

# Welcome to the Child-Care Centers Webinar



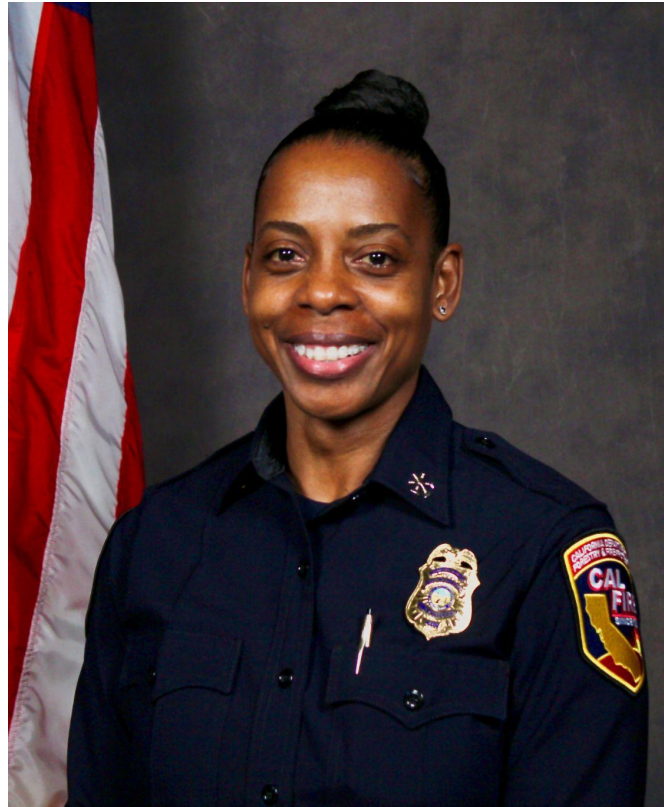


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# **GROUP E & GROUP I-4**

## **OCCUPANCIES**



# WHAT WILL BE COVERED

- **Child Care need**
- **Child Care occupancies**
  - What is a Group E occupancy
  - What is a Group I occupancy
  - Other classifications

# WHAT WILL BE COVERED

- **California Building Code (CBC) requirements for Group E and Group I-4**
  - Construction
  - Occupancy separation
  - Exits
  - Fire Sprinklers
  - Fire Alarm

# WHAT WILL NOT BE COVERED

- **Family Day Care or Child Care Homes**
- **No new code requirements**
  - This presentation will not introduce, propose, or establish new code requirements.
- **Design criteria for a specific facility**
  - This presentation will not review facility-specific design requirements, layouts, dimensions, or construction solutions.

# DEFINITIONS



# DEFINITION

## **Child-Care Center**

Any facility of any capacity other than a large or small family day-care home in which less than 24-hour-per-day nonmedical supervision is provided for children in a group setting.

# DEFINITION

## Day-Care

The care of persons during any period of a 24-hour day where permanent sleeping accommodations are not provided. The time period shall not be more than 24 hours.

# DEFINITION

## **Family Day-Care Home**

A home that regularly provides care, protection and supervision for 14 or fewer children, in the provider's own home, for periods of less than 24 hours per day, while the parents or guardians are away, and is either a large family day-care home or a small family day-care home.

# DEFINITION

## Occupancy Classification

The formal designation of the primary purpose of the building, structure or portion thereof.

Structures are classified into one or more occupancy groups based on the nature of the hazards and risks to building occupants.

# DEFINITION

## **Incapable of Self-Preservation**

Describes persons who, because of age, physical limitations, mental limitations, chemical dependency or medical treatment, cannot respond as an individual to an emergency situation.

# DEFINITION

## Corridor

An exit component enclosed by walls, floors, and ceilings that provides a path of exit travel.

# DEFINITION

## Egress

A continuous and unobstructed path of exit travel from any occupied portion of a building to the street.

# DEFINITION

## Occupant Load

The number of persons for which the means of egress of a building or portion thereof is designed.

