

A0.30

OCCUPANCY R-2 = 125' WITH SPRINKLERS

R-2 = 20

 ELEC
 WATER ROOM

 S-2 OLF: 300
 S-1 OLF: 300

 73 SF
 309 SF

 1 OCCUPANTS
 2 OCCUPANTS

OTHER OCCUPANCIES (INCLUDES A, M) = 75' WITH SPRINKLERS

1. MEANS OF EGRESS SIZING (IBC 1005.3)

A. STAIRWAYS (1005.3.1) EXCEPTION:

CAPACITY FACTOR OF 0.20 INCHES PER OCCUPANT WITH SPRINKLERS & EMERGENCY ALARM

B. DOORS & OTHER COMPONENTS (1005.3.2) EXCEPTION:

CAPACITY FACTOR OF 0.15 INCHES PER OCCUPANT WITH SPRINKLERS & EMERGENCY ALARM

2. COMMON PATH OF EGRESS TRAVEL (1006.2.1):

OCCUPANCY B, S = 100' WITH SPRINKLERS

3. EXIT ACCESS AND DOORWAYS (1006.2.1)

MAXIMUM OCCUPANT LOAD FOR SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY:
A, B, M = 49
S = 29

4. SEPARATION OF EXITS (1007.1.1) EXCEPTION:
DOOR SEPARATION SHOULD BE MINIMUM 1/3 DIAGONAL OF SPACE SERVED WITH SPRINKLERS
5. MAXIMUM EXIT ACCESS TRAVEL DISTANCE (1017.2) WITH SPRINKLER SYSTEM:
OCCUPANCIES A, M, R, S-1 = 250' WITH SPRINKLERS
OCCUPANCY B = 300' WITH SPRINKLERS

LEGEND

DOOR

33" / 0.15

CLEAR WIDTH / REQUIRED CAPACITY FACTOR
MAX ALLOWABLE CAPACITY PER PROVIDED WIDTH

NUMBER OF OCCUPANTS AT AN EXIT

EXIT DOOR WITH PANIC HARDWARE

FIRE EXTINGUISHER LOCATION

EXIT SIGN LOCATION

EXIT SIGN LOCATION

CALCULATED DISTANCE
(COMMON PATH OF TRAVEL, MAX TRAVEL DISTANCE)

1-HOUR WALL RATING

2-HOUR WALL RATING

ELEVATOR SMOKE CURTAIN

FIRE PUMP ROOM
| S.2 | OLF 300 | CONTROL ROOM | S.2 | OLF 300 | AREA | AS | OLF 300 | AREA | AS | OLF 300 | AREA | AS | OLF 300 | AS | OLF 30

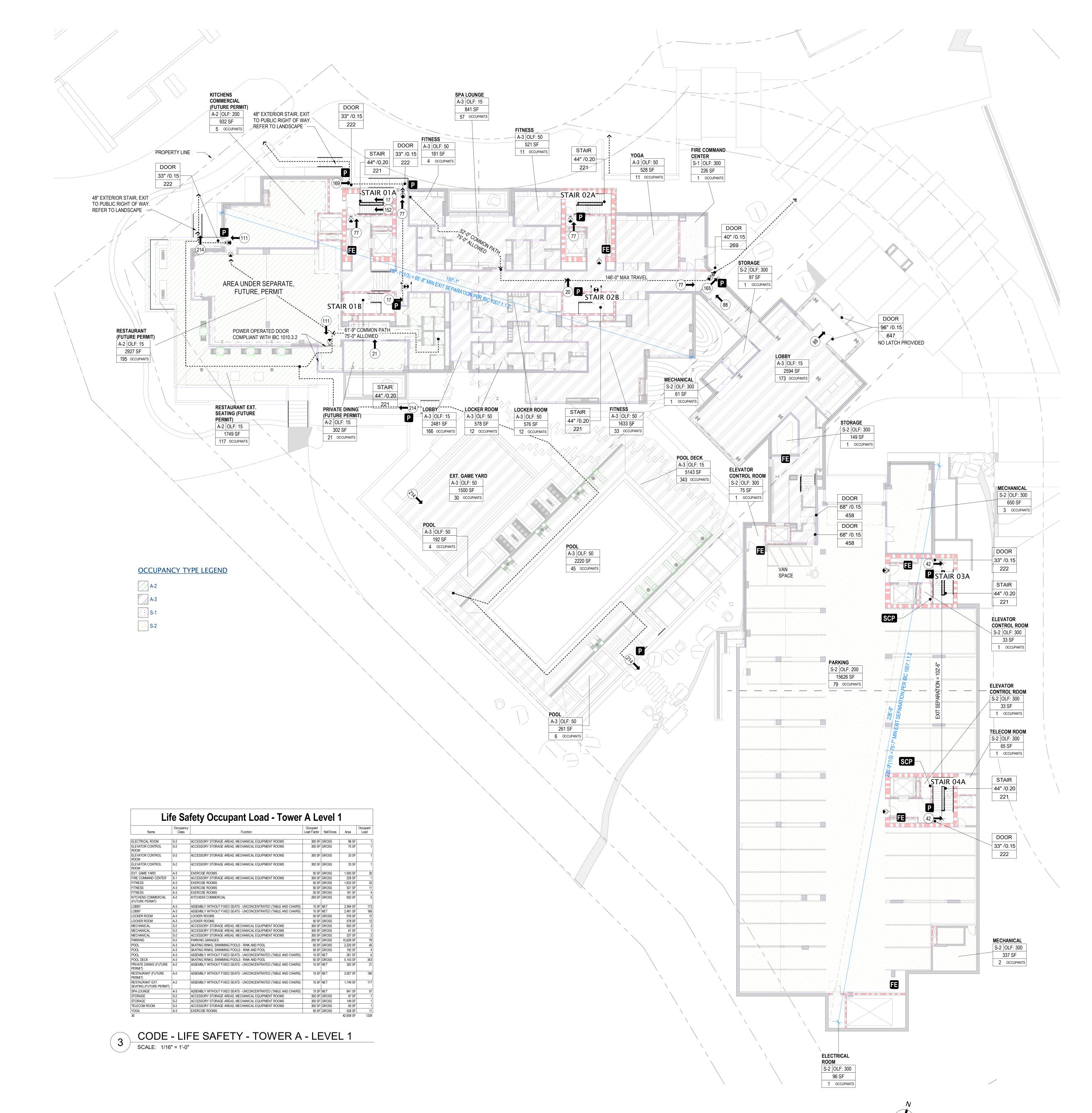
S-2 OLF: 300 993 SF

4 OCCUPANTS

Life Safety Occupant Load - Tower B Level B									
Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupa Load			
CORRIDOR	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	993 SF				
ELEC	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	73 SF				
ELEVATOR CONTROL ROOM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	49 SF				
ELEVATOR CONTROL ROOM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	73 SF				
FIRE PUMP ROOM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	237 SF				
LIMITED COMMON AREA	A-3	RESIDENTIAL	200 SF	GROSS	1,670 SF				
LIMITED COMMON AREA	A-3	RESIDENTIAL	200 SF	GROSS	653 SF				
STORAGE	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	406 SF				
STORAGE	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	371 SF				
WATER ROOM	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	309 SF				

CODE - LIFE SAFETY - TOWER B - LEVEL B

SCALE: 1/16" = 1'-0"



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MEP Engineer WSP USA

Seattle, WA 98154

date 11/18/2022 sions:

1 09/30/22 BUILDING PERMIT
RESUBMITTAL#1

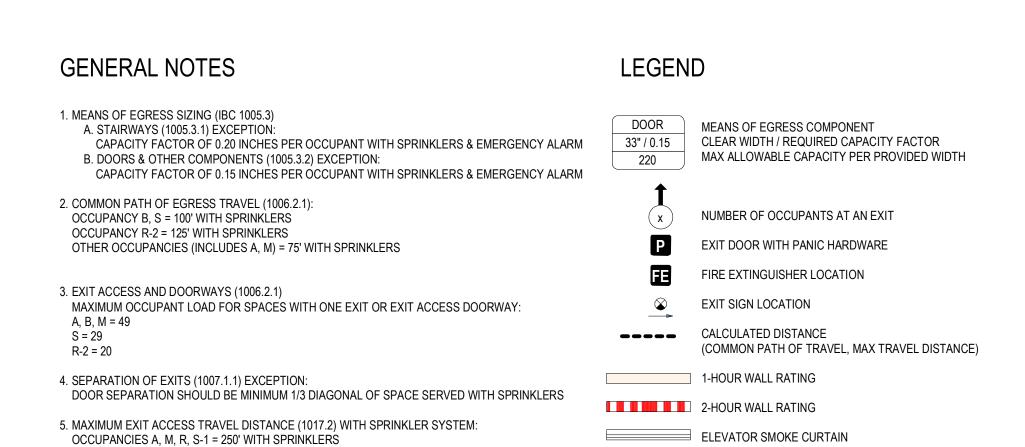
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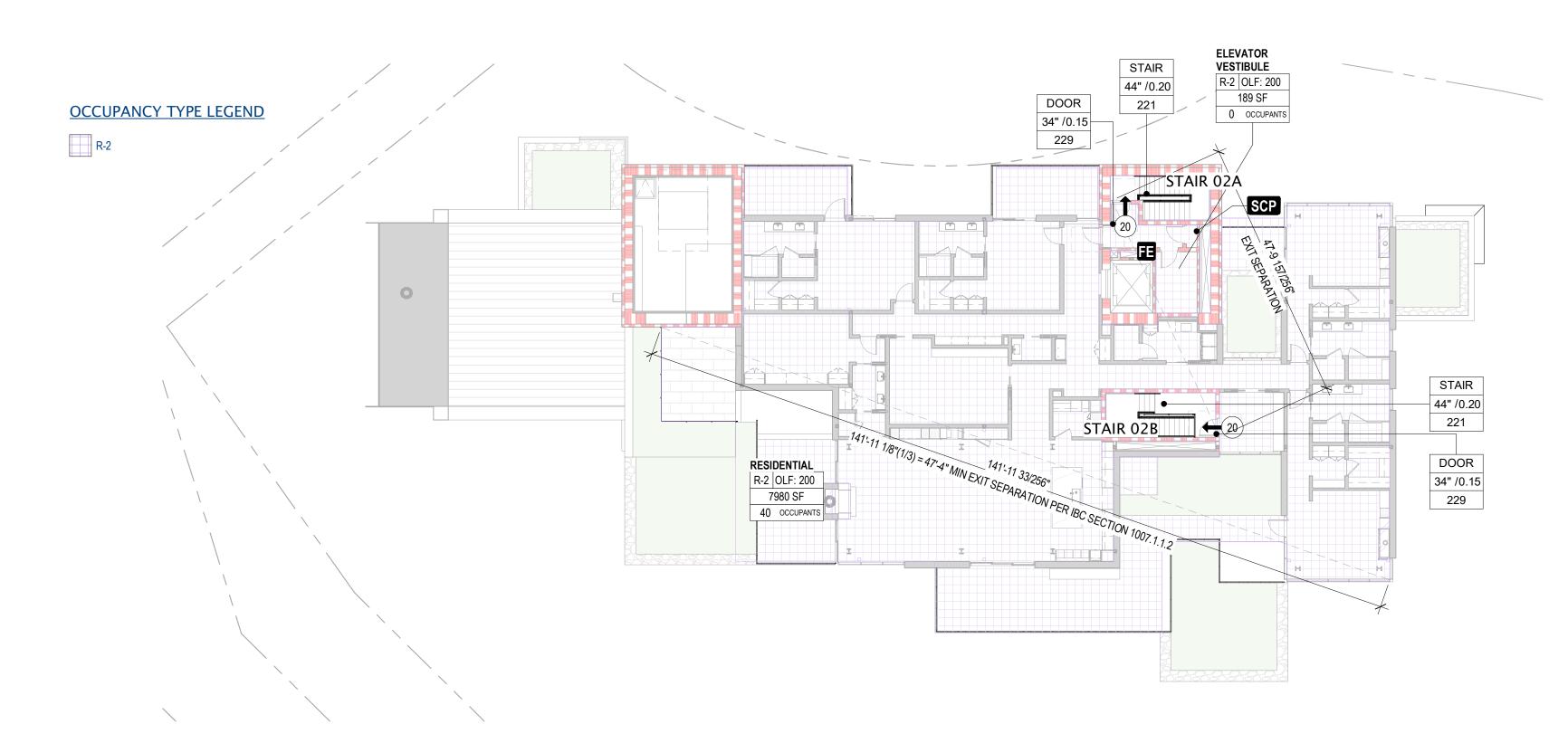
11/18/2022

