

1 SANITARY SEWER BASEMENT FLOOR PLAN
 SCALE: 1/8" = 1'-0"

INDIRECT VENTS:
 - VENT FOR CONDENSATE DRAIN
 - VENT FOR GREASE WASTE SYSTEM
 - VENT FOR LAUNDRY
 - VENT FOR POOL DECK DRAIN

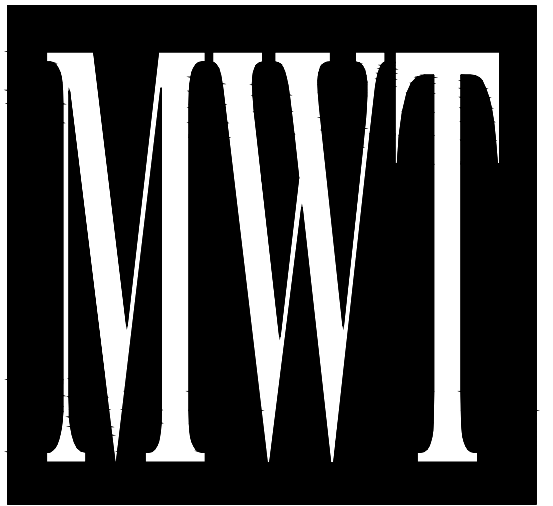
NOTE:
 • NEW BACKGROUND

- NOTES:**
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 - FOR GAS SCHEMATIC DIAGRAM SEE PLUMBING DRAWING P1.1.
 - ALL FLOOR DRAINS TO BE INSTALLED W/TRAP PRIMERS.
 - PROVIDE DRAIN & VENT FOR SWIMMING POOL PER RECOMMENDATION OF POOL EQUIPMENT SUPPLIER.
 - PROVIDE A SEPARATE 1/2" VALVE CW LINE TO EACH REFRIGERATOR.
 - CONTRACTOR TO SUPPLY THE TEMPERED WATER LIMITING DEVICE.
 - VACUUM RELIEF VALVE INSTALLED IN THE COLD WATER SUPPLY LINE ABOVE THE TOP OF THE HEATER OR TANK SHALL BE PROVIDED TO PREVENT SIPHONING OF ANY STORAGE WATER HEATER OR TANK.
 - DISCHARGE POOL, BACKWASH AND SCUM CUTTERS DRAIN TO SANITARY SEWER.
 - DRAIN SIZES FROM PLUMBING FIXTURES SHALL BE AS FOLLOWS:
 WATER CLOSETS - 4"
 BATH TUB - 2"
 LAVATORY - 2"
 FLOOR DRAIN - 2"
 FLOOR SINK - 3"

1. THE PLUMBING CONTRACTOR MUST PREPARE SHOP DRAWING TO COORDINATE WITH STRUCTURAL ENGINEER BEFORE INSTALLING AND GUARANTEE THE WATER, SEWER AND STORM LINE DO NOT RUNNING ALONG WITH THE GRADE BEAMS.
 2. THE CONTRACTOR MUST PERFORM THE COLD/HOT WATER BALANCING TO ENSURE SUFFICIENT HOT WATER THAT DELIVERS TO EVERY GUESTROOM UNIT BEFORE CEILING TILE IS INSTALLED.

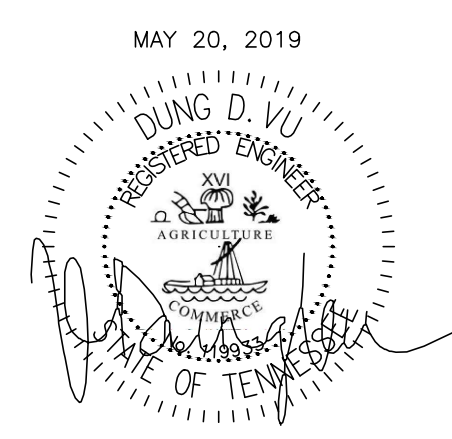
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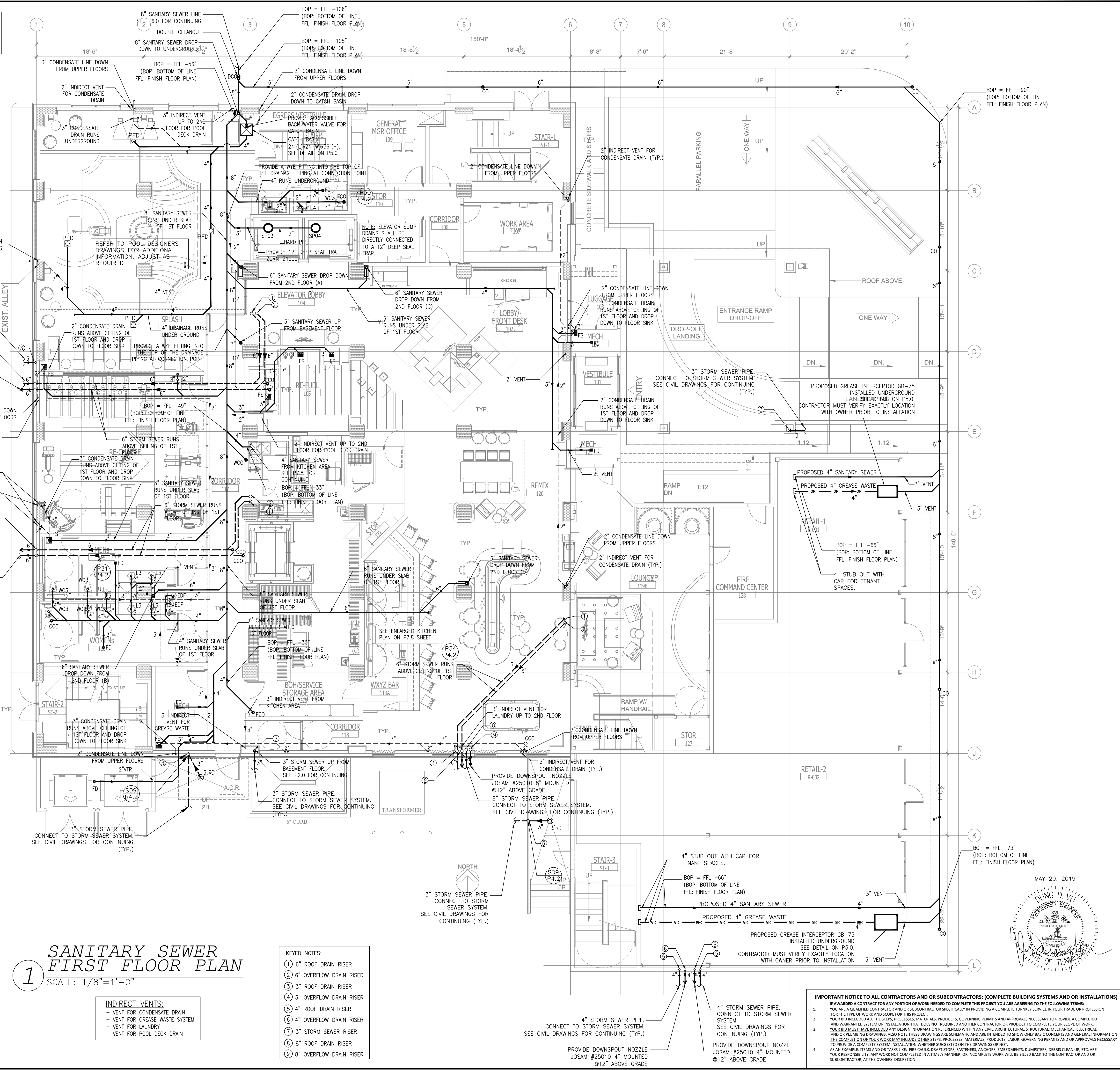
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ALOFT MEMPHIS DOWNTOWN
 63 NORTH B.B. KING BLVD.
 MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
 DATE: 07-21-2017
 DRAWN BY: PL
 CHKD. BY: DV
SANITARY SEWER BASEMENT FLOOR PLAN
 SHEET **P2.0**

1. THE PLUMBING CONTRACTOR MUST PREPARE SHOP DRAWING TO COORDINATE WITH STRUCTURAL ENGINEER BEFORE INSTALLING AND GUARANTEE THE WATER, SEWER AND STORM LINE DO NOT RUNNING ALONG WITH THE GRADE BEAMS.
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ROOF DRAIN CALCULATION:

ROOF AREA	ROOF AREA	ONE HALF OF THE AREA OF VERTICAL WALL	NO. OF R.D.	SERVED AREA OF FA R.D.
ROOF AREA 18	107	0	1	107
ROOF AREA 19	154	0	1	154

BASE ON 2012 IPC TABLE 1106.3 AND APPENDIX B
 - RAIN FALL IN INCHES PER HOUR: 4" (APPENDIX B)
 - 3" ROOF DRAIN IS SERVED FOR 822 SF OF ROOF AREA WITH SLOPE 1% (TABLE 1106.3)
 => THE LARGEST DRAINAGE AREA FOR ONE ROOF DRAIN IS 822 SF
 OVER FLOW DRAIN SHALL BE THE SAME SIZE AS R.D. AND SET 2" ABOVE R.D.

- NOTES:**
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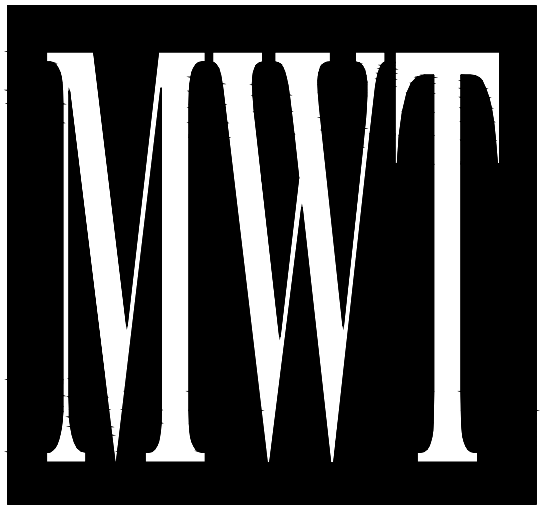
1 SANITARY SEWER FIRST FLOOR PLAN
 SCALE: 1/8"=1'-0"

- KEYED NOTES:**
- 1 6" ROOF DRAIN RISER
 - 2 6" OVERFLOW DRAIN RISER
 - 3 3" ROOF DRAIN RISER
 - 4 3" OVERFLOW DRAIN RISER
 - 5 4" ROOF DRAIN RISER
 - 6 4" OVERFLOW DRAIN RISER
 - 7 3" STORM SEWER RISER
 - 8 8" ROOF DRAIN RISER
 - 9 8" OVERFLOW DRAIN RISER

INDIRECT VENTS:
 - VENT FOR CONDENSATE DRAIN
 - VENT FOR GREASE WASTE SYSTEM
 - VENT FOR LAUNDRY
 - VENT FOR POOL DECK DRAIN

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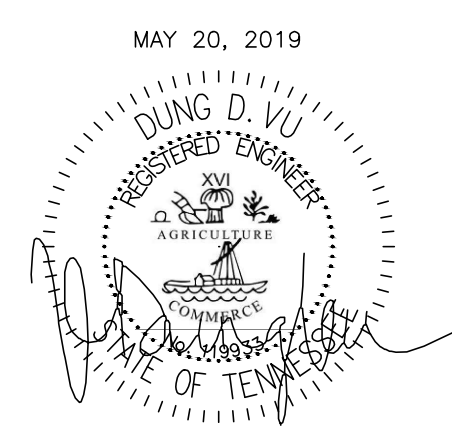
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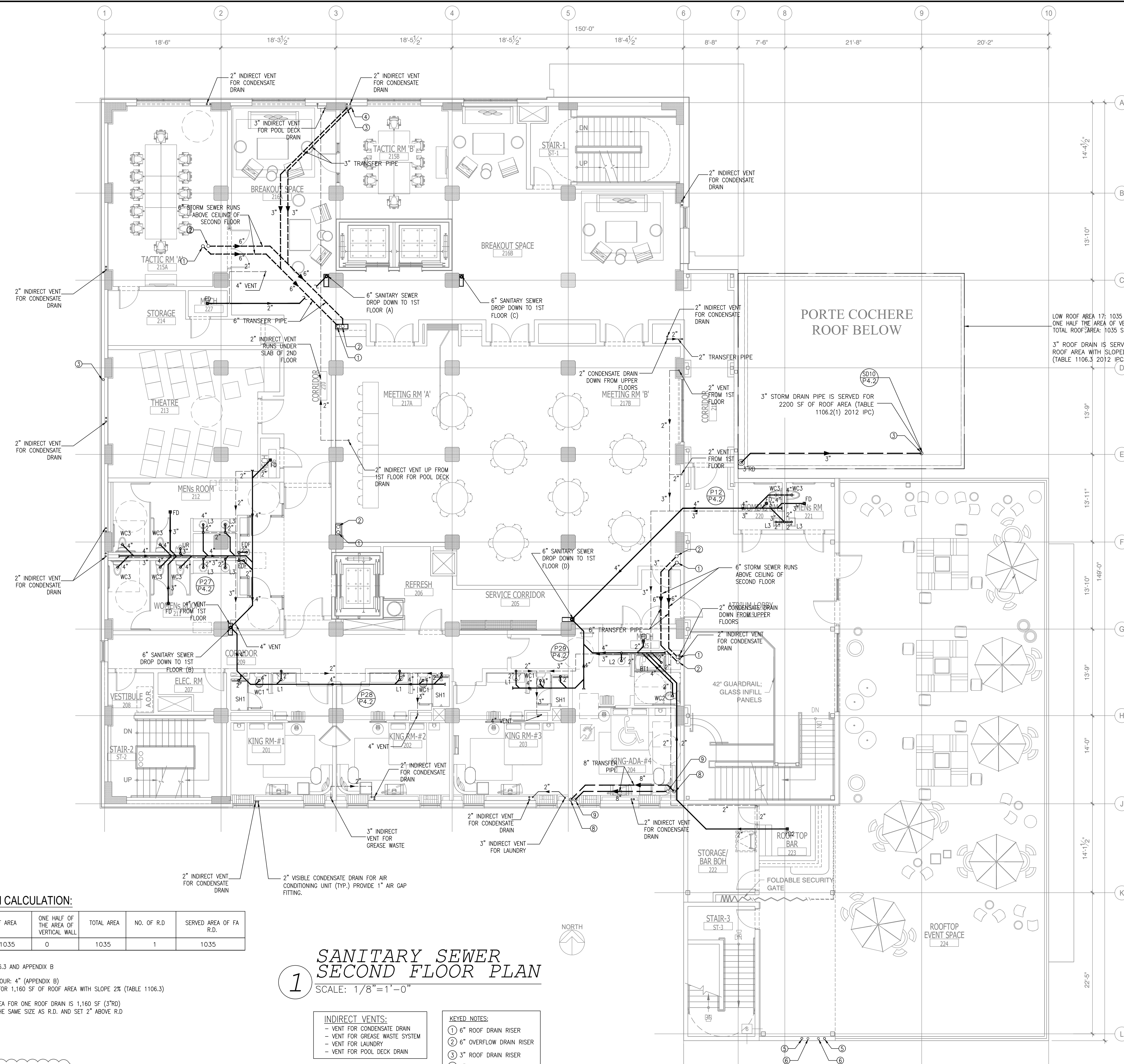
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**SANITARY SEWER
 FIRST FLOOR PLAN**

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MAY 20, 2019



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LOW ROOF AREA 17: 1035 SF
 ONE HALF THE AREA OF VERTICAL WALL: 0 SF
 TOTAL ROOF AREA: 1035 SF

3" ROOF DRAIN IS SERVED FOR 1160 SF OF ROOF AREA WITH SLOPED 2% PER FOOT (TABLE 1106.3 2012 IPC.)

LOW ROOF DRAIN CALCULATION:

ROOF AREA 17	ROOF AREA	ONE HALF OF THE AREA OF VERTICAL WALL	TOTAL AREA	NO. OF R.D.	SERVED AREA OF FA R.D.
	1035	0	1035	1	1035

BASE ON 2012 IPC TABLE 1106.3 AND APPENDIX B

- RAIN FALL IN INCHES PER HOUR: 4" (APPENDIX B)
- 3" ROOF DRAIN IS SERVED FOR 1,160 SF OF ROOF AREA WITH SLOPE 2% (TABLE 1106.3)

=> THE LARGEST DRAINAGE AREA FOR ONE ROOF DRAIN IS 1,160 SF (3"RD) OVER FLOW DRAIN SHALL BE THE SAME SIZE AS R.D. AND SET 2" ABOVE R.D

1 SANITARY SEWER SECOND FLOOR PLAN
 SCALE: 1/8" = 1'-0"

- INDIRECT VENTS:**
- VENT FOR CONDENSATE DRAIN
 - VENT FOR GREASE WASTE SYSTEM
 - VENT FOR LAUNDRY
 - VENT FOR POOL DECK DRAIN
- KEYED NOTES:**
- 6" ROOF DRAIN RISER
 - 6" OVERFLOW DRAIN RISER
 - 3" ROOF DRAIN RISER
 - 3" OVERFLOW DRAIN RISER
 - 4" ROOF DRAIN RISER
 - 4" OVERFLOW DRAIN RISER
 - 8" ROOF DRAIN RISER
 - 8" OVERFLOW DRAIN RISER

NOTE:

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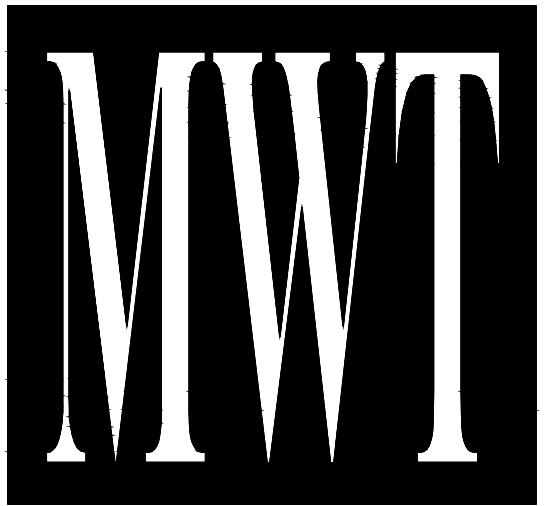
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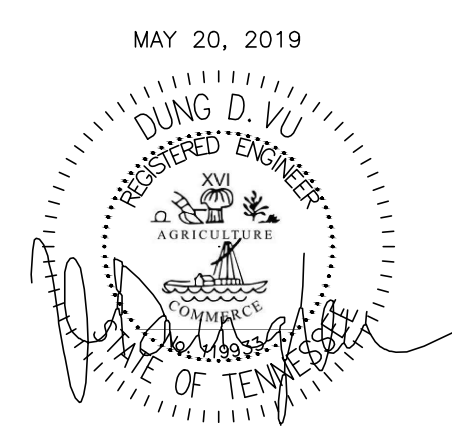
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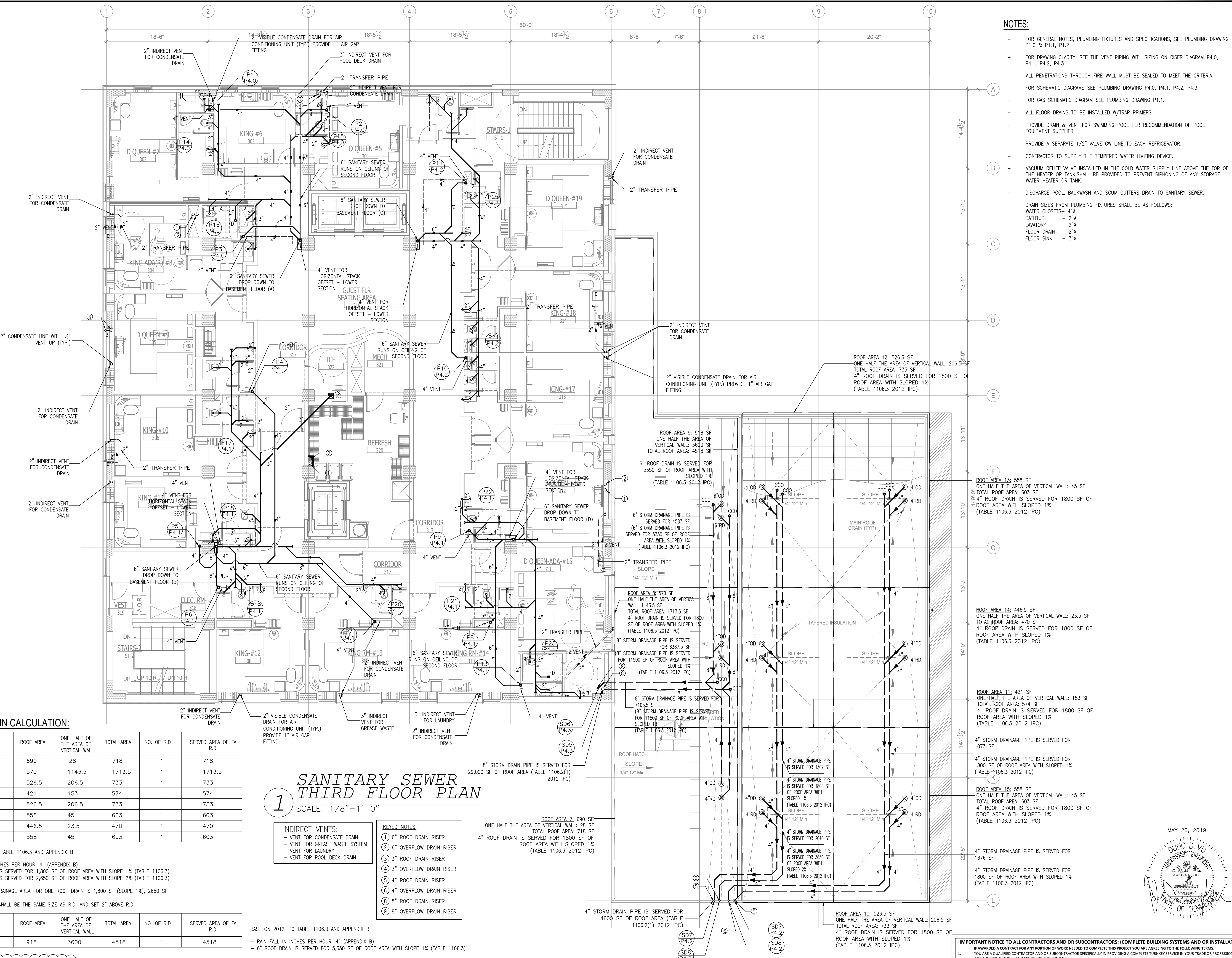


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SANITARY SEWER SECOND FLOOR PLAN



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ROOF DRAIN CALCULATION:

	ROOF AREA	ONE HALF OF THE AREA OF VERTICAL WALL	TOTAL AREA	NO. OF R.D.	SERVED AREA OF FA R.D.
ROOF AREA 7	690	28	718	1	718
ROOF AREA 8	570	1143.5	1713.5	1	1713.5
ROOF AREA 10	526.5	206.5	733	1	733
ROOF AREA 11	421	153	574	1	574
ROOF AREA 12	526.5	206.5	733	1	733
ROOF AREA 13	558	45	603	1	603
ROOF AREA 14	446.5	23.5	470	1	470
ROOF AREA 15	558	45	603	1	603

BASE ON 2012 IPC TABLE 1106.3 AND APPENDIX B

- RAIN FALL IN INCHES PER HOUR: 4" (APPENDIX B)
- 4" ROOF DRAIN IS SERVED FOR 1,800 SF OF ROOF AREA WITH SLOPE 1% (TABLE 1106.3)
- 4" ROOF DRAIN IS SERVED FOR 2,650 SF OF ROOF AREA WITH SLOPE 2% (TABLE 1106.3)

=> THE LARGEST DRAINAGE AREA FOR ONE ROOF DRAIN IS 1,800 SF (SLOPE 1%), 2650 SF (SLOPE 2%)
 OVER FLOW DRAIN SHALL BE THE SAME SIZE AS R.D. AND SET 2" ABOVE R.D.

	ROOF AREA	ONE HALF OF THE AREA OF VERTICAL WALL	TOTAL AREA	NO. OF R.D.	SERVED AREA OF FA R.D.
ROOF AREA 9	918	3600	4518	1	4518

1 SANITARY SEWER THIRD FLOOR PLAN

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

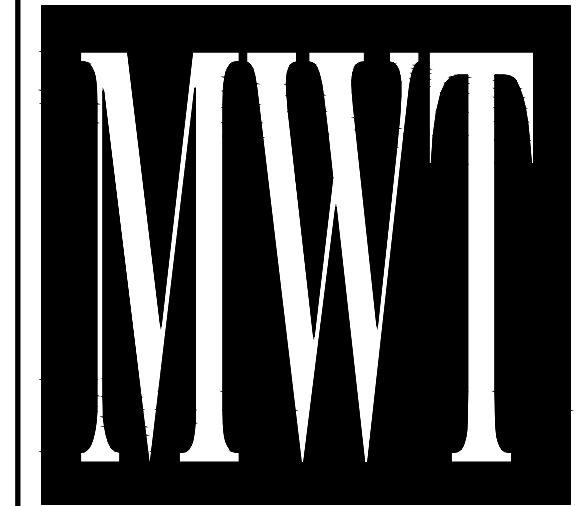
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 - VENT FOR GREASE WASTE SYSTEM
 - VENT FOR LAUNDRY
 - VENT FOR POOL DECK DRAIN
- KEYED NOTES:**
- 1" 6" ROOF DRAIN RISER
 - 2" 6" OVERFLOW DRAIN RISER
 - 3" 3" ROOF DRAIN RISER
 - 4" 3" OVERFLOW DRAIN RISER
 - 5" 4" ROOF DRAIN RISER
 - 6" 4" OVERFLOW DRAIN RISER
 - 7" 8" ROOF DRAIN RISER
 - 8" 8" OVERFLOW DRAIN RISER

BASE ON 2012 IPC TABLE 1106.3 AND APPENDIX B

- RAIN FALL IN INCHES PER HOUR: 4" (APPENDIX B)
- 6" ROOF DRAIN IS SERVED FOR 5,350 SF OF ROOF AREA WITH SLOPE 1% (TABLE 1106.3)

=> THE LARGEST DRAINAGE AREA FOR ONE ROOF DRAIN IS 5,350 SF (SLOPE 1%)
 OVER FLOW DRAIN SHALL BE THE SAME SIZE AS R.D. AND SET 2" ABOVE R.D.

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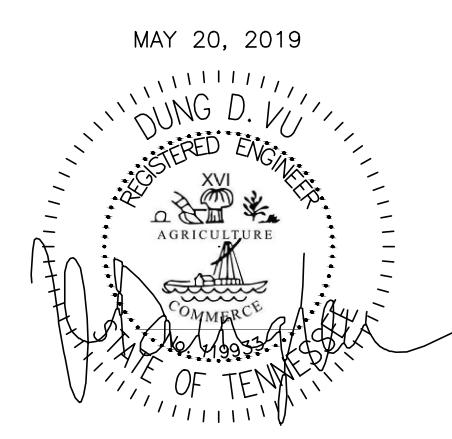
ALOFT
 MEMPHIS
 DOWNTOWN

63 NORTH B.B. KING BLVD.
 MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
 DATE: 07-21-2017
 DRAWN BY: PL
 CHKD. BY: DV

SANITARY SEWER
 THIRD FLOOR PLAN

SHEET P2.3



IMPORTANT NOTICE TO ALL CONTRACTORS AND OR SUBCONTRACTORS: (COMPLETE BUILDING SYSTEMS AND OR INSTALLATIONS)

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2. YOUR BID INCLUDED ALL THE STEPS, PROCESSES, MATERIALS, PRODUCTS, GOVERNING PERMITS AND APPROVALS NECESSARY TO PROVIDE A COMPLETED AND WARRANTED SYSTEM ON INSTALLATION THAT DOES NOT REQUIRE ANOTHER CONTRACTOR OR PRODUCT TO COMPLETE YOUR SCOPE OF WORK.
3. YOUR BID MUST HAVE INCLUDED ANY DESIGN INFORMATION REFERENCED WITHIN ANY CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND/OR PLUMBING DRAWINGS; ALSO NOTE THESE DRAWINGS ARE SCHEMATIC AND ARE INTENDED TO SHOW ONLY BASIC CONCEPTS AND GENERAL INFORMATION. THE COMPLETION OF YOUR WORK MAY INCLUDE OTHER STEPS, PROCESSES, MATERIALS, PRODUCTS, LABOR, GOVERNING PERMITS AND OR APPROVALS NECESSARY TO PROVIDE A COMPLETE SYSTEM INSTALLATION WHETHER SUGGESTED ON THE DRAWINGS OR NOT.
4. AS AN EXAMPLE ITEMS AND OR TASKS LIKE: THE CABLE, DRIFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DUMPERETS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BACK TO THE CONTRACTOR AND OR SUBCONTRACTOR, AT THE OWNERS' DISCRETION.

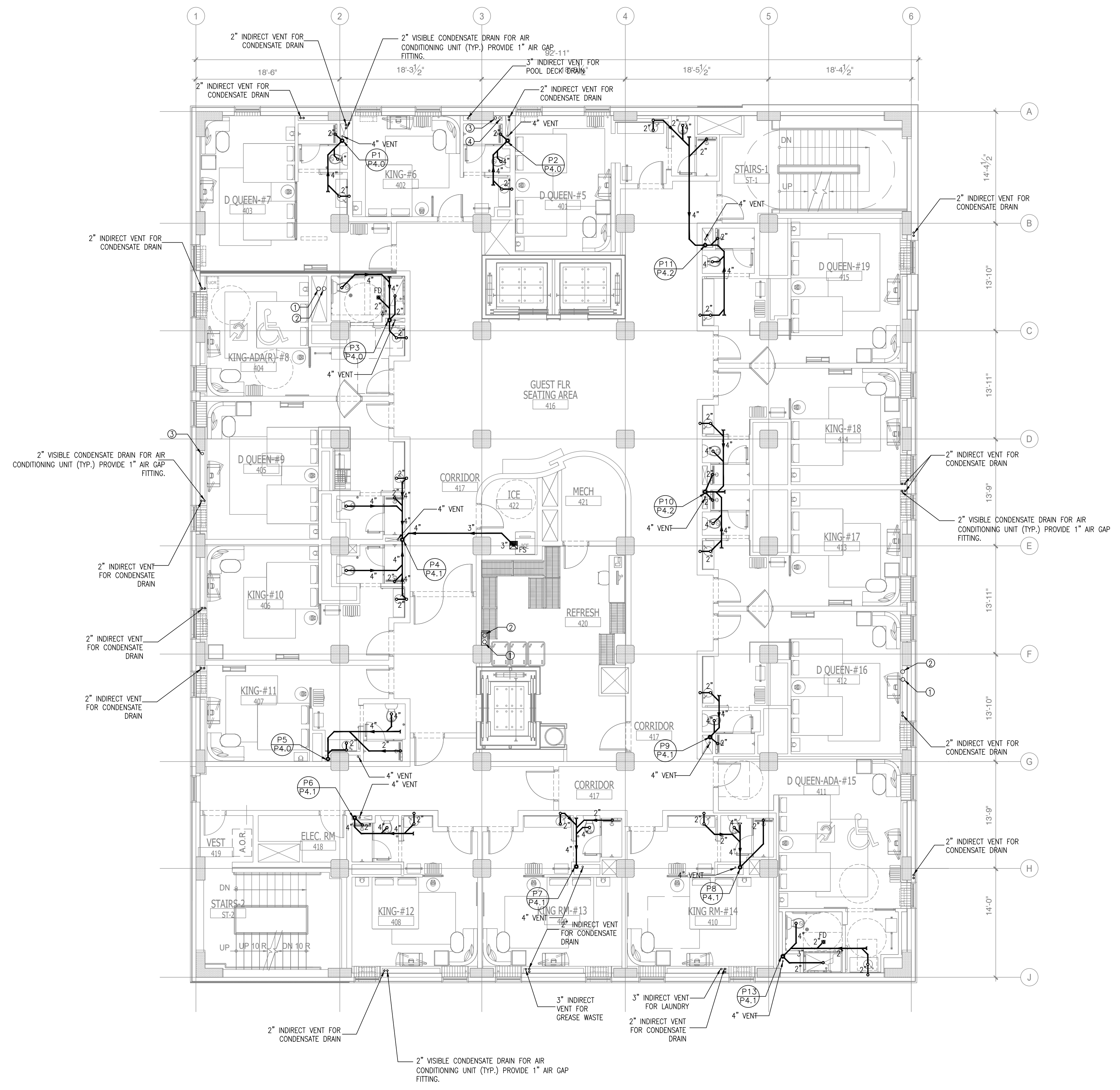
1. THE PLUMBING CONTRACTOR MUST PREPARE SHOP DRAWING TO COORDINATE WITH STRUCTURAL ENGINEER BEFORE INSTALLING AND GUARANTEE THE WATER, SEWER AND STORM LINE DO NOT RUNNING ALONG WITH THE GRADE BEAMS.

2. THE CONTRACTOR MUST PERFORM THE COLD/HOT WATER BALANCING TO ENSURE SUFFICIENT HOT WATER THAT DELIVERS TO EVERY GUESTROOM UNIT BEFORE CEILING TILE IS INSTALLED

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR DEMOLITION	06/09/17	PL
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7	ISSUED FOR PERMIT	11/28/17	PL
8	ISSUED FOR PERMIT	02/21/18	PL
9	ISSUED FOR PERMIT	04/16/18	PL
10	ISSUED FOR FRANCHISE	04/23/19	PL
11	ISSUED TO FRANCHISE	05/20/19	PL

NOTES:

- FOR GENERAL NOTES, PLUMBING FIXTURES AND SPECIFICATIONS, SEE PLUMBING DRAWING P1.0 & P1.1, P1.2
- FOR DRAWING CLARITY, SEE THE VENT PIPING WITH SIZING ON RISER DIAGRAM P4.0, P4.1, P4.2, P4.3
- ALL PENETRATIONS THROUGH FIRE WALL MUST BE SEALED TO MEET THE CRITERIA.
- FOR SCHEMATIC DIAGRAMS SEE PLUMBING DRAWING P4.0, P4.1, P4.2, P4.3.
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- ALL FLOOR DRAINS TO BE INSTALLED W/TRAP PRIMERS.
- PROVIDE DRAIN & VENT FOR SWIMMING POOL PER RECOMMENDATION OF POOL EQUIPMENT SUPPLIER.
- PROVIDE A SEPARATE 1/2" VALVE CW LINE TO EACH REFRIGERATOR.
- CONTRACTOR TO SUPPLY THE TEMPERED WATER LIMITING DEVICE.
- VACUUM RELIEF VALVE INSTALLED IN THE COLD WATER SUPPLY LINE ABOVE THE TOP OF THE HEATER OR TANK, SHALL BE PROVIDED TO PREVENT SIPHONING OF ANY STORAGE WATER HEATER OR TANK.
- DISCHARGE POOL, BACKWASH AND SCUM CUTTERS DRAIN TO SANITARY SEWER.
- DRAIN SIZES FROM PLUMBING FIXTURES SHALL BE AS FOLLOWS:
 WATER CLOSETS - 4"
 BATHUB - 2"
 LAVATORY - 2"
 FLOOR DRAIN - 2"
 FLOOR SINK - 3"



1 SANITARY SEWER FOURTH FLOOR PLAN
 SCALE: 1/8" = 1'-0"

- KEYED NOTES:**
- ① 6" ROOF DRAIN RISER
 - ② 6" OVERFLOW DRAIN RISER
 - ③ 3" ROOF DRAIN RISER
 - ④ 3" OVERFLOW DRAIN RISER

- INDIRECT VENTS:**
- VENT FOR CONDENSATE DRAIN
 - VENT FOR GREASE WASTE SYSTEM
 - VENT FOR LAUNDRY
 - VENT FOR POOL DECK DRAIN

NOTE:

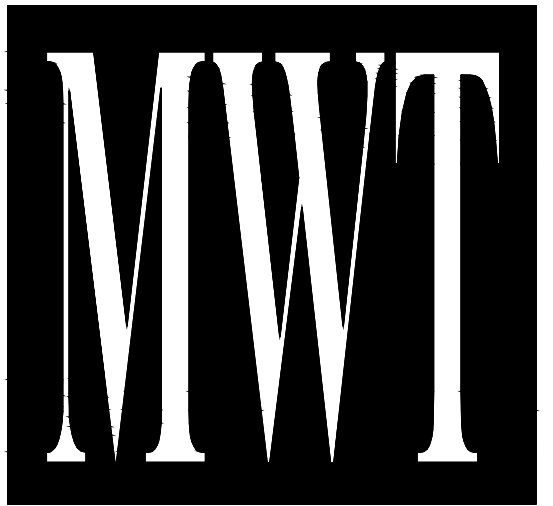
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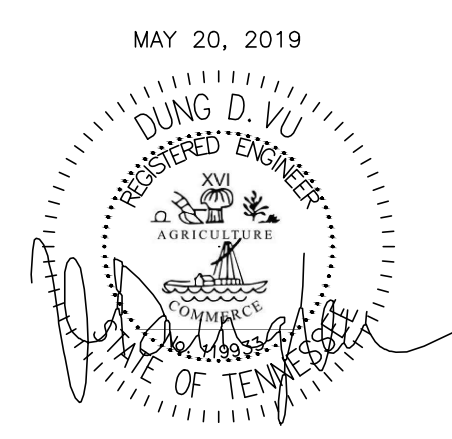
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**ALOFT
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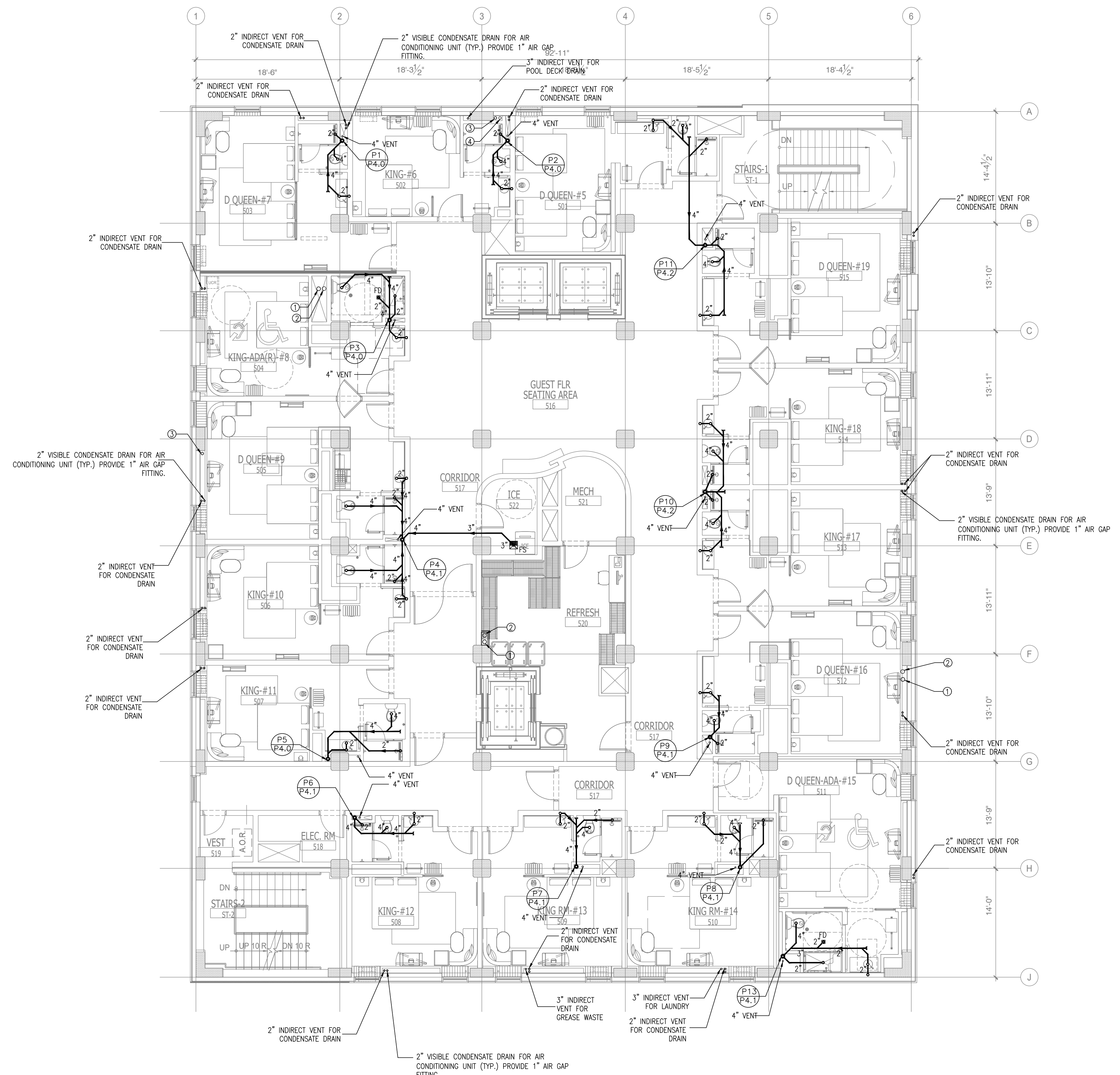
PROJECT NO.: 16 006
 DATE: 07-21-2017
 DRAWN BY: PL
 CHKD. BY: DV

**SANITARY SEWER
 FOURTH FLOOR PLAN**

SHEET **P2.4**

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9	ISSUED FOR PERMIT	04/16/18	PL
10	ISSUED FOR FRANCHISE	04/23/19	PL
11	ISSUED TO FRANCHISE	05/20/19	PL

- NOTES:**
- FOR GENERAL NOTES, PLUMBING FIXTURES AND SPECIFICATIONS, SEE PLUMBING DRAWING P1.0 & P1.1, P1.2
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 - ALL FLOOR DRAINS TO BE INSTALLED W/TRAP PRIMERS.
 - PROVIDE DRAIN & VENT FOR SWIMMING POOL PER RECOMMENDATION OF POOL EQUIPMENT SUPPLIER.
 - PROVIDE A SEPARATE 1/2" VALVE CW LINE TO EACH REFRIGERATOR.
 - CONTRACTOR TO SUPPLY THE TEMPERED WATER LIMITING DEVICE.
 - VACUUM RELIEF VALVE INSTALLED IN THE COLD WATER SUPPLY LINE ABOVE THE TOP OF THE HEATER OR TANK, SHALL BE PROVIDED TO PREVENT SIPHONING OF ANY STORAGE WATER HEATER OR TANK.
 - DISCHARGE POOL, BACKWASH AND SCUM CUTTERS DRAIN TO SANITARY SEWER.
 - DRAIN SIZES FROM PLUMBING FIXTURES SHALL BE AS FOLLOWS:
 WATER CLOSET- 4"
 BATHUB - 2"
 LAVATORY - 2"
 FLOOR DRAIN - 2"
 FLOOR SINK - 3"



1 SANITARY SEWER FIFTH FLOOR PLAN
 SCALE: 1/8"=1'-0"

- KEYED NOTES:**
- ① 6" ROOF DRAIN RISER
 - ② 6" OVERFLOW DRAIN RISER
 - ③ 3" ROOF DRAIN RISER
 - ④ 3" OVERFLOW DRAIN RISER
- INDIRECT VENTS:**
- VENT FOR CONDENSATE DRAIN
 - VENT FOR GREASE WASTE SYSTEM
 - VENT FOR LAUNDRY
 - VENT FOR POOL DECK DRAIN

NOTE:

- NEW BACKGROUND

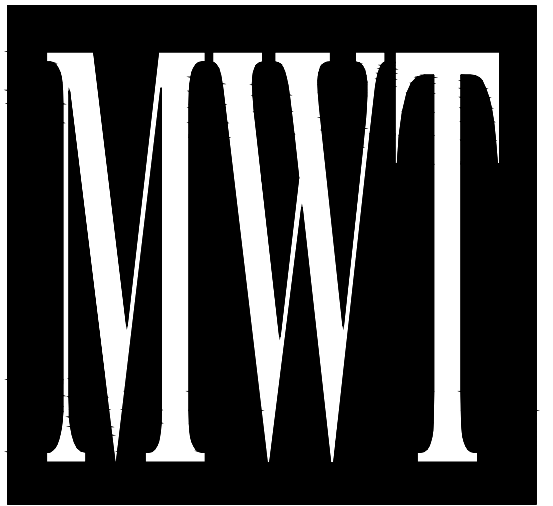
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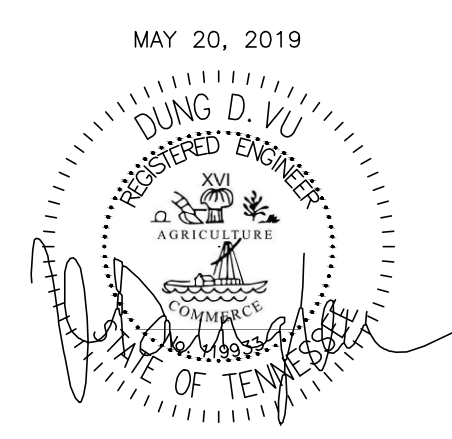
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ALOFT MEMPHIS DOWNTOWN
 63 NORTH B.B. KING BLVD.
 MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
 DATE: 07-21-2017
 DRAWN BY: PL
 CHKD. BY: DV

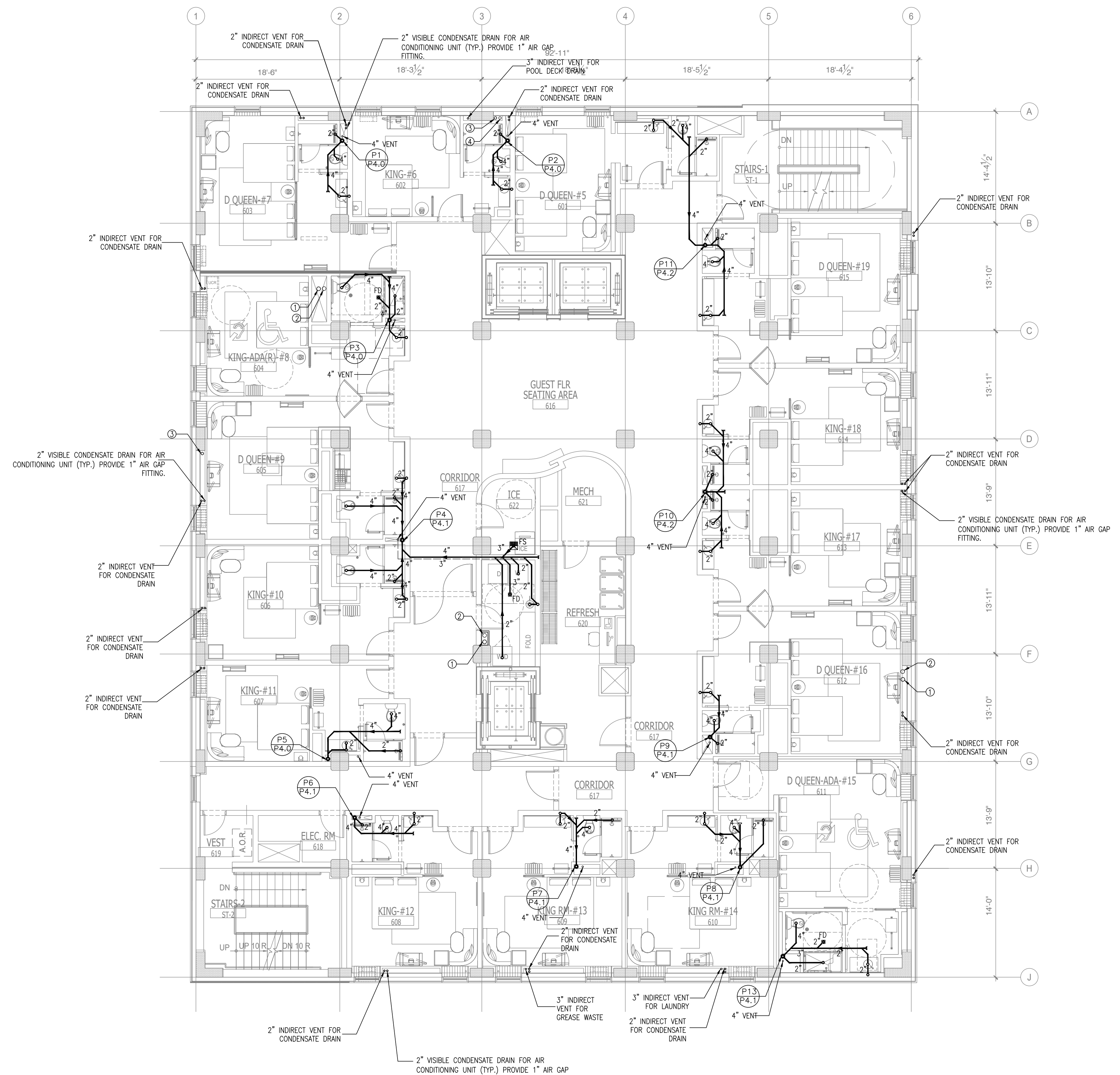
SANITARY SEWER FIFTH FLOOR PLAN

SHEET P2.5

NO.	DESCRIPTION	DATE	BY
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2	ISSUED FOR FRANCHISE	06/09/17	PL
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8	ISSUED FOR PERMIT	02/21/18	PL
9	ISSUED FOR PERMIT	04/11/18	PL
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11	ISSUED TO FRANCHISE	05/20/19	PL

NOTES:

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- DISCHARGE POOL, BACKWASH AND SCUM CUTTERS DRAIN TO SANITARY SEWER.
- DRAIN SIZES FROM PLUMBING FIXTURES SHALL BE AS FOLLOWS:
 WATER CLOSETS - 4"
 BATHUB - 2"
 LAVATORY - 2"
 FLOOR DRAIN - 2"
 FLOOR SINK - 3"



1 SANITARY SEWER SIXTH FLOOR PLAN
 SCALE: 1/8" = 1'-0"

- KEYED NOTES:**
- ① 6" ROOF DRAIN RISER
 - ② 6" OVERFLOW DRAIN RISER
 - ③ 3" ROOF DRAIN RISER
 - ④ 3" OVERFLOW DRAIN RISER

- INDIRECT VENTS:**
- VENT FOR CONDENSATE DRAIN
 - VENT FOR GREASE WASTE SYSTEM
 - VENT FOR LAUNDRY
 - VENT FOR POOL DECK DRAIN

NOTE:

- NEW BACKGROUND

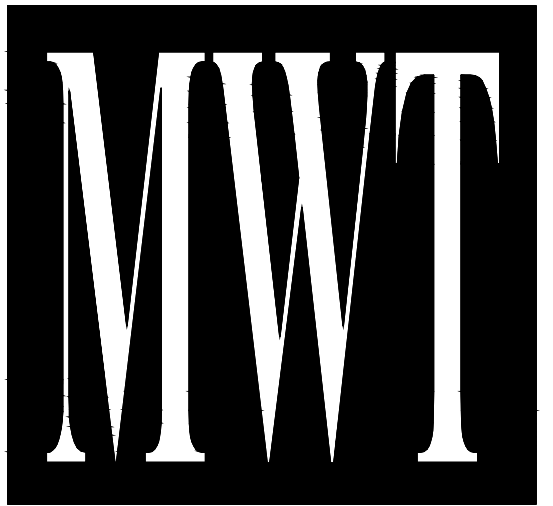
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2. THE CONTRACTOR MUST PERFORM THE COLD/HOT WATER BALANCING TO ENSURE SUFFICIENT HOT WATER THAT DELIVERS TO EVERY GUESTROOM UNIT BEFORE CEILING TILE IS INSTALLED

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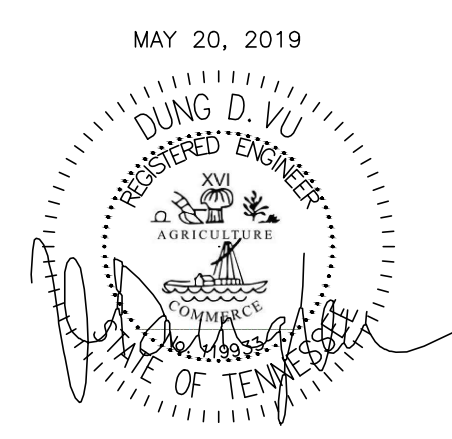
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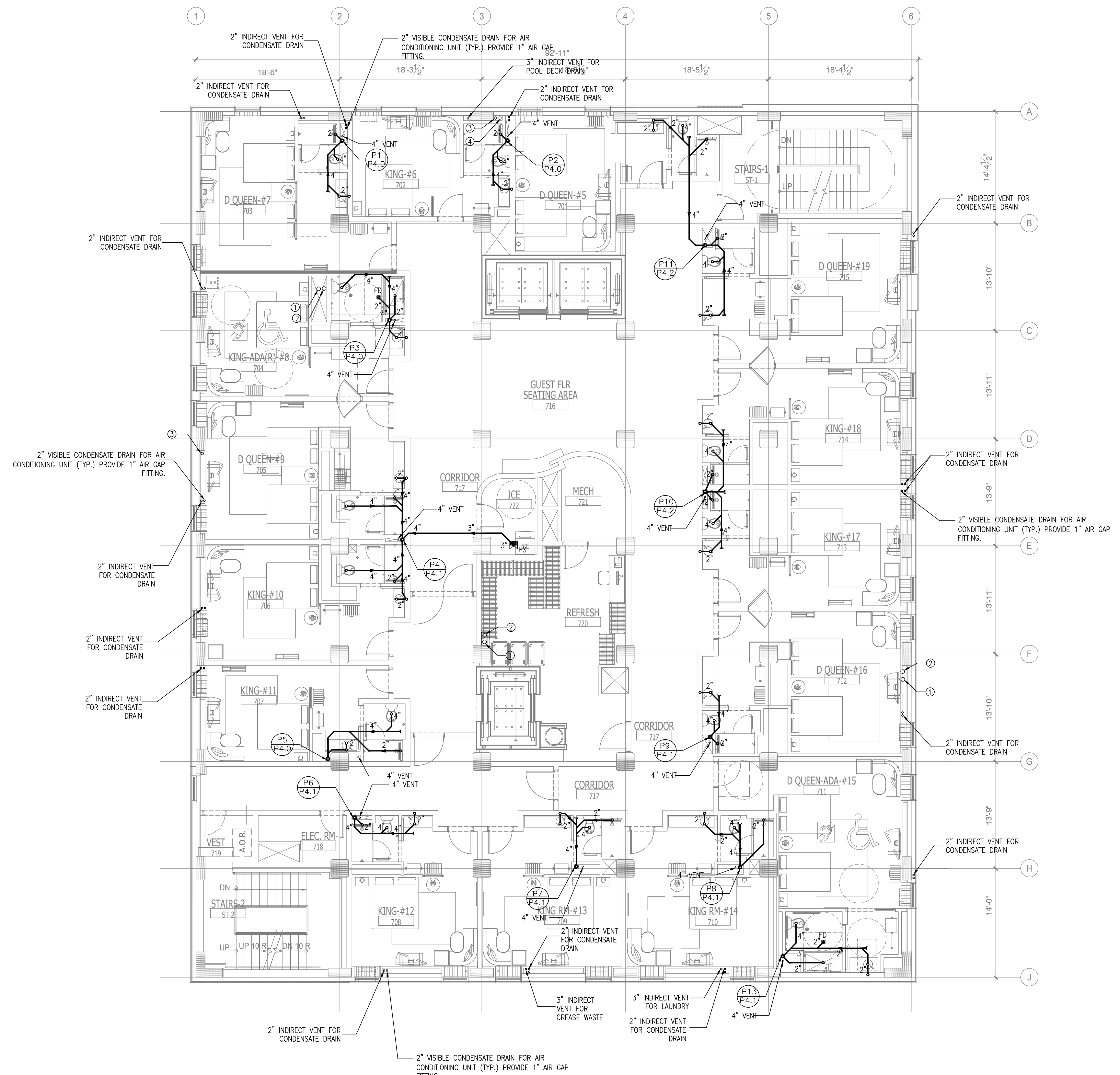
**SANITARY SEWER
 SIXTH FLOOR PLAN**

SHEET **P2.6**



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 LAVATORY - 2"
 FLOOR DRAIN - 2"
 FLOOR SINK - 3"



1 **SANITARY SEWER SEVENTH FLOOR PLAN**
 SCALE: 1/8" = 1'-0"

- KEYED NOTES:**
- ① 6" ROOF DRAIN RISER
 - ② 6" OVERFLOW DRAIN RISER
 - ③ 3" ROOF DRAIN RISER
 - ④ 3" OVERFLOW DRAIN RISER
- INDIRECT VENTS:**
- VENT FOR CONDENSATE DRAIN
 - VENT FOR GREASE WASTE SYSTEM
 - VENT FOR LAUNDRY
 - VENT FOR POOL DECK DRAIN

NOTE:

- NEW BACKGROUND

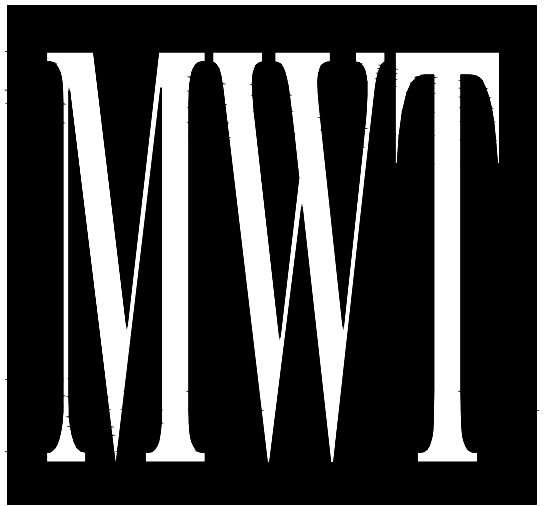
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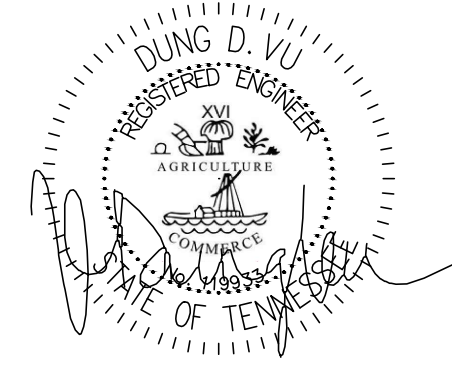
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- AS AN EXAMPLE ITEMS AND/OR TASKS LIKE: FIRE CALK, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DUMPSIES, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BACK TO THE CONTRACTOR AND/OR SUBCONTRACTOR, AT THE OWNERS' DISCRETION.



