

PROJECT LOCATION:

MSMC - GUZMAN HALL
NEWBURGH, NY

RELEVANT CODE:

2020 EXISTING BUILDING CODE OF NYS
2020 BUILDING CODE OF NYS
2020 FIRE CODE OF NYS
2020 PLUMBING CODE OF NYS
2020 MECHANICAL CODE OF NYS
2020 ENERGY CONSERVATION CODE OF NYS
ANSI A117.1 - 2009

GENERAL BUILDING INFORMATION:

BUILDING SIZE: 3 STORY BUILDING: +/- 51,945 SF
TOTAL AREA OF RENOVATION: +/- 14,535 SF
RATIO RENOVATION TO BUILDING: 28% OF RENOVATED AREA

RENOVATION: TYPE II RENOVATION
(LESS THAN 50% OF FLOOR AREA)

CONSTRUCTION : TYPE IIB (CONCRETE COLUMNS, BEAMS AND SLABS; BRICK EXTERIOR)

LIFE SAFETY: EXISTING BUILDING IS PROTECTED BY SPRINKLER SYSTEM AND FIRE ALARM.

OCCUPANCY: HEALTH & WELLNESS CENTER - BUSINESS (B)
MULTI-PURPOSE - ASSEMBLY (A-3)
EXISTING DORMITORY (R-2)

SEPARATION: 1 HR SEPARATION BETWEEN R AND A USES.

2020 BUILDING CODE OF NYS

- 302.1 - BUILDING CLASSIFICATION A3 (MULTI-PURPOSE), B (HEALTH & WELLNESS CENTER)
- ALLOWABLE BUILDING HEIGHT (TABLE 504.3)
USE A-3 (MOST RESTRICTIVE), TYPE IIB = 75 FEET, SPRINKLERED - COMPLIES
- ALLOWABLE NUMBER OF STORIES (TABLE 504.4)
USE A-3 (MOST RESTRICTIVE), TYPE IIB = 3 STORIES, SPRINKLERED - COMPLIES: BUILDING IS 3 STORIES
- ALLOWABLE AREA (TABLE 506.2)
USE A-3 (MOST RESTRICTIVE), TYPE IIB = 28,500 SF ALLOWED, SPRINKLERED
14,643 SF (EXISTING) + 970 SF (ADDITION) = 15,613 SF
15,613 SF IS LESS THAN 28,500 SF - COMPLIES
- TABLE 601 - CONSTRUCTION TYPE IIB, 0 RATINGS ALL COMPONENTS
- 803.1 - INTERIOR FINISH
CLASS A - FLAME SPREAD 0-25, SMOKE DEVELOPED 0-450
CLASS B - FLAME SPREAD 26-75, SMOKE DEVELOPED 0-450
CLASS C - FLAME SPREAD 76-200, SMOKE DEVELOPED 0-450
- TABLE 803.13 INTERIOR FINISH - SPRINKLERED
B USE GROUP PROVIDE:
CLASS B: EXIT PASSAGEWAYS
CLASS C: CORRIDORS
CLASS C: ROOMS AND ENCLOSED SPACES
- A-3 USE GROUP PROVIDE:
CLASS B: EXIT PASSAGEWAYS
CLASS B: CORRIDORS
CLASS C: ROOMS AND ENCLOSED SPACES
- TABLE 1017.2 - EXIT TRAVEL DISTANCE - 250'
- TABLE 1020.1 CORRIDOR FIRE RESISTANCE RATING
- 0 HOURS

IBC CODE EGRESS WIDTH ANALYSIS (1005.1):

GROUND LEVEL
REQUIRED EGRESS WIDTH:
OCC LOAD 84 x 2" = 16.8"

DOOR NUMBER:	EGRESS WIDTH:
EXIT G.1	68"
EXIT G.2	34"
EXIT G.3	34"
EXIT G.4	68"
EXIT G.6	34"
EXIT G.7	34"

TOTALS PROVIDED: 272" *

* NOTE: TOTAL PROVIDED EXCEEDS MINIMUM REQUIREMENTS

FIRST LEVEL
REQUIRED EGRESS WIDTH:
OCC LOAD 263 x 2" = 52.6"

