

LIFE SAFETY CODE SUMMARY

APPLICABLE CODES & STANDARDS

INTERNATIONAL BUILDING CODE, 2018 EDITION (IBC)  
INTERNATIONAL FIRE CODE, 2018 EDITION (IFC)  
INTERNATIONAL MECHANICAL CODE, 2018 EDITION (IMC)  
INTERNATIONAL PLUMBING CODE, 2018 EDITION (IPC)  
ICC 500, STANDARD FOR THE DESIGN & CONSTRUCTION OF STORM SHELTERS, 2014 EDITION  
ICC A117.1, ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES, 2009 EDITION  
FGI, GUIDELINES FOR DESIGN & CONSTRUCTION OF HOSPITALS AND OUTPATIENT FACILITIES  
NFPA 10, STANDARD FOR PORTABLE FIRE EXTINGUISHERS, 2018 EDITION  
NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2016 EDITION  
NFPA 14, STANDARD FOR THE INSTALLATION OF STANDPIPE & HOSE SYSTEMS, 2016 EDITION  
NFPA 20, STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION,  
NFPA 24, STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS & APPURTENAI  
NFPA 70, NATIONAL ELECTRICAL CODE, 2017 EDITION (NEC)  
NFPA 72, NATIONAL FIRE ALARM & SIGNALING CODE, 2016 EDITION  
NFPA 80, STANDARD FOR FIRE DOORS & OTHER OPENING PROTECTIVES, 2016 EDITION  
NFPA 90A, STANDARD FOR THE INSTALLATION OF AIR-CONDITIONING & VENTILATING SYSTEM  
NFPA 92, STANDARD FOR SMOKE CONTROL SYSTEMS, 2018 EDITION  
NFPA 99, HEALTH CARE FACILITIES CODE, 2012 EDITION (HCFC)  
NFPA 101, LIFE SAFETY CODE, 2012 EDITION (LSC)  
NFPA 110, STANDARD FOR EMERGENCY & STANDBY POWER SYSTEMS 2016 EDITION  
NFPA 418, STANDARD FOR HELIPORTS, 2016 EDITION  
NFPA 2001, STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS, 2018 EDITION

OCCUPANCY CLASSIFICATION

| OCCUPANCY CLASSIFICATION  |                                                | REFERENCE                     |
|---------------------------|------------------------------------------------|-------------------------------|
| MIXED-USE                 | NONSEPARATED                                   | LSC §6.1.14.3   IBC §508.3    |
| MAIN OCCUPANCY            |                                                |                               |
| HEALTH CARE   GROUP 1-2   | INPATIENT CARE                                 | LSC §6.1.5.1   IBC §308.3.1.2 |
| ACCESSORY OCCUPANCIES     |                                                |                               |
| ASSEMBLY   GROUP A-3      | WAITING, EXERCISE, BREAK, AND CONFERENCE AREAS | LSC §6.1.2   IBC §303.4       |
| BUSINESS   GROUP B        | OFFICES, EXAM ROOMS, LABS, ETC.                | LSC §6.1.11   IBC §304.1      |
| RESIDENTIAL   GROUP R-1   | ON-CALL ROOMS                                  | LSC §6.1.8   IBC §310.2       |
| STORAGE   GROUP S-1 & S-2 | STORAGE, MECHANICAL, & ELECTRICAL ROOMS        | LSC §6.1.13   IBC §311.3      |

CONSTRUCTION

| CONSTRUCTION CLASSIFICATION            |         | REFERENCE                   |
|----------------------------------------|---------|-----------------------------|
| CONSTRUCTION TYPE   (332)   IA         |         | LSC TBL 18.1.6.1   IBC §601 |
| BUILDING ELEMENT                       |         |                             |
| FR                                     |         |                             |
| PRIMARY STRUCTURAL FRAME               | 3-HOUR  |                             |
| BEARING WALLS (INTERIOR & EXTERIOR)    | 3-HOUR  |                             |
| NONBEARING WALLS (INTERIOR & EXTERIOR) | 0-HOUR  |                             |
| FLOOR CONSTRUCTION                     | 2-HOUR  |                             |
| ROOF CONSTRUCTION                      | 1½-HOUR |                             |

| BUILDING HEIGHT, STORIES, & AREA |           |           |                        |                              |
|----------------------------------|-----------|-----------|------------------------|------------------------------|
| LIMITATION/ACTUAL                | HEIGHT    | STORIES   | AREA PER STORY         | REFERENCE                    |
| MAXIMUM                          | UNLIMITED | UNLIMITED | UNLIMITED              | LSC TBL 18.1.6.1   IBC CH. 5 |
| ACTUAL                           | 114 FEET  | 6         | 94,950 FT <sup>2</sup> |                              |

| INTERIOR SEPARATION TYPE |                                | REFERENCE           |
|--------------------------|--------------------------------|---------------------|
| SMOKE PARTITION          | LIMIT TRANSFER OF SMOKE        | LSC §8.4   IBC §710 |
| SMOKE BARRIER            | RESTRICT THE MOVEMENT OF SMOKE | LSC §8.3   IBC §709 |
| FIRE BARRIER             | FIRE-RESISTANCE RATED BARRIER  | LSC §8.3   IBC §707 |

| SEPARATION BY ROOM/SPACE                                                                                 |        |                 |                               |
|----------------------------------------------------------------------------------------------------------|--------|-----------------|-------------------------------|
| ROOM/SPACE                                                                                               | FR     | SEPARATION      | REFERENCE                     |
| GENERAL (ALL OCCUPANCIES)                                                                                |        |                 |                               |
| INTERIOR EXIT ENCLOSURES (STAIRS & PASSAGEWAYS)                                                          | 2-HOUR | FIRE BARRIER    | LSC §7.1.3.2.1   IBC §1023.2  |
| VERTICAL SHAFT ENCLOSURES (MECH, ELEVATOR, ETC.)                                                         | 2-HOUR | FIRE BARRIER    | LSC §8.6.5(1)   IBC §713.4    |
| MECHANICAL ROOMS OPEN TO SHAFT(S)                                                                        | 2-HOUR | FIRE BARRIER    | LSC §8.6.5(1)   IBC §713.4    |
| ELEVATOR MACHINE ROOM                                                                                    | 2-HOUR | FIRE BARRIER    | IBC §3005.4                   |
| ELEVATOR LOBBY                                                                                           | ---    | SMOKE PARTITION | IBC §3006.3                   |
| FIRE COMMAND CENTER                                                                                      | 2-HOUR | FIRE BARRIER    | NFPA 72 §24.3.14   IBC §811   |
| FIRE PUMP ROOM                                                                                           | 2-HOUR | FIRE BARRIER    | NFPA 20 §4.14.1   IBC §913.2  |
| ROOMS HOUSING FIRE ALARM PANELS                                                                          | 2-HOUR | FIRE BARRIER    | NFPA 72 §24.3.14              |
| EMERGENCY POWER SUPPLY ROOM                                                                              | 2-HOUR | FIRE BARRIER    | NFPA 110 §7.2.1   IBC §403.4  |
| ROOMS HOUSING SMOKE CONTROL EQUIPMENT & POWER                                                            | 2-HOUR | FIRE BARRIER    | IBC §909.20.6.1               |
| BOILER & FUEL-FIRED HEATER ROOM                                                                          | 1-HOUR | FIRE BARRIER    | LSC §18.3.2.1   IBC §609      |
| SMOKE COMPARTMENT                                                                                        | 1-HOUR | SMOKE BARRIER   | LSC §18.3.7.1   IBC §407.5    |
| HEALTH CARE SUITE                                                                                        | ---    | SMOKE PARTITION | LSC §18.2.5.7   IBC §407.4.4  |
| MEDICAL GAS SUPPLY ROOM (O <sub>2</sub> > 504 FT <sup>3</sup> & N <sub>2</sub> > 6,000 FT <sup>3</sup> ) | 1-HOUR | FIRE BARRIER    | HCFC §5.1.3.3.2   IBC §427.2  |
| ROOMS WITH SOILED LINEN > 64 GALLONS                                                                     | 1-HOUR | FIRE BARRIER    | LSC §18.3.2.1   IBC §609      |
| STORAGE ROOM > 50 FT <sup>2</sup> & < 100 FT <sup>2</sup>                                                | ---    | SMOKE PARTITION | LSC §8.18.3.2.1 & 18.3.6.3.11 |
| STORAGE ROOM > 100 FT <sup>2</sup>                                                                       | 1-HOUR | FIRE BARRIER    | LSC §18.3.2.1   IBC §609      |
| ROOMS WITH TRASH > 64 GALLONS                                                                            | 1-HOUR | FIRE BARRIER    | LSC §18.3.2.1   IBC §609      |
| LAUNDRY ROOM > 100 FT <sup>2</sup>                                                                       | 1-HOUR | FIRE BARRIER    | LSC §18.3.2.1   IBC §609      |
| LABORATORIES                                                                                             | 1-HOUR | FIRE BARRIER    | LSC §18.3.2.1   IBC §609      |
| MAINTENANCE SHOPS                                                                                        | 1-HOUR | FIRE BARRIER    | LSC §18.3.2.1   IBC §609      |
| CORRIDORS                                                                                                | ---    | SMOKE PARTITION | LSC §18.3.6.2.3   IBC §407.3  |

