

STANDPIPE — EBC COMPLIANCE				
ADDITION — NEW CONSTRUCTION STANDARD (EBC Chapter 11)				
Section	Subject	Requirements	Applies?	Compliance
EBC §1104.3	STANDPIPES (PRIOR CODE BUILDING)	STANDPIPES SHALL BE PROVIDED IN THE ADDITION AS REQUIRED BY NYC BC CHAPTER 9. EXISTENCE OF A COMPLETE STANDPIPE SYSTEM IN THE UPPER FLOORS SHALL BE VERIFIED THROUGH FIELD INVESTIGATION.	Y	COMPLIES. STANDPIPES PROVIDED IN ADDITION PER NYC BC CHAPTER 9. EXISTING STANDPIPE CONDITION VERIFIED VIA FIELD INVESTIGATION TO BE ADEQUATE.
EBC §1104.3.1	EXTENSION OF EXISTING STANDPIPE SYSTEM (IF PRESENT)	WHERE EXISTING STANDPIPE PRESENT AND MORE THAN ONE STORY IS BEING ADDED, THE SINGLE-STORY EXCEPTION DOES NOT APPLY. STANDPIPES SHALL BE EXTENDED TO THE 4TH AND 5TH FLOORS IN ALL REQUIRED STAIRWAYS. IF ANY REQUIRED STAIR SHAFT LACKS A STANDPIPE, STANDPIPES SHALL BE PROVIDED IN ALL REQUIRED STAIRWAYS.	Y	COMPLIES. NEW STANDPIPE RISERS RUN THROUGH STAIRS A AND B TO SERVE 4TH AND 5TH FLOORS. SINGLE-STORY EXCEPTION DOES NOT APPLY — TWO STORIES ADDED. STAIR C FROM 3RD FLOOR TO THE ROOF TO BE REPLACED
EBC §1104.3.2	NEW STANDPIPE SYSTEM (IF NO EXISTING)	WHERE NO EXISTING STANDPIPE SYSTEM, NEW STANDPIPES SHALL BE PROVIDED IN ALL REQUIRED STAIRWAYS PER NYC BC CHAPTER 9. THE SINGLE-STORY-ADDITION EXCEPTION (?6 STORIES, ?85 FT) DOES NOT APPLY — TWO STORIES ADDED AND COMPLETED BUILDING REACHES 74 FT.	Y	COMPLIES. NEW STAIRS. NEW STANDPIPES PROVIDED IN ALL REQUIRED STAIRWAYS (STAIRS A AND B) PER NYC BC CHAPTER 9. EXTENDED STAIR C STANDPIPE TO NEW BULKHEAD @ 4TH FL SETBACK
EBC §804.2	WATER SUPPLY TO NEW STANDPIPE	NEW STANDPIPE RISERS SHALL BE SUPPLIED BY THE NEW FIRE PUMP AND TWO SEPARATE WATER SUPPLIES	Y	COMPLIES. NEW STANDPIPE RISERS SUPPLIED BY NEW FIRE PUMP AND DEDICATED SERVICE CONNECTION FROM TWO INDEPENDENT STREETS
EXISTING BUILDING — ALTERATION LEVEL 1 (EBC Chapter 8)				
Section	Subject	Requirements	Applies?	Compliance
EBC §1101.2	CREATION OR EXTENSION OF NONCOMPLIANCE	ALTERATION WORK SHALL NOT CREATE OR EXTEND ANY NONCOMPLIANCE IN THE EXISTING BUILDING STANDPIPE SYSTEM.	Y	COMPLIES. NEW ADDITION STANDPIPE SYSTEM DESIGNED AS INDEPENDENT SYSTEM; STAIR MODIFICATIONS AT EXISTING BUILDING WORK AREA DO NOT IMPAIR ANY EXISTING STANDPIPE SERVICE. NO NEW NONCOMPLIANCE FOR STANDPIPE SYSTEM BEING CREATED
EBC 304.3	PAINTING REQUIREMENTS FOR SPRINKLER SYSTEMS	EVALUATE PAINTING OF EXISTING SYSTEM	Y	COMPLIES. SPRINKLER RISERS AND CROSS CONNECTIONS THAT ARE ALSO USED FOR THE STANDPIPE SYSTEM SHALL BE PAINTED RED AND THE HANDLES OF VALVES SERVING SUCH COMBINATION SYSTEM SHALL BE PAINTED YELLOW
EBC 304.4	FIRE DEPARTMENT CONNECTIONS SIGNAGE	EVALUATE VISIBILITY OF FIRE DEPARTMENT CONNECTION TO APPROACHING FIRE APPARATUS	Y	COMPLIES. SIGNAGE IS PROVIDED.

FOR EBC TRAINING PURPOSES ONLY

ENERGY SUBMISSION AND SPECIAL INSPECTIONS ARE REQUIRED BUT NOT SHOWN FOR EBC TRAINING PURPOSES.

