

TOOELE CITY BUILDING CODES AND DESIGN CRITERIA

BUILDING CODES:

- 2021 INTERNATIONAL BUILDING CODE (IBC) INCLUDING APPENDICES C AND J.
- 2021 INTERNATIONAL RESIDENTIAL CODE (IRC) INCLUDING APPENDICES AQ AND AE
- 2021 INTERNATIONAL PLUMBING CODE (IPC).
- 2021 INTERNATIONAL MECHANICAL CODE (IMC).
- 2021 INTERNATIONAL FUEL GAS CODE (IFC).
- 2021 INTERNATIONAL EXISTING BUILDING CODE (IEBC).
- 2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) USE COMMERCIAL PROVISIONS
- 2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) USE RESIDENTIAL PROVISIONS.
- 2021 INTERNATIONAL EXISTING BUILDING CODE (IEBC).
- 2023 NATIONAL ELECTRICAL CODE (NEC).
- ICC / ANSI A117.1-2009.
- UTAH STATE AMENDMENTS AS PER TITLE 15A STATE CONSTRUCTION AND FIRE CODES ACT.

DESIGN CRITERIA:

- **SNOW LOAD:**
GROUND SNOW LOAD USE UTAH STATE UNIVERSITY
<https://www.usu.edu/utahsnowload/>
ROOF LOAD DETERMINED PER CHAPTER 7 OF ASCE 7-16.
- **WIND:**
IRC SECTION: 105 MPH 3 SECOND GUST EXPOSURE C.
IBC SECTION: RISK CATEGORY I 95
RISK CATEGORY II 100
RISK CATEGORY III 105 (MOST COMMON)
RISK CATEGORY IV 110
- **SESMIC ZONE:**
IRC - D1
IBC - D
- **FROST DEPTH:**
30 INCHES.
- **SOIL:**
IRC ASSUMED 1500 PSF
IBC SITE SPECIFIC GEOTECHNICAL REPORT
- **CLIMATE ZONE:**
5B
- **WEATHERING:**
SEVERE