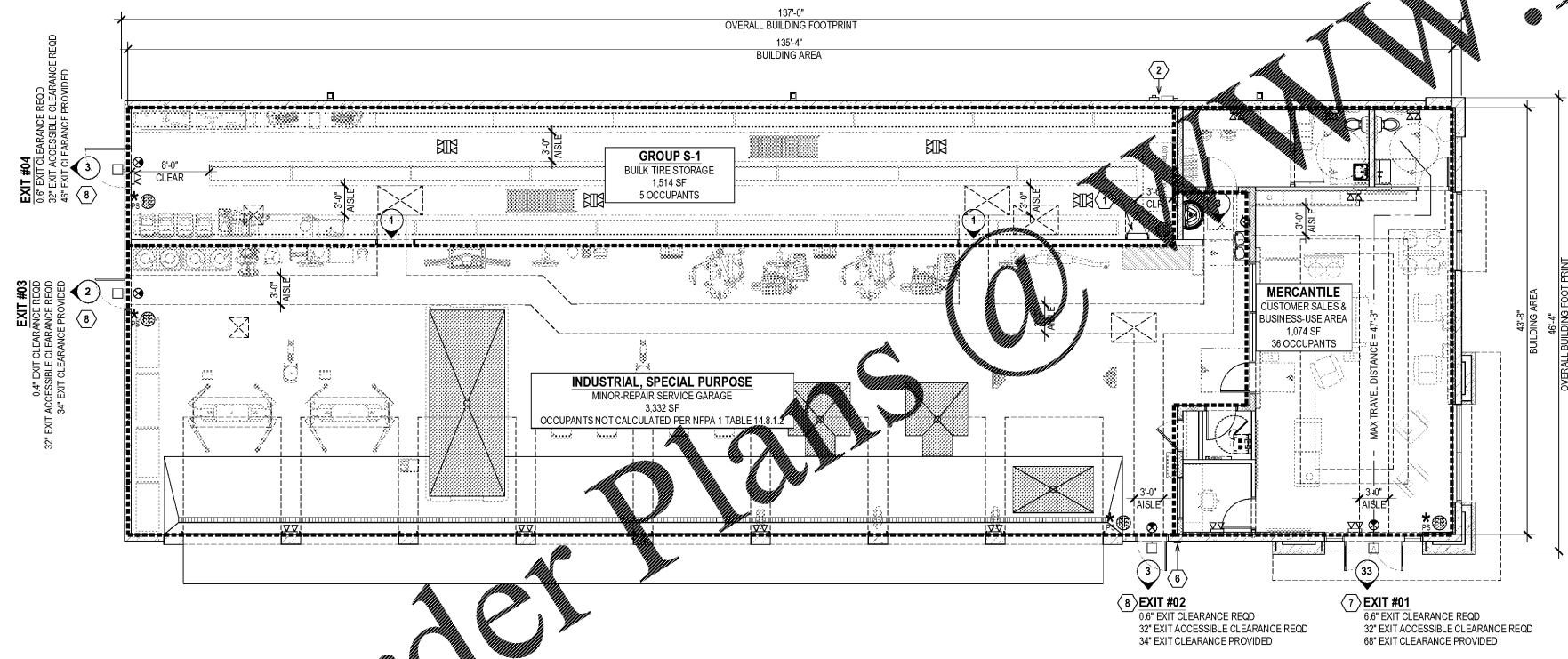


NFPA 1 CH 34 BULK TIRE STORAGE			
BASIS OF DESIGN			COMMENTS
NFPA-134.8.2.1	N/A	STEEL COLUMN PROTECTION	NO STEEL COLUMNS
NFPA-134.8.2.2	N/A	FIRE WALLS	NOT A TIRE WAREHOUSE AND/OR TIER MANUFACTURING FACILITY
NFPA-134.8.2.3	< 75 FT	TRAVEL DISTANCE TO EXIT	PER NFPA 101
NFPA-134.8.3.1.1	< 50 FT	RACKING NOT ALONG WALLS	50 FT MAX
NFPA-134.8.3.1.2	NONE	DEAD-END RACKING	25 FT MAX
NFPA-134.8.3.1.3	12 FT MAX	ON-TREAD PILE LENGTH	50 FT MAX; RACKING UPRIGHTS PLACED @ 12 FT MAX
NFPA-134.8.3.1.4	N/A	MAIN AISLE WIDTHS	8 FT MAX; NO MAIN AISLE - COMMODITY SAME ALL RACKING
NFPA-134.8.3.2.1	> 18"	CLEARANCE TO ROOF STRUCTURES	14 FT HIGH RACKING; BIO DECK = 18 FT MIN
NFPA-134.8.3.2.3	> 24"	FIRE DOOR CLEARANCE PATH	48" AISLES PROVIDED
NFPA-134.8.3.2.3	N/A	COMBUSTIBLE STORAGE SEPARATIONS	BULK-TIRE STORAGE ONLY

NFPA 1 CH 13 FIRE EXTINGUISHERS			
BASIS OF DESIGN			COMMENTS
MINIMUM NUMBER OF FIRE EXTINGUISHERS PROVIDED	1	SALES	LOCATED IN SEMI-RECESSED CABINET NEAR ENTRANCE
	2	SERVICE GARAGE	LOCATED NEAR EXTERIOR EXIT DOORS
	2	TIRE STORAGE	LOCATED NEAR EXTERIOR EXIT DOOR AND ELECTRICAL PANELS
NFPA-1.TBL 13.6.3.2.1.1	2-A	FIRE EXTINGUISHER - CLASS A FIRE HAZARD - ORDINARY	MERCANTILE AREAS
NFPA-1.TBL 13.6.3.2.1.1	4-A	FIRE EXTINGUISHER - CLASS A FIRE HAZARD - EXTRA	TIRE STORAGE
NFPA-1.TBL 13.6.3.2.1.1	20-B	FIRE EXTINGUISHER - CLASS B FIRE HAZARD - ORDINARY	SERVICE GARAGE
NFPA-1.TBL 13.6.3.2.1.1	75 FT	TRAVEL DISTANCE TO EXTINGUISHER - CLASS A FIRE HAZARD	
NFPA-1.TBL 13.6.3.2.1.1	50 FT	TRAVEL DISTANCE TO EXTINGUISHER - CLASS B FIRE HAZARD	