| OPENING PROTECTION               |        |                 |                              |
|----------------------------------|--------|-----------------|------------------------------|
| SEPARATION                       | FR     | COMPONENT       | REFERENCE                    |
| 2-HOUR FIRE BARRIER              | 90-MIN | DOOR            | LSC §8.3   IBC §716.2        |
| 2-HOUR FIRE BARRIER              | 90-MIN | FIRE DAMPER     | NFPA 90A §5.4.1   IBC §717.5 |
| 2-HOUR FIRE BARRIER (SHAFT WALL) | ---    | FIRE/SMK DAMPER | NFPA 90A §5.4.1   IBC §717.5 |
| 1-HOUR FIRE BARRIER              | 45-MIN | DOOR            | LSC §8.3   IBC §716.2        |
| 1-HOUR FIRE BARRIER              | 90-MIN | FIRE DAMPER     | NFPA 90A §5.4.1   IBC §717.5 |
| 1-SMOKE BARRIER                  | 20-MIN | DOOR            | LSC §8.5.4   IBC §716.2      |
| SMOKE PARTITION                  | SR     | DOOR            | LSC §8.4   IBC §710          |

| INTERIOR FINISH              |       |  |                           |
|------------------------------|-------|--|---------------------------|
| COMPONENT                    | CLASS |  | REFERENCE                 |
| ROOMS, OCCUPANCY < 4 PERSONS | B     |  | LSC §18.3.3   IBC §803.13 |
| ALL OTHER COMPONENTS         | A     |  | LSC §18.3.3   IBC §803.13 |

MEANS OF EGRESS

| EGRESS CAPACITY                                 |                                     |  |                            |
|-------------------------------------------------|-------------------------------------|--|----------------------------|
| COMPONENT                                       | FACTOR                              |  | REFERENCE                  |
| STAIRWAY (WIDTH < 44 INCHES)                    | 0.30 IN/PERSON                      |  | LSC §7.3.3.1   IBC §1005.3 |
| STAIRWAY (WIDTH (W <sub>st</sub> ) > 44 INCHES) | C=146.7*(W <sub>st</sub> -44.0/219) |  | LSC §7.3.3.2               |
| OTHER EGRESS COMPONENT                          | 0.20 IN/PERSON                      |  | LSC §7.3.3.1   IBC §1005.3 |

| OCCUPANT LOAD                     |                       |  |                              |
|-----------------------------------|-----------------------|--|------------------------------|
| COMPONENT                         | FACTOR                |  | REFERENCE                    |
| ASSEMBLY - UNCONCENTRATED         | 15 SF/PERSON (NET)    |  | LSC §7.3.1.2   IBC §1004.1.2 |
| BUSINESS AREAS                    | 150 SF/PERSON (GROSS) |  | LSC §7.3.1.2   IBC §1004.1.2 |
| EXERCISE AREAS, WITH EQUIPMENT    | 50 SF/PERSON (GROSS)  |  | LSC §7.3.1.2   IBC §1004.1.2 |
| EXERCISE AREAS, WITHOUT EQUIPMENT | 15 SF/PERSON (GROSS)  |  | LSC §7.3.1.2   IBC §1004.1.2 |
| INPATIENT AREAS                   | 240 SF/PERSON (GROSS) |  | LSC §7.3.1.2   IBC §1004.1.2 |
| KITCHENS                          | 100 SF/PERSON (GROSS) |  | LSC §7.3.1.2   IBC §1004.1.2 |
| LOCKER ROOMS                      | 50 SF/PERSON (GROSS)  |  | LSC §7.3.1.2   IBC §1004.1.2 |
| OUTPATIENT AREAS                  | 100 SF/PERSON (GROSS) |  | LSC §7.3.1.2   IBC §1004.1.2 |
| SLEEPING AREAS                    | 120 SF/PERSON (GROSS) |  | LSC §7.3.1.2   IBC §1004.1.2 |
| ACCESSORY STORAGE & MECH. AREAS   | 300 SF/PERSON (GROSS) |  | LSC §7.3.1.2   IBC §1004.1.2 |

| NUMBER OF EXITS                                                   |                 |  |                              |
|-------------------------------------------------------------------|-----------------|--|------------------------------|
| APPLICATION                                                       | MIN. # OF EXITS |  | REFERENCE                    |
| ASSEMBLY - OCCUPANT LOAD < 50   COMMON PATH < 75 FT               | 1               |  | LSC §12.2.5.1   IBC §1006.2  |
| BUSINESS - OCCUPANT LOAD < 100   COMMON PATH < 100 FT             | 1               |  | LSC §38.2.4.1   IBC §1006.2  |
| HEALTH CARE - AREA < 2,500 FT <sup>2</sup>   COMMON PATH < 100 FT | 1               |  | LSC §18.5.1   IBC §1006.2    |
| STORAGE - OCCUPANT LOAD < 500   COMMON PATH < 100 FT              | 1               |  | LSC §42.4.1   IBC §1006.2    |
| OCCUPANT LOAD < 500 PER STORY                                     | 2               |  | LSC §7.4.1.1   IBC §1006.3.1 |
| OCCUPANT LOAD 500 < X < 1,000 PER STORY                           | 3               |  | LSC §7.4.1.1   IBC §1006.3.1 |
| OCCUPANT LOAD > 1,000 PER STORY                                   | 4               |  | LSC §7.4.1.1   IBC §1006.3.1 |
| SMOKE COMPARTMENT                                                 | 2               |  | LSC §18.2.4.4   IBC §407.5.2 |

