LIFE SAFETY PLAN: GENERAL NOTES

1: OCCUPANT LOAD PER 2018 NFPA 101 LSC AND 2018 IBC TABLE 1004.1.2.

2: EGRESS WIDTH PER NFPA 101:
- STAIR FACTOR 0.3" PER OCCUPANT
- OTHER 0.2" PER OCCUPANT

3: EXIT ACCESS TRAVEL DISTANCE = 250' FOR R-1 WITH NFPA 13 SPRINKLERS PER 2018 IBC TABLE 1017.2.

4: MAXIMUM TRAVEL DISTANCE TO FIRE EXTINGUISHER CABINETS FROM ANY POINT IN THE BUILDING IS 75'-0" PER 906.3.2018 IFC.

5: INSTALL FIRE EXTINGUISHERS PER CITY REQUIREMENTS WITHIN 75' TRAVEL DISTANCE SPACING.

6: FIRE EXTINGUISHER TO BE SURFACE MOUNTED ON CONCRETE/CMU WALLS AND IN SERVICE AREAS. RECESS MOUNTED IN MTL/WOOD STUD WALLS. PROVIDE IN ACCORDANCE WITH PLANS & LOCAL FIRE MARSHALL DIRECTION. CONTRACTOR TO COORDINATE ROUGH OPENING FOR SEMI-RECESSED AND FULLY RECESSED FIRE EXTINGUISHER CABINETS. REFER TO PLANS FOR ARCHITECT'S DESIRED LOCATIONS.

7: NEW CORRIDOR EXTINGUISHERS TO BE MARKED FEC-1. SEMI-RECESSED FIRE EXTINGUISHER CABINET BY COSMOPOLITAN, 1036 TRIM 1 1/2" INCH SQ. VERTICAL DUO WITH SAF-T-LOK, CLEAR ACRYLIC GLASS, COSMIC 10E FIRE EXTINGUISHER. EXISTING EXTINGUISHERS TO BE VERIFIED FOR CODE COMPLIANCE AND BEST BY DATE BY GC.

8: PORTABLE FIRE EXTINGUISHERS (PER SECTION 906) TO BE MOUNTED SO THE OPERATION LATCH IS BELOW 48" A.F.F. THE RATED SEMI-RECESSED CABINET CAN NOT PROTRUDE MORE THAN 4". TOP OF CABINET SHALL BE AT 50" AFF, MAX. REF 1/G-030 FOR ADDITIONAL INFORMATION.

9: PRECAST/CONCRETE STRUCTURAL ELEMENTS SHALL PROVIDE THEN MIN. FIRE RESISTANCE PER 2018 IBC TABLE 721.1(2).

10: DEAD-END CORRIDORS NOT TO EXCEED 50' FOR ARRANGEMENT OF MEANS OF EGRESS 34.2.5.2 WITH NFPA 13 SPRINKLERS.

