



JOB NO. _____

SECOND FLOOR INFORMATION

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| <p>Floor usage: Floor Type 3" Normal Weight concrete w/ steel deck 1" Plywood Other _____</p> <p>Front Loads: Collateral Below Floor _____ psf Above Floor _____ psf Live Load Uniform _____ psf Concentrated _____ lbs Partition Load _____ psf Other Loads _____</p> <p>Floor Deflection Criteria Whirlwind Std _____ Special Criteria _____ Live Load Only L / _____ DL + LL L / _____</p> <p>Clearance under framing: _____ ft. Top of finish floor elev: _____ ft.</p> | <p>Steel Deck: Whirlwind option Specified _____ By others _____</p> <p>Deck Attachment method: Self Drilling Screws Spot Welded</p> <p>Joist: Whirlwind option Sized and supplied by others</p> <p>Edge Angle: Whirlwind option Sized and supplied by others</p> <p>Interior Columns: Whirlwind option Sized and supplied by others</p> <p>Floor Beams: Whirlwind option Sized and supplied by others</p> <p>All floor materials sized and supplied by others. Load only applied to WW framing (sketch required).</p> |
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The following minimum live load table was taken from ASCE 7. Other building codes will have a similar, but possibly slightly different table.

MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS AND MINIMUM CONCENTRATED LIVE LOADS

| Occupancy or Use | Uniform psf | Conc. Lbs | Occupancy or Use | Uniform psf | Conc. Lbs |
|---|-------------|-----------|--|-------------|-----------|
| Apartments (see residential) | | | Manufacturing | | |
| Access floor systems | | | Light | 125 | 2,000 |
| Office use | 50 | 2,000 | Heavy | 250 | 3,000 |
| Computer Use | 100 | 2,000 | Office Buildings | | |
| Armories and drill rooms | 150 | | File and computer rooms shall be designed for heavier loads based on anticipated occupancy | | |
| Assembly Areas and theaters | | | Lobbies and first floor corridors | 100 | 2,000 |
| Fixed seats (fastened to floor) | 60 | | Offices | 50 | 2,000 |
| Lobbies | 100 | | Corridors above the first floor | 50 | 2,000 |
| Movable seats | 100 | | Penal Institutions | | |
| Platforms (assembly) | 100 | | Cell blocks | 40 | |
| Stage floors | 150 | | Corridors | 100 | |
| Balconies (exterior) | 100 | | Residential | | |
| On one- and two-family residences only, and not exceeding 100 ft. | 60 | | Dwellings (one- and two-family) | | |
| Bowling alleys, poolrooms and similar recreational areas | 75 | | Uninhabitable attics without storage | 10 | |
| Corridors | | | Uninhabitable attics with storage | 20 | |
| First floor | 100 | | Habitable attics and sleeping areas | 30 | |
| Other floors, same as occupancy served except as indicated | | | All other areas except balconies | 40 | |
| Dance halls and ballrooms | 100 | | Hotel and multifamily houses | | |
| Decks (patios and roof) | | | Private rooms and corridors serving them | 40 | |
| Same as area served, or for the type of occupancy accommodated | | | Public rooms and corridors serving them | 100 | |
| Dining rooms and restaurants | 100 | | Schools | | |
| Dwellings (see Residential) | | | Classrooms | 40 | 1,000 |
| Garages (passenger cars only) | 50 | Note (1) | Corridors above the first floor | 80 | 1,000 |
| Trucks and buses | | Note (2) | First floor corridors | 100 | 1,000 |
| Gymnasiums, main floors and balconies | 100 | Note (4) | Stadium and Arenas | | |
| Hospitals | | | Bleachers | 100 | Note (4) |
| Operating rooms, laboratories | 60 | 1,000 | Fixed Seats (fastened to floor) | 60 | Note (4) |
| Private rooms | 40 | 1,000 | Storage areas above ceilings | 20 | |
| Wards | 40 | 1,000 | Storage warehouses (shall be designed for heavier loads if required for anticipated storage) | | |
| Corridors above the first floor | 80 | 1,000 | Light | 125 | |
| Hotels (see residential) | | | Heavier | 250 | |
| Libraries | | | Stores | | |
| Reading rooms | 60 | 1,000 | Retail | | |
| Stack rooms | 150 | Note (3) | First Floor | 100 | 1,000 |
| Corridors above the first floor | 80 | 1,000 | Upper Floors | 75 | 1,000 |
| | | | Wholesale, all floors | 125 | 1,000 |
| | | | Walkways and elevated platforms (other than exitways) | 60 | |

NOTES

- (1) Floors in garages or portions of buildings used for the storage of motor vehicles shall be designed for the uniformly distributed live loads or the following concentrated load: (a) for passenger cars accommodating not more than nine passengers, 2,000 lbs. acting on an area of 20 in.; (b) Mechanical parking structures without slab or deck, passenger car only, 1,500 lbs. per wheel.
- (2) Garages accommodating trucks and buses shall be designed in accordance with an approved method which contains provisions for truck and bus loadings.
- (3) The weight of books and shelving shall be computed using an assumed density of 65 lbs/ft and converted to a uniformly distributed load.
- (4) In addition to vertical live loads, horizontal swaying forces parallel and normal to the length of seats shall be included in the design according to the requirements of ANSI/NFPA 102.