

# **SCHOOL & DAYCARE - EDUCATION OCCUPANCY 2021 INTERNATIONAL BUILDING CODE (IBC)**

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**HOUSTON  
PUBLIC WORKS**

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HOUSTON PERMITTING CENTER  
PLAN REVIEW SUPPORT SERVICE TEAM**



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 **THURSDAY,  
MARCH 13, 2025**

 **8:00 AM - 12:00 PM**

 **Houston Permitting Center  
1002 Washington Ave.,  
Houston, TX 77002  
Room: Training Room - B2**

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 **0.3 CEUs are provided by  
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# **SCHOOL REQUIREMENTS PER CODE**

Presentation Overview

2021 International Building Code (IBC)

# PRESENTATION OVERVIEW

- Current Houston Codes
- Code Analysis
- Occupant Load Factors
- Exiting Requirements
- Occupancy Classifications
- Life Safety



# COMMERICAL INTERNATIONAL BUILDING CODE | IBC

- 2021 International Building Code (IBC) & Houston Amendments
- 2021 International Existing Building Code (IEBC) & Houston Amendments
- 2021 International Fire Code (IFC) & Houston Amendments
- 2021 Uniform Mechanical Code (UMC) & Houston Amendments
- 2021 Uniform Plumbing Code (UPC) & Houston Amendments
- 2023 National Electrical Code (NEC) & Houston Amendments
- 2021 International Energy Conservation Code (IECC) & Houston Amendments
- 2021 International Swimming Pool and Spa Code (ISPSC) & Houston Amendments

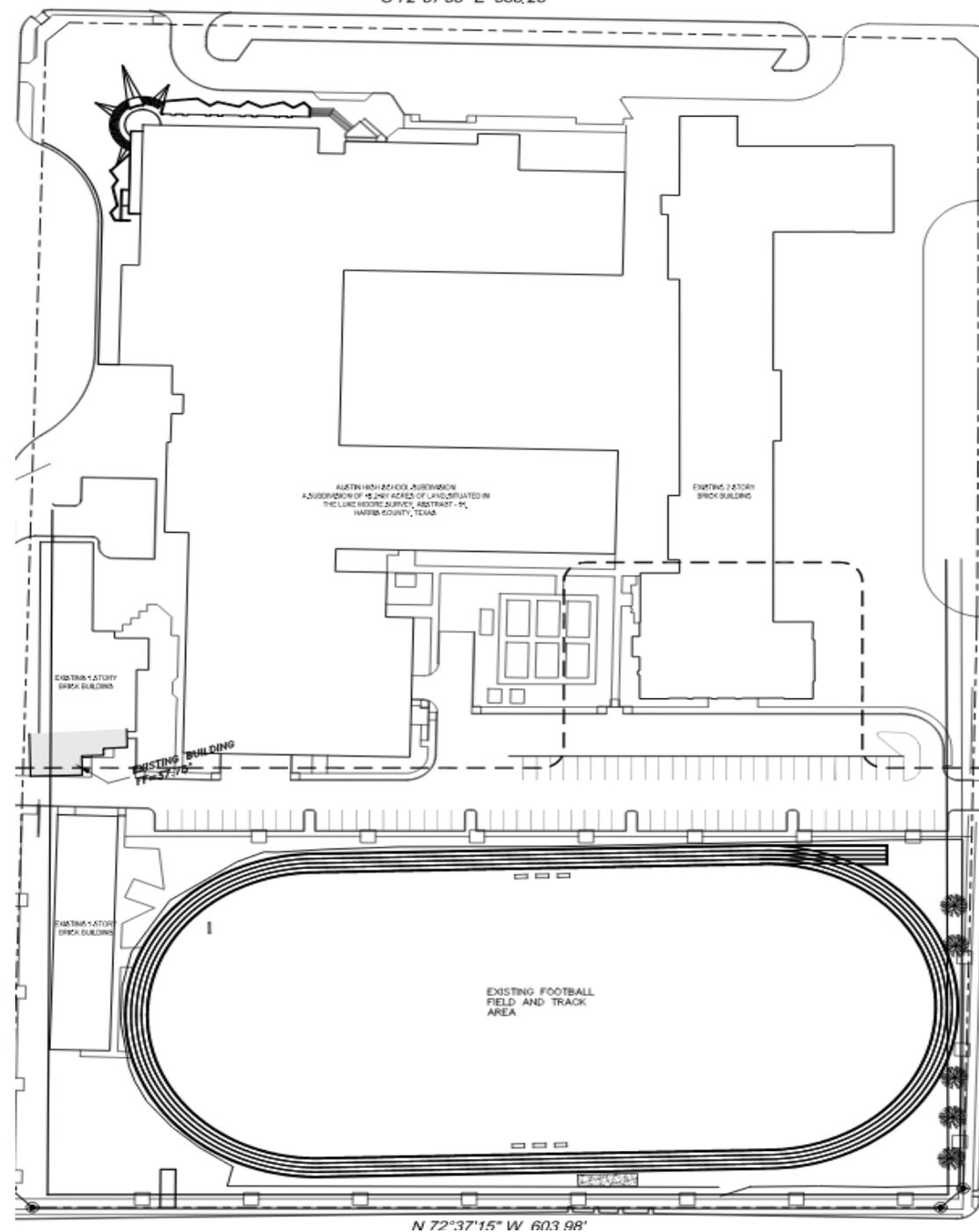
**All effective January 1, 2024**  
**NEC effective September 1, 2023**

# **SCHOOL CODE ANALYSIS**

Education Occupancy  
2021 International Building Code (IBC)

# THE SITE

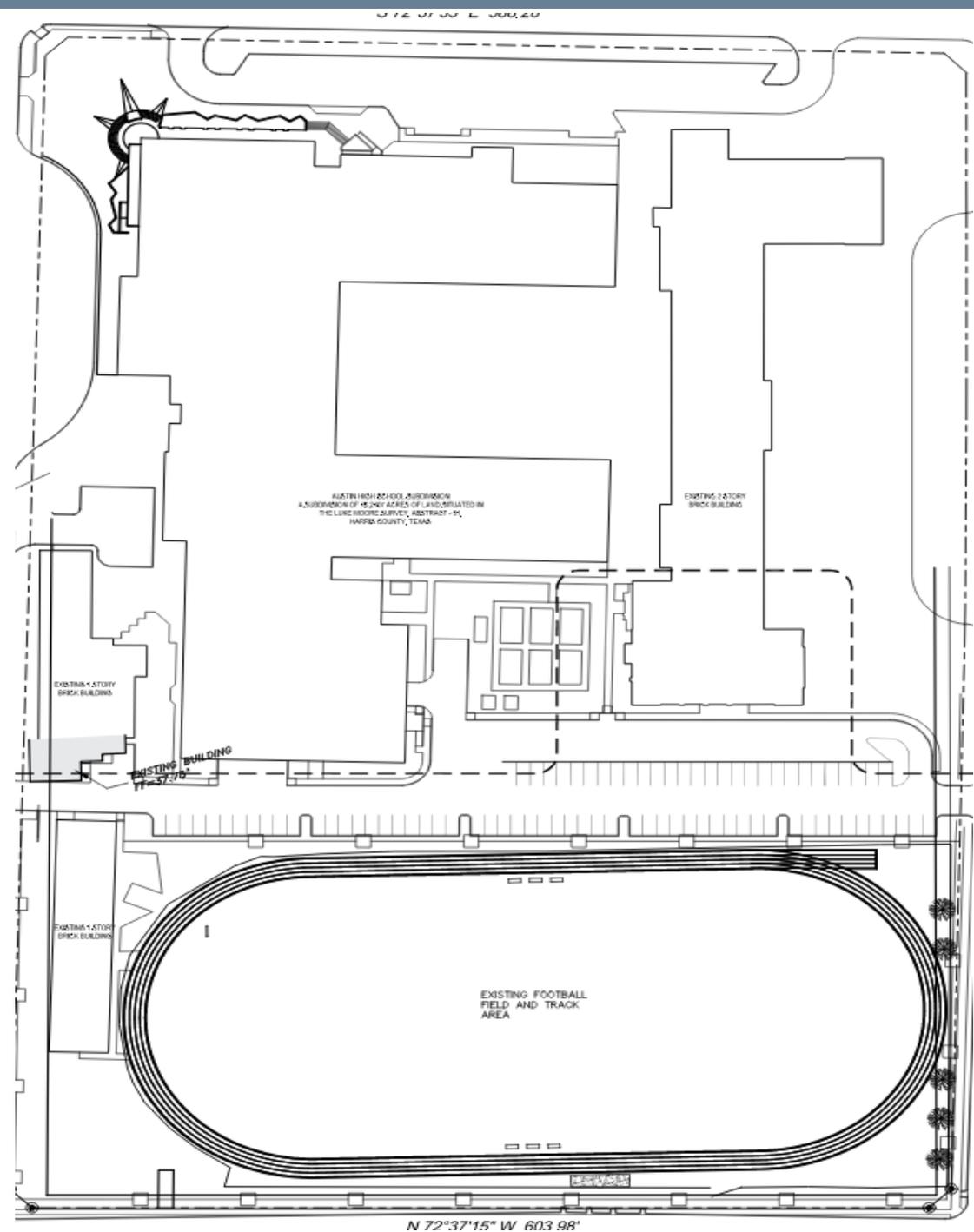
How do you assess the addresses on this site?



# THE SITE

How do you assess the addresses on this site?

Is it a new addition to the building or a new addition to the site?



# EXAMPLE OF A CODE ANALYSIS

OCCUPANCY (SEC. 508) → MIXED, NON-SEPARATED  
PRIMARY OCCUPANCY (SEC. 305) → EDUCATIONAL GROUP "E"  
SECONDARY OCCUPANCY (SEC. 303, 304) → BUSINESS GROUP "B" (ADMIN. AREAS)

NOTE: PER EXCEPTION 508.2.1, THE ABOVE SECONDARY OCCUPANCIES ARE DESIGNATED AS ACCESSORY OCCUPANCIES.

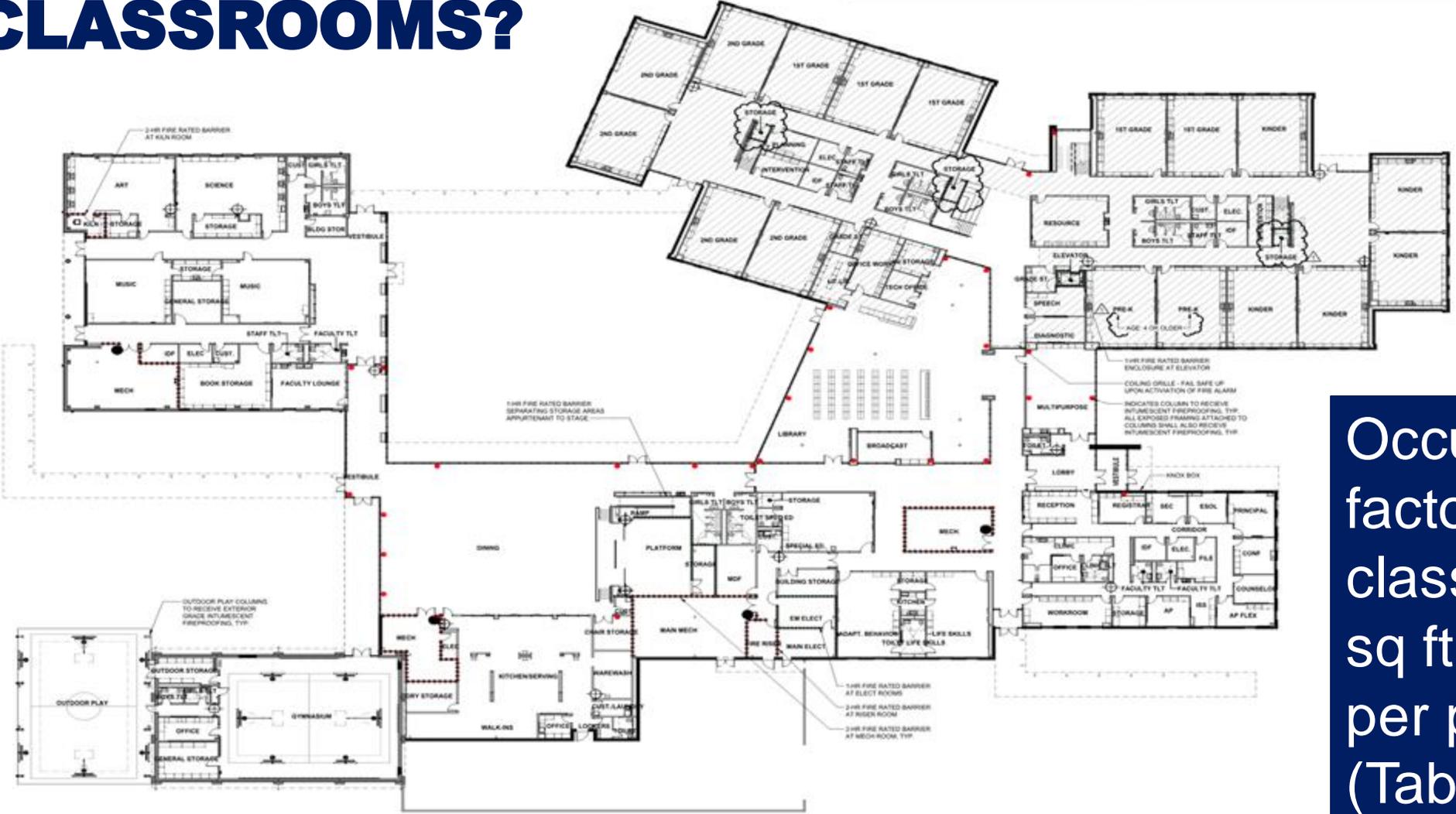
AUTOMATIC SPRINKLER SYSTEM → YES  
TYPE OF CONSTRUCTION (TAB. 601) → TYPE IIA  
BUILDING AREA AND HEIGHT LIMITATIONS (SEC. 504, SEC 506) FOR GROUP "E" OCCUPANCY →  $[79,500 + (26,500 \times 0.75)] = 99,375$  SF PER FLOOR, 4 STORIES  
OPEN PERIMETER INCREASE  
FIRE ALARM SYSTEM → FIRE ALARM SYSTEM SHALL INCLUDE A EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM IN ACCORDANCE WITH SEC 907.5.2.2.

# **OCCUPANT LOADS FOR SCHOOLS**

Education Occupancy

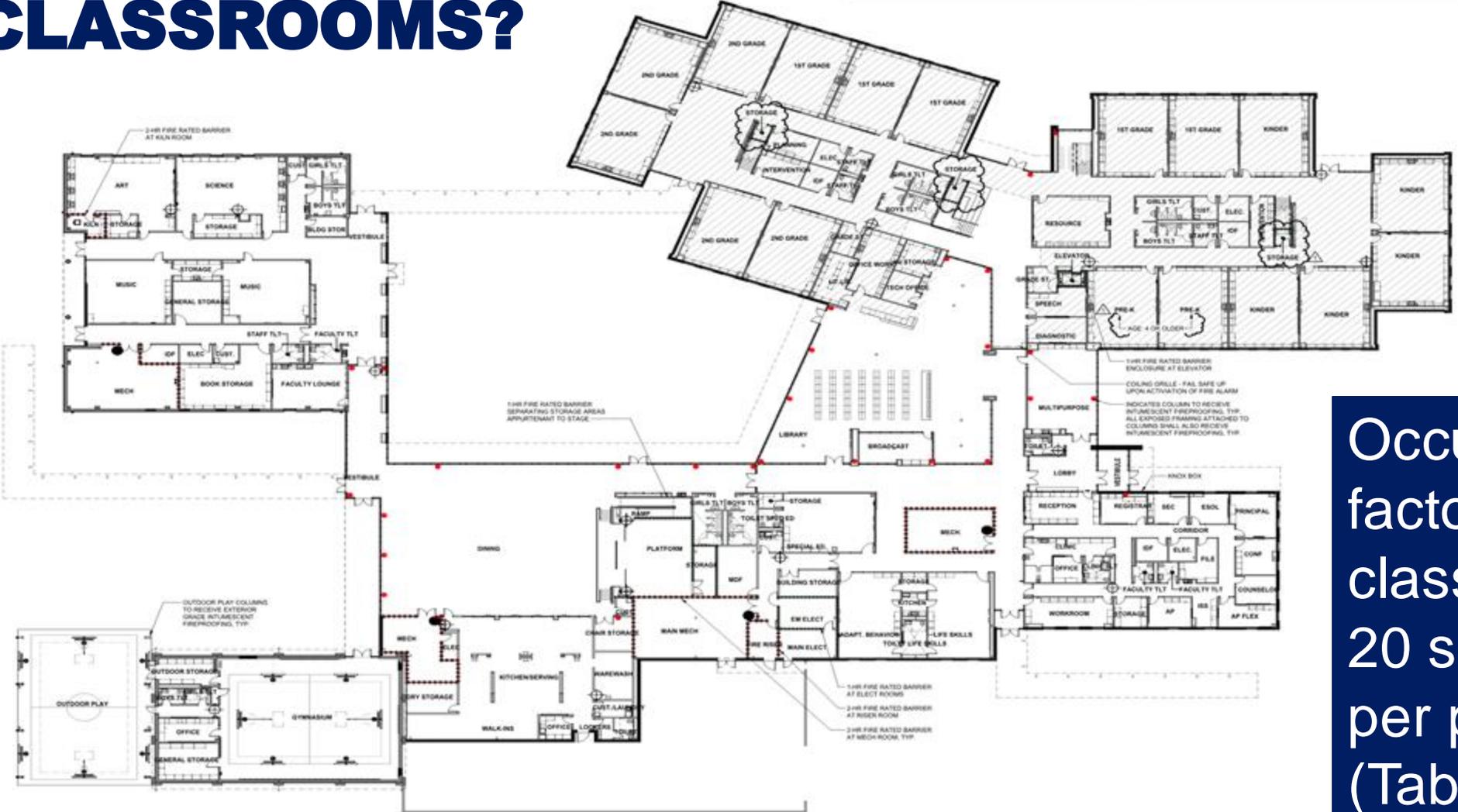
2021 International Building Code (IBC)

# HOW DO YOU CALCULATE OCCUPANT LOAD FOR CLASSROOMS?



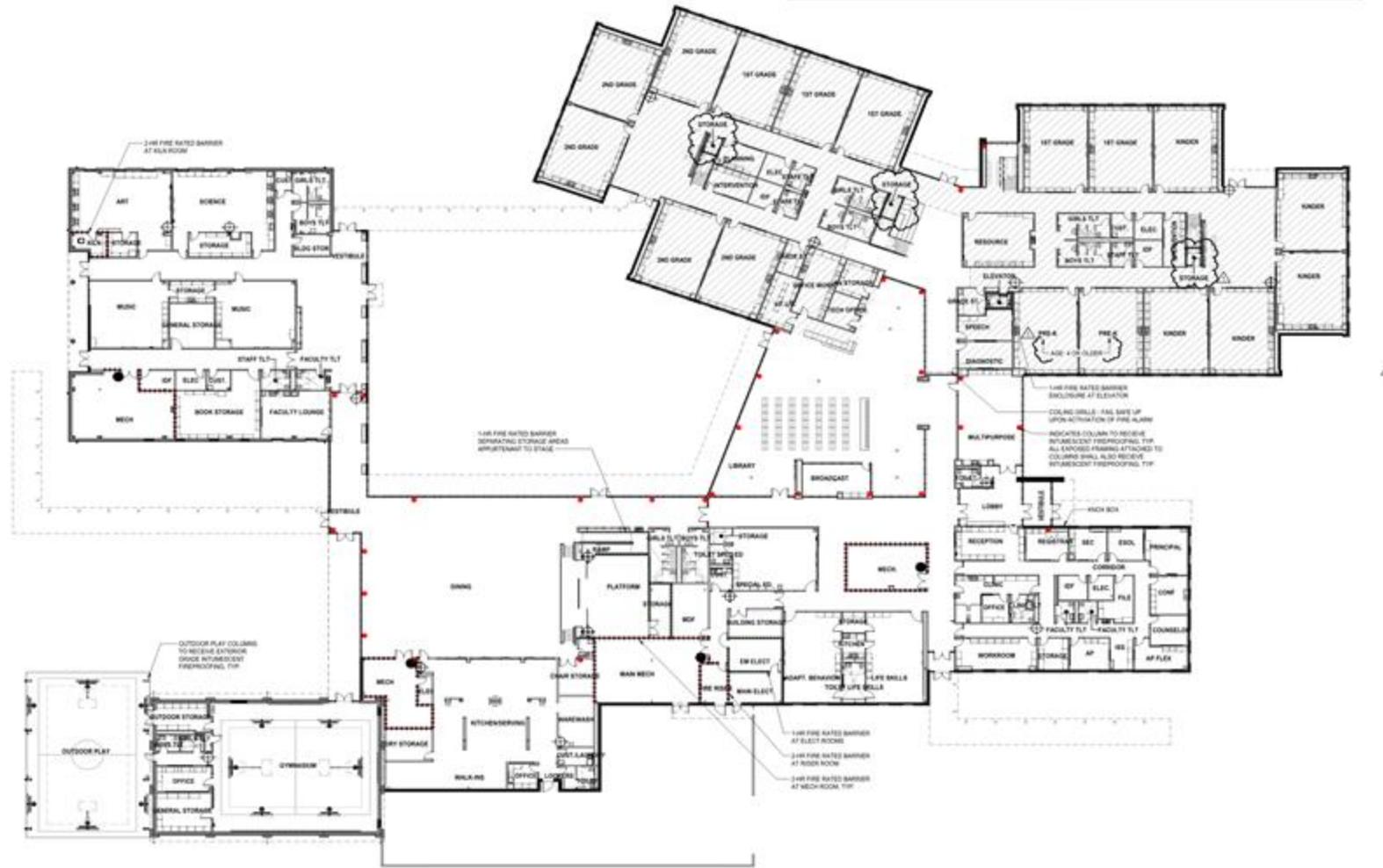
Occupant load factor for classrooms is? sq ft net per person (Table 1004.5)

# HOW DO YOU CALCULATE OCCUPANT LOAD FOR CLASSROOMS?



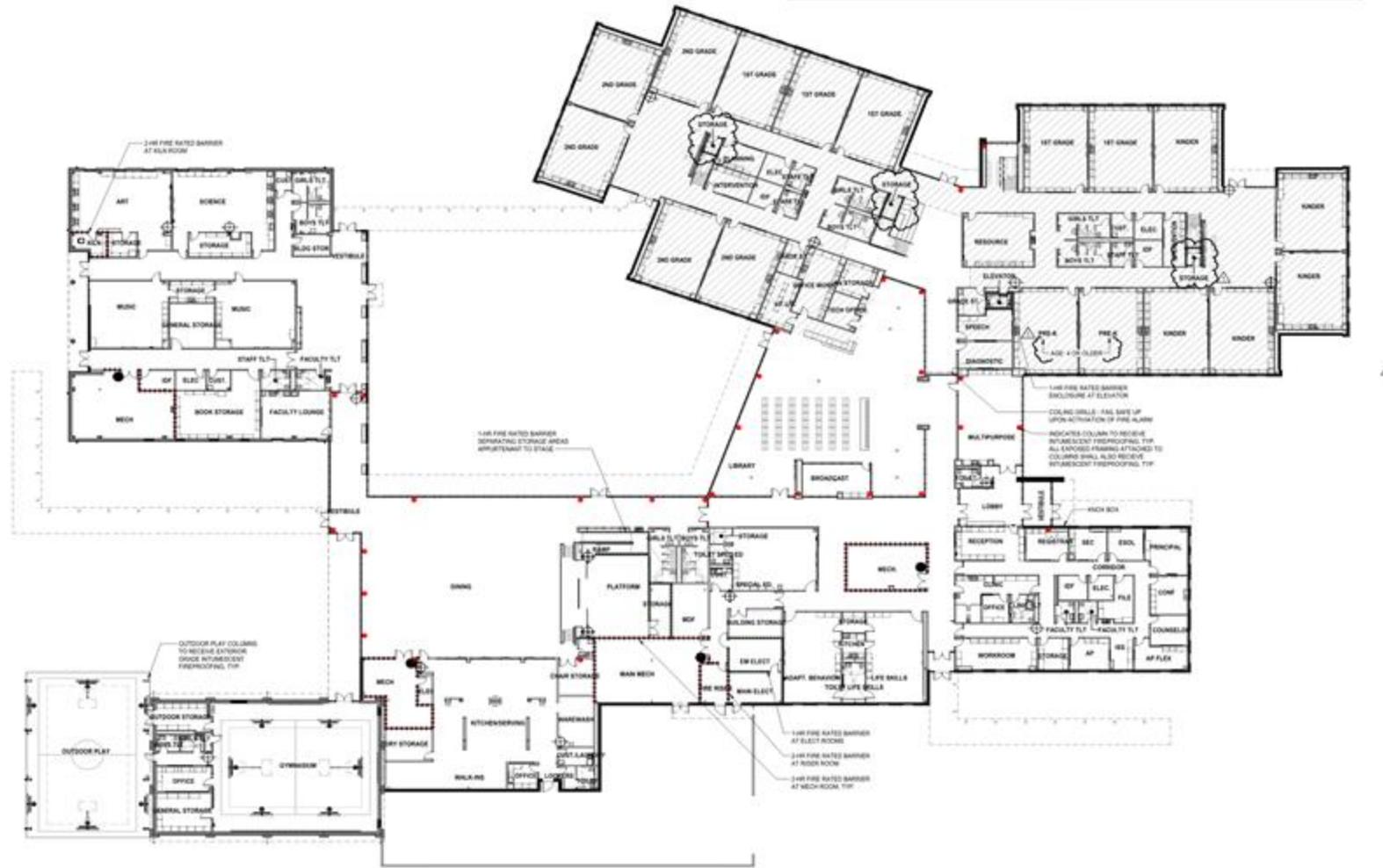
Occupant load factor for classrooms is 20 sq ft net per person (Table 1004.5)

# HOW DO YOU CALCULATE OCCUPANT LOAD FOR SHOP AND VOCATIONAL ROOMS?



Occupant load for shops or vocational rooms is? sq ft net per person (Table 1004.5)

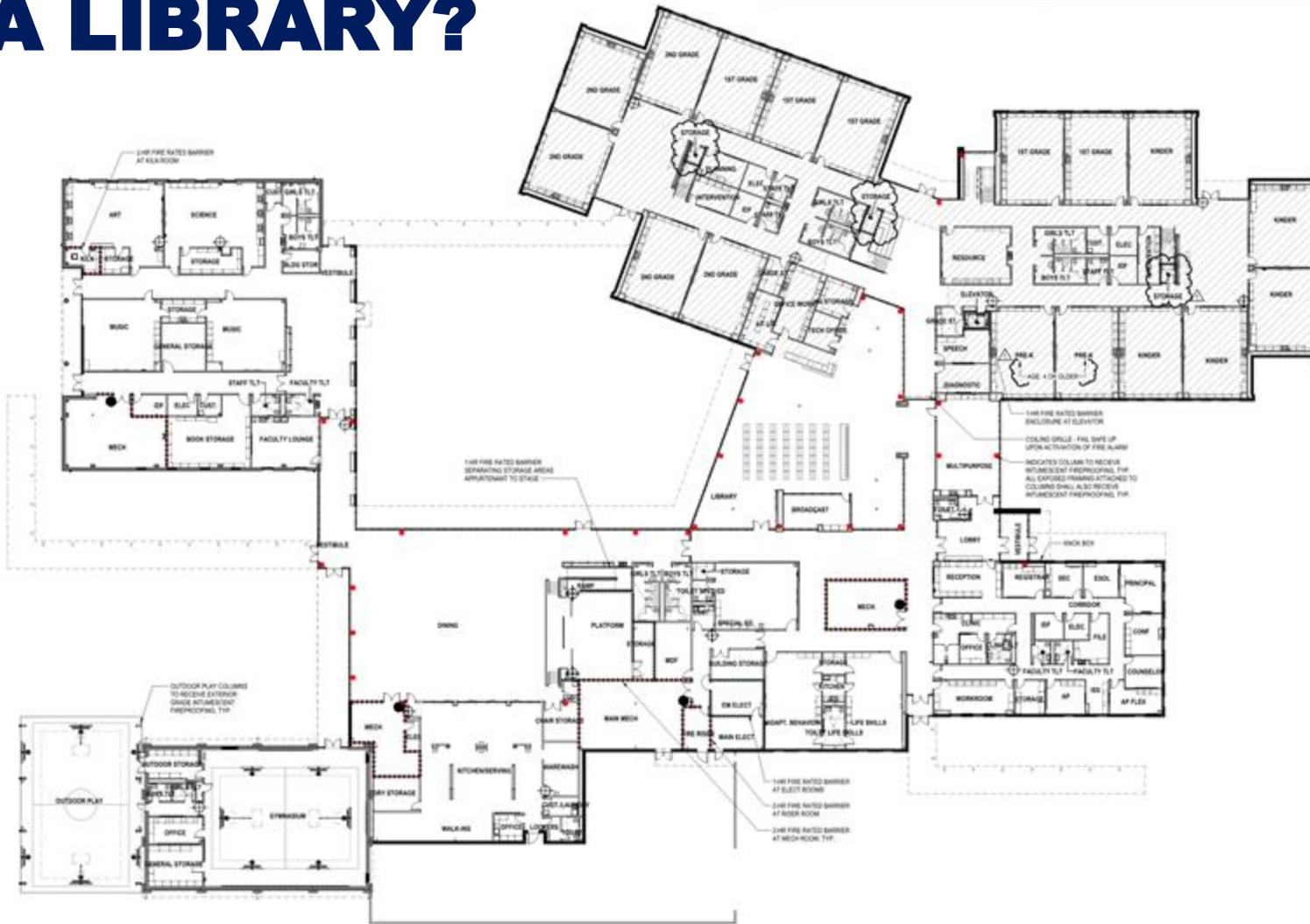
# HOW DO YOU CALCULATE OCCUPANT LOAD FOR SHOP AND VOCATIONAL ROOMS?



Occupant load for shops or vocational rooms is 50 sq ft net per person (Table 1004.5)



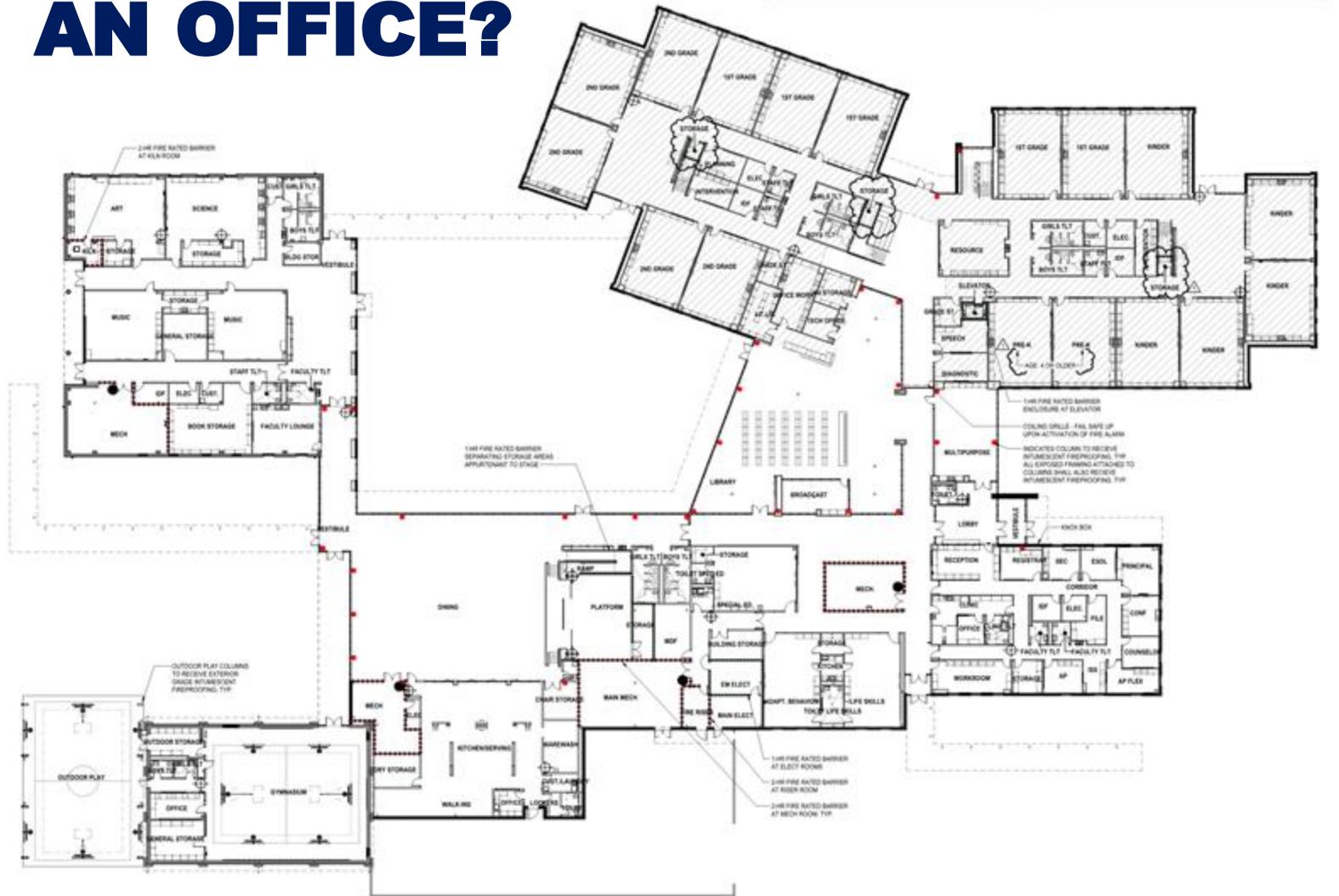
# HOW DO YOU CALCULATE OCCUPANT LOAD FOR A LIBRARY?



