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**LIFE SAFETY NOTES**

**BUILDING OCCUPANCY:**

RETAIL / DRUG STORE: MERCANTILE, OCCUPANCY GROUP M

**CONSTRUCTION TYPE:**

RETAIL / DRUG STORE: TYPE VB, UNPROTECTED, FULLY SPRINKLERED.

**GROSS SQUARE FOOTAGES:**

RETAIL / DRUG STORE:

INTERIOR GROSS FLOOR AREA: 13,625 SQ. FT.

EXTERIOR GROSS FLOOR AREA: 14,175 SQ. FT.  
(13,937 USEABLE SQ. FT.)

**EXIT ANALYSIS:**

MAXIMUM OCCUPANT LOAD:

AREAS OPEN TO PUBLIC: 30 SQ.FT./PERSON

GENERAL SALES AREA:  
11,649 SQ.FT. / 30 SQ.FT. = 389 OCC.

AREAS NOT OPEN TO PUBLIC: 300 SQ.FT./PERSON

STORAGE, RECEIVING, COOLERS/FREEZERS, ELECTRICAL ROOM:  
1,651 SQ.FT./300 SQ.FT. = 6 OCC.

PUBLIC RESTROOM (NOT INCLUDED IN CALCULATION)  
325 SQ. FT.

2007 FBC CHAPTER 2 DEFINITIONS OF THE COMMENTARY - VOL. 1 - OCCUPIABLE SPACE STATES \* OCCUPIABLE SPACES ARE THOSE AREA DESIGNED FOR HUMAN OCCUPANCY. BASED ON THE NATURE OF THE OCCUPANCY, VARIOUS CODE SECTIONS APPLY. ALL HABITABLE SPACES ARE ALSO CONSIDERED OCCUPIABLE (SEE DEFINITION OF \* HABITABLE SPACE\*); HOWEVER, ALL OCCUPIABLE SPACES ARE NOT HABITABLE. ADDITIONALLY, SOME SPACES ARE NEITHER HABITABLE NOR OCCUPIABLE, SUCH AS CLOSETS, TOILET ROOMS AND MECHANICAL EQUIPMENT ROOMS.

TOTAL OCCUPANT LOAD: 395 OCC

EXITS AND MEANS OF EGRESS:

TOTAL EGRESS WIDTH REQUIRED: (0.2' PER OCCUPANT)

395 OCC x 0.2' = 79' MIN EGRESS WIDTH

TOTAL EGRESS WIDTH PROVIDED: 158.5' (4 EXITS PROVIDED)

MIN REQUIRED EGRESS WIDTH PROVIDED:

FRONT ENTRANCE TOTAL BREAKOUT WIDTH = (2 UNITS x 39') = 78'

SECONDARY EXIT FROM SALES FLOOR = (1) x 42.25' = 42.25'

TOTAL EGRESS PROVIDED IN SALES AREA: 39' + 39' + 42.25' = 120.25'

(REQUIRED IS 79')

SECTION 1005.1.1.50% OF TOTAL EXIT CAPACITY OF 79' MUST BE ABLE TO EXIT THROUGH A SECONDARY EXIT IF THE PRIMARY BECOMES BLOCKED. THEREFORE SECONDARY EXIT MUST PROVIDE A MIN OF 39.5' EXIT CAPACITY. SECONDARY EXIT PROVIDE = 42.25' CLR.

TOTAL EXIT WIDTHS PROVIDED:

(1) = 39'

(2) = 39'

(3) = 42.25'

(4) = 36.25' (FOR STOCK ROOM ONLY)

**PLUMBING FACILITIES:**

TOTAL OCCUPANT LOAD: 395 / 2 = 197.5 EA. 5BX

RETAIL / DRUG STORE:

OCCUPANT LOAD: 197.5 OCCUPANTS

WATER CLOSETS (MALE): 1/500 = 1

WATER CLOSETS (FEMALE): 1/500 = 1

LAVATORIES (MALE): 1/750 = 1

LAVATORIES (FEMALE): 1/750 = 1

DRINKING FOUNTAINS: 1/1000 = 1

PROVIDED: 1 + 1 URINAL  
PROVIDED: 2  
PROVIDED: 2  
PROVIDED: 2

**SECTION 506 AREA MODIFICATIONS**

506.1 General. The area limited by Table 503 shall be permitted to be increased due to frontage (F) and automatic sprinkler system protection (I) in accordance with the following:

$$A_o = A_t + \left[ \frac{A_d F}{100} \right] + \left[ \frac{A_d I}{100} \right] \quad \text{(Equation 5-1)}$$

where:

A<sub>o</sub> = Allowable area per floor (square feet).

A<sub>t</sub> = Tabular area per floor in accordance with Table 503 (square feet).

