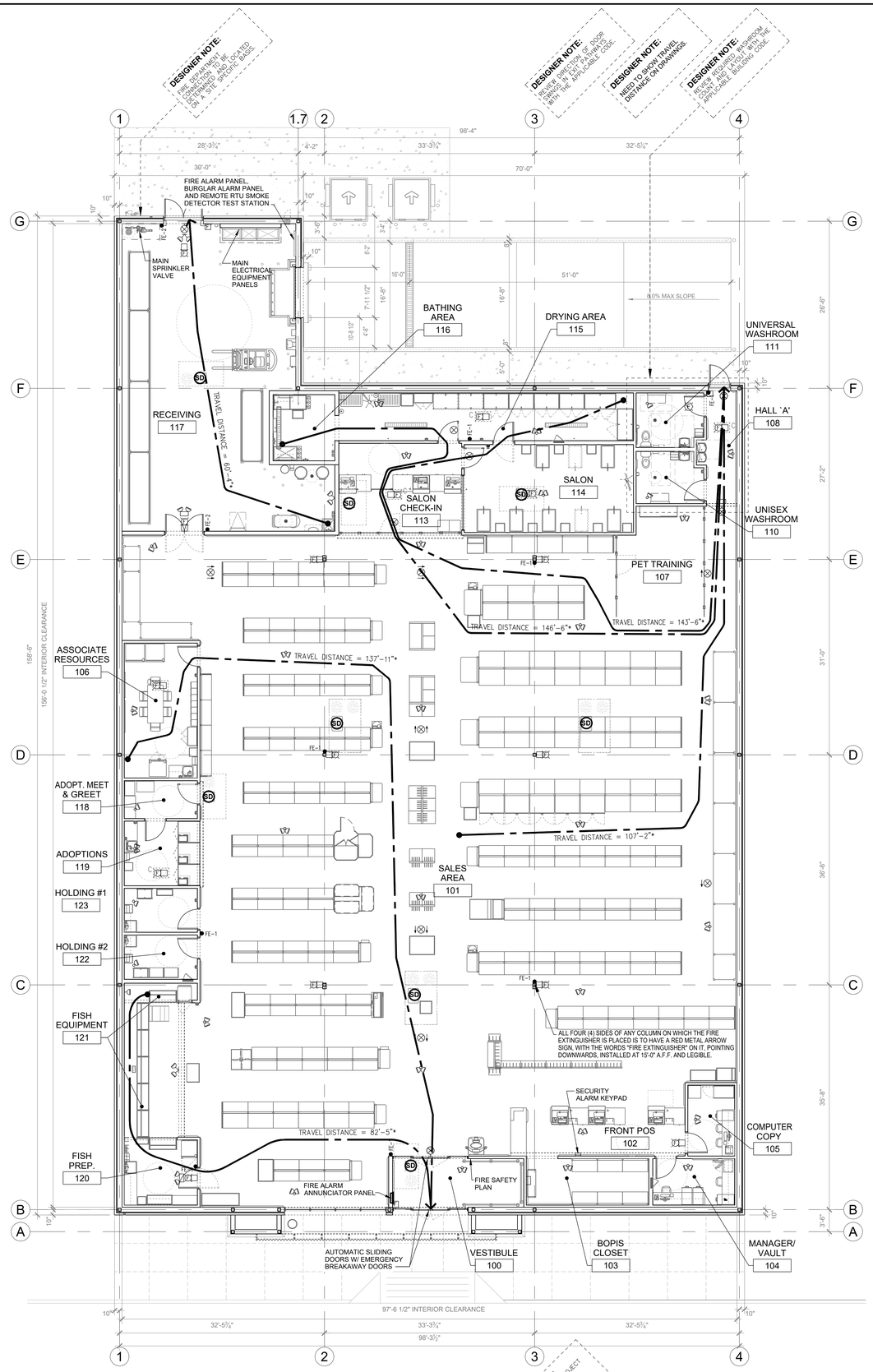


1 A1.0 LIFE SAFETY PLAN
SCALE: 1/8" = 1'-0"

NORTH

DESIGNER NOTE: TRUE NORTH TO BE PROJECT SPECIFIC. THE ARROW SHOWN IS REQUIRED. REFER TO PROJECT DRAWINGS FOR ACTUAL NORTH. SAME THEME TO BE USED TO INDICATE "PROJECT NORTH".

