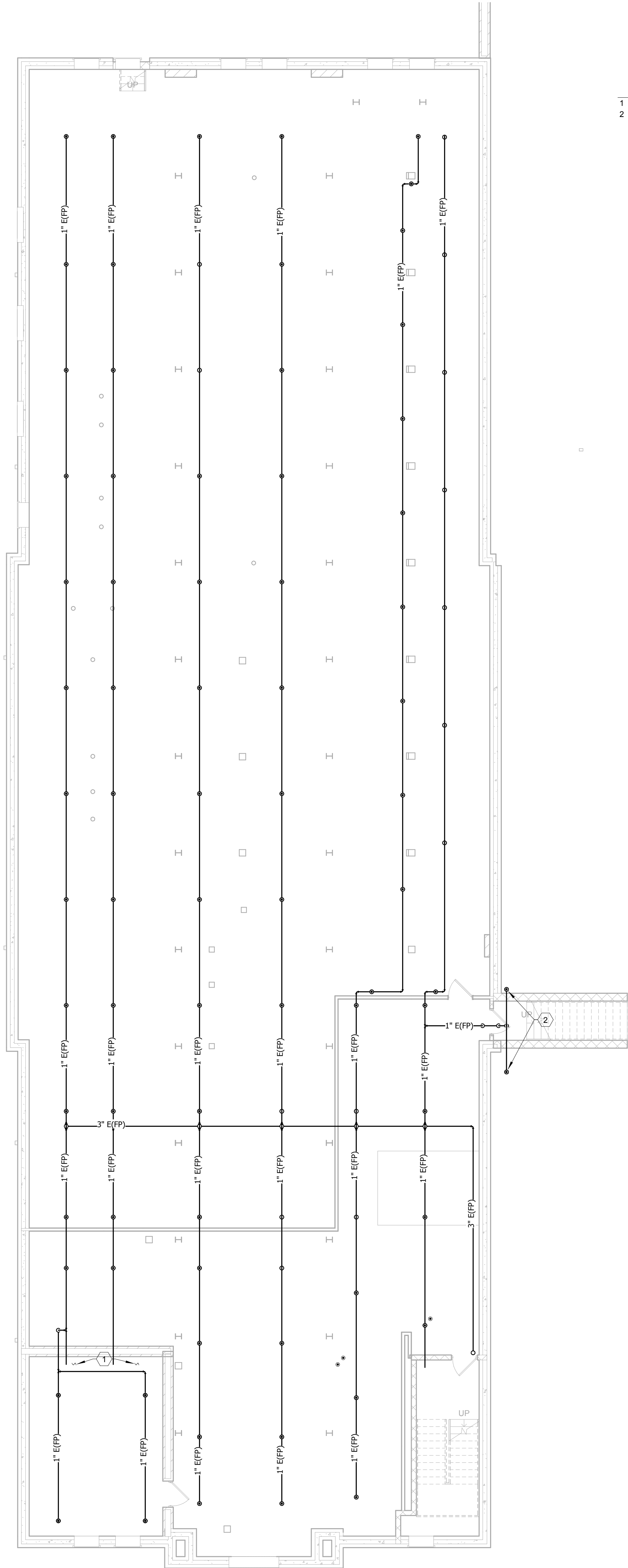


① FIRE PROTECTION DEMO BASEMENT
PLAN
1/8" = 1'-0"



- FIRE PROTECTION DEMO BASEMENT PLAN TAGGED NOTES
- 1 EXISTING FIRE PROTECTION PIPING ABANDONED ABOVE VAULT.
 - 2 FIRE PROTECTION PIPING AND SPRINKLER HEADS UNDER LANDING.

UNIVERSITY LOFTS - Renovate Academic Facility UK School of Art & Visual Studies

FIRE PROTECTION DEMO BASEMENT PLAN

NOT FOR CONSTRUCTION Job Number: 1205

Date: 03/2013

Drawn By: Author

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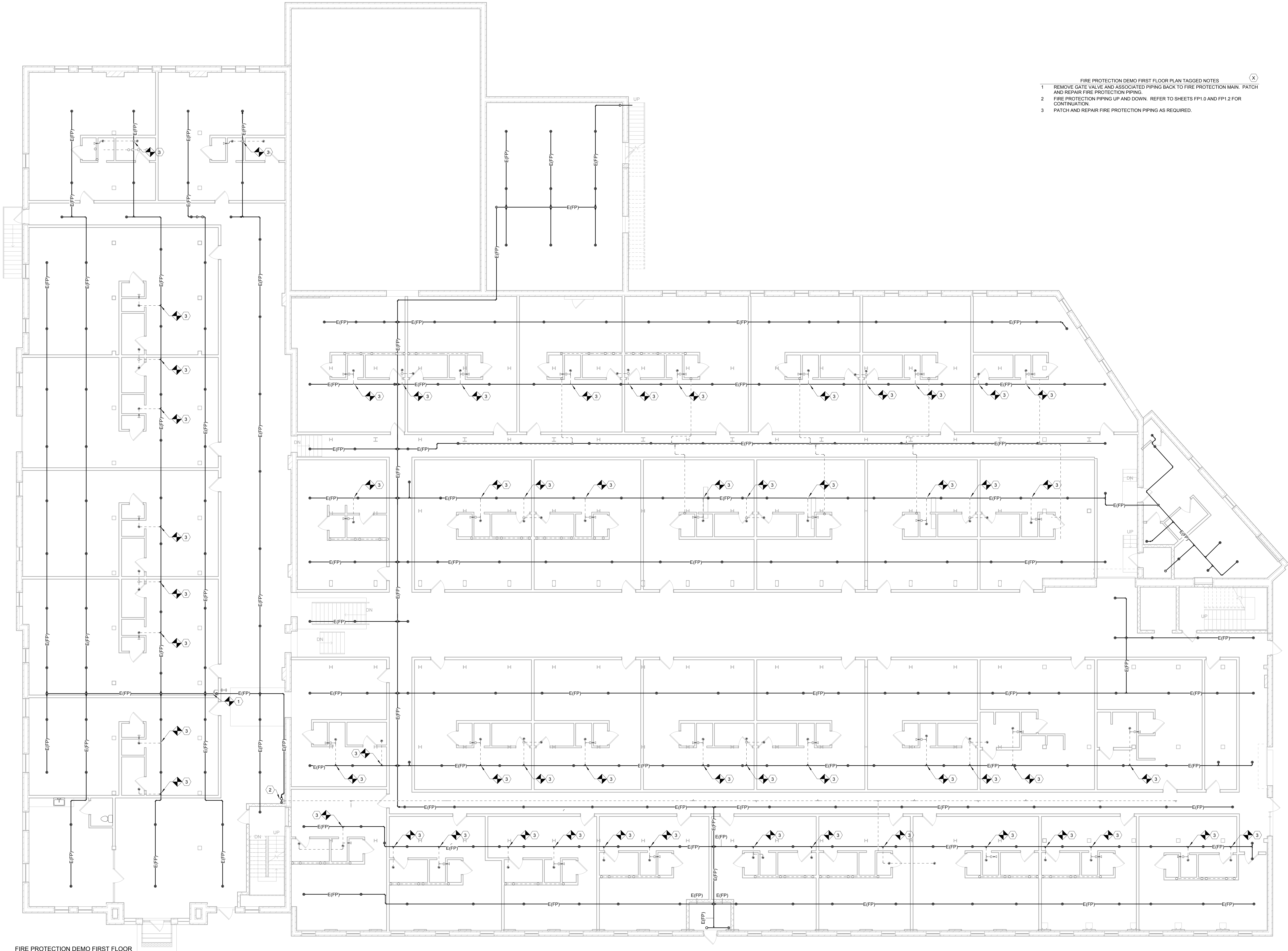
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PRE-DESIGN
FP1.0



FIRE PROTECTION DEMO FIRST FLOOR
PLAN
1/8" = 1'-0"

- FIRE PROTECTION DEMO FIRST FLOOR PLAN TAGGED NOTES (X)
- 1 REMOVE GATE VALVE AND ASSOCIATED PIPING BACK TO FIRE PROTECTION MAIN. PATCH AND REPAIR FIRE PROTECTION PIPING.
 - 2 FIRE PROTECTION PIPING UP AND DOWN. REFER TO SHEETS FP1.0 AND FP1.2 FOR CONTINUATION.
 - 3 PATCH AND REPAIR FIRE PROTECTION PIPING AS REQUIRED.

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UK School of Art & Visual Studies

FIRE PROTECTION DEMO FIRST FLOOR PLAN

NOT FOR CONSTRUCTION Job Number: 1205

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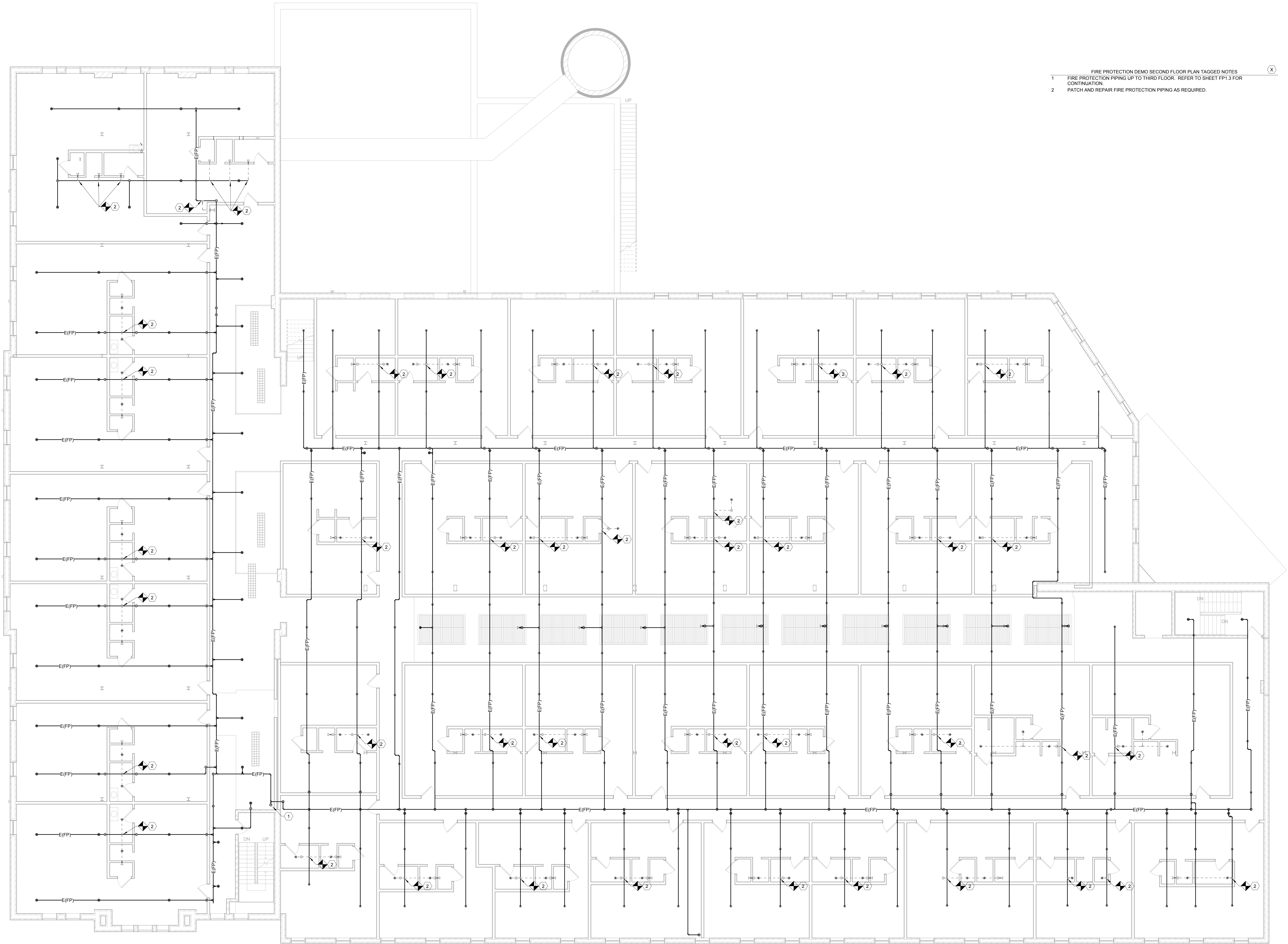
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PRE-DESIGN
FP1.1



