

CHAPTER 3: USE AND OCCUPANCY CLASSIFICATION

304.1 – BUSINESS GROUP B
306.3 – MODERATE-HAZARD STORAGE, GROUP S-1

CHAPTER 5: GENERAL BUILDING HEIGHTS AND AREAS

503 – GENERAL BUILDING HEIGHT AND AREA LIMITATIONS
503.1 – GENERAL
504 – BUILDING HEIGHT AND NUMBER OF STORIES
TABLE 504.3 – ALLOWABLE BUILDING HEIGHT
GROUP B AND S ALLOWABLE HEIGHT; 60 FEET HEIGHT
REQUIREMENT - OK
TABLE 504.4 - ALLOWABLE NUMBER OF STORIES
GROUP B = 3 STORIES
GROUP S-1 = 2 STORIES
ACTUAL – 1 STORY WITH MEZZANINE
REQUIREMENT - OK
505 – MEZZANINES AND EQUIPMENT PLATFORMS
505.2 – THE MEZZANINE FLOOR AREA SHALL BE USED TO DETERMINE FIRE AREA.
508 – MIXED USE AND OCCUPANCY
TABLE 508.4 – NO FIRE SEPARATION REQUIRED
508.4 – SEPARATED OCCUPANCY
508.4.1 – OCCUPANCY CLASSIFICATION
GROUP B AND S-1 EACH SHALL BE INDIVIDUALLY CLASSIFIED WITH SECTION 302.1
508.4.2 – ALLOWABLE BUILDING AREA
GROUP B IS 44.5% OF THE OVERALL UNIT.
31.5% X 36,000 = 11,340
GROUP S-1 IS 75% OF THE OVERALL UNIT.
68.5% X 36,000 = 24,660
ALLOWABLE AREA = 15,019 + 27,056 = 36,000
ACTUAL AREA – 6,000 SF
REQUIREMENT – OK
508.4.4 – SEPARATION
NO FIRE SEPARATION IS REQUIRED BETWEEN B AND S-1 OCCUPANCIES AS PER TABLE 508.4

CHAPTER 6: TYPE OF CONSTRUCTION

602.5 TYPE VB – ANY MATERIALS PERMITTED BY CODE.
TABLE 601 – NO FIRE RATING REQUIRED.
TABLE 602 – SEPARATION DISTANCE EXCEED 30'-0" – NO FIRE RATING REQUIRED.

CHAPTER 7: FIRE AND SMOKE PROTECTION FEATURES

705 – EXTERIOR WALLS
705.2.2 – TYPE V CONSTRUCTIONS – PROJECTIONS FROM WALLS SHALL BE OF ANY APPROVED MATERIAL.
705.5 – FIRE RESISTIVE RATING
FIRE SEPARATION DISTANCE > 30' -0"
TABLE 601 – 0 HOUR RATED REQUIREMENTS FOR BUILDING ELEMENTS
TABLE 602 = 0 HOUR RATED EXTERIOR WALLS
707 – FIRE BARRIERS - NOT NEEDED
708 – FIRE PARTITIONS – NOT NEEDED
709 – SMOKE BARRIERS – NOT NEEDED
710 – SMOKE PARTITIONS – NOT NEEDED
711 – HORIZONTAL ASSEMBLIES
711.3 – HORIZONTAL ASSEMBLIES SHALL HAVE A FIRE-RESISTANCE RATING AS REQUIRED BY SECTION 508.4.
712 – VERTICAL OPENINGS
712.1.10 – MEZZANINE – VERTICAL OPENINGS BETWEEN A MEZZANINE COMPLYING WITH SECTION 505 AND THE FLOOR BELOW SHALL BE PERMITTED.
714 – PENETRATIONS SHALL BE PROTECTED IN ACCORDANCE WITH THIS SECTION.
717 – DUCTS OR AIR TRANSFER OPENINGS SHALL BE PROTECTED IN ACCORDANCE WITH THIS SECTION.
718 – CONCEALED SPACES
718.2 – PROVIDE FIREBLOCKING AS REQUIRED BY SECTION 718.2
718.3 – DRAFTSTOPPING IN FLOORS.
718.3.3 – OTHER GROUPS
EXCEPTION #1 – DRAFTSTOPPING IS NOT REQUIRED WITH AUTOMATIC SPRINKLER.
718.4 – DRAFTSTOPPING IN ATTICS
718.4.3 – OTHER GROUPS
EXCEPTION – DRAFTSTOPPING IS NOT REQUIRED WITH AUTOMATIC SPRINKLER SYSTEM.

CHAPTER 8: INTERIOR FINISHES

BUILDING TO COMPLY WITH CHAPTER 8.

CHAPTER 9: FIRE PROTECTION SYSTEMS

903 – AUTOMATIC SPRINKLER SYSTEM
903.1 – AUTOMATIC SPRINKLER SYSTEMS SHALL COMPLY WITH THIS SECTION.
906 – PORTABLE FIRE EXTINGUISHERS
- FIRE EXTINGUISHERS SHALL BE PROVIDED AS PER INTERNATIONAL FIRE CODE
~~ONE FIRE EXTINGUISHER SHALL BE LOCATED WITHIN EVERY 75' OF TRAVEL DISTANCE.~~
907 – FIRE ALARM AND DETECTION SYSTEMS
NO MANUAL FIRE ALARM SYSTEM REQUIRED
907.2.2 – GROUP B – NO MANUAL FIRE ALARM SYSTEM REQUIRED
~~907.2.4 – GROUP S – NO MANUAL FIRE ALARM SYSTEM REQUIRED~~
912 – PROVIDE FIRE DEPARTMENT CONNECTIONS AS REQUIRED BY THE FIRE CHIEF.

