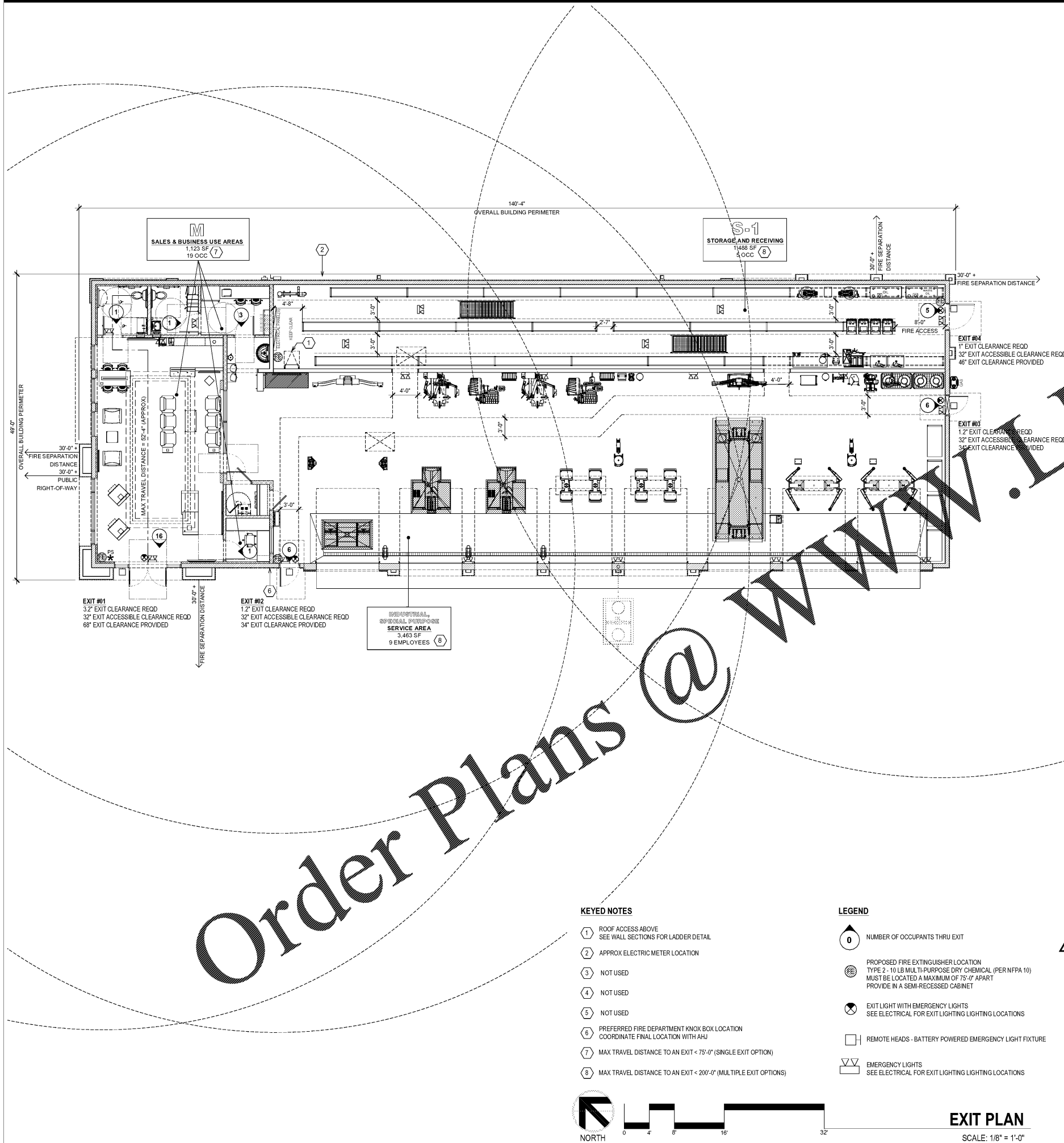


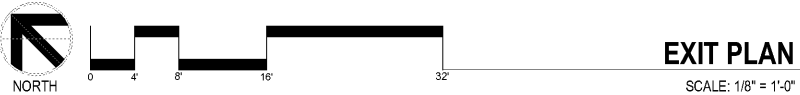
EXIT DIAGRAM



Order Plans @ www.LDilLine.com

- KEYED NOTES**
- 1 ROOF ACCESS ABOVE SEE WALL SECTIONS FOR LADDER DETAIL
 - 2 APPROX ELECTRIC METER LOCATION
 - 3 NOT USED
 - 4 NOT USED
 - 5 NOT USED
 - 6 PREFERRED FIRE DEPARTMENT KNOX BOX LOCATION COORDINATE FINAL LOCATION WITH AHJ
 - 7 MAX TRAVEL DISTANCE TO AN EXIT < 75'-0" (SINGLE EXIT OPTION)
 - 8 MAX TRAVEL DISTANCE TO AN EXIT < 200'-0" (MULTIPLE EXIT OPTIONS)

