

**NORTH LAS VEGAS CITY COUNCIL  
AGENDA ITEM**

Number: **29**

**SUBJECT: ORDINANCE NO. 2432 .**

**AN AMENDMENT TO THE NLVMC, TITLE 15, BUILDING AND CONSTRUCTION, CHAPTER 15.04, THE INTERNATIONAL BUILDING CODE, 2006 EDITION, TO ADOPT A NEW SECTION 15.04.015, TITLED DETERMINATION OF WIND LOADS.**

**REQUESTED BY: Dr. Qiong Liu, P.E., P.T.O.E., Director, Public Works Department**

**RECOMMENDATION OR RECOMMENDED MOTION:**

April 2, 2008 - Introduce Ordinance No. 2432 by Title.

April 16, 2008 - Introduce Ordinance No. 2432 by Title, Pass and Adopt by Motion.

**FISCAL IMPACT: NONE**  
Amount: \$  
Explanation:

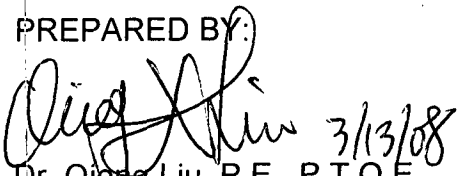
**ACCOUNT NUMBER:**

**STAFF COMMENTS AND BACKGROUND INFORMATION:**

This ordinance will adopt a new Section 15.04.015, Determination of Wind Loads, incorporating the adoption of a new exception to Section 1609.1.1 of the adopted International Building Code, 2006 Edition. Adoption of this exception will change wind load requirements on block walls, and is jointly accepted but adopted separately by Clark County, City of Henderson, Boulder City, City of Mesquite, City of Las Vegas, the City of North Las Vegas and Pahrump Regional Planning District.

**LIST CITY COUNCIL GOAL(S): SAFE AND LIVABLE COMMUNITY**

**PREPARED BY:**

 3/13/08  
Dr. Qiong Liu, P.E., P.T.O.E.  
Director, Public Works Department

**RESPECTFULLY  
SUBMITTED:**

  
Gregory E. Rose  
City Manager

**CITY COUNCIL  
MEETING DATE:**

04/02/08

## ORDINANCE NO. 2432

**AN ORDINANCE OF THE CITY OF NORTH LAS VEGAS AMENDING TITLE 15 OF THE NORTH LAS VEGAS MUNICIPAL CODE BY ADDING A NEW SECTION 15.04.015 TO THE INTERNATIONAL BUILDING CODE, 2006 EDITION, PROVIDING THE DETERMINATION OF WIND LOADS. PROVIDING PENALTIES FOR THE VIOLATION THEREOF; AND PROVIDING OTHER MATTERS PROPERLY RELATED THERETO.**

THE CITY COUNCIL OF THE CITY OF NORTH LAS VEGAS, NEVADA, DOES ORDAIN:

**SECTION 1.** Title 15 of the North Las Vegas Municipal Code is hereby amended by addition of a new section, designated as Section 15.04.015, which shall read as follows:

**15.04.015 Determination of Wind Loads.**

Section 1609.1 of the International Building Code, 2006 Edition, is adopted to read as follows:

**1609.1.1 Determination of Wind Loads.** Wind loads on every building or structure shall be determined in accordance with Chapter 6 of the American Society of Civil Engineers (ASCE) 7. The type of opening protection required, the basic wind speed and the exposure category for a site is permitted to be determined in accordance with Section 1609 or ASCE 7. Wind shall be assumed to come from any horizontal direction and wind pressures shall be assumed to act normal to the surface considered.

**Exceptions:**

1. Subject to the limitations of Section 1609.1.1.1, the provisions of the Southern Building Code Congress International (SBCCI) SSTD 10 shall be permitted for applicable Group R-2 and R-3 buildings.
2. Subject to the limitations of Section 1609.1.1.1, residential structures using the provision of the American Forest & Paper Association (AF&PA) Wood Frame Construction Manual (WFCM).
3. Designs using National Association of Architectural Metal Manufacturers (NAAMM) FP 1001.
4. Design using the Telecommunications Industry Association/Electronics Industries Association -222(TIA/EIA-222) for antenna-supporting structures and antennas.
5. Solid freestanding walls up to and including 10 feet 0 inches above the highest adjacent grade and designed using the provision of ASCE 7, Section

6.5.14, need only consider CASE A of Figure 6-20 with a  $C_f$  factor equal to 1.40 and the resultant applied at the mid-height of the wall.

**SECTION 2: NON-INFRINGEMENT OF RIGHTS.** The City Council of the City of North Las Vegas has been informed by its legal department as to the constitutionality of this ordinance and based upon such information, we are adopting this ordinance in good faith with a reasonable belief that the actions taken by the City of North Las Vegas are not in violation of any rights, privileges or immunities secured by the laws providing for equal rights of citizens or persons.

**SECTION 3: SEVERABILITY.** If any section, paragraph, clause or provisions of this ordinance shall for any reason be held to be invalid or unenforceable, the invalidity or unenforceability of such section, paragraph, clause or provisions shall in no way affect the remaining provisions of this ordinance.

**SECTION 4: EFFECTIVE DATE.** This ordinance shall become effective and after such passage by the City Council, publication once by title in a newspaper qualified pursuant to the provisions of Chapter 238 of NRS, as amended from time to time.

**SECTION 5: PUBLICATION.** The City Clerk shall cause this ordinance, immediately following its adoption, to be published once by title together with the names of the councilmen/councilwomen voting for or against passage, in a newspaper qualified pursuant to the provisions of Chapter 238 of NRS, as amended from time to time.

PASSED, ADOPTED and APPROVED this 16th day of April, 2008.

AYES:

NAYS:

ABSENT:

APPROVED:

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Michael L. Montandon, Mayor

ATTEST:

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Karen Storms, CMC, City Clerk

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Carie Torrence, City Attorney