OWNER:



ARCHITECT:

MEP ENGINEER:

STRUCTURAL ENGINEER:

PROJECT:

EBC CASE STUDY 02

DEPARTMENT STORE

DOB NOW JOB NUMBER:

DOB APPROVAL STAMP:

- 2026.08.14SUBMIT FOR DOB REVIEW
- 2026.07.21SUBMIT FOR DOB REVIEW
- 2026.06.16SUBMIT FOR DOB REVIEW
- 2026.06.02SUBMIT FOR DOB REVIEW
- 2026.05.26SUBMIT FOR DOB REVIEW

DRAWING TITLE:

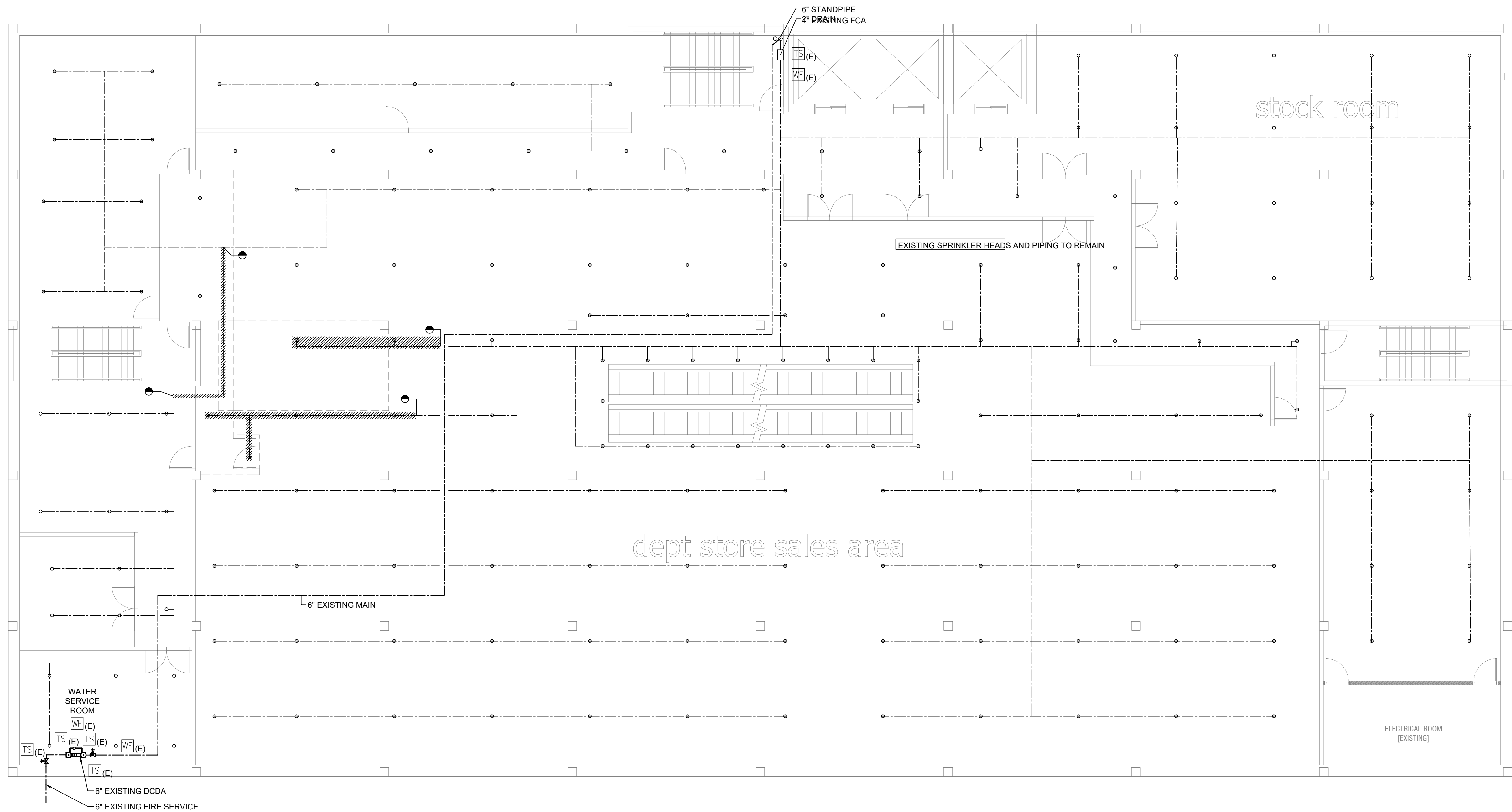
STANDPIPE
CODE ANALYSIS

PROJECT #:

DRAWN BY:

SHEET TITLE:

SD-003.00



1 CELLAR - DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

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2026.05.26 SUBMIT FOR DOB REVIEW

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**STANDPIPE
CELLAR DEMOLITION PLAN**

PROJECT #:

