



"Your Protective Shield
In the Code War"

Lauzon

Life Safety Consulting, LLC

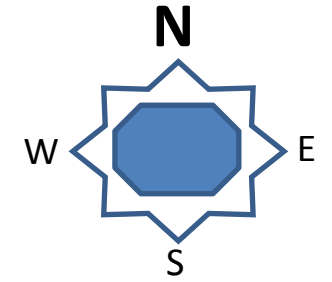
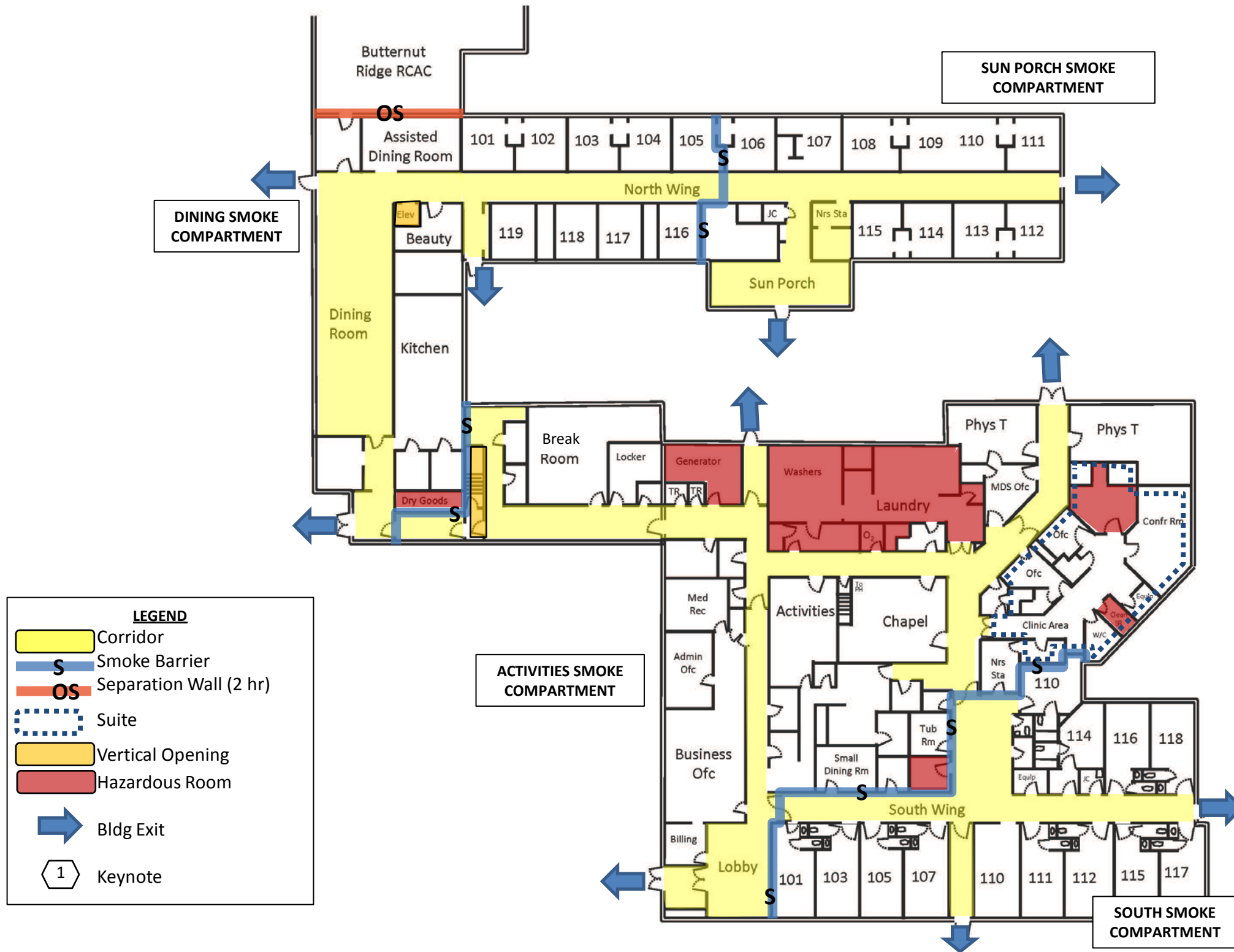
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Former Facility Director & Surveyor
"Common Sense Compliance"

