

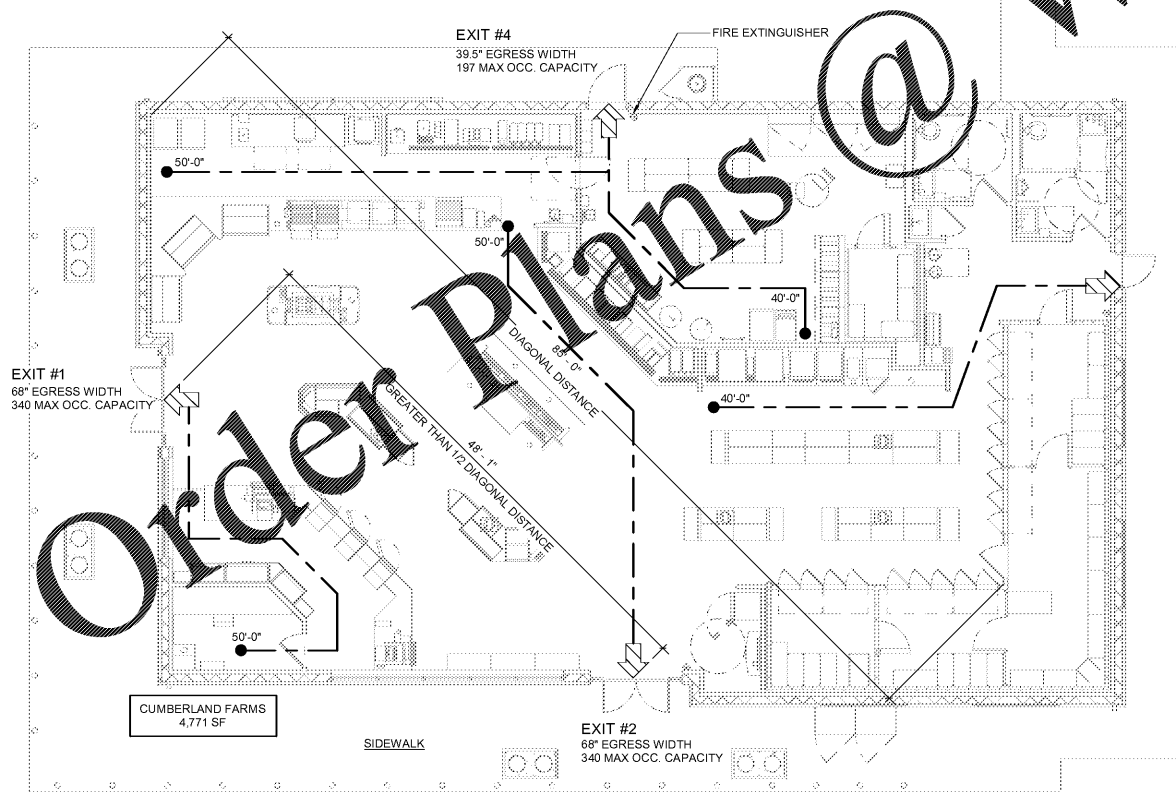
GENERAL NOTES

- LARSON MODEL MP10; 10 L13 MULTIPURPOSE DRY CHEMICAL UNIT FIRE EXTINGUISHER WITH WALL MOUNTING BRACKETS; UL RATING 4A-80B.C. OR OTHER APPROVED EQUAL.
- FIRE EXTINGUISHERS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 10 AND MANUFACTURER'S INSTRUCTIONS.
- FIRE EXTINGUISHERS SHALL BE INSTALLED BY GENERAL CONTRACTOR WITH FINAL PLACEMENT TO BE COORDINATED IN THE FIELD BY THE CONTRACTOR WITH THE LOCAL AUTHORITY HAVING JURISDICTION.

**Cumberland Farms
(4771 SF)**

Florida Code Analysis (updated 04/16/18)