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EBC CASE STUDY 02

DEPARTMENT STORE

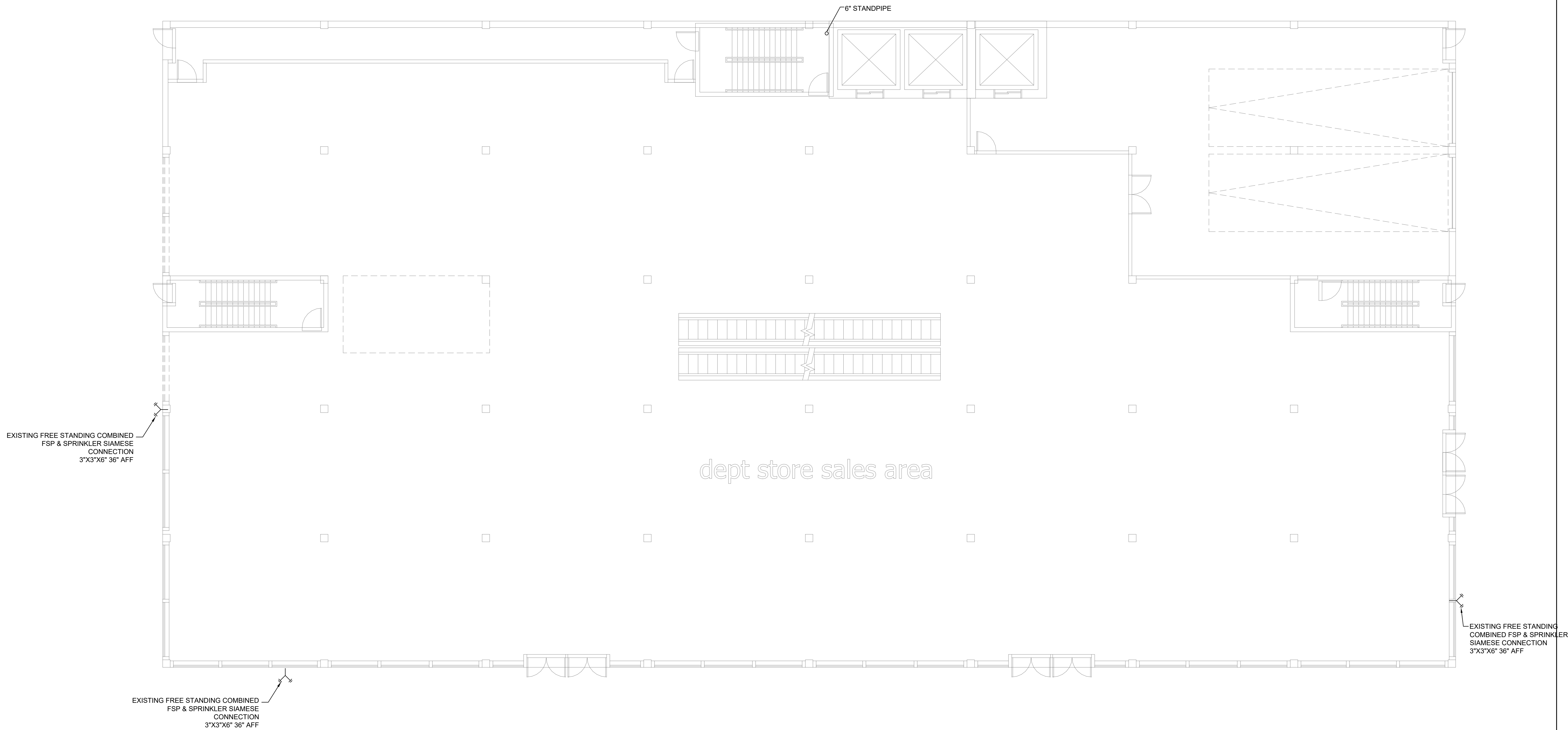
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2026.06.02	SUBMIT FOR DOB REVIEW
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STANDPIPE

GROUND FLOOR

DEMOLITION PLAN

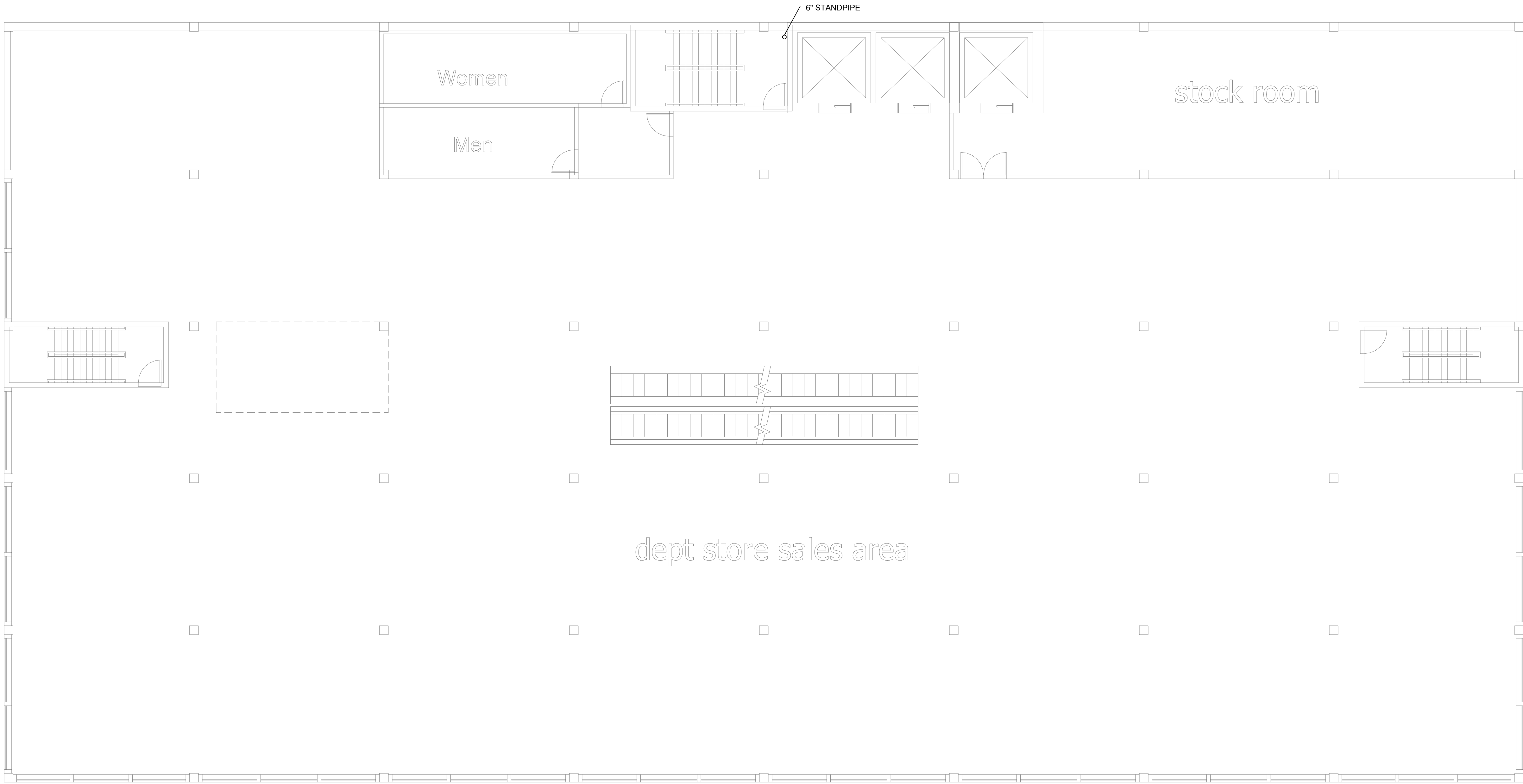
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1 GROUND FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

