



BUILDING VOLUME

WAREHOUSE= 4,172,201 CU FT.  
TOTAL= 4,172,201 CU FT.

EMPLOYEE LOCKER ROOM

38 1/50 1938 SF

MEZZAZINE ABOVE

12 1/50 636 SF

QUIET ROOM

1 1/150 114 SF

ANTE ROOM

0 N/A 30 SF

RESTROOM

13 1/60 829 SF

ELECTRICAL ROOM

1 1/300 273 SF

M.P.U.

2 1/100 291 SF

JANITOR

1 1/300 92 SF

FOOD SERVICE

6 1/200 1,274 SF

TIRE INSTALLATION

17 1/150 2,633 SF

FOOD SERVICE SEATING

45 SEATS 477 SF

NOTE:

MAXIMUM COUNT  
BASED ON 12 TABLES

TIRE SALES

41 1/60 2,473 SF

ESFR SPRINKLER HEADS IN TIRE  
SALES ONLY

MEMBERSHIP COUNTER

2 1/150 166 SF

RETURN COUNTER

1 1/150 149 SF

DRY RISERS

LOCATE AS DIRECTED BY FIRE  
DEPARTMENTS .  
TIE INTO SECURITY SYSTEM

INTERNATIONAL  
ACCESSIBILITY SIGN

OPEN CANOPY

0 N/A 3,523 SF

PULL STATION ANNUNCIATOR

BUILDING STATISTICS

PROJECT DATA

NUMBER OF STORIES: 1  
MAX BUILDING HEIGHT (ABOVE FLOOR): 33'-0" FEET  
AUTOMATIC FIRE SPRINKLER SYSTEM: YES NO  
FIRE ALARM SYSTEM: YES NO  
SMOKE / HEAT VENTS: YES NO  
[X] VENT AREA = VOLUME / 9000  
[X] MANUAL RELEASE AT ROOF  
[X] FUSIBLE LINK 360°  
CURTAIN BARDS: [ ] [X]

CODE ANALYSIS

APPLICABLE BUILDING CODE:

FLORIDA BUILDING CODE, BUILDING  
2023 EDITION, 8TH EDITION  
FLORIDA BUILDING CODE, PLUMBING  
2023 EDITION, 8TH EDITION  
FLORIDA BUILDING CODE, MECHANICAL  
2023 EDITION, 8TH EDITION  
FLORIDA BUILDING CODE, FUEL GAS  
2023 EDITION, 8TH EDITION  
FLORIDA BUILDING CODE, ACCESSIBILITY  
2023 EDITION, 8TH EDITION

OCCUPANCY CLASSIFICATION:

NON-SEPARATED USES - GROUP 'M' (MERCANTILE)  
NO OCCUPANCY SEPARATIONS REQUIRED  
ALLOWABLE FLOOR AREA:  
UNLIMITED AREA PER 507 - APPROVED AUTOMATIC SPRINKLER  
SYSTEM THROUGHOUT AND ENTIRELY SURROUNDED &  
ADJOINED BY PUBLIC WAYS OR YARDS NOT LESS THAN 60 FEET  
BUILDING HEIGHT AND NUMBER OF STORIES:  
ALLOWABLE: 40 FEET - 1 STORY  
ACTUAL: 32'-0" FEET - 1 STORY  
TYPE OF CONSTRUCTION : TYPE V-B  
TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR  
BUILDING ELEMENTS: TYPE V-B  
STRUCTURAL FRAME..... 0  
BEARING WALLS..... 0  
NONBEARING WALLS AND PARTITIONS..... 0  
FLOOR CONSTRUCTION..... 0  
ROOF CONSTRUCTION..... 0  
INTERIOR WALL AND CEILING FINISH REQUIREMENTS:  
GROUP M - SPRINKLERED  
ROOMS AND ENCLOSED SPACE - CLASS - C  
CORRIDORS - CLASS B  
GOVERNING AUTHORITY REQUIREMENTS:  
POST SIGN ABOVE MAIN ENTRY DOORS WITH 1" HIGH  
LETTERING STATING "THIS DOOR TO REMAIN UNLOCKED  
WHILE BUILDING IS OCCUPIED."  
THERMAL R-VALUES:  
CONSULT SPECIFICATIONS & MECHANICAL DOCUMENTS FOR  
REQUIRED THERMAL VALUES, AS A MINIMUM:  
R25 - ROOF  
R13 - WALLS