DOOR NUMBER:	EGRESS WIDTH:
EXIT I.6	34"
EXIT I.7	34"
EXIT I.8	68"
EXIT I.9	34"

TOTALS PROVIDED: 170" *

* NOTE: TOTAL PROVIDED EXCEEDS MINIMUM REQUIREMENTS

(TABLE 1004.5) OCCUPANT LOAD CHART: GROUND LEVEL

AREA TYPE	AREA PER OCCUPANT	SQUARE FEET	OCCUPANTS
ASSEMBLY SPACES:	(15 NET OR 7 NET)	315 SQFT	21 OCCUPANTS
BUSINESS:	(150 GROSS)	1,194 SQFT	14 OCCUPANTS
STORAGE/MECHANICAL:	(300 GROSS)	2,919 SQFT	10 (9.73) OCCUPANTS
CLASSROOM:	(20 NET)	760 SQFT	27 OCCUPANTS
OUTPATIENT:	(100 GROSS)	839 SQFT	12 OCCUPANTS
FLOOR TOTALS		5,961 SQFT	84 OCCUPANTS

(TABLE 1004.5) OCCUPANT LOAD CHART: FIRST LEVEL

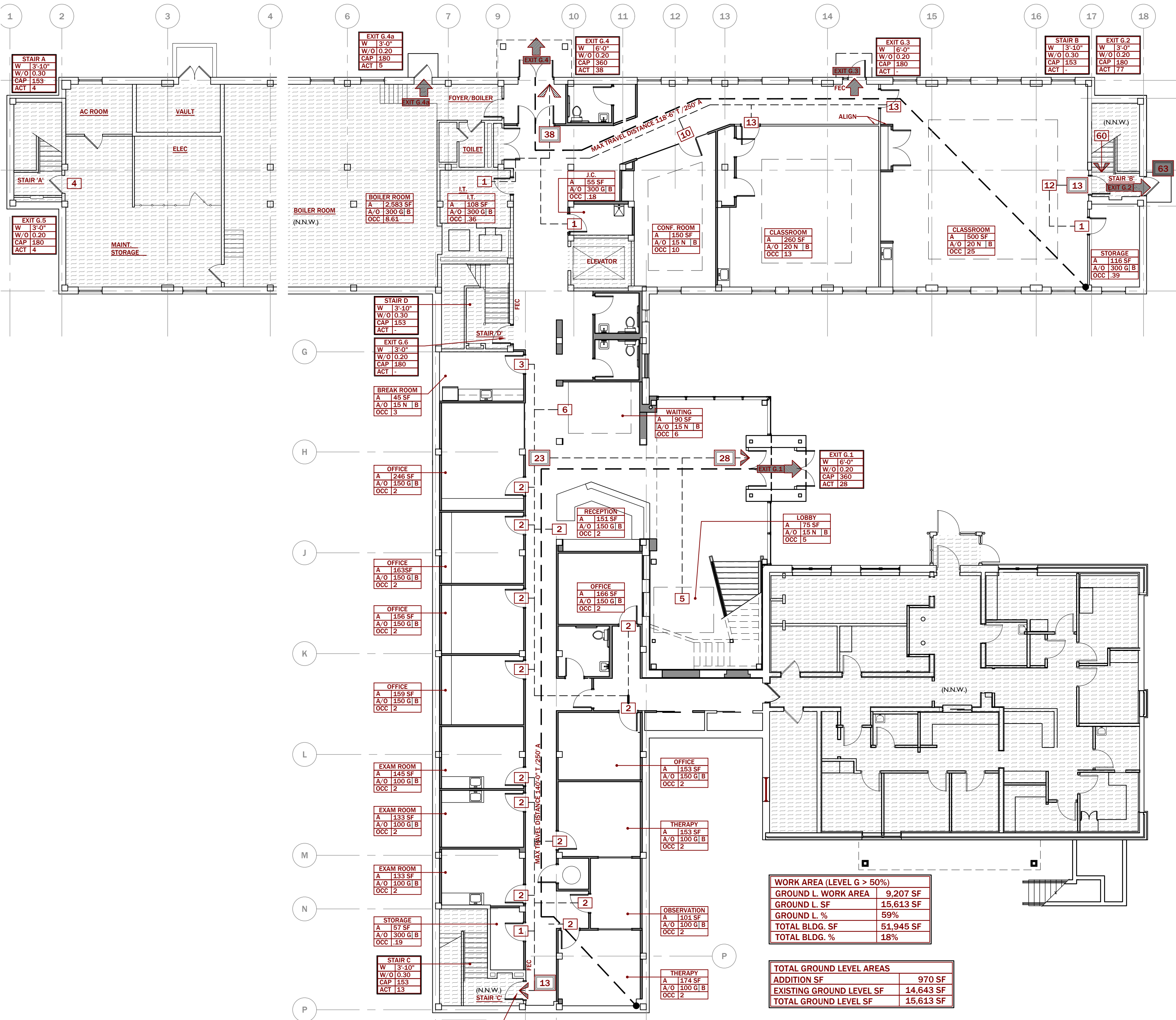
AREA TYPE	AREA PER OCCUPANT	SQUARE FEET	OCCUPANTS
ASSEMBLY SPACES:	(15 NET OR 7 NET)	1,912 SQFT	245 OCCUPANTS
STAGE:	(15 NET)	120 SQFT	8 OCCUPANTS
BUSINESS:	(150 GROSS)	682 SQFT	6 OCCUPANTS
STORAGE/MECHANICAL:	(300 GROSS)	359 SQFT	2 OCCUPANTS
KITCHEN:	(200 GROSS)	231 SQFT	2 OCCUPANTS
FLOOR TOTALS		4,014 SQFT	263 OCCUPANTS
TOTALS			347 OCCUPANTS

