

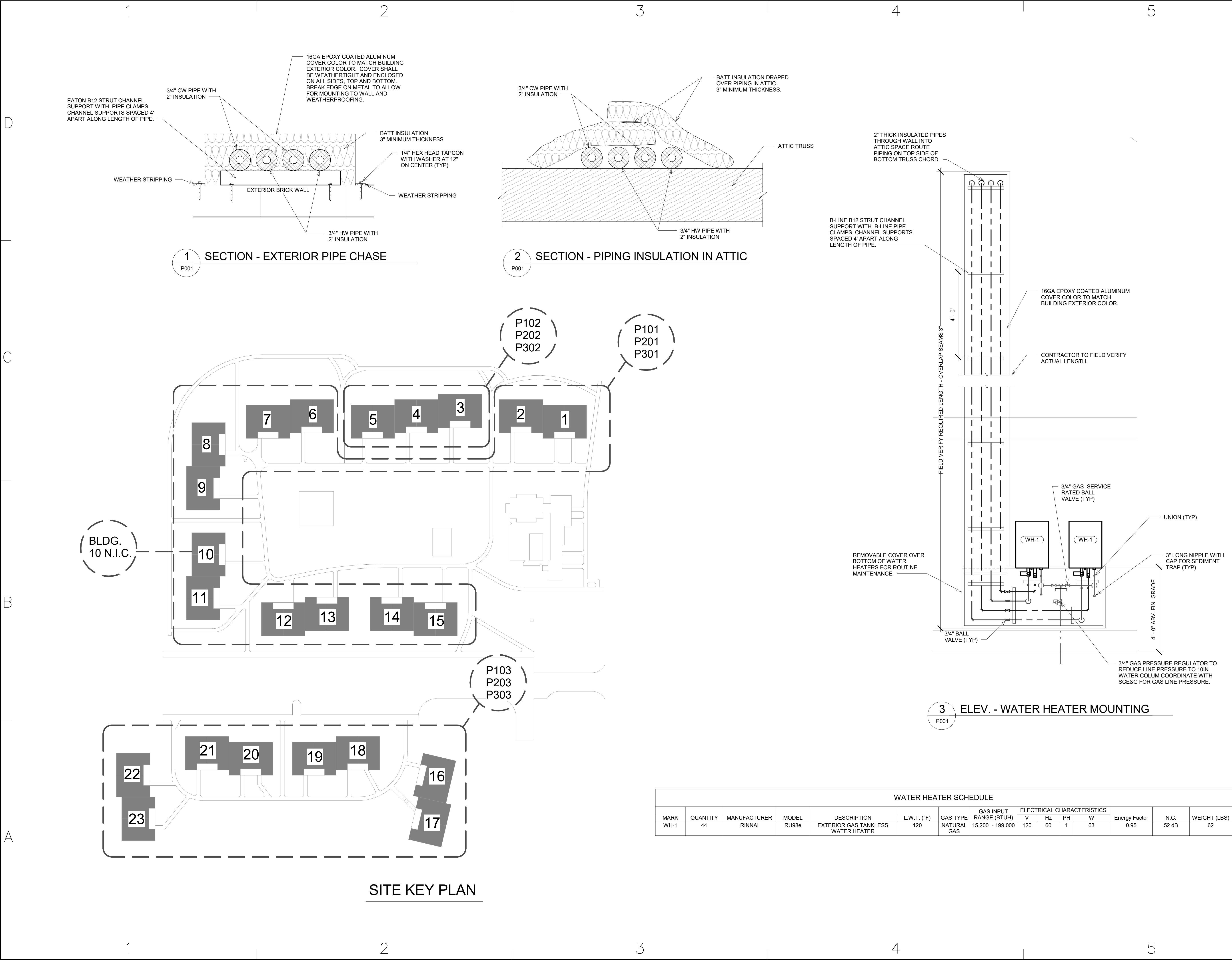


PACER DOWNS HOT WATER REPLACEMENT H29-I353

SCHEDULE OF DRAWINGS

P301	PLUMBING ISOMETRIC
P302	PLUMBING ISOMETRIC
P303	PLUMBING ISOMETRIC





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PACER DOWNS HOT WATER REPLACEMENT H29-I353

