

PLUMBING — EBC COMPLIANCE				
ADDITION — NEW CONSTRUCTION STANDARD (EBC Chapter 11)				
Section	Subject	Requirements	Applies?	Compliance
EBC §1108.2 / §310	COMPLIANCE OF NEW PLUMBING SYSTEMS	ALL NEW PLUMBING SYSTEMS AND ADDITIONS TO EXISTING PLUMBING SYSTEMS SHALL COMPLY WITH THE NYC PLUMBING CODE AS NEW CONSTRUCTION.	Y	COMPLIES. NEW PLUMBING FOR BATHROOMS (WATER CLOSETS, LAVATORIES) AND DRINKING FOUNTAINS AT 4TH AND 5TH FLOORS OF ADDITION DESIGNED PER NYC PLUMBING CODE AS NEW CONSTRUCTION.
EBC §310.7 / NYC PC Ch. 7	SANITARY DRAINAGE	NEW SANITARY DRAINAGE CONNECTING TO THE EXISTING BUILDING SYSTEM SHALL COMPLY WITH NYC PLUMBING CODE CHAPTER 7 AND DEP REQUIREMENTS.	Y	COMPLIES. NEW SANITARY DRAINAGE FOR ADDITION CONNECTED TO NEW OR EXISTING BUILDING RISERS PER NYC PC CHAPTER 7 AND DEP.
EBC §310.8	STORM DRAINAGE / STORMWATER COMPLIANCE TRIGGER	STORMWATER COMPLIANCE TRIGGER (DEP DETENTION) APPLIES WHERE IMPERVIOUS AREA ON THE TAX LOT IS INCREASED.	N	DOES NOT APPLY. ADDITION IS CONSTRUCTED ENTIRELY OVER THE EXISTING BUILDING FOOTPRINT; TOTAL IMPERVIOUS AREA ON THE TAX LOT IS NOT INCREASED. §310.8 STORMWATER COMPLIANCE TRIGGER AND DEP STORMWATER DETENTION DO NOT APPLY.
EBC §310.9	SECONDARY (EMERGENCY) ROOF DRAINS	SECONDARY OVERFLOW DRAINS ARE REQUIRED ON THE ADDITION ROOF AND SHALL NOT BE REMOVED OR REDUCED IN CAPACITY. EXISTING BUILDING'S SECONDARY ROOF DRAINS SHALL NOT BE REMOVED OR REDUCED AS PART OF THE 4TH FLOOR PLATFORM CONSTRUCTION.	Y	COMPLIES. NEW PRIMARY AND SECONDARY (EMERGENCY OVERFLOW) ROOF DRAINS PROVIDED FOR ADDITION ROOF, 4TH FLOOR TERRACES, AND BULKHEAD ROOFS. EXISTING BUILDING SECONDARY ROOF DRAINS MAINTAINED.
Project Scope	DOMESTIC WATER SERVICE CAPACITY	EVALUATE EXISTING DOMESTIC WATER SERVICE CAPACITY TO SERVE BOTH THE EXISTING DEPARTMENT STORE AND NEW ADDITION FLOORS; UPSIZE SERVICE IF REQUIRED.	Y	COMPLIES. EXISTING DOMESTIC WATER SERVICE CAPACITY WAS EVALUATED AND FOUND TO BE ADEQUATE.
EXISTING BUILDING — ALTERATION LEVEL 1 (EBC Chapter 8)				
Section	Subject	Requirements	Applies?	Compliance
EBC §310.1	PLUMBING ALTERATIONS WITHIN WORK AREA	PLUMBING ALTERATIONS WITHIN THE WORK AREA SHALL MEET NEW CONSTRUCTION REQUIREMENTS; THE ENTIRE EXISTING SYSTEM IS NOT REQUIRED TO BE UPGRADED.	Y	COMPLIES. PLUMBING MODIFIED WITHIN LEVEL 1 WORK AREA TO ACCOMMODATE NEW 1ST FLOOR LOBBY, ELEVATOR PITs, AND STAIR MODIFICATIONS — DESIGNED TO NEW CONSTRUCTION STANDARD.
EBC §310.2	OCCUPANT LOAD INCREASE / FIXTURE COUNT	WHERE OCCUPANT LOAD INCREASE EXCEEDS 10% FOR THE EXISTING BUILDING WORK AREA, ADDITIONAL PLUMBING FIXTURES MAY BE REQUIRED.	N	DOES NOT APPLY. NO INCREASE IN OCCUPANT LOAD.
EBC §310.3	EXISTING PIPING USED FOR GROUNDING	EXISTING METALLIC WATER SERVICE PIPING USED FOR ELECTRICAL GROUNDING SHALL NOT BE REPLACED WITH NONMETALLIC PIPE UNTIL ALTERNATE APPROVED GROUNDING IS PROVIDED.	Y	COMPLIES. ANY REPLACEMENT OF EXISTING METALLIC WATER SERVICE PIPING USED FOR GROUNDING WILL BE COORDINATED WITH EC TO PROVIDE ALTERNATE APPROVED GROUNDING PRIOR TO REPLACEMENT.
EBC §310.4	REHABILITATION OF PIPING	CURED-IN-PLACE PIPE (CIPP) AND EPOXY SPRAY PIPE LINING SYSTEMS ARE PROHIBITED.	Y	COMPLIES. NO REHAB OF EXISTING PIPING. NEW PIPING DO NOT USE CURED-IN-PLACE PIPE AND EPOXY SPRAY PIPE LINING.

GENERAL NOTES	
A.	PLUMBING DRAWINGS INCLUDE PLANS, RISER DIAGRAMS, FIXTURE SCHEDULES, AND PLUMBING CALCULATIONS DEMONSTRATING COMPLIANCE WITH THE NYC PLUMBING CODE.
B.	ALTERED PLUMBING SYSTEMS SHALL NOT CREATE UNSAFE CONDITIONS AND SHALL COMPLY WITH APPLICABLE PROVISIONS OF THE NYC PLUMBING CODE.
C.	ALL EQUIPMENT AND MATERIALS ARE NEW UNLESS SPECIFICALLY INDICATED AS "EXISTING".
D.	ALL PLUMBING WORK SHALL BE DONE IN A NEAT, WORKMANLIKE MANNER AND SHALL CONFORM TO ALL LATEST STATE, LOCAL AND NATIONAL CODES WHICH APPLY TO WORK SHOWN. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS, FEES, ETC., WHICH PERTAIN TO PLUMBING.
E.	COORDINATE ALL PLUMBING WORK WITH MECHANICAL, ELECTRICAL, STRUCTURAL AND ARCHITECTURAL DRAWINGS. IF ANY CONFLICTS EXIST BETWEEN THE ABOVE ITEMS AND THE WORK SHOWN, ENGINEER AND ARCHITECT SHALL BE NOTIFIED BEFORE WORK CONTINUES.
F.	ALL CUTTING AND PATCHING REQUIRED FOR PLUMBING WORK IN THE BUILDING STRUCTURE SHALL BE DONE BY PLUMBING TRADE.
G.	GUARANTEE: PLUMBING CONTRACTOR SHALL GUARANTEE ALL EQUIPMENT AND PIPING TO BE FREE FROM ANY DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY THE OWNER. ALL DEFECTS SHALL BE REPAIRED DURING THIS PERIOD AT NO ADDITIONAL COST TO THE OWNER.
H.	WORKMANSHIP: ONLY THE BEST OF WORKMANSHIP IN ACCORDANCE WITH PRESENT STANDARDS WILL BE ACCEPTABLE. ANY WORK INSTALLED AND ADJUDGED BY THE ENGINEER TO BE BELOW STANDARDS SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
I.	THESE DRAWINGS ARE DIAGRAMS ONLY. EXACT LOCATIONS OF ALL PIPING, EQUIPMENT, FIXTURES, ETC., MUST BE FIELD VERIFIED AND SHALL BE INSTALLED TO AVOID OBSTRUCTIONS.
J.	CLEANOUTS SHALL BE INSTALLED AS SHOWN AND AS REQUIRED BY LOCAL CODE, AND AT THE FOOT OF EACH SOIL OR WASTE LINE, AND AT CHANGE OF PIPE DIRECTION. CLEANOUT SHALL BE FULL SIZE AS PIPE.
K.	ALL FIXTURES SHALL BE NEW AND OF FIRST QUALITY, FREE OF CRACKS, BLEMISHES, OR OTHER IMPERFECTIONS. SEE FIXTURE SCHEDULE FOR MAKE AND TYPE TO BE INSTALLED.
L.	THE CONTRACTOR SHALL FURNISH AND INSTALL A PLUMBING SYSTEM COMPLETE WITH ALL EQUIPMENT, PIPING, INSULATION, CONTROLS, ACCESSORIES AND ASSOCIATED WORK IN ACCORDANCE WITH THE NEW YORK CITY BUILDING CODES AND WITH ALL AUTHORITIES HAVING JURISDICTION, AND THESE SPECIFICATIONS. THE WORK SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, HOISTING AND RIGGING, SCAFFOLDING, AND SERVICES TO COMPLETE THE SYSTEM AND PROVIDE THE OWNER WITH A FULLY OPERATIONAL SYSTEM.
M.	CUTTING AND DRILLING: 1. PROVIDE SLEEVES FOR ALL PIPES PENETRATING THROUGH: WALLS, CEILINGS, FLOORS, ROOFS, AND FOUNDATIONS. SLEEVES ARE NOT REQUIRED FOR CORE DRILLED HOLES. 2. PROPERLY CLOSE, FIRESTOP, AND PATCH HOLES AND OPENINGS IN: FLOORS, WALLS, ROOFS AND CEILING SURFACES RESULTING FROM THE WORK. MATCH ADJACENT UNDISTURBED SURFACES.
N.	PENETRATIONS: PROVIDE SLEEVES FOR PIPES PASSING THROUGH: CONCRETE AND MASONRY WALLS, GYPSUM-BOARD PARTITIONS, CONCRETE FLOORS AND ROOF SLABS, FOUNDATIONS AND WHERE INDICATED. CUT SLEEVES TO LENGTH FOR MOUNTING FLUSH WITH BOTH SURFACES EXCEPT AS FOLLOWS: EXTEND SLEEVES INSTALLED IN FLOORS OF MECHANICAL EQUIPMENT AREAS OR OTHER WET AREAS 2 INCHES ABOVE FINISHED FLOOR LEVEL. EXTEND CAST-IRON SLEEVE FITTINGS BELOW FLOOR SLAB AS REQUIRED TO SECURE CLAMPING RING WHERE SPECIFIED. BUILD SLEEVES INTO NEW AND EXISTING SURFACES AS THE WORK PROGRESSES. INSTALL LARGE ENOUGH SLEEVES TO PROVIDE 1/4-INCH ANNULAR CLEAR SPACE BETWEEN SLEEVE AND PIPE, CONDUIT, OR PIPE INSULATION. USE THE FOLLOWING SLEEVE MATERIALS: - STEEL PIPE SLEEVES: FOR PIPES AND TUBING SMALLER THAN 6 INCHES. - STEEL SHEET-METAL SLEEVES: FOR PIPES AND TUBING 6 INCHES AND LARGER THAT PENETRATE GYPSUM-BOARD PARTITIONS. - CAST-IRON SLEEVE FITTINGS: FOR FLOORS HAVING MEMBRANE WATERPROOFING. SECURE FLASHING BETWEEN CLAMPING FLANGES. INSTALL SECTION OF CAST-IRON SOIL PIPE TO EXTEND SLEEVE TO 2 INCHES ABOVE FINISHED FLOOR LEVEL. SEAL SPACE OUTSIDE OF SLEEVE FITTINGS WITH NONSHRINK, NONMETALLIC GROUT. - SEAL ANNULAR SPACE BETWEEN SLEEVE AND PIPES, OR PIPE INSULATION, USING ELASTOMERIC JOINT SEALANTS. - BELOW GRADE, EXTERIOR WALL, PIPE PENETRATIONS: INSTALL CAST-IRON WALL PIPES FOR SLEEVES. SEAL PIPE PENETRATIONS USING MECHANICAL SLEEVE SEALS. SIZE SLEEVE FOR 1-INCH ANNULAR CLEAR SPACE BETWEEN PIPE AND SLEEVE FOR INSTALLATION OF MECHANICAL SEALS. - FIRE BARRIER PENETRATIONS: MAINTAIN INDICATED FIRE RATING OF NEW AND EXISTING WALLS, PARTITIONS, CEILINGS, ROOFS AND FLOORS AT ALL PIPE AND