| EXIT SEPARATION                      |                                    |                              |
|--------------------------------------|------------------------------------|------------------------------|
| APPLICATION                          | SEPARATION                         | REFERENCE                    |
| MIN. 2 EXITS OR EXIT ACCESS REQUIRED | 1/3 OVERALL DIAGONAL DIM. OF SPACE | LSC §7.5.1.3   IBC §1007.1.1 |

| MAXIMUM EXIT ACCESS TRAVEL DISTANCES |                   |        |             |                          |
|--------------------------------------|-------------------|--------|-------------|--------------------------|
| OCCUPANCY                            | DEAD-END CORRIDOR | TRAVEL | COMMON PATH | REFERENCE                |
| ASSEMBLY   GROUP A-3                 | 20 FT             | 250 FT | 75 FT       | LSC §12.2.1   IBC CH. 10 |
| BUSINESS   GROUP B                   | 50 FT             | 300 FT | 100 FT      | LSC §38.2   IBC CH. 10   |
| HEALTH CARE   GROUP 1-2              | 20 FT             | 200 FT | 75 FT       | LSC §18.2   IBC CH. 10   |
| STORAGE   GROUP S                    | 50 FT             | 400 FT | 100 FT      | LSC §42.2   IBC CH. 10   |

| MINIMUM EGRESS WIDTHS                                                                                                 |                            |  |                              |
|-----------------------------------------------------------------------------------------------------------------------|----------------------------|--|------------------------------|
| COMPONENT                                                                                                             | MINIMUM WIDTH <sup>1</sup> |  | REFERENCE                    |
| DOOR                                                                                                                  | 32 INCHES                  |  | LSC §7.2.1.2   IBC §1010.1.1 |
| STAIR - OCCUPANT LOAD < 50                                                                                            | 36 INCHES                  |  | LSC §7.2.2   IBC §1011       |
| STAIR - 50 < OCCUPANT LOAD < 2,000                                                                                    | 44 INCHES                  |  | LSC §7.2.2   IBC §1011       |
| STAIR - OCCUPANT LOAD ≥ 2,000                                                                                         | 56 INCHES                  |  | LSC §7.2.2   IBC §1011       |
| CORRIDOR - PATIENT HOUSING, CARE, & TREATMENT                                                                         | 96 INCHES                  |  | LSC §18.2.3.4   IBC §1020.3  |
| CORRIDOR - IN ADJUNCT AREAS NOT USED FOR PATIENTS                                                                     | 44 INCHES                  |  | LSC §18.2.3.4   IBC §1020.3  |
| <sup>1</sup> THE MINIMUM WIDTH SHALL NOT BE LESS THAN THE CALCULATED MINIMUM EGRESS CAPACITY FOR THE RESPECTIVE SPACE |                            |  |                              |

| DOOR SWING & PANIC HARDWARE |                                      |                              |
|-----------------------------|--------------------------------------|------------------------------|
| APPLICATION                 | REQUIREMENT                          | REFERENCE                    |
| OCCUPANT LOAD > 50          | SWING IN DIRECTION OF EGRESS TRAVEL  | LSC §7.2.1.4   IBC §1010.1.2 |
| OCCUPANT LOAD > 50          | PANIC OR FIRE EXIT HARDWARE REQUIRED | IBC §1010.1.10               |

| MEANS OF EGRESS ILLUMINATION |                                                   |                      |
|------------------------------|---------------------------------------------------|----------------------|
| APPLICATION                  | LOCATION                                          | REFERENCE            |
| EMERGENCY POWER              | MEANS OF EGRESS SERVING AN OCCUPIED ROOM/SPACE    | LSC §7.9   IBC §1008 |
| EMERGENCY POWER              | EXIT DISCHARGE TO PUBLIC WAY                      | LSC §7.9   IBC §1008 |
| EMERGENCY POWER              | ACCESS-CONTROLLED EGRESS DOORS                    | LSC §7.9   IBC §1008 |
| EMERGENCY POWER              | DOORS EQUIPPED WITH DELAYED-EGRESS LOCKS          | LSC §7.9   IBC §1008 |
| EMERGENCY POWER              | ELECTRICAL & FIRE PUMP ROOMS & RESTROOMS > 300 SF | LSC §7.9   IBC §1008 |

| EXIT SIGNS  |                                                     |                       |
|-------------|-----------------------------------------------------|-----------------------|
| TYPE        | LOCATION                                            | REFERENCE             |
| ILLUMINATED | ROOM OR SPACE REQUIRING ≥ 2 EXITS                   | LSC §7.10   IBC §1013 |
| ILLUMINATED | PATH TO EXITS & WITHIN EXITS                        | LSC §7.10   IBC §1014 |
| ILLUMINATED | WHERE THE PATH OF TRAVEL IS NOT IMMEDIATELY VISIBLE | LSC §7.10   IBC §1015 |
| ILLUMINATED | AT INTERVENING MEANS OF EGRESS DOORS WITHIN EXITS   | LSC §7.10   IBC §1016 |
| ILLUMINATED | NO GREATER THAN 100 FT WITHIN A CORRIDOR/PASSAGE    | LSC §7.10   IBC §1017 |

FIRE & LIFE SAFETY SYSTEMS

| FIRE ALARM SYSTEM       |                                            |                               |
|-------------------------|--------------------------------------------|-------------------------------|
| THROUGHOUT THE BUILDING | IBC §907.2.2                               |                               |
| INITIATION - ALARM      | REQUIREMENT                                | REFERENCE                     |
| MANUAL PULL STATION     | WITHIN 5 FEET OF EXIT DOORS                | LSC §9.6.2.3   IBC §907.4.2   |
| SMOKE DETECTOR          | ABOVE FIRE ALARM PANELS                    | LSC §9.6.1.8   IBC §907.4.1   |
| SMOKE DETECTOR          | AREAS OPEN TO CORRIDORS                    | LSC §18.3.6.1   IBC §407.2.1  |
| SMOKE DETECTOR          | WITHIN 5 FEET OF AUTO-CLOSING DOORS        | NFPA 72 §17.7.5.6             |
| SMOKE DETECTOR          | WITHIN 5 FEET OF PRESSURIZED STAIR DOORS   | IBC §909.20.7                 |
| SMOKE DETECTOR          | WITHIN 21 FEET OF ELEVATOR DOOR CENTERLINE | NFPA 72 §21.3.5               |
| SMOKE DETECTOR          | ELEVATOR MACHINE ROOMS & SHAFTS            | NFPA 72 §7.21.3.7 & 21.3.12   |
| SMOKE DETECTOR          | ON-CALL SLEEPING UNITS                     | LSC §906.2.10   IBC §907.2.11 |
| SMOKE DETECTOR          | FIRE EXTINGUISHING SYSTEM ACTIVATION       |                               |

|                          |                                          |                 |
|--------------------------|------------------------------------------|-----------------|
| HEAT DETECTOR            | ELEVATOR MACHINE ROOMS & SHAFTS          | NFPA 72 §21.4.4 |
| SPRINKLER SYSTEM         | WATER FLOW DETECTION                     | IBC §903.4      |
| INITIATION - SUPERVISORY | REQUIREMENT                              | REFERENCE       |
| SPRINKLER SYSTEM         | VALVE & PRESSURE SUPERVISORY             | IBC §903.4      |
| FIRE PUMP                | RUNNING, LOSS OF POWER, & PHASE REVERSAL | NFPA 20 §10.4.7 |
| SMOKE CONTROL SYSTEM     | ACTIVATION & FAULT CONDITION             | IBC §909.20.7   |
| ELEVATOR POWER           | LOSS OF POWER TO ELEVATOR                | NFPA 72 §21.4.4 |
| EMERGENCY GENERATOR      | GENERATOR OFF-NORMAL STATUS              | LSC §9.1.3.2    |
| DUCT SMOKE DETECTOR      | FANS EXCEEDING 2,000 CFM                 | IBC §907.3.1    |

