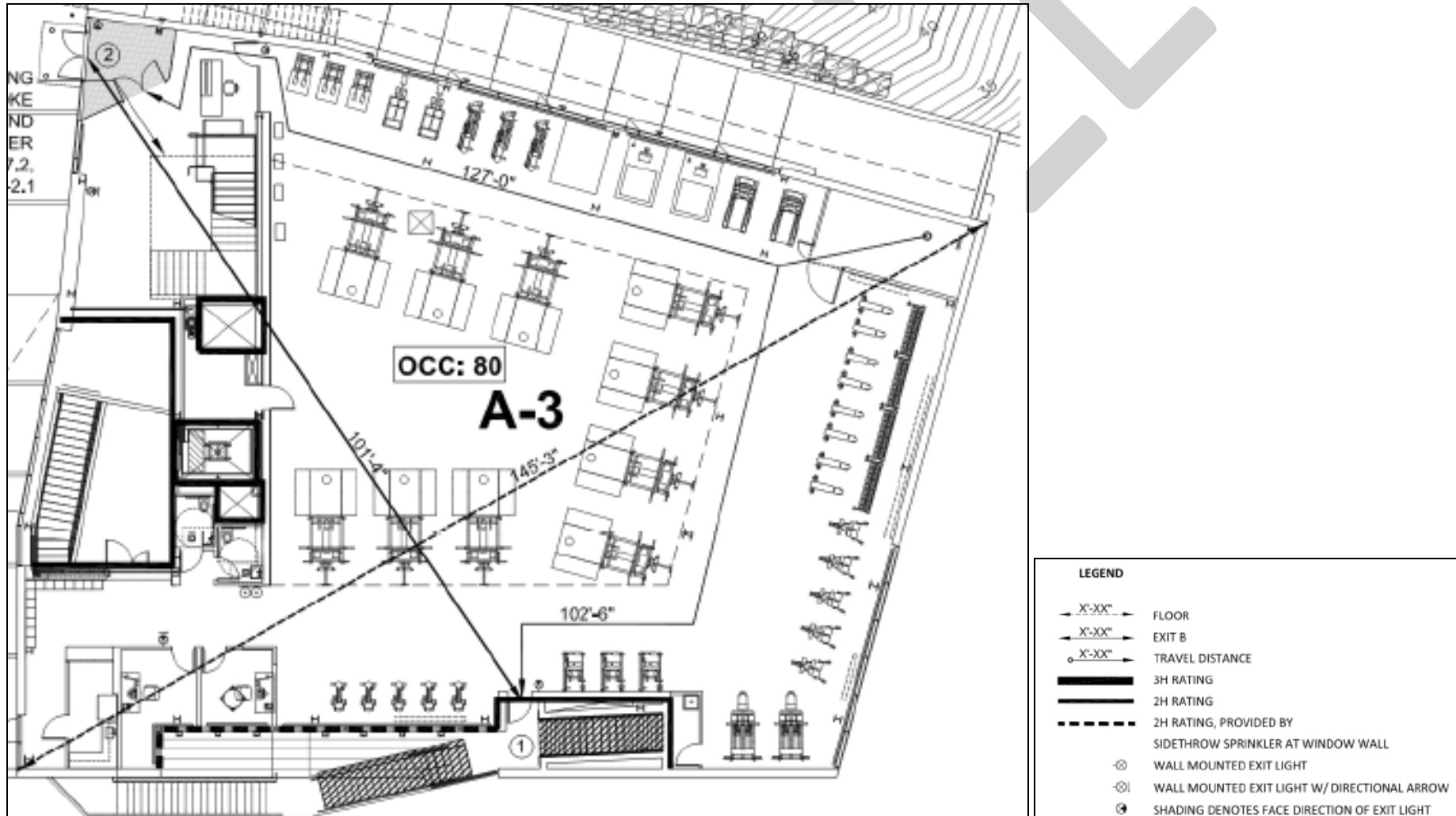


Egress and Fire Ratings



Code Considerations - Occupancy Calculations and the “18 Exceptions”

Project Approach for the 18 Exceptions (not required for 2014 code buildings)

	Issue	Design Approach
1	Fuel, gas, plumbing and mechanical work	Increase capacity to meet 2014 fresh air requirement
2	Fire protection systems	Building is fully sprinklered.
3	Elevators, conveyors	Existing elevator does not meet 2014 size requirements, but will not be touched. It is currently accessible and has audible signals.
4	Safety during construction operations	Floor will be vacant at the time of construction
5	Accessibility	Modify one restroom for each gender
6	Encroachments into the public right of way	N/A
7	Administration and enforcement	N/A
8	Special inspections	Lighting commissioning is in scope
9	Materials	N/A
10	Security grilles	N/A
11	Energy efficiency	Energy calculation is in scope
12	Roof coverings and replacements	N/A
13	Handrails	N/A
14	Guards	N/A
15	Areas of special flood hazard	N/A
16	Structural	N/A
17	Emergency and standby power	N/A
18	Parking garages and open parking lots (LL 130 / 3013)	N/A

TABLE 6-2 OCCUPANT LOAD REQUIREMENTS NET AREA TABLE:

OCCUPANCY	NET F.A. PER/OCC.
CLASSROOM	20
OFFICES	100

OCCUPANT LOAD CALCULATIONS						
RM. #	ROOM NAME	FLR. AREA	OCC. GROUP	SF/OCC.	CALC. LOAD	ACTL. LOAD
301	LAB 1	705	G	20	35	36
302	STORAGE	33	G	-	-	-
303	STAFF TOILET	-	-	-	-	-
304	BOY'S ROOM	-	-	-	-	-
305	JAN. CLOS.	-	-	-	-	-
306	GIRL'S ROOM	-	-	-	-	-
307	ELEV. LOBBY	-	-	-	-	-
308	MECH. RM.	-	D-2	-	-	-
309	CORRIDOR	-	-	-	-	-
310	CLASSROOM 1	535	G	20	27	27
311	CLASSROOM 2	510	G	20	26	26
312	CLASSROOM 3	459	G	20	23	26
313	CLASSROOM 4	580	G	20	29	29
314	CORRIDOR	-	-	-	-	-
315	CORRIDOR	-	-	-	-	-
316	OFFICE A	199	E	100	2	3
317	MEETING RM.	95	E	NS	0	0
318	WAITING ROOM	57	E	100	1	2
319	DIV. DIRECTOR	159	E	100	2	3
320	OFFICE B	206	E	100	3	3
321	CORRIDOR	-	-	-	-	-
322	MEETING AREA A	65	NS	-	-	-
323	MEETING AREA B	65	NS	-	-	-
325	CLASSROOM 5	465	G	20	25	25
326	CLASSROOM 6	405	G	20	21	21
327	CLASSROOM 7	403	G	20	21	21
328	CLASSROOM 8	404	G	20	21	21
329	CLASSROOM 9	404	G	20	21	21
330	CORRIDOR	-	-	-	-	-
331	CORRIDOR	-	-	-	-	-
332	ENV. LAB	883	G	20	45	45
333	CORRIDOR	-	-	-	-	-
TOTAL					303	309