CODE ANALYSIS			
BASIS OF DESIGN			COMMENTS
CONST TYPE	IB	NON-COMBUSTIBLE MASONRY/STEEL	
OCCUPANCY	M	MOST-RESTRICTIVE CLASSIFICATION	
MULTIPLE OCC CLASS	MIXED USE	NON-SEPARATED OCCUPANCIES	BASIS OF DESIGN ANALYSIS
AREA FACTOR	NS	NON-SPRINKLERED	
BUILDING AREA	5,910	(GSF) BUILDING AREA	
OCCUPANT LOAD	41	TOTAL OCCUPANTS	
CH 1 - CODES AND STANDARDS			
BUILDING	2017	FLORIDA BUILDING CODE - BUILDING, SIXTH EDITION	
PLUMBING	2017	FLORIDA BUILDING CODE - PLUMBING, SIXTH EDITION	
FUEL GAS	2017	FLORIDA BUILDING CODE - FUEL GAS, SIXTH EDITION	
MECHANICAL	2017	FLORIDA BUILDING CODE - MECHANICAL, SIXTH EDITION	
ELECTRICAL	2014	NFPA 70: NATIONAL ELECTRICAL CODE	BASIS OF DESIGN ANALYSIS
FIRE	2017	FLORIDA FIRE PREVENTION CODE, SIXTH EDITION (2015 NFPA 1 & 101)	
ENERGY	2017	FLORIDA BUILDING CODE - ENERGY CONSERVATION, SIXTH EDITION	
ACCESSIBILITY	2017	FLORIDA BUILDING CODE - ACCESSIBILITY, SIXTH EDITION	
CH 3 - USE & OCCUPANCY CLASSIFICATION			
FBC 309			SALES, OFFICES, SHOWROOMS, BREAKROOM
NFPA-101.6.1.10	M	MERCANTILE - SALES AREA ON STREET FLOOR	MINOR REPAIR SERVICE GARAGE FOR TIRE REPAIRS AND VEHICLE MAINTENANCE SERVICES - PASSENGER VEHICLES < 10,000 LBS
FBC 311			HIGH-PILE RACKING IN PAID RACKING W/O SHELVING
NFPA-130.1.2	S-1	INDUSTRIAL - SPECIAL PURPOSE	
FBC 311			
NFPA-101.6.1.13	S-1	STORAGE - BULK TIRES	
CH 4 - SPECIAL REQUIREMENTS BASED UPON USE & OCCUPANCY			
FBC 406.8		REPAIR GARAGE	TO 406.8.1 MIXED-USE APPLICATION UTILIZED
NFPA-130			60% VENTILATION PER FBC MECHANICAL 502.14 EXCEPTION 3
NFPA-134.8.2		PROTECTION OF RUBBER TIRES	LESS THAN 10,000 CUBIC FEET STORED IN HIGH-PILED RACKING
CH 5 - GENERAL BUILDING HEIGHTS AND AREAS			
FBC TBL 504.3	55	(FT) BUILDING HEIGHT - ALLOWABLE	
	19'-6"	(FT) BUILDING HEIGHT - PROVIDED	
FBC TBL 504.4	2	NUMBER OF STORIES - ALLOWABLE	
	1	NUMBER OF STORIES - PROVIDED	
FBC TBL 506.2	12,500	[A] TABULAR AREA FACTOR (SF)	
FBC TBL 506.2	12,500	[NS] TABULAR AREA FACTOR - NON-SPRINKLERED (SF)	
FBC 506.3		[W] PUBLIC WAY WIDTH	
FBC 506.3		[F] BUILDING PERIMETER (FT) OPEN SPACE	