STEPS TO GENERATE AN INSPECTION LIFE SAFETY PLAN

1. Start with a set of **building drawings** that are accurate.
 - a. Best to be blank, i.e., except for room names and numbers, they have no other markings, such as life safety features, dimensions, column lines, notes, fire alarm components, etc. There should be no architectural logo or other sheet markings that take up space.
 - b. The building should take up as much as the sheet as possible. There should be a separate sheet for each floor, which with the same scale.
 - c. Upper floors should show the outlines of roofs of the floor immediately below and be shown in the same location on each sheet and be the same scale.
 - d. Minimize using separate sheets for different portions of the same building on the same floor (i.e. match lines) unless necessary to be readable.
 - e. Best to be 8-1/2x11 or 11x17
2. Mark the **perimeter** of each building
 - a. Mark the **date of construction** (officially the date of plan submittal to DQA) for each building. If portions had major remodeling, mark those dates.
 - b. Mark the construction type on each building.
 - c. Highlight the building separation wall between each building with "orange" if the adjacent buildings have different construction types and mark with "BS".
3. Mark the precise location of each **occupancy** within each building.
 - a. Highlight the separation wall between each building with "orange" and label as "OS"
 - b. Mark the NFPA occupancy group on each side of the separation wall.
4. Mark the precise location of each **smoke barrier** wall.
 - a. Highlight with "blue"
5. Mark the precise locations of each **corridor**, including spaces that are open to the corridor.
 - a. Highlight with "yellow"
6. Mark all **vertical openings** (stairways, elevators, dumbwaiters, shafts, chutes).
 - a. Highlight with "orange"
7. Mark each **hazardous** room.
 - a. Highlight with "pink"
8. Identify all **suites**.
 - a. Highlight with a "green" or "dark blue" dashed perimeter line.
9. Mark the **travel distances** on the drawings
 - a. Exit corridor travel distance
 - b. Smoke travel distance
 - c. Suite travel distance
10. Evaluate all elements per the **"smart" LSC** recommendations

