

BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

1. GENERAL INFORMATION

Name of Project: DOLLAR TREE
 Address: 3610 MELRICH AVE COLUMBUS, GA
 Proposed Use: MERCANTILE - RETAIL
 Owner or Authorized Agent: DOLLAR TREE - OWNER THOMAS E. LATHAM - AGENT
 Phone: (251) 344-7073 Fax: (251) 343-9179 E-mail: tlatham@cglengineers.com
 Contractor: TO BE DETERMINED
 Address:
 Phone: Fa: State License No:

2. LEAD DESIGN PROFESSIONAL:

Designer	Name	License	Phone
Arcitectural	LINDA G. SNAPP	7483	251 344 7073
Civil	JOEL DAVID WOMACK	039141	706 565 5985
Electrical	ANTHONY D. GIPSON	29430	931 454 9940
Fire Alarm	ANTHONY D. GIPSON	29430	931 454 9940
Plumbing	BILLY D. OLIVER	22848	931 454 9940
Mechanical	BILLY D. OLIVER	22848	931 454 9940
Standards	N/A	N/A	N/A
Structural	THOMAS E. LATHAM	16350	251 344 7073

3. GENERAL CODE DATA

3.1 Building and Fire Codes used in design

2012 INTERNATIONAL BUILDING CODE
 2011 NATIONAL ELECTRIC CODE
 2012 INTERNATIONAL MECHANICAL CODE
 2012 INTERNATIONAL PLUMBING CODE
 2012 INTERNATIONAL FIRE CODE
 2009 GEORGIA ENERGY CONSERVATION CODE

3.2 Construction Description

New Construction
 Renovation (Existing Bldg.)
 Tenant Building
 Alteration
 Addition

SCOPE OF WORK:

NEW BUILDING INCLUDING SITE, STRUCTURAL, ARCHITECTURAL AND INTERIOR, MECHANICAL, PLUMBING AND ELECTRICAL.

3.2.1 Existing Buildings

The building will remain in operation during construction Yes No

3.2.2 Renovations

Is the work in this building or space a change of occupancy Yes No

3.2.3 Historic Buildings

This building is a Historic Building Yes No

3.2.4 Compliance Alternatives-Section 3412

Provide building evaluations when existing building does not meet current codes and renovations will not meet all requirements of current building code. Provide evaluation of existing building and a second evaluation reflecting the design fire resistance of the building. Call the architect/engineer to give the building a positive score for fire safety, means of egress, and general safety. Call the architect/engineer if the building is not reviewed at evaluation is reviewed or not. Include the design engineer's seal (Title 3410.7) on drawings including a license calculation.

4. BUILDING DATA

Construction Type: IA, IB, IIA, IIB, IIIA, IIIB, IV, VA, VB
 Mixed Construction: X No Yes T es
 Sprinklers: X No Yes Partial
 Stem Type: 13, 13R, 13D
 Standoffs: X No Yes Wet Dr Class Com ined
 Building Height: 20'-0" (28'-0" TO TOP OF PARAPET) Feet 1 N m er of Stories
 Mechanical: X No Yes
 High Rise: X No Yes
 Atrium: X No Yes
 Basement: X No Yes

5. OCCUPANCY CLASSIFICATION

Assembly: 303, A-1, A-2, A-3, A-4, A-5
 Business: 304
 Education: 305
 Factor Industrial: F-1, F-2
 High-Rise: 307, H-1, H-2, H-4, H-5
 Institutional: 308, I-1, I-2, I-4
 I-3 Use Condition: 1, 2, 4, 5
 Mercantile: 309
 Residential: 310, R-1, R-2, R-3, R-4
 Storage: 311, S-1, S-2, S-3
 Utility and Miscellaneous: 312
 Parking Garages: 402, 406.3, Enclosed 406.4, Reinforced 406.6

6. SPECIAL REQUIREMENTS

S-2 Enclosed Parking Garage w/S-2 Occupancy
 Unlimited height for B, M and R
 Parking Beneath R-2, T-2, IIIA, R-2, T-2, IIA
 Occupancy: A, I, B, M and R
 S-2 enclosed parking with A, B, M or R above

5.2 Mixed Occupancy

Identify whether are single revisions of Non-separated or Separated sections using an "allow" or "design" choice.

