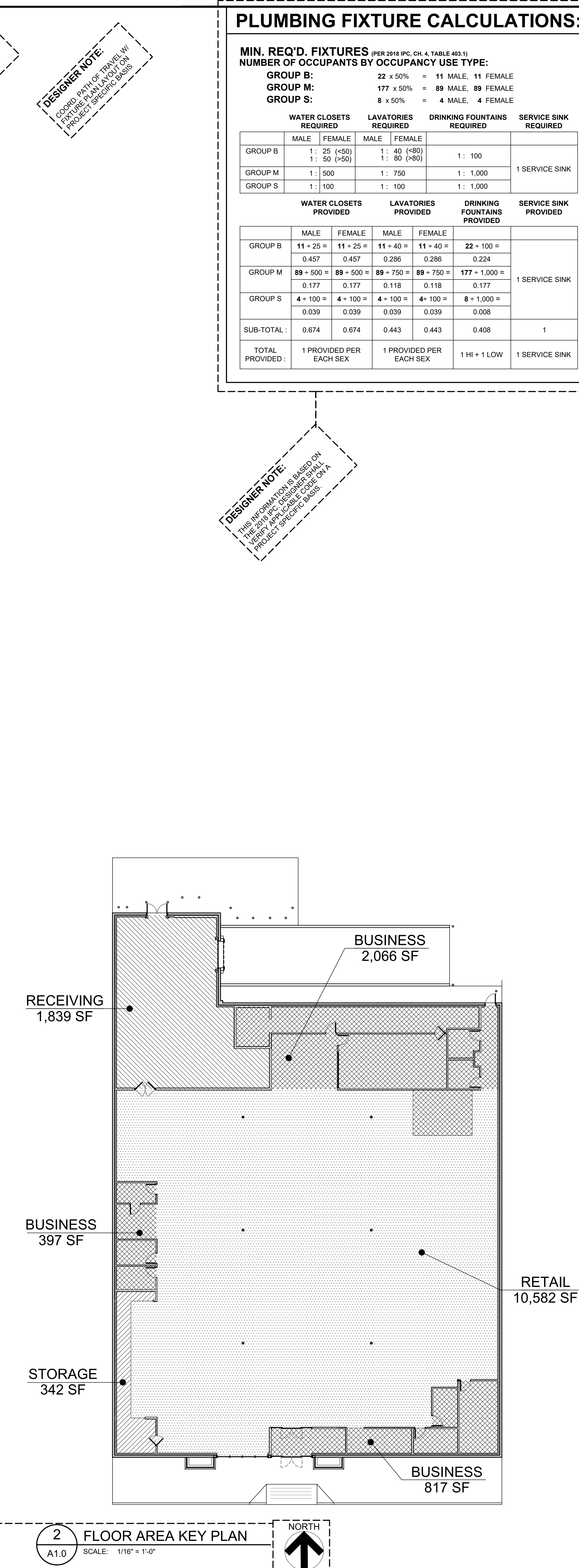




GENERAL-LIFE SAFETY NOTES:

1. ALLOWABLE TRAVEL DISTANCE IS 250'-0" MAX.
2. EXIT ACCESS DOORS SHALL BE PLACED SO THAT THE SEPARATION DISTANCE OF THE EXIT DOORS/EXIT ACCESS DOORWAYS SHALL NOT BE LESS THAN ONE-HALF OF THE LENGTH OF THE MAXIMUM ALLOWED DIAGONAL DIMENSION OF THE AREA SERVED.
3. BUILDING SHALL BE FULLY SPRINKLERED
4. GENERAL CONTRACTOR WILL FURNISH AND INSTALL UP TO A MINIMUM OF (1) 10 LB (SHOWN IN RECEIVING NEAR SLABS FLOOR DOOR) AND (10) EACH 5LB MULTIPURPOSE DRY CHEMICAL (2A-10BC) RATED FIRE EXTINGUISHERS WITH MOUNTING BRACKETS AND LOCKS LOCATED 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 THE MONTH AND YEAR OF THE DATE OF BUREAU OF FIRE PROTECTION SHOWN ON DRAWINGS FOR GENERAL REPRESENTATION, COORDINATE ACTUAL LOCATION OF FIRE EXTINGUISHERS WITH PETSMAIT 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 III COMMODITY
SHELF STORAGE, 12'-0" MAX. STORAGE
CLOIMBER HAZARDOUS - 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, 16'-0" MAX. STORAGE 8'-0" AISLE, HIGH TEMP.
SPRINKLERS MINIMUM K-FACTORS OF 1.5
DENSITY OF 0.32 G.P.M/S.F. OVER THE MOST REMOTE 2,000 S.F.
250 G.P.M. HOSE ALLOWANCE REQUIRED

