

## 11. PRELIMINARY BUILDING CODE REVIEW

This preliminary code review of the existing and proposed additions to the Jeudevine Memorial Library is based on the following applicable codes:

- 2009 International Building Code (IBC) and Amendments.
- 2009 International Energy Conservation Code.
- 2009 International Mechanical Code.
- 2009 International Plumbing Code.
- 2011 National Electrical Code
- State Fire Code Saf-C-6000

### PROJECT DESCRIPTION:

New construction of approximately 3,900 SF addition to existing

New Construction main level:

New Construction lower level:

Existing main level: approximately 1125 SF

Existing lower level: approximately 1125 SF

**Sprinkler System:** The building will be equipped with an approved automatic fire suppression system (sprinkler)

**Construction Type:** 5B Unprotected (IBC Table 601)

**Occupancy Classification:** Assembly Group A-3

**Occupant Load:** 18 people current occupant load (Reading Rooms = 50 SF net, Stacks = 100 SF net.

**Height Limits:** 1 story, 2 allowed with an approved automatic sprinkler system.

**Area Limitations:** 6000SF 18,000 SF allowed with an approved automatic sprinkler system.

**Mezzanines:** (502.2, 505)

Definition: An intermediate level or levels between the floor and ceiling of any story. Mezzanine is considered a portion of the story in which it is contained. Mezzanines shall not contribute to building area or number of stories. The clear height above and below the mezzanine shall not be less than 7 ft. Railing at edge of mezzanine shall be no less than 42" high.

### Fire Resistance Ratings – Building Elements:

<u>IBC 2009</u>	<u>Type 5B</u>
Structural Frame	0 hour
Bearing Walls Exterior	0 hour
Bearing Walls Interior	0 hour
Non-Bearing Walls/Partitions	0 hour
Floor Construction	0 hour
Roof Construction	0 hour.

### Means of Egress IBC 2009 Chapter 10

Exits: Required: two  
 Provided: two

Components:

Doors: Required: Minimum 32" clear (1008.1.1) or .2" x max. occupant load (1005.1)  
 Provided: 36" provided at all new doors

Stairs: Required: .3 x max. occupant load (1005.1) and not less than 44" (1009) with minimum 4" riser height

### Accessibility Standards and The Americans with Disabilities Act