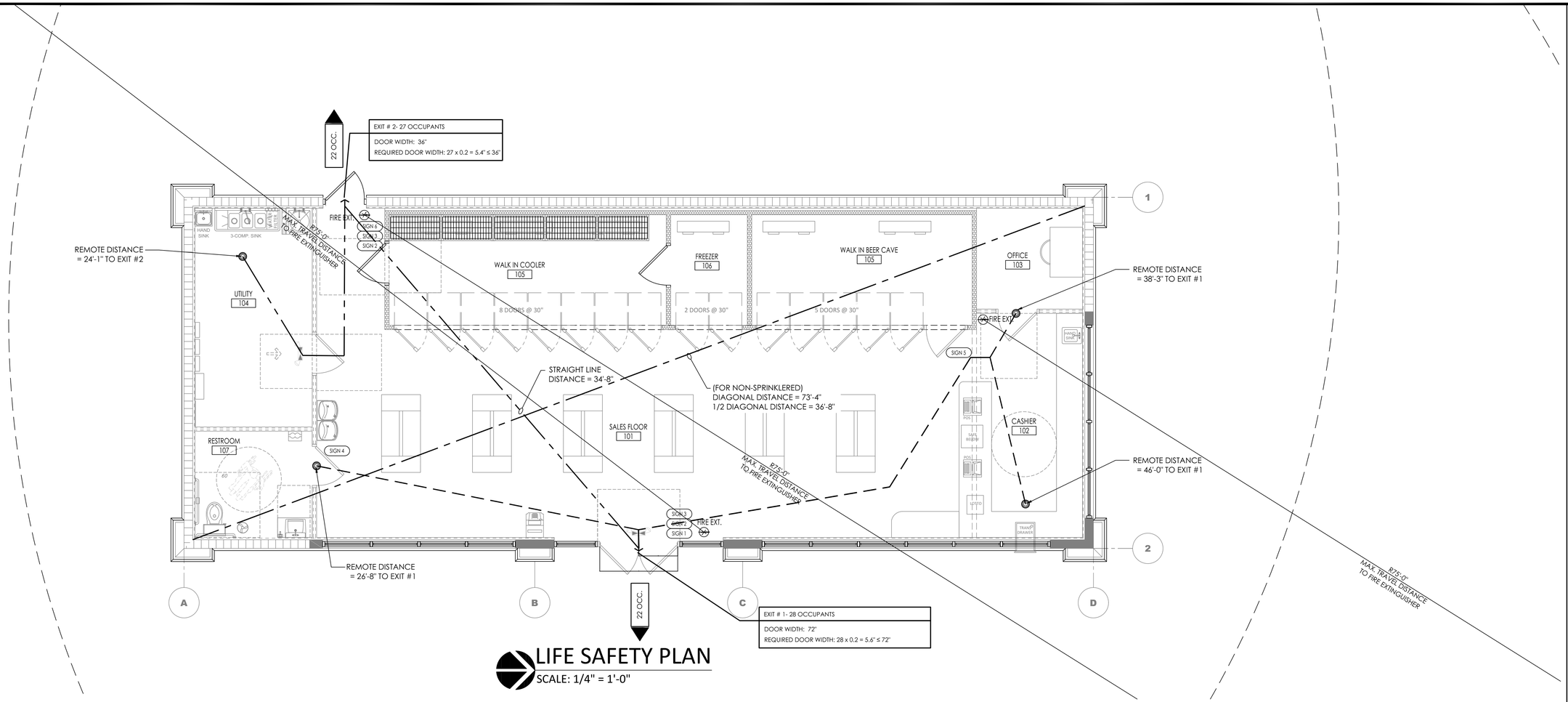


# LIFE SAFETY PLAN

SCALE: 1/4" = 1'-0"

## BUILDING CODE ANALYSIS/ FIRE CODE ANALYSIS

OCCUPANT INFORMATION
THIS BUILDING WILL BE OCCUPIED WITH ONE TENANT.
ALL EXTERIOR AND INTERIOR UNDER THIS PERMIT.

