A5 THIRD FLOOR - MULTISPECIALTY CODE PLAN
1/16" = 1'-0"

NORTH

A2 SECOND FLOOR - ROCKHILL CODE PLAN
1/16" = 1'-0"

NORTH

THIS DRAWING IS INTENDED TO BE PRINTED IN COLOR. USE BLACK AND WHITE COPIES AT YOUR OWN RISK.

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
Responding Fire Service: Lee's Summit Fire 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	28,098+/-	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: 150SF/OCC (table 1004.5)

1st floor: 41,601/150 =	278
2nd floor: 44,798/150 =	299
3rd floor: 27,514/150 =	184
Total Number of Occupants =	761

Required Fire Resistance Ratings (in hours)
Per NFPA 101 A.8.2.1.2:

Exterior Bearing Walls	3 HR
Interior Bearing Walls	3 HR
Primary Structural Frame	3 HR
Floor Construction	2 HR
Roof Construction	1 1/2 HR
Interior Non-bearing Walls	0 HR
Shaft Enclosure	2 HR
Stair Enclosure	2 HR

Fire Separation: (table 508.4)
2HR separation between tenants U-B
1HR separation between tenants B-B

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 duct 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
- EXIT ENCLOSURE
- HAZARDOUS ROOM
- SHAFT

BOUNDARY DESIGNATIONS

- SMOKE COMPARTMENT 1 HR SMOKE BARRIER
- NOT IN ARCHITECTURAL SCOPE

SYMBOLS

- FIRE EXIT
- OCCUPANT LOAD (50)
- EXIT WIDTH PROVIDED (12")
- EXIT WIDTH REQUIRED (36")
- NEW FIRE EXTINGUISHER CABINET
- EXISTING FIRE EXTINGUISHER CABINET
- EXIT SIGN
- FIRE DOOR RATING (45 min)
- TRAVEL DISTANCE (124')
- FIRE/SMOKE DAMPER (FS)
- SMOKE DETECTOR
- HEAT DETECTOR

STATE OF MISSOURI
SAMUEL K. BECKMAN
A-2011012130
ARCHITECT
1/16/2023

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

ACI BOLAND ARCHITECTS
ACI/Boland, Inc.
Kansas City | St. Louis
1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600
Licensee's Certificate of Authority Number: Missouri: #000958

CIVIL CONSULTANT
BHC
7101 College Blvd, Suite 400
Overland Park, KS 66210
913.663.1900
Licensee's Certificate of Authority Number: #001355

STRUCTURAL CONSULTANT
Structural Engineering Associates, Inc.
1000 Walnut, Suite 1570
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #000396

MEP CONSULTANT
IMEG
1600 Baltimore Ave, Suite 300
Kansas City, MO 64108
816.842.8437
Licensee's Certificate of Authority Number: #00127265

CONSTRUCTION DOCUMENTS

Saint Luke's
EAST HOSPITAL
ASC EXPANSION & RENOVATION
100 NE Saint Luke's Blvd
Lee's Summit, MO 64086

Date	01/16/2023
Job Number	3-21037
Drawn By	Author
Checked By	Checker

Revision

Number	Date	Description

CONSTRUCTION DOCUMENTS
A022

© 2023 ACI/BOLAND, Inc

SECOND AND THIRD FLOOR CODE FOOTPRINT PLAN

1/17/2023 11:48:00 AM
BIM 360://3-21037 SLE - ASC Expansion - Revit 2021/3-21037_ASC Expansion & Renovation.rvt