CODE ANALYSIS - LIFE SAFETY - TOWER AB PODIUM

A0.31



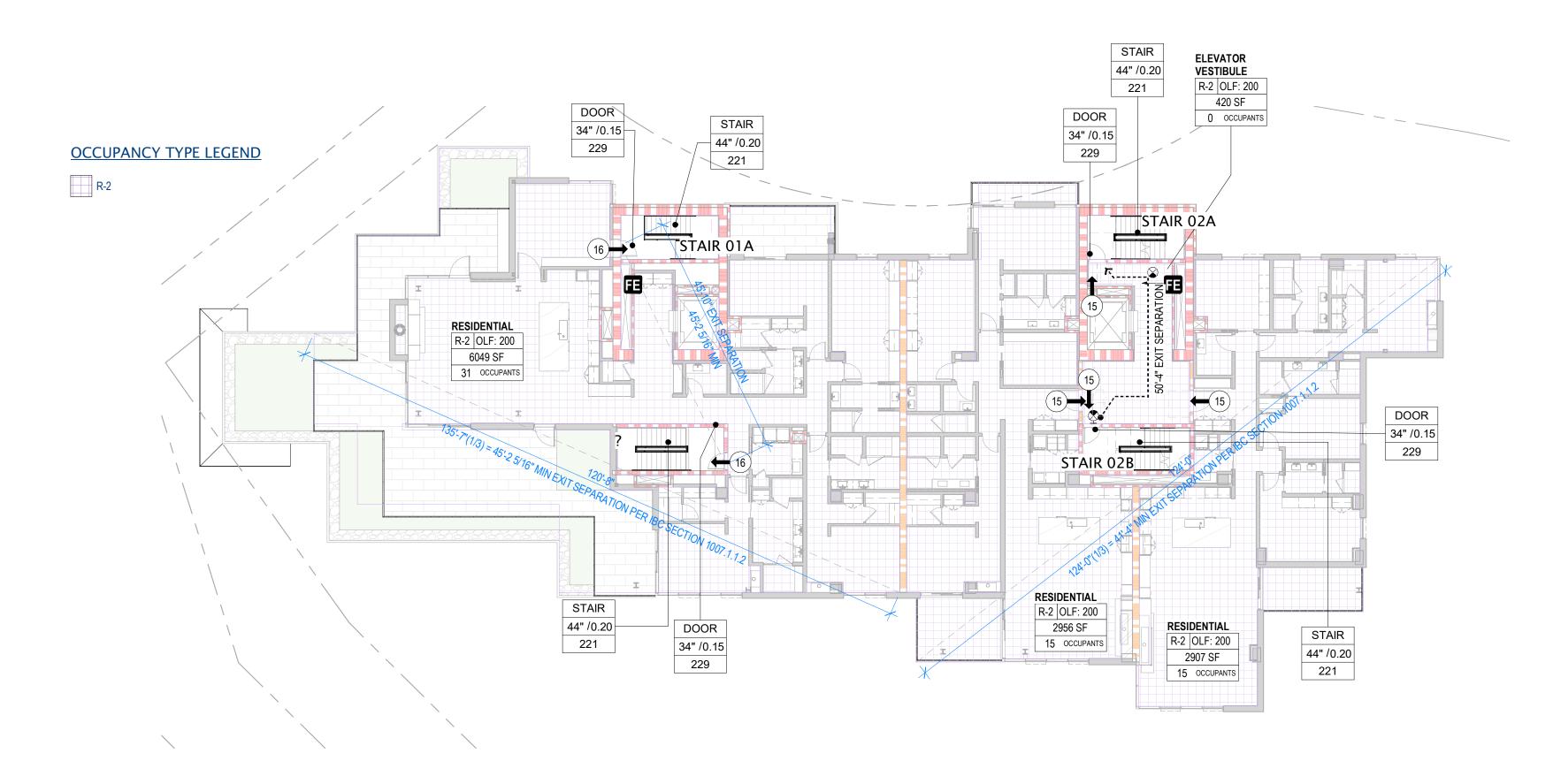
OCCUPANCY B = 300' WITH SPRINKLERS



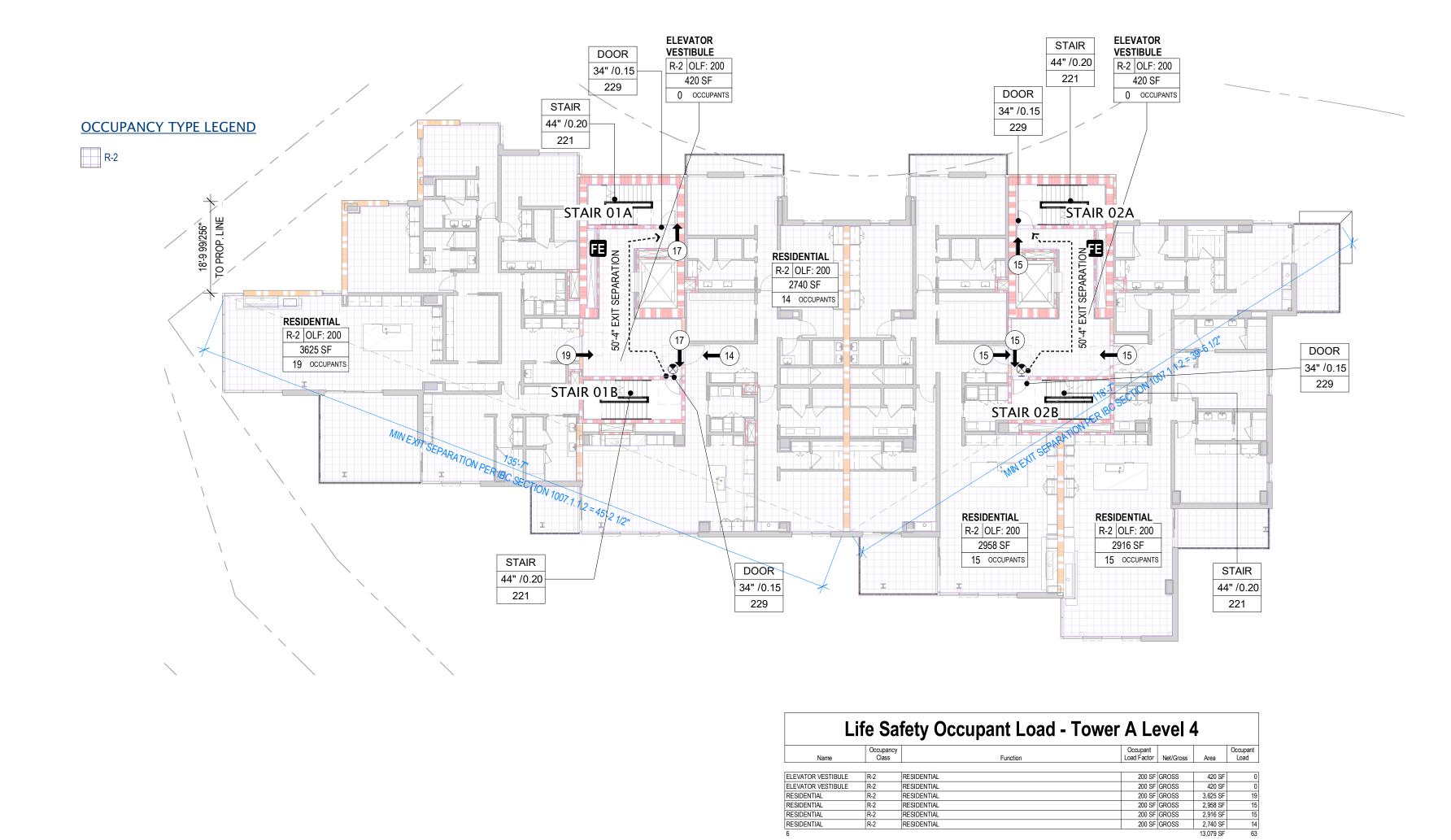
Life Safety Occupant Load - Tower A Level 6								
Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupan Load		
ELEVATOR VESTIBULE	R-2	RESIDENTIAL	200 SF	GROSS	189 SF			
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	7,980 SF	4		
2	•		•	•	8,169 SF	4		