FIRE PROTECTION DEMO SECOND FLOOR PLAN
1
1/8" = 1'-0"

- FIRE PROTECTION DEMO SECOND FLOOR PLAN TAGGED NOTES
- 1 FIRE PROTECTION PIPING UP TO THIRD FLOOR. REFER TO SHEET FP1.3 FOR CONTINUATION.
 - 2 PATCH AND REPAIR FIRE PROTECTION PIPING AS REQUIRED.

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FIRE PROTECTION DEMO SECOND FLOOR PLAN

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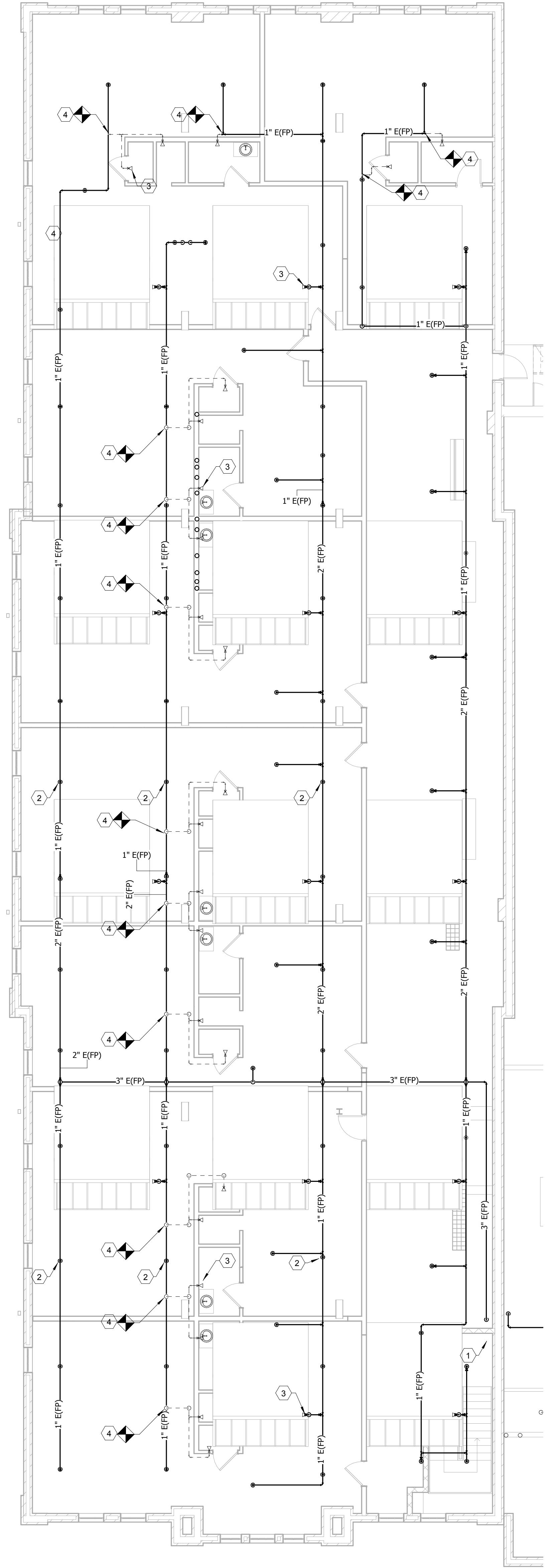


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FP1.2

PRE-DESIGN



- FIRE PROTECTION DEMO THIRD FLOOR PLAN TAGGED NOTES
- 3" EXISTING FIRE PROTECTION PIPING DOWN TO FIRST FLOOR. REFER TO SHEET FP1.2 FOR CONTINUATION.
 - EXISTING CEILING MOUNTED SPRINKLER HEAD. TYPICAL.
 - EXISTING SIDEWALL MOUNTED SPRINKLER HEAD. TYPICAL.
 - PATCH AND REPAIR FIRE PROTECTION PIPING AS REQUIRED.

FIRE PROTECTION DEMO THIRD FLOOR
PLAN
1/8" = 1'-0"

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FIRE PROTECTION DEMO THIRD FLOOR PLAN

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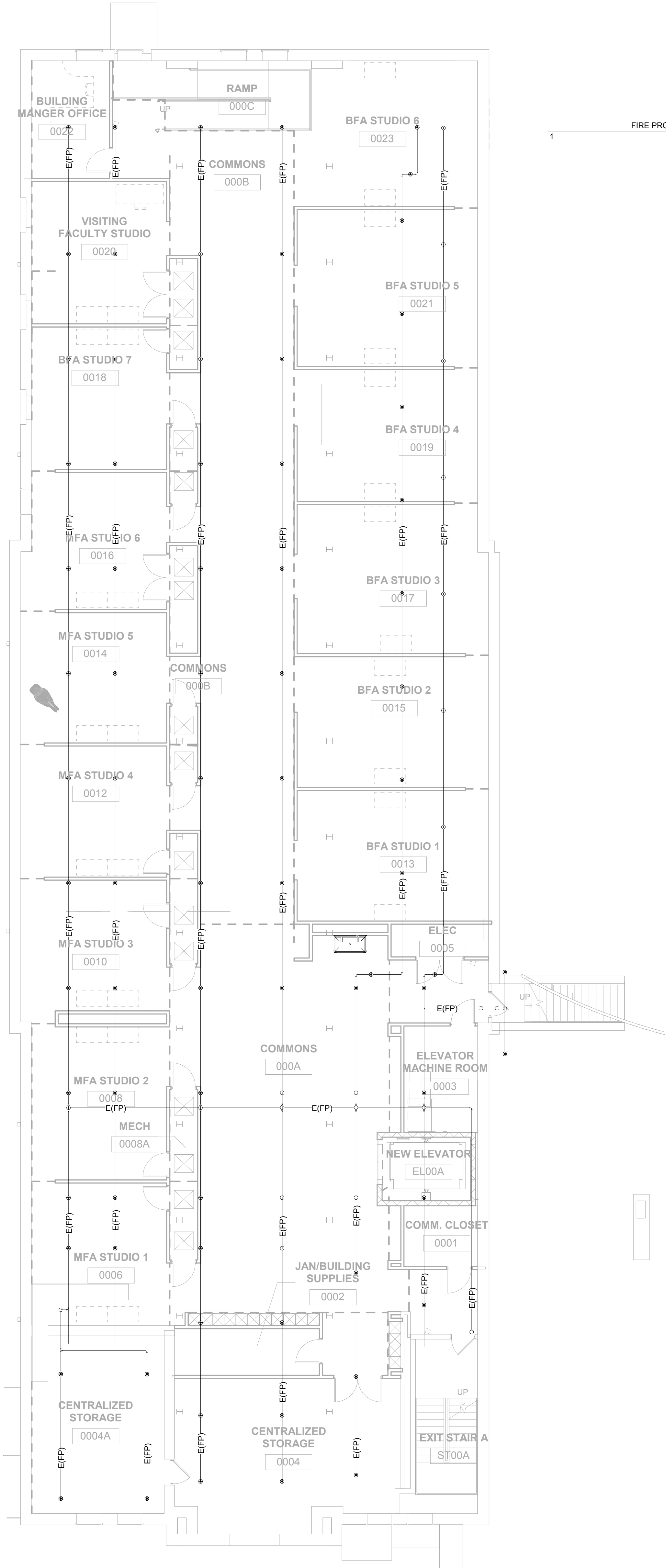


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PRE-DESIGN

FP1.3



FIRE PROTECTION DESIGN BASEMENT
PLAN
1/8" = 1'-0"

1 FIRE PROTECTION DESIGN BASEMENT PLAN TAGGED NOTES

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FIRE PROTECTION DESIGN BASEMENT PLAN