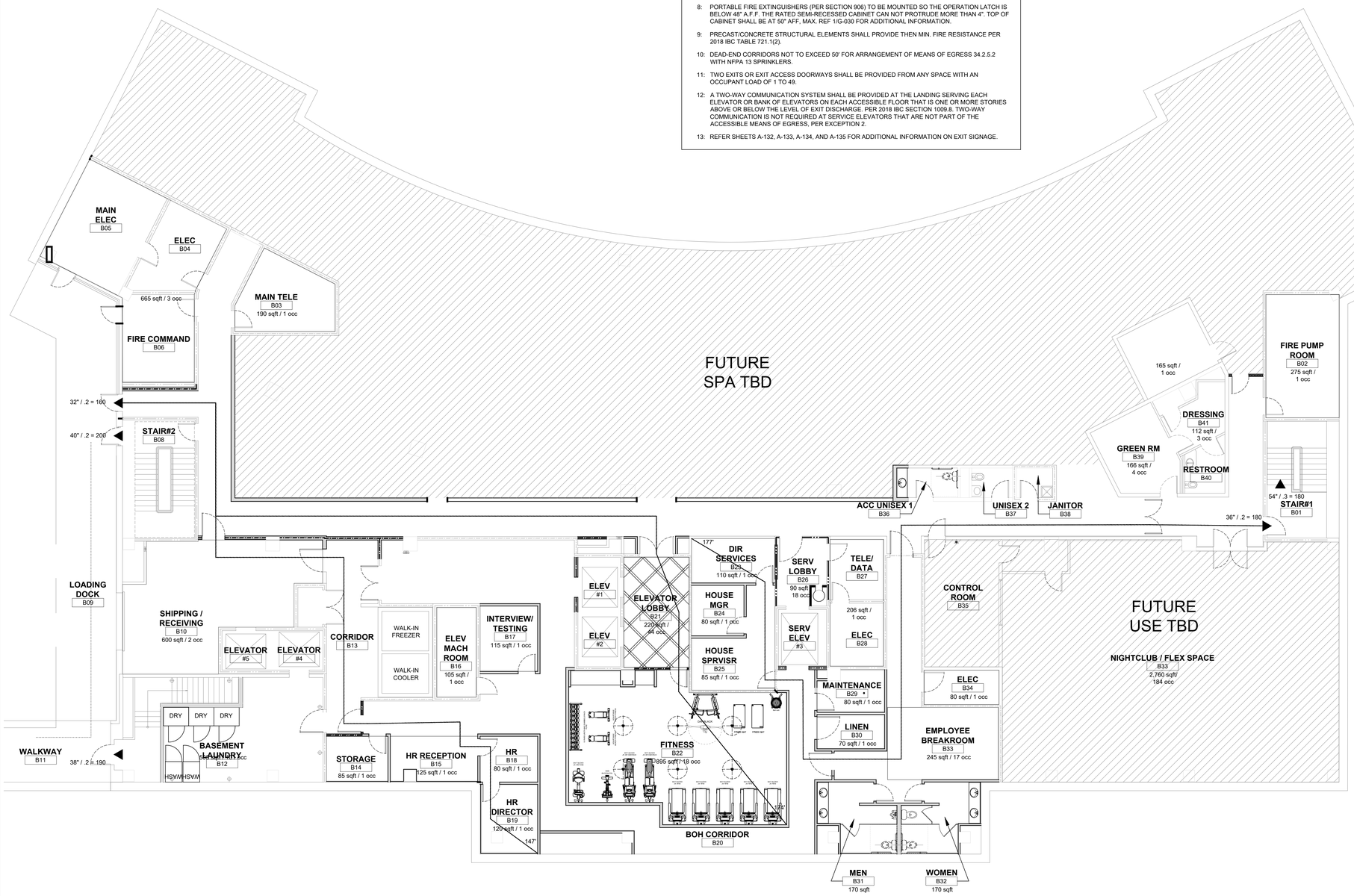
11: TWO EXITS OR EXIT ACCESS DOORWAYS SHALL BE PROVIDED FROM ANY SPACE WITH AN OCCUPANT LOAD OF 1 TO 49.

12: A TWO-WAY COMMUNICATION SYSTEM SHALL BE PROVIDED AT THE LANDING SERVING EACH ELEVATOR OR BANK OF ELEVATORS ON EACH ACCESSIBLE FLOOR THAT IS ONE OR MORE STORIES ABOVE OR BELOW THE LEVEL OF EXIT DISCHARGE. PER 2018 IBC SECTION 1009.8. TWO-WAY COMMUNICATION IS NOT REQUIRED AT SERVICE ELEVATORS THAT ARE NOT PART OF THE ACCESSIBLE MEANS OF EGRESS, PER EXCEPTION 2.

13: REFER SHEETS A-132, A-133, A-134, AND A-135 FOR ADDITIONAL INFORMATION ON EXIT SIGNAGE.

LIFE SAFETY PLAN SYMBOLS

- E — TACTILE EXIT SIGNAGE, REFER SHEET A-XXX
- P — PANIC DEVICE, REFER DOOR SCHEDULE
- NON-RATED PARTITION
- 1/2-HR RATED PARTITION
- 1-HR RATED PARTITION
- 2-HR RATED PARTITION
- EXTERIOR / STAIR EXIT OPENING
- W" / ECF = C — CAPACITY OF EGRESS COMPONENT; EGRESS CAPACITY FACTOR; WIDTH OF EGRESS COMPONENT
- XXX' — PATH OF TRAVEL / DISTANCE
- FE — FIRE EXTINGUISHER (BRACKET MTD)
- FEC — FIRE EXTINGUISHER / CABINET
- FE K — FIRE EXTINGUISHER (BRACKET MTD) "K" TYPE AT KITCHEN
- FINAL PLAN PENDING



