



**EGRESS DATA:**  
 NEW MERCANTILE, UNSPRINKLERED  
 OCCUPANCY LOAD=141

OCCUPANCY LOAD CALCULATIONS 2012 (IBC 1004.1.2)			
OCCUPANCY TYPE	AREA	OCC. / SF	OCC. LOAD
BUSINESS	179 SF	100	2
MERCANTILE	3688 SF	30	130
MERCANTILE (FOOD PREP)	1365 SF	200	7
STORAGE	817 SF	300	2
	6049 SF		141

**EGRESS CAPACITY:**  
 MINIMUM EGRESS CAPACITY (IBC 1005.2.3)  
 REQUIRED = 28.2' (OCCUPANT LOAD MULTIPLIED BY 0.2)  
 PROVIDED = 108' (EXIT A = 72'; EXIT B = 36')

**ARRANGEMENT OF EXITS**  
 SEPARATION DISTANCE (IBC 1015.2.1) AT LEAST TWO EXITS SHALL HAVE A MINIMUM SEPARATION NOT LESS THAN ONE-HALF OF THE OVERALL LENGTH OF THE SPACE  
 OVERALL DIAGONAL DISTANCE = 110 FEET  
 MIN. REQ'D DISTANCE BETWEEN EXITS = 55 FEET (110 / 2)  
 PROVIDED DISTANCE BETWEEN EXITS = 65 FEET

**TRAVEL DISTANCES**  
 MAXIMUM TRAVEL DISTANCE FOR OCCUPANCY M, UNSPRINKLERED = 200 FEET (IBC 1016.2)  
 ACTUAL LONGEST TRAVEL DISTANCE = 99 FEET

**EMERGENCY SIGNAGE AND LIGHTING**  
 1. REFER TO SHEER E2 FOR EMERGENCY LIGHTING AND EXIT SIGN LOCATION.  
 2. EXIT LIGHTS ARE TO BE MOUNTED AT THE GREATEST HEIGHT ALLOWABLE AND IN COMPLIANCE WITH CODES. EXIT LIGHTS LEADING FROM THE SALES FLOOR SHALL BE VISIBLE ABOVE STOCK AISLES.

**FINISH CLASSIFICATIONS**  
 1. CLASS B FINISHES AT EXIT ENCLOSURES & EXIT PASSAGEWAYS (FLAME SPREAD 26-75; SMOKE DEVELOPMENT 0-450)  
 2. CLASS B FINISHES AT CORRIDORS (FLAME SPREAD 26-75; SMOKE DEVELOPMENT 0-450)  
 3. CLASS C FINISHES AT ROOMS AND ENCLOSED SPACES (FLAME SPREAD 75-200; SMOKE DEVELOPMENT 0-450)

Order Plans @ www.LDILine.com

1925 Prospect Ave.  
 Orlando, FL 32814  
 P (407) 661-9100  
 F (407) 661-9101  
 www.c-p.com

**Chiaci & Peterson**  
 Architects Engineers Planners

---

CLIENT NAME  
**WAWA**  
 280 W. BALTIMORE PIKE  
 WAWA, PA 19063

PROJECT NAME  
**W50FB-VA 2018.01-MA**  
**STORE #6668-SUD**  
 10091 DAVIDSON PLACE  
 MANASSAS, VA 20109

---

PROJECT NO.  
2170594

DATE  
01/04/2019

DRAWN  
Author

CHECKED  
Checker

REVISION SCHEDULE

No.	Description	Date
1.	PERMIT SET	01/04/2019
1.	PERMIT COMMENTS	03/15/2019
	BID SET	08/27/2019

---

LS