SHAFT ENCLOSURES SHALL BE PERMITTED TO TERMINATE AT A TOP ENCLOSURE

OPENINGS IN A FIRE BARRIER WALL SHALL BE PROTECTED IN ACCORDANCE WITH

COMPLYING WITH SECTION 708.12

707.6

WALLS SEPARATING DWELLING UNITS AND CORRIDOR WALLS MUST BE CONSTRUCTED OF 1 HR FIRE-RESISTIVE-RATED CONSTRUCTION FIRE PARTITIONS SHALL EXTEND FROM THE TOP OF THE FOUNDATION OR FLOOR/CEILING ASSEMBLY BELOW TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, SLAB OR DECK ABOVE OR TO THE FIRE-RESISTANCE-RATED FLOOR/CEILING OR ROOF/CEILING ASSEMBLY ABOVE, AND SHALL BE SECURELY ATTACHED THERETO HORIZONTAL ASSEMBLIES FIRE-RESISTANCE RATING ASSEMBLY SEPARATES MIXED OCCUPANCIES, THE ASSEMBLY SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN THAT REQUIRED BY SECTION 508.4 BASED ON THE OCCUPANCIES BEING SEPARATED. FLOOR AND ROOF ASSEMBLIES SEPARATING DWELLING UNITS MUST BE CONSTRUCTED OF A MINIMUM 1 HR FIRE-RESISTANCE-RATED CONSTRUCTION. OPENING PROTECTIVES FIRE DOOR AND FIRE SHUTTER FIRE PROTECTION RATINGS OPENINGS THROUGH FIRE-RESISTANCE RATED CONSTRUCTION SHALL BE PROTECTED IN ACCORDANCE WITH THE FIRE-PROTECTION RATING INDICATED IN TABLE 715.4 CORRIDOR WALLS - THE MINIMUM FIRE DOOR ASSEMBLY RATING FOR A 1 HOUR ASSEMBLY SHALL BE 1/3 OF THE REQUIRED ASSEMBLY RATING PER TABLE 715.4. CONCEALED SPACES FIREBLOCKING IS REQUIRED AT DOUBLE STUD WALLS, CONCEALED WALL AND SLEEPER SPACES, 10' HORIZONTAL AND VERTICAL CONNECTION SPACES, STAIRWAY STRINGERS, CEILING AND FLOOR OPENINGS, IN COMBUSTIBLE CONSTRUCTION, DRAFTSTOPPING SHALL BE INSTALLED TO SUBDIVIDE FLOOR/CEILING ASSEMBLIES IN THE LOCATIONS PRESCRIBED IN SECTIONS 717.3.2 717.3.1 DRAFTSTOPPING MATERIALS DRAFTSTOPPING CAN BE CONSTRUCTED USING 1/2" GYPSUM BOARD, 3/8" WOOD PANEL OR 3/8" PARTICLE BOARD ADEQUATELY SUPPORTED. GROUPS R-1, R-2, R-3 AND R-4 DRAFTSTOPPING SHALL BE LOCATED ABOVE AND IN LINE WITH DWELLING UNIT AND TENANT SEPARATIONS. DRAFTSTOPPING IS NOT REQUIRED IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1. DRAFTSTOPPING IS NOT REQUIRED IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.2, PROVIDED THAT AUTOMATIC SPRINKLERS ARE ALSO INSTALLED IN THE COMBUSTIBLE CONCEALED DRAFTSTOPPING IN ATTICS IN COMBUSTIBLE CONSTRUCTION, DRAFTSTOPPING SHALL BE INSTALLED TO SUBDIVIDE ATTIC SPACESAND CONCEALED ROOF SPACES IN THE LOCATIONS PRESCRIBED IN SECTIONS 717.4.2 AND 717.4.3. VENTILATION OF CONCEALED ROOF SPACES SHALL BE MAINTAINED IN ACCORDANCE WITH SECTION 1203.2 717.4.2 GROUPS R-1 AND R-2 DRAFTSTOPPING SHALL BE PROVIDED IN ATTICS, MANSARDS, OVERHANGS OR OTHER CONCEALED ROOF SPACES OF GROUP R-2. WHERE CORRIDOR WALLS PROVIDE A SLEEPING UNIT OR DWELLING UNIT SEPARATION, DRAFTSTOPPING SHALL ONLY BE REQUIRED ABOVE ONE OF THE CORRIDOR WALLS. PRAFTSTOPPING IS NOT REQUIRED IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1. IN OCCUPANCIES IN GROUP R-2 THAT DO NOT EXCEED FOUR STORIES ABOVE GRADE PLANE, THE ATTIC SPACE SHALL BE SUBDIVIDED BY DRAFTSTOPS INTO AREAS NOT EXCEEDING 3,000 S.F. OR ABOVE EVERY TWO DWELLING UNITS, WHICHEVER IS SMALLER. DRAFTSTOPPING IS NOT REQUIRED IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.2, PROVIDED THAT AUTOMATIC SPRINKLERS ARE ALSO INSTALLED IN THE COMBUSTIBLE CONCEALED THERMAL-AND SOUND-INSULATING MATERIALS INSULATION MATERIALS SHALL HAVE A FLAME SPREAD INDEX OF NO MORE THAN 25 AND A SMOKE DEVELOPED INDEX OF NO MORE THAN 450 PER 719.2 REFER TO