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1 2ND&3RD FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

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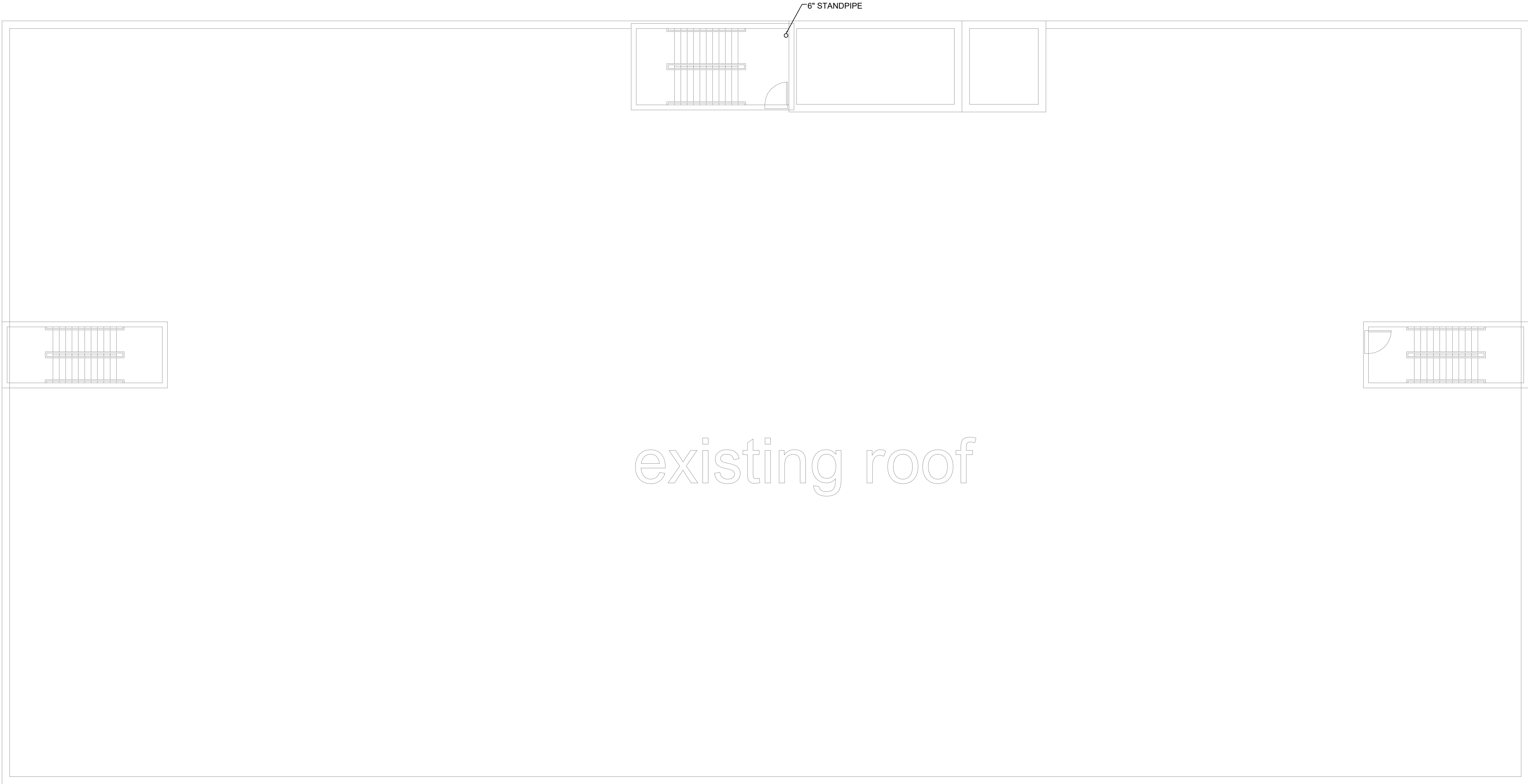
STANDPIPE
2ND & 3RD FLOOR
DEMOLITION PLAN

PROJECT #:

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SHEET TITLE :