Occupant load for a library is 50 sq ft net per person (Table 1004.5)

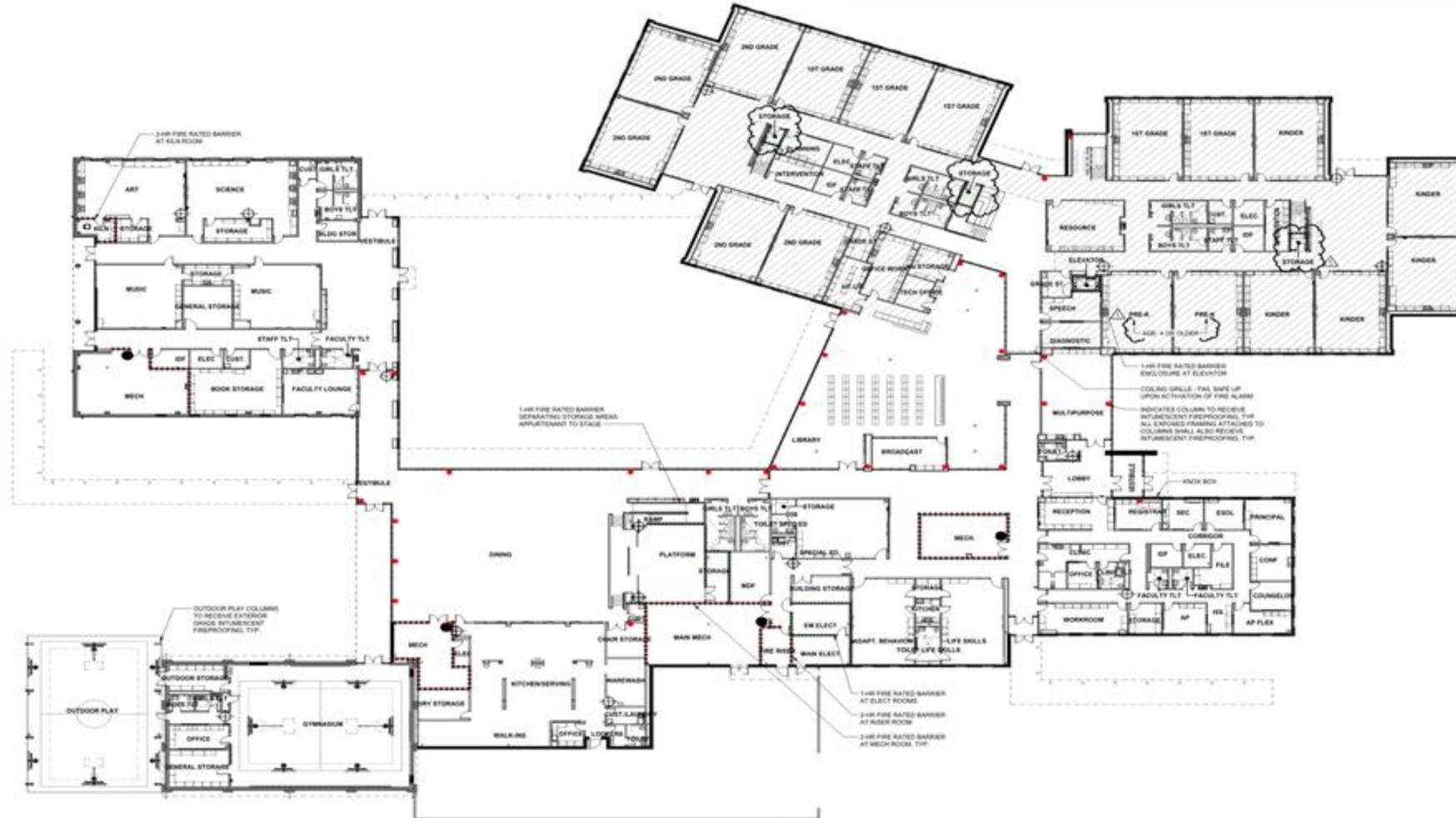


# HOW DO YOU CALCULATE OCCUPANT LOAD FOR AN OFFICE?



Occupant load for office rooms is 150 sq ft gross per person (Table 1004.5)

# WHAT SPACES WOULD BE CONSIDERED NON-SIMULTANEOUS USE?



A1 CODE REVIEW PLAN - LEVEL 1



**DESIGN OCCUPANT LOAD FOR SCHOOLS (PER TABLE 1004.5 2021 IBC)**

**1. Class Rooms**

Determine net square footage of each classroom and use O.L. factor 20 sq. ft. per person and then add up occupant load of each classroom to find the total occupant load.

**2. Office Area**

Determine occupant load based on gross area of office portion using 150 sq. ft. per person.

**3. Shops, Vacational and Laboratories Classrooms**

Determine net square footage of these rooms using 50 sq. ft. of the net area.

**4. Gymnasium, Cafeteria, Cafetorium & Auditorium**

*Gymnasium & Cafeteria* = Use 15 sq. ft. per person to find total occupant load

*Cafetorium* = Dual use as Cafeteria and an Auditorium

Without any fixed seats, use 7 sq. ft. per person to find the total occupant load of cafetorium.

*Auditorium* = If there are no fixed seat, then use 7 sq. ft. per person and if there are fixed seats, count total number of seats.

**5. Library**

*Reading rooms* = Use 50 sq. ft. per person for net area used as reading room to find the occupant load.

*Stack area* = Use 100 sq. ft. per person for gross area of stack room/area to find the occupant load.

**6. Non-Simultaneous Use**

If gymnasium, cafeteria, cafetorium, auditorium, or library is used only for displaced students, then that occupant load is not added to the total occupant of the school, but that occupant load is used to determine exit requirements of that portion.

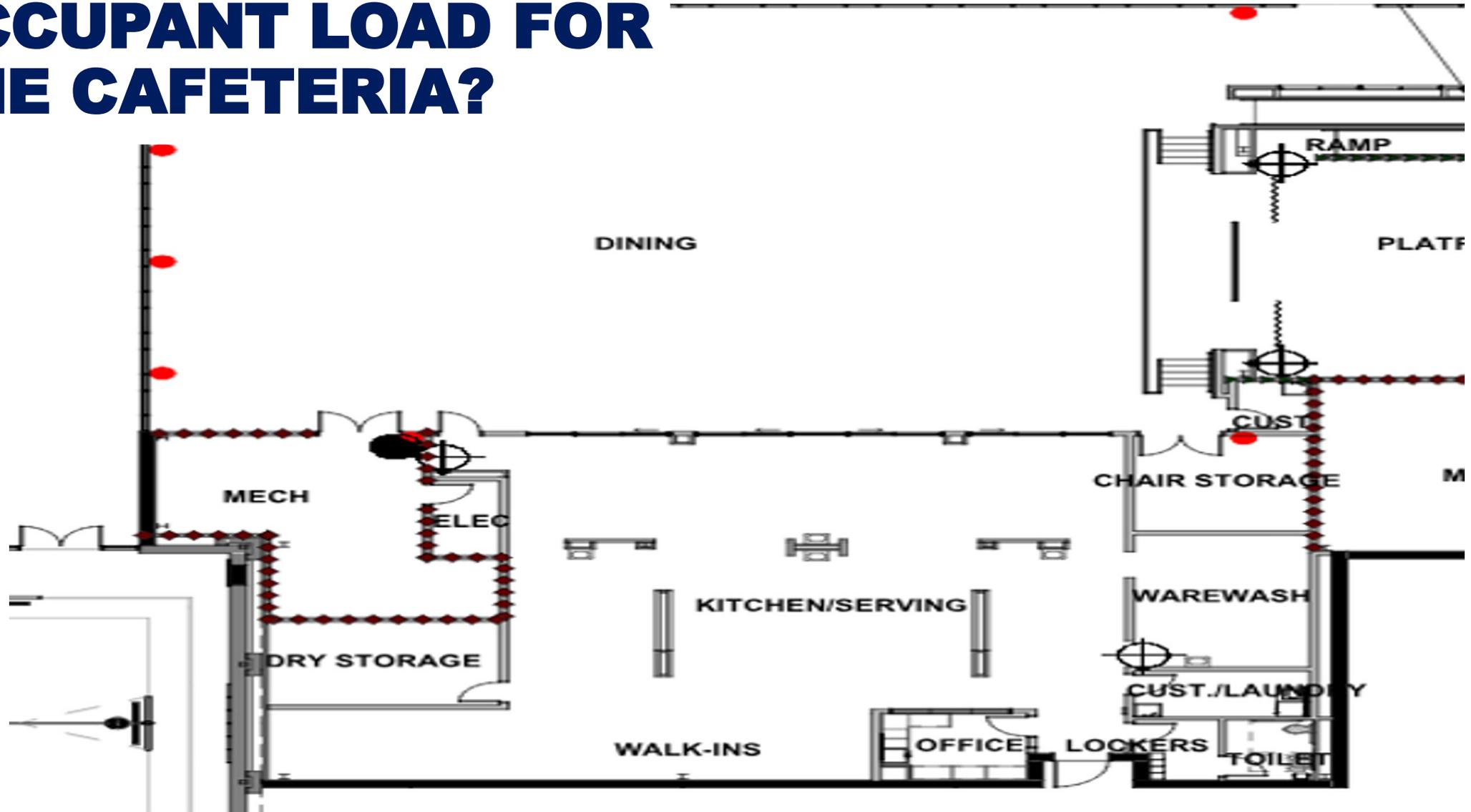
In case any of these portions are used by outsiders temporarily for any occasion **during hours of operation**, then the occupant load of that portion is added to the total occupant load determined in step 3 to find the grand total of occupant load..

**7. Simultaneous Use**

If a gymnasium, cafeteria, cafetorium, auditorium, or library is a separate, stand-alone building, then it will have its own occupant load.

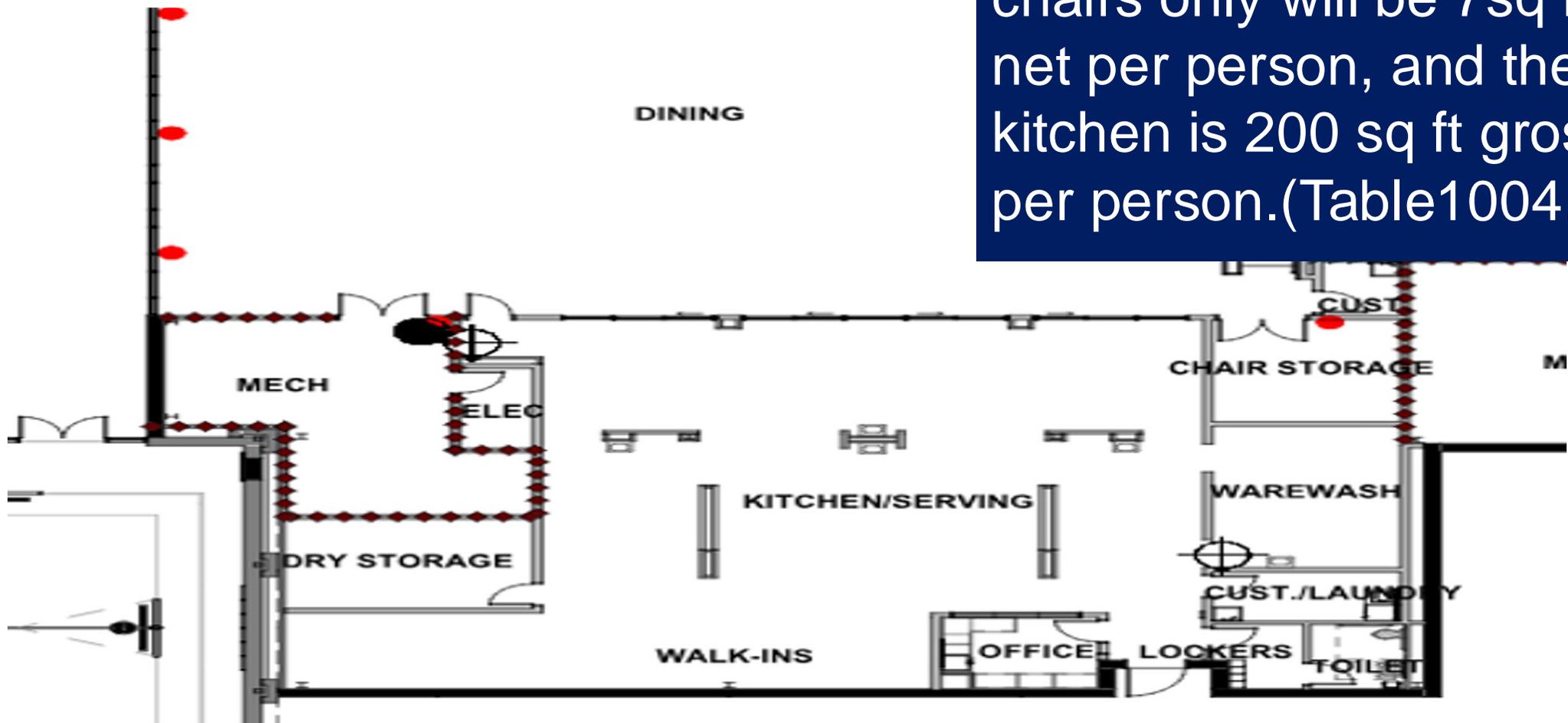
**NOTE:** If there is a reduction of occupant load based on teacher/student ratio as per Texas Education Agency, building official's approval is required as per Sec. 1004.1 of the Houston Building Code.

# HOW DO YOU CALCULATE OCCUPANT LOAD FOR THE CAFETERIA?

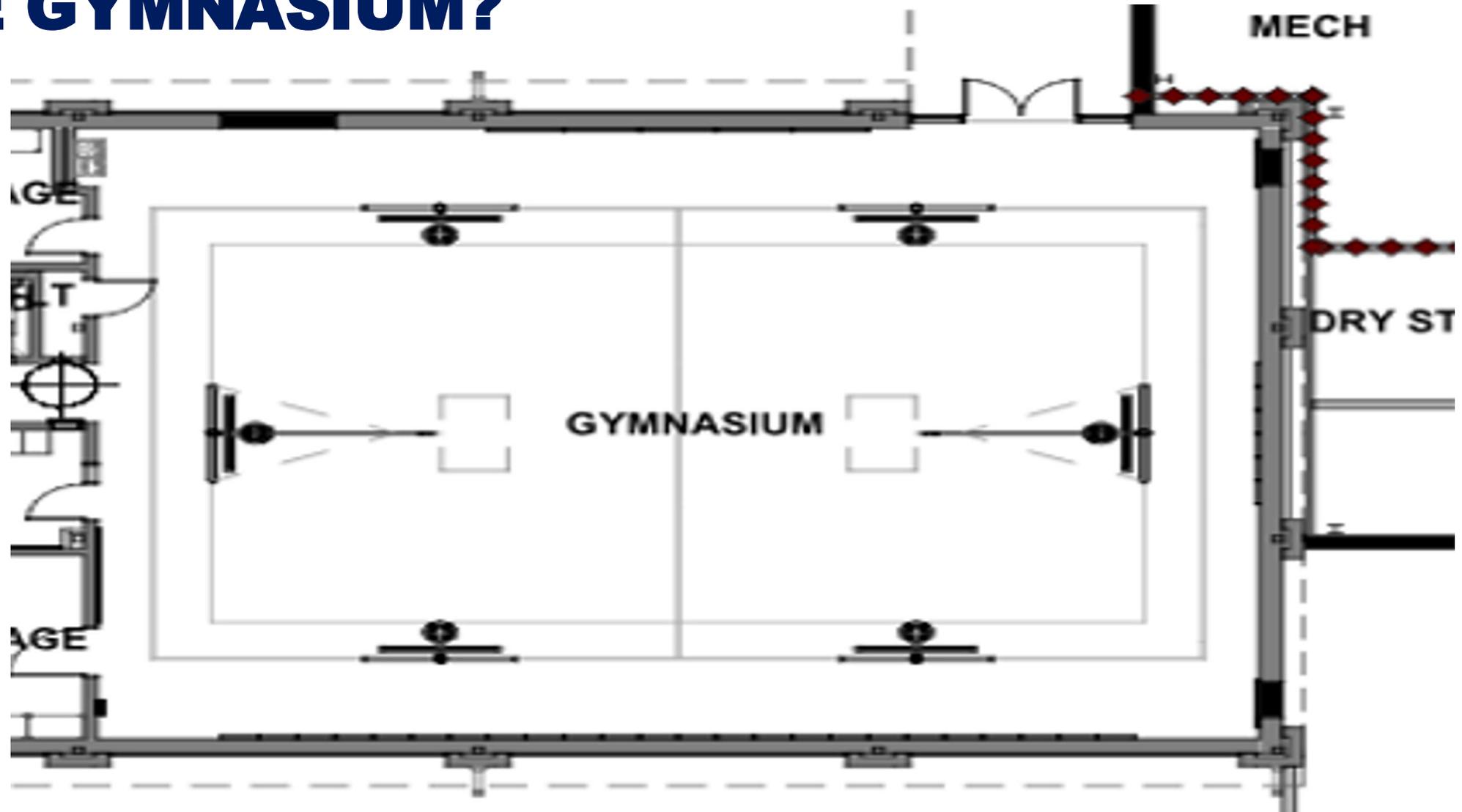


# HOW DO YOU CALCULATE OCCUPANT LOAD FOR THE CAFETERIA?

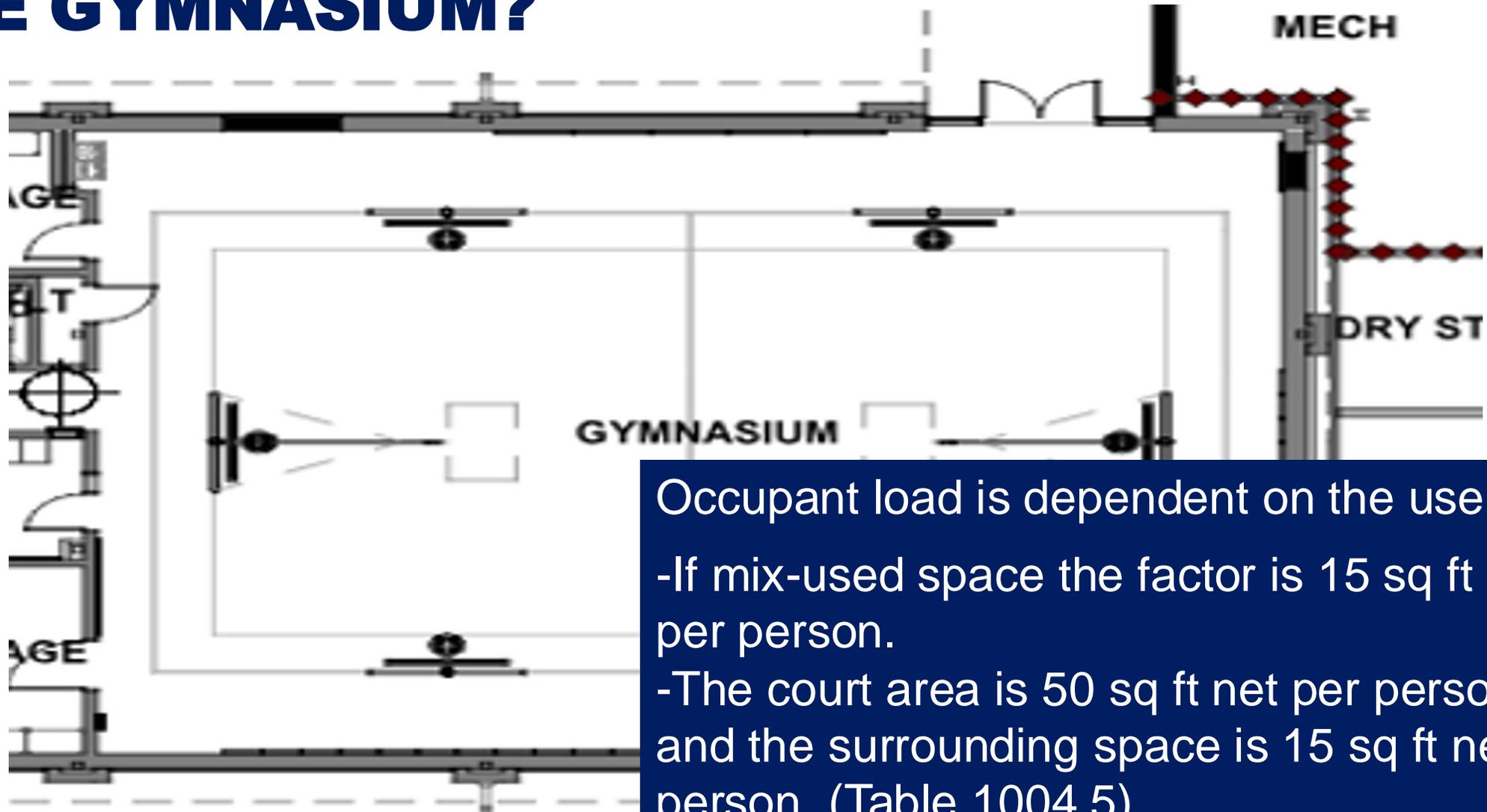
Occupant load of table and chairs will be 15 sq ft net per person, chairs only will be 7sq ft net per person, and the kitchen is 200 sq ft gross per person.(Table 1004.5 )



# HOW DO YOU CALCULATE OCCUPANT LOAD FOR THE GYMNASIUM?



# HOW DO YOU CALCULATE OCCUPANT LOAD FOR THE GYMNASIUM?



Occupant load is dependent on the use.

- If mix-used space the factor is 15 sq ft net per person.
- The court area is 50 sq ft net per person and the surrounding space is 15 sq ft net per person. (Table 1004.5)

# INTERNATIONAL BUILDING CODE | IBC – TABLE 1004.5

## Maximum floor area allowances per occupant

### MEANS OF EGRESS

TABLE 1004.5  
MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

FUNCTION OF SPACE	OCCUPANT LOAD FACTOR <sup>a</sup>
Accessory storage areas, mechanical equipment room	300 gross
Agricultural building	300 gross
Aircraft hangars	500 gross
Airport terminal	
Baggage claim	20 gross
Baggage handling	300 gross
Concourse	100 gross
Waiting areas	15 gross
Assembly	
Gaming floors (keno, slots, etc.)	11 gross
Exhibit gallery and museum	30 net
Assembly with fixed seats	See Section 1004.6
Assembly without fixed seats	
Concentrated (chairs only—not fixed)	7 net
Standing space	5 net
Unconcentrated (tables and chairs)	15 net
Bowling centers, allow 5 persons for each lane including 15 feet of runway, and for additional areas	7 net
Business areas	150 gross
Concentrated business use areas	See Section 1004.8
Courtrooms—other than fixed seating areas	40 net
Day care	35 net
Dormitories	50 gross
Educational	
Classroom area	20 net
Shops and other vocational room areas	50 net

# INTERNATIONAL BUILDING CODE | IBC – TABLE 1004.5

## Maximum floor area allowances per occupant

Exercise rooms	50 gross
Group H-5 fabrication and manufacturing areas	200 gross
Industrial areas	100 gross
Institutional areas	
Inpatient treatment areas	240 gross
Outpatient areas	100 gross
Sleeping areas	120 gross
Kitchens, commercial	200 gross
Library	
Reading rooms	50 net
Stack area	100 gross
Locker rooms	50 gross
Mall buildings—covered and open	See Section 402.8.2
Mercantile	60 gross
Storage, stock, shipping areas	300 gross
Parking garages	200 gross
Residential	200 gross
Skating rinks, swimming pools	
Rink and pool	50 gross
Decks	15 gross
Stages and platforms	15 net
Warehouses	500 gross

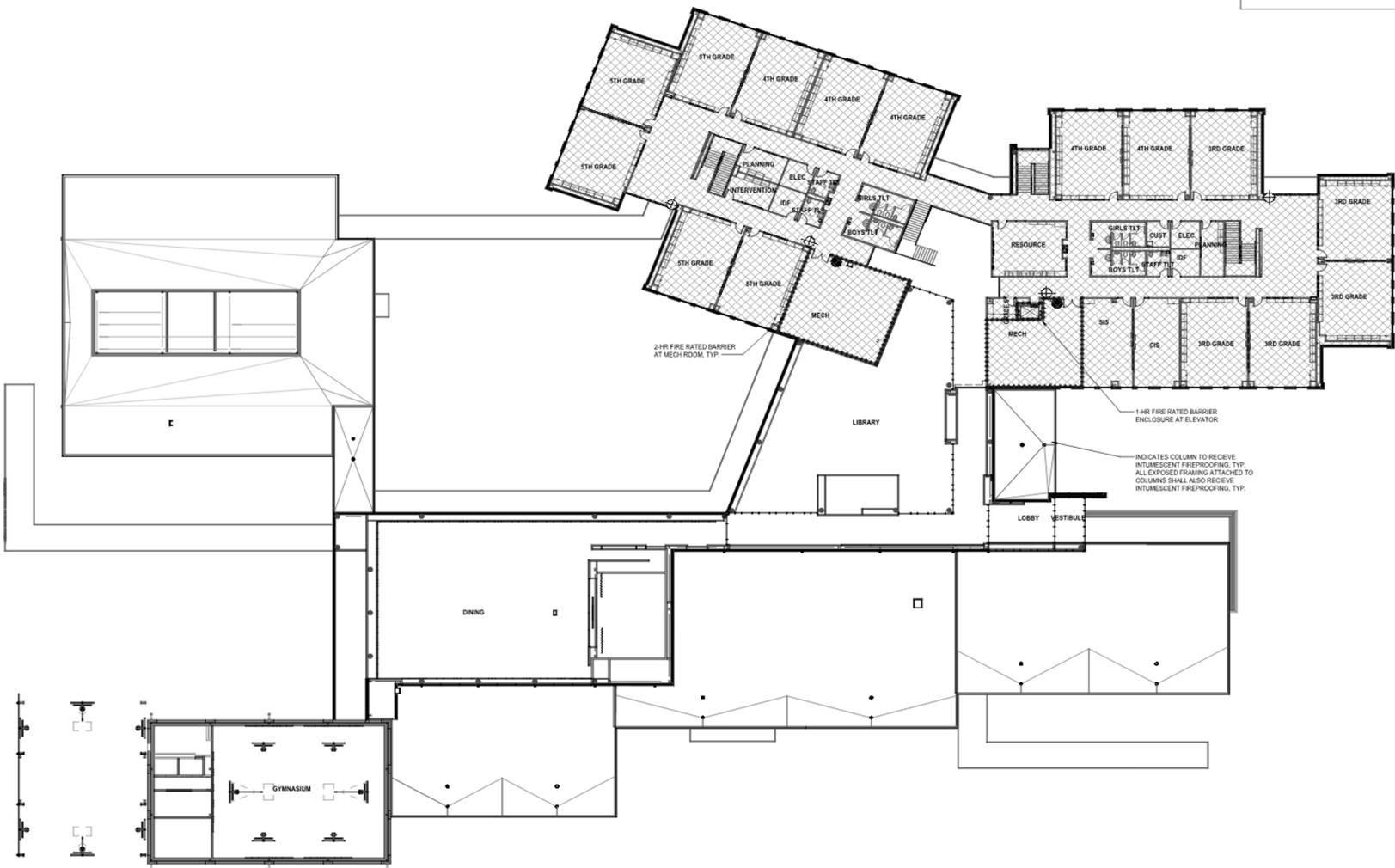
For SI: 1 foot = 304.8 mm, 1 square foot = 0.0929 m<sup>2</sup>.

a. Floor area in square feet per occupant.

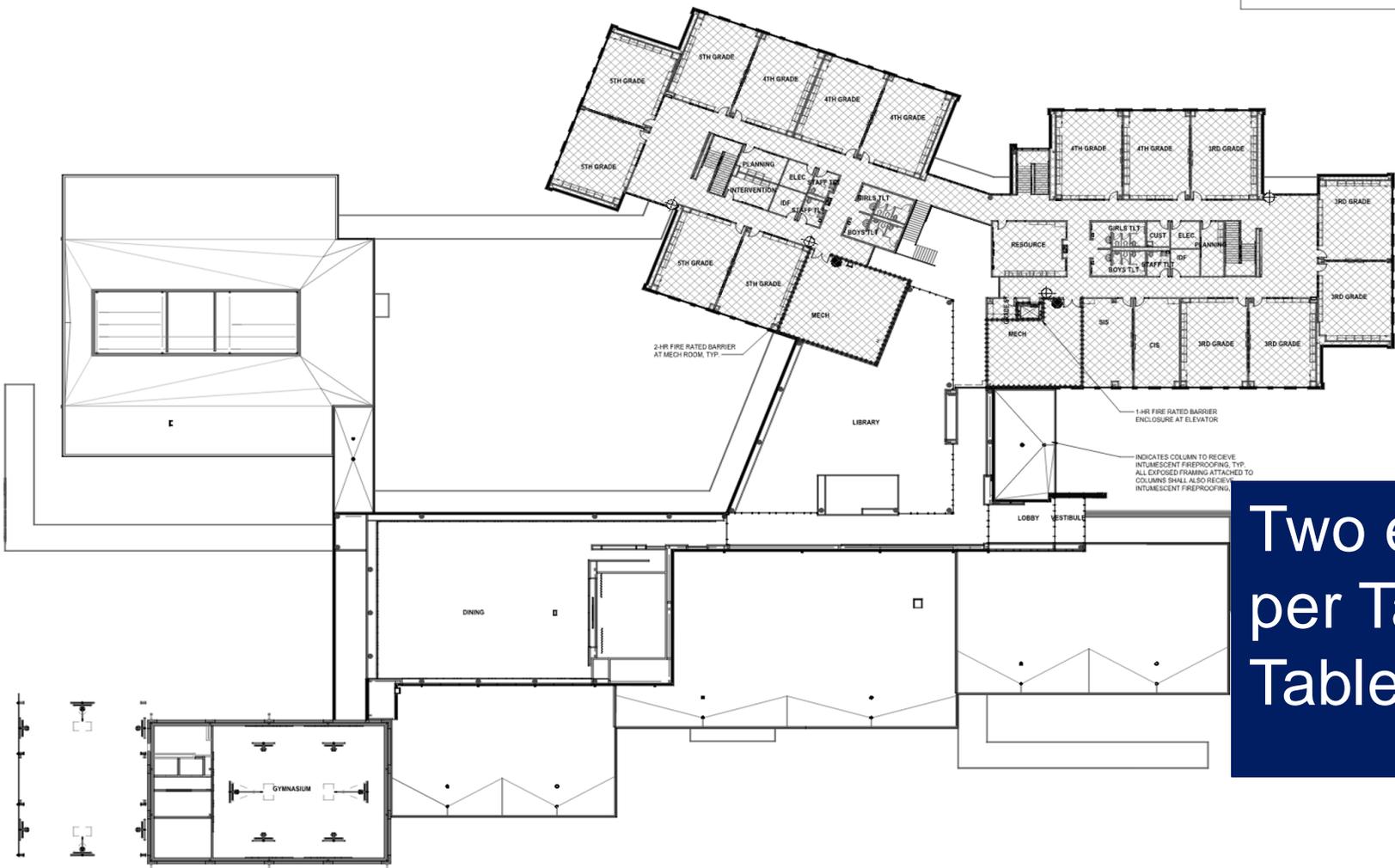
# SCHOOL EGRESS

Education Occupancy  
2021 International Building Code (IBC)

# HOW MANY EXITS ARE REQUIRED FROM THE SECOND FLOOR?



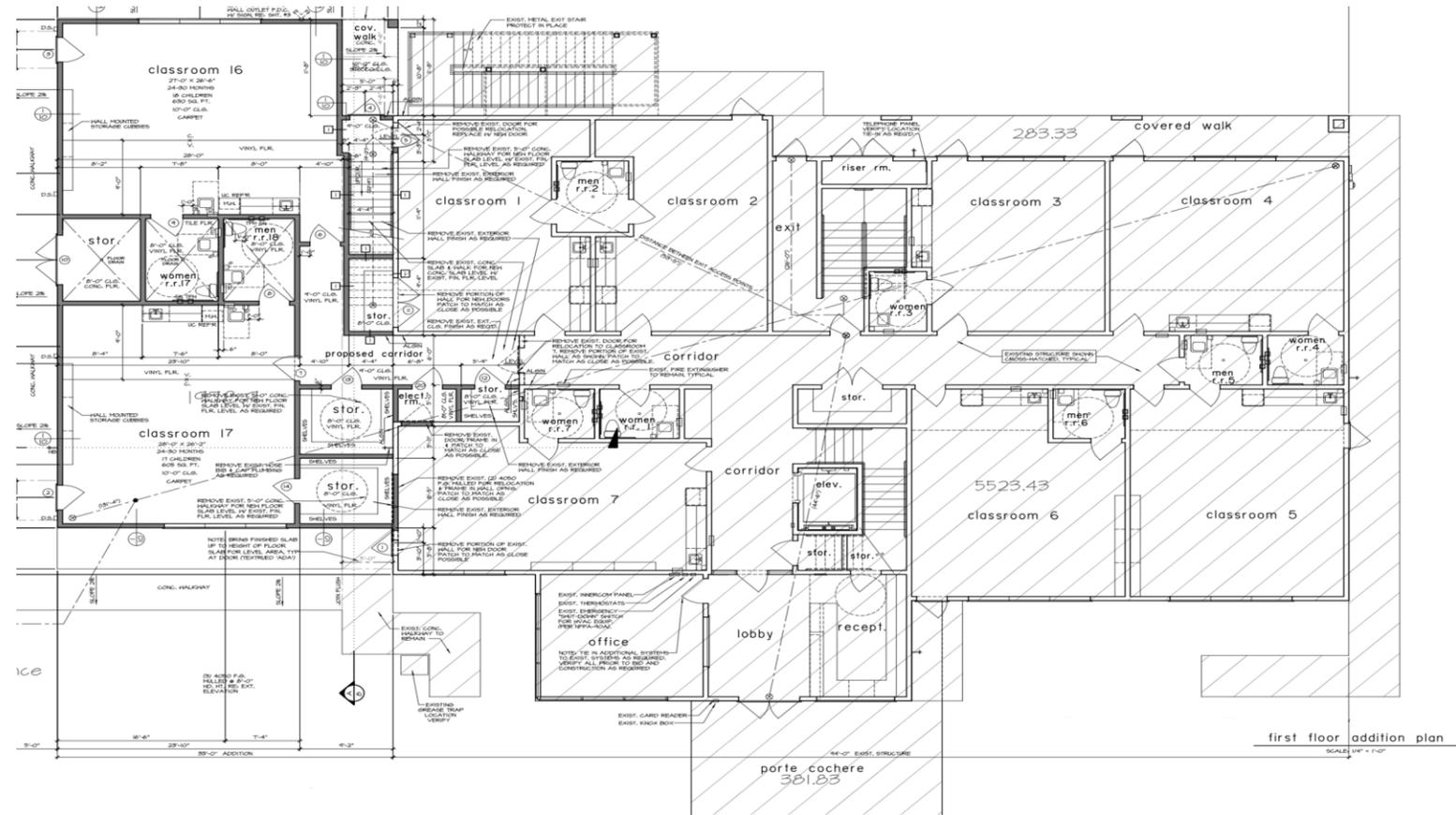
# HOW MANY EXITS ARE REQUIRED FROM THE SECOND FLOOR?