GENERAL NOTES	
	CONDUIT PENETRATIONS. SEAL ALL PENETRATIONS WITH FIRESTOPPING SEALANT MATERIAL.
M.	THE CONTRACTOR SHALL PERFORM ALL INSPECTIONS IN ACCORDANCE WITH GOVERNING AUTHORITIES. SECURE ALL REQUIRED PERMITS AND APPROVALS AND TRANSMIT SAME TO THE OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES.
N.	FURNISH ACCESS DOORS, TO BE INSTALLED BY GENERAL CONSTRUCTION TRADE WHICH WILL BE REQUIRED FOR PROPER OPERATION AND MAINTENANCE OF ALL CONCEALED PLUMBING EQUIPMENT, TRAPS, AIR VENTS, VALVES AND OTHER SIMILAR DEVICES. PREPARE A LIST AND SUBMIT TO THE GENERAL CONTRACTOR FOR HIS INSTALLATION. COORDINATE LOCATIONS WITH THE ARCHITECT.
P.	PLAN INSTALLATION OF NEW WORK AND CONNECTIONS TO EXISTING WORK SO AS TO INSURE MINIMUM INTERFERENCE WITH REGULAR OPERATION OF EXISTING FACILITIES. ALL SYSTEM SHUTDOWNS AFFECTING OTHER AREAS SHALL BE COORDINATED WITH BUILDING OWNER. PROVIDE TEMPORARY PIPE CAPS AND/OR CONNECTIONS TO MINIMIZE SHUTDOWN TIME.
R.	CONNECT NEW WORK TO EXISTING WORK IN NEAT AND APPROVED MANNER. RESTORE EXISTING WORK DISTURBED WHILE INSTALLING NEW WORK TO ACCEPTABLE CONDITION AS DETERMINED BY ENGINEER.
S.	DISCONNECT, REMOVE AND/OR RELOCATE EXISTING MATERIAL, EQUIPMENT AND OTHER WORK AS NOTED OR REQUIRED FOR PROPER INSTALLATION OF NEW SYSTEM.
T.	THE CONTRACTOR SHALL KEEP ALL EQUIPMENT AND MATERIALS, AND ALL PARTS OF THE BUILDING, EXTERIOR SPACE AND ADJACENT STREETS, SIDEWALKS AND PAVEMENTS, FREE FROM MATERIAL AND DEBRIS RESULTING FROM THE EXECUTION OF THIS WORK. EXCESS MATERIALS WILL NOT BE PERMITTED TO ACCUMULATE EITHER IN THE INTERIOR OR THE EXTERIOR.
V.	THE FINAL ACCEPTANCE WILL BE MADE AFTER THE CONTRACTOR HAS ADJUSTED HIS EQUIPMENT, BALANCED THE VARIOUS SYSTEMS, DEMONSTRATED THAT IF FULFILLS THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS AND HAS FURNISHED ALL THE REQUIRED CERTIFICATES OF INSPECTION AND APPROVAL AS REQUIRED BY THE STATE AND LOCAL BUILDING AUTHORITY AND/OR CONTROLLED INSPECTIONS (IF ANY).
X.	SUBMITTAL OF A PROPOSAL SHALL BE CONSIDERED AS EVIDENCE THAT A CAREFUL EXAMINATION OF THE PORTIONS OF THE EXISTING BUILDING, EQUIPMENT, ETC., WHICH AFFECT THIS WORK, AND THE ACCESS TO SUCH SPACES, HAS BEEN MADE AND THAT THE CONTRACTOR IS FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT THE EXECUTION OF THE WORK. LATER CLAIMS SHALL NOT BE MADE FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN DURING SUCH AN EXAMINATION. THE ON-SITE INSPECTION SHALL VERIFY EXISTING PIPING, DUCTWORK (SIZES, CLEARANCES,ETC.) AND OTHER EXISTING CONDITIONS.
Y.	DISINFECT DOMESTIC WATER PIPING AS REQUIRED BY BUILDING CODE.

MEP ENGINEER:

STRUCTURAL ENGINEER:

PROJECT:

EBC CASE STUDY 02

DEPARTMENT STORE

DOB NOW JOB NUMBER:

DOB APPROVAL STAMP:

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

DRAWING TITLE:

PLUMBING
CODE ANALYSIS

PROJECT #:

DRAWN BY:

SHEET TITLE:

P-003.00

FOR EBC TRAINING PURPOSES ONLY

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

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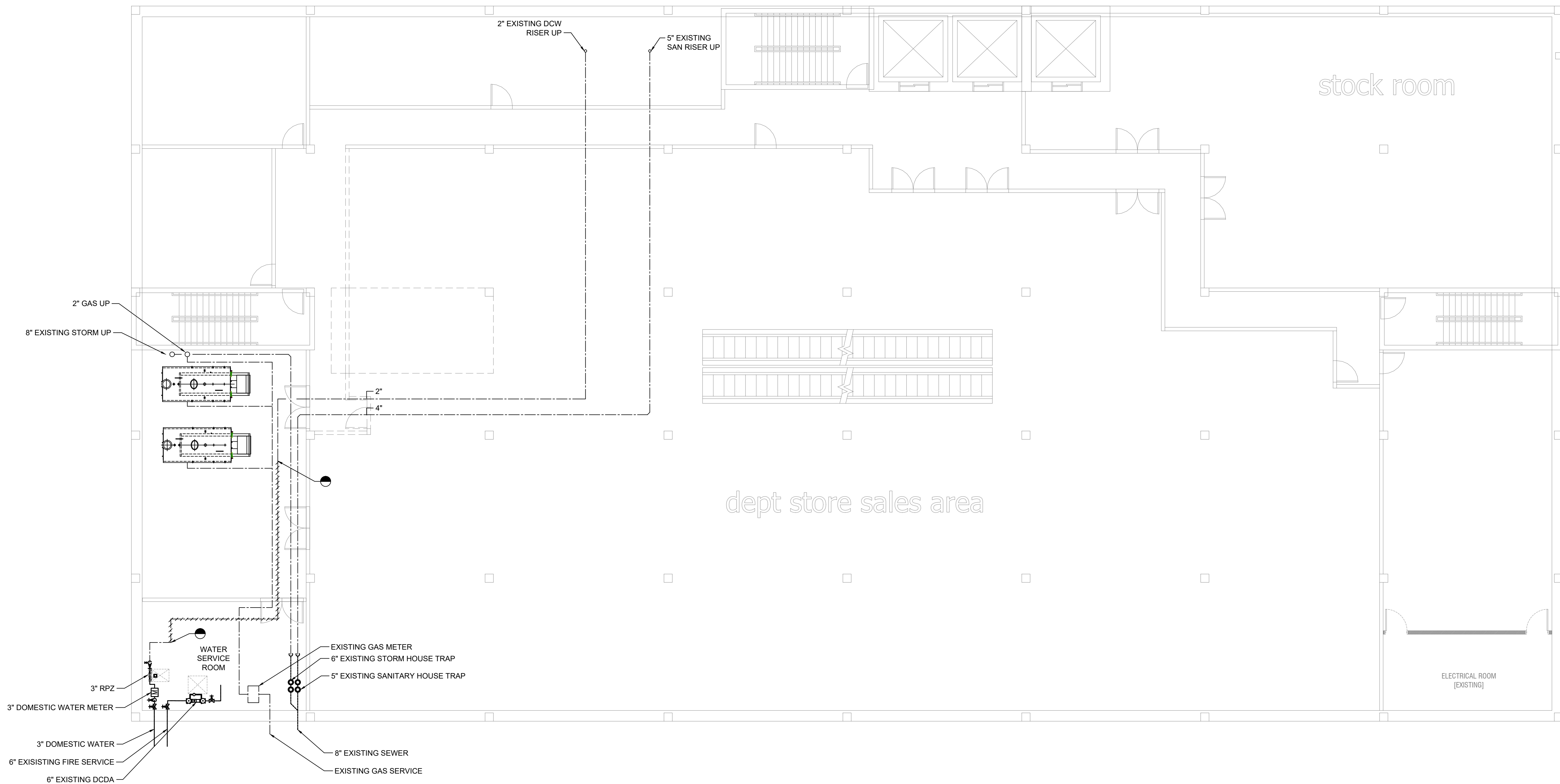
PLUMBING

