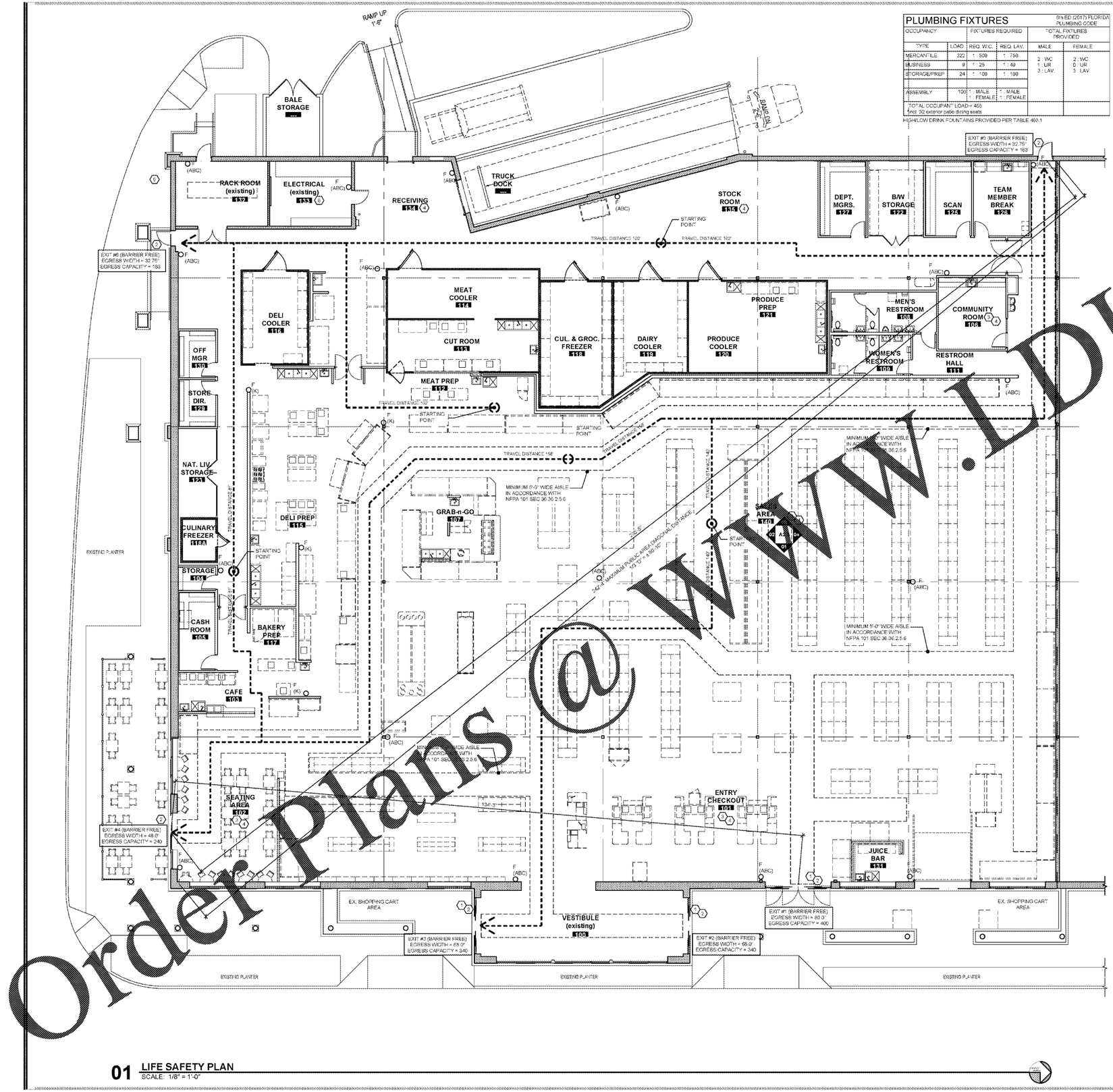

PLUMBING FIXTURES

6th ED (2017) FLORIDA PLUMBING CODE

OCCUPANCY		FIXTURES REQUIRED		TOTAL FIXTURES PROVIDED	
TYPE	LOAD	REQ. W.C.	REQ. LAV.	MALE	FEMALE
MERCANTILE	322	1 : 500	1 : 750	2 : WC 1 : UR 3 : LAV.	2 : WC 0 : UR 3 : LAV.
BUSINESS	9	1 : 25	1 : 40		
STORAGE/PREP	24	1 : 100	1 : 100		
ASSEMBLY	100	1 : MALE 1 : FEMALE	1 : MALE 1 : FEMALE		
TOTAL OCCUPANT LOAD = 455 final 32 exterior patio dining seats					

HIGH/LOW DRINK FOUNTAINS PROVIDED PER TABLE 403.1

GENERAL NOTES

A. REFER TO SHEET A6.1 FOR DOOR SIZES AND HARDWARE

B. SEE SHEET G0.3 & G0.4 FOR ADDITIONAL ACCESSIBILITY REQUIREMENTS

C. MEANS OF EGRESS PATH AND EXIT DISCHARGE SHALL BE ILLUMINATED AT ALL TIMES WHILE THE BUILDING IS OCCUPIED. MINIMUM LIGHT LEVEL SHALL BE 1 FOOT CANDLE. SEE ELECTRICAL DRAWINGS FOR EMERGENCY AND EXIT LIGHTING.

D. EXIT SIGNS SHALL BE WORDED "EXIT" IN LETTERS HAVING A PRINCIPLE STROKE OF NOT LESS THAN 3/4" WIDE AND AT LEAST 6" HIGH, AND SHALL CONFORM TO CODES AND/OR APPLICABLE REGULATIONS. EXIT SIGNS SHALL BE INTERNALLY ILLUMINATED (MIN 90 MINUTE) AND PROVIDED WITH TWO SEPARATE POWER SUPPLIES. SEE ELECTRICAL DRAWINGS FOR LOCATIONS AND ADDITIONAL INFORMATION.