EGRESS SUMMARY

WAREHOUSE:

TOTAL OCCUPANTS - WAREHOUSE: 2,017  
EGRESS WIDTH PER PERSON: 0.20  
REQUIRED EGRESS WIDTH (IN INCHES): 404  
ACTUAL EGRESS WIDTH (IN INCHES):  
(19) 48" DOORS AT 45" NET =855  
TOTAL =855

TIRE INSTALLATION:

TOTAL OCCUPANTS - TIRE INSTALLATION: 17  
EGRESS WIDTH PER PERSON: 0.20  
REQUIRED EGRESS WIDTH (IN INCHES): 4  
ACTUAL EGRESS WIDTH (IN INCHES):  
(1) 36" DOORS AT 33" NET =33  
TOTAL =33

FIRE DEPT ROOM:

TOTAL OCCUPANTS - FIRE DEPT ROOM: 2  
EGRESS WIDTH PER PERSON: 0.20  
REQUIRED EGRESS WIDTH (IN INCHES): 1  
ACTUAL EGRESS WIDTH (IN INCHES):  
(2) 36" DOORS AT 33" NET =66  
TOTAL =66

LIQUOR SALES:

TOTAL OCCUPANTS - LIQUOR SALES: 33  
EGRESS WIDTH PER PERSON: 0.20  
REQUIRED EGRESS WIDTH (IN INCHES): 7  
ACTUAL EGRESS WIDTH (IN INCHES):  
(3) 36" DOORS AT 33" NET =99  
TOTAL =99

COSTCO

WHOLESALE

COSTCO WHOLESALE CORPORATION

999 LAKE DRIVE  
ISSAQUAH, WA 98027  
T: 425.313.8100  
www.costco.com

WARE MALCOMB

ARCHITECTURE  
PLANNING  
INTERIORS

CIVIL ENGINEERING  
BRANDING  
BUILDING MEASUREMENT

8750 NW 36th St.  
Doral, FL 33178  
P 305.777.9177

# EGRESS PLAN

SCALE: 1" = 20'-0"

