edmond State: OK Zip: 73034  
Phone: 405 - 206-8341 Ext: \_\_\_\_\_ Fax: \_\_\_\_\_  
Email: John.L.Harrod@gmail.com

2. Do you feel this proposed change will increase the cost of construction?  Yes  No

3. Which are of the code needs revision?

Section: N1103.4 Table: \_\_\_\_\_ Figure: \_\_\_\_\_ Page No: 462

4. Please check the appropriate box:

Revise as follows  Delete as follows  Add new text as follows  Delete with substitute

Show the proposed **NEW, REVISED, OR DELETED TEXT** in legislative format, (line through text to be deleted and underline text to be added or revised).

RETAIN SECTIONS: N1103.4.1 through N1103.5.3 with modifications a noted on following page.

Supporting information: State purpose and reason for the change and provide substantiation to support proposed change.

The current proposed deletion of Chapter 11 paragraphs relating to heated water systems, require reference to the 2015 IECC for only items relating to these systems. By making a few amendments to this section, confusion of the contractors and inspectors can be avoided.

5. Signature:

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**N1103.4.1 (R403.4.1) Protection of piping insulation.** Piping insulation exposed to weather shall be protected from damage, including that caused by sunlight, moisture, equipment maintenance and wind, and shall provide shielding from solar radiation that can cause degradation of the material. Adhesive tape shall not be permitted.

**N1103.5 (R403.5) Service hot water systems.** Energy conservation measures for service hot water systems shall be in accordance with Sections N1103.5.1 and N1103.5.4.

**N1103.5.1 (R403.5.1) Heated water circulation and temperature maintenance systems (Mandatory).** Heated water circulation systems shall be in accordance with Section R1103.5.1.1. Heat trace temperature maintenance systems shall be in accordance with Section R1103.5.1.2. Automatic controls, temperature sensors and pumps shall be accessible. Manual controls shall be readily accessible. Heated circulating water systems shall include a readily accessible manual switch that can turn off the circulating pump when the system is not in use.

**N1103.5.1.1 (R403.5.1.1) Circulation systems.** Heated water circulation systems shall be provided with a circulation pump. The system return pipe shall be a dedicated return pipe or a cold water supply pipe. Gravity and thermo-syphon circulation systems shall be prohibited. Controls for circulating hot water system pumps shall start the pump based on the identification of a demand for hot water within the occupancy. The controls shall automatically turn off the pump when the water in the circulation loop is at the desired temperature and when there is no demand for hot water.

**N1103.5.1.2 (R403.5.1.2) Heat trace systems.** Electric heat trace systems shall comply with IEEE 515.1 or UL 515. Controls for such systems shall automatically adjust the energy input to the heat tracing to maintain the desired water temperature in the piping in accordance with the times when heated water is used in the occupancy.

**N1103.5.2 (R403.5.2) Demand recirculation systems.** A water distribution system having one or more recirculation pumps that pump water from a heated water supply pipe back to the heated water source through a cold water supply pipe shall be a demand recirculation water system. Pumps shall have controls that comply with both of the following:

1. The control shall start the pump upon receiving a signal from the action of a user of a fixture or appliance, sensing the presence of a user of a fixture or sensing the flow of hot or tempered water to a fixture fitting or appliance.
2. The control shall limit the temperature of the water entering the cold water piping to 104°F (40°C).

**N1103.5.3 (R403.5.3) Hot water pipe insulation—(Prescriptive).** Insulation for hot water pipe with a minimum thermal resistance (R-value) of R-3 shall be applied to the following:

1. Piping  $\frac{1}{2}$  inch (25 mm) and larger in nominal diameter.
2. Piping serving more than one dwelling unit.
3. Piping located outside the conditioned space.
4. Piping from the water heater to a distribution manifold.
5. Piping located under a floor slab.
6. Buried in piping.
7. Supply and return piping in recirculation systems other than demand recirculation systems.

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Chairman



Received  
MAR 19 2015  
Mary Fallin  
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Uniform Building  
Code Commission

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Name: David Goetzcke

Date: 03/19/15

Company: City of Broken Arrow

Address: 220 S. 1<sup>st</sup> St.

