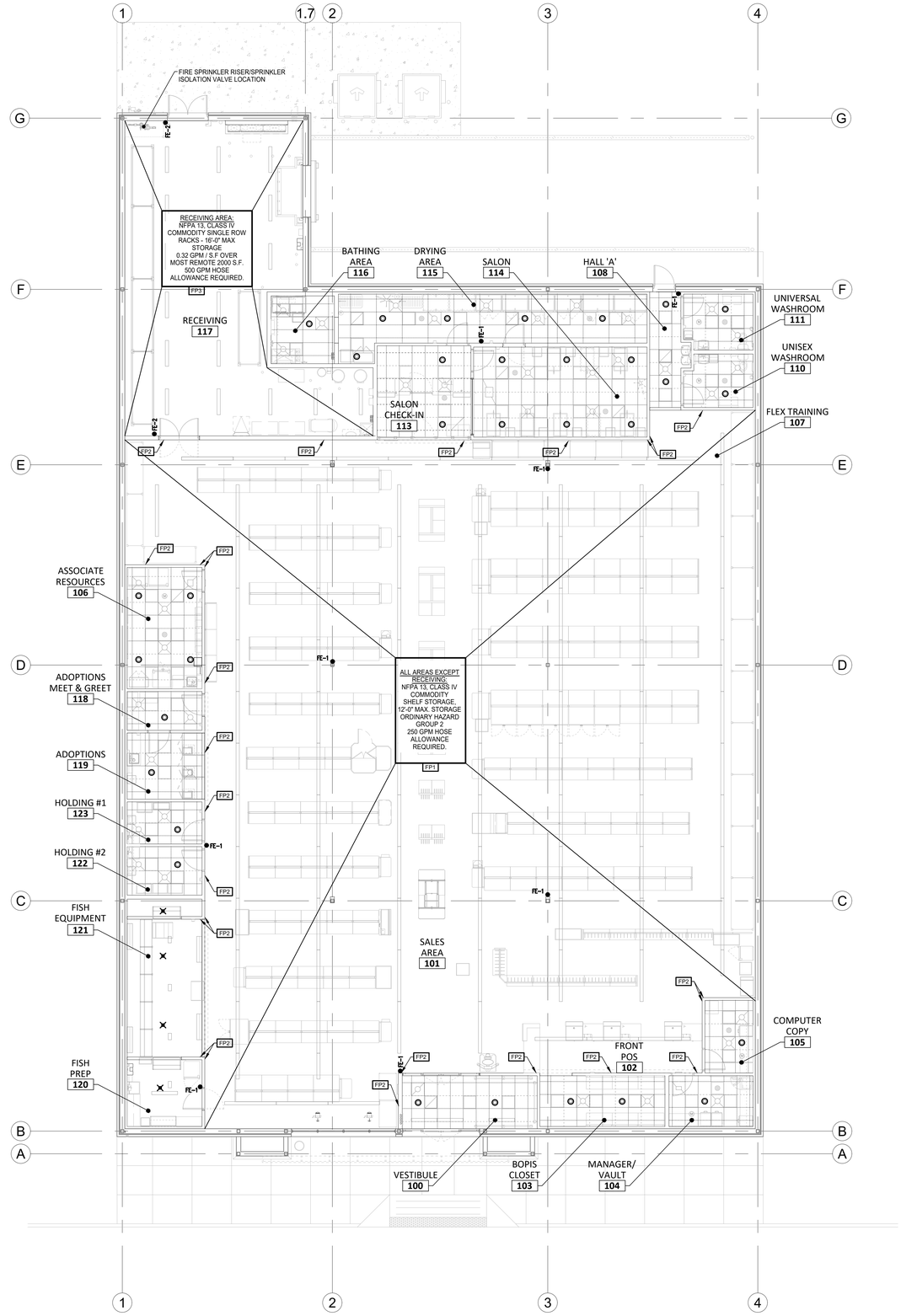

1 FP1.0 FIRE PROTECTION FLOOR PLAN
1/8" = 1'-0"

FIRE PROTECTION LEGEND:

ITEM	DESCRIPTION
F.E.	FIRE EXTINGUISHER
	CONCEALED SPRINKLER COMPLETE WITH WHITE COVER PLATE
	UPRIGHT SPRINKLER HEAD
N.I.C.	NOT IN CONTRACT
	EXISTING PIPING

FIRE EXTINGUISHER SCHEDULE:

TAG	CANNISTER WEIGHT (LBS.)	WALL MOUNT C/W BRACKET	CABINET SUPPLIED	MINIMUM RATING	REMARKS
FE-1	5	YES	–	2A,10BC	C/W STANDARD BRACKET
FE-2	10	YES	–	4A,60BC	C/W STANDARD BRACKET

NOTE:
ALL FIRE EXTINGUISHERS COMPLETE WITH CERTIFICATION TAGS WILL BE SUPPLIED AND INSTALLED BY THIS CONTRACTOR.