471 UNIVERSITY PKWY
AIKEN, SC 29801

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0	4/21/17	ISSUED FOR BID

PROJECT NO: 612-1701
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SHEET TITLE
PLUMBING SCHEDULE AND DETAILS

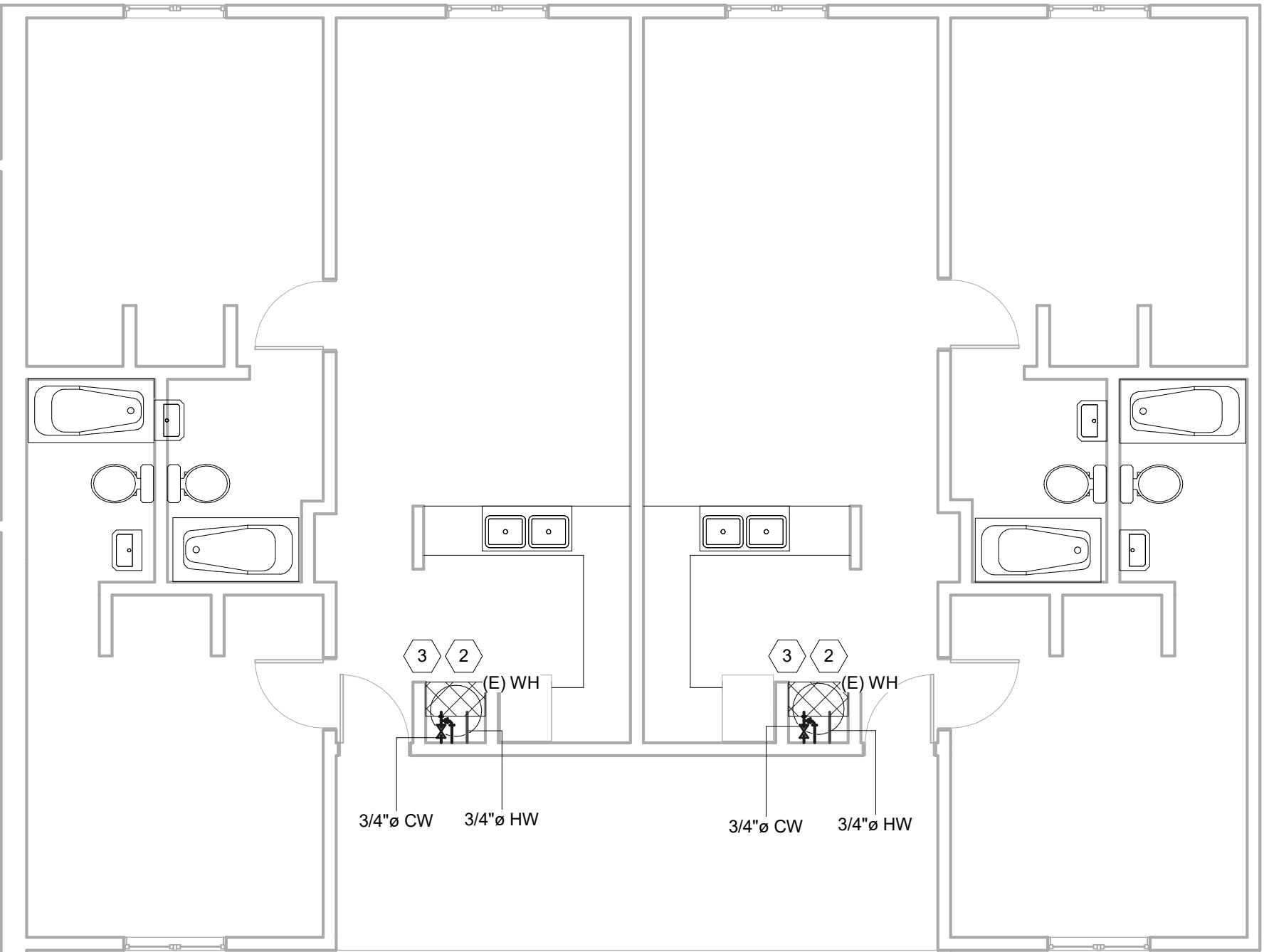
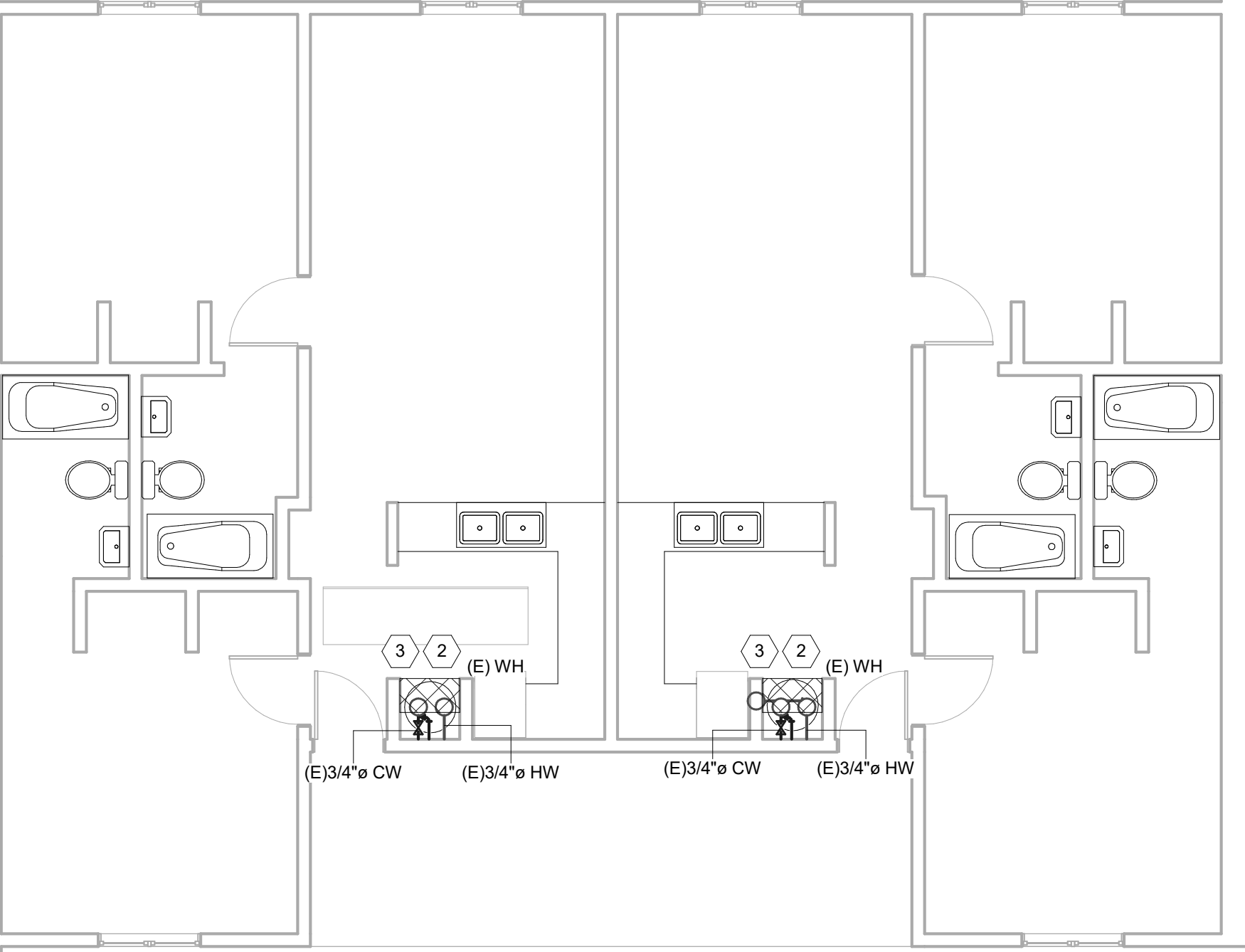
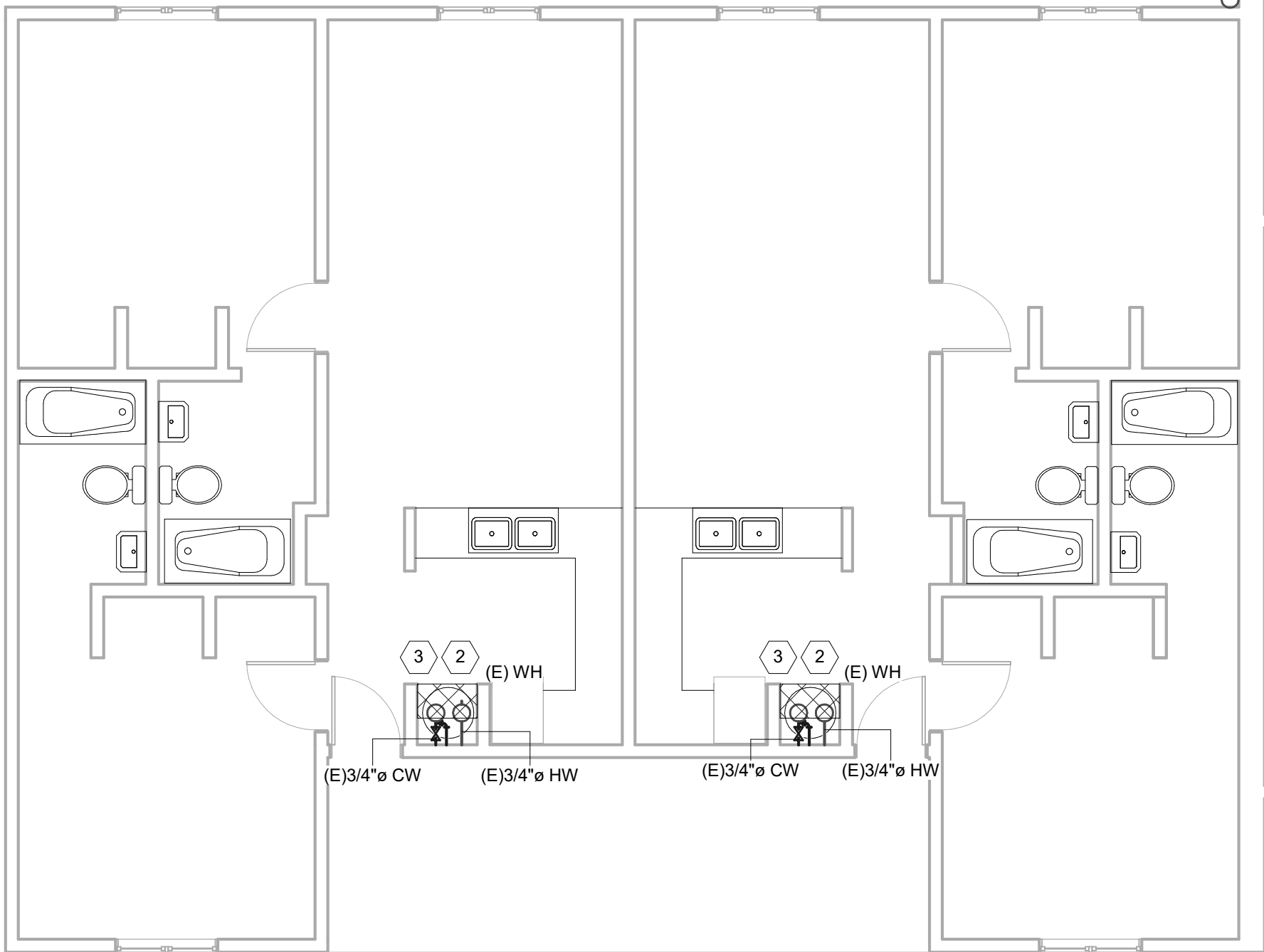
P001

- DEMOLITION KEYNOTES:
(THIS SHEET ONLY)
- 1

DEMO & REMOVE EXISTING WATER HEATER AND EXISTING DOMESTIC COLD AND HOT WATER PIPING UP TO EXISTING ELBOW AND PREPARE PIPING FOR NEW WORK. SELECTIVE DEMO EXISTING GYPSUM BOARD BETWEEN STUDS TO ALLOW FOR NEW PIPING INSTALLATION. DEMO SHALL BE NEAT AND WORKMANLIKE WITH PARALELL AND PERPENDICUALR CUTS AS WALL WILL NOT BE REPAIRED UNDER THIS CONTRACT.
- 2

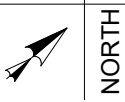
DEMO & REMOVE EXISTING WATER HEATER AND EXISTING DOMESTIC COLD AND HOT WATER PIPING UP TO EXISTING ELBOW. PREPARE DOMESTIC COLD WATER AND DOMESTIC HOT WATER PIPING FOR NEW WORK. SELECTIVE DEMO EXISTING GYPSUM BOARD BETWEEN STUDS TO ALLOW FOR NEW PIPING INSTALLATION. DEMO SHALL BE NEAT AND WORKMANLIKE WITH PARALELL AND PERPENDICUALR CUTS AS WALL WILL NOT BE REPAIRED UNDER THIS CONTRACT.
- 3

IN ALL UNITS WHERE TANK TYPE WATER HEATERS ARE BEING REMOVED, DISCONNECT EXISTING CONDUCTORS FROM HEATER, INSTALL NEW JUNCTION BOX WITH BLANK COVER, SURFACE MOUNTED TO WALL. PROVIDE WIRE NUTS ON CONDUCTOR ENDS. TURN BREAKER OFF AND LABEL AS SPARE EXCEPT AS NOTED OTHERWISE.