AUTOMATIC SPRINKLER SYSTEM
THIS BUILDING IS NON SPRINKLERED

FIRE ALARM:
THIS BUILDING IS **NOT** PROTECTED BY A FIRE ALARM SYSTEM.
ONLY A VISUAL & AUDIBLE ALARM IS PROVIDED & CONNECTED TO THE HVAC DUCT SMOKE DETECTOR.

| | 2020 FBC | FFPC, NFPA 101 | PROPOSED |
|---|---|---|---|
| OCCUPANCY CLASSIFICATION | CHAPTER 3, SEC 309.1<br>M (MERCANTILE) | CHAPTER 36.2.6.1<br>M (MERCANTILE) | |
| ALLOWABLE BUILDING HEIGHT & AREA | 9000 S.F<br>40 FEET | --<br>-- | 1,890 SF |
| CONSTRUCTION TYPE | TABLE 601<br>TYPE - VB (NON SPRINKLERED) | TABLE A.8.2.1.2<br>TYPE - V (000) | |
| EXIT CAPACITY<br>EGRESS WIDTH PER PERSON = | SEC 1005.1<br>0.2" PER PERSON | TABLE 7.3.3.1<br>0.2" PER PERSON | 108"<br>(EGRESS CAPACITY 510 /PERSON) |
| MINIMUM NUMBER OF EXITS<br>REQUIRED<br>PROPOSED | TABLE 1006.3.1<br>(1-500 PERSONS) - 2 | Sect. 36.2.4<br>(1-500 PERSONS) - 2 | 2 |

| | | S-1 | | Table A.7.6 (ANNEX A) | | |
|---|---|---|---|---|---|---|
| | TABLE 1014.3 | MERCANTILE | STORAGE | MERCANTILE | STORAGE | |
| COMMON PATH LIMIT | TABLE 1006.2.1 | 75' | 75' | 75' | 75' | < 75' |
| DEAD-END LIMIT | SEC. 1020.4 | 20' | 20' | 20' | 20' | < 20' |
| TRAVEL DISTANCE LIMIT | TABLE 1017.2 | 200' | 200' | 200' | 200' | < 200' |

ARRANGEMENT MEANS OF EGRESS:
REQUIRED DISTANCE BETWEEN EXIT DOORS

WHERE TWO EXITS OR EXIT ACCESS DOORWAYS ARE REQUIRED FROM ANY PORTION OF THE EXIT ACCESS, THE EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL BE PLACED A DISTANCE APART EQUAL TO NOT LESS THAN ONE-HALF OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE BUILDING OR AREA TO BE SERVED MEASURED IN A STRAIGHT LINE BETWEEN EXIT DOORS OR EXIT ACCESS DOORWAYS. INTERLOCKING OR SCISSOR STAIRS SHALL BE COUNTED AS ONE EXIT STAIRWAY AS PER 2020 FBC 6TH EDITION, SECTION 1007.1.1

ACTUAL STRAIGHT LINE DISTANCE BETWEEN EXITS
EXIT #1 TO #2 = 44'-5"

ACTUAL STRAIGHT LINE ACROSS PUBLIC AREA:
DIAGONAL AT PUBLIC AREA = 78'-3"

1/2 DIAGONAL = 39'-1 ½"

CONCLUSION =
= 44'-5" IS GREATER THAN 39'-1 ½" (MEETS CODE FOR NON-SPRINKLERED BUILDING)

Know what's below. Call before you dig.

## OCCUPANT LOAD CALCULATION

NOTE:
BASED ON 2020 FBC TABLE 1004.1.2 AND FFPC NFPA 101 TBL. 7.3.1.2
HIGHEST OCCUPANCY FACTOR WAS USED TO DETERMINED HIGHEST OCCUPANCY LOAD

| LABEL | ROOM NAME | OCCUPANCY OF SPACE AS PER TABLE 1004.1.2 2020 FBC | AREA | 2020 FBC | | FFPC NFPA 101 | |
|---|---|---|---|---|---|---|---|
| | | | | FLOOR AREA S.F. PER OCCUPANTT | # OF OCCUPANTS | FLOOR AREA S.F. PER OCCUPANTT | # OF OCCUPANTS |
| 101 | SALES AREA | MERCANTILE | 806 SF | 60 gross | 14 | 30 gross | 27 |
| 105/106 107 | WALK-IN COOLER AREA/UTILITY | STORAGE | 527 SF | 300 gross | 2 | 300 gross | 2 |
| 102 /103 | CASHIER AREA/OFFICE | BUSINESS | 204 SF | 150 gross | 2 | 150 gross | 2 |
| | | | | | | | |
| | | | | | | | |
| TOTAL OF OCCUPANTS | | | | | 18 | | 31 |

## BUILDING AREAS

| | |
|---|---|
| C-STORE SALES: | 806 S.F. |
| OFFICE: | 63 S.F. |
| CASHIER: | 141 S.F. |
| WALK-IN COOLER(S): | 375 S.F. |
| RESTROOM: | 174 S.F. |
| HALLWAY: | 49 S.F. |
| UTILITY: | 152 S.F. |
| TOTAL S.F.: | 1,760 S.F. /PER AREAS |
| GROSS BLDG AREA: | 1,890 S.F.* |

