

# ROOF – ROOFING - APPLICATION FORM

(Roofing and Re-Roofing work)

<b>FOR OFFICIAL USE ONLY</b>	<b>TOTAL FEE</b> _____	
PERMIT APPLICATION NO	_____	
1 —		
SUBMITTED	_____	
NOTIFIED	_____	
ZONING	_____	
WEB	www.aurora-il.org	<b>DIVISION OF BUILDING &amp; PERMITS</b> 77 S BROADWAY AURORA, ILLINOIS 60505
FAX	(630) 256-3139	
TELEPHONE	(630) 256-3130	

### LAND / PARCEL INFORMATION

**PROPERTY ADDRESS** \_\_\_\_\_

**PROPERTY OWNER & Contact Name** \_\_\_\_\_

**OWNERS ADDRESS** \_\_\_\_\_

**PHONE #** ( ) \_\_\_\_\_

**FAX #** ( ) \_\_\_\_\_

**E-MAIL** \_\_\_\_\_

**TENANT & Contact Name** \_\_\_\_\_

**ADDRESS** \_\_\_\_\_

**PHONE #** ( ) \_\_\_\_\_

**FAX #** ( ) \_\_\_\_\_

**E-MAIL** \_\_\_\_\_

### ZONING INFORMATION

<b>Zoning</b> (CHECK ONE)	<input type="checkbox"/> R-1	<input type="checkbox"/> R-2	<input type="checkbox"/> R-3	<input type="checkbox"/> PDD
<b>Classification</b>	<input type="checkbox"/> R-4	<input type="checkbox"/> R-4A	<input type="checkbox"/> R-5	<input type="checkbox"/> R-5A
	<input type="checkbox"/> B-1	<input type="checkbox"/> B-2	<input type="checkbox"/> B-3	<input type="checkbox"/> B-B
<input type="checkbox"/> <b>SPECIAL USE</b> (CHECK IF APPLICABLE)	<input type="checkbox"/> M-1	<input type="checkbox"/> M-2	<input type="checkbox"/> O	<input type="checkbox"/> ORI
	<input type="checkbox"/> DC	<input type="checkbox"/> DF	<input type="checkbox"/> RD	<input type="checkbox"/> PDD
	<input type="checkbox"/> C.O.A. Required			

### CERTIFICATION

This is an application only. Completion of this application does Not entitle the commencement of work. I understand that the approval of this application and issuance of a permit does not obviate the need to comply with all applicable laws and ordinances. I agree to hold harmless and indemnify the City of Aurora for any claim against the City as the result of any act of commission or omission by or on behalf of the undersigned, his/her agent, principle, contractor, subcontractor or supplier. I the undersigned am the Owner or a duly contracted representative of the owner of said property.

**I HAVE PERFORMED AN ATTIC INSPECTION AND HEREBY ATEST THAT CODE & MFR's ROOF VENTILATION REQUIREMENTS HAVE BEEN MET & BATHROOM EXHAUST FANS DISCHARGE OUTSIDE & MIN 1" AIR GAP EXISTS BETWEEN EAVE & RIDGE**

**ROOFING CONTRACTOR w/ State Roofing #**

CITY OF AURORA

REGISTRATION # \_\_\_\_\_

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**BUSINESS NAME** \_\_\_\_\_

**CONTACT NAME** \_\_\_\_\_

**ADDRESS** \_\_\_\_\_

**CITY, STATE ZIP** \_\_\_\_\_

N/A  **PHONE** ( ) \_\_\_\_\_ - \_\_\_\_\_

**FAX** ( ) \_\_\_\_\_ - \_\_\_\_\_

**E-MAIL** \_\_\_\_\_

**CONTRACTOR** \_\_\_\_\_ (PRINT)

**CONTRACTOR** \_\_\_\_\_ (SIGNATURE)

**OR**

**OWNER** \_\_\_\_\_ (PRINT)

**OWNER** \_\_\_\_\_ (SIGNATURE)

### BUILDING AREA

TOTAL SF OF ROOF \_\_\_\_\_ SF

### COST

[PERMIT FEES ARE A FUNCTION OF CONSTRUCTION \$]

**CONSTRUCTION COST TOTAL** \$ \_\_\_\_\_

**APPLICATION REQUIREMENTS**

Applicable Building codes are as follows (City of Aurora – Building Code and Electrical Code Amendments also apply):  
**2015 INTERNATIONAL BUILDING CODE and the following:**  
 2015 International Energy Code  
 2015 International Residential Code

SUBMITTALS TO THE BUILDING AND PERMITS DIVISION ARE INDICATED BELOW.