CHAPTER 10: MEANS OF EGRESS

1004.1 – OCCUPANT LOAD
BUSINESS AREAS – 1 OCCUPANT PER 100 SF GROSS
WAREHOUSE AREA – 1 OCCUPANT PER 500 SF GROSS
AREA TOTAL S.F. CONVERSION # OF OCCUPANTS
GROUP B – 1,888 SF / 100 = 19 OCCUPANTS
GROUP S-1 – 4,112 SF / 500 = 9 OCCUPANTS
BUILDING TOTAL = 28 OCCUPANTS
1004.3 – POSTING OF OCCUPANT LOAD
- POSTING IS REQUIRED.
~~1005 – MEANS OF EGRESS SIZING~~
1005.3 – STAIRWAY
- STAIRWAYS OK
OTHER COMPONENTS
- EGRESS WIDTH OK
1008 – MEAN OF EGRESS ILLUMINATION
1008.2 – ILLUMINATION LEVEL – REQUIRES ONE FOOTCANDLE AT FLOOR LEVEL
1008.3 – EMERGENCY POWER OF ILLUMINATION – REQUIRED AT EXTERIOR LANDINGS AS REQUIRED BY SECTION 1008.1.6
1009 – ACCESSIBLE MEANS OF EGRESS
1007.1 – ACCESSIBLE MEANS OF EGRESS PROVIDED.
1009.3 – STAIRWAYS
EXCEPTION #1

1010 – DOORS, GATES, AND TURNSTILES
1008.1 – DOORS – MEANS OF EGRESS DOORS SHALL MEET THE REQUIREMENTS OF THIS SECTION.
1010.1.1 – SIZE OF DOORS 36" – OK
1010.1.2 – DOOR SWING – EGRESS DOORS TO BE PIVOTED OR SIDE-HINGED SWINGING TYPE.
1010.1.5 – LANDINGS AT EXTERIOR OF DOORS PERMITTED TO SLOPE 2%
1010.1.9 – DOOR HARDWARE AS PER CHAPTER11, HEIGHT 34" MIN., 48" MAX.
1011 – STAIRWAYS
1011.1 – STAIRWAYS SERVING OCCUPIED PORTIONS OF BUILDING TO COMPLY WITH THIS SECTION.
1011.2 – WIDTH
EXCEPTION 1 – OCCUPANT LOAD LESS THAN 50.
1011.3 – HEADROOM
- STAIRWAYS HEADROOM TO BE AT LEAST 80" IN ACCORDANCE WITH THIS SECTION.
1011.5 – STAIR TREAD AND RISERS
- STAIR TREADS AND RISERS TO COMPLY WITH THIS SECTION.
1011.6 – STAIRWAY LANDINGS
- STAIRWAY LANDINGS TO COMPLY WITH THIS SECTION.
1011 – EXIT SIGNS
1011.1 – EXIT SIGNS REQUIRED:
- WHERE PATH OF EGRESS IS NOT VISIBLE.
- WHERE EXITS MARKED BY EXIT SIGNS
- WHERE EXIT PASSAGE WAY IS MORE THAN 100 FEET
1011.2 – EXIT SIGNS SHALL BE ILLUMINATED.
1015 – GUARDS
1015.2 – WHERE REQUIRED IN MEZZANINES, EQUIPMENT PLATFORMS AND STAIRS
LOCATED MORE THAN 30 INCHES TO THE FLOOR OR GRADE WITHIN 36 INCHES TO THE EDGE OF THE OPEN SIDE.
1015.3 HEIGHT – REQUIRED GUARDS SHALL NOT BE LESS THAN 42 INCHES FROM ADJACENT WALKING SURFACES, ON STAIRS OR ON RAMPS.
1016 – EXIT ACCESS
1016.3 – COMMON PATH OF EGRESS TRAVEL – MEETS REQUIREMENTS.
1015 – EXIT AND EXIT ACCESS DOORWAYS
1015.1.1 – EXIT AND EXIT ACCESS DOORWAYS
-TWO EXITS PROVIDED WHERE REQUIRED
1017 – EXIT ACCESS TRAVEL DISTANCE
TABLE 1017.2 – 250 FEET – OK
1020 CORRIDORS
TABLE 1020.1 – 0 HOURS WITH SPRINKLER SYSTEM
1028 – EXIT DISCHARGE
-BUILDING TO COMPLY WITH THIS SECTION.

CHAPTER 11: ACCESSIBILITY

1104- ACCESSIBLE ROUTE
1104.1 – SITE ARRIVAL POINTS
-REQUIREMENTS – OK
1109 – OTHER FEATURES AND FACILITIES
1109.2 – TOILET AND BATHING FACILITIES
- REQUIREMENTS: OK
1109.5 DRINKING FOUNTAINS
- REQUIREMENTS: OK

CHAPTER 12: INTERIOR ENVIRONMENT

1203 – VENTILATION
-NO ENCLOSED ATTIC SPACE

CHAPTER 29: PLUMBING SYSTEMS

2902 – MINIMUM PLUMBING FACILITIES
WATER CLOSETS
TOTAL MALE OCCUPANTS = 14
TOTAL FEMALE OCCUPANTS = 14
TOTAL WATER CLOSETS PROVIDED 1 MALE/ 1 FEMALE
LAVATORIES
REQUIRED – 2
PROVIDED – 2
DRINKING FOUNTAINS
REQUIRED – 1
~~PROVIDED – 1~~
SERVICE SINK
REQUIRED – 1
PROVIDED – 1