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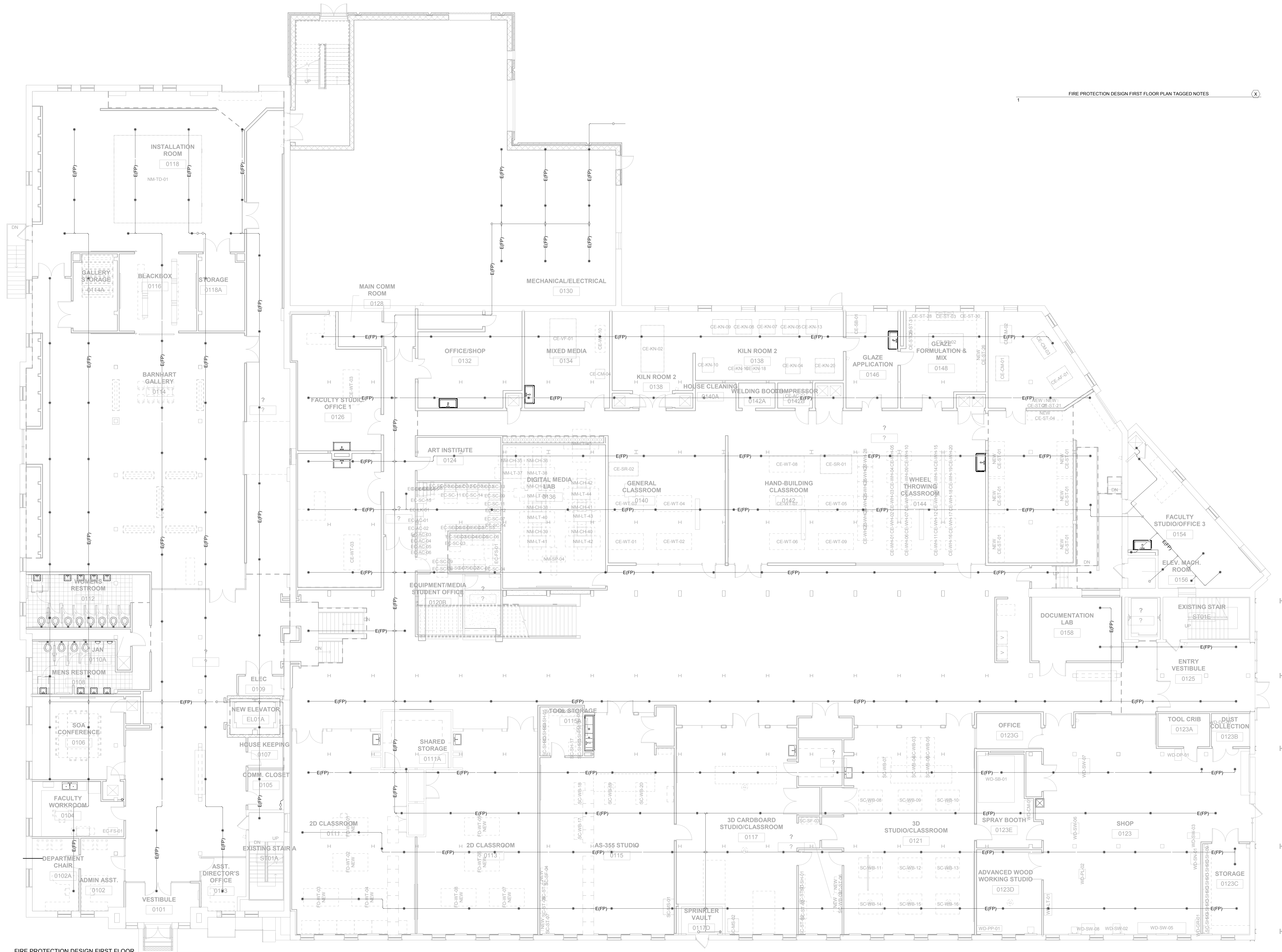


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PRE-DESIGN

FP2.0



FIRE PROTECTION DESIGN FIRST FLOOR PLAN TAGGED NOTES

FIRE PROTECTION DESIGN FIRST FLOOR PLAN
1/8" = 1'-0"

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UK School of Art & Visual Studies

FIRE PROTECTION DESIGN FIRST FLOOR PLAN

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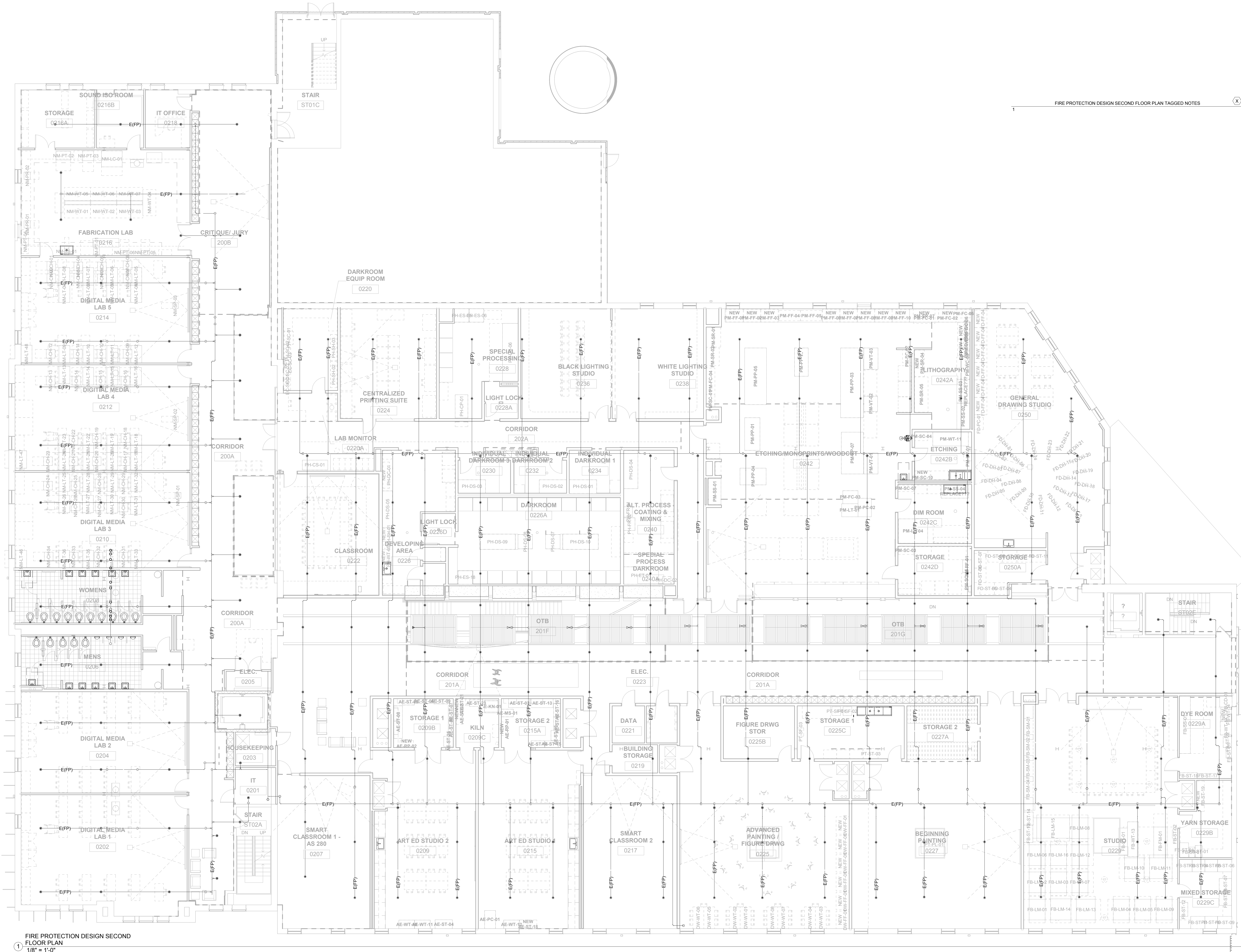
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PRE-DESIGN

FP2.1



1 FIRE PROTECTION DESIGN SECOND FLOOR PLAN
1/8" = 1'-0"

FIRE PROTECTION DESIGN SECOND FLOOR PLAN TAGGED NOTES

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FIRE PROTECTION DESIGN SECOND FLOOR PLAN

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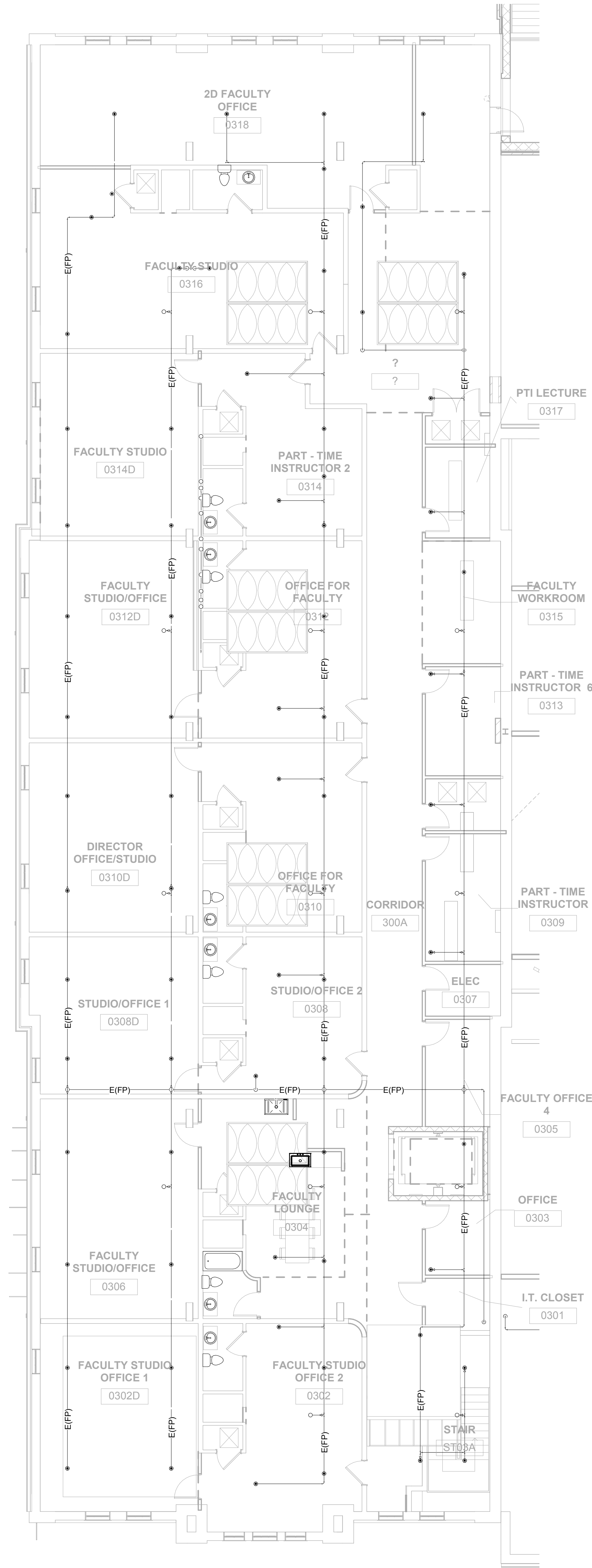


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PRE-DESIGN

FP2.2



1 FIRE PROTECTION DESIGN THIRD FLOOR PLAN TAGGED NOTES

1 FIRE PROTECTION DESIGN THIRD FLOOR PLAN
1/8" = 1'-0"

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UK School of Art & Visual Studies

