



A2 FIRST FLOOR - ASC CODE PLAN
1/16" = 1'-0"



CODE SUMMARY

Project Construction Purpose: New 3 story addition and partial renovation of existing ASC building.
Project Address: Saint Luke's East Hospital, 120 NE Saint Luke's Blvd, Lee's Summit, MO 64063
Code Information: 2018 International Building Code, 2018 International Plumbing Code, 2018 International Mechanical Code, 2017 National Electrical Code (NFPA 70), 2018 International Fire Code, 2012 Life Safety Code (NFPA 101 Chapter 20), 2009 ICC/ANSI A117.1 as amended and adopted by the City of Lee's Summit, 2010 ADA Standards for Accessible Design / Americans with Disabilities Act of 1990. State of Missouri Dept. of Health & Environment references the following codes: 2012 NFPA 101 Life Safety Code (LSC), 2018 FGI Guidelines for Design & Construction of Hospitals & Outpatient Facilities.
Note: If code requirements overlap, the most stringent shall apply.
Owner Information: Saint Luke's East Hospital, 120 NE Saint Luke's Blvd, Lee's Summit, MO 64063
Designer Information: ACI Boland Architects, 1710 Wyandotte St, Kansas City, MO 64108, Phone: (816) 763-9600
Local Authority: Lee's Summit Fire Department
Responding Fire Service: Lee's Summit, MO -Codes Administration Department
Local Building Inspection: Lee's Summit, MO -Codes Administration Department
Type of Construction: I-A
Area of Renovation and Addition: 1st floor addition: 18,000+/- SF, 1st floor renovation: 23,601+/- SF, 2nd floor addition: 16,700+/- SF, 2nd floor renovation: 28,089+/- SF, 3rd floor addition: 27,514+/- SF, Total addition: 62,214+/- SF, Total renovation: 51,699+/- SF, Total sf of new construction: 113,913+/- SF.
Occupancy Group: B - Ambulatory Healthcare
Max Travel Distance: 200' (NFPA 101 20.2.6.2.1)
Occupant Load: 1505F/OCC (table 1004.5), 1st floor: 47,801/150 = 319, 2nd floor: 44,788/150 = 299, 3rd floor: 27,514/150 = 184, Total Number of Occupants = 799.
Required Fire Resistance Ratings (in hours): Per NFPA 101 A.5.2.1.2, Exterior Bearing Walls: 3 HR, Interior Bearing Walls: 3 HR, Primary Structural Frame: 3 HR, Floor Construction: 2 HR, Interior Non-bearing Walls: 1 1/2 HR, Shaft Enclosure: 2 HR, Shaft Enclosure: 2 HR.
Fire Separation (Table 608.4): 1 HR separation between tenants: 1 HR, 1 HR separation between tenants: 1 HR.
Active Fire Safety Features: - Fire Alarm System - The fire alarm system is specified as an addressable type system. The device type and locations are per the applicable codes as well as ADA requirements. - Smoke Control System - All ductwork penetrating smoke rated walls will have a smoke or combination fire/smoke damper as indicated on construction documents. These dampers will close upon detection of smoke by the area smoke detectors or dust smoke detectors in the air handling units. - Fire Sprinkler System - Specified to be per NFPA 13. The sprinkler heads are specified to be quick response type. - Emergency Lighting and Power - Emergency lighting, life safety and critical loads will receive power from a backup generator located outside the main electrical room. - Illuminated Exit Signs
Passive Fire Safety Features: - Smoke Compartments no greater than 22,500 SF

CODE FOOTPRINT LEGEND

- PARTITION TYPES**
- 0 HR SMOKE PARTITION (SMOKE RESISTIVE)
 - 1 HR SMOKE BARRIER
 - 1 HR FIRE BARRIER
 - 2 HR FIRE BARRIER
 - 2 HR FIRE SMOKE BARRIER
 - 3 HR FIRE BARRIER
- AREA DESIGNATIONS**
- CORRIDOR
 - HAZARDOUS ROOM
 - EXIT ENCLOSURE
 - SHAFT
- BOUNDARY DESIGNATIONS**
- SMOKE COMPARTMENT
 - 1 HR SMOKE BARRIER
 - NOT IN ARCHITECTURAL SCOPE
- SYMBOLS**
- FIRE EXIT
 - OCCUPANT LOAD
 - EXIT WIDTH PROVIDED
 - EXIT WIDTH REQUIRED
 - NEW FIRE EXTINGUISHER CABINET
 - EXISTING FIRE EXTINGUISHER CABINET
 - EXIT SIGN
 - FIRE DOOR RATING
 - TRAVEL DISTANCE
 - FIRE/SMOKE DAMPER
 - SMOKE DETECTOR
 - HEAT DETECTOR



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