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MAY 20, 2019



ALOFT MEMPHIS DOWNTOWN

63 NORTH B.B. KING BLVD.
 MEMPHIS, TENNESSEE 38103

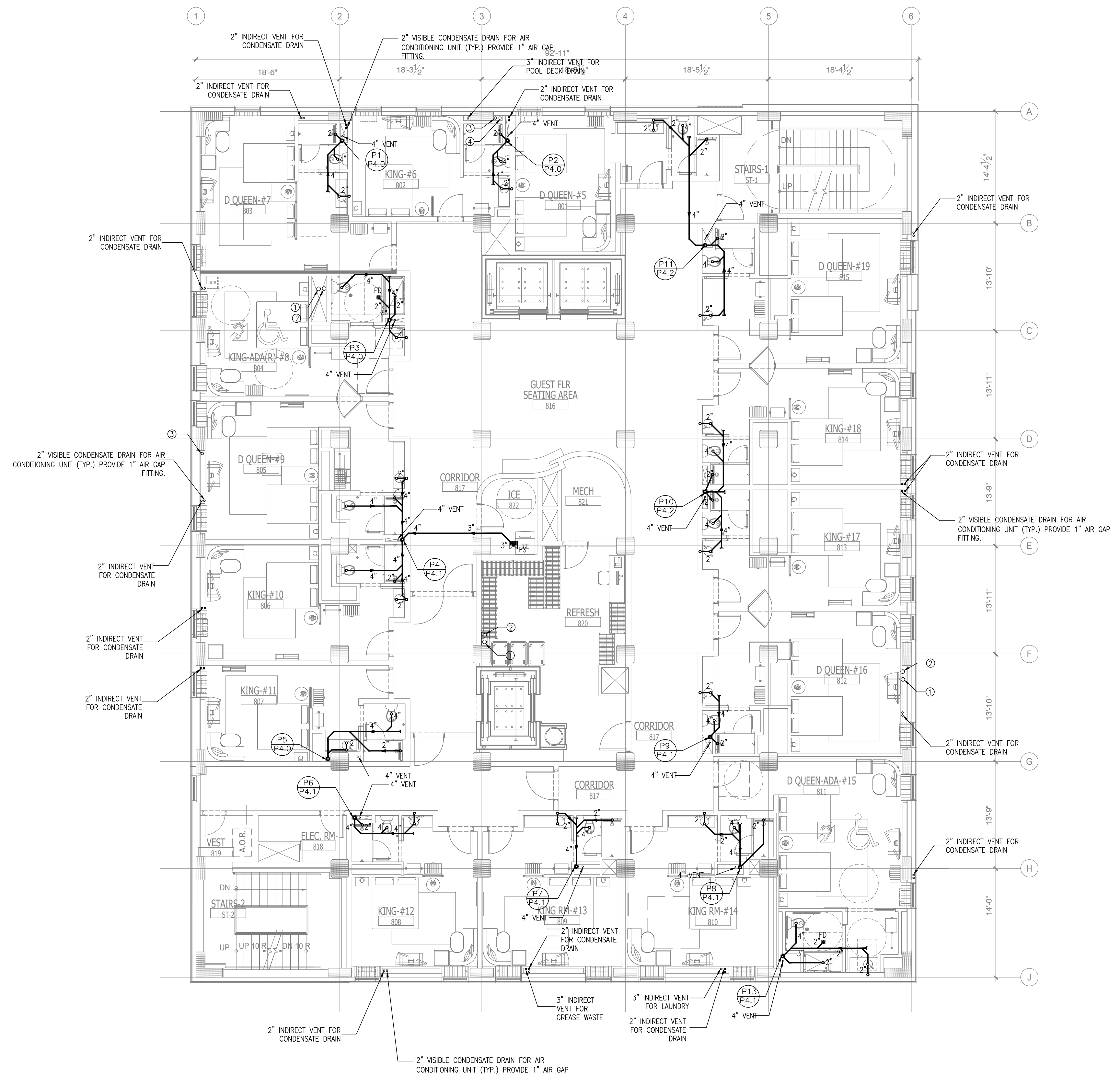
PROJECT NO.: 16 006
 DATE: 07-21-2017
 DRAWN BY: PL
 CHKD. BY: DV

SANITARY SEWER SEVENTH FLOOR PLAN

NO.	DESCRIPTION	DATE	BY
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2	ISSUED FOR FRANCHISE	06/09/17	PL
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4	ISSUED FOR FRANCHISE	08/17/17	PL
5	ISSUED FOR PERMIT	08/04/17	PL
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7	ISSUED FOR PERMIT	11/28/17	PL
8	ISSUED FOR PERMIT	02/21/18	PL
9	ISSUED FOR PERMIT	04/16/18	PL
10	ISSUED FOR FRANCHISE	04/23/19	PL
11	ISSUED TO FRANCHISE	05/20/19	PL

NOTES:

- FOR GENERAL NOTES, PLUMBING FIXTURES AND SPECIFICATIONS, SEE PLUMBING DRAWING P1.0 & P1.1, P1.2
- FOR DRAWING CLARITY, SEE THE VENT PIPING WITH SIZING ON RISER DIAGRAM P4.0, P4.1, P4.2, P4.3
- ALL PENETRATIONS THROUGH FIRE WALL MUST BE SEALED TO MEET THE CRITERIA.
- FOR SCHEMATIC DIAGRAMS SEE PLUMBING DRAWING P4.0, P4.1, P4.2, P4.3.
- FOR GAS SCHEMATIC DIAGRAM SEE PLUMBING DRAWING P1.1.
- ALL FLOOR DRAINS TO BE INSTALLED W/TRAP PRIMERS.
- PROVIDE DRAIN & VENT FOR SWIMMING POOL PER RECOMMENDATION OF POOL EQUIPMENT SUPPLIER.
- PROVIDE A SEPARATE 1/2" VALVE CW LINE TO EACH REFRIGERATOR.
- CONTRACTOR TO SUPPLY THE TEMPERED WATER LIMITING DEVICE.
- VACUUM RELIEF VALVE INSTALLED IN THE COLD WATER SUPPLY LINE ABOVE THE TOP OF THE HEATER OR TANK, SHALL BE PROVIDED TO PREVENT SIPHONING OF ANY STORAGE WATER HEATER OR TANK.
- DISCHARGE POOL, BACKWASH AND SCUM CUTTERS DRAIN TO SANITARY SEWER.
- DRAIN SIZES FROM PLUMBING FIXTURES SHALL BE AS FOLLOWS:
 WATER CLOSET- 4"
 BATHUB - 2"
 LAVATORY - 2"
 FLOOR DRAIN - 2"
 FLOOR SINK - 3"



1 SANITARY SEWER EIGHTH FLOOR PLAN
 SCALE: 1/8"=1'-0"

- KEYED NOTES:**
- ① 6" ROOF DRAIN RISER
 - ② 6" OVERFLOW DRAIN RISER
 - ③ 3" ROOF DRAIN RISER
 - ④ 3" OVERFLOW DRAIN RISER

- INDIRECT VENTS:**
- VENT FOR CONDENSATE DRAIN
 - VENT FOR GREASE WASTE SYSTEM
 - VENT FOR LAUNDRY
 - VENT FOR POOL DECK DRAIN

NOTE:

- NEW BACKGROUND

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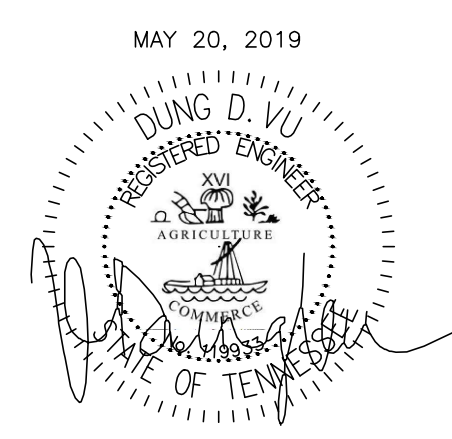
ALOFT MEMPHIS DOWNTOWN

63 NORTH B.B. KING BLVD.
 MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
 DATE: 07-21-2017
 DRAWN BY: PL
 CHKD. BY: DV

SANITARY SEWER EIGHTH FLOOR PLAN

SHEET **P2.8**



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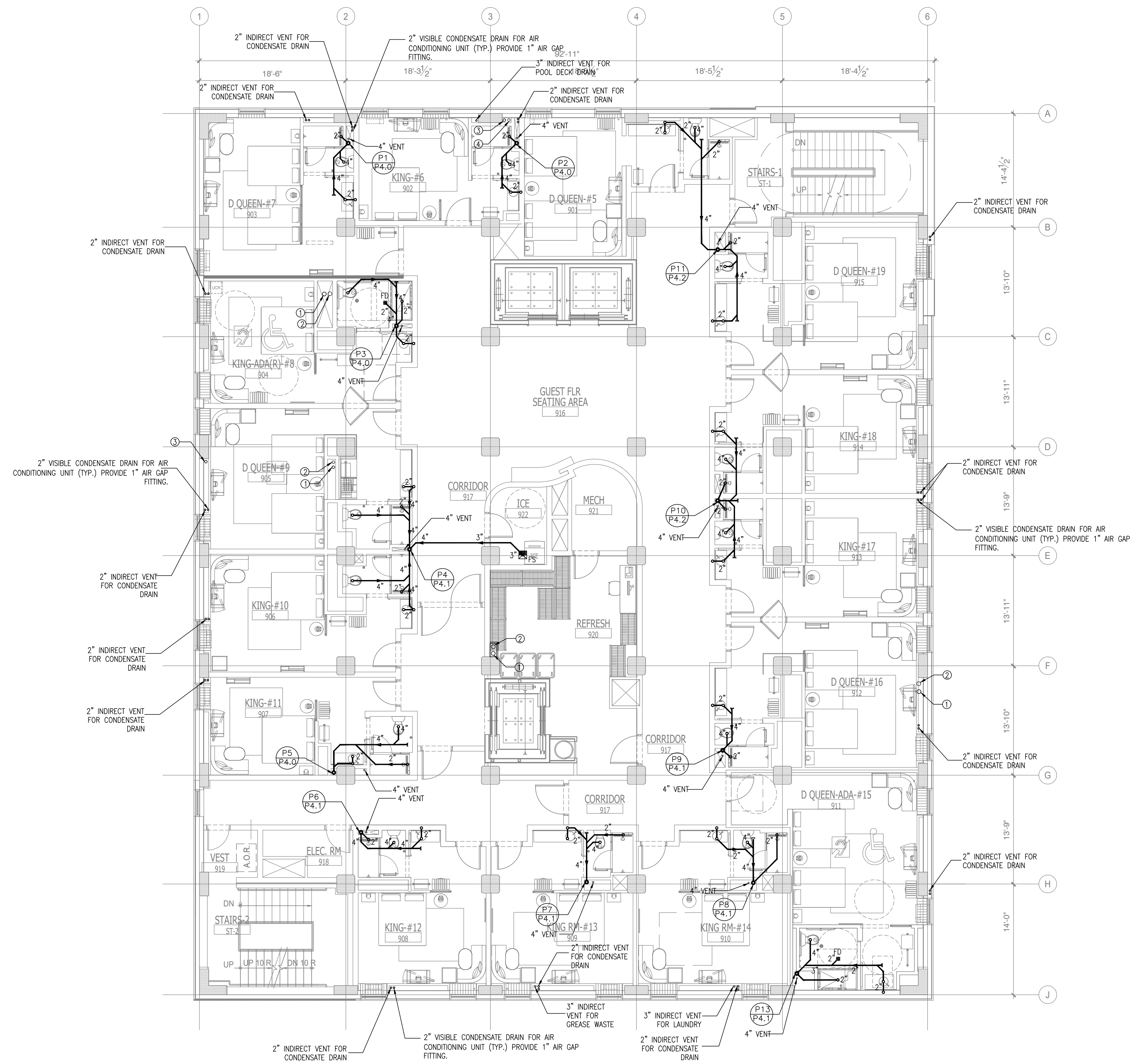
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2. THE CONTRACTOR MUST PERFORM THE COLD/HOT WATER BALANCING TO ENSURE SUFFICIENT HOT WATER THAT DELIVERS TO EVERY GUESTROOM UNIT BEFORE CEILING TILE IS INSTALLED

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- DRAIN SIZES FROM PLUMBING FIXTURES SHALL BE AS FOLLOWS:
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 FLOOR SINK - 3"



1 SANITARY SEWER NINTH FLOOR PLAN
 SCALE: 1/8"=1'-0"

- KEYED NOTES:**
- ① 6" ROOF DRAIN RISER
 - ② 6" OVERFLOW DRAIN RISER
 - ③ 3" ROOF DRAIN RISER
 - ④ 3" OVERFLOW DRAIN RISER

- INDIRECT VENTS:**
- VENT FOR CONDENSATE DRAIN
 - VENT FOR GREASE WASTE SYSTEM
 - VENT FOR LAUNDRY
 - VENT FOR POOL DECK DRAIN

NOTE:

- NEW BACKGROUND

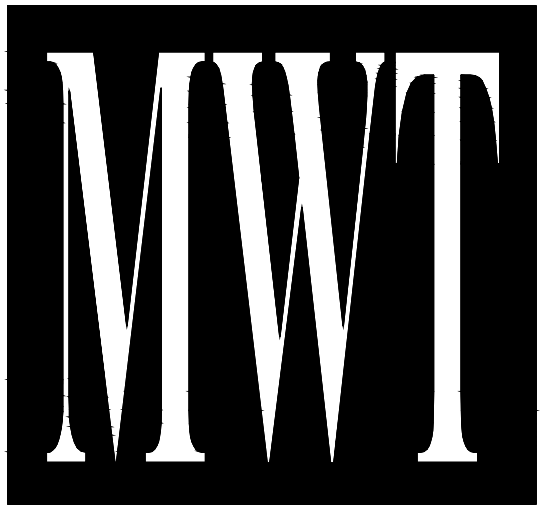
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2. THE CONTRACTOR MUST PERFORM THE COLD/HOT WATER BALANCING TO ENSURE SUFFICIENT HOT WATER THAT DELIVERS TO EVERY GUESTROOM UNIT BEFORE CEILING TILE IS INSTALLED.

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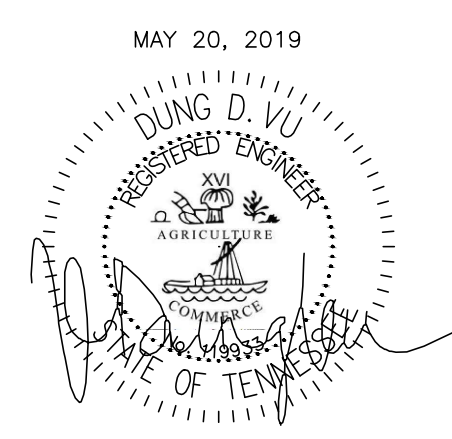
**ALOFT
 MEMPHIS
 DOWNTOWN**

63 NORTH B.B. KING BLVD.
 MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
 DATE: 07-21-2017
 DRAWN BY: PL
 CHKD. BY: DV

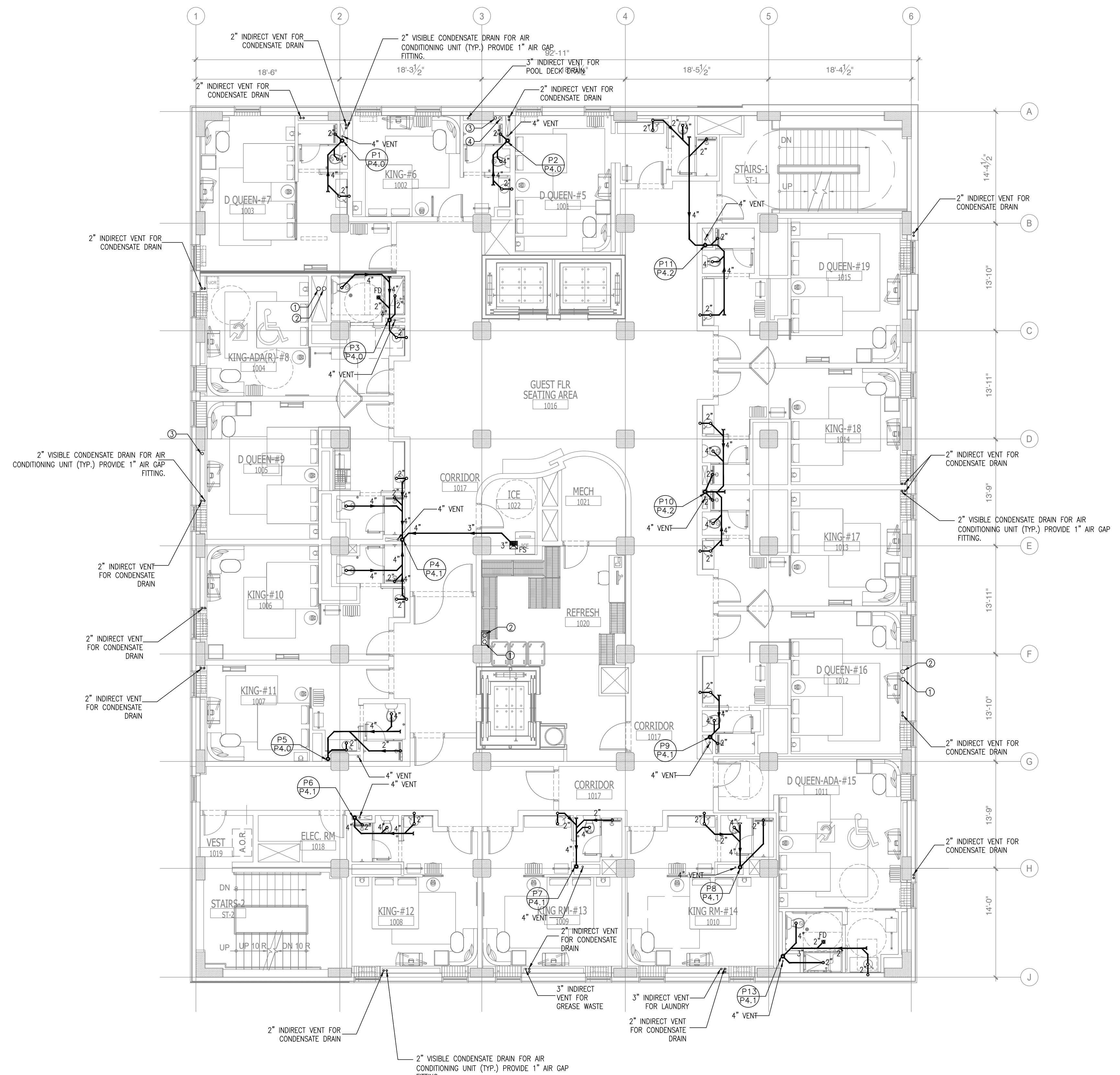
**SANITARY SEWER
 NINTH FLOOR PLAN**

SHEET P2.9



NO.	DESCRIPTION	DATE	BY
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 WATER CLOSETS - 4"
 BATHUB - 2"
 LAVATORY - 2"
 FLOOR DRAIN - 2"
 FLOOR SINK - 3"



1 **SANITARY SEWER TENTH FLOOR PLAN**
 SCALE: 1/8" = 1'-0"

- KEYED NOTES:**
- ① 6" ROOF DRAIN RISER
 - ② 6" OVERFLOW DRAIN RISER
 - ③ 3" ROOF DRAIN RISER
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- INDIRECT VENTS:**
- VENT FOR CONDENSATE DRAIN
 - VENT FOR GREASE WASTE SYSTEM
 - VENT FOR LAUNDRY
 - VENT FOR POOL DECK DRAIN

NOTE:

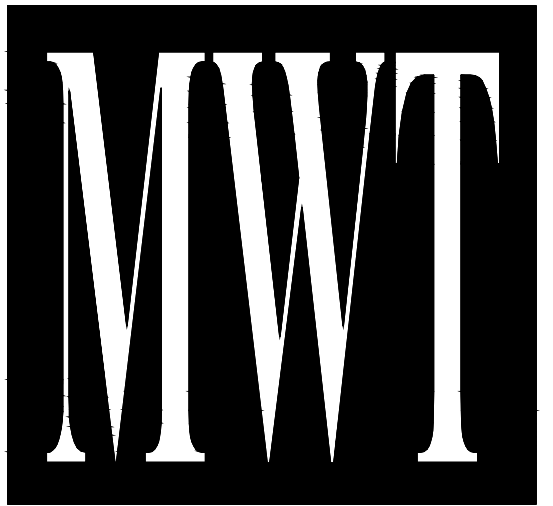
- NEW BACKGROUND

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- THE CONTRACTOR MUST PERFORM THE COLD/HOT WATER BALANCING TO ENSURE SUFFICIENT HOT WATER THAT DELIVERS TO EVERY GUESTROOM UNIT BEFORE CEILING TILE IS INSTALLED

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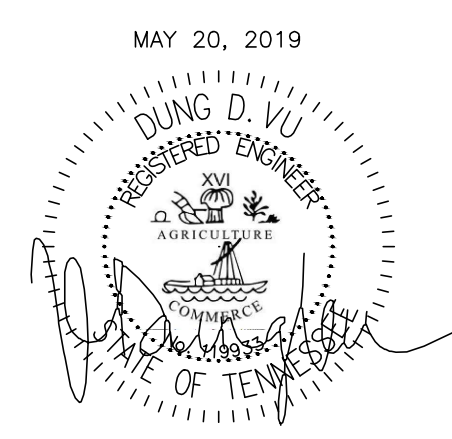
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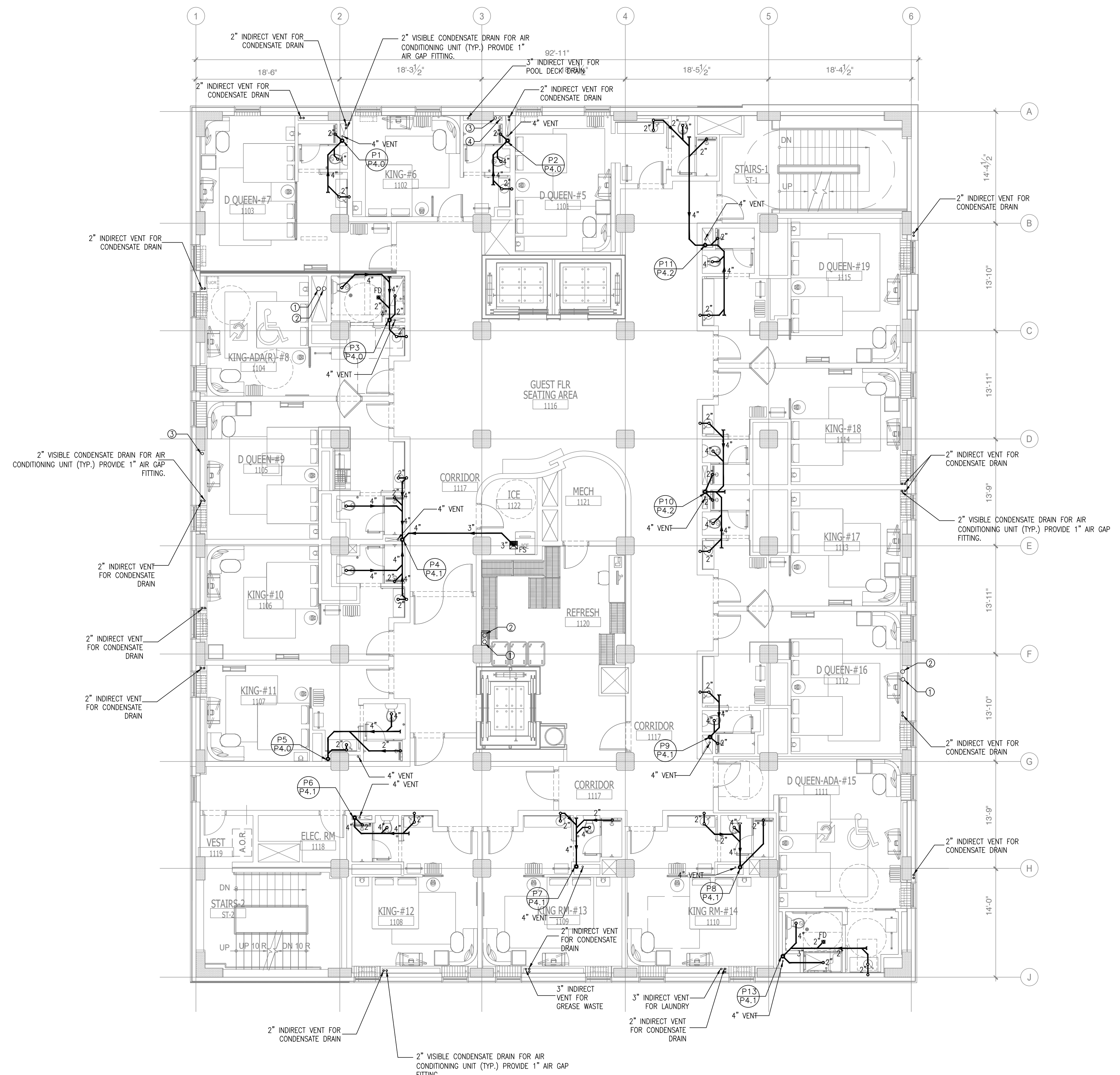
PROJECT NO.: 16 006
 DATE: 07-21-2017
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 CHKD. BY: DV

**SANITARY SEWER
 TENTH FLOOR PLAN**

SHEET **P2.10**

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1 **SANITARY SEWER**
ELEVENTH FLOOR PLAN
 SCALE: 1/8"=1'-0"

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NOTE:

- NEW BACKGROUND

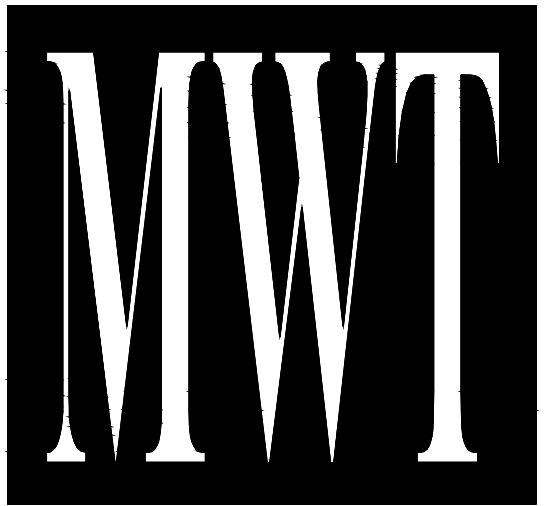
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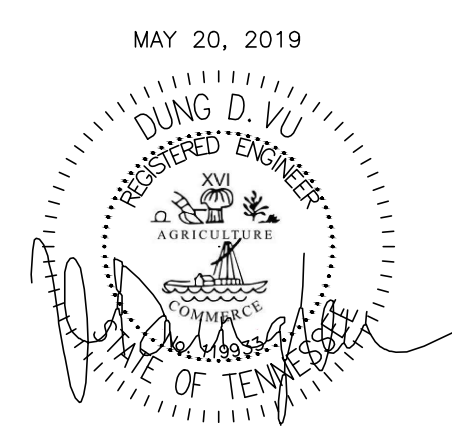
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ALOFT
MEMPHIS
DOWNTOWN

63 NORTH B.B. KING BLVD.
 MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
 DATE: 07-21-2017
 DRAWN BY: PL
 CHKD. BY: DV

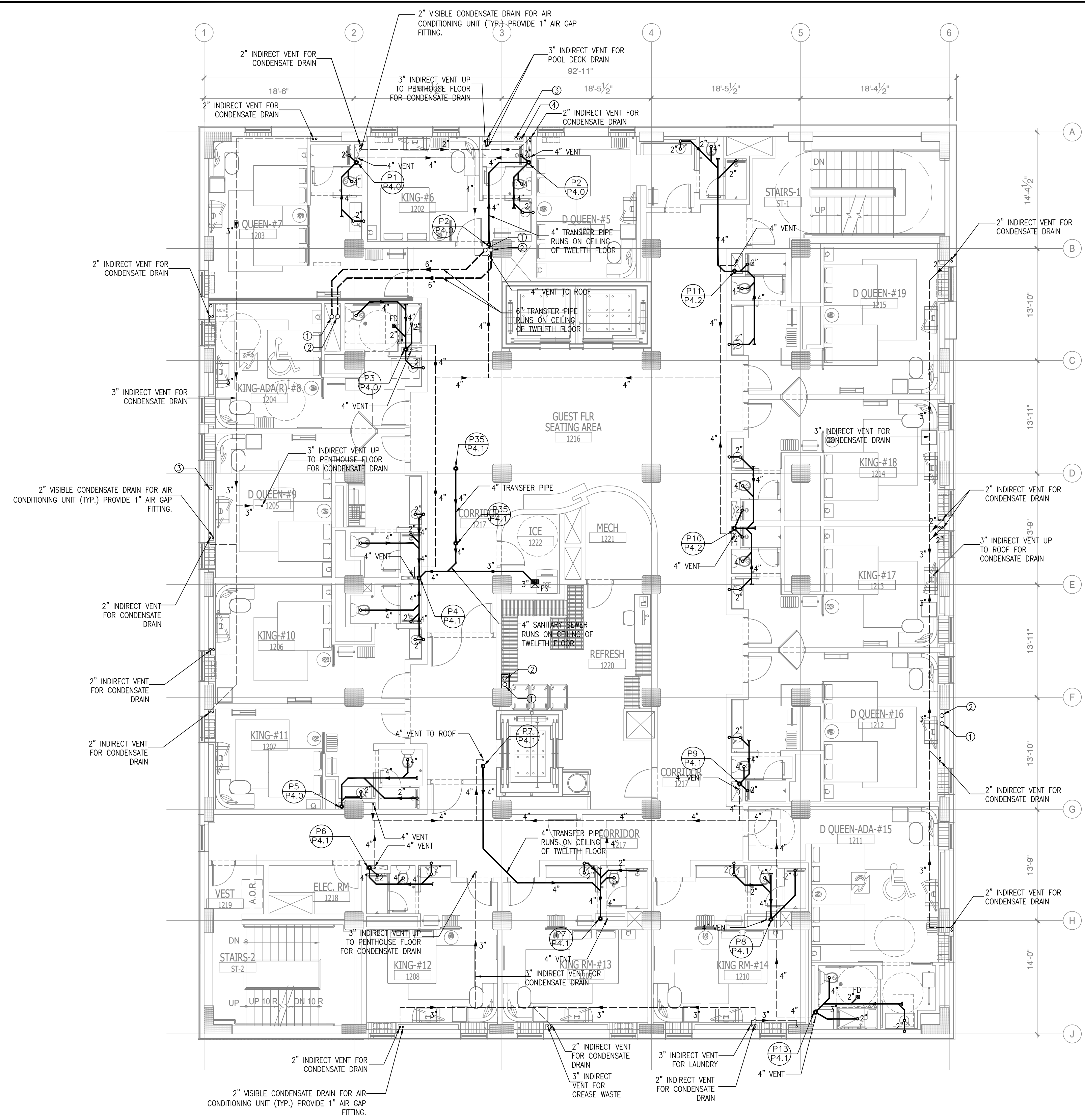
SANITARY SEWER
ELEVENTH FLOOR
PLAN

SHEET P2.11

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR DEMOLITION	06/09/17	PL
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NOTES:

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- ALL FLOOR DRAINS TO BE INSTALLED W/TRAP PRIMERS.
- PROVIDE DRAIN & VENT FOR SWIMMING POOL PER RECOMMENDATION OF POOL EQUIPMENT SUPPLIER.
- PROVIDE A SEPARATE 1/2" VALVE CW LINE TO EACH REFRIGERATOR.
- CONTRACTOR TO SUPPLY THE TEMPERED WATER LIMITING DEVICE.
- VACUUM RELIEF VALVE INSTALLED IN THE COLD WATER SUPPLY LINE ABOVE THE TOP OF THE HEATER OR TANK, SHALL BE PROVIDED TO PREVENT SIPHONING OF ANY STORAGE WATER HEATER OR TANK.
- DISCHARGE POOL, BACKWASH AND SCUM CUTTERS DRAIN TO SANITARY SEWER.
- DRAIN SIZES FROM PLUMBING FIXTURES SHALL BE AS FOLLOWS:
 WATER CLOSETS- 4"
 BATHUB - 2"
 LAVATORY - 2"
 FLOOR DRAIN - 2"
 FLOOR SINK - 3"



1 SANITARY SEWER TWELFTH FLOOR PLAN
 SCALE: 1/8"=1'-0"

- KEYED NOTES:**
- ① 6" ROOF DRAIN RISER
 - ② 6" OVERFLOW DRAIN RISER
 - ③ 3" ROOF DRAIN RISER
 - ④ 3" OVERFLOW DRAIN RISER

- INDIRECT VENTS:**
- VENT FOR CONDENSATE DRAIN
 - VENT FOR GREASE WASTE SYSTEM
 - VENT FOR LAUNDRY
 - VENT FOR POOL DECK DRAIN

NOTE:

- NEW BACKGROUND

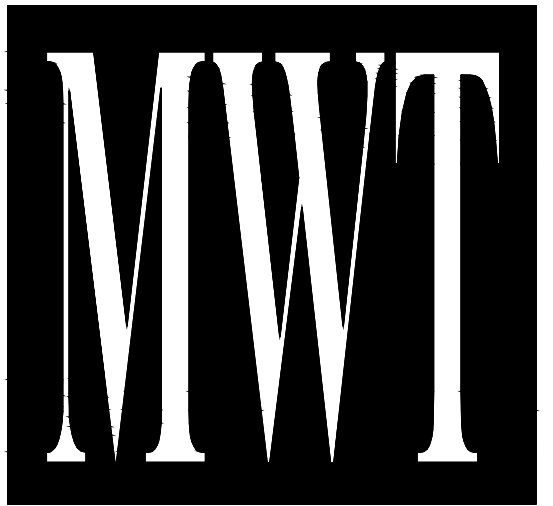
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2. THE CONTRACTOR MUST PERFORM THE COLD/HOT WATER BALANCING TO ENSURE SUFFICIENT HOT WATER THAT DELIVERS TO EVERY GUESTROOM UNIT BEFORE CEILING TILE IS INSTALLED.

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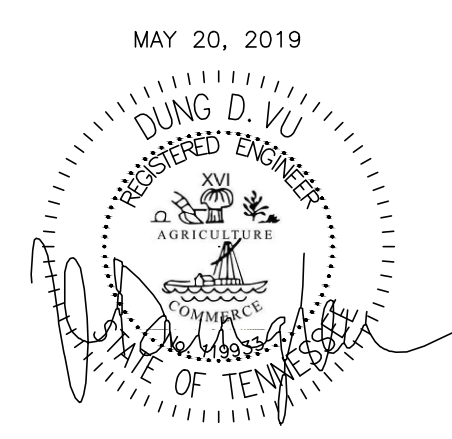
ALOFT MEMPHIS DOWNTOWN

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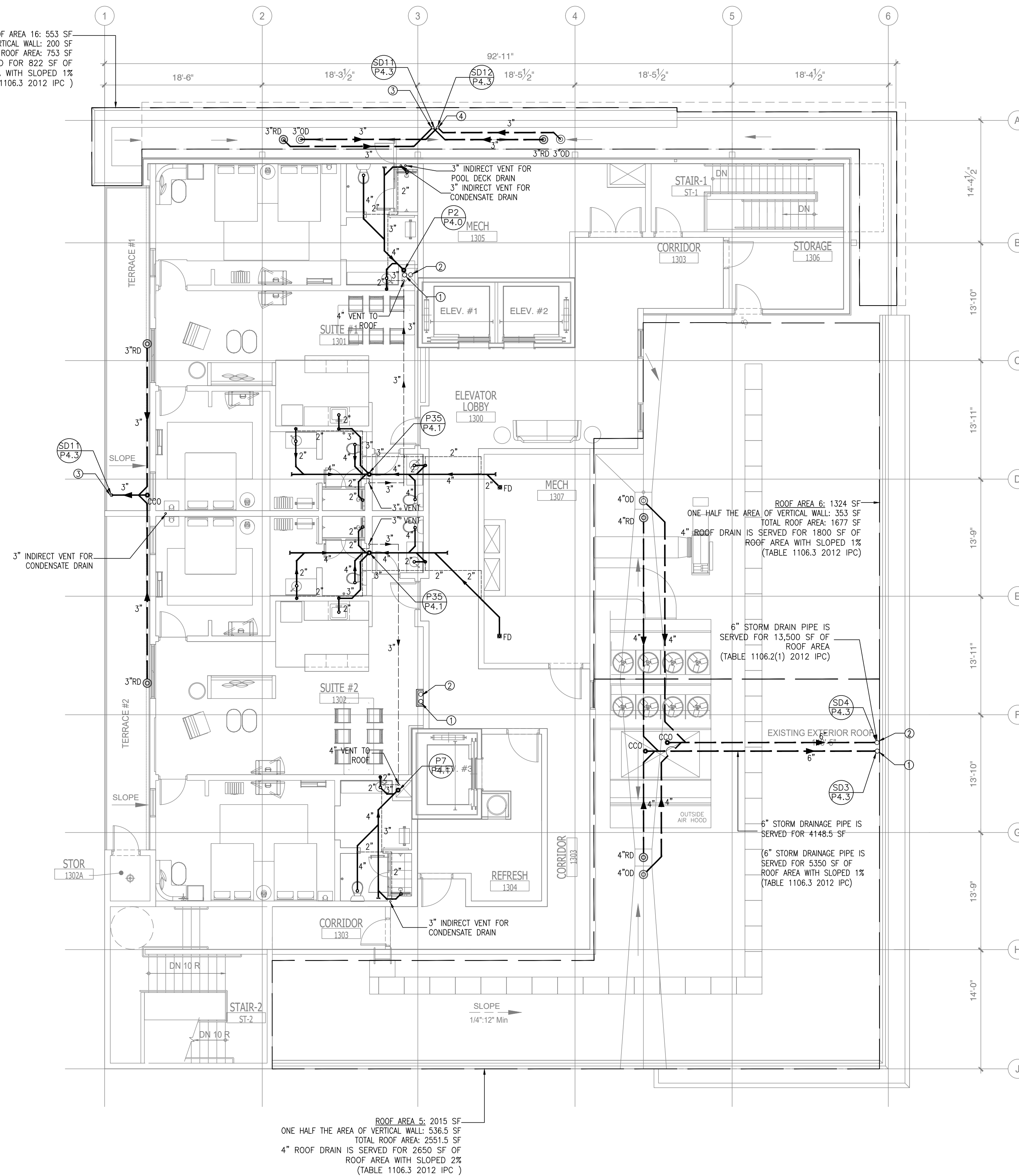
SANITARY SEWER TWELFTH FLOOR PLAN

SHEET **P2.12**



MAY 20, 2019

LOW ROOF AREA 16: 553 SF
 ONE HALF THE AREA OF VERTICAL WALL: 200 SF
 TOTAL ROOF AREA: 753 SF
 3" ROOF DRAIN IS SERVED FOR 822 SF OF
 ROOF AREA WITH SLOPED 1%
 (TABLE 1106.3 2012 IPC)



**1 SANITARY SEWER
 PENTHOUSE FLOOR PLAN**
 SCALE: 1/8"=1'-0"

- KEYED NOTES:**
- ① 6" ROOF DRAIN RISER
 - ② 6" OVERFLOW DRAIN RISER
 - ③ 3" ROOF DRAIN RISER
 - ④ 3" OVERFLOW DRAIN RISER

- INDIRECT VENTS:**
- VENT FOR CONDENSATE DRAIN
 - VENT FOR GREASE WASTE SYSTEM
 - VENT FOR LAUNDRY
 - VENT FOR POOL DECK DRAIN

NOTE:

- NEW BACKGROUND

NOTES:

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- CONTRACTOR TO SUPPLY THE TEMPERED WATER LIMITING DEVICE.
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- DRAIN SIZES FROM PLUMBING FIXTURES SHALL BE AS FOLLOWS:
 WATER CLOSETS- 4"
 BATHUB - 2"
 LAVATORY - 2"
 FLOOR DRAIN - 2"
 FLOOR SINK - 3"

ROOF DRAIN CALCULATION:

	ROOF AREA	ONE HALF OF THE AREA OF VERTICAL WALL	TOTAL AREA	NO. OF R.D.	SERVED AREA OF FA R.D.
ROOF AREA 5	2015	536.5	2551.5	1	2551.5
ROOF AREA 6	1324	353	1677	1	1677

BASE ON 2012 IPC TABLE 1106.3 AND APPENDIX B

- RAIN FALL IN INCHES PER HOUR: 4" (APPENDIX B)
- 4" ROOF DRAIN IS SERVED FOR 1,800 SF OF ROOF AREA WITH SLOPE 1% (TABLE 1106.3)
- 4" ROOF DRAIN IS SERVED FOR 2,650 SF OF ROOF AREA WITH SLOPE 2% (TABLE 1106.3)

=> THE LARGEST DRAINAGE AREA FOR ONE ROOF DRAIN IS 1,800 SF (SLOPE 1%), 2650 SF (SLOPE 2%)
 OVER FLOW DRAIN SHALL BE THE SAME SIZE AS R.D. AND SET 2" ABOVE R.D.