* OUT/OUT EXTERIOR WALLS

## ACCESSIBILITY SIGNS

- SIGN 1 — INTERNATIONAL SYMBOL OF ACCESSIBILITY
- SIGN 2 — "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS" LETTER MIN. 1" HIGH. SIGN MOUNTED ABOVE DOOR.
- SIGN 3 — TACTILE EXIT SIGN SHALL COMPLY SECTION 703.3, FBCA / ANSI A117.1 2020
- SIGN 4 — UNISEX RESTROOM
- SIGN 5 — EMPLOYEES ONLY

NOTES:

INSPECTOR MAY REQUIRE ADDITIONAL EXIT SIGNS AT THE TIME OF FINAL INSPECTION. ALL EGRESS SIGNS SHALL COMPLY WITH NFPA 101, CHAPTER 7, SECTION 7.10

INSPECTOR MAY REQUIRE ADDITIONAL EMERGENCY LIGHTING AT THE TIME OF FINAL INSPECTION. ALL EMERGENCY LIGHTS SHALL COMPLY WITH NFPA 101, CHAPTER 7, SECTION 7.90

SIGNAGE COMPANY AND GC TO BOTH MAKE SURE ALL UTILITY LINES HAVE BEEN LOCATED PRIOR TO DIGGING FOOTING.

GC RESPONSIBLE TO CALL AND HAVE UTILITIES LOCATED.

SIGNAGE COMPANY RESPONSIBLE TO CONFIRM THIS HAS BEEN DONE.

## LEGEND

- = ROUTE FROM THE REMOTEST ROOM OR SPACE TO NEAREST EXIT.
- = DIAGONAL DISTANCE OF THE BUILDING OR AREA
- = STRAIGHT LINE DISTANCE BETWEEN EXITS
- = MOST REMOTE POINT WITHIN THIS AREA
- = EXIT TACTILE SIGN
- = ILLUMINATED EXIT SIGN
- = 2X4 LAY-IN FIXTURE W/ EMERGENCY BALLAST
- LED SECURITY LIGHT WITH BATTERY BACK-UP
- WALL MOUNTED FIRE EXTINGUISHER INSTALLED AT 48" MAX. A.F.F., TYPE 2A-10BC AND CLASS A 6L. FIRE EXTINGUISHERS TO COMPLY W/ NFPA-1 UNIFORM FIRE CODE. FLORIDA FIRE PREVENTION CODE 2020 EDITION. CHAPTER 13.6. PORTABLE EXTINGUISHERS (PROVIDE ONE PER EVERY 2,500 S.F.) (MAX. TRAVEL DISTANCE 75'-0")
- K — WALL MOUNTED FIRE EXTINGUISHER 2.5 GAL. INSTALLED AT 48" MAX. A.F.F., TYPE K LOCATED IN PREPARATION AREA . FIRE EXTINGUISHERS TO COMPLY W/ NFPA-1 UNIFORM FIRE CODE. FLORIDA FIRE PREVENTION CODE 2020 EDITION. CHAPTER 13.6. PORTABLE EXTINGUISHERS (MAX.TRAVEL DISTANCE 30'-0")

## GENERAL NOTES

1. MEANS OF EGRESS SHALL BE ILLUMINATED WITH AT LEAST ONE-FOOT CANDLE AT THE FLOOR LEVEL (WALKING SURFACE). REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
2. MINIMUM RADIO SIGNAL STRENGTH FOR FIRE DEPARTMENT COMMUNICATIONS SHALL BE MAINTAINED AT A LEVEL DETERMINED BY THE AHJ AND, IF SIGNAL STRENGTH IS NOT SUFFICIENT, A TWO-WAY RADIO COMMUNICATION ENHANCEMENT SYSTEM COMPLYING WITH NFPA 72/1221 SHALL BE INSTALLED WITH BUILDING ORCAT PERMITS, TESTED, AND APPROVED BEFORE ANY TCO/OCCUPANCY MAY OCCUR, PER 11.10 AND BROWARD COUNTY AMENDMENTS TO THE FLORIDA BUILDING CODE - SECTION 118-TWO-WAY RADIO COMMUNICATION ENHANCED PUBLIC SAFETY SIGNAL BOOSTER SYSTEMS.