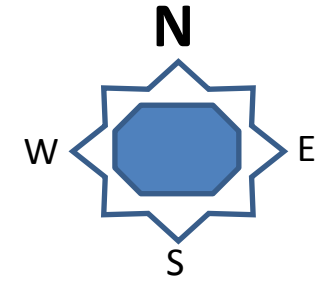
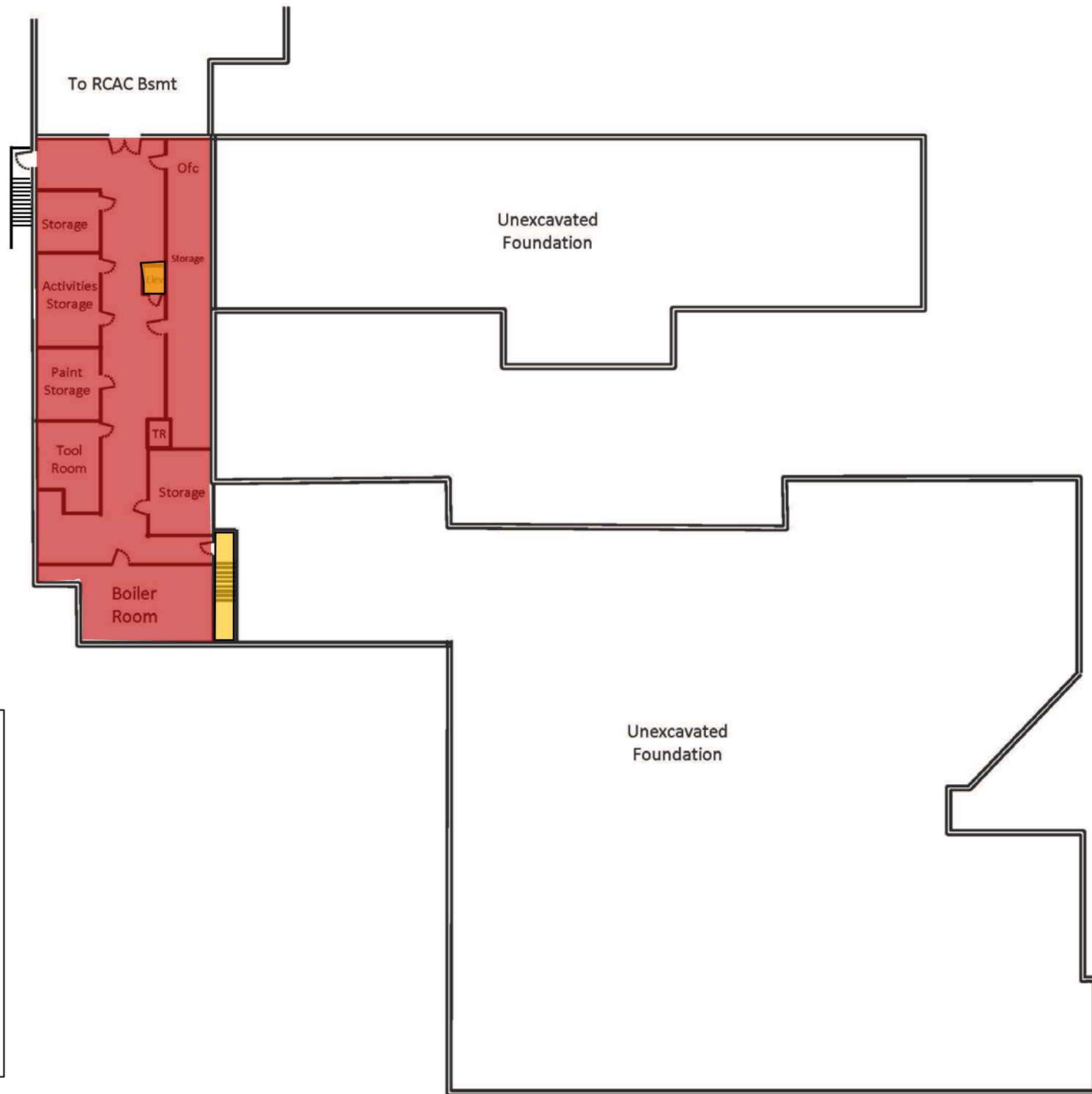