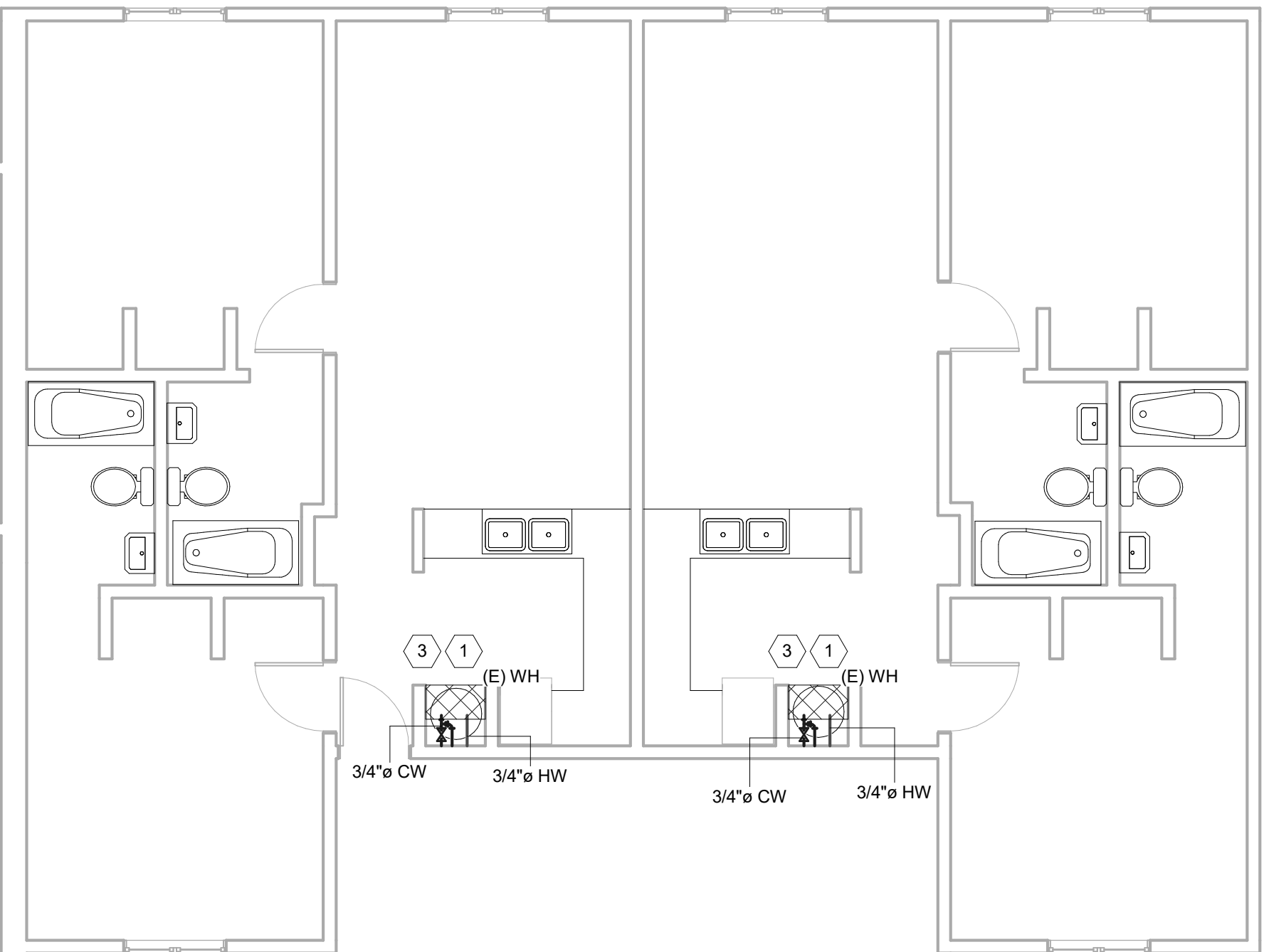
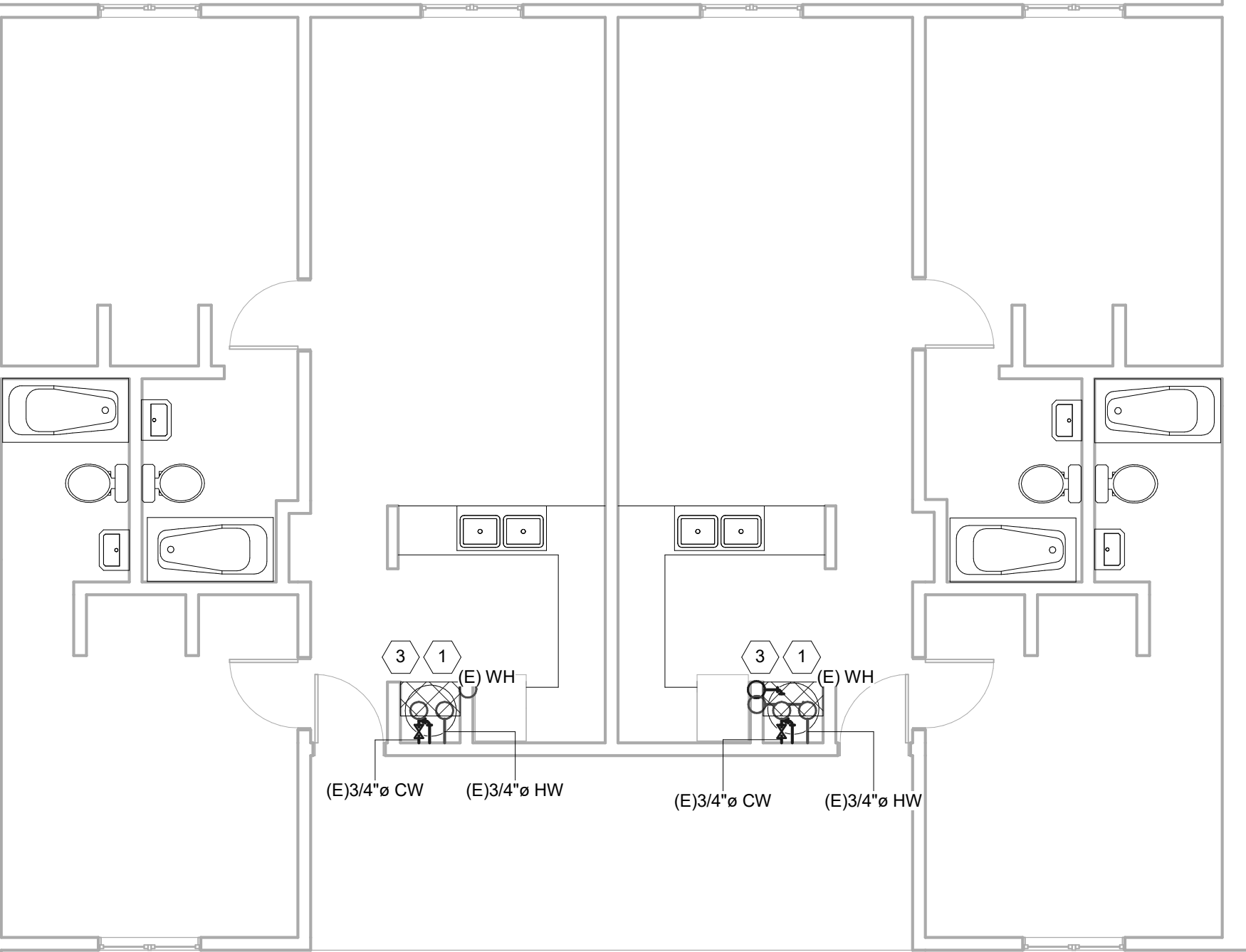
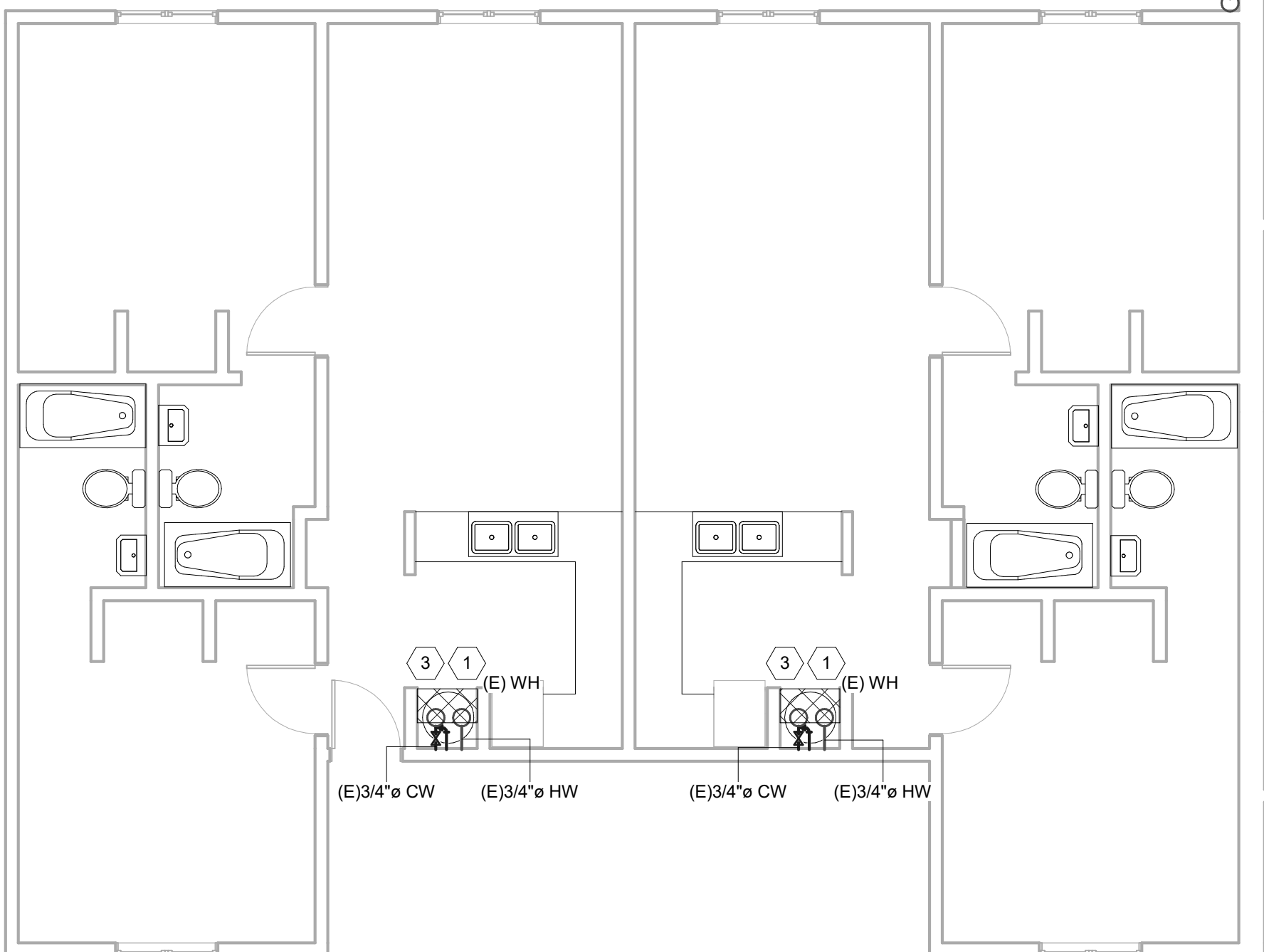


1 1ST FLOOR PLUMBING DEMOLITION

P102 3/16" = 1'-0"

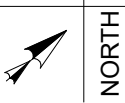


NOTE: THIS FLOOR PLAN IS TYPICAL OF 1 AND APPLIES TO BUILDING NUMBER 3/4/5.