# CHILD CARE NEED

- **10,552 child-care centers in California**
- **718,815 child-care spaces in California**
- **1 child-care space for every 4 children age 0-12**
- **Child-care is essential to:**
  - Workforce participation
  - Economic productivity
  - Employee retention

# CHILD CARE CENTER APPLICATIONS

- Attend Community Care Licensing Division (CCLD) CCLD Orientations
- Application Booklet for Child Care Centers (LIC281A)
- Submit to the local child care Regional Office with application fee
- Criminal Background Check clearance or exemption
- Fire Clearance
- Pre-Licensing Inspection
- License Issuance



# EXEMPTION FROM LICENSURE

- License-exempt care is not regulated by CCLD, although there may be other governmental agencies that monitor their activities
- License-exempt care providers are not required to apply to CCLD to be declared exempt and do not receive any documentation to that effect
- For questions about whether or not a facility is licensed to provide child care, you can contact your local child care Regional Office.

# COMMON TYPES OF EXEMPT CARE

- Parent cooperatives, in which families rotate care on an unpaid basis
- Public and private non-profit programs that offer recreational services
- Businesses that offer limited childcare to their clients and customers
- Programs overseen by other state agencies
- Health & Safety Code section 1596.792

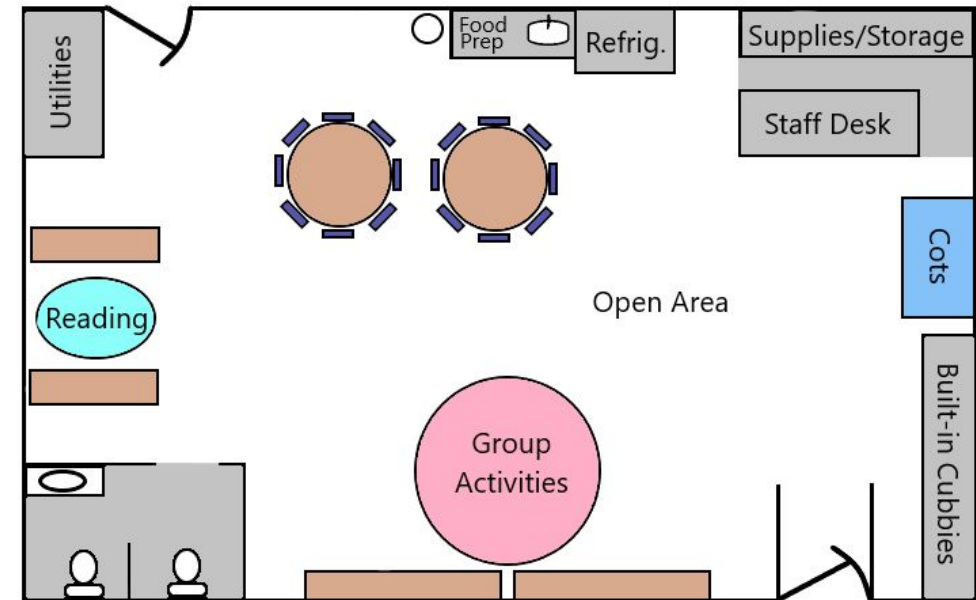


# OCCUPANCY CLASSIFICATION



# GROUP E OCCUPANCY

The use of a building or structure, or a portion thereof, for more than six persons at any one time for educational purposes through the 12th grade. (CBC 305.1)



# GROUP E, CHILD CARE

Buildings and structures or portions thereof occupied by more than six children **36 months of age** and older who receive educational, supervision or personal care services for fewer than 24 hours per day. (CBC 305.2)



# GROUP E, CHILD CARE

**A child day care facility that:**

- Provides care for more than six but not more than 100 children under 3 years of age
- On a level of exit discharge
- Equipped with an exit door directly to the exterior.

(CBC 308.5.1)

# GROUP I-4 OCCUPANCY

Buildings and structures where occupants are not capable of responding to an emergency situation without physical assistance from the staff.

**AND**

Occupied by more than six clients 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 clients cared for. (CBC 308.5)

# OTHER CLASSIFICATIONS

**Group E, child-care facilities with 5 or less children:**

- Classified the same as the primary occupancy. (CBC 305.2.2)

# OTHER CLASSIFICATIONS

## **Group E, child-care facilities in places of religion:**

- Rooms and spaces within places of religious worship providing child-care during religious functions and not licensed for child-care purposes by the Department of Social Services is classified as part of the primary occupancy. (CBC 305.2.1)