CELLAR DEMOLITION PLAN

P-100.00

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

EBC CASE STUDY 02

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PLUMBING

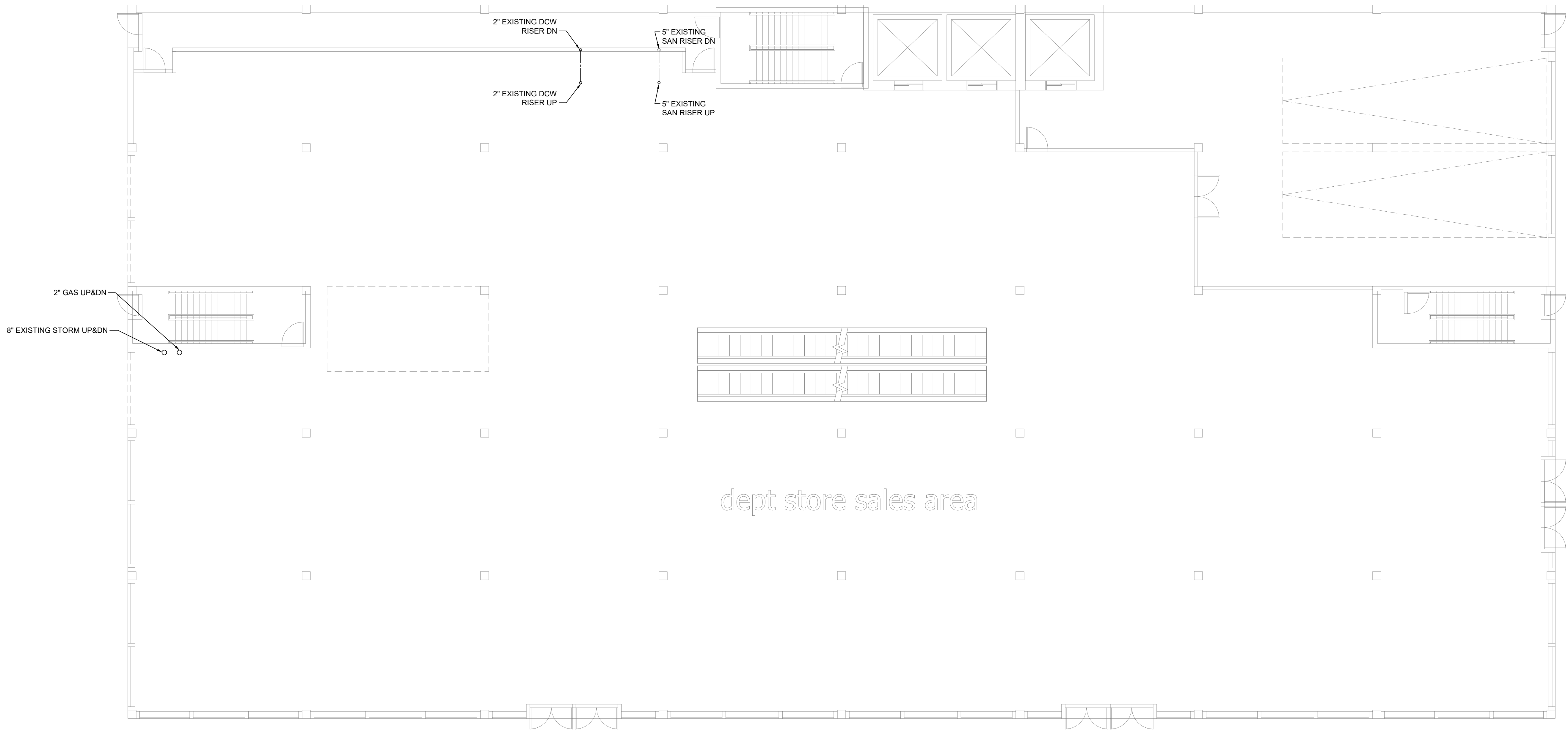
GROUND FLOOR

DEMOLITION PLAN

P-101.00

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

ARCHITECT :

MEP ENGINEER :

STRUCTURAL ENGINEER :

PROJECT:

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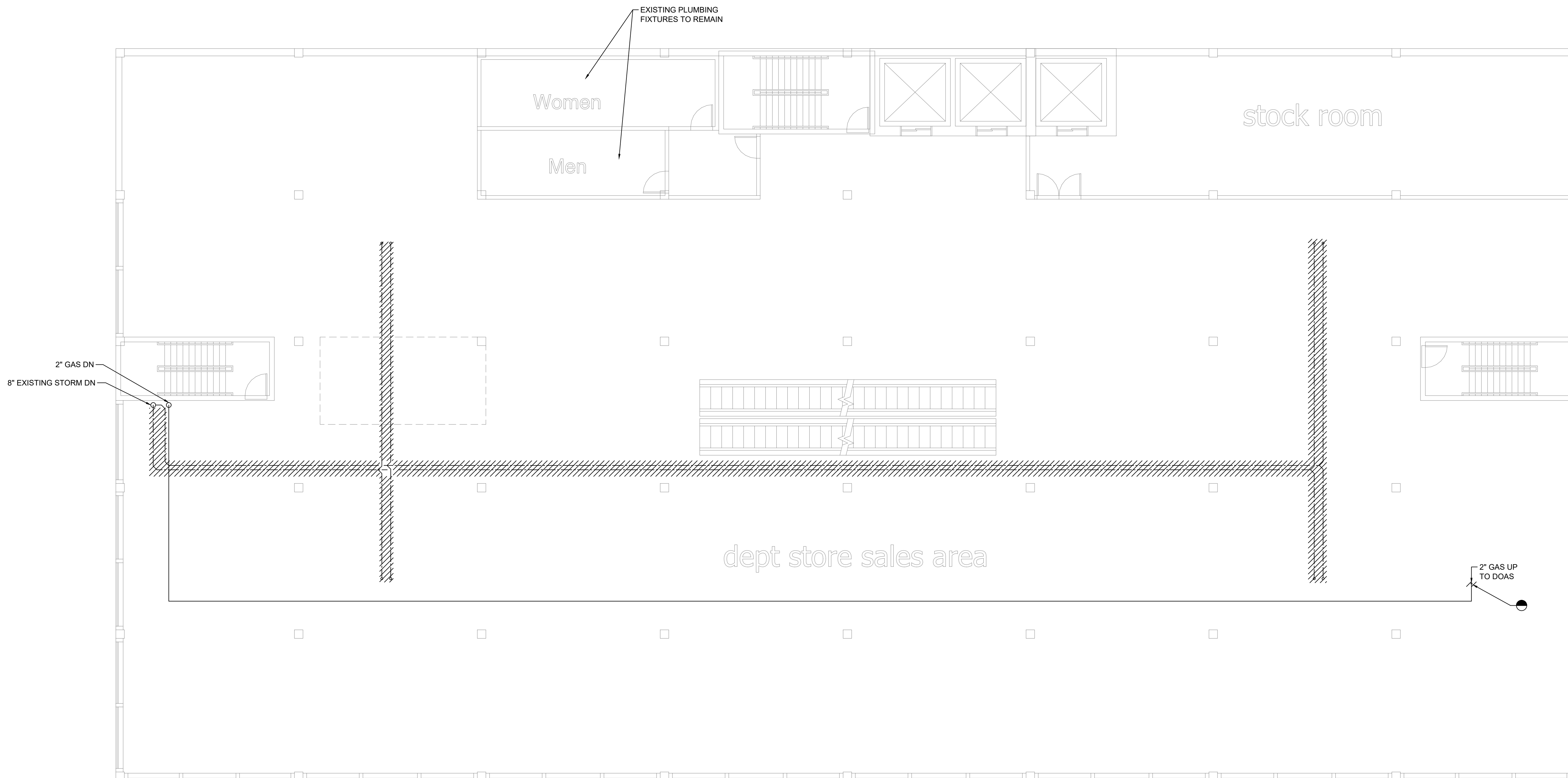
PLUMBING
2ND & 3RD FLOOR
DEMOLITION PLAN