City: Broken Arrow

State: OK

Zip: 74013

Phone: 918 259-2400

Ext. 5378

Fax: 918 258-4998

Email: dgoetzcke@brokenarrowok.gov

2. Do you feel this proposed change will increase the cost of construction?  Yes  No

**3. Which area of the code needs revision?**

Section: M 1502.3

Table: \_\_\_\_\_

Figure: \_\_\_\_\_

Page No: 485

**4. Please check the appropriate box:**

Revise as follows  Delete as follows  Add new text as follows  Delete with substitute

Show the proposed **NEW, REVISED, OR DELETED TEXT** in legislative format, (line through text to be deleted and underline text to be added or revised).

If the manufacturer's instructions do not specify a termination location, or are not available at time of installation, the exhaust duct shall terminate not less than 3 feet (914mm) in any direction from openings into buildings nor less than 12 inches from finished ground level or other obstruction.

Supporting information: State purpose and reason for the change and provide substantiation to support proposed change.

Please see 3 attached manufacturer's installation instructions requiring a 12 inch clearance which may not be available when dryer is installed or changed without this requirement in the code.

5. Signature: \_\_\_\_\_

Send completed "Public Comment Form" to:  
Oklahoma Uniform Building Code Commission, PO Box 12540, Oklahoma City, OK 73157  
Email to: [Shawnta.Mitchell@oubcc.ok.gov](mailto:Shawnta.Mitchell@oubcc.ok.gov) or Fax to: 405-521-6504

# WHIRLPOOL

## Rigid metal vent:

- Recommended for best drying performance and to avoid crushing and kinking.

## Flexible metal vent: (Acceptable only if accessible to clean)

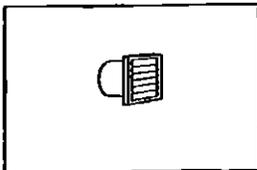
- Must be fully extended and supported in final dryer location.
- Remove excess to avoid sagging and kinking that may result in reduced airflow and poor performance.
- Do not install in enclosed walls, ceilings, or floors.
- The total length should not exceed 7<sup>3</sup>/<sub>4</sub> ft. (2.4 m).
- The length of flexible metal vent used must be included in the overall vent system design as shown in the "Vent System Charts."

**NOTE:** If using an existing vent system, clean lint from entire length of the system and make sure exhaust hood is not plugged with lint. Replace plastic or metal foil vents with rigid metal or flexible metal vents. Review "Vent System Charts" and if necessary, modify existing vent system to achieve best drying performance.

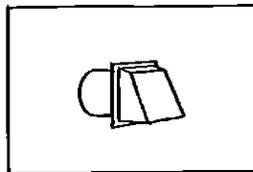
## Exhaust hoods:

- An exhaust hood should cap the vent to keep rodents and insects from entering the home.
- Must be at least 12" (305 mm) from ground or any object that may obstruct exhaust (such as flowers, rocks, bushes, or snow).
- Do not use an exhaust hood with a magnetic latch.

### Recommended Styles:

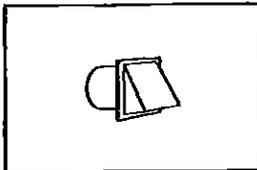


Louvered Hood



Box Hood

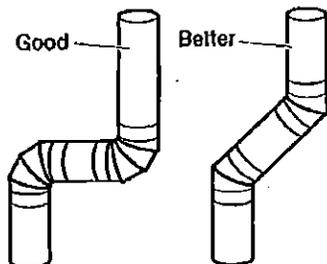
### Acceptable Style:



Angled Hood

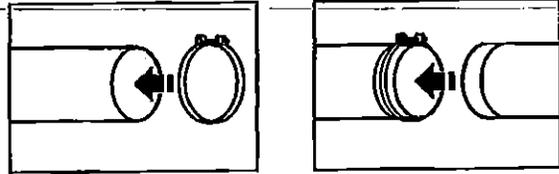
## Elbows:

- 45° elbows provide better airflow than 90° elbows.



## Clamps:

- Use clamps to seal all joints.
- Exhaust vent must not be connected or secured with screws or other fastening devices that extend into interior of duct and catch lint. Do not use duct tape.