	ROOF AREA	ONE HALF OF THE AREA OF VERTICAL WALL	TOTAL AREA	NO. OF R.D.	SERVED AREA OF FA R.D.
ROOF AREA 16	553	200	753	2	376.5

BASE ON 2012 IPC TABLE 1106.3 AND APPENDIX B

- RAIN FALL IN INCHES PER HOUR: 4" (APPENDIX B)
- 3" ROOF DRAIN IS SERVED FOR 822 SF OF ROOF AREA WITH SLOPE 1% (TABLE 1106.3)

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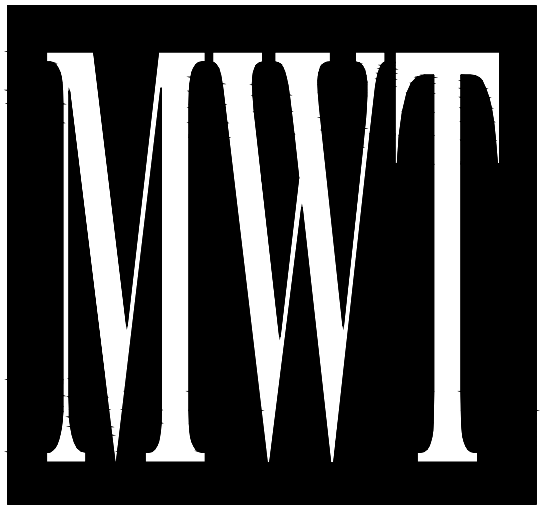
	ROOF AREA	ONE HALF OF THE AREA OF VERTICAL WALL	TOTAL AREA	NO. OF R.D.	SERVED AREA OF FA R.D.
TERRACE 1	210	209	420	1	420
TERRACE 2	210	209	420	1	420

BASE ON 2012 IPC TABLE 1106.3 AND APPENDIX B

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- 3" ROOF DRAIN IS SERVED FOR 822 SF OF ROOF AREA WITH SLOPE 1% (TABLE 1106.3)

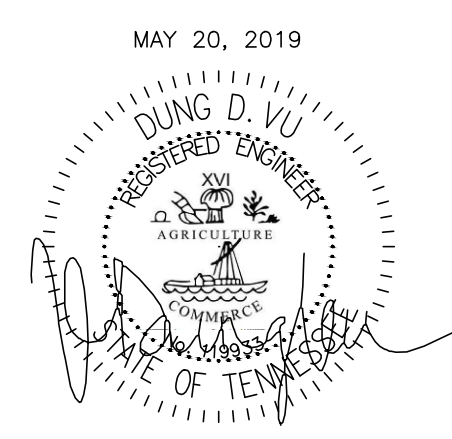
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 DOWNTOWN
 63 NORTH B.B. KING BLVD.
 MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
 DATE: 07-21-2017
 DRAWN BY: PL
 CHKD. BY: DV

SANITARY SEWER
 PENTHOUSE FLOOR
 PLAN

SHEET P2.13

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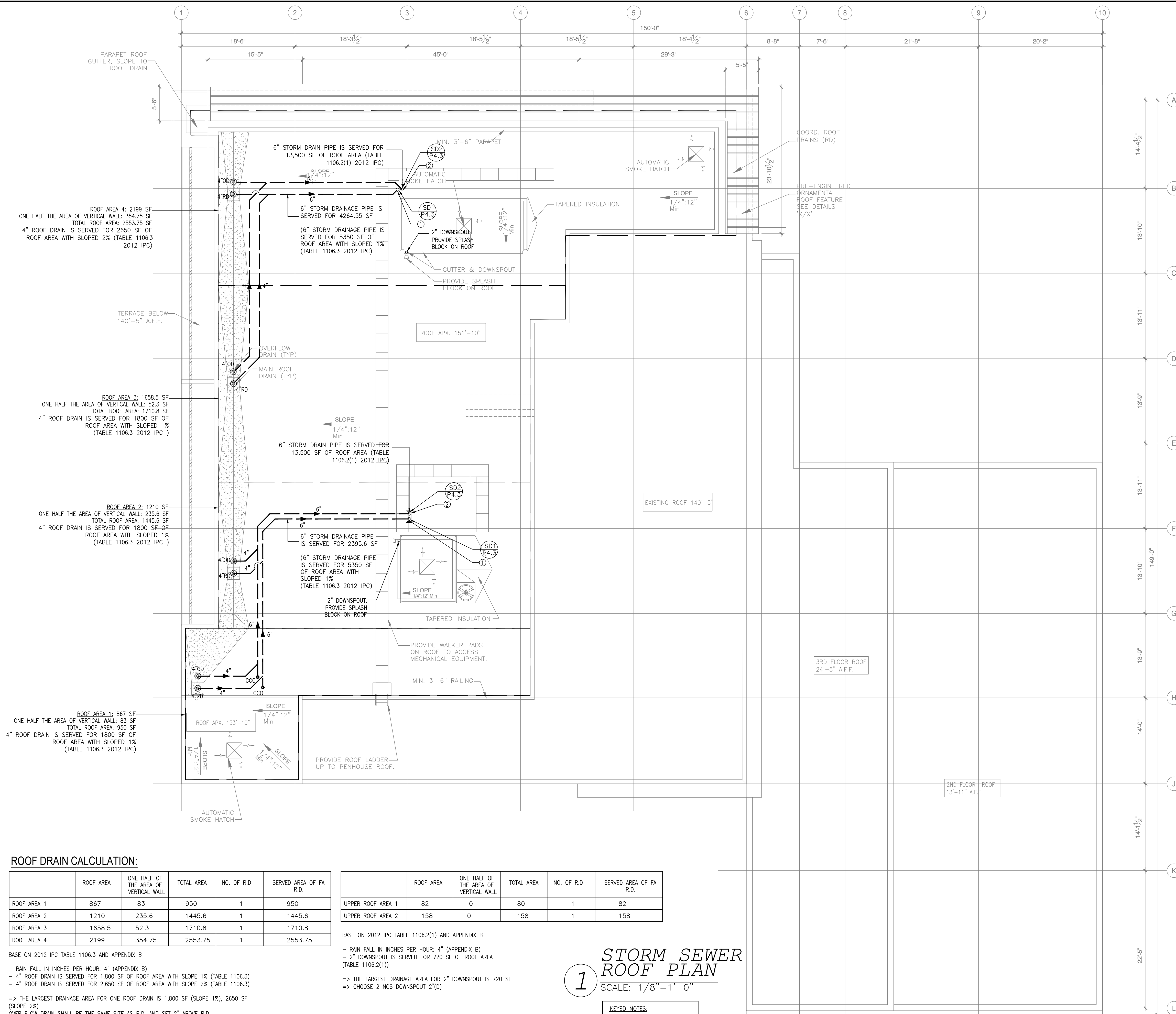
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 FLOOR DRAIN - 2"
 FLOOR SINK - 3"



ROOF DRAIN CALCULATION:

ROOF AREA	ROOF AREA	ONE HALF OF THE AREA OF VERTICAL WALL	TOTAL AREA	NO. OF R.D.	SERVED AREA OF FA R.D.
ROOF AREA 1	867	83	950	1	950
ROOF AREA 2	1210	235.6	1445.6	1	1445.6
ROOF AREA 3	1658.5	52.3	1710.8	1	1710.8
ROOF AREA 4	2199	354.75	2553.75	1	2553.75

- BASE ON 2012 IPC TABLE 1106.3 AND APPENDIX B
- RAIN FALL IN INCHES PER HOUR: 4" (APPENDIX B)
 - 4" ROOF DRAIN IS SERVED FOR 1,800 SF OF ROOF AREA WITH SLOPE 1% (TABLE 1106.3)
 - 4" ROOF DRAIN IS SERVED FOR 2,650 SF OF ROOF AREA WITH SLOPE 2% (TABLE 1106.3)
- => THE LARGEST DRAINAGE AREA FOR ONE ROOF DRAIN IS 1,800 SF (SLOPE 1%), 2650 SF (SLOPE 2%)
- OVER FLOW DRAIN SHALL BE THE SAME SIZE AS R.D. AND SET 2" ABOVE R.D.

ROOF AREA	ROOF AREA	ONE HALF OF THE AREA OF VERTICAL WALL	TOTAL AREA	NO. OF R.D.	SERVED AREA OF FA R.D.
UPPER ROOF AREA 1	82	0	80	1	82
UPPER ROOF AREA 2	158	0	158	1	158

- BASE ON 2012 IPC TABLE 1106.2(1) AND APPENDIX B
- RAIN FALL IN INCHES PER HOUR: 4" (APPENDIX B)
 - 2" DOWNSPOUT IS SERVED FOR 720 SF OF ROOF AREA (TABLE 1106.2(1))
- => THE LARGEST DRAINAGE AREA FOR 2" DOWNSPOUT IS 720 SF
- => CHOOSE 2 NOS DOWNSPOUT 2"(0)

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

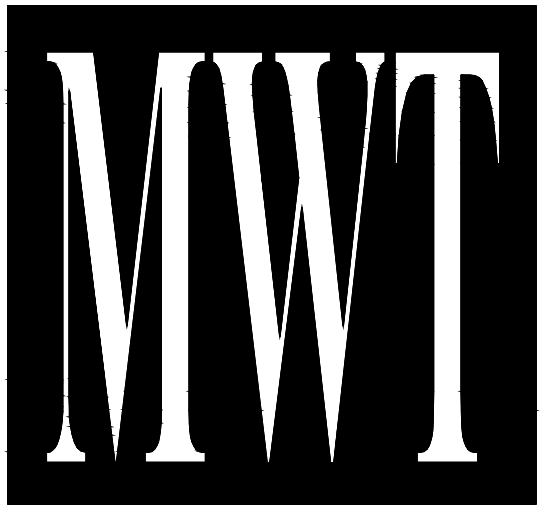
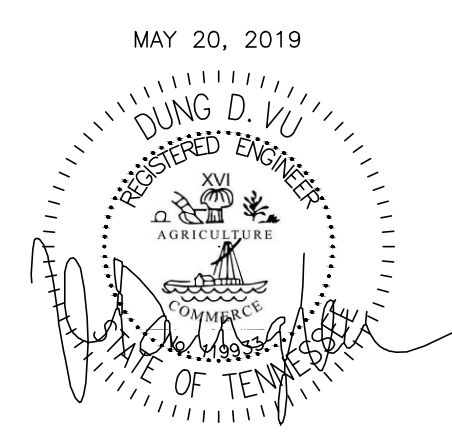
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 - ② 6" OVERFLOW DRAIN RISER
 - ③ 3" ROOF DRAIN RISER
 - ④ 3" OVERFLOW DRAIN RISER
 - ⑤ 4" ROOF DRAIN RISER
 - ⑥ 4" OVERFLOW DRAIN RISER
 - ⑦ 8" ROOF DRAIN RISER
 - ⑧ 8" OVERFLOW DRAIN RISER

NOTE:
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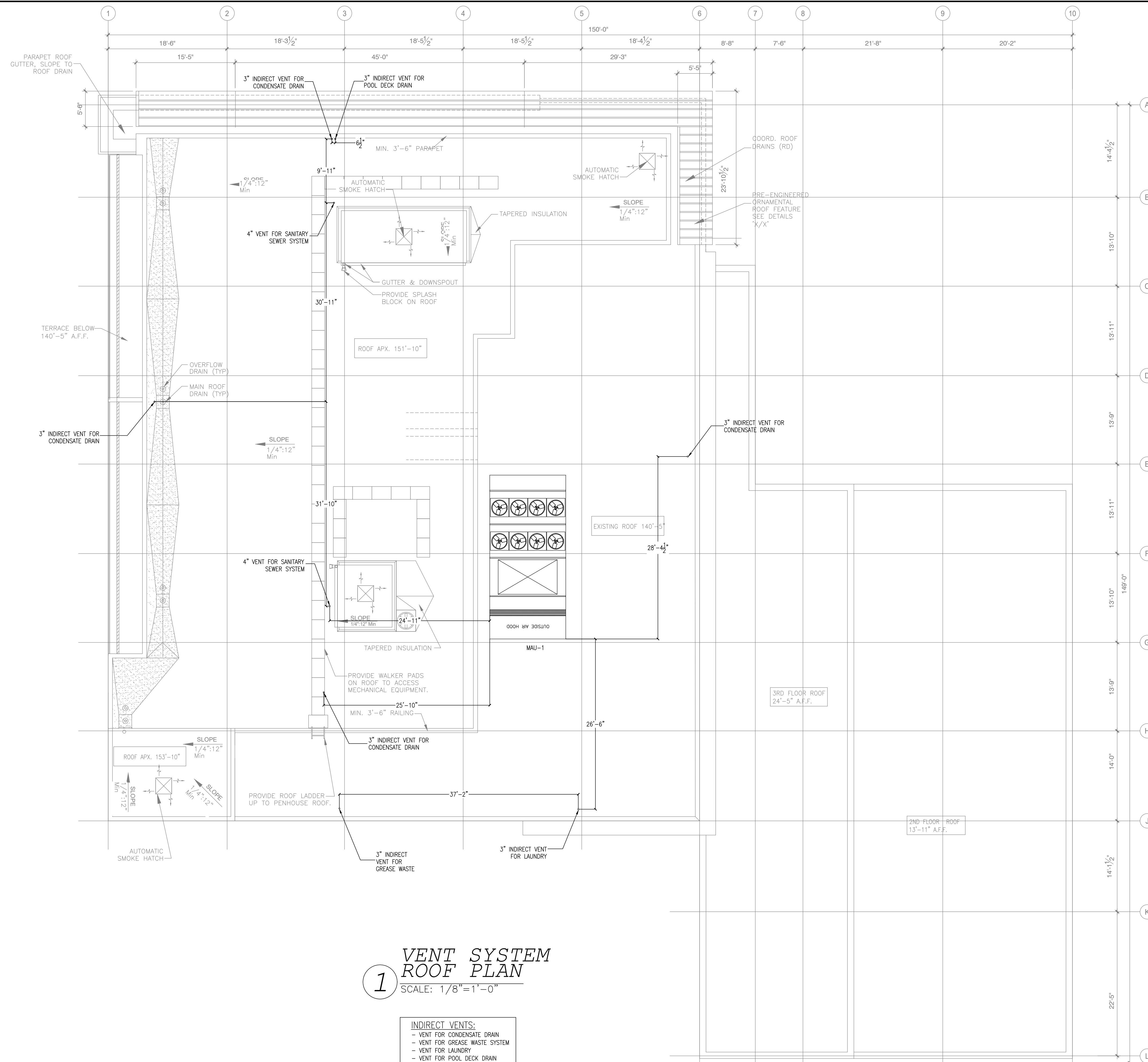
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PROJECT NO.: 16 006
DATE: 07-21-2017
DRAWN BY: PL
CHKD. BY: DV

STORM SEWER ROOF PLAN

SHEET P2.14

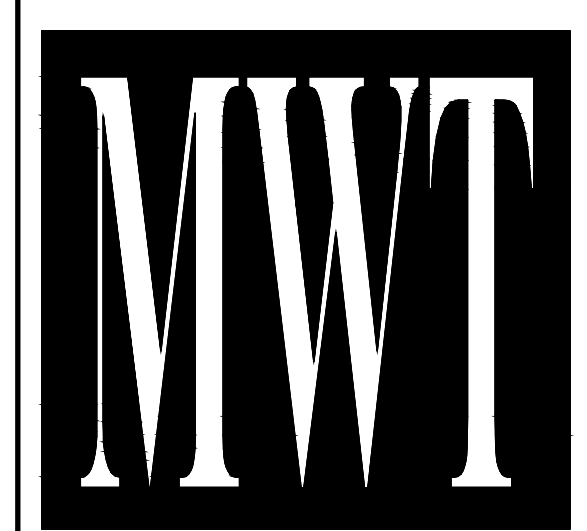


1 VENT SYSTEM ROOF PLAN
SCALE: 1/8" = 1'-0"

- INDIRECT VENTS:**
- VENT FOR CONDENSATE DRAIN
 - VENT FOR GREASE WASTE SYSTEM
 - VENT FOR LAUNDRY
 - VENT FOR POOL DECK DRAIN

NOTE:
• NEW BACKGROUND

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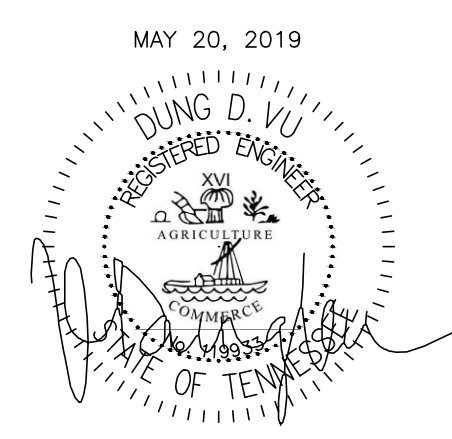
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63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 07-21-2017
DRAWN BY: PL
CHKD. BY: DV

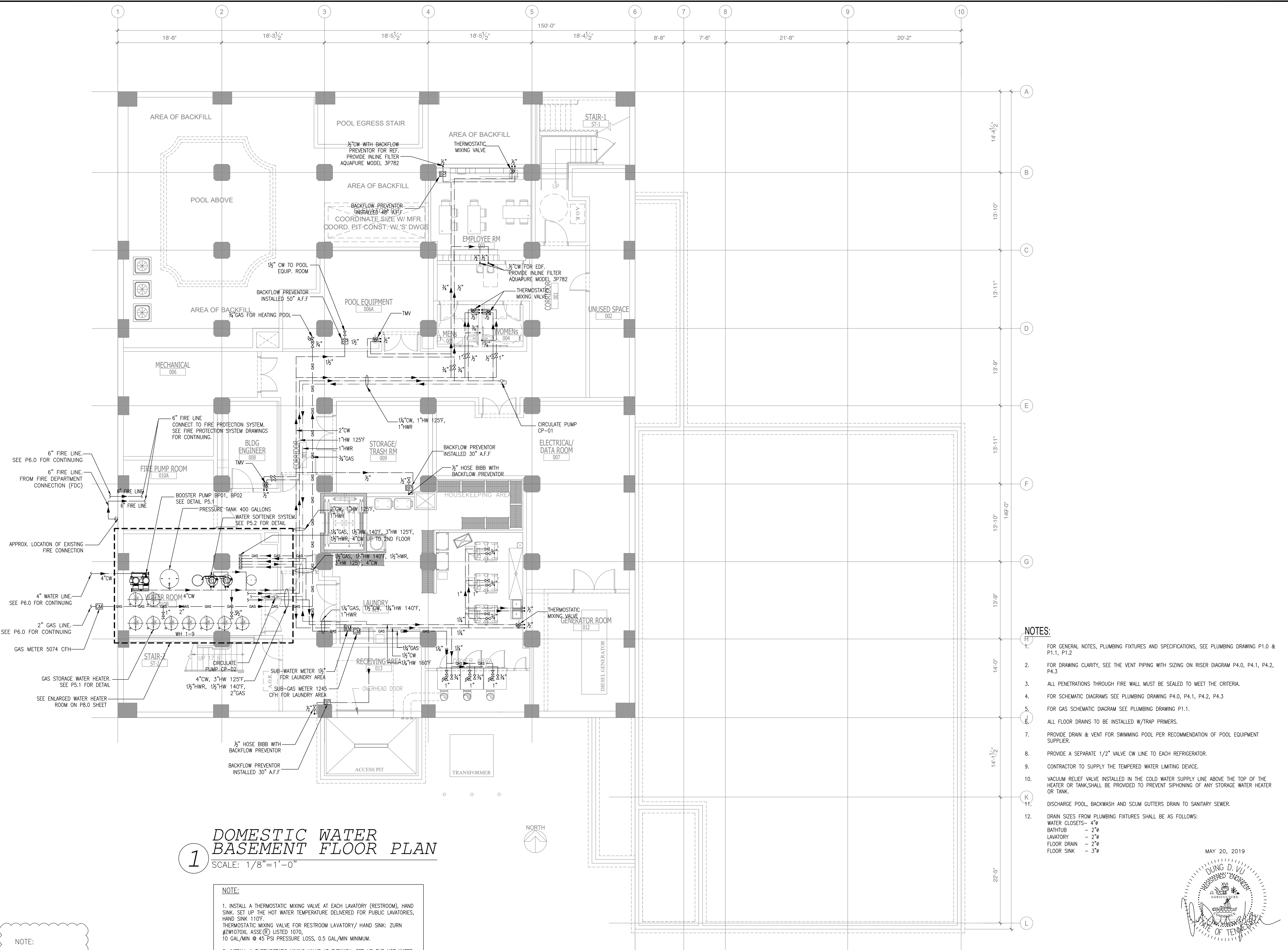
VENT SYSTEM ROOF PLAN

SHEET **P2.15**



IMPORTANT NOTICE TO ALL CONTRACTORS AND/OR SUBCONTRACTORS: (COMPLETE BUILDING SYSTEMS AND/OR INSTALLATIONS)
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2. YOUR BID INCLUDED ALL THE STEPS, PROCESSES, MATERIALS, PRODUCTS, GOVERNING PERMITS AND APPROVALS NECESSARY TO PROVIDE A COMPLETED AND WARRANTED SYSTEM ON INSTALLATION THAT DOES NOT REQUIRE ANOTHER CONTRACTOR OR PRODUCT TO COMPLETE YOUR SCOPE OF WORK.
3. YOUR BID MUST HAVE INCLUDED ANY DESIGN INFORMATION REFERENCED WITHIN ANY CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND/OR PLUMBING DRAWINGS; ALSO NOTE THESE DRAWINGS ARE SCHEMATIC AND ARE INTENDED TO SHOW ONLY BASIC CONCEPTS AND GENERAL INFORMATION. THE COMPLETION OF YOUR WORK MAY INCLUDE OTHER STEPS, PROCESSES, MATERIALS, PRODUCTS, LABOR, GOVERNING PERMITS AND/OR APPROVALS NECESSARY TO PROVIDE A COMPLETE SYSTEM INSTALLATION WHETHER SUGGESTED ON THE DRAWINGS OR NOT.
4. AS AN EXAMPLE, ITEMS AND/OR TASKS LIKE: THE CALL, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DIMENSIONS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR UNCOMPLETED WORK WILL BE BILLED BACK TO THE CONTRACTOR AND/OR SUBCONTRACTOR, AT THE OWNERS' DISCRETION.

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8	ISSUED FOR PERMIT	02/21/18	PL
9	ISSUED FOR PERMIT	04/11/18	PL
10	ISSUED TO FRANCHISE	04/23/19	PL
11	ISSUED TO FRANCHISE	05/20/19	PL



1 DOMESTIC WATER BASEMENT FLOOR PLAN

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

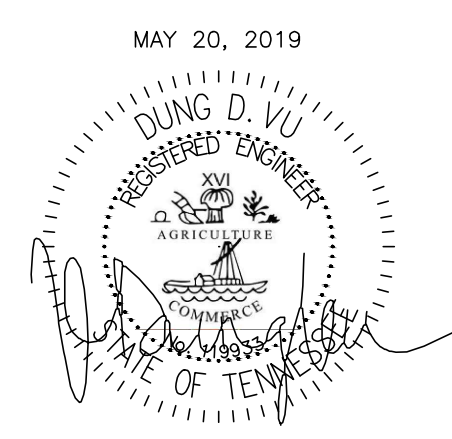
- NOTE:**
1. INSTALL A THERMOSTATIC MIXING VALVE AT EACH LAVATORY (RESTROOM), HAND SINK. SET UP THE HOT WATER TEMPERATURE DELIVERED FOR PUBLIC LAVATORIES, HAND SINK 110°F. THERMOSTATIC MIXING VALVE FOR RESTROOM LAVATORY/ HAND SINK: ZURN #ZM1070XL ASSE (E) LISTED 1070.
 2. INSTALL A THERMOSTATIC MIXING VALVE AT EYEWASH. SET UP THE HOT WATER TEMPERATURE DELIVERED FOR EYEWASH TO BE BETWEEN 85 AND 90 DEGREES.
 3. PROVIDE MULTIPLE VALVE PRY FOR EACH ZONE TO DELIVER THE REQUIRE FLOW AND PRESSURE MAXIMUM VELOCITY OF 8 FEET PER SECOND

NOTE:

- NEW BACKGROUND

1. THE PLUMBING CONTRACTOR MUST PREPARE SHOP DRAWING TO COORDINATE WITH STRUCTURAL ENGINEER BEFORE INSTALLING AND GUARANTEE THE WATER, SEWER AND STORM LINE DO NOT RUNNING ALONG WITH THE GRADE BEAMS.
2. THE CONTRACTOR MUST PERFORM THE COLD/HOT WATER BALANCING TO ENSURE SUFFICIENT HOT WATER THAT DELIVERS TO EVERY GUESTROOM UNIT BEFORE CEILING TILE IS INSTALLED

- NOTES:**
1. FOR GENERAL NOTES, PLUMBING FIXTURES AND SPECIFICATIONS, SEE PLUMBING DRAWING P1.0 & P1.1, P1.2
 2. FOR DRAWING CLARITY, SEE THE VENT PIPING WITH SIZING ON RISER DIAGRAM P4.0, P4.1, P4.2, P4.3
 3. ALL PENETRATIONS THROUGH FIRE WALL MUST BE SEALED TO MEET THE CRITERIA.
 4. FOR SCHEMATIC DIAGRAMS SEE PLUMBING DRAWING P4.0, P4.1, P4.2, P4.3
 5. FOR GAS SCHEMATIC DIAGRAM SEE PLUMBING DRAWING P1.1.
 6. ALL FLOOR DRAINS TO BE INSTALLED W/TRAP PRIMERS.
 7. PROVIDE DRAIN & VENT FOR SWIMMING POOL PER RECOMMENDATION OF POOL EQUIPMENT SUPPLIER.
 8. PROVIDE A SEPARATE 1/2" VALVE CW LINE TO EACH REFRIGERATOR.
 9. CONTRACTOR TO SUPPLY THE TEMPERED WATER LIMITING DEVICE.
 10. VACUUM RELIEF VALVE INSTALLED IN THE COLD WATER SUPPLY LINE ABOVE THE TOP OF THE HEATER OR TANK. SHALL BE PROVIDED TO PREVENT SIPHONING OF ANY STORAGE WATER HEATER OR TANK.
 11. DISCHARGE POOL, BACKWASH AND SCUM GUTTERS DRAIN TO SANITARY SEWER.
 12. DRAIN SIZES FROM PLUMBING FIXTURES SHALL BE AS FOLLOWS:
 WATER CLOSETS - 4"
 BATHUB - 2"
 LAVATORY - 2"
 FLOOR DRAIN - 2"
 FLOOR SINK - 3"

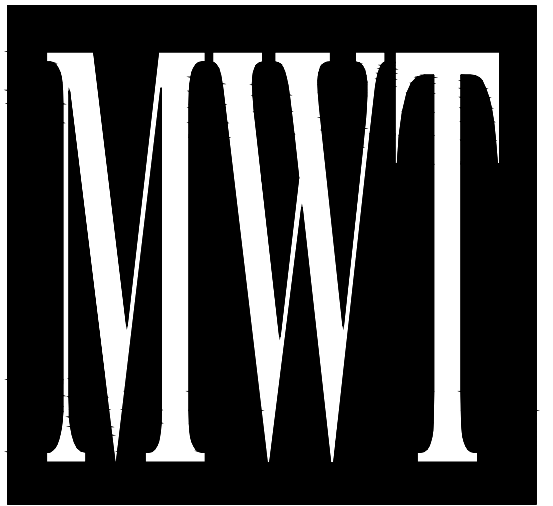


MAY 20, 2019

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ALOFT
MEMPHIS
DOWNTOWN

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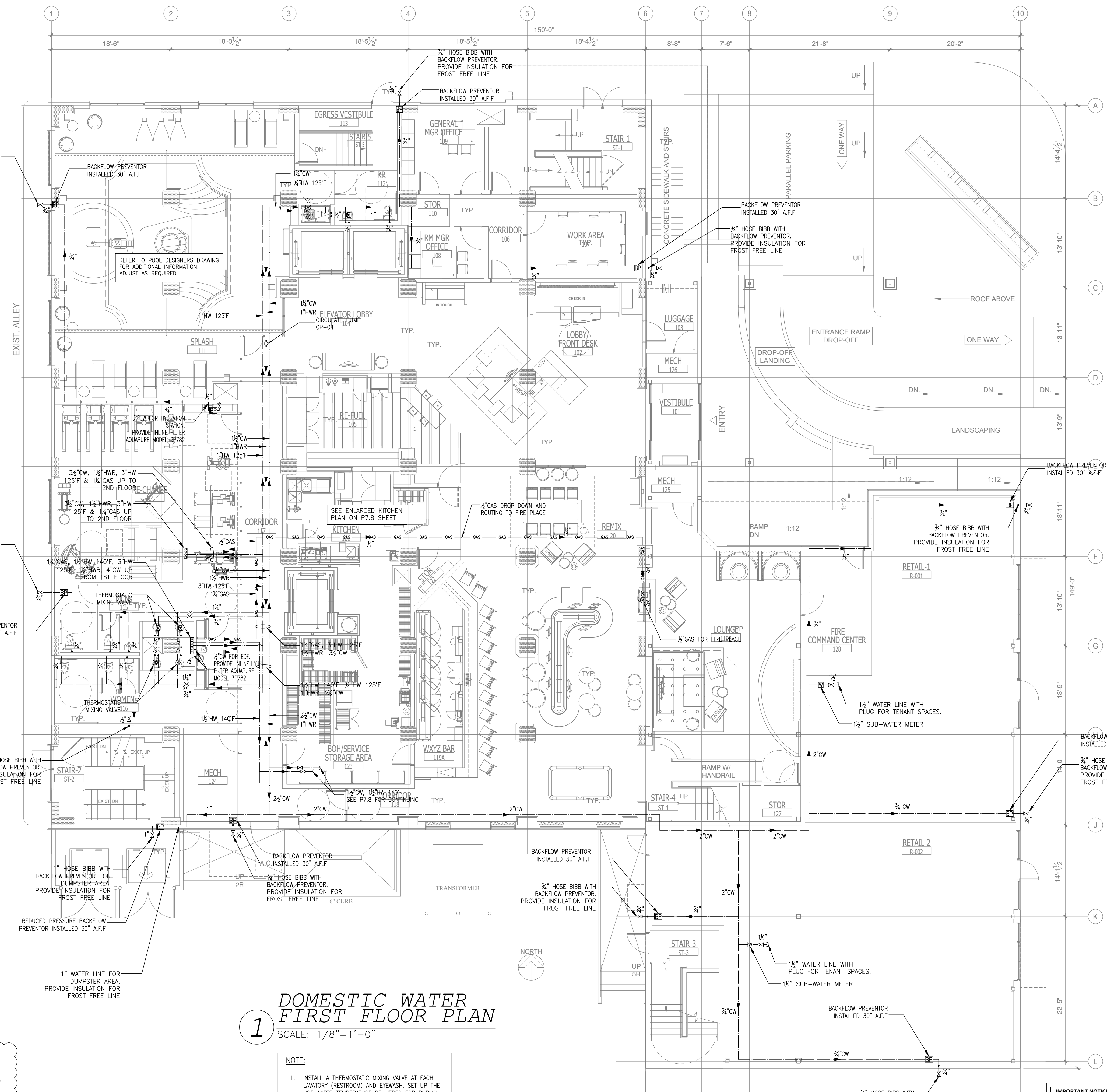
DOMESTIC WATER
BASEMENT FLOOR
PLAN

SHEET P3.0

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NOTES:

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- PROVIDE DRAIN & VENT FOR SWIMMING POOL PER RECOMMENDATION OF POOL EQUIPMENT SUPPLIER.
- PROVIDE A SEPARATE 1/2" VALVE CW LINE TO EACH REFRIGERATOR.
- CONTRACTOR TO SUPPLY THE TEMPERED WATER LUMING DEVICE.
- VACUUM RELIEF VALVE INSTALLED IN THE COLD WATER SUPPLY LINE ABOVE THE TOP OF THE HEATER OR TANK SHALL BE PROVIDED TO PREVENT SIPHONING OF ANY STORAGE WATER HEATER OR TANK.
- DISCHARGE POOL, BACKWASH AND SCUM GUTTERS DRAIN TO SANITARY SEWER.
- DRAIN SIZES FROM PLUMBING FIXTURES SHALL BE AS FOLLOWS:
 WATER CLOSETS - 4"φ
 BATHUB - 2"φ
 LAVATORY - 2"φ
 FLOOR DRAIN - 2"φ
 FLOOR SINK - 3"φ



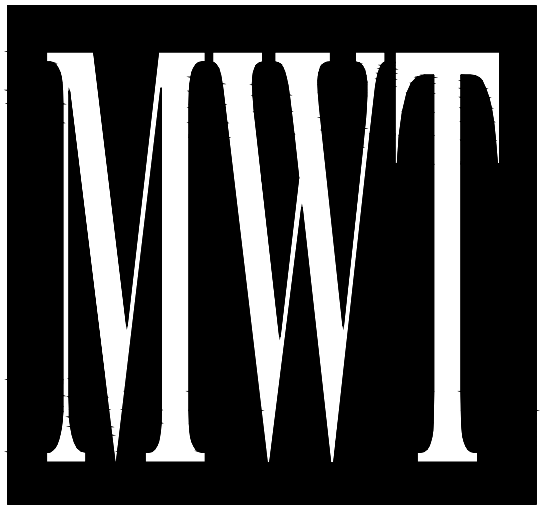
1 DOMESTIC WATER FIRST FLOOR PLAN
 SCALE: 1/8" = 1'-0"

NOTE:
 • NEW BACKGROUND

- NOTE:
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 - PROVIDE MULTIPLE VALVE PRV FOR EACH ZONE TO DELIVER THE REQUIRE FLOW AND PRESSURE MAXIMUM VELOCITY OF 8 FEET PER SECOND

- THE PLUMBING CONTRACTOR MUST PREPARE SHOP DRAWING TO COORDINATE WITH STRUCTURAL ENGINEER BEFORE INSTALLING AND GUARANTEE THE WATER, SEWER AND STORM LINE DO NOT RUNNING ALONG WITH THE GRADE BEAMS.
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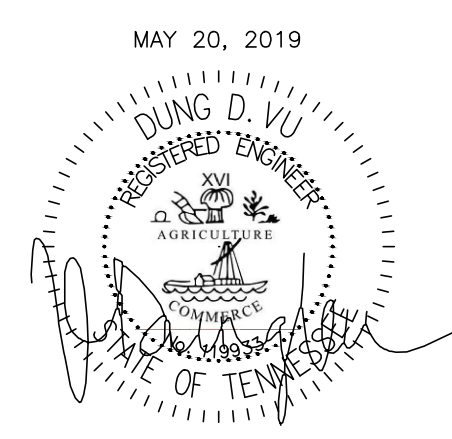
ALOFT MEMPHIS DOWNTOWN

63 NORTH B.B. KING BLVD.
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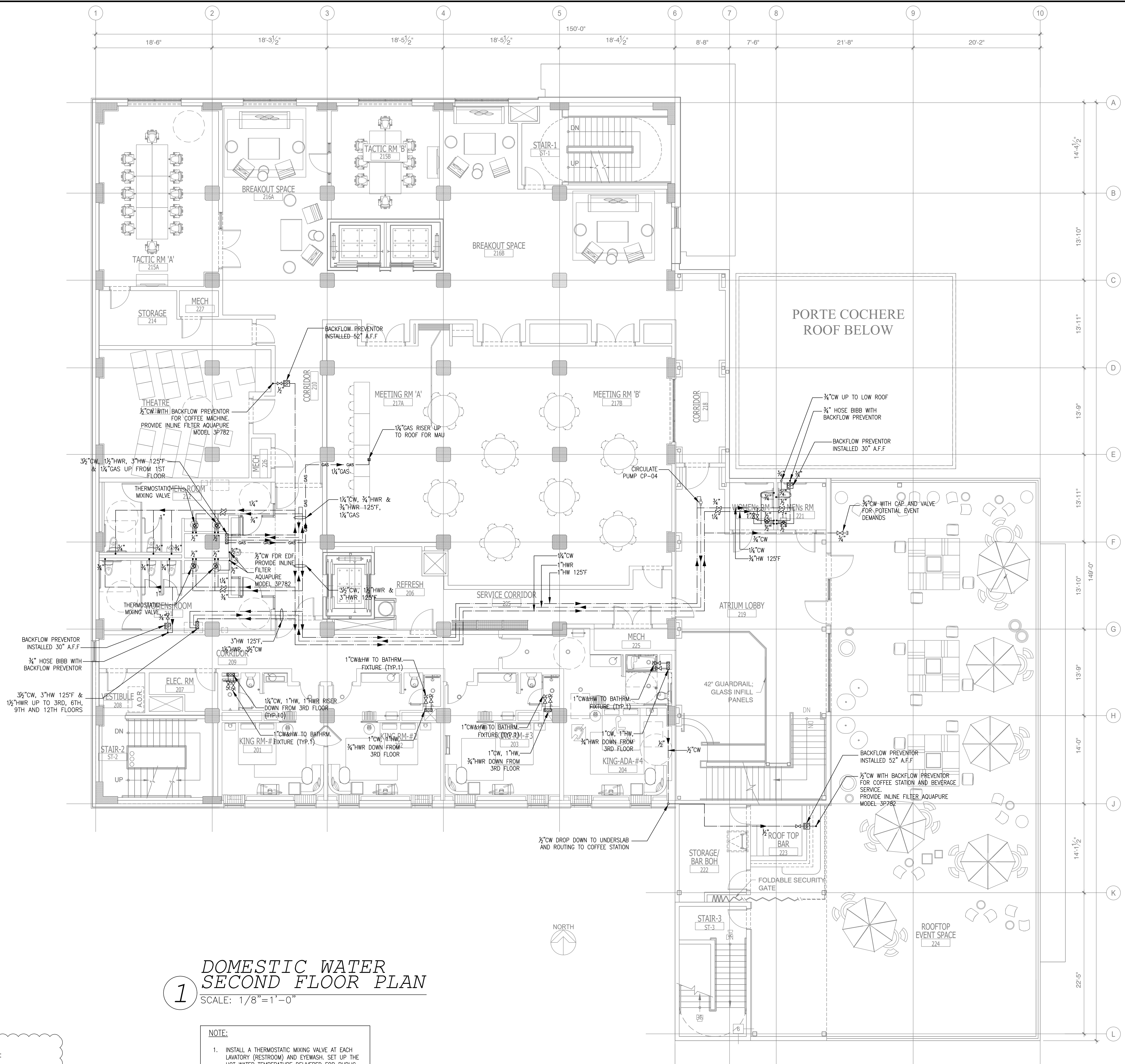
PROJECT NO.: 16 006
 DATE: 07-21-2017
 DRAWN BY: PL
 CHKD. BY: DV

DOMESTIC WATER FIRST FLOOR PLAN

SHEET **P3.1**



MAY 20, 2019



1 DOMESTIC WATER SECOND FLOOR PLAN
SCALE: 1/8"=1'-0"

NOTE:
• NEW BACKGROUND

- NOTE:
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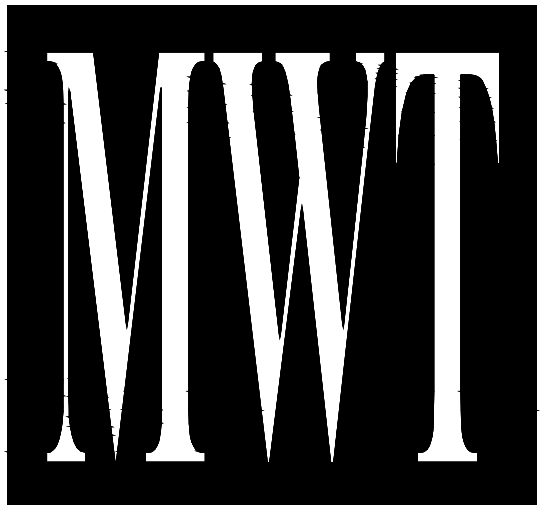
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NOTES:

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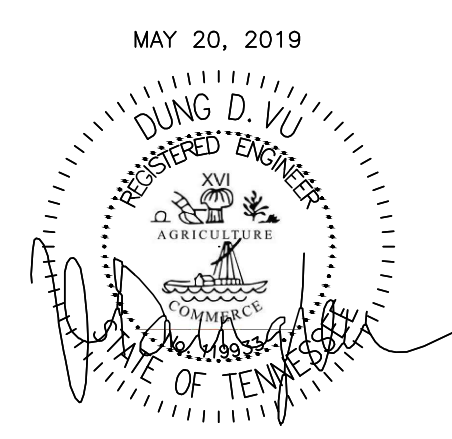
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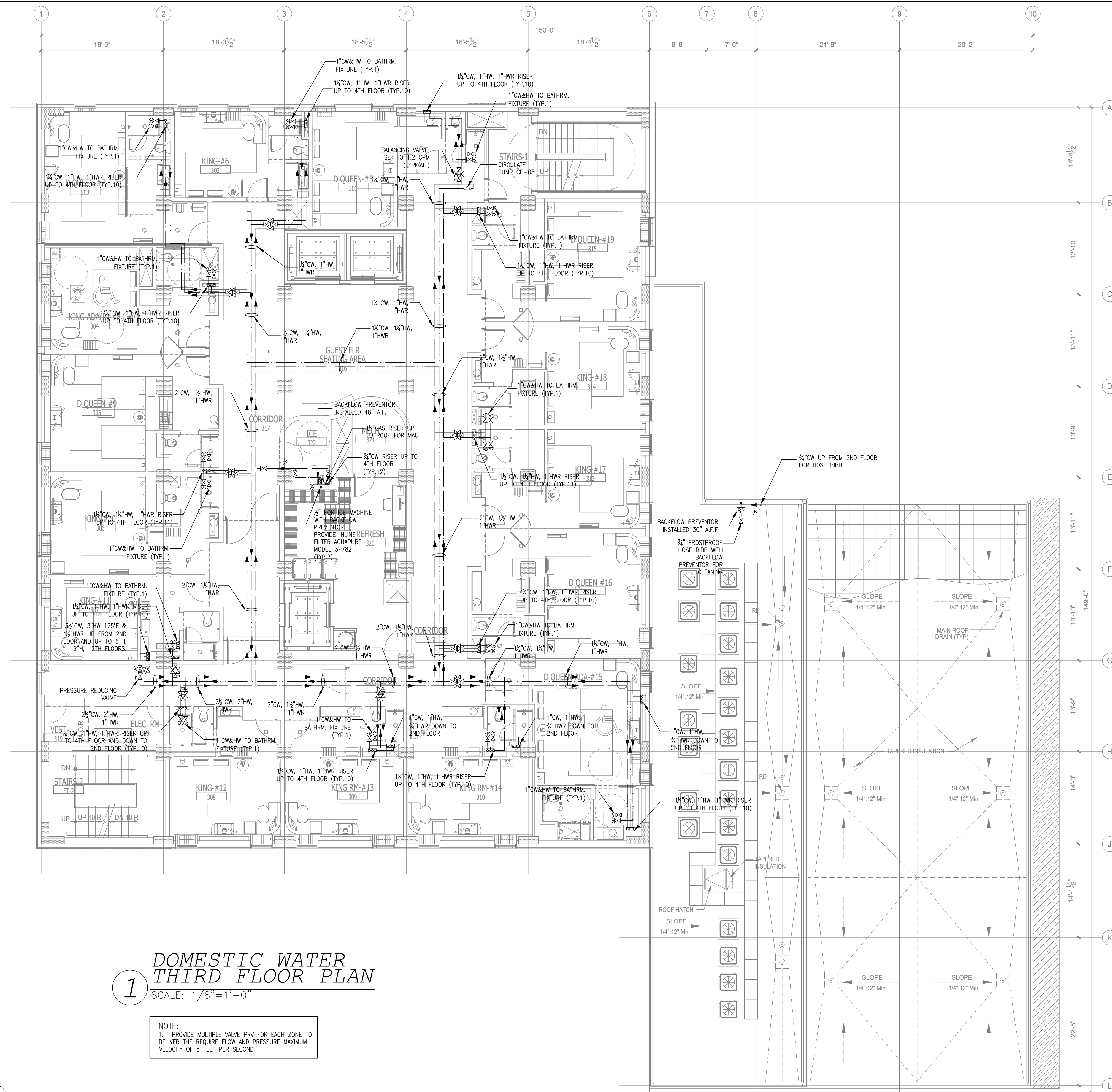


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CHKD. BY: DV

DOMESTIC WATER SECOND FLOOR PLAN

SHEET P3.2



- NOTES:**
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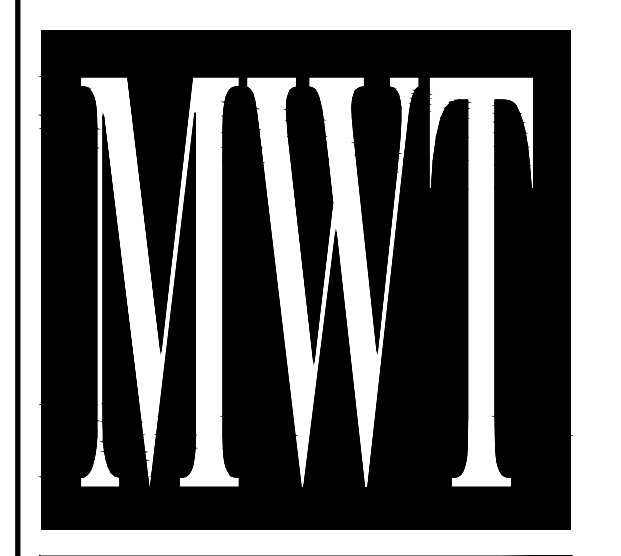
1 DOMESTIC WATER THIRD FLOOR PLAN
 SCALE: 1/8"=1'-0"

NOTE:
 1. PROVIDE MULTIPLE VALVE PRV FOR EACH ZONE TO DELIVER THE REQUIRE FLOW AND PRESSURE MAXIMUM VELOCITY OF 8 FEET PER SECOND

NOTE:
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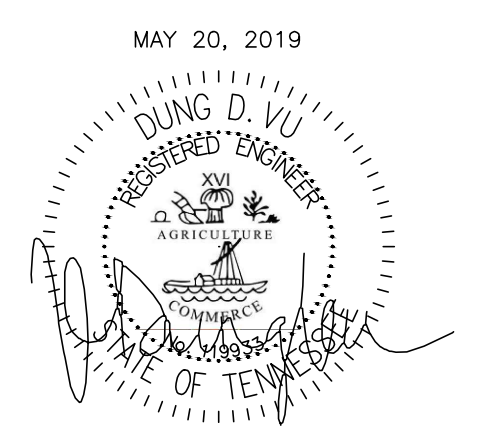
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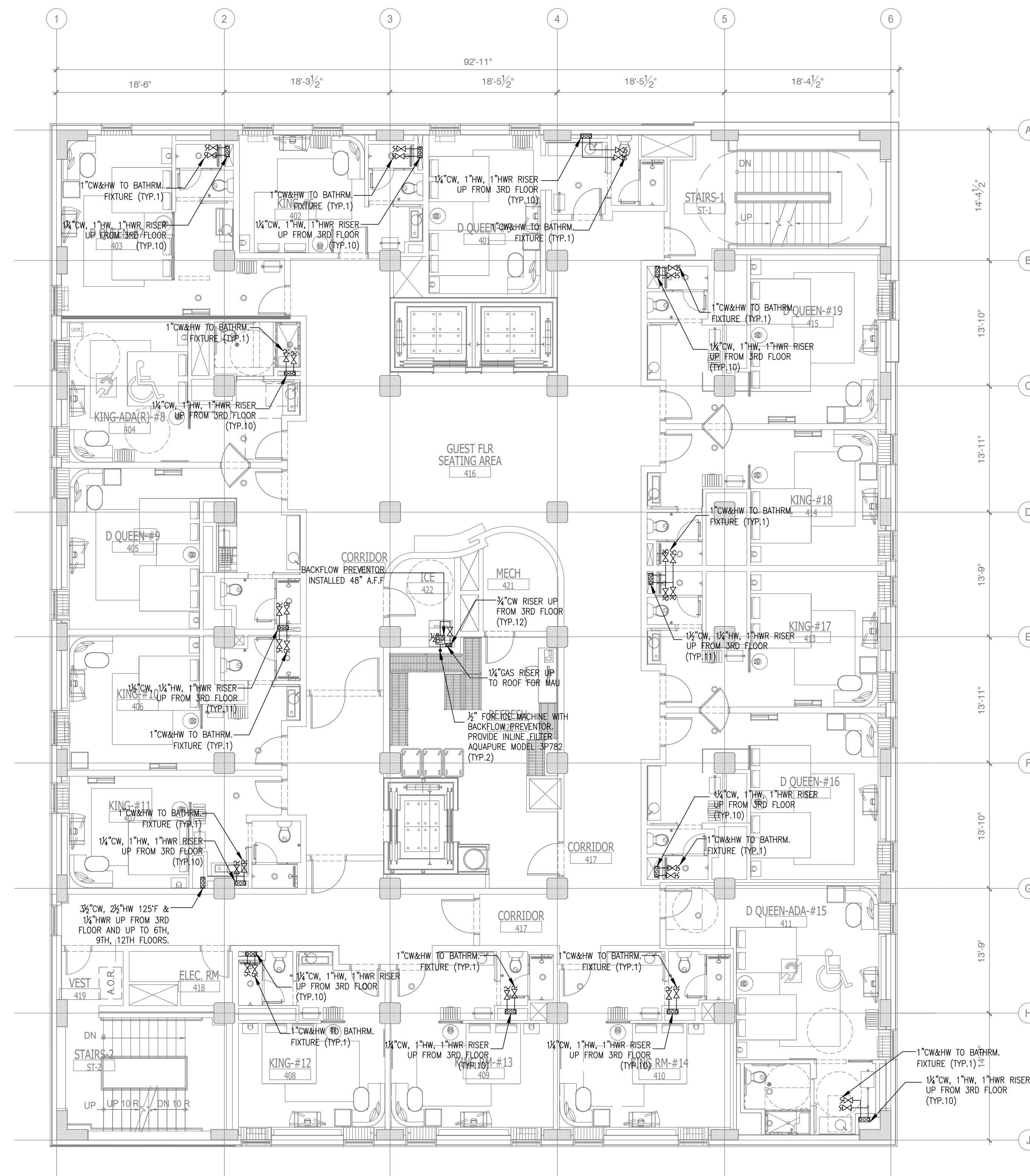
**DOMESTIC WATER
 THIRD FLOOR PLAN**

SHEET **P3.3**

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MAY 20, 2019



NOTES:

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- FOR DRAWING CLARITY, SEE THE VENT PIPING WITH SIZING ON RISER DIAGRAM P4.0, P4.1, P4.2, P4.3
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- ALL FLOOR DRAINS TO BE INSTALLED W/TRAP PRIMERS.
- PROVIDE DRAIN & VENT FOR SWIMMING POOL PER RECOMMENDATION OF POOL EQUIPMENT SUPPLIER.
- PROVIDE A SEPARATE 1/2" VALVE CW LINE TO EACH REFRIGERATOR.
- CONTRACTOR TO SUPPLY THE TEMPERED WATER LIMITING DEVICE.
- VACUUM RELIEF VALVE INSTALLED IN THE COLD WATER SUPPLY LINE ABOVE THE TOP OF THE HEATER OR TANK, SHALL BE PROVIDED TO PREVENT SIPHONING OF ANY STORAGE WATER HEATER OR TANK.
- DISCHARGE POOL, BACKWASH AND SCUM GUTTERS DRAIN TO SANITARY SEWER.
- DRAIN SIZES FROM PLUMBING FIXTURES SHALL BE AS FOLLOWS:
 WATER CLOSETS - 4"
 BATHTUB - 2"
 LAVATORY - 2"
 FLOOR DRAIN - 2"
 FLOOR SINK - 3"

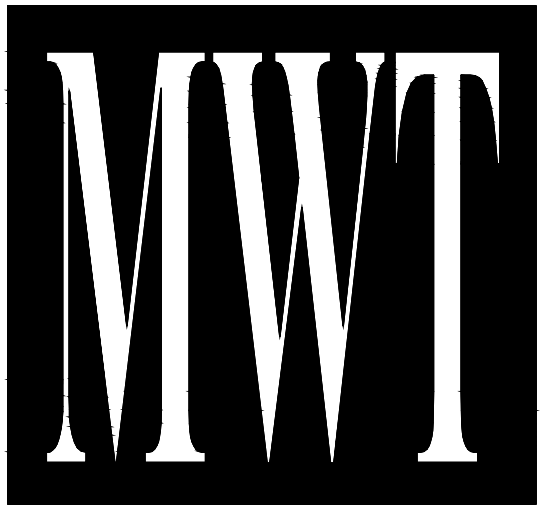
**1 DOMESTIC WATER
FOURTH FLOOR PLAN**
SCALE: 1/8"=1'-0"

NOTE:
1. PROVIDE MULTIPLE VALVE PRV FOR EACH ZONE TO DELIVER THE REQUIRE FLOW AND PRESSURE MAXIMUM VELOCITY OF 8 FEET PER SECOND

NOTE:
• NEW BACKGROUND

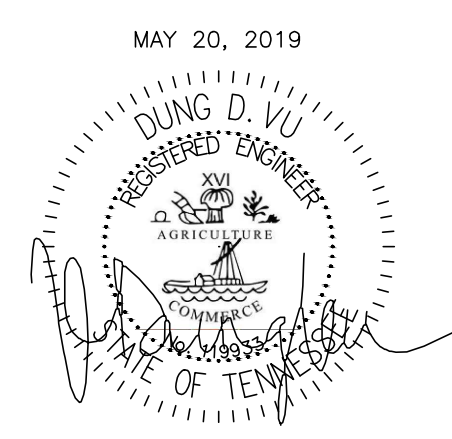
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- THE CONTRACTOR MUST PERFORM THE COLD/HOT WATER BALANCING TO ENSURE SUFFICIENT HOT WATER THAT DELIVERS TO EVERY GUESTROOM UNIT BEFORE CEILING TILE IS INSTALLED

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MAY 20, 2019

**ALOFT
MEMPHIS
DOWNTOWN**

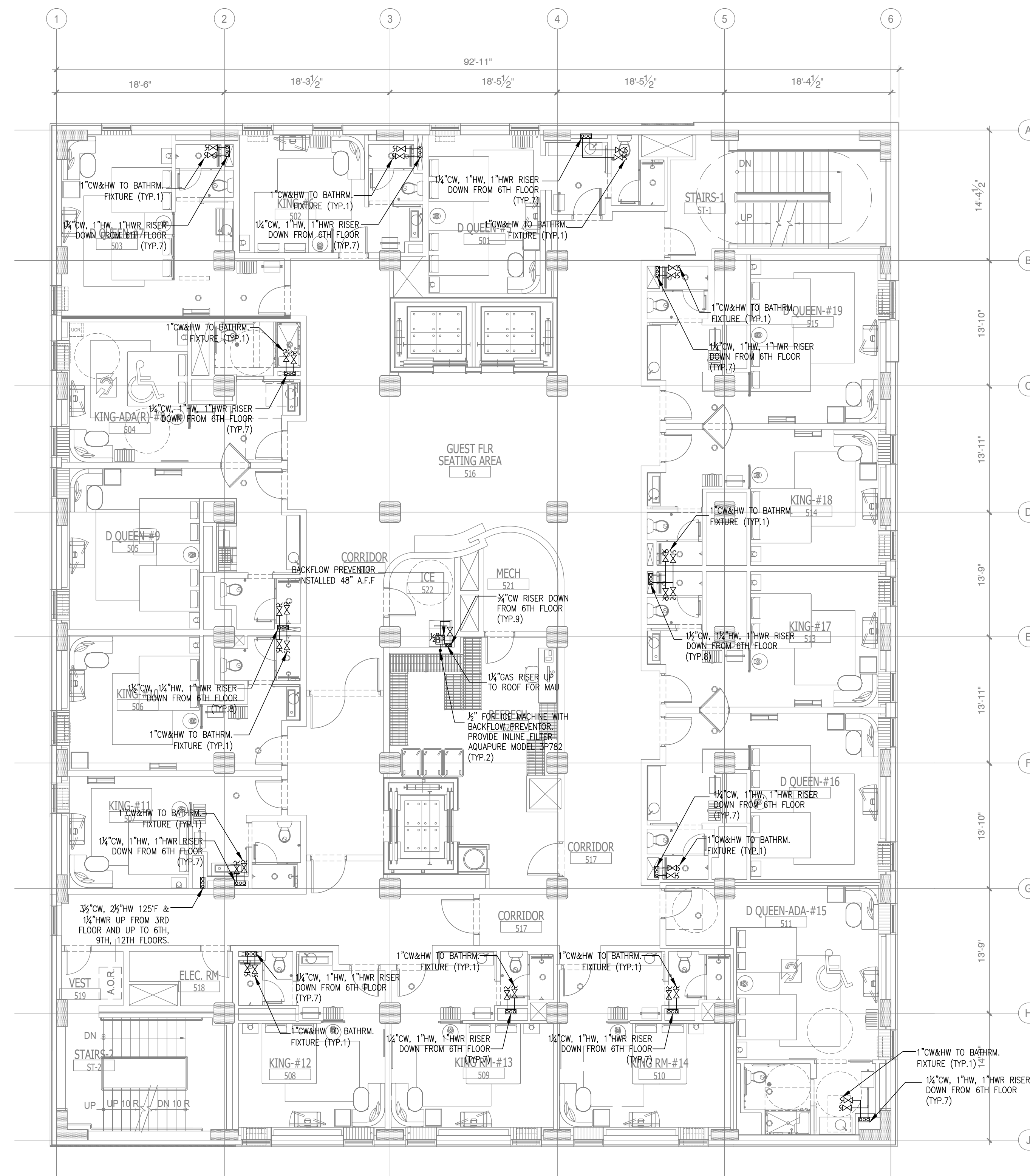
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 07-21-2017
DRAWN BY: PL
CHKD. BY: DV

**DOMESTIC WATER
FOURTH FLOOR PLAN**

SHEET **P3.4**

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1 DOMESTIC WATER
FIFTH FLOOR PLAN
SCALE: 1/8"=1'-0"

NOTE:
• NEW BACKGROUND

1. THE PLUMBING CONTRACTOR MUST PREPARE SHOP DRAWING TO COORDINATE WITH STRUCTURAL ENGINEER BEFORE INSTALLING AND GUARANTEE THE WATER, SEWER AND STORM LINE DO NOT RUNNING ALONG WITH THE GRADE BEAMS.
2. THE CONTRACTOR MUST PERFORM THE COLD/HOT WATER BALANCING TO ENSURE SUFFICIENT HOT WATER THAT DELIVERS TO EVERY GUESTROOM UNIT BEFORE CEILING TILE IS INSTALLED

NOTES:

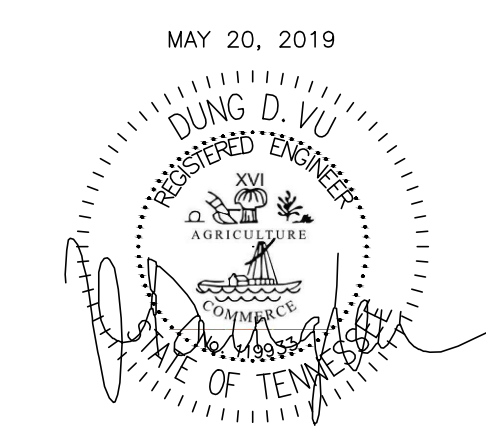
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6. ALL FLOOR DRAINS TO BE INSTALLED W/TRAP PRIMERS.
7. PROVIDE DRAIN & VENT FOR SWIMMING POOL PER RECOMMENDATION OF POOL EQUIPMENT SUPPLIER.
8. PROVIDE A SEPARATE 1/2" VALVE CW LINE TO EACH REFRIGERATOR.
9. CONTRACTOR TO SUPPLY THE TEMPERED WATER LIMITING DEVICE.
10. VACUUM RELIEF VALVE INSTALLED IN THE COLD WATER SUPPLY LINE ABOVE THE TOP OF THE HEATER OR TANK, SHALL BE PROVIDED TO PREVENT SIPHONING OF ANY STORAGE WATER HEATER OR TANK.
11. DISCHARGE POOL, BACKWASH AND SCUM GUTTERS DRAIN TO SANITARY SEWER.
12. DRAIN SIZES FROM PLUMBING FIXTURES SHALL BE AS FOLLOWS:
WATER CLOSETS- 4"
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MAY 20, 2019

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MEMPHIS
DOWNTOWN**

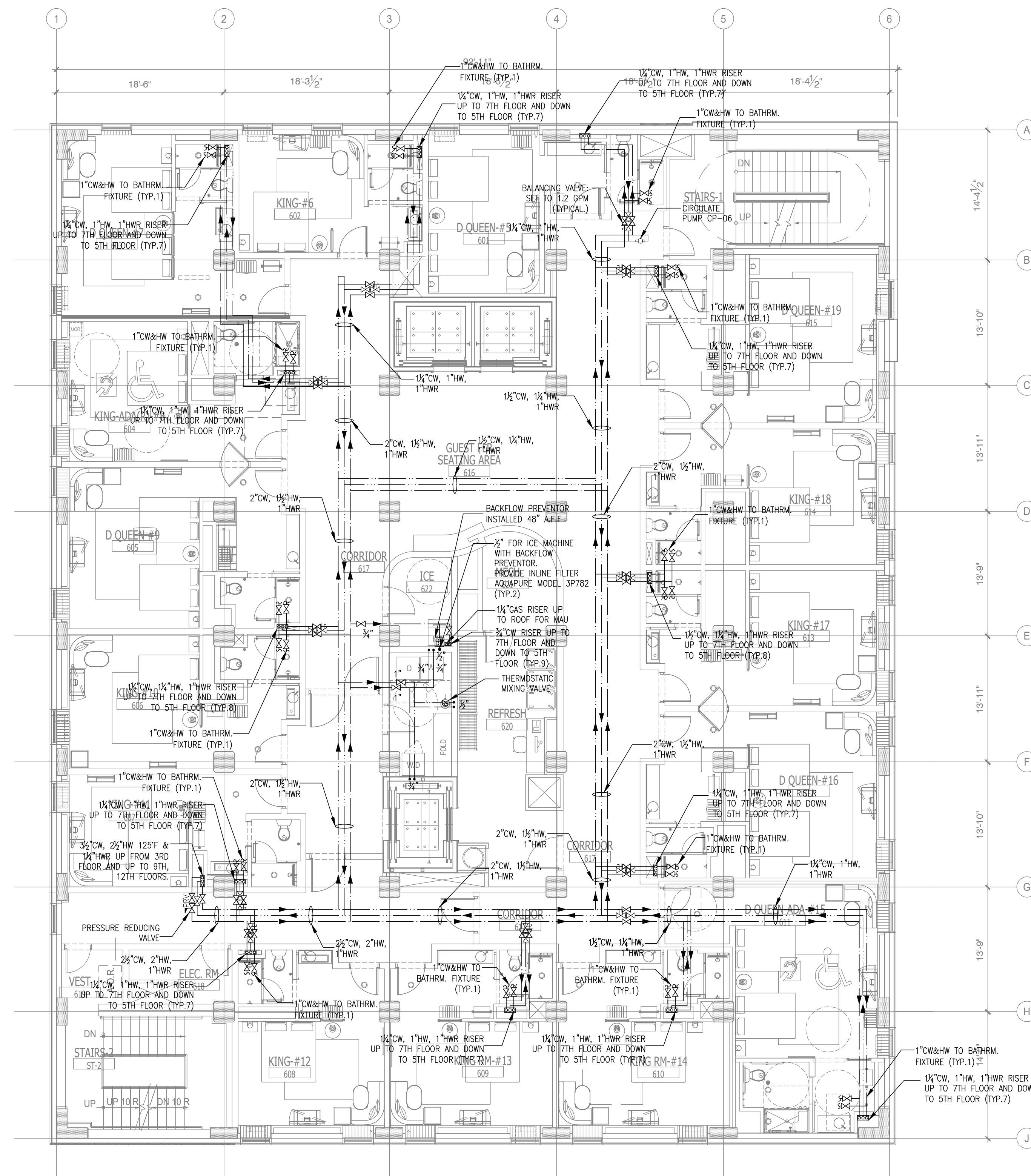
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 07-21-2017
DRAWN BY: PL
CHKD. BY: DV

**DOMESTIC WATER
FIFTH FLOOR PLAN**

SHEET **P3.5**

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1 DOMESTIC WATER
SIXTH FLOOR PLAN
SCALE: 1/8"=1'-0"

NOTE:
1. PROVIDE MULTIPLE VALVE PRV FOR EACH ZONE TO DELIVER THE REQUIRE FLOW AND PRESSURE MAXIMUM VELOCITY OF 8 FEET PER SECOND

NOTE:
1. INSTALL A THERMOSTATIC MIXING VALVE AT EYEWASH. SET UP THE HOT WATER TEMPERATURE DELIVERED FOR EYEWASH TO BE BETWEEN 65 AND 90 DEGREES.

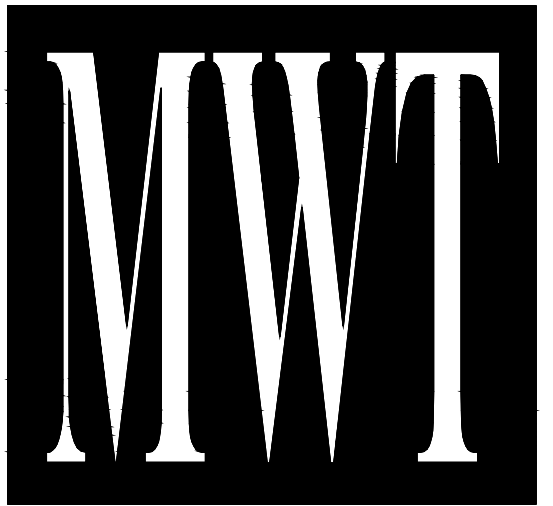
NOTE:
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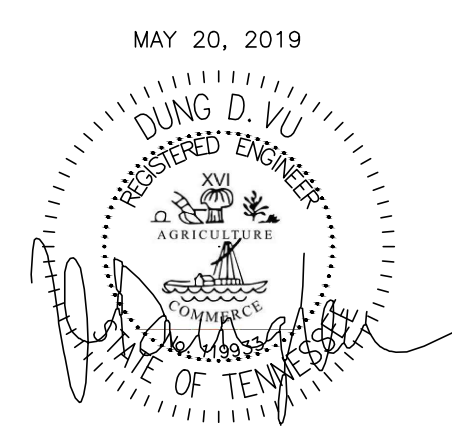
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MAY 20, 2019

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MEMPHIS
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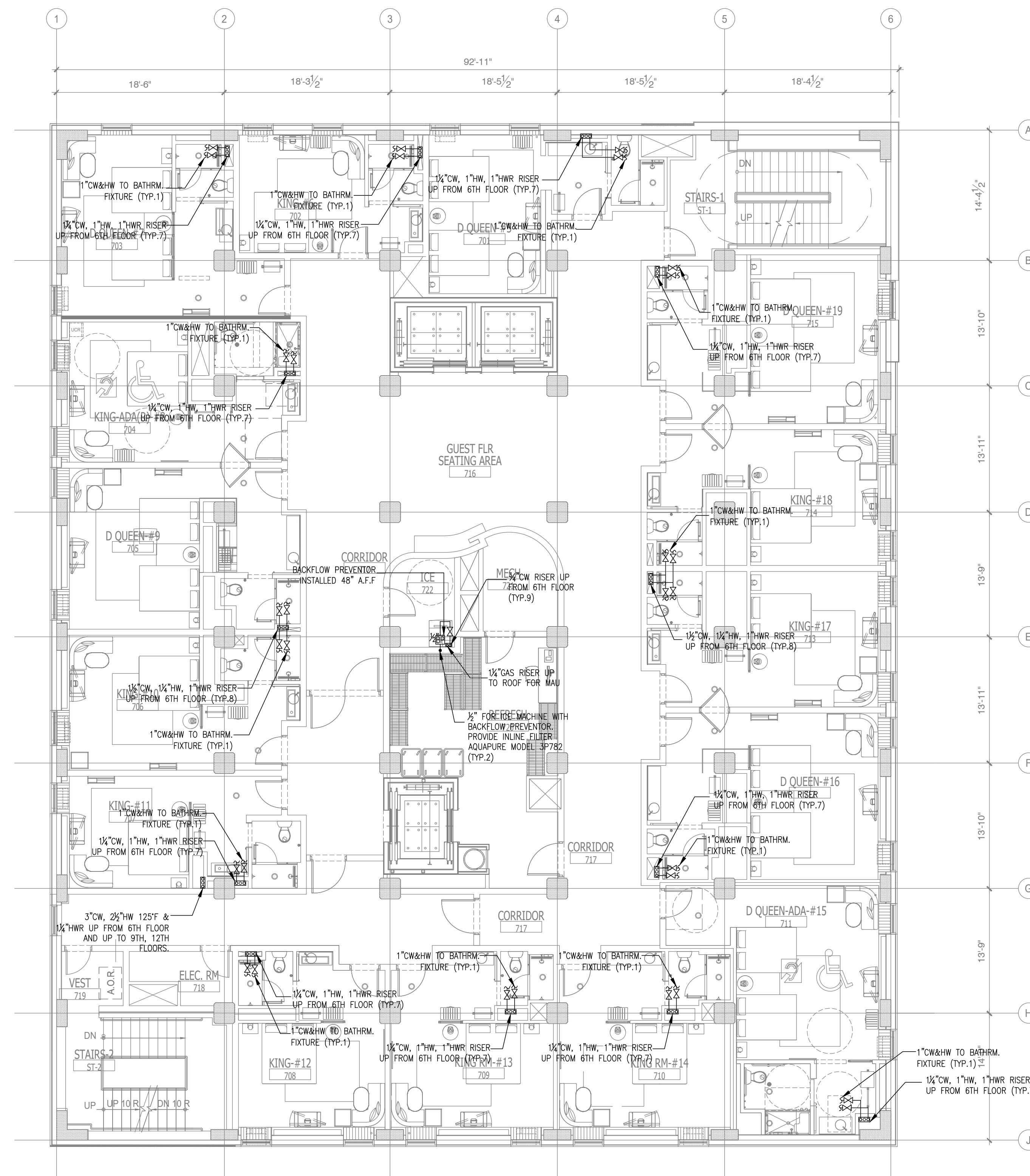
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 07-21-2017
DRAWN BY: PL
CHKD. BY: DV

**DOMESTIC WATER
SIXTH FLOOR PLAN**

SHEET **P3.6**

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1 DOMESTIC WATER SEVENTH FLOOR PLAN
SCALE: 1/8"=1'-0"

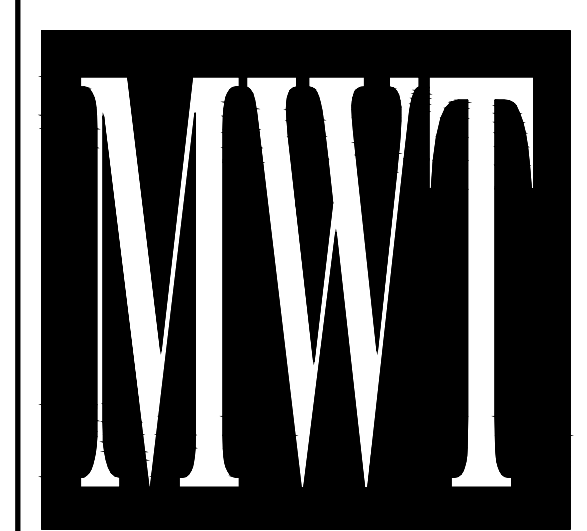
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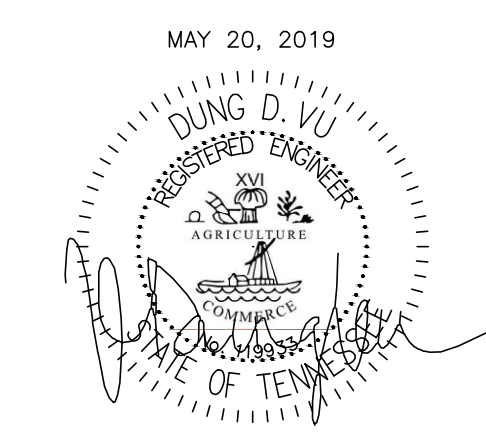
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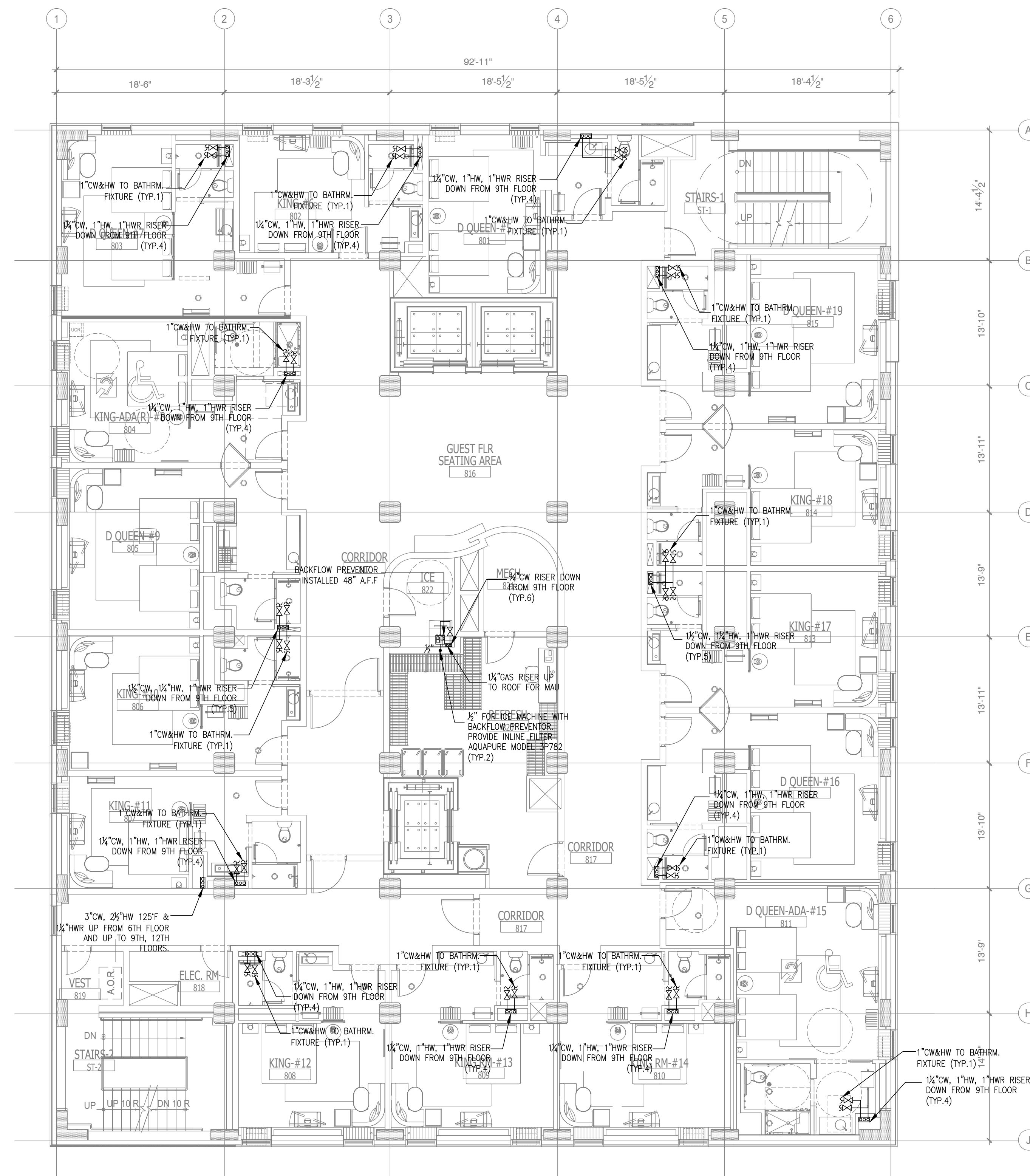
PROJECT NO.: 16 006
DATE: 07-21-2017
DRAWN BY: PL
CHKD. BY: DV

DOMESTIC WATER SEVENTH FLOOR PLAN

SHEET P3.7



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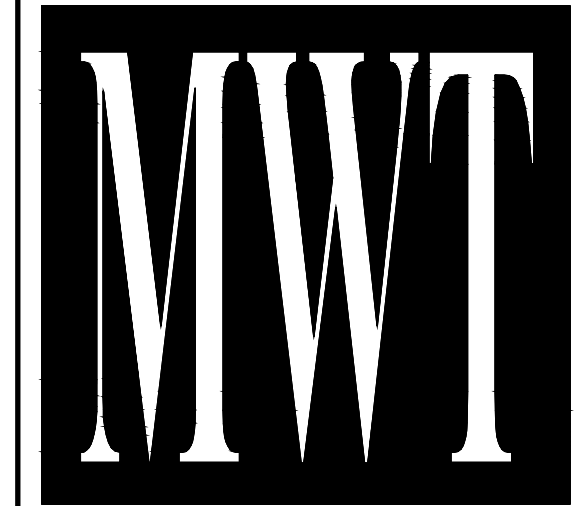
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- PROVIDE DRAIN & VENT FOR SWIMMING POOL PER RECOMMENDATION OF POOL EQUIPMENT SUPPLIER.
- PROVIDE A SEPARATE 1/2" VALVE CW LINE TO EACH REFRIGERATOR.
- CONTRACTOR TO SUPPLY THE TEMPERED WATER LIMITING DEVICE.
- VACUUM RELIEF VALVE INSTALLED IN THE COLD WATER SUPPLY LINE ABOVE THE TOP OF THE HEATER OR TANK, SHALL BE PROVIDED TO PREVENT SIPHONING OF ANY STORAGE WATER HEATER OR TANK.
- DISCHARGE POOL, BACKWASH AND SCUM GUTTERS DRAIN TO SANITARY SEWER.
- DRAIN SIZES FROM PLUMBING FIXTURES SHALL BE AS FOLLOWS:
 WATER CLOSETS - 4"
 BATHUB - 2"
 LAVATORY - 2"
 FLOOR DRAIN - 2"
 FLOOR SINK - 3"

1 DOMESTIC WATER EIGHTH FLOOR PLAN
 SCALE: 1/8" = 1'-0"

NOTE:
 • NEW BACKGROUND

- THE PLUMBING CONTRACTOR MUST PREPARE SHOP DRAWING TO COORDINATE WITH STRUCTURAL ENGINEER BEFORE INSTALLING AND GUARANTEE THE WATER, SEWER AND STORM LINE DO NOT RUNNING ALONG WITH THE GRADE BEAMS.
- THE CONTRACTOR MUST PERFORM THE COLD/HOT WATER BALANCING TO ENSURE SUFFICIENT HOT WATER THAT DELIVERS TO EVERY GUESTROOM UNIT BEFORE CEILING TILE IS INSTALLED

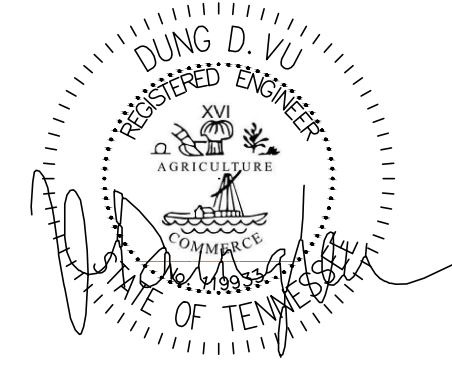
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MAY 20, 2019



ALOFT MEMPHIS DOWNTOWN

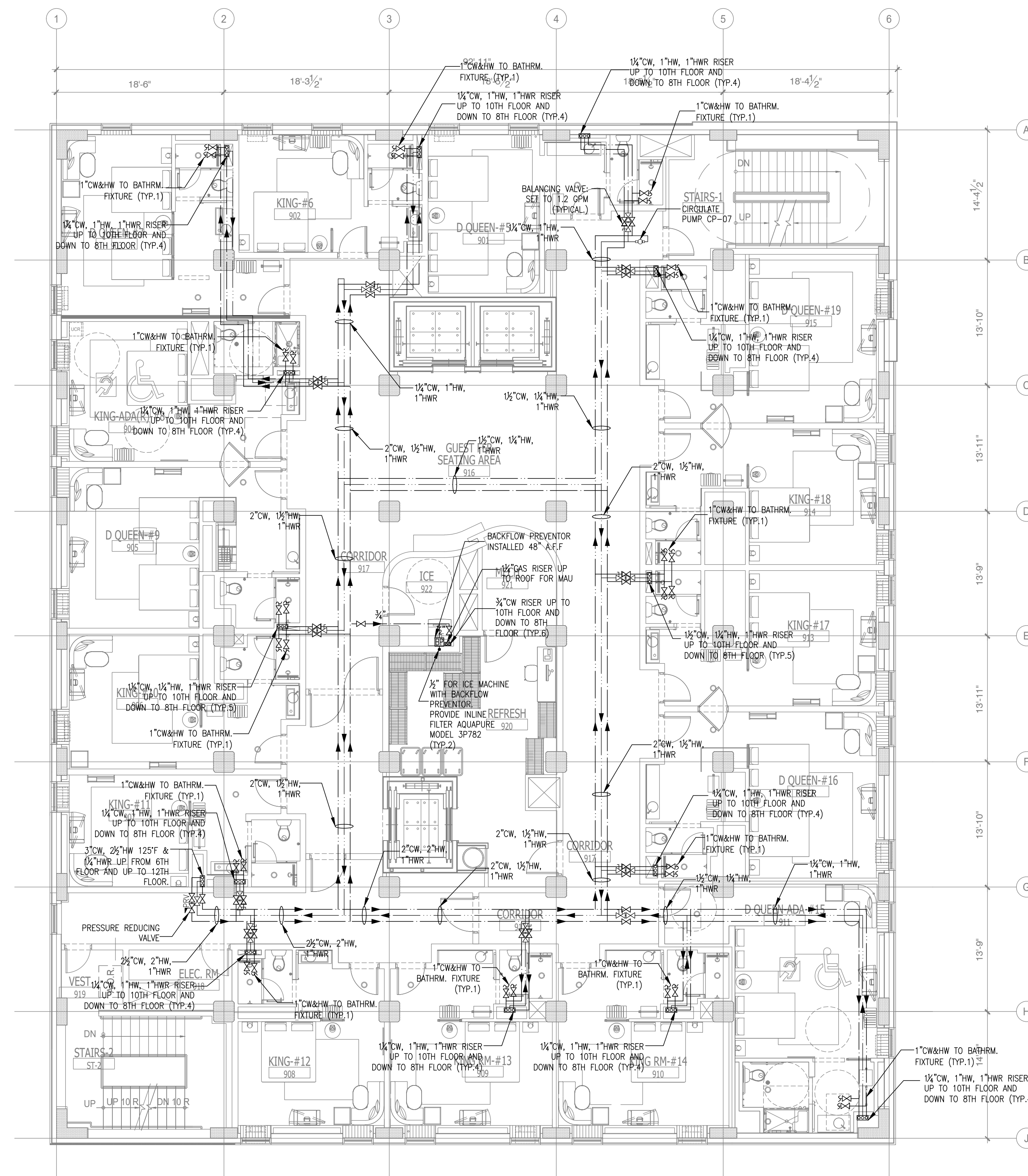
63 NORTH B.B. KING BLVD.
 MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
 DATE: 07-21-2017
 DRAWN BY: PL
 CHKD. BY: DV

DOMESTIC WATER EIGHTH FLOOR PLAN

SHEET P3.8

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 4. AS AN EXAMPLE ITEMS AND/OR TASKS LIKE: THE CALL, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DUMPSTERS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BACK TO THE CONTRACTOR AND/OR SUBCONTRACTOR, AT THE OWNERS' DISCRETION.



NOTES:

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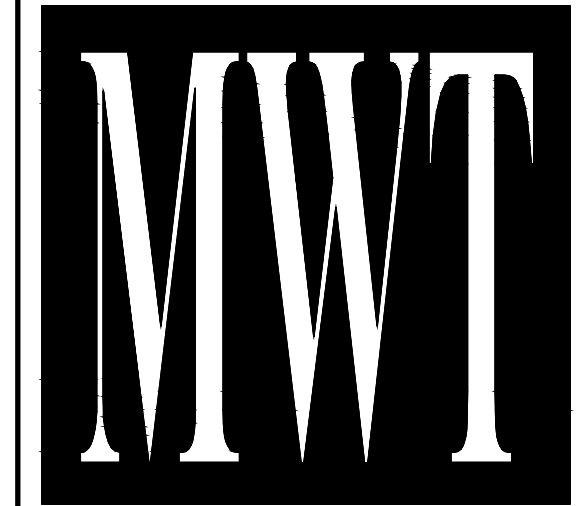
1 DOMESTIC WATER NINTH FLOOR PLAN
 SCALE: 1/8"=1'-0"

NOTE:
 1. PROVIDE MULTIPLE VALVE PRV FOR EACH ZONE TO DELIVER THE REQUIRE FLOW AND PRESSURE MAXIMUM VELOCITY OF 8 FEET PER SECOND

NOTE:
 • NEW BACKGROUND

- THE PLUMBING CONTRACTOR MUST PREPARE SHOP DRAWING TO COORDINATE WITH STRUCTURAL ENGINEER BEFORE INSTALLING AND GUARANTEE THE WATER, SEWER AND STORM LINE DO NOT RUNNING ALONG WITH THE GRADE BEAMS.
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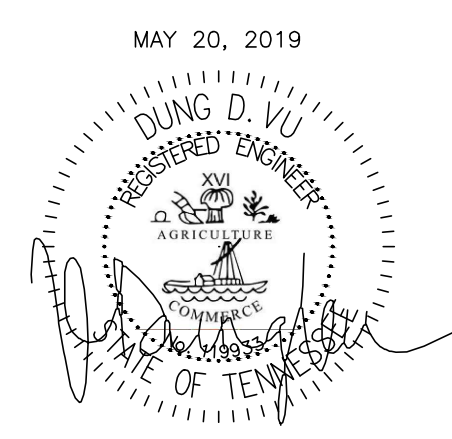
**ALOFT
 MEMPHIS
 DOWNTOWN**

63 NORTH B.B. KING BLVD.
 MEMPHIS, TENNESSEE 38103

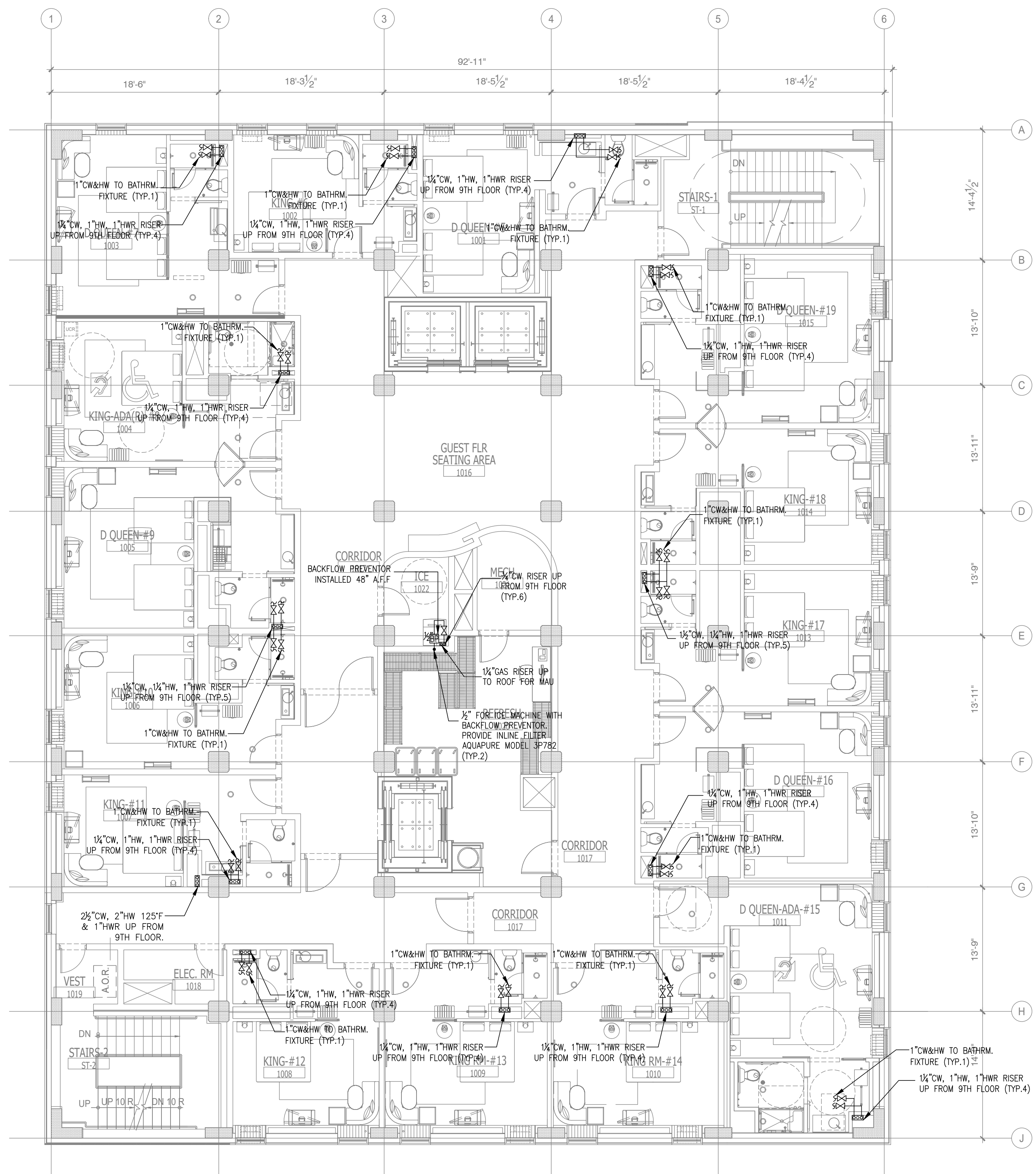
PROJECT NO.: 16 006
 DATE: 07-21-2017
 DRAWN BY: PL
 CHKD. BY: DV

**DOMESTIC WATER
 NINTH FLOOR PLAN**

SHEET **P3.9**



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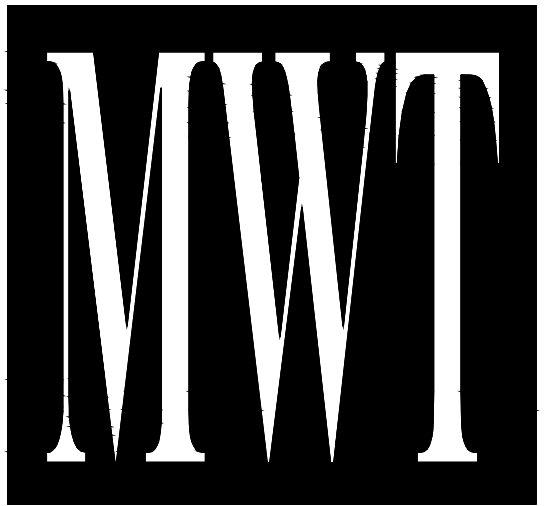
- NOTES:**
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 FLOOR SINK - 3"

1 DOMESTIC WATER
TENTH FLOOR PLAN
SCALE: 1/8"=1'-0"

NOTE:
• NEW BACKGROUND

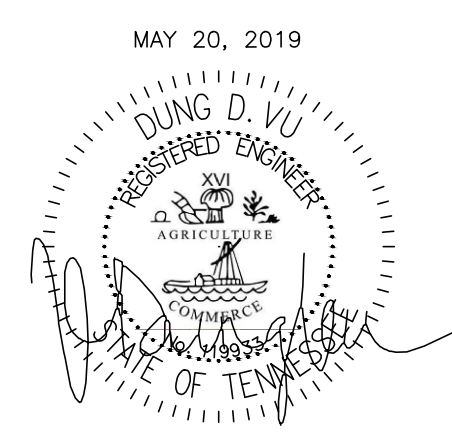
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MAY 20, 2019

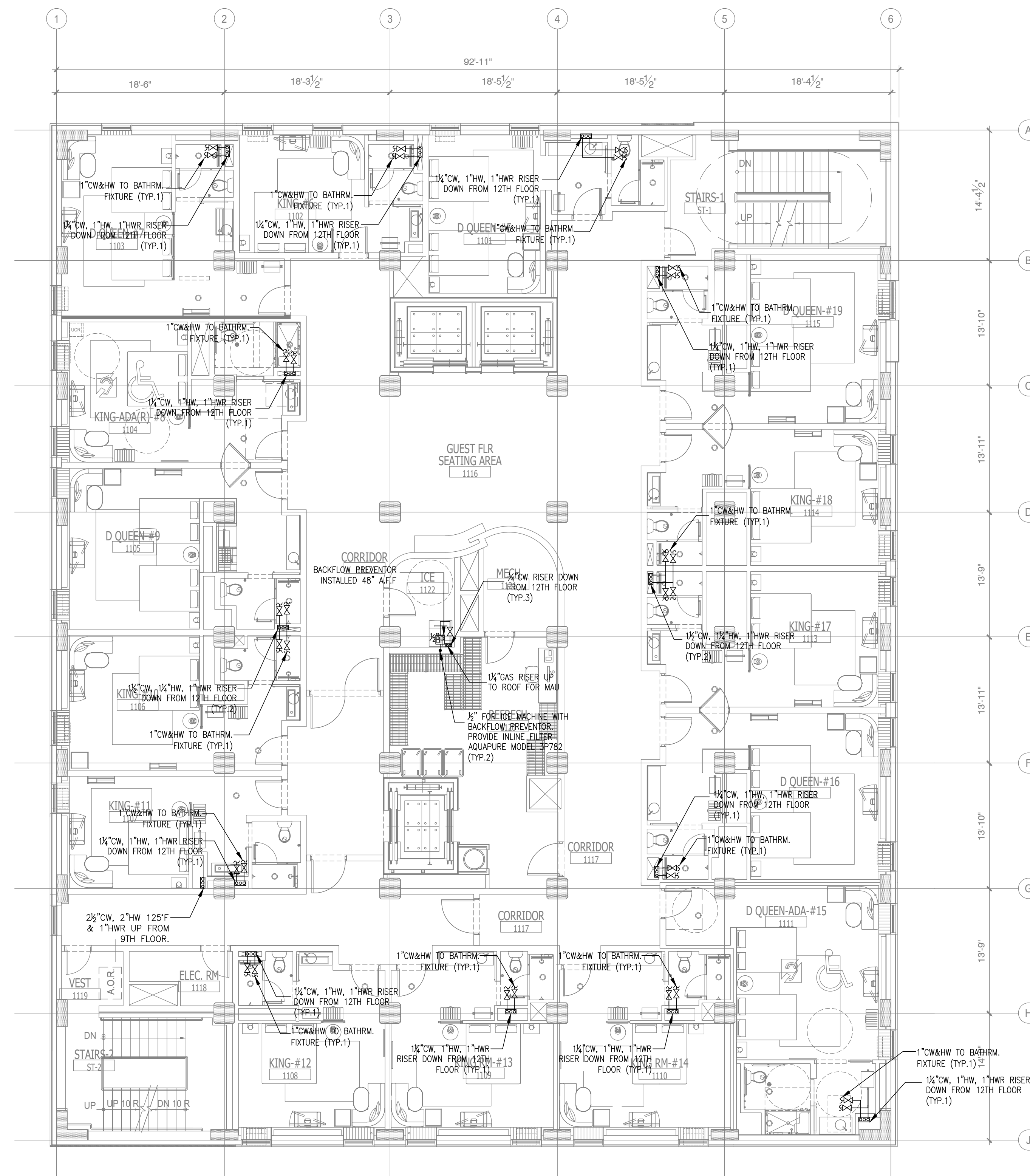
**ALOFT
MEMPHIS
DOWNTOWN**
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 07-21-2017
DRAWN BY: PL
CHKD. BY: DV

**DOMESTIC WATER
TENTH FLOOR PLAN**

SHEET **P3.10**

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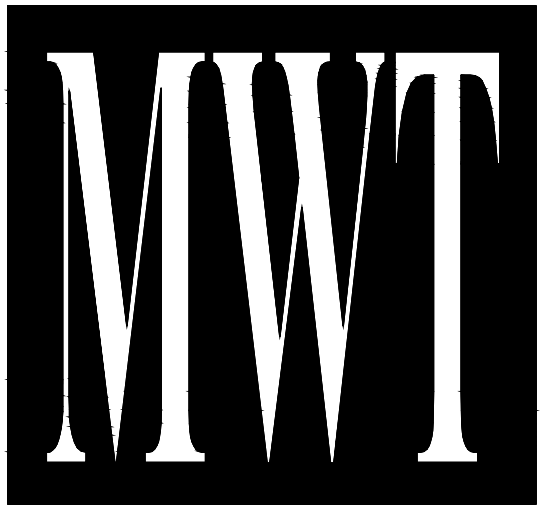
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 FLOOR SINK - 3"

1 DOMESTIC WATER ELEVENTH FLOOR PLAN
 SCALE: 1/8"=1'-0"

NOTE:
 • NEW BACKGROUND

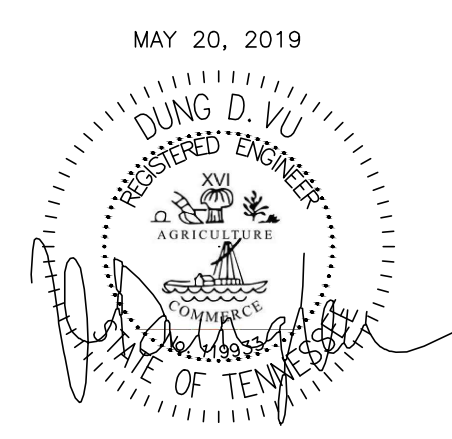
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ALOFT MEMPHIS DOWNTOWN

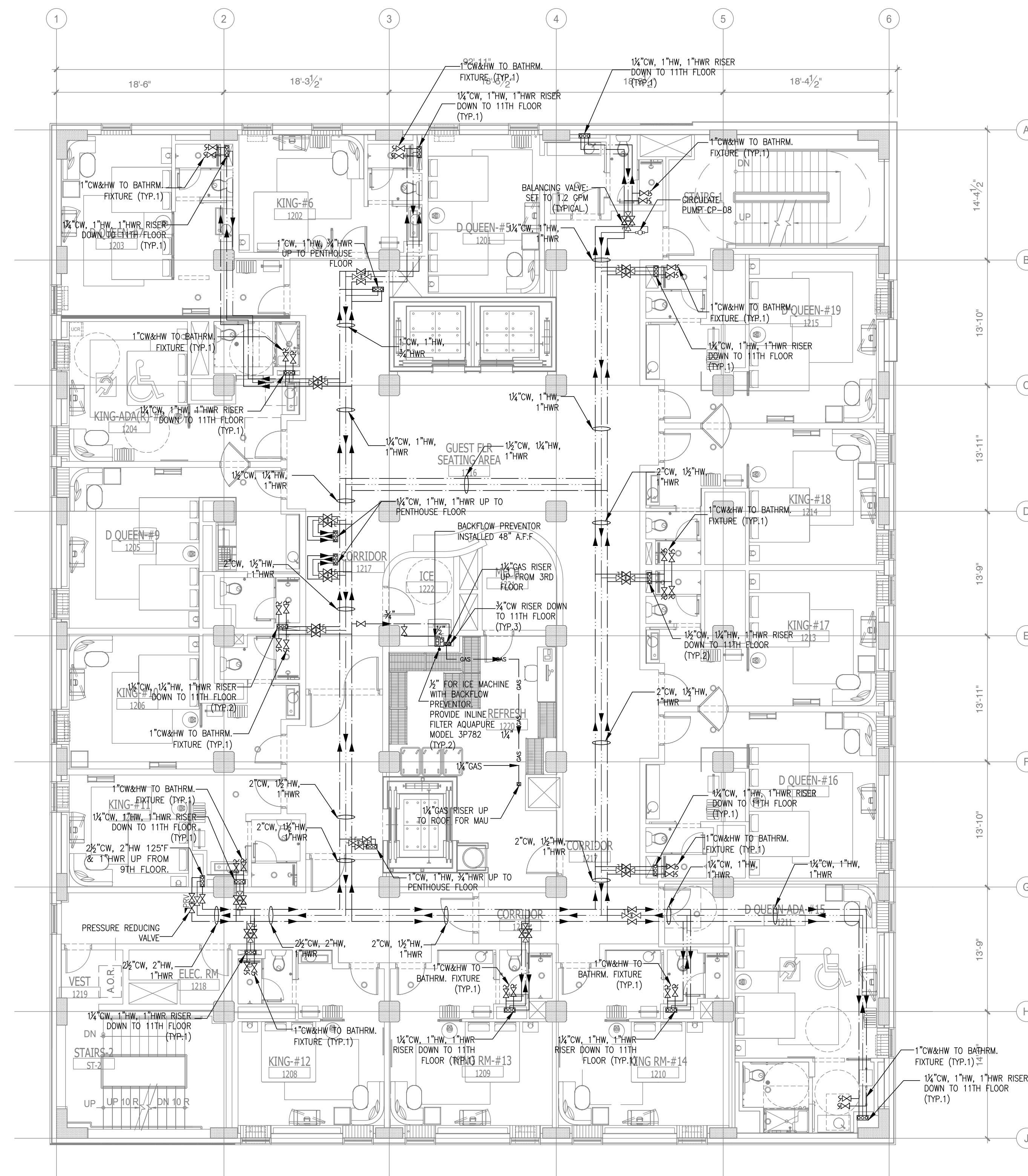
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PROJECT NO.: 16 006
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 DRAWN BY: PL
 CHKD. BY: DV

DOMESTIC WATER ELEVENTH FLOOR PLAN

SHEET **P3.11**

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1 DOMESTIC WATER
TWELFTH FLOOR PLAN
SCALE: 1/8"=1'-0"

NOTE:
1. PROVIDE MULTIPLE VALVE PRV FOR EACH ZONE TO DELIVER THE REQUIRE FLOW AND PRESSURE MAXIMUM VELOCITY OF 8 FEET PER SECOND

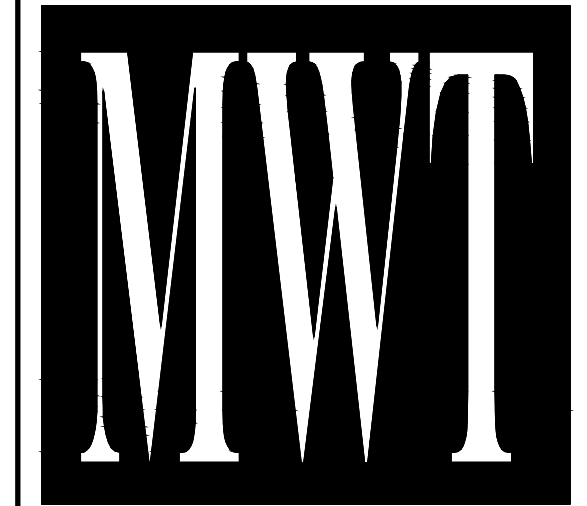
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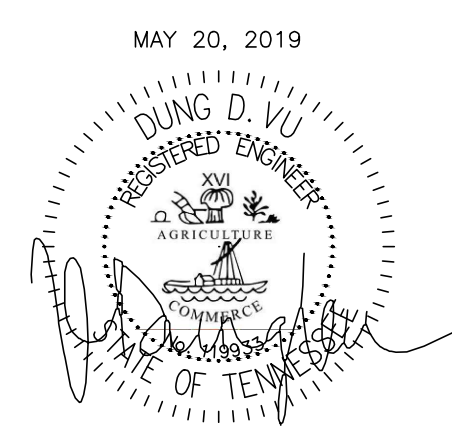
ALOFT
MEMPHIS
DOWNTOWN

63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

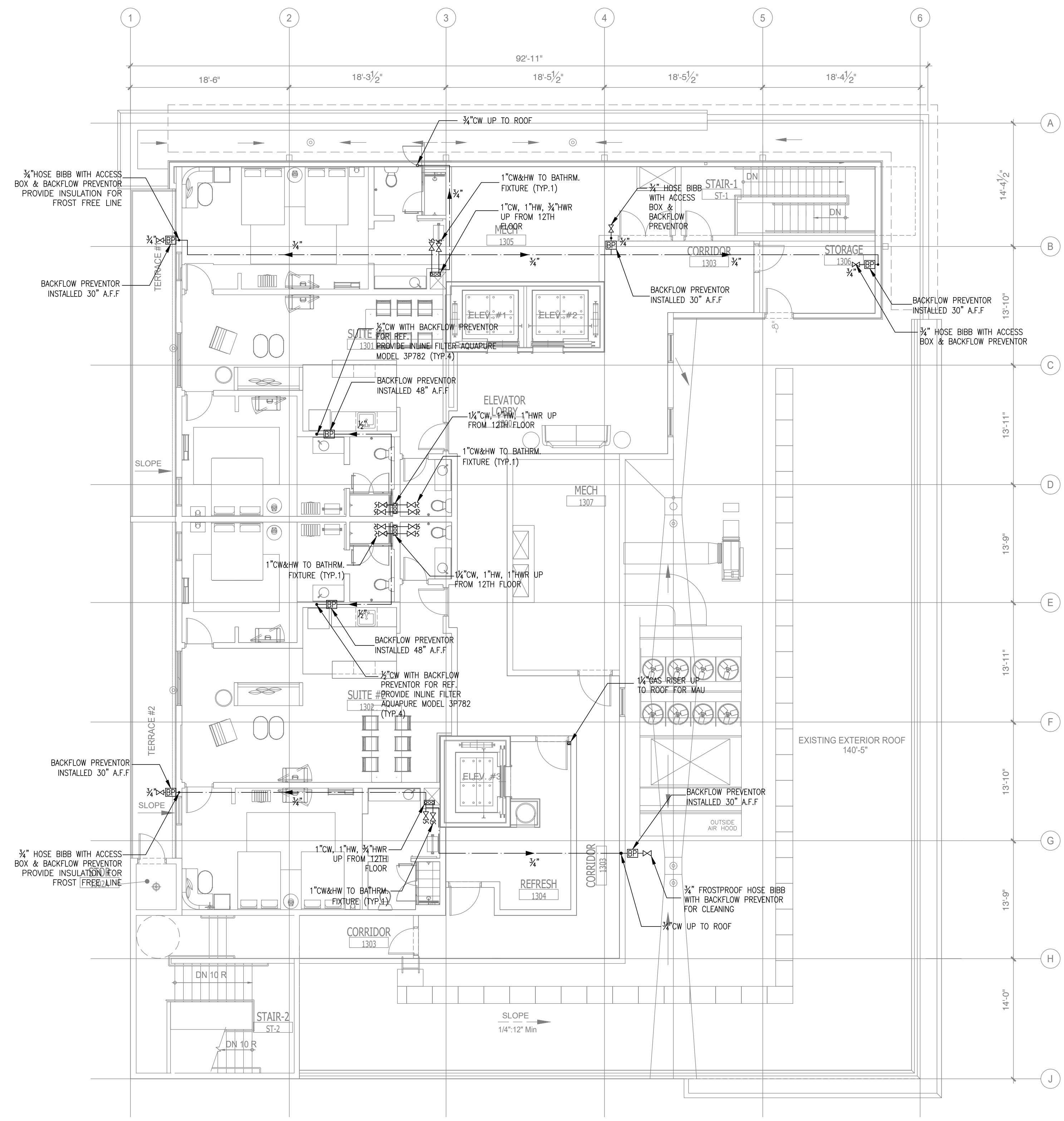
PROJECT NO.: 16 006
DATE: 07-21-2017
DRAWN BY: PL
CHKD. BY: DV

DOMESTIC WATER
TWELFTH FLOOR PLAN

SHEET P3.12



IMPORTANT NOTICE TO ALL CONTRACTORS AND/OR SUBCONTRACTORS: (COMPLETE BUILDING SYSTEMS AND/OR INSTALLATIONS)
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4. AS AN EXAMPLE ITEMS AND/OR TASKS LIKE: FIRE CALIB, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DUMPS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BACK TO THE CONTRACTOR AND/OR SUBCONTRACTOR, AT THE OWNERS' DISCRETION.



- NOTES:**
- FOR GENERAL NOTES, PLUMBING FIXTURES AND SPECIFICATIONS, SEE PLUMBING DRAWING P1.0 & P1.1, P1.2
 - FOR DRAWING CLARITY, SEE THE VENT PIPING WITH SIZING ON RISER DIAGRAM P4.0, P4.1, P4.2, P4.3
 - ALL PENETRATIONS THROUGH FIRE WALL MUST BE SEALED TO MEET THE CRITERIA.
 - FOR SCHEMATIC DIAGRAMS SEE PLUMBING DRAWING P4.0, P4.1, P4.2, P4.3
 - FOR GAS SCHEMATIC DIAGRAM SEE PLUMBING DRAWING P1.1.
 - ALL FLOOR DRAINS TO BE INSTALLED W/TRAP PRIMERS.
 - PROVIDE DRAIN & VENT FOR SWIMMING POOL PER RECOMMENDATION OF POOL EQUIPMENT SUPPLIER.
 - PROVIDE A SEPARATE 1/2" VALVE CW LINE TO EACH REFRIGERATOR.
 - CONTRACTOR TO SUPPLY THE TEMPERED WATER LIMITING DEVICE.
 - VACUUM RELIEF VALVE INSTALLED IN THE COLD WATER SUPPLY LINE ABOVE THE TOP OF THE HEATER OR TANK, SHALL BE PROVIDED TO PREVENT SIPHONING OF ANY STORAGE WATER HEATER OR TANK.
 - DISCHARGE POOL, BACKWASH AND SOUM GUTTERS DRAIN TO SANITARY SEWER.
 - DRAIN SIZES FROM PLUMBING FIXTURES SHALL BE AS FOLLOWS:
 WATER CLOSETS - 4"
 BATHTUB - 2"
 LAVATORY - 2"
 FLOOR DRAIN - 2"
 FLOOR SINK - 3"

1 DOMESTIC WATER PENTHOUSE FLOOR PLAN
 SCALE: 1/8"=1'-0"

NOTE:
 • NEW BACKGROUND

- THE PLUMBING CONTRACTOR MUST PREPARE SHOP DRAWING TO COORDINATE WITH STRUCTURAL ENGINEER BEFORE INSTALLING AND GUARANTEE THE WATER, SEWER AND STORM LINE DO NOT RUNNING ALONG WITH THE GRADE BEAMS.
- THE CONTRACTOR MUST PERFORM THE COLD/HOT WATER BALANCING TO ENSURE SUFFICIENT HOT WATER THAT DELIVERS TO EVERY GUESTROOM UNIT BEFORE CEILING TILE IS INSTALLED

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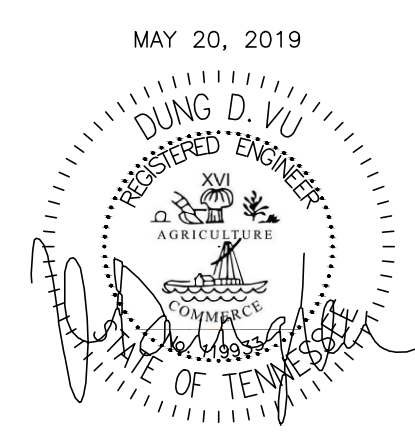
ALOFT MEMPHIS DOWNTOWN

63 NORTH B.B. KING BLVD.
 MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
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 DRAWN BY: PL
 CHKD. BY: DV

DOMESTIC WATER PENTHOUSE FLOOR PLAN

SHEET **P3.13**

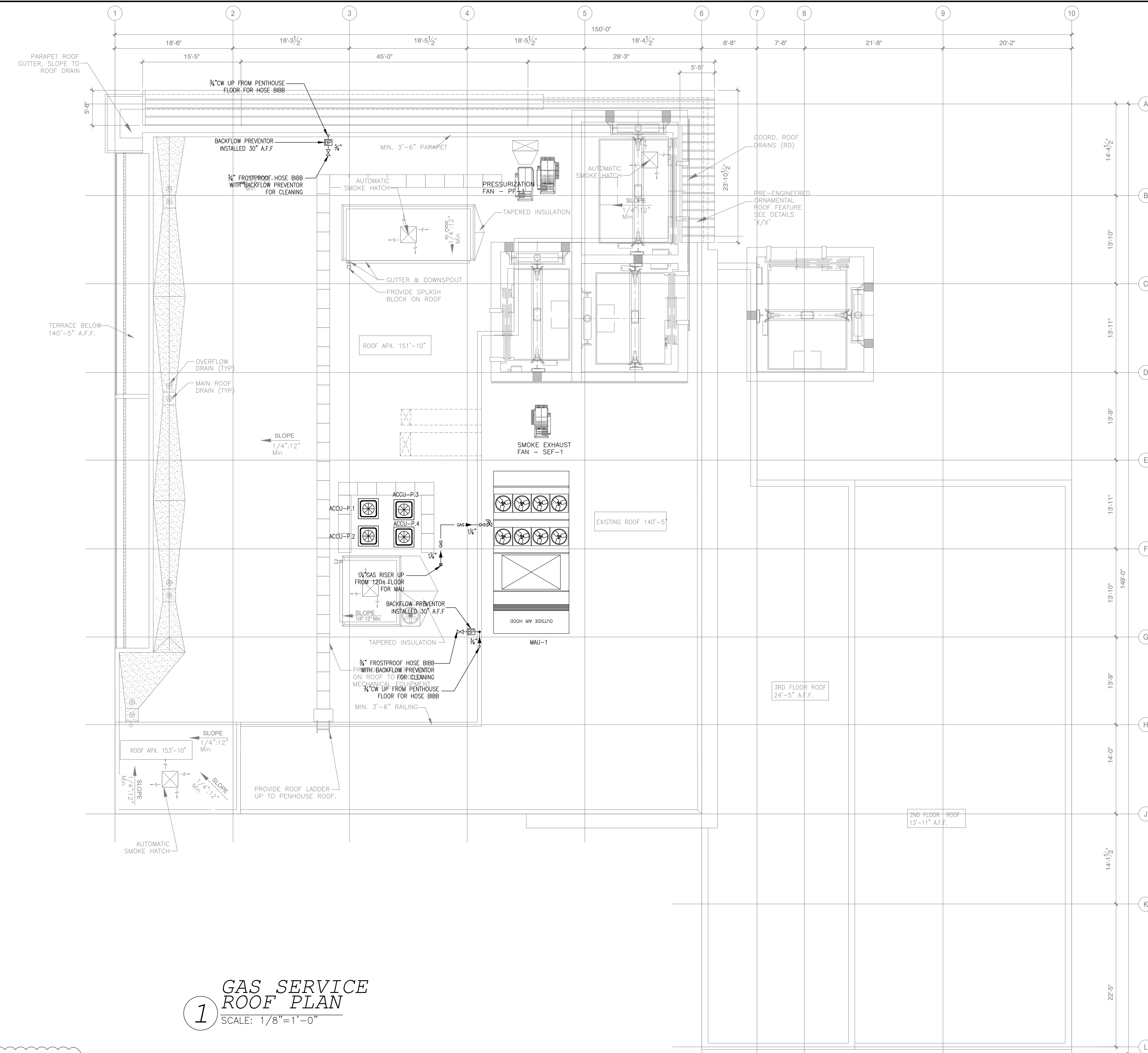


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NOTES:

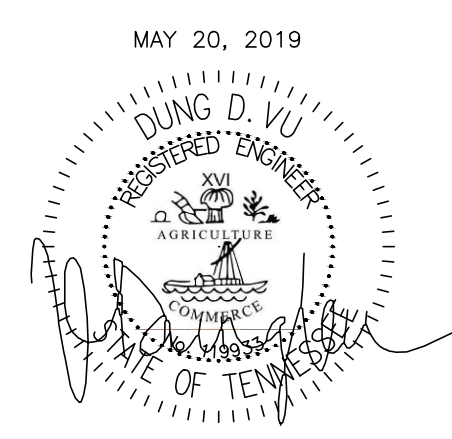
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1 GAS SERVICE ROOF PLAN
 SCALE: 1/8" = 1'-0"

NOTE:
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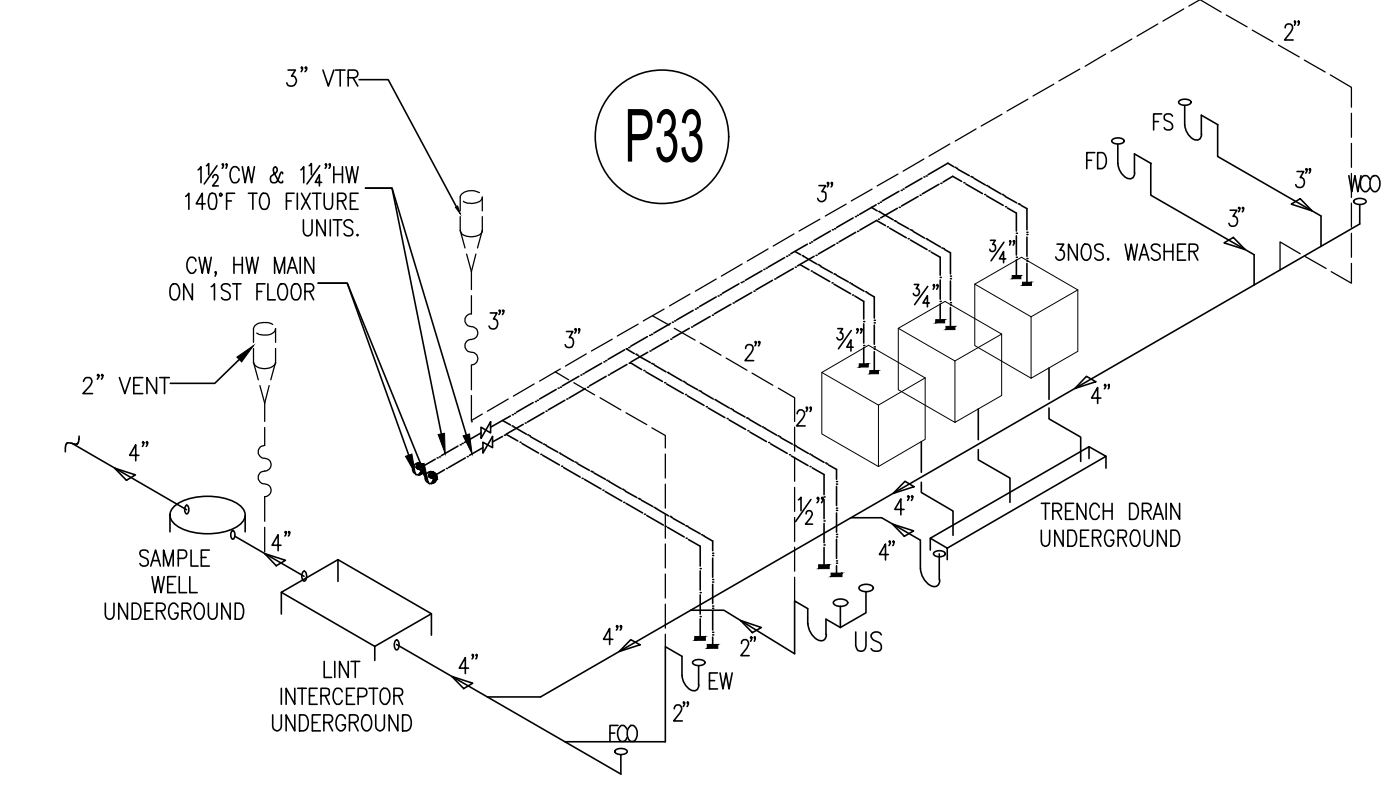
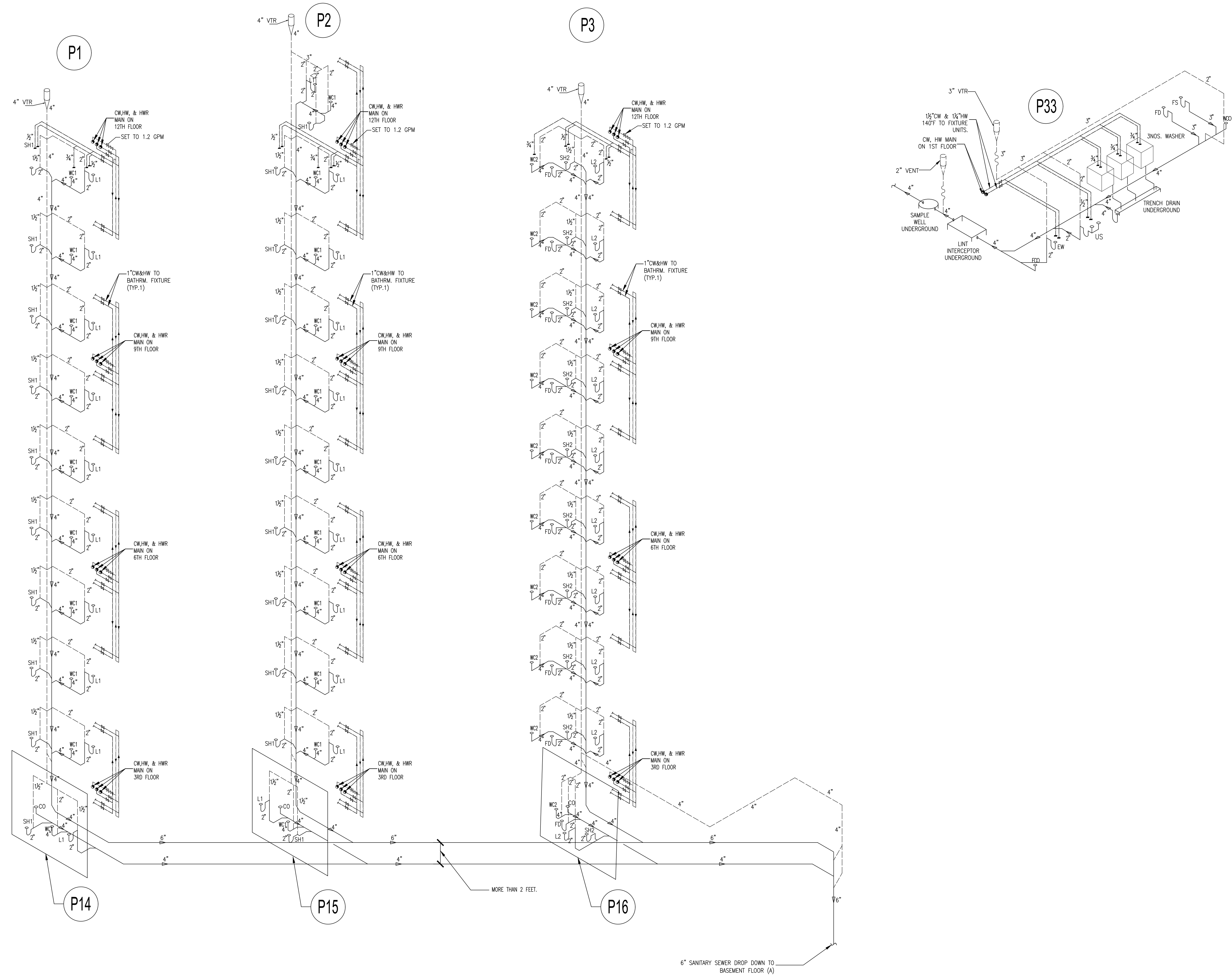
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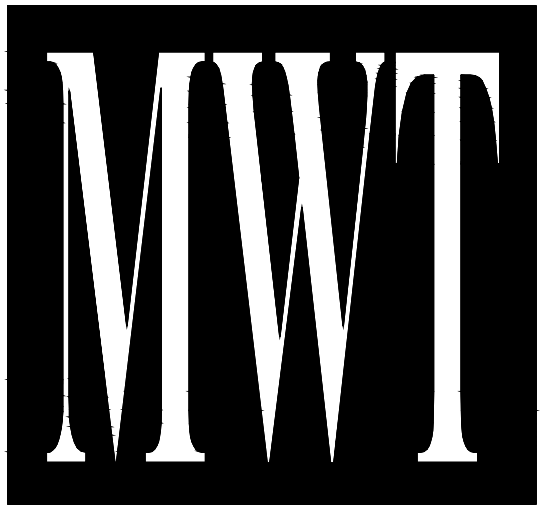
GAS SERVICE ROOF PLAN

SHEET **P3.14**

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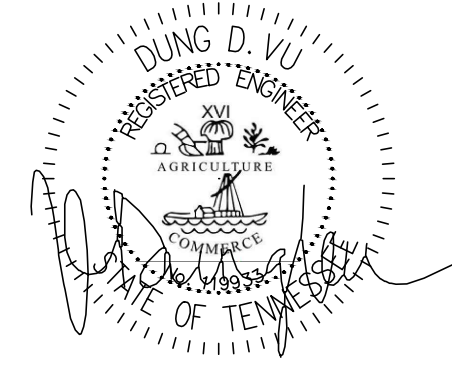
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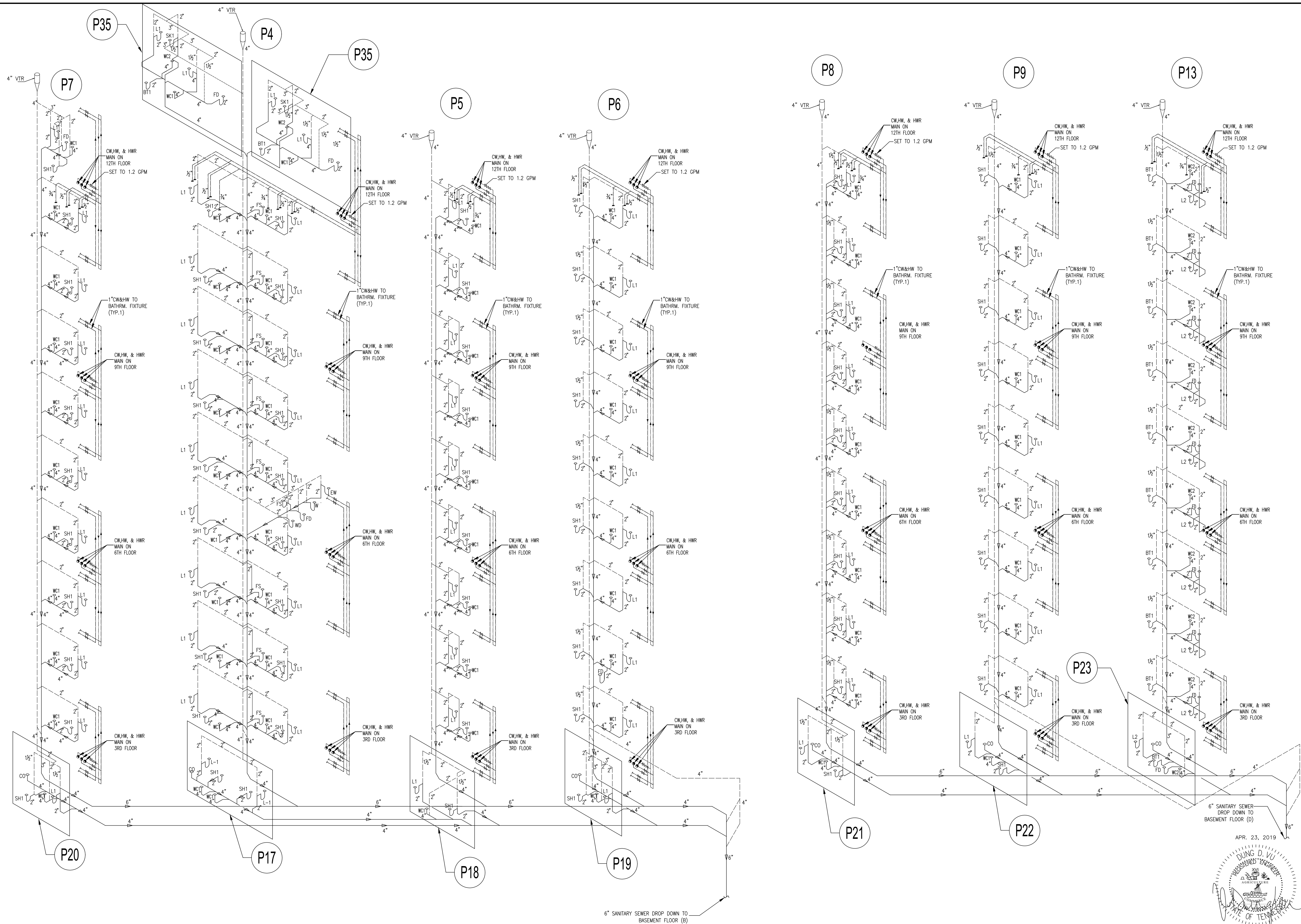
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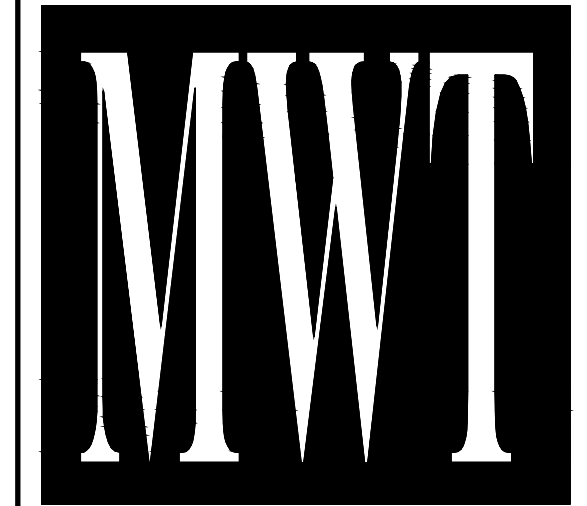
PLUMBING RISERS

SHEET **P4.0**

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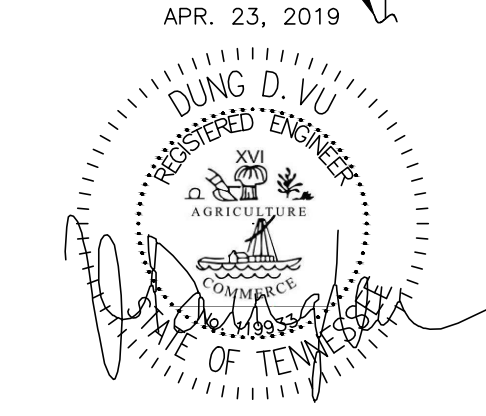
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PLUMBING RISERS

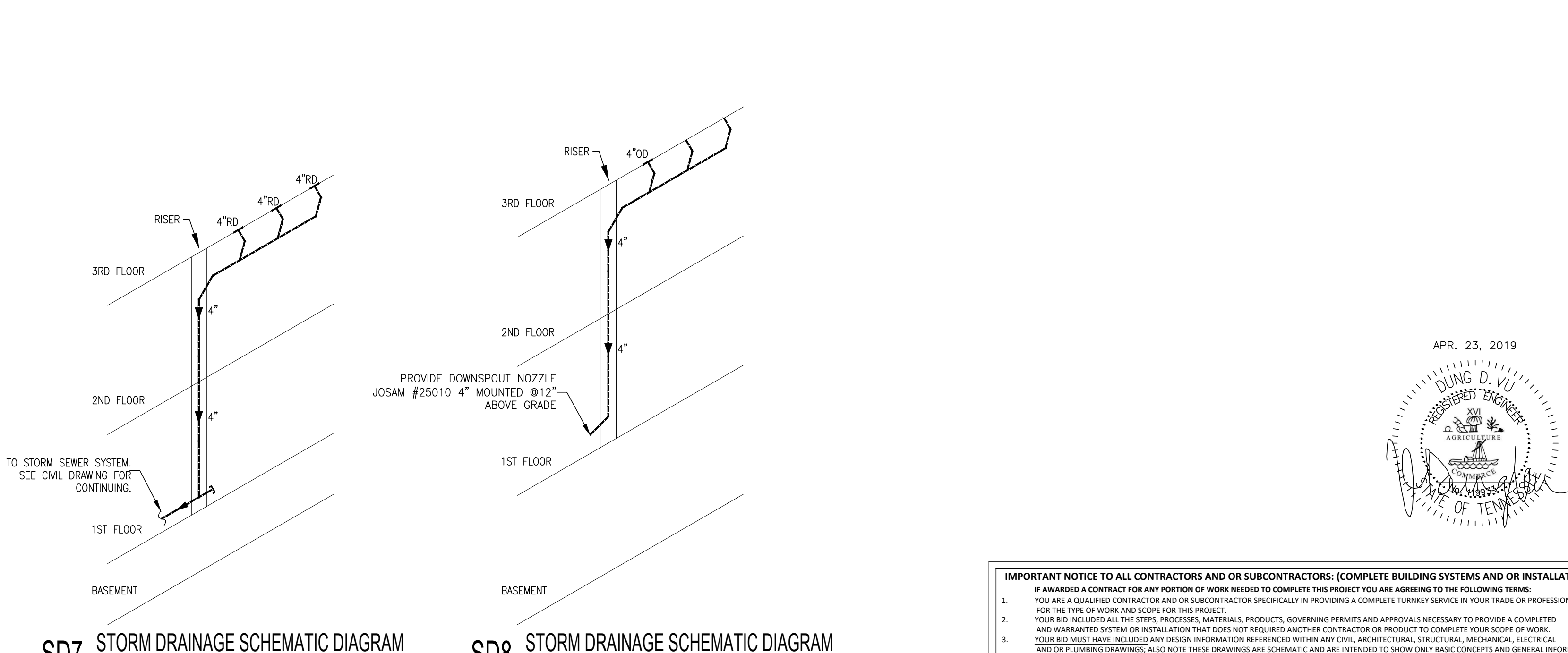
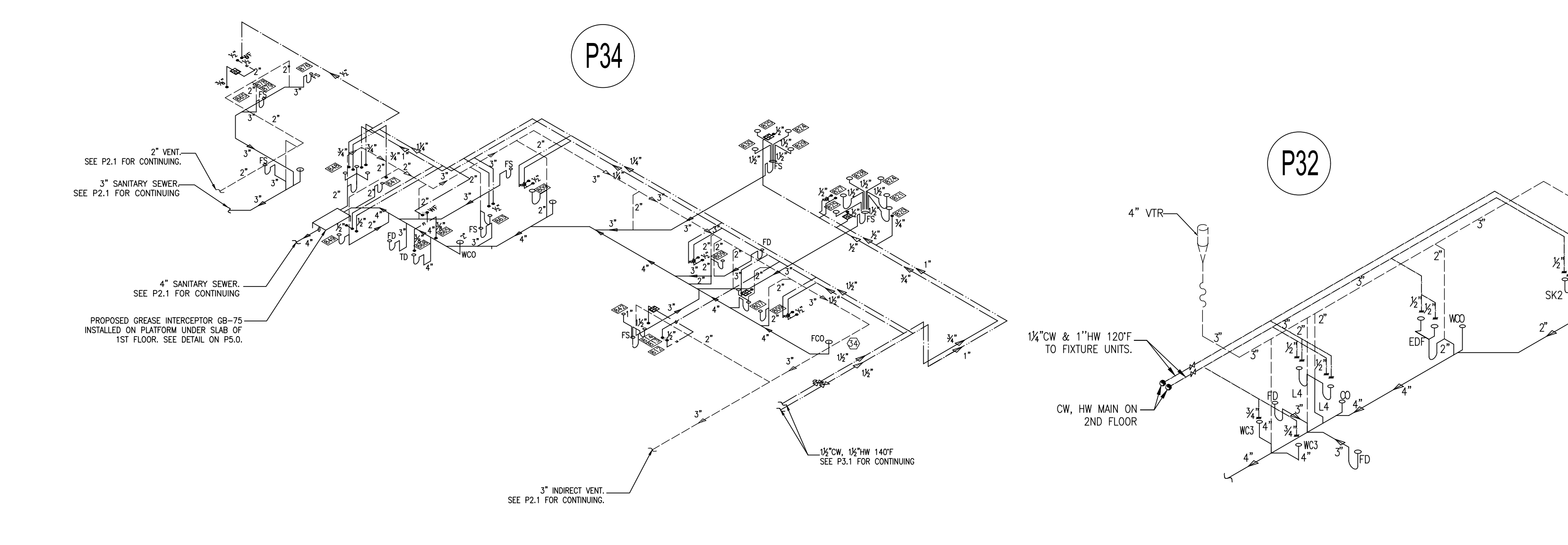
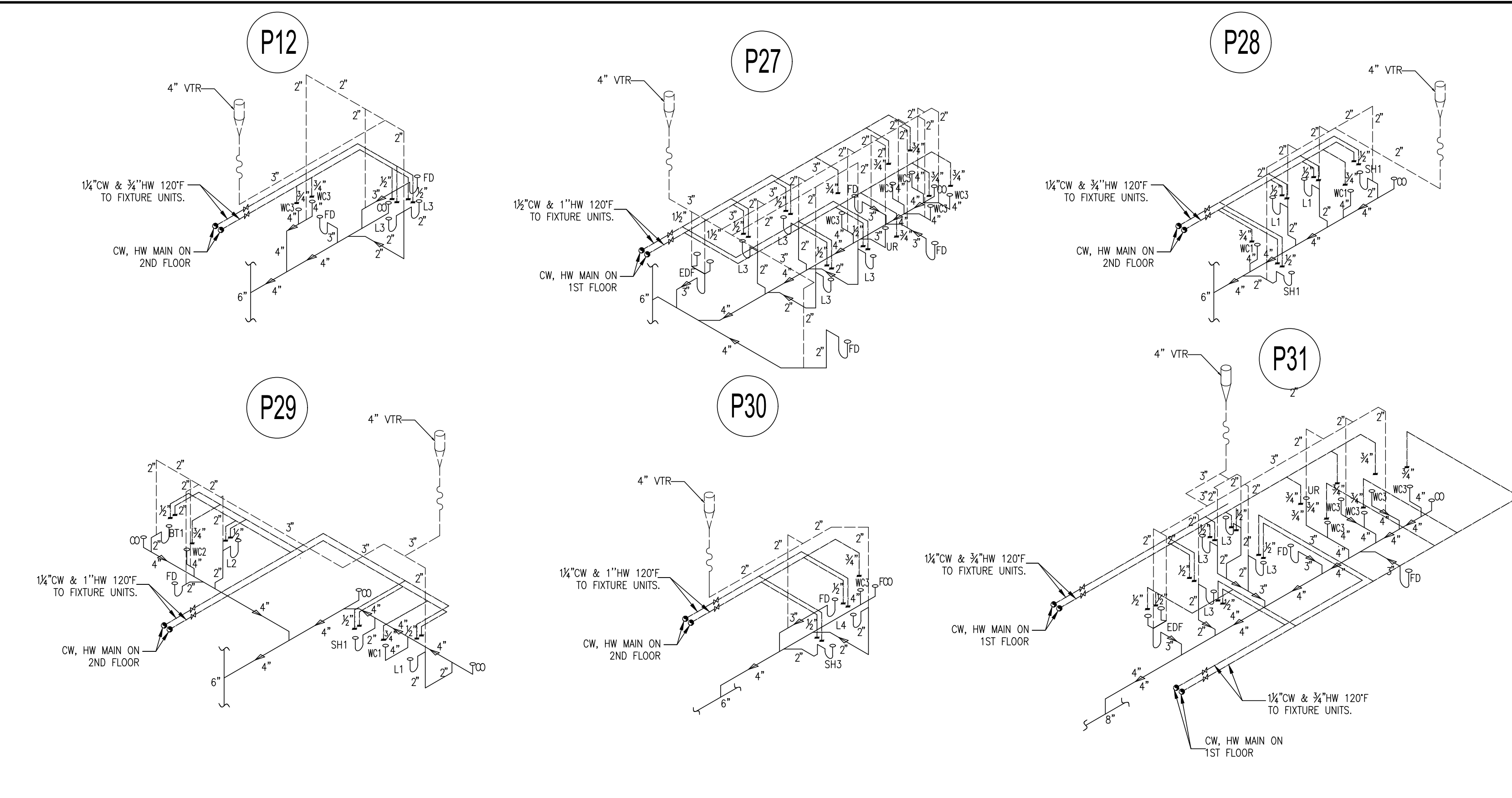
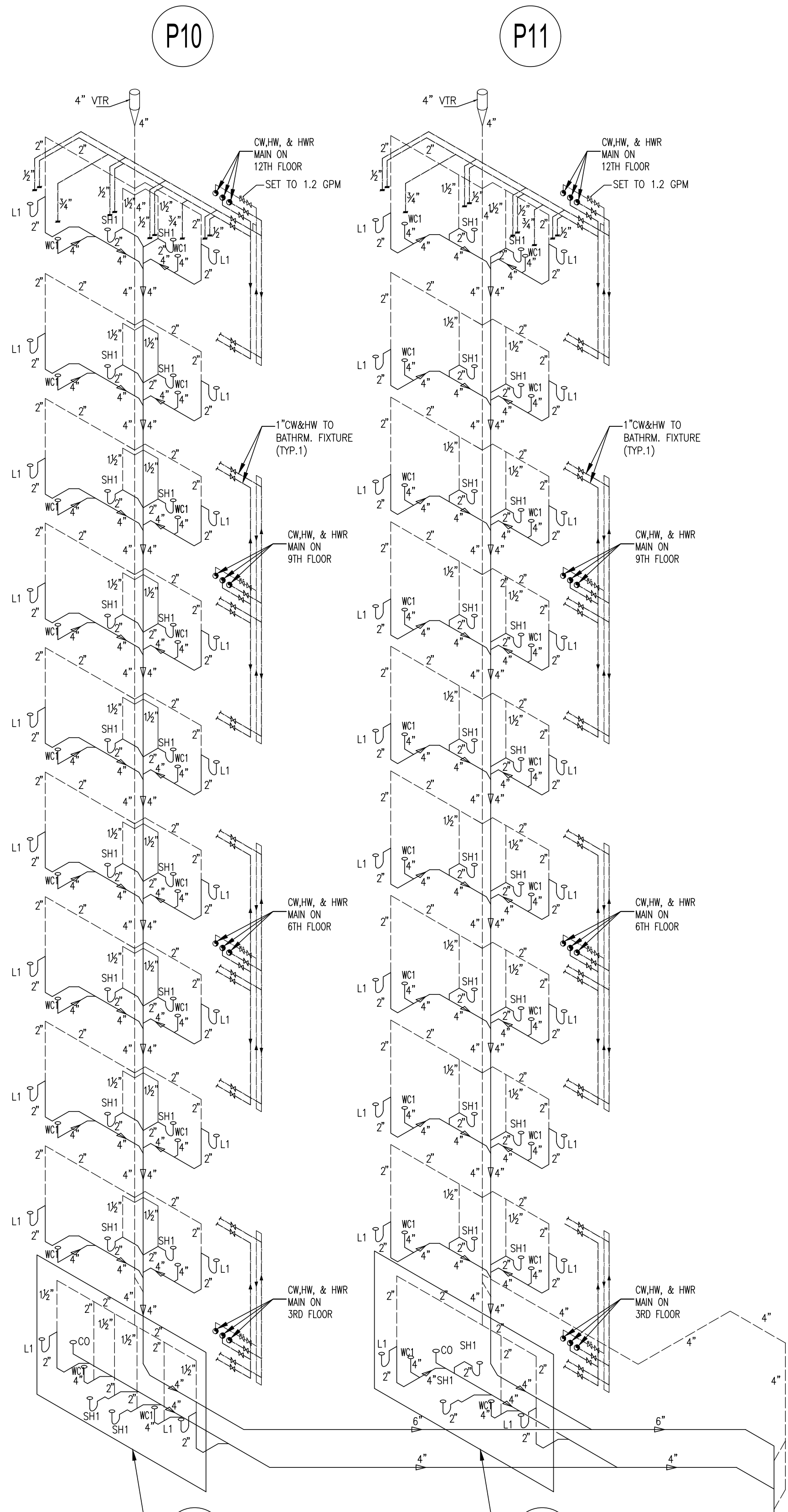
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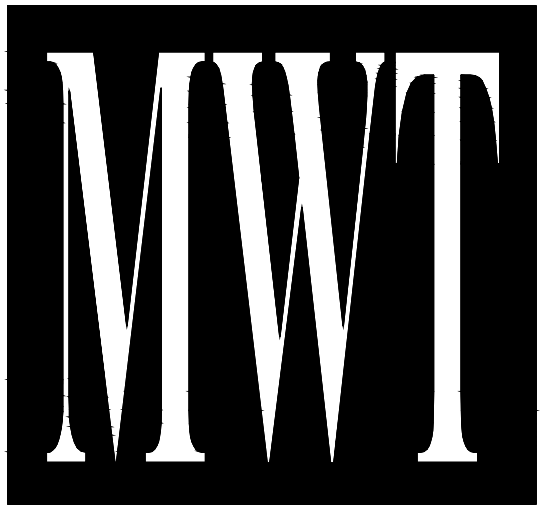
SD10 STORM DRAINAGE SCHEMATIC DIAGRAM
SCALE: N.T.S.

SD9 STORM DRAINAGE SCHEMATIC DIAGRAM
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SD7 STORM DRAINAGE SCHEMATIC DIAGRAM
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SD8 STORM DRAINAGE SCHEMATIC DIAGRAM
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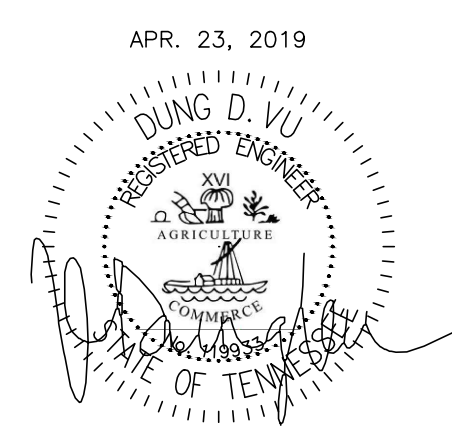
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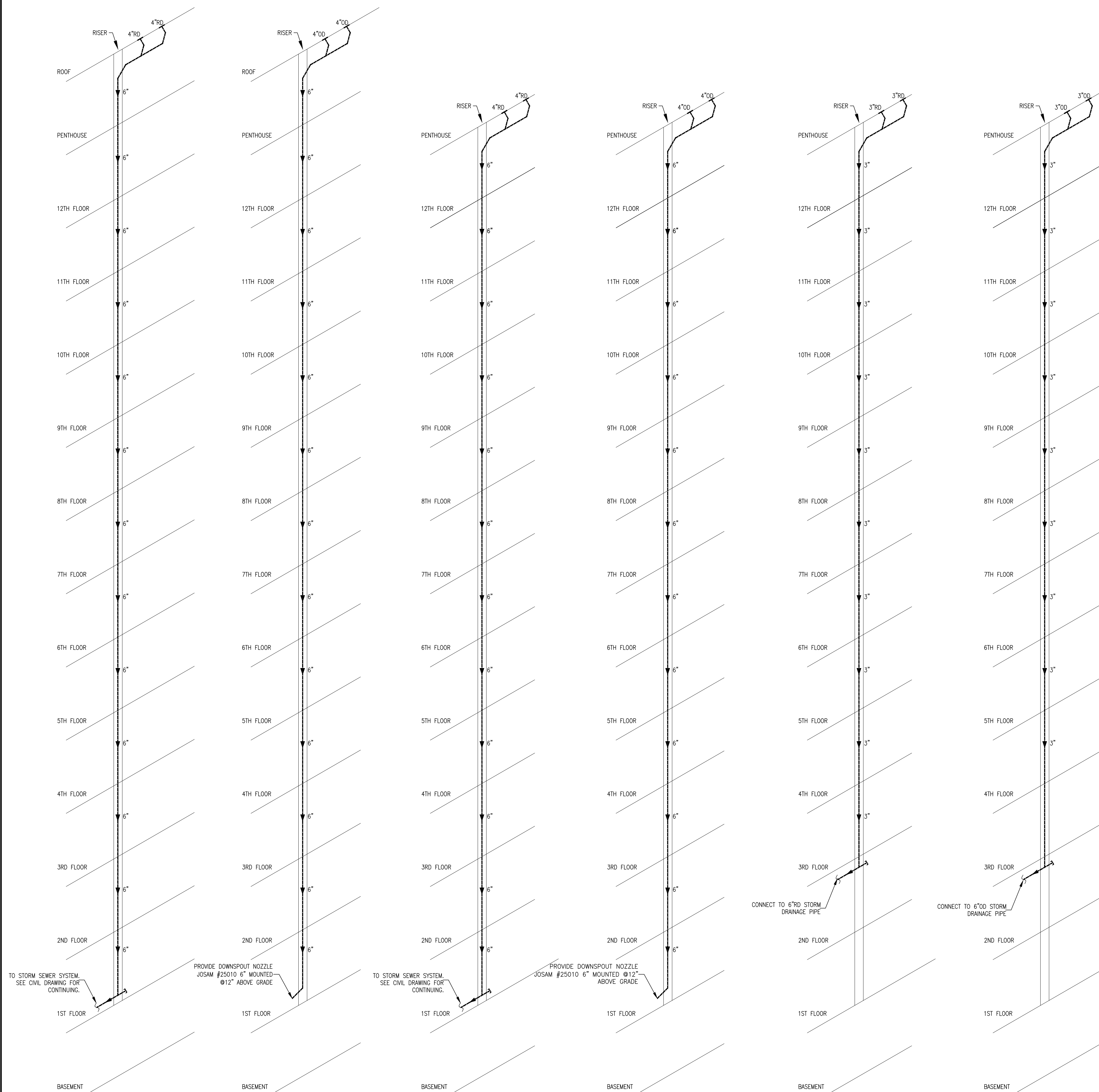
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 07-21-2017
DRAWN BY: PL
CHKD. BY: DV

PLUMBING RISERS

SHEET **P4.2**





SD1 STORM DRAINAGE SCHEMATIC DIAGRAM
SCALE: N.T.S.

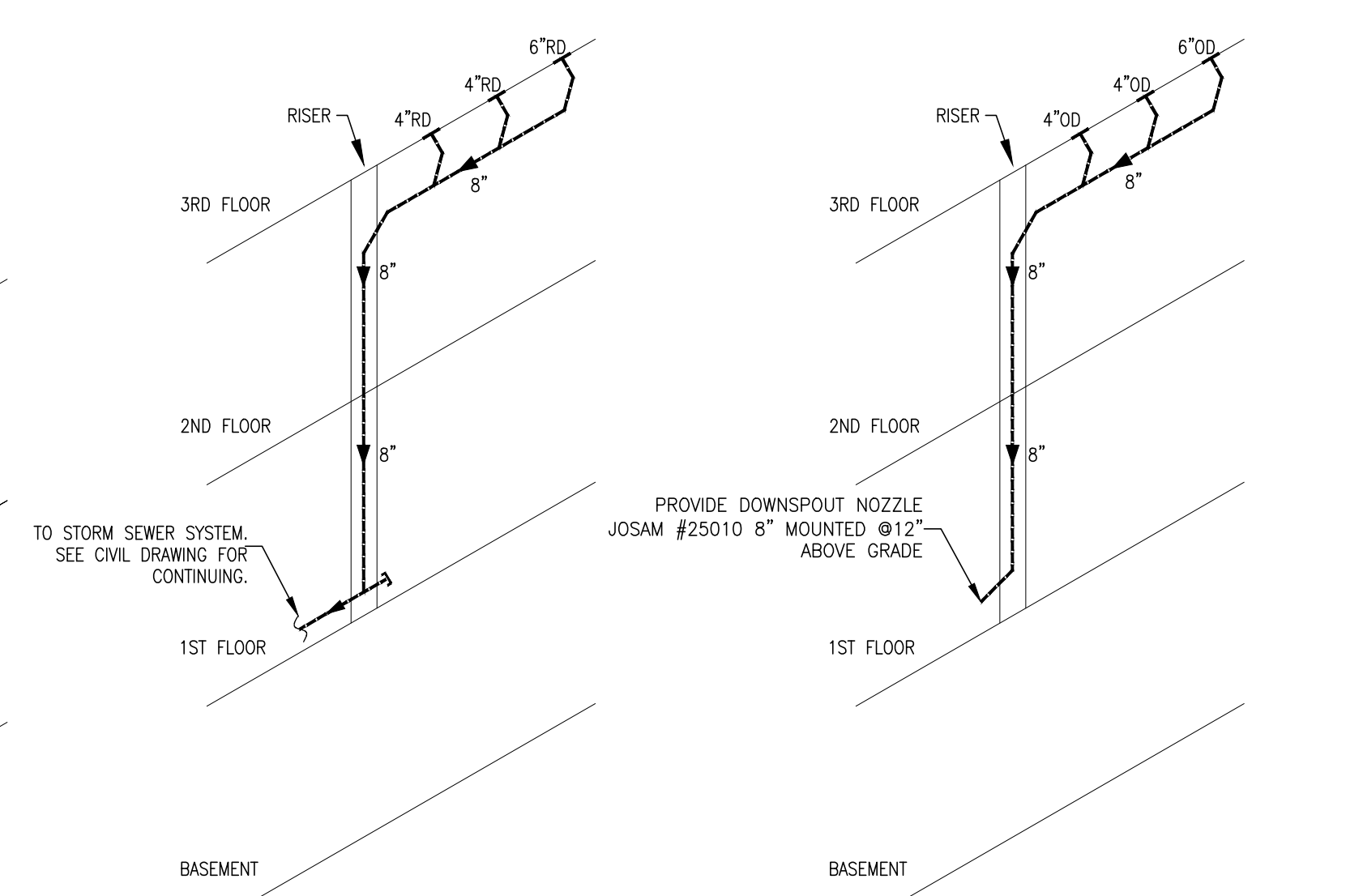
SD2 STORM DRAINAGE SCHEMATIC DIAGRAM
SCALE: N.T.S.

SD3 STORM DRAINAGE SCHEMATIC DIAGRAM
SCALE: N.T.S.

SD4 STORM DRAINAGE SCHEMATIC DIAGRAM
SCALE: N.T.S.

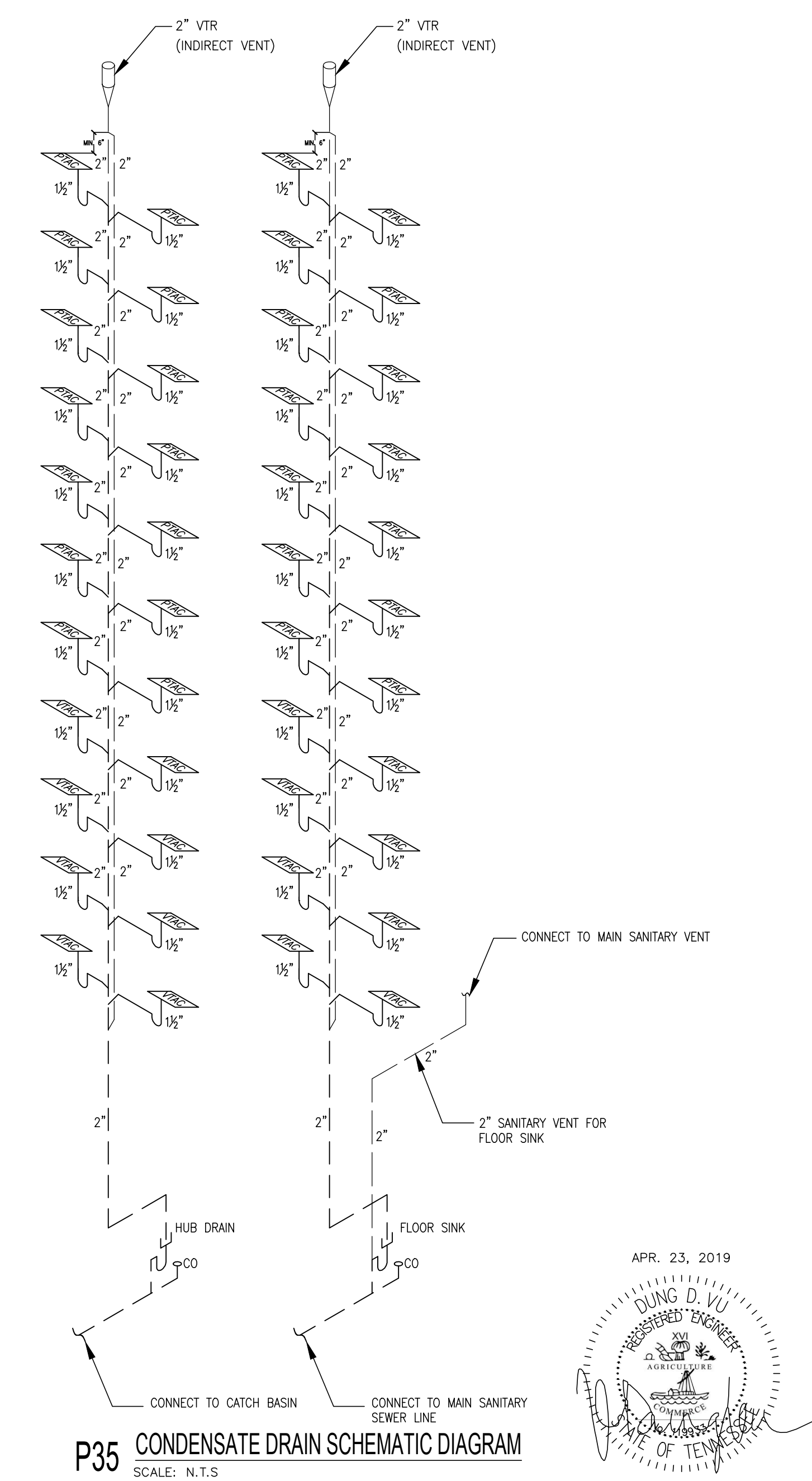
SD11 STORM DRAINAGE SCHEMATIC DIAGRAM
SCALE: N.T.S.

SD12 STORM DRAINAGE SCHEMATIC DIAGRAM
SCALE: N.T.S.

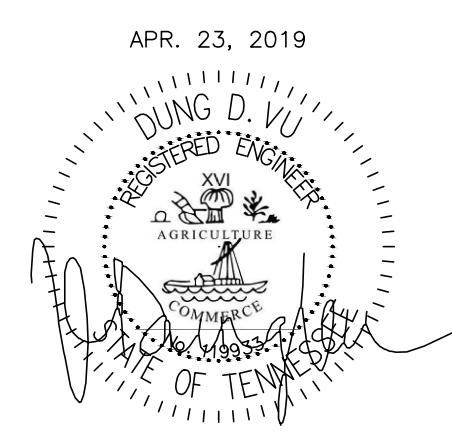


SD5 STORM DRAINAGE SCHEMATIC DIAGRAM
SCALE: N.T.S.

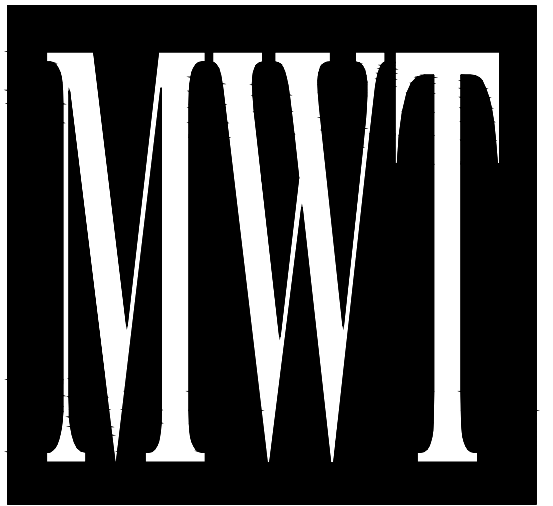
SD6 STORM DRAINAGE SCHEMATIC DIAGRAM
SCALE: N.T.S.



P35 CONDENSATE DRAIN SCHEMATIC DIAGRAM
SCALE: N.T.S.



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10	ISSUED TO FRANCHISE	04/23/19	PL



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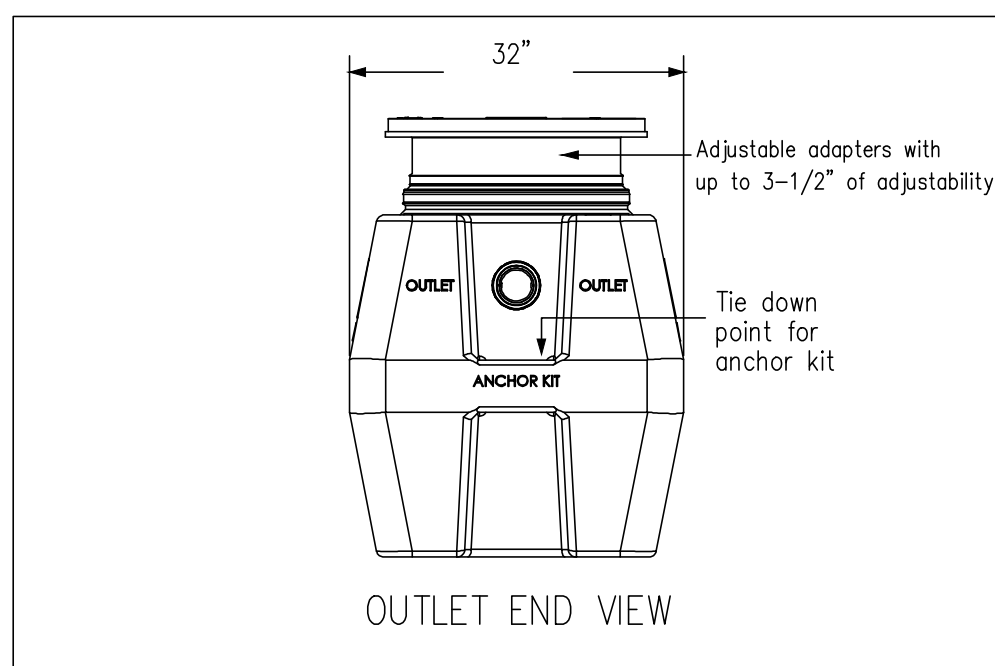
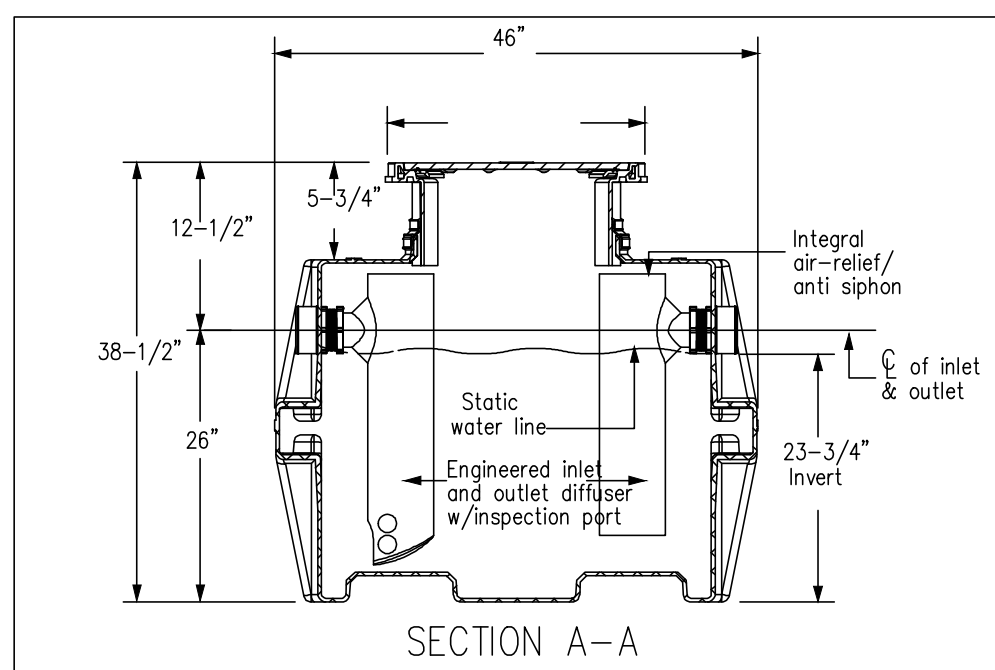
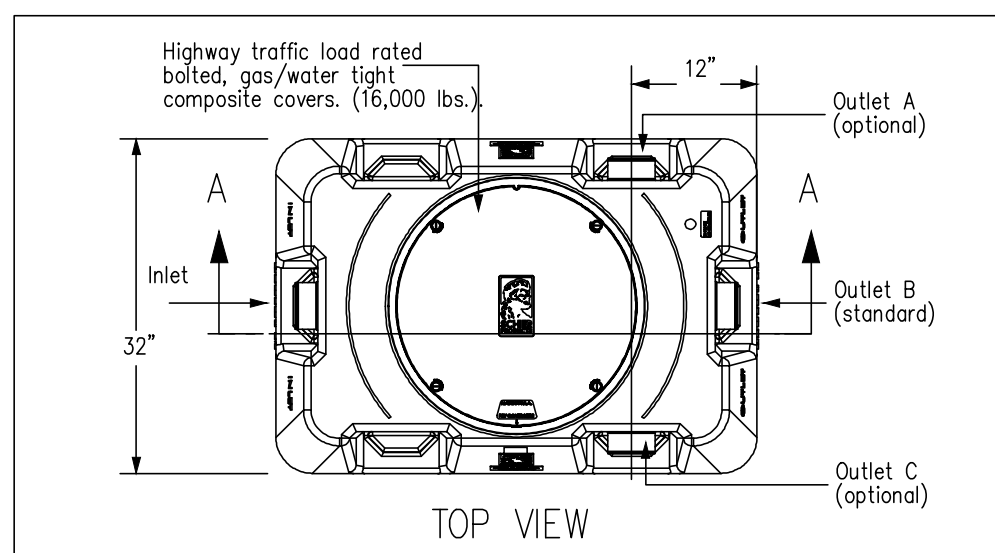
ALOFT MEMPHIS DOWNTOWN
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 07-21-2017
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PLUMBING RISERS

SHEET **P4.3**

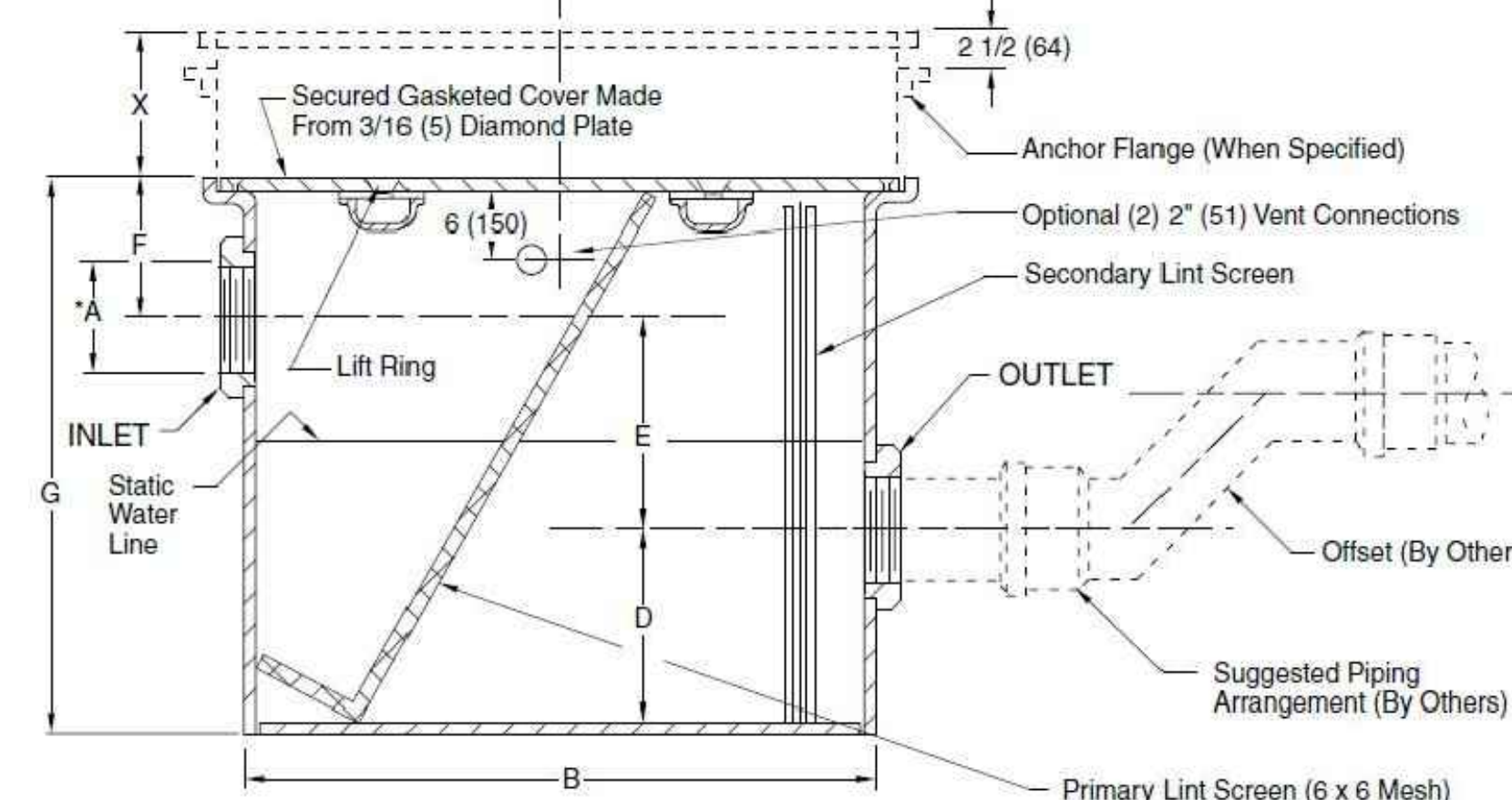
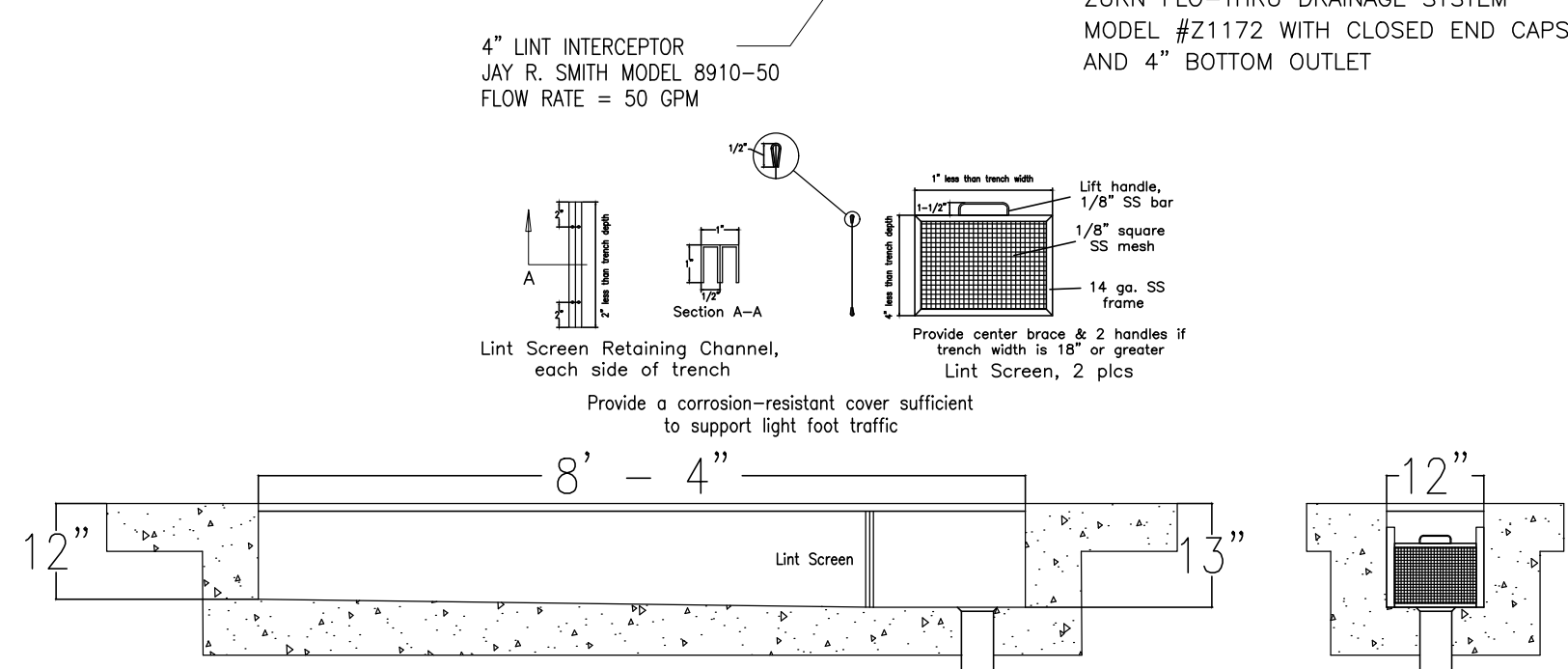
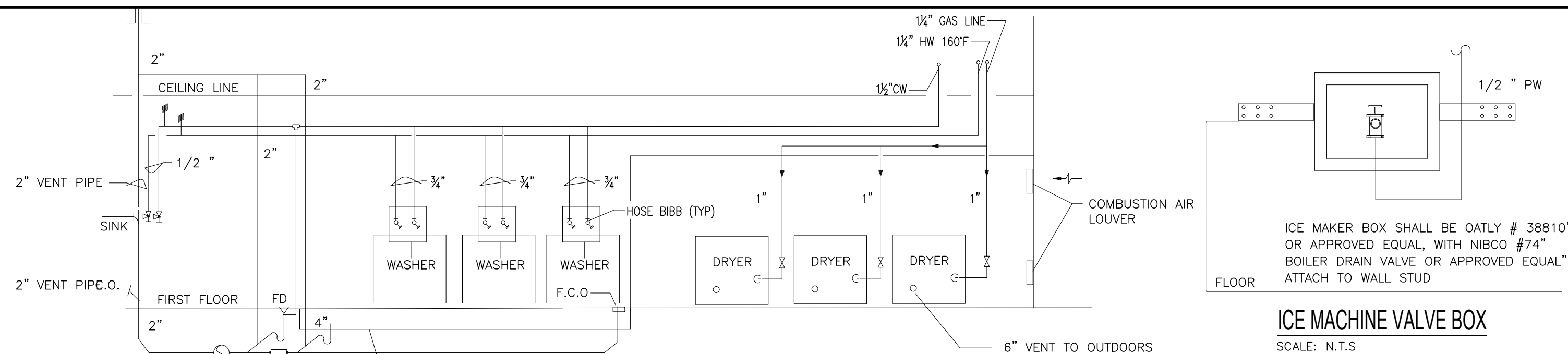
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DRAINAGE FIXTURE UNITS (dfu) SUMMARY FOR GREASE INTERCEPTOR

NO.	FIXTURE	X	dfu	=	TOTAL
PUBLIC					
4	HAND SINK	X	2	=	8
1	DISPOSER	X	2	=	2
1	WEST WASTE STAND W/ SINK	X	2	=	2
1	BEVERAGE COUNTER W/ SINK	X	2	=	2
1	POT WASHING SINK	X	3	=	3
2	DISH WASHER/ GLASS WASHER	X	2	=	4
2	FLOOR DRAIN	X	5	=	10
9	FLOOR SINK	X	5	=	45
1	FLOOR TROUGH	X	6	=	6
					82

BASE ON 2012 UPC TABLE 10-2 AND HOUSTON AMENDMENTS
 - TOTAL DRAINAGE FIXTURE UNIT: 82 DFU
 => HYDROMECHANICAL GREASE INTERCEPTOR (HG) FLOW: 100 GPM
 SELECT MINIMUM CAPACITY OF GREASE INTERCEPTOR AVAILABLE @ SIZE 100 GALLONS
 GREASE INTERCEPTOR SCHIER "GB-75" 75 GPM
 - 75 GPM FLOW RATE
 - 125 GALLONS CAPACITY
 - 616 LBS GREASE

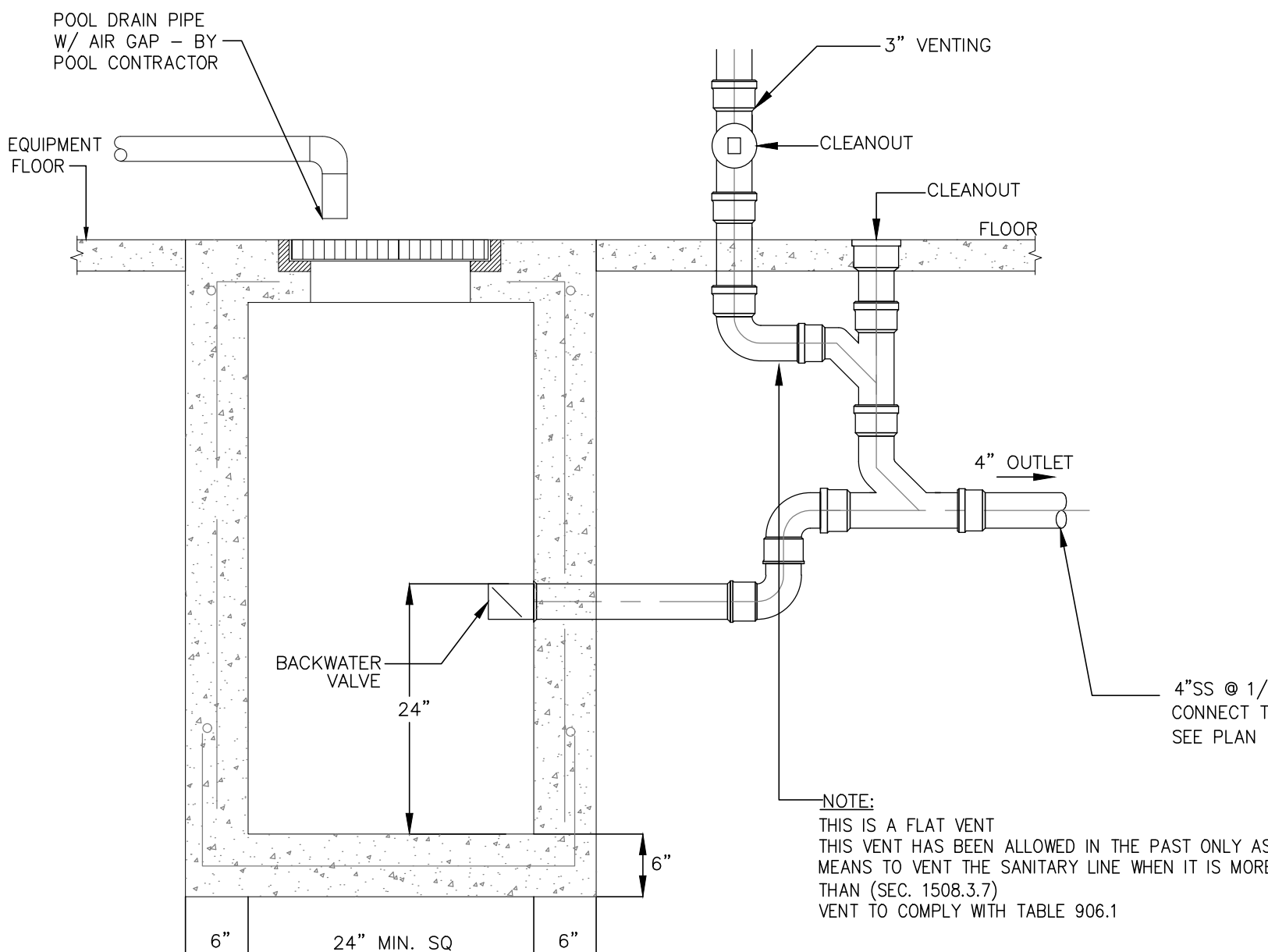
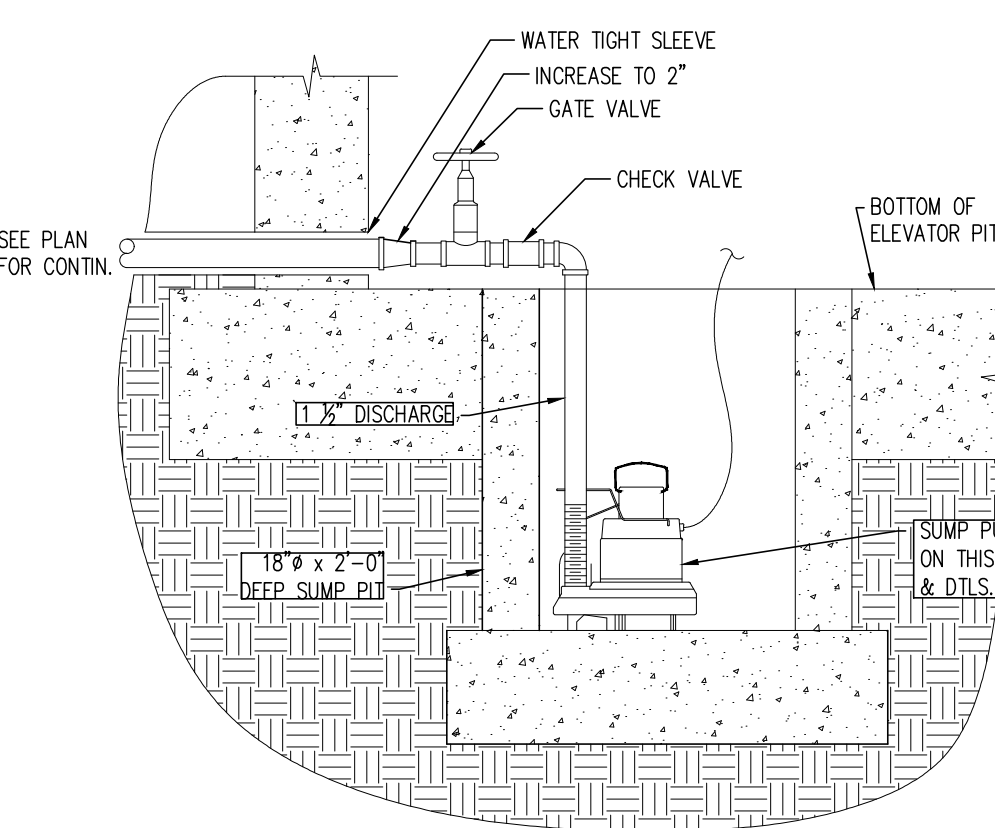
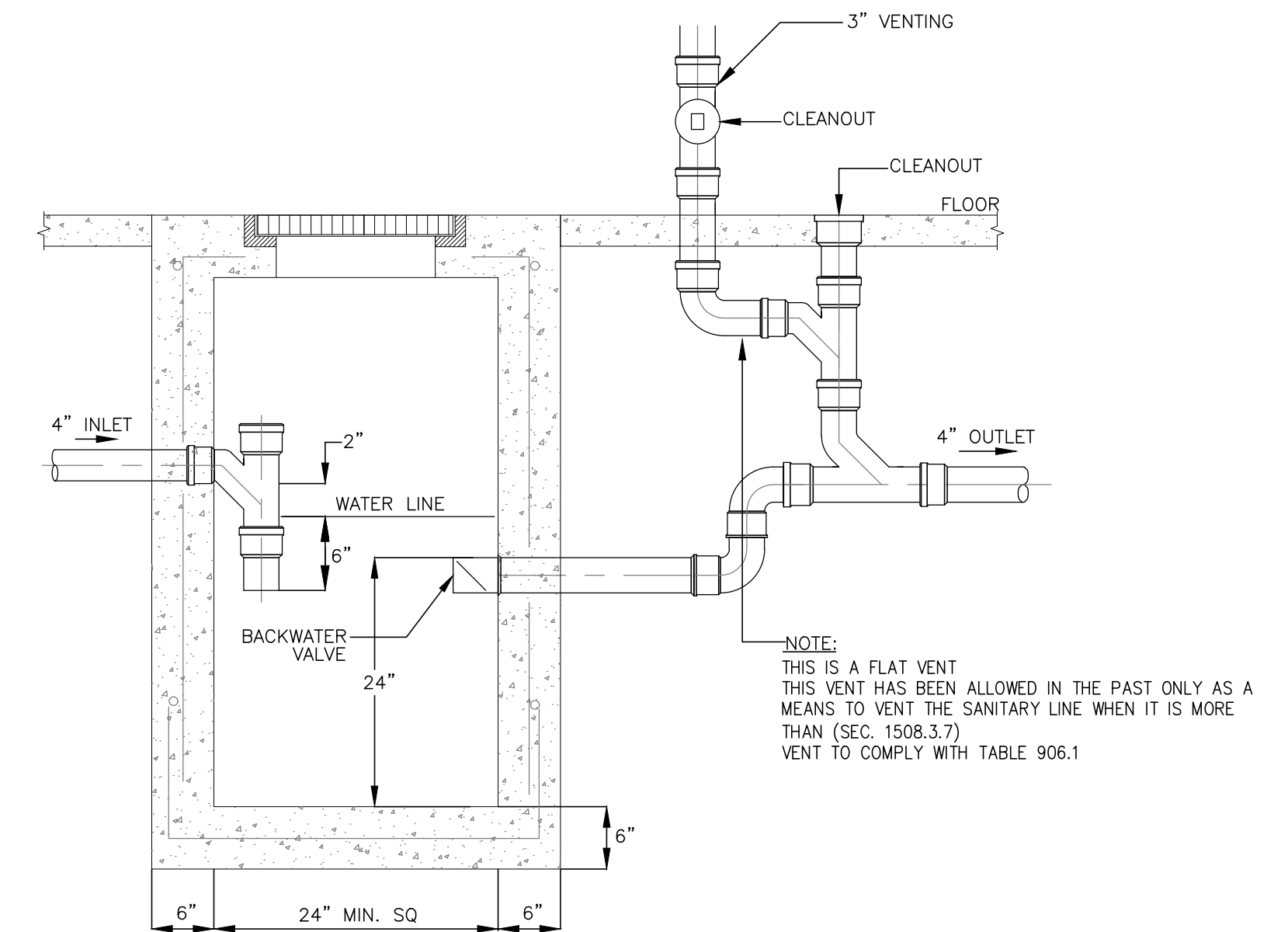
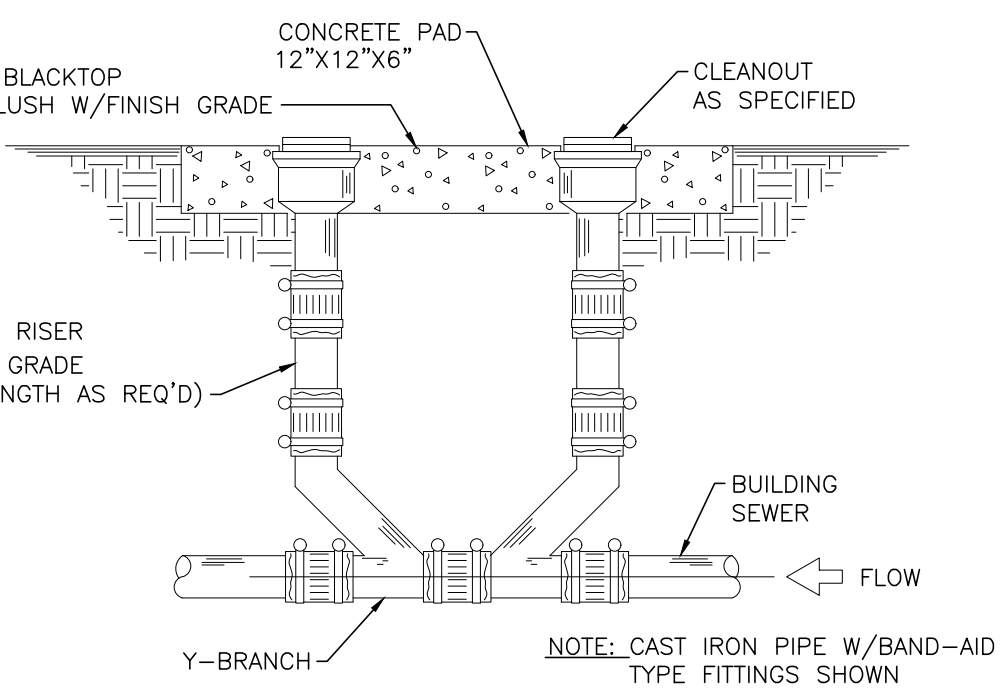
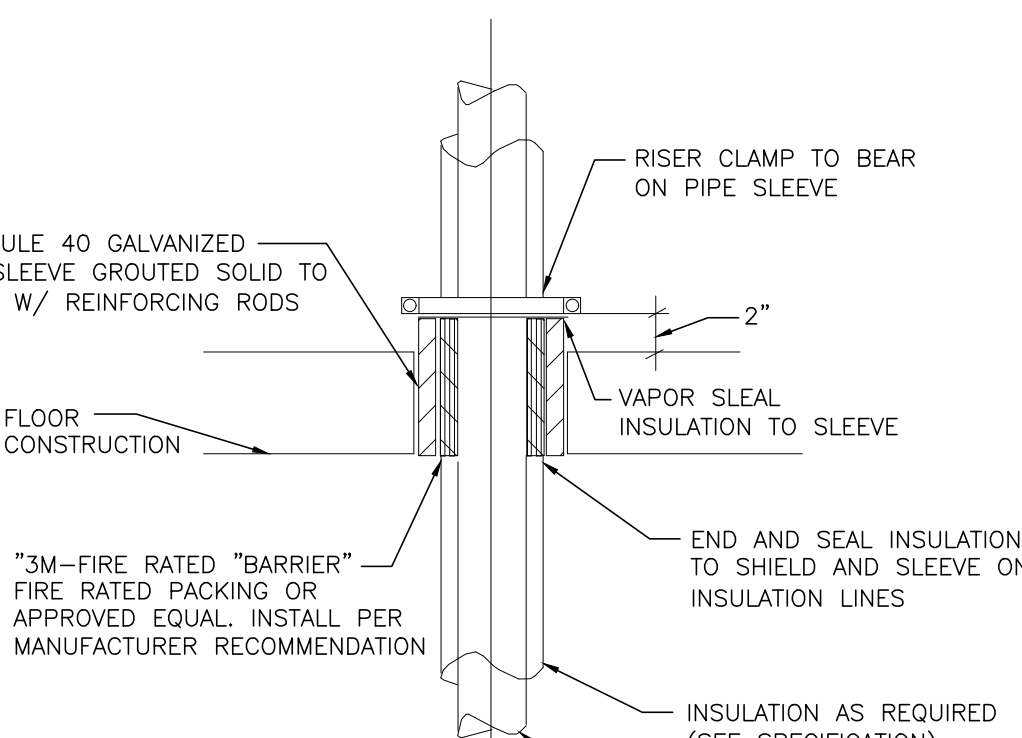
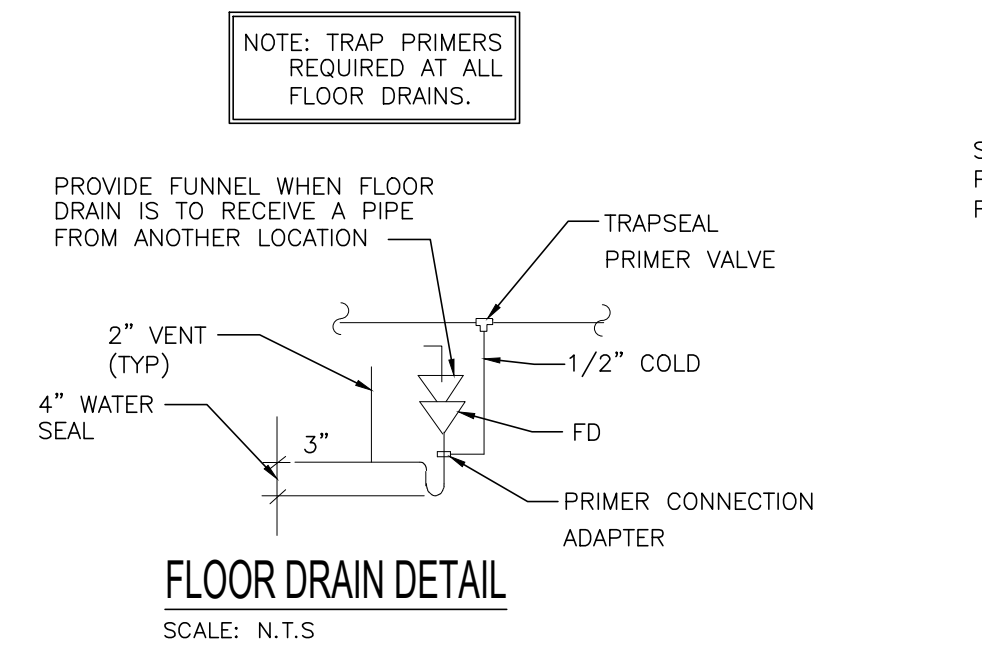


C = Body Width
 X = Specify Additional Height Required
 NOTE: It is the responsibility of the installer to check all parts (internal and external) to verify they are in their proper operating order and location.

LINT INTERCEPTOR SIZING:

MANUFACTURER - FIG. NO.	GPM FLOW RATE	MAXIMUM NUMBER OF WASHERS	INLET & OUTLET SIZE			DIMENSIONS				SECURING SCREWS IN COVER
			A	B	C	D	E	F	G	
JAY R. SMITH-8910-50	50	5	04"	40"	26"	12"	12"	8"	32"	10

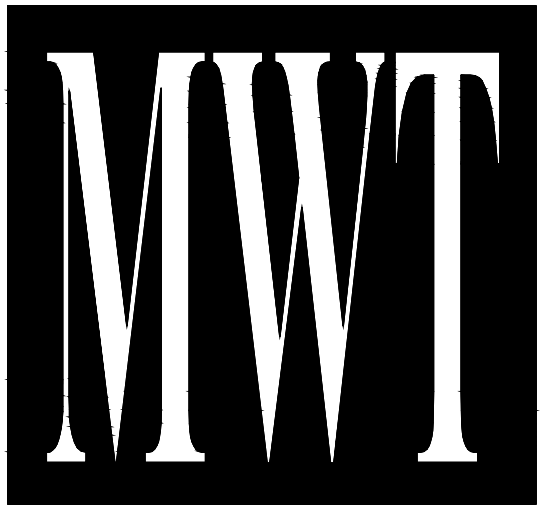
LINT INTERCEPTOR SIZING:
 * NUMBER OF WASHING MACHINES: 3
 * AVERAGE GRAVITY DISCHARGE RATE PER MACHINE (GPM): 12.5
 * AVERAGE WASH CYCLE (HOURS): 0.7
 * AVERAGE OPERATING HOURS (HOURS): 16
 * AVERAGE TURNS PER DAY PER MACHINE: 5.5
 * SIMULTANEOUS USE PROBABILITY: 75.0%
 => MAXIMUM DRAIN LOAD TO INTERCEPTOR (GPM) = 3*12.5*75% = 29 GPM
 SELECT MINIMUM CAPACITY OF LINT INTERCEPTOR AVAILABLE @ SIZE 50 GPM



SUMP PUMP SCHEDULE

MARK	LOCATION	MANUFACTURER	MODEL	TYPE	GPM	HEAD (FT.)	MOTOR			CONNECTIONS	
							HP	RPM	VOLTAGE	SUCTION	DISCHARGE
SP-03	ELEVATOR SUMP PIT	ZOELLER	M98	SUBMERSIBLE	61	10	1/2	1725	120/14/60	N/A	1 1/2"
SP-04	ELEVATOR SUMP PIT	ZOELLER	M98	SUBMERSIBLE	61	10	1/2	1725	120/14/60	N/A	1 1/2"
SP-05	ELEVATOR SUMP PIT	ZOELLER	M98	SUBMERSIBLE	61	10	1/2	1725	120/14/60	N/A	1 1/2"
SP-06	SUMP PIT 3 - BASEMENT	ZOELLER	M98	SUBMERSIBLE	61	10	1/2	1725	120/14/60	N/A	1 1/2"

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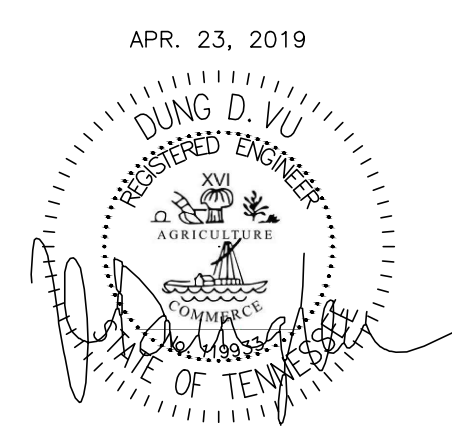
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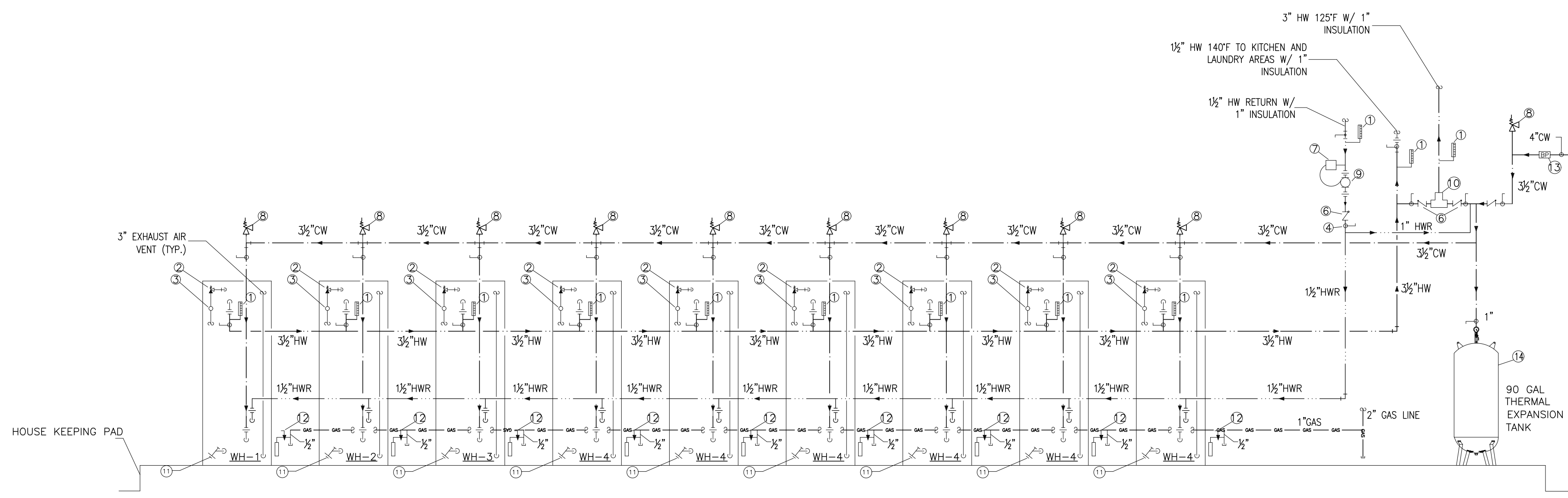
PLUMBING DETAILS

SHEET P5.0

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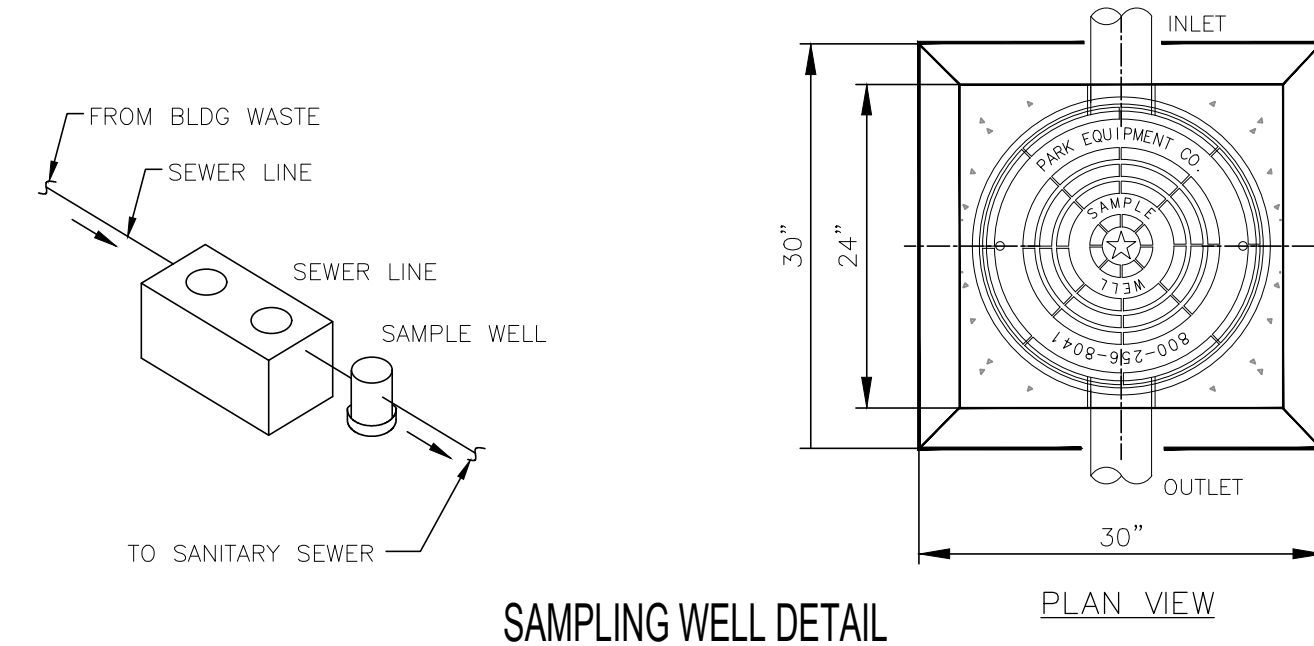
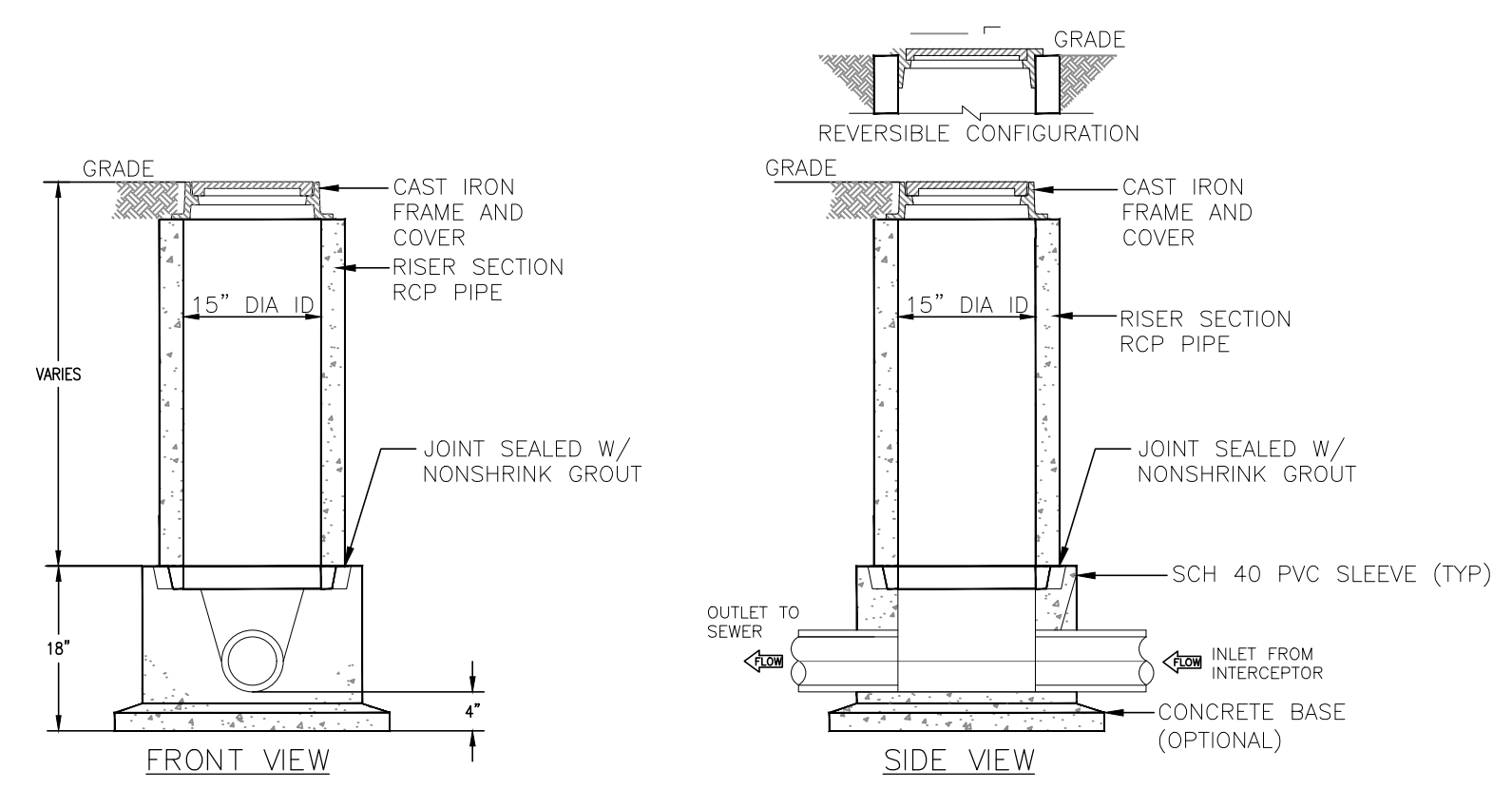
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GAS FIRED WATER HEATER PIPING DIAGRAM (FOR GUESTROOMS, RESTROOMS, OTHER PUBLIC AREAS...)
SCALE: N.T.S.

BILL OF MATERIALS (WATER HEATER)

- WEISS #9V512 VARI-ANGLE THERMOMETER 30"-240" (TYPICAL)
- ASME RATED T&P RELIEF VALVE INSTALLED IN THE COLD WATER SUPPLY LINE ABOVE THE TOP OF THE HEATER OR TANK. SHALL BE PROVIDED TO PREVENT SIPHONING OF ANY STORAGE WATER HEATER OR TANK
- T&P VALVE DRAIN SHALL BE ROUTED TO FLOOR DRAIN
- PLUG COCK(TYPICAL)
- DIELECTRIC UNION(TYPICAL)
- CHECK VALVE(TYPICAL)
- IMMERSION TYPE CLOSE DIFFERENTIAL AQUASTAT WITH TIMER
- VACUUM RELIEF VALVE WATTS #N36
- 110F CIRCULATING PUMP (20CPM@45FT. HEAD) 3/4 HP BELL & GOSSET SERIES 60
- DIGITAL MIXING VALVE ARMSTRONG DRVBR SET AT 125F
- DRAIN VALVE
- GAS COCK(TYPICAL)
- LISTED BACKFLOW PREVENTER
- THERMAL EXPANSION TANK 90 GAL



SAMPLING WELL DETAIL
SCALE: N.T.S.

EQUIPMENT LIST:

- (A) COPPER SUCTION HEADER FLANGE
- (B) COPPER DISCHARGE HEADER FLANGE
- (C) SOLENOID VALVE
- (D) PUMP & MOTOR (TYPICAL)
- (E) CONTROL PANEL
- (F) BRONZE BALL VALVE
- (G) PRESSURE GAUGE
- (H) AQUASTAT (TEMPERATURE GAUGE)
- (I) RUBBER ISOLATION CUSHION
- (J) SUCTION PRESSURE LINE
- (K) CHECK VALVE
- (L) LOW SYSTEM PRESSURE CUT OFF SWITCH
- (M) TANK DRAIN WITH MALE HOSE CONNECTION

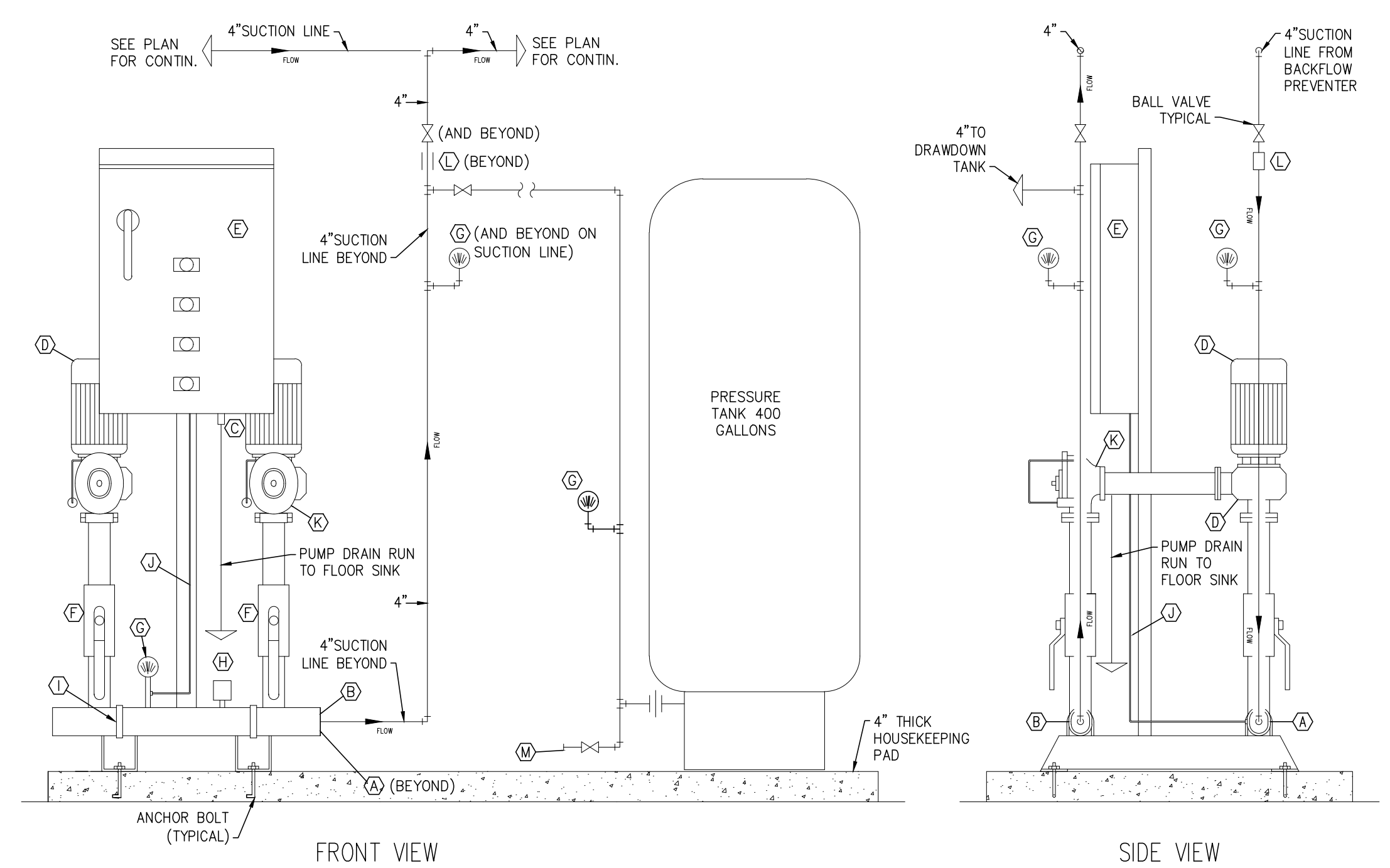
BOOSTER PUMP NOTES:

- BOOSTER SYSTEM SHALL EQUAL TO ARMSTRONG DUPLEX BOOSTER MODEL 4700.
- PUMPS SHALL BE ARMSTRONG SERIES # VMS-3203, END SUCTION - 4 x 1.5 x 6 (15 HP), WITH A SUCTION PRESSURE OF 40 PSI AND A BOOST PRESSURE OF 35 PSI.
- PUMP SYSTEM SHALL BE COMPLETELY FACTORY ASSEMBLED, TESTED AT FACTORY AND SHIPPED TO INSTALLATION AS AN INTEGRAL UNIT READY FOR DOMESTIC SYSTEM PIPING INSTALLATION. CONTROL DEVICES SHALL BE PRE-SET. EQUIPMENT VENDOR SHALL SUPERVISE START-UP AND INITIAL RUN-IN PERIOD.
- PUMP SYSTEM SHALL BE OF VARIABLE SPEED TYPE IN ORDER TO PROVIDE A CONSISTENT BUILDING WATER PRESSURE REGARDLESS OF PRESSURE FLUCTUATIONS IN STREET PRESSURE. SEE SPECIFICATIONS.

- NOTES:**
- SAMPLING WELL MUST BE INSTALLED UNDER A SEPARATE PERMIT.
 - USE 15" T&G R.C.P. FOR INSTALLATION FOR INSTALLATION 6'-0" DEEP AND LESS
 - USE 24" T&G R.C.P. FOR INSTALLATION GREATER THAN 6'-0" DEEP. (STD RING AND M.H. COVER REQUIRED)
 - SAMPLING WELL MUST BE SET IN A CIRCULAR OR SQUARE CONCRETE PAD (1'-0" GREATER THAN OUTSIDE DIAMETER OF PIPE.)
 - INSIDE INSTALLATION NOT PERMITTED, WHERE OUTSIDE INSTALLATION IS POSSIBLE.
 - INSTALLATION INSIDE BLDG MUST BE POURED IN PLACE (15"MIN) NO CONCRETE PIPE IS PERMITTED, (AIR-TIGHT COVER REQUIRED.)
 - LAWN INSTALLATION MUST BE 4" ABOVE FINISHED GRADE.
 - DRIVE & SIDEWALK INSTALLATION MUST BE BROUGHT TO FINISHED GRADE
 - TO BE INSTALLED ON PRIVATE PROPERTY, IN AN ACCESSIBLE LOCATION TO CITY PERSONNEL.

SPECIFICATIONS:

- CONCRETE: CLASS 1 CONCRETE WITH DESIGN STRENGTH OF 4500 PSI AT 28 DAYS. UNIT IS OF MONOLITHIC CONSTRUCTION AT FLOOR AND FIRST STAGE OF WALL WITH SECTIONAL RISER TO REQUIRED DEPTH
- CI CASTINGS: CAST IRON FRAMES AND GRATES ARE MANUFACTURED OF GREY CAST IRON CONFORMING TO ASTM A48-76 CLASS 30, HEAVY-DUTY A8HT0 H-20

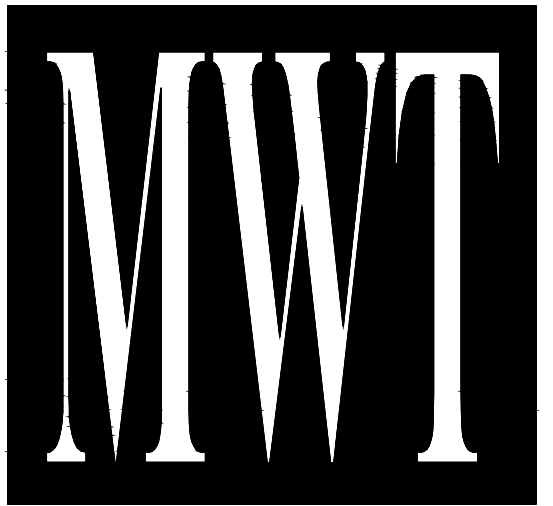
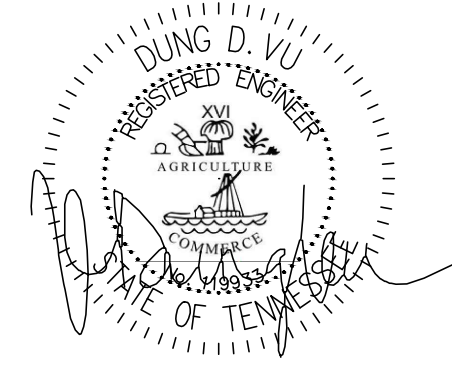


DOMESTIC BOOSTER PUMP PIPING DIAGRAM
SCALE: N.T.S.

BOOSTER PUMP SCHEDULE

MARK	LOCATION	MANUFACTURER	MODEL	TYPE	GPM	HEAD (FT.)	MOTOR			CONNECTIONS		REMARKS
							HP	RPM	VOLTAGE	SUCTION	DISCHARGE	
BP	WATER HEATER RM	ARMSTRONG	VMS-3203	DUPLEX BOOSTER	100 (EA. PUMP)	260	15 (EA. PUMP)	3500	208/34/60	4"	4"	DUPLEX PACKAGED BOOSTER SYSTEM BASED ON ARMSTRONG NO. 4700 WITH (2) 15 HP VMS-3203 VARIABLE SPEED PUMPS. PROVIDE WITH INTEGRAL DISCONNECT.

APR. 23, 2019



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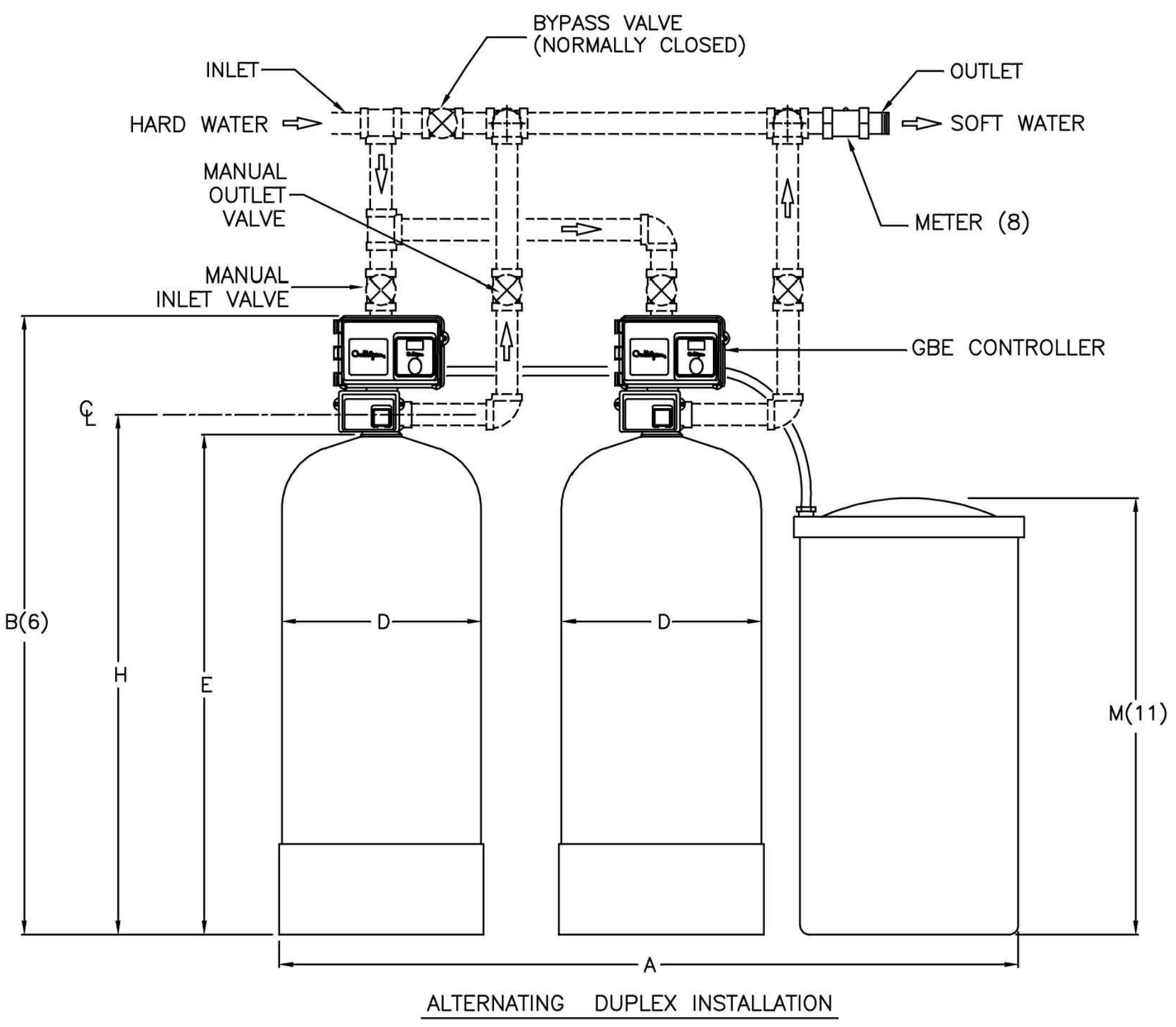
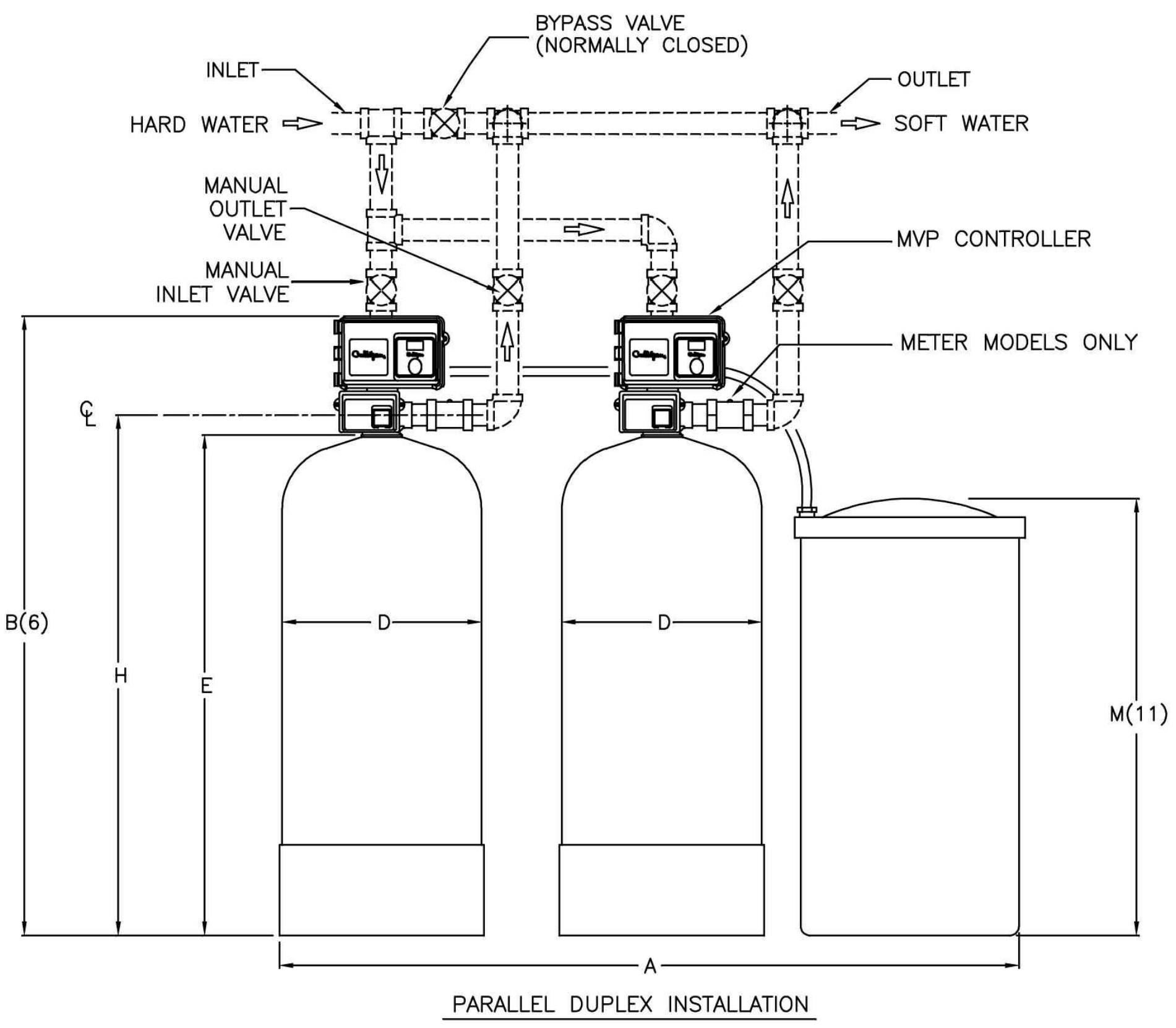
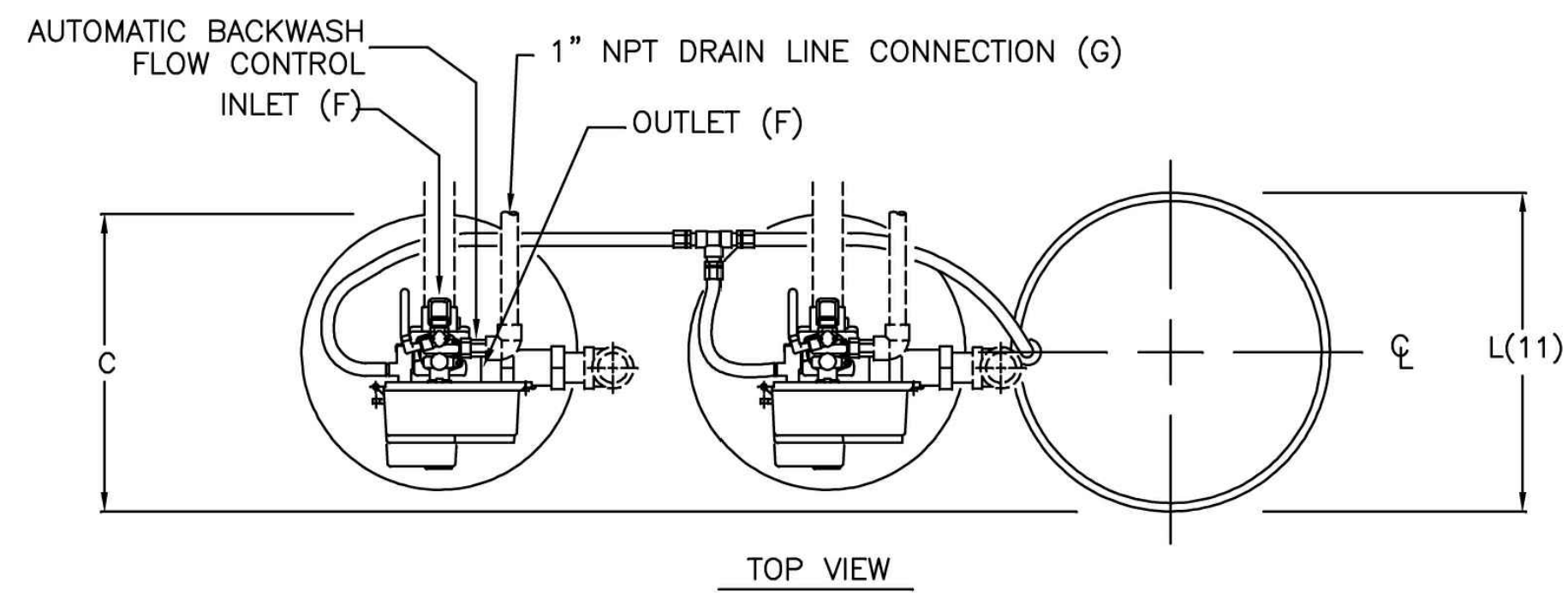
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PLUMBING DETAILS

SHEET **P5.1**

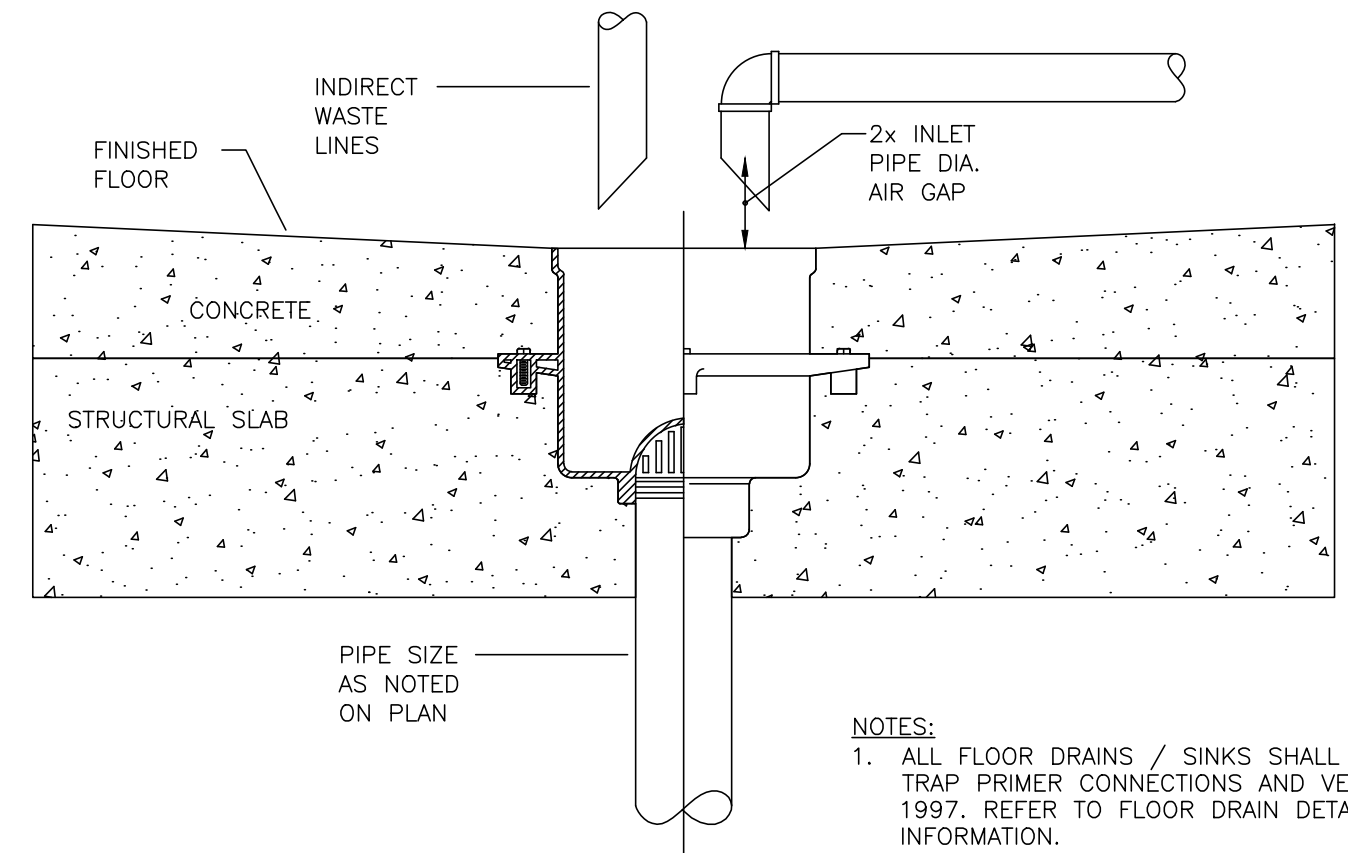
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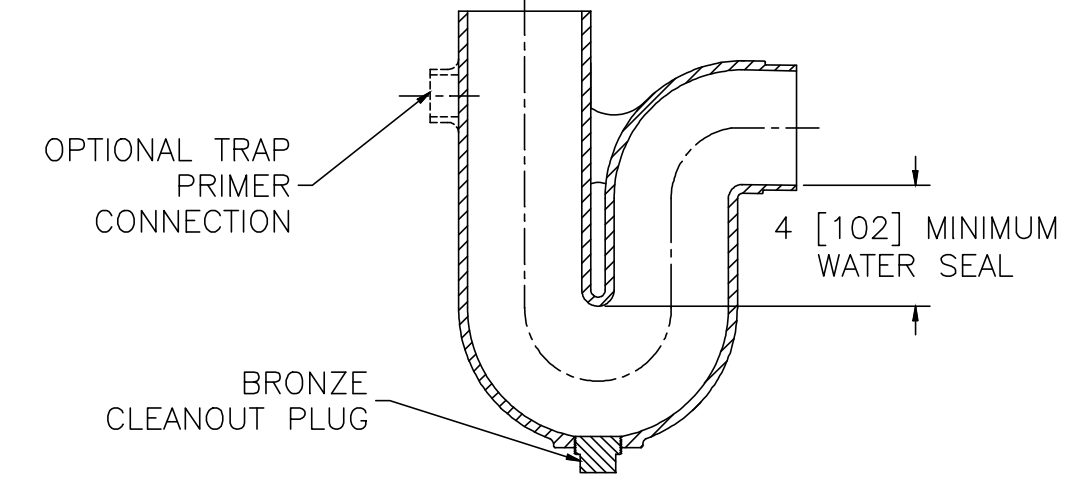
WATER SOFTENER DETAIL
SCALE: N.T.S.

MANUFACTURE - MODEL	WIDTH A	HEIGHT B	DEPTH C	TANK DIA D	TANK HEIGHT E	INLET OUTLET PIPE SIZES F	DRAIN SIZE H	FLOOR TO INLET J	BRINE TANK DIA L(11)	BRINE TANK HEIGHT M(11)	MAX. CAPACITY KGR @ SALT DOSAGE	RESIN VOLUME ft ³	CONTINUOUS FLOW gpm @ 25 psi drop	PEAK FLOW gpm @ 25 psi drop	DRAIN FLOW gpm	MIN. DRAIN PIPE SIZE IN.	DUPLEX OPER. WT. lbs.	DUPLEX SHIP. WT. lbs.
CULLIGAN CTM-300 HWB NHWB MT	86	94	24	24	75.5	1.5	1.5	82.6	24	50	300 @ 150	10	70	95	15	1.25	4010	1620

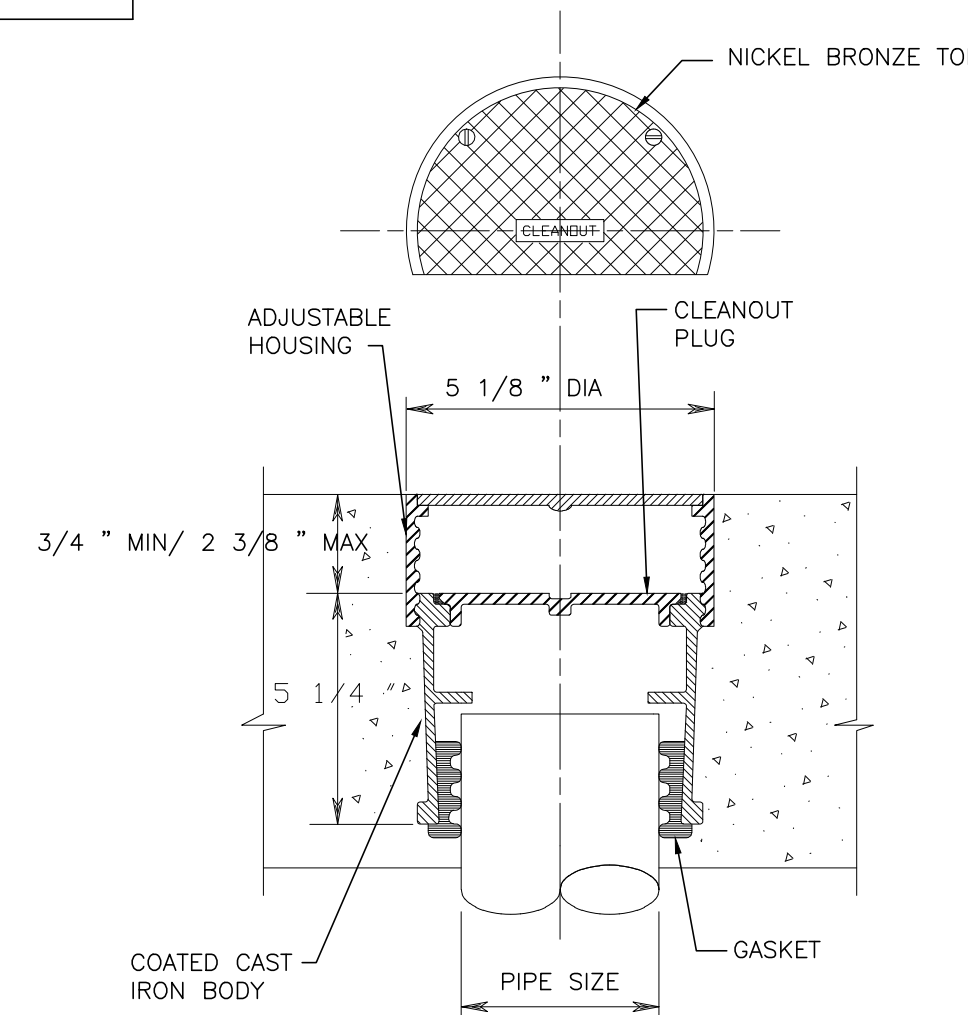


NOTES:
1. ALL FLOOR DRAINS / SINKS SHALL BE PROVIDED WITH TRAP PRIMER CONNECTIONS AND VENT PIPING PER IPC 1997. REFER TO FLOOR DRAIN DETAIL FOR ADDITIONAL INFORMATION.
2. VERIFY FLOOR CONSTRUCTION TYPE WITH ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS. MATERIAL SHOWN AS EXAMPLE "ONLY". CONTRACTOR SHALL FIELD VERIFY EXISTING FLOOR TYPE PRIOR TO INSTALLATION.

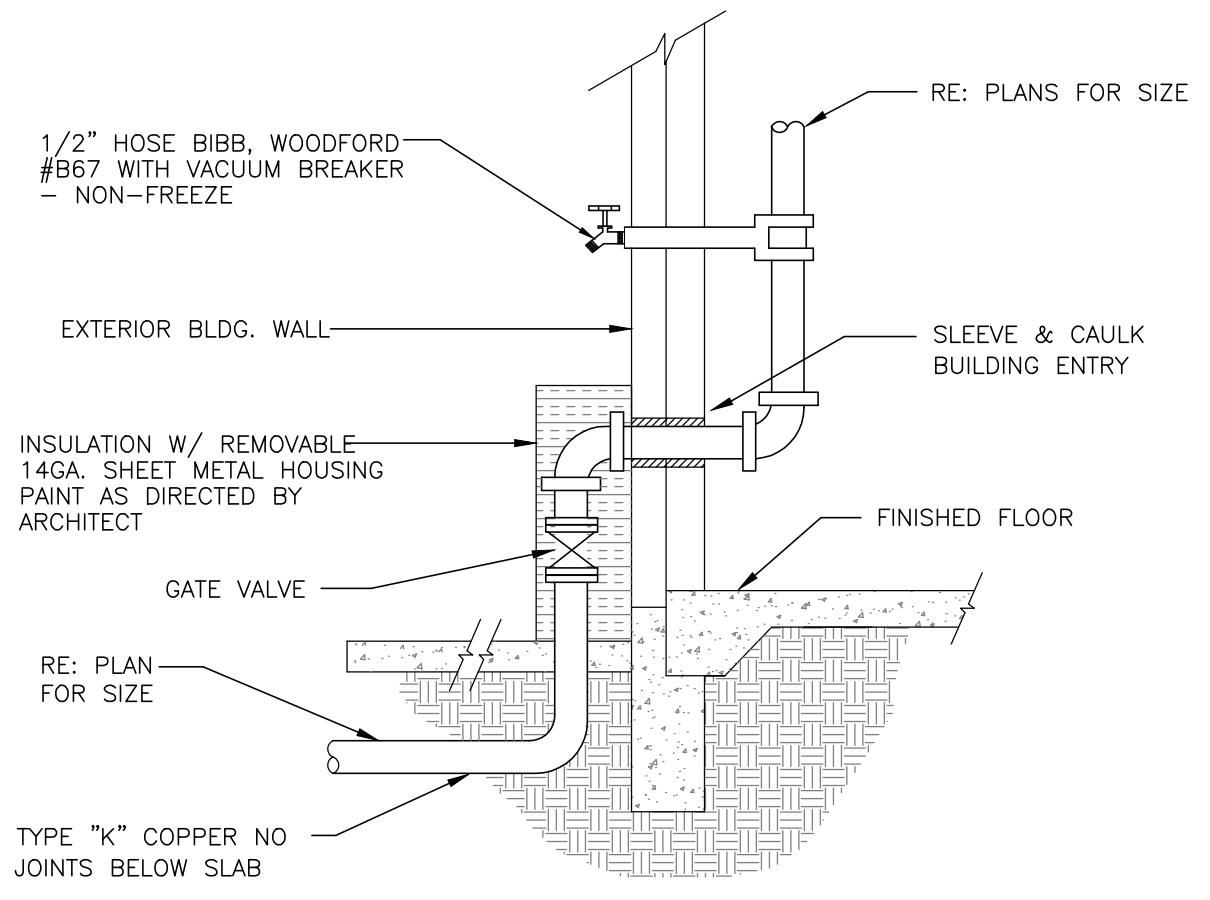
TYPICAL INDIRECT WASTE PIPING TO FLOOR DRAIN/SINK DETAIL
SCALE: NTS



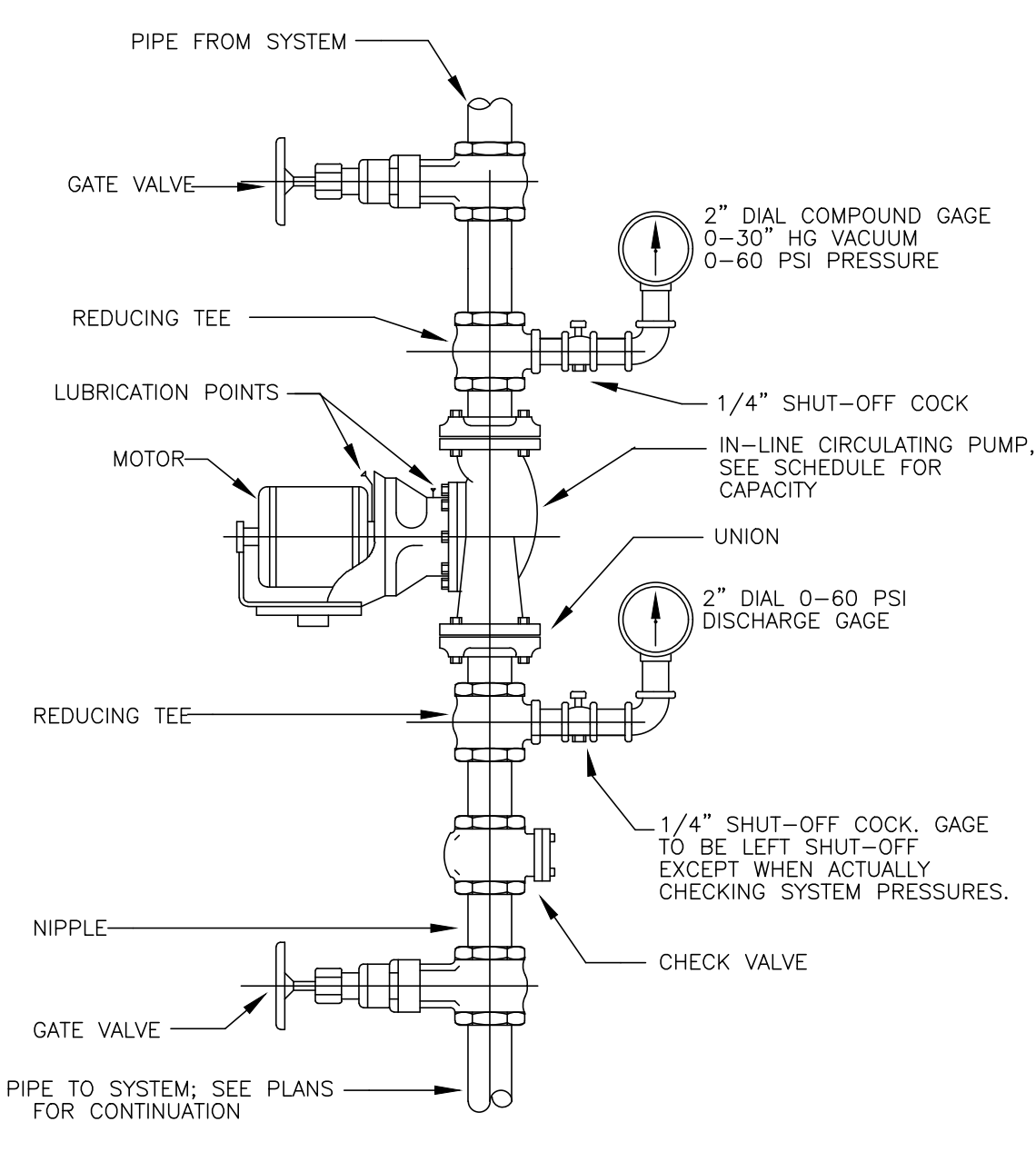
DEEP SEAL TRAP DETAIL
SCALE: NTS



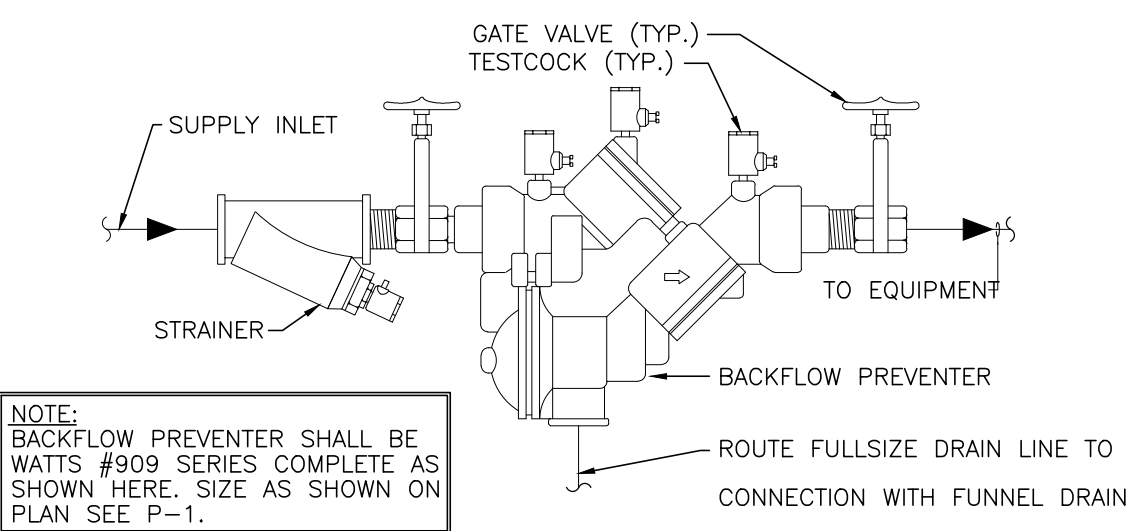
FLOOR CLEANOUT
SCALE: N.T.S.



DOMESTIC WATER SERVICE ENTRY DETAIL
SCALE: NTS

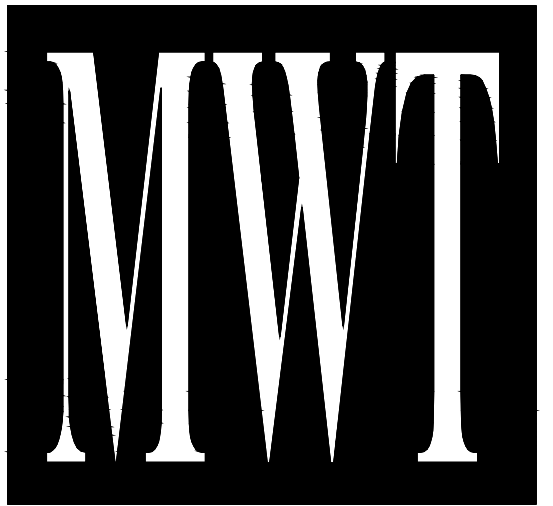


HOT WATER CIRCULATION PUMP DETAIL
SCALE: NTS



BACKFLOW PREVENTER DETAIL
SCALE: N.T.S.

NOTE: BACKFLOW PREVENTER SHALL BE WATTS #9909 SERIES COMPLETE AS SHOWN HERE. SIZE AS SHOWN ON PLAN SEE P-1.



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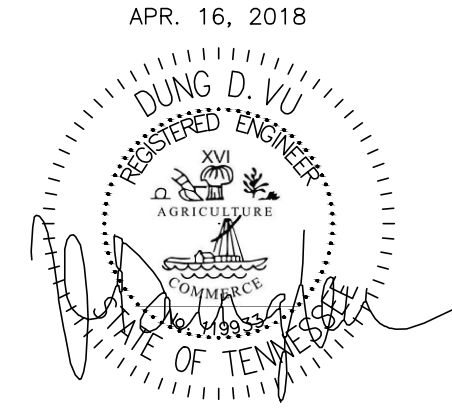
ALOFT MEMPHIS DOWNTOWN

63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 07-21-2017
DRAWN BY: PL
CHKD. BY: DV

PLUMBING DETAILS

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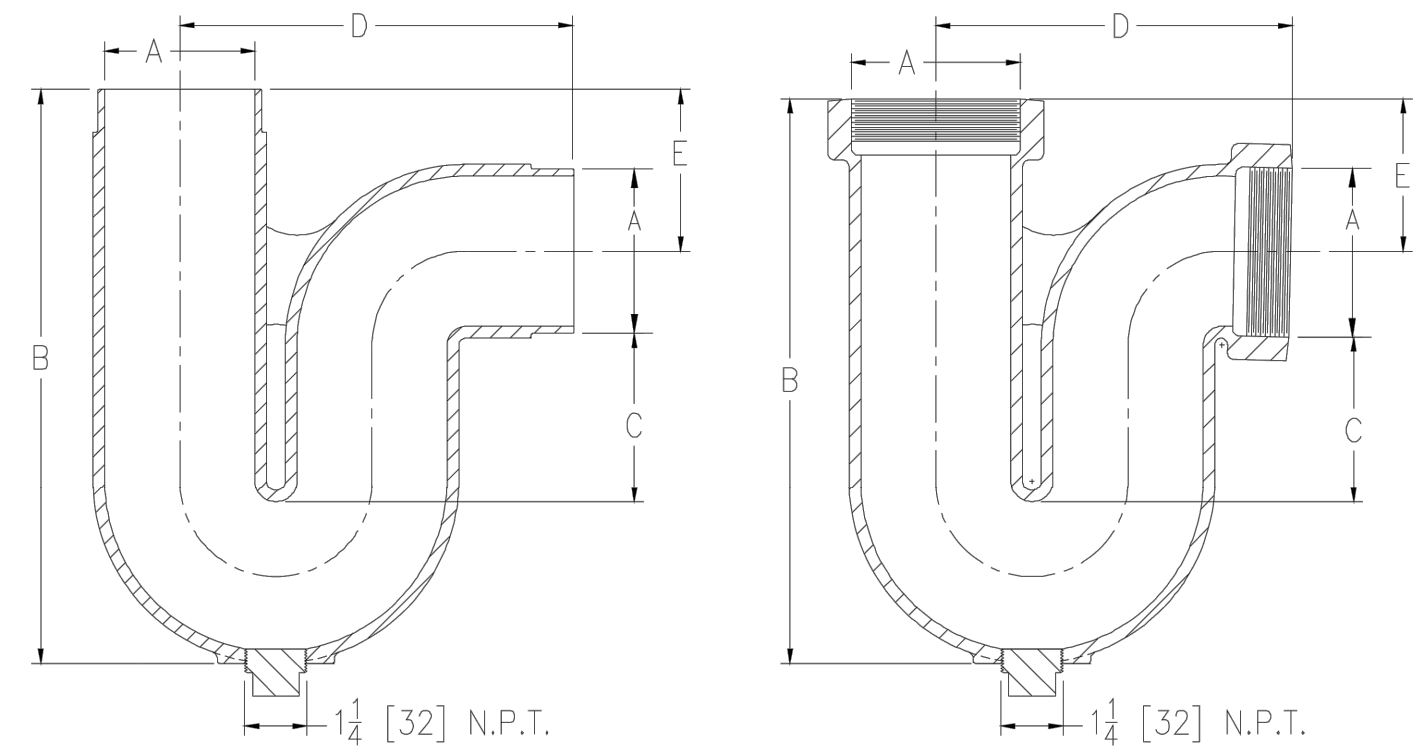




Z1000 DEEP SEAL TRAP

SPECIFICATION SHEET TAG _____

Dimensional Data (inches and [mm]) are Subject to Manufacturing Tolerances and Change Without Notice



Dimensions In Inches					Approx. Wt. Lbs. [kg]
A Pipe Size	B	C	D	E	
Threaded					
2 [50]	9-1/2 [241]	4 [102]	5-7/8 [149]	1-3/4 [44]	8 [4]
3 [75]	13 [330]	5 [127]	7-1/2 [190]	3 [76]	17 [8]
4 [100]	15 [381]		9-1/2 [241]	4 [102]	32 [14]
No-Hub					
2 [50]	10-1/2 [267]	4 [102]	6-1/2 [165]	2-3/4 [70]	8 [4]
3 [75]	13-1/2 [343]	5 [127]	8 [203]	3-1/2 [89]	17 [8]
4 [100]	15-1/4 [387]		9-1/2 [241]	4-1/4 [106]	32 [14]

ENGINEERING SPECIFICATION: ZURN
Z1000 Deep Seal Trap, Dura-Coated cast iron body with bottom bronze cleanout plug.

CONNECTIONS

(Check/specify appropriate options)

PIPE SIZE	(Specify size/type) CONNECTION
2-3-4 [50-75-100]	___ IP Threaded
2-3-4 [50-75-100]	___ NH No-Hub

PREFIXES
___ Z D.C.C.I. Body*

SUFFIXES
___ -FL Flushing Connection
___ -G Galvanized Cast Iron
___ -P Trap Primer Connection
(Specify 1/2 [13] or 3/4 [19])

REV. F DATE: 10/28/10 C.N. NO. 120175

DWG. NO. 58885 PRODUCT NO. Z1000

ZURN INDUSTRIES, LLC. • SPECIFICATION DRAINAGE OPERATION • 1801 Pittsburgh Ave. • Erie, PA 16514
Phone: 814/455-0921 • Fax: 814/454-7929 • World Wide Web: www.zurn.com
In Canada: ZURN INDUSTRIES LIMITED • 3544 Nashua Drive • Mississauga, Ontario L4V1L2 • Phone: 905/405-6272 Fax: 905/405-1292

DEEP SEAL TRAP SPECIFICATION
SCALE: N.T.S.

For Non-Health Hazard Applications

ES-709DCDA

Job Name _____ Contractor _____
 Job Location _____ Approval _____
 Engineer _____ Contractor's P.O. No. _____
 Approval _____ Representative _____

Series 709DCDA Double Check Detector Assemblies

Sizes: 3" - 10" (80 - 250mm)

Series 709DCDA Double Check Detector Assemblies are designed exclusively for use in accordance with water authority containment requirements. It is mandatory to prevent the reverse flow of fire protection system substances, i.e. glycerin wetting agents, stagnant water and water of non-potable quality from being pumped or siphoned into the potable water line.

Benefits: Detects leaks... with emphasis on the cost of unaccountable water; incorporates a meter which allows the water utility to:

- detect leaks underground that historically create great annual cost due to waste.
- provide a detection point for unauthorized use. It can help locate illegal taps.

Modular check design concept facilitates maintenance and assembly access. All sizes are standardly equipped with resilient seated OSY shutoff valves, 5/8" x 3/4" (16 x 19mm) meter and ball type test cocks.

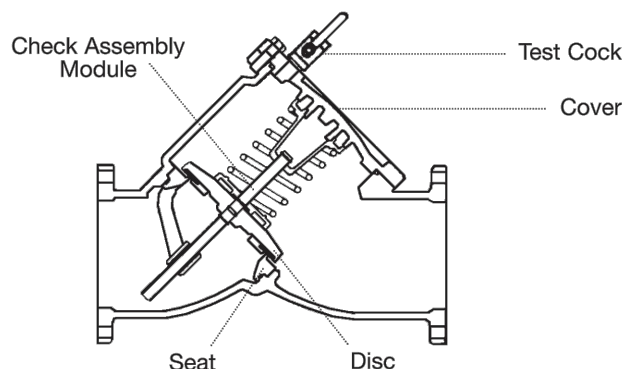
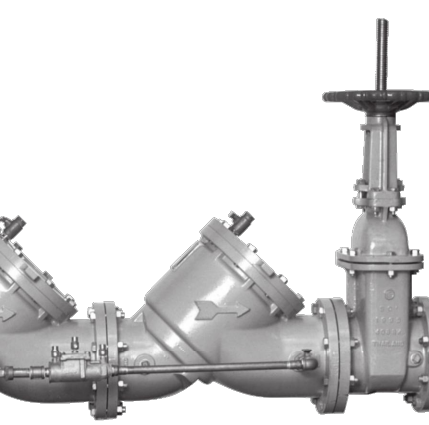
Features

- Body construction fused epoxy coated cast iron
- Replaceable bronze seats
- Maximum flow at low pressure drop
- Compact for economy combined with performance
- Design simplicity for easy maintenance
- Furnished with 5/8" x 3/4" (16 x 19mm) bronze meter
- No special tools required for servicing

Specifications

A Double Check Detector Assembly shall be installed on fire protection systems when connected to a potable water supply. Degree of hazard present to be determined by the local authority having jurisdiction. The unit shall be a complete assembly including UL listed resilient seated OSY shutoff valves and test cocks. The unit shall be UL/FM approved with UL/FM approved OSY shutoff valves. The auxiliary line shall consist of an approved backflow preventer and water meter. The assembly shall meet the basic requirements of ASSE 1048; AWWA Std. C510 for Double Check Valves. Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California. Assembly shall be a Watts Regulator Company Series 709DCDA.

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.



Check Assembly Module

Features a modular design concept which facilitates complete maintenance and assembly by retaining the spring load. First and second check valve spring modules are not interchangeable.

Now Available
WattsBox Insulated Enclosures.
For more information, send for literature ES-WB.

IMPORTANT: INQUIRE WITH GOVERNING AUTHORITIES FOR LOCAL INSTALLATION REQUIREMENTS.



DOUBLE CHECK DETECTOR ASSEMBLY SPECIFICATION
SCALE: N.T.S.

Materials

Body: Epoxy coated cast iron
 Seat: Bronze
 Disc Holder: Bronze
 Trim: Stainless steel
 Check Valve Discs: Rubber
 Test Cocks: Bronze

Pressure - Temperature

Temperature Range: 33°F - 110°F (0.5° - 43°C) continuous, 140°F (60°C) intermittent
Maximum Working Pressure: 175psi (12.1bar)

Standards

AWWA Standard C510

Approvals



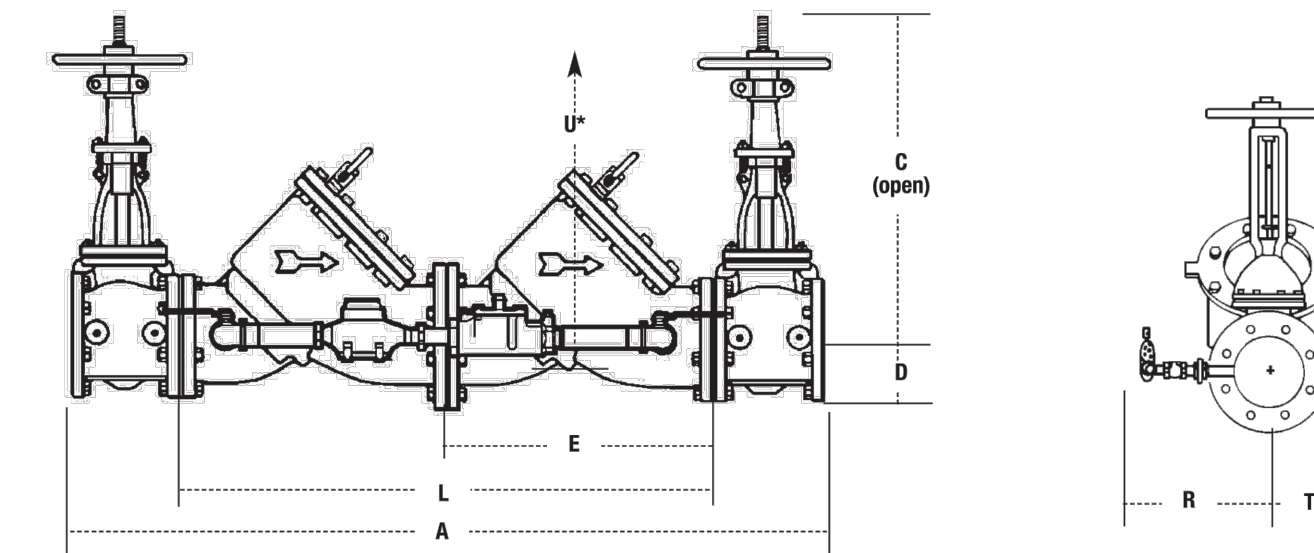
Models

Suffix:

OSY - UL/FM outside stem and yoke resilient seated gate valves
 CFM - cubic feet per minute meter
 GPM - gallons per minute meter
 LF - 4" - 10" (100 - 250mm) without shutoff valves

Approved by the foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California. Sizes 4" - 10" (100 - 250mm) approved for horizontal and vertical "flow up". Size 3" (76mm) approved for horizontal only. Factory Mutual approved 4" - 10" (100-250mm) vertical "flow up".

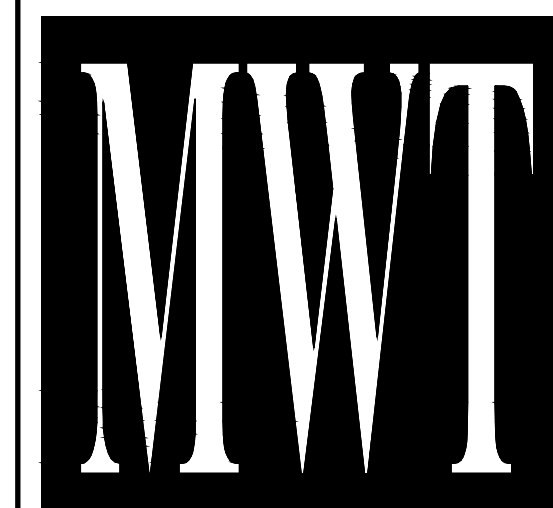
Dimensions - Weights



SIZE (DN)	DIMENSIONS										WEIGHT								
	A	B	C	D	E	L	R	T	U'	WOSTT lbs.	kg.								
3	80	40	1016	187/4	479	3 1/2	89	12	305	24	610	14	356	3	76	14	356	190	86
4	100	52	1321	223/4	578	3 3/4	95	17	432	34	864	15	381	6	152	14	356	403	183
6	150	62 1/2	1588	30 3/4	765	4 1/4	114	21	533	41 1/2	1054	16	406	7 1/2	191	16	406	727	330
8	200	75	1905	37 1/4	959	5 1/2	140	26	660	52	1321	17	432	9	229	21	533	1327	602
10	250	90	2286	45 3/4	1162	6 1/2	165	32	813	64	1626	18	457	10 1/4	260	25	635	2093	949

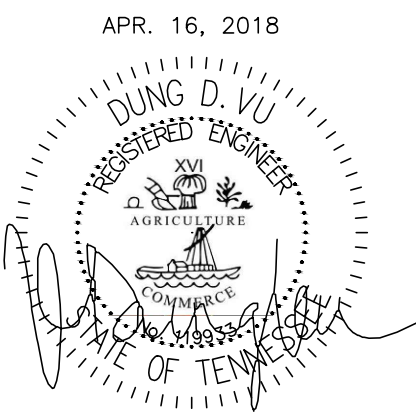
* Service clearance for check assembly from center.
† UL/FM approved backflow preventers must include UL/FM approved OSY.

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APR. 16, 2018

ALOFT MEMPHIS DOWNTOWN

63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 07-21-2017
DRAWN BY: PL
CHKD. BY: DV

PLUMBING CUT SHEETS

SHEET P5.3

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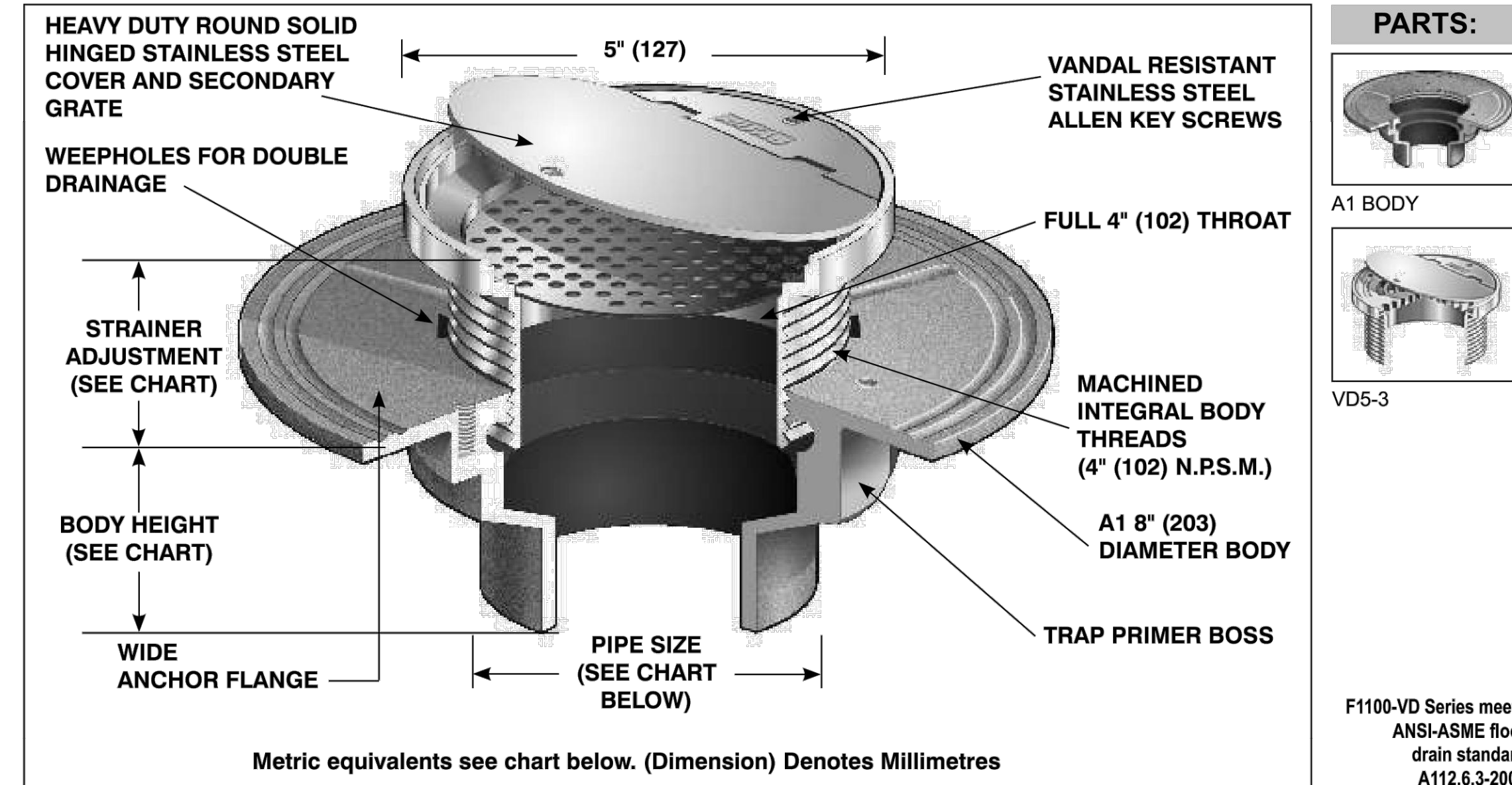
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9	ISSUED FOR PERMIT	04/16/18	PL

Location: _____

MIFAB® F1100-VD FLOOR DRAIN WITH SOLID HINGED ROUND COVER AND SECONDARY GRATE FOR NON-MEMBRANE FLOOR AREAS

Specification: MIFAB® Series F1100-VD5-3 lacquered cast iron floor drain with anchor flange, weepholes, and stainless steel solid cover with secondary grate to prevent entry of debris. (For membrane floors, use MIFAB F1100-C-VD Series.)

Function: Used in non-membrane finished areas where irregular drain use is required. Stainless steel solid cover prevents entry of debris which is brushed away before cover is opened for hosedown. The stainless steel secondary strainer prevents debris from entering the drain. Used for all types of poured finished floors.



STRAINER SIZE	STRAINER ADJUSTMENT		ANSI/ASME RATING		PIPE SIZE	BODY HEIGHT				
	MIN	MAX	FREE AREA	LOAD RATING S.S. (-3)		NO HUB (STANDARD)	PUSH ON (P)	THREADED (T)	INSIDE CAULK (X)	PVC/ABS (-30)/(-31)
5" (127) ○	1/2" (13)	1 1/2" (38)	8 in ² (5200 ²)	5000-7499 LBS.	2" (51) ○ 3" (76) ○ 4" (102) ○ 5" (127) ○ 6" (152) ○	3" (76) □ 3" (76) □ 3" (76) □ 3" (76) □ 3 1/4" (83) □	3 3/8" (86) □ 3 3/8" (86) □ 3 3/8" (86) □ -- □ 6 1/2" (165) □	2 1/4" (57) □ 2 5/8" (67) □ 2 5/8" (67) □ 2 5/8" (67) □ -- □	3 3/4" (95) □ 3 3/4" (95) □ 3 3/4" (95) □ 3 3/4" (95) □ -- □	2 15/16" (75) □ 3 3/4" (95) □ 3 3/4" (95) □ -- □ -- □

- SUFFIX**
- 3 Stainless steel strainer (standard)
 - 5 Sediment bucket
 - 6 Security screws (T-20 Torx & pin)
 - 7 1/2" trap seal primer connection
 - 8 Backwater valve (2", 3", 4")
 - 11 Acid resistant epoxy coated body
 - 12 Galvanized top assembly
 - 13 Galvanized body
 - 15 Extension
 - 21 Secondary flat stainless steel strainer (2", 3", 4")
 - 28 Stainless steel body (Type 304)
 - 30 PVC socket connection body
 - 31 ABS socket connection body
 - 34 Closure plug
 - 40 Underdeck clamp
 - 41 Sump receiver
 - 49 Chrome Plated Strainer

- SUFFIX**
- 90 Threaded side outlet (2", 3", 4") (cast iron only)
 - 90NH No hub side outlet (2", 3", 4") (cast iron only)
 - 95 Client logo
 - BA Buy American Act compliant product
 - C Membrane clamp for low rough-in (min. 1/2" (13))
 - C2 High rough-in membrane clamp (min. 1 9/16" (40))
 - F4 4" Round funnel
 - F6 6" Round funnel
 - G Oval 4" x 9" funnel
 - J 6" x 3" x 1" funnel
 - (Standard) No hub outlet
 - MG MI-GARD Floor Drain Trap Sealer (2", 3" or 4")
 - P Push on outlet
 - PA Pennsylvania Steel Act compliant product
 - T Threaded outlet (2", 3", 4")
 - X Inside caulk outlet
 - Z Extended wide elastomeric flange

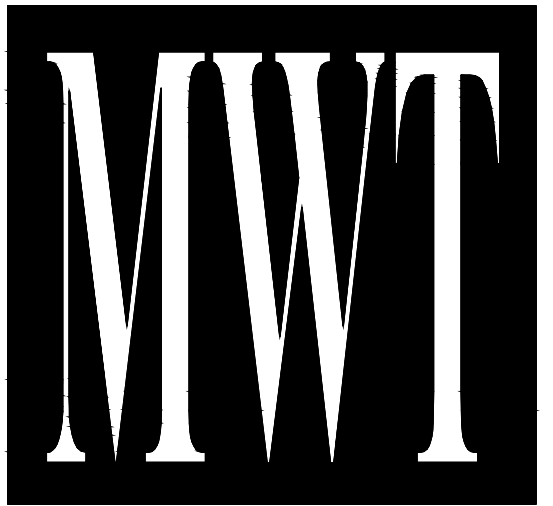
CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Job Name: _____ Page No: _____

Section No: _____ Contractor: _____

Schedule No: _____ Purchase Order No: _____

MIFAB reserves the right to make changes in material and design without formal notice and obligation. USA: 1-800-465-2736 www.mifab.com CAN: 1-800-387-3880



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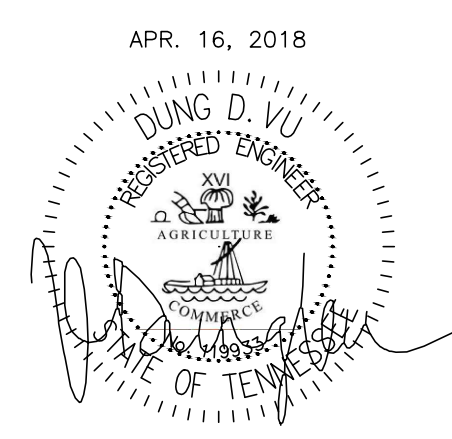
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ALOFT
MEMPHIS
DOWNTOWN
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 07-21-2017
DRAWN BY: PL
CHKD. BY: DV

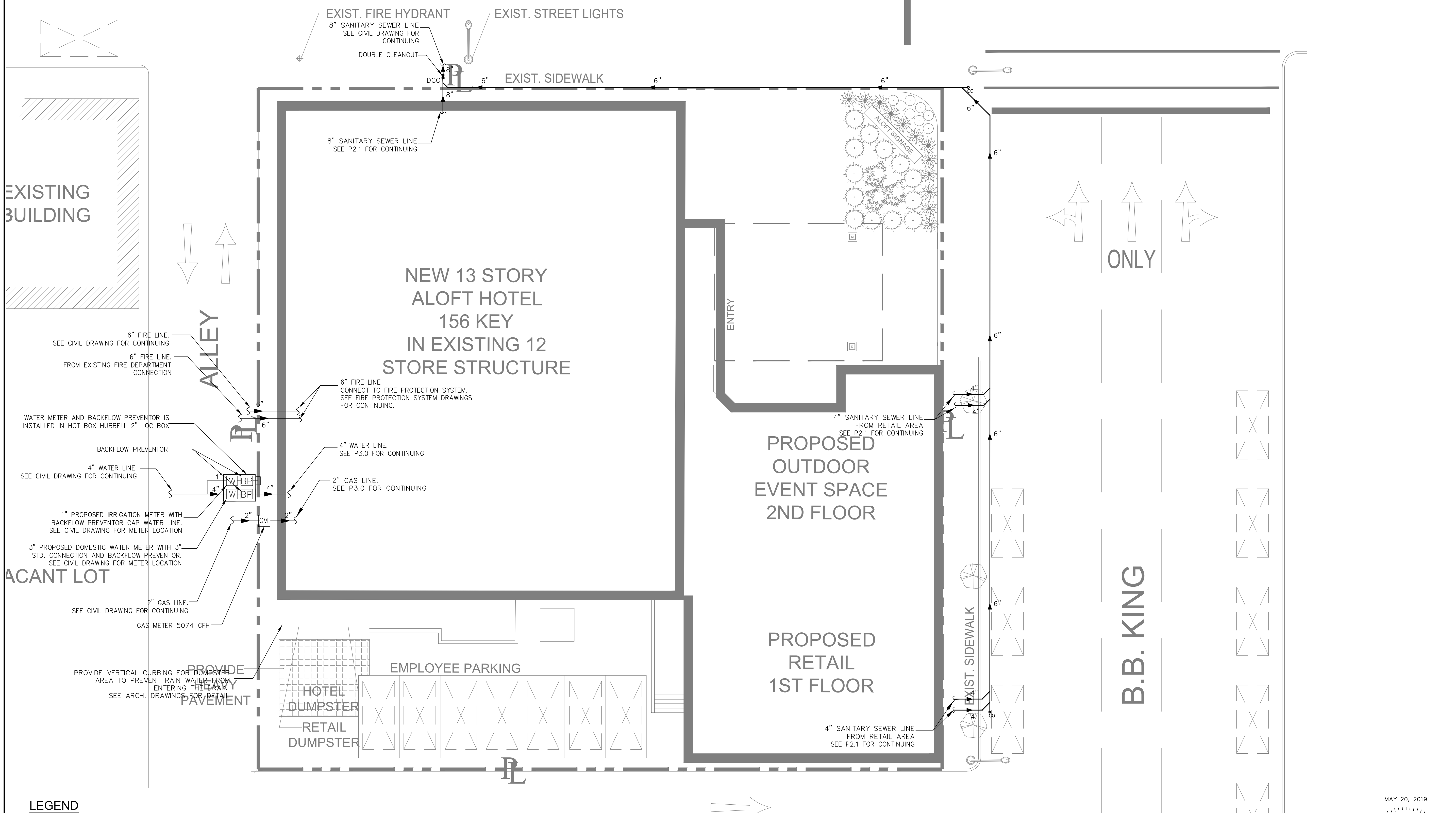
FLOOR DRAIN
CUT SHEET

SHEET P5.4



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9	ISSUED FOR PERMIT	04/16/18	PL
10	ISSUED TO FRANCHISE	04/23/19	PL
11	ISSUED TO FRANCHISE	05/20/19	PL



LEGEND

	EXISTING SANITARY SEWER
	EXISTING WATER LINE
	EXISTING SANITARY SEWER MANHOLE
	PROPOSED WATER METER
	PROPOSED SANITARY SEWER
	PROPOSED GREASE SEWER
	PROPOSED WATER LINE
	PROPOSED GAS LINE

PIPING MATERIALS SCHEDULE

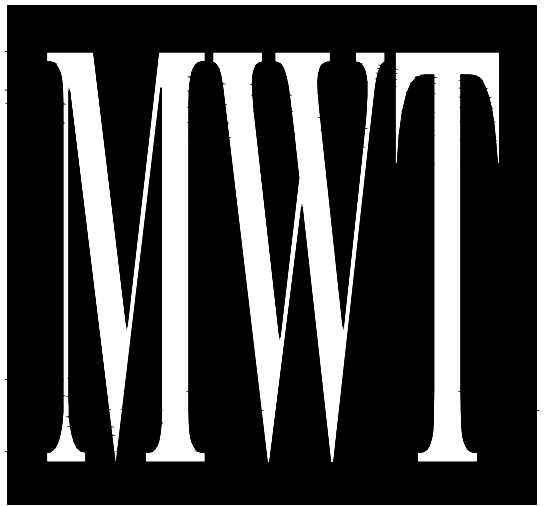
PLUMBING SYSTEM	PLUMBING MATERIAL DESCRIPTION
SANITARY DRAIN PIPING	SCHEDULE 40 PVC PIPE AND FITTINGS SOLVENT WELD ASTM D-2665,1120
STORM DRAIN PIPING	SCHEDULE 40 PVC PIPE AND FITTINGS SOLVENT WELD ASTM D-2665,1120
DOMESTIC WATER PIPING	TYPE "K" SOFT COPPER TUBING
FIRE PROTECTION SYSTEM	SCHEDULE 40 BLACK STEEL PIPE AND SCREWED FITTINGS

1 SITE PLAN
SCALE: 3/32" = 1'-0"

NOTE:
• NEW BACKGROUND

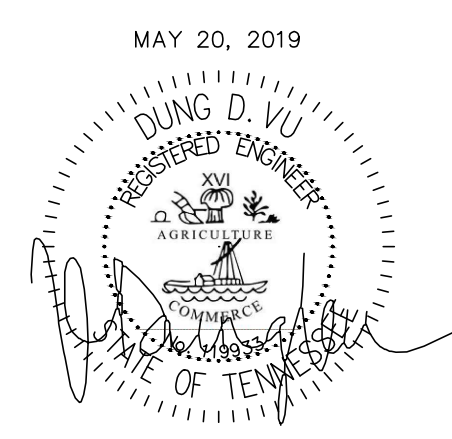
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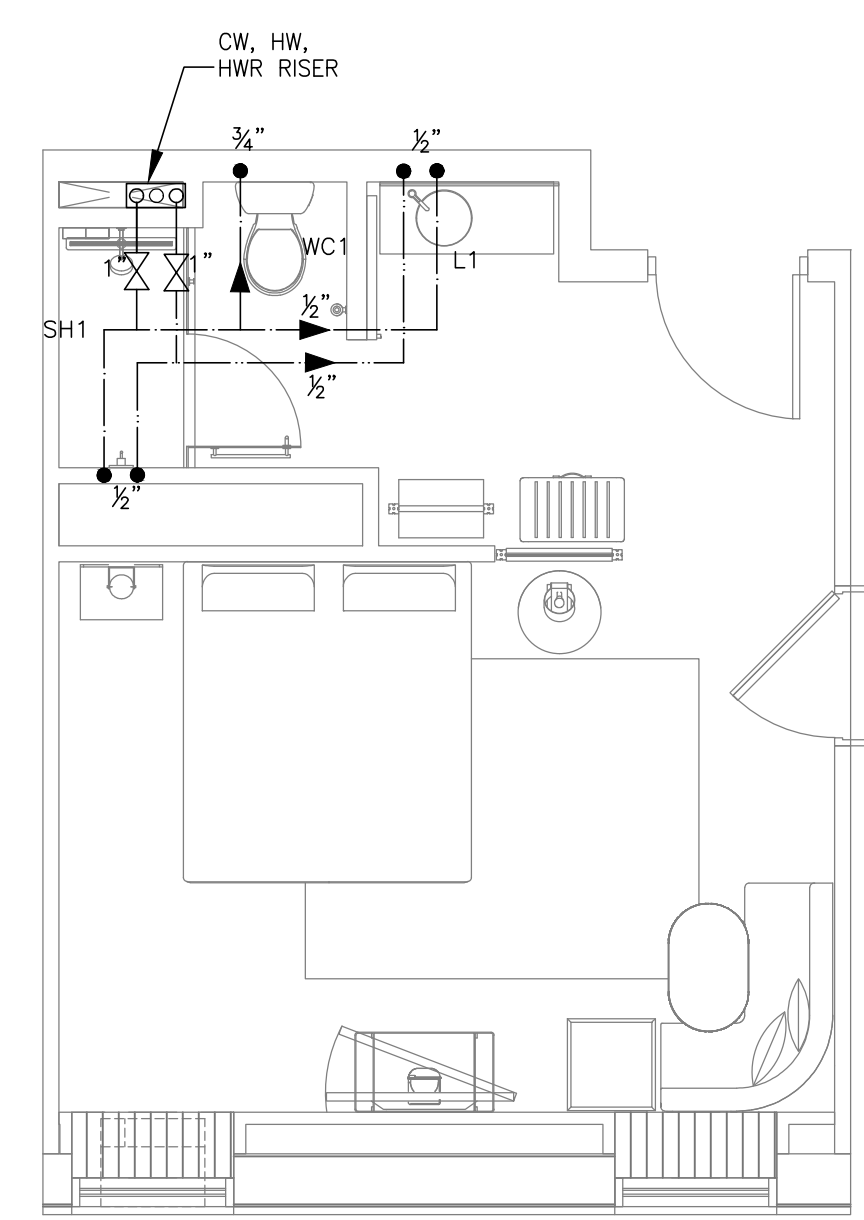
ALOFT MEMPHIS DOWNTOWN
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 07-21-2017
DRAWN BY: PL
CHKD. BY: DV

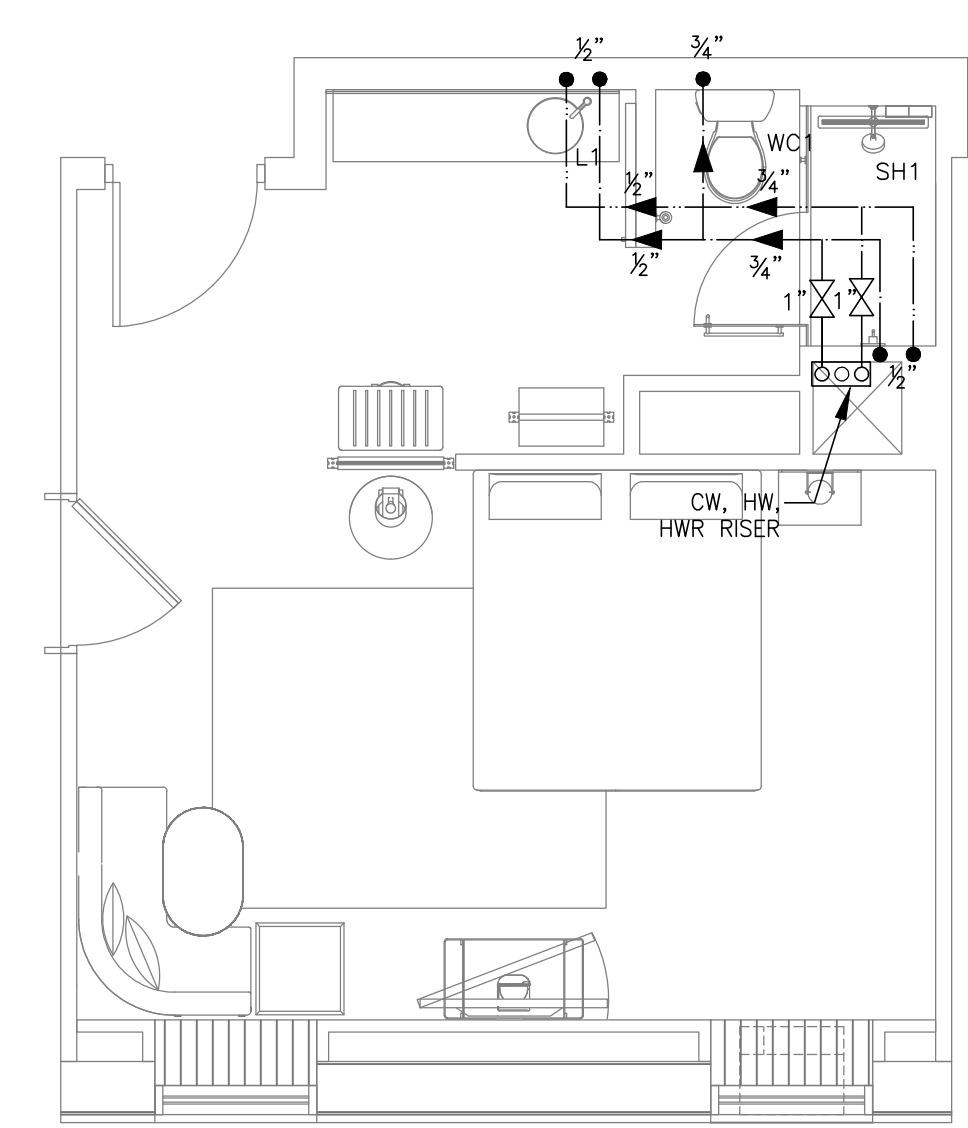
PLUMBING SITE PLAN

SHEET **P6.0**

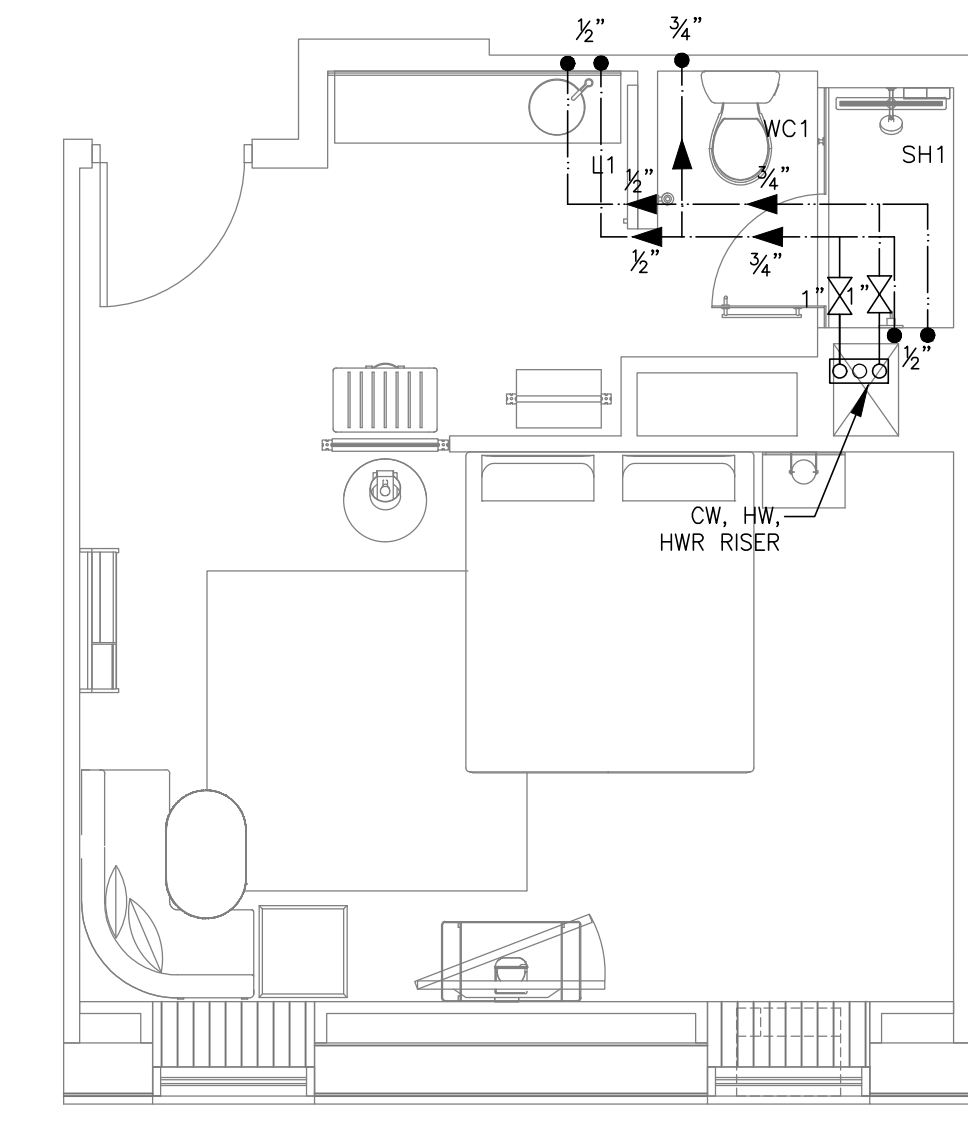
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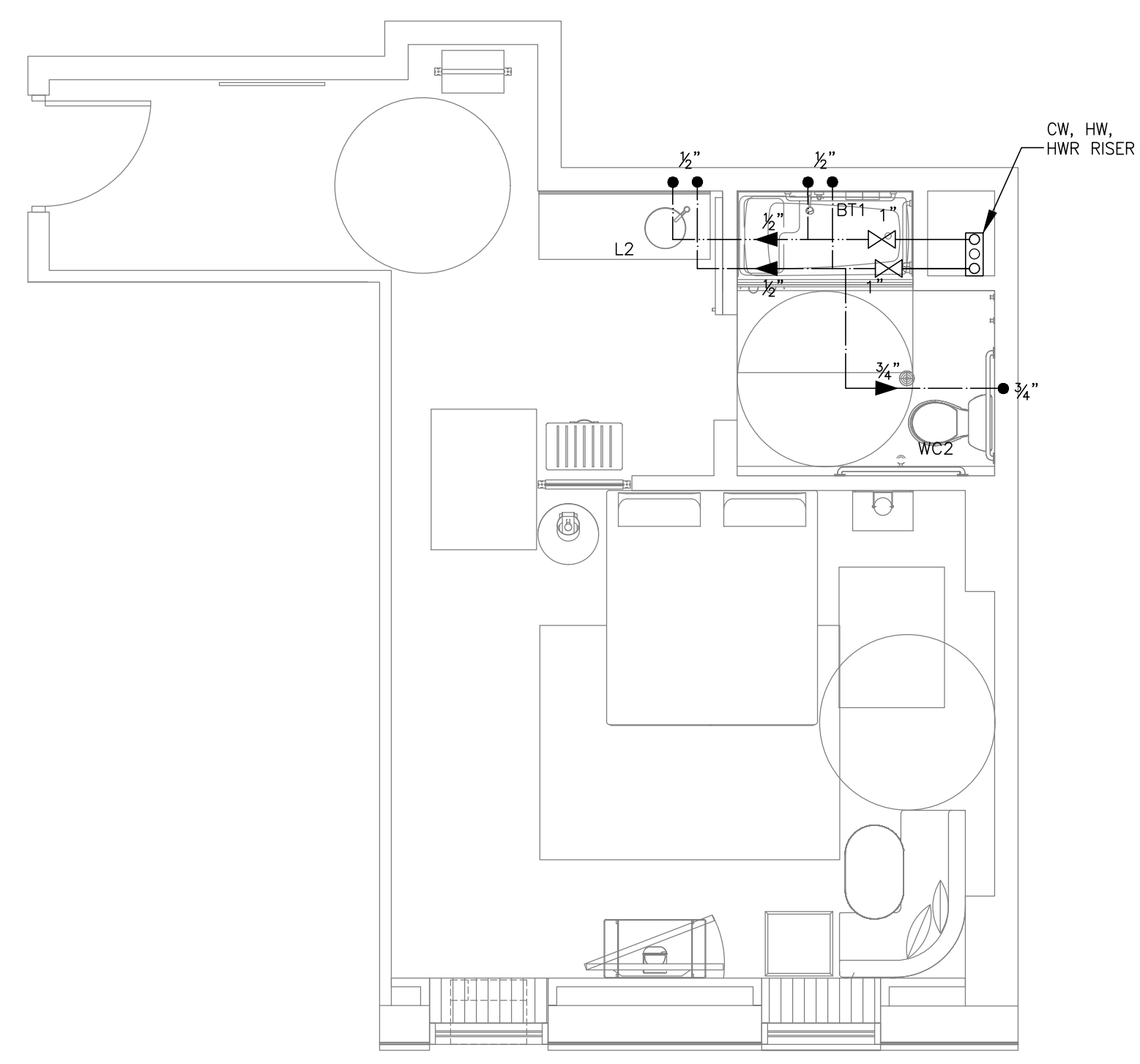
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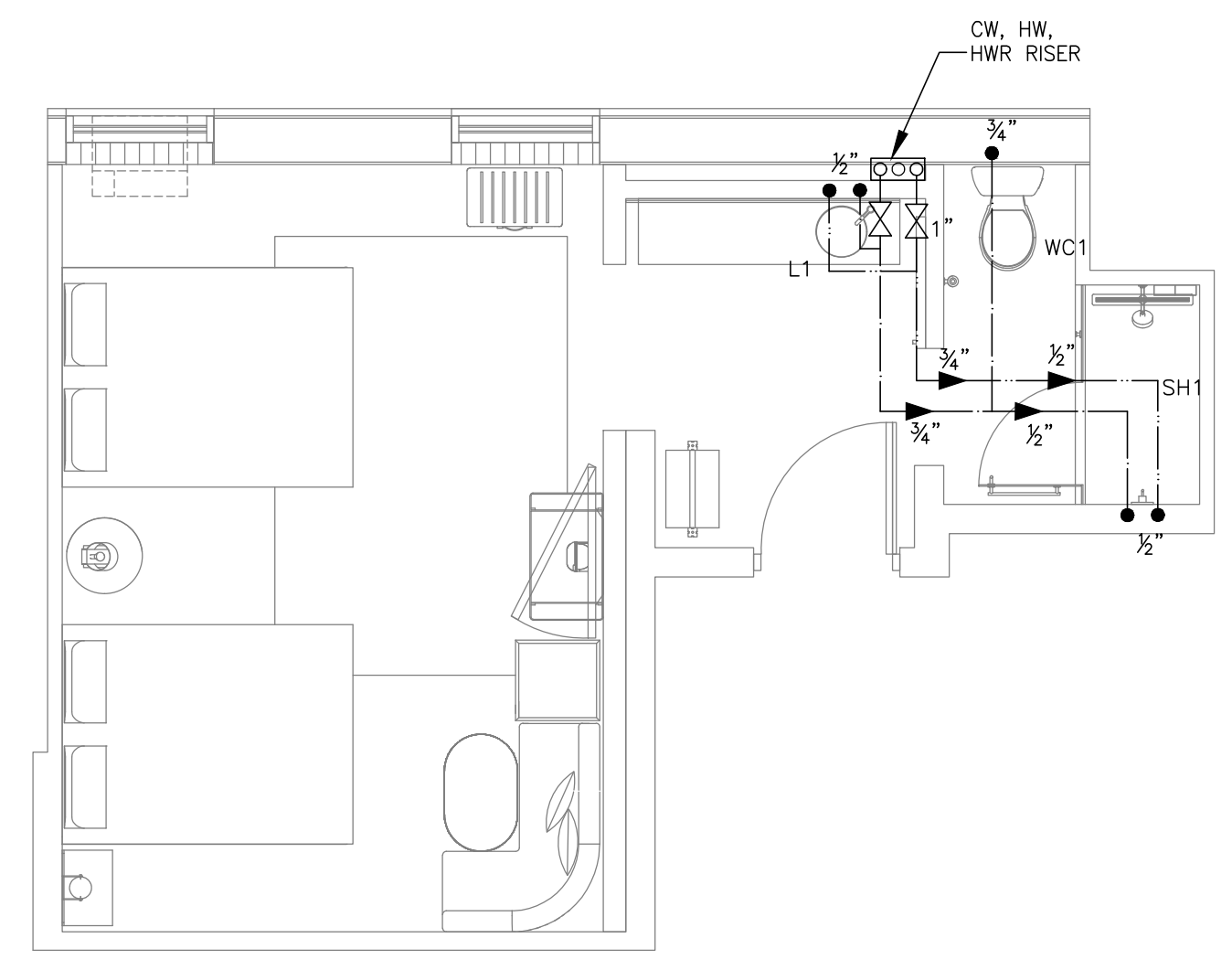
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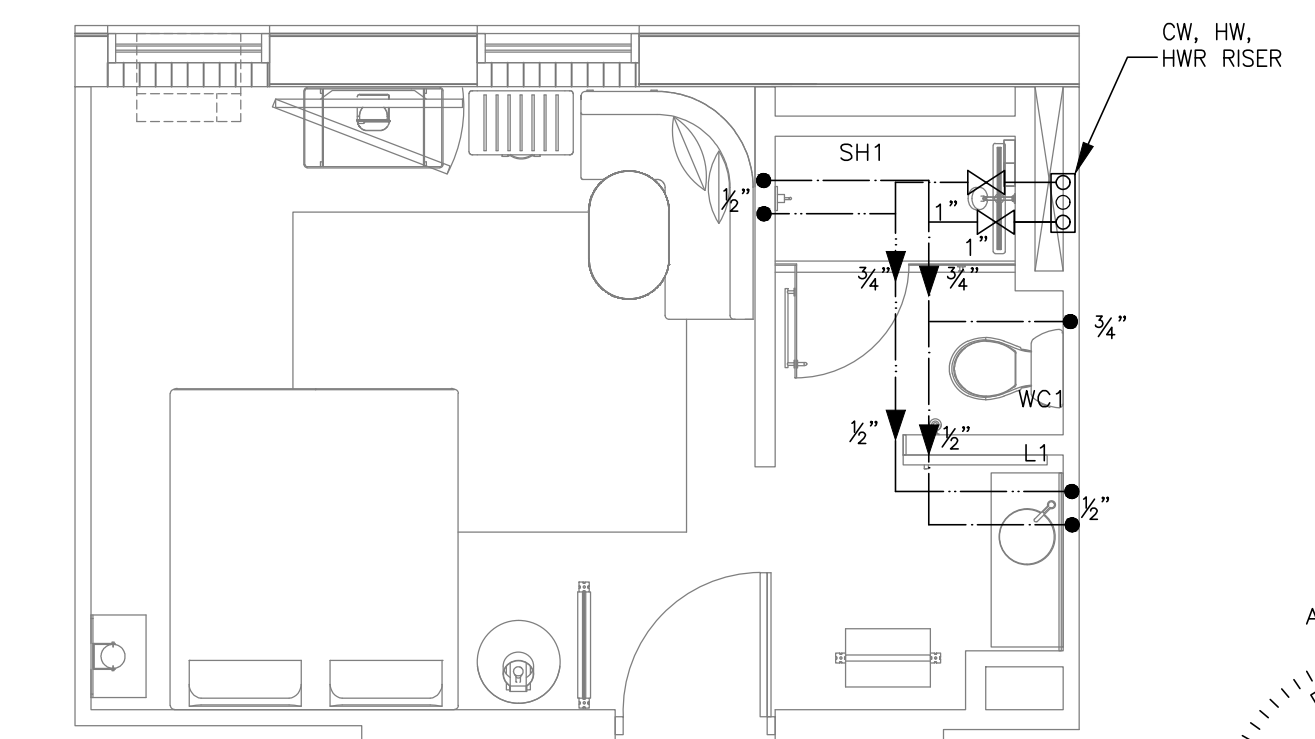
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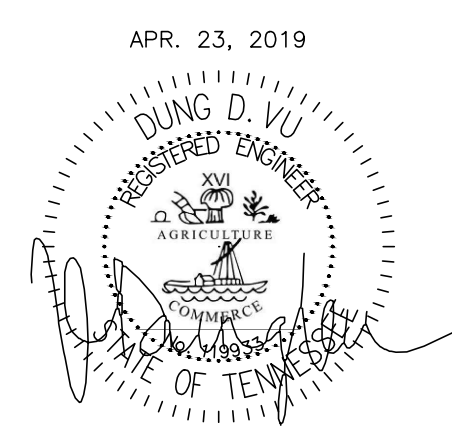
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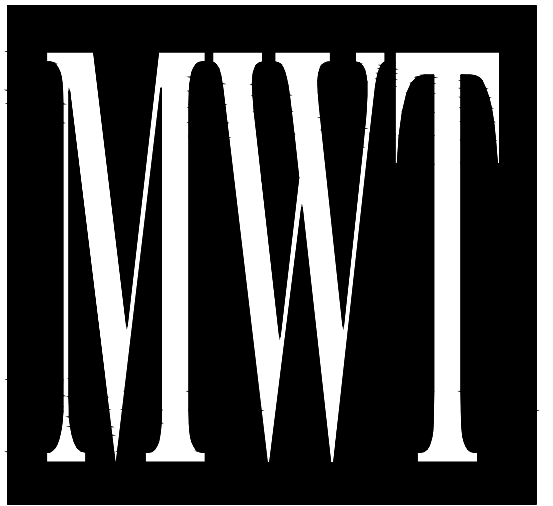
5 D. QUEEN #5
SCALE: 1/4"=1'-0"



6 KING #6
SCALE: 1/4"=1'-0"



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ALOFT MEMPHIS DOWNTOWN

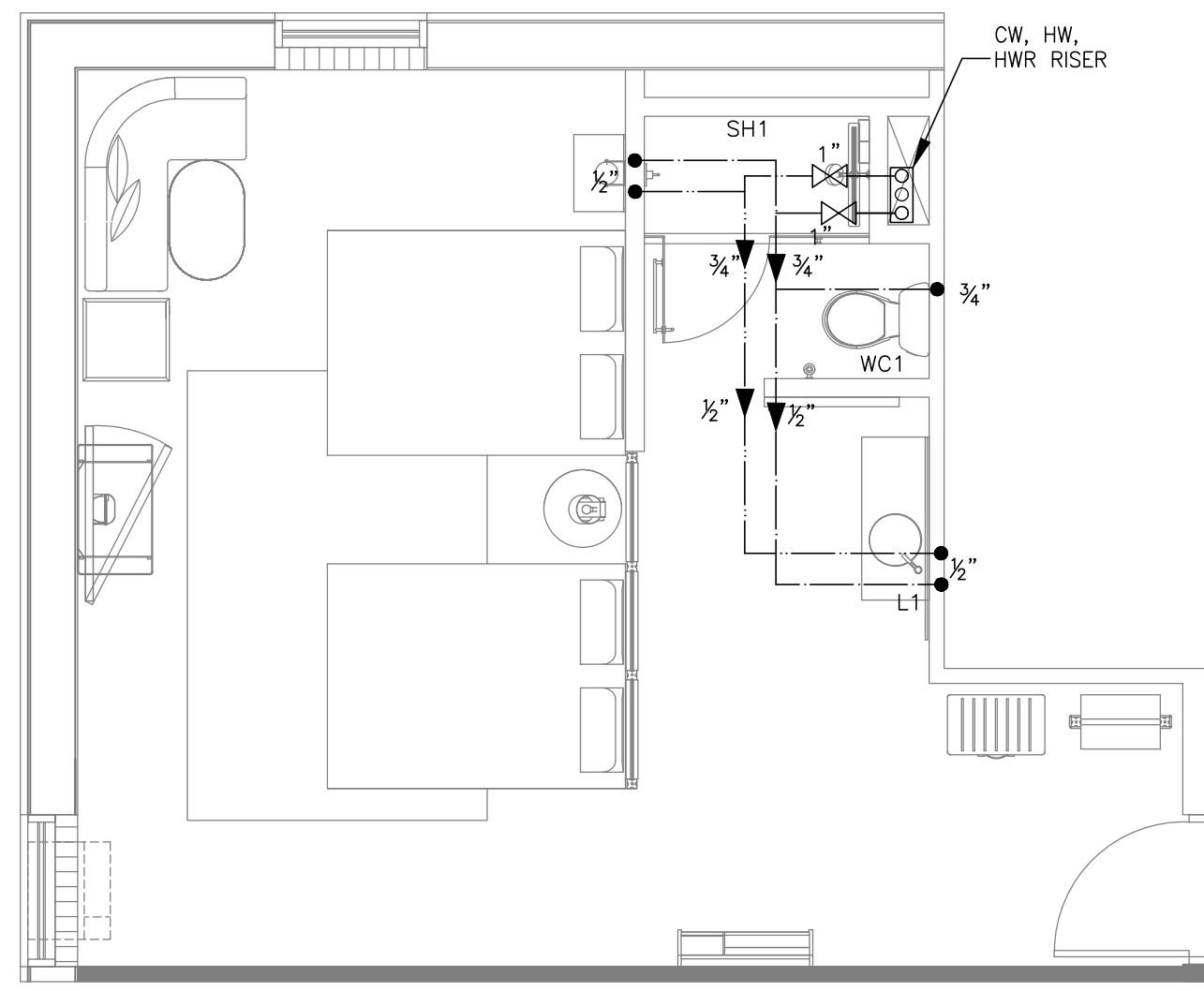
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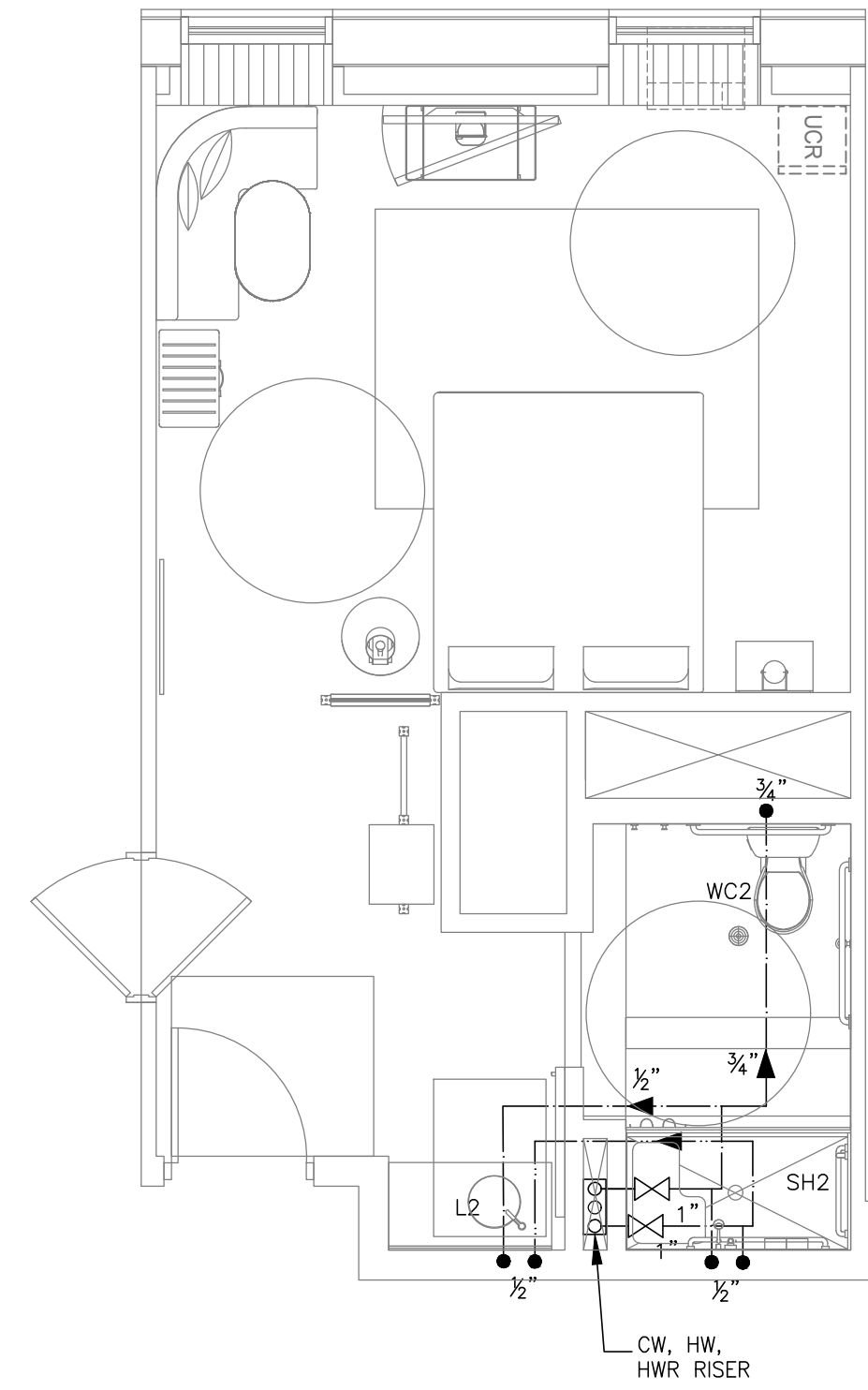
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SHEET **P7.0**

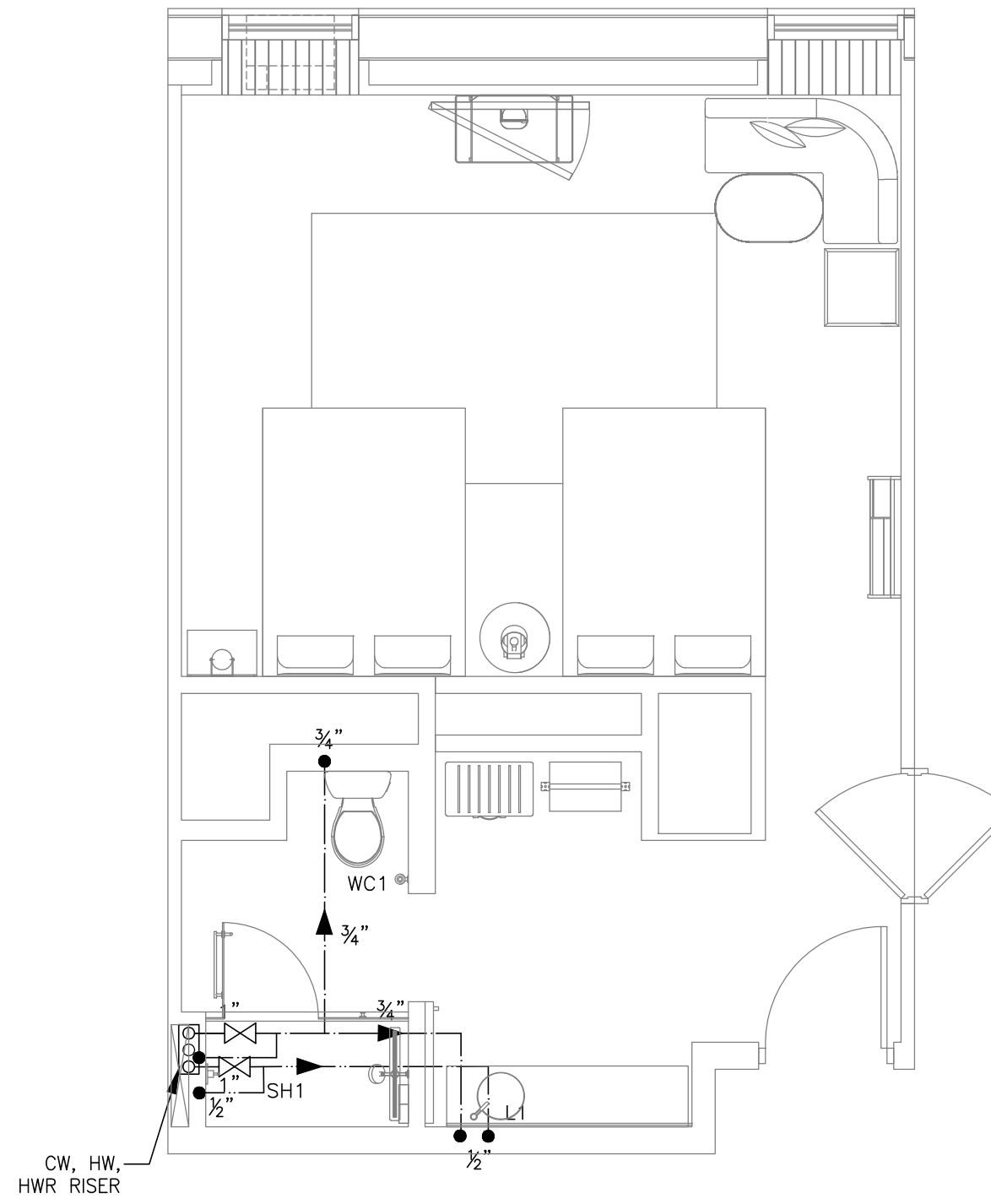
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