

APPENDIX Y - CODE DATA EXAMPLE

APPLICABLE CODES: **State**
1991 State Building Code (includes UBC, 1991 edition)
1990 National Electric Code
1990 State Plumbing Code

Federal
NFPA 101 - Life Safety Code, 1991
ADA - Americans with Disabilities Act, 1990

OCCUPANCY: B-1 - Equipment Storage and Washing, Mechanical Room
 B-2 - Records, Office, Lockers, Toilets
 H-2 - Liquid Use, Dispensing and Mixing Room
 H-3 - Liquid Storage Warehouse, Chemical Storage

CONSTRUCTION TYPE: **Allowable**
B-1 8,000 square feet (Note: The H-3 liquid storage
 warehouse portion of the building will be separated by
 a 4-hour area separation)
B-2 8,000 square feet
H-2 2,500 square feet
H-3 5,100 square feet

Provided
Main Building Provided Areas: 5,547 square feet
B-1 Occupancy 4,297 square feet ÷ 8,000 = .537
B-2 Occupancy 782 square feet ÷ 8,000 = .098
H-2 Occupancy 468 square feet ÷ 2,500 = .187
 Total: .822 < 1 (ok)

Chemical Storage Provided Area: 2,320 square feet

OCCUPANT LOAD: Storage, Mechanical 4,310 square feet ÷ 300 = 14.36
 Manufacturing 2,347 square feet ÷ 200 = 11.73
 Office, Other 1,030 square feet ÷ 100 = 10.31
 Lockers 180 square feet ÷ 50 = 03.60
 Total Occupant Load 40.00 Occupants

EXITS: **Required**
4 Exits, 12 feet of exit width

Provided
5 Exits, 15 feet of exit width

FIRE-RESISTIVITY:	UBC Table 17-A	
	Exterior Bearing Walls	N Fire rating
	Interior Bearing Walls	N Fire rating
	Exterior Nonbearing Walls	N Fire rating
	Structural Frame	N Fire rating
	Partitions-Permanent	N Fire rating
	Shaft Enclosure	One-hour fire rating
	Floors - Ceilings/Floors	N Fire rating
	Roofs - Ceilings/Roofs	N Fire rating

End of Appendix Y - Code Data Examples
University of Minnesota Facilities Management
November 2002 (Revised: December 2006)