Two exits are required per Table 1006.3.3 also Table 1006.3.4(2)

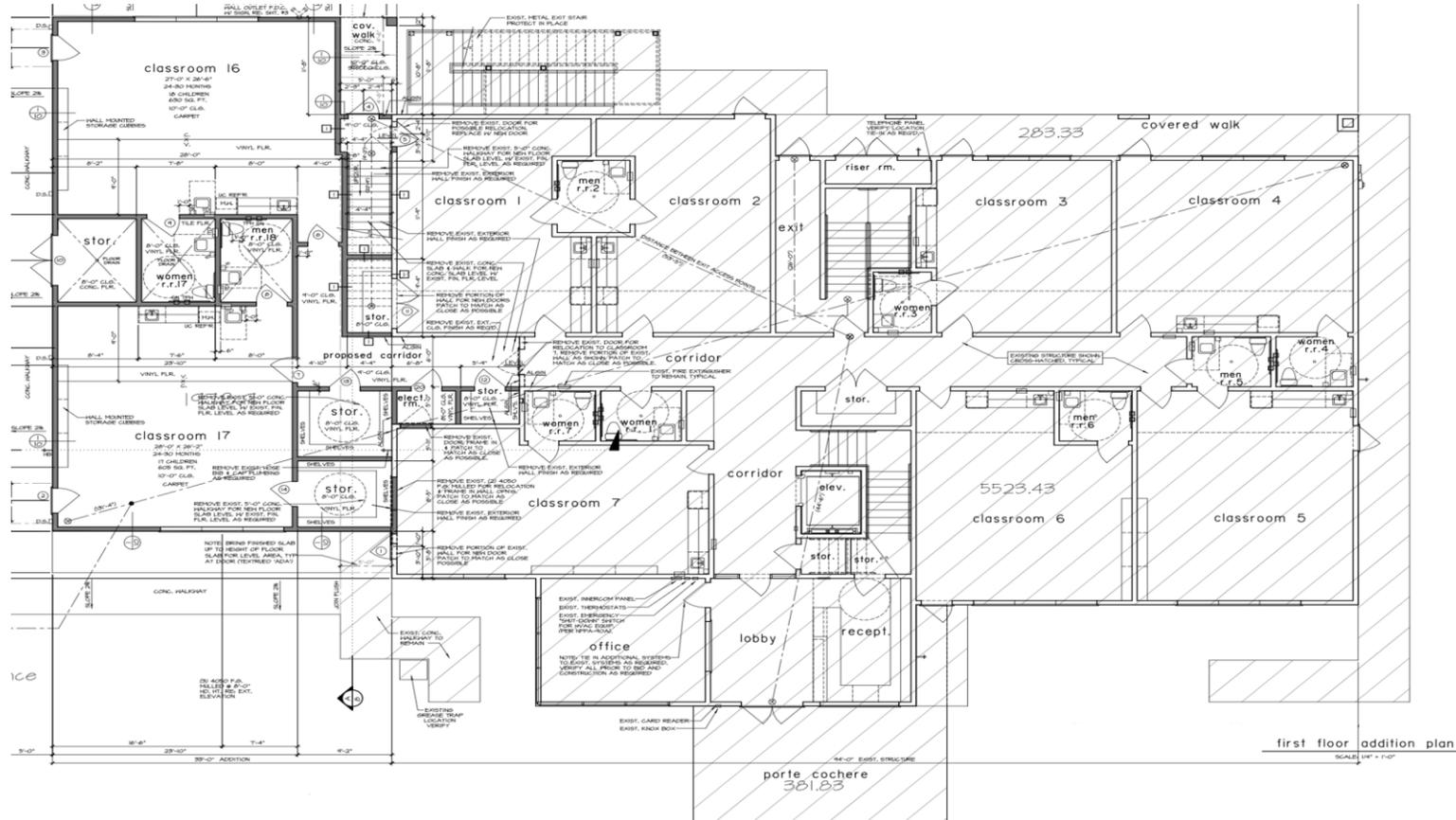
# PER HOUSTON AMENDMENTS, WHAT ARE THE ADDITIONAL REQUIREMENTS FOR THE BUILDING IF:

The 2nd floor classrooms numbers 3,4,5 and 6 has second graders. The third, fourth, and fifth graders are on the rest of the floor.



# PER HOUSTON AMENDMENTS, WHAT ARE THE ADDITIONAL REQUIREMENTS FOR THE BUILDING IF:

The second-floor classrooms numbered 3, 4, and 6 have second graders. The third, fourth, and fifth graders are on the rest of the floor.



When children above the second grade are located on the same floor level as children of second grade or lower:

1. the building shall be equipped with automatic sprinklers
2. the children of the second grade or lower shall have access to and exclusive use of at least two means of egress to the exterior.

(Section 305.4, 2021 IBC, Houston Amendments)





# TABLES 1006.3.3 AND 1006.3.4(1) AND (2)

## MEANS OF EGRESS

### Minimum number of exits or access to exits per story

TABLE 1006.3.3  
MINIMUM NUMBER OF EXITS OR  
ACCESS TO EXITS PER STORY

OCCUPANT LOAD PER STORY	MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS FROM STORY
1-500	2
501-1,000	3
More than 1,000	4

**1006.3.4 Single exits.** A single *exit* or access to a single *exit* shall be permitted from any *story* or occupied roof where one of the following conditions exists:

1. The *occupant load*, number of *dwelling units* and exit access travel distance do not exceed the values in Table 1006.3.4(1) or 1006.3.4(2).
2. Rooms, areas and spaces complying with Section 1006.2.1 with *exits* that discharge directly to the exterior at the *level of exit discharge*, are permitted to have one *exit* or access to a single *exit*.
3. Parking garages where vehicles are mechanically parked shall be permitted to have one *exit* or access to a single *exit*.
4. Group R-3 and R-4 occupancies shall be permitted to have one *exit* or access to a single *exit*.
5. Individual single-story or multistory *dwelling units* shall be permitted to have a single *exit* or access to a single *exit* from the *dwelling unit* provided that both of the following criteria are met:
  1. The *dwelling unit* complies with Section 1006.2.1 as a space with one *means of egress*.

- 5.2. Either the exit from the *dwelling unit* discharges directly to the exterior at the *level of exit discharge*, or the *exit access* outside the *dwelling unit's* entrance door provides access to not less than two approved independent *exits*.

**1006.3.4.1 Mixed occupancies.** Where one *exit*, or *exit access stairway* or *ramp* providing access to exits at other stories, is permitted to serve individual *stories*, mixed occupancies shall be permitted to be served by single *exits* provided that each individual occupancy complies with the applicable requirements of Table 1006.3.4(1) or 1006.3.4(2) for that occupancy. Where applicable, cumulative *occupant loads* from adjacent occupancies shall be considered to be in accordance with the provisions of Section 1004.1. In each *story* of a mixed occupancy building, the maximum number of occupants served by a single exit shall be such that the sum of the ratios of the calculated number of occupants of the space divided by the allowable number of occupants indicated in Table 1006.3.4(2) for each occupancy does not exceed one. Where *dwelling units* are located on a story with other occupancies, the actual number of *dwelling units* divided by four plus the ratio from the other occupancy does not exceed one.

# TABLES 1006.3.3 AND 1006.3.4(1) AND (2)

Minimum number of exits or access to exits per story

## MEANS OF EGRESS

TABLE 1006.3.4(1)  
STORIES WITH ONE EXIT OR ACCESS TO ONE EXIT FOR R-2 OCCUPANCIES

II	STORY	OCCUPANCY	MAXIMUM NUMBER OF DWELLING UNITS	MAXIMUM EXIT ACCESS TRAVEL DISTANCE
	Basement, first, second or third story above grade plane	R-2 <sup>b</sup>	4 dwelling units	125 feet
	Fourth story above grade plane and higher	NP	NA	NA

For SI: 1 foot= 304.8 mm.

NP = Not Permitted.

NA = Not Applicable.

a. Buildings classified as Group R-2 equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2 and provided with emergency escape and rescue openings in accordance with Section 1031.

b. This table is used for R-2 occupancies consisting of dwelling units. For R-2 occupancies consisting of sleeping units, use Table 1006.3.4(2).

TABLE 1006.3.4(2)  
STORIES WITH ONE EXIT OR ACCESS TO ONE EXIT FOR OTHER OCCUPANCIES

III	STORY	OCCUPANCY	MAXIMUM OCCUPANT LOAD PER STORY	MAXIMUM EXIT ACCESS TRAVEL DISTANCE (feet)
	First story above or below grade plane	A, B <sup>1</sup> , E, Fb, M, U	49	75
		H-2, H-3	3	25
		H-4, H-5, I, R-1, R-2n,c	10	75
		sb,d	29	75
	Second story above grade plane	B, F, M, sd	29	75
	Third story above grade plane and higher	NP	NA	NA

For SI: 1 foot= 304.8 mm.

NP= Not Permitted.

NA = Not Applicable.

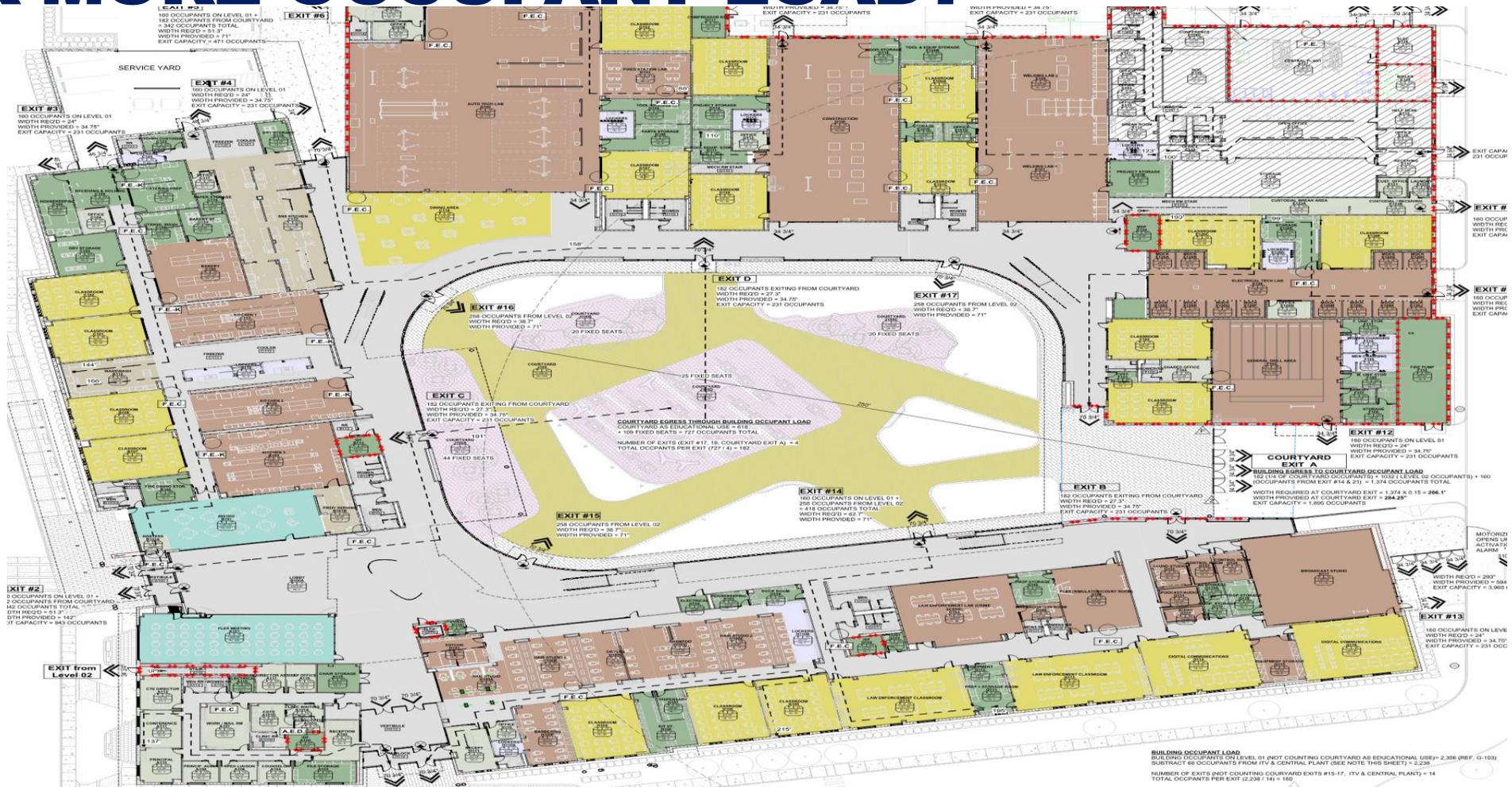
a. Buildings classified as Group R-2 equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2 and provided with emergency escape and rescue openings in accordance with Section 1031.

b. Group B, F and S occupancies in buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 shall have a maximum exit access travel distance of 100 feet.

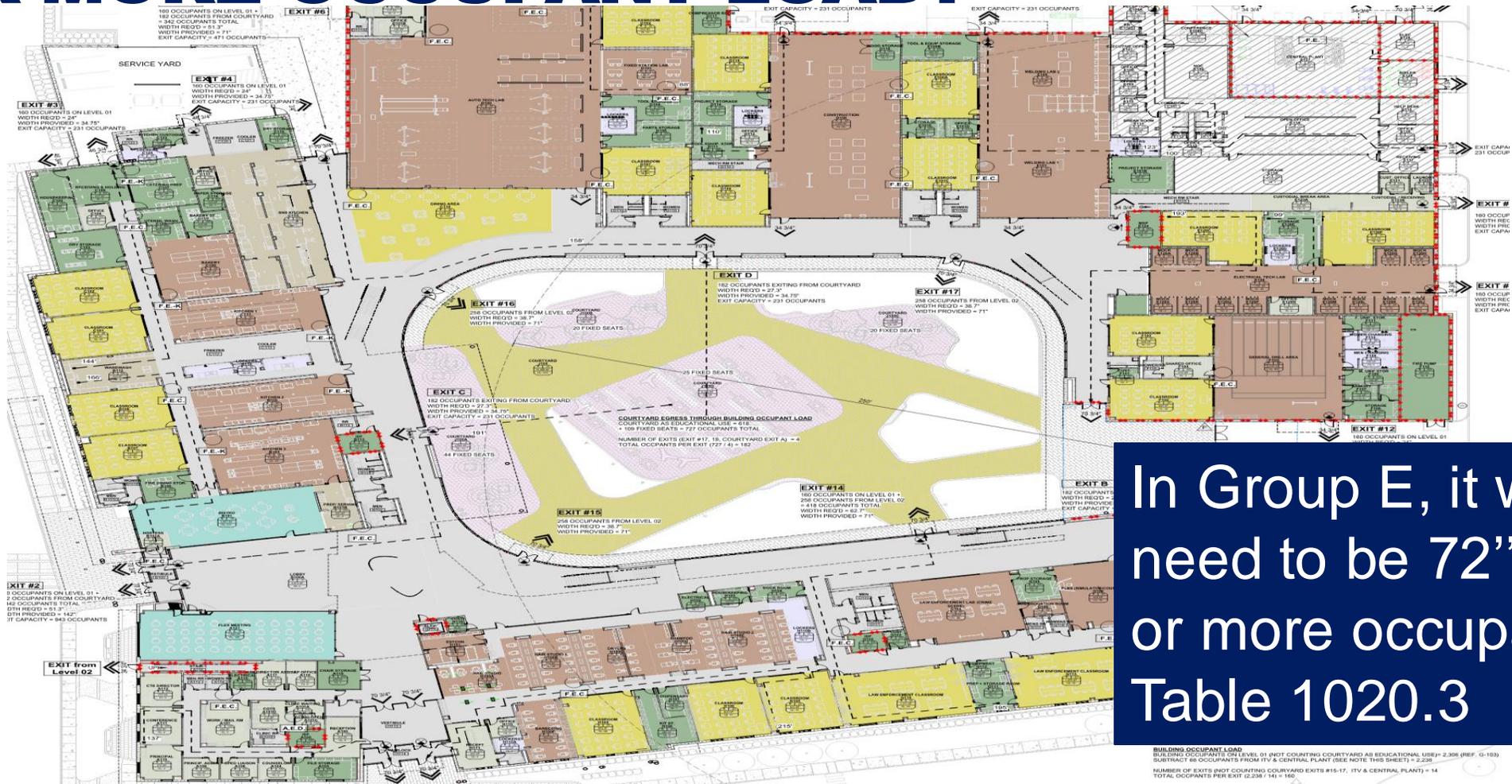
c. This table is used for R-2 occupancies consisting of sleeping units. For R-2 occupancies consisting of dwelling units, use Table 1006.3.4(1).

d. The length of exit access travel distance in a Group S-2 open parking garage shall be not more than 100 feet.

# WHAT IS THE REQUIRED WIDTH OF THE CORRIDORS FOR SCHOOLS OF 100 OR MORE OCCUPANT LOAD?



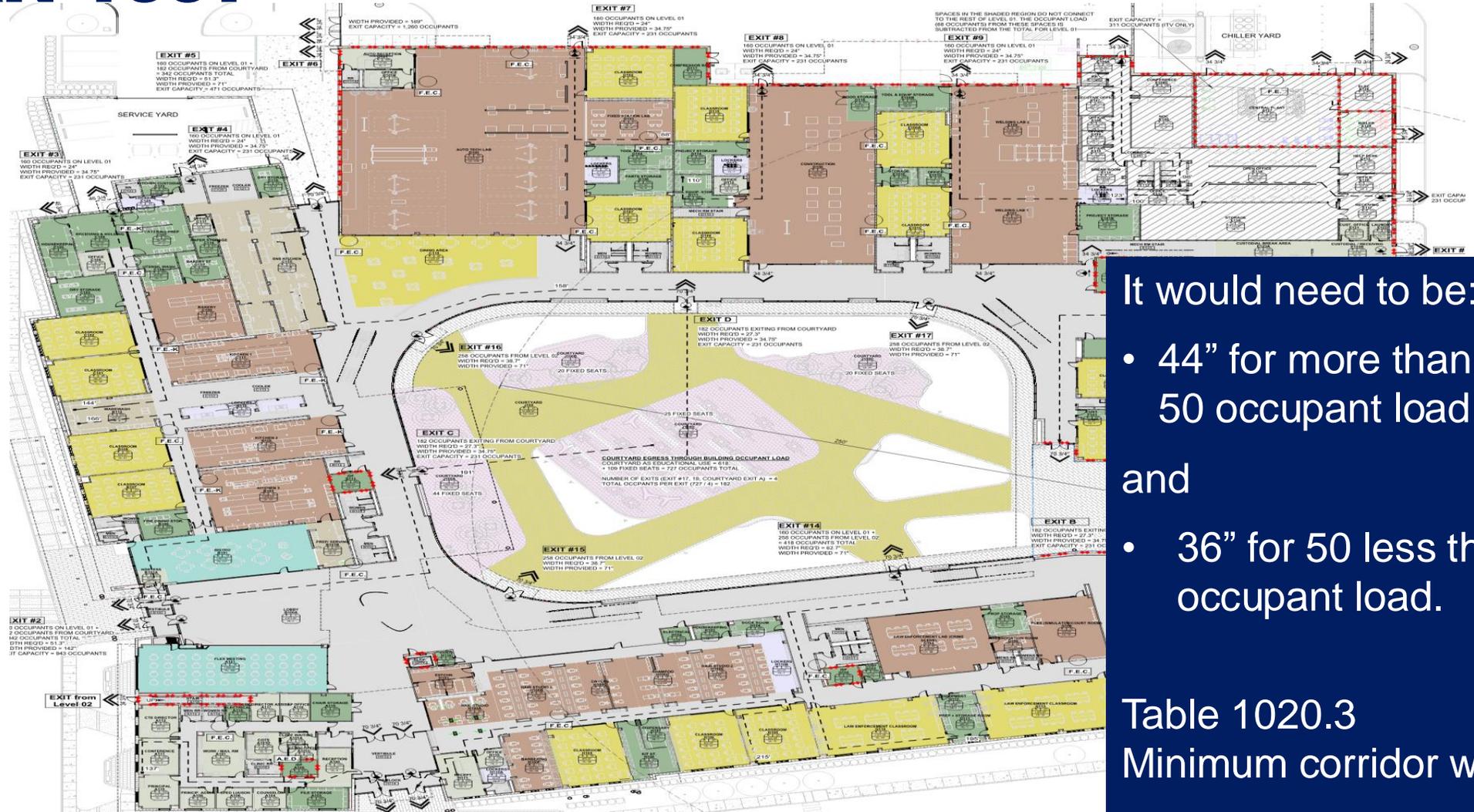
# WHAT IS THE REQUIRED WIDTH OF THE CORRIDORS FOR SCHOOLS OF 100 OR MORE OCCUPANT LOAD?



In Group E, it would need to be 72" for 100 or more occupant load. Table 1020.3



# WHAT IF THE OCCUPANT LOAD IS LESS THAN 100?



It would need to be:

- 44" for more than 50 occupant load and
- 36" for 50 less than occupant load.

Table 1020.3  
Minimum corridor width





# CAN SOMEONE IDENTIFY THE MOST REMOTE LOCATION ON THIS PLAN?

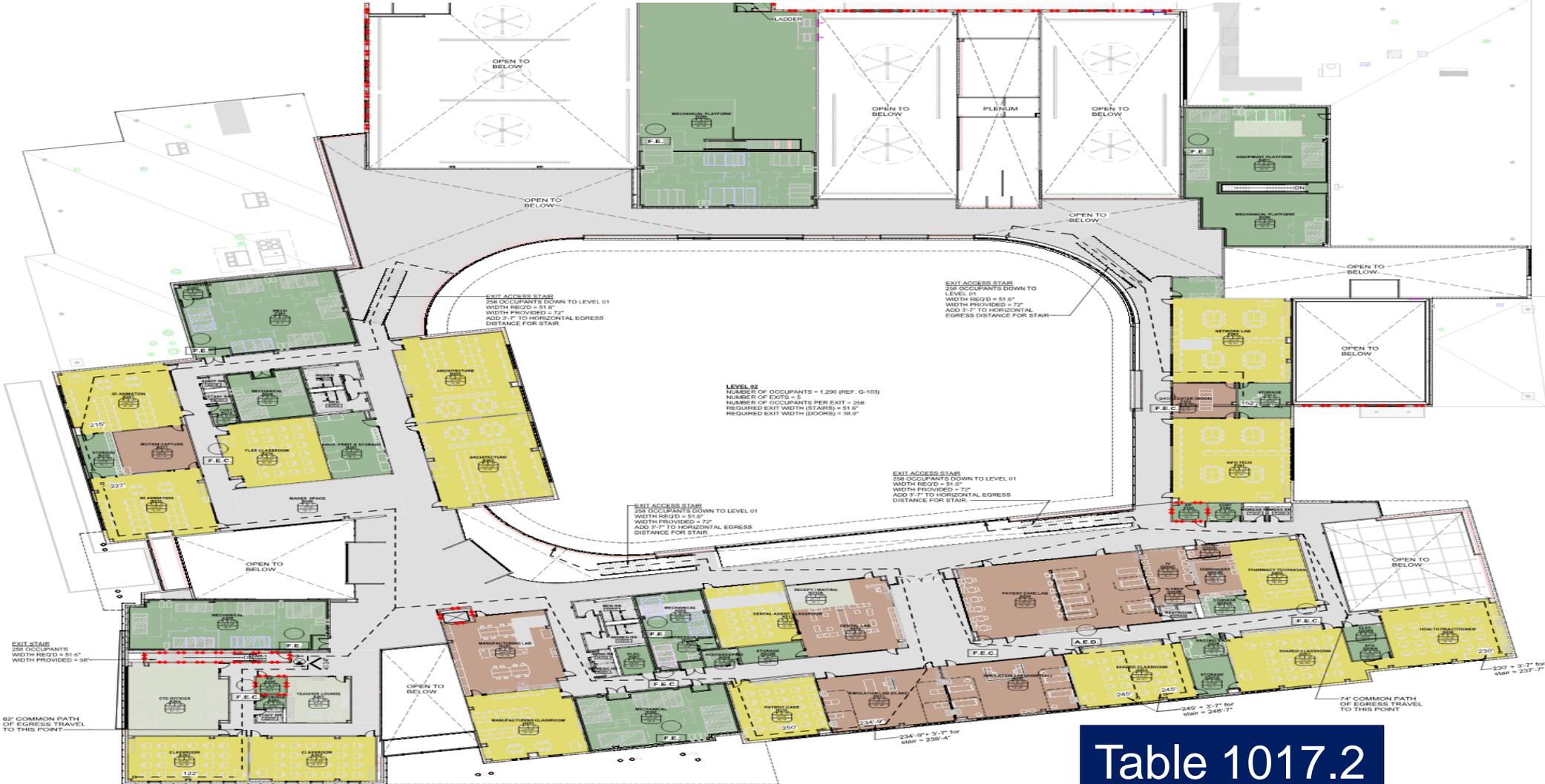


Table 1017.2

# TABLE 1017.2

## Exit Access Travel Distance

### MEANS OF EGRESS

**1017.2 Limitations.** *Exit access* travel distance shall not exceed the values given in Table 1017.2.

**TABLE 1017.2  
EXIT ACCESS TRAVEL DISTANCE"**

OCCUPANCY	WITHOUT SPRINKLER SYSTEM (feet)	WITH SPRINKLER SYSTEM (feet)
A, E, F-1, M, R, S-1	200°	250b
I-I	Not Permitted	250b
B	200	300'
F-2, S-2, U	300	400'
H-1	Not Permitted	75d
H-2	Not Permitted	100d
H-3	Not Permitted	150d
H-4	Not Permitted	175d
H-5	Not Permitted	200°
I-2, I-3	Not Permitted	200°
I-4	150	200'

For SI: 1 foot= 304.8 mm.

a. See the following sections for modifications to *exit access* travel distance requirements:

- Section 402.8: For the distance limitation in malls.
- Section 407.4: For the distance limitation in Group 1-2.
- Sections 408.6.1 and 408.8.1: For the distance limitations in Group 1-3.
- Section 411.2: For the distance limitation in special amusement areas.
- Section 412.6: For the distance limitations in aircraft manufacturing facilities.
- Section 1006.2.2.2: For the distance limitation in refrigeration machinery rooms.
- Section 1006.2.2.3: For the distance limitation in refrigerated rooms and spaces.
- Section 1006.3.4: For buildings with one exit.
- Section 1017.2.2: For increased distance limitation in Groups F-1 and S-1.
- Section 1030.7: For increased limitation in assembly seating.
- Section 3103.4: For temporary structures.
- Section 3104.9: For pedestrian walkways.

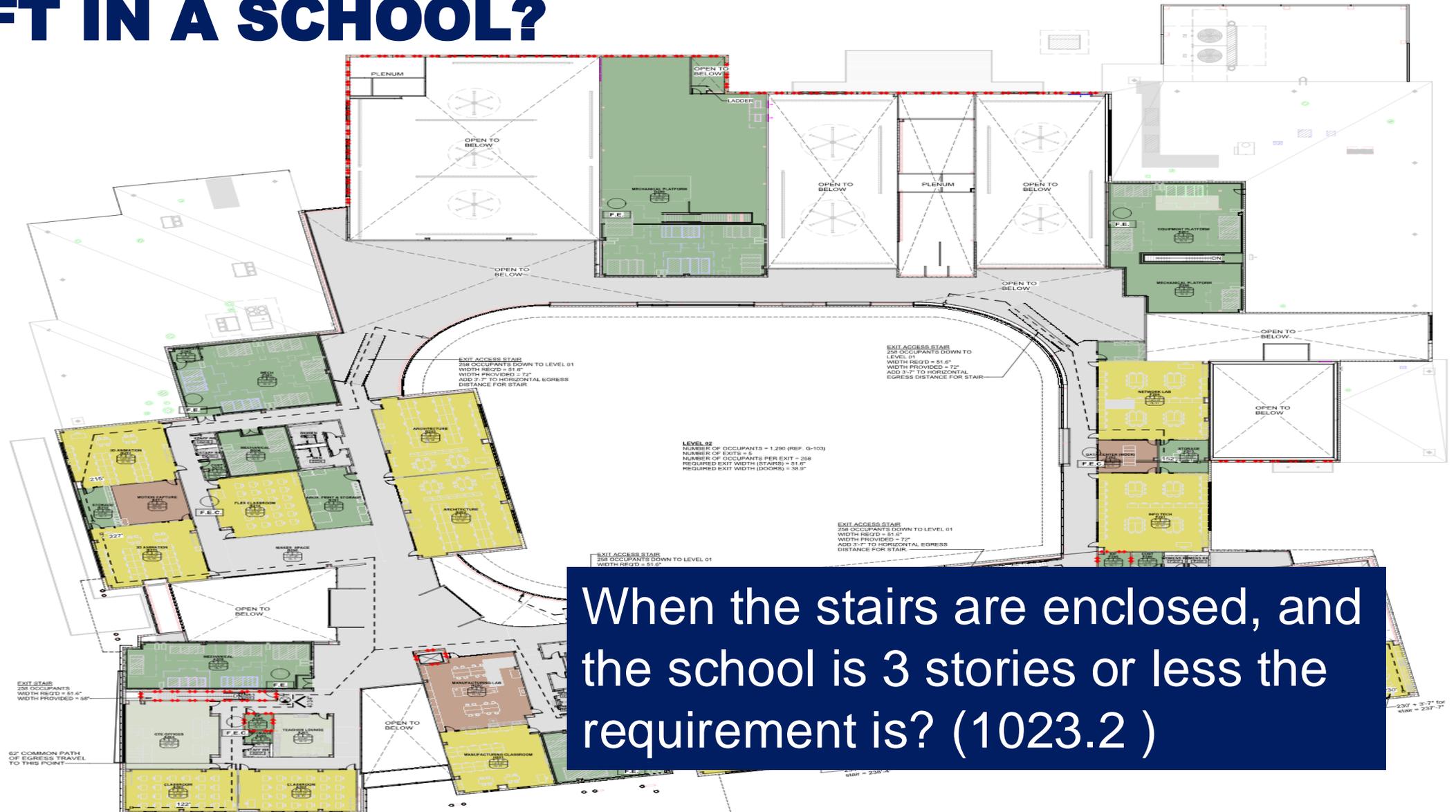
b. Buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2. See Section 903 for occupancies where automatic sprinkler systems are permitted in accordance with Section 903.3.1.2.

c. Buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.

d. Group H occupancies equipped throughout with an automatic sprinkler system in accordance with Section 903.2.5.1.

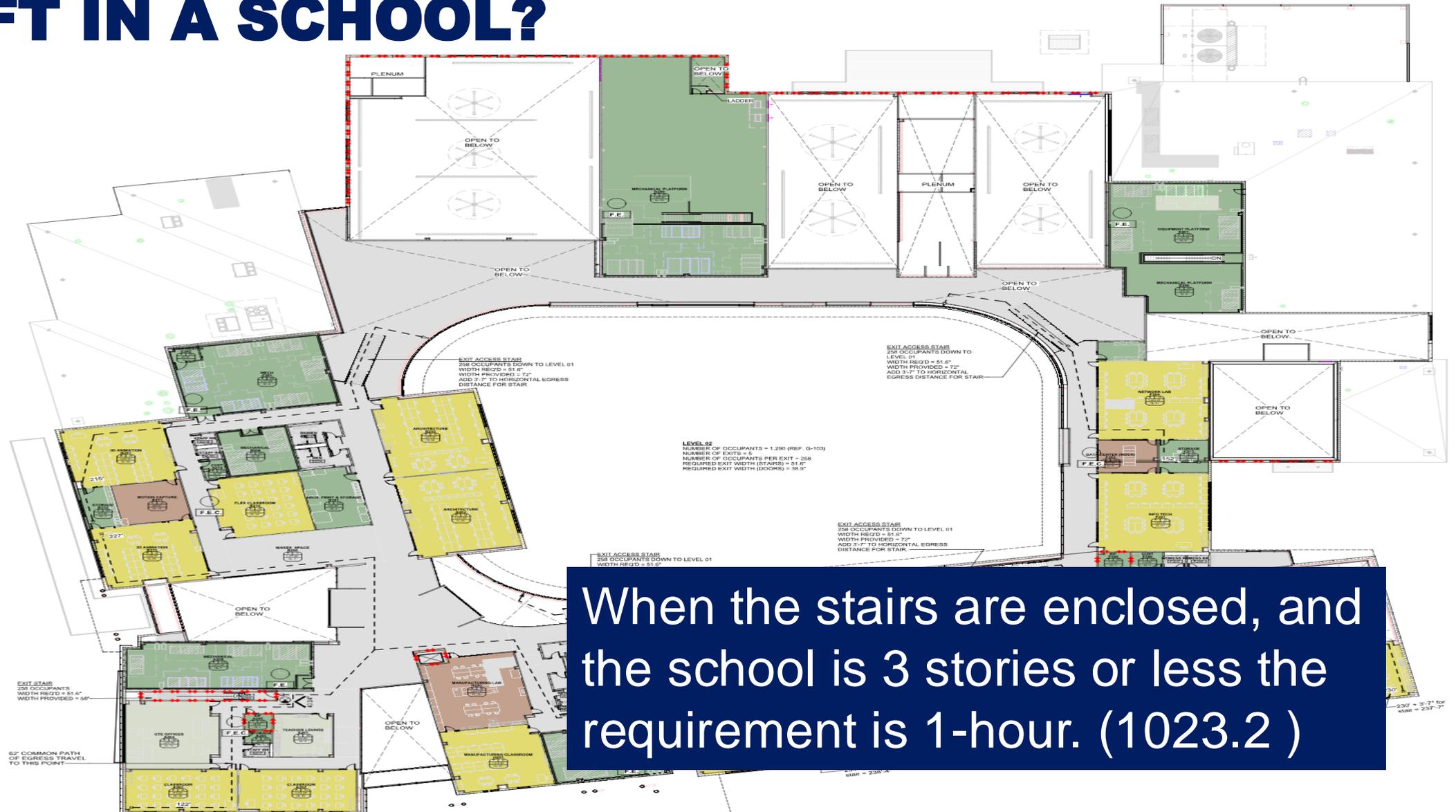
e. Group R-3 and R-4 buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.3. See Section 903.2.8 for occupancies where automatic sprinkler systems are permitted in accordance with Section 903.3.1.3.