Sheet
1

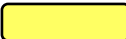







1st FLOOR

LIFE SAFETY PLAN

Date- BL



LEGEND

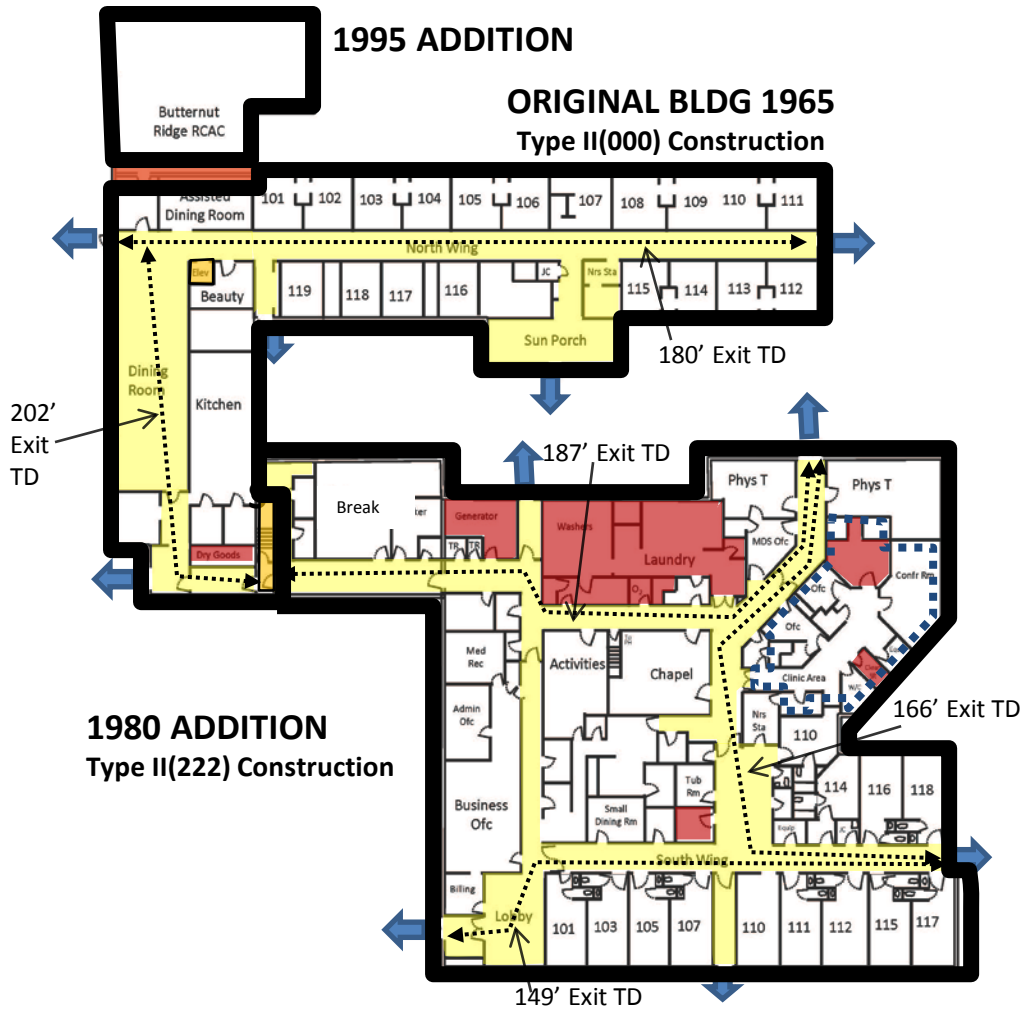
-  Corridor
-  Smoke Barrier
-  Separation Wall (2 hr)
-  Suite
-  Vertical Opening
-  Hazardous Room
-  Bldg Exit
-  Keynote