PROJECT #:

DRAWN BY:

SHEET TITLE :

P-102.00



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

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ARCHITECT :

MEP ENGINEER :

STRUCTURAL ENGINEER :

PROJECT:

EBC CASE STUDY 02

DEPARTMENT STORE

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PLUMBING

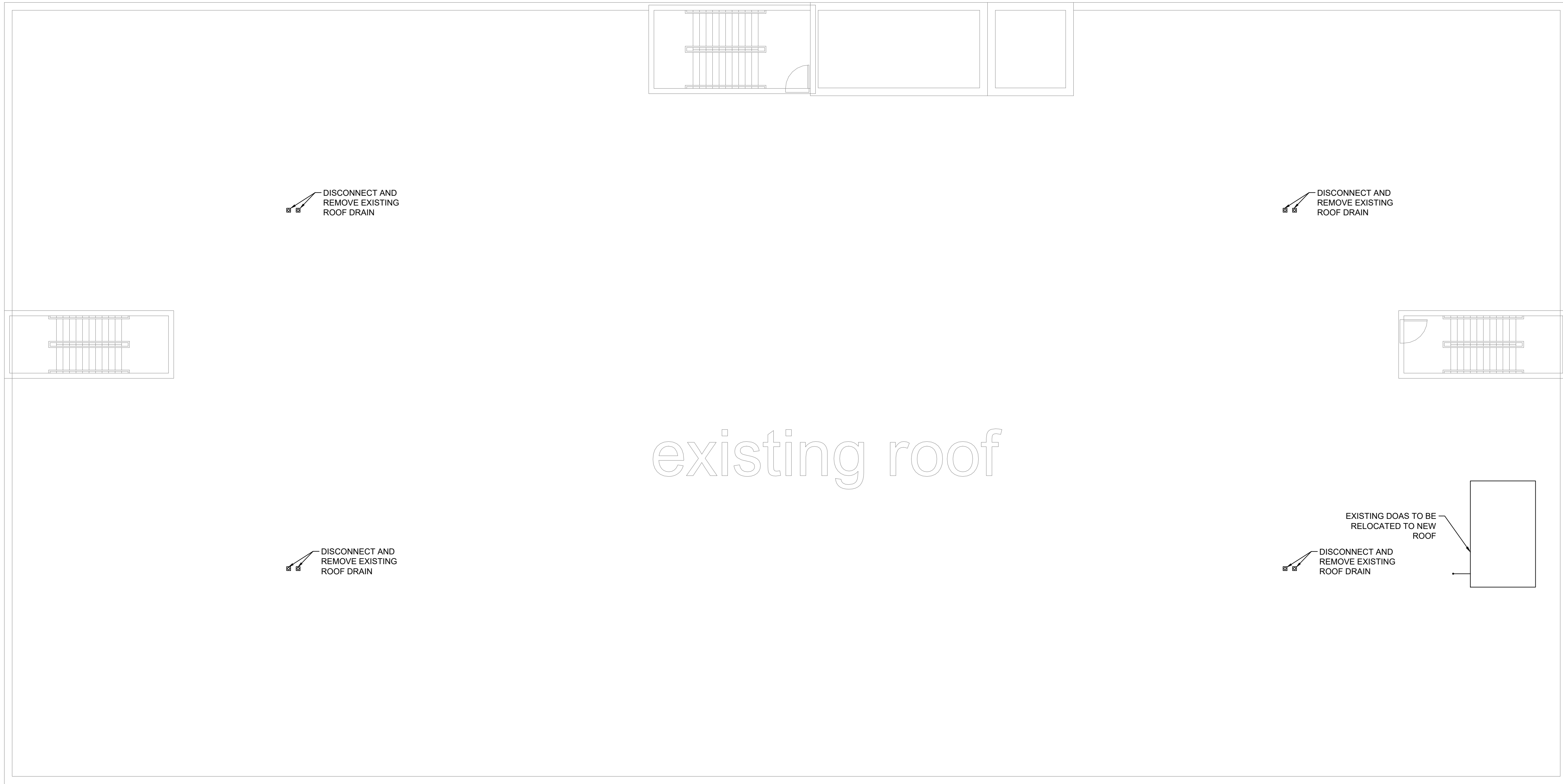
ROOF DEMOLITION PLAN

PROJECT #:

DRAWN BY:

SHEET TITLE :

P-103.00



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

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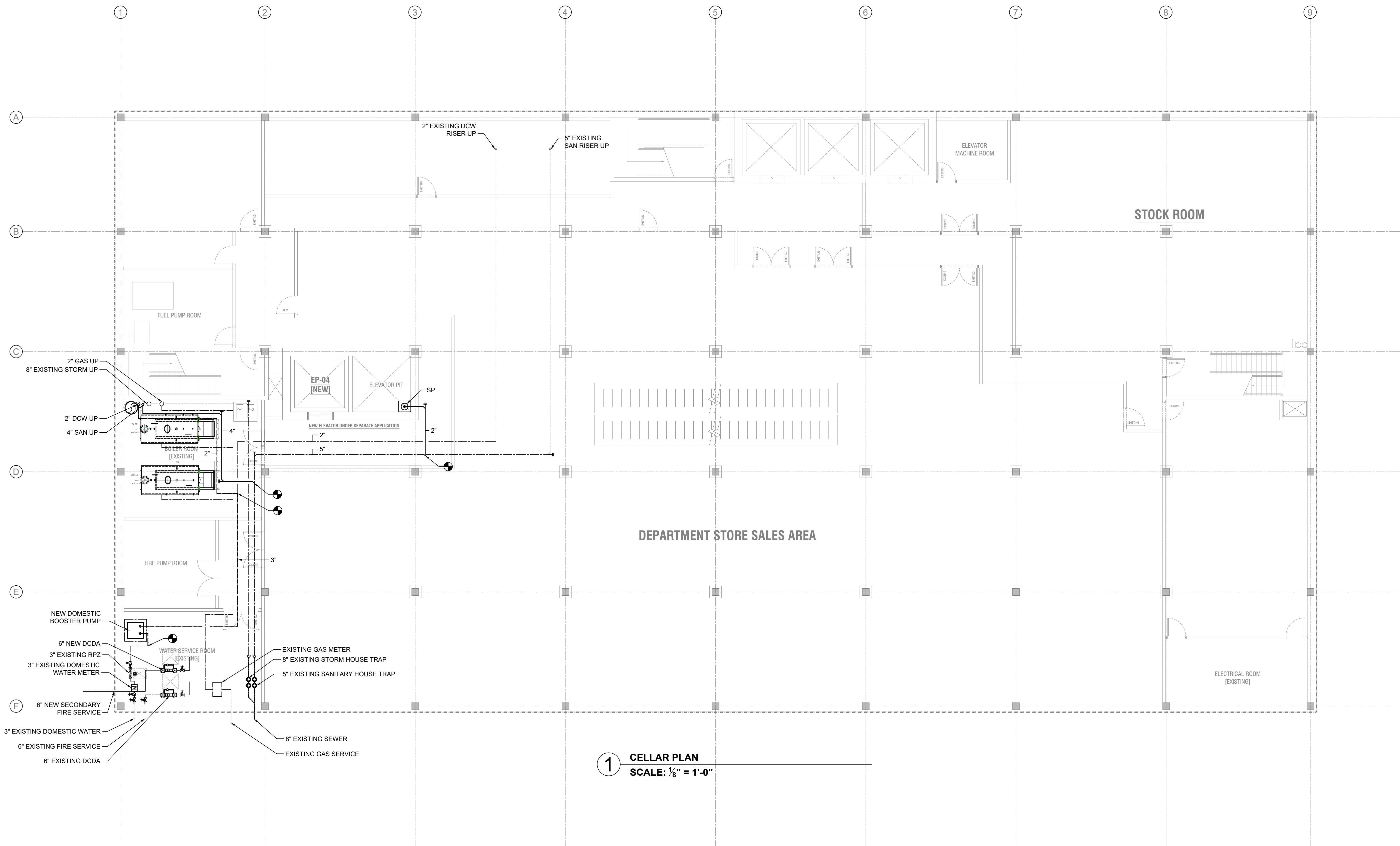
EBC CASE STUDY 02
DEPARTMENT STORE