# WHAT ARE THE REQUIREMENTS FOR THE STAIR SHAFT IN A SCHOOL?



When the stairs are enclosed, and the school is 3 stories or less the requirement is? (1023.2)

# WHAT ARE THE REQUIREMENTS FOR THE STAIR SHAFT IN A SCHOOL?

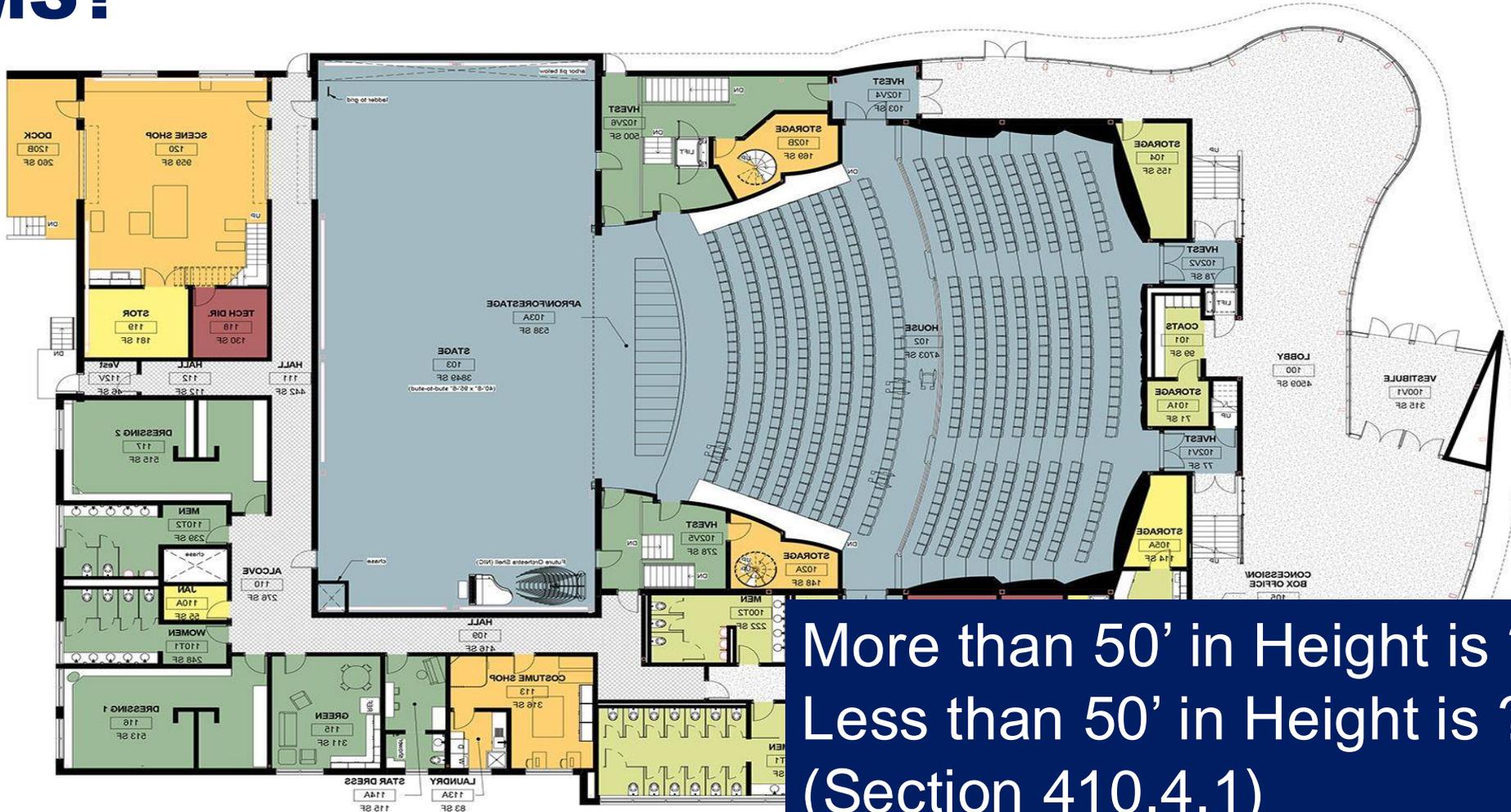


When the stairs are enclosed, and the school is 3 stories or less the requirement is 1-hour. (1023.2)

# SCHOOL AUDITORIUMS

Education Occupancy  
2021 International Building Code (IBC)

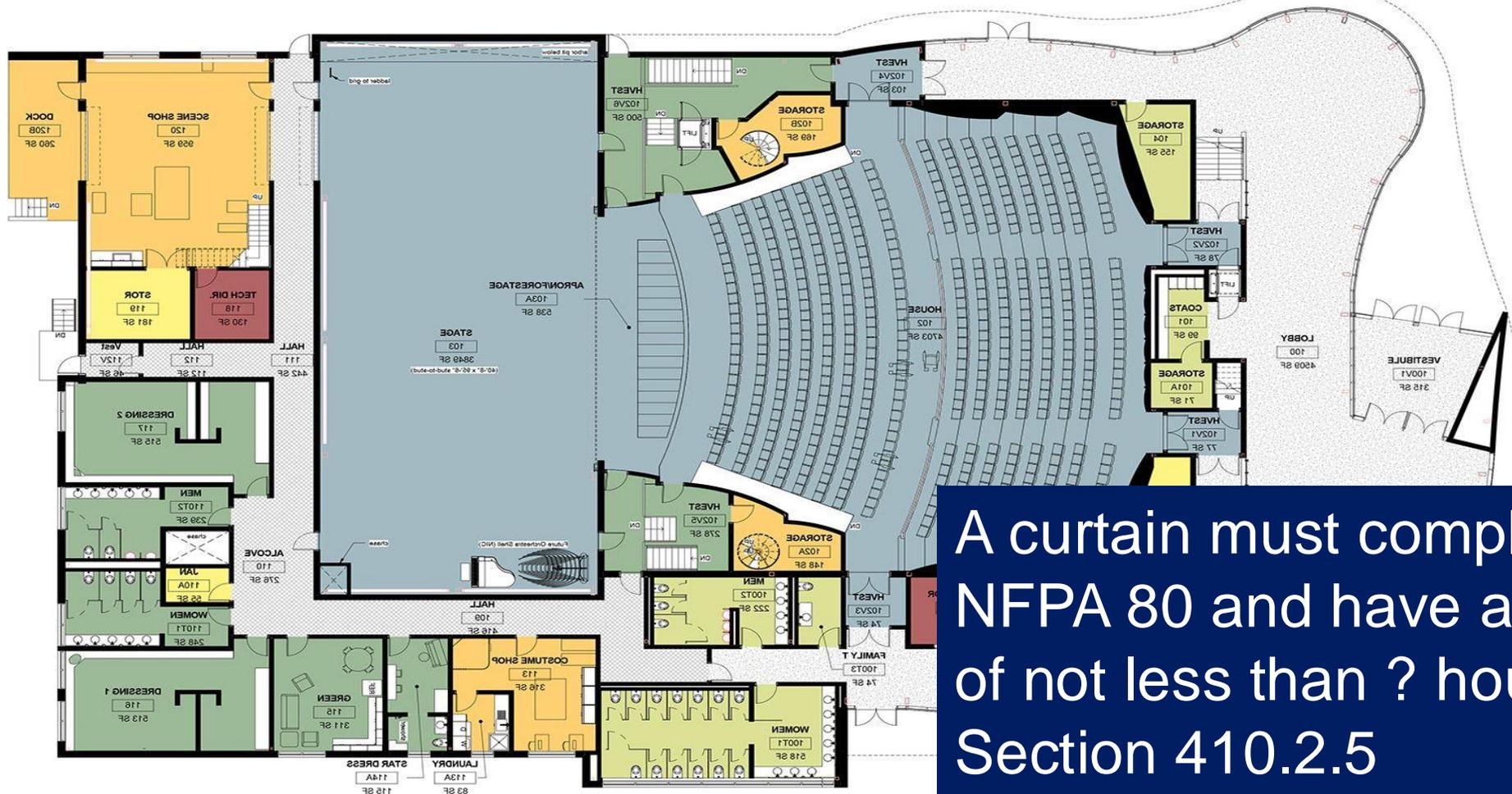
# WHAT ARE THE SEPARATION RATING REQUIREMENTS BETWEEN A STAGE AND OTHER ROOMS?



More than 50' in Height is ?-hour  
Less than 50' in Height is ?-hour.  
(Section 410.4.1)

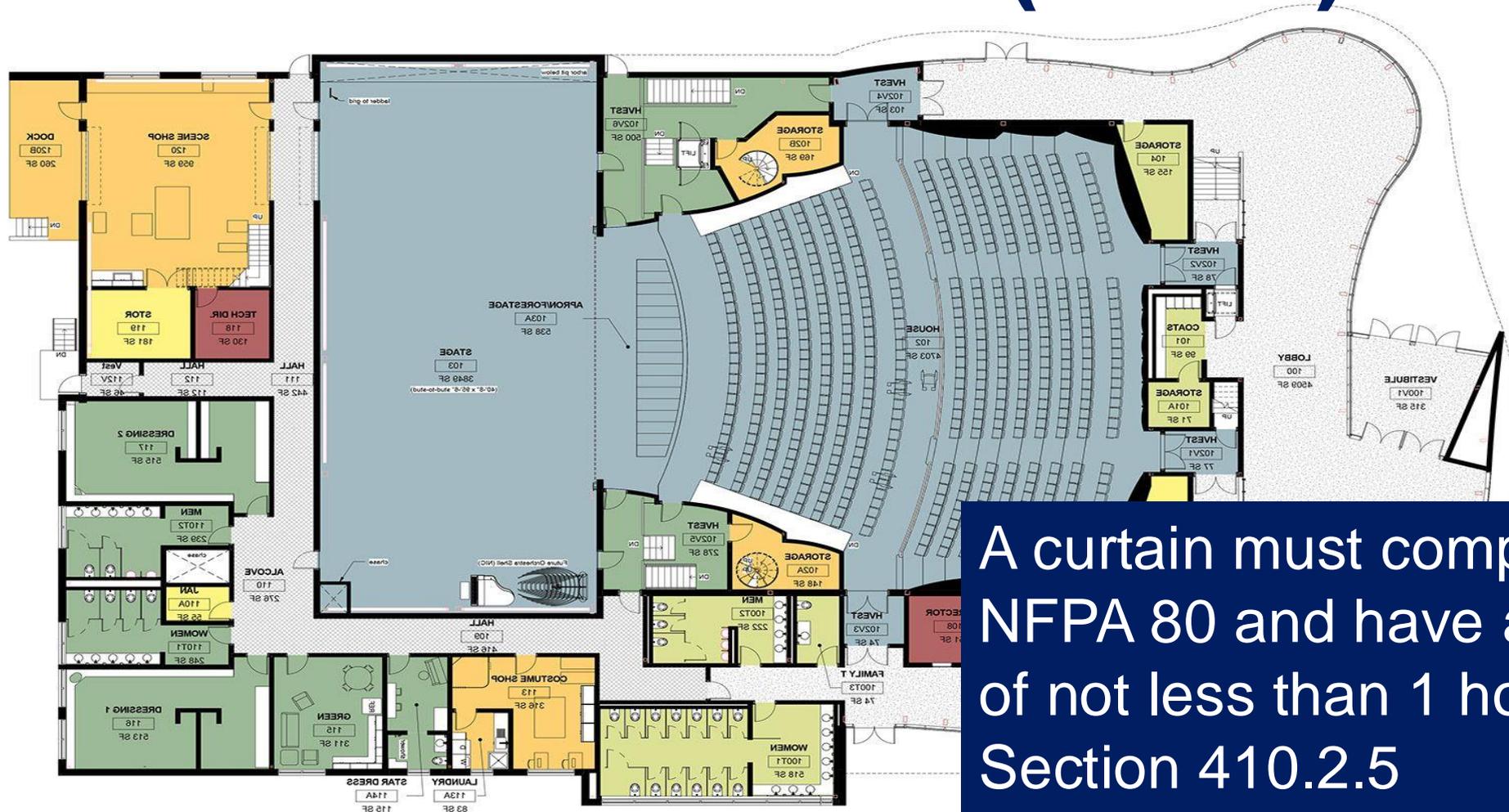


# WHAT ARE THE REQUIREMENTS FOR A PROSCENIUM CURTAIN LOCATED AT A STAGE GREATER THEN 50 FEET HIGH (410.2.4)



A curtain must comply with NFPA 80 and have a rating of not less than ? hour. Section 410.2.5

# WHAT ARE THE REQUIREMENTS FOR A PROSCENIUM CURTAIN LOCATED AT A STAGE GREATER THEN 50 FEET HIGH (410.2.4)



A curtain must comply with NFPA 80 and have a rating of not less than 1 hour. Section 410.2.5

# INTERNATIONAL BUILDING CODE (IBC) – 410.2.5

## Proscenium Curtain

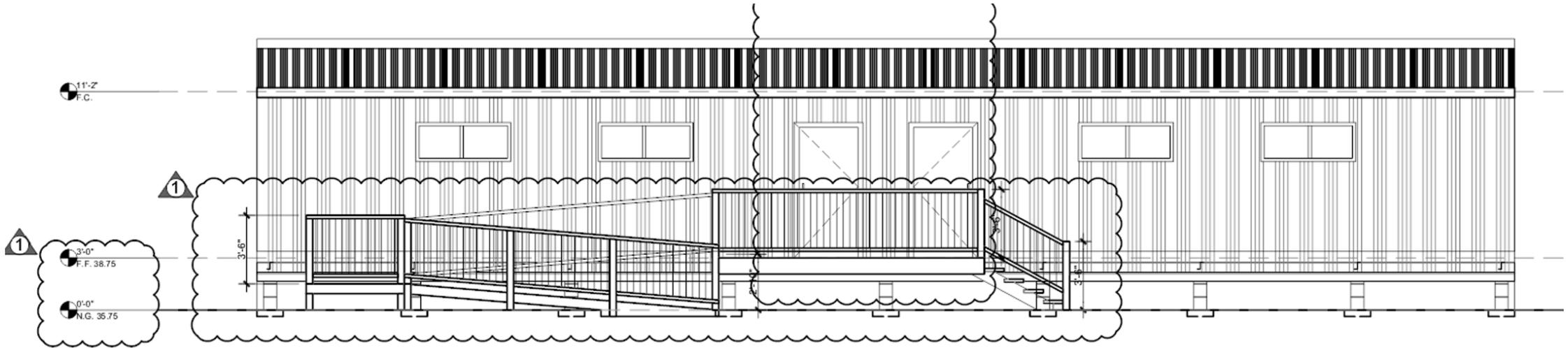
**5. Proscenium curtain.** Where a *proscenium wall* is required to have a *fire-resistance rating*, the *stage opening* shall be provided with a fire curtain complying with NFPA 80, horizontal sliding doors complying with Section 716 having a *fire protection rating* of not less than 1 hour, or an *approved* water curtain complying with Section 903.3.1.1 or, in facilities not utilizing the provisions of *smoke-protected assembly seating* in accordance with Section 1030.6.2, a smoke control system complying with Section 909 or natural *ventilation* designed to maintain the smoke level not less than 6 feet (1829 mm) above the floor of the *means of egress*.

**6. Scenery.** Combustible materials used in sets and scenery shall meet the fire propagation performance criteria of Test Method 1 or Test Method 2, as appropriate, of NFPA 70 I, in accordance with Section 806 and the *International Fire Code*. Foam plastics and materials containing foam plastics shall comply with Section 2603 and the *International Fire Code*.

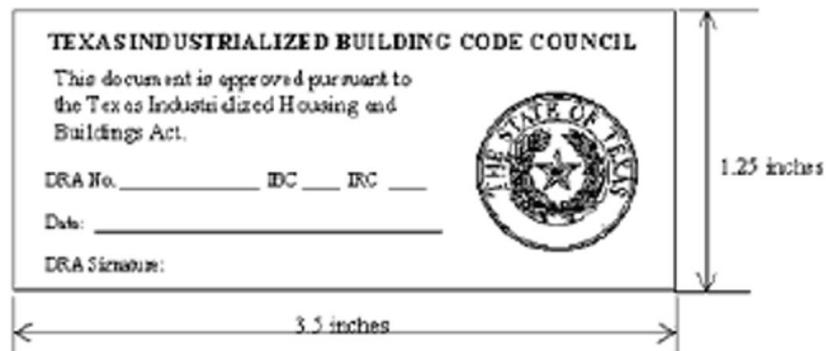
# **SCHOOL MODULAR BUILDINGS**

Education Occupancy  
2021 International Building Code (IBC)

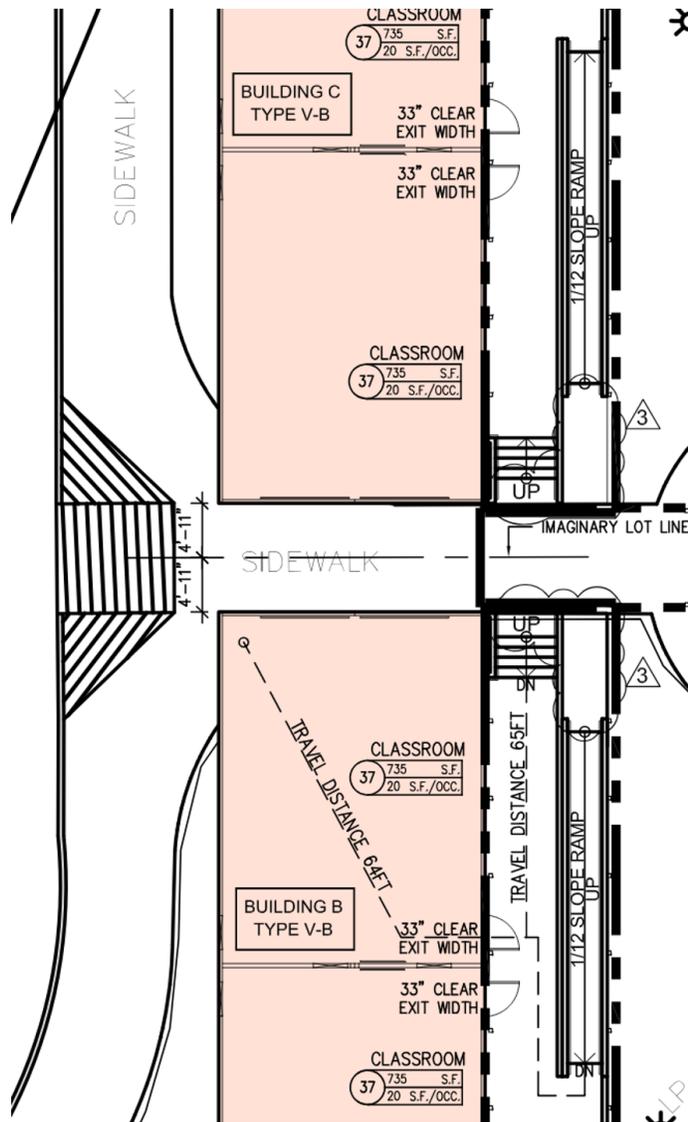
# WHAT IS REQUIRED FOR MODULAR BUILDING CLASSROOMS?



## COUNCIL STAMPS OF APPROVAL



Must be approved by the Texas Industrialized Building Code Council as an E Classification.

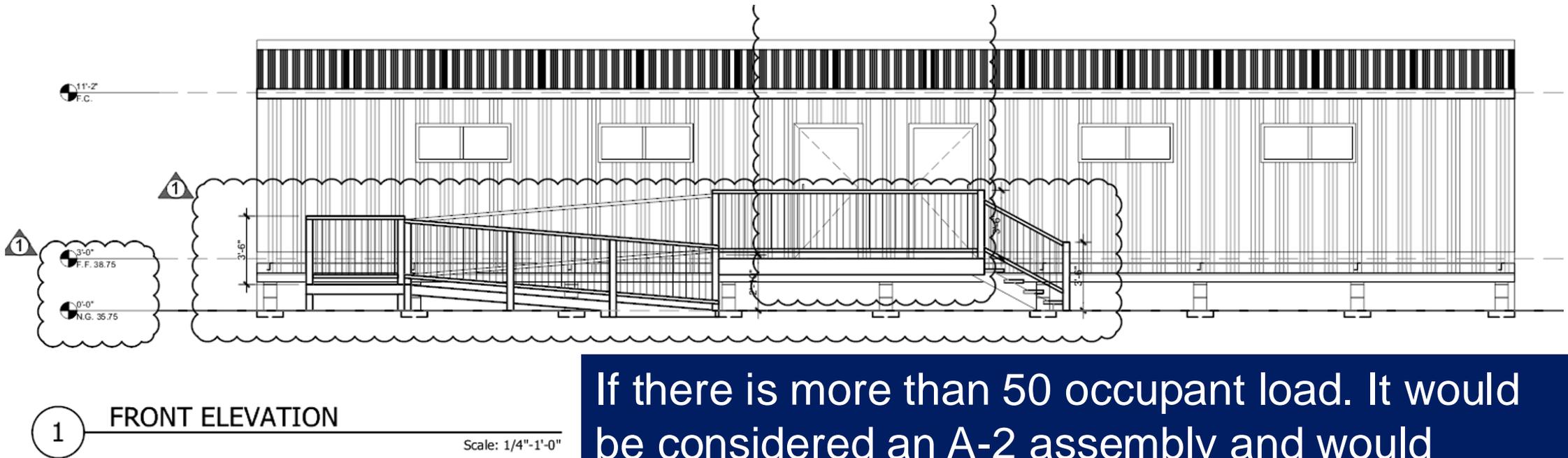


# DO THESE 2 BUILDINGS QUALIFY AS SEPARATE BUILDINGS, OR ARE THEY CONSIDERED AS A PORTION OF ONE BUILDING?

Both with conditions:

- The distance between is 9' 10".
- Required separation is 10'0" for each building.
- If a 1-hour fire-rated wall is placed on each exterior wall, they are separate.
- They can be considered one building (permitted as 2 with no separation requirements). (503.1.2)

# WHAT WOULD BE REQUIRED IF A MODULAR BUILDING IS USED AS A CAFETERIA?

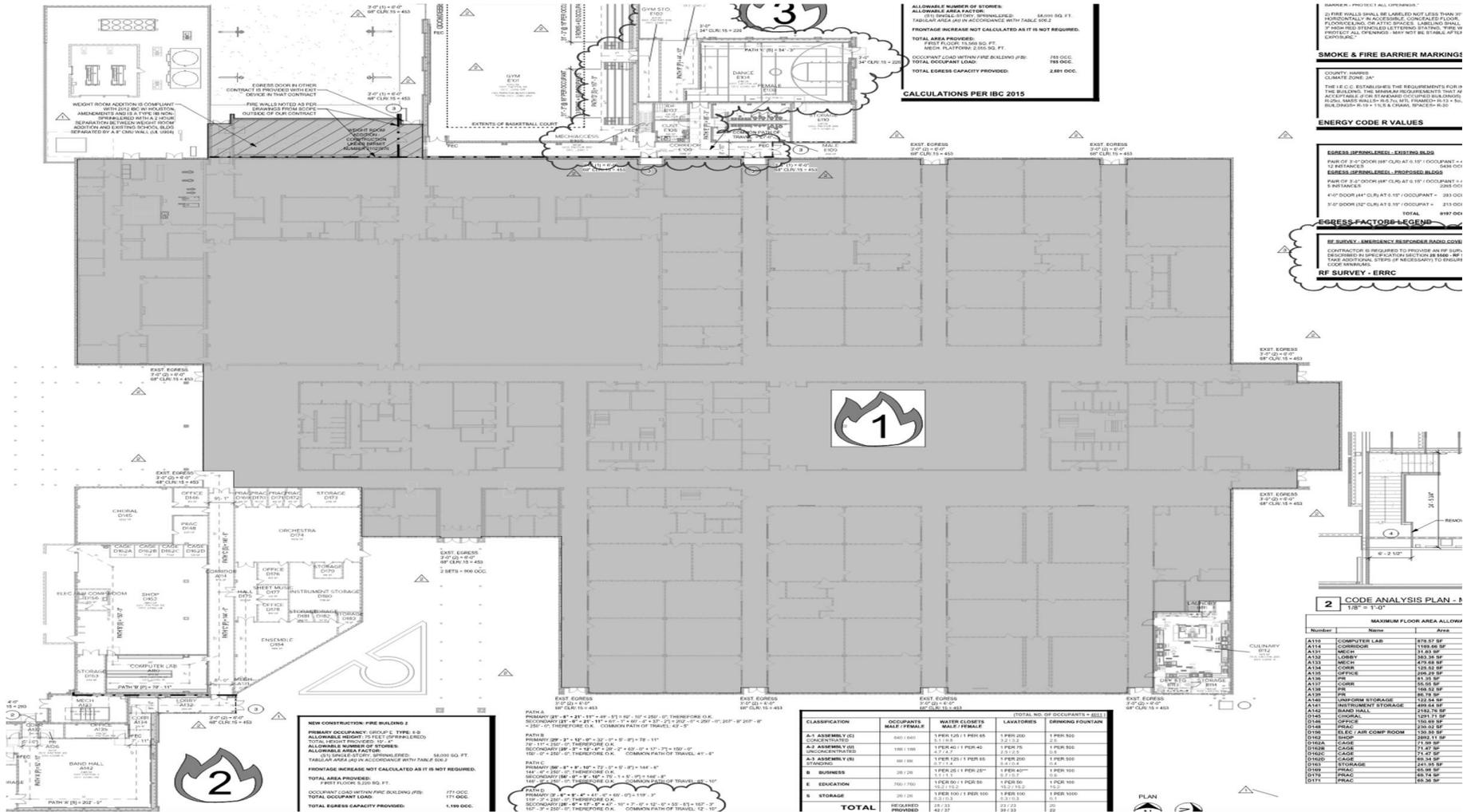


If there is more than 50 occupant load. It would be considered an A-2 assembly and would require two exits. If this is an E classification, then the Texas Industrialized Building Code Council would have to reclassify it as an A-2 and reseal the plans.

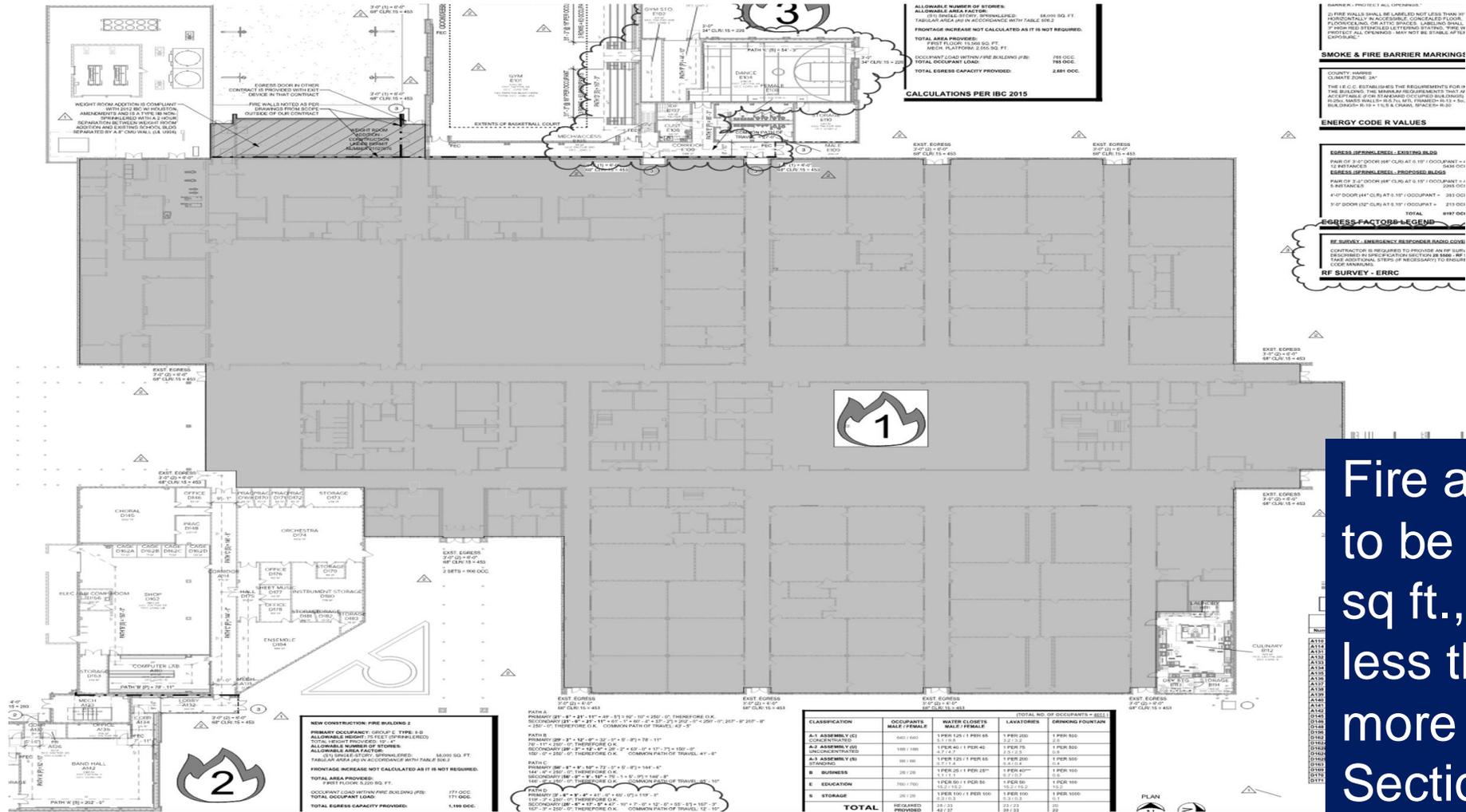
# LIFE SAFETY FOR SCHOOLS

Education Occupancy  
2021 International Building Code (IBC)

# IF YOU DO NOT WANT TO SPRINKLE THIS SPACE, WHAT WOULD BE REQUIRED?



# IF YOU DO NOT WANT TO SPRINKLE THIS SPACE, WHAT WOULD BE REQUIRED?



Fire area would have to be less than 12,000 sq ft., occupant load less than 300, and not more than one story. Section 903.2.3

# DAYCARE CLASSIFICATIONS

Education Assemblies | Institutional Occupancies  
2021 International Building Code (IBC)

# PRESENTATION OVERVIEW

- Occupancy Classification
- Construction Types
- Separated and
- Non-Separated Use
- Change of Use



# DAYCARE AND TRAINING & SKILL DEVELOPMENT

## City of Houston Plan Review



# TRAINING AND SKILL DEVELOPMENT OCCUPANCY CLASSROOM



ONE ON ONE  
TUTORING.

# A DAYCARE WITH MORE THAN 100 CHILDREN OF THE AGE OF 3 WHO RECEIVE PERSONAL CARE SERVICES FOR FEWER THAN 12 HOURS PER DAY IS WHAT CLASSIFICATION?



GROUP ? AS  
PER SECTION  
305.2

# A DAYCARE WITH MORE THAN 100 CHILDREN OF THE AGE OF 3 WHO RECEIVE PERSONAL CARE SERVICES FOR FEWER THAN 12 HOURS PER DAY IS WHAT CLASSIFICATION?



GROUP E AS  
PER SECTION  
305.2

# TRAINING AND SKILL DEVELOPMENT THAT IS NOT IN A SCHOOL OR ACADEMIC PROGRAM IS CONSIDERED AS WHAT TYPE OF OCCUPANCY?

(tutoring centers, martial arts studios, gymnastics, and similar uses regardless of the ages served, and where not classified as a Group A occupancy)



GROUP ? AS  
PER SECTION  
304.1

# TRAINING AND SKILL DEVELOPMENT THAT IS NOT IN A SCHOOL OR ACADEMIC PROGRAM IS CONSIDERED AS WHAT TYPE OF OCCUPANCY?

(tutoring centers, martial arts studios, gymnastics, and similar uses regardless of the ages served, and where not classified as a Group A occupancy)



**GROUP B AS  
PER SECTION  
304.1**

# TRAINING AND SKILL DEVELOPMENT OCCUPANCY CLASSROOM

February 11, 2015

Re: Bee Behavior Center – 2929 Catchem Rd Houston, TX 77081

To City of Houston Plan Reviewers:

Bee Behavior Center is a provider of behavior analysis. We have found the necessity for our service in the community. We are committed to the treatment of children using empirically validated methods and strategies to assist each child in reaching his or her greatest potential and improving their quality of life. BBC therapy can help make improvements in verbal and nonverbal communication, life skills, and behavioral changes. We already have an operating location in Plano.

Bee Behavior Center is a provider of children who require addition attention in all our locations through intensive one-on-one sessions that focus on the specific developmental needs of each child. Our therapy programs for autism tend to be better overall for both children and parents than home-based programs. The Board-Certified Behavior Analysts (BCBAs) conduct in-depth assessments of our patient's abilities and needs at the beginning of the therapy process, and the areas that need development are addressed through individualized behavior programs and individual lessons. Each lesson is implemented by a behavior therapist and focused on a specific skill for maximum progress.

With a daily schedule structured more like a typical school day, as well as more opportunity for social interaction and generalization of skills, our centers offer a well-rounded path to success. Parents also benefit through our highly structured parent training program, which leads to increased parental resilience and satisfaction with disability support. Through this systematic and focused approach, children with significant developmental deficiencies can make significant strides. Each child has their own licensed therapist that works with them on a one or one regular basis and the child is never left unattended. The therapist is with the child 100% of the time, even when the parents are there to observe and learn techniques to continue with the therapy at home. Every autistic child requires specialized therapy and the amount of time that they are there depends on the child. Our clients who range from 18 month to 7 years old and our operating hours are Monday through Friday from 8:00 a.m. to 5:00 p.m. We are not a daycare nor an institutional facility. No medical staff or medical equipment are in the premise.

The Craft Therapy room is for the children is for children to do arts and crafts in. We do not prepare, serve, or have any satellite feeding. Our premise does not have any vending machines or provide snacks. The children only eat snacks that they personally brought from their own home. Any sink located in the Craft Therapy Room is utilized for hand washing only. In addition, we do not have any industrial waste anywhere in the premise.

