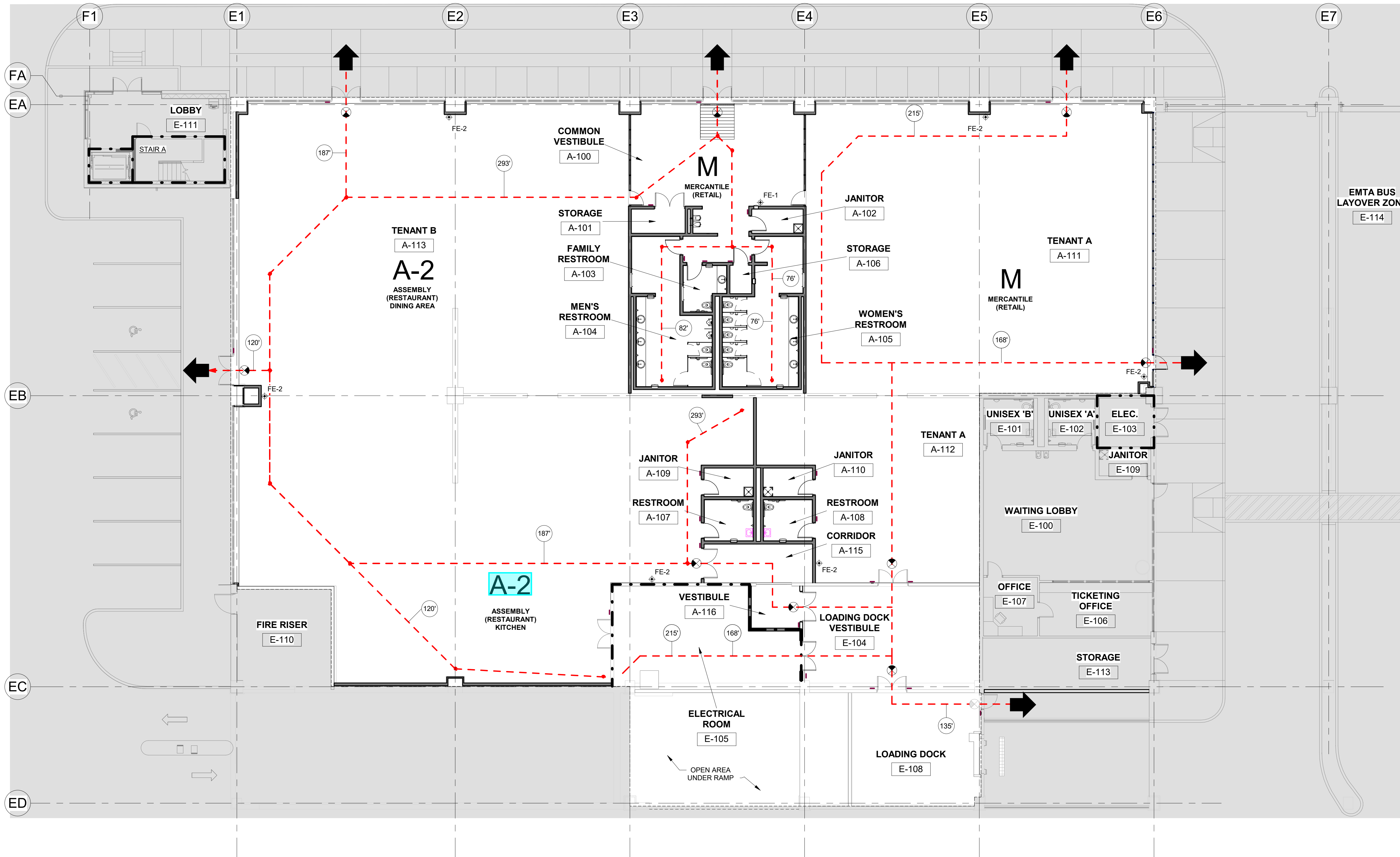


BUILDING CODE SUMMARY:					
PROJECT: ERIE METROPOLITAN TRANSIT AUTHORITY / INTERIOR FIT-OUT DESIGN, 127 E 14TH ST, ERIE, PA 16503					
KEY DETERMINATIONS:	CODE REFERENCE:	KEY DETERMINATIONS:	CODE REFERENCE:	KEY DETERMINATIONS:	CODE REFERENCE:
A. OCCUPANCY CLASSIFICATION: NON-SEPARATED MIXED USE 1. A-2 ASSEMBLY (RESTAURANT) 2. M. MERCANTILE (RETAIL)	IBC SECTION 302 IBC SECTION 508.3.1 IBC SECTION 303.3 IBC SECTION 303.1	F. FIRE RESISTANCE RATING: BUILDING ELEMENTS (BASED ON CONSTRUCTION TYPE/OCCUPANCY) PRIMARY STRUCTURAL FRAME BEARING WALLS EXTERIOR INTERIOR NON-BEARING WALLS AND PARTITIONS EXTERIOR (BASED ON FIRE SEPARATION DISTANCE) X < 5-FEET 5 < X < 10-FEET 10 < X < 30-FEET X > 30-FEET INTERIOR	IBC SECTION 602 IBC TABLES 601, 602 IBC SECTION 508	I. EGRESS REQUIREMENTS WHERE AN AREA UNDER CONSIDERATION CONTAINS MULTIPLE FUNCTIONS HAVING DIFFERENT OCCUPANT LOAD FACTORS, THE DESIGN OCCUPANT LOAD FOR SUCH AREA SHALL BE BASED ON THE FLOOR AREA OF EACH FUNCTION CALCULATED INDEPENDENTLY. WHERE A BUILDING CONTAINS TWO OR MORE OCCUPANCIES, THE MEANS OF EGRESS REQUIREMENTS SHALL APPLY TO EACH PORTION OF THE BUILDING BASED ON THE OCCUPANCY OF THAT SPACE. WHERE TWO OR MORE OCCUPANCIES UTILIZE PORTIONS OF THE SAME MEANS OF EGRESS SYSTEM, THOSE EGRESS COMPONENTS SHALL MEET THE MORE STRINGENT REQUIREMENTS OF ALL OCCUPANCIES THAT ARE SERVED.	IBC SECTION 1004 SECTION 1004.3 SECTION 1004.4
B. CONSTRUCTION TYPE: 1. TYPE I-B NONCOMBUSTIBLE, UNPROTECTED, WITH AUTOMATIC SPRINKLER SYSTEM	IBC SECTION 602 IBC SECTION 603.1	FLOOR CONSTRUCTION: INCLUDING SECONDARY MEMBERS (SUPPORTING BEAMS AND JOISTS) ROOF CONSTRUCTION: INCLUDING SECONDARY MEMBERS (SUPPORTING BEAMS AND JOISTS)	IBC SECTION 602 IBC TABLE 501.4 AND 506.2	J. ENERGY REQUIREMENTS CATEGORY: CLIMATE ZONE 5A (ERIE, PA)	IECC TABLE C301.1 IECC TABLE C402.1.3 IECC TABLE C402.1.4
C. MAXIMUM ALLOWABLE HEIGHT AND BUILDING AREAS: ALLOWABLE HEIGHT AND BUILDING AREA: 504.4 AND 506.2 USE GROUP A-2 (TYPE IIB CONSTRUCTION): (1-STORY) ALLOWED: (3) STORIES, 75' IN HEIGHT; 38,000 SF PROPOSED: (1) STORY, 17' IN HEIGHT; 10,420 SF USE GROUP M (TYPE IIB CONSTRUCTION): (1-STORY) ALLOWED: (3) STORIES, 75' IN HEIGHT; 50,000 SF PROPOSED: (1) STORY, 17' IN HEIGHT; 6,210 SF	IBC SECTION 503 IBC TABLE 501.4 AND 506.2	G. FIRE RESISTANCE RATED SEPARATION ASSEMBLIES 1. REQUIRED SEPARATION FOR ELECTRICAL ROOMS, TRANSFORMERS RATED LARGER THAN 12.5 KVA SHALL BE INSTALLED IN A TRANSFORMER ROOM WITH A MINIMUM OF 1-HOUR FIRE RATING.	IBC SECTION 903	K. PLUMBING FIXTURES RESTAURANT REQUIRED: (1) WATER CLOSET PER 75 MALE/FEMALE AND (1) LAVATORY PER 200, BASED UPON OCCUPANCY CALCULATION. (2) TOILETS MALE/FEMALE AND (1) LAVATORY MALE/FEMALE ARE REQUIRED. MERCANTILE REQUIRED: (1) WATER CLOSET PER 500; (1) LAVATORY PER 750, BASED UPON OCCUPANCY CALCULATION. (1) TOILET AND (1) LAVATORY IS REQUIRED. PROVIDED: MEN'S RESTROOM; (2) TOILETS; (2) URINALS AND (3) LAVATORIES; WOMEN'S RESTROOM; (2) TOILETS AND (3) LAVATORIES; IN ADDITION, THERE IS A PUBLIC ACCESS FAMILY RESTROOM AND SINGLE OCCUPANCY RESTROOMS IN BOTH TENANT SPACES, EACH WITH (1) TOILET AND (1) LAVATORY.	IBC SECTION 2902 IBC TABLE 2902.1
D. REQUIRED SEPARATION OF OCCUPANCIES (HOURS) FIRE SEPARATIONS BETWEEN OCCUPANCIES ARE NOT REQUIRED. THE ELECTRICAL ROOM SHALL BE SEPARATED FROM ADJACENT SPACES BY ONE-HOUR RATED CONSTRUCTION.	IBC SECTION 508 IBC TABLE 508.4	H. FIRE SUPPRESSION SYSTEMS REQUIRED: AN AUTOMATIC SPRINKLER SYSTEM SHALL BE PROVIDED THROUGHOUT STORES CONTAINING GROUP A-2 OCCUPANCIES ... WHERE ONE OF THE FOLLOWING CONDITIONS EXISTS: 1. THE FIRE AREA EXCEEDS 5,000 SQUARE FEET. 2. THE FIRE AREA HAS AN OCCUPANT LOAD OF 100 OR MORE. PROVIDED: FULLY AUTOMATIC SPRINKLER SYSTEM THROUGHOUT THE BUILDING.	IBC SECTION 903	LIFE SAFETY PLAN LEGEND --- 1 HOUR FIRE RATING --- 2 HOUR FIRE RATING ➡ EXIT DISCHARGE ➡ AREA OR SPACE EXIT ⊗ EXIT SIGN ⊕ FE-X FIRE EXTINGUISHER --- EGRESS PATH ⊗ TRAVEL DISTANCE (FEET) ⊗ COMMON PATH OF TRAVEL (FEET)	
E. INTERIOR FINISHES INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY GROUP A-2 (SPRINKLERED): EXIT ENCLOSURE AND EXIT PASSAGEWAY: CLASS B CORRIDORS: CLASS B ROOMS AND ENCLOSED SPACES: CLASS C GROUP M (SPRINKLERED): EXIT ENCLOSURE AND EXIT PASSAGEWAY: CLASS B CORRIDORS: CLASS C ROOMS AND ENCLOSED SPACES: CLASS C	TABLE 603.13			SUMMARY OF APPLICABLE ORDINANCES, CODES AND STANDARDS: A. BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE ER 31-19-APPROVED CHAPTER 8 COUNTY BUILDING CODE 2018 INTERNATIONAL BUILDING CODE 2018 INTERNATIONAL EXISTING BUILDING CODE 2015 IBC AMENDMENTS 2015 NFPA 101 LIFE SAFETY CODE CHAPTER 35 OF IBC-2018 REFERENCED STANDARDS B. ACCESSIBILITY CODE: PENNSYLVANIA ACCESSIBILITY CODE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES C. FIRE CODE: 2015 NFPA FIRE CODE D. ENERGY CODE: 2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) 2012 INTERNATIONAL GREEN CONSTRUCTION CODE E. MECHANICAL CODE: 2018 INTERNATIONAL MECHANICAL CODE (IMC) F. ELECTRICAL CODE: NFPA 70 (NATIONAL ELECTRIC CODE)	



LIFE SAFETY PLAN LEGEND

- 1 HOUR FIRE RATING
- 2 HOUR FIRE RATING
- ➡ EXIT DISCHARGE
- ➡ AREA OR SPACE EXIT
- ⊗ EXIT SIGN
- ⊕ FE-X FIRE EXTINGUISHER
- EGRESS PATH
- ⊗ TRAVEL DISTANCE (FEET)
- ⊗ COMMON PATH OF TRAVEL (FEET)

FIRE-STOPPING SYSTEMS TABLE

UL APPROVED FIRE-STOPPING SYSTEMS				
TYPE	MATL	1-HOUR	2-HOUR	
METALIC PIPE	GW	W-L-5001	W-L-5001	
	CMU	C-AJ-1013	C-AJ-1041	
NON-METALIC PIPE	GW	W-L-2205	W-L-2004	
	CMU	C-AJ-2019	C-AJ-2019	
CONDUIT	GW	W-L-8003	W-L-8003	
	CMU	C-AJ-3071	C-AJ-1041	
CABLE	GW	W-L-3086	W-L-3086	
	CMU	C-AJ-3029	C-AJ-3029	
CABLE TRAY	GW	W-L-4009	W-L-4009	
	CMU	C-AJ-4013	C-AJ-4013	
DUCTWORK	GW	W-L-7012	W-L-7013	
	CMU	C-AJ-7013	C-AJ-7014	
DECK CLOSURE	GW	HW-D-0021	HW-D-0021	
	CMU	HW-D-0039	HW-D-0039	
WALL CLOSURE SEALANT	GW	W-L-1001	W-L-1001	
	CMU	W-J-1028	W-J-1028	

NOTE:
PROVIDE UL APPROVED FIRE-STOPPING SYSTEMS AT FIRE RATED BARRIERS WHERE INDICATED IN LIFE SAFETY PLANS AND AT ANY PENETRATIONS AT GARAGE FLOOR ABOVE.

FIRST LEVEL NEW CONSTRUCTION - CODE PLAN

1 A-8 3/32" = 1'-0"

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: J. GARCIA	
DRAWN BY: A. DRESE	
SHEET CHKD BY: J. HERNANDEZ	
CROSS CHKD BY: S. KALNER	
APPROVED BY: T. KING	
DATE: APRIL 2024	



ERIE METROPOLITAN TRANSIT AUTHORITY
127 E 14TH ST, ERIE, PA 16503
INTERIOR FIT-OUT DESIGN

LIFE SAFETY PLAN AND CODE SUMMARY

PROJECT NO. 111119-286862
FILE NAME:
SHEET NO. G-3

CDM Architects Inc.
One Allegheny Square
Nova Tower 1, Suite 200
Pittsburgh, Pennsylvania 15212