2 2ND FLOOR PLUMBING DEMOLITION

P102 3/16" = 1'-0"



NOTE: THIS FLOOR PLAN IS TYPICAL OF 1 AND APPLIES TO BUILDING NUMBER 3/4/5.



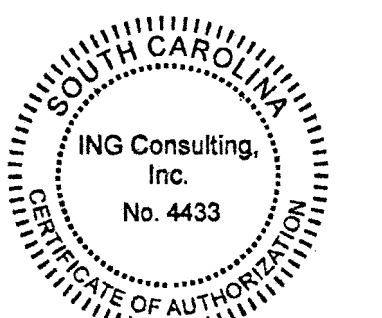
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PACER DOWNS HOT
WATER
REPLACEMENT
H29-I353

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SHEET TITLE
**PLUMBING
DEMOLITION PLANS**

P102

1

2

3

4

5

DEMOLITION KEYNOTES:

(THIS SHEET ONLY)

1

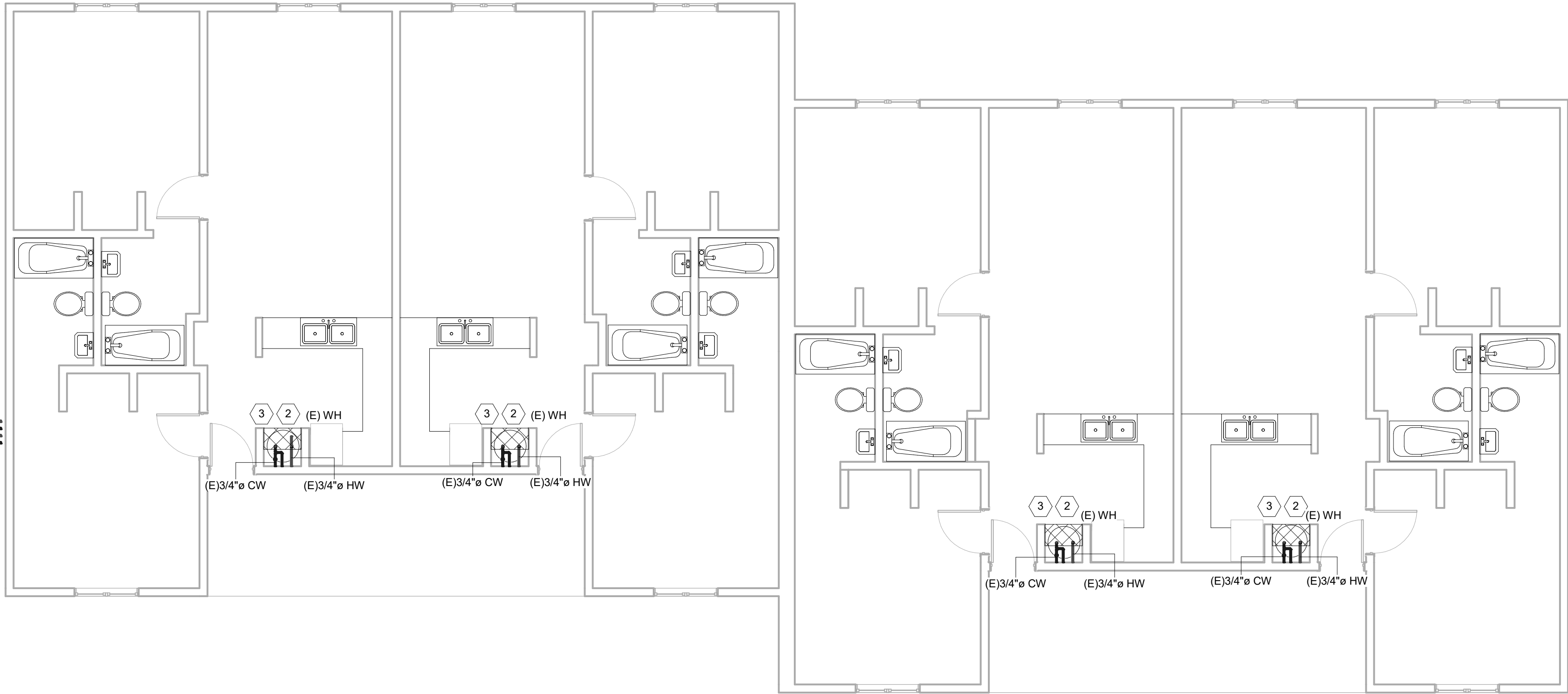
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3

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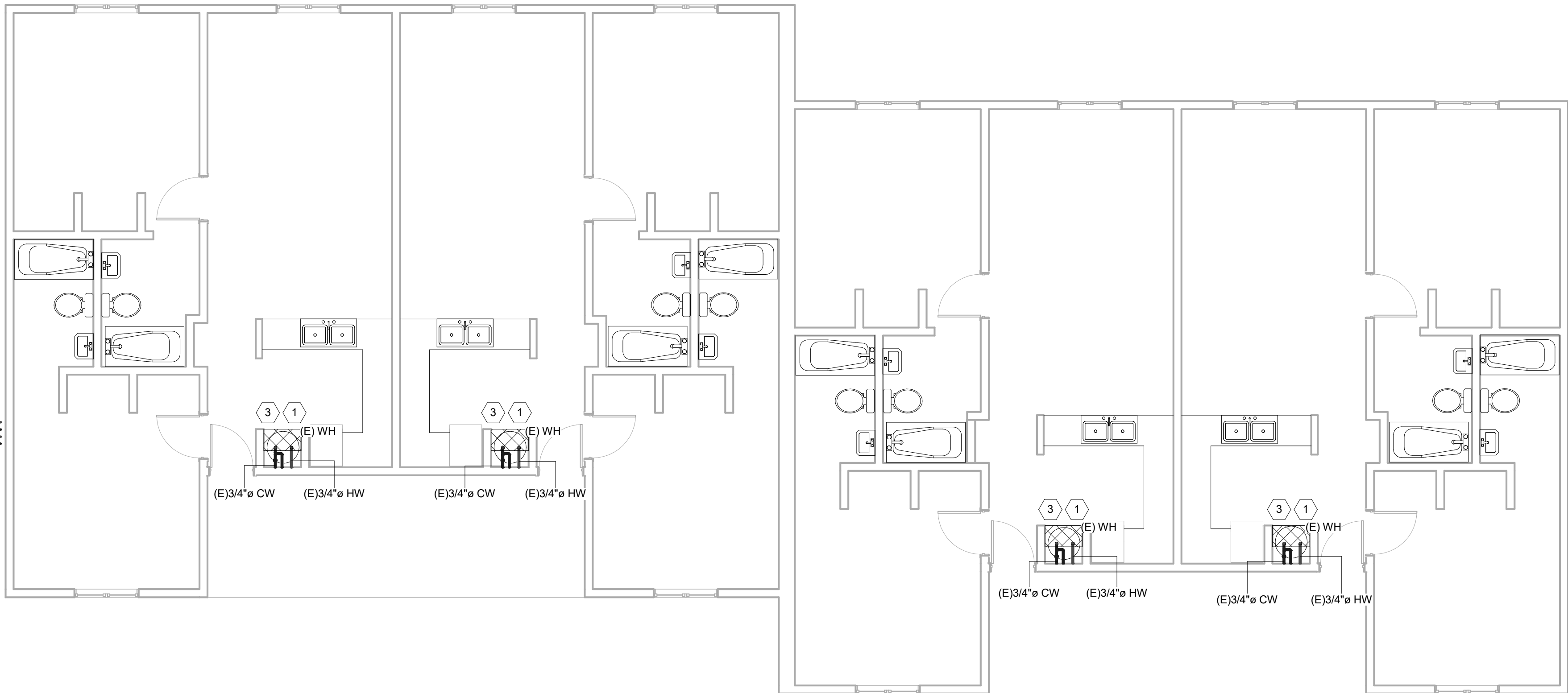


1 1ST FLOOR PLUMBING DEMOLITION

P103 3/16" = 1'-0"



NOTE: THIS FLOOR PLAN IS TYPICAL OF 4 AND APPLIES TO BUILDING NUMBERS 16/17, 18/19, 20/21, AND 22/23.



2 2ND FLOOR PLUMBING DEMOLITION

P103 3/16" = 1'-0"



NOTE: THIS FLOOR PLAN IS TYPICAL OF 4 AND APPLIES TO BUILDING NUMBERS 16/17, 18/19, 20/21, AND 22/23.