Respectfully submitted,

# A DAYCARE FOR ANY AGE THAT OCCUPIES MORE THAN 5 PERSONS FOR FEWER THAN 24 HOURS IS WHAT CLASSIFICATION?



? AS PER  
SECTION 308.5

# A DAYCARE FOR ANY AGE THAT OCCUPIES MORE THAN 5 PERSONS FOR FEWER THAN 24 HOURS IS WHAT CLASSIFICATION?



I-4 AS PER  
SECTION 308.5

**308.5 Institutional Group 1-4, day care facilities.** Institutional Group 1-4 occupancy shall include buildings and structures occupied by more than five persons of any age who receive *custodial care* for fewer than 24 hours per day by persons other than parents or guardians; relatives by blood, marriage or adoption; and in a place other than the home of the person cared for. This group shall include, but not be limited to, the following:  
Adult daycare  
Child day

**A DAYCARE THAT OCCUPIES MORE THAN 5 BUT NOT MORE THAN 100 CHILDREN 2 ½ YEARS OR LESS OF AGE LOCATED ON THE LEVEL OF EXIT DISCHARGE AND HAS AN EXIT DOOR DIRECTLY TO THE EXTERIOR IS WHAT TYPE OF OCCUPANCY?**



**GROUP ? AS PER SECTION 308.5.1**

**A DAYCARE THAT OCCUPIES MORE THAN 5 BUT NOT MORE THAN 100 CHILDREN 2 ½ YEARS OR LESS OF AGE LOCATED ON THE LEVEL OF EXIT DISCHARGE AND HAS AN EXIT DOOR DIRECTLY TO THE EXTERIOR IS WHAT TYPE OF OCCUPANCY?**



**GROUP E AS PER SECTION 308.5.1**

# A DAYCARE ON A 24-HOUR BASIS WITH 14 PERSONS AND 5 STAFF MEMBERS IS CLASSIFIED AS WHAT GROUP?



GROUP ? AS  
PER SECTION  
310.5

# A DAYCARE ON A 24-HOUR BASIS WITH 14 PERSONS AND 5 STAFF MEMBERS IS CLASSIFIED AS WHAT GROUP?



GROUP R-4 AS  
PER SECTION  
310.5

# Form CE-1108

**PURPOSE**

To assist in correctly identifying the intended occupancy Group of care facilities, the facility owner shall provide a completed, sign and notarized worksheet with all applications submitted for building permit, plan review, or occupancy inspection. The completed worksheet must be included each time construction documents are submitted for plan review. This document is intended to reduce plan review time and the possibility of unnecessary correction comments due to an incorrect occupancy Group classification by providing plan analysts with essential data needed to correctly classify a facility. This worksheet is required for all care facilities including, but not limited to; Day Care Centers, Pre-Schools, Kindergartens, Middle and High Schools, Congregate Living Facilities, all Shelters, Nursing Homes, and Assisted Living Facilities.

**PART 1 – PROPOSED FACILITY INFORMATION**

<b>City Project No.</b>		<b>Date:</b>	
Business Name		Contact Phone (Include Area Code) ( )	
Address (Street, Suite, City, State, ZIP)		County	
<input type="checkbox"/> Care Facility for (< 24hr Care)	<input type="checkbox"/> Care Facility for (≥ 24hr Care)	<input type="checkbox"/> Pre-K and/or Kindergarten	<input type="checkbox"/> Middle or High School <input type="checkbox"/> Shelter/Congregate Living Facility

**PART 2 – WORKSHEET CHECKLIST (PROVIDE ALL INFORMATION REQUESTED)**

<input type="checkbox"/> Facility Information	<input type="checkbox"/> Plan of Care	<input type="checkbox"/> Age Groups of Attendees	<input type="checkbox"/> Hours of Operation
<input type="checkbox"/> Bldg. and/or Space Usage (Including Enclosed Outdoor Areas)	<input type="checkbox"/> Owner Signature & Date.	<input type="checkbox"/> Prerequisite Checklist Submittal Package, With Labeled Site Plan; Architectural and M.E.P. Floor Plans and Room Uses Clearly Labeled.	

**PART 3 – PROPOSED FACILITY PLAN OF CARE**

**(1) Plan of Care Information:** Provide specific information to clearly identify the proposed care intended.

(a) Identify the intended number of persons present in each age group listed (Not counting staff members), and identify the total time care is provided:

	Occupants Present	< 24 hrs. (Yes/No)	≥ 24 hrs. (Yes/No)
Number of infants and youths in supervised care ≤ 2 ½ years of age.			
Number of youths in supervised care > 2 ½ years of age but < 16 years of age.			
Number of emancipated youths or adults in supervised care ≥ 16 years of age.			
Number of youths and/or adults with mental or physical disabilities.			
Number of youths or adults incapable of self-preservation.			
<b>Total Occupant Load (Excluding Staff)</b>			

(b) Identify the intended hours, days, and months of operation for the proposed facility:

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Hours of Operation AM							
Hours of Operation PM							
Days of Operation.							
Months of Operation.							

# Form CE-1108

## Continued

	Yes/No	Total Occ.
(1) Does the facility provide any assistance with day-to-day living tasks for occupants? Such as, but not limited to; cooking, the dispensing of medications (prescription or over the counter), bathing, using toilet facilities, laundry, transportation needs, assistance with purchasing of food, clothing, other personal hygiene supplies, etc.	Yes	63 ADD
(2) Is medical care provided to occupants within the facility?	No	
(3) Are any occupant's <i>incapable of self-preservation</i> <sup>1</sup> as defined in the Houston Building Code?	Yes	63 ADD
(4) Do any occupants need limited verbal or physical assistance evacuating during an emergency?	Yes	63 ADD
(5) Is <i>custodial care</i> <sup>2</sup> provided to accompanied youths ≤ 2 ½ years of age?	No	
(6) Is <i>custodial care</i> <sup>2</sup> provided to <i>unaccompanied</i> <sup>3</sup> youths ≤ 2 ½ years of age?	Yes	63 ADD
(7) Is <i>custodial care</i> <sup>2</sup> provided to accompanied youths > 2 ½ years but < 16 years of age?	No	
Is <i>custodial care</i> <sup>2</sup> provided to <i>unaccompanied</i> <sup>3</sup> youths > 2 ½ years but < 16 years of age?	Yes	

**Footnotes:**

**1 INCAPABLE OF SELF-PRESERVATION.** Persons because of age, physical limitations, mental limitations, chemical dependency, or medical treatment who cannot respond as an individual to an emergency situation.

**2 CUSTODIAL CARE.** Assistance with day-to-day living tasks; such as assistance with cooking, taking medication, bathing, using toilet facilities and other tasks of daily living. Custodial care includes persons receiving care who evacuate at a slower rate and/or who have mental and psychiatric complications.

**3 UNACCOMPANIED YOUTH.** A youth < 16 years of age who is unaccompanied by a parent, court appointed guardian, or an adult relative by blood, marriage or adoption.

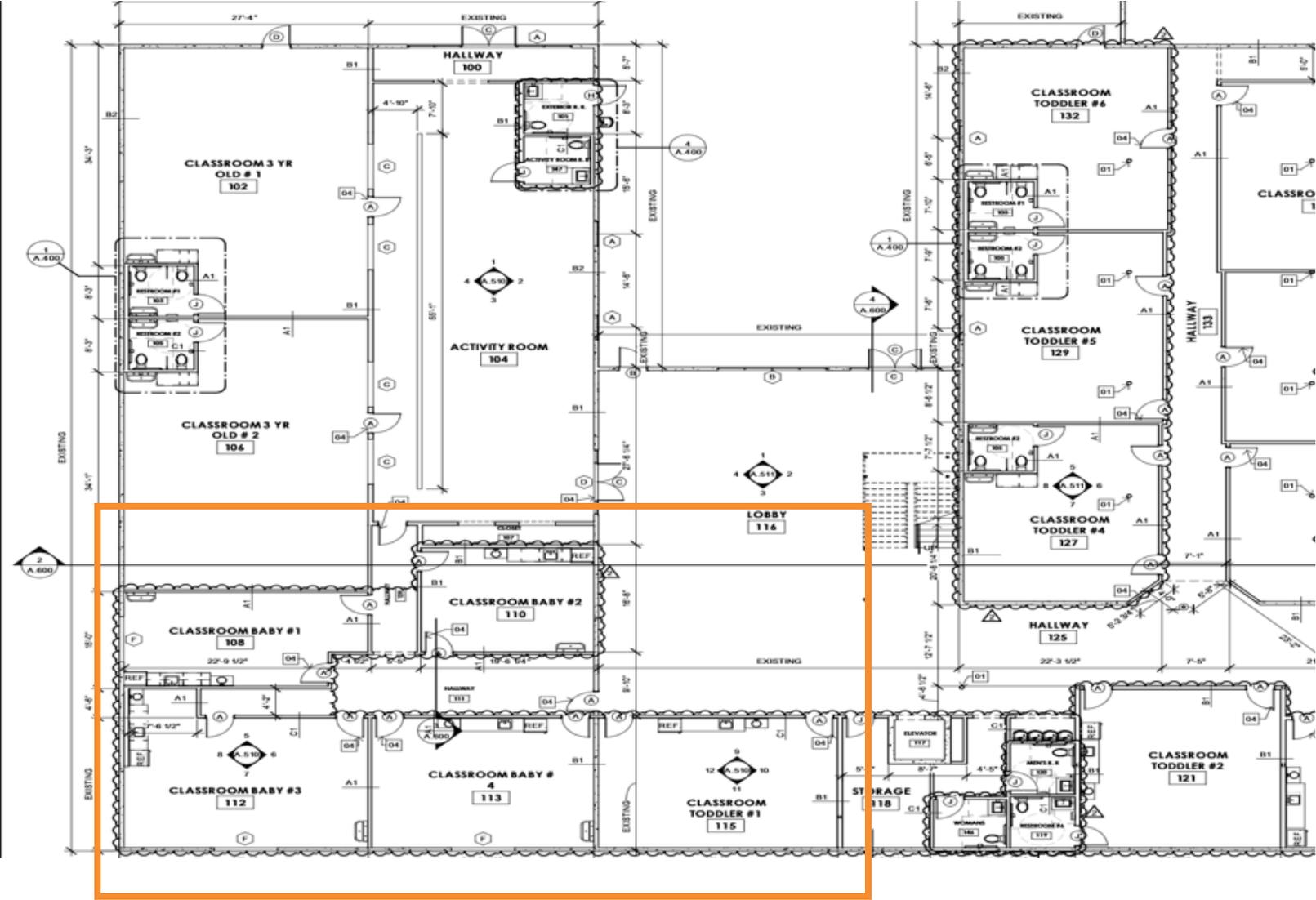
**PART 4 – PROPOSED BUILDING AND/OR SPACE USAGE PLAN**

(1) **Building Usage:** Using the indoor and outdoor space plans provided in the submitted plans, identify the age groups of children to be assigned to each room. Identify the use of each room and identify multi-usages of each room or area when applicable. For multi-use areas (such as playgrounds and assembly areas), indicate all uses of each area.

Room Number	Age Group of Occupants Present	No. of Occupants Present	Staff Present	Proposed Primary Room Use or Activity	Hours of Use
16	2.5-3YRS	32	2	CLASSROOM	7A-6P
17	2.5-3YRS	31	2	CLASSROOM	7A-6P
ACT	3-5YRS	32	2-4	ACTIVITY SPACE DANCE, MUSIC (VOCATIONAL USE)	7A-6P
1	INFANT	13		EXIST. CLASSROOM	
2	INFANT	11		EXIST. CLASSROOM	
3	INFANT	10		EXIST. CLASSROOM	
4	1.0-2.0 YRS	14		EXIST. CLASSROOM	
5	1.0-2.0 YRS	15		EXIST. CLASSROOM	
6	1.0-2.5 YRS	14		EXIST. CLASSROOM	
7	1.0-2.5 YRS	14		EXIST. CLASSROOM	
8	2.5-3.0 YRS	15		EXIST. CLASSROOM	
9	2.5-3.0 YRS	15		EXIST. CLASSROOM	
10	2.5-3.0YRS	14		EXIST. CLASSROOM	
11	2.5-3.5 YRS	15		EXIST. CLASSROOM	
12	4.0 YRS	15		EXIST. CLASSROOM	
13	4.0 YRS	14		EXIST. CLASSROOM	
14	4.0 YRS	14		EXIST. CLASSROOM	
15	5.0 YRS	15		EXIST. CLASSROOM	
ACT	ADULT	32		THIS ROOM WILL BE REPURPOSED AS A STAFF MEETING SPACE	

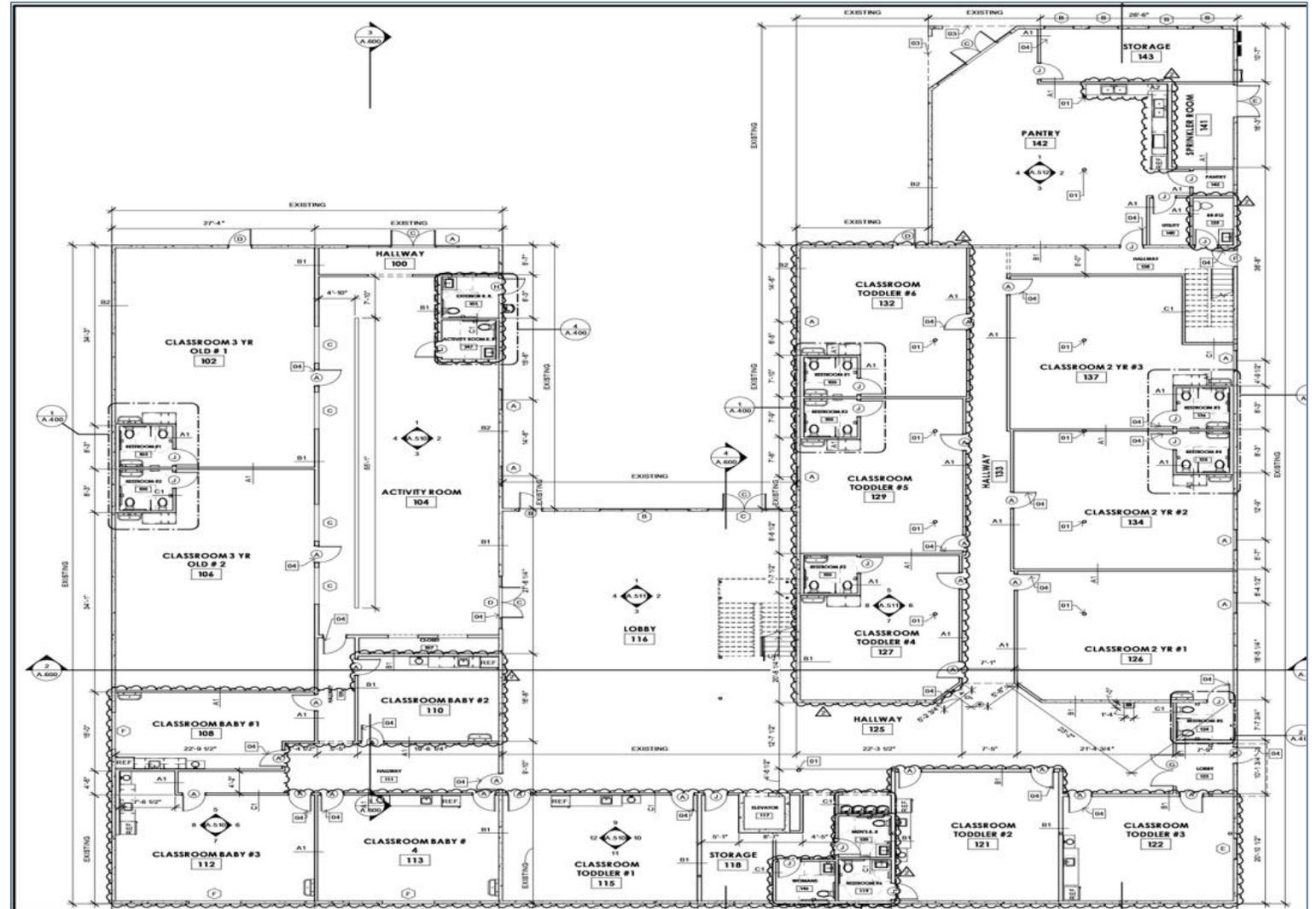
# CAN THIS SPACE BE CLASSIFIED AS AN E OCCUPANCY?

Note that the children are 2 ½ years and under and doors to the exterior requirements per 2021 IBC Section 308.5.1



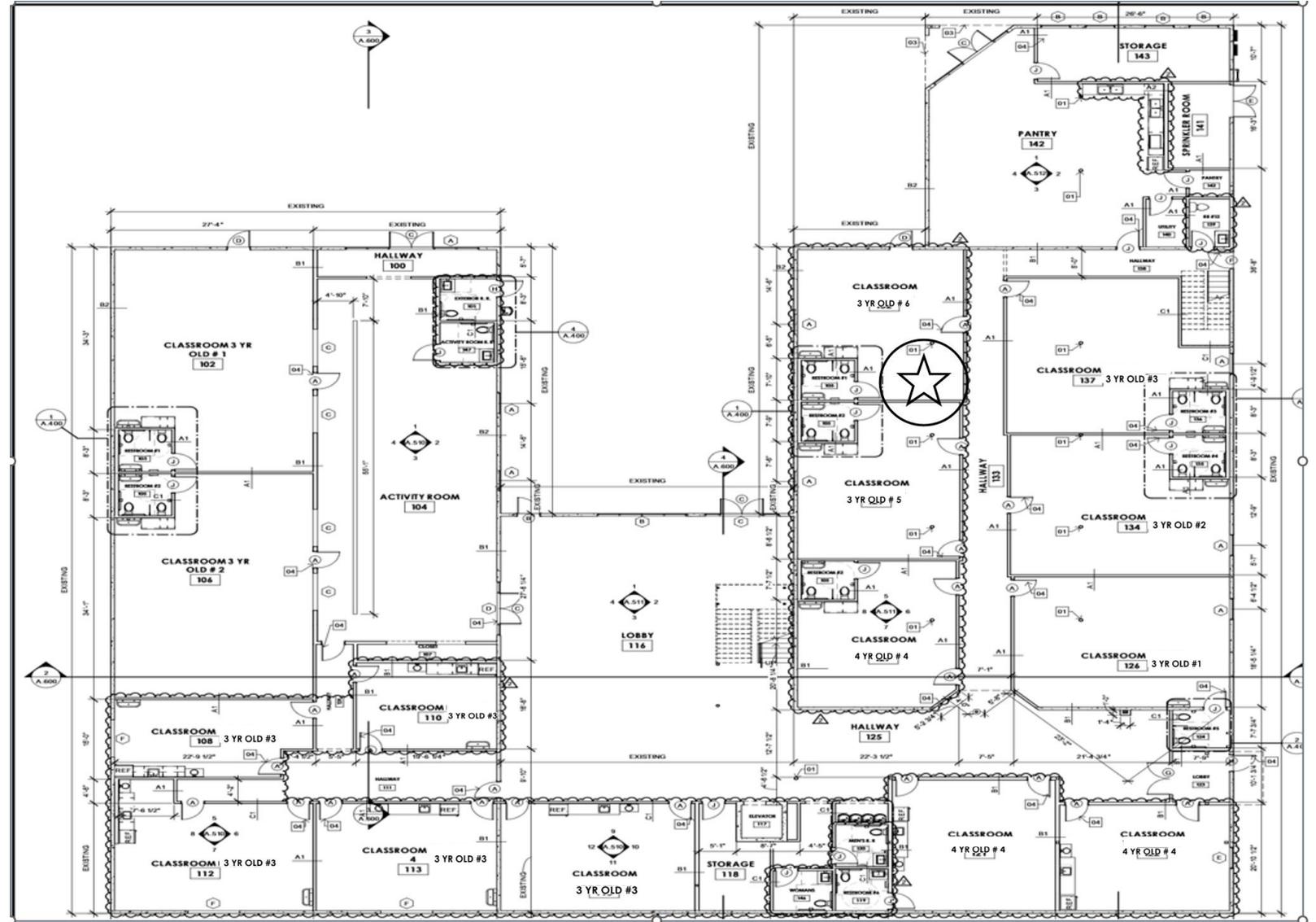
# CAN THIS SPACE BE CLASSIFIED AS AN E OCCUPANCY?

No! This space cannot be classified as an E, because the children are 2 ½ years and under and doors to the exterior requirements per 2021 IBC Section 308.5.1



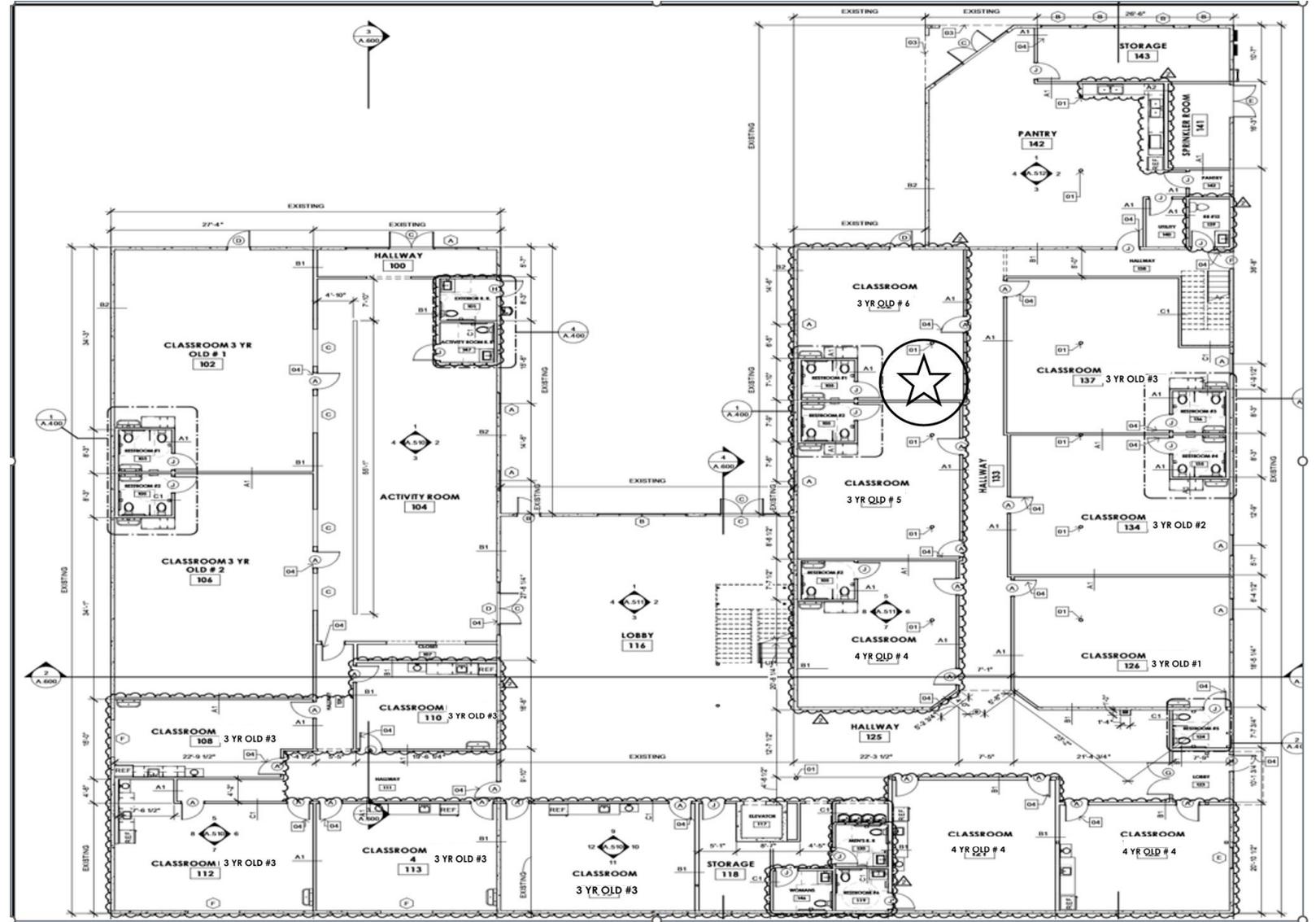
# CAN THIS SPACE BE CLASSIFIED AS AN E OCCUPANCY?

Yes or No? Note that all Children are 3 years or older

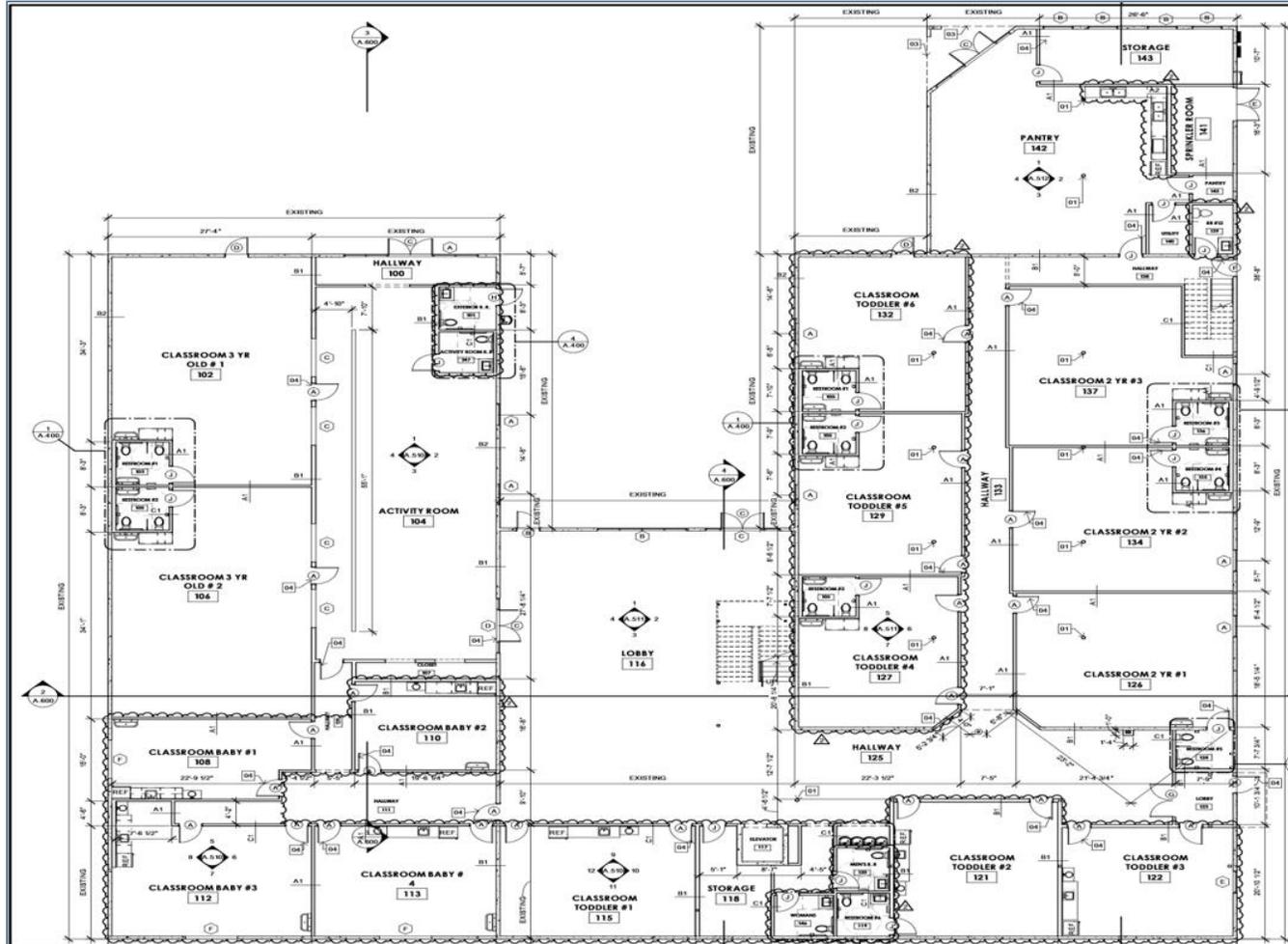


# CAN THIS SPACE BE CLASSIFIED AS AN E OCCUPANCY?

Yes!  
Because all Children  
are 3 years or older

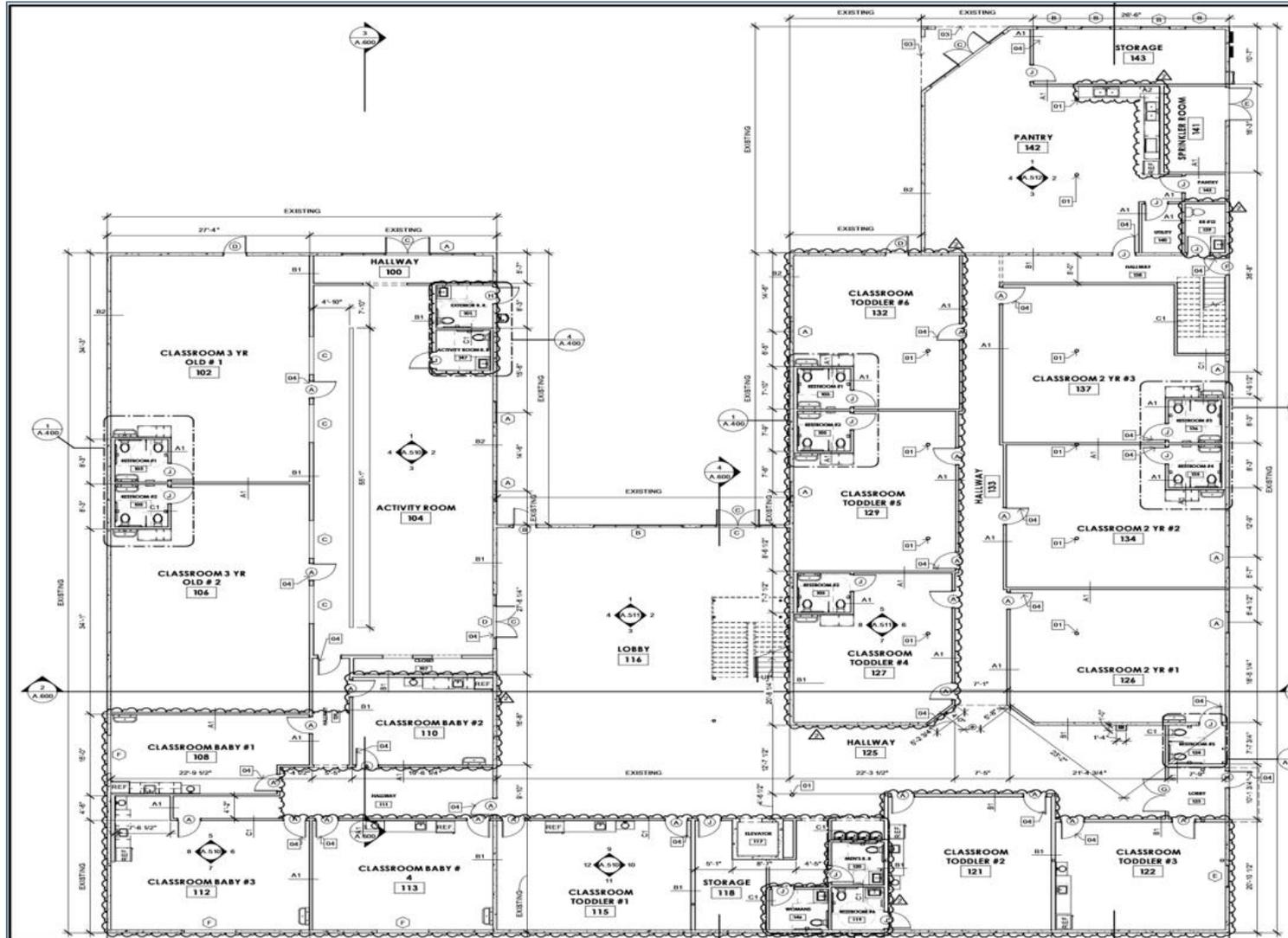


# WHAT IS THE OCCUPANCY CLASSIFICATION



if this Daycare is open from 6:00 am to 5:00 pm?

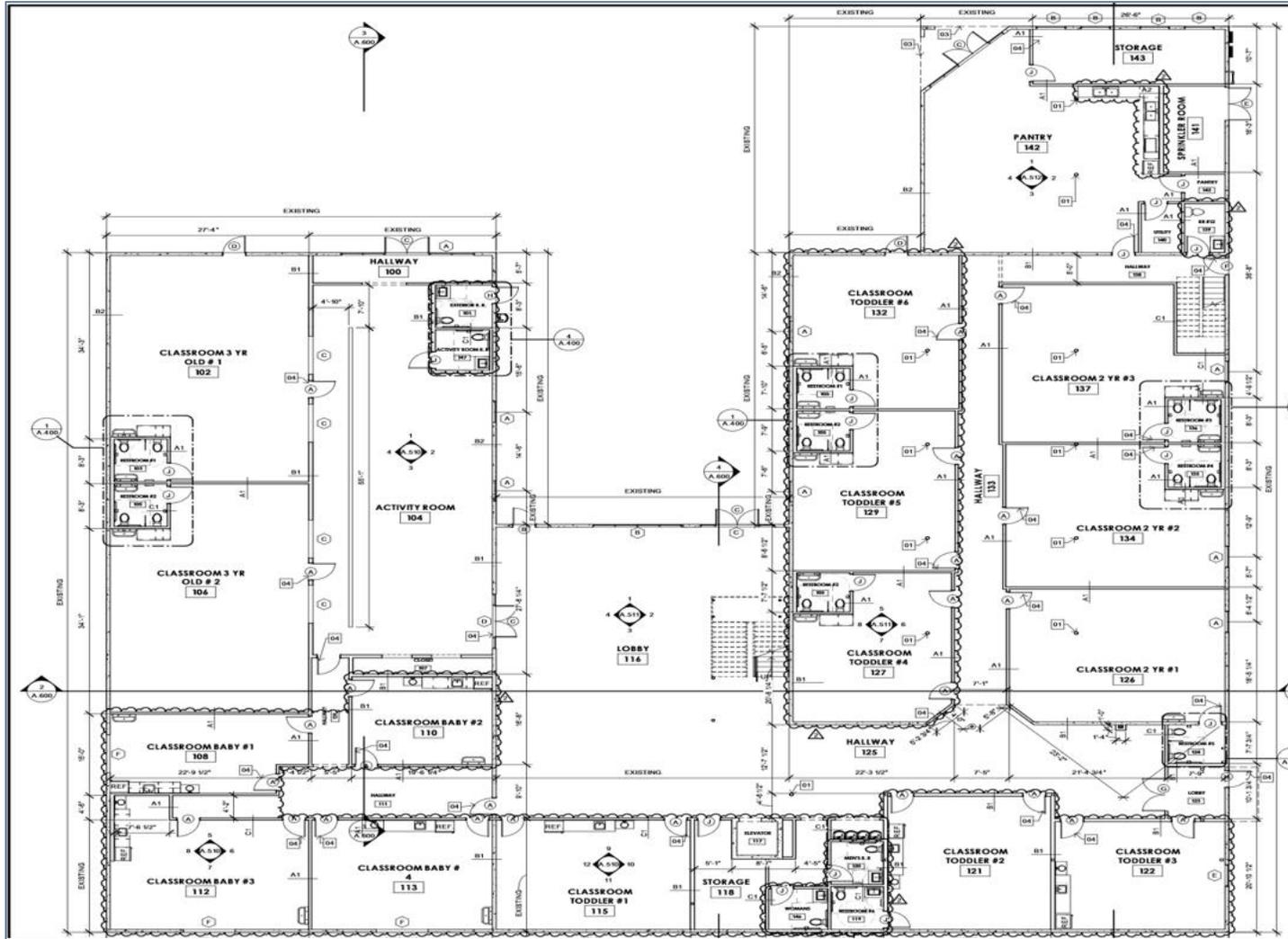
# WHAT IS THE OCCUPANCY CLASSIFICATION



If this Daycare is open from 6:00 am 5:00 pm?