Firm Name:
Certificate of Practice Number:

Name of Project:
PETSMART
Location:

Item	Ontario's 2012 Building Code Data Matrix Parts 3 or 9	OBC Reference (References are to Division B unless noted [A] for Division A or [C] for Division C.)	
1	Project Description: ☐ New ☐ Addition ☐ Change of Use ☒ Alteration ☐ Part 11 (11.1 to 11.4)	☒ Part 3 1.1.2. [A]	☐ Part 9 1.1.2. [A] & 9.10.1.3.
2	Major Occupancy(s) GROUP 'E' – MERCANTILE	3.1.2.1.(1)	9.10.2.
3	Building Area (m^2) Existing 1,303.0 m^2 New _____ Total 1,303.0 m^2 Suite Area (m^2) Existing 1,303.0 m^2 New _____ Total 1,303.0 m^2	1.4.1.2.[A]	1.4.1.2.[A]
4	Suite Gross Area Existing 1,303.0 m^2 New _____ Total 1,303.0 m^2 Area of Work (m^2) Ground 1,243.0 m^2	1.4.1.2.[A]	1.4.1.2.[A]
5	Number of Storeys Above grade 1 Below grade 0	1.4.1.2.[A] & 3.2.1.1.	1.4.1.2.[A] & 9.10.4.
6	Number of Streets/Fire Fighter Access 2	3.2.2.10. & 3.2.5.	9.10.20.
7	Building Classification 3.2.2.62 Group 'E' –UP TO 2 STOREYS, SPRINKLERED	3.2.2.20–.83	9.10.2.
8	Sprinkler System Proposed ☒ entire building ☐ selected compartments ☐ selected floor areas ☐ basement ☐ in lieu of roof rating ☐ not required	3.2.2.20–.83 3.2.1.5. 3.2.2.17. INDEX	9.10.8.2. INDEX
9	Standpipe Required ☐ Yes ☒ No	3.2.9.	N/A
10	Fire Alarm Required ☒ Yes ☐ No	3.2.4.	9.10.18.
11	Water Service/Supply is Adequate ☒ Yes ☐ No	3.2.5.7.	N/A
12	High Building ☐ Yes ☒ No	3.2.6.	N/A
13	Construction Restrictions ☐ Combustible permitted ☐ Non–combustible required ☒ Both Actual Construction ☐ Combustible ☒ Non–combustible ☐ Both	3.2.2.20.–.83	9.10.6.
14	Mezzanine(s) Area m^2 N/A	3.2.1.1.(3)–(8)	9.10.4.1.
15	Occupant load based on ☒ m^2/person ☐ design of building INTERIOR FACE OF EXTERIOR WALLS (NET 1,242.6m^2) Occupancy "E" Load 285 persons BUSINESS (273.0m^2/4.6m^2) 59.3 MERCHANTILE (813.4m^2/3.7m^2) 219.8 STORAGE (25.7m^2/46m^2) 0.6 RECEIVING (130.5m^2/28m^2) 4.7 284.4 TOTAL	3.1.17.	9.9.1.3.
16	Barrier–free Design ☒ Yes ☐ No (Explain)	3.8.	9.5.2.
17	Hazardous Substances ☐ Yes ☒ No	3.3.1.2. & 3.3.1.19.	9.10.1.3.(4)
18	Required Fire Resistance Rating (FRR): Horizontal Assemblies FRR (Hours) — Floors ____ Hours; Roof ____ Hours; Mezzanine ____ Hours; FRR of Supporting Members — Floors ____ Hours; Roof ____ Hours; Mezzanine ____ Hours — Listed Design No. or Description (SG–2)	3.2.2.20.–.83 & 3.2.1.4.	9.10.8. 9.10.9.