1

2

3

4

5



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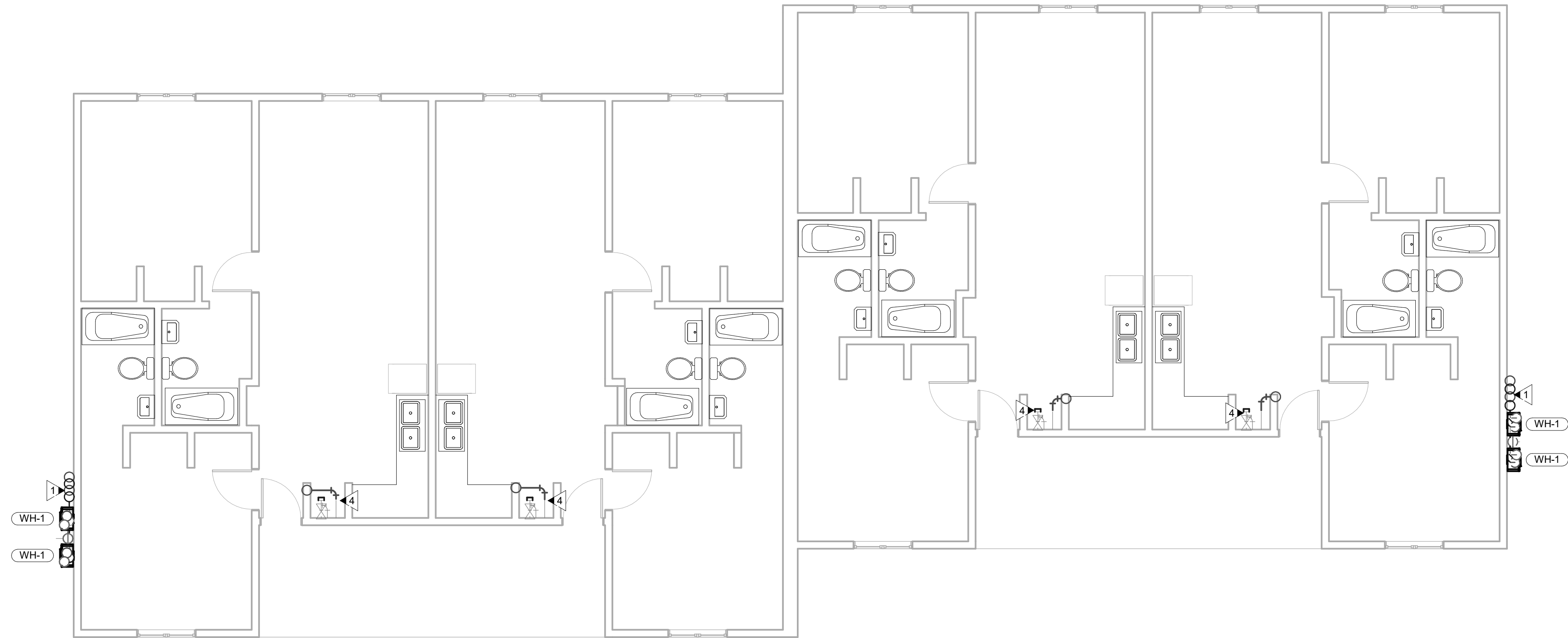
PLUMBING DEMOLITION PLANS

P103

1 2 3 4 5

NEW WORK KEYNOTES: (THIS SHEET ONLY)

- 1 ROUTE DOMESTIC WATER PIPING CONCEALED WITHIN ALUMINUM COVER (SEE DETAIL) UP WALL TO PENETRATION INTO ATTIC AREA.
- 2 ROUTE PIPING ALONG TOP OF BOTTOM TRUSS CHORD IN ATTIC SPACE. COVER WITH INSULATION BLANKET PER DETAIL.
- 3 TEE EXISTING 3/4" DOMESTIC COLD WATER PIPING AND ROUTE NEW 3/4" HOT WATER PIPING FROM WH-1; CONNECT TO NEW ASSE 1070 THERMOSTATIC MIXING VALVE IN MECHANICAL CLOSET. CONNECT NEW 3/4" TEMPERED WATER OUTLET TO EXISTING 3/4" HOT WATER PIPING SERVING APARTMENT. ROUTE AND CONNECT NEW 3/4" DOMESTIC COLD WATER OFF TEE TO EXTERIOR WATER HEATER, WH-1. THERMOSTATIC MIXING VALVE SHALL BE EQUAL TO WATTS LFMMV-CPVC-M1.
- 4 CONNECT EXISTING 3/4" DOMESTIC COLD WATER PIPING AND ROUTE NEW 3/4" HOT WATER PIPING FROM APARTMENT ABOVE; CONNECT TO NEW ASSE 1070 THERMOSTATIC MIXING VALVE IN MECHANICAL CLOSET. CONNECT NEW 3/4" TEMPERED WATER OUTLET TO EXISTING 3/4" HOT WATER PIPING SERVING APARTMENT. THERMOSTATIC MIXING VALVE SHALL BE EQUAL TO WATTS LFMMV-CPVC-M1.
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- 6 AT NEW WATER HEATER LOCATIONS, PROVIDE A NEW 20 AMP, 120 VOLT CIRCUIT FOR EACH TWO (2) WATER HEATERS FROM EXISTING PANEL IN UPSTAIRS APARTMENT. PROVIDE #12/2 WITH GROUND TYPE "NM" CABLE WITHIN ALUMINUM PIPING COVER ON EXTERIOR WALL. ROUTE THRU ATTIC AND FISH IN WALL AT PANEL LOCATION. REMOVE EXISTING 30 AMP, 2 POLE BREAKER (OLD WATER HEATER) AND REPLACE WITH NEW 20 AMP, 1 POLE BREAKER TO FEED NEW HEATERS AND LABEL. PROVIDE BLANK FILLER IN PANEL COVER.



1 1ST FLOOR PLUMBING NEW WORK

P201 3/16" = 1'-0"



NOTE: THIS FLOOR PLAN IS TYPICAL OF 6 AND APPLIES TO BUILDING NUMBERS 1/2, 6/7, 8/9, 12/13, AND 14/15. BUILDING 10/11 IS SIMILAR WITH ONLY BUILDING 11 REQUIRING NEW WORK. BUILDING 10 NOT IN CONTRACT.

D

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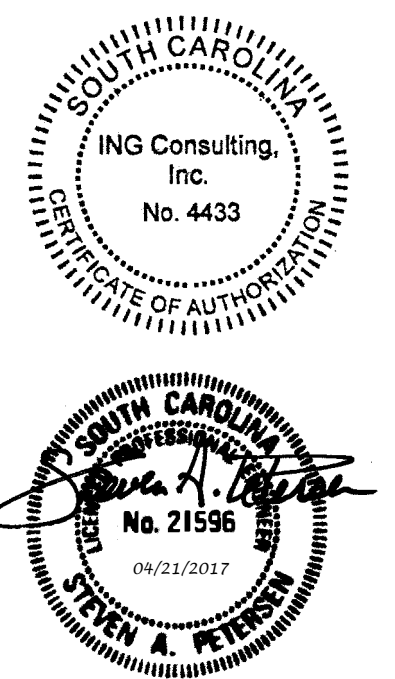


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H29-I353

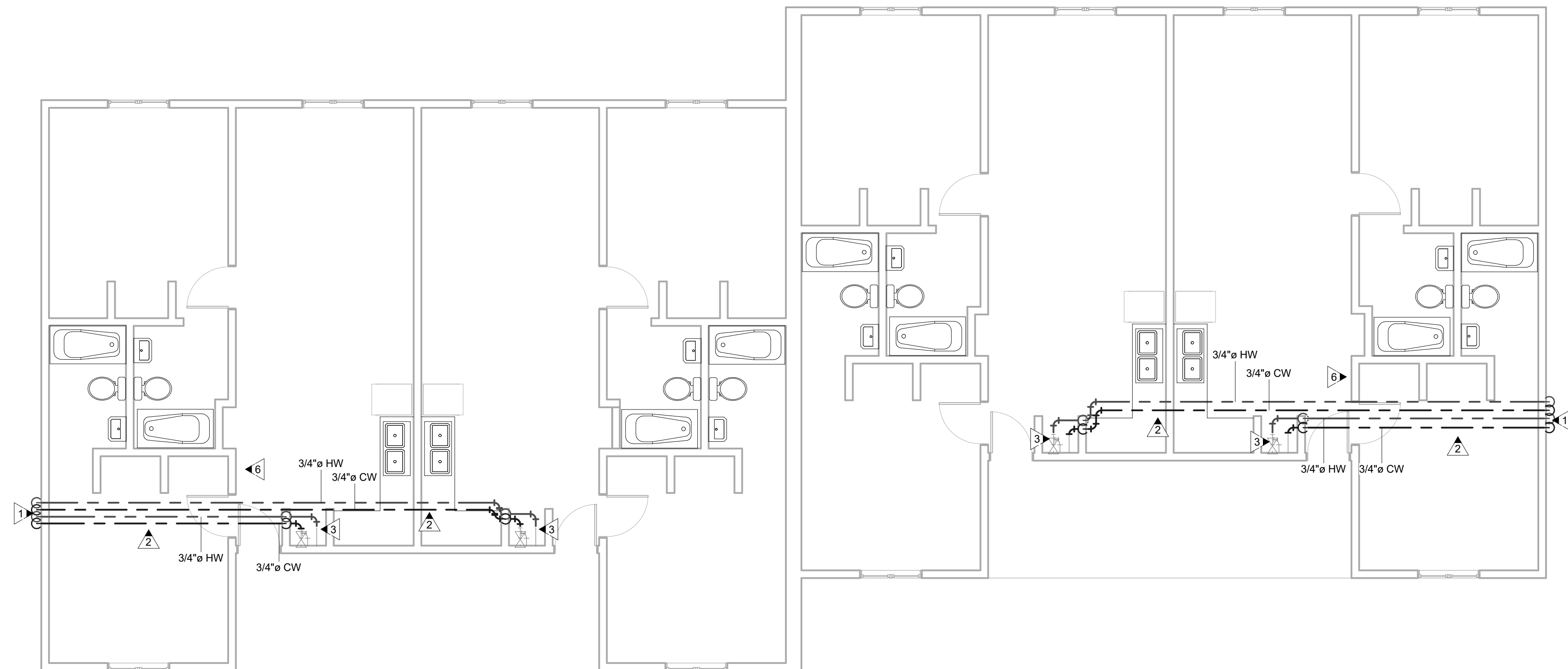
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B

B

A

A



2 2ND FLOOR PLUMBING NEW WORK

P201 3/16" = 1'-0"



NOTE: THIS FLOOR PLAN IS TYPICAL OF 6 AND APPLIES TO BUILDING NUMBERS 1/2, 6/7, 8/9, 12/13, AND 14/15. BUILDING 10/11 IS SIMILAR WITH ONLY BUILDING 11 REQUIRING NEW WORK. BUILDING 10 NOT IN CONTRACT.