E. EXIT DOORS MUST BE OPENABLE FROM EGRESS SIDE WITHOUT USE OF A KEY, SPECIAL KNOWLEDGE OR EFFORT.

F. SEE ELECTRICAL AND FIRE ALARM DRAWINGS FOR FIRE ALARM, HORN, STROBES AND OTHER FIRE ALARM DEVICES.

KEYED NOTES

1. BREAKAWAY AUTOMATIC SLIDING DOORS WITH MOTION SENSORS. INSTALL EXIT SIGN, INTERNATIONAL SYMBOL OF ACCESSIBILITY ON OR ADJACENT TO BUILDING ENTRANCE PER PLACE PER CODE OFFICIAL. SEE DOOR SCHEDULE FOR ADDITIONAL INFORMATION.
2. BARRIER FREE EXIT DOOR AND CONCRETE LANDING. EACH GRADE LEVEL BARRIER FREE EXTERIOR EXIT DOOR SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH RAISED WORD "EXIT". PLACE PER CODE OFFICIAL.
3. GENERAL CONTRACTOR TO PROVIDE AND INSTALL OCCUPANT LOAD SIGN(s), POSTED IN CONSPICUOUS LOCATION AS DIRECTED BY THE LOCAL BUILDING INSPECTOR. VERIFY QUANTITY, VERBIAGE, AND FINAL LOCATIONS WITH THE INSPECTOR ON SITE.
4. GENERAL CONTRACTOR TO PROVIDE AND INSTALL OCCUPANT LOAD SIGN(s), POSTED IN CONSPICUOUS LOCATION AS DIRECTED BY THE LOCAL BUILDING INSPECTOR. VERIFY QUANTITY, VERBIAGE, AND FINAL LOCATIONS WITH THE INSPECTOR ON SITE.
5. LOCATION OF EXISTING FIRE PROTECTION SPRINKLER SYSTEM.
6. THIS ROOM TO BE ENCLOSED BY ONE HOUR FIRE RATED CONSTRUCTION.