- LEGEND**
- 0 NUMBER OF OCCUPANTS THRU EXIT
 - PROPOSED FIRE EXTINGUISHER LOCATION TYPE 2 - 10 LB MULTI-PURPOSE DRY CHEMICAL (PER NFPA 10) MUST BE LOCATED A MAXIMUM OF 75'-0" APART PROVIDE IN A SEMI-RECESSED CABINET
 - EXIT LIGHT WITH EMERGENCY LIGHTS SEE ELECTRICAL FOR EXIT LIGHTING LIGHTING LOCATIONS
 - REMOTE HEADS - BATTERY POWERED EMERGENCY LIGHT FIXTURE
 - EMERGENCY LIGHTS SEE ELECTRICAL FOR EXIT LIGHTING LIGHTING LOCATIONS



CODE DATA

APPLICABLE CODES AND REGULATIONS

BUILDING	2017 FBC	FLORIDA BUILDING CODE	FIRE	2017 FBC	FLORIDA FIRE PREVENTION CODE, 6TH EDITION
PLUMBING	2017 FBC	FLORIDA BUILDING CODE, 6TH EDITION - PLUMBING	ENERGY	2017 FBC	FLORIDA BUILDING CODE, 6TH EDITION - ENERGY
FUEL GAS	2017 FBC	FLORIDA BUILDING CODE, 6TH EDITION - FUEL GAS	ACCESSIBILITY	2017 FBC	FLORIDA BUILDING CODE, 6TH EDITION - ACCESSIBILITY
MECHANICAL	2017 FBC	FLORIDA BUILDING CODE, 6TH EDITION - MECHANICAL	FIRE / LIFE SAFETY	2017 FBC	FLORIDA FIRE PREVENTION CODE, 6TH EDITION
ELECTRICAL	2014 NEC	NFPA 70: NATIONAL ELECTRICAL CODE		2015 NFPA	001 - FIRE CODE
				2015 NFPA	101 - LIFE SAFETY CODE

FBC CH 3 USE AND OCCUPANCY CLASSIFICATION

PREDOMINANT OCCUPANCY	CODE CITATION	FUNCTION OF SPACE	DESCRIPTION OF USE	PROPOSED
INDUSTRIAL	NFPA 1-6.1.10	MERCANTILE	SALES AREA + CUSTOMER WAITING + BUSINESS USE AREAS	1,123 GSF
SPECIAL PURPOSE	NFPA 1-30.2.2	INDUSTRIAL - SPECIAL USE	SERVICE GARAGE - IN COMPLIANCE W/ TBL 307.1(1)	3,463 GSF
	NFPA 1-6.1.13.1	STORAGE, STOCK, SHIPPING AREAS	BULK TIRE STORAGE + RECEIVING	1,488 GSF
NFPA 1-6.1.14.1(1), INCIDENTAL MERCANTILE AND STORAGE AREAS SHALL BE CONSIDERED PART OF THE PREDOMINANT OCCUPANCY				TOTAL BUILDING AREA: 6,074 GSF

FBC - CH 4 SPECIAL REQUIREMENTS BASED UPON USE AND OCCUPANCY

CODE	DESCRIPTION	COMMENTS
406.8	REPAIR GARAGE	MOTOR VEHICLE OPERATION AND VENTILATION PER FBC, MECH 502.14 EXCEPTION 3

FBC - CH 5 GENERAL BUILDING HEIGHTS AND AREAS

SECTION 504 - ALLOWABLE BUILDING HEIGHT CALCULATIONS

OCCUPANCY USE	TABLE 504.3 & TABLE 504.4 TABULAR BLDG HEIGHT	PROPOSED BLDG HEIGHT	COMMENTS
GROUP M	75'-0"	31'-6"	ANALYSIS BASED UPON SINGLE OCCUPANT ONE-STORY, SPRINKLERED BUILDING
MERCANTILE	3 STORY	1 STORY	