1 2 3 4 5

SHEET TITLE

PLUMBING NEW WORK PLANS

P201

- NEW WORK KEYNOTES: (THIS SHEET ONLY)
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D

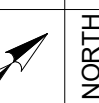
C

B

A

1 1ST FLOOR PLUMBING NEW WORK

P202 3/16" = 1'-0"



NOTE: THIS FLOOR PLAN IS TYPICAL OF 1 AND APPLIES TO BUILDING NUMBER 3/4/5.

2 2ND FLOOR PLUMBING NEW WORK

P202 3/16" = 1'-0"



NOTE: THIS FLOOR PLAN IS TYPICAL OF 1 AND APPLIES TO BUILDING NUMBER 3/4/5.



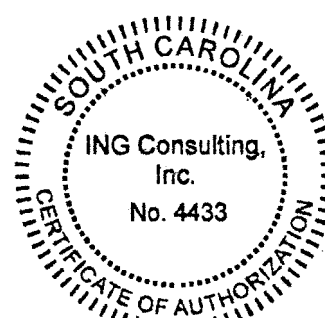
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H29-I353

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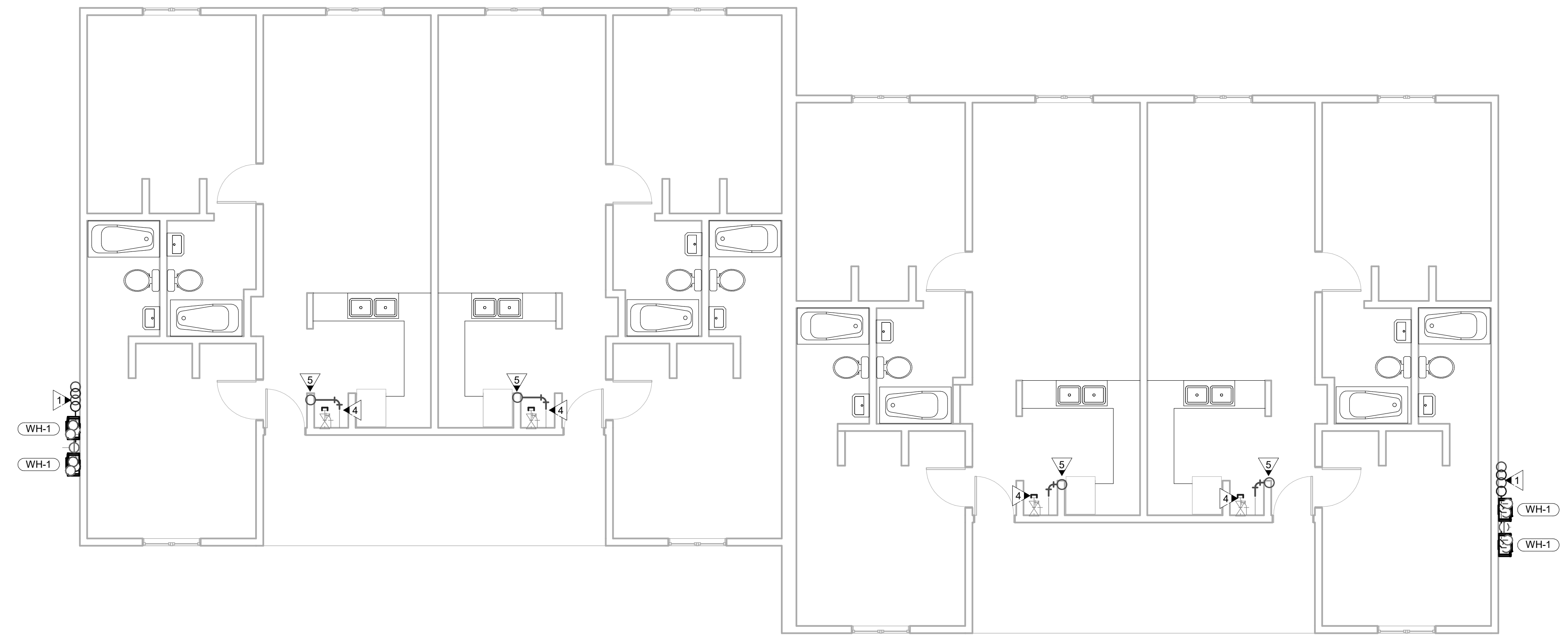
PLUMBING NEW WORK PLANS

P202

1 2 3 4 5

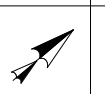
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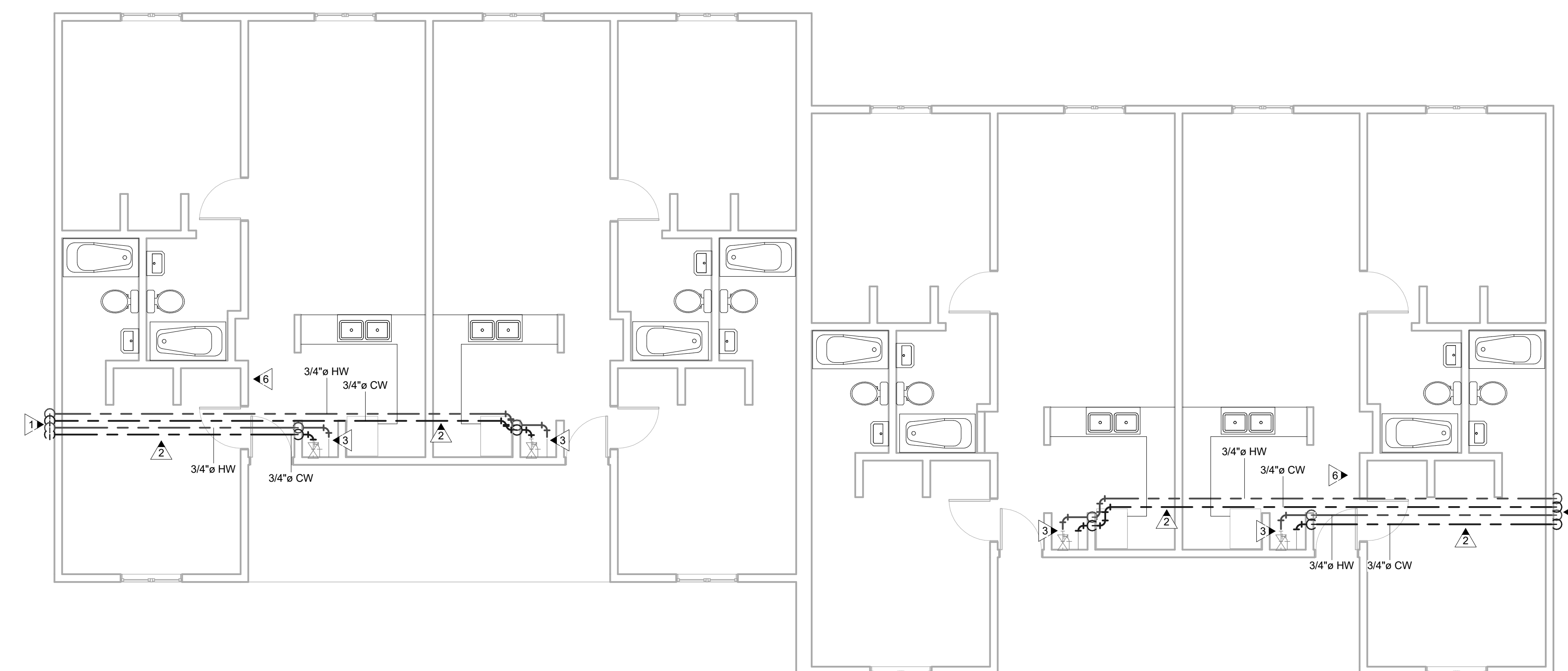


1 1ST FLOOR PLUMBING NEW WORK

P203 3/16" = 1'-0"

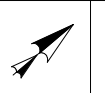


NOTE: THIS FLOOR PLAN IS TYPICAL OF 4 AND APPLIES TO BUILDING NUMBERS 16/17, 18/19, 20/21, AND 22/23.



2 2ND FLOOR PLUMBING NEW WORK

P203 3/16" = 1'-0"



NOTE: THIS FLOOR PLAN IS TYPICAL OF 4 AND APPLIES TO BUILDING NUMBERS 16/17, 18/19, 20/21, AND 22/23.

1 2 3 4 5

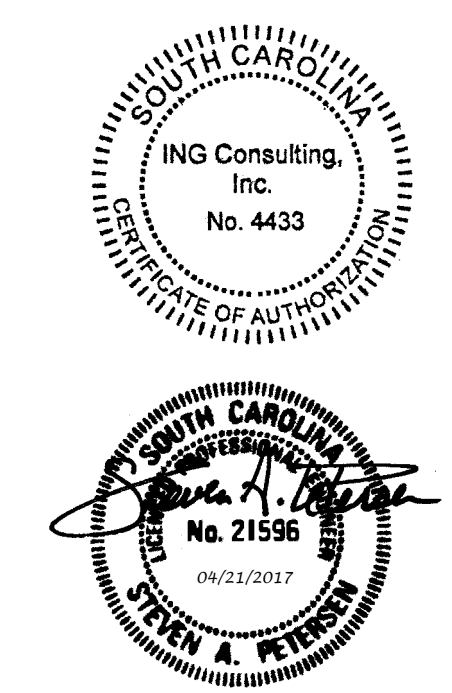


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PLUMBING NEW WORK PLANS

P203

- NEW WORK KEYNOTES:

(THIS SHEET ONLY)

1

INSULATE EXTERIOR DOMESTIC COLD AND HOT WATER PIPING WITH 2" ARMAFLEX PIPE INSULATION. COVER INSULATED PIPING EXPOSED ALONG EXTERIOR WALL WITH INSULATED EPOXY PAINTED ALUMINUM COVER (SEE DETAIL). COLOR TO MATCH EXISTING EXTERIOR WALL MATERIAL COLOR.