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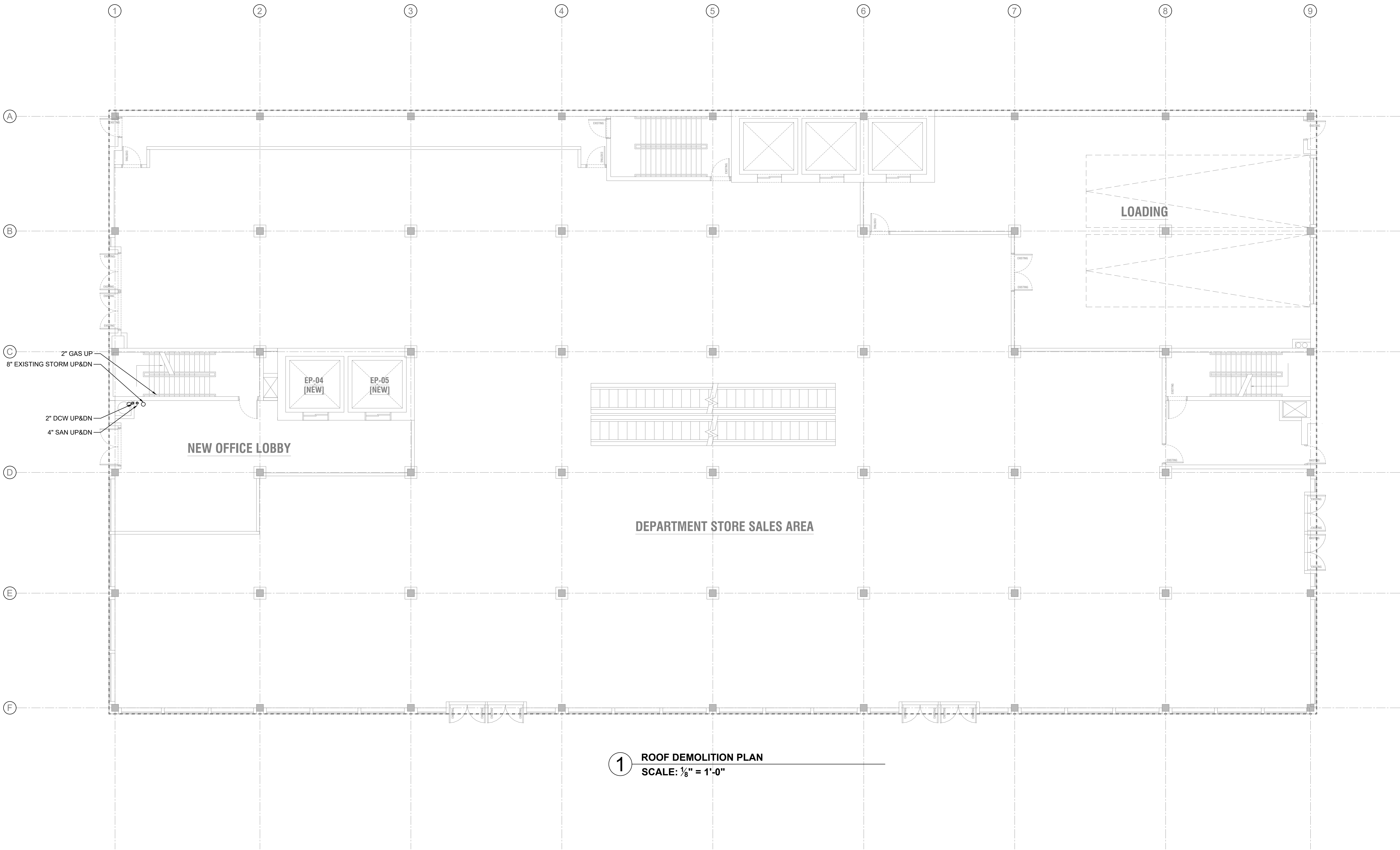
DRAWING TITLE:
**PLUMBING
CELLAR PLAN**

PROJECT #: DRAWN BY:
SHEET TITLE:

P-200.00



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

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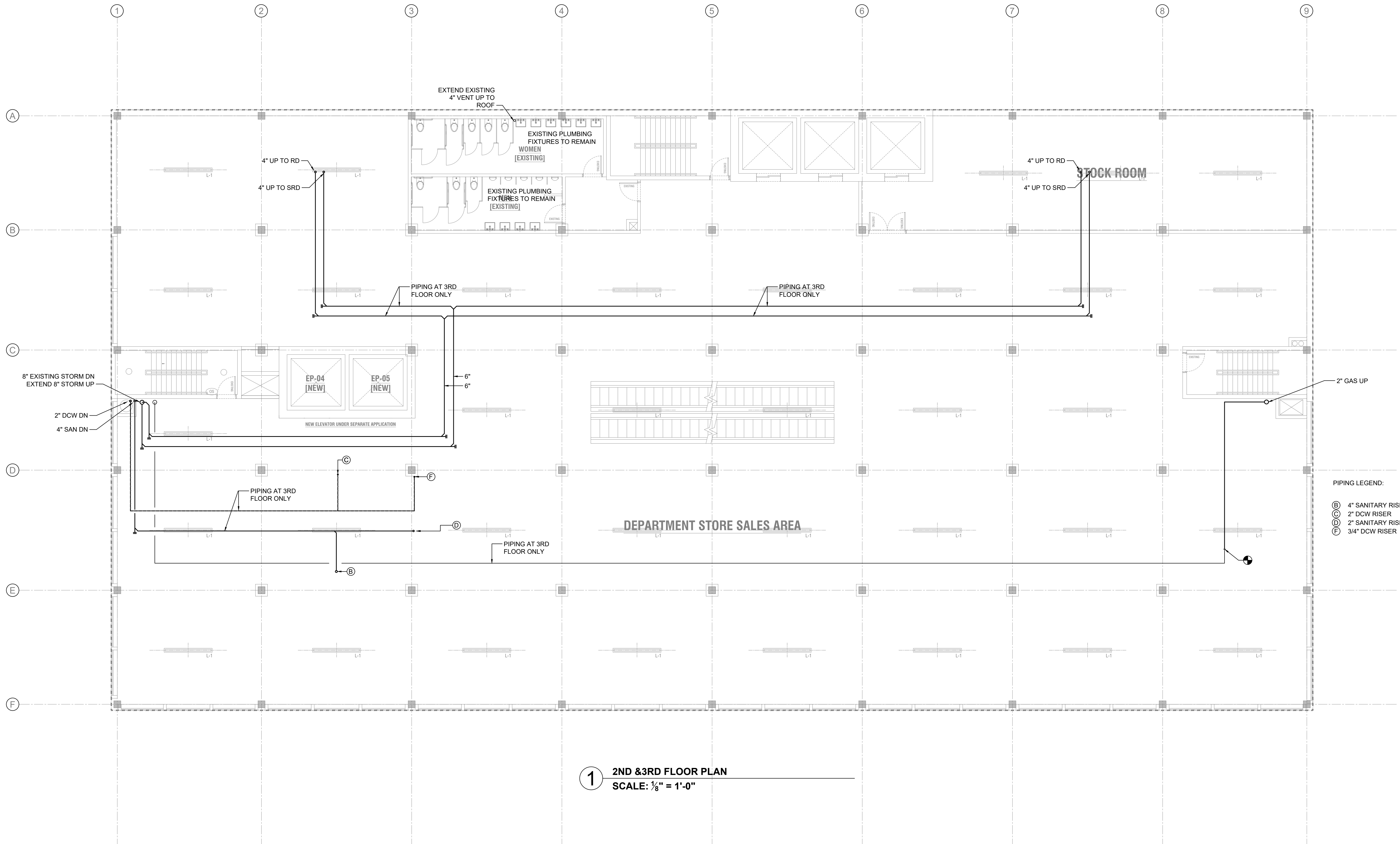
**PLUMBING
GROUND FLOOR PLAN**

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PLUMBING
2ND&3RD FLOOR PLAN

P-202.00



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

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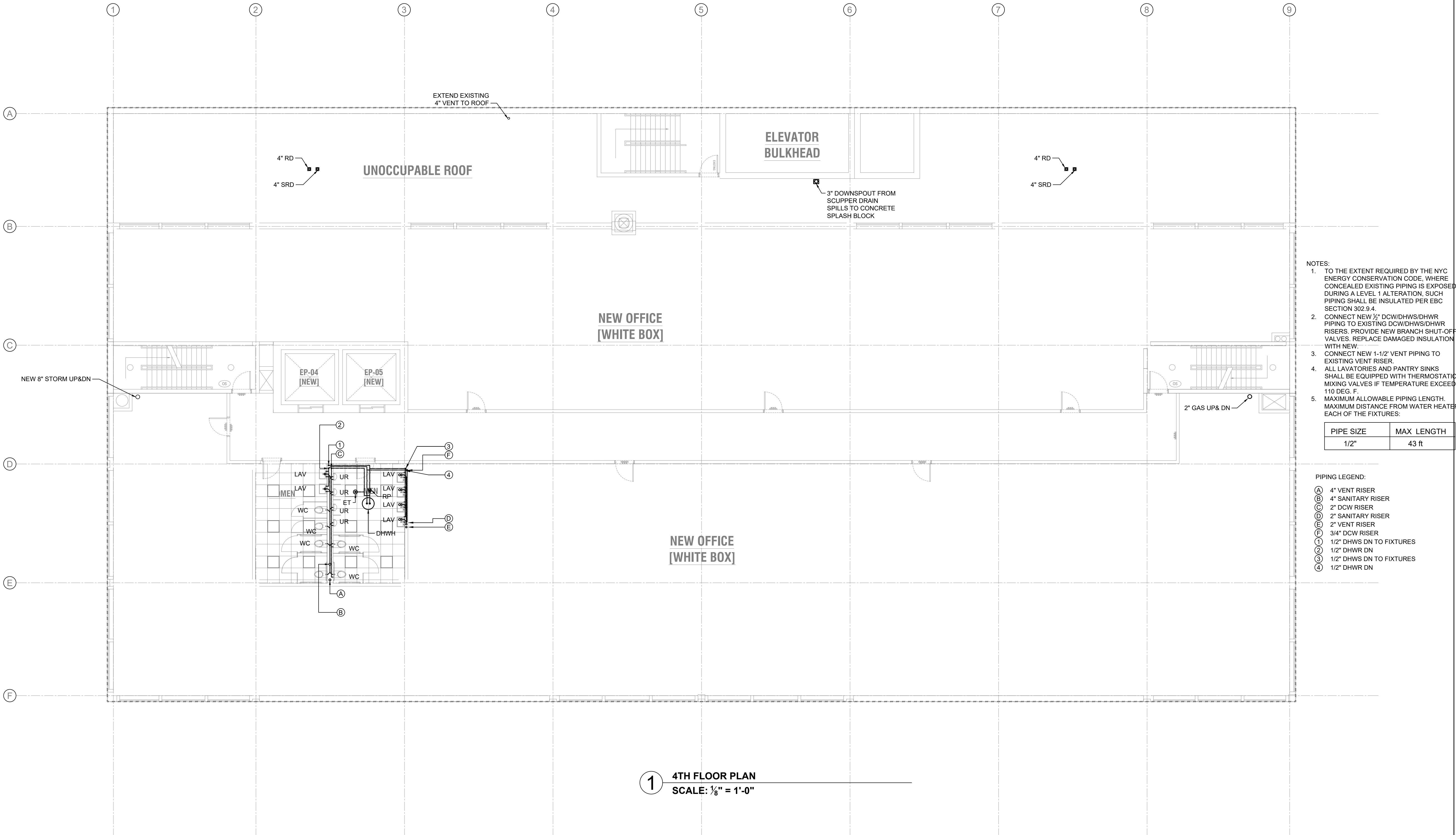
EBC CASE STUDY 02