SD-102.00



1 ROOF DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

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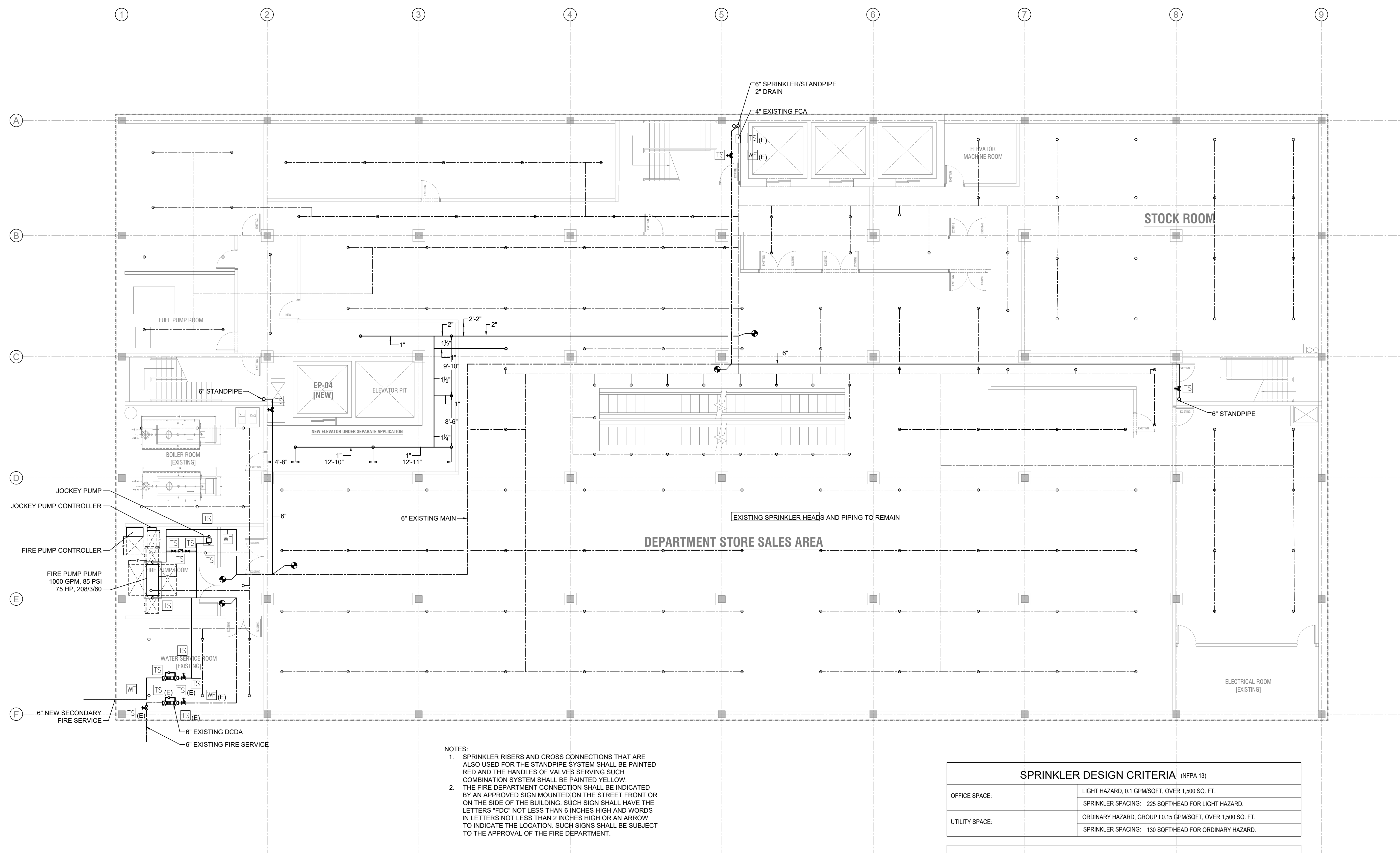
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EBC CASE STUDY 02

DEPARTMENT STORE

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STANDPIPE
CELLAR PLAN



NOTES:-

1. SPRINKLER RISERS AND CROSS CONNECTIONS THAT ARE ALSO USED FOR THE STANDPIPE SYSTEM SHALL BE PAINTED RED AND THE HANDLES OF VALVES SERVING SUCH COMBINATION SYSTEM SHALL BE PAINTED YELLOW.
2. THE FIRE DEPARTMENT CONNECTION SHALL BE INDICATED BY AN APPROVED SIGN MOUNTED ON THE STREET FRONT OR ON THE SIDE OF THE BUILDING. SUCH SIGN SHALL HAVE THE LETTERS "FDC" NOT LESS THAN 6 INCHES HIGH AND WORDS IN LETTERS NOT LESS THAN 2 INCHES HIGH OR AN ARROW TO INDICATE THE LOCATION. SUCH SIGNS SHALL BE SUBJECT TO THE APPROVAL OF THE FIRE DEPARTMENT.

SPRINKLER DESIGN CRITERIA (NFPA 13)

OFFICE SPACE:	LIGHT HAZARD, 0.1 GPM/SQ.FT. OVER 1,500 SQ. FT. SPRINKLER SPACING: 225 SQ.FT./HEAD FOR LIGHT HAZARD.
UTILITY SPACE:	ORDINARY HAZARD, GROUP I 0.15 GPM/SQ.FT. OVER 1,500 SQ. FT. SPRINKLER SPACING: 130 SQ.FT./HEAD FOR ORDINARY HAZARD.

STANDPIPE DESIGN CRITERIA

CLASS I AUTOMATIC WET STANDPIPE

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EBC CASE STUDY 02

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2026.06.02

DRAWING TIP

STAND

PROJECT #:

