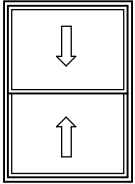


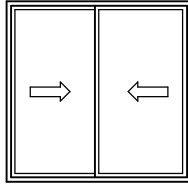
WINDOW ELEVATIONS

MASS. STATE BOARD OF BUILDING REGULATIONS & STANDARDS
BUILDING PLANNING FOR SINGLE & TWO FAMILY DWELLINGS 780 CMR
 5310 – EMERGENCY ESCAPE AND RESCUE OPENINGS. 5310.1 – EXCEPTION 2.
 *DOUBLE HUNG WINDOWS USED FOR EMERGENCY ESCAPE SHALL BE PERMITTED
 TO HAVE A NET CLEAR OPENING OF 3.3 SQUARE FEET PROVIDED THAT AT LEAST
 ONE OPERABLE SASH MEETS THE MINIMUM HEIGHT AND WIDTH REQUIRED BY 780 CMR
 5310.1.2 AND 5310.1.3 (24" HEIGHT & 20" WIDTH CLEAR OPENING) AND OPERATIONAL
 CONSTRAINTS DEFINED BY 780 CMR 5310.1.4" (NO TOOLS OR FORCE)
 NOTE : THIS APPLIES TO DOUBLE HUNG WINDOWS ONLY.

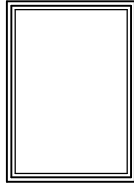
BOCA REQUIREMENT FOR SAFETY GLAZING
 ALL GLAZED AREAS REQUIRED TO BE SAFETY GLAZING IN HAZARDOUS
 AREAS SHALL BE PERMANENTLY MARKED, BEARING THE
 MANUFACTURERS TYPE AND THICKNESS OF GLAZING. HAZARDOUS
 LOCATIONS FOR GLAZING INCLUDE: FIXED AND SLIDING PATIO
 PANELS, SWINGING DOORS, STORM DOORS, EXPOSED GLAZING
 WITHIN 24" OF A DOOR JAMB (IF LESS THAN 60" FROM THE
 FLOOR), EXPOSED GLAZED PANE GREATER THAN 9 S.F.
 OR EXPOSED GLAZING EDGE LESS THAN 18" FROM FLOOR.



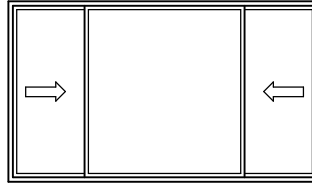
(A) (VIN)
 DOUBLE HUNG
 (ACOUSTIC)



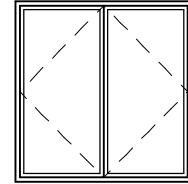
(B) (VIN)
 HORIZONTAL SLIDER
 (ACOUSTIC)



(C) (VIN)
 FIXED
 (ACOUSTIC)



(D) (VIN)
 HORIZONTAL SLIDER WITH FIXED CENTER
 (ACOUSTIC)



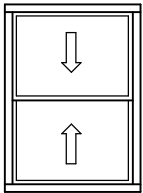
(E) (VIN)
 CASEMENT
 (ACOUSTIC)

(A1) EGRESS (VIN)
 DOUBLE HUNG
 (ACOUSTIC)

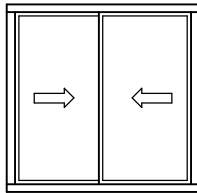
(B1) EGRESS (VIN)
 HORIZONTAL SLIDER
 (ACOUSTIC)