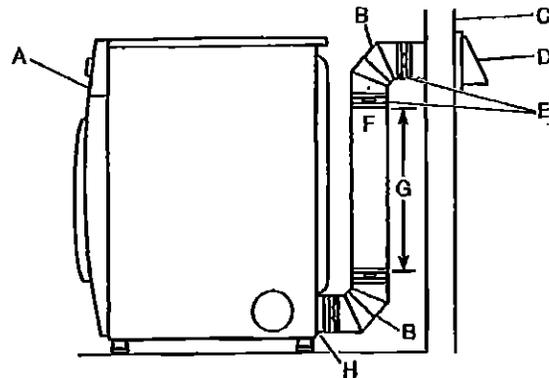
**Improper venting can cause moisture and lint to collect indoors, which may result in:**

- Moisture damage to woodwork, furniture, paint, wallpaper, carpets, etc.
- Housecleaning problems and health problems.

## Plan Vent System

### Choose your exhaust installation type

### Recommended exhaust installation:

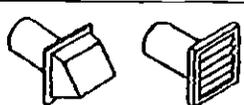


- |                 |  |
|-----------------|--|
| A. Dryer        | E. Clamps                                  |
| B. Elbow        | F. Rigid metal or flexible metal vent      |
| C. Wall         | G. Vent length necessary to connect elbows |
| D. Exhaust hood | H. Exhaust outlet                          |

# installing your dryer

## DUCTING REQUIREMENTS

- Use a 4-inch (10.2 cm) diameter rigid aluminum or rigid galvanized steel duct.
- Do not use a smaller duct.
- Ducts larger than 4 inches (10.2 cm) in diameter can result in increased lint accumulation. Lint accumulation should be cleaned regularly.
- If a flexible metal duct must be used, use the type with a stiff sheet metal wall. Do not use a flexible duct with a thin foil wall. Serious blockage can result if the flexible metal duct is bent too sharply.
- Never install any type of flexible duct in walls, ceilings, or other concealed spaces.
- Keep the exhaust duct as straight and short as possible.
- Secure joints with duct tape. Do not use screws.
- DO NOT EXHAUST DRYER INTO ANY WALL, CEILING, CRAWL SPACE, OR CONCEALED SPACE OF A BUILDING, GAS VENT, OR ANY OTHER COMMON DUCT OR CHIMNEY. THIS COULD CREATE A FIRE HAZARD FROM LINT EXPELLED BY THE DRYER.
- Plastic flexible duct can kink, sag, be punctured, reduce airflow, extend drying times, and affect dryer operation.
- Exhaust systems longer than recommended can extend drying times, affect machine operation, and may collect lint.
- The exhaust duct should end with an exhaust hood with a swing-out damper to prevent back drafts and entry of wildlife. Never use an exhaust hood with a magnetic damper.
- The hood should have at least 12 inches (30.5 cm) of clearance between the bottom of the hood and the ground or other obstruction. The hood opening should point down.
- Never install a screen over the exhaust outlet.
- To avoid lint buildup, do not exhaust the dryer directly into a window well. Do not exhaust under a house or porch.
- If exhaust ductwork must run through an unheated area, the duct should be insulated and slope slightly down towards the exhaust hood to reduce condensation and lint buildup.
- Inspect and clean the interior of the exhaust system at least once a year. Unplug the power cord before cleaning.
- Check frequently to be sure the exhaust hood damper opens and closes freely.
- Check once per month, and clean at least one time per year. Note: If clothes are not getting dry, then check ducting for obstructions.

ELECTRIC AND GAS DRYER				
Weather Hood Type				
Recommended		Use only for short-run installation		
 4" (10.16 cm)		 2.5" (6.35 cm)		
No. of 90° elbows	Rigid	Metallic Flexible*	Rigid	Metallic Flexible*
0	24.4 m (80 ft.)	12.4 m (41 ft.)	22.6 m (74 ft.)	10.1 m (33 ft.)
1	20.7 m (68 ft.)	11.2 m (37 ft.)	18.9 m (62 ft.)	8.8 m (29 ft.)
2	17.4 m (57 ft.)	10.1 m (33 ft.)	15.5 m (51 ft.)	7.6 m (25 ft.)
3	14.3 m (47 ft.)	9.0 m (29 ft.)	12.5 m (41 ft.)	6.5 m (21 ft.)

\* Do not use non-metallic flexible duct.