# Public School (K-12) and Community College Campuses

- The **Division of the State Architect (DSA)** is the Authority Having Jurisdiction (AHJ) for design review and construction oversight of Group E and Group I-4 occupancies on public school (kindergarten through 12<sup>th</sup> grade) and community college campuses.
- **Group E Child-Care may include:**
  - Before- and after-school care programs (typically K-12 ages)
  - Community-based child-care on public school sites
  - Child development centers on community college campuses (may include infants and toddlers)
- **Group I-4 Day Care may include:**
  - Education for persons of any age with cognitive or physical disabilities or limitations who are incapable of self-preservation
  - Care for infants and toddlers incapable of self-preservation
  - May be located on a public school (K-12) or a community college campus

# Public School (K-12) and Community College Campuses

- **DSA Review:** All new construction, additions, alterations, reconstruction, changes in use or occupancy are required to be submitted to DSA.
- DSA reviews projects across **three primary disciplines:**
  - Structural Safety (SS)
  - Fire and Life Safety (FLS)
  - Access Compliance (AC)
- DSA has **four regional offices:** Oakland, Sacramento, Los Angeles, and San Diego.
- **Pre-application meetings** are available upon request to clarify building code requirements (Title 24) for Group E and Group I-4 occupancies including type of occupancy, egress (exiting), fire-rated separations, fire alarm, and fire sprinkler requirements.
- **Note:** DSA does not perform pre-licensing inspections or issue fire clearances.

# Public School (K-12) and Community College Campuses

- **Agency Roles:** DSA and the Local Fire Authority (LFA)
  - **DSA's Authority:** Reviews and certifies the design and construction of buildings under Title 24 California Building Code standards.
  - **LFA's Mandate:** The LFA—the local fire department, fire protection district, or CAL FIRE acting as the Authority Having Jurisdiction (AHJ)—conducts the operational pre-licensing fire inspection and issues fire clearance prior to licensing.
- For **questions** about child-care or day care occupancies on public school (K-12) or community college campuses:
  - Contact your local DSA Regional Office (<https://www.dgs.ca.gov/dsa>)
  - Email DSA at: [DSAFLS@dgs.ca.gov](mailto:DSAFLS@dgs.ca.gov).

**CODE DIFFERENCES  
BETWEEN  
GROUP E  
&  
GROUP I-4**

# ALLOWABLE AREA



# E & I-4 ALLOWABLE AREA

| Allowable Area (CBC 506.2)                |                                           |
|-------------------------------------------|-------------------------------------------|
| E                                         | I-4                                       |
| SINGLE-STORY                              |                                           |
| 9,500 sq.ft.<br>Unsprinklered<br>Type V-B | 9,000 sq.ft.<br>Unsprinklered<br>Type V-B |
| 38,000 sq.ft.<br>Sprinklered<br>Type V-B  | 36,000 sq.ft.<br>Sprinklered<br>Type V-B  |

# E & I-4 ALLOWABLE AREA

| Allowable Area (CBC 506.2)                                  |                                                             |
|-------------------------------------------------------------|-------------------------------------------------------------|
| E                                                           | I-4                                                         |
| MULTI-STORY                                                 |                                                             |
| 9,500 sq.ft.<br>w/ height increase<br>Sprinklered Type V-B  | 9,000 sq.ft.<br>w/ height increase<br>Sprinklered Type V-B  |
| 28,500 sq.ft.<br>No height increase<br>Sprinklered Type V-B | 27,000 sq.ft.<br>No height increase<br>Sprinklered Type V-B |

# OCCUPANCY SEPARATION



# OCCUPANCY SEPARATION

- Fire-resistance rated walls, floor, ceilings separating adjacent occupancies.
- Required in 1, 2, 3, or 4-hour increments.
- Higher fire resistance rating required:
  - Unsprinklered occupancies
  - Between occupancies with a higher life safety or fire risk

# E & I-4 OCCUPANCY SEPARATION

| Occupancy Separation (CBC 508.4)                                  |                                                                       |
|-------------------------------------------------------------------|-----------------------------------------------------------------------|
| E                                                                 | I-4                                                                   |
|                                                                   |                                                                       |
| <b>Between E and A</b><br>Unsprinklered<br>No separation required | <b>Between I-4 and A</b><br>Unsprinklered<br>2-hr separation required |
| <b>Between E and A</b><br>Sprinklered<br>No separation required   | <b>Between I-4 and A</b><br>Sprinklered<br>1-hr separation required   |