ASTM E 84 OR UL 723 TO DETERMINE MATERIAL IS IN ACCORDANCE. CHAPTER 9 FIRE PROTECTION SYSTEMS 903.2.1.3 GROUP A-3 AN AUTOMATIC FIRE SPRINKLER SYSTEM SHALL BE PROVIDED FOR GROUP A-3 OCCUPANCY WHERE ONE OF THE FOLLOWING CONDITIONS EXISTS: . THE FIRE AREA EXCEEDS 12,000 S.F.; E. THE FIRE AREA HAS AN OCCUPANT LOAD OF 300 OR MORE; OR I. THE FIRE AREA IS LOCATED ON A FLOOR OTHER THAN A LEVEL OF EXIT DISCHARGE AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3 SHALL BE PROVIDED THROUGHOUT ALL BUILDINGS WITH A GROUP R FIRE AREA. 903.2.10 GROUP S-2 ENCLOSED PARKING GARAGES AN AUTOMATIC SPRINKLER SYSTEM SHALL BE PROVIDED THROUGHOUT BUILDINGS CLASSIFIED AS ENCLOSED PARKING GARAGES IN ACCORDANCE WITH SECTION 406.4 903.3.1.1 NFPA 13 SPRINKLER SYSTEMS WHERE THE PROVISIONS OF THIS CODE REQUIRE THAT A BUILDING OR PORTION THEREOF BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH THIS SECTION, SPRINKLERS SHALL BE INSTALLED THROUGHOUT IN ACCORDANCE WITH NFPA 13 EXCEPT AS PROVIDED IN SECTION 903.3.1.1.1. 903.3.1.2 NFPA 13R SPRINKLER SYSTEMS WHERE ALLOWED IN BUILDINGS OF GROUP R, UP TO AND INCLUDING FOUR STORIES IN HEIGHT, AUTOMATIC SPRINKLER SYSTEMS SHALL BE INSTALLED THROUGHOUT IN CCORDANCE WITH NFPA 13R. 903.3.1.2.1 BALCONIES AND DECKS SPRINKLER PROTECTION SHALL BE PROVIDED FOR EXTERIOR BALCONIES. DECKS AND GROUND FLOOR PATIOS OF DWELLING UNITS WHERE THE BUILDING IS OF TYPE V CONSTRUCTION, PROVIDED THERE IS A ROOF OR DECK ABOVE. FIRE ALARM AND DETECTION SYSTEMS GROUP R-2 FOR ALARM SYSTEMS, SEE SECTION 907 OF THE FIRE CODE. SINGLE- AND MULTIPLE-STATION SMOKE ALARMS SMOKE ALARMS SHALL BE INSTALLED AND MAINTAINED REGARDLESS OF OCCUPANT LOAD IN ALL OF THE FOLLOWING LOCATIONS: 1. ON THE CEILING OR WALL OUTSIDE EVERY SLEEPING AREA 2. INSIDE EACH ROOM USED FOR SLEEPING PURPOSES 3. IN EACH STORY WITHIN A DWELLING UNIT INCLUDING BASEMENTS 907.5.2.3.4 GROUP R-2 IN GROUP R-2 OCCUPANCIES REQUIRED TO HAVE FIRE ALARM SYSTEMS PER SECTION 907 ALL DWELLING UNITS SHALL BE PROVIDED WITH THE CAPABILITY O SUPPORT VISUAL ALARM NOTIFICATION APPLIANCES IN ACCORDANCE WITH ICC/ANSI A117.1 AND TABLE 907.5.2.3.3 CHAPTER 10 MEANS OF EGRESS DEFINITIONS FLOOR AREA, GROSS THE FLOOR AREA WITHIN THE INSIDE PERIMETER OF THE EXTERIOR WALLS OF THE BUILDING UNDER CONSIDERATION, EXCLUSIVE OF VENT SHAFTS AND COURTS. WITHOUT DEDUCTION FOR CORRIDORS, STAIRWAYS, CLOSETS, THE THICKNESS OF INTERIOR WALLS, COLUMNS OR OTHER FEATURES. THE FLOOR AREA OF A BUILDING, OR PORTION THEREOF, NOT PROVIDED WITH SURROUNDING EXTERIOR WALLS SHALL BE USABLE ARE UNDER THE HORIZONTAL PROJECTION OF THE ROOF OR FLOOR ABOVE. THE GROSS FLOOR AREA SHALL NOT INCLUDE SHAFTS WITH NO OPENINGS OR INTERIOR COURTS. FLOOR AREA, NET THE ACTUAL OCCUPIED AREA NOT INCLUDING UNOCCUPIED ACCESSORY AREAS SUCH AS CORRIDORS, STAIRWAYS, TOILET ROOMS, MECHANICAL ROOMS OR CLOSETS. STAIRWAY, EXTERIOR A STAIRWAY THAT IS OPEN ON AT LEAST ONE SIDE, EXCEPT FOR REQUIRED STRUCTURAL COLUMNS, BEAMS, HAND RAILS AND GUARDS. THE ADJOINING OPEN AREAS SHALL BE EITHER YARDS, COURTS OR PUBLIC WAYS. THE OTHER SIDES OF OF THE EXTERIOR STAIRWAY NEED NOT BE OPEN. GENERAL MEANS OF EGRESS CEILING HEIGH 7'-6" MINIMUM A.F.F. HEADROOM MINIMUM HEADROOM= 80" POST-MOUNTED OBJECTS OBJECTS MOUNTED ON A POST OR PYLON SHALL NOT OVERHANG MORE THAN 12" WHERE LOWEST POINT IS MORE THAN 27" & LESS THAN 80" A.F.F. 1003.3.3 HORIZONTAL PROJECTIONS