F = Area increase due to frontage (percent) as calculated in accordance with Section 506.2.

I = Area increase due to sprinkler protection (percent) as calculated in accordance with Section 506.3.

506.2 Frontage Increase. Every building shall adjoin or have access to a public way to receive an area increase for frontage. Where a building has more than 25 percent of its perimeter on a public way or open space having a minimum width of 20 feet (6096 mm), the frontage increase shall be determined in accordance with the following:

$$I_f = 100 \left[ \frac{F}{P} - 0.25 \right] \frac{W}{30} \quad \text{(Equation 5-2)}$$

where:

I<sub>f</sub> = Area increase due to frontage.

F = Building perimeter which fronts on a public way or open space having 20 feet (6096 mm) open minimum width (feet).

P = Perimeter of entire building (feet).

W = Width of public way or open space (feet) in accordance with Section 506.2.1.

506.2.1 Width Limits. W must be at least 20 feet (6096 mm) and the quantity W divided by 30 shall not exceed 1.0. Where the value of W varies along the perimeter of the building, the calculation performed in accordance with Equation 5-2 shall be based on the weighted average of each portion of exterior wall and open space where the value of W is between 20 and 30 feet (6096 and 9144 mm).

Exception: The quantity of W divided by 30 shall be permitted to not exceed 2.0 when all of the following conditions exist:  
1. The building is permitted to be unlimited in area by Section 507; and  
2. The only provision preventing unlimited area is compliance with the 60-foot (18 288 mm) public way or yard requirements, as applicable.

506.3 Automatic sprinkler system Increase. Where a building is equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1, the area limitation in Table 503 is permitted to be increased by an additional 200 percent (I<sub>s</sub> = 200 percent) for multistory buildings and an additional 300 percent (I<sub>s</sub> = 300 percent) for single-story buildings. These increases are permitted in addition to the height and story increase in accordance with Section 504.2.

**CALCULATED AREA MODIFICATIONS**

A <sub>o</sub>	=	38,160	sq. ft.	(See calculation below)
A <sub>t</sub>	=	9000	sq. ft.	
I <sub>f</sub>	=	24.00		(See calculation below)
I <sub>s</sub>	=	300		(Value entered for multistory, sprinklered building)
F	=	240	%	
P	=	480	%	
W	=	28.8	ft.	