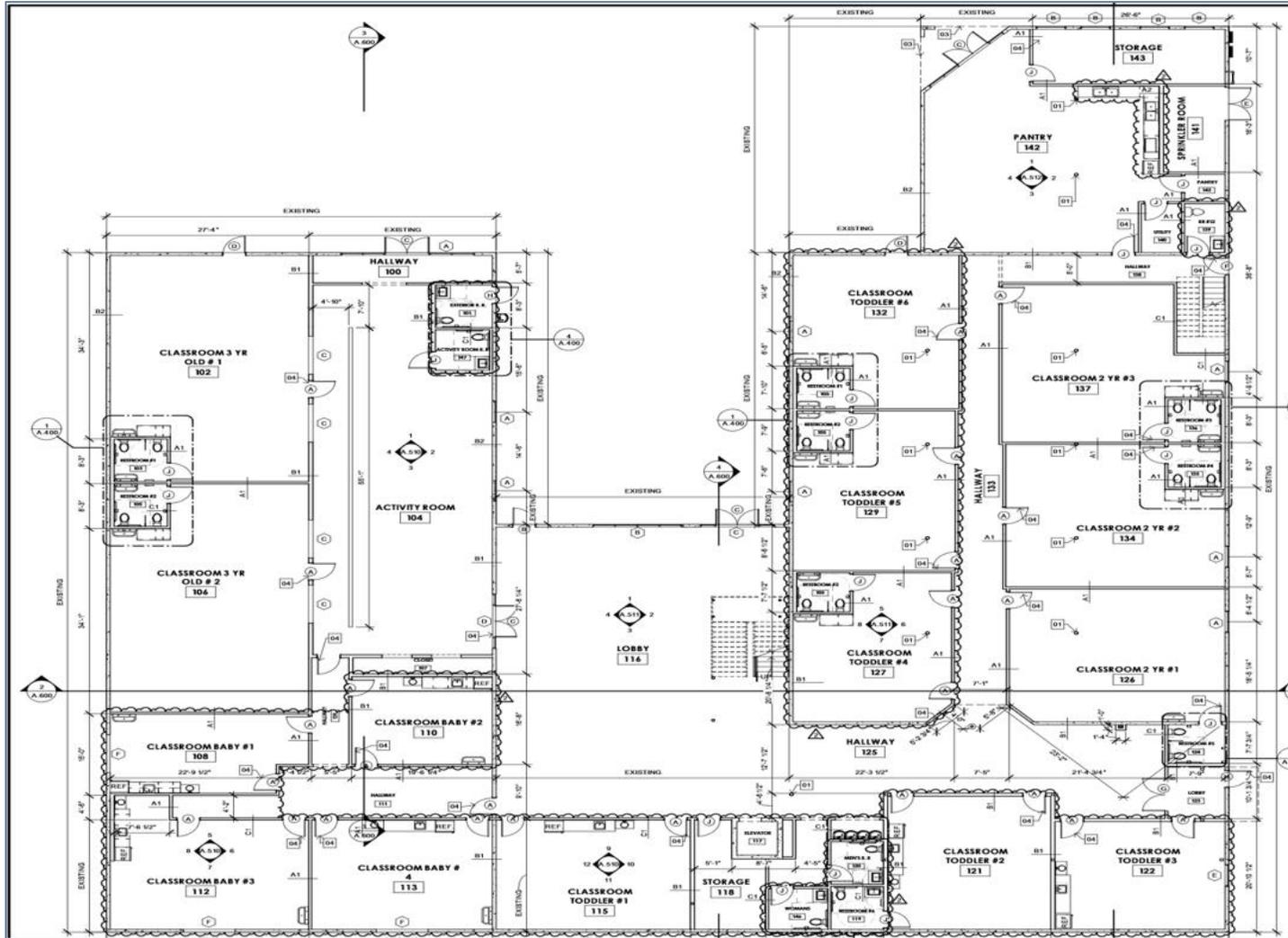
I4 as per 2021 IBC Section 308.5.1, because they receive custodial care for less than 24 hours.

# WHAT IS THE OCCUPANCY CLASSIFICATION



If this space is serving ten 5-year-olds, three 8-year-olds, and they are supervised on a 24-hour basis by 6 staff members?

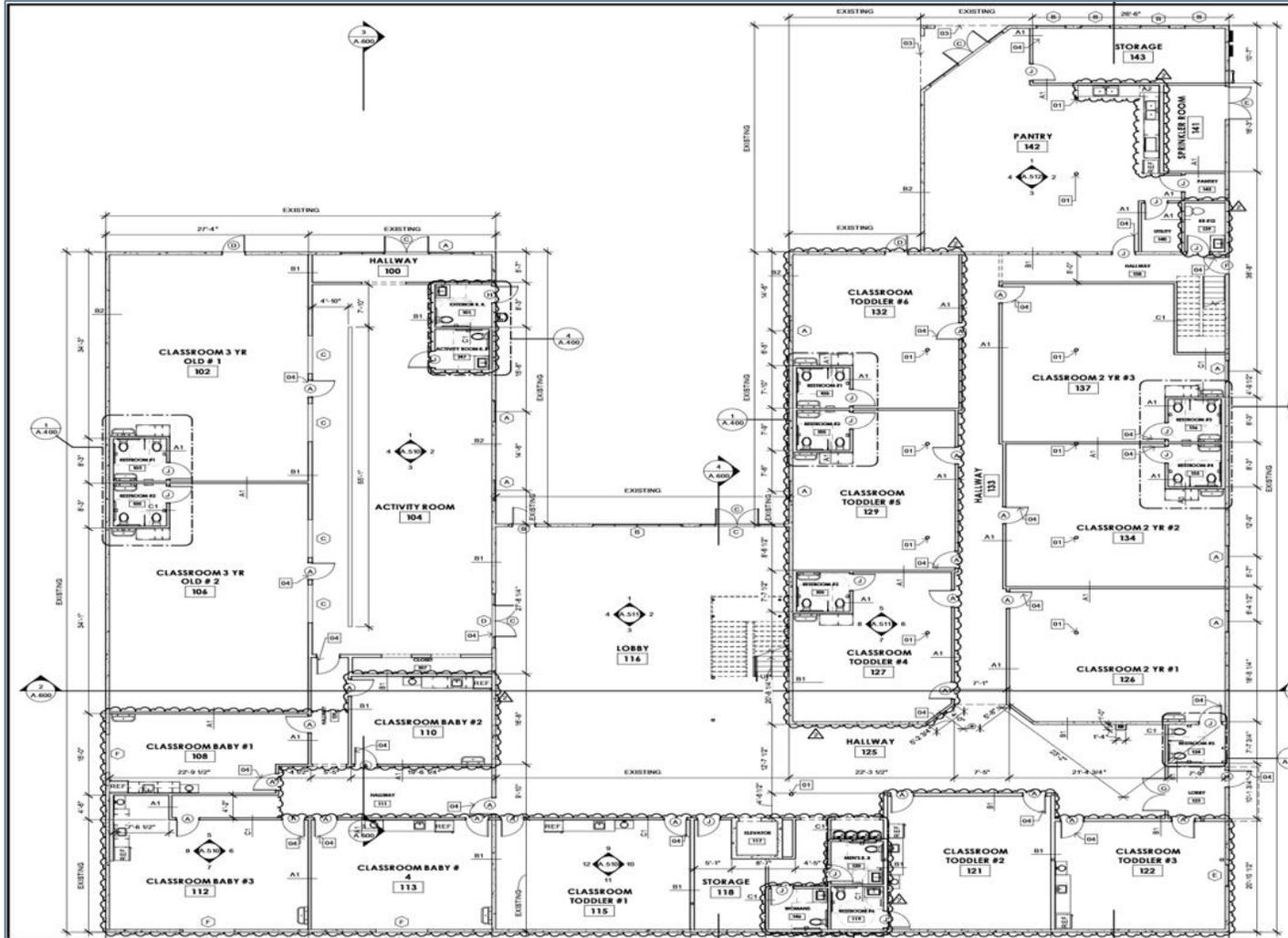
# WHAT IS THE OCCUPANCY CLASSIFICATION



If this space is serving ten 5-year-olds, three 8-year-olds, and they are supervised on a 24-hour basis by 6 staff members?

R4 as per 2021 IBC Section 310.5

# WHAT IS THE OCCUPANCY CLASSIFICATION

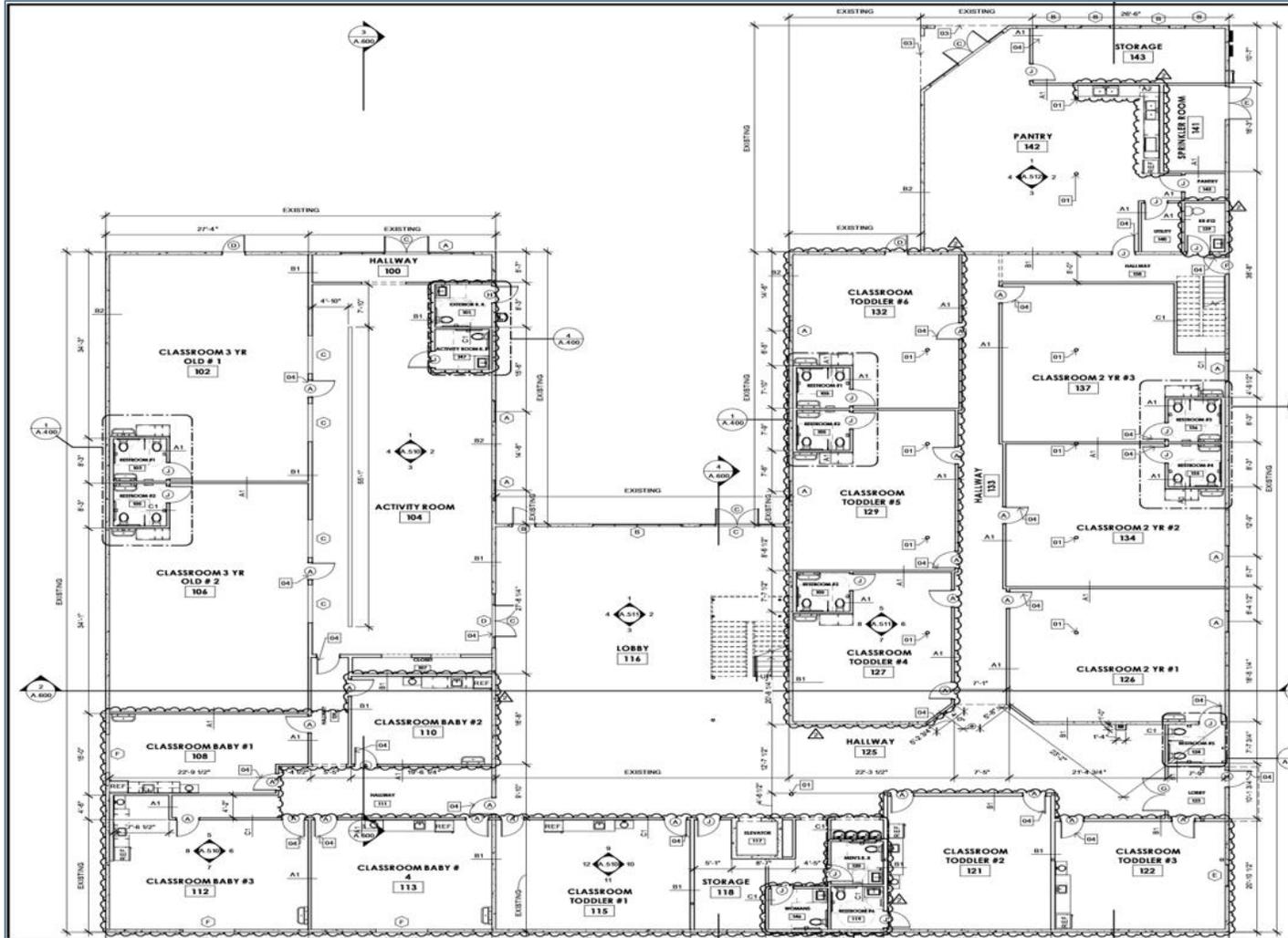


If this space is for skill development training serving kids 1 year and older?

? as per 2021 IBC Section 304.1

Training and skill development not in a school or academic program (this shall include, but not be limited to, tutoring centers, martial arts studios, gymnastics, and similar uses regardless of the ages served, and where not classified as a Group A occupancy)

# WHAT IS THE OCCUPANCY CLASSIFICATION

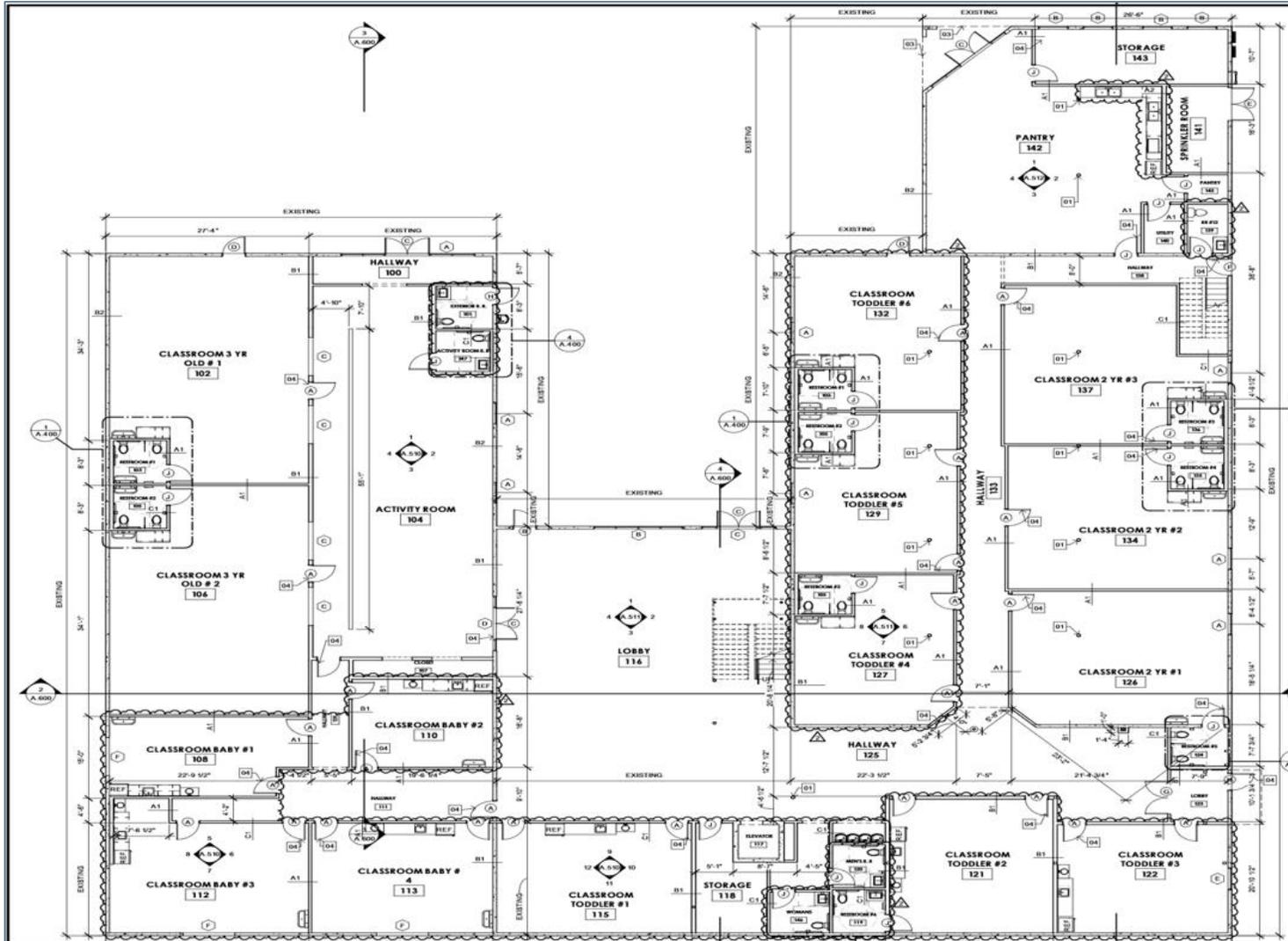


If this space is for skill development training serving kids 1 year and older?

B as per 2021 IBC Section 304.1

Training and skill development not in a school or academic program (this shall include, but not be limited to, tutoring centers, martial arts studios, gymnastics, and similar uses regardless of the ages served, and where not classified as a Group A occupancy)

# WHAT IS THE OCCUPANCY CLASSIFICATION

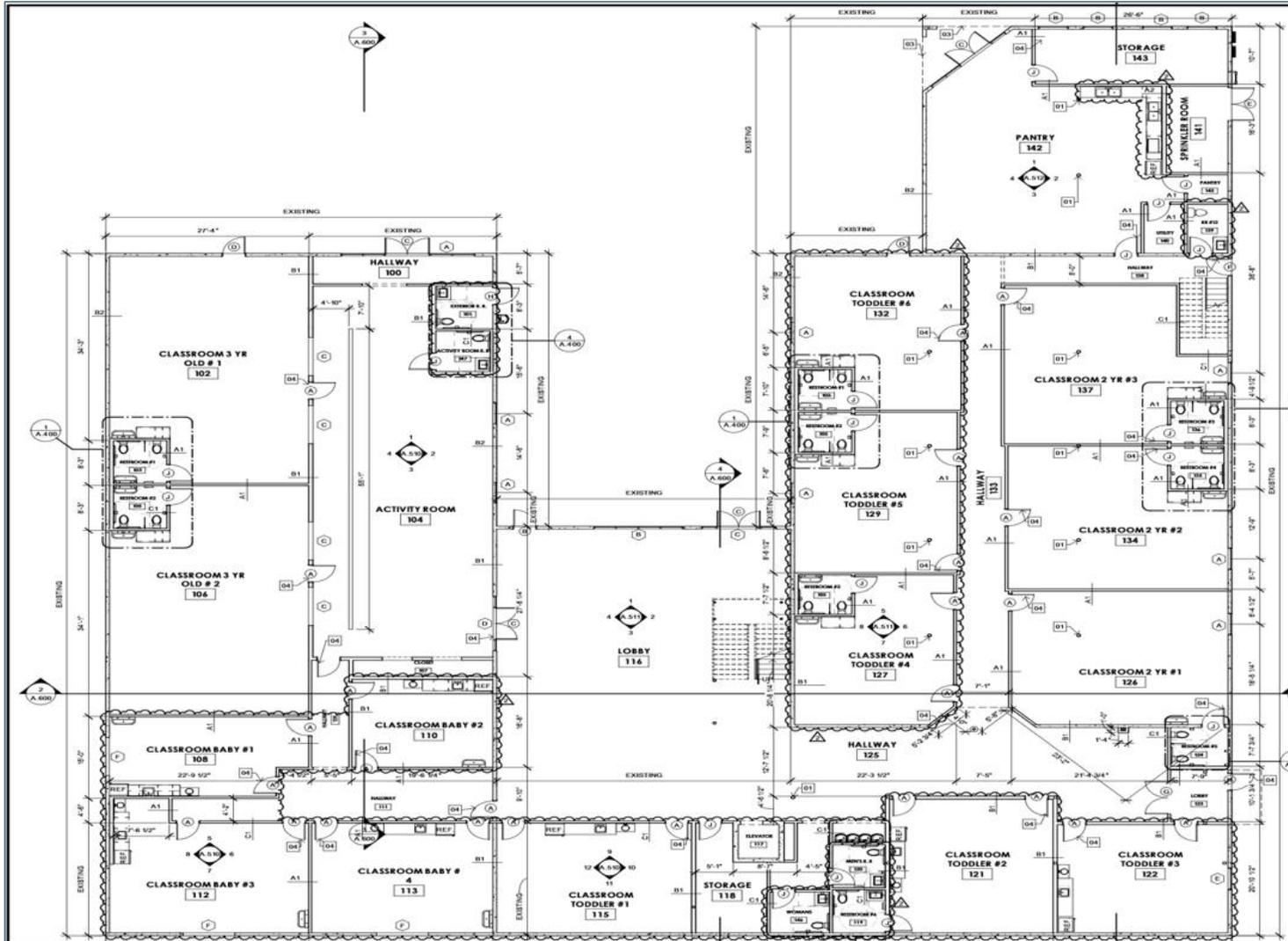


If this space is for skill development training serving kids 1 year and older?

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# WHAT IS THE OCCUPANCY CLASSIFICATION

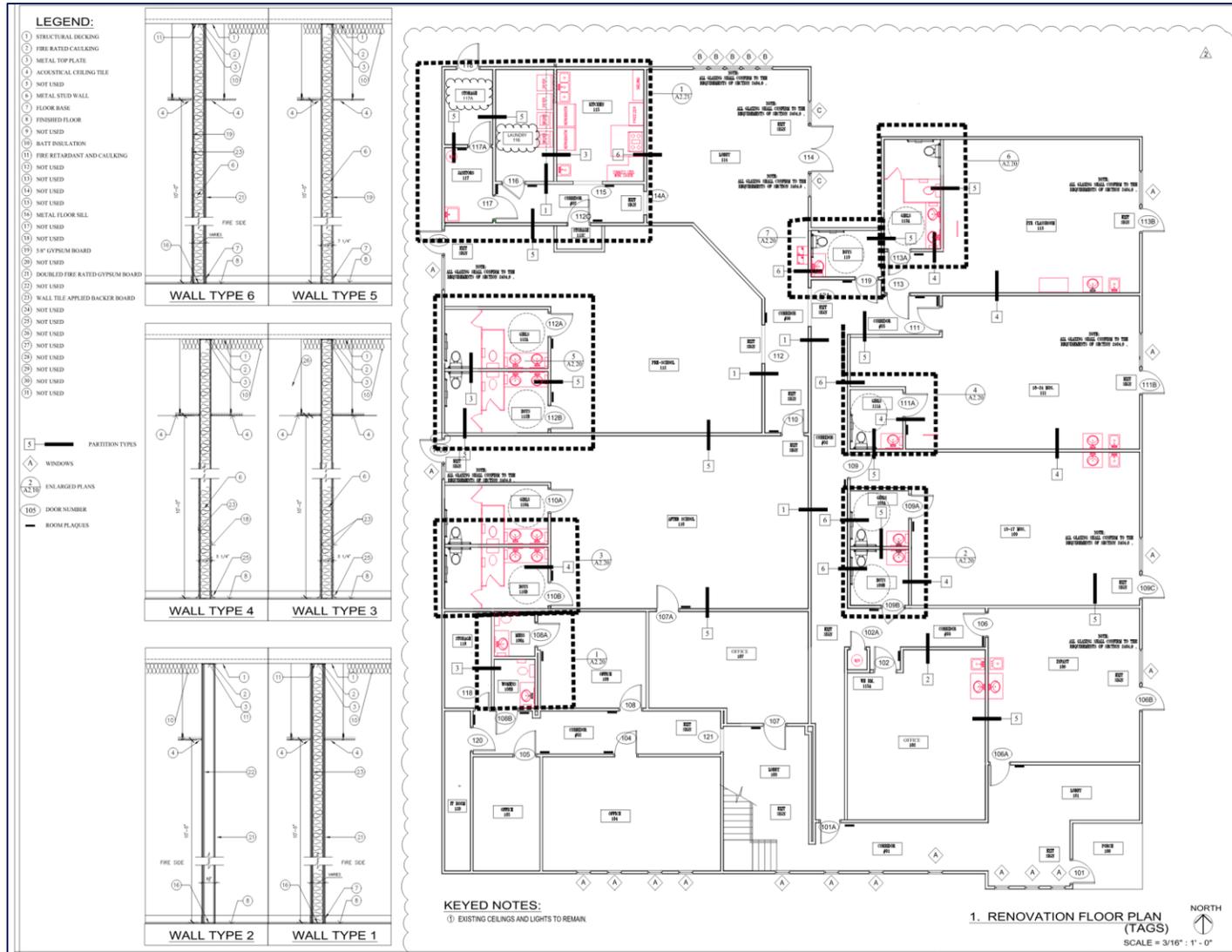


If this space is for skill development training serving kids 1 year and older?

B as per 2021 IBC Section 304.1

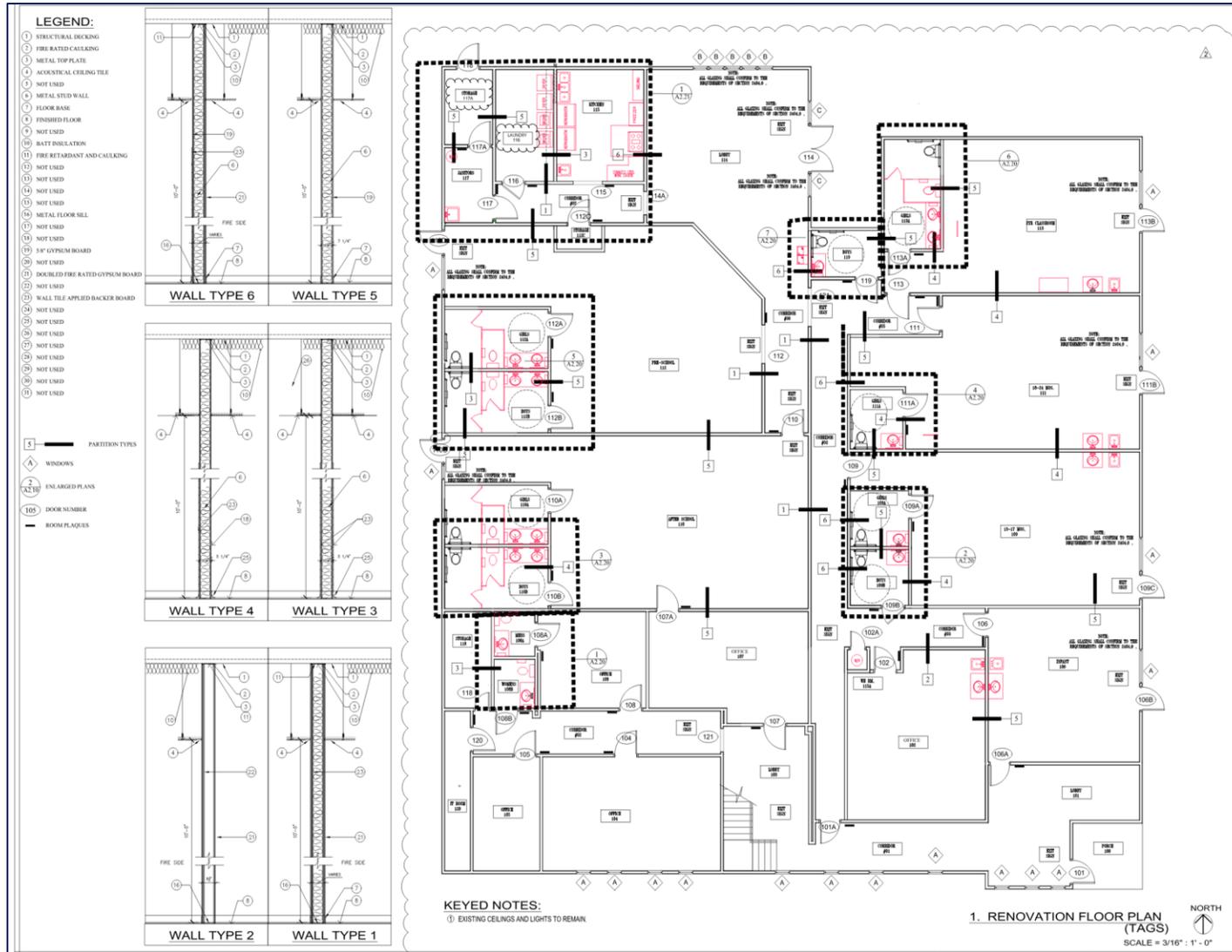
Training and skill development not in a school or academic program (this shall include, but not be limited to, tutoring centers, martial arts studios, gymnastics, and similar uses regardless of the ages served, and where not classified as a Group A occupancy)

# CAN THIS SPACE BE CLASSIFIED AS AN E?



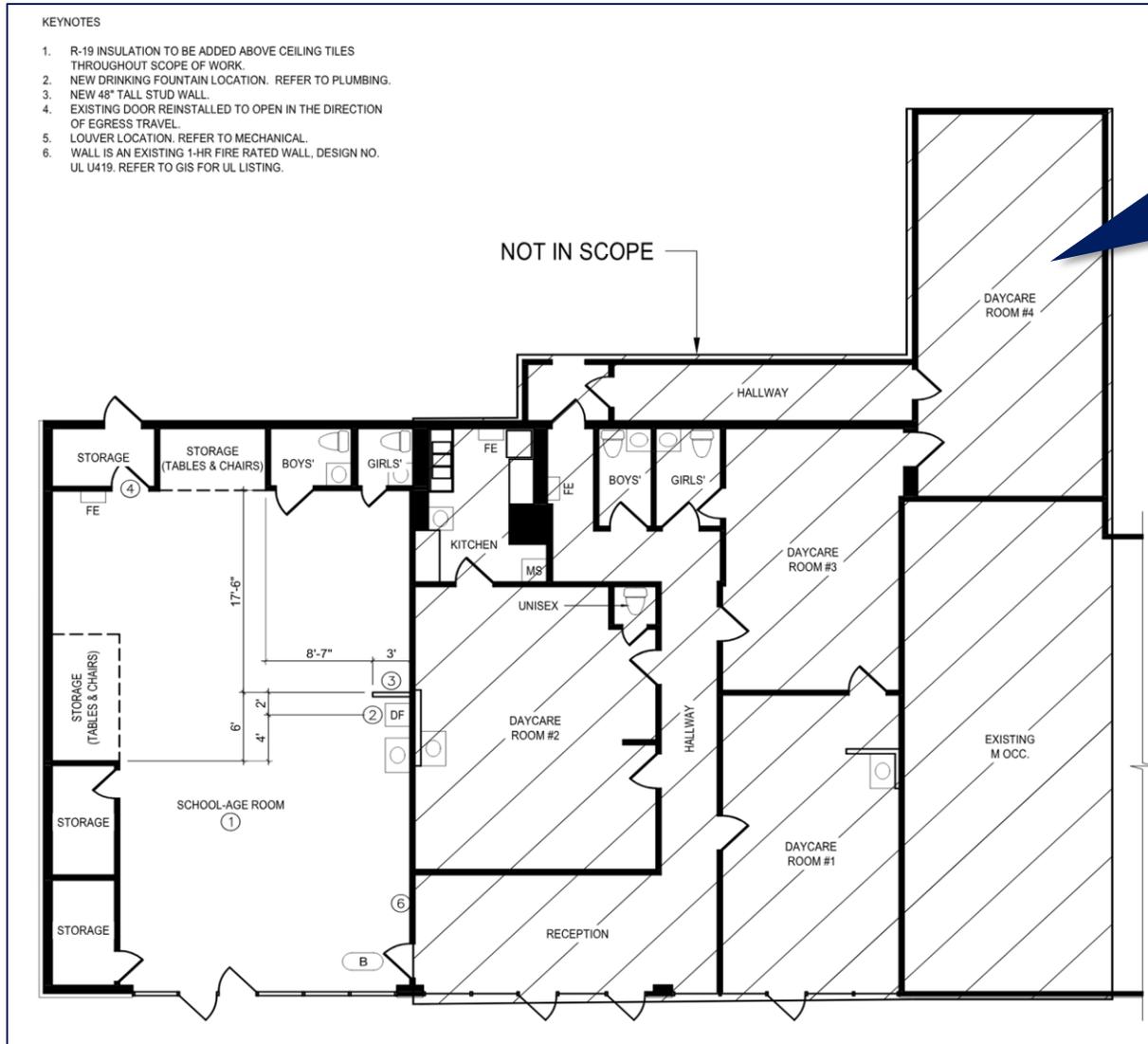
? This space can be classified as an ?, because of the children's ages and doors to the exterior as per 2021 IBC Section 308.5.1

# CAN THIS SPACE BE CLASSIFIED AS AN E?



Yes! This space can be classified as an E, because of the children's ages and doors to the exterior as per 2021 IBC Section 308.5.1

# CAN THIS SPACE BE CLASSIFIED AS AN E?

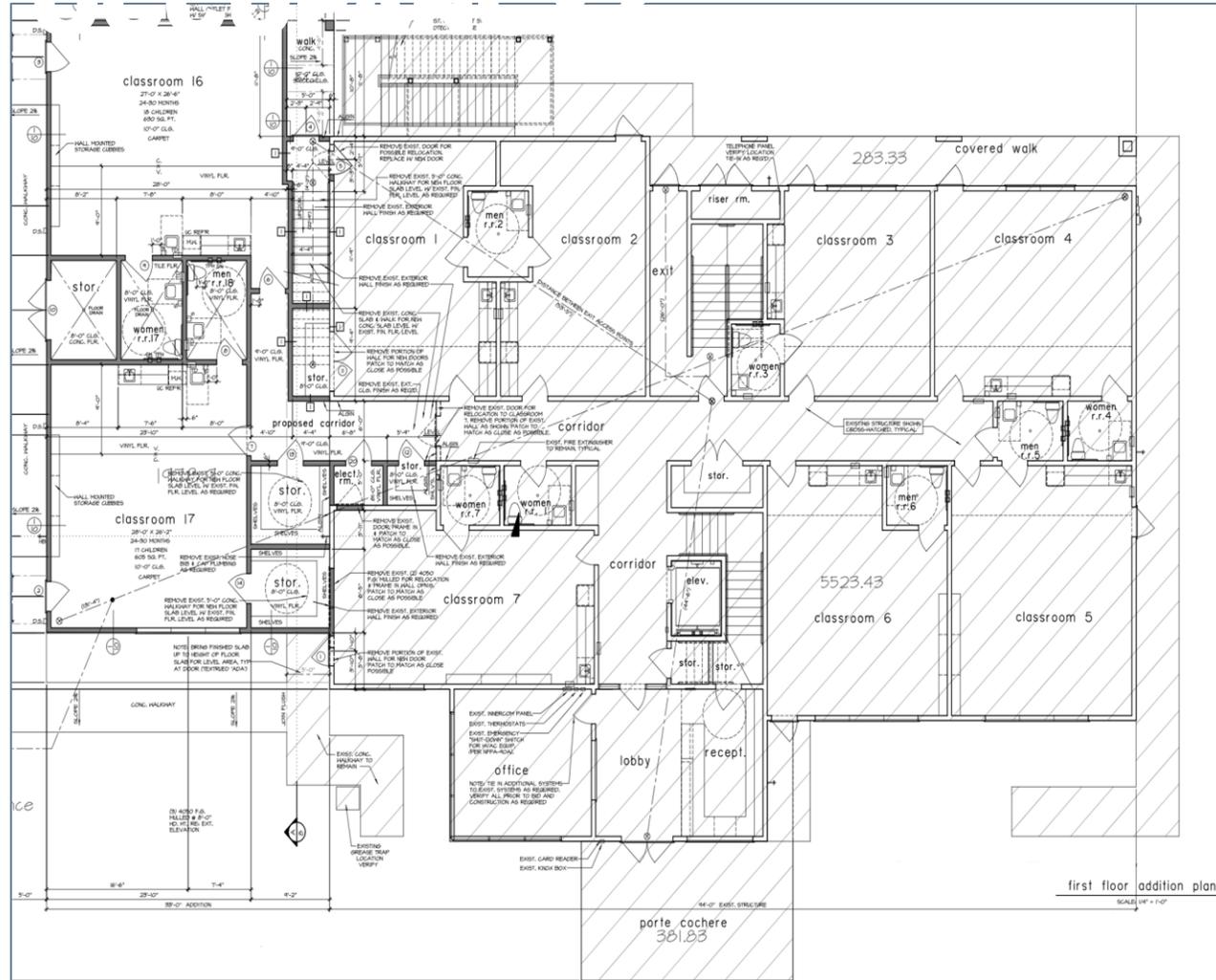


The kids are under two and a half years of age in daycare room 4.