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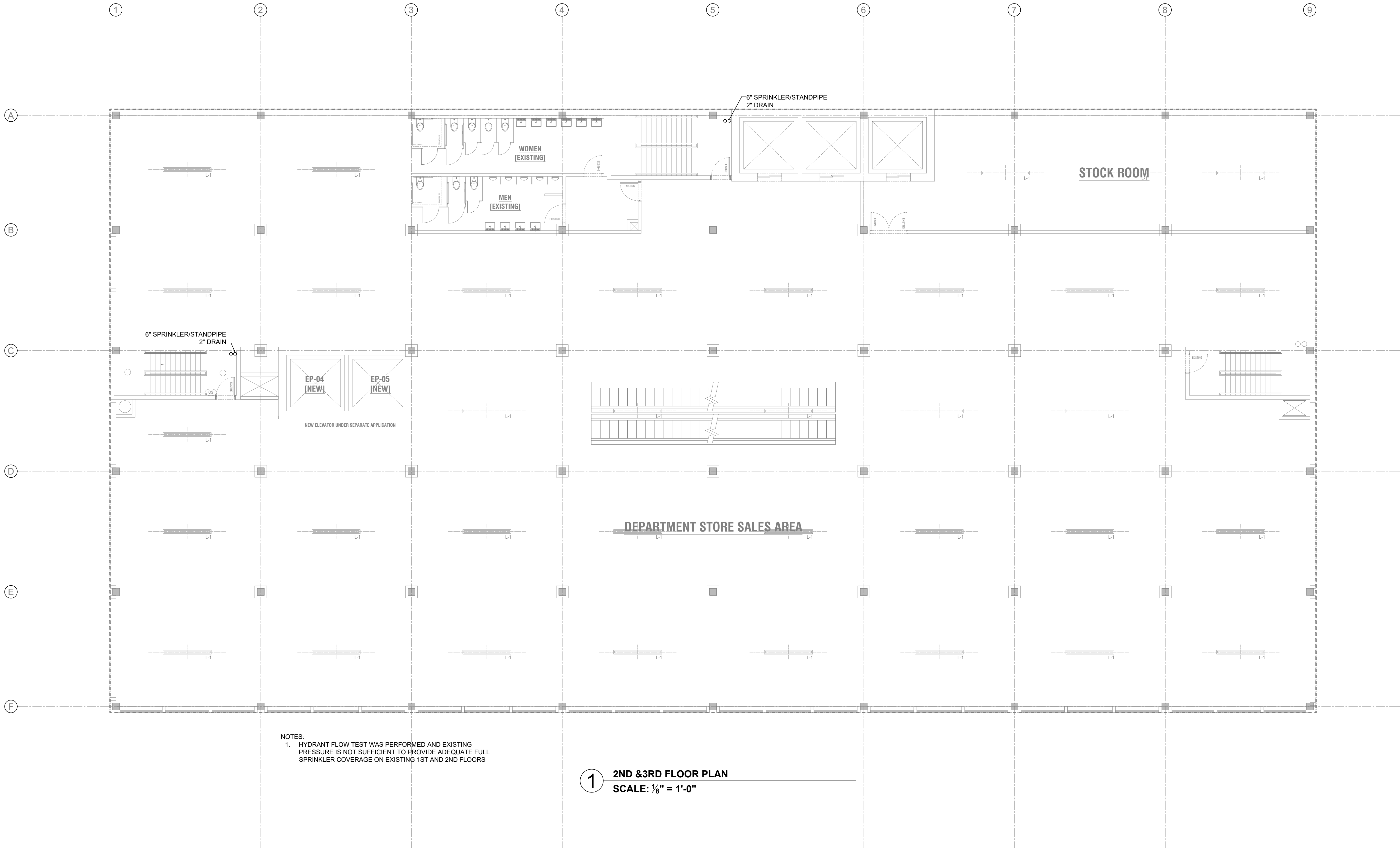


SPRINKLER SPACING: 130 SQFT/HEAD FOR ORDINARY HAZARD.

CLASS I AUTOMATIC WET STANDPIPE

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NOTES:
1. HYDRANT FLOW TEST WAS PERFORMED AND EXISTING PRESSURE IS NOT SUFFICIENT TO PROVIDE ADEQUATE FULL SPRINKLER COVERAGE ON EXISTING 1ST AND 2ND FLOORS

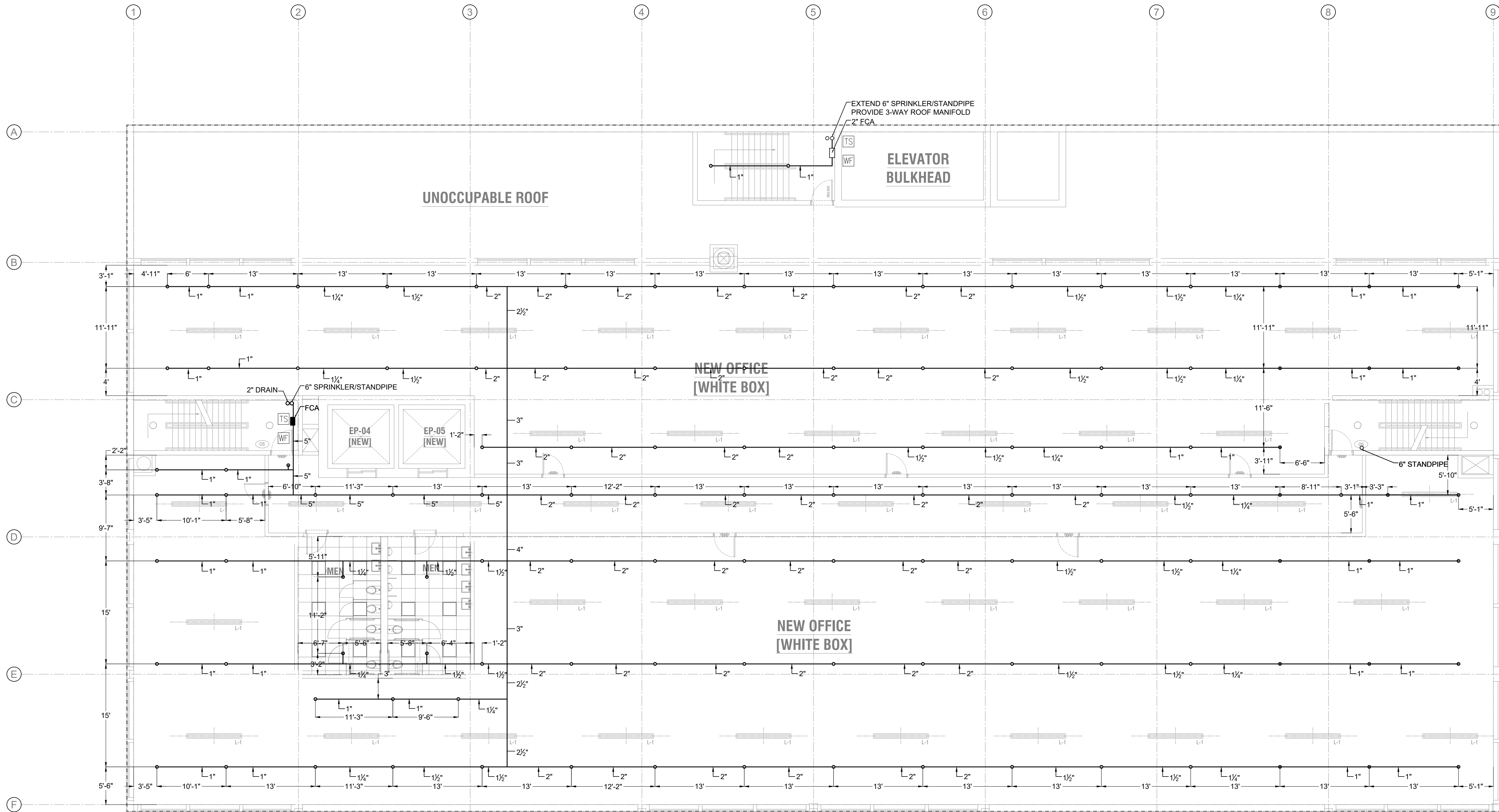
1 2ND & 3RD FLOOR PLAN
SCALE: 1/8" = 1'-0"

