

# MICHAEL HOMES LLC

## STEDMAN RESIDENCE

### PROJECT DESIGN DATA

#### APPLICABLE STANDARDS

THE FOLLOWING DATA AND ACCOMPANYING SPECIFICATIONS ARE BASED ON THE GENERAL REQUIREMENTS OF THE 2006 EDITION OF THE INTERNATIONAL RESIDENTIAL CODE FOR ONE & TWO FAMILY DWELLINGS, AND ALL STATE AND LOCAL JURISDICTION AMENDMENTS. THEY ARE INTENDED TO BE APPLICABLE ONLY TO DETACHED ONE AND TWO FAMILY DWELLINGS AND MULTIPLE, ATTACHED SINGLE-FAMILY DWELLINGS, NOT MORE THAN THREE STORIES IN HEIGHT (EXCLUDING BASEMENTS) WITH SEPARATE, INDEPENDENT MEANS OF EGRESS. TWO-FAMILY DWELLINGS SHALL BE COMPLETELY SEPARATED FROM EACH OTHER BY A ONE-HOUR FIRE RATED WALL OR FLOOR SEPARATION ASSEMBLY. TOWNHOUSE DWELLINGS SHALL BE SEPARATED BY EITHER (2) ONE-HOUR RATED ASSEMBLIES OR A COMMON TWO-HOUR FIRE RATED WALL ASSEMBLY. SPRINKLERS MAY BE REQUIRED, VERIFY WITH LOCAL JURISDICTION.

BUILDING CRITERIA	
RESIDENTIAL SINGLE FAMILY CONSTRUCTION TYPE:	(R-3) V-B (5-B)

CLIMATE & GEOGRAPHIC DESIGN CRITERIA	
FLOOR LIVE LOAD:	40 PSF
ROOF LIVE LOAD:	30 PSF
SNOW LOAD (Pg):	30 PSF
WIND SPEED (3 SEC GUST):	90 MPH, EXPOSE C
ATTICS W/O STORAGE:	10 PSF
ATTICS W/ STORAGE:	20 PSF
STAIRS:	40 PSF
DECKS (EXT.):	40 PSF
BALCONIES (EXT.):	60 PSF
GUARD & HANDRAILS:	200# (CONT., ANY DIR)
SEISMIC CATEGORY:	B
(LIGHT FRAME STRUCTURAL SYSTEM WITH SHEAR WALLS)	
CONCRETE WEATHERING:	SEVERE
TERMITE INFESTATION:	MODERATE TO HEAVY
DECAY PROBABILITY:	MODERATE
ICE UNDERLAYMENT:	YES
FROST DEPTH:	32"
NOTE: VALUES SHOWN ARE MINIMUM - CONFIRM WITH LOCAL CODE OFFICIAL PRIOR TO CONSTRUCTION	

FIRE RESISTANT CONSTRUCTION (REQUIRED)	
EXTERIOR WALLS > 5' FIRE SEPARATION DISTANCE:	0 HOUR
EXTERIOR WALLS < 5' FIRE SEPARATION DISTANCE:	1 HOUR
DWELLING UNIT SEPARATION (2 UNITS):	1 HOUR
DWELLING UNIT SEPARATION (3 OR MORE UNITS):	2 HOUR

THERMAL INSULATION		
COMPONENT	CLIMATE	
	4	5
ROOF	R-38 (A)	R-38 (A)
EXTERIOR FRAME WALLS	R-13	R-14 (B)
FLOORS	R-19	R-30 (C)
GLAZING	0.40	0.35
BASEMENT WALLS	R-10/13 (D)	R-10/13 (D)
SLAB	R-10 (2 FT.)	R-10 (2 FT.)

A. VALUE MAY BE REDUCED TO R-30 IF INSULATION IS FULL THICKNESS OVER OUTSIDE WALL.  
 B. ALTERNATE FOR CONTINUOUSLY SHEATHED DWELLINGS: R-13 CAVITY INSULATION PLUS MINIMUM R-2 INSULATED SHEATHING, HOUSE WRAP OR INSULATED SIDING.  
 C. OR SUFFICIENT TO FILL CAVITY, MINIMUM R-19.  
 D. CONTINUOUS INSULATION / OR CAVITY INSULATION.

LISTED ASSEMBLIES (WHERE APPLICABLE)	
1-HOUR RATING:	UL#B305 (WALL) UL#534 (OPEN WEB FLOOR TRUSSES) UL#544 (I-JOIST) UL#512 (MIN. 2x10 JOIST)
2-HOUR RATING:	UL#B334 (SINGLE WALL) FM#WP360 (DOUBLE WALL) UL#B336 (SHAFT WALL)

**WIND BRACING**  
 COMPLIANCE FOR WIND BRACING AS SPECIFIED IN THE IRC-R602.10 HAS BEEN SATISFIED BY "CONTINUOUS WOOD STRUCTURAL PANEL SHEATHING" (R602.10.5) AND ENGINEERED ALTERNATIVE METHODS AS REQUIRED.

### DRAWING INDEX

COVER			
RESIDENTIAL SPECIFICATIONS			
AD-1 WALL SECTIONS			
AD-2 TYP CONSTRUCTION DETAILS			
A1.1 FRONT ELEVATION			
A1.2 LEFT SIDE ELEVATION			
A1.3 RIGHT SIDE ELEVATION			
A1.4 REAR ELEVATION			
A2.1 FOUNDATION PLAN			
A2.2 LOWER LEVEL PLAN			
A3 FIRST FLOOR PLAN			
A4 SECOND FLOOR PLAN			
A5.1 CROSS SECTION A			
A5.2 CROSS SECTION B			
A5.3 CROSS SECTION C			

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