STRUCTURAL ELEMENTS, FIXTURES OR FURNISHINGS SHALL NOT PROJECT HORIZONTALLY FROM EITHER SIDE MORE THAN 4" OVER ANY WALKING SURFACE

HANDRAILS ARE PERMITTED TO PROTRUDE 4 1/2 INCHES FROM THE WALL.

BETWEEN THE HEIGHTS OF 27 INCHES AND 80 INCHES ABOVE THE WALKING SURFACE.

OCCUPANT LOAD MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT 1004.1.1 200 GROSS RESIDENTIAL 200 GROSS PARKING GARAGES 50 GROSS EXERCISE ROOMS ASSEMBLY (WITHOUT FIXED SEATS) STANDING SPACE UNCONCENTRATED (TABLES & CHAIRS) EGRESS WIDTH DOOR ENCROACHMENT DOORS OPENING INTO PATH OF EGRESS TRAVEL SHALL NOT REDUCE THE REQUIRED WIDTH TO LESS THAN ONE-HALF DURING THE COURSE OF THE SWING. WHEN FULLY OPEN, THE DOOR SHALL NOT PROJECT MORE THAN 7" INTO THE REQUIRED WIDTH. ACCESSIBLE MEANS OF EGRESS 1007.6 AREAS OF REFUGE EVERY REQUIRED AREA OF REFUGE SHALL BE ACCESSIBLE FROM THE SPACE IT SERVES BY AN ACCESSIBLE MEANS OF EGRESS. THE MAXIMUM TRAVEL DISTANCE FROM ANY ACCESSIBLE SPACE TO AN AREA OF REFUGE SHALL NOT EXCEED THE TRAVEL DISTANCE PERMITTED FOR THE OCCUPANCY IN ACCORDANCE WITH SECTION 1016.1. EVERY REQUIRED AREA OF REFUGE SHALL HAVE DIRECT ACCESS TO A STAIRWAY WITHIN AN EXIT ENCLOSURE COMPLYING WITH SECTIONS 1007.3 AND 1022 OR AN ELEVATOR COMPLYING WITH SECTION 1007.4 EACH AREA OF REFUGE SHALL BE SIZED TO ACCOMMODATE ONE WHEELCHAIR SPACE OF 30 INCHES BY 48 INCHES FOR EACH 200 OCCUPANTS OR PORTION THEREOF, BASED ON THE OCCUPANT LOAD OF THE AREA OF REFUGE AND AREAS SERVED BY THE AREA OF REFUGE. SUCH WHEELCHAIR SPACES SHALL NOT REDUCE THE REQUIRED MEANS OF EGRESS WIDTH. ACCESS TO ANY OF THE REQUIRED WHEELCHAIR SPACES IN AN AREA OF REFUGE SHALL NOT BE OBSTRUCTED BY MORE THAN ONE ADJOINING WHEELCHAIR SPACE. EACH AREA OF REFUGE SHALL BE SEPARATED FROM THE REMAINDER OF THE STORY BY A SMOKE BARRIER COMPLYING WITH SECTION 710 OR A HORIZONTAL EXIT COMPLYING WITH SECTION 1025. EACH AREA OF REFUGE SHALL BE DESIGNED TO MINIMIZE THE INTRUSION OF SMOKE. AREAS OF REFUGE LOCATED WITHIN AN EXIT ENCLOSURE 1007.6.3 TWO-WAY COMMUNICATION AREAS OF REFUGE SHALL BE PROVIDED WITH A TWO-WAY COMMUNICATION SYSTEM COMPLYING WITH SECTIONS 1007.8.1 AND 1007.8. IN AREAS OF REFUGE AND EXTERIOR AREAS FOR ASSISTED RESCUE, INSTRUCTIONS ON THE USE OF THE AREA UNDER EMERGENCY CONDITIONS SHALL BE POSTED. THE INSTRUCTIONS SHALL INCLUDE ALL OF THE FOLLOWING: 1. PERSONS ABLE TO USE THE EXIT STAIRWAY DO SO AS SOON AS POSSIBLE, UNLESS THEY ARE ASSISTING OTHERS. 2. INFORMATION ON PLANNED AVAILABILITY OF ASSISTANCE IN THE USE OF STAIRS OR SUPERVISED OPERATION OF ELEVATORS AND HOW TO SUMMON SUCH ASSISTANCE 3. DIRECTIONS FOR USE OF THE TWO-WAY COMMUNICATIONS SYSTEMS WHERE DOORS, GATES AND TURNSTILES MINIMUM 32" CLEAR OPENING FROM DOOR FACE AT 90 DEGREES OPEN TO CLOSING JAMB. MINIMUM HEAD HEIGHT IS 80" THE ENTRANCE DOORS IN A MEANS OF EGRESS IN BUILDINGS WITH AN OCCUPANCY IN A GROUP A, B, E, M, R-1 OR R-2 AND ENTRANCE DOORS TO TENANT SPACES IN OCCUPANCIES IN GROUP A, B, E, M, R-1 AND R-2 ARE PERMITTED TO BE EQUIPPED WITH AN APPROVED ENTRANCE AND EGRESS ACCESS CONTROL SYSTEM WHICH SHALL BE INSTALLED IN ACCORDANCE WITH (1008.1.3.4.1 THROUGH 1008.1.3.4.6) LANDINGS SHALL HAVE A WIDTH NOT LESS THAN THE WIDTH OF THE STAIRWAY OR THE DOOR, WHICHEVER IS GREATER. DOORS IN THE FULLY OPEN POSITION SHALL NOT REDUCE A REQUIRED DIMENSION BY MORE THAN 7 INCHES. DOORS IN ANY POSITION SHALL NOT REDUCE THE LANDING TO LESS THAN ONE-HALF LANDINGS SHALL HAVE A LENGTH MEASURED IN THE DIRECTION OF TRAVEL OF NOT LESS THAN 44 INCHES. LANDING LENGTH IN THE DIRECTION OF TRAVEL IN GROUPS R-3 AND U AND WITHIN INDIVIDUAL UNITS OF GROUP R-2 NEED NOT EXCEED 36 INCHES. STAIRWAYS THE WIDTH OF STAIRWAYS SHALL BE DETERMINED AS SPECIFIED IN SECTION 1005.1, BUT SHALL NOT BE LESS THAN 44 INCHES. STAIRWAYS SHALL HAVE A MINIMUM HEADROOM CLEARANCE OF 80 INCHES MEASURED VERTICALLY FROM A LINE CONNECTING THE EDGE OF THE NOSINGS. THE MINIMUM CLEARANCE SHALL BE MAINTAINED THE FULL WIDTH OF THE STAIRWAY 1009.4 STAIR TREADS AND RISERS