FBC 506.3	369	[P] BUILDING PERIMETER (FT) - ENTIRE BUILDING	
FBC 506.3	0.75	[L] FRONTAGE INCREASE FACTOR = (F/P - 0.25) W/30	
FBC 506.3	9,375	[L] FRONTAGE INCREASE AREA (SF) = [L] * [NS]	
FBC 506.3	1,875	[L] TABULAR BUILDING AREA PER FLOOR (SF) = [A] * [I]	
FBC 506.2.3	2	[S] MULTI-STORY FACTOR	
FBC 506.2.3	5,910	(GSF) BUILDING AREA - ALLOWABLE = [A] + (NS*I) * Sa	
FBC 506.2.3		(GSF) BUILDING AREA - PROVIDED	
FBC 506.3	N/A	UNLIMITED AREA BUILDING	
FBC 506.3	N/A	MIXED OCCUPANCIES (NON-SEPARATED)	
NFPA-1.5.1.1.3	YES	MIXED OCCUPANCIES (NON-SEPARATED)	
FBC 408.4	NO	SEPERATED OCCUPANCIES	
NFPA-1.6.1.14.1.3(3)			
CH 6 - TYPES OF CONSTRUCTION			
FBC TBL 601	0 HR	PRIMARY STRUCTURAL FRAME	
	0 HR	BEARING WALLS - EXTERIOR	
	0 HR	BEARING WALLS - INTERIOR	
	0 HR	FLOOR CONSTRUCTION	
	0 HR	ROOF CONSTRUCTION	
FBC TBL 602	0 HR	NON-BEARING WALLS - INTERIOR	
FBC 603.1	0 HR	NON-BEARING WALLS - EXTERIOR (ALL SIDES)	
FBC 603.1	YES	FIRE-RETARDANT WOOD BLOCKING ALLOWED	
CH 7 - FIRE & SMOKE PROTECTION FEATURES			
FBC 705	0 HR	EXTERIOR WALLS	GREATER THAN 10 FT FROM PROPERTY LINE
FBC 706	N/A	FIRE WALLS	
FBC 707	N/A	FIRE BARRIERS	MIXED OCCUPANCIES PER NFPA-1.6.1.14.1.3(3)
FBC 708	N/A	FIRE PARTITIONS	
FBC 709	N/A	SMOKE BARRIERS	
FBC 710	N/A	SMOKE PARTITIONS	
FBC 711	N/A	FLOOR AND ROOF ASSEMBLIES	TYPE IIB CONSTRUCTION = 0 HR
CH 8 - INTERIOR FINISHES			
FBC TBL 803.11	B	EXIT STAIRS/RAMP AND PASSAGEWAYS	
NFPA 101.38.3.3.2.1	C	EXIT COORIDORS AND ENCLOSED EXIT ACCESS SPACES	
	C	ROOMS AND OTHER ENCLOSED SPACES	
CH 9 - FIRE PROTECTION SYSTEMS			
LOCAL ORDINANCE	NR	NONE IDENTIFIED	
NFPA-1.13.2.23.1(2)	NR	GROUP M FIRE AREA EXCEEDING 12,000 SF IN 3-STORY	< 12,500 SF
NFPA-1.13.2.27.1	NR	GROUP S-1 FIRE AREA EXCEEDING 2,500 SF IN 1-STORY	< 2,500 SF
NFPA-1.13.2.30	NR	REPAIR GARAGE BUILDING EXCEEDING 12,000 SF IN 1-STORY	< 12,000 SF
NFPA-1.13.2.27.5	NR	BULK TIRE STORAGE EXCEEDING 20,000 CUBIC FT (+/-10,000 TIRES)	< 20,000 CF AND < 10,000 TIRES
FBC 907.2.2	MANUAL	FIRE ALARM / SMOKE DETECTION PROVIDED	SPRINKLER & ALARMS MONITORED REMOTELY