Sheet
2

Basement

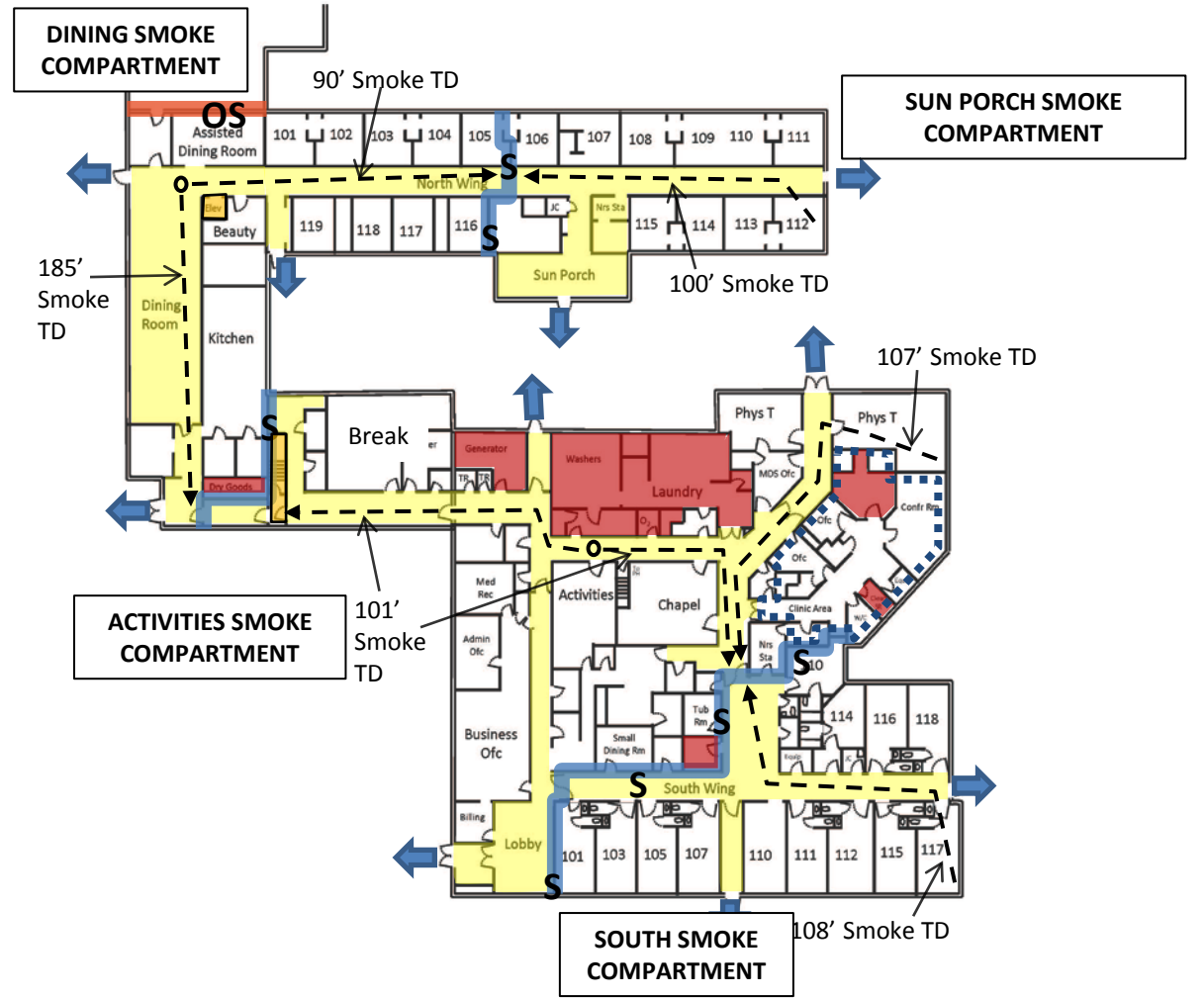
LIFE SAFETY PLAN

Date- BL



CONSTRUCTION & EXIT INFORMATION

Corridor Exit Travel Distance (In a fully sprinkled building): Max 150' from any corridor door to an exit (or 300' between exits)



SMOKE COMPARTMENT INFORMATION

Smoke Travel Distance: Max 200' from any point in a smoke compartment to a door in an adjacent smoke compartment