FIRE EXTINGUISHER NOTES:		PLUMBING FIXTURES (IBC/IPC)				DEFERRED SUBMITTALS				WALL AND CEILING ANALYSIS				(19) 48" DOORS AT 45" NET =855			
1. LOCATE FIRE EXTINGUISHERS (SOIC) AS DIRECTED BY FIRE MARSHAL 2. FIRE MARSHAL SHALL DETERMINE SIZE AND TYPE OF EXTINGUISHERS 3. IN GENERAL, PROVIDE: A. ONE 4A: 40 BC FIRE EXTINGUISHER PER 3,000 SQ FT AREA WITHIN 75-FOOT MAXIMUM TRAVEL DISTANCE B. CLASS K FIRE EXTINGUISHER WITHIN 30 FEET OF COMMERCIAL FOOD HEAT-PROCESSING EQUIPMENT C. COMPLY WITH NFPA 10 4. WALL OR POST-MOUNTED FIRE EXTINGUISHERS MUST BE MOUNTED WITHIN 27" FROM FINISH FLOOR TO AVOID PROTRUSION INTO ACCESSIBLE PATH		OCCUPANCY GROUP: M (MERCANTILE)				SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER OF RECORD WHO SHALL REVIEW AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING.  THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE BUILDING OFFICIAL HAS APPROVED THE SUBMITTAL DOCUMENTS.  THE FOLLOWING ARE DEFERRED SUBMITTALS: <input type="checkbox"/> METAL BUILDING SYSTEM <input type="checkbox"/> KITCHEN TYPE I AND II HOODS <input type="checkbox"/> HOOD FIRE SUPPRESSION SYSTEM <input type="checkbox"/> FIRE SPRINKLER SYSTEM AND ALARM SYSTEM <input type="checkbox"/> SMOKE ALARM SYSTEM <input type="checkbox"/> FREEZER AND COOLERS <input type="checkbox"/> REFRIGERATION SYSTEMS <input type="checkbox"/> EXTERIOR BUILDING SIGNAGE <input type="checkbox"/> THERMOPLASTIC SINGLE PLY ROOFING <input type="checkbox"/> FOUNDATIONS/REBAR SHOP DRAWINGS <input type="checkbox"/> STRUCTURAL STEEL SHOP DRAWINGS <input type="checkbox"/> LIGHT GAUGE METAL FRAMING SHOP DRAWINGS <input type="checkbox"/> RACKING SYSTEMS <input type="checkbox"/> FIRE-STOPPING				FINISHES		FLAME SPREAD INDEX		SMOKE DEVELOPED INDEX		(19) 48" DOORS AT 45" NET =855	
		BUILDING NET AREA: 164,272															
		NUMBER OF OCCUPANTS = 2,017 OCCUPANTS; 1,125 MEN; 1,124 WOMEN															
EMERGENCY RESPONDER RADIO COVERAGE:  GC: FOLLOWING CONSTRUCTION CONFIRM WITH THE FIRE DEPARTMENT FOR COMMUNICATION THROUGHOUT THE ENTIRE INTERIOR OF THE WAREHOUSE. IF COMMUNICATIONS FAIL, GC TO INSTALL RADIO COMMUNICATION UPGRADES IN CONJUNCTION WITH AND FOR COMPLIANCE WITH SECTION 915.1		FIXTURE		REQUIRED		REQUIRED		PROVIDED		TOTAL OCCUPANTS - TIRE INSTALLATION: 17 EGRESS WIDTH PER PERSON: 0.20 REQUIRED EGRESS WIDTH (IN INCHES): 4 ACTUAL EGRESS WIDTH (IN INCHES): (1) 36" DOORS AT 33" NET =33 TOTAL =33 FIRE DEPT ROOM: TOTAL OCCUPANTS - FIRE DEPT ROOM: 2 EGRESS WIDTH PER PERSON: 0.20 REQUIRED EGRESS WIDTH (IN INCHES): 1 ACTUAL EGRESS WIDTH (IN INCHES): (2) 36" DOORS AT 33" NET =66 TOTAL =66 LIQUOR SALES: TOTAL OCCUPANTS - LIQUOR SALES: 33 EGRESS WIDTH PER PERSON: 0.20 REQUIRED EGRESS WIDTH (IN INCHES): 7 ACTUAL EGRESS WIDTH (IN INCHES): (3) 36" DOORS AT 33" NET =99 TOTAL =99							
		MEN		WOMEN		MEN		WOMEN						MEN		WOMEN	
* WATER CLOSET		1 PER 500		1 PER 500		* 3		3		* 7		7		TOTAL =855			
		LAVATORY		1 PER 750		2		2		2		2					
		WATER FOUNTAINS		1 PER 1,000		3		4									
SERVICE SINKS		1 SERVICE SINK		1		2		* NOTE: EQUAL TO / LESS THAN HALF OF WATER CLOSETS FOR MEN ARE URINALS				TOTAL =855					
		* NOTE: 4 UNISEX RESTROOMS ARE PROVIDED WHICH ARE NOT INCLUDED IN FIXTURE COUNTS ABOVE															

RC

GC: FOLLOWING CONSTRUCTION CONFIRM WITH THE FIRE DEPARTMENT FOR COMMUNICATION THROUGHOUT THE ENTIRE INTERIOR OF THE WAREHOUSE.  
IF COMMUNICATIONS FAIL, GC TO INSTALL RADIO COMMUNICATION UPGRADES IN CONJUNCTION WITH AND FOR COMPLIANCE WITH SECTION 915.1

EGRESS PLAN AND CODE DATA, OPEN CANOPY

G101