1 LIFE SAFETY PLAN - BASEMENT
SCALE: 1/8" = 1'-0"

LIFE SAFETY PLAN: ANALYSIS

BASEMENT

OCCUPANT LOAD

FLOOR ANALYSIS

OCCUPANCY	AREA	LOAD FACTOR	OCCUPANTS
A: LOBBIES	820	5	164
B: FITNESS	895	50	18
B: OFFICE	915	150	7
B: BREAKROOM	245	15	17
S: STORAGE/MECH	1,525	300	6
M: SHIPPING AREA	600	300	2
SPA - PHASE 2			
- SPA AREAS	TBD	50 GROSS	
- OFFICE	TBD	150	
- STORAGE/MECH	TBD	300	
FUTURE AREA TBD	2,760		
			214

EXIT ACCESS TRAVEL DISTANCE
MAX EXIT TRAVEL DISTANCE PER 2018 IBC TABLE 1017.2: 250'-0"
MAX EXIT TRAVEL DISTANCE PROVIDED: 175'-0"

EXITS
EXITS REQUIRED PER 2018 IBC TABLE 1006.3.3: 3
EXITS PROVIDED: 3

EXIT DOOR WIDTH
DOOR WIDTH REQUIRED PER NFPA 101: 32" CLEAR OPENING WIDTH
DOOR WIDTH PROVIDED: 36" CLEAR OPENING WIDTH (39" DOOR) AT STAIRWAYS
MIN 32" CLEAR OPENING WIDTH AT EXIT DOORS

EGRESS WIDTH - DOORS
EGRESS WIDTH REQUIRED PER NFPA 101:
0.2" PER OCCUPANT x 539 OCCUPANTS = 108"
EGRESS WIDTH PROVIDED:
(1) 39" DOOR = 36" CLEARANCE PER DOOR = 36" = 180 OCCUPANTS
(1) 42" DOOR = 38" CLEARANCE PER DOOR = 38" = 190 OCCUPANTS
(1) 36" DOOR = 32" CLEARANCE PER DOOR = 32" = 160 OCCUPANTS
106" / .2 = 530 OCCUPANTS
3 EXITS PROVIDE DISCHARGE AT GROUND LEVEL

EGRESS WIDTH - STAIRS
EGRESS WIDTH REQUIRED PER NFPA 101: 44" MIN WIDTH
0.3" PER OCCUPANT x 539 OCCUPANTS = 162"
EGRESS WIDTH PROVIDED: 54" / .3 = 180 OCCUPANTS

DEAD END CORRIDORS
NO CORRIDORS CONTAIN DEAD ENDS GREATER THAN 50-FEET IN LENGTH PER NFPA 101, 2018 IBC 1020.5, EXCEPTION 2.

EXITS
2018 IBC 1022.2.2: EXITS DOORS SHALL LEAD DIRECTLY TO THE EXIT DISCHARGE OR THE PUBLIC WAY.
- STAIR 1 DISCHARGES TO THE EXTERIOR OF THE BUILDING AT FIRST FLOOR.
- STAIR 2 DISCHARGES TO THE EXTERIOR OF THE BUILDING AT BASEMENT.

LIFE SAFETY PLAN: STAIRWELL SIGNAGE

STAIRWELL IDENTIFICATION SIGNAGE SHALL COMPLY WITH THE 2018 EDITION OF NFPA 101, ARTICLES 7.2.2.5.4.1 (A) THROUGH 7.2.2.5.4.1 (M). SIGN SHALL BE MOUNTED AT 60" ABOVE FINISHED FLOOR, TO CENTERLINE OF SIGN.

NORTH STAIR FLOOR		SOUTH STAIR FLOOR
X	"X" DENOTES APPLICABLE STAIR LEVEL	X
BASEMENT TO FLOOR 5 NO ROOF ACCESS DOWN TO FLOOR 1 FOR EXIT DISCHARGE		BASEMENT TO FLOOR 5 NO ROOF ACCESS DOWN TO BASEMENT FOR EXIT DISCHARGE
STAIRWELL #1		STAIRWELL #2

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LIFE SAFETY PLAN - BASEMENT

SHEET NUMBER:
G-031