CODE - LIFE SAFETY - TOWER A - LEVEL 6 4 CODE - LIFE

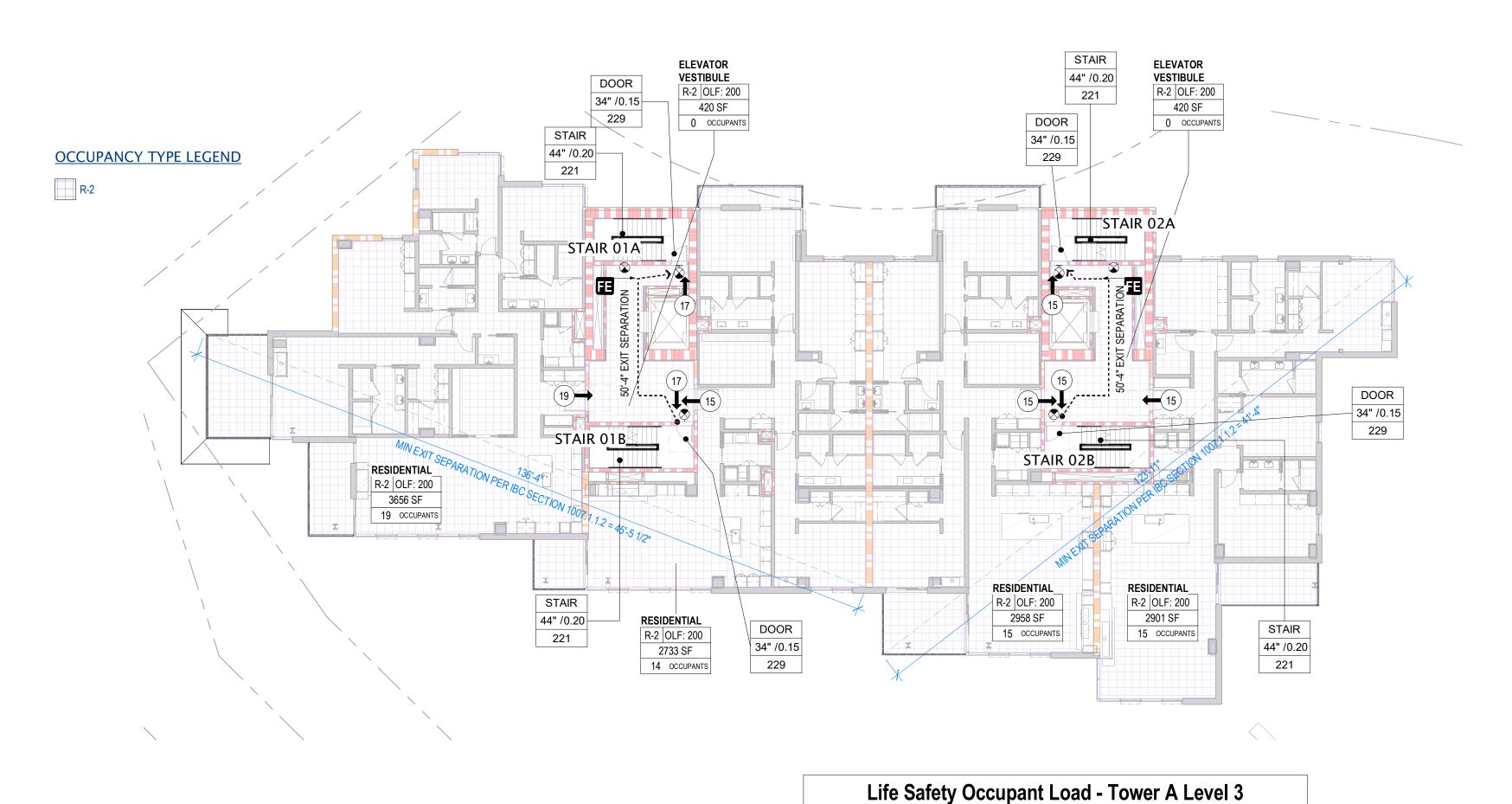
SCALE: 1/16" = 1'-0"



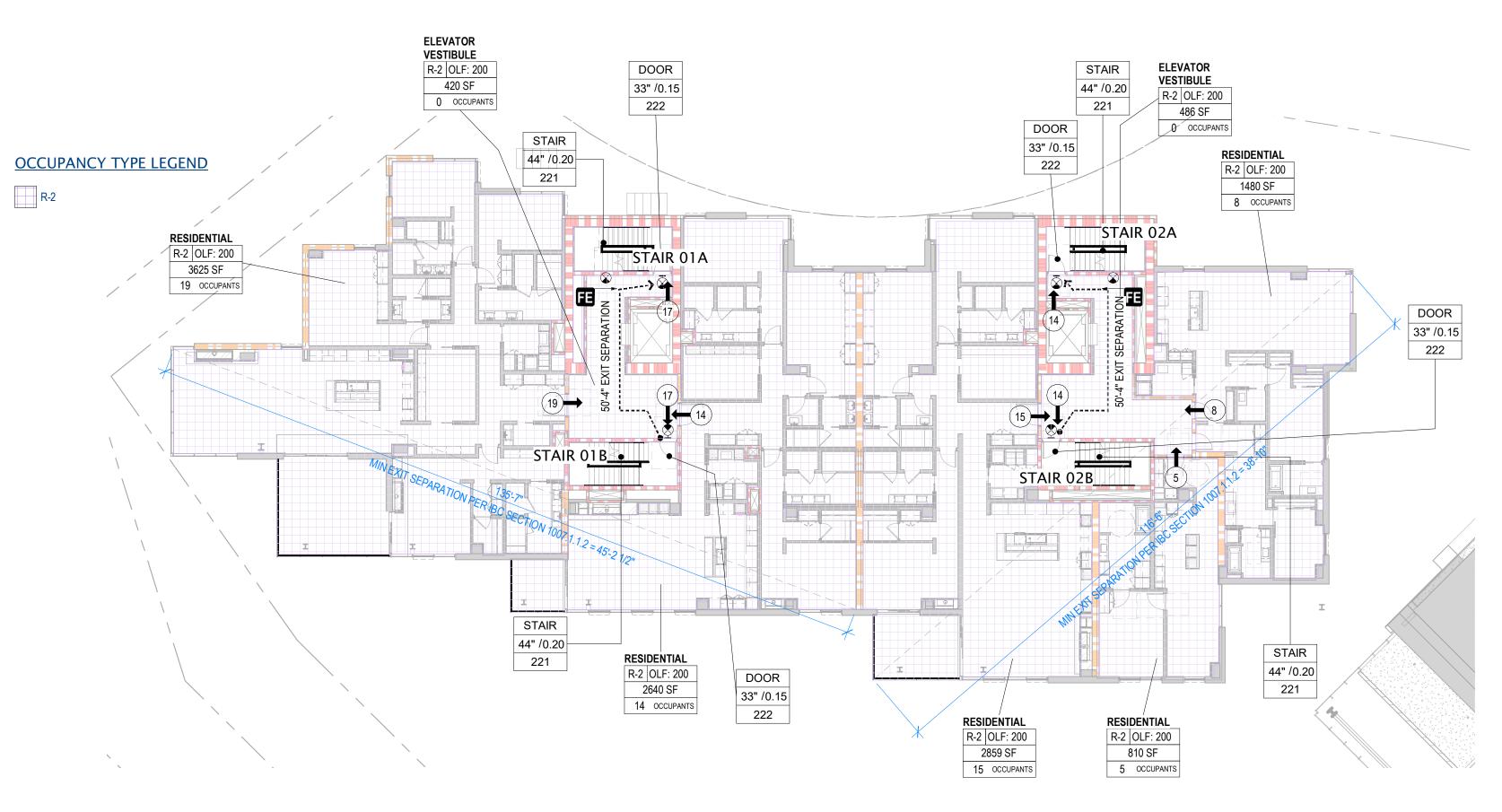
Life Safety Occupant Load - Tower A Level 5								
Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load		
ELEVATOR VESTIBULE	R-2	RESIDENTIAL	200 SF	GROSS	420 SF			
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	6,049 SF	3		
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	2,956 SF	1		
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	2,907 SF	1		
1	•		•		12,332 SF	6		



CODE - LIFE SAFETY - TOWER A - LEVEL 4 2 SCALE: 1/16" = 1'-0"



CODE - LIFE SAFETY - TOWER A - LEVEL 3 SCALE: 1/16" = 1'-0"



ELEVATOR VESTIBULE
ELEVATOR VESTIBULE
RESIDENTIAL
RESIDENTIAL
RESIDENTIAL
RESIDENTIAL

Life Safety Occupant Load - Tower A Level 2 Occupant Load Factor Net/Gross Area Cocupant Load ELEVATOR VESTIBULE
ELEVATOR VESTIBULE
RESIDENTIAL
RESIDENTIAL
RESIDENTIAL
RESIDENTIAL
RESIDENTIAL
RESIDENTIAL
 200 SF
 GROSS
 420 SF

 200 SF
 GROSS
 486 SF

 200 SF
 GROSS
 3,625 SF

 200 SF
 GROSS
 2,640 SF

 200 SF
 GROSS
 2,859 SF

 200 SF
 GROSS
 1,480 SF

 200 SF
 GROSS
 810 SF

 12,320 SF
 12,320 SF
 5 CODE - LIFE SAFETY - TOWER A - LEVEL 2

SCALE: 1/16" = 1'-0"

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Occupant Load Factor Net/Gross Area Cocupant Load

200 SF GROSS 200 SF GROSS

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principal architect <u>TK, KM</u> project manager TM, JB, LB, MD

drawn by SK, SS, JR, CP, AL,
NH, EK, BD, EB checked by JB job no. 20052 date 11/18/2022 1 09/30/22 BUILDING PERMIT
RESUBMITTAL #1