1. 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. FLOWING MINIMUM TEST SHALL BE CONDUCTED PER MUNICIPALITY AND WATER DEPARTMENT REQUIREMENTS. TEST SHALL BE WITNESSED BY ALL AUTHORITIES HAVING JURISDICTION.
2. REFER TO FIRE SPRINKLER SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. SYSTEM SHALL MEET ANY ADDITIONAL APPLICABLE REQUIREMENTS OF N.F.P.A., LOCAL CODES, OWNER AND INSURANCE CARRIER.
4. INFORMATION STATED ABOVE DOES NOT RELIEVE FIRE PROTECTION CONTRACTOR FROM PROVIDING A COMPLETELY SATISFACTORY SPRINKLER SYSTEM, INCLUDING ANY REQUIRED EQUIPMENT (FIRE PUMP, ETC.) TO COMPENSATE FOR INADEQUATE PRESSURE, AS REQUIRED BY CODE AND ALL PARTIES HAVING JURISDICTION.
5. THE USE OF SPRINKLER HEADS EQUIPPED WITH "O" RING SEAL SHALL BE PROHIBITED (NO EXCEPTIONS)
6. CENTRAL STATION SUPERVISION DEVICE SHALL BE PROVIDED.
7. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE PLANS, SHOP DRAWINGS, AND HYDRAULIC CALCULATIONS, SIGNED AND SEALED BY THE FIRE PROTECTION (P.E.) ENGINEER OF RECORD. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY STATE AND LOCAL AUTHORIZATIONS TO THE CITY, THE BUILDING OFFICIALS, THE FIRE DEPARTMENT, THE ENGINEER/ARCHITECT OF RECORD, AND THE CITY ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEW AS SOON AS POSSIBLE AFTER CONTRACT AWARD. MINIMUM SAFETY MARGIN OF 10% OR 3 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.
8. PROVIDE BACKFLOW PREVENTER TO MEET THE REQUIREMENTS LISTED ABOVE WHERE REQUIRED BY CODE.
9. FIRE RISER SHALL BE LOCATED AS INDICATED ON PLAN. PROVIDE VERTICALLY MOUNTED RISER ASSEMBLY UNLESS PROHIBITED BY CODE.
10. PROVIDE INSPECTOR TEST CONNECTION WHEN REQUIRED.
11. LOCATE ALL SPRINKLER PIPING AS HIGH AS POSSIBLE. SPRINKLER PIPING SHALL NOT BE INSTALLED BELOW BOTTOM OF STEEL JOISTS AND GIRDERS. NO EXCEPTIONS.
12. COORDINATE LOCATIONS OF FDC CONNECTIONS, INSPECTORS TEST VALVES AND SYSTEM DRAINS WITH FIXTURE PLAN. FINAL LOCATION APPROVAL BY PETSMAIT CONSTRUCTION MANAGER.
13. SPRINKLER HEADS TO BE LOCATED IN CEILING OR ABOVE CEILING TIE.
14. CONTRACTOR TO INSTALL A HYDRAULIC SYSTEM PLACARD ON THE PETSMAIT FIRE RISER AT THE END OF THE PROJECT.