X Non-Separated Mixed Occupancy (508.3.2 Section)

There are no construction for the buildings all determined by the building type and area limitations for each of the applicable occupancy to the entire building. The most restrictive of the construction, so determined, shall apply to the entire building.

Separated Mixed Occupancy (508.4)

Each portion of the building shall be individually classified as to separate and all egress paths shall be separated from adjacent areas by fire barrier walls or fire-rated assemblies or other fire-resistance rating determined in accordance with Table 508.3.3 for the building. For each story, the area of the occupancy shall be separated by fire-rated walls or fire-rated assemblies at floor area of each story divided to allow the floor area for each story all not exceed

Incidental Use Areas (Table 508.2.5)

Actual Area of Occupancy A: _____ Actual Area of Occupancy B: _____
 Allowable Area of Occupancy A: _____ Allowable Area of Occupancy B: _____

6. ALLOWABLE AREA AND HEIGHT-TABLE 503

6.1 Allowable Area

Allowable area: 12,500 S.F. (BASED ON M OCCUPANCY)
 Actual area: 9,945 S.F.

6.2 Allowable Height

Allowable height: 55 Ft
 Allowable no. of stories: 2
 Actual building height: 20'-0"
 Actual no. of stories: 1

7. OCCUPANT LOAD

Occupant Load / floor = 281 persons (8,281 S.F. @ 30 GROSS PER S.F. = 275)
 (1,702 S.F. @ 300 GROSS PER S.F. = 6)

8. FIRE PROTECTION REQUIREMENTS

8.1 Table 601

Building Element Req'd Rating UL No.*

Structural frame, including columns, girders, trusses	0	0
Bearing Walls	0	0
Exterior	0	0
Interior	0	0
Non-bearing walls and partitions	0	0
Exterior	0	0
Interior	0	0
Floor Construction (including supporting beams and joists)	0	0
Roof construction (including supporting beams and joists)	0	0

8.2 Other Rated Elements

Element	UL Ho r l Rating	UL N m er
Interior Walls		
Bearing Walls	N/A	
Non-bearing Walls	N/A	
Exterior Walls (Part of Table 602)	N/A	
Ceiling-Fans	N/A	
Beams	N/A	
Columns	N/A	
Ceiling Joists	N/A	
Scaffolding	N/A	
Scaffolding or Corridor Separation	N/A	
Occupancy Separation	N/A	
Partitions/Fire Wall	N/A	
Separation:	N/A	
Smoke Barrier	N/A	
Separation:	N/A	
Tenant Separations:	N/A	

Or other approved agencies

FOOTNOTES

- All fire-rated walls shall be identified on plans, including, shading, etc.; see legend.
- Identify code section when using an special exceptions, etc.

8.3 Drafting

Drafting in floor (718.3) Yes X No
 Drafting in attic (718.4) Yes X No

8.3.1 Distance to Projection Line from Exterior Wall (Table 602)

(Site Plan/Reference Plan required)
 Fire Separation Distance: MIN. 10 Ft
 Fire Resistance Rating: 0 Hrs

8.4 Life Safety Stairs

1006 Emergency Lighting: No X Yes
 1011 Egress Signs: No X Yes
 907.2.6.3.3 Smoke Detection Stairs: No X Yes
 1008.1.9 Panic Hardware: No X Yes

9. EXIT REQUIREMENTS

9.1 Egress Access (1014)

SALES AREA
 No. of egress doors: 2
 No. of egress windows: 2
 STOCKROOM
 No. of egress doors: 1
 No. of egress windows: 1

