



LEGEND

- (FT) COMMON PATH OF TRAVEL (IN FEET)
- HS FIRE ALARM AUDIO/VISUAL
- HS FIRE ALARM AUDIO/VISUAL (15 CANDELA)
- FE FIRE EXTINGUISHER (NOTES 6/A0 & 15/LS2)
- EXIT LIGHT ILLUMINATED (UNSWITCHED)
- EMERGENCY BATTERY UNIT (2 HEADS) 6V DC-10.8 WATTS FOR 90 MINUTES
- SPRINKLER TAMPER SWITCH
- SPRINKLER FLOW SWITCH
- SMOKE DETECTOR/HEAT DETECTOR USED FOR ELEVATOR RECALL OR ELEVATOR POWER SHUTDOWN- WILL NOT ACTIVATE BUILDING EVACUATION ALARM SYSTEM

ENTIRE BUILDING SPRINKLERED PER NFPA 13

- SUMMARY**
 EXISTING THREE STORY PLACE OF RELIGIOUS WORSHIP
 ASSEMBLY OCCUPANCY - GROUP A-3, TYPE V CONSTRUCTION
- OCCUPANT LOAD FACTOR -
 BENCH SEATING : 18" LINEAL FEET TO EACH OCCUPANT
 LESS CONCENTRATED WITHOUT FIXED SEATING (15 SQUARE FEET NET PER OCCUPANT)
 FIRST FLOOR ASSEMBLY 133 OCCUPANTS
 SECOND FLOOR ASSEMBLY 212 OCCUPANTS
 THIRD FLOOR ASSEMBLY 100 OCCUPANTS
 TOTAL LOAD 445 OCCUPANTS
 - EGRESS CAPACITY:
 0.3 INCHES WIDTH PER PERSON - STAIRS
 0.2 INCHES WIDTH PER PERSON - LEVEL OR RAMPS
 - OCCUPANT NOTIFICATION -
 AUTOMATICALLY TRANSMITTED OR LIVE VOICE EVACUATION OR RELOCATION INSTRUCTIONS SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 72 AND *American National Standard for Accessible and Usable Buildings and Facilities (ADA)*.
- a) AUTOMATICALLY TRANSMITTED OR LIVE VOICE EVACUATION OR RELOCATION INSTRUCTIONS MAY BE PROVIDED VIA VOICE COMMUNICATION OR PUBLIC ADDRESS SYSTEM COMPLYING WITH THE FOLLOWING:
- CONSTANTLY ATTENDED RECEIVING STATION BY PERSONNEL TRAINED TO RESPOND TO AN EMERGENCY.
 - AN APPROVED SECONDARY POWER SUPPLY FOR OTHER THAN EXISTING, PREVIOUSLY APPROVED SYSTEMS.
 - SYSTEM SHALL BE AUDIBLE ABOVE THE EXPECTED AMBIENT NOISE LEVEL.
 - EMERGENCY ANNOUNCEMENTS SHALL TAKE PRECEDENCE OVER ANY OTHER USE.
- MINIMUM NUMBER OF EXITS: TWO (SUPERVISED AUTOMATIC SPRINKLER PER NFPA 13)
 - COMMON PATH OF TRAVEL: 75 FEET SERVING NOT MORE THAN 50 OCCUPANTS. DEAD END CORRIDORS NOT TO EXCEED 20 FEET
 - EXIT ACCESS TRAVEL DISTANCE - NOT TO EXCEED 200 FEET
 - EXIT PASSAGEWAYS - 1 HOUR FIRE RATED SEPARATION
- ARRANGEMENT OF MEANS OF EGRESS - EXIT ACCESS MINIMUM ONE THIRD DISTANCE LOCATED AT NOT LESS THAN ONE-THIRD THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA MEASURED IN A STRAIGHT LINE TO THE NEAREST EDGE OF EXITS.
- CONSTRUCTION CLASSIFICATION:
 EXISTING - TYPE V (B) CONSTRUCTION (WOOD, BALLOON FRAMED)
 NEW - TYPE V (B) CONSTRUCTION
 - MODIFIED ASSEMBLY TYPE
 CONFORMING TO ASTM E119
 a) MAINTAIN STRUCTURAL STABILITY
 b) LIMIT TRANSMISSION OF HEAT