- A. Completed Permit application, **Including the Ventilation calculations** on the following page
- B. **Copy of the Roofing Contract**
- C. **All contractors Named on contract shall be licensed with the City of Aurora.** If the Contract is between the owner and a contractor other than the Illinois Licensed roofing sub-contractor, that other contractor shall become licensed with the City of Aurora as a General Contractor.

IF DUMPSTERS ARE TO BE SET IN THE PUBLIC RIGHT OF WAY OBTAIN A DUMPSTER PERMIT

GENERAL CONTRACTOR #	
CITY OF AURORA	
REGISTRATION #	_____ - _____
BUSINESS NAME _____	
CONTACT NAME _____	
ADDRESS _____	
CITY, STATE ZIP _____	
N/A	PHONE ( ) _____ - _____
	FAX ( ) _____ - _____
E-MAIL _____	

**GENERAL ROOFING WORK**

Solid Sheathing is required per IRC - R905.2.1.  
 Ice and water shield required from fascia to 24" inside of ext. wall.  
 Per IRC - R905.1.2  
 Ice and water shield required in valleys per IRC – R905.2.8.2  
 For roof slopes of 8 in 12 and greater, the barrier shall be applied not less than 36" measured along the roof slope from the eave edge of the building or whichever extends further. Drip edge shall be provided at eaves and rake edges of shingle roofs per IRC R905.2.8.5.

Damaged structure and structural revisions may require an engineer or an architect.  
 All demolition work shall be barricaded and removed in compliance with OSHA safety laws and all applicable hauling and dumping regulations.

ON-LINE VENTILATION CALCULATORS [OWENS CORNING](#) [GAF](#)  
 VENTILATION ARTICLE [FINE HOMEBUILDING](#)

**RE-ROOFING WORK**

WHAT STRUCTURE ARE YOU RE-ROOFING?  
 (CHECK ALL THAT APPLY)  
 HOUSE \_\_\_\_\_ DETACHED GARAGE \_\_\_\_\_ OTHER \_\_\_\_\_  
 NUMBER OF EXISTING ROOF LAYERS \_\_\_\_\_  
 (If 2 or more, existing roofing must be removed.)

REMOVING EXISTING ROOFING LAYERS?     NO    YES  
 TYPE OF ROOFING MATERIAL \_\_\_\_\_  
 DATE OF COMPLETION: \_\_\_\_\_

**IF YES TO ANY BELOW-PLAN REVIEW IS REQUIRED**

REPLACING ANY STRUCTURAL FRAMING?     NO    YES  
 CATHEDRAL CEILINGS IN RE-ROOF AREA?     NO    YES  
 UNVENTED ROOF PER R806.4?     NO    YES

Per Ventilation Calculations on following page:  

$$\boxed{\text{EXHAUST}} + \boxed{\text{INTAKE}} < \boxed{\text{NET FREE VENT AREA IN}^2 \text{ REQ'D}}$$
 NO    YES  
 IS PITCH OF ROOF LESS THAN 4/12?     NO    YES

**FEEL FREE TO PROVIDE MANUFACTURER'S CUT SHEETS TO DEMONSTRATE THAT ROOFING MATERIALS OR VENTILATION RATES ACHIEVED ARE DIFFERENT THAN OUR ASSUMPTIONS ABOVE.**

**DESCRIPTION OF ROOFING WORK**

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**CITY OF AURORA ROOF VENTILATION WORKSHEET**

## ROOF VENTILATION REQUIREMENTS

### WITH SOFFIT VENTILATION

ATTIC LENGTH (NOT ROOF PLANE) \_\_\_\_\_ FT

ATTIC WIDTH (NOT ROOF PLANE) **X** \_\_\_\_\_ FT



ATTIC AREA \_\_\_\_\_ FT<sup>2</sup>

FT<sup>2</sup> NET FREE VENT AREA REQUIRED = ATTIC AREA ÷ **300**

NET FREE VENT AREA (NFVA) REQ'D = \_\_\_\_\_ FT<sup>2</sup>

CONVERT NFVA FROM FT<sup>2</sup> TO IN<sup>2</sup> \_\_\_\_\_ X **144** IN<sup>2</sup>/FT<sup>2</sup>