|                      |                                                 |                            |
|----------------------|-------------------------------------------------|----------------------------|
| INTERFACE            | REQUIREMENT                                     | REFERENCE                  |
| GENERAL              | CONTROL DEVICE WITHIN 3 FT OF CONTROLLED COMPON | NFPA 72 §21.2.4            |
| DOORS                | RELEASE AUTO-CLOSING DOORS                      | LSC §7.2.1.6   IBC §1010.2 |
| SMOKE CONTROL SYSTEM | CONTROL SMOKE CONTROL SYSTEM ON & OFF           | IBC §909.20.7              |
| ELEVATORS            | RECALL & SHUTDOWN                               | NFPA 72 §21.3.14           |
| HVAC                 | SHUTDOWN FAN UPON ACTIVATION OF DUCT SMOKE DET. | IBC §907.3.1               |
| ACCESS CONTROL       | UNLOCK LOCKED EGRESS DOORS UPON ALARM           | IBC §1008.1.9              |
| NOTIFICATION         | REQUIREMENT                                     | REFERENCE                  |
| GENERAL              | ZONED BY SMOKE COMPARTMENT                      |                            |
| AUDIBLE              | THROUGHOUT THE BUILDING                         | IBC §907.5.2               |
| VISIBLE              | ALL PUBLIC & COMMON USE SPACES                  | IBC §907.5.3               |

| AUTOMATIC SPRINKLER PROTECTION                                                |                 |
|-------------------------------------------------------------------------------|-----------------|
| THROUGHOUT THE BUILDING                                                       | IBC §903.3.1.1  |
| REQUIREMENT                                                                   | REFERENCE       |
| SYSTEM SIZE SHALL BE ZONE BY SMOKE COMPARTMENT (MAX. 22,500 FT <sup>2</sup> ) | NFPA 13 §8.2    |
| SPRINKLERS SHALL BE QUICK RESPONSE                                            | NFPA 13 §8.2    |
| SYSTEMS SHALL BE HYDRAULICALLY CALCULATED                                     | NFPA 13 §11.2.3 |
| DOUBLE INTERLOCK PRE-ACTION IN IT & MDF ROOMS                                 |                 |

| CLEAN AGENT EXTINGUISHING SYSTEM |           |
|----------------------------------|-----------|
| REQUIREMENT                      | REFERENCE |
| NOVEC 1230 IN IT & MDF ROOMS     | NFPA 2001 |

| PORTABLE FIRE EXTINGUISHERS |                                           |                       |
|-----------------------------|-------------------------------------------|-----------------------|
| THROUGHOUT THE BUILDING     | IBC §906                                  |                       |
| HAZARD TYPE                 | APPLICATION                               | REFERENCE             |
| CLASS A                     | INVOLVING ORDINARY COMBUSTIBLES           | NFPA 10 §5.2.1        |
| CLASS B                     | INVOLVING FLAMMABLE & COMBUSTIBLE LIQUIDS | NFPA 10 §5.2.2        |
| CLASS C                     | INVOLVING ENERGIZED ELECTRICAL EQUIPMENT  | NFPA 10 §5.2.2        |
| CLASS K                     | INVOLVING COMBUSTIBLE COOKING MEDIA       | NFPA 10 §5.2.5        |
| PRIMARY BUILDING HAZARD     | PFE TYPE                                  | MAX AREA              |
| CLASS A & C                 | ABC                                       | 11,450 SF             |
| CLASS K                     | K                                         | 75 FT TO PFE          |
|                             |                                           | 30 FT TO PFE          |
|                             |                                           | NFPA 10 TABLE 6.2.1.1 |
|                             |                                           | NFPA 10 §6.6          |

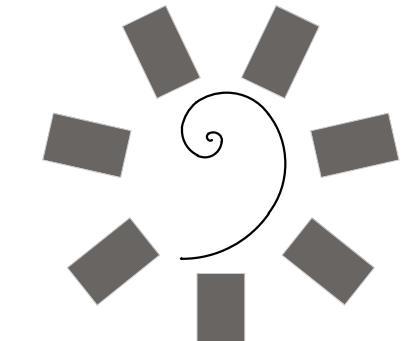
|                                           |                                                     |
|-------------------------------------------|-----------------------------------------------------|
| SMOKEPROOF ENCLOSURE SMOKE CONTROL SYSTEM | STAIR SERVING FLOOR > 75 FT   IBC §§ 403.5 & 909.20 |
|-------------------------------------------|-----------------------------------------------------|

|                                |              |
|--------------------------------|--------------|
| POST-FIRE SMOKE REMOVAL SYSTEM | IBC §403.4.7 |
|--------------------------------|--------------|

|                                   |                   |                 |
|-----------------------------------|-------------------|-----------------|
| LIFE SAFETY TWO-WAY COMMUNICATION | ELEVATOR LANDINGS | LSC §7.2.12.1.1 |
|-----------------------------------|-------------------|-----------------|

|                                          |                         |                          |
|------------------------------------------|-------------------------|--------------------------|
| EMERGENCY RESPONDER COMMUNICATION SYSTEM | THROUGHOUT THE BUILDING | LSC §11.8.4   IBC §918.1 |
|------------------------------------------|-------------------------|--------------------------|

| STANDBY & EMERGENCY POWER                                                  |  |
|----------------------------------------------------------------------------|--|
| LSC §§ 11.8.5.2 & 18.5                                                     |  |
| AIR COMPRESSOR SERVING DRY-PIPE AND PRE-ACTION AUTOMATIC SPRINKLER SYSTEMS |  |
| ELECTRIC FIRE PUMP                                                         |  |
| FIRE PROTECTION PRESSURE MAINTANCE (JOCKEY) PUMP                           |  |
| FIRE COMMAND CENTER EQUIPMENT & LIGHTING                                   |  |
| ELEVATORS                                                                  |  |
| SMOKE CONTROL SYSTEMS                                                      |  |
| EMERGENCY LIGHTING                                                         |  |
| EXIT SIGNS                                                                 |  |
| FIRE DETECTION AND ALARM SYSTEM                                            |  |
| LIFE-SUPPORT SYSTEMS                                                       |  |



James R. Childers  
Architect, Inc.  
45 South 4th Street  
Fort Smith, AR 72901  
479-783-2460  
www.childersarchitect.com

PROFESSIONAL SEAL:

CONSULTANT LOGO



MMobley  
FIRE PROTECTION  
Mobley Fire Protection Engineering, LLC  
6242 Lingo Avenue  
Dallas, Texas 75214  
(972) 614-2361  
mmobley@fp.com  
OK Registered PE Firm 8650

CLIENT:



CHEROKEE NATION  
NFTL 6, 1959

CHEROKEE NATION  
W.W. HASTINGS REPLACEMENT HOSPITAL  
TAHLEQUAH, OKLAHOMA

KEY PLAN:

PROJECT PHASE:

**SCHEMATIC DESIGN**

| # | DATE | REVISIONS | DESCRIPTION |
|---|------|-----------|-------------|
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |

JOB NUMBER: 21-08.21

DATE: 05-06-2022

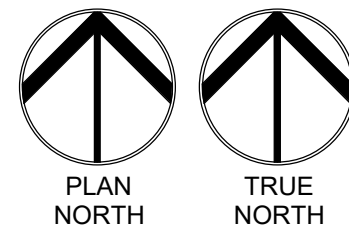
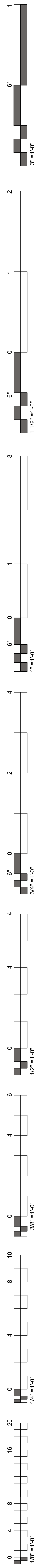
SHEET NUMBER:

**LS.00**

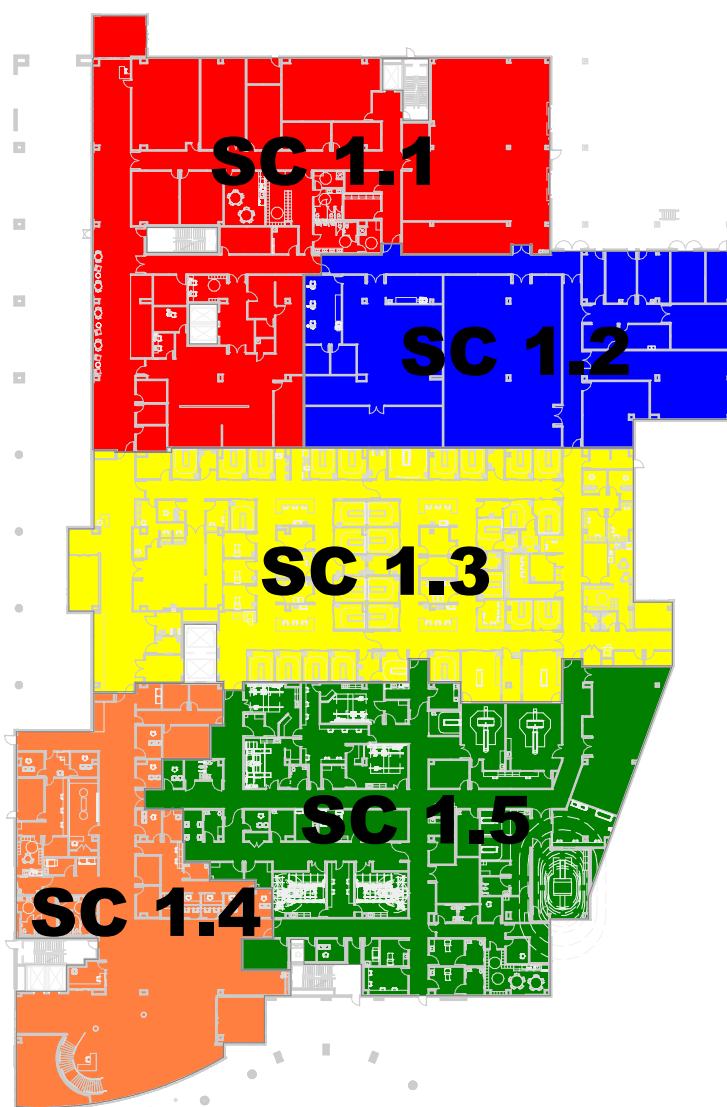
SHEET TITLE:

LIFE SAFETY CODE SUMMARY





**01 LIFE SAFETY PLAN - LEVEL 01**  
1/16" = 1'-0"



**02 SMOKE COMPARTMENTS - LEVEL 01**  
NTS

**LIFE SAFETY LEGEND**

- 2-HOUR FIRE BARRIER | 90-MINUTE FIRE DOOR
- 1-HOUR FIRE BARRIER | 45-MINUTE FIRE DOOR
- 1-HOUR SMOKE BARRIER | 20-MINUTE FIRE DOOR
- SMOKE PARTITION | SMOKE RESISTANT DOOR

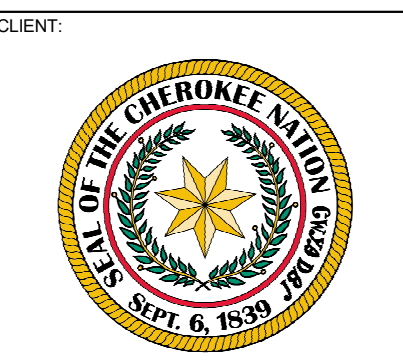
**SHEET NOTES**

- ALL CORRIDOR WALLS ARE SMOKE PARTITIONS, UNLESS INDICATED OTHERWISE.
- REFER TO THE CODE SUMMARY ON SHEET LS.00 FOR FURTHER INFORMATION.

PROFESSIONAL SEAL:

CONSULTANT LOGO

**MOBLEY**  
FIRE PROTECTION  
Mobley Fire Protection Engineering, LLC  
6242 Lino Avenue  
Dallas, Texas 75214  
(817) 614-2361  
mobleyfp.com  
OK Registered PE Firm 8850



**CHEROKEE NATION**  
**W.W. HASTINGS REPLACEMENT HOSPITAL**  
TAHLEQUAH, OKLAHOMA

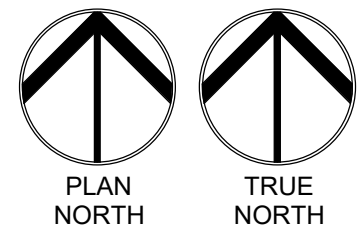
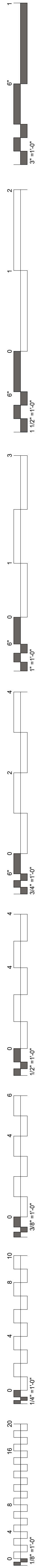
KEY PLAN:

PROJECT PHASE:  
**SCHEMATIC DESIGN**

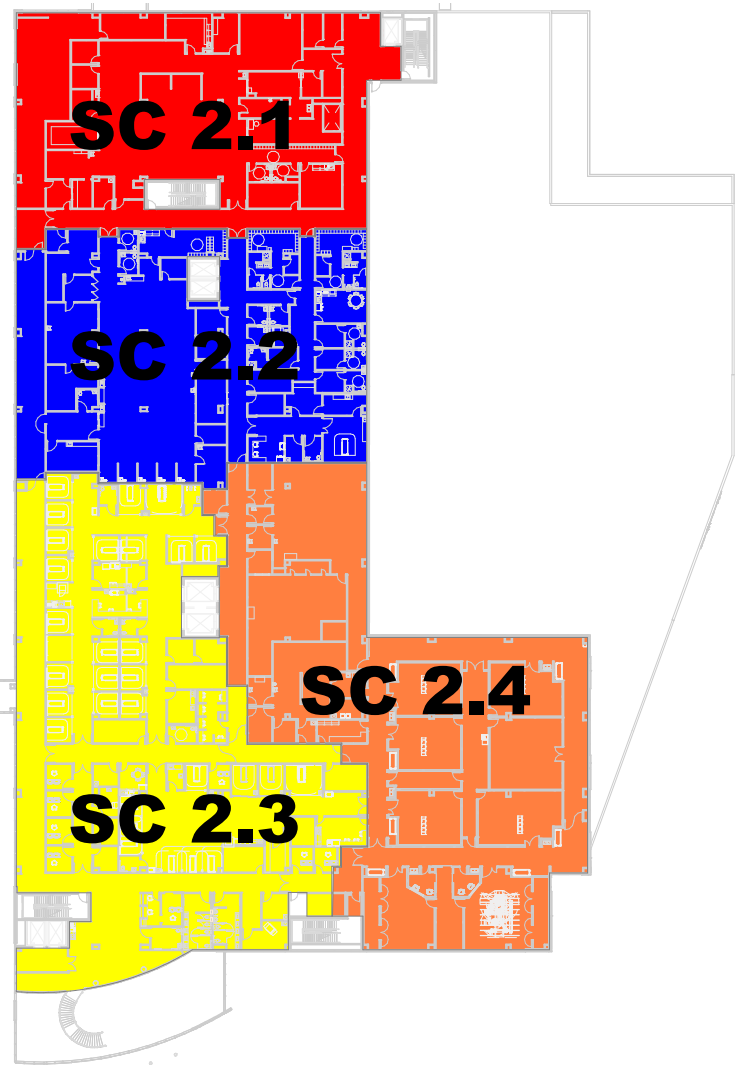
| # | DATE | REVISIONS | DESCRIPTION |
|---|------|-----------|-------------|
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |

JOB NUMBER: 21-08.21  
DATE: 05-06-2022  
SHEET NUMBER:  
**LS.01**  
SHEET TITLE:  
LIFE SAFETY PLAN - LEVEL 01





**01** LIFE SAFETY PLAN - LEVEL 02  
1/16" = 1'-0"



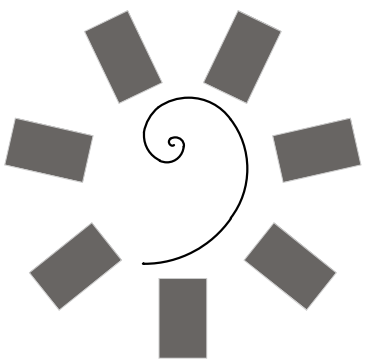
**02** SMOKE COMPARTMENTS - LEVEL 02  
NTS

**LIFE SAFETY LEGEND**

- 2-HOUR FIRE BARRIER | 90-MINUTE FIRE DOOR
- 1-HOUR FIRE BARRIER | 45-MINUTE FIRE DOOR
- 1-HOUR SMOKE BARRIER | 20-MINUTE FIRE DOOR
- SMOKE PARTITION | SMOKE RESISTANT DOOR

**SHEET NOTES**

- ALL CORRIDOR WALLS ARE SMOKE PARTITIONS, UNLESS INDICATED OTHERWISE.
- REFER TO THE CODE SUMMARY ON SHEET LS.00 FOR FURTHER INFORMATION.



James R. Childers  
Architect, Inc.  
45 South 4th Street  
Fort Smith, AR 72901  
479-783-2450  
www.childersarchitect.com

PROFESSIONAL SEAL:

CONSULTANT LOGO:

**MOBLEY**  
FIRE PROTECTION  
Mobley Fire Protection Engineering, LLC  
6242 Liano Avenue  
Dallas, Texas 75214  
(817) 614-2361  
mobleyfp.com  
OK Registered PE Firm 8850

CLIENT:



**CHEROKEE NATION**  
**W.W. HASTINGS REPLACEMENT HOSPITAL**  
TAHELEQUAH, OKLAHOMA

KEY PLAN:

PROJECT PHASE:

**SCHEMATIC DESIGN**

| # | DATE | REVISIONS | DESCRIPTION |
|---|------|-----------|-------------|
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |

JOB NUMBER: 21-08.21

DATE: 05-06-2022

SHEET NUMBER:

**LS.02**

SHEET TITLE:

LIFE SAFETY PLAN -  
LEVEL 02





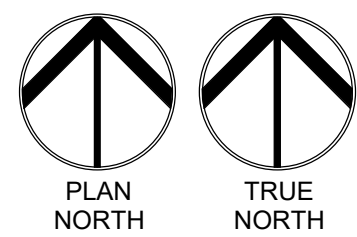
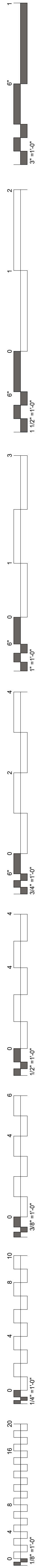
## SHEET NOTES

1. ALL CORRIDOR WALLS ARE SMOKE PARTITIONS, UNLESS INDICATED OTHERWISE.
2. REFER TO THE CODE SUMMARY ON SHEET LS.00 FOR FURTHER INFORMATION.

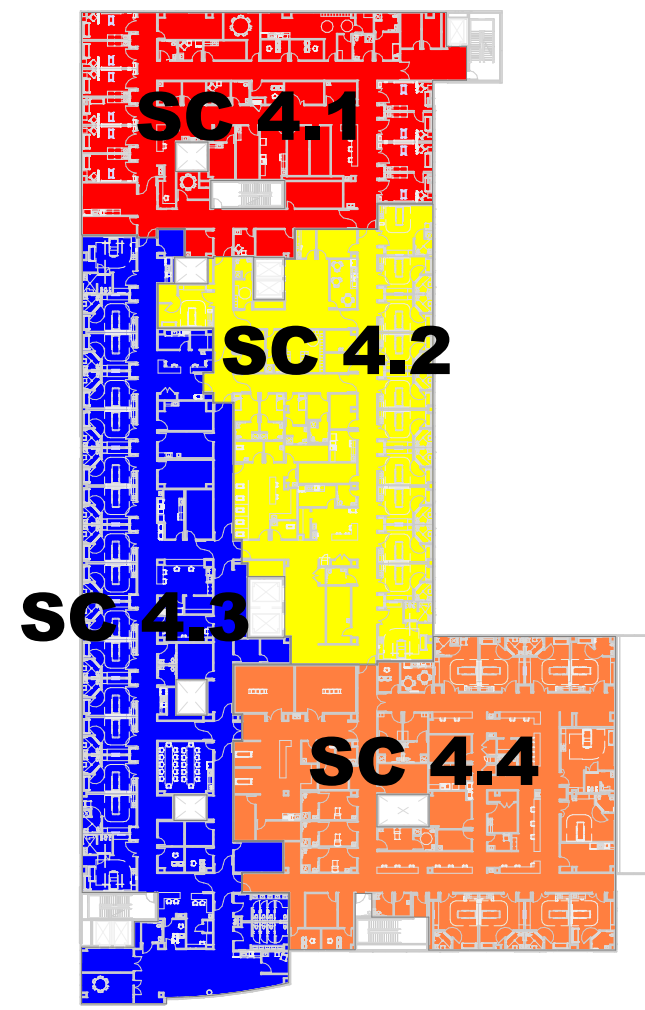


|               |                                |
|---------------|--------------------------------|
| JOB NUMBER:   | 21-08.21                       |
| DATE:         | 05-06-2022                     |
| SHEET NUMBER: | <b>LS.03</b>                   |
| SHEET TITLE:  | LIFE SAFETY PLAN -<br>LEVEL 03 |





**01 LIFE SAFETY PLAN - LEVEL 04**  
1/16" = 1'-0"



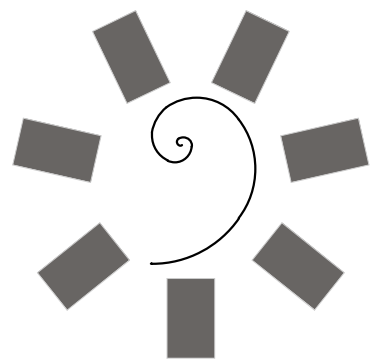
**02 SMOKE COMPARTMENTS - LEVEL 04**  
NTS

**LIFE SAFETY LEGEND**

- 2-HOUR FIRE BARRIER | 90-MINUTE FIRE DOOR
- 1-HOUR FIRE BARRIER | 45-MINUTE FIRE DOOR
- 1-HOUR SMOKE BARRIER | 20-MINUTE FIRE DOOR
- SMOKE PARTITION | SMOKE RESISTANT DOOR

**SHEET NOTES**

- ALL CORRIDOR WALLS ARE SMOKE PARTITIONS, UNLESS INDICATED OTHERWISE.
- REFER TO THE CODE SUMMARY ON SHEET LS.00 FOR FURTHER INFORMATION.