## ACCESSSIBILITY NOTES

1. ACCESS TO THESE FACILITIES SHALL BE PROVIDED AT PRIMARY ENTRANCES.
2. THE SLOPE OF PUBLIC WALKS SHALL NOT EXCEED MAX. - GROSS SLOPE 2%.
3. WALKING SURFACE SLOPING GREATER THAN 2% SHALL BE SLIP RESISTANT.
4. PROVIDE A 60"x60" MIN. LANDING ON STRIKE SIDE OF DOOR W/ 44" MIN. WIDTH IN DIRECTION OF TRAVEL.
5. WALKS SHALL EXTEND 24" TO THE SIDE OF THE STRIKE EDGE OF A DOOR OR GATE THAT SWINGS TOWARD THE WALK.
6. THE SLOPE OF RAMPS SHALL NOT EXCEED 1'-0" IN 15'-0" U.N.O.
7. RAMPS SHALL HAVE A NON-SLIP SURFACE.
8. RAMPS SHALL BE 48" WIDE MIN.
9. EVERY REQUIRED EXIT DOORWAY SHALL BE SIZED FOR A DOOR NOT LESS THAN 3 FT. WIDE BY NOT LESS THAN 6'-8" HIGH CAPABLE OF OPENING 90° AND MOUNTED SO THAT THE CLEAR WIDTH OF THE EXIT WAY IS 32" MIN.
10. THRESHOLD TO BE A MAX. 1/2" ABOVE ADJACENT FINISH FLOOR. ANY DOOR THRESHOLDS OVER 0.025" IN HEIGHT SHALL BE BEVELED WITH THE SLOPE NOT STEEPER THAN 1 IN 2.
11. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 LBS.
12. THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE.
13. PROVIDE LEVER TYPE HARDWARE. PANIC BARS, PUSH - PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. (30" TO 44" A.F.F.)
14. EVERY EXIT DOOR SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT. FLUSH OR SURFACE BOLTS SHALL BE AUTOMATIC TYPE. LOCKABLE DOORS SHALL BE PROVIDED WITH A SIGN STATING "THESE DOORS TO REMAIN UNLOCKED DURING BUSINESS HOURS" IN MIN. 1" HIGH LETTERS.
15. EXIT SIGNS WHERE NOTED OR REQUIRED SHALL BE WORDED "EXIT" IN AND LETTERS HAVING THE PRINCIPAL STROKE OF NOT LESS THAN 3/4" WIDE AND 6" HIGH AND SHALL CONFORM TO ALL APPLICABLE CODES.
16. PROVIDE ILLUMINATED EXIT SIGNS AND EMERGENCY LIGHTING AT ALL EXIT CORRIDORS AS REQUIRED BY CODE. EMERGENCY LIGHTING SHALL PROVIDE ILLUMINATION OF ONE FOOT CANDLE AT FLOOR LEVEL.
17. DOORS TO ACCESSIBLE SANITARY FACILITIES SHALL BE IDENTIFIED BY 1/4" THICK GEOMETRIC SYMBOLS OF CONTRASTING COLOR, CENTERED ON THE DOOR AT A HEIGHT OF 60" AFF (12" EQUILATERAL TRIANGLE FOR MEN AND 12" DIAMETER CIRCLE FOR WOMEN) 12. POST INTERNATIONAL SYMBOL OF ACCESSIBILITY ON OR ADJACENT TO ALL ACCESSIBLE BUILDING ENTRANCES. LOCATION AS INDICATED BY OWNER.
18. THE MAXIMUM EFFORT REQUIRED TO OPERATE FIRE-RATED DOORS IS 15 LBS., EXIT DOORS IS 8.5 LBS. FOR EXTERIORS, AND 5 LBS. FOR INTERIOR DOORS.

CLIENT:

SUNSHINE GASOLINE DISTRIBUTORS,INC.

DESIGN TEAM TITLE:


MDM SERVICES, INC.
engineering • environmental • construction
2151 W. HILLSBORO BLVD, DEERFIELD BEACH, FLORIDA 33442
Phone: (954) 427-3076
FLORIDA CA #4857


| NO. | DATE | REVISION DESCRIPTION |
|---|---|---|

DAIMIAN DWIGHT LESLIE LICENSE No. 73113 STATE OF FLORIDA PROFESSIONAL ENGINEER

Digitally signed by Daimian D Leslie
Date: 2023.06.29 09:32:50-04'00'

DAIMIAN D. LESLIE
FL REG # 73113

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY DAIMIAN D. LESLIE ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

PROJECT DESCRIPTION:

**NEW C-STORE**

SITE DESIGNATION:

**SUNSHINE GASOLINE DISTRIBUTORS CHEVRON GAS STATION #010**

SITE ADDRESS:

**301 POMPANO PKWY, POMPANO BEACH, FL 33069**

| | |
|---|---|
| SCALE: AS NOTED | MDM JOB # 21119 |
| DATE: 08-11-2022 | |
| DESIGNED BY: SKH | |
| DRAWN BY: SKH | FILE NAME: 21119 CD.DWG |
| CHECKED BY: | |

DRAWING TITLE:

**LIFE SAFETY PLAN**

SHEET NO.: **A-1.1**

DRC
PZ22-12000038
08/16/2023


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