? This space can or cannot be classified as an ?, because of the children's ages and doors to the exterior as per 2021 International Building Code IBC Section 308.5.1



# WHAT ARE OTHER REQUIREMENTS FOR CHILDREN 2<sup>ND</sup> GRADE AND BELOW?

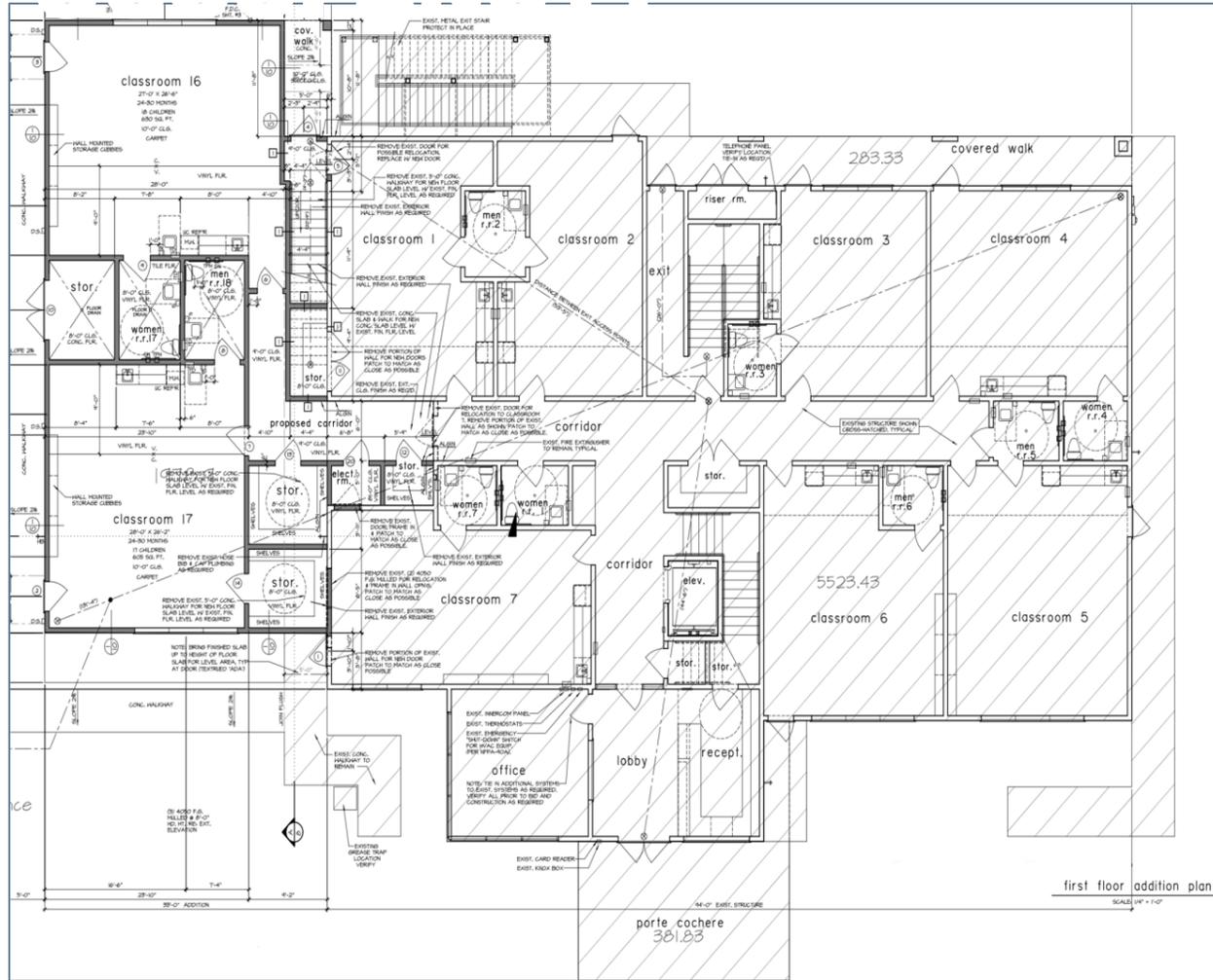


305.4 specific requirements daycares in educational occupancies shall not allow children of 2nd grade or lower above level exit discharge unless following provisions are met.

The building is equipped throughout with an automatic sprinkler system accordance with section 903.3.1.1 and

When children above the 2nd grade are located on the same floor level as children of 2nd grade or lower the children of second grade or lower shall have access to and exclusive use of at least two means of egress to the exterior

# WHAT ARE OTHER REQUIREMENTS FOR CHILDREN 2<sup>ND</sup> GRADE AND BELOW?



Second floor classrooms (3,4,5,6) second graders  
Third, Fourth, Fifth graders on rest of Floor.

305.4 specific requirements daycares in educational occupancies shall not allow children of 2nd grade or lower above level exit discharge unless following provisions are met.

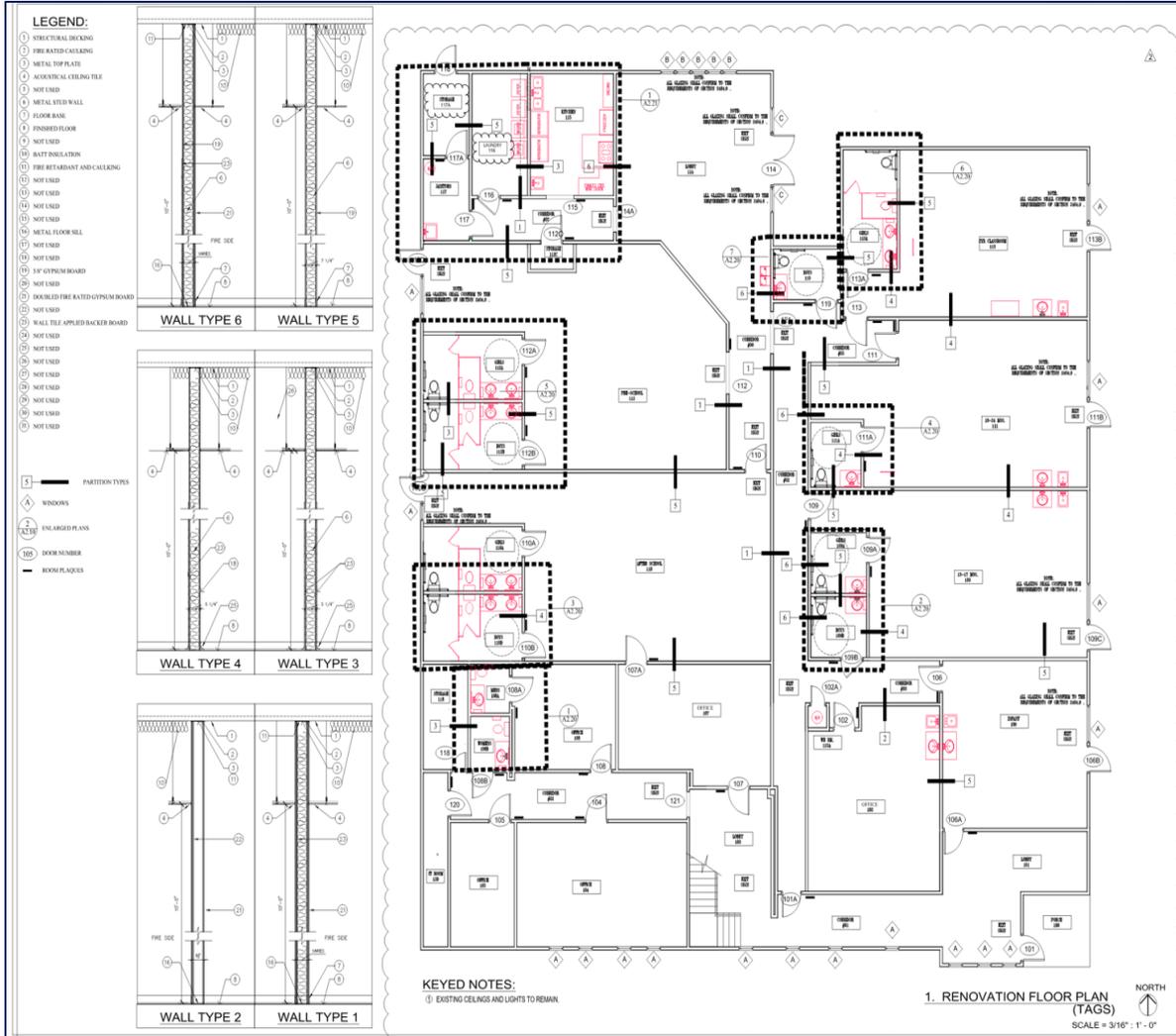
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When children above the 2nd grade are located on the same floor level as children of 2nd grade or lower the children of second grade or lower shall have access to and exclusive use of at least two means of egress to the exterior

# DAYCARE CONSTRUCTION TYPES

Education Assemblies | Institutional Occupancies  
2021 International Building Code (IBC)

# CAN THEY HAVE METAL STUDS IN THIS DAYCARE?

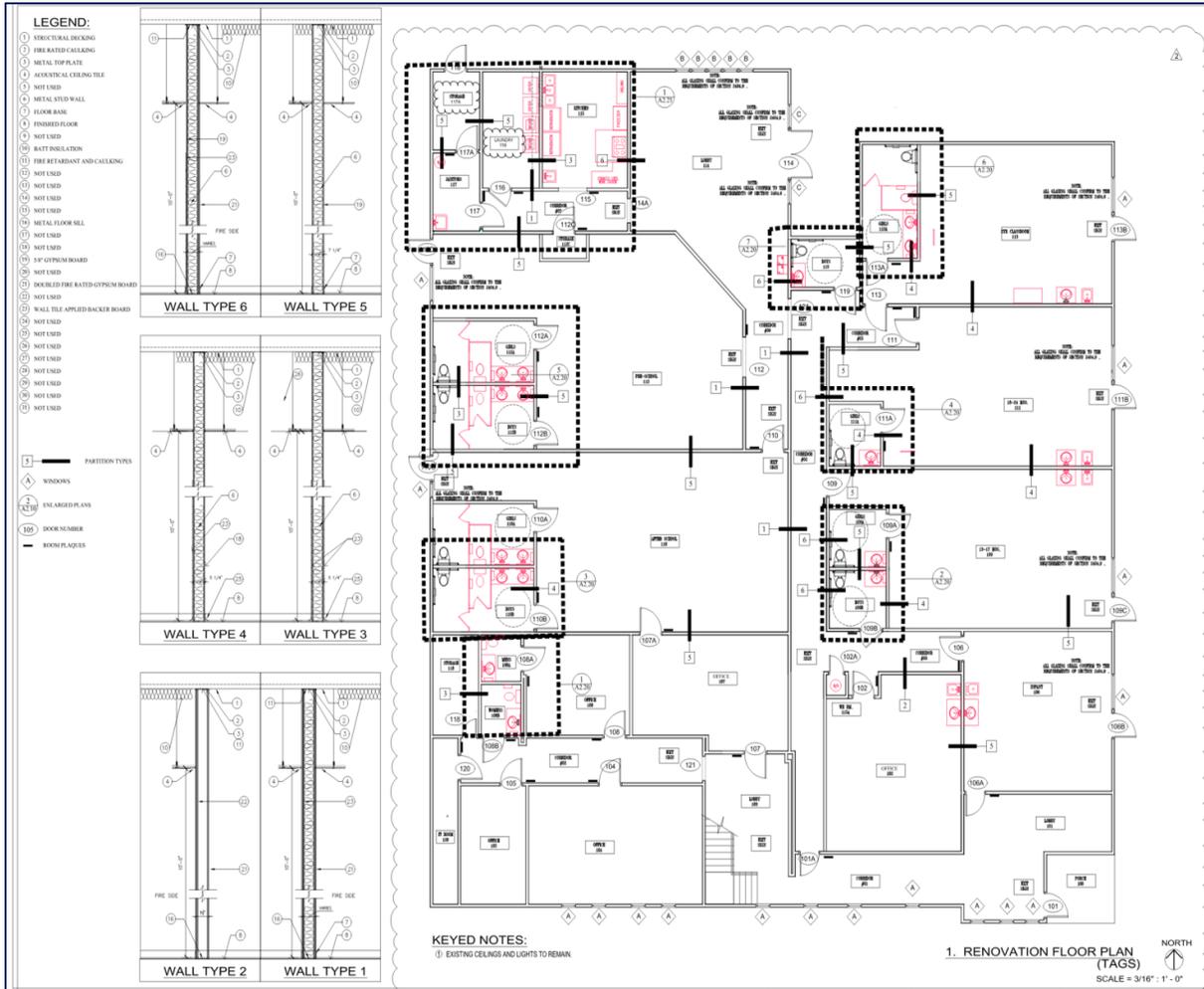


This is 5B construction in this daycare.

Yes or No?

**602.5 Type V.** Type V construction is that type of construction in which the structural elements, exterior walls and interior walls are of any materials permitted by this code.

# CAN THEY HAVE METAL STUDS IN THIS DAYCARE?

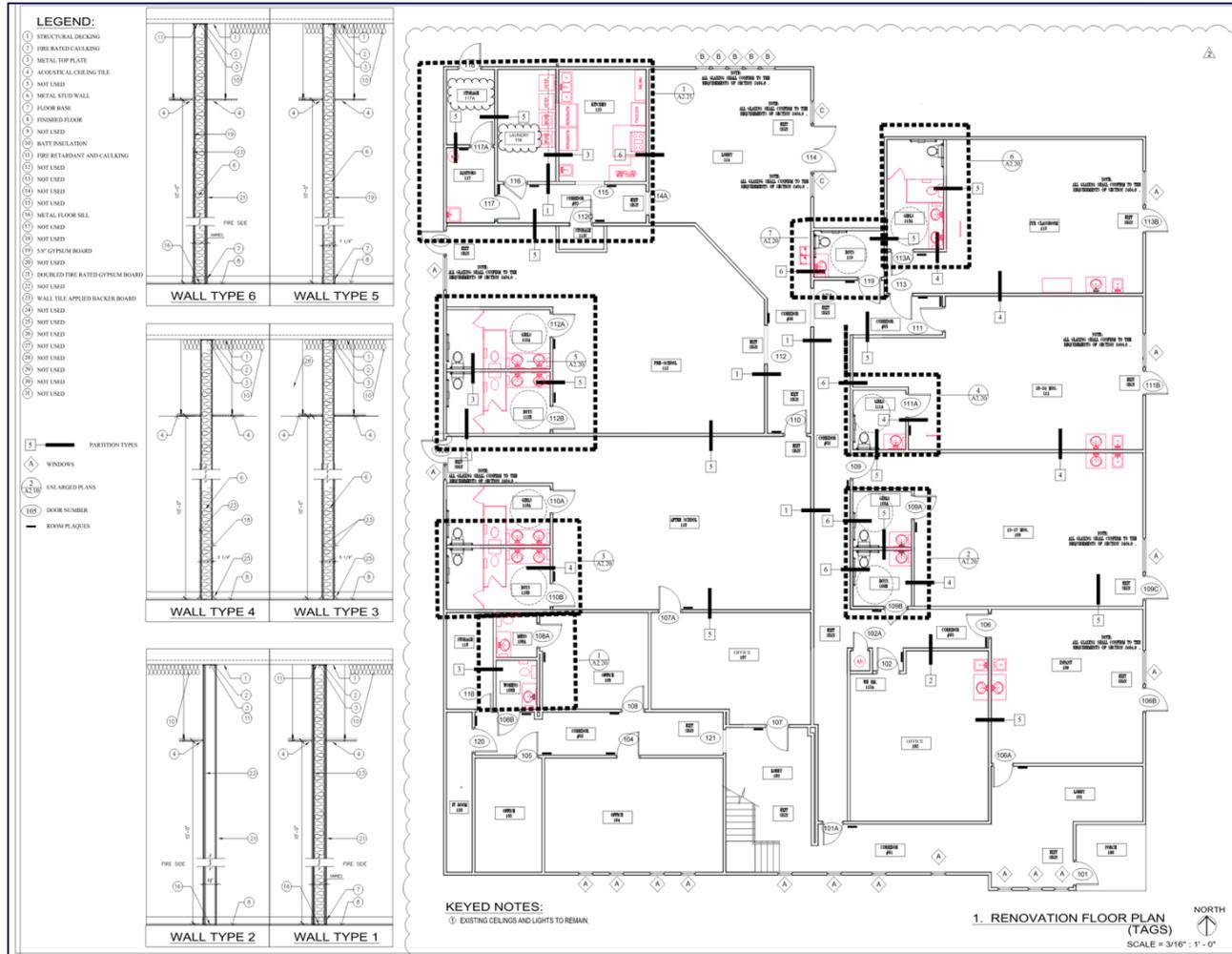


This is 5B construction in this daycare. Can they have metal studs in this daycare?

Yes! They can use metal in combustible construction.

**602.5 Type V.** Type V construction is that type of construction in which the structural elements, exterior walls and interior walls are of any materials permitted by this code.

# CAN THEY HAVE WOOD STUDS IN THE INTERIOR WALLS?



This is 2B construction in this daycare.

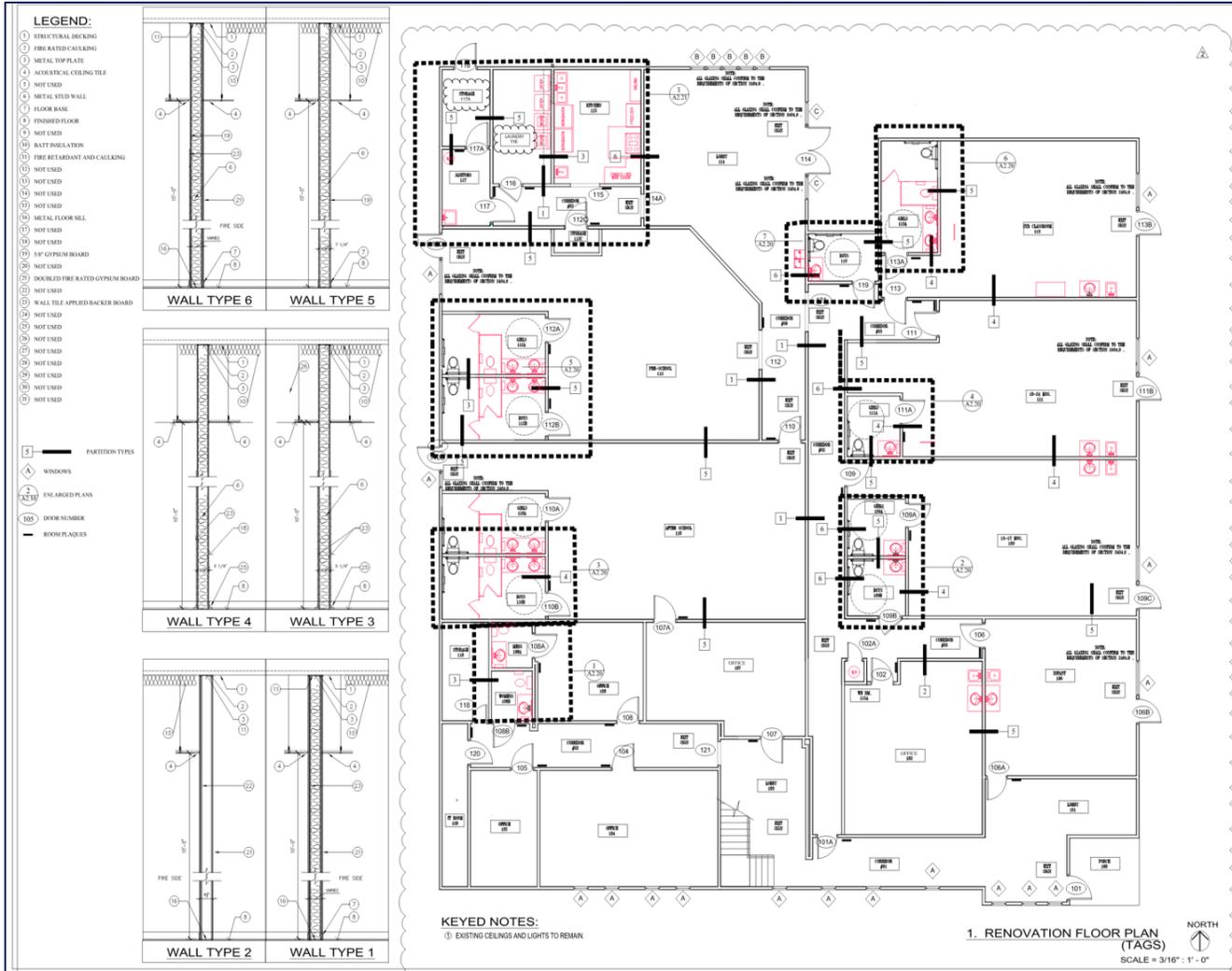
They can use it for interior, non-load-bearing walls with a fire rating 2 hours or less.

603.1 Allowable materials. Combustible materials shall be permitted in buildings of Type I or II construction in the following applications and in accordance with Sections 603.1.1 through 603.1.3:

1. Fire-retardant-treated wood shall be permitted in:
  - 1.1. Nonbearing partitions where the required fire-resistance rating is 2 hours or less except in shaft enclosures within Group I-2 occupancies and ambulatory care facilities.



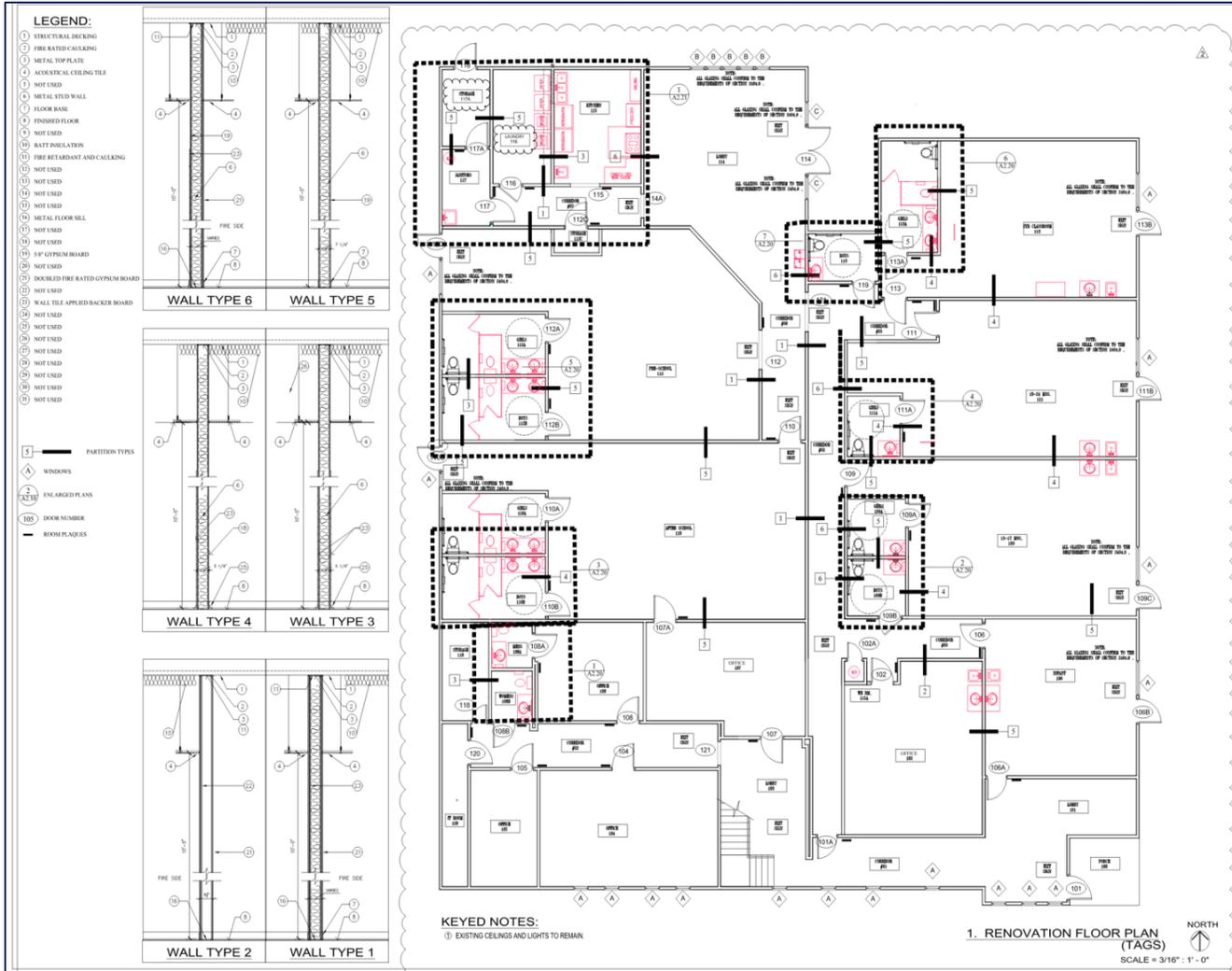
# CAN THIS 5B DAYCARE HAVE TWO FLOORS? ?



If they are able to, what do they need?

Yes or No?

# CAN THIS 5B DAYCARE HAVE TWO FLOORS? ?



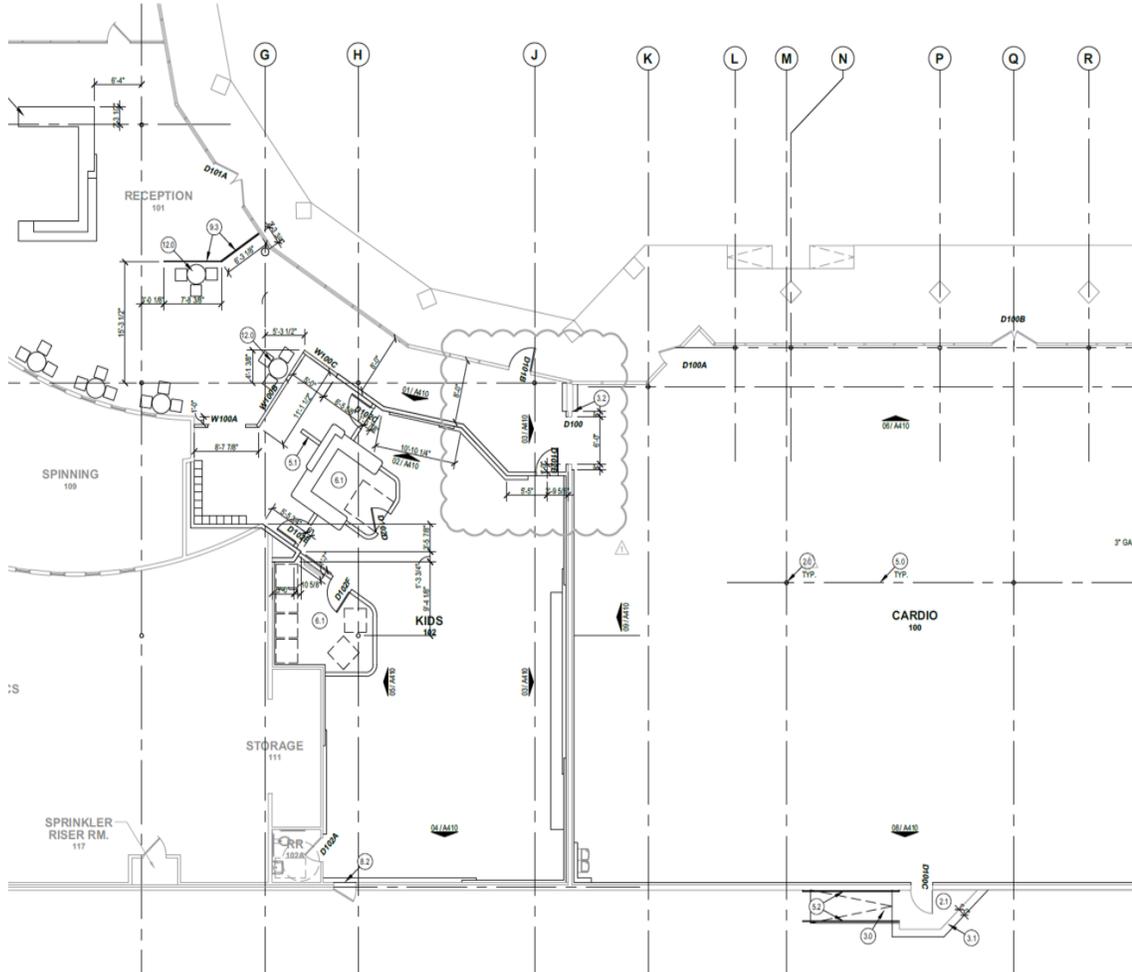
If they are able to, what do they need?

Yes!  
If the building is sprinkled.

# **DAYCARE: SEPARATED AND NON-SEPARATED USE**

Education Assemblies | Institutional Occupancies  
2021 International Building Code (IBC)

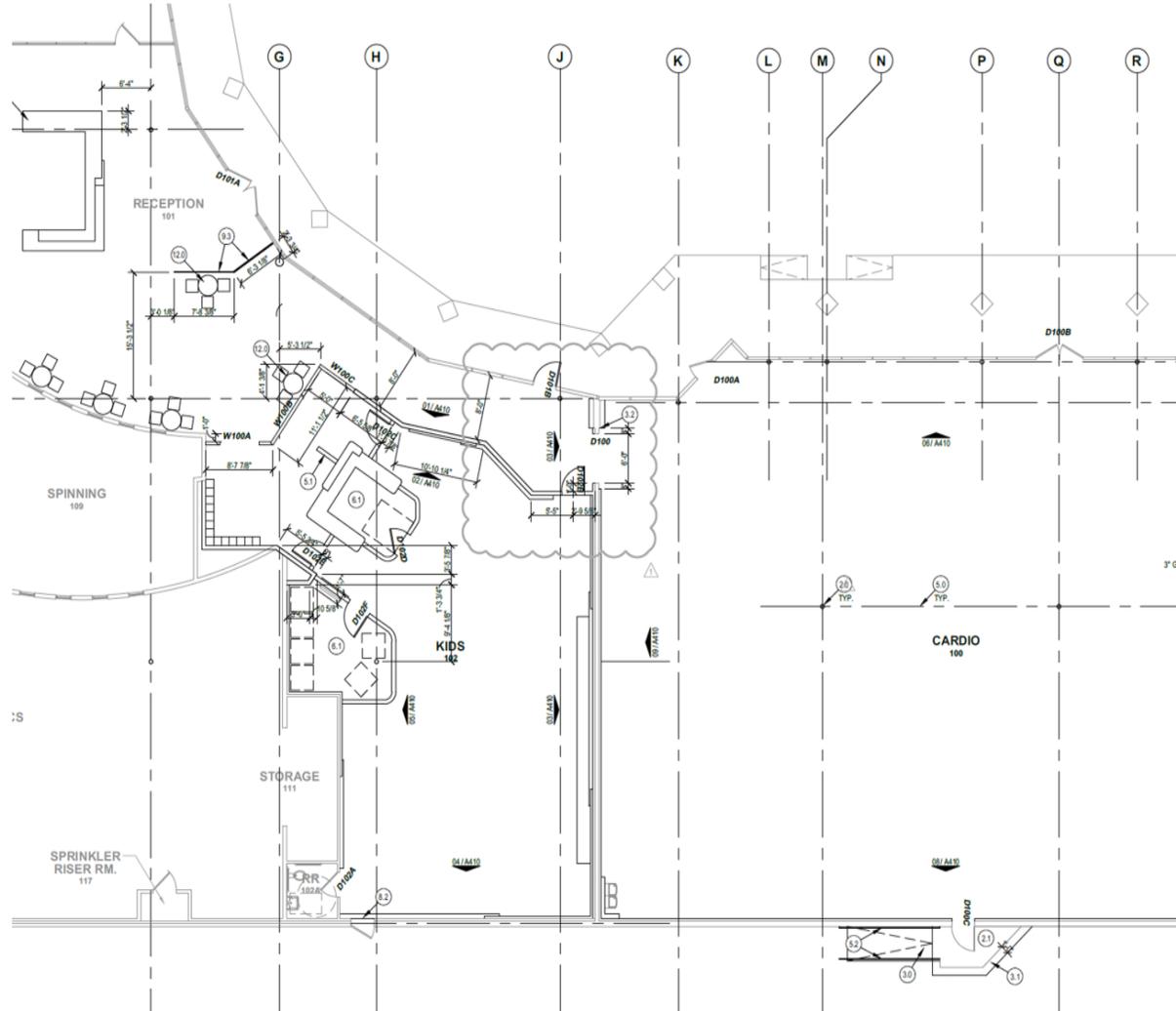
# CAN THIS BE CONSIDERED A NONSEPARATED SPACE?



