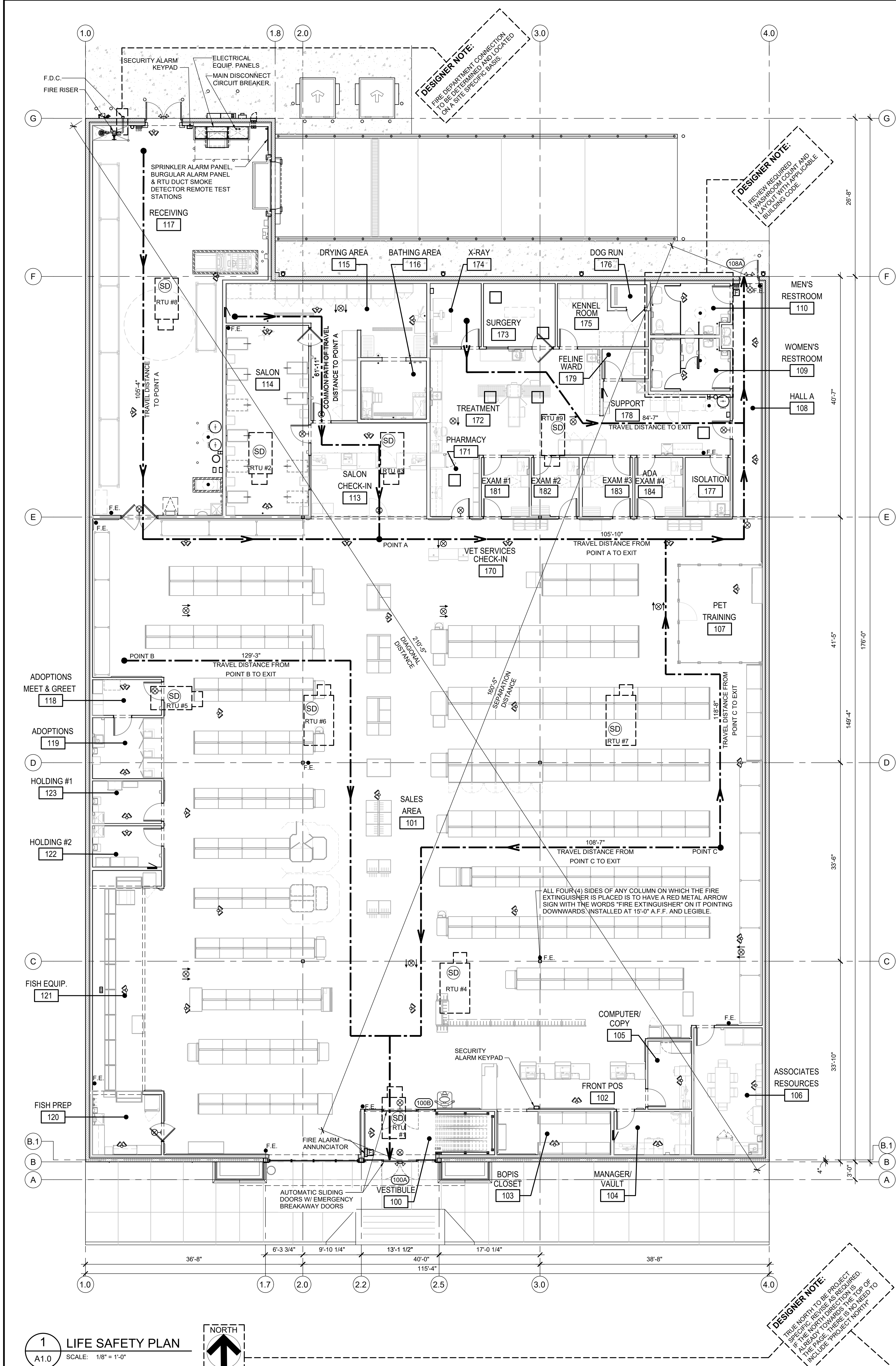




1 LIFE SAFETY PLAN
SCALE: 1/8" = 1'-0"

2 FLOOR AREA KEY PLAN
SCALE: 1/16" = 1'-0"

PLUMBING FIXTURE CALCULATIONS:

MIN. REQ'D. FIXTURES (PER 2018 IPC, CH. 4, TABLE 403.1)
NUMBER OF OCCUPANTS BY OCCUPANCY USE TYPE:

GROUP B:	36 x 50% = 18 MALE, 18 FEMALE
GROUP M:	173 x 50% = 87 MALE, 87 FEMALE
GROUP S:	7 x 50% = 4 MALE, 4 FEMALE

	WATER CLOSETS REQUIRED		LAVATORIES REQUIRED		DRINKING FOUNTAINS REQUIRED		SERVICE SINK REQUIRED
GROUP B	MALE	FEMALE	MALE	FEMALE			
	1: 25 (<50)	1: 40 (<80)	1: 40 (<80)	1: 80 (>50)	1: 100		1 SERVICE SINK
GROUP M	1: 500	1: 750	1: 750	1: 1,000	1: 1,000		
GROUP S	1: 100	1: 100	1: 100	1: 100	1: 100		

	WATER CLOSETS PROVIDED		LAVATORIES PROVIDED		DRINKING FOUNTAINS PROVIDED		SERVICE SINK PROVIDED
GROUP B	MALE	FEMALE	MALE	FEMALE			
	18 x 25 = 450	18 x 40 = 720	18 x 40 = 720	18 x 80 = 1,440	36 x 100 = 3,600		1 SERVICE SINK
GROUP M	87 x 500 = 43,500	87 x 750 = 65,250	87 x 750 = 65,250	87 x 1,000 = 87,000	173 x 1,000 = 173,000		
GROUP S	4 x 100 = 400	4 x 100 = 400	4 x 100 = 400	4 x 100 = 400	7 x 1,000 = 7,000		
SUB-TOTAL:	0.937	0.937	0.607	0.607	0.538		1
TOTAL PROVIDED:	2 PROVIDED PER EACH SEX		1 PROVIDED PER EACH SEX		1 HI + 1 LOW		1 SERVICE SINK

GENERAL-LIFE SAFETY NOTES:

- ALLOWABLE TRAVEL DISTANCE IS 250'-0" MAX.
- EXIT ACCESS DOORS SHALL BE PLACED SO THAT THE SEPARATION DISTANCE OF THE EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL NOT BE LESS THAN ONE-HALF (1/2) OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED.
- BUILDING SHALL BE FULLY SPRINKLERED
- GENERAL CONTRACTOR WILL FURNISH AND INSTALL UP TO A MINIMUM OF (1) 10 LB (SHOWN IN RECEIVING NEAR BATTERY CHARGER) AND (1) EACH 5 LB MULTIPURPOSE DRY CHEMICAL (2A/10BC) RATED FIRE EXTINGUISHERS WITH MOUNTING BRACKETS AND ACCESSORIES AT 4'-0" A.F.F. AS REQUIRED BY GOVERNMENTAL AUTHORITIES. MAXIMUM TRAVEL DISTANCE OF 75'-0" FOR PLACEMENT. PROVIDE RED METAL ARROW SIGNAGE ATTACHED WITH SCREWS AT EACH EXTINGUISHER. A COLUMN ON WHICH THE FIRE EXTINGUISHER IS PLACED IS TO SIGNAGE WITH THE WORDS "FIRE EXTINGUISHER" ON IT POINTING DOWNWARDS ON ALL FOUR (4) SIDES. EXTINGUISHERS SHALL CARRY AN EXPIRATION DATE OF ONE YEAR BEYOND THE DATE OF BUILDING TURNOVER. LOCATION SHOWN ON DRAWINGS FOR GENERAL REPRESENTATION. COORDINATE ACTUAL PLACEMENT OF FIRE EXTINGUISHERS WITH PETSMAART CONSTRUCTION MANAGER AND FIRE MARSHALL.

SPRINKLER DESIGN CRITERIA:

- PROVIDE WET PIPE AUTOMATIC SPRINKLER SYSTEM CONFORMING TO THE FOLLOWING CRITERIA:
- ALL AREAS EXCEPT RECEIVING:
N.F.P.A. 13
CLASS II COMMODITY
SHELF STORAGE, 12'-0" MAX. STORAGE
MINIMUM K-FACTOR = 5.5
ORDINARY HAZARD GROUP 2
DENSITY OF 0.20 G.P.M./S.F. OVER THE MOST REMOTE 1,500 S.F.
250 G.P.M. HOSE ALLOWANCE REQUIRED
- RECEIVING AREA:
N.F.P.A. 13
CLASS IV COMMODITY (NON-ENCAPSULATED)
SINGLE ROW RACKS, 18'-0" MAX. STORAGE 8'-0" AISLE, HIGH TEMP.
SPRINKLERS MINIMUM K-FACTOR = 11.2
DENSITY OF 0.32 G.P.M./S.F. OVER THE MOST REMOTE 2,000 S.F.
500 G.P.M. HOSE ALLOWANCE REQUIRED
- THE FIRE PROTECTION CONTRACTOR SHALL PERFORM, AS PART OF CONTRACT, A WATER FLOW TEST AT FIRE HYDRANTS NEAREST FIRE RISER SUPPLY LINE CONNECTION TO CITY WATER MAINS. TEST SHALL BE CONDUCTED PER MUNICIPALITY AND WATER DEPARTMENT REQUIREMENTS. TEST SHALL BE WITNESSED BY ALL AUTHORITIES HAVING JURISDICTION.
 - REFER TO FIRE SPRINKLER SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 - SYSTEM SHALL MEET ANY ADDITIONAL APPLICABLE REQUIREMENTS OF N.F.P.A., LOCAL CODES, OWNER AND INSURANCE CARRIER.
 - INFORMATION STATED ABOVE DOES NOT RELIEVE FIRE PROTECTION. CONTRACTOR FROM PROVIDING A COMPLETE AUTOMATIC SPRINKLER SYSTEM, INCLUDING ANY REQUIRED EQUIPMENT (FIRE PUMP, ETC.) TO COMPENSATE FOR INADEQUATE PRESSURE, AS REQUIRED BY CODE AND ALL PARTIES HAVING JURISDICTION.
 - THE USE OF SPRINKLER HEADS EQUIPPED WITH "O" RING SEAL SHALL BE PROHIBITED (NO EXCEPTIONS).
 - CENTRAL STATION SUPERVISION DEVICE SHALL BE PROVIDED.
 - THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE PLANS, SHOP DRAWINGS, AND HYDRAULIC CALCULATIONS, SIGNED AND SEALED BY THE FIRE PROTECTION (F.P.) PROFESSIONAL, TO ALL STATE AND LOCAL AUTHORITIES HAVING JURISDICTION. TO THE CITY, THE BUILDING OFFICIALS, THE FIRE DEPARTMENT, THE ENGINEER/ARCHITECT PROFESSIONAL OF RECORD, AND TO THE PETSMAART REPRESENTATIVE FOR REVIEW AS SOON AS POSSIBLE AFTER CONTRACT AWARD. MINIMUM SAFETY MARGIN OF 10% OR 5 PSIG REQUIRED WATER PRESSURE VS. AVAILABLE WATER PRESSURE SHALL BE PROVIDED IN HYDRAULIC CALCULATIONS. THE FIRE PROTECTION PROFESSIONAL OF RECORD SHALL BE RETAINED AND PAID FOR BY THE FIRE SPRINKLER CONTRACTOR.
 - PROVIDE BACKFLOW PREVENTER TO MEET THE REQUIREMENTS LISTED ABOVE WHERE REQUIRED BY CODE.
 - FIRE RISER SHALL BE LOCATED AS INDICATED ON PLAN. PROVIDE VERTICALLY MOUNTED RISER ASSEMBLY UNLESS PROHIBITED BY CODE.
 - PROVIDE INSPECTOR TEST CONNECTION WHEN REQUIRED.
 - LOCATE ALL SPRINKLER PIPING AS HIGH AS POSSIBLE. SPRINKLER PIPING SHALL NOT BE INSTALLED BELOW JOIST AND GIRDERS. NO EXCEPTIONS.
 - COORDINATE LOCATIONS OF FDC CONNECTIONS, INSPECTOR'S TEST VALVES AND SYSTEM DRAINS WITH FIXTURE PLAN. FINAL LOCATION APPROVAL BY PETSMAART CONSTRUCTION MANAGER.
 - SPRINKLER HEADS TO BE LOCATED IN CENTER OF CEILING TILE.
 - CONTRACTOR TO INSTALL A HYDRAULIC SYSTEM PLACARD ON THE PETSMAART FIRE RISER AT THE END OF THE PROJECT.

FIRE ALARM CRITERIA:

- FIRE ALARM SYSTEM TO BE PROVIDED BY THE GENERAL CONTRACTOR THROUGH NATIONAL ACCOUNT FIRE ALARM VENDOR. SEE REQUIRED VENDOR LIST AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- ALL MATERIAL AND LABOR FOR LOW VOLTAGE SYSTEMS SHALL BE PROVIDED BY ALARM CONTRACTOR, EXCEPT GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY ELECTRICAL POWER AND ANY CONDUIT SHOWN ON THE ELECTRICAL DRAWINGS FOR FIRE ALARM EQUIPMENT. SMOKE DETECTORS IN RTU RETURN AIR DUCTS SHALL BE PROVIDED IN ALL RTU'S AS SHOWN (RTU REQUIRED VENDOR).
- FIRE ALARM SYSTEM DESIGN IS THE RESPONSIBILITY OF THE LICENSED PETSMAART NATIONAL ACCOUNT VENDOR AND SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL REQUIREMENTS.
- FIRE ALARM SYSTEM SHALL INCLUDE, AS A MINIMUM, FIRE ALARM CONTROL CABINET; MANUAL PULL STATIONS AT ALL EGRESS DOORS; DUCT SMOKE DETECTORS IN ALL RTU'S AS INDICATED; DUCT SMOKE DETECTOR REMOTE TEST STATIONS AT TELEPHONE EQUIPMENT BOARD LOCATED IN RECEIVING OR LOCATED PER THE AHJ'S REQUEST; REMOTE ANNUNCIATOR AT FRONT ENTRANCE OR LOCATED PER THE AHJ'S REQUEST; AND RECHARGEABLE EMERGENCY BATTERY POWER.
- GENERAL CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL ITEMS REQUIRED FOR A COMPLETE FIRE ALARM SYSTEM.

LEGEND:

	INTERIOR EMERGENCY LIGHT WITH BATTERY PACK		FIRE EXTINGUISHER
	EXTERIOR EMERGENCY LIGHT WITH REMOTE INTERIOR EMERGENCY BATTERY BACKUP		DUCT SMOKE DETECTOR
	EXIT SIGN		FIRE ALARM MANUAL PULL STATION
	2x2 EMERGENCY LED LIGHT FIXTURE WITH BATTERY BACKUP (VET AREA)		KNOX BOX

EXITING & ALLOWABLE AREA:

BUILDING SET BACKS:

BLDG. AREA - ALLOWABLE:

BASE:	12,500 S.F.
SPRINKLER (300% OF BASE):	37,500 S.F.
TOTAL ALLOWABLE:	50,000 S.F.

OCCUPANT SQUARE FOOTAGE BREAKDOWN (PER 2018 IBC) (INSIDE FACE OF EXTERIOR PERIMETER WALLS)

	AREA (SQ. FT.)	LOAD FACTOR	OCCUPANCY
BUSINESS	5,298	150	35.32
MERCANTILE (RETAIL)	10,342	60	172.37
STORAGE	334	300	6.89
STORAGE (RECEIVING)	1,734		7
OCCUPANCY SQ. FOOTAGE GRAND TOTAL	17,708		216

OCCUPANT LOAD BREAKDOWN

OCCUPANCY TYPE	AREA (SQ. FT.)	LOAD FACTOR	OCCUPANCY
BUSINESS (GROUP B)	5,298	150	35.32
RETAIL (GROUP M)	10,342	60	172.37
RECEIVING/STORAGE (GROUP S)	2,068	300	6.89
OCCUPANT LOAD TOTAL:			214.58

EXITS: (PER TABLE 1006.3.2)

OCCUPANT LOAD PER STORY	MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS FROM STORY
1 - 500	2
501 - 1,000	3
> 1,000	4

EXITS PROVIDED: 2

EXIT WIDTH: (PER SECTION 1006.3.2)

216 OCCUPANTS X 20 INCHES/OCCUPANT	REQUIRED: 3'-7 1/4"
	PROVIDED: 7'-10"
	THEREFORE OK

DESIGNER NOTE: THIS INFORMATION IS BASED ON THE ASSUMPTIONS OF THE PETSMAART REPRESENTATIVE FOR REVIEW AS SOON AS POSSIBLE AFTER CONTRACT AWARD. MINIMUM SAFETY MARGIN OF 10% OR 5 PSIG REQUIRED WATER PRESSURE VS. AVAILABLE WATER PRESSURE SHALL BE PROVIDED IN HYDRAULIC CALCULATIONS. THE FIRE PROTECTION PROFESSIONAL OF RECORD SHALL BE RETAINED AND PAID FOR BY THE FIRE SPRINKLER CONTRACTOR.

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Phoenix, Arizona 85027 - (623) 580-6100

PROJECT: 18K 2025 U.S. VET SERVICES INSTRUCTION SET

ARCHITECT: FEBRUARY 12, 2025

CONSULTANT:

SEAL:

CITY SEAL:

DISCLAIMER: THIS DRAWING AND DESIGN IN COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY PETSMAART. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK. THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR:

#	DESCRIPTION	DATE

PROJECT NO: 18K 2025 U.S. INSTRUCTION SET

ORIGINAL SCALE: AS INDICATED

DRAWN BY: XXXX

CHECKED BY: XXXX

PAGE #: 01 OF 56

DISCIPLINE: ARCHITECTURAL

TITLE: LIFE SAFETY PLAN

SHEET NUMBER: A1.0

DESIGNER NOTE: PROVIDE 100% LOCAL FURNISHING WITH LOCAL AND LOCATION WITH LOCAL AND

DESIGNER NOTE: UPDATE THESE TABLE CELLS ONLY WITH THE PROJECT SPECIFIC DATA. DATA ENTERED WILL UPDATE AUTOMATICALLY.