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PLUMBING
4TH FLOOR PLAN



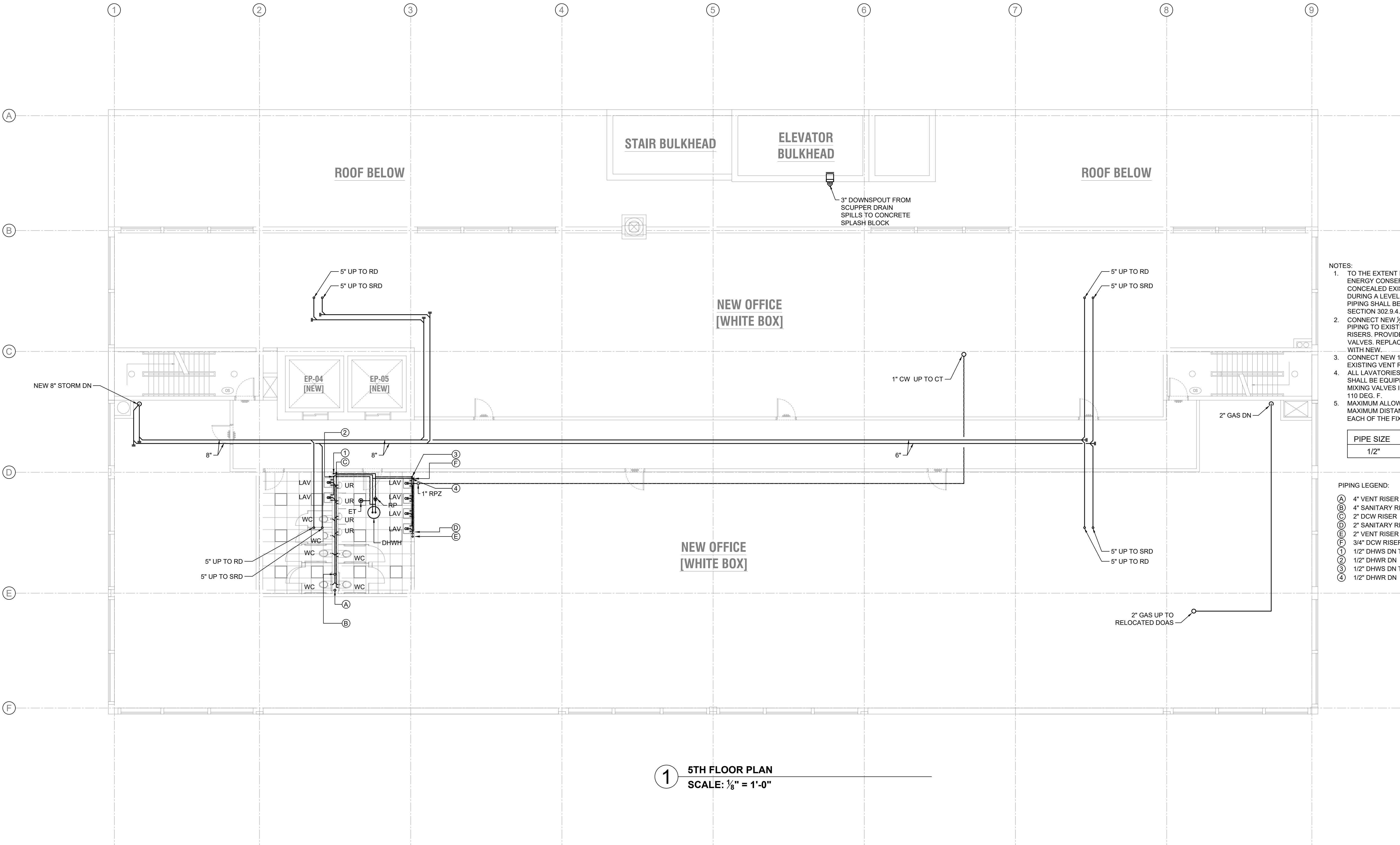
EBC CASE STUDY 02

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2026.05.26	SUBMIT FOR DOB REVIEW

PLUMBING
5TH FLOOR PLAN

P-204.00



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

- NOTES:
- TO THE EXTENT REQUIRED BY THE NYC ENERGY CONSERVATION CODE, WHERE CONCEALED EXISTING PIPING IS EXPOSED DURING A LEVEL 1 ALTERATION, SUCH PIPING SHALL BE INSULATED PER EBC SECTION 302.9.4.
 - CONNECT NEW 1/2" DCW/DHWS/DHWR PIPING TO EXISTING DCW/DHWS/DHWR RISERS. PROVIDE NEW BRANCH SHUT-OFF VALVES. REPLACE DAMAGED INSULATION WITH NEW.
 - CONNECT NEW 1-1/2" VENT PIPING TO EXISTING VENT RISER.
 - ALL LAVATORIES AND PANTRY SINKS SHALL BE EQUIPPED WITH THERMOSTATIC MIXING VALVES IF TEMPERATURE EXCEEDS 110 DEG. F.
 - MAXIMUM ALLOWABLE PIPING LENGTH. MAXIMUM DISTANCE FROM WATER HEATER EACH OF THE FIXTURES:

PIPE SIZE	MAX LENGTH
1/2"	43 ft

PIPING LEGEND:

- (A) 4" VENT RISER
- (B) 4" SANITARY RISER
- (C) 2" DOW RISER
- (D) 2" SANITARY RISER
- (E) 2" VENT RISER
- (F) 3/4" DCW RISER
- (1) 1/2" DHWS DN TO FIXTURES
- (2) 1/2" DHWR DN
- (3) 1/2" DHWS DN TO FIXTURES
- (4) 1/2" DHWR DN

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EBC CASE STUDY 02

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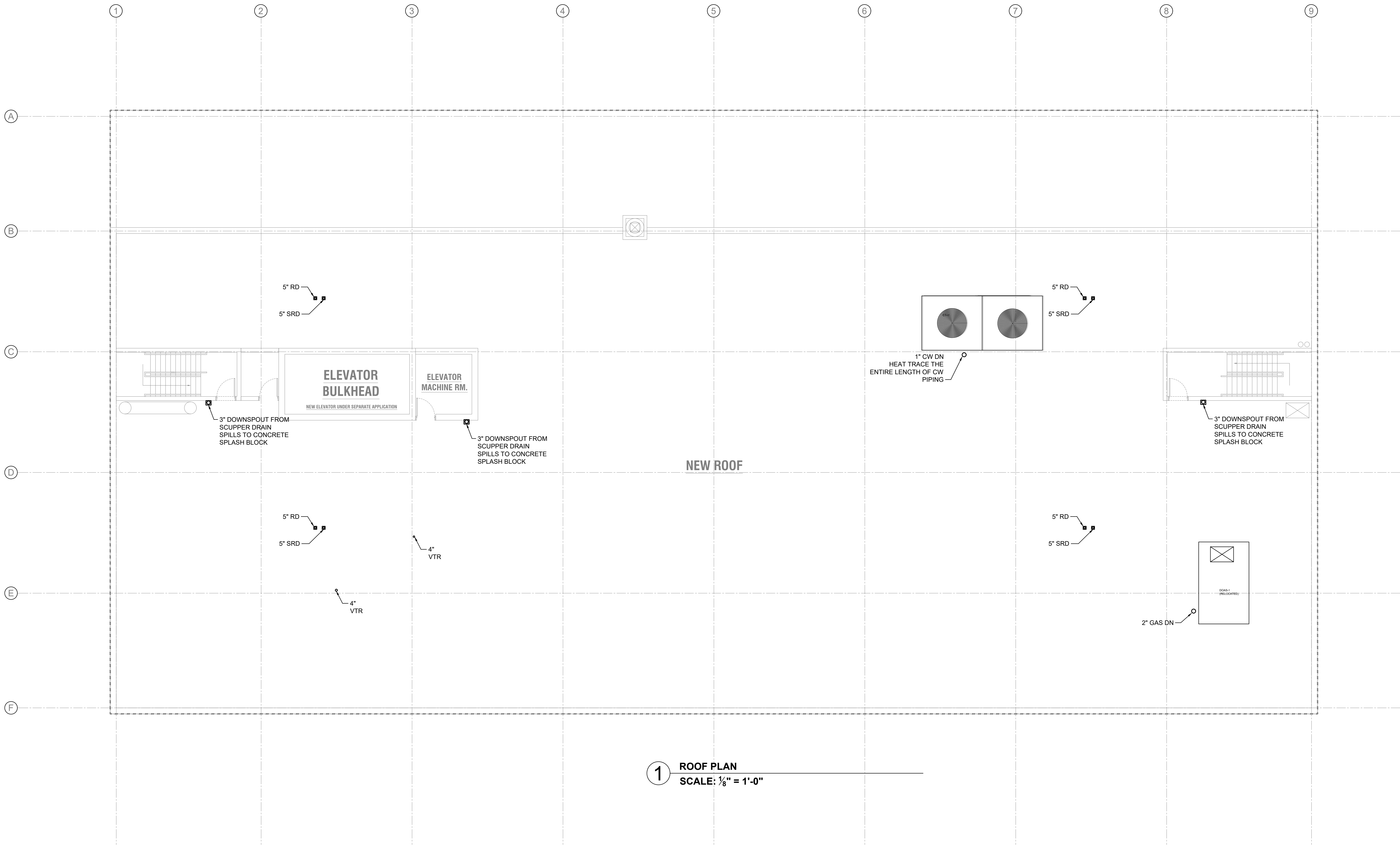
PLUMBING
ROOF PLAN

