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Equipment enclosures are built to **newterra's** modular equipment enclosure standards which, where determined applicable by **newterra**, utilizes the International Building Code as a reference document. **newterra** can accommodate special requests to meet specific sections of other codes provided the specific sections are identified by the customer and have been identified in **newterra's** proposal. Stamped drawings can be provided for an additional fee if required.

Newterra enclosure standards:
Modeled after IBC F-1 Group
Type 5B for one story less than 8500 sqft with no automated sprinkler systems (Covers up to 26 containers tied together)[Table 601]

- No fire rating required on any walls of building.[Table 601]
- Any occupant can get out of an exit door within 75' of any location within the building.[Table 1006.2.1]
- Maximum occupancy load of 3 people per container.[Table 1004.1.2]
- One exit required only as long as the exit is within 75' of all areas of building and the building does not have more than 49 people in it.[Table 1006.3.2(2)]
- Any IBC approved building materials are acceptable.[602.5]
- Emergency battery backup exit signage required in buildings requiring more than 2 means of egress. (This is important if we have a room or container that does not have a direct exit door to the outside in that room.) [1008.3.2]
- Exit doors which can close when room is occupied need to be side hinge, swing open type if door.[1010.1.2]
- Exit doors in rooms must swing out to the direction of egress travel.[1010.1.2.1]
- No limitations on standard exit door hardware [1103.2.9/1010.1.9.1]
- Exit doors minimum width 32 inches [1010.1.1]
- Unlatching of an exit door shall not require more than one mode of operation. [1010.1.9.5]
- Exit doors from rooms housing flammable vapors require panic bars.[1010.1.10]
- Ventilation is for cooling and is based on ambient temperature heat load calculations
- Lighting design approximately 0.4W/sqft

Structural Steel Building Standard Structural Design Loads:
Standard Snow load capacity 30 lb/sqft
Standard Wind load Capacity 75 mph. Note this is limited by our selection of OSB wood sheeting and utilizing nails rather than screws for attachment.
Seismic Load: Not Considered
*Structural steel buildings can be designed and built to different standards as required.

ISO Container, Insulated Interior, Standard Structural Design Loads:
Standard Snow load capacity 50 lb/sqft
Standard Wind load Capacity 140 mph
Seismic Load: Not Considered
*ISO Containers can be designed and reinforced to different standards as required.