FIRE PROTECTION DESIGN THIRD FLOOR PLAN

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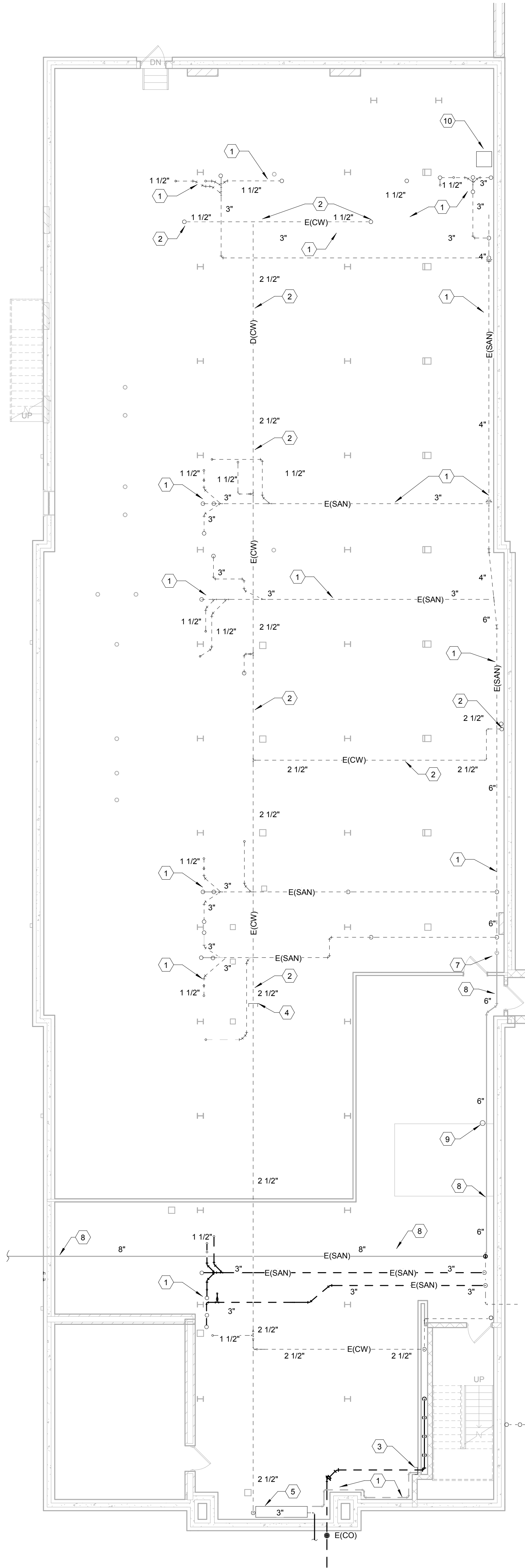


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PRE-DESIGN

FP2.3



- PLUMBING DEMO BASEMENT PLAN TAGGED NOTES (X)
- 1 REMOVE EXISTING SANITARY PIPING. FIELD VERIFY EXACT LOCATION.
 - 2 REMOVE EXISTING DOMESTIC WATER PIPING. FIELD VERIFY EXACT LOCATION.
 - 3 CAP EXISTING SANITARY MAIN. FIELD VERIFY EXACT LOCATION.
 - 4 CAP EXISTING DOMESTIC WATER LINE. FIELD VERIFY EXACT LOCATION.
 - 5 REMOVE EXISTING 3\" BACK-FLOW PREVENTER AND CAP EXISTING WATER LINES FOR FUTURE CONNECTION.
 - 6 EXISTING DOMESTIC WATER LINE SHALL REMAIN.
 - 7 EXISTING 6\" SANITARY DOWN. CAP BELOW FLOOR SLAB AND PATCH EXISTING FLOOR SLAB TO MATCH EXISTING.
 - 8 EXISTING SANITARY PIPING SHALL REMAIN.
 - 9 REMOVE EXISTING 4\" FIRE PROTECTION STAND PIPE AND VALVES. CAP BELOW FLOOR SLAB AND REPAIR FLOOR SLAB TO MATCH EXISTING.
 - 10 EXISTING SUMP AND DRAIN PIPES SHALL BE REMOVED. CAP EXISTING DRAIN LINES.
 - 11 ABANDON EXISTING SANITARY PIPING IN-PLACE.

1 PLUMBING DEMO BASEMENT PLAN
1/8\" = 1'-0\"

UNIVERSITY LOFTS - Renovate Academic Facility

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PLUMBING DEMO BASEMENT PLAN

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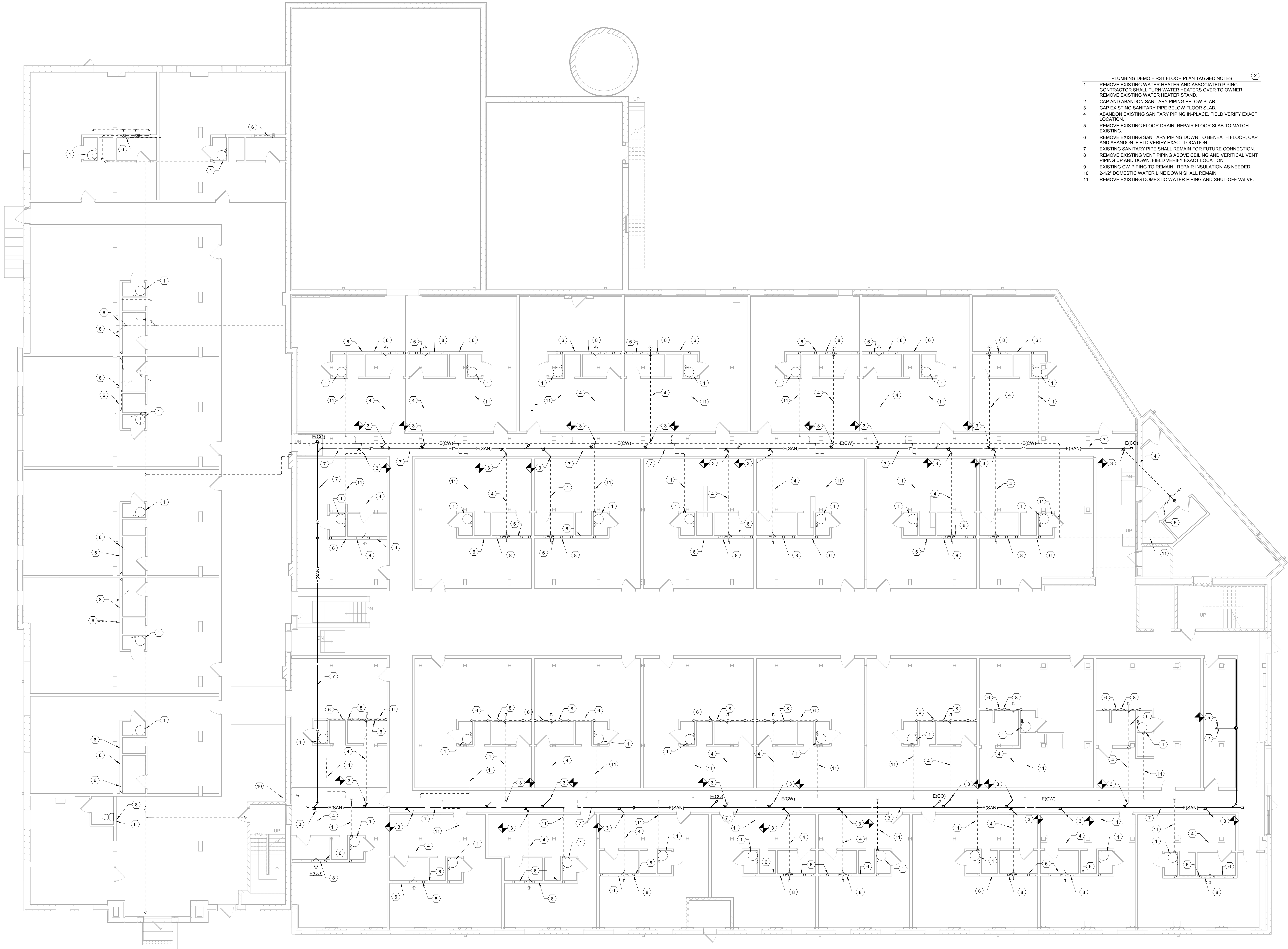


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PRE-DESIGN

P2.0



- PLUMBING DEMO FIRST FLOOR PLAN TAGGED NOTES
- 1 REMOVE EXISTING WATER HEATER AND ASSOCIATED PIPING. CONTRACTOR SHALL TURN WATER HEATERS OVER TO OWNER. REMOVE EXISTING WATER HEATER STAND.
 - 2 CAP AND ABANDON SANITARY PIPING BELOW SLAB.
 - 3 CAP EXISTING SANITARY PIPE BELOW FLOOR SLAB.
 - 4 ABANDON EXISTING SANITARY PIPING IN-PLACE. FIELD VERIFY EXACT LOCATION.
 - 5 REMOVE EXISTING FLOOR DRAIN. REPAIR FLOOR SLAB TO MATCH EXISTING.
 - 6 REMOVE EXISTING SANITARY PIPING DOWN TO BENEATH FLOOR. CAP AND ABANDON. FIELD VERIFY EXACT LOCATION.
 - 7 EXISTING SANITARY PIPE SHALL REMAIN FOR FUTURE CONNECTION. REMOVE EXISTING VENT PIPING ABOVE CEILING AND VERTICAL VENT PIPING UP AND DOWN. FIELD VERIFY EXACT LOCATION.
 - 8 EXISTING CW PIPING TO REMAIN. REPAIR INSULATION AS NEEDED.
 - 9 2-1/2" DOMESTIC WATER LINE DOWN SHALL REMAIN.
 - 10 REMOVE EXISTING DOMESTIC WATER PIPING AND SHUT-OFF VALVE.
 - 11

1 PLUMBING DEMO FIRST FLOOR PLAN
1/8" = 1'-0"

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PLUMBING DEMO FIRST FLOOR PLAN