> ISSUED FOR CONSTRUCTION 11/18/2022

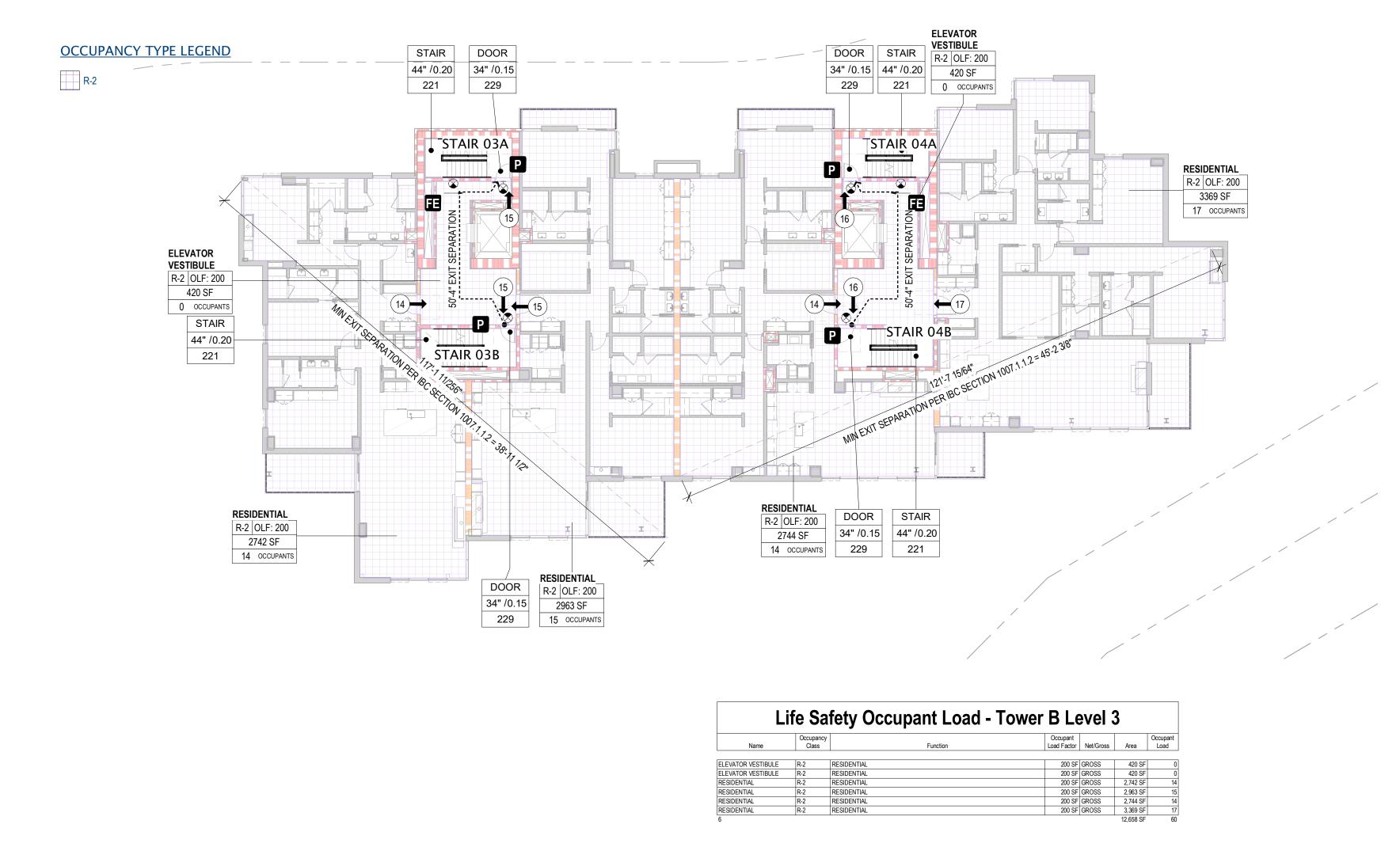
no. date

CODE ANALYSIS - LIFE SAFETY - TOWER A A0.32

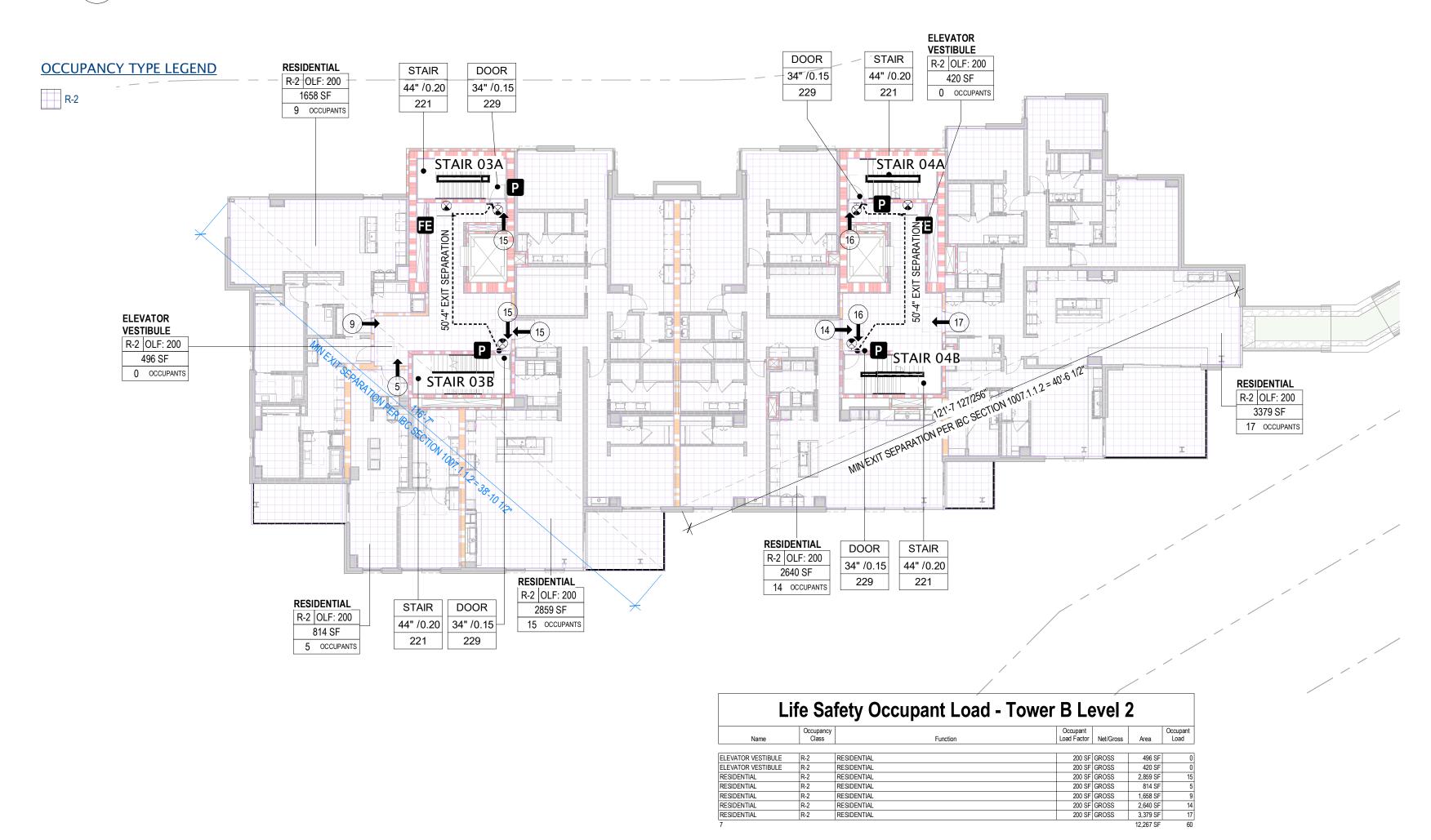
CODE - LIFE SAFETY - TOWER A - LEVEL 5

SCALE: 1/16" = 1'-0"

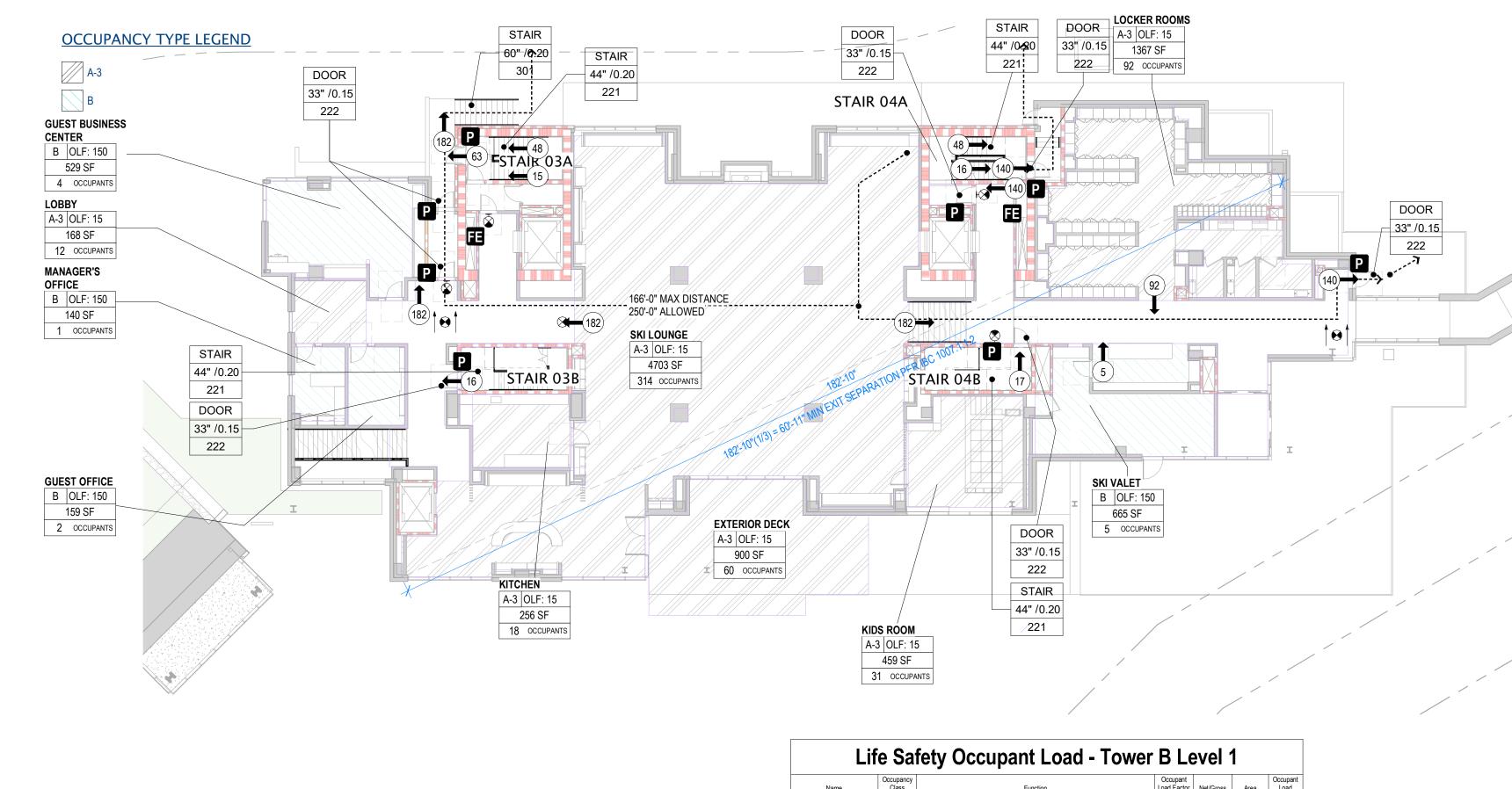
GENERAL NOTES LEGEND 1. MEANS OF EGRESS SIZING (IBC 1005.3) MEANS OF EGRESS COMPONENT A. STAIRWAYS (1005.3.1) EXCEPTION: CLEAR WIDTH / REQUIRED CAPACITY FACTOR CAPACITY FACTOR OF 0.20 INCHES PER OCCUPANT WITH SPRINKLERS & EMERGENCY ALARM MAX ALLOWABLE CAPACITY PER PROVIDED WIDTH B. DOORS & OTHER COMPONENTS (1005.3.2) EXCEPTION: CAPACITY FACTOR OF 0.15 INCHES PER OCCUPANT WITH SPRINKLERS & EMERGENCY ALARM 2. COMMON PATH OF EGRESS TRAVEL (1006.2.1): NUMBER OF OCCUPANTS AT AN EXIT OCCUPANCY B, S = 100' WITH SPRINKLERS OCCUPANCY R-2 = 125' WITH SPRINKLERS EXIT DOOR WITH PANIC HARDWARE OTHER OCCUPANCIES (INCLUDES A, M) = 75' WITH SPRINKLERS FIRE EXTINGUISHER LOCATION 3. EXIT ACCESS AND DOORWAYS (1006.2.1) **EXIT SIGN LOCATION** MAXIMUM OCCUPANT LOAD FOR SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY: A, B, M = 49CALCULATED DISTANCE S = 29 (COMMON PATH OF TRAVEL, MAX TRAVEL DISTANCE) R-2 = 201-HOUR WALL RATING 4. SEPARATION OF EXITS (1007.1.1) EXCEPTION: DOOR SEPARATION SHOULD BE MINIMUM 1/3 DIAGONAL OF SPACE SERVED WITH SPRINKLERS 2-HOUR WALL RATING 5. MAXIMUM EXIT ACCESS TRAVEL DISTANCE (1017.2) WITH SPRINKLER SYSTEM: ELEVATOR SMOKE CURTAIN OCCUPANCIES A, M, R, S-1 = 250' WITH SPRINKLERS OCCUPANCY B = 300' WITH SPRINKLERS