STAIR RISER HEIGHTS SHALL BE 7 INCHES MAXIMUM AND 4 INCHES MINIMUM.
STAIR TREAD DEPTHS SHALL BE 11 INCHES MINIMUM. IN GROUP R-3 OCCUPANCIES; WITHIN DWELLING UNITS IN GROUP R-2 OCCUPANCIES; AND IN GROUP U OCCUPANCIES THAT ARE ACCESSORY TO A GROUP R-3 OCCUPANCY OR ACCESSORY TO INDIVIDUAL DWELLING UNITS IN GROUP R-2 OCCUPANCIES; THE MAXIMUM RISER HEIGHT SHALL BE 7.75 INCHES. THE MINIMUM TREAD DEPTH SHALL BE STAIRWAY LANDINGS EVERY LANDING SHALL HAVE A MINIMUM DIMENSION MEASURED IN THE DIRECTION OF TRAVEL EQUAL TO THE WIDTH OF THE STAIRWAY. SUCH DIMENSION NEED NOT EXCEED 48 INCHES WHERE THE STAIRWAY HAS A STRAIGHT RUN. 1009.6.3 ENCLOSURES UNDER STAIRWAYS THE WALLS AND SOFFITS WITHIN ENCLOSED USABLE SPACES UNDER ENCLOSED AND UNENCLOSED STAIRWAYS SHALL BE PROTECTED BY 1-HOUR DIRE-RESISTANCE-RATED CONSTRUCTION OR THE FIRE-RESISTANCE RATING OF THE STAIRWAY ENCLOSURE, WHICHEVER IS GREATER. SPACES UNDER STAIRWAYS SERVING AND CONTAINED WITHIN A SINGLE RESIDENTIAL DWELLING UNIT IN GROUP R-2 OR R-3 SHALL BE PERMITTED TO BE PROTECTED ON THE ENCLOSED SIDE WITH 0.5 INCH GYPSUM BOARD. THE OPEN SPACE UNDER EXTERIOR STAIRWAYS SHALL NOT BE USED FOR ANY PURPOSE. STAIRWAYS SHALL HAVE HANDRAILS ON EACH SIDE AND SHALL COMPLY WITH SECTION 1012. STAIRWAYS WITHIN DWELLING UNITS, SPIRAL STAIRWAYS AND AISLE STAIRS SERVING SEATING ONLY ON ONE SIDE ARE PERMITTED TO HAVE A HANDRAIL ON ONE SIDE ONLY. 1010 1010.2 RAMPS USED AS A PART OF MEANS OF EGRESS SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN ONE UNIT VERTICAL IN 12 UNITS HORIZONTAL (8 PERCENT SLOPE) THE SLOPE OF OTHER PEDESTRIAN RAMPS SHALL NOT BE STEEPER THAN ONE UNIT VERTICAL IN 8 UNITS HORIZONTAL (12.5 PERCENT SLOPE) THE RISE FOR ANY RAMP RUN SHALL BE 30 INCHES MAXIMUM. 1010.6.3 LENGTH (LANDINGS)
THE LANDING LENGTH SHALL BE 60 INCHES MINIMUM. LANDINGS IN NON-ACCESSIBLE GROUP R-2 AND R-3 INDIVIDUAL DWELLING UNITS ARE PERMITTED TO BE 36 INCHES MINIMUM. WHERE THE RAMP IS NOT PART OF AN ACCESSIBLE ROUTE, THE LENGTH OF THE LANDING SHALL NOT BE REQUIRED TO BE MORE THAN 48 INCHES IN THE DIRECTION WHERE DOORWAYS ARE LOCATED ADJACENT TO A RAMP LANDING, MANEUVERING CLEARANCES REQUIRED BY ICC A117.1 ARE PERMITTED TO OVERLAP THE REQUIRED RAMPS WITH A RISE GREATER THAN 6 INCHES SHALL HAVE HANDRAILS ON BOTH SIDES. WHERE REQUIRED EXIT ACCESS DOORS REQUIRE EXIT SIGNS VISIBLE FROM FROM ANY DIRECTION EXIT SIGNS ARE NOT REQUIRED IN DWELLING UNITS OF GROUP R-2 HANDRAILS HANDRAIL HEIGHT, MEASURED ABOVE STAIR TREAD NOSING, OR FINISH SURFACE OF RAMP SLOPE SHALL BE UNIFORM, NOT LESS THAN 34 INCHES AND NOT MORE THAN HANDRAILS SHALL RETURN TO A WALL, GUARD OR THE WALKING SURFACE OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT OR RAMP RUN. AT STAIRWAYS WHERE HANDRAILS ARE NOT CONTINUOUS BETWEEN FLIGHTS, THE HANDRAILS SHALL EXTEND HORIZONTALLY AT LEAST 12 INCHES BEYOND THE TOP RISER AND CONTINUE TO SLOPE FOR THE DEPTH OF ONE TREAD BEYOND THE BOTTOM RISER. AT RAMPS WHERE HANDRAILS ARE NOT CONTINUOUS BETWEEN RUNS, THE HANDRAIL SHALL EXTEND HORIZONTALLY ABOVE THE LANDING 12 INCHES MINIMUM BEYOND THE TOP AND BOTTOM RAMPS.