FIRE PROTECTION GENERAL NOTES:

A. SPRINKLER SYSTEM INSTALLATION TO NFPA 13 – 2022 EDITION AND LOCAL BUILDING CODE REQUIREMENTS. MECHANICAL CONTRACTOR IS TO PROVIDE SPRINKLER ENGINEERED DRAWINGS AND HYDRAULIC CALCULATIONS. ALL SPRINKLERS ARE NEW SPRINKLERS SHOWN FOR INTENT.

B. CONTRACTOR TO MODIFY EXISTING BUILDING SPRINKLER SYSTEM TO SUIT NEW LAYOUT AS SHOWN. THIS IS TO INCLUDE ALL REQUIRED MATERIAL TO ACCOMMODATE NEW LAYOUT. PROVIDE NEW SPRINKLERS AS REQUIRED TO SUIT NFPA 13 – 2016 EDITION AND LOCAL BUILDING CODE REQUIREMENTS. CONTRACTOR TO REVIEW ENTIRE SITE AND ADVISE ENGINEER OF ANY DISCREPANCIES OF THE COVERAGE SHOWN ON THESE PLANS PRIOR TO CONSTRUCTION.

C. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED SHUTDOWNS AND/OR BYPASSES OF ANY FIRE PROTECTION SYSTEMS WHICH MAY BE AFFECTED BY THIS PROJECT.

D. WHERE DRAINING OF ANY FIRE PROTECTION SYSTEM IS REQUIRED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DRAINING, REFILLING AND ENSURING THAT THERE ARE NO LEAKS ON THE SYSTEM ONCE RETURNED TO NORMAL WORKING PRESSURE.

E. ALL FIRE PROTECTION SYSTEMS MUST BE RETURNED TO THEIR NORMAL OPERATING CONDITION UPON COMPLETION AND AT THE END OF EACH WORK SHIFT.

F. ALL SPRINKLER PIPING TO BE RUN ABOVE BOTTOM CHORD OF JOISTS.

G. SHOP DRAWING SUBMITTALS:

a. SUBMIT SHOP DRAWINGS AND PRODUCT DATA SHEETS FOR ALL COMPONENTS INSTALLED ON THE SPRINKLER SYSTEM. DELETE INFORMATION NOT APPLICABLE TO THE PROJECT FROM THE SHOP DRAWINGS.
b. HYDRAULIC CALCULATION FOR NEW SPRINKLER SYSTEM TO BE PERFORMED PRIOR TO THE COMMENCEMENT OF THE WORK. HYDRAULIC CALCULATION MUST BE REVIEWED AND APPROVED (SEALED) BY A LICENSED PROFESSIONAL ENGINEER IN THE PROVINCE OF ONTARIO.
c. WHERE FULLY RECESSED SPRINKLERS ARE SPECIFIED AND APPROVED, A COLOUR SAMPLE MUST BE SUPPLIED TO OWNER/ARCH. FOR APPROVAL PRIOR TO ORDERING.

H. PRODUCTS:

a. PIPE: FERROUS SCHEDULE 40 OR SCHEDULE 10: THREADED (SCHEDULE 40 ONLY), WELDED, FLANGED OR ROLL GROOVED TO NFPA 13.
b. HANGERS: ULC LISTED FOR FIRE PROTECTION SERVICES
c. SPRINKLERS: ULC LISTED, NFPA 13. SPRINKLER TO BE STANDARD COVERAGE, ORDINARY TEMPERATURE SPRINKLERS UNLESS OTHERWISE REQUIRED BY NFPA 13 OR INDICATED ON DRAWINGS. SPRINKLER TYPE SHALL CONFORM TO LEGEND. PROVIDE SPARE SPRINKLERS AS REQUIRED BY NFPA 13.
d. ALL CONCEALED SPRINKLERS ARE TO BE WHITE.

I. INSTALLATION:

a. INSTALL SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13 – 2016 EDITION AND TO THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.

J. TESTING:

a. TESTING TO BE CONDUCTED AS PER NFPA 13 – 2016 EDITION.
b. SPRINKLER SYSTEM SHALL BE HYDROSTATICALLY TESTED AT NORMAL WORKING PRESSURE FOR A MINIMUM DURATION OF 2 HOURS.
c. TESTING TO BE WITNESSED BY THE AUTHORITY HAVING JURISDICTION. NOTIFY ENGINEER 48 HOURS PRIOR TO TESTING.
d. PROVIDE ENGINEER WITH TESTING CERTIFICATE WITHIN 48 HOURS OF SUCCESSFUL TESTING.