IN<sup>2</sup> NET FREE VENT AREA (NFVA) REQ'D \_\_\_\_\_ IN<sup>2</sup>

**EXHAUST** + **INTAKE** >= NET FREE VENT AREA IN<sup>2</sup> REQ'D

**NET FREE VENT AREA EXHAUST @ TOP 3 VERT FT OF ROOF**  
MUST BE BETWEEN **40%-50%** OF NFVA SHADED AREA ABOVE

TOTAL IN<sup>2</sup> NFVA EXHAUST (SUM OF BELOW) \_\_\_\_\_ IN<sup>2</sup>

LF \_\_\_\_\_ RIDGE VENT-COBRA @ (12 IN<sup>2</sup>/FT) = \_\_\_\_\_ IN<sup>2</sup>

LF \_\_\_\_\_ RIDGE VENT-TALL @ (18 IN<sup>2</sup>/FT) = \_\_\_\_\_ IN<sup>2</sup>

# \_\_\_\_\_ ROOF VENTS TYP. 550<sup>S</sup> @ (50 IN<sup>2</sup>) = \_\_\_\_\_ IN<sup>2</sup>

# \_\_\_\_\_ ROOF VENTS XLARGE 770<sup>S</sup> @ (70 IN<sup>2</sup>) = \_\_\_\_\_ IN<sup>2</sup>

# \_\_\_\_\_ TURBINES @ (95 IN<sup>2</sup>) = \_\_\_\_\_ IN<sup>2</sup>

# \_\_\_\_\_ 800CFM POWER VENTS @ (525 IN<sup>2</sup>) = \_\_\_\_\_ IN<sup>2</sup>

# \_\_\_\_\_ 1200CFM POWER VENTS @ (775 IN<sup>2</sup>) = \_\_\_\_\_ IN<sup>2</sup>

# \_\_\_\_\_ 1500CFM POWER VENTS @ (1000 IN<sup>2</sup>) = \_\_\_\_\_ IN<sup>2</sup>

OTHER \_\_\_\_\_ = \_\_\_\_\_ IN<sup>2</sup>

OTHER \_\_\_\_\_ = \_\_\_\_\_ IN<sup>2</sup>

#### NET FREE VENT AREA OF INTAKE @ ROOF SOFFIT/ EAVE

MUST BE BETWEEN **50%-60%** OF NFVA SHADED AREA ABOVE

TOTAL IN<sup>2</sup> NFVA INTAKE (SUM OF BELOW) \_\_\_\_\_ IN<sup>2</sup>

# \_\_\_\_\_ 4 INCH ROUND VENT@ (2.0 IN<sup>2</sup>) = \_\_\_\_\_ IN<sup>2</sup>

# \_\_\_\_\_ 4X16 VENT@ (25 IN<sup>2</sup>) = \_\_\_\_\_ IN<sup>2</sup>

# \_\_\_\_\_ 6X16 VENT@ (35 IN<sup>2</sup>) = \_\_\_\_\_ IN<sup>2</sup>

# \_\_\_\_\_ 8X16 VENT@ (45 IN<sup>2</sup>) = \_\_\_\_\_ IN<sup>2</sup>

LF \_\_\_\_\_ DECK/FASCIA VENT@ (9 IN<sup>2</sup>/FT) = \_\_\_\_\_ IN<sup>2</sup>

LF \_\_\_\_\_ CONT. STRIP VENT@ (12 IN<sup>2</sup>/FT) = \_\_\_\_\_ IN<sup>2</sup>

LF \_\_\_\_\_ 20% VENT'D ALUM SOFFIT @ (4 IN<sup>2</sup>/LF) = \_\_\_\_\_ IN<sup>2</sup>

LF \_\_\_\_\_ 25% VENT'D ALUM SOFFIT @ (5 IN<sup>2</sup>/LF) = \_\_\_\_\_ IN<sup>2</sup>

LF \_\_\_\_\_ 33% VENT'D ALUM SOFFIT @ (6 IN<sup>2</sup>/LF) = \_\_\_\_\_ IN<sup>2</sup>

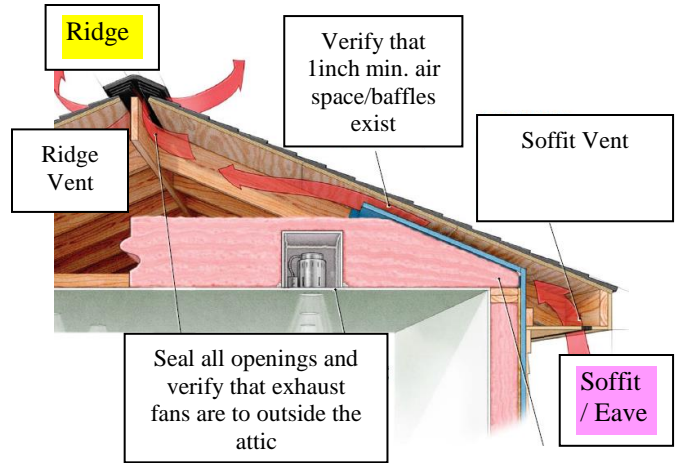
LF \_\_\_\_\_ 50% VENT'D ALUM SOFFIT @ (10 IN<sup>2</sup>/LF) = \_\_\_\_\_ IN<sup>2</sup>