CODE - LIFE SAFETY - TOWER B - LEVEL 3 SCALE: 1/16" = 1'-0"



2 CODE - LIFE SAFETY - TOWER B - LEVEL 2 SCALE: 1/16" = 1'-0"



CODE - LIFE SAFETY - TOWER B - LEVEL 1

SCALE: 1/16" = 1'-0"

| Name | Ccupancy | Function | Cocupant | Load Factor | Net/Gross | Area | Cocupant | Load Factor | Net/Gross | Area | Cocupant | Load Factor | Net/Gross | Area | Cocupant | Load Factor | Net/Gross | Area | Cocupant | Co

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drawn by SK, SS, JR, CP, AL, NH, EK, BD, EB

checked by JB

job no. 20052
date 11/18/2022

revisions:

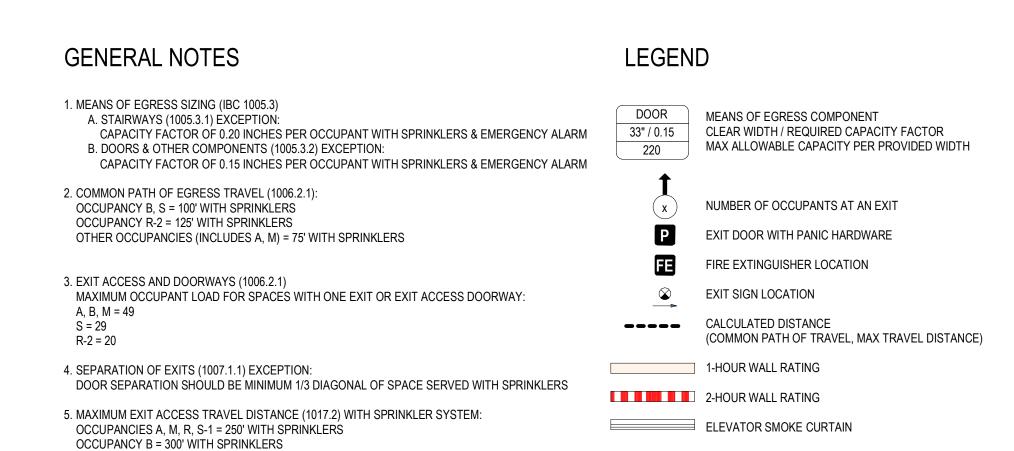
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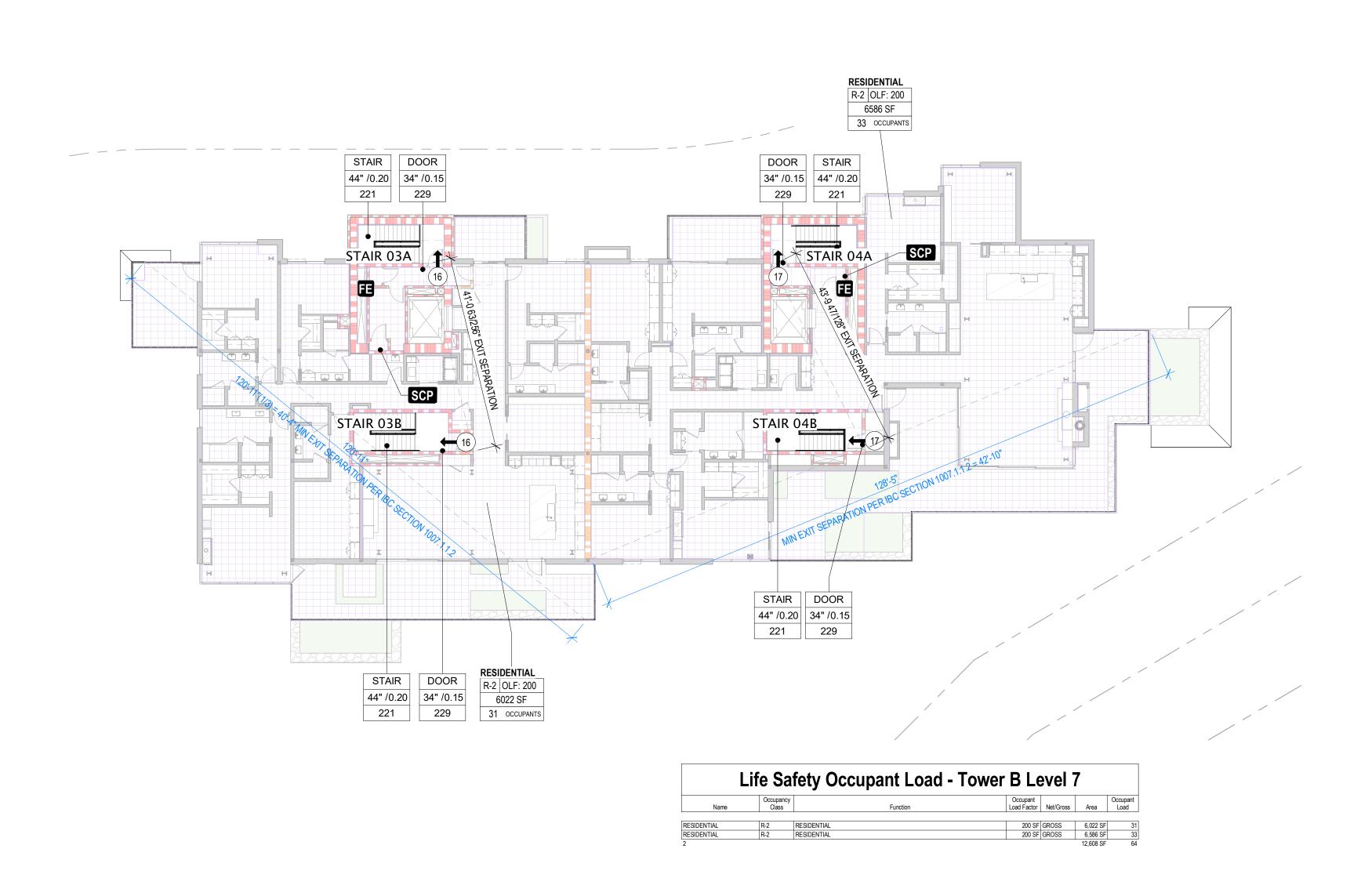
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CODE ANALYSIS - LIFE SAFETY - TOWER B

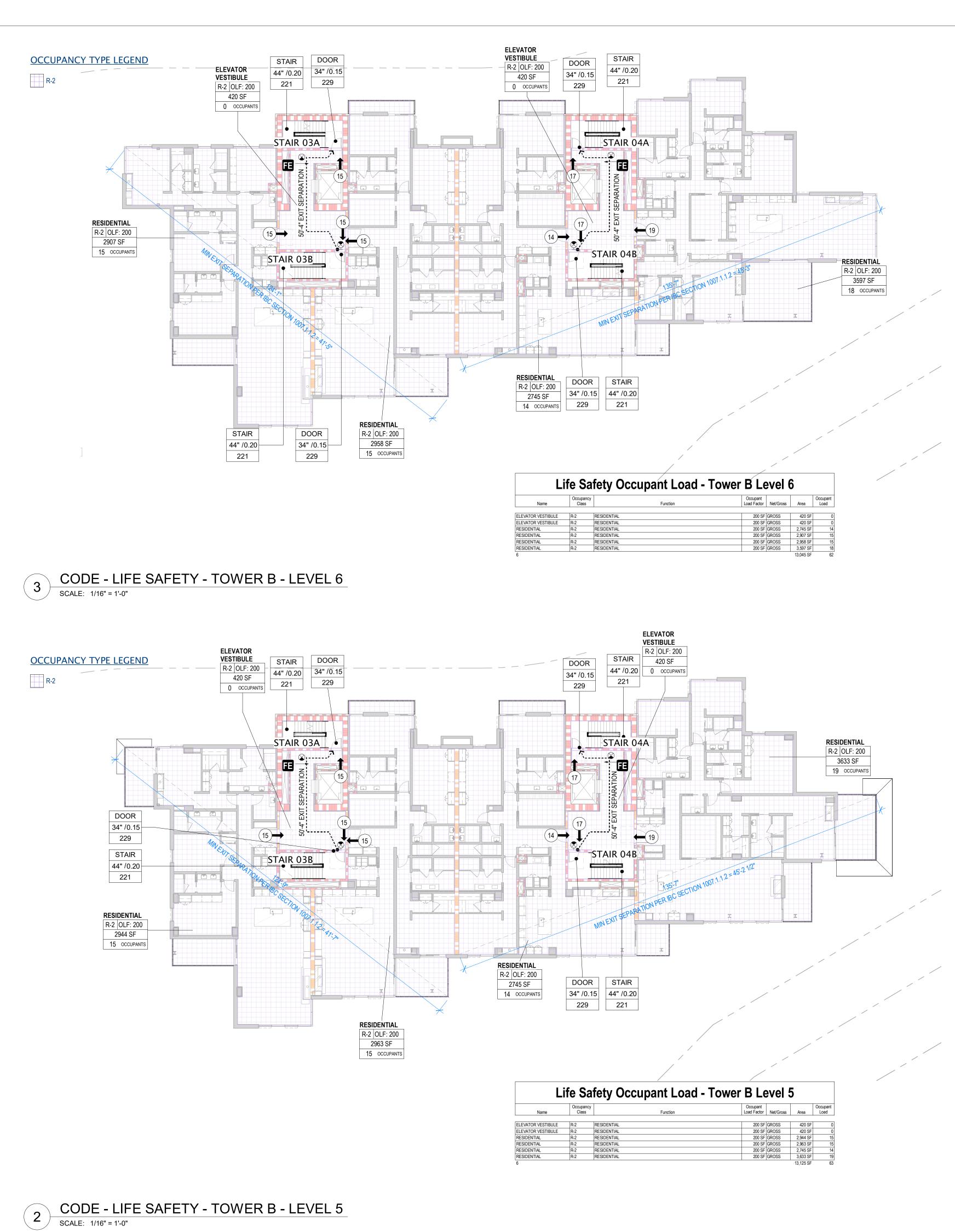
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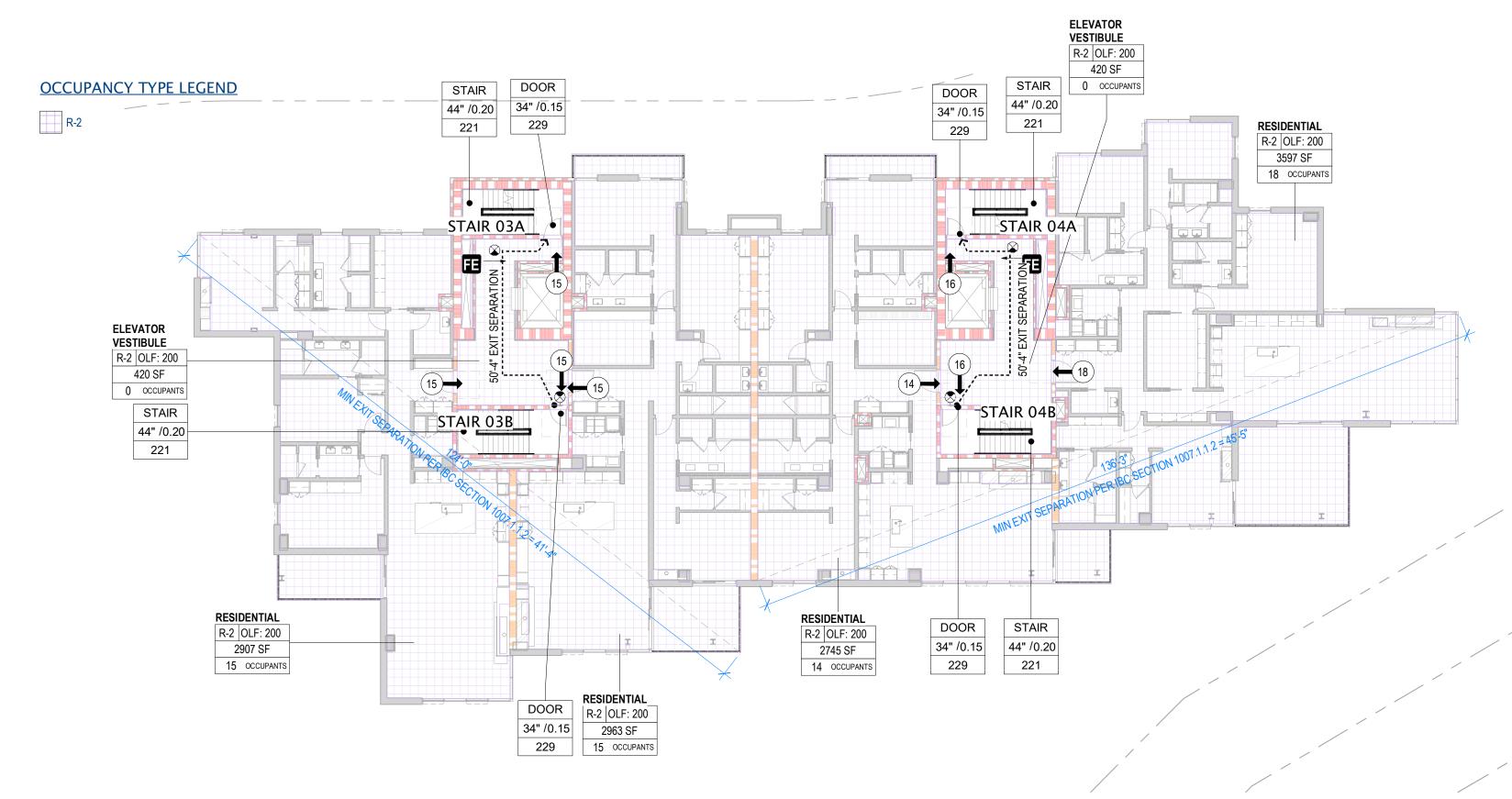


