

McCann RESIDENCE

Chapter 26 Light Transmitting Plastic Roof Panels (CCI ASTM D635)

Sheet 25mm. (Polycarbonate Roof Panel. (See BOCA Evaluation Report 21-41)

- The sunroom complies with the following codes,specifications and testing requirements
- * Construction Classification VB Section 602.5 (Low Hazard Occupancy)
 - * Construction Classification R3 IBC&NY Section 310
 - * Construction Classification R5 New Jersey Residential Code
 - * Fire Resistive Rating =0 Table 601
 - * Single Family Dwelling

International Residential Code/IRC NJ Edition N.J./A.C5: 23-3.21 2018
New Jersey Residential Code 2018

International Building Code IBC 2018

- * R301 Building Planning and Geographic Design Criteria
- * R302.1 Exterior Walls
- * R302.2 Openings
- * R308.5 Site Built Windows
- * R315 Flame Spread and Smoke Density
- * And All Applicable Codes

International Energy Conservation Code 2018

Table 502.2.5(c)

SUNROOM IS CATEGORY 111 (3) (thermally isolated) unconditioned entry/exit to sunroom from outside not from house

- o Approved Light Transmitting Plastic Section 2604.1
- o Light Transmitting Plastics Section 2606
- o Approval For Use Section 2606.2 (See BOCA Evaluation Report 21-41)
- o Identification Section 2606.3
- o Specifications Section 2606.4
- o Structural Requirements Section 2606.5 (See GE Structural and Technical Data Report)
- o Fastening Section 2606.6 (See GE Structural and Technical Data Report)
- o General Section 2609.1
- o Separation Section 2609.2 (Not Required)
- o Human Impact Loads Section 2406.1
- o ASTM D1929, ASTM D2843
- o ASTM D635, ASTM E331
- o ASTM E773, ASTM E774
- o ASTM E 84 SMOKE DENSITY 275
- o ASTM E 84 FLAME SPREAD 120
- o ASTM E1886, E1996 (ATI Testing Lab. Report 5212.01-122-44)
- o UL Rating UL746B 212 DEG F
- o U= .32 R=3

Glass Sealed Units Specifications (ATI Test Report 01-46690.01)

- o
- o ANSI/AAAMA/NW WDA 101/IS.2-97
- o AAAMA Rating DA-C55 48 x 74
- o ASTM E283-99 Glass Air Infiltration
- o ASTM E547 Water Resistance
- o ASTM 588 Forced Entry
- o E330-97 Uniform Load Deflection and Structure

Safety Tempered Glass Specification

- o ANSI Z97.1-1984
- o SGCC 300 3MMU
- o 16FR 1201 IT
- o 4903

SUPPORTING STRUCTURE DESIGN LOADS/CRITERIA

DEAD LOADS	VARIES WITH PRODUCT	3-12 PSF
WEIGHT OF ROOF		5 PSF
WEIGHT OF WALLS		10 PSF
WEIGHT OF FLOOR		
SNOW LOADS		
ROOF SNOW LOAD		40 PSF
SNOW EXPOSURE FACTOR		1.0
THERMAL FACTOR		1.2
SNOW LOAD IMPORTANCE		1.0
LIVE LOADS		
ROOF		20 PSF
FLOOR		40 PSF
WIND LOADS		
BASIC WIND SPEED		130 MPH
GUST EFFECT FACTOR (G)		0.85
WIND IMPORTANCE FACTOR		1.0
WIND EXPOSURE		C
SOILS AND FOUNDATIONS		
ALLOWABLE FOUNDATION PRESSURE		1500PSF
FROST DEPTH		36"
CONCRETE		3000 PSI
DEFLECTION LIMITS		
ROOF MEMBERS		L/240
EXTERIOR WALLS		L/120

ALL COMPONENTS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND DETAILS AND SHALL ADHERE TO ALL APPLICABLE CODES

SCALE 1inch = 4ft
DATE

RESIDENTIAL ADDITION
McCann RESIDENCE

384 KNIERIM PL NEW MILFORD

TITLE PAGE

Project No. NAME

Drawn By

Checked By:

Date

Scale

N.J.S.A,

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