2

ROUTE PIPING ALONG TOP OF BOTTOM TRUSS CHORD IN ATTIC SPACE. COVER WITH INSULATION BLANKET PER DETAIL.

3

TEE EXISTING 3/4" DOMESTIC COLD WATER PIPING AND ROUTE NEW 3/4" HOT WATER PIPING FROM WH-1; CONNECT TO NEW ASSE 1070 THERMOSTATIC MIXING VALVE IN MECHANICAL CLOSET. CONNECT NEW 3/4" TEMPERED WATER OUTLET TO EXISTING 3/4" HOT WATER PIPING SERVING APARTMENT. ROUTE AND CONNECT NEW 3/4" DOMESTIC COLD WATER OFF TEE TO EXTERIOR WATER HEATER, WH-1. THERMOSTATIC MIXING VALVE SHALL BE EQUAL TO WATTS LFMMV-CPVC-M1.

4

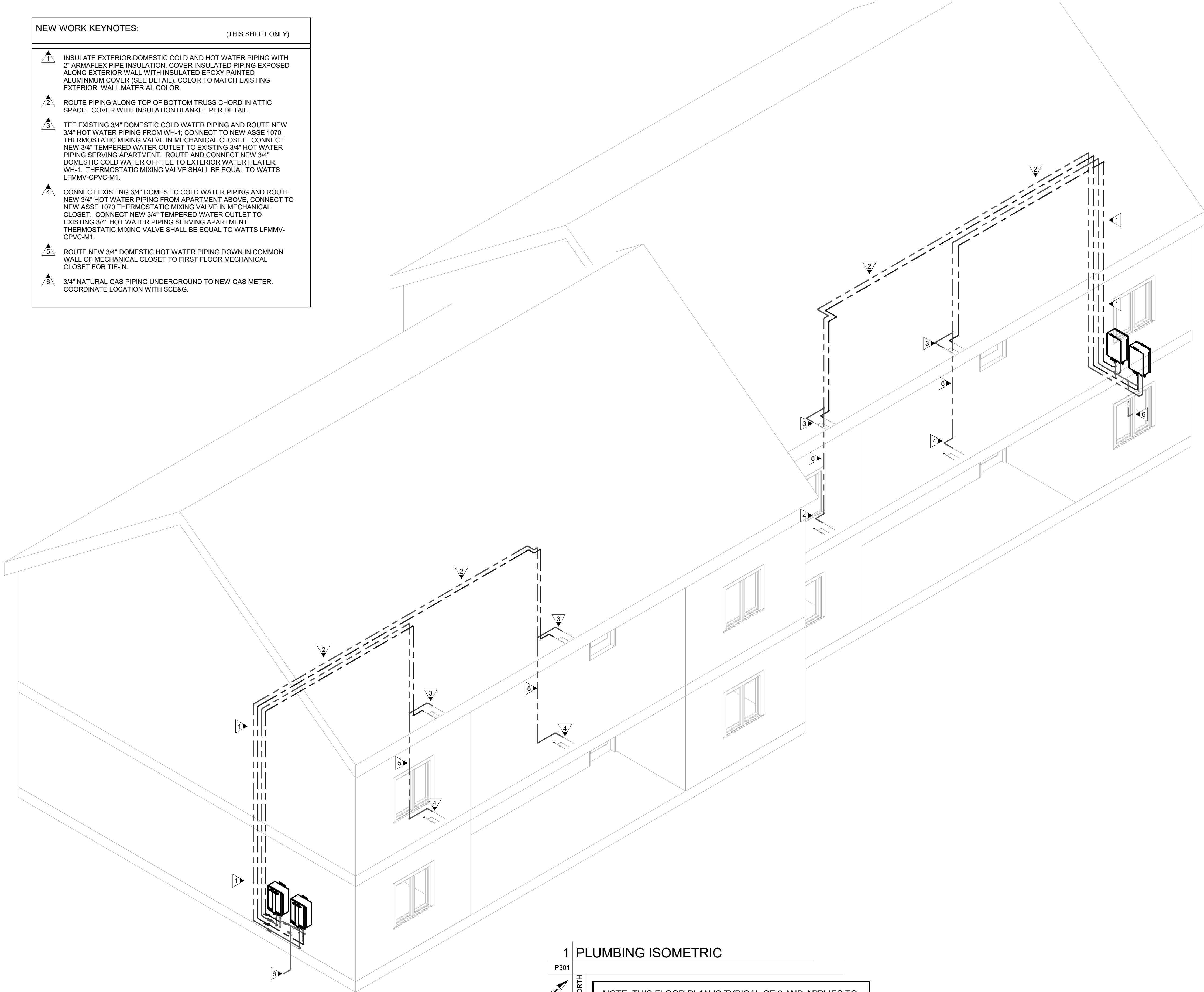
CONNECT EXISTING 3/4" DOMESTIC COLD WATER PIPING AND ROUTE NEW 3/4" HOT WATER PIPING FROM APARTMENT ABOVE; CONNECT TO NEW ASSE 1070 THERMOSTATIC MIXING VALVE IN MECHANICAL CLOSET. CONNECT NEW 3/4" TEMPERED WATER OUTLET TO EXISTING 3/4" HOT WATER PIPING SERVING APARTMENT. THERMOSTATIC MIXING VALVE SHALL BE EQUAL TO WATTS LFMMV-CPVC-M1.

5

ROUTE NEW 3/4" DOMESTIC HOT WATER PIPING DOWN IN COMMON WALL OF MECHANICAL CLOSET TO FIRST FLOOR MECHANICAL CLOSET FOR TIE-IN.

6

3/4" NATURAL GAS PIPING UNDERGROUND TO NEW GAS METER. COORDINATE LOCATION WITH SCE&G.



1 PLUMBING ISOMETRIC

P301

NORTH

NOTE: THIS FLOOR PLAN IS TYPICAL OF 6 AND APPLIES TO BUILDING NUMBERS 1/2, 6/7, 8/9, 12/13, AND 14/15. BUILDING 10/11 IS SIMILAR WITH ONLY BUILDING 11 REQUIRING NEW WORK. BUILDING 10 NOT IN CONTRACT.



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SHEET TITLE

PLUMBING ISOMETRIC

P301

- NEW WORK KEYNOTES:

(THIS SHEET ONLY)

1

INSULATE EXTERIOR DOMESTIC COLD AND HOT WATER PIPING WITH 2" ARMAFLEX PIPE INSULATION. COVER INSULATED PIPING EXPOSED ALONG EXTERIOR WALL WITH INSULATED EPOXY PAINTED ALUMINUM COVER (SEE DETAIL). COLOR TO MATCH EXISTING EXTERIOR WALL MATERIAL COLOR.

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ROUTE PIPING ALONG TOP OF BOTTOM TRUSS CHORD IN ATTIC SPACE. COVER WITH INSULATION BLANKET PER DETAIL.

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4

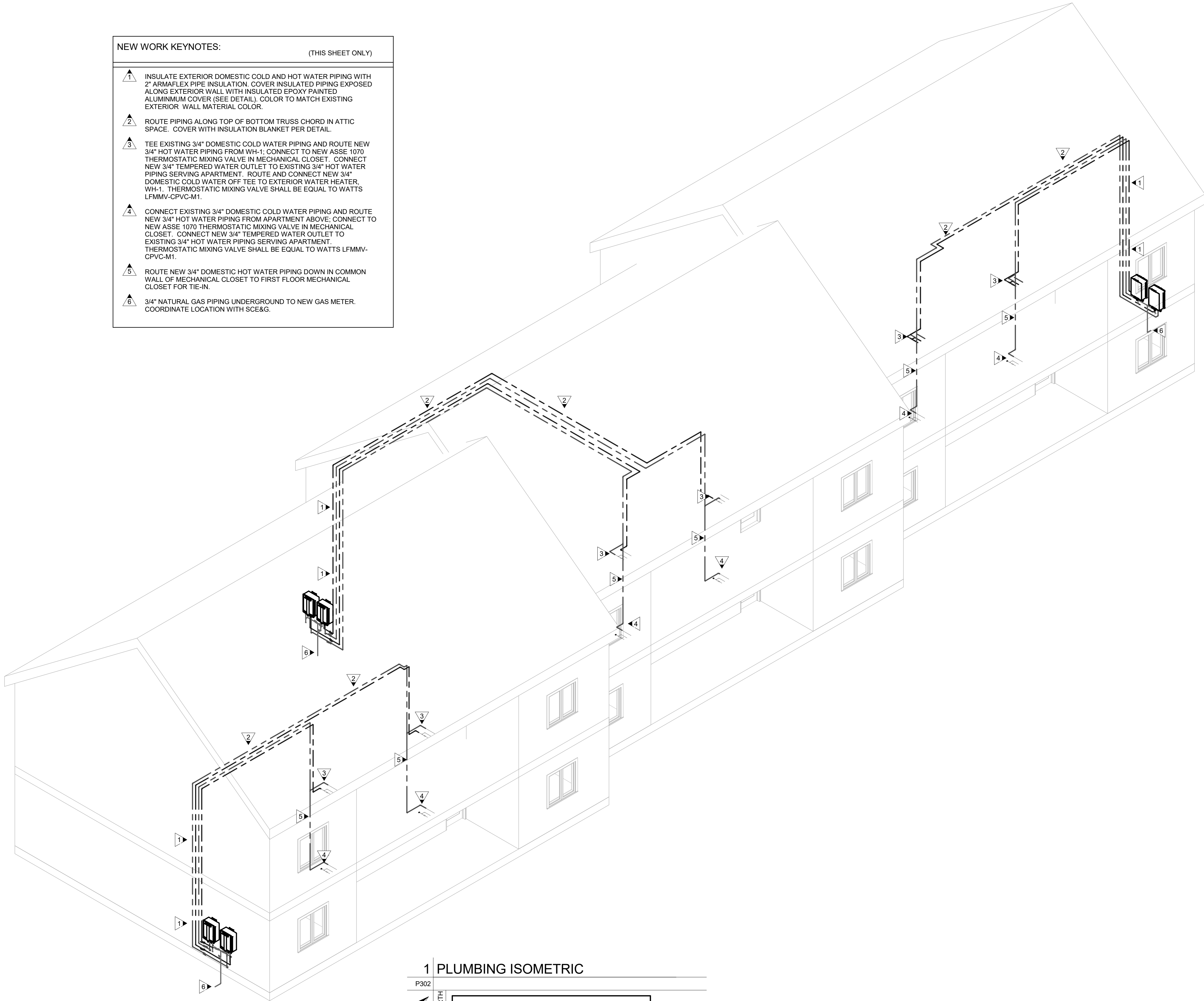
CONNECT EXISTING 3/4" DOMESTIC COLD WATER PIPING AND ROUTE NEW 3/4" HOT WATER PIPING FROM APARTMENT ABOVE; CONNECT TO NEW ASSE 1070 THERMOSTATIC MIXING VALVE IN MECHANICAL CLOSET. CONNECT NEW 3/4" TEMPERED WATER OUTLET TO EXISTING 3/4" HOT WATER PIPING SERVING APARTMENT. THERMOSTATIC MIXING VALVE SHALL BE EQUAL TO WATTS LFMMV-CPVC-M1.