HANDRAILS WITHIN A DWELLING UNIT THAT IS NOT REQUIRED TO BE ACCESSIBLE

NEED EXTEND ONLY FROM THE TOP RISER TO THE BOTTOM RISER.

WHERE REQUIRED GUARDS SHALL BE LOCATED ALONG OPEN-SIDED WALKING SURFACES, MEZZANINES, INDUSTRIAL EQUIPMENT PLATFORMS, STAIRWAYS, RAMPS AND LANDINGS THAT ARE LOCATED MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW AND WITHIN 36 INCHES FROM THE CHANGE IN LEVEL. 1013.3 OPENING LIMITATIONS OPEN GUARDS SHALL HAVE BALUSTERS OR ORNAMENTAL PATTERNS SUCH THAT A 4-INCH-DIAMETER SPHERE CANNOT PASS THROUGH ANY OPENING UP TO A HEIGHT FROM A HEIGHT OF 34 INCHES TO 42 INCHES ABOVE THE ADJACENT WALKING SURFACES, A SPHERE 8 INCHES IN DIAMETER SHALL NOT PASS. WITHIN INDIVIDUAL DWELLING UNITS AND SLEEPING UNITS IN GROUP R-2 AND R-3 OCCUPANCIES, GUARDS ON THE OPEN SIDE OF STAIRS SHALL NOT HAVE OPENINGS WHICH ALLOW PASSAGE OF A SPHERE 4 3/8 INCHES IN DIAMETER. 1014 THE EXIT ACCESS ARRANGEMENT SHALL COMPLY WITH SECTIONS 1014 THROUGH 1019 AND THE APPLICABLE PROVISIONS OF SECTIONS 1003 THROUGH 1013. COMMON PATH OF EGRESS TRAVEL IN OCCUPANCIES OTHER THAN GROUPS H-1, H-2 AND H-3, THE COMMON PATH OF EGRESS TRAVEL SHALL NOT EXCEED 75 FEET. THE LENGTH OF A COMMON PATH OF EGRESS TRAVEL IN A GROUP R-2 OCCUPANCY SHALL NOT BE MORE THAN 125 FEET, PROVIDED THAT THE BUILDING IS PROTECTED THROUGHOUT WITH AN APPROVED AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 AND 903.3.1.2.. EXIT AND EXIT ACCESS DOORWAYS 1015.1 EXIT OR EXIT ACCESS DOORWAYS FROM SPACES TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED WHERE ONE OF THE FOLLOWING CONDITIONS EXIST: 1. THE OCCUPANT LOAD OF THE SPACE EXCEEDS ON OF THE VALUES IN TABLE 1015.1. IN GROUPS R-2 AND R-3 OCCUPANCIES, ONE MEANS OF EGRESS IS PERMITTED WITHIN AND FROM INDIVIDUAL DWELLING UNITS WITH A MAXIMUM OCCUPANT LOAD OF 20 WHERE THE DWELLING UNIT IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2. 2. THE COMMON PATH OF EGRESS TRAVEL EXCEEDS ONE OF THE LIMITATIONS OF 3. WHERE REQUIRED BY SECTION 1015.3, 1015.4, 1015.5, 1015.6 OR 1015.6.1. 1016 EXIT ACCESS TRAVEL DISTANCE EXIT ACCESS TRAVEL DISTANCE WITHOUT SPRINKLER SYSTEM OCCUPANCY A AND R MAXIMUM TRAVEL DISTANCE IS 200 FEET (NFPA 13 OR NFPA 13R) OCCUPANCY S-2 AND U MAXIMUM TRAVEL DISTANCE IS 300 FEET (NFPA 13) OCCUPANCY A AND R MAXIMUM TRAVEL DISTANCE IS 250 FEET (NFPA 13 OR NFPA 13R) OCCUPANCY S-2 AND U MAXIMUM TRAVEL DISTANCE IS 400 FEET (NFPA 13) 1018 CORRIDORS CONSTRUCTION CORRIDORS SHALL BE FIRE-RESISTANCE RATED IN ACCORDANCE WITH TABLE 1018.1. • EXCEPTION 2 A FIRE-RESISTANCE RATING IS NOT REQUIRED FOR CORRIDORS CONTAINED WITHIN A DWELLING OR SLEEPING UNIT IN AN OCCUPANCY IN GROUP R. A FIRE-RESISTANCE RATING IS NOT REQUIRED FOR CORRIDORS IN OPEN PARKING THE MINIMUM CORRIDOR WIDTH SHALL BE DETERMINED IN SECTION 1005.1, BUT NOT LESS THAN 44 INCHES. EXCEPTION 2 THIRTY-SIX INCHES WITH A REQUIRED OCCUPANT CAPACITY OF LESS THAN 50. EXCEPTION 3 THIRTY-SIX INCHES WITHIN A DWELLING UNIT. WHERE MORE THAN ONE EXIT OR EXIT ACCESS DOORWAY IS REQUIRED, THE EXIT ACCESS SHALL BE ARRANGED SUCH THAT THERE ARE NO DEAD ENDS IN CORRIDORS MORE THAN 20 FEET IN LENGTH. A DEAD-END CORRIDOR SHALL NOT BE LIMITED IN LENGTH WHERE THE LENGTH OF THE DEAD-END CORRIDOR IS LESS THAN 2.5 TIMES THE LEAST WIDTH OF THE DEAD-END EXTERIOR EXIT DOORS SHALL LEAD DIRECTLY TO THE EXIT DISCHARGE OR THE PUBLIC NUMBER OF EXITS AND CONTINUITY MINIMUM NUMBER OF EXITS FOR OCCUPANT LOAD (PERSONS PER STORY) 2 EXITS FOR OCCUPANT LOADS LESS THAN 500. 