BUILDING CODE ANALYSIS (FOR CONSTRUCTION & EGRESS)

FLORIDA BUILDING CODE 6th EDITION (2017)
FLORIDA FIRE PREVENTION CODE 6th EDITION (2017)

Definitions and building limitations
- Mixed occupancy-separated
- a. Method to be the most stringent

Use Groups
- M Mercantile (sales floor)
- S1 Storage (back of house)
- B Business (office area)
- A2 Assembly (cafe - accessory)

3. Construction type - Proposed II-B unprotected
4. Tenant Space Height and Area
   - a. Allowable Building Area: Basic = 12,500 s.f.
     Frontage Increase per 506.2: (frontage increase not required) = 0 s.f.
     Sprinkler Increase per 506.3: (single story, 300%) = 37,500 s.f.
     Total Allowable Area: 50,000 s.f.
   - b. Actual Lease Area: 29,564 s.f.
   - c. Allowable Building Height: 1 story, 55'-0"
   - d. Actual Building Height: 1 story, 25' ±
5. Automatic Sprinkler
   Building is fully sprinklered per NFPA 13
6. Fire Alarm
   Building has an automatic fire alarm per NFPA 72
7. Incidental Use Areas (Section 509)
   Areas that are incidental to the main occupancy shall be separated and protected in accordance with table 509 and shall be classified in accordance with the main occupancy of the portion of the building in which the incidental use area is located.
8. Accessory Occupancies (Section 508)
   Accessory Occupancies are those occupancies subsidiary to the main occupancy of the building or portion thereof. Aggregate accessory occupancies shall not occupy more than 10% of the story in which they are located and shall not exceed the tabular values in table 508.

B. Construction requirements
1. Building element fire-resistive requirements in hours (table 601)
   Construction Type II-B: Building element / Fire resistive rating (in hours)
   - *Structural Frame*
     Including columns, girders and trusses - 0
   - *Bearing Walls*
     Exterior - 0
     Interior - 0
   - *Nonbearing walls and Partitions*
     Exterior based on fire separation distance - 0
     Interior - 0
   - *Floor Construction*
     Including supporting beams and joist - 0
   - *Roof Construction*
     Including supporting beams and joist - 0
   - *Roof covering classification* (table 1505.1) Proposed Class A
2. Building element fire-resistive elements
   Interior Tenant Demising walls to be 1-Hour Rated per IBC 708.

C. Occupancy / Means of Egress
1. Occupant load: based on Minimum Egress Requirements Table 1004.1.2 (NFPA 7.3.1.2)
   Use / Floor area in Sq Ft. per occupant
   Mercantile – retail sales rooms basement and ground floors - 60 gross
   Business areas (B) - 100 gross
   Storage/stock/shipping (S1) - 300 gross
   Kitchen (commercial) - 100 gross
2. Occupant load calculations for egress

Use		Floor area per occupant (s.f.)	Area (s.f.)	Occupant load
Mercantile	Sales	60 gross	17,735	296
Business	Offices	100 gross	974	9
Storage	Stock/ Walk-ins & Mechanical	300 gross	7,121	24
Kitchen	Food Prep areas	100 gross	2,582	26
Assembly	Community Room	1 per 15 SF net	232	16
	Cafe Area	1 per 15 SF net	776	52
	Actual Seating per plan		33 Seats*	--
	*does not include exterior seating.			
Total			29,318	423

3. Exit capacity: (1005)
   a. Minimum egress width requirements: Section 1005.1 (NFPA 7.3.3.1)
   Clear width for stairways (inches per person) in fully sprinklered buildings - 0.3
   Clear width for ramps, corridors and doorways (inches per person) in fully sprinklered buildings - 0.2
4. Exit capacity calculations:

Interior	Occupant load	Exit width required	Exit width provided
	423 x (0.2)	85"	309"

5. Number of exits required per story (1021.1) (NFPA 7.4.1.2) *Single exit allowed from rooms with an occupant load less than 49 and not more than 75' travel distance to the exit door (1015.1, & 1021.2)

Occupant Load:	Number of Exits
Less than 500	2 required (5 provided - public)
501 – 1000	not less than 3
1001 or more	not less than 4