Sheet
3













Building Info

LIFE SAFETY PLAN

Date- BL

INSPECTION LIFE SAFETY PLAN

LIFE SAFETY CODE REQUIREMENTS

LIFE SAFETY LEGEND		WALL REQUIREMENTS	DOOR REQUIREMENTS
NON-RATED WALLS & DOORS:		NON-RATED WALLS:	NON-RATED DOORS: ALL: CLOSER NOT REQUIRED; DOOR MUST CLOSE WITH A SLIGHT PUSH OR PULL
	CORRIDOR (yellow fill)	ALL YRS: RESIST PASSAGE OF SMOKE VIA (A) FULL HEIGHT OR (B) WALLS UP TO CORRIDOR CEILING + SMOKE-TIGHT CEILING	ALL YRS: RESIST PASSAGE OF SMOKE WITH FRAME STOPS; SPRING-LOADED POSITIVE LATCHES; NO GRILLS (EXCEPT IN TOILETS, ETC); 1" UNDERCUT
	SUITE BOUNDARY (blue dashed line)	SAME AS CORRIDOR WALLS	SAME AS CORRIDOR WALLS
RATED WALLS & DOORS:		RATED WALLS:	RATED DOOR & FRAMES: ALL: CLOSER; 3/4" UNDERCUT; PDS LATCH; HOLD-OPEN ONLY W/ELECT-MAG-SMK DET
	VERTICAL OPENING (green fill)	>2003: 1-HR RATED IF BLDG IS <4 STORIES; 2-HR IF 4 OR MORE <2003: 1-HR RATED FOR ALL STORIES	>2003: 60 MIN RATED IF BLDG IS <4 STORIES; 90 MIN IF 4 OR MORE <2003: 45 MIN RATED FOR ALL STORIES
	HAZARDOUS ROOM (red/pink fill)	>2003: 1-HR RATED; STORE RMS >=100 SF; SMOKE-TIGHT IF 50-99 SF <2003: (A) 1-HR RATED OR (B) SMOKE-TIGHT	>2003: 45 MIN RATED <2003: (A) 45 MIN RATED OR (B) SMOKE-TIGHT + CLOSER
	SMOKE BARRIER (blue line, w/SB)	>2003: 1-HR RATED-FULL HEIGHT <2003: 30 MIN RATED-FULL HEIGHT	>2003: 20 MIN LABEL <2003: (A) 20 MIN RATED OR (B) MIN 1-3/4" THICK SOLID WOOD CORE
	OCCUPANCY SEPARATION (green line, w/OS)	ALL YRS: 2-HR RATING-FULL HEIGHT	ALL YRS: 90 MIN RATING
	BUILDING SEPARATION (green line, w/BS)	ALL YRS: 2-HR RATING-FULL HEIGHT	ALL YRS: 90 MIN RATING
	HORIZONTAL EXIT (green line)	ALL YRS: 2-HR RATING-FULL HEIGHT	ALL YRS: 90 MIN RATING
TRAVEL DISTANCE ROUTES:		TRAVEL DISTANCES:	
	SUITE TRAVEL DISTANCE (black dash)	ALL YRS: 100' THRU 1 OR 2 RMS; 50' THRU 2 ROOMS	
	SMOKE TRAVEL DISTANCE (black dash-dot)	ALL YRS: 200' TO AN UNLOCKED DOOR IN THE ADJ SMOKE COMPARTMENT	
	EXIT TRAVEL DISTANCE (black dash-dot-dot)	ALL YRS: 150' FROM ANY CORRIDOR DOOR TO AN EXIT, WHICH MEANS THAT EXITS MUST BE LESS THAN 300' APART	
	COMMON PATH OF TRAVEL DIST.	NOT APPLICABLE IN HEALTH CARE BUSINESS OCCUPANCIES: 100'	
NOTE: Each of the above lines are shown individually. If a wall has multiple functions, each function is shown separately, beside each		SHOWN ARE THE REQUIREMENTS IN HEALTHCARE OCCUPANCIES THAT ARE SPRINKLED; ALWAYS CONSULT THE ACTUAL CODE FOR FULL REQUIREMENTS	



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CHECK LIST FOR A 'SMART' LIFE SAFETY PLAN

1. Constr Types, Building Separations

- ☐ Verify Constr Type for Ea Bldg
- ☐ Avoid Type V (if not sprinkled)
- ☐ Avoid 2 Hr Walls

2. Occupancy Separations

- ☐ Minimize Health Care
- ☐ Use Business or Storage where Possible
- ☐ Check Basements

3. Corridors

- ☐ Avoid Corridors – Maximize Suites
- ☐ Confirm Dead End Corridors
- ☐ Check spaces open to corridors

4. Suites

- ☐ Check for rooms within rooms
- ☐ Confirm Size & Travel Distance
- ☐ Confirm remote exits
- ☐ Maximize Suites; Minimize Corridors

5. Exits

- ☐ Verify Signed Exits
- ☐ Corridor Travel Distance
- ☐ Minimize Exits...Not all exterior doors
- ☐ Check for "NO exits"

6. Stairs

- ☐ Open Stairs – Confirm Exception
- ☐ Confirm Exit Discharge Path OK
- ☐ Communicating Stairs

7. Smoke Barriers

- ☐ More Compartments = More Cites
- ☐ Know Exact Wall Location & Confirm Route
- ☐ Confirm Size & Travel Distance

8. 2 Hour Walls

- ☐ More 2,3,4 Hr Walls = More Cites

9. Shafts

- ☐ Check Air Handler Rms
- ☐ Match Duct Risers to Shafts
- ☐ Match Damper Inventory to Shafts

10. Hazardous Rooms

- ☐ Color so Easily Spotted
- ☐ Keep under 50 Sq. Ft.
- ☐ Check before Every Survey

11. LSP Key Notes

- ☐ Explain All exceptions & gray areas
- ☐ Give Location of Support Doc
- ☐ Doc prior AHJ Acceptance