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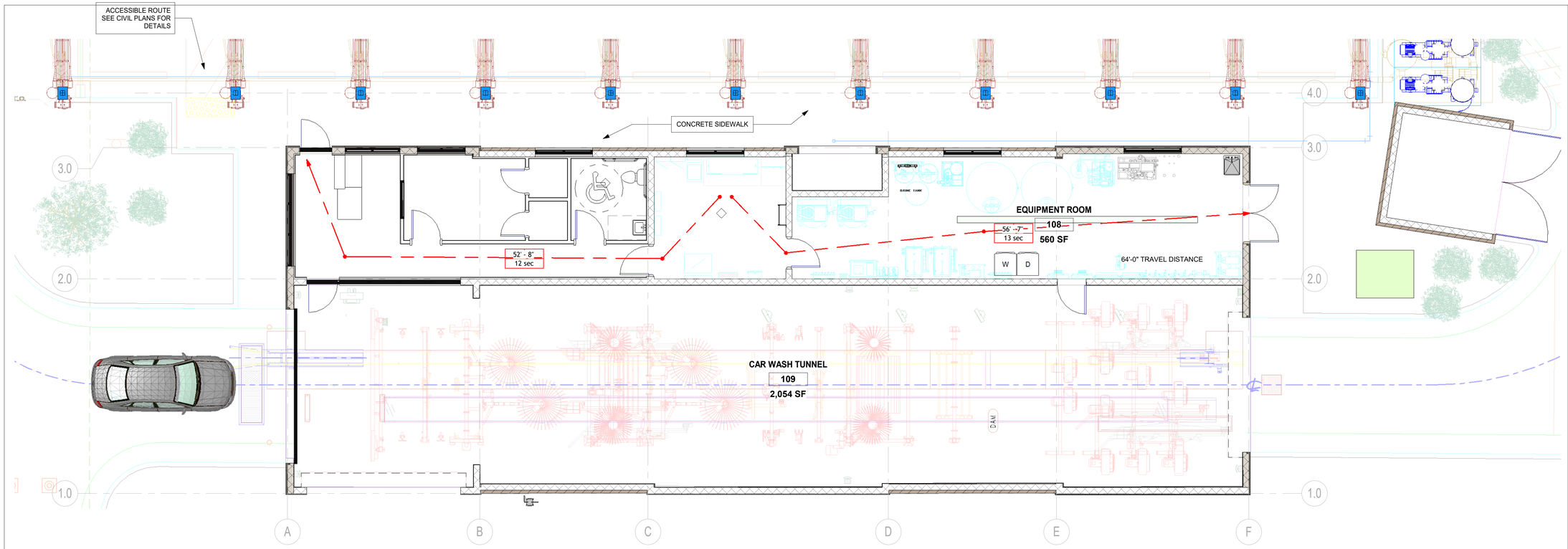

1 A100I LIFE SAFETY PLAN
3/16" = 1'-0"

OCCUPANT LOAD CALCULATIONS:

OCCUPANCT LOAD:
(PER TABLE 1004.5)

BUSINESS AREA:	
OPERATIONS OFFICE	228 SF
OFFICE	110 SF
DATA / STORAGE	16 SF
RESTROOM	67 SF
	421 SF

BUSINESS AREA OCCUPANTS: (100 SF GROSS / OCC.) 421/150 = 3 OCC.

ANCILLARY STORAGE, MECHANICAL EQUIPMENT AREA:

CAR WASH TUNNEL	2,054 SF
ELECTRICAL ROOM	174 SF
MAT WASH	42 SF
EQUIPMENT ROOM	559 SF
	2,829 SF

ANCILLARY EQ. AREA OCCUPANTS: (300 SF GROSS / OCC.) 2,829/300 = 10OCC.

TOTAL OCCUPANT LOAD PER CODE: 13 OCC.

ACTUAL OCCUPANT LOAD: 5-7 OCC.

CAR WASH HAS 3-5 MAX EMPLOYEES ON SITE AT ANY ONE TIME. CUSTOMERS STAY IN THEIR CARS THROUGH THE WASH AND STAY OUTSIDE TO VACUUM THEIR CARS. OCCAISIONALLY CUSTOMER WILL ENTER OFFICE TO USE RESTROOM OR PURCHASE A MONTHLY PASS.

EGRESS CALCULATIONS:

TOTAL OCCUPANT LOAD PER CODE: 26 OCC.

EGRESS WIDTH REQUIRED AT DOORS:
26 OCC. X.2" PER OCC. = 5.2" WIDE MIN. DOOR PROVIDED 34" CLEAR

MAX COMMON PATH OF TRAVEL REQUIRED: 75'
PROVIDED: 74'-7"

MINIMUM NUMBER OF EXITS REQUIRED: 2
PROVIDED: 2

TRAVEL DISTANCE MAXIMUM: 200'
PROVIDED: 74'-7"

LIFE SAFETY NOTES:

WHILE IT IS THE INTENT Of THE ARCHITECT. HIS/HER EMPLOYEE & AND ASSIGNS TO ADHERE TO ALL ASPECTS AND REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND LOCAL ACCESSIBILITY CODES, THE CONTRACTOR SHALL NOT BE RELIEVED OF SOLE RESPONSIBILITY TO VERIFY ALL REQUIREMENTS OF SAID ACTS AS PERTAINING TO CONTRACT DOCUMENT CONTAINED HEREIN PRIOR TO COMMENCEMENT OF ANY WORK.

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE TO IMMEDIATELY NOTIFY THE ARCHITECT OF POSSIBLE DISCREPANCIES & TO PAY SPECIAL ATTENTION TO ITEMS LISTED BELOW:

A. REFER TO COVER SHEET FOR CODE SUMMARY & BUILDING DATA.
B. REFER TO ARCHITECTURAL FLOOR PLANS FOR BUILDING DIMENSIONS.
C. REQUIRED ACCESSIBLE PARKING AREAS. CURBS. CROSSWALKS. SIGNS. ETC. SHALL COMPLY WITH CURRENT STATE AND LOCAL CODES.
D. TACTILE EXIT SIGNS SHALL BE PROVIDED AT THE FOLLOWING LOCATIONS:

D.1. EACH GRADE LEVEL EXTERIOR DOOR SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORD -EXIT'.

D.2. EACH EXIT. EXIT ACCESS DOOR FROM AN INTERIOR ROOM OR AREA TO A CORRIDOR OR HALLWAY THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN. SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS. 'EXIT ROUTE.

A. THE BOTTOM 10" OF ALL DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST.

B. NO THRESHOLD SHALL EXCEED 1/2" IN HEIGHT.

C. HAND-OPERATED DOOR OPENING HARDWARE SHALL NOT REQUIRE TIGHT GRASPING OR TWISTING OF THE WRIST IN ORDER TO OPERATE. AND SHALL BE MOUNTED NO HIGHER THAN 48 A.F.F.

D. MAXIMUM FORCE REQUIRED TO OPEN EXTERIOR DOORS SHALL NOT EXCEED 5 LBS. MAXIMUM FORCE REQUIRED TO OPEN INTERIOR DOORS SHALL NOT EXCEED 8.5 LB&

E. IF A DOOR HAS A CLOSER. THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES. THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 5 INCHES FROM THE LATCH. MEASURED TO THE LEADING EDGE OF THE DOOR.

F. FAUCET CONTROL AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING. PINCHING. OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS. LEVER OPERATED. FLUSH TYPE AND ELECTRONICALLY OPERATED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. IF SELF CLOSING VALVES ARE USED. THE FAUCET SHALL REMAIN OPEN FOR A MINIMUM OF 10 SECONDS.

G. PROVIDE SIGNAGE WITH INTERNATIONAL SYMBOL OF ACCESSIBILITY IN ACCORDANCE WITH ANSI A117.1 (LATEST EDITION) AND ADA REQUIREMENT.

H. SIGNAGE HEIGHT SHALL BE IN ACCORDANCE WITH ALL APPLICABLE NATIONAL STATE AND LOCAL ACCESSIBILITY CODES.

I. RESTROOM SIGNAGE SHALL BE MOUNTED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE RESPECTIVE RESTROOM DOOR.

J. FLAME SPREAD RATING SHALL BE CLASS C MINIMUM.

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Phone: (770) 995-5989

Signed by:
Kendall D Heard
D54020BEB8BD4C1...

STATE OF FLORIDA
KENDALL D. HEARD
REGISTERED ARCHITECT
AR92567
4/16/25

No.	Description	Date

EDGE EXPRESS
TUNNEL CAR WASH

POMPANO, FL.

CODE COMPLIANCE - LIFE SAFETY ACCESIBILITY

Project number	25-385
Date	4/16/25
Drawn by	cmc
Checked by	kdh
Scale	As indicated

DRC A100I

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06/04/2025

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