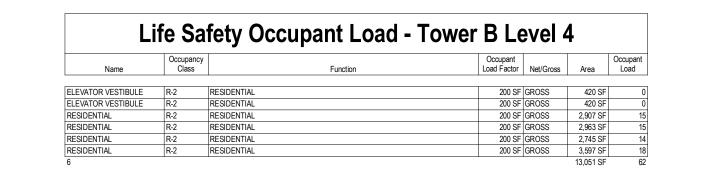


4 CODE - LIFE SAFETY - TOWER B - LEVEL 7

SCALE: 1/16" = 1'-0"







1 CODE - LIFE SAFETY - TOWER B - LEVEL 4
SCALE: 1/16" = 1'-0"

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checked by JB

job no. 20052

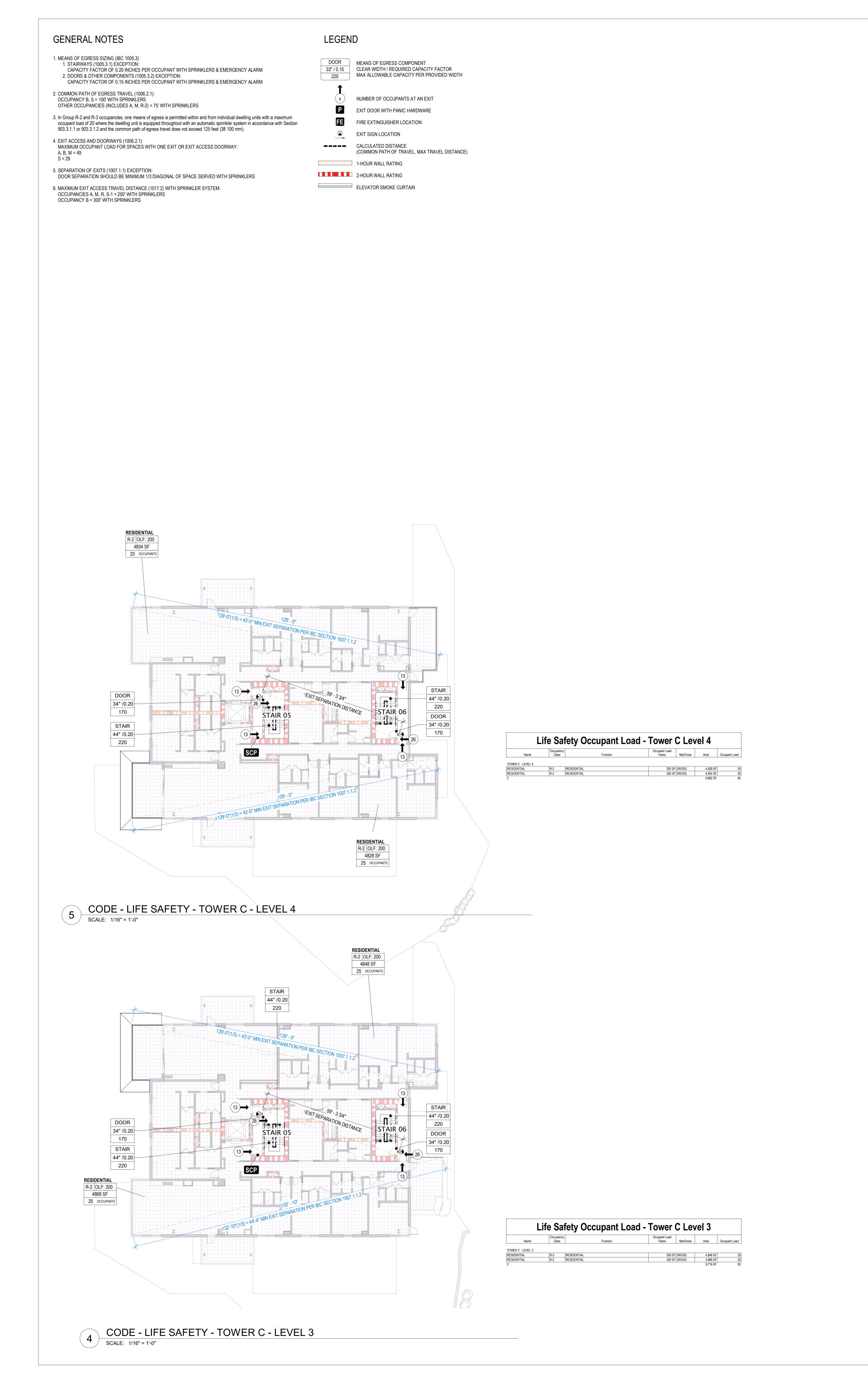
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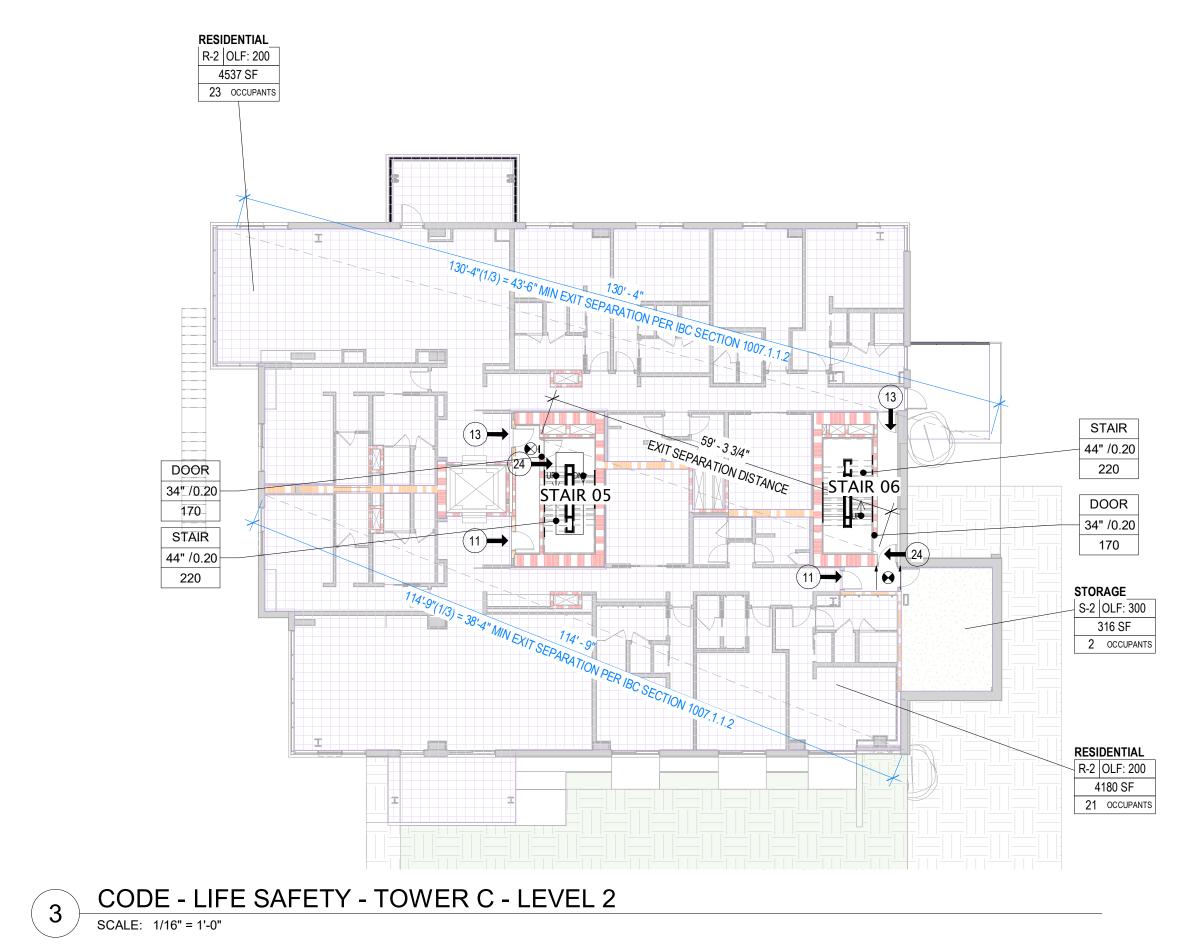
2696 N University Ave, Suite 290

