



**CODE REVIEW**  
 DATE OF REVIEW: 05/18/2020  
 CODE REVIEW BASED ON THE BELOW APPLICABLE CODES WITH GEORGIA AMENDMENTS:  
 International Building Code 2018 edition  
 International Fire Code 2018 edition  
 International Mechanical Code 2018 edition  
 International Plumbing Code 2018 edition  
 National Electrical Code 2017 edition  
 International Fire Code 2018 edition  
 International Energy Conservation Code 2015 edition  
 NFPA 101 2018 edition

OCCUPANCY:  
 S-1 (Moderate Hazard Storage)

CONSTRUCTION TYPE:  
 IBC: Type IIB Fully Sprinklered

HEIGHT AND AREA:  
 Building Area: 83,125 SF  
 Floor = 47,361 sf  
 Building Height (per IBC):  
 Stories: 3  
 Height: 37'

PER TABLES 504.4, 504.4 & 506.2  
 Area Permitted: 83,125 SF  
 Stories Permitted: 3  
 Height Permitted: 75'

OCCUPANT LOAD:  
 38.17 per Table 7.3.1.2  
 TOTAL OCCUPANT LOAD = 13

MULTIPLE OCCUPANCIES:  
 Per 5.1.1.3 (4) the office area is incidental to the predominant occupancy (Storage) and is not required to be separated.

CAPACITY OF MEANS OF EGRESS:  
 Required capacity = 13 x 0.2 + 2.5 in (38 in Min. Width)  
 Capacity provided = 504 in

CORRIDORS:  
 42.3.5: No fire rating or smoke resistance requirements. Provides an exemption to requirements of 7.1.3.1.  
 42.2.4(10): Minimum number of means of egress is 2.  
 Number of means of egress provided is 5.

ARRANGEMENT OF MEANS OF EGRESS:  
 To be in accordance with Section 7.10.1.2, except as noted in 42.2.4.  
 Dead-end corridor max = 100 ft  
 Common Path of Travel max = 100 ft

TRAVEL DISTANCE:  
 Code 42.2.2  
 Max. Travel Distance = 400 ft

CLASSIFICATION OF HAZARDOUS MATERIALS:  
 Shall be classified by ordinance and per Section 6.2.

PROTECTION FROM HAZARDOUS MATERIALS:  
 42.2.4.1  
 FIRE RESISTANT ACCESS  
 Provided per 2018

Note: State licensed installer will submit plans for the Sprinkler, Alarm and Hood and Suppression Systems to the HENRY COUNTY FIRE MARSHAL'S office for review and approval prior to installation.

DOOR	CLEAR WIDTH	CAPACITY (PERSONS)	PLAN SYMBOL
3'-0" SINGLE	22 3/4"	188	3-0 SGL 188
3'-0" PAIR	27 3/4"	336	3-0 PAIR 336
3'-6" SINGLE	28 5/8"	198	3-6 SGL 198
3'-6" PAIR	33 7/4"	336	3-6 PAIR 336
4'-0" SINGLE	45 5/8"	228	4-0 SGL 228
4'-0" PAIR	51 1/4"	455	4-0 PAIR 455

**EGRESS SUMMARY**  
 OCCUPANT LOAD = 13  
 EGRESS CAPACITY = 840  
 400 MAXIMUM TRAVEL DISTANCE (IS NOWHERE EXCEEDED)

**LEGEND**  
 X.S. = EXIT SIGN  
 F.E. = FIRE EXTINGUISHER  
 F.D.A.D. = FIRE DEPT ACCESS

**Building information:**

Occupancy classification: **S-1**

Construction type: **II-B**

Sprinklered? **Yes - NFPA 13**

Proposed number of stories: **3**

Code version: **2018 IBC**

Building perimeter lengths (ft)	Distance to property line or to far side of R.O.W. (ft)
facing north: 244.0	30.0
facing east: 195.0	30.0
facing south: 244.0	30.0
facing west: 195.0	30.0

**Allowable Areas and Heights:**  
 Allowable area per floor: **83125 sq.ft.**  
 Total allowable area: **83125 sq.ft.**  
 Maximum allowable height: **75 ft.**  
 Maximum allowable stories: **3**

- Notes:**
- Tabular per floor area limit per Chapter 5 = 17500 sq.ft.
  - Allow height = 75 ft; allow stories = 3  
 Group R and NFPA 13R? No  
 NFPA 13 sprinklers? Yes  
 I-2 with Type IIB, III, IV, or V? No  
 H1, H2, H3, or H5? No
  - Compute area increase due to frontage; frontage coefficient, If = 0.75  
 perimeter, P = 998 ft  
 'frontage' perimeter, F = 998 ft  
 weighted average distance from 'F' = 30 ft per Sec 506.2.1 width limit exception
  - Compute allowable per story area, Aa = At + (NS x If) = 83125 sq.ft.
  - Maximum allowable area = Aa x 1 = 83125 sq.ft.
  - The revised allowable height is 75 ft.

REVISIONS/ISSUANCES		
NO.	DATE	DESCRIPTION

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PROJECT:  
**HENRY COUNTY SCHOOLS - DISTRIBUTION CENTER**

CLIENT:  
**HENRY COUNTY BOARD OF EDUCATION**

SHEET TITLE:  
**LIFE SAFETY PLAN**

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 PROJECT NUMBER: 201827  
 DATE: 08.13.20  
 SCALE: AS NOTED  
 DRAWN BY: JS, LT  
 CHECKED BY: RV

SHEET NO.: **ALS.1**

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1 LIFE SAFETY FLOOR PLAN  
 SCALE: 1/16" = 1'-0"