$$I_f = 100 \left[ \frac{F}{P} - 0.25 \right] \frac{W}{30}$$

$$= 100 \left[ \frac{240}{480} - 0.25 \right] \frac{28.8}{30}$$

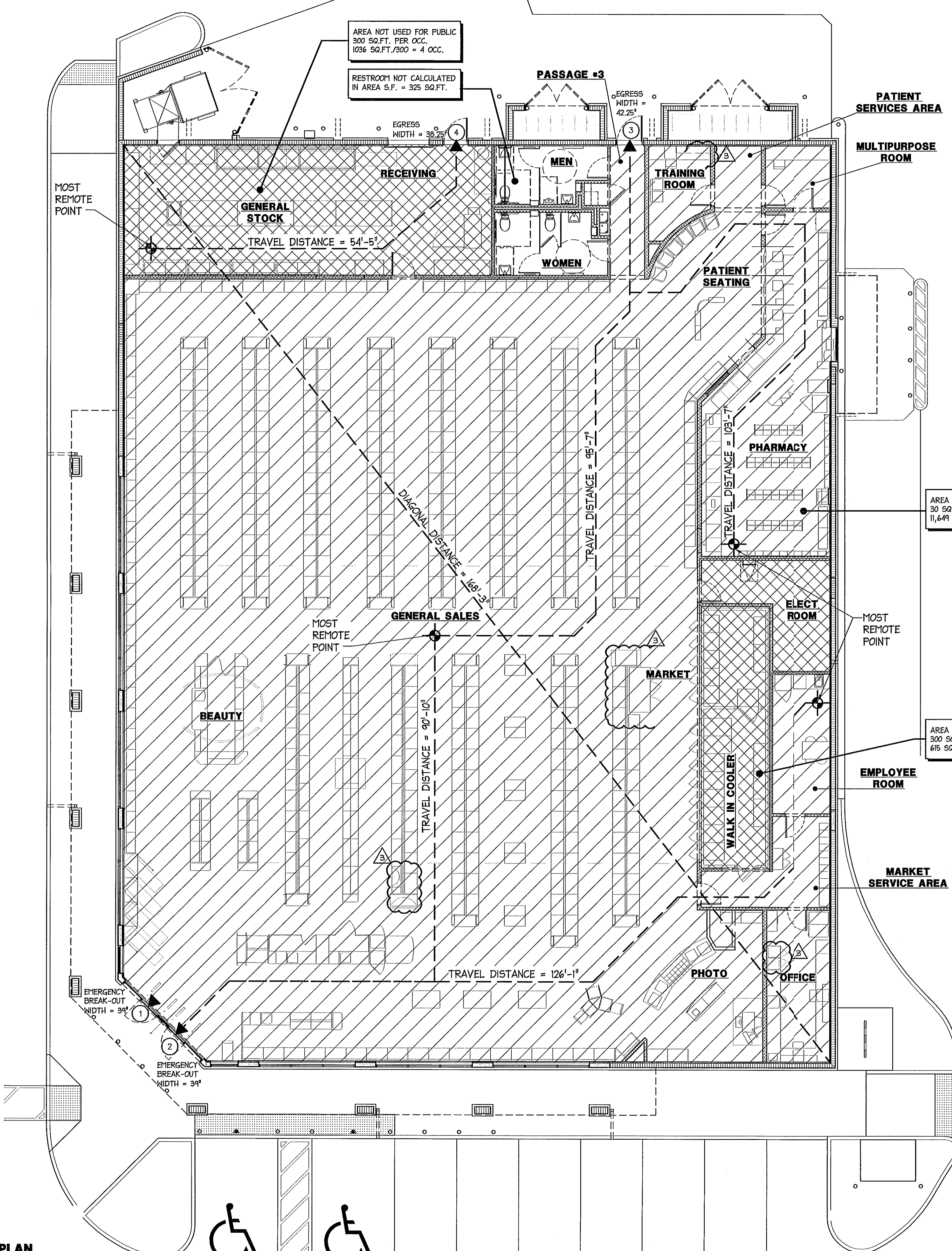
$$= 24.00$$

$$A_o = A_t + \left[ \frac{A_d I_f}{100} \right] + \left[ \frac{A_d I_s}{100} \right]$$

$$= 9,000 + \left[ \frac{2000(24)}{100} \right] + \left[ \frac{2000(300)}{100} \right]$$

$$= 9,000 + 2,160 + 27,000$$

$$= 38,160 \text{ sq. ft.}$$



AREA NOT USED FOR PUBLIC  
300 SQ.FT. PER OCC.  
1036 SQ.FT./300 = 4 OCC.

RESTROOM NOT CALCULATED  
IN AREA S.F. = 325 SQ.FT.

AREA OPEN TO PUBLIC  
30 SQ.FT. PER OCC.  
11,649 SQ.FT./30 = 389 OCC.

AREA NOT USED FOR PUBLIC  
300 SQ.FT. PER OCC.  
615 SQ.FT./300 = 2 OCC.

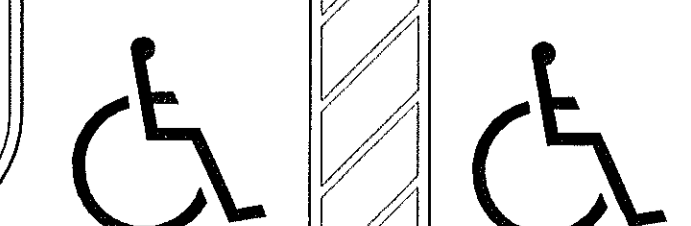
MOST REMOTE POINT

MULTIPURPOSE ROOM

MOST REMOTE POINT

EMPLOYEE ROOM

MARKET SERVICE AREA



**PROJECT TYPE**

DRAWINGS/SPECIFICATIONS BY:  
 WALGREENS' CONSULTANT  
 LANDLORD'S CONSULTANT

CONSTRUCTION WORK BY: (UNLESS NOTED OTHERWISE)  
 WALGREENS' CONTRACTOR  
 LANDLORD'S CONTRACTOR (TURNKEY CONSTRUCTION)

STORE	BUILDING
NEW.....	NEW.....
REMODELING...	EXISTING.....
RELOCATION...	NEW SHELL ONLY
OTHER.....	

NO.	DATE	DESCRIPTION
1		
2		
3	04.05.10	REVISED PER WGS 2ND REVIEW COMMENTS

CERTIFICATION AND SEAL

I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF FLORIDA AS SIGNIFIED BY MY HAND AND SEAL.

GUY F. FABER  
FL LICENSE NO. AR0005923

PROJECT NAME  
**STORE #13450 (SWC) OF FOURAKER & NORMANDY JACKSONVILLE, FLORIDA**

DRAWING TITLE  
**LIFE SAFETY PLAN**

DATE: 11.30.09	WALGREENS STORE NO. 13450	DRAWING NO.
DRAWN BY: AB	SCALE: AS NOTED	<b>A0.2</b>
REVIEWED BY: SK	RELEASED TO CONSTRUCTION 04.05.10	FWH PROJECT NO. 0915