SECTION 508 - ALLOWABLE BUILDING AREA CALCULATIONS

AREA FACTOR	TBL 506.2 TABULAR BLDG AREA	TBL 506.2 NON-SPRINKLER BLDG AREA	20' OPEN BUILDING PERIMETER	TOTAL BUILDING PERIMETER	PLIC WIDTH	SECT 506.3.3 FRONTAGE INCREASE	SUBTOTAL ALLOWED AREA	MULTI STORY FACTOR	ALLOWED BUILDING AREA
S1	50,000 SF	12,500 SF	8'	373'-8"	>30'-0"	75% (0.75) 9,375 SF	59,375 SF	1	59,375 SF

FBC - CH 6 TYPES OF CONSTRUCTION

ITEM	REQUIREMENT	RATING
CONSTRUCTION DESCRIPTION	NEW ONE-STORY, SINGLE OCCUPANT, LOAD BEARING MASONRY BUILDING W/ STEEL ROOF STRUCTURE	
FIRE SUPPRESSION	(S1) SPRINKLERED, ONE-STORY	
TABLE 601 FIRE RESISTANCE REQUIREMENTS	PRIMARY STRUCTURAL FRAME BEARING WALLS - EXTERIOR BEARING WALLS - INTERIOR FLOOR CONSTRUCTION ROOF CONSTRUCTION NON-BEARING WALLS - INTERIOR	0 HR 0 HR 0 HR 0 HR 0 HR
TABLE 602 FIRE SEPARATION DISTANCE	NON-BEARING WALLS - EXTERIOR	0 HR (ALL SIDE > 10 FEET)

FBC - CH 7 FIRE AND SMOKE PROTECTION FEATURES

ITEM	SECTION	REQUIREMENT	RATING
706 FIRE WALLS	706.4	PER TABLE 706.4	N/A - PER TABLE 706.2
707 FIRE BARRIERS	713.4 TABLE 508.4 TABLE 707.3.10	SHAFT ENCLOSURES SEPARATED OCCUPANCIES FIRE AREAS	N/A - SINGLE STORY N/A - NO SEPARATION REQUIREMENT (M AND S-1 OCCUPANCIES) N/A - ENTIRE BUILDING IS CALCULATED AS A SINGLE FIRE AREA

FBC TABLE 803.3 - CH 8 INTERIOR FINISHES

TYPE OF SPACE	SPRINKLER	TABLE 803.11 REQUIREMENT
INTERIOR EXIT STAIRS, RAMPS, AND PASSAGEWAYS	NOT SPRINKLERED	CLASS B GROUP M CLASS C GROUP S-1 (NOT APPLICABLE)
CORRIDORS FOR EXIT ACCESS STAIRS AND RAMPS	NOT SPRINKLERED	CLASS C GROUP M, S-1 (NOT APPLICABLE)
ROOMS AND ENCLOSED SPACES	NOT SPRINKLERED	CLASS C GROUP M, S-1

NFPA - CH 13 FIRE PROTECTION SYSTEMS

△ AUTOMATIC SPRINKLER PROVIDED THROUGHOUT PER LOCAL ORDINANCE REQUIRING ALL COMMERCIAL BUILDINGS TO BE SPRINKLERED
SPRINKLER TO MONITORED REMOTELY BY TENANT

FBC - CH 10 MEANS OF EGRESS

FBC TABLE 1004.1.2 FUNCTION	FBC CH 3 OCCUPANT AREA	FBC TABLE 1004.1.2 O.L.F.	CALCULATED OCCUPANT LOAD	FBC 1006.2.1 MINIMUM EXITS REQUIRED	FBC 1005.3.2 EXIT / EGRESS WIDTH REQUIRED	FBC 1005.3.1 STAIRWAY ACCESS TRAVEL WIDTH REQUIRED	FBC 1006.2.1 SINGLE EXIT MULTIPLE TRAVEL	FBC 1007.2 MULTIPLE EXIT ACCESS TRAVEL	EXIT TRAVEL PROVIDED
MERCANTILE	1,123 SF	60	19	1	0.2' / OCC (6.6" MIN) (PROVIDED) (SEE SHT LS1)		< 75'-0"	< 200'-0"	< 75'-0"
STOCK / RECEIVING	1,488 SF	300	5	1		N/A	< 100'-0"	< 200'-0"	< 200'-0"
SERVICE GARAGE	3,328 SF	NFPA 1-14.8.1.2	N/A	1			< 100'-0"	< 200'-0"	< 200'-0"