EBC CASE STUDY 02
DEPARTMENT STORE

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STANDPIPE
4TH FLOOR PLAN

SD-203.00



1 4TH FLOOR PLAN
SCALE: 1/8" = 1'-0"

SPRINKLER DESIGN CRITERIA (NFPA 13) (HYDRAULICALLY CALCULATED)

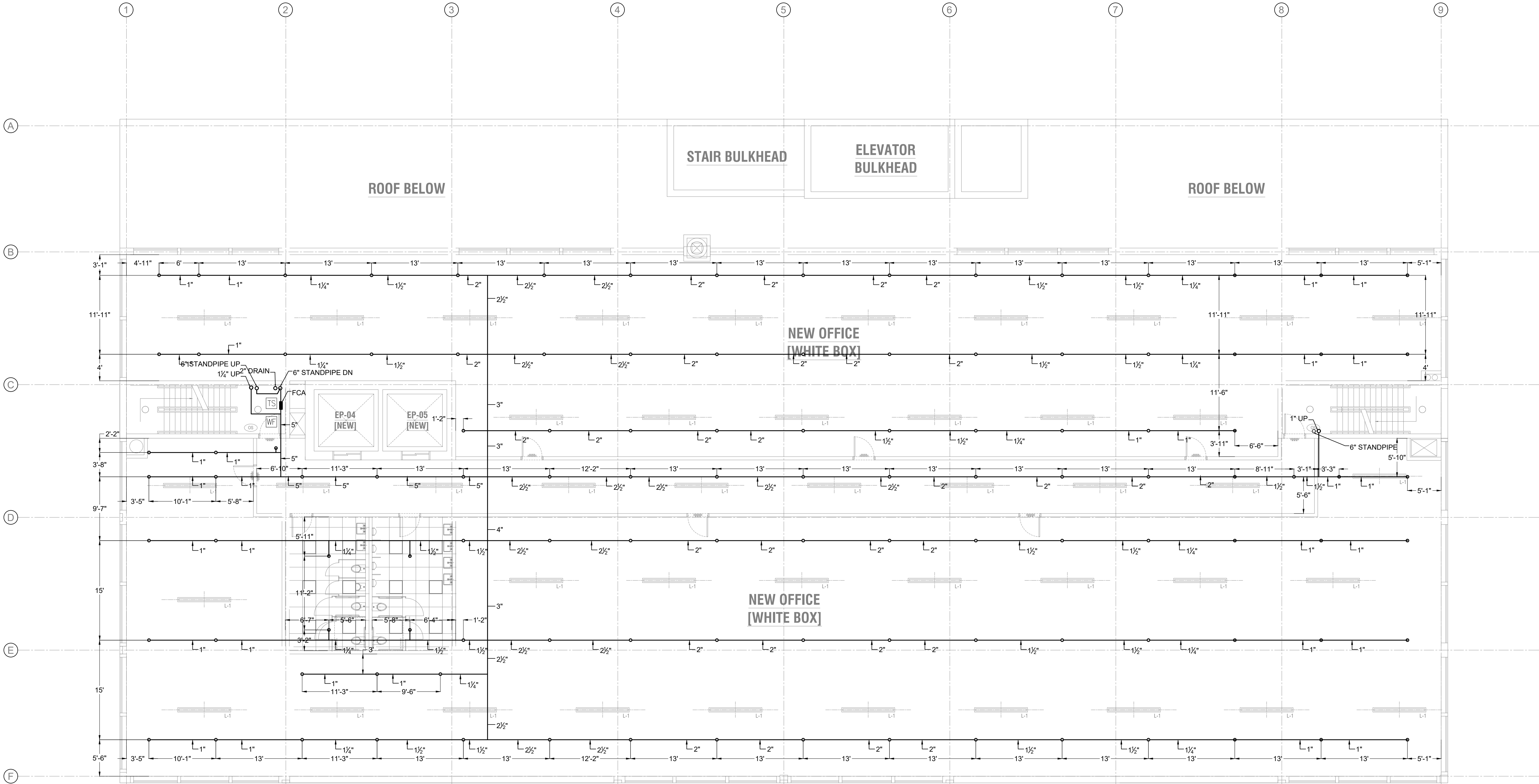
OFFICE SPACE:	LIGHT HAZARD, 0.1 GPM/SQFT, OVER 1,500 SQ. FT.
	SPRINKLER SPACING: 225 SQFT/HEAD FOR LIGHT HAZARD.
UTILITY SPACE:	ORDINARY HAZARD, GROUP I 0.15 GPM/SQFT, OVER 1,500 SQ. FT.
	SPRINKLER SPACING: 130 SQFT/HEAD FOR ORDINARY HAZARD.