LF \_\_\_\_\_ 100% ALUM SOFFIT VENT@ (20 IN<sup>2</sup>/LF) = \_\_\_\_\_ IN<sup>2</sup>

# \_\_\_\_\_ GABLE VENT@ (40% OF OP'NG) = \_\_\_\_\_ IN<sup>2</sup>

OTHER \_\_\_\_\_ = \_\_\_\_\_ IN<sup>2</sup>

OTHER \_\_\_\_\_ = \_\_\_\_\_ IN<sup>2</sup>



## ROOF VENTILATION REQUIREMENTS

### WITHOUT SOFFIT VENTILATION

ATTIC LENGTH (NOT ROOF PLANE) \_\_\_\_\_ FT

ATTIC WIDTH (NOT ROOF PLANE) **X** \_\_\_\_\_ FT



ATTIC AREA \_\_\_\_\_ FT<sup>2</sup>

FT<sup>2</sup> NET FREE VENT AREA REQUIRED = ATTIC AREA ÷ **150**

NET FREE VENT AREA (NFVA) REQ'D = \_\_\_\_\_ FT<sup>2</sup>

CONVERT NFVA FROM FT<sup>2</sup> TO IN<sup>2</sup> \_\_\_\_\_ X **144** IN<sup>2</sup>/FT<sup>2</sup>

IN<sup>2</sup> NET FREE VENT AREA (NFVA) REQ'D \_\_\_\_\_ IN<sup>2</sup>

**EXHAUST** >= NET FREE VENT AREA IN<sup>2</sup> REQ'D

**NET FREE VENT AREA EXHAUST @ TOP 3 VERT FT OF ROOF**  
MUST BE AT LEAST **100%** OF NFVA SHADED AREA ABOVE

TOTAL IN<sup>2</sup> NFVA EXHAUST (SUM OF BELOW) \_\_\_\_\_ IN<sup>2</sup>

LF \_\_\_\_\_ RIDGE VENT-COBRA @ (12 IN<sup>2</sup>/FT) = \_\_\_\_\_ IN<sup>2</sup>

LF \_\_\_\_\_ RIDGE VENT-TALL @ (18 IN<sup>2</sup>/FT) = \_\_\_\_\_ IN<sup>2</sup>

# \_\_\_\_\_ ROOF VENTS TYP. 550<sup>S</sup> @ (50 IN<sup>2</sup>) = \_\_\_\_\_ IN<sup>2</sup>

# \_\_\_\_\_ ROOF VENTS LARGE 770<sup>S</sup> @ (70 IN<sup>2</sup>) = \_\_\_\_\_ IN<sup>2</sup>

# \_\_\_\_\_ TURBINES @ (95 IN<sup>2</sup>) = \_\_\_\_\_ IN<sup>2</sup>

# \_\_\_\_\_ 800CFM POWER VENTS @ (525 IN<sup>2</sup>) = \_\_\_\_\_ IN<sup>2</sup>

# \_\_\_\_\_ 1200CFM POWER VENTS @ (775 IN<sup>2</sup>) = \_\_\_\_\_ IN<sup>2</sup>

# \_\_\_\_\_ 1500CFM POWER VENTS @ (1000 IN<sup>2</sup>) = \_\_\_\_\_ IN<sup>2</sup>

OTHER \_\_\_\_\_ = \_\_\_\_\_ IN<sup>2</sup>

OTHER \_\_\_\_\_ = \_\_\_\_\_ IN<sup>2</sup>

**FEEL FREE TO SUBMIT MFR'S CALCULATIONS IN LIEU OF AURORA'S CALCULATIONS ABOVE**

ON-LINE VENTILATION CALCULATORS

[OWENS CORNING](#) [GAF](#)

**FEEL FREE TO PROVIDE MANUFACTURER'S CUT SHEETS TO DEMONSTRATE THAT ROOFING MATERIALS OR NET FREE AREAS ARE DIFFERENT THAN ASSUMPTIONS ABOVE.**

# TYPICAL STEP FLASHING AT CHIMNEYS AND WALL AREAS