19 Spatial Separation – Construction of Exterior Walls (3.2.3 / 9.10.14)

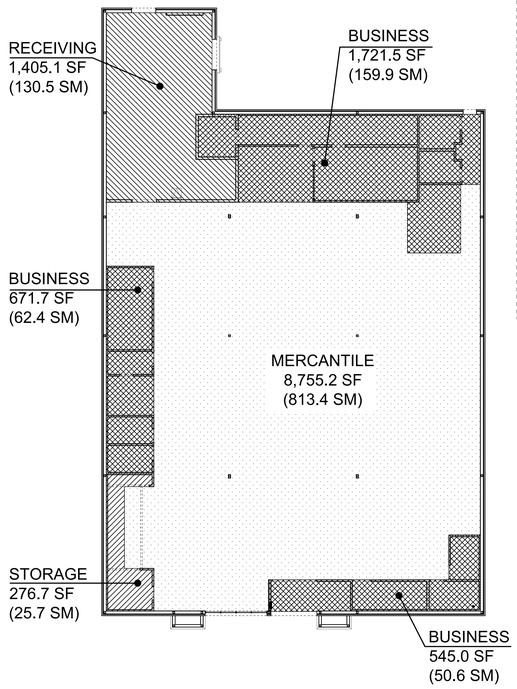
Wall	Area of EBF (m^2)	L.D. (m)	L/H or H/L	Permitted Max. % of Openings	Proposed % of Openings	FRR (Hours)	Listed Design or Description	Comb. Const.	Comb. Constr. Nonc. Cladding	Non–comb. Constr.
North										
South										
East										
West										

(Additional wall areas continued below)

20 Plumbing Fixture Requirements — OBC Reference: ☒ Part 3 ☐ Part 9

Male/Female Count @ 50 %/ 50 % except as noted otherwise

Occupancy	Occupant Load	BC Table Number	Fixtures Required	Fixtures Provided
E – Male	142.5	3.7.4.8	1	1
E – Female	142.5	3.7.4.8	1	1



2 A1.0 FLOOR AREA KEY PLAN
SCALE: 1/16" = 1'-0"

NORTH

GENERAL- LIFE SAFETY NOTES:

1. ALLOWABLE TRAVEL DISTANCE IS 45 m.
2. BUILDING SHALL BE FULLY SPRINKLERED
3. GENERAL CONTRACTOR WILL FURNISH AND INSTALL A MINIMUM OF (1) 10 LB (SHOWN IN RECEIVING NEAR BATTERY CHARGER) AND (9) EACH 5LB MULTIPURPOSE DRY CHEMICAL (2A/ 10BC) RATED FIRE EXTINGUISHERS WITH MOUNTING BRACKETS AND ACCESSORES 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. 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 PETSMART 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, 2013. (Division A, 1.5.3.1)
CLASS IV COMMODITY
SHELF STORAGE, 12'–0" MAX. STORAGE
ORDINARY HAZARD GROUP 2
MINIMUM K–FACTOR = 5.6
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, 2013. (Division A, 1.5.3.1)
CLASS IV COMMODITY (NON–ENCAPSULATED)
SINGLE ROW RACKS, 16'–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

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 WATER MAINS. 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 THE NATIONAL FIRE CODE OF CANADA (NFC) 2005, OWNER AND INSURANCE CARRIER.
4. 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.
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 (F.P.) PROFESSIONAL OF RECORD, TO ALL PROVINCIAL AND LOCAL AUTHORITIES HAVING JURISDICTION, TO THE CITY, THE BUILDING OFFICIALS, THE FIRE DEPARTMENT, THE ENGINEER/ARCHITECT, AND TO THE PETSMART REPRESENTATIVE FOR REVIEW AS SOON AS POSSIBLE AFTER CONTRACT AWARE. THE FIRE SPRINKLER PROFESSIONAL OF RECORD SHALL BE RETAINED AND PAID FOR BY THE FIRE SPRINKLER CONTRACTOR.
8. PROVIDE BACKFLOW PREVENTER AS 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.**
12. **COORDINATE LOCATIONS OF FDC CONNECTIONS, INSPECTOR'S TEST VALVES AND SYSTEM DRAINS WITH FIXTURE PLAN. FINAL LOCATION APPROVAL BY PETSMART CONSTRUCTION MANAGER.**
13. SPRINKLER HEADS TO BE LOCATED IN CENTRE OF CEILING TILE.
14. CONTRACTOR TO INSTALL A HYDRAULIC SYSTEM PLACARD ONTO THE PETSMART FIRE RISER AT THE END OF THE PROJECT.