# E & I-4 OCCUPANCY SEPARATION

| Occupancy Separation (CBC 508.4)                                          |                                                                             |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| E                                                                         | I-4                                                                         |
|                                                                           |                                                                             |
| Between E and B, F-1, M, S-1<br>Unsprinklered<br>2-hr separation required | Between I-4 and B, F-1, M, S-1<br>Unsprinklered<br>2-hr separation required |
| Between E and B, F-1, M, S-1<br>Sprinklered<br>1-hr separation required   | Between I-4 and B, F-1, M, S-1<br>Sprinklered<br>1-hr separation required   |

# E & I-4 OCCUPANCY SEPARATION

| Occupancy Separation (CBC 508.4)                                    |                                                                     |
|---------------------------------------------------------------------|---------------------------------------------------------------------|
| E                                                                   | I-4                                                                 |
|                                                                     |                                                                     |
| Between E and R-1, R-2<br>Unsprinklered<br>2-hr separation required | Between I-4 and R-1, R-2<br>Unsprinklered<br>Not permitted          |
| Between E and R-1, R-2<br>Sprinklered<br>1-hr separation required   | Between I-4 and R-1, R-2<br>Sprinklered<br>1-hr separation required |

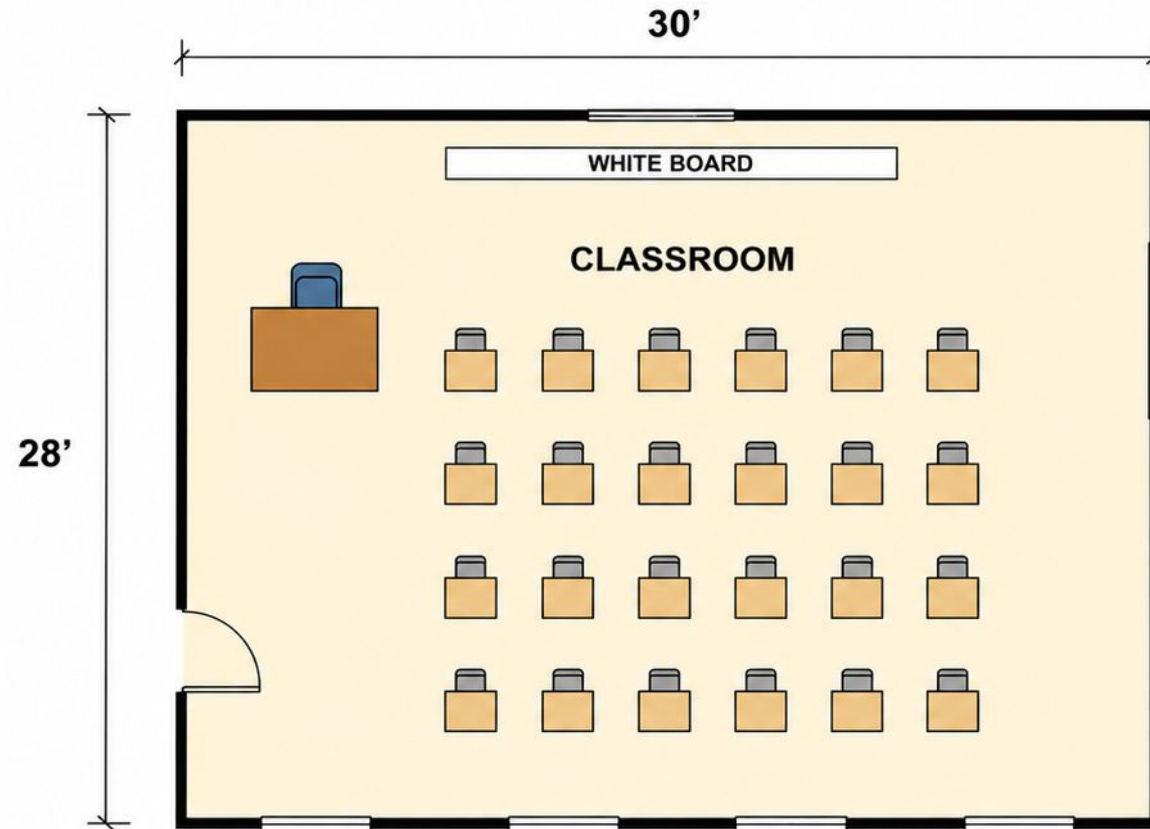
# OCCUPANT LOAD



# E & I-4 OCCUPANT LOAD FACTOR

| Maximum Floor Area Allowances Per Occupant (CBC Table 1004.5) |                    |
|---------------------------------------------------------------|--------------------|
| E                                                             | I-4                |
|                                                               |                    |
| Day Care<br>35 net                                            | Day Care<br>35 net |
| Classroom<br>20 net                                           |                    |