<u>Landscape Architect</u> **EPG Design**6949 South High Tech Drive, Suite 100
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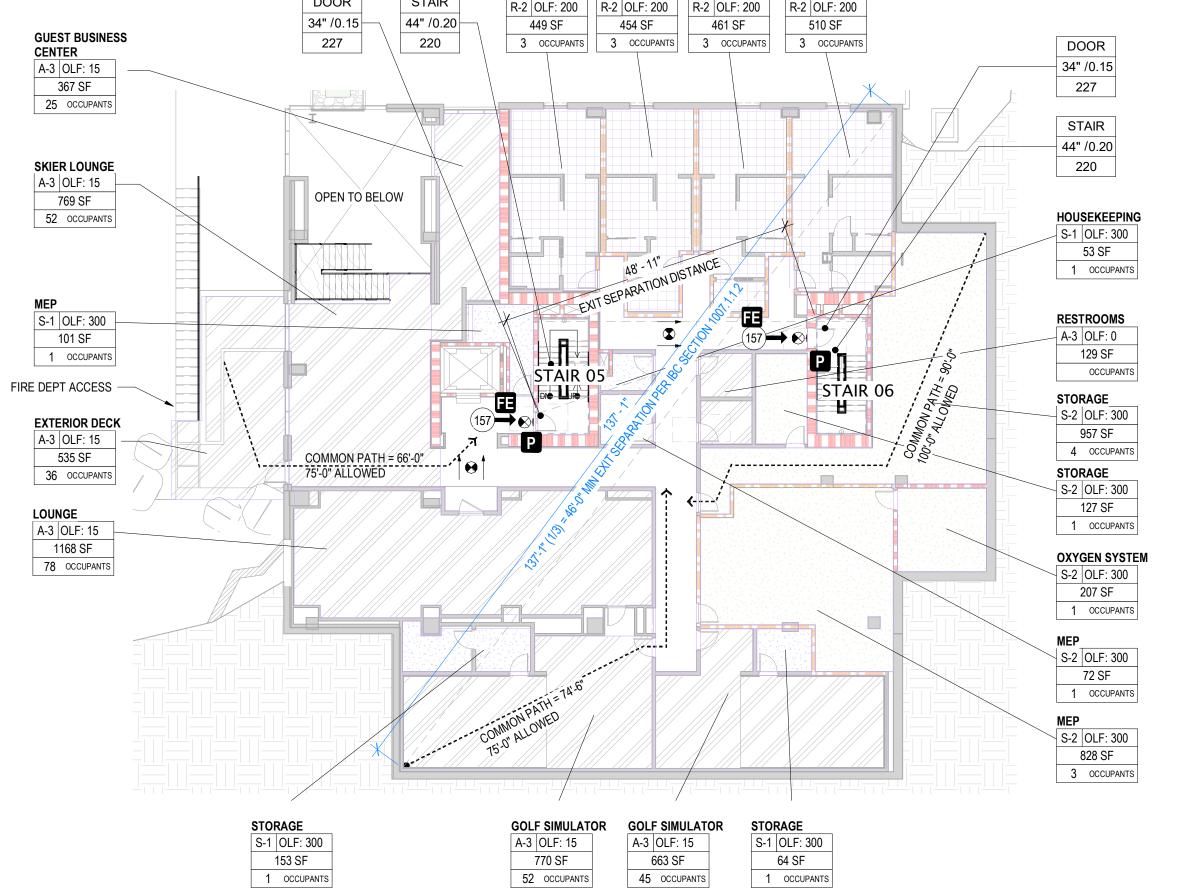
CODE ANALYSIS - LIFE SAFETY - TOWER B

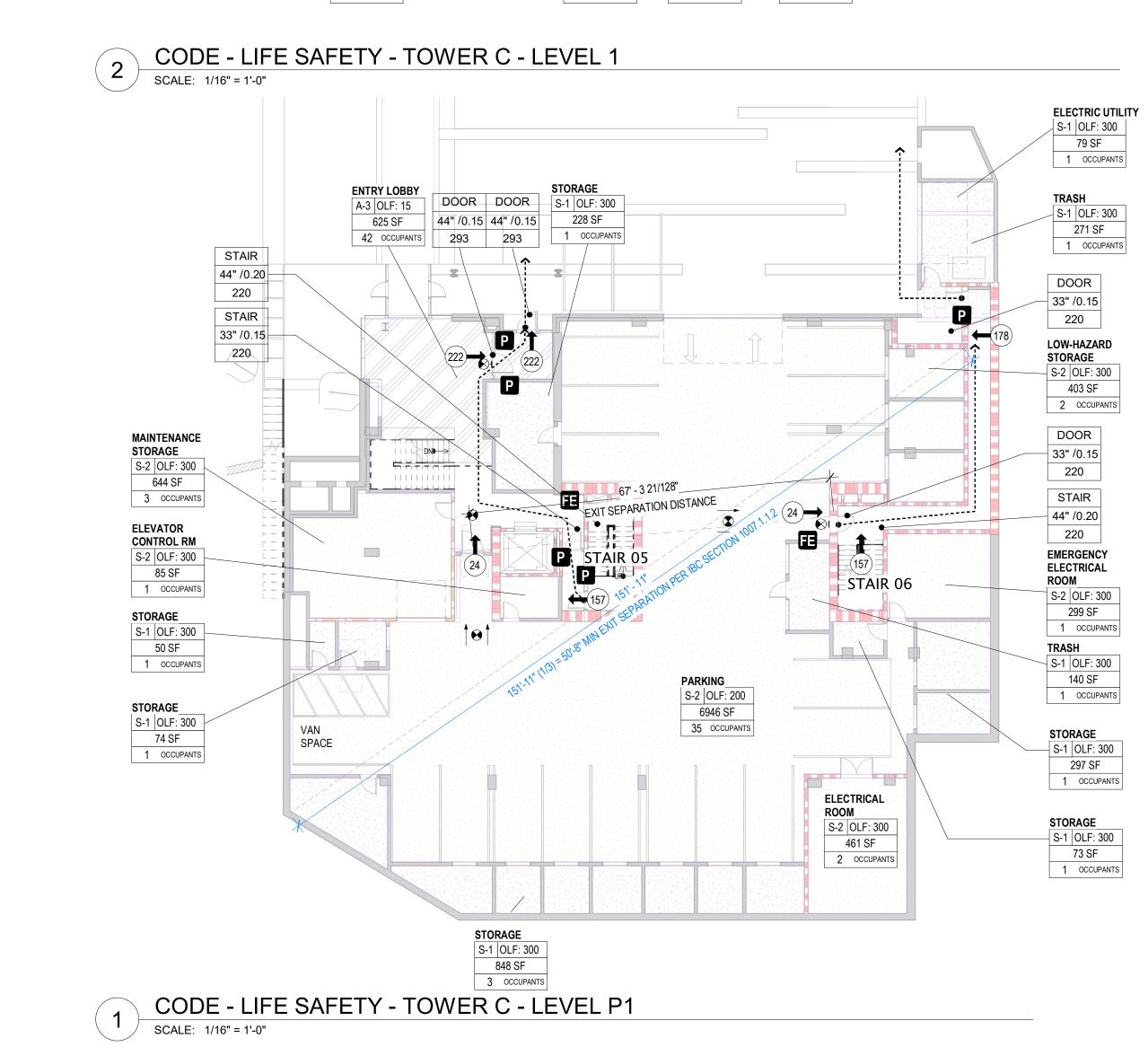
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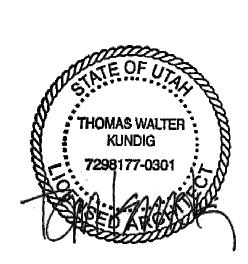
Life Safety Occupant Load - Tower C Level 2									
Name	Occupano Class	y Function	Occupant Load Factor	Net/Gross	Area	Occupant Load			
FOWER C - LEVEL 2 RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	4,180 SF	21			
		REGIDENTIAL			4,537 SF	23			
	R-2	RESIDENTIAL	200 SF	IGROSS I	4.337 351				
RESIDENTIAL STORAGE	R-2 S-2	RESIDENTIAL ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT		GROSS	4,557 SF 316 SF				





Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
OWER C - LEVEL 1						
ESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	449 SF	3
IER LOUNGE	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF		769 SF	52
STROOMS	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	129 SF	
DLF SIMULATOR	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	663 SF	45
P	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	828 SF	;
UNGE	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	1,168 SF	78
DUSEKEEPING	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	53 SF	
TERIOR DECK	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	535 SF	36
P	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	101 SF	
SIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	454 SF	3
SIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	461 SF	3
SIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	510 SF	3
DLF SIMULATOR	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	770 SF	52
ORAGE	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	127 SF	,
ORAGE	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	153 SF	
ORAGE	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	64 SF	
P	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	72 SF	
JEST BUSINESS CENTER	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	367 SF	25
(YGEN SYSTEM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	207 SF	
ORAGE	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	957 SF	4

	Occupancy		Occupant Load			
Name	Class	Function	Factor	Net/Gross	Area	Occupant Load
TOWER C - PARKING						
PARKING	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	6,946 SF	3
ELECTRICAL ROOM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	461 SF	:
STORAGE	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	848 SF	;
STORAGE	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	297 SF	
MAINTENANCE STORAGE	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	644 SF	:
LOW-HAZARD STORAGE	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	403 SF	
ENTRY LOBBY	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	625 SF	4.
TRASH	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	140 SF	
TRASH	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	271 SF	
ELEVATOR CONTROL RM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	85 SF	
EMERGENCY ELECTRICAL ROOM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	299 SF	
STORAGE	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	50 SF	
STORAGE	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	74 SF	
STORAGE	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	228 SF	
STORAGE	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	73 SF	
ELECTRIC UTILITY	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	79 SF	
16		·			11.522 SF	9



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principal architect <u>TK, KM</u> project manager TM, JB, LB, MD

drawn by SK, SS, JR, CP, AL,
NH, EK, BD, EB checked by Checker job no. 20052 date 11/18/2022

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CODE ANALYSIS - LIFE SAFETY - TOWER C

A0.35

S = 29

1. MEANS OF EGRESS SIZING (IBC 1005.3)

1. STAIRWAYS (1005.3.1) EXCEPTION: CAPACITY FACTOR OF 0.20 INCHES PER OCCUPANT WITH SPRINKLERS & EMERGENCY ALARM 2. DOORS & OTHER COMPONENTS (1005.3.2) EXCEPTION: CAPACITY FACTOR OF 0.15 INCHÈS PER ÓCCUPANT WITH SPRINKLERS & EMERGENCY ALARM

2. COMMON PATH OF EGRESS TRAVEL (1006.2.1): OCCUPANCY B, S = 100' WITH SPRINKLERS OTHER OCCUPANCIES (INCLUDES A, M, R-2) = 75' WITH SPRINKLERS

3. In Group R-2 and R-3 occupancies, one means of egress is permitted within and from individual dwelling units with a maximum occupant load of 20 where the dwelling unit is equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2 and the common path of egress travel does not exceed 125 feet (38 100 mm).