James R. Childers  
Architect, Inc.  
45 South 4th Street  
Fort Smith, AR 72901  
479-783-2450  
www.childersarchitect.com

PROFESSIONAL SEAL:

CONSULTANT LOGO:

**MOBLEY**  
FIRE PROTECTION  
Mobley Fire Protection Engineering, LLC  
6242 Llano Avenue  
Dallas, Texas 75214  
(817) 614-2361  
mobleyfp.com  
OK Registered PE Firm 8850

CLIENT:



**CHEROKEE NATION**  
**W.W. HASTINGS REPLACEMENT HOSPITAL**  
TAHLEQUAH, OKLAHOMA

KEY PLAN:

PROJECT PHASE:

**SCHEMATIC DESIGN**

| # | DATE | REVISIONS | DESCRIPTION |
|---|------|-----------|-------------|
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |

JOB NUMBER: 21-08.21

DATE: 05-06-2022

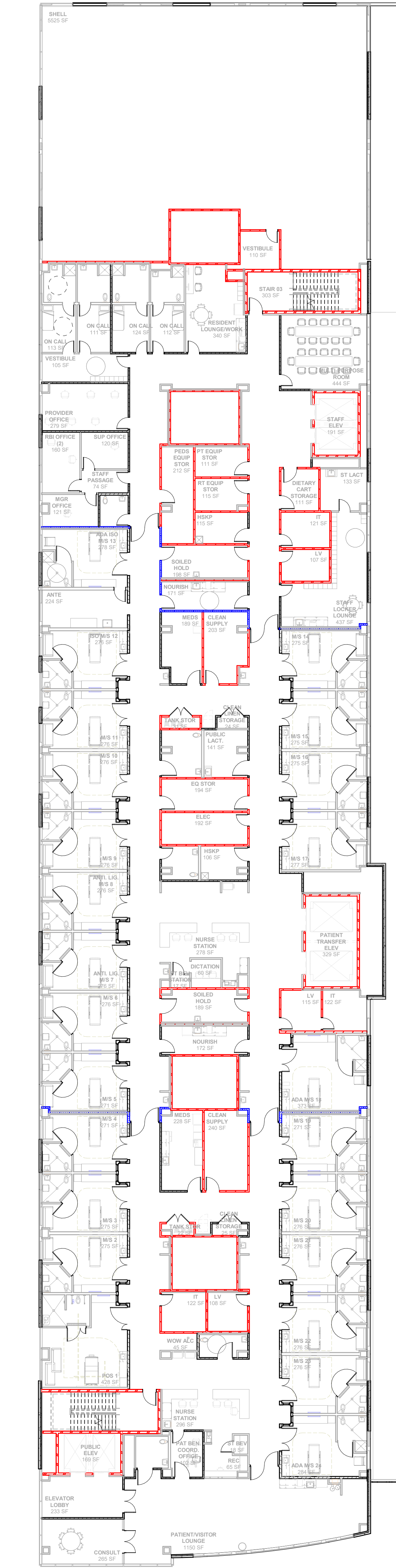
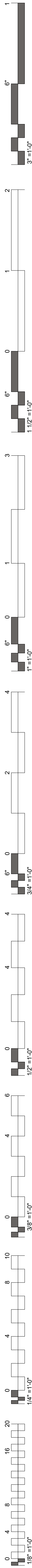
SHEET NUMBER:

**LS.04**

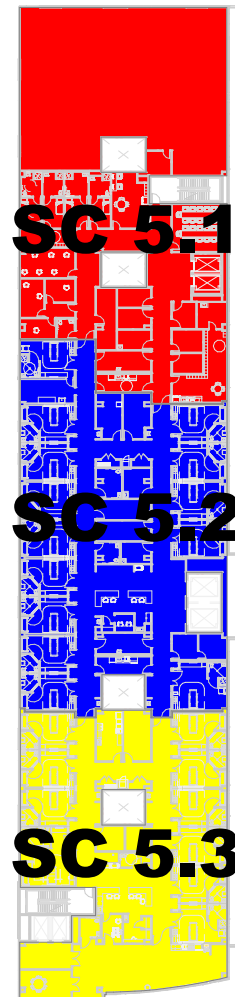
SHEET TITLE:

LIFE SAFETY PLAN -  
LEVEL 04





**01 LIFE SAFETY PLAN - LEVEL 05**  
1/16" = 1'-0"



**02 SMOKE COMPARTMENTS - LEVEL 05**  
NTS

- LIFE SAFETY LEGEND**
- 2-HOUR FIRE BARRIER | 90-MINUTE FIRE DOOR
  - 1-HOUR FIRE BARRIER | 45-MINUTE FIRE DOOR
  - 1-HOUR SMOKE BARRIER | 20-MINUTE FIRE DOOR
  - SMOKE PARTITION | SMOKE RESISTANT DOOR

- SHEET NOTES**
- ALL CORRIDOR WALLS ARE SMOKE PARTITIONS, UNLESS INDICATED OTHERWISE.
  - REFER TO THE CODE SUMMARY ON SHEET LS.00 FOR FURTHER INFORMATION.

James R. Childers  
Architect, Inc.  
45 South 4th Street  
Fort Smith, AR 72901  
479-783-2460  
www.childersarchitect.com

PROFESSIONAL SEAL:

CONSULTANT LOGO

**MOBLEY**  
FIRE PROTECTION  
Mobley Fire Protection Engineering, LLC  
6242 Llano Avenue  
Dallas, Texas 75214  
(817) 614-2361  
mobleyfp.com  
OK Registered PE Firm 6850

CLIENT:

CHEROKEE NATION  
NAT. 6, 1859

**CHEROKEE NATION**  
**W.W. HASTINGS REPLACEMENT HOSPITAL**  
TAHLEQUAH, OKLAHOMA

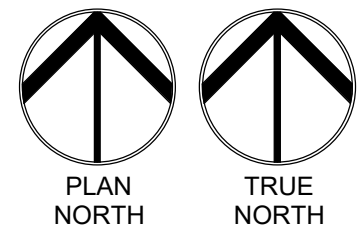
KEY PLAN:

PROJECT PHASE:  
**SCHEMATIC DESIGN**

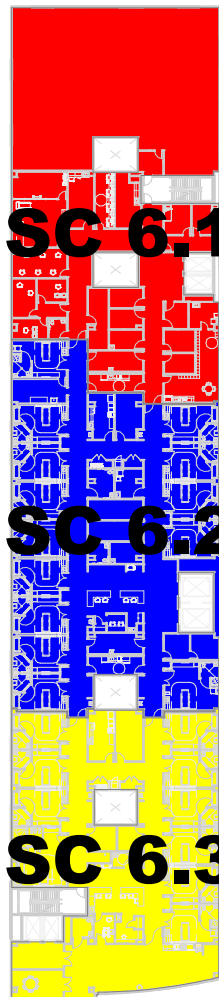
| # | DATE | REVISIONS | DESCRIPTION |
|---|------|-----------|-------------|
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |
|   |      |           |             |