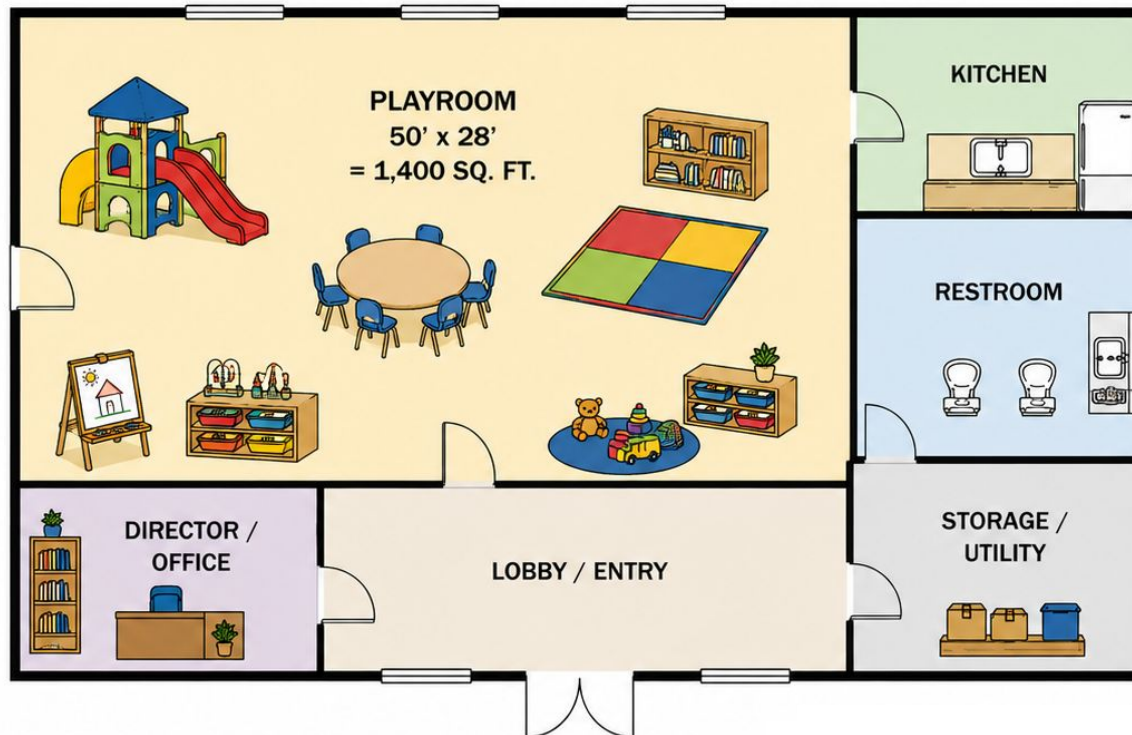
# E & I-4 OCCUPANT LOAD



 Classroom Area  
 $30' \times 28' = 840 \text{ sq. ft.}$

**Total Occupant Load:**  
 $840 \text{ sq. ft.} \div 35 \text{ sq. ft. per occupant} = \mathbf{24}$

# E & I-4 OCCUPANT LOAD



- Day Care Area
  - Playroom

Playroom Area: 50' x 28' = 1,400 sq. ft.