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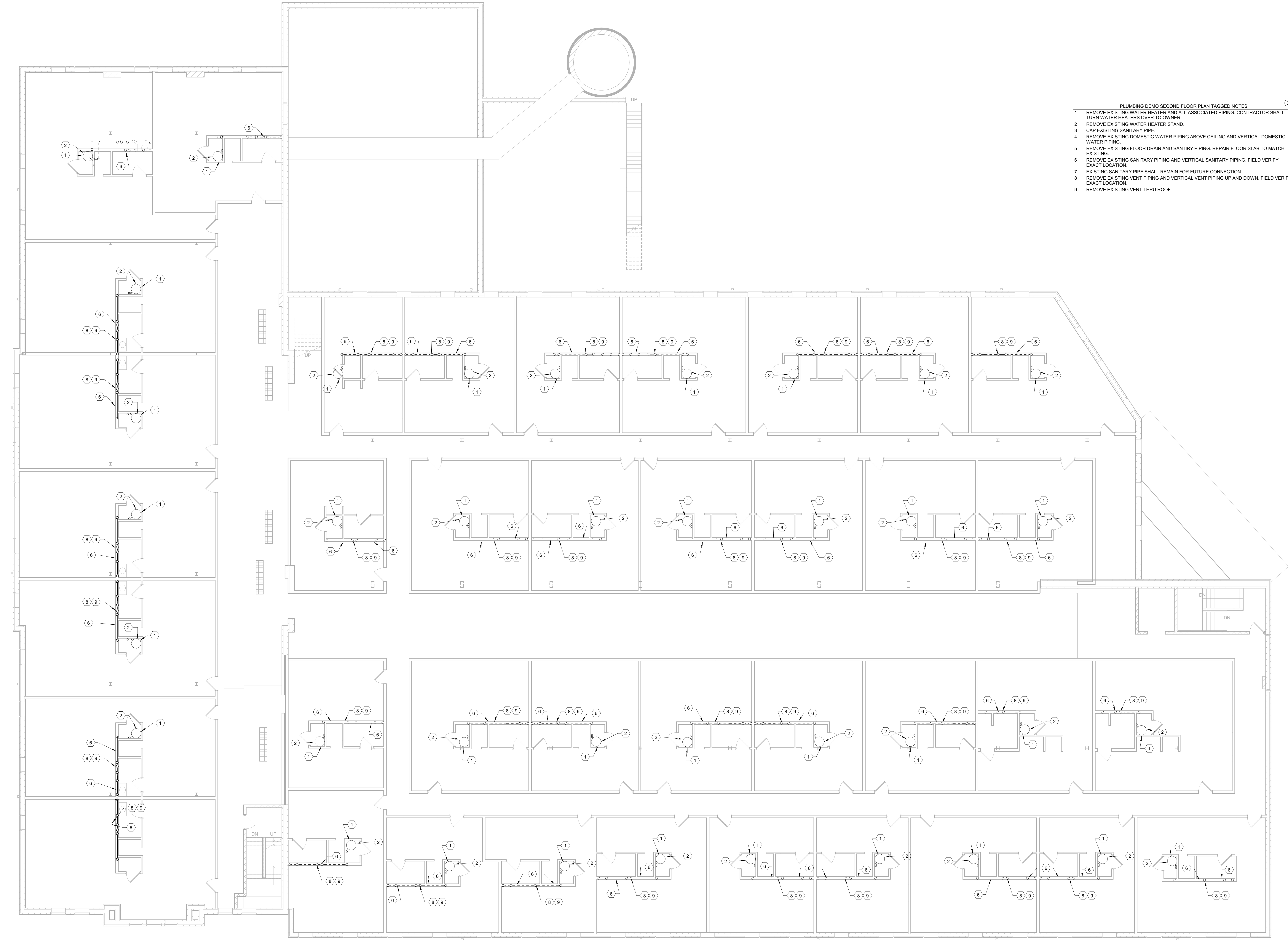


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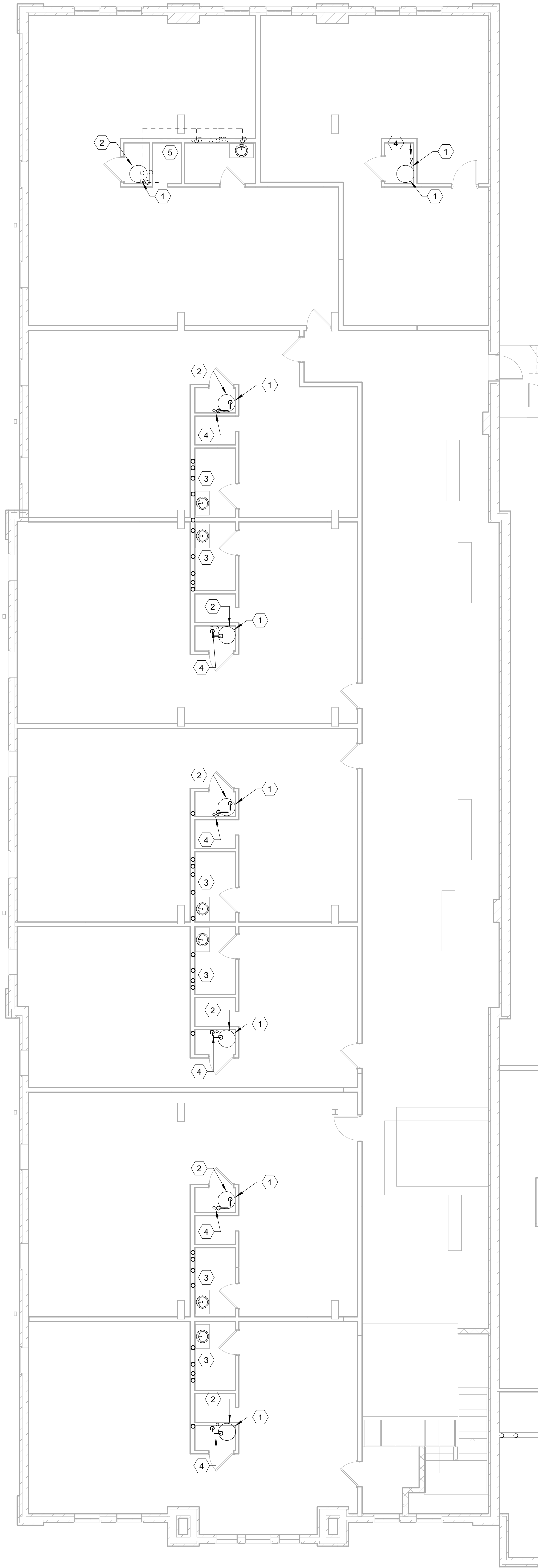
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1 PLUMBING DEMO SECOND FLOOR PLAN
1/8" = 1'-0"



- PLUMBING DEMO THIRD FLOOR PLAN TAGGED NOTES (X)
- 1 REMOVE EXISTING WATER HEATER AND ASSOCIATED PIPING. CONTRACTOR SHALL TURN WATER HEATER OVER TO OWNER.
 - 2 REMOVE EXISTING WATER HEATER STANDS.
 - 3 EXISTING SANITARY, VENT, CW, AND HW PIPING TO REMAIN.
 - 4 REMOVE EXISTING DOMESTIC WATER PIPING BACK TO MAIN.
 - 5 REMOVE SANITARY, VENT, CW, AND HW PIPING. REFER TO SHEET P2.2 FOR CONTINUATION.

1 PLUMBING DEMO THIRD FLOOR PLAN
1/8" = 1'-0"

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PLUMBING DEMO THIRD FLOOR PLAN

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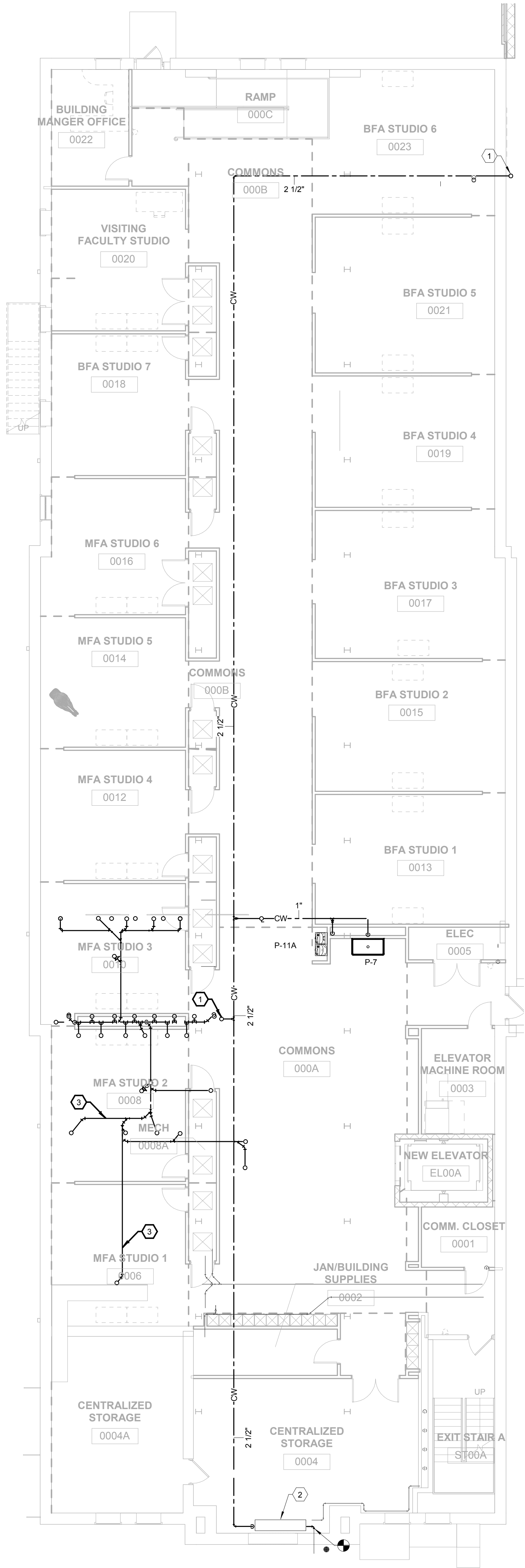


