

BRIGHAM CITY CODE ANALYSIS REQUIREMENTS

APPLICABLE CODES:

(Year Currently adopted)

International Building Code	(2021)	National Electrical Code	(2020)
International Mechanical Code	(2021)	International Plumbing Code	(2021)
International Fire Code	(2021)	ADA Accessibility Guild lines	(A117.1 2009)
Energy Conservation Code (IECC)	(2021)		
International Existing Building Code	(2021)	International Residential Code	(2021)

1. List all applied occupancies:

Change in Use : Mixed Occupancy

Special Use and Occupancy (e.g. High Rise, Covered Mall): _____

2. Seismic Design Category: D-1 Design Wind Speed: 90 mph / 120 MPH Gust MPH

3. Type of Construction, Chapter 6:

4. Fire Resistance Rating: (Requirements for the Exterior Walls based on the Fire Separation Distance (FSD) in hours)

North: _____ South: _____ East: _____ West: _____

5. Mixed Occupancies: _____ Non-separated Uses: _____

6. Sprinklers: Required: Provided:

Type of sprinkler system (IBC 903.3.1) Other:

2. Number of Stories: _____ Building Height: _____ Allowable area: _____

3. Actual Area Per Floor (square feet):

4. Tabular Area: (table 503)

5. Area Modifications: A) $A_a = \{A_t + [A_t \times I_f] + [A_t \times I_s]\}$ $I_f = [F/P - 0.25] W/30$

B) Sum of Ratio Calculations for Mixed Occupancies: Actual Area
Allowable Area

_____ ≤1

C) Total Allowable Area for

1) One Story: _____

2) Two Story: A_a (2) _____

3) Three Story: A_a (3) _____

D) Unlimited Area Building:

Code section: _____

11. Fire Resistance Rating Requirements for Building Elements (hours).

Element	Hours	Assembly listing	Element	Hours	Assembly listing
Exterior Bearing Walls			Floors— Ceiling Floors		
Interior Bearing Walls			Roofs—Ceiling Roofs		
Exterior Frame			Exterior Doors and Windows		
Structural Frame			Shaft Enclosures		
Partitions—Permanent			Fire Walls		
Fire Barriers			Fire Partitions		
Smoke Partitions					

12. Design Occupant Load: _____ Exit Width Required: _____
Exit Width Provided: _____ Maximum Exit Length _____

13. Minimum Number of Required Plumbing facilities:

A. Water Closets—Required, (Male) _____ (Female) _____
Provided, (Male) _____ (Female) _____

B. Urinals— Required, (Male) _____ (Female) _____
Provided, (Male) _____ (Female) _____

C. Lavatories—Required, (Male) _____ (Female) _____
Provided, (Male) _____ (Female) _____

D. Bath Tubs or showers, _____ Service Sinks, _____

E. Drinking Fountains, _____ Hose Bibbs, _____

14. Impervious surface in sq. ft. (asphalt, buildings, sidewalks, etc.) _____

15. Water line size (Main) _____

16. Gas line size (Main) _____

17. Sewer line size (Main) _____

Additional Code Information Comments:

Additional Information may be required by the building official or the fire marshal.

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Michael Young: (Fire Marshal) Contact information: myoung@bcutah.gov Phone # 435-730-6685