**Design and Construction of Inside Storage Rooms**

1. Are openings to other rooms or buildings from flammable/combustible liquids storage rooms provided with a noncombustible liquid-tight raised sill or ramp at least 4 inches in height? [29 CFR 1910.106(d)(4)(i) and 29 CFR 1926.152(b)(4)(ii)]Note: Alternatively, the floor of the storage area shall be at least 4 inches below the surrounding floor.
2. Are openings to storage rooms provided with approved self-closing fire doors? [29 CFR 1910.106(d)(4)(i) and 29 CFR 1926.152(b)(4)(ii)]
3. Does storage in inside rooms comply with the requirements of Table 2? [29 CFR 1910.106(d)(4)(ii) and 29 CFR 1926.152(b)(4)(iv)]

Table 2: Storage in Inside Rooms

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| Table 2: Storage in Inside Rooms | | | |
| **Fire Protection Provided1** | **Fire Resistance** | **Maximum Size** | **Total Allowable Quantities 2** |
| Yes | 2 hours | 500 sq. ft. | 10 |
| No | 2 hours | 500 sq. ft. | 5 |
| Yes | 1 hour | 150 sq. ft. | 4 |
| No | 1 hour | 150 sq. ft. | 2 |

1Fire protection system shall be sprinkler, water spray, carbon dioxide, or other system.  
2(gals/sq. ft/floor area)

1. Is the room liquid tight where the wall joins the floor? [29 CFR 1910.106(d)(4)(i) and 29 CFR 1926.152(b)(4)(ii)]Note: A permissible alternative to the sill or ramp is an open-grated trench inside the room which drains to a safe location.
2. Is the electrical wiring and equipment located inside the storage room especially designed to prevent possible ignition of any released flammable vapors? [29 CFR 1910.106(d)(4)(iii) and 29 CFR 1926.152(d)(d)(v)]Note: Anything which looks like normal household wiring including switches, plugs, lighting or any normal equipment such as radios are not permitted.
3. Is every inside storage room provided with either a gravity or mechanical exhaust ventilation system? [29 CFR 1910.106(d)(4)(iv) and 29 CFR 1926.152(b)(4)(vi)]
4. Does the ventilation system have an exhaust not more than 12 inches off the floor? [29 CFR 1926.152(b)(4)(vi)]
5. Does the ventilation system provide for a complete change of air within the room at least six times per hour? [29 CFR 1910.106(d)(4)(iv) and 29 CFR 1926.152(b)(4)(vi)]
6. If a mechanical exhaust system is used, is the switch located outside of the door? [29 CFR 1910.106(d)(4)(iv) and 29 CFR 1926.152(b)(4)(vi)]
7. Are ventilation equipment and the lighting fixtures operated by the same switch? [29 CFR 1910.106(d)(4)(iv) and 29 CFR 1926.152(b)(4)(vi)]
8. When gravity ventilation is provided, are the fresh air intake as well as the exhaust outlet from the room located on the exterior of the building in which the room is located? [29 CFR 1910.106(d)(4)(iv) and 29 CFR 1926.152(b)(4)(vi)]
9. Is there a 3 foot wide clearance in the aisle in every storage room? [29 CFR 1910.106(d)(4)(v)]
10. Is stacking of 30 gallon capacity containers prohibited? [29 CFR 1910.106(d)(4)(v)]