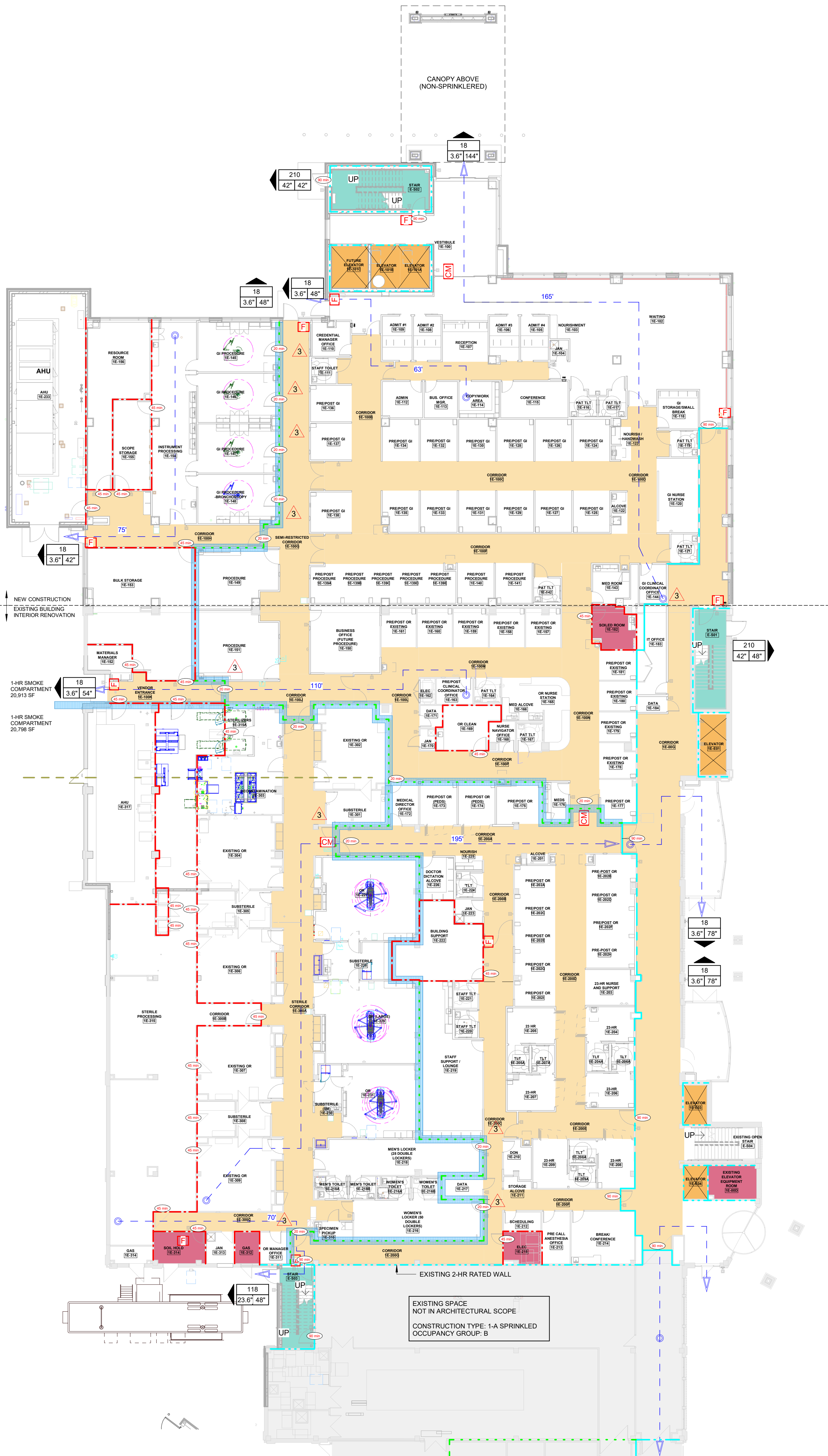




A2 FIRST FLOOR - ASC CODE PLAN  
1/16" = 1'-0"



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  
1979 19-CFR-30  
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 renovation 18,700+/- SF  
2nd floor addition 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.2.1.2:  
Exterior Bearing Walls 3 HR  
Interior Bearing Walls 3 HR  
Primary Structural Frame 3 HR  
Floor Construction 1 1/2 HR  
Interior Non-bearing Walls 2 HR  
Shaft Enclosure 2 HR  
Shall Enclosure 2 HR

**Fire Separation (Table 605.4)**  
Fire Separation between tenants 2-8  
1HR separation between tenants B-2

**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

**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



1/16/2023

Samuel K. Beckman - Architect  
License - Missouri WA-2011012130

ACI BOLAND ARCHITECTS

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Missouri: #000958

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**MEP CONSULTANT**

IMEG  
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Licensee's Certificate of Authority Number:  
#00127265



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

Date 03/10/2023  
Job Number 3-21037  
Drawn By Author  
Checked By Checker

Revision  
Number Date Description  
3 2-24-23 ADDENDUM #3

CONSTRUCTION DOCUMENTS

A021

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FIRST FLOOR CODE FOOTPRINT PLAN

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