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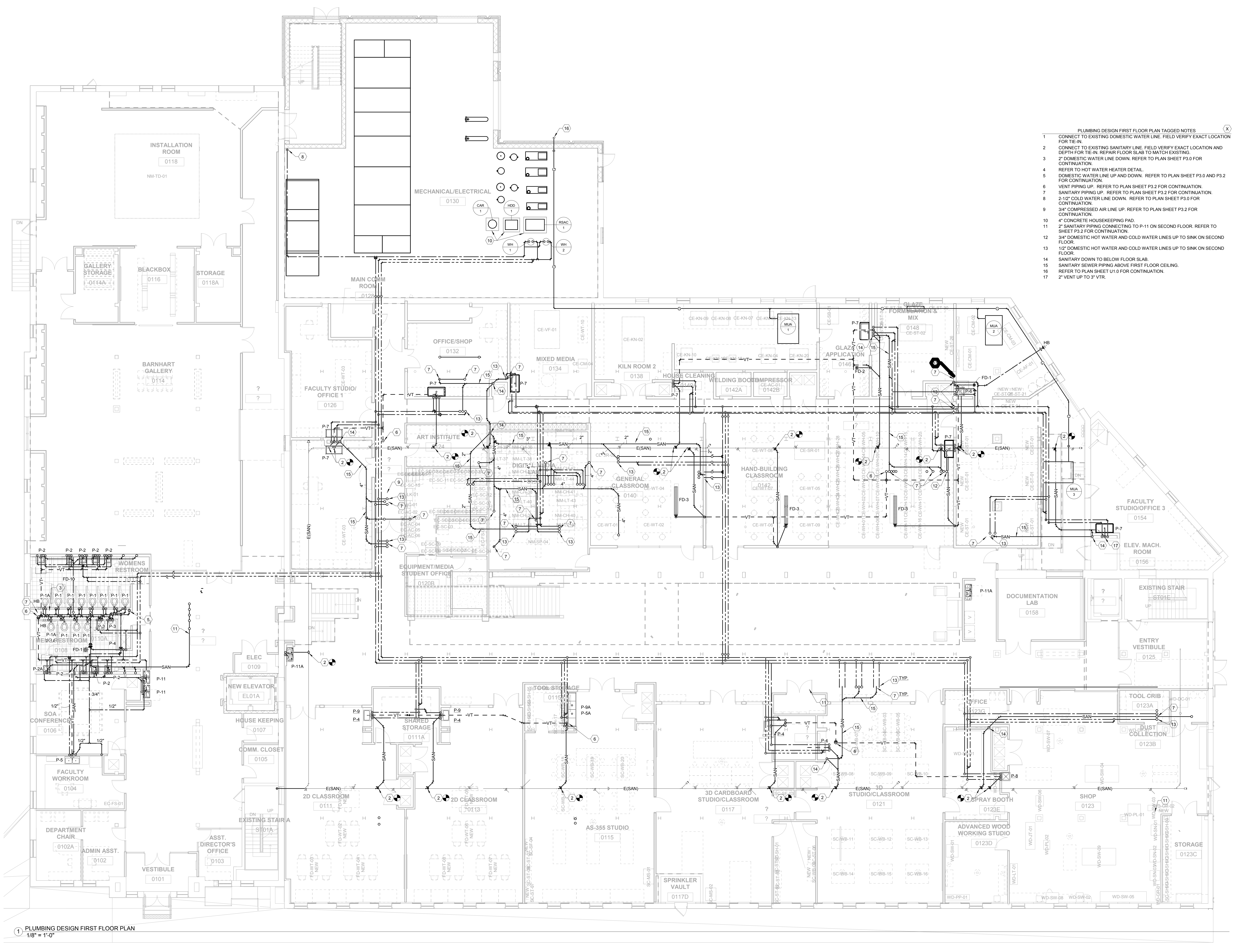
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PRE-DESIGN

P2.3



- PLUMBING DESIGN BASEMENT PLAN TAGGED NOTES
- 1 2-1/2" COLD WATER LINE UP. REFER TO PLAN SHEET P3.1 FOR CONTINUATION.
 - 2 DOMESTIC WATER ENTRANCE. REFER TO PIPING SCHEMATIC FOR DETAIL.
 - 3 SANITARY SEWER PIPING IN CEILING SPACE SERVING THE PLUMBING FIXTURES ON FIRST FLOOR.



1 PLUMBING DESIGN FIRST FLOOR PLAN
1/8" = 1'-0"

- PLUMBING DESIGN FIRST FLOOR PLAN TAGGED NOTES
- 1 CONNECT TO EXISTING DOMESTIC WATER LINE. FIELD VERIFY EXACT LOCATION FOR TIE-IN.
 - 2 CONNECT TO EXISTING SANITARY LINE. FIELD VERIFY EXACT LOCATION AND DEPTH FOR TIE-IN. REPAIR FLOOR SLAB TO MATCH EXISTING.
 - 3 2" DOMESTIC WATER LINE DOWN. REFER TO PLAN SHEET P3.0 FOR CONTINUATION.
 - 4 REFER TO HOT WATER HEATER DETAIL.
 - 5 DOMESTIC WATER LINE UP AND DOWN. REFER TO PLAN SHEET P3.0 AND P3.2 FOR CONTINUATION.
 - 6 VENT PIPING UP. REFER TO PLAN SHEET P3.2 FOR CONTINUATION.
 - 7 SANITARY PIPING UP. REFER TO PLAN SHEET P3.2 FOR CONTINUATION.
 - 8 2-1/2" COLD WATER LINE DOWN. REFER TO PLAN SHEET P3.0 FOR CONTINUATION.
 - 9 3/4" COMPRESSED AIR LINE UP. REFER TO PLAN SHEET P3.2 FOR CONTINUATION.
 - 10 4" CONCRETE HOUSEKEEPING PAD.
 - 11 2" SANITARY PIPING CONNECTING TO P-111 ON SECOND FLOOR. REFER TO SHEET P3.2 FOR CONTINUATION.
 - 12 3/4" DOMESTIC HOT WATER AND COLD WATER LINES UP TO SINK ON SECOND FLOOR.
 - 13 1/2" DOMESTIC HOT WATER AND COLD WATER LINES UP TO SINK ON SECOND FLOOR.
 - 14 SANITARY DOWN TO BELOW FLOOR SLAB.
 - 15 SANITARY SEWER PIPING ABOVE FIRST FLOOR CEILING.
 - 16 REFER TO PLAN SHEET U1.0 FOR CONTINUATION.
 - 17 2" VENT UP TO 3" VTR.

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PLUMBING DESIGN FIRST FLOOR PLAN

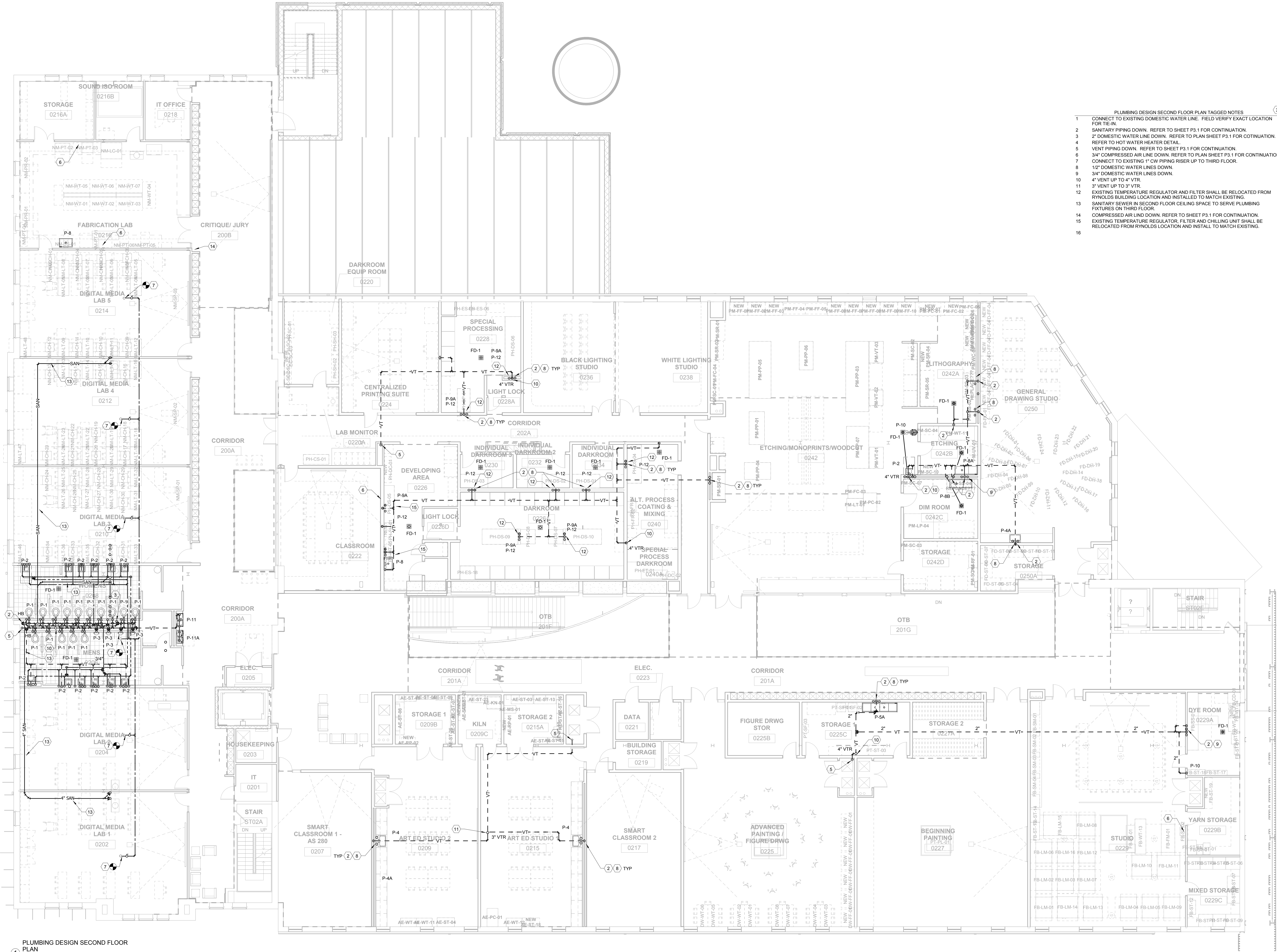
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PLUMBING DESIGN SECOND FLOOR
PLAN
1/8" = 1'-0"

- PLUMBING DESIGN SECOND FLOOR PLAN TAGGED NOTES (X)
- CONNECT TO EXISTING DOMESTIC WATER LINE. FIELD VERIFY EXACT LOCATION FOR TIE-IN.
 - SANITARY PIPING DOWN. REFER TO SHEET P3.1 FOR CONTINUATION.
 - 2" DOMESTIC WATER LINE DOWN. REFER TO PLAN SHEET P3.1 FOR CONTINUATION.
 - REFER TO HOT WATER HEATER DETAIL.
 - VENT PIPING DOWN. REFER TO SHEET P3.1 FOR CONTINUATION.
 - 3/4" COMPRESSED AIR LINE DOWN. REFER TO PLAN SHEET P3.1 FOR CONTINUATION.
 - CONNECT TO EXISTING 1" CW PIPING RISER UP TO THIRD FLOOR.
 - 12" DOMESTIC WATER LINES DOWN.
 - 3/4" DOMESTIC WATER LINES DOWN.
 - 4" VENT UP TO 4" VTR.
 - 3" VENT UP TO 3" VTR.
 - EXISTING TEMPERATURE REGULATOR AND FILTER SHALL BE RELOCATED FROM RYNOLDS BUILDING LOCATION AND INSTALLED TO MATCH EXISTING.
 - SANITARY SEWER IN SECOND FLOOR CEILING SPACE TO SERVE PLUMBING FIXTURES ON THIRD FLOOR.
 - COMPRESSED AIR LINE DOWN. REFER TO SHEET P3.1 FOR CONTINUATION.
 - EXISTING TEMPERATURE REGULATOR, FILTER AND CHILLING UNIT SHALL BE RELOCATED FROM RYNOLDS LOCATION AND INSTALL TO MATCH EXISTING.
 -