STANDPIPE DESIGN CRITERIA (HYDRAULICALLY CALCULATED)

CLASS I AUTOMATIC WET STANDPIPE

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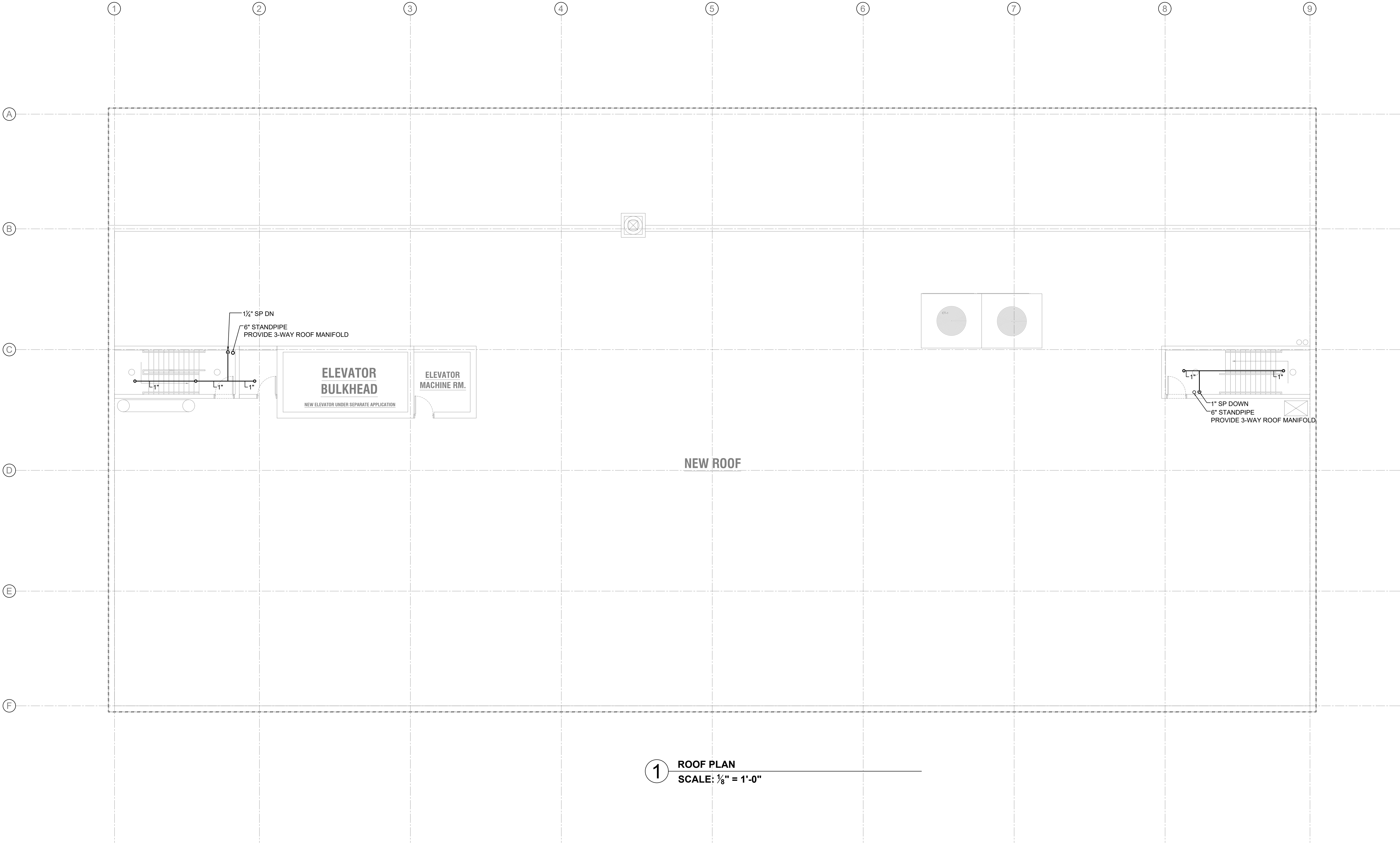
1 5TH FLOOR PLAN
SCALE: 1/8" = 1'-0"

SPRINKLER DESIGN CRITERIA (NFPA 13) (HYDRAULICALLY CALCULATED)	
OFFICE SPACE:	LIGHT HAZARD, 0.1 GPM/SQFT, OVER 1,500 SQ. FT. SPRINKLER SPACING: 225 SQFT/HEAD FOR LIGHT HAZARD.
UTILITY SPACE:	ORDINARY HAZARD, GROUP I 0.15 GPM/SQFT, OVER 1,500 SQ. FT. SPRINKLER SPACING: 130 SQFT/HEAD FOR ORDINARY HAZARD.

STANDPIPE DESIGN CRITERIA (HYDRAULICALLY CALCULATED)	
CLASS I AUTOMATIC WET STANDPIPE	

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