4. EXIT ACCESS AND DOORWAYS (1006.2.1) MAXIMUM OCCUPANT LOAD FOR SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY:

5. SEPARATION OF EXITS (1007.1.1) EXCEPTION: DOOR SEPARATION SHOULD BE MINIMUM 1/3 DIAGONAL OF SPACE SERVED WITH SPRINKLERS 6. MAXIMUM EXIT ACCESS TRAVEL DISTANCE (1017.2) WITH SPRINKLER SYSTEM: OCCUPANCIES A, M, R, S-1 = 250' WITH SPRINKLERS OCCUPANCY B = 300' WITH SPRINKLERS

LEGEND

MEANS OF EGRESS COMPONENT CLEAR WIDTH / REQUIRED CAPACITY FACTOR MAX ALLOWABLE CAPACITY PER PROVIDED WIDTH

NUMBER OF OCCUPANTS AT AN EXIT EXIT DOOR WITH PANIC HARDWARE FIRE EXTINGUISHER LOCATION

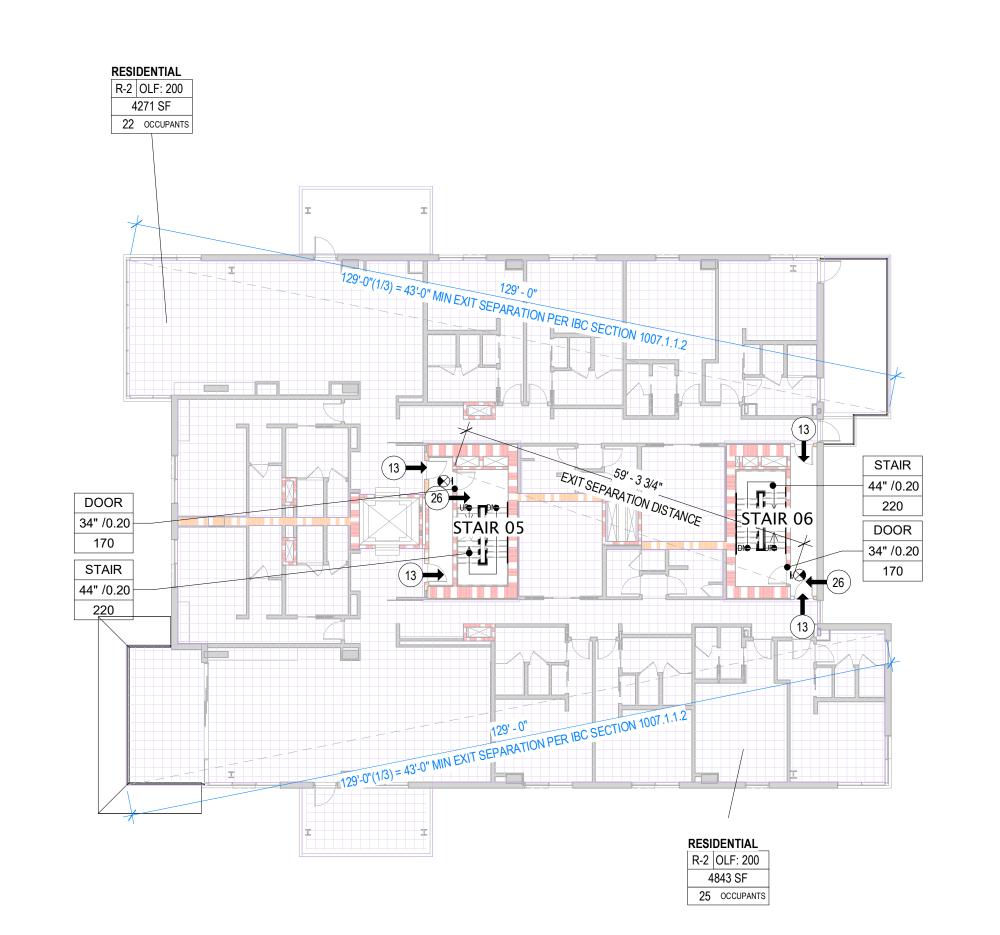
EXIT SIGN LOCATION CALCULATED DISTANCE (COMMON PATH OF TRAVEL, MAX TRAVEL DISTANCE)

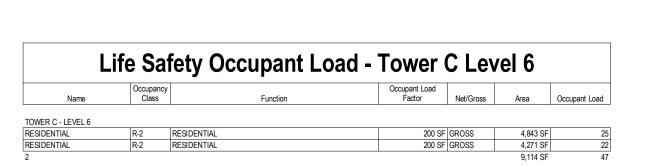
1-HOUR WALL RATING 2-HOUR WALL RATING ELEVATOR SMOKE CURTAIN

RESIDENTIAL
R-2 OLF: 200
4826 SF 170 STAIR 44" /0.20 RESIDENTIAL R-2 OLF: 200 4834 SF 25 OCCUPANTS

L	ife Sa	fety Occupant Loa	ad - Tower (C Lev	el 7	
Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant L
TOWER C - LEVEL 7						
TOWER C - LEVEL 7 RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	4,826 SF	

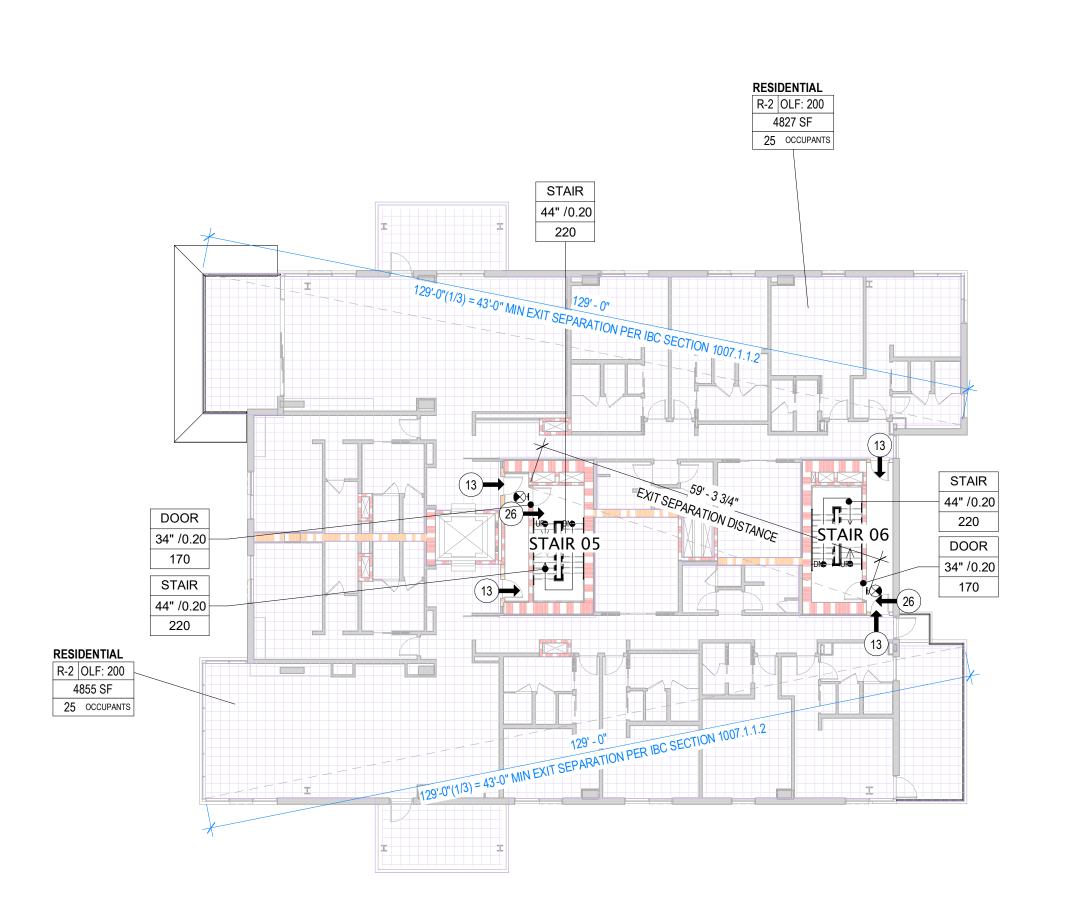
CODE - LIFE SAFETY - TOWER C - LEVEL 7 SCALE: 1/16" = 1'-0"

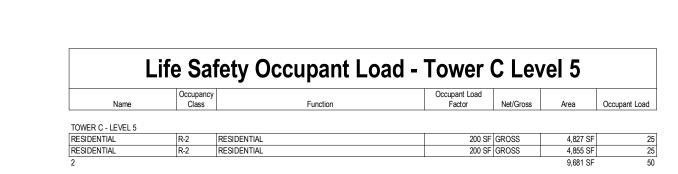




2 CODE - LIFE SAFETY - TOWER C - LEVEL 6

SCALE: 1/16" = 1'-0"





| RESIDENTIAL | R-2 | OLF: 200 | 8346 SF | 42 | OCCUPANTS |

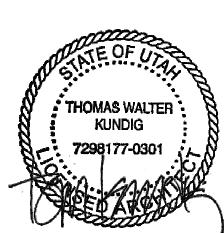
4 CODE - LIFE SAFETY - TOWER C - LEVEL 8

SCALE: 1/16" = 1'-0"

Life Safety Occupant Load - Tower C Level 8										
Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load				
TOWER C - LEVEL 8 RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	8.346 SF					
MECHANICAL	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	660 SF					
MEP	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	74 SF					
					9.080 SF					

CODE - LIFE SAFETY - TOWER C - LEVEL 5

SCALE: 1/16" = 1'-0"



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principal architect TK, KM project manager TM, JB, LB, MD drawn by SK, SS, JR, CP, AL, NH, EK, BD, EB checked by Checker job no. 20052 1 09/30/22 BUILDING PERMIT RESUBMITTAL #1 no. date

> ISSUED FOR CONSTRUCTION 11/18/2022

CODE ANALYSIS - LIFE SAFETY - TOWER C A0.36