FIRE EXTINGUISHERS

A. FIRE EXTINGUISHERS SHALL BE MULTI-PURPOSE ABC DRY CHEMICAL EXTINGUISHERS, ALLOW FOR (2) EXTRA EXTINGUISHERS NOT SHOWN ON DRAWING; ONE EXTINGUISHER OF EACH TYPE AS SHOWN ON THE DESIGN DRAWING. PROVIDE AND INSTALL SIGNAGE FOR ALL EXTINGUISHERS.

B. FIRE EXTINGUISHERS SHALL BE PROVIDED AND INSTALLED BY THIS CONTRACTOR. VERIFY EXACT LOCATION ON SITE WITH PETSMART PRIOR TO INSTALL.

C. FIRE EXTINGUISHERS TO BE INSTALLED AS PER NFPA 10 – 2016 AND THE 2015 EDITION OF THE ONTARIO FIRE CODE. TOP OF FIRE EXTINGUISHER TO BE A MAXIMUM OF 5'-0" A.F.F.

SPRINKLER DESIGN CRITERIA:

PROVIDE WET PIPE AUTOMATIC SPRINKLER SYSTEM CONFORMING TO THE FOLLOWING CRITERIA:

ALL AREAS EXCEPT RECEIVING:
NFPA 13, CLASS IV COMMODITY
SHELF STORAGE, 12'-0" MAX. STORAGE
ORDINARY HAZARD GROUP 2
250 GPM HOSE ALLOWANCE REQUIRED.

RECEIVING:
NFPA 13, CLASS IV COMMODITY
SINGLE ROW RACKS, 16'-0" MAX. STORAGE
0.32 GPM/FT² OVER A DESIGN AREA OF 2,000 FT²
500 GPM HOSE ALLOWANCE REQUIRED.

THE FIRE PROTECTION CONTRACTOR SHALL PERFORM, AS PART OF THIS CONTRACT, A WATER FLOW TEST AT FIRE HYDRANTS NEAREST FIRE RISER SUPPLY LINE CONNECTION TO CITY WATER MAINS. TEST SHALL BE CONDUCTED BY MUNICIPALITY AND WATER DEPARTMENT REQUIREMENTS. TEST SHALL BE WITNESSED BY ALL AUTHORITIES HAVING JURISDICTION.

REFER TO FIRE SPRINKLER SPECIFICATIONS FOR ADDITIONAL INFORMATION.

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 SPRINKLERS EQUIPPED WITH 'O' RING SEAL ARE PROHIBITED (NO EXCEPTIONS).

FIRE RISER SHALL BE LOCATED AS INDICATED ON DRAWING. PROVIDE VERTICALLY MOUNTED RISER ASSEMBLY UNLESS PROHIBITED BY CODE.

PROVIDE INSPECTOR TEST CONNECTION WHEN REQUIRED.

COORDINATE LOCATIONS OF EXISTING COMPONENTS, INSPECTOR TEST VALVES AND SYSTEM DRAINS WITH FIXTURE PLAN. FINAL LOCATION APPROVAL BY PETSMART CONSTRUCTION MANAGER.

SPRINKLERS TO BE LOCATED IN CENTRE OF CEILING TILE, WHERE POSSIBLE.

FIRE PROTECTION KEY NOTES:

FP1 SPRINKLER SYSTEM IN SPACE IS EXISTING. CONTRACTOR SHALL ALLOW FOR THE RELOCATION OF 35 SPRINKLERS TO ACCOMMODATE THE CONSTRUCTION OF THE NEW WALLS INDICATED BY NOTE FP2. CONTRACTOR IS TO ENSURE THE LAYOUT OF EXISTING SPRINKLERS COMPLIES TO PETSMART REQUIREMENTS OF ORDINARY HAZARD GROUP 2. INFORM ENGINEER IN WRITING IF EXISTING SYSTEM COVERAGE ISSUES ARE IDENTIFIED.

FP2 NEW FULL HEIGHT WALL UP TO DECK.

FP3 SPRINKLER SYSTEM IS EXISTING. MODIFY EXISTING SYSTEM TO ACCOMMODATE STORAGE OCCUPANCY DESIGN CRITERIA DETAILED ON DRAWING AND IN SPECIFICATION FOR THE RECEIVING AREA.

CLIENT:
PETSMART
19601 North 27th Avenue
Phoenix, Arizona 85027 - (623) 580-6100
CLIENT REF #: 1234

PROJECT:
14K 2026 CANADIAN INSTRUCTION SET

AUGUST 05, 2026

CONSULTANT:

ARCHITECT:

SEAL:

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: CA0073426.0987
DATE: 05.08.26
ORIGINAL SCALE: AS NOTED
IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE. 1"
DESIGNED BY:
DRAWN BY:
CHECKED BY:
PAGE #: 45 OF: 54

DISCIPLINE: MECHANICAL

TITLE: FIRE PROTECTION FLOOR PLAN

SHEET NUMBER: **FP1.0**