

2015 INTERNATIONAL BUILDING CODE

DISTANCE OF TRAVEL - TABLE 1017.2

IBC, SPRINKLERED	250'
------------------	------

OCCUPANCY LOAD CALCULATIONS - TABLE 1004.1.1:

GROUND FLOOR RETAIL SALES:	142,781	SF / 60 = 2,381
OUTDOOR FENCED SALES:	8,610	SF / 60 = 144
TRAINING:	488	SF / 15 = 33
BREAKROOM:	1,301	SF / 15 = 87
KITCHEN:	6,036	SF / 200 = 30
OFFICE:	7,523	SF / 100 = 75
STOCKROOMS:	19,992	SF / 300 = 67
AUTO SERVICE CENTER:	6,006	SF / 100 = 60

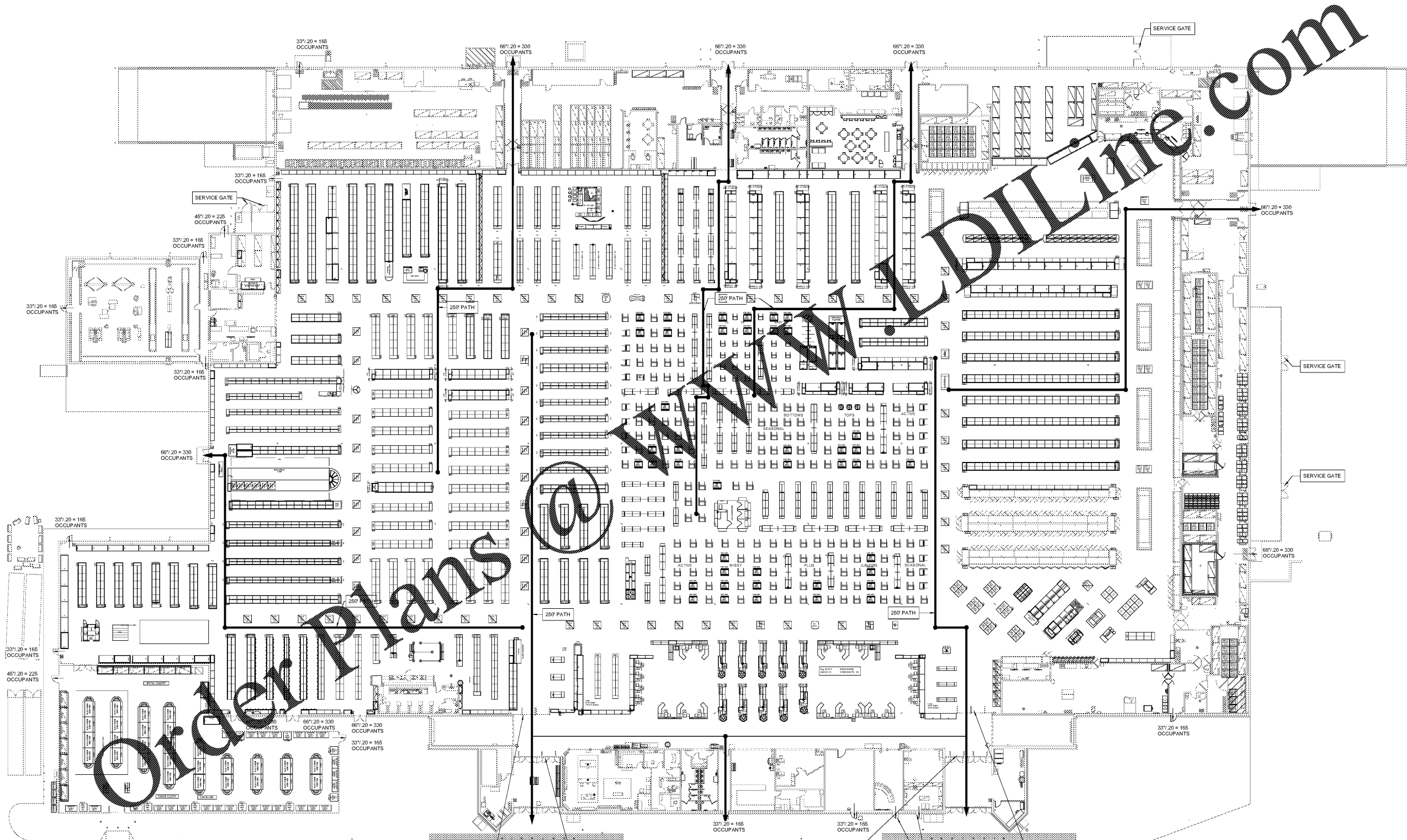
TOTAL OCCUPANT LOAD	2,877
---------------------	-------