CH 10 - MEANS OF EGRESS			
NFPA-1	1,074	MERCANTILE - OCCUPANT USE AREA (SF)	1,074 SF (18%)
TABLE 14.8.1.2	30	MERCANTILE - OCCUPANT LOAD FACTOR	MERCANTILE
	36	MERCANTILE - OCCUPANT LOAD	
NFPA-1	1,514	STORAGE - OCCUPANT USE AREA (SF)	1,514 SF (26%)
TABLE 14.8.1.2	300	STORAGE - OCCUPANT LOAD FACTOR	TIRE STORAGE
	5	STORAGE - OCCUPANT LOAD	
NFPA-1	3,332	INDUSTRIAL, SPECIAL PURPOSE - OCCUPANT USE AREA (SF)	3,332 SF (56%)
TABLE 14.8.1.2	N/A	INDUSTRIAL, SPECIAL PURPOSE - OCCUPANT LOAD FACTOR	SERVICE GARAGE
	0	INDUSTRIAL, SPECIAL PURPOSE - OCCUPANT LOAD	
FBC 1005.3.2	0.2"	EGRESS WIDTH REQUIRED PER OCCUPANT / NON-STAIRWAYS	
NFPA 101.TBL 7.3.3.1	8.2"	EGRESS WIDTH REQUIRED	
	182"	EGRESS WIDTH PROVIDED	
FBC TBL 1006.2.1	75 FT	COMMON PATH OF TRAVEL ALLOWED	
NFPA 101.38.2.5.3.1			
FBC TBL 1006.3.1	2	NUMBER OF EXITS REQUIRED PER STORY	1-500 OCCUPANTS EACH STORY
NFPA 101.38.2.4.1(2)			
FBC TBL 1017.2	200 FT	EXIT ACCESS TRAVEL ALLOWED	SEE ALSO EXIT DIAGRAMS
NFPA 101.38.2.6.3			
FBC 1018.3	36"	MIN EXIT AISLE CLEAR WIDTH	
FBC TBL 1020.2	36"	MIN CORRIDOR WIDTH	
FBC 1020.4	20 FT	MAX DEAD-END CORRIDOR	
CH 29 - PLUMBING SYSTEMS			
FBC TBL 2902.1	M	OCCUPANCY CLASSIFICATION	RETAIL STORES, SERVICE STATIONS, SHOPS, SALESROOMS
FBC 2902.1.1	41	OCCUPANT LOAD - TOTAL	
FBC 2902.2(3)	NO	SEPARATE MF FACILITIES REQUIRED	< 100 OCCUPANTS IN MERCANTILE CLASS
FBC 2902.3	YES	PUBLIC/GUEST FACILITIES REQUIRED	SEPARATE EMPLOYEE AND CUSTOMER RESTROOMS PROVIDED
FBC 2902.3.2	500'	PUBLIC/GUEST TRAVEL DISTANCE TO TOILET FACILITIES	
FBC TBL 2902.1	1 PER 500	WATER CLOSETS REQUIRED	
	1	WATER CLOSETS REQUIRED (TOTAL)	
	2	WATER CLOSETS PROVIDED	
FBC TBL 2902.1	1 PER 750	LAVATORIES REQUIRED	2 NON-GENDER RESTROOMS PROVIDED
	1	LAVATORIES REQUIRED (TOTAL)	
	2	LAVATORIES PROVIDED	
FBC TBL 2902.1	1 PER 100	DRINKING FOUNTAINS REQUIRED	
	1	DRINKING FOUNTAINS REQUIRED (#)	BOTTLE WATER ALSO PROVIDED TO CUSTOMERS UPON REQUEST
	2 (HI-LO)	DRINKING FOUNTAINS PROVIDED	
FBC TBL 2902.1	1	SERVICE SINKS REQUIRED	
	2	SERVICE SINKS PROVIDED	HAND-WASH BASIN; HOSE-BIBB W/ MOP BUCKET



