



**VILLAGE OF ALGONQUIN**  
COMMUNITY DEVELOPMENT

**WINDOW REPLACEMENT REQUIREMENTS**

The Permit issued for the replacement of the window(s) at:

Address \_\_\_\_\_

Has been approved with following conditions:

**Bedroom egress windows:**

1. Minimum 5.7 square feet of net clear opening area. **Exception:** 5.0 square feet allowed if located at grade floor or below grade.
2. Minimum 24 inches of net clear height opening.
3. Minimum 20 inches of net clear width opening.
4. Maximum 44 inches to window sill measured from finished floor.

All windows shall have a maximum U-Factor of 0.30

**Basement windows:**

1. Window wells serving an egress window shall not be less than 9 square feet in area with a horizontal length/width of no less than 36 inches.
2. Window wells greater than 44 inches in depth requires a permanently fixed ladder or steps to provide access.
3. Permanent ladder or steps cannot encroach the required window well dimensions by more than 6 inches.
4. The inside width of a ladder serving a window well shall not be less than 12 inches and must project no less than 3 inches from the wall.
5. Vertical spacing of the rungs shall not be more than 18 inches on center.

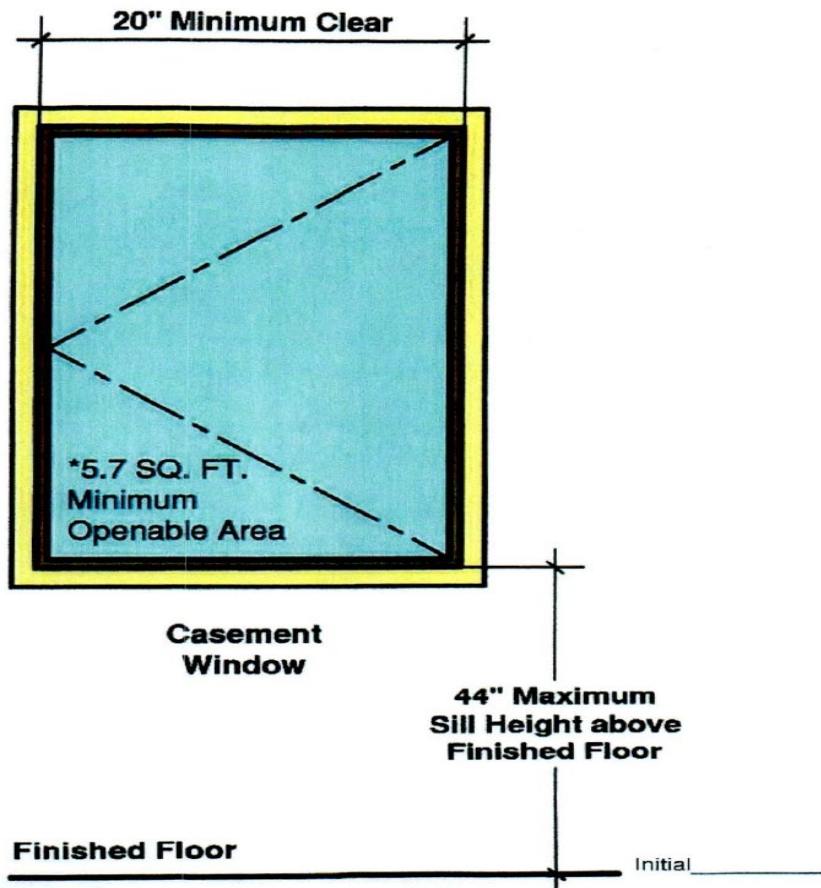
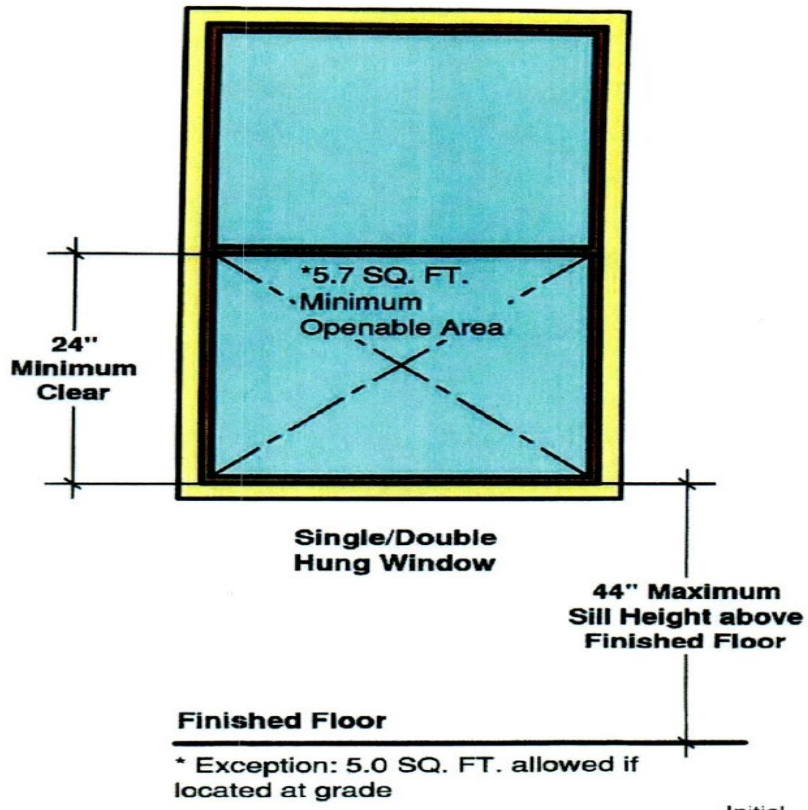
**Replacement bedroom egress windows:** The replacement window shall not decrease the width, height or area of the operable area of the window replaced.