PROJECT #:

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P-205.00



1 ROOF PLAN

SCALE: 1/8" = 1'-0"

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

ARCHITECT :

MEP ENGINEER :

STRUCTURAL ENGINEER :

PROJECT:

EBC CASE STUDY 02

DEPARTMENT STORE

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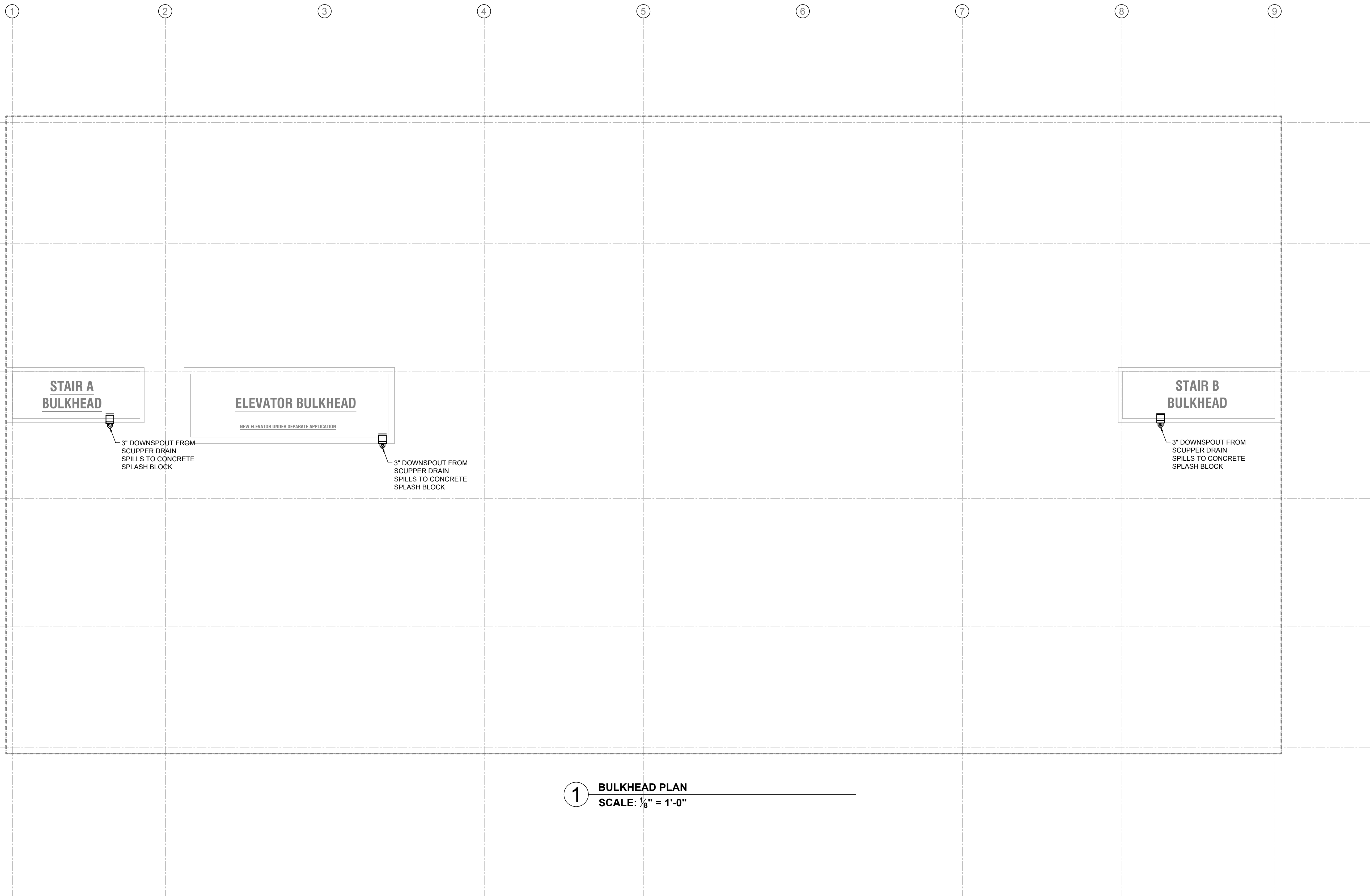
PLUMBING
BULKHEAD PLAN

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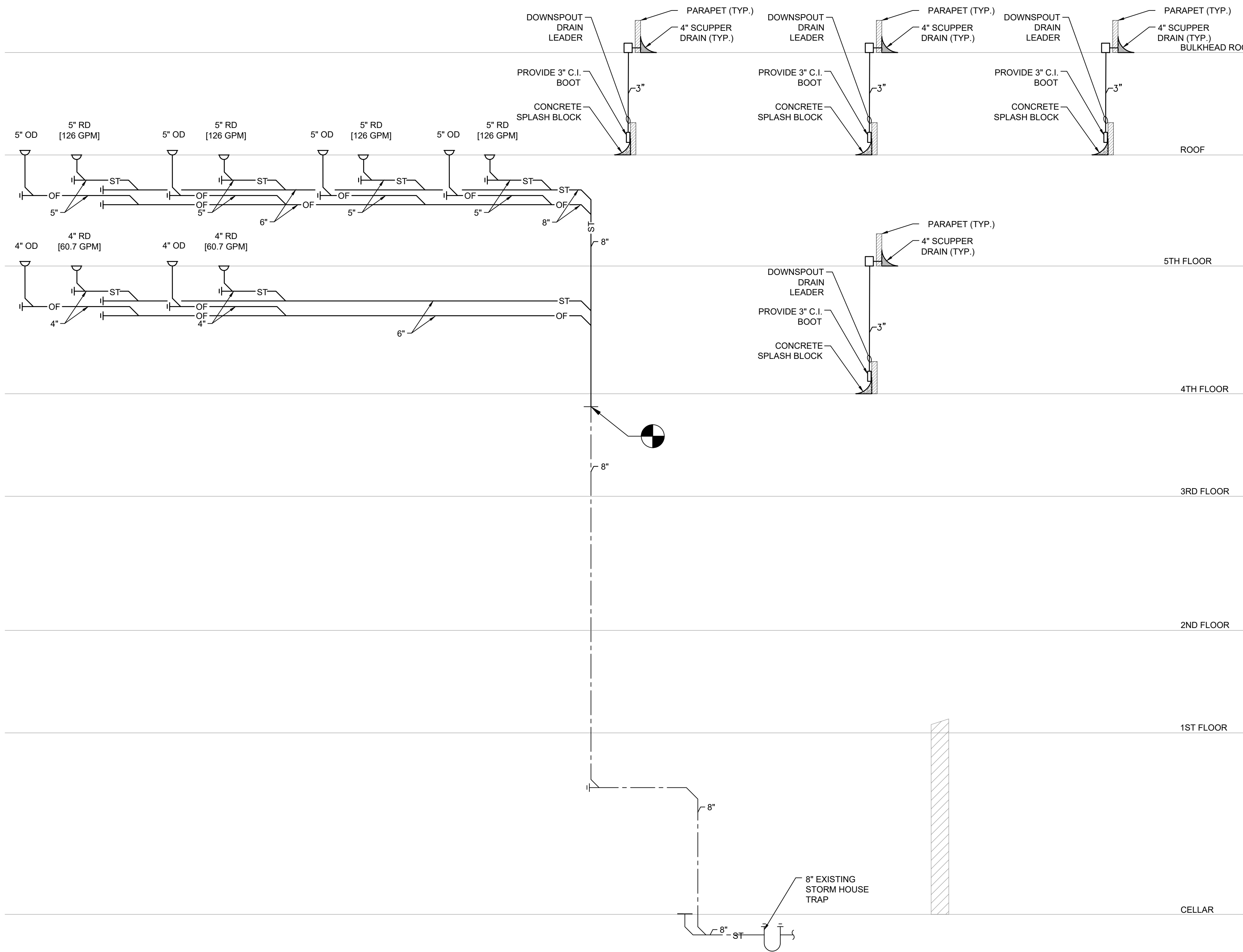
P-206.00