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**KEYED NOTES**

- ROOF ACCESS ABOVE SEE WALL SECTIONS FOR LADDER DETAIL
- ELECTRIC METER LOCATION
- NOT USED
- NOT USED
- NOT USED
- PREFERRED FIRE DEPARTMENT KNOX BOX LOCATION COORDINATE FINAL LOCATION WITH AHJ
- MAX TRAVEL DISTANCE TO AN EXIT < 75'-0" (SINGLE EXIT OPTION)
- MAX TRAVEL DISTANCE TO AN EXIT < 200'-0" (MULTIPLE EXIT OPTIONS)

**LEGEND**

- NUMBER OF OCCUPANTS THRU EXIT
- ⊗ PROPOSED FIRE EXTINGUISHER LOCATION
- ⊗ EXIT LIGHT WITH EMERGENCY LIGHTS SEE ELECTRICAL FOR EXIT LIGHTING LOCATIONS
- REMOTE HEADS - BATTERY POWERED EMERGENCY LIGHT FIXTURE
- ⊕ EMERGENCY LIGHTS SEE ELECTRICAL FOR EXIT LIGHTING LOCATIONS

**LIFE SAFETY PLAN**

SCALE: 1/8" = 1'-0"

PROTOTYPE TEMPLATE:

**NORTHLAKE**  
v.2020.1.08.TKD

PROJECT INFORMATION:

**TIRE KINGDOM.**  
STORE # 945  
10520 COLONIAL BLVD  
FT MEYERS, LEE COUNTY, FLORIDA

95% REVIEW SET  
18 AUGUST 2020

PROJECT NO.: 2020-095  
DRAWN BY: BMT  
CHECKED BY: EKB

ISSUE DATE  
PERMIT PLAN REVIEW 11-AUG-2020

REVISION DATE

SHEET TITLE:  
**CODE DATA & EXIT DIAGRAMS**

SHEET NUMBER:  
**G-002**