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PLUMBING DESIGN SECOND FLOOR PLAN

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PRE-DESIGN

P3.2

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PLUMBING DESIGN THIRD FLOOR PLAN



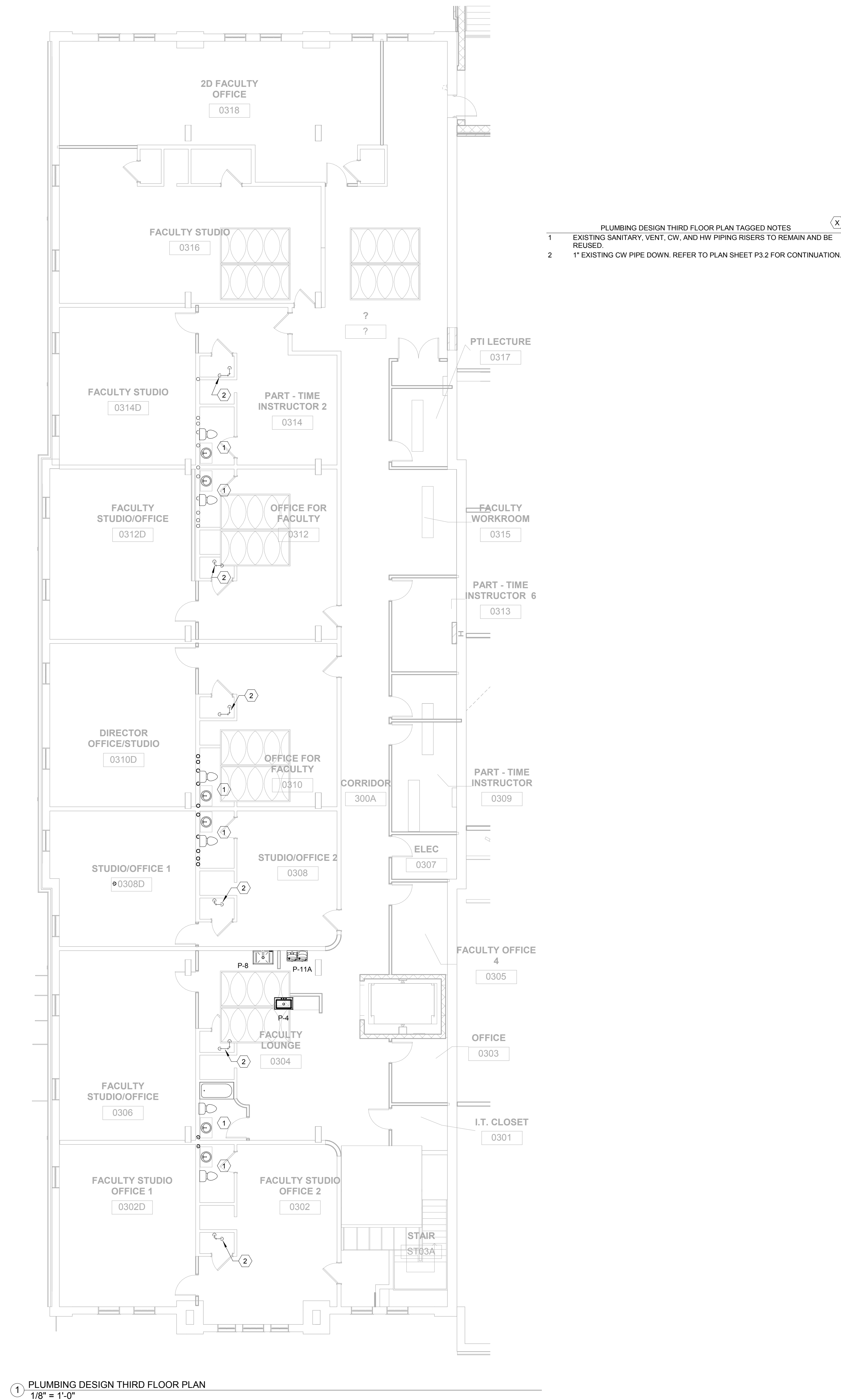
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PRE-DESIGN

P3.3



PLUMBING DESIGN THIRD FLOOR PLAN TAGGED NOTES

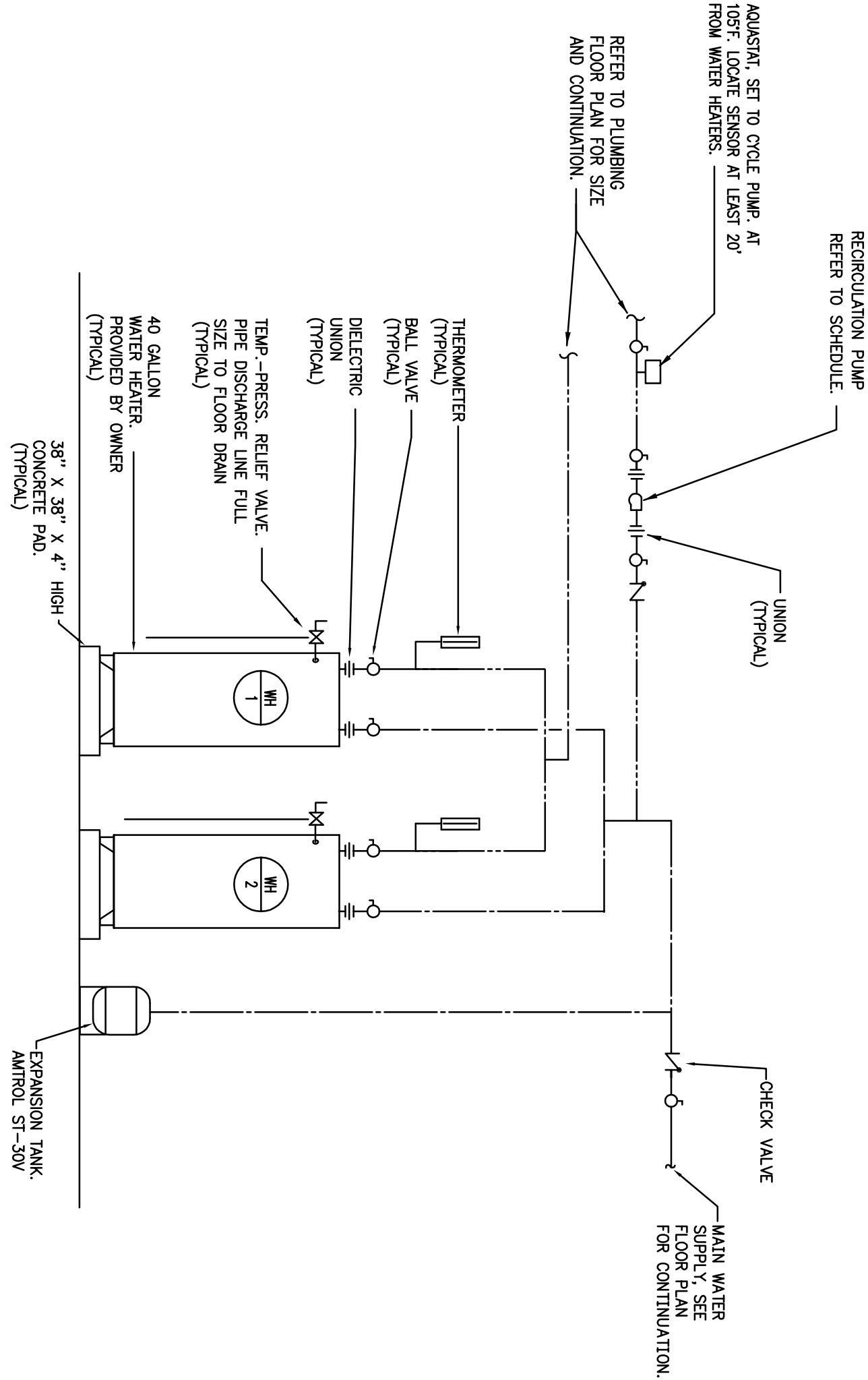
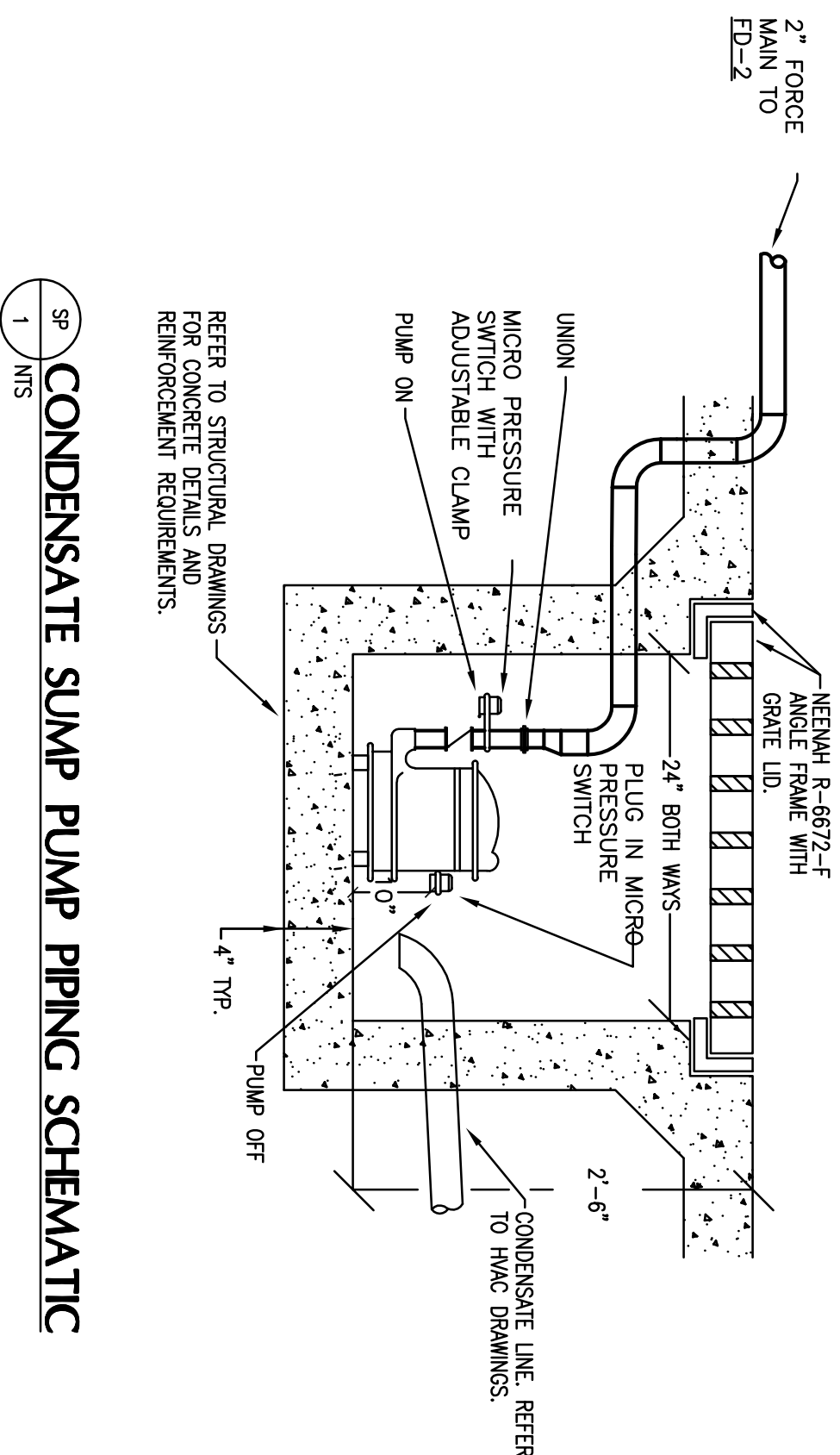
- | | |
|---|--|
| 1 | EXISTING SANITARY, VENT, CW, AND HW PIPING RISERS TO REMAIN AND BE REUSED. |
| 2 | 1" EXISTING CW PIPE DOWN. REFER TO PLAN SHEET P3.2 FOR CONTINUATION. |