**Total Playroom Occupant Load:**  
 $1,400 \text{ sq. ft.} \div 35 \text{ sq. ft. per occupant} = 40$

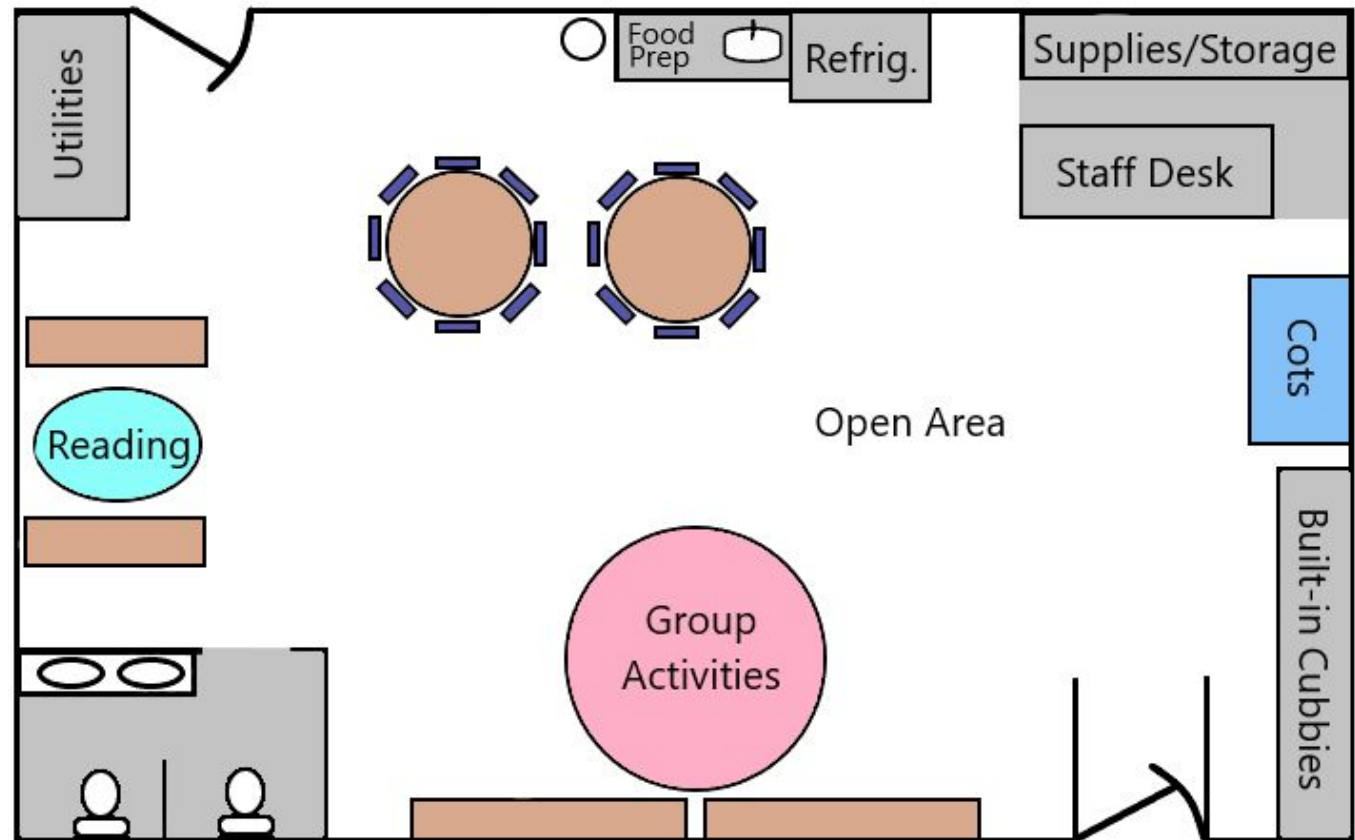
# CHILD CARE CENTER CAPACITY DETERMINATION

- Capacity requested
- Square footage - indoor activity space
- Square footage - outdoor activity space
- Numbers of toilets and sinks
- Approved by fire clearance



# CHILD CARE CENTER CAPACITY DETERMINATION (Cont.)

- Square footage -  
indoor and outdoor
- Usable space
- Encumbered space



# EXITS



# E & I-4 EGRESS

| Egress (CBC 1006.3.4)     |                           |
|---------------------------|---------------------------|
| E                         | I-4                       |
| NUMBER OF EXITS           |                           |
| 1 exit<br>< 50 occupants  | 1 exit<br>≤ 10 occupants  |
| 2 exits<br>≥ 50 occupants | 2 exits<br>> 10 occupants |

# E & I-4 EGRESS

| Egress (CBC 436 & 452)                                                                                               |                                                                                                                               |
|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| E                                                                                                                    | I-4                                                                                                                           |
| EXIT LEVEL                                                                                                           |                                                                                                                               |
| Permitted on 1 <sup>st</sup> floor                                                                                   | Permitted on 1 <sup>st</sup> floor                                                                                            |
| K-2 <sup>nd</sup> & E Child-Care permitted in Basement w/exit(s) at ground level                                     | Permitted in Basement w/exit(s) at ground level                                                                               |
| K-2 <sup>nd</sup> permitted on 2 <sup>nd</sup> floor w/ 2 exits                                                      |                                                                                                                               |
| E Child-Care permitted Above 1 <sup>st</sup> floor w/<br>Fire sprinklers<br>Fire alarm<br>Specific construction type | Permitted Above 1 <sup>st</sup> floor w/<br>Fire sprinklers<br>Fire alarm<br>Specific construction type<br>Smoke compartments |