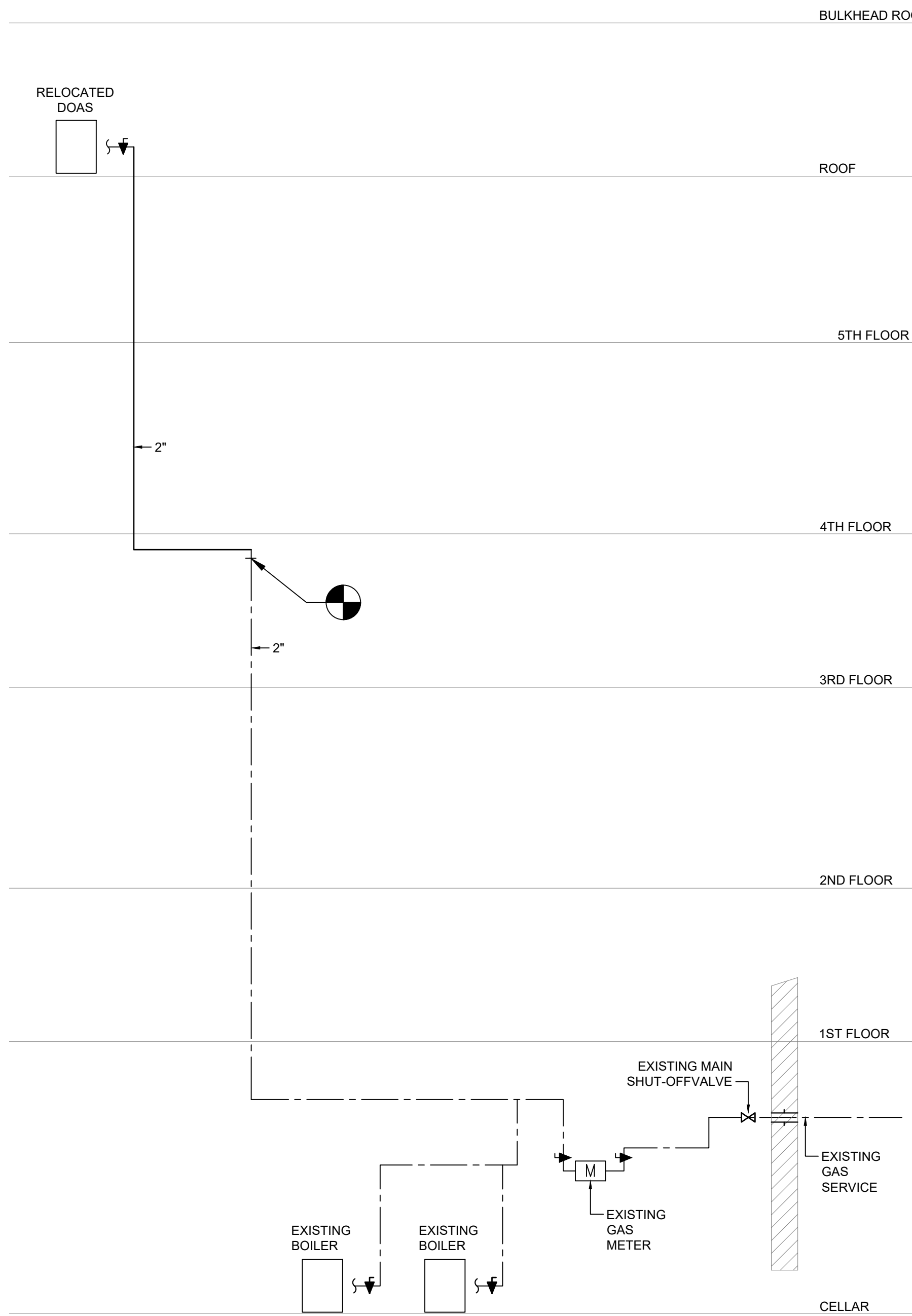
1 BULKHEAD PLAN
SCALE: 1/8" = 1'-0"

FOR EBC TRAINING PURPOSES ONLY

ENERGY SUBMISSION AND SPECIAL INSPECTIONS ARE
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1 STORM RISER DIAGRAM
NOT TO SCALE



2 GAS RISER DIAGRAM
NOT TO SCALE

FOR EBC TRAINING PURPOSES ONLY
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PURPOSES.

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EBC CASE STUDY 02
DEPARTMENT STORE

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EXISTING 3" DOMESTIC WATER SERVICE
IS ADEQUATE FOR 418 WSFU

DRAINAGE FIXTURE UNITS (DFU) AS PER
NYCPC, TABLE 709.1.
CAPACITY VERIFIED IN ACCORDANCE
WITH NYC PLUMBING CODE CHAPTER 7,
TABLE TABLE 710.1

PIPING INSULATION SCHEDULE	
PIPING TYPE	INSULATION THICKNESS (IN)
DOMESTIC COLD WATER PIPING (1-1/2 IN AND SMALLER)	1/2
DOMESTIC COLD WATER PIPING (LARGER THAN 1-1/2 IN)	1
DOMESTIC HOT AND RECIRCULATED WATER PIPING (1-1/2 IN AND SMALLER)	1-1/2
DOMESTIC HOT AND RECIRCULATED WATER PIPING (LARGER THAN 1-1/2 IN)	2

PLUMBING SCHEDULE		
SYMBOL		MFR / MODEL
WHA-1		WATER HAMMER ARRESTOR
		STAINLESS STEEL CONSTRUCTION, PRE-CHARGED, PERMANENTLY SEALED. FIXTURE UNIT RATING: 12-32.
	SERVICE:	PIPE SIZE: 1" P.D.I., UNIT SIZE: B.
	FIXTURE:	JAY R SMITH FIG. NO. 5010 OR EQUAL BY WATTS OR ZURN.
TMV-1		THERMOSTATIC MIXING VALVE
		ALL BRONZE CONSTRUCTION, VIRTUAL SHUTOFF, DIAL THERMOMETER, TEMPERATURE/PRESSURE GAUGE, BALL VALVES.
	SERVICE:	1" CW AND 1" HW INLETS, 1" OUTLET.
	FIXTURE:	POWERS SERIES LM490 OR EQUAL BY SYMMONS OR WATTS.
FCO		FLOOR CLEANOUT
		SIZE AS INDICATED ON DRAWINGS OR AS REQUIRED BY CODE.
	FIXTURE:	ZURN ZN1400-NH-G-VP OR SMITH 4023-UG FOR CONCRETE, ZN1400-NH-VP OR 4023-U FOR CERAMIC, QUARRY TILE OR VINYL, ZN1400-NH-CF-VP OR 4023-UX FOR CARPET. FOR OTHER FINISHES: AS APPROVED BY ARCHITECT.

DOMESTIC WATER BOOSTER UNIT SCHEDULE											REMARKS
SYMBOL	TYPE	SYSTEM FLOW (GPM)	NO OF PUMPS	MANUFACTURER	MODEL	FLOW (GPM)	TDH (PSI)	HP	RPM	POWER (V/PH/HZ)	
DWBP-1 (SICO)	DUPLEX	100 (50%-50% CAPACITY SPLIT)	1			50	60 (25 PSI)	1.5	3500	208/3/60	
			1			50	60 (25 PSI)	1.5	3500	208/3/60	2" LEAD-FREE COPPER SUCTION AND DISCHARGE MANIFOLD - GROOVED CONNECTION WITH DUPLEX CONTROL PANEL (NEMA 1), 208 VOLT - 3 PHASE WITH VFD DRIVES TO CONTROL PUMP OPERATION. AUTOMATIC ALTERNATOR, 24 HOUR TIMER, HOA FOR EACH PUMP, MAIN DISCONNECT SWITCH, ALARM AND LIGHTS AND DRY CONTACTS FOR REMOTE ALARM. WITH 5 GALLON CUSHION TANK 150 PSI WP FACTORY-BUILT, PRE-WIRED AND ASSEMBLED ON 32" X 32" STAINLESS STEEL BASEPLATE 4" HIGH CONCRETE PAD

RECIRCULATING PUMP SCHEDULE									
SYMBOL	MANUFACTURER	MODEL	TYPE	LOCATION	FLOW (GPM)	TDH (PSI)	HP	POWER (V/PH/HZ)	REMARKS
RC-1			IN-LINE	WATER ROOM	2	10	1/6	120/1/60	

DOMESTIC HOT WATER HEATER									
MARK	LOCATION	AREA SERVED	MANUFACTURER	MODEL	STORAGE (GALLONS)	RECOVERY CAPACITY (GPH @ 100 °F RISE)	MAX. INPUT (KW)	POWER (V/PH/Hz)	REMARKS
DHWH	SEE PLANS	SEE PLANS			19	12	3	208/1/60	

EXPANSION TANK SCHEDULE								
SYMBOL	MANUFACTURER	MODEL	TANK VOLUME (GAL)	ACCEPTANCE FACTOR	TANK DIA (IN)	TANK HEIGHT (IN)	WEIGHT (LBS)	REMARKS
ET			2	0.45	8	13	5	

SUMP PUMP SCHEDULE									
SYMBOL	MANUFACTURER	MODEL	TYPE	LOCATION	FLOW (GPM)	TDH (PSI)	HP	POWER	REMARKS
SP-1			OIL MINDER	ELEVATOR PIT	50	25	1	120/1/60	

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:

2026.08.14 SUBMIT FOR DOB REVIEW

2026.07.21 SUBMIT FOR DOB REVIEW

2026.06.16 SUBMIT FOR DOB REVIEW

2026.06.02 SUBMIT FOR DOB REVIEW

2026.05.26 SUBMIT FOR DOB REVIEW

DRAWING TITLE:

PLUMBING SCHEDULES

PROJECT #:

DRAWN BY:

SHEET TITLE:

P-600.00