(TABLE 2902.1) PLUMBING FIXTURES

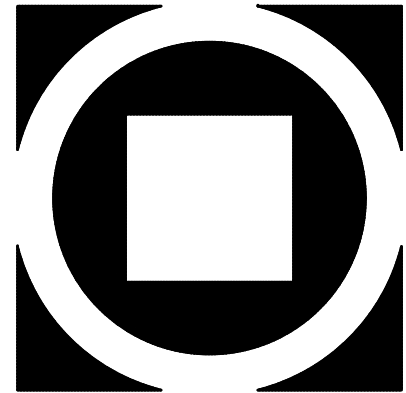
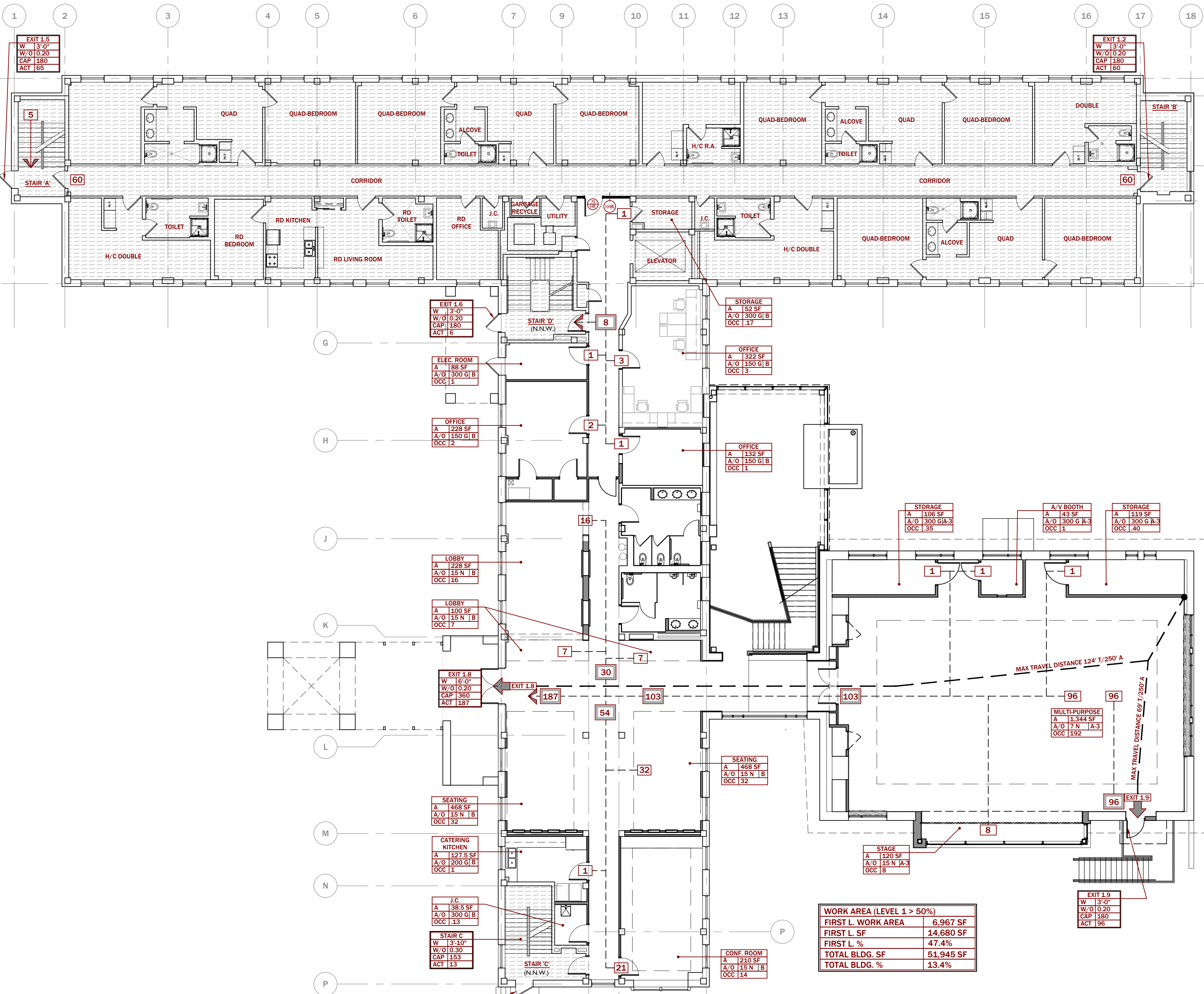
TYPE:	FIXTURES REQUIRED	TYPE:	FIXTURES REQUIRED	TOTAL FIXTURES REQUIRED	FIXTURES PROVIDED
OCCUPANCY (B)		OCCUPANCY (A-3) MULTI-PURPOSE			
OCCUPANTS: 145 - [73 M/W]		OCCUPANTS: 202 - [101M/W]			
WATER CLOSETS		WATER CLOSETS			
MEN (1/ 25 for 50 1 PER 50 FOR REMAINING)	2.46	MEN (1/ 125)	.81	4 (3.27)	5*
WOMEN (1/ 25 for 50 1 PER 50 FOR REMAINING)	2.46	WOMEN (1/ 65)	1.55	5 (4.01)	5*
LAVATORIES		LAVATORIES			
MEN (1/ 40 for 80 1 PER 80 FOR REMAINING)	2	MEN (1/ 200)	.51	3 (2.51)	4**
WOMEN (1/ 40 for 80 1 PER 80 FOR REMAINING)	2	WOMEN (1/ 200)	.51	3 (2.51)	5**
DRINKING FOUNTAINS (1/100)	1.45	DRINKING FOUNTAINS (1/500)	.404	2 (1.854)	2
SERVICE SINKS	1	SERVICE SINKS	1	1	2

* = INCLUDES A WATER CLOSET FROM UNI-SEX RESTROOM
** = INCLUDES A LAVATORY FROM UNI-SEX RESTROOM

GROUND LEVEL: CODE PLAN - Scale: 1'-0" = 3/32"



FIRST LEVEL: CODE PLAN - Scale: 1'-0" = 3/32"



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