Applicable Building Code	Florida Building Code 2017 6th Edition					
Applicable Structural Code	Florida Building Code 2017 6th Edition					
Applicable Accessibility Code	Florida Accessibility Code 2017					
Applicable Energy Code	Florida Energy Conservation Code 2017					
Applicable Plumbing Code	Florida Building Code 2017 6th Edition					
Applicable Mechanical Code	Florida Building Code 2017 6th Edition					
Applicable Fire code	Florida Fire Prevention Code 2017 6th Edition					
Applicable Electric Code	NEC 2014 Edition					
Project Summary	The subject building is new construction of 1 story, Type 5B construction - combustible, unprotected. The proposed occupancy is M - Mercantile.					
Basic Building Characteristics						
Plan Area (First Floor Foot Print)	4,771 square feet					
Number of Floors	1					
Use or Occupancy Classification						
Use or Occupancy Classification (Chapter 3)	M - Mercantile					
General Building Heights and Areas (Chapter 5)						
Area Limitation and Modification (Table 504.3, 504.4 and 506.2)	The areas limited by table 503 shall be permitted to be increased due to frontage (If) and automatic sprinkler system protection (Is) in accordance with the following: $A_a = [A_t + (A_{t1})] + [A_t X]$ Allowable Area per floor, construction (Type 5B) Proposed Area per floor: 9,000 Sq. Ft. / 4,771 Sq. Ft. A_t = Tabular area per story in accordance with Table 503 (square feet) not taken Area increase factor due to frontage as calculated in accordance with Section 506.2 not taken Area increase factor due to sprinkler protection as calculated in accordance with Section 506.3 not taken When a building has more than 25 percent of its perimeter on a public way or open space having a minimum width of 20 feet, the frontage increase shall be determined in accordance with the following (the maximum value of W/30 is 1): not taken $W/30 \leq [F/P - 0.25] W / 30$					
Construction Type (Chapter 6)						
Construction Type	5B					
Construction Requirements (Chapters 6, 7 AND 10)						
Structural Frame Including Columns, girders and trusses	Table 601 0 hour					
Bearing Exterior Walls	Separation Distance Greater than 30 feet (Table 602) 0 hour					
Exterior wall openings	Maximum area of unprotected exterior wall openings (Table 705.8) No Limit					
Floor Construction Including supporting beams and joists	Table 601 0 hours					
Roof Construction Including supporting beams and joists	Table 601 0 hours					
Interior Finishes (Chapter 8)						
Interior Finish Requirements (Table 803.5)	Rooms and enclosed spaces Class C or Better					
Fire Protection Systems (Chapter 9)						
Sprinkler System (903.2.7)	An Automatic sprinkler system shall be provided throughout buildings containing a Group M occupancy where the Group M fire area exceeds 12,000 square feet. (Not Required building SF = 4,771 square feet)					
Egress (Chapter 10)						
Length of Exit Access Travel (Table 1017.2)	With Out Fire Sprinkler System Occupancy M 200 feet					
Occupancy Capacity of Exits and Number of Exits						
Space	Use	Occupancy load (Table 1004.1.2)	Means of Egress Sizing		No of Exits Required (1006) / Provided	Remoteness (1007.1.1)
			Stairs (Table 1005.3.1)	Doors (Table 1005.3.2)		
Mercantile Area (Public)	M	2771 sf / 60 gross = 46 persons	N/A	46 x 0.2" = 9.2" 32" Min.	No of Exits Required 2. 4 Exits provided: 2@68" 1@39.5" 1@33.5" = 209"	Exit separation= Bldg. Diag x 1/2 Exit separation= (See Plan on this Sheet) Conforms
Utility Area (Non-Public)	M	2000 sf / 300 gross = 6 persons	N/A	6 x 0.2" = 1.2" 32" Min.		
Minimum Required Egress Width Egress width per occupant (1005)			Doors (1005.3.2)		Stairways (1005.3.1)	
			0.2"		0.3"	
Minimum width:			44"		NA	
- Exit Passageway (1024.2)			NA		32" clear	
- Stairway (1011.2)						
- Egress door (1010.1.1)						
2017 Florida Building Code, Energy Conservation, 6th Edition						
Table 301.1 - Climate Zone 2A						
Building Envelope Requirements - Opaque Assemblies (Tables C402.1.3, C402.1.4 & C402.4)						
Roofs - Insulation entirely above deck						R-25 ci
Walls Above Grade - Wood framed and other (max)						0.151 U-Value (Mass Walls) / 0.077 U-Value (Metal Framed Walls)
Unheated Slab on Grade Floors						NR
Opaque Door - swinging (max)						0.61 U-Value
Attic Insulation						R-38
Building Envelope Requirements - Fenestration (Table C402.4)						
New Window Assemblies Projection Factor <0.2						0.5 U-Value (max)
						Entry Doors: 0.83 U-Value (max)
						0.25 SHGC (SEW) / 0.33 SHGC (N)
Provided Fixtures						
Plumbing (2017 Florida Building Code Ch. 29)						
Minimum Number of Fixtures Required (Table 2902.1)	Classification	Fixture Type	Min. Required (Table 1)	Occupants	Fixtures Required	Fixtures Provided
	Mercantile	Water Closets	Female 1 per 500	26	1	1
			Male 1 per 500	26	1	1
		Urinals	<50% of fixt.			1
		Lavatories each sex	1 Per 750	26 each sex	1 ea.	1 in Women's / 2 in Men's
		Drinking Fountain	1 Per 1,000	52	1	2



1 EGRESS PLAN
1/8" = 1'-0"

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Cumberland
Store Number: 9747
8090 US 1
Mico, FL 32976
JOB NUMBER: 41-17-0090

ISSUE BLOCK

CLIENT REVIEW	08/30/19
100%	09/27/19

CHECKED BY: JEO
DRAWN BY: ZC
DOCUMENT DATE: 9/27/19

CODE SUMMARY & EGRESS PLAN

SHEET:
G001