JOB NUMBER: 21-08.21  
DATE: 05-06-2022  
SHEET NUMBER:  
**LS.05**  
SHEET TITLE:  
LIFE SAFETY PLAN - LEVEL 05





## 01 LIFE SAFETY PLAN - LEVEL 06



## SC 6.1

## SC 6.2

## SC 6.3

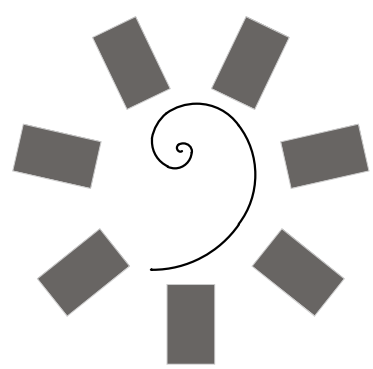
## 02 SMOKE COMPARTMENTS - LEVEL 06

## LIFE SAFETY LEGEND

- |                                                                                       |                                            |
|---------------------------------------------------------------------------------------|--------------------------------------------|
|  | 2-HOUR FIRE BARRIER   90-MINUTE FIRE DOOR  |
|  | 1-HOUR FIRE BARRIER   45-MINUTE FIRE DOOR  |
|  | 1-HOUR SMOKE BARRIER   20-MINUTE FIRE DOOR |
|  | SMOKE PARTITION   SMOKE RESISTANT DOOR     |

## SHEET NOTES

1. ALL CORRIDOR WALLS ARE SMOKE PARTITIONS, UNLESS INDICATED OTHERWISE.
2. REFER TO THE CODE SUMMARY ON SHEET LS.00 FOR FURTHER INFORMATION.



**James R. Childers**  
**Architect, Inc.**  
45 South 4th Street  
Fort Smith, AR 72901  
479-783-2480  
[www.childersarchitect.com](http://www.childersarchitect.com)

PROFESSIONAL SEAL

CONSULTANT LOGO:



Mobley Fire Protection Engineering, LL  
6242 Llano Avenue  
Dallas, Texas 75214  
(817) 614-2361  
mobleyfp.com

OK Registered PE Firm 8650

**CLIENT:**



**CHEROKEE NATION**  
**W.W. HASTINGS REPLACEMENT HOSPITAL**

TAHLEQUAH, OKLAHOMA

### KEY PLAN:

PROJECT PHASE:

## SCHEMATIC DESIGN

| REVISIONS |             |
|-----------|-------------|
| DATE      | DESCRIPTION |
|           |             |
|           |             |
|           |             |
|           |             |
|           |             |
|           |             |

21-08.21

DATE: 05-06-2022

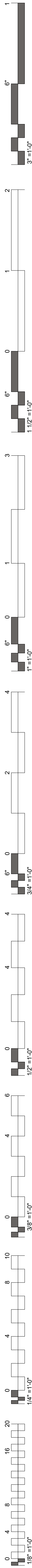
SHEET NUMBER:

## LS.06

SHEET TITLE

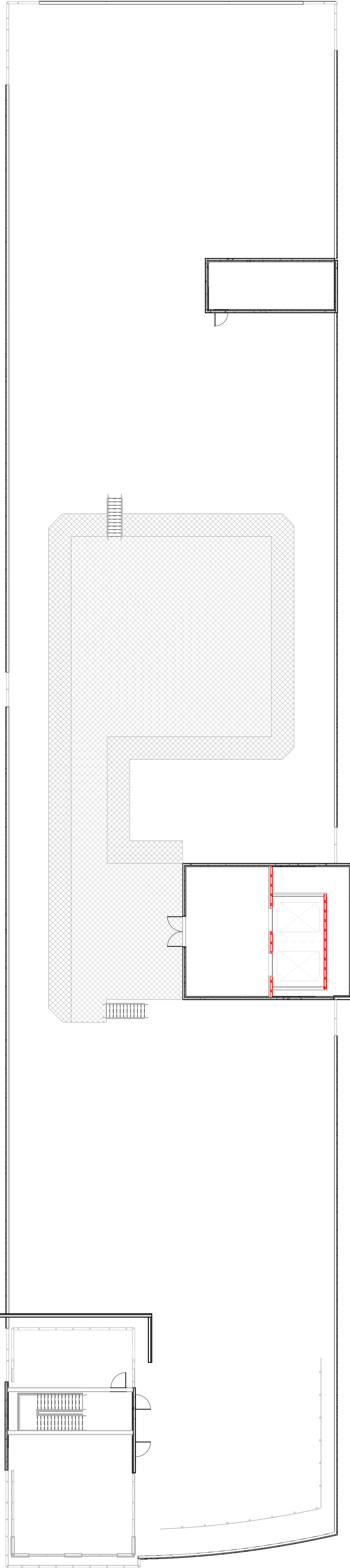
LIFE SAFETY PLAN -  
LEVEL 06





## 02 LIFE SAFETY PLAN - ROOF/HELIPAD

1/16" = 1'-0"

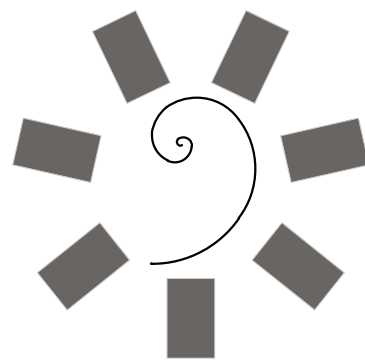


### LIFE SAFETY LEGEND

- 2-HOUR FIRE BARRIER | 90-MINUTE FIRE DOOR
- 1-HOUR FIRE BARRIER | 45-MINUTE FIRE DOOR
- 1-HOUR SMOKE BARRIER | 20-MINUTE FIRE DOOR
- SMOKE PARTITION | SMOKE RESISTANT DOOR

### SHEET NOTES

- REFER TO THE CODE SUMMARY ON SHEET LS.00 FOR FURTHER INFORMATION.



James R. Childers  
Architect, Inc.  
45 South 4th Street  
Fort Smith, AR 72901  
479-783-2480  
www.childersarchitect.com

PROFESSIONAL SEAL:

CONSULTANT LOGO

**MOBLEY**  
FIRE PROTECTION  
Mobley Fire Protection Engineering, LLC  
6242 Liano Avenue  
Dallas, Texas 75214  
(817) 614-2361  
mobleyfp.com  
OK Registered PE Firm 6850

CLIENT:



## CHEROKEE NATION W.W. HASTINGS REPLACEMENT HOSPITAL

TAHLEQUAH, OKLAHOMA

KEY PLAN:

PROJECT PHASE:

**SCHEMATIC DESIGN**

| # | DATE | REVISIONS<br>DESCRIPTION |
|---|------|--------------------------|
|   |      |                          |
|   |      |                          |
|   |      |                          |
|   |      |                          |
|   |      |                          |
|   |      |                          |
|   |      |                          |

JOB NUMBER: 21-08.21

DATE: 05-06-2022

SHEET NUMBER:

**LS.07**

SHEET TITLE:

LIFE SAFETY PLAN -  
ROOF/HELIPAD