TRAVEL DISTANCE NOTES:

OCCUPANT LOAD CALCULATION IS BASED ON O.B.C. TABLE 3.1.17.1
– MERCANTILE USE: 39.8 sq.ft/person (3.70 sm/person)

WIDTH OF EXIT DOORS BASED ON O.B.C. 3.4.3.2.(1)(a)
– 1/4"/person (6.1mm/pers)

O.L. (PETSMART UNIT): 303
E.C. (PETSMART UNIT): 4572MM

O.L: CALCULATED OCCUPANT LOAD
E.C: EXIT CAPACITY PROVIDED

* MAX. TRAVEL DISTANCE CALCULATION IS BASED ON O.B.C. 3.4.2.5.(1)(c):
MERCANTILE = 45m (147.6')

2 EXITS REQUIRED

TRAVEL DISTANCE START POINT

TRAVEL DISTANCE DIRECTION

LEGEND:

H	EMERGENCY LIGHT HEADS		WALL MOUNTED FA/HORN/STROBE LIGHT
	EXIT SIGN	C	CEILING MOUNTED FA/HORN/STROBE LIGHT
F.E.	FIRE EXTINGUISHER		FIRE ALARM MANUAL PULL STATION
		SD	DUCT SMOKE DETECTOR

FIRE SAFETY PLAN AND BOX:

1. GENERAL CONTRACTOR TO PROVIDE FIRE SAFETY PLAN, REFER TO REQUIRED VENDORS LIST. CONTACT SUPPLIER AND COORDINATE THE PRODUCTION OF THE FIRE SAFETY PLAN/MANUAL AND THE INSTALLATION OF THE FIRE SAFETY PLAN BOX. THE G.C. IS RESPONSIBLE FOR COMPLETE SUPPLY AND INSTALL OF THE FIRE SAFETY PLAN AND BOX WITH THE VENDOR.
2. FINAL LOCATION TO BE COORDINATED WITH PETSMART CONSTRUCTION MANAGER.
3. GC TO INSTALL ONE (1) FRAMED EXIT PLAN. COORDINATE WITH CONSTRUCTION MANAGER.

OCCUPANT LOAD SQUARE FOOTAGE BREAKDOWN

FLOOR AREA (PER OBC TABLE 3.1.17.1) (INSIDE FACE OF EXTERIOR PERIMETER WALLS)

BUSINESS	2,038.2
MERCANTILE (RETAIL)	8,755.2
STORAGE	276.7
STORAGE (WAREHOUSE)	1,405.1
OCCUPANT LOAD SQUARE FOOTAGE GRAND TOTAL	13,375.2 (1,242.6 SQ.M.)

CLIENT:
PETSMART
19601 North 27th Avenue
Phoenix, Arizona 85027 - (623) 580-6100

CLIENT REF #: 1234

PROJECT:
14K 2025 CANADIAN INSTRUCTION SET

FEBRUARY 12, 2025

CONSULTANT:

ARCHITECT:

SEAL:

DESIGNER NOTE: TO BE PROJECT SPECIFIC BASIS ON A PROJECT SPECIFIC

CITY SEAL:

DISCLAIMER: COPYRIGHT:
THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY PETSMART. 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:

NUMBER	ISSUE	DATE

PROJECT NO: CA0045686.0146
DATE: 02.12.25
ORIGINAL SCALE: AS NOTED
DESIGNED BY:
DRAWN BY:
CHECKED BY:
PAGE #: 6 OF: 53
IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE. 1"

DISCIPLINE: ARCHITECTURAL

TITLE:
LIFE SAFETY PLAN

SHEET NUMBER:
A1.0