I have read and understand the conditions as mentioned above and recognize my responsibility to the performance of same. Copies of this document should be supplied to all persons associated with the construction of this project.

**Signature required on page 1 and initial page 2, return both pages with your completed application or email to: [permits@algonquin.org](mailto:permits@algonquin.org).**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_



**2018 ILLINOIS ENERGY CONSERVATION CODE (ILECC) TABLE R402.1.2  
RESIDENTIAL MINIMUM ENERGY EFFICIENCY REQUIREMENTS  
BUILDING THERMAL ENVELOPE (BTE\*)- ALGONQUIN - CLIMATE ZONE 5**

WINDOW & DOOR U-FACTOR (max)	SKYLIGHT U-FACTOR (max)	GLAZING SHGC (max)	CEILING R-VALUE (min)	WOOD FRAME WALL R-VALUE (min)	MASS WALL R-VALUE (min)
0.30	0.55	NR	49	20 or 13 cavity + 5 continuous	13 outside / 17 inside

FLOOR R-VALUE (min)	BASEMENT WALL R-VALUE (min)	UNHEATED SLAB R-VALUE / DEPTH (min)	HEATED SLAB R-VALUE / DEPTH (min)	CRAWL SPACE WALL R-VALUE (min)
30	10 continuous / 13 stud cavity (full height) 15 continuous / 19 stud cavity (top 4 feet)**	10 / 2 feet	15 / 2 feet	15 continuous / 19 stud cavity

**ALL PRODUCTS SHALL BE LABELED BY THE MANUFACTURER WITH THE TESTED VALUES. (R303.1.2)**

**ALL LABELS SHALL REMAIN ON PRODUCTS UNTIL INSPECTED AND APPROVED. (R303.1.3)**

**Supply and return ducts  $\geq$  3 inches in diameter in attics shall be insulated to a minimum of R-8.**

**Supply and return ducts  $<$  3 inches in diameter in attics shall be insulated to a minimum of R-6.**

**Supply and return ducts  $\geq$  3 inches in diameter in other areas outside the BTE\* shall be insulated to a minimum of R-6.**

**Supply and return ducts  $<$  3 inches in diameter in other areas outside the BTE\* shall be insulated to a minimum of R-4.2.**

\*\* Denotes Illinois amendment

<https://cdb.illinois.gov/business/codes/illinois-energy-codes/illinois-energy-conservation-code.html>