This is a Fitness Center with a Daycare Reception.

**508.3.1 Occupancy classification.** Nonseparated occupancies shall be individually classified in accordance with Section 302.1. The requirements of this code shall apply to each portion of the building based on the occupancy classification of that space. In addition, the most restrictive provisions of Chapter 9 that apply to the nonseparated occupancies shall apply to the total nonseparated occupancy area.

# CAN THIS BE CONSIDERED A NONSEPARATED SPACE?



This is a Fitness Center with a Daycare Reception.

YES, as long as the most restrictive requirement is applied.

**508.3.1 Occupancy classification.** Nonseparated occupancies shall be individually classified in accordance with Section 302.1. The requirements of this code shall apply to each portion of the building based on the occupancy classification of that space. In addition, the most restrictive provisions of Chapter 9 that apply to the nonseparated occupancies shall apply to the total nonseparated occupancy area.

# WHAT ARE THE REQUIREMENTS FOR A SITE PLAN FOR THIS DAYCARE AND SUITE UNITS?



# WHAT ARE THE REQUIREMENTS FOR A SITE PLAN FOR THIS DAYCARE AND SUITE UNITS?

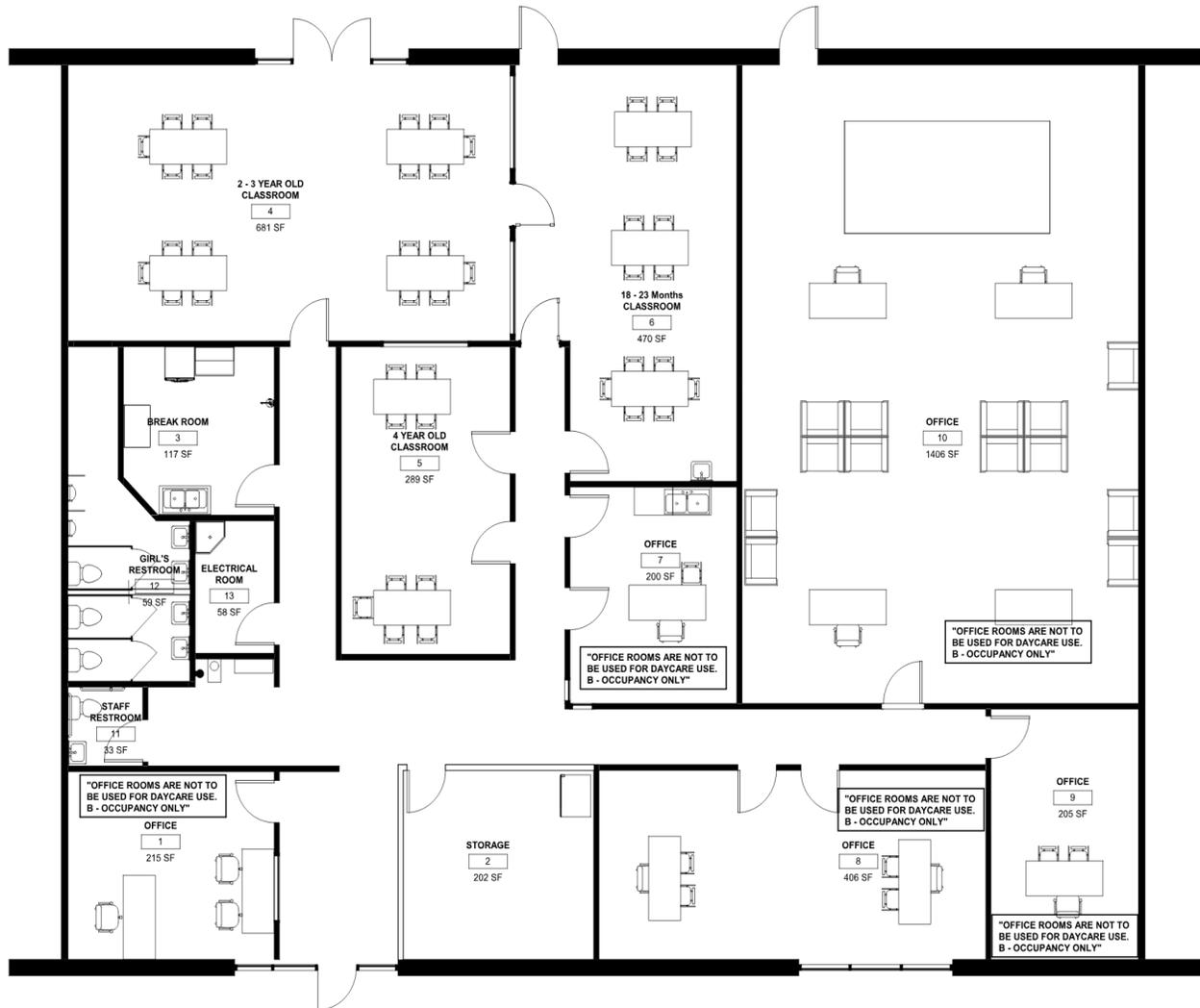


Address and occupancy classification of any tenants alongside of the unit is required.

# DAYCARE CHANGE OF USE

Education Assemblies | Institutional Occupancies  
2021 International Building Code (IBC)

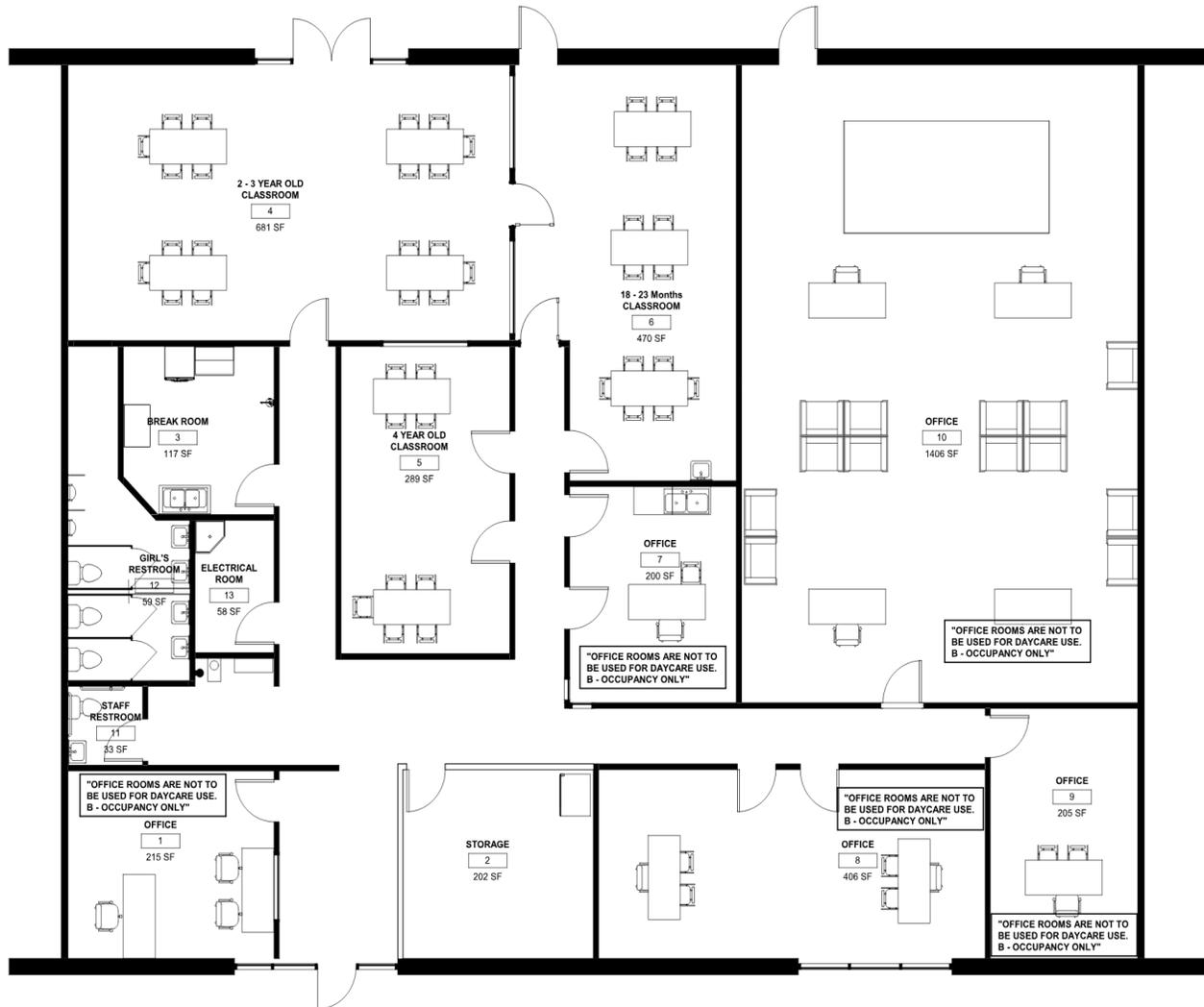
# WHAT IS THE SEPARATION RATING REQUIREMENT?



This is an E occupancy. There is a S1 storage and F1 factory on each side.

?-hour fire-rated walls on both sides in non-sprinklered spaces.  
?-hour for sprinklered building.  
(Table 508.4)  
?-hour fire barrier will be needed every 12,000 feet, this applies to the F1(903.2.4) and S1(903.2.9) for non sprinklered buildings.  
See also 903.2.4.1-3

# WHAT IS THE SEPARATION RATING REQUIREMENT?



This is an E occupancy. There is a S1 storage and F1 factory on each side.

2-hour fire-rated walls on both sides in non-sprinklered spaces.  
1-hour for sprinklered building.  
(Table 508.4)  
A 3-hour fire barrier will be needed every 12,000 feet, this applies to the F1(903.2.4) and S1(903.2.9) for non sprinklered buildings.  
See also 903.2.4.1-3

# TABLE 508.4

## Required Separation of Occupancies (Hours)

TABLE 508.4  
REQUIRED SEPARATION OF OCCUPANCIES (HOURS)

OCCUPANCY	A,E		1-1, 1-3, 1-4		1-2		R'		F-2, S-2, U		B', F-1, M, S-1		H-1		H-2		H-3, H-4		H-5	
	S	NS	S	NS	S	NS	S	NS	S	NS	S	NS	S	NS	S	NS	S	NS	S	NS
A,E	N	N	1	2	2	NP	I	2	N	I	I	2	NP	NP	3	4	2	3	2	NP
I-1, I-3, 1-4	I	2	N	N	2	NP	I	NP	I	2	I	2	NP	NP	3	NP	2	NP	2	NP
I-2	2	NP	2	NP	N	N	2	NP	2	NP	2	NP	NP	NP	3	NP	2	NP	2	NP
R''	I	2	I	NP	2	NP	N	N	IC	2'	I	2	NP	NP	3	NP	2	NP	2	NP
F-2, S-2\ U	N	I	I	2	2	NP	I'	2'	N	N	I	2	NP	NP	3	4	2	3	2	NP
BC, F-1, M, S-1	I	2	I	2	2	NP	I	2	I	2	N	N	NP	NP	2	3	I	2	I	NP
H-1	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	N	NP	NP	NP	NP	NP	NP	NP
H-2	3	4	3	NP	3	NP	3	NP	3	4	2	3	NP	NP	N	NP	I	NP	I	NP
H-3, H-4	2	3	2	NP	2	NP	2	NP	2	3	I	2	NP	NP	I	NP	Id	NP	I	NP
H-5	2	NP	2	NP	2	NP	2	NP	2	NP	I	NP	NP	NP	I	NP	I	NP	N	NP

S = Buildings equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1.

NS = Buildings not equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1.

N = No separation requirement.

NP= Not Pennitted.

a. See Section 420.

b. The required separation from areas used only for private or pleasure vehicles shall be reduced by 1 hour but not to less than 1 hour.

c. See Sections 406.3.2 and 406.6.4.

d. Separation is not required between occupancies of the same classification.

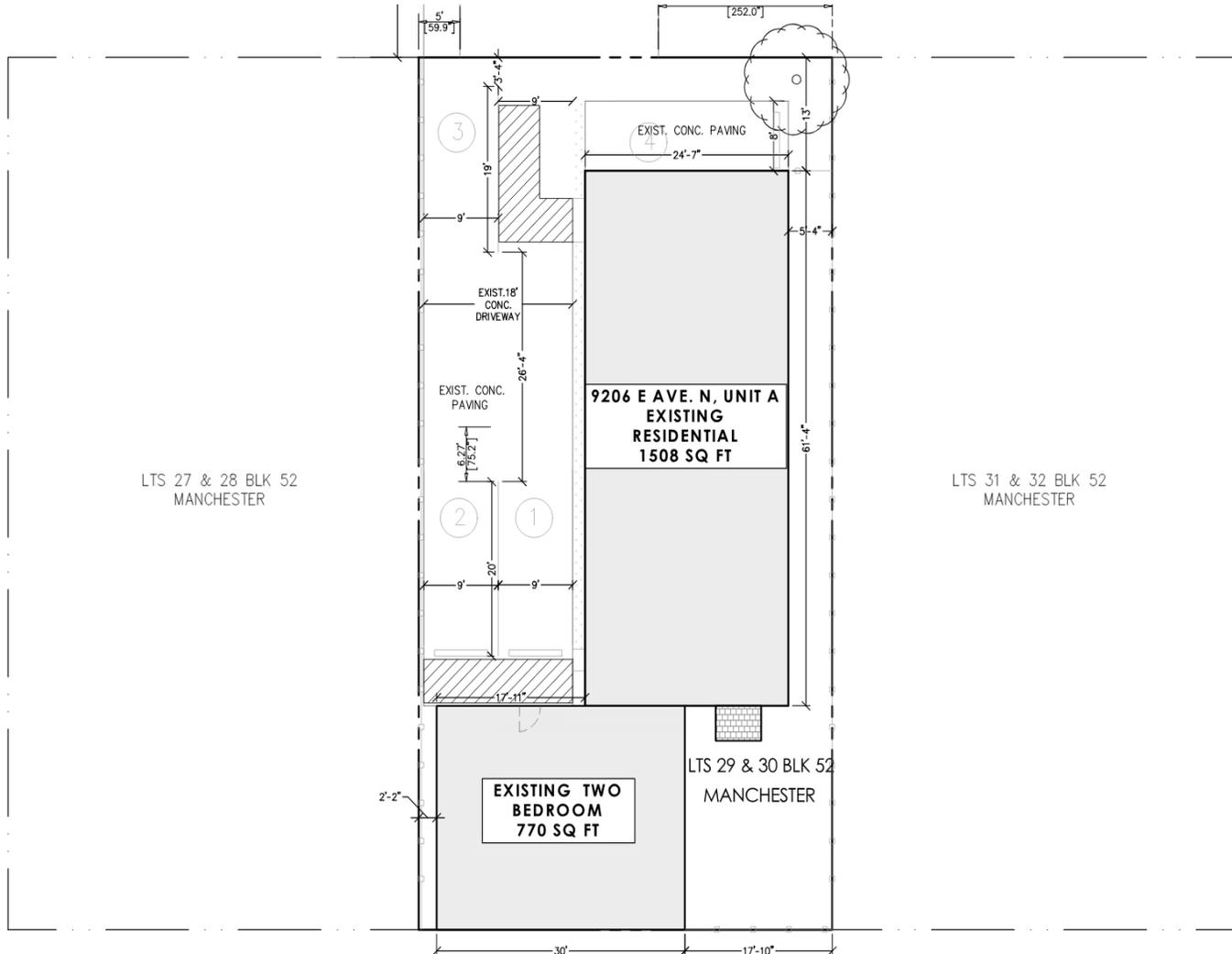
e. See Section 422.2 for *011b11aQJ* care facilities.

f. Occupancy separations that serve to define fire area limits established in Chapter 9 for requiring fire protection systems shall also comply with Section 707.3.10 and Table 707.3.10 in accordance with Section 901.7.

2021 INTERNATIONAL BUILDING CODE™

5-13

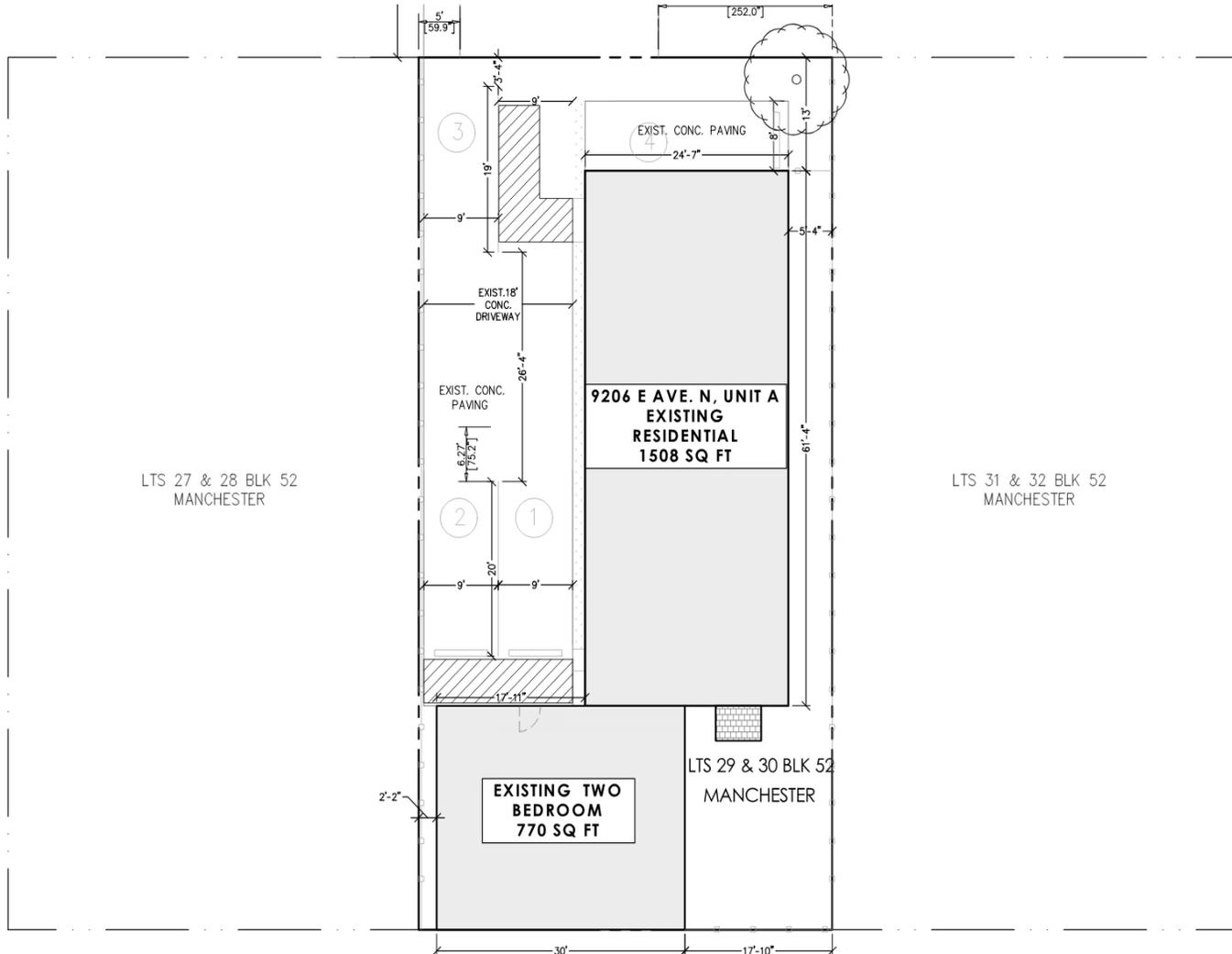
# WHAT WOULD BE THE EXTERIOR WALL FIRE RATING REQUIREMENT?



Existing Building Code  
For change of use,  
R3 to E,?

As long as you do not do anything to the wall there aren't any requirements. However, if you remodel the wall, there is a ?-hour requirement if it is 10' or less distance to the property line. (Table 1011.7 IEBC)

# WHAT WOULD BE THE EXTERIOR WALL FIRE RATING REQUIREMENT?



Existing Building Code  
For change of use,  
R3 to E,?

As long as you do not do anything to the wall there aren't any requirements. However, if you remodel the wall, there is a 1-hour requirement if it is 10' or less distance to the property line. (Table 1011.7 IEBC)

# TABLE 1011.7

## Exposure of Exterior Walls Hazard Categories

**1011.7 Exterior wall fire-resistance ratings.** Hazard categories in regard to fire-resistance ratings of exterior walls shall be in accordance with Table 1011.7.

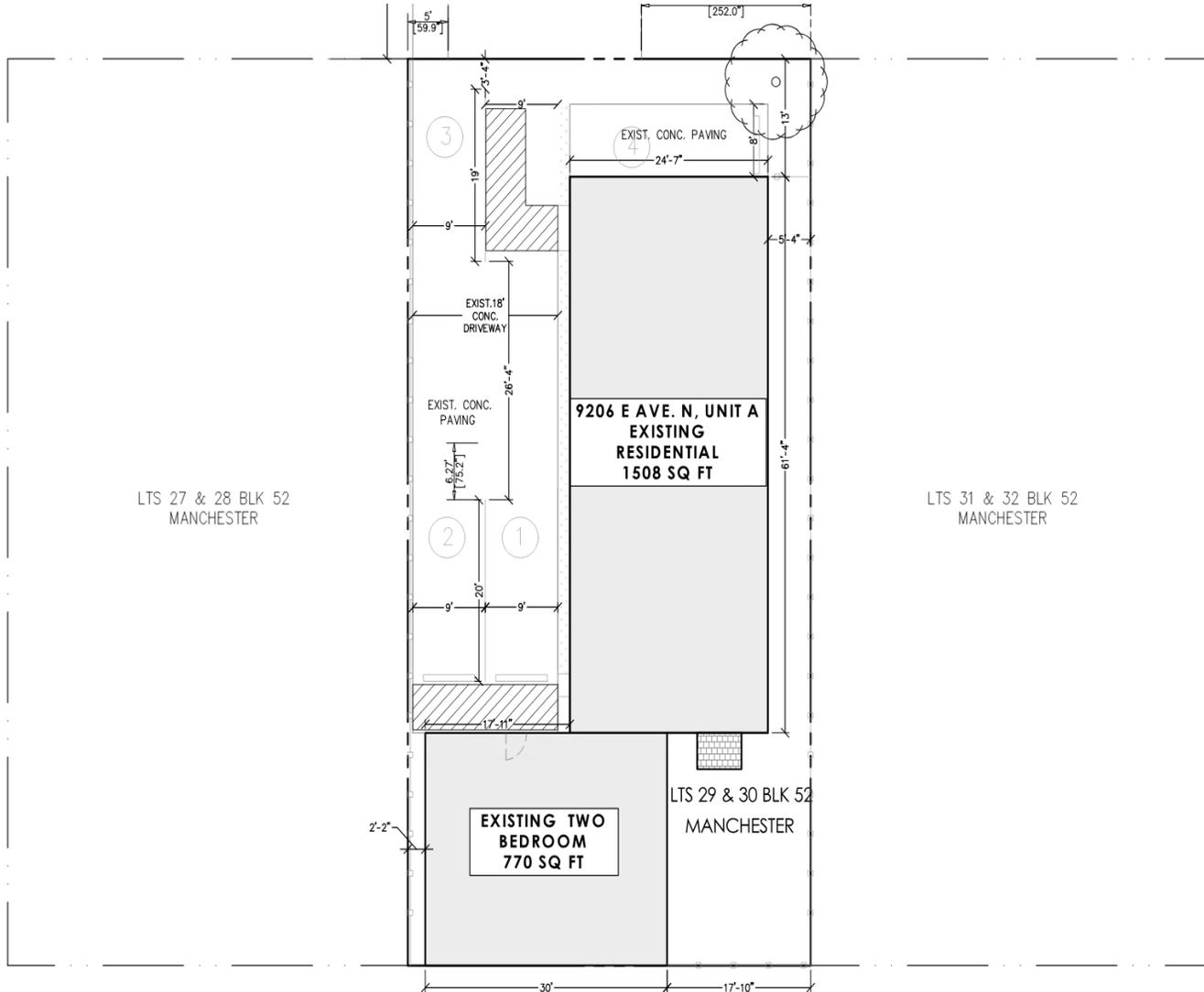
TABLE 1011.7  
EXPOSURE OF EXTERIOR WALLS HAZARD CATEGORIES

RELATIVE HAZARD	OCCUPANCY CLASSIFICATION
1 (Highest Hazard)	H
2	F-1; M; S-1
3	A; B; E; I; R
4 (Lowest Hazard)	F-2; S-2; U

**1011.7.1 Exterior wall rating for change of occupancy classification to a higher-hazard category.** Where a change of occupancy classification is made to a higher hazard category as shown in Table 1011.7, exterior walls shall have fire resistance and exterior opening protectives as required by the *International Building Code*.

**Exception:** A 2-hour fire-resistance rating shall be allowed where the building does not exceed three stories in height and is classified as one of the following groups: A-2 and A-3 with an occupant load of less than 300, B, F, or S.

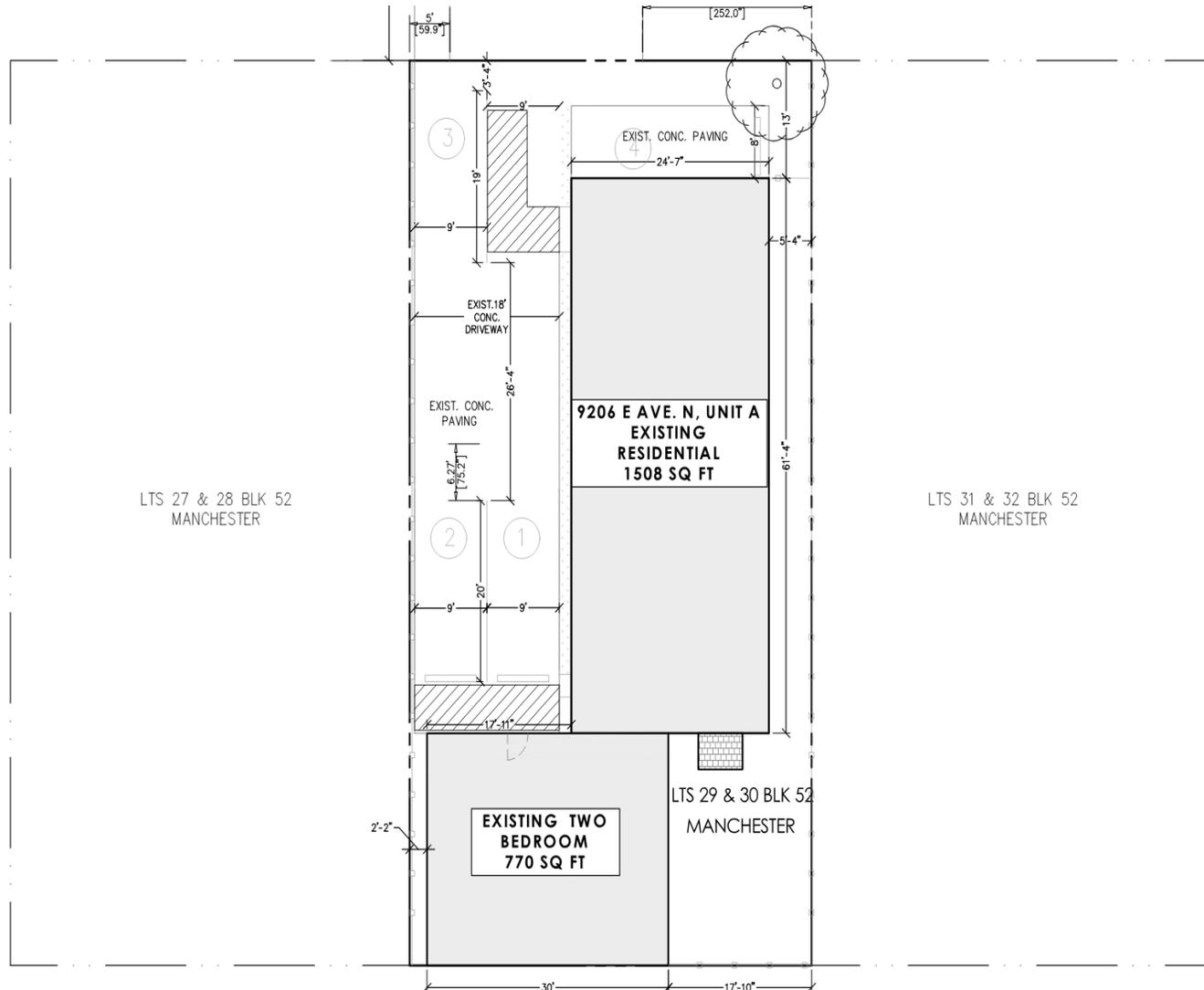
# WHAT ARE THE EXITING REQUIREMENTS?



Existing Building Code  
For change of use,  
R3 to E?

?  
(Table 1011.5 IEBC)

# WHAT ARE THE EXITING REQUIREMENTS?



Existing Building Code  
For change of use,  
R3 to E?

Means of egress is  
required to be updated.  
(Table 1011.5 IEBC)

# TABLE 1011.5

## Means of Egress Hazard Categories

TABLE 1011.5  
MEANS OF EGRESS HAZARD CATEGORIES

RELATIVE HAZARD	OCCUPANCY CLASSIFICATIONS
1 (Highest Hazard)	H
2	1-2; 1-3; 1-4
3	A; E; I-1; M; <b>R-1</b> ; R-2; R-4, Condition 2
4	B; F-1; R-3; R-4, Condition 1; S-1
5 (Lowest Hazard)	F-2; S-2; U

**1011.5.1 Means of egress for change to a higher hazard category.** Where a change of occupancy classification is made to a higher-hazard category (lower number) as shown in Table 1011.5, the means of egress shall comply with the requirements of Chapter 10 of the *International Building Code*.

**Exceptions:**

1. Stairways shall be enclosed in compliance with the applicable provisions of Section 903.1.
2. Existing stairways including handrails and guards complying with the requirements of

# STAFF RESOURCES

Education Assemblies | Institutional Occupancies  
2021 International Building Code (IBC)

# UPDATE

[www.HoustonPermittingCenter.org](http://www.HoustonPermittingCenter.org)

## Project Submission Requirements for Opening Protection Enforcement

### Welcome to the Houston Permitting Center

The Houston Permitting Center combines the majority of the City of Houston's permitting and licensing into one convenient location. We opened in June 2011 with a mission to help customers achieve their goals while complying with the City's regulations. Providing excellent service, streamlining business processes, implementing innovative technologies, and proactively engaging customers are all cornerstones of our mission.

#### Office of the City Engineer

The Office of the City Engineer (OCE) implements and administers the provisions in the City's Code of Ordinances state and federal regulations relating to floodplain management, street cuts, and storm water quality.

#### Building Code Enforcement

Building Code Enforcement manages Building Code Services and administers the provisions in the City's Code of Ordinances and state/federal regulations relating to private building construction, and sign administration.

#### Infrastructure & Development Services

The Infrastructure & Development Services agency is part of the Houston Water service line.

#### Open Records

The Open Records section is responsible for processing Texas Public Information Act (TPIA) requests for the Building Code Enforcement and the Office of the City Engineer service lines.

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# CUSTOMER SERVICE – COMMUNITY TRAININGS

- **March 27, 2025 | 8:00 AM – 12:00 PM**
  - Plan Review Processes for One-Stop Shop Residential (2021 ICC Building Codes)
- **March 27, 2025 | 1:00 PM – 5:00 PM (TBD)**
  - Plan Review Processes for One-Stop Shop Residential (2021 ICC Building Codes)
- **April 17, 2025 | 8:00 AM – 11:30 AM**
  - Solar Panels & Energy Storage Systems (2021 IECC Significant Changes)
- **May 15, 2025 | 8:00 AM – 11:30 AM**
  - Office of the City Engineer – Floodplain Management
- **June 12, 2025 | 8:00 AM – 11:30 AM**
  - Plan Review Processes for Assemblies (2021 ICC Building Codes)
- **July 9–10, 2025 | Times TBD**
  - Understanding Tall Mass Timber Code Changes (2021 ICC Building Codes)
- **August 21, 2025 | 8:00 AM – 11:30 AM**
  - Plan Review Processes for Submitted Houses (2021 ICC Building Codes)
- **September 18, 2025 | 8:00 AM – 11:30 AM**
  - International Building Code (IBC) & Existing Building Code (IEBC) (2021 ICC Building Codes)
- **October 16, 2025 | 8:00 AM – 11:30 AM**
  - Plan Review Process for Change of Occupancy – Multi-use (2021 ICC Building Codes)
- **November 2025 | Date TBD**
  - Permitting Workshop 2025

**\*All training sessions are tentative. They will be held at the Houston Permitting Center unless stated otherwise.**

Houston Permitting Center  
1002 Washington Ave.  
Houston, TX 77001  
Conference Room B2

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# SURVEY OF TRAINING NEEDS & TRAINING RATING



# thank you!



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# QUESTION & ANSWER

**If you have  
Questions,  
we are here  
to help !!!**