**BOCA REQUIREMENT FOR SLIDING AND CASEMENT EGRESS
 WINDOWS (WINDOWS MARKED WITH SUFFIX "1")**

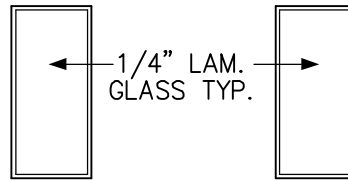
EVERY SLEEPING ROOM SHALL HAVE AT LEAST ONE OPERABLE WINDOW OR EXTERIOR DOOR APPROVED
 FOR EMERGENCY EGRESS OR RESCUE. THE UNITS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE
 USE OF SPECIAL KNOWLEDGE, SEPARATE TOOLS, OR FORCE GREATER THAN THAT WHICH IS REQUIRED
 FOR NORMAL OPERATION OF THE WINDOW. WHERE WINDOWS ARE PROVIDED AS A "MEANS OF EGRESS"
 OR RESCUE, THE WINDOWS SHALL HAVE THE BOTTOM OF THE CLEAR OPENING NOT MORE THAN 44
 INCHES ABOVE THE FLOOR. ALL EGRESS OR RESCUE WINDOWS FROM SLEEPING ROOMS SHALL HAVE A
 MINIMUM NET CLEAR OPENING OF 5.7 SQUARE FEET (5.0 S.F. FOR GRADE FLOOR WINDOWS). THE
 MINIMUM NET CLEAR OPENING HEIGHT DIMENSION SHALL BE 24 INCHES. THE MINIMUM NET CLEAR
 OPENING WIDTH DIMENSION SHALL BE 20 INCHES. BARS, GRILLES OR SCREENS PLACED OVER EMERGENCY
 ESCAPE WINDOWS SHALL BE RELEASABLE OR REMOVABLE FROM THE INSIDE WITHOUT THE USE OF A
 KEY, TOOL OR FORCE GREATER THAN THAT WHICH IS REQUIRED FOR NORMAL OPERATION OF WINDOW.



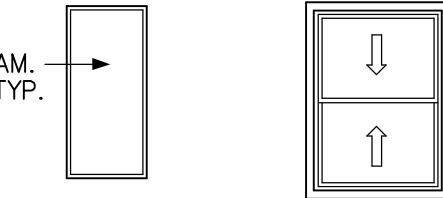
(F) (AL)
 STORM – VERTICAL
 SLIDING



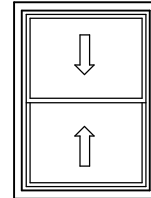
(G) (AL)
 STORM – HORIZONTAL
 SLIDING



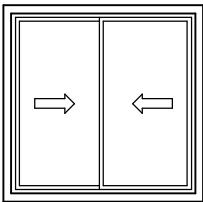
(H) (AL)
 EXTERIOR SECONDARY
 GLAZING – FIXED
 SPECIFIED IN SCHEDULE



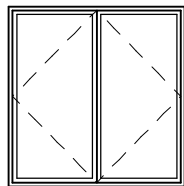
(I) (AL OR WD)
 INTERIOR SECONDARY
 GLAZING – FIXED
 SPECIFIED IN SCHEDULE



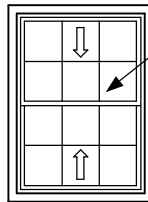
(J) (VIN)
 DOUBLE HUNG
 (NON-ACOUSTIC)



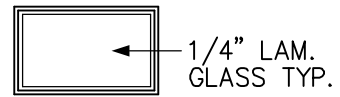
(K) (VIN)
 HORIZONTAL SLIDER
 (NON-ACOUSTIC)



(L) (VIN)
 CASEMENT
 (NON-ACOUSTIC)



(M) M.R.S.
 DOUBLE HUNG
 (NON-ACOUSTIC)
 OR ACOUSTIC)



(N) W22 (VIN)
 BASEMENT SASH



RESIDENTIAL NOISE MITIGATION PROGRAM
 WESTFIELD – BARNES AIRPORT, WESTFIELD MASSACHUSETTS

WINDOW ELEVATIONS



110 AIRPORT ROAD, SUITE 218
 WESTFIELD, MASSACHUSETTS

NO SCALE



WELLINGTON TRADE CENTER
 27 LOWELL ST., SUITE 503 MANCHESTER, NH 03101

10/2010

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