WATER HEATER SCHEDULE						
WATER	MANUFACTURER MODEL	SERVICE	STORAGE (GAL.)	ELECT. INPUT (KW)	ELECTRICAL (VOLT/PH)	REMARKS
WH-1	DOSING WH	120T	65	4.5	208/3	1, 2, 3, 4, 5, 6
WH-2	DOSING WH	120T	65	4.5	208/3	1, 2, 3, 4, 5, 6

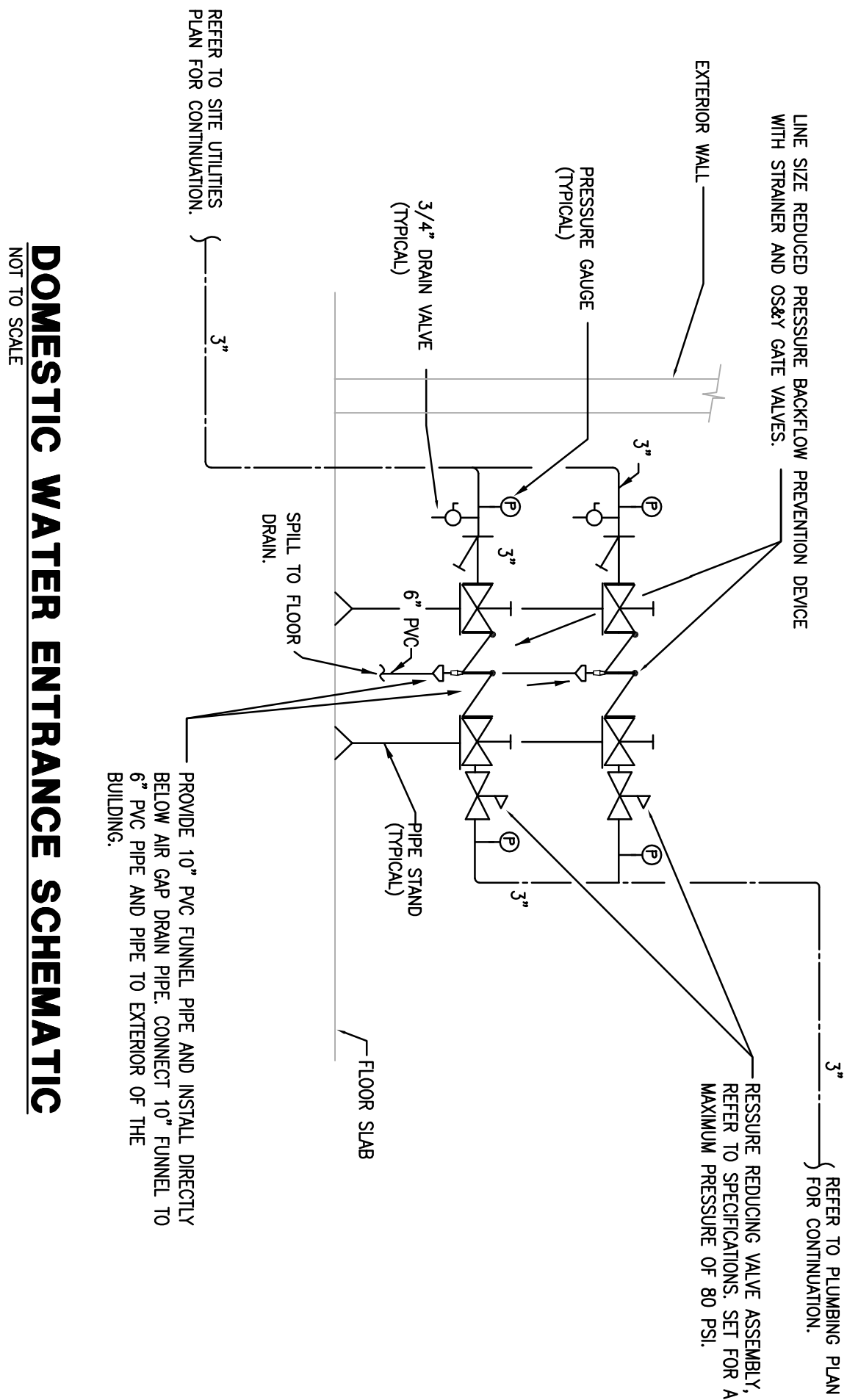
1. SINGLE POINT ELECTRICAL CONNECTION,
2. DUAL NON-SIMULTANEOUS ELECTRIC HEATING ELEMENTS,
3. EQUUS SHALL INCLUDE A.O. SMITH, BRADFORD WHITE, STATE AND RHEEM
4. 98% EFFICIENCY.
5. ALL PLUMBING EQUIPMENT SHALL COMPLY WITH THE LATEST PROVISIONS OF KBC.
6. 3 FLOW INSULATION R VALUE 24.0.

PUMP SCHEDULE							
MARK	MANUFACTURER MODEL	SERVICE	HP	HEAD LOSS (FT)	GPM	ELECTRICAL (VOLT/PH)	REMARKS
PR-1	BELL & GOSSETT PL-30	1257 REPAIR	1/12	15	10	115/1	1, 2, 3, 4, 5
SP-1	WELLS 1400	ELV SUMPS	1/3	24	10	115/1	1, 3, 6, 7

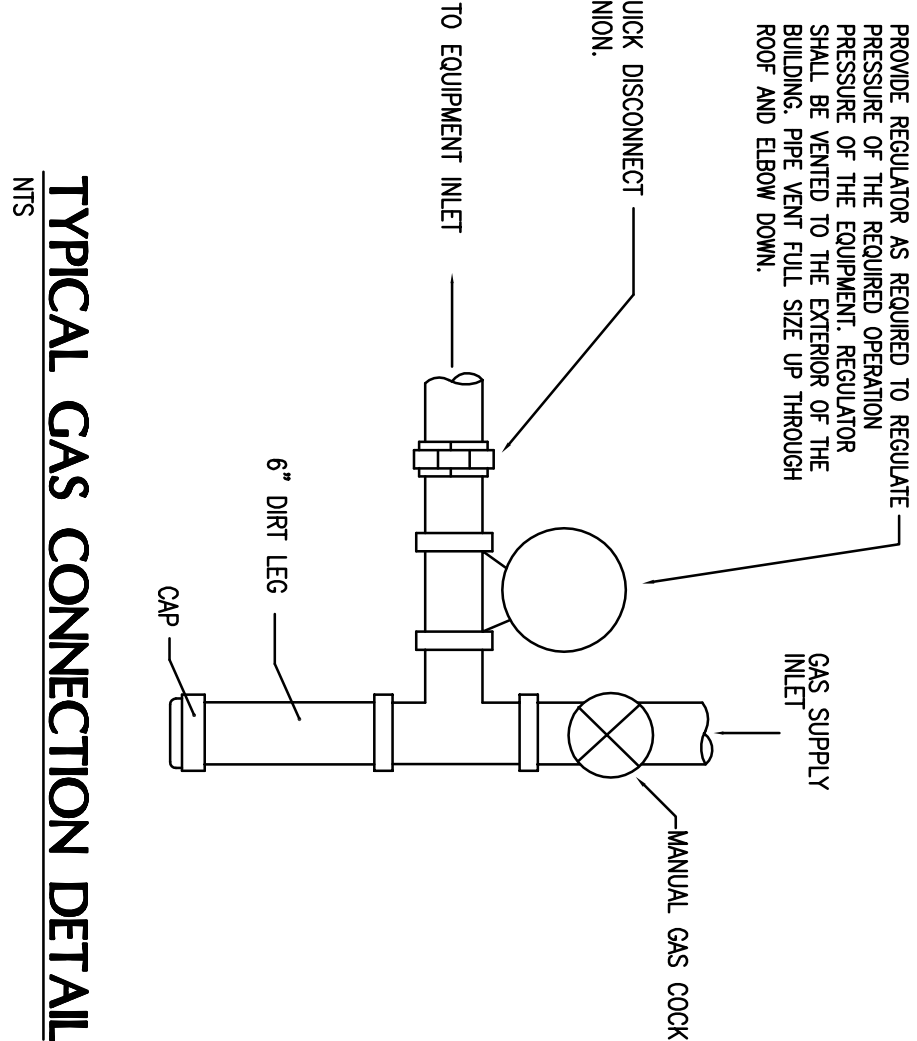
1. SINGLE POINT ELECTRICAL CONNECTION.
2. BRONZE PUMP BODY FOR POTABLE WATER APPLICATION.
3. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
4. PROVIDE WITH AQUISTAT CONTROLLER.
5. EQUUS SHALL INCLUDE THRUSS AND ARMSTRONG.
6. EQUUS SHALL INCLUDE ZOLLER.
7. PROVIDE PUMP WITH ELECTRIC PLUG-IN CORD.



TYPICAL DUAL WATER HEATERS PIPING SCHEMATIC



DOMESTIC WATER ENTRANCE SCHEMATIC



TYPICAL GAS CONNECTION DETAIL