5

ROUTE NEW 3/4" DOMESTIC HOT WATER PIPING DOWN IN COMMON WALL OF MECHANICAL CLOSET TO FIRST FLOOR MECHANICAL CLOSET FOR TIE-IN.

6

3/4" NATURAL GAS PIPING UNDERGROUND TO NEW GAS METER. COORDINATE LOCATION WITH SCE&G.



1 PLUMBING ISOMETRIC

P302

NORTH

NOTE: THIS FLOOR PLAN IS TYPICAL OF 1 AND APPLIES TO BUILDING NUMBER 3/4/5.



HVAC | Plumbing | Fire Protection
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PACER DOWNS HOT WATER REPLACEMENT H29-I353

471 UNIVERSITY PKWY
AIKEN, SC 29801

0	4/21/17	ISSUED FOR BID
MARK	DATE	DESCRIPTION
PROJECT NO: 612-1701		
CAD DWG FILE:		
DRAWN BY: RCS		
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SHEET TITLE

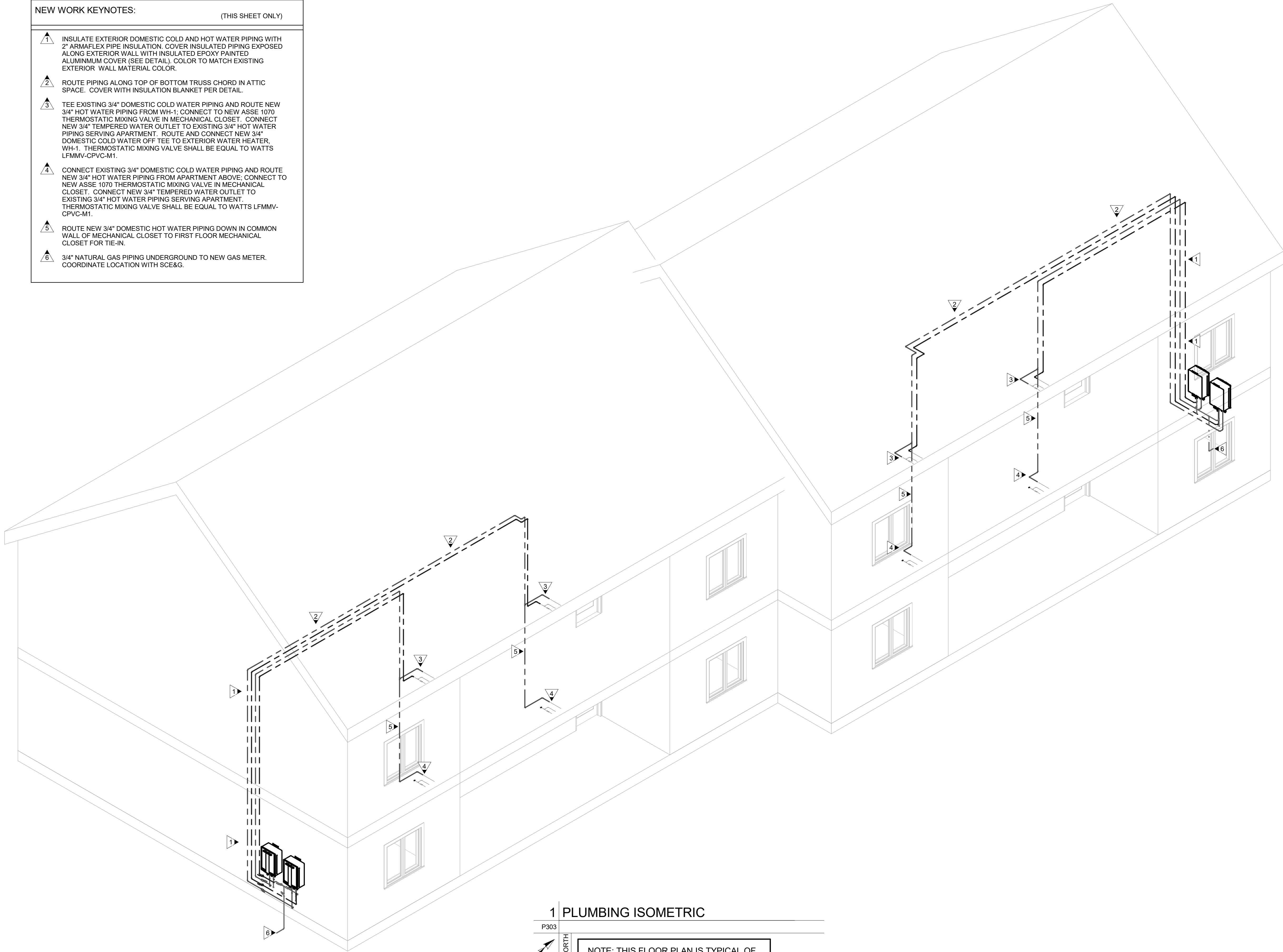
PLUMBING ISOMETRIC

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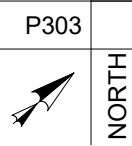
1 2 3 4 5

NEW WORK KEYNOTES:
(THIS SHEET ONLY)

- 1 INSULATE EXTERIOR DOMESTIC COLD AND HOT WATER PIPING WITH 2" ARMAFLEX PIPE INSULATION. COVER INSULATED PIPING EXPOSED ALONG EXTERIOR WALL WITH INSULATED EPOXY PAINTED ALUMINUM COVER (SEE DETAIL). COLOR TO MATCH EXISTING EXTERIOR WALL MATERIAL COLOR.
- 2 ROUTE PIPING ALONG TOP OF BOTTOM TRUSS CHORD IN ATTIC SPACE. COVER WITH INSULATION BLANKET PER DETAIL.
- 3 TEE EXISTING 3/4" DOMESTIC COLD WATER PIPING AND ROUTE NEW 3/4" HOT WATER PIPING FROM WH-1; CONNECT TO NEW ASSE 1070 THERMOSTATIC MIXING VALVE IN MECHANICAL CLOSET. CONNECT NEW 3/4" TEMPERED WATER OUTLET TO EXISTING 3/4" HOT WATER PIPING SERVING APARTMENT. ROUTE AND CONNECT NEW 3/4" DOMESTIC COLD WATER OFF TEE TO EXTERIOR WATER HEATER, WH-1. THERMOSTATIC MIXING VALVE SHALL BE EQUAL TO WATTS LFMMV-CPVC-M1.
- 4 CONNECT EXISTING 3/4" DOMESTIC COLD WATER PIPING AND ROUTE NEW 3/4" HOT WATER PIPING FROM APARTMENT ABOVE; CONNECT TO NEW ASSE 1070 THERMOSTATIC MIXING VALVE IN MECHANICAL CLOSET. CONNECT NEW 3/4" TEMPERED WATER OUTLET TO EXISTING 3/4" HOT WATER PIPING SERVING APARTMENT. THERMOSTATIC MIXING VALVE SHALL BE EQUAL TO WATTS LFMMV-CPVC-M1.
- 5 ROUTE NEW 3/4" DOMESTIC HOT WATER PIPING DOWN IN COMMON WALL OF MECHANICAL CLOSET TO FIRST FLOOR MECHANICAL CLOSET FOR TIE-IN.
- 6 3/4" NATURAL GAS PIPING UNDERGROUND TO NEW GAS METER. COORDINATE LOCATION WITH SCE&G.



1 PLUMBING ISOMETRIC



NOTE: THIS FLOOR PLAN IS TYPICAL OF 4 AND APPLIES TO BUILDING NUMBERS 16/17, 18/19, 20/21, AND 22/23.

1 2 3 4 5



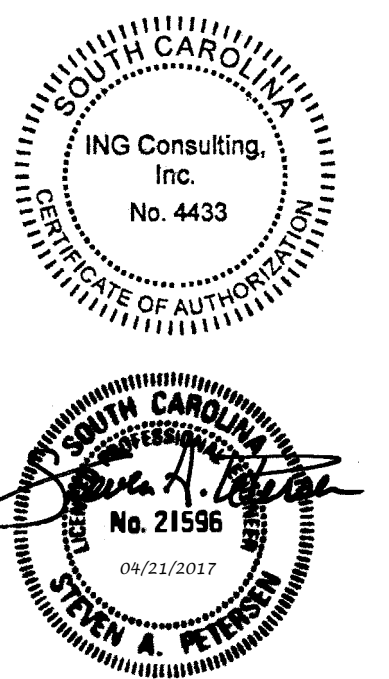
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