EGRESS WIDTH REQUIRED - 1005.3.2:

EGRESS INCHES REQUIRED (IBC)	0.20	INCHES PER PERSON SERVED (SPRINKLERED, MERCANTILE)
MINIMUM CLEAR WIDTH =	33"	FOR 3'-0" DOOR OPENING
	45"	FOR 4'-0" DOOR OPENING
EGRESS WIDTH REQUIRED (INCHES) EQUALS (AREA OCCUPANT LOAD) X (EGRESS WIDTH PER PERSON SERVED)		
GROUND FLOOR SALES / KITCHEN:		
2,411 OCCUPANTS	X 0.20	= 482 INCHES REQUIRED
11 3'-0" DOORS	X 33	= 363 INCHES PROVIDED
4 129.5" SLIDING MINUS 7.5" BOLLARDS	X 122	= 488 INCHES PROVIDED
OUTDOOR FENCED SALES:		
144 OCCUPANTS	X 0.20	= 29 INCHES REQUIRED
1 3'-0" DOORS	X 33	= 33 INCHES PROVIDED
1 4'-0" DOORS	X 45	= 45 INCHES PROVIDED

STOCKROOMS / OFFICE / TRAINING / BREAK ROOM:

262 OCCUPANTS	X 0.20	= 52 INCHES REQUIRED
4 3'-0" DOORS	X 33	= 132 INCHES PROVIDED
AUTO SERVICE CENTER:		
60 OCCUPANTS	X 0.20	= 12 INCHES REQUIRED
3 3'-0" DOORS	X 33	= 99 INCHES PROVIDED
1 4'-0" DOORS	X 45	= 45 INCHES PROVIDED
TOTAL:		
2,877 OCCUPANTS	X 0.20	= 575 INCHES REQUIRED
19 3'-0" DOORS	X 33	= 627 INCHES PROVIDED
2 4'-0" DOORS	X 45	= 90 INCHES PROVIDED
4 129.5" SLIDING MINUS 7.5" BOLLARDS	X 122	= 488 INCHES PROVIDED



1 LIFE SAFETY PLAN
1" = 20'-0"

GM GATE
1507.15 = 750 OCCUPANTS
ENTRY GATES RELEASE IN EVENT OF ALARM BEING SET OFF DURING POWER FAILURE.

ENTRY VESTIBLES
321" EGRESS PROVIDED AT THE NARROWEST POINT.
GM VESTIBULE 160" + GR VESTIBULE 161" = 321" = 1,605 OCCUPANTS ALLOWED.

GR GATE
1507.15 = 750 OCCUPANTS
ENTRY GATES RELEASE IN EVENT OF ALARM BEING SET OFF DURING POWER FAILURE.

PER NFPA - EGRESS FOR ONE HALF OF BUILDING OCCUPANTS SHALL BE PROVIDED THROUGH THE FRONT WALL OF THE BUILDING.
TOTAL INDOOR OCCUPANTS = 2,877
1/2 OF TOTAL OCCUPANTS = 1,439
EGRESS INCHES REQUIRED = 288
EGRESS INCHES PROVIDED = ENTRY VESTIBULES 321" + 7 EGRESS DOORS 231" = 624"

SGA Design Group, P.C.
1437 South Boulder, Suite 550
Tulsa, Oklahoma 74116
Tel: (918) 437-8800
Fax: (918) 437-8901
www.sgadesigngroup.com

STIPULATION FOR REUSE
THIS DRAWING IS THE PROPERTY OF SGA DESIGN GROUP, P.C. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. IT IS NOT TO BE REPRODUCED, COPIED, REUSED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF SGA DESIGN GROUP, P.C.

CONSULTANTS

Walmart
PRATTVILLE, AL
1903 COBBES FORD RD
STORE NO. 0465-249
2084888 | PHOTO
2021 MAJOR PROJECT

ISSUE BLOCK

NO.	DESCRIPTION	DATE

CHECKED BY: T.P. ROYAL
DRAWN BY: CMD
PROTO CYCLE: 01/29/21
DOCUMENT DATE: 03/31/21

THE RECORD COPY OF THIS DRAWING IS KEPT AT THE OFFICES OF SGA DESIGN GROUP. THIS ELECTRONIC DOCUMENT IS RELEASED FOR THE PURPOSES OF REFERENCE, COORDINATION, AND/OR FACILITY MANAGEMENT. THIS DRAWING SHALL NOT BE CONSIDERED PART OF ANY CONTRACT UNLESS IT IS SIGNED AND SEALED BY THE ARCHITECT.

STATE OF ALABAMA
ARIANE V. TATTERSHALL
8016
Ariane Tattershall
03/31/2021

LIFE SAFETY PLAN

SHEET: LS1