3 EXITS FOR OCCUPANT LOADS GREATER THAN 500 BUT LESS THAN 1,001 4 EXITS FOR OCCUPANT LOADS GREATER THAN 1,000 STORIES WITH ONE EXIT BUILDINGS CLASSIFIED AS GROUP R-2 EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.1.1 OR 903.1.2 AND PROVIDED WITH EMERGENCY ESCAPE AND RESCUE OPENINGS IN ACCORDANCE WITH SECTION 1026 SHALL HAVE A MAXIMUM HEIGHT OF THREE STORIES ABOVE GRADE PLANE. EXIT ENCLOSURES 1022.1 ENCLOSURES REQUIRED INTERIOR EXIT STAIRWAYS SHALL BE ENCLOSED WITH 1HR FIRE-RESISTANCE RATED CONSTRUCTION IF LESS THAN 4 STORIES AND 2HR FIRE-RESISTANCE RATED ONSTRUCTION IS REQUIRED FOR VERTICAL EXIT ENCLOSURES FOUR STORIES STAIRWAYS SERVING AND CONTAINED WITHIN A SINGLE RESIDENTIAL DWELLING JNIT OR SLEEPING UNIT IN GROUP R-1, R-2 OR R-3 OCCUPANCIES ARE NOT REQUIRED EXTERIOR EXIT RAMPS AND STAIRWAYS 1026.3 OPEN ON AT LEAST ONE SIDE WITH A MINIMUM OF 35 SQ. FT. OPENING AT 42" A.F.F. AT EACH FLOOR LEVEL AND INTERMEDIATE LANDINGS. EXTERIOR RAMPS AND STAIRWAY PROTECTION EXTERIOR EXIT STAIRWAYS AND RAMPS SHALL BE SEPARATED FROM INTERIOR OF BUILDING AS REQUIRED IN SECTION 1020.1. OPENINGS SHALL BE LIMITED TO THOSE NECESSARY FOR EGRESS FROM NORMALLY OCCUPIED SPACES. SEPARATION FROM THE INTERIOR OF THE BUILDING IS NOT REQUIRED FOR EXTERIOR RAMPS OR STAIRWAYS CONNECTED TO OPEN-ENDED CORRIDORS, PROVIDED THAT ITEMS 4.1 THROUGH 4.4 ARE MET: 4.1 THE BUILDING, INCLUDING CORRIDORS AND RAMPS AND/OR STAIRS, SHALL BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.1.1 OR 903.1.2. 4.2 THE OPEN-ENDED CORRIDORS COMPLY WITH SECTION 1017. 4.3 THE OPEN-ENDED CORRIDORS ARE CONNECTED ON EACH END TO AN EXTERIOR EXIT RAMP OR STAIRWAY COMPLYING WITH SECTION 1023. 4.4 AT ANY LOCATION IN AN OPEN-ENDED CORRIDOR WHERE A CHANGE OF DIRECTION EXCEEDING 45 DEGREES OCCURS, A CLEAR OPENING OF NOT LESS THAN 35 S.F. OR AN EXTERIOR RAMP OR STAIRWAY SHALL BE PROVIDED. WHERE CLEAR OPENINGS ARE PROVIDED, THEY SHALL BE LOCATED SO AS TO MINIMIZE THE ACCUMULATION OF SMOKE OR TOXIC GASES. CHAPTER 11 ACCESSIBILITY ACCESSIBLE ENTRANCES PUBLIC ENTRANCES AT LEAST 60 PERCENT OF ALL PUBLIC ENTRANCES SHALL BE ACCESSIBLE PARKING AND PASSENGER LOADING FACILITIES 2 PERCENT, BUT NOT LESS THAN ONE, OF TOTAL PARKING LOCATED ON SHORTEST ACCESSIBLE ROUTE TO AN ACCESSIBLE ENTRANCE. WHERE PARKING IS PROVIDED WITHIN OR BENEATH A BUILDING, ACCESSIBLE PARKING SPACES SHALL ALSO BE PROVIDED WITHIN OR BENEATH THE BUILDING. 1106.5 VAN SPACES 1 VAN ACCESSIBLE PARKING SPACE FOR EVERY 6 ACCESSIBLE PARKING SPACES DWELLING UNITS AND SLEEPING UNITS 1107.6 GROUP R EVERY GROUND FLOOR DWELLING UNIT TO BE IN ACCORDANCE WITH ANSI TYPE 'B' AND FAIR HOUSING -AT LEAST 2% OF TOTAL DWELLING UNITS TO BE TYPE 'A' (ANSI) UNITS TO COMPLY WITH ICC/ANSI117.1 PER 1107.6.2.1.1

CHAPTER 12 INTERIOR ENVIRONMENT 1203.2 ATTIC SPACES THE NET FREE VENTILATING AREA SHALL NOT BE LESS THAN 1/300 OF THE AREA OF THE SPACE VENTILATED, WITH 50 PERCENT OF THE REQUIRED VENTILATING AREA PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED AT LEAST 3 FEET ABOVE EAVE OR CORNICE VENTS WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS. THE MINIMUM NET GLAZED AREA SHALL NOT BE LESS THAN 8 PERCENT OF THE FLOOR AREA OF THE ROOM SERVED. REVISIONS ADJOINING SPACES FOR ADJOINING ROOMS WITH COMMON WALLS GLAZING SHOULD BE 1/10 FLOOR AREA ARTIFICIAL LIGH MO9-19-2011 CITY COMMENT WHEN USING THE ARTIFICIAL LIGHT PROVISIONS OF SECTION 1205.3 FOR RESIDENTIAL USES, NATURAL LIGHT SHALL BE PROVIDED FOR HABITABLE ROOMS IN ACCORDANCE COURTS MORE THAN TWO STORIES IN HEIGHT SHALL BE PROVIDED WITH A HORIZONTAL AIR INTAKE AT THE BOTTOM NOT LESS THAN 10 SQUARE FEET IN AREA AND LEADING TO THE EXTERIOR OF THE BUILDING UNLESS ABUTTING A YARD OR

AIRBORNE SOUND-STRUCTURES MUST HAVE STC OF 50 (45 FIELD TESTED) FOR AIRBORNE NOISE STRUCTURE BORNE SOUND-STRUCTURES SHALL HAVE A IIC=50 (45 FIELD TESTED) FOR IMPACT NOISE. STRUCTURE BORNE SOUND-STRUCTURES—SHALL HAVE A IIC=50 (45 FIELD TESTED) FOR IMPACT NOISE.

WINDOWS AND DOORS INSTALLED IN EXTERIOR WALLS SHALL CONFORM TO THE TESTING AND PERFORMANCE REQUIREMENTS OF SECTION 1715.5.

WINDOWS AND DOORS SHALL BE INSTALLED IN ACCORDANCE WITH APPROVED MANUFACTURER'S INSTRUCTIONS. FASTENER SIZE AND SPACING SHALL BE PROVIDED IN SUCH INSTRUCTIONS AND SHALL BE CALCULATED BASED ON MAXIMUM LOADS AND

IN OCCUPANCY GROUPS R-2 AND R-3, ONE AND TWO-FAMILY AND MULTIPLE-FAMILY DWELLING, WHERE THE OPENING OF THE SILL PORTION OF AN OPERABLE WINDOW IS LOCATED MORE THAN 72 INCHES ABOVE THE FINISHED GRADE OR OTHER SURFACE

BELOW, THE LOWEST PART OF THE CLEAR OPENING OF THE WINDOW SHALL BE AT A HEIGHT NOT LESS THAN 24 INCHES ABOVE THE FINISHED FLOOR SURFACE OF THE ROOM IN WHICH THE WINDOW IS LOCATED. GLAZING BETWEEN THE FLOOR AND A HEIGHT OF 24 INCHES SHALL BE FIXED OR HAVE OPENINGS THROUGH WHICH A 4-INCH DIAMETER SPHERE CANNOT PASS.

BALCONIES SHALL BE TYPE V 1-HR RATED PER TABLE 601 OR TYPE IV CONSTRUCTION PER SECTION 602.4 (HEAVY TIMBER 8X8 COLUMN PER SECTION 721.6.3).

CEMENT. FIBER-CEMENT OR GLASS MAT GYPSUM BACKERS IN COMPLIANCE WITH

ASTM C1178, C 1288 OR C1325 AND INSTALLED IN ACCORDANCE WITH MANUFACTURER

RECOMMENDATIONS SHALL BE USED AS A BASE FOR WALL TILE IN TUB AND SHOWER AREAS AND WALL AND CEILING PANELS IN SHOWER AREAS, WATER-RESISTANT GYPSUM BACKER BOARD SHALL BE USED AS A BASE FOR TILE IN WATER CLOSET

COMPARTMENT WALLS WHEN INSTALLED IN ACCORDANCE WITH GA-216 OR ASTM C840

OPENINGS THAT ARE PROVIDED WITH WINDOW GUARDS THAT COMPLY WITH ASTM F 2006 OR F 2090.

COMBUSTIBLE MATERIALS ON THE EXTERIOR SIDE OF EXTERIOR WALLS

ALLOWS PROTECTION BY SPRINKLERS PER SECTION 903.3.1.2

1205

LIGHTING

AIR-BORNE SOUND

CHAPTER 14 EXTERIOR WALLS

1405.13 EXTERIOR WINDOWS AND DOORS

1405.13.1 INSTALLATION

INSTALLATION OF WALL COVERINGS

SPACES USED IN TESTS.

BALCONIES AND SIMILAR PROJECTIONS

CHAPTER 25 GYPSUM BOARD AND PLASTER

2509 GYPSUM BOARD IN SHOWERS AND WATER CLOSETS

AND MANUFACTURER RECOMMENDATIONS.

BASE FOR TILE

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DATE

08-05-201

PROJECT

SHEET NUMBER

CODE ANALYSIS