TOTAL OCCUPANT LOAD: 24 OCCUPANTS

FBC - CH 29 PLUMBING SYSTEMS

NBC TABLE 2902.1 MINIMUM NUMBER OF REQUIRED FIXTURES

REQUIREMENT	WATER CLOSET		LAVATORY		SERVICE SINK		DRINKING FOUNTAIN	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
GROUP M	1 PER 500 OCC		1 PER 750 OCC		-		1 PER 1,000 OC	
FIXTURES REQD	1		1		1 REQUIRED		1 PER 1,000 OC	
FIXTURES PROVIDED	2		2		1		2 (HI-LO)	

SEPARATE FACILITIES: NOT REQUIRED PER IBC 2902.2 EXCEPTION 3
SEPARATE FACILITIES SHALL NOT BE REQD IN MERCANTILE OCCUPANCIES IN WHICH THE MAXIMUM OCCUPANT LOAD IS 100 OR LESS.

NOTE: PER NBC TABLE 2902.1 DESCRIPTIONS - ALL AREAS IN THIS FACILITY COMPLY FOR THE MERCANTILE PLUMBING FIXTURE CALCULATION (RETAIL STORES, SERVICE STATIONS, SHOPS, SALESROOMS, MARKETS, AND SHOPPING CENTERS). THE STORAGE OCCUPANCY IS NOT APPLICABLE WITH THE CONSIDERATION THAT THE FACILITY AND STRUCTURE IS NOT INTENDED FOR THE SOLE PURPOSE OF STORAGE. SEE CHAPTER 10 FOR OCCUPANT LOAD CALCULATIONS.

NFPA 1 AND 13 - HIGH-PILED BULK-TIRE STORAGE REQUIREMENTS

STORAGE TYPE	NFPA 1.3.3.246.4) HIGH-PILED FIXED-RACK STORAGE FOR BULK-TIRES STORED SINGLE-ROW OVER 12 FT ON-TREAD WITHOUT SHELVES
COMMODITY CLASS	NFPA 13.5.6.4.1) GROUP A - BUTYL RUBBER, NATURAL RUBBER, POLYBUTADIENE RUBBER, STYRENE-BUTADIENE RUBBER (SBR)
HIGH-PILED STORAGE AREA	1,488 SF
MAX PILE DIMENSION (FT)	NFPA 1.34.8.3.1.3) UP TO 50 FT ALLOWED; 48'-0" MAX PILE PROVIDED
MAX PILE HEIGHT (FT)	NFPA 13.TABLE 18.4(6)) UP TO 25 FT ALLOWED W/ ESFR; 14'-0" MAX STORAGE HEIGHT PROVIDED IN 14'-0" HIGH RACKING SYSTEM
MAX PILE VOLUME (CF)	292 LF RACKING X 14.5' H X 2.5' W = 10,585 CF BULK TIRES STORED
SPRINKLER TYPE	FULLY SPRINKLERED PER NFPA 13 - SPRINKLER ENGINEERING PLANS AND CALCULATION BY DEFERRED SUBMITTAL
FIRE DETECTION	MANUAL FIRE ALARM PROVIDED THROUGH BUILDING; MONITORED REMOTELY

NFPA 101 CH 6 CLASSIFICATION OF OCCUPANCY AND HAZARD CONTENTS

CODE	CLASSIFICATION	REQUIREMENT / COMMENT
NFPA 101.5.1.14.1.3	MIXED OCCUPANCIES	SERVICE GARAGE MERCANTILE, BULK TIRE STORAGE
NFPA 101.5.2.2	LOW HAZARD CLASSIFICATION	MERCANTILE SERVICE GARAGE, BULK TIRE STORAGE
NFPA 101 TABLE 6.1.14.4.1(b)	LOW/ORDINARY TO LOW/ORDINARY HAZARD	NO SEPARATION REQUIRED



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4300 TBC WAY
PALM BEACH GARDENS, FL 33410

PROJECT INFORMATION:
PROTOTYPE TEMPLATE:
**"NORTHLAKE"
8 BAY INLINE**
v.2019.1.08
EXTERIOR MODIFIED FOR AHJ

TIRE KINGDOM
STORE 937
SEC OF TAMiami TRAIL &
SUMTER CROSSING DRIVE
NORTH PORT, FLORIDA 34287

BID SET
01/10/2020

PROJECT NO.: 2018-1035
DRAWN BY: C.B.
CHECKED BY: EKB

ISSUE DATE
PERMIT PLAN REVIEW 12-AUG-2019
BID SET 09-DEC-2019

REVISION DATE
02 AHJ PRCN # 06-NOV-2019

SHEET TITLE:
**LIFE SAFETY
EGRESS PLAN**

SHEET NUMBER:
LS1