# E & I-4 EGRESS

## Egress (CBC 1010.2)

| Egress (CBC 1010.2)                                |                                 |
|----------------------------------------------------|---------------------------------|
| E                                                  | I-4                             |
| DOOR HARDWARE                                      |                                 |
| Single action hardware required:<br>< 50 occupants | Single action hardware required |
| Panic Hardware required:<br>≥ 50 occupants         |                                 |



# E & I-4 EGRESS

| Egress (CBC 1020.2)                                                                           |                              |
|-----------------------------------------------------------------------------------------------|------------------------------|
| E                                                                                             | I-4                          |
| CORRIDORS                                                                                     |                              |
| <b>Sprinklered:</b><br>No fire rating required                                                | 1-hr rated corridor required |
| <b>Unsprinklered:</b><br>>30 occupants = 1-hour fire rated<br>≤ 30 occupants = no fire rating |                              |

# **FIRE SPRINKLERS**



# E & I-4 FIRE PROTECTION

| Fire Sprinklers (CBC 903.2.3, 903.2.6, 903.2.19 )                                                                                                                                                                                             |                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| E                                                                                                                                                                                                                                             | I-4                 |
| Public Schools, built after July 1, 2002:<br>Fire sprinklers required                                                                                                                                                                         | Sprinklers required |
| Private Schools, Public Schools built before July 1, 2002,<br>Child Care:<br>Sprinklers required if:<br><br>> 12,000 square feet<br>OR<br>> 300 occupants<br>OR<br>Located above or below exit level (i.e. basement, 2 <sup>nd</sup> + floor) |                     |

# FIRE ALARM



# E & I-4 FIRE PROTECTION

## Fire Alarm (CBC 907.2.3, 907.2.3.7, 907.2.3.10, 907.2.6, 907.2.6.4 )

E

I-4

### Public Schools:

Automatic fire alarm system w/voice evacuation

### Group I-4 on Public School Campus:

Automatic fire alarm system w/voice evacuation throughout the building

### Child Care on Public School Campus:

Automatic fire alarm w/voice evacuation system throughout the building

### Group I-4 not on Public School Campus:

Manual fire alarm system w/voice evacuation & smoke detection coverage throughout I-4 occupancy

### Child Care not on Public School Campus:

Automatic fire alarm system w/voice evacuation throughout the building

**Unsprinklered:** Automatic detectors required

**Sprinklered:** Automatic detectors not required

# REVIEW



# SUMMARY

- **Group E occupancies – Children  $\geq$  36 months**
  - May include up to 100 children  $<$  36 months when located on exit level (i.e. 1st floor) and with direct exit.
- **Group I-4 occupancies – Persons incapable of self preservation**

# SUMMARY

- **Group E and Group I-4 occupancies have different code requirements**
  - Building size (square feet & height)
  - Separation between occupancies
  - Exits
  - Fire Sprinkler
  - Fire Alarm

# RESOURCES

- **Online access to California Building and Fire Codes**
  - <https://www.dgs.ca.gov/BSC/Codes>
- **Code Development & Analysis Child Care Workgroup**
  - [Workgroups | OSFM](#)

# **Code Development & Analysis Division**

**Contact Info:**

**(916) 568-3800**

**[CodeDevelopment@fire.ca.gov](mailto:CodeDevelopment@fire.ca.gov)**



# **Community Care Licensing**

**Contact Info:**

**(916) 651-6040**

**[ChildCareAdvocatesProgram@dss.ca.gov](mailto:ChildCareAdvocatesProgram@dss.ca.gov)**

**or your local Regional Office**



# **Division of State Architect**

## **Contact Info:**

**(916) 322-5546**

**Contact your local DSA Regional Office:**  
**(<https://www.dgs.ca.gov/dsa>)**

**or**

**Email DSA at: [DSAFLS@dgs.ca.gov](mailto:DSAFLS@dgs.ca.gov).**



# QUESTIONS