Number of exits provided = 6 total (5 accessible)

6. Exit arrangement:
   - a. Common path of egress travel (1014.3) (NFPA 36.2.5.3)
     1) In occupancies other than H-1, H-2 and H-3, the common path of egress travel shall not exceed 75'-0"
     2) Exception #1 allows common path of egress travel to increase to 100' for B, F and S, if the building is equipped throughout with an automatic sprinkler system
   - b. Arrangement of exits (1015.2.1 and 1015.2.2) (NFPA 36.2.5)
     1) If two exits are required, they shall be placed a distance apart equal to not less than one third (exception #2) the length of the maximum overall diagonal dimension of the building or area to be served measured in a straight line between exits.
     2) The diagonal distance of the Public area served as shown on plan
   - c. Travel distance (1016.1) (NFPA 36.2.6.2)
     1.) In a building equipped with an automatic sprinkler system throughout, the maximum travel distance shall be 250 feet to at least one exit.
   - d. Exits through adjoining rooms (1014.2) (NFPA 36.2.5.11)
     1) Egress from a room or space shall not pass through adjoining or intervening rooms or areas except where such adjoining rooms or areas are accessory to the area served, not high hazard, and provide a discernible path of egress travel.
7. Exit corridors fire resistant rating (1016.1) (NFPA 36.3.6)
   a. For use groups M, B, S and F1 with an occupant load greater than 30 for a fully sprinklered building the required fire resistant rating is 0 hrs per table 1015.1 (NFPA 36.3.6.1)
8. Exit corridor width (1015.2) (NFPA 7.2.6.4)
   a. Minimum width: 44 inches (36 inches where serving an occupant load of 50 or less)
9. Dead end corridor (1018.4) (NFPA 36.2.5.2.1)
   a. Maximum dead end: 20 feet
   b. Exception #2 allows a max length of 50'-0" for use groups B and F for a fully sprinklered building
10. Egress doors (1008.1.1) (NFPA 7.2.1)
    a. Clear width: 32 inches (36" door) min. / Maximum leaf width: 48 inches / Minimum height: 6'-8"
    b. Door swing:
       1) Must swing in direction of travel when serving an occupant load of 50 or more (NFPA 7.2.1.4.3)
    c. Projection into clear width (1008.1.1.1) (NFPA 7.2.1.4.4)
       1) Doors in the fully open position shall not reduce a required landing dimension by more than 7 inches.
    d. Panic hardware: not required at main automatic sliding entry doors per (1008.1.4.3) (NFPA 7.2.1.9)
11. Aisle Width (NFPA 101 - 36.2.5.6)
    a. In the Class A Mercantile area at least one aisle of a minimum 5'-0" width leads directly to an exit.

LEGEND:

- F O (ABC) — PROPOSED FIRE EXTINGUISHER LOCATION (FOR USE ON TYPE A,B & C FIRES) - COORDINATE FINAL LOCATIONS WITH FIRE AUTHORITY HAVING JURISDICTION AND LUCKY'S
- F O (K) — PROPOSED FIRE EXTINGUISHER LOCATION (FOR USE ON GREASE FIRES) - COORDINATE FINAL LOCATIONS WITH FIRE AUTHORITY HAVING JURISDICTION AND LUCKY'S

NOTE: FIRE EXTINGUISHER LOCATIONS AND QUANTITIES SHOWN FOR BID REFERENCE ONLY. THE FINAL LOCATIONS AND QUANTITIES SHALL BE AS APPROVED BY THE LOCAL FIRE DEPARTMENT REQUIREMENTS.

01 **LIFE SAFETY PLAN**
SCALE: 1/8" = 1'-0"

wd
WD PARTNERS
7777 DISCOVERY BLVD
DUBLIN, OH 43016
614.764.7000 T
WDPARTNERS.COM

Lucky's Market

LUCKY'S MARKET
PROMENADE at NAPLES
6424 NAPLES BLVD.
NAPLES, FL 34109

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LIFE SAFETY PLAN AND NOTES

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