9.2 Means of Egress (1005)

SALES AREA
 Units of Egress: 5 inc es
 Units of Egress: 10 inc es
 Stair width: N/A inc es
 Stair width: N/A inc es
 STOCKROOM
 Units of Egress: 1.4 inc es
 Units of Egress: 68 inc es
 Stair width: N/A inc es
 Stair width: N/A inc es

9.3 Driveway

Meets 1014.1 X Yes No

9.4 Travel Distance (Table 1016.1)

SALES AREA
 Allowable Travel Distance: 200 (NON-SPRINKLERED) Ft
 Actual Travel Distance (Maximum): 114'-6"

STOCKROOM
 Allowable Travel Distance: 75 (NON-SPRINKLERED) Ft
 Actual Travel Distance (Maximum): 73'

9.5 Stairs with one means of egress (1015)

For buildings with one means of egress, I have checked the occupant load against Table 1015.1 and the common area of travel against the requirements 1014.3 Yes No

10. LIFE SAFETY PLAN

Provided Yes X No (If Yes, Drawing No.)

11. ACCESSIBILITY (Chapter 11)

Design conforms to ANSI Standard 117.1. X Yes No
 If no, explain condition that will not allow building to be accessible.

12. DESIGN LOADS

Classification of Building Category/Use Group: MERCANTILE/RETAIL - II (I, II, III, IV)

Live Load

Roof: 20 PSF
 Attic: N/A PSF
 Mechanical: N/A PSF
 Floor: 100 PSF

Snow Load

Ground: 5 PSF

Wind Load: Basic Speed: 115 MPH (ASCE-7-10 Edition)

Exposure: B Importance Factor: 1.0

Internal Pressure Coefficient: 0.18

Components & Cladding: METAL BUILDING FRAME & METAL STUDS

Building will be designed as X Enclosed Building Unenclosed Building

Wind Borne Debris Region (1609.1.2)

This building will be impact resistant glass per 1609.1.2. Yes X No

This building will be wood structural panels per Section 1609.1.2. Yes X No

This building will be sheetrock. Yes X No

Allowable soil bearing: 2000 pounds / sq. ft.

Soil Report: X Yes No

Earthquake Design (1613)

Seismic Design Load Controls: Yes X No

If seismic design controls, firm data recorded in 1603.1.5.

13. SPECIAL DETAILED REQUIREMENTS




I have reviewed the special detail requirements in Section 4 and indicated below and incorporated the revisions in the design.

REQUIREMENT APPLICABLE (Yes or N/A)

402 Covered Mall Buildings	N/A
403 High Rise Buildings	N/A
404 Atriums	N/A
405 Under Ground Buildings	N/A
406 Motor Vehicle Fuel Dispensing Facilities	N/A
407 Group I-3	N/A
409 Motion Picture Projection Rooms	N/A
410 Stairs & Platforms	N/A
411 Special Amusement Buildings	N/A
412 Aircraft Related Occupancies	N/A
413 Commercial Storage	N/A
414 Hazardous Materials	N/A
415 Groups H-1, H-2, H-3, H-4, & H-5	N/A
417 Drinking Rooms	N/A
418 Organic Coatings	N/A

14. SAFETY GLAZING FOR HAZARDOUS LOCATION

I have identified on drawings where tempered glass is required in hazardous locations. (2406.3) Yes X No

 3801 SPRING HILL AVENUE MOBILE, ALABAMA 36688 (251) 344-7073 / FAX (251) 343-9179	REV.	DATE	DESCRIPTION	 LINDA G. SNAPP REGISTERED PROFESSIONAL ARCHITECT 8-8-17	 DOLLAR TREE COLUMBUS, GA BUILDING CODE SUMMARY	PROJ. NO. 1605-84 DWG. NO. T-3
	8-8-17	LGS	DESCRIPTION			
DOCUMENT CONTROL						