 c) LIMIT TRANSMISSION OF HOT GASES
- Ten Fire Rules developed by T.Z. Harmathy
 Rule #2 - THE FIRE ENDURANCE OF THE CONSTRUCTION DOES NOT DECREASE WITH THE ADDITION OF FURTHER LAYERS.
 - ASSEMBLIES CONSIST OF:
 a) FIRE RETARDANT TREATED FRAMING LUMBER & SHEATHING
 b) 1" INSULATION BOARD-SURFACE BURNING CHARACTERISTICS (PER ASTM 84) FLAME SPREAD/SMOKE DEVELOPED 15/140.
 c) 5/8" DENSGLOSS FIREGUARD SHEATHING-SURFACE BURNING CHARACTERISTICS (PER ASTM 84) FLAME SPREAD/SMOKE DEVELOPED 0/0.
 d) CLASS A ROOF COVERING (MIN CLASS B COVERING)
- DISTANCE TO ADJACENT BUILDING (MAXIMUM 10% WALL OPENINGS).
 - EXTERIOR WALL LESS THAN 10 FEET DISTANCE TO ADJACENT BUILDING REQUIRES 1 HOUR FIRE RESISTANCE RATING FOR EXPOSURE TO FIRE FROM BOTH SIDES.
 - OPENINGS IN EXIT ENCLOSURE EXTERIOR WALLS WITHIN 10 FEET SHALL HAVE A FIRE PROTECTION RATING OF NOT LESS THAN 1/2 HOUR.
- THREE STORY STAIRS - MINIMUM STAIR WIDTH - 44 INCHES
 - 1 HOUR FIRE RATED ENCLOSURE
 TWO EXISTING STAIRS TO REMAIN (8" RISERS, 11" TREADS)
 MAXIMUM 7" RISER HEIGHT
 MINIMUM 11" TREAD DEPTH
 HANDRAILS EACH SIDE OF STAIR
- ONE NEW STAIR:
- EGRESS EXIT DOORS SERVING 50 OCCUPANTS OR MORE SHALL BE EQUIPPED WITH FIRE EXIT PANIC HARDWARE (REFER TO NOTE 4 ON DWG A13 AND DOOR SCHEDULE)
 - ILLUMINATION OF MEANS OF EGRESS:
 EMERGENCY LIGHT REQUIRED AT ALL EXIT STAIRS, AISLES, CORRIDORS AND PASSAGEWAYS LEADING TO AN EXIT. CONTINUOUS DURING THE TIME THAT THE CONDITIONS OF OCCUPANCY REQUIRE THE MEANS OF EGRESS BE AVAILABLE FOR USE.
 - MARKING OF MEANS OF EGRESS:
 ILLUMINATED EXIT SIGNAGE OTHER THAN MAIN EXTERIOR DOOR CLEARLY IDENTIFIABLE AS AN EXIT.
 ILLUMINATED EXIT SIGNAGE (DIRECTIONAL) WHERE THE CONTINUATION OF THE EGRESS PATH IS NOT OBVIOUS.
 TACTILE SIGNAGE AT EACH EXIT DOOR REQUIRING AN EXIT SIGN AND IN ACCORDANCE WITH the *American National Standard for Accessible and Usable Buildings and Facilities*.
 - EVERY ROOM CONSTITUTING AN ASSEMBLY OCCUPANCY AND NOT HAVING FIXED SEATS SHALL HAVE THE MAXIMUM OCCUPANT LOAD OF THE ROOM POSTED IN A CONSPICUOUS PLACE NEAR THE MAIN EXIT OF THE ROOM. (NFPA 101 13.7.9.3)
 - FIRE EXTINGUISHERS SHALL BE WALL MOUNTED, MIN. CLASS 2-A RATED, 5LB CYLINDER MOUNTED MAX. 54" TO TOP. TYPE K CLASS, 1.6 GAL., 7" DIAM., WALL HUNG REQUIRED IN KITCHEN.



REV.	DATE	STATUS
1	1-18-13	CHANGE SIDE ADDITION FOOTPRINT & RELOCATE STAIR
2	4-8-13	STATE FIRE MARSHAL SUBMISSION
3	4-25-13	ISSUED FOR PERMIT
4	7-02-13	REVISED
5	7-10-13	REVISED

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