FIRE ALARM CRITERIA:

1. 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. 2. 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 RTUS AS SHOWN (RTU REQUIRED VENDOR). 3. FIRE ALARM SYSTEM DESIGN IS THE RESPONSIBILITY OF THE LICENSED PESTSMART NATIONAL ACCOUNT VENDOR AND SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL REQUIREMENTS. 4. FIRE ALARM SYSTEM SHALL INCLUDE, AS A MINIMUM, FIRE ALARM CONTROL CABINET, MANUAL PULL STATIONS AT ALL EGRESS DOORS, DUCT SMOKE DETECTORS IN ALL RTUS AS INDICATED, DUCT SMOKE DETECTOR REMOTE TEST STATIONS AT TELEPHONE EQUIPMENT BOARD LOCATED IN RECEIVING OR LOCATED PER THE AHJS REQUEST, REMOTE ANNUNCIATOR AT FRONT ENTRANCE OR LOCATED PER THE AHJS REQUEST, AND RECHARGEABLE BATTERY PACK. 5. GENERAL CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL ITEMS REQUIRED FOR A COMPLETE FIRE ALARM SYSTEM.	LEGEND: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center; vertical-align: top;">  INTERIOR EMERGENCY LIGHT WITH BATTERY PACK </td><td style="width: 50%; text-align: center; vertical-align: top;">  F.E. FIRE EXTINGUISHER </td></tr> <tr> <td style="text-align: center; vertical-align: top;">  EXTERIOR EMERGENCY LIGHT WITH REMOTE INTERIOR EMERGENCY BATTERY BACKUP </td><td style="text-align: center; vertical-align: top;">  SD DUCT SMOKE DETECTOR </td></tr> <tr> <td style="text-align: center; vertical-align: top;">  EXIT SIGN </td><td style="text-align: center; vertical-align: top;">  FIRE ALARM MANUAL PULL STATION </td></tr> </table>	 INTERIOR EMERGENCY LIGHT WITH BATTERY PACK	 F.E. FIRE EXTINGUISHER	 EXTERIOR EMERGENCY LIGHT WITH REMOTE INTERIOR EMERGENCY BATTERY BACKUP	 SD DUCT SMOKE DETECTOR	 EXIT SIGN	 FIRE ALARM MANUAL PULL STATION
 INTERIOR EMERGENCY LIGHT WITH BATTERY PACK	 F.E. FIRE EXTINGUISHER						
 EXTERIOR EMERGENCY LIGHT WITH REMOTE INTERIOR EMERGENCY BATTERY BACKUP	 SD DUCT SMOKE DETECTOR						
 EXIT SIGN	 FIRE ALARM MANUAL PULL STATION						

1

[KNOX BOX]

EXITING & ALLOWABLE AREA:

BUILDING SET BACKS:

BLDG. AREA - ALLOWABLE:

BASE:

SPRINKLER (300% OF BASE):

TOTAL ALLOWABLE:

12,500 S.F.

37,500 S.F.

50,000 S.F.

OCCUPANT SQUARE FOOTAGE BREAKDOWN

GROSS FLOOR AREA: (PER 2018 IRC)
(INSIDE FACE OF EXTERIOR PERIMETER WALLS)

16,043 SQ.FT.

BUSINESS		3,280
MERCANTILE (RETAIL)		10,582
STORAGE		342
STORAGE (RECEIVING)		1,839
OCCUPANCY SQ. FOOTAGE GRAND TOTAL		16,043

OCCUPANT LOAD BREAKDOWN

OCCUPANCY TYPE	AREA (SQ. FT.)	LOAD FACTOR	OCCUPANCY	
BUSINESS (GROUP B)	3,280	150	21.87	22
RETAIL (GROUP M)	10,582	60	176.37	177
RECEIVING/STORAGE (GROUP S)	2,181	300	7.27	8
OCCUPANT LOAD TOTAL:			205.50	208

EXITS:

(PER TABLE 1005.3.2)

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 REQUIRED: 2

EXITS PROVIDED: 2

(PER SECTION 1005.3.2)

DOOR	INCHES/ OCCUPANT	REQUIRED: 3'-5 1/2"
208 OCCUPANTS X 20		41.5
DOOR #100A = 5'-0"		
DOOR #100B = 5'-0"		
DOOR #100A = 2'-10" > 50% X 3'-5 1/2"		

REQUIRED: 3'-5 1/2"
PROVIDED: 7'-10"
THEREFORE OK

DESIGNER NOTE:
THIS INFORMATION IS FOR THE ARCHITECT'S USE ONLY. IT IS PROVIDED AS A SERVICE SPECIFIC TO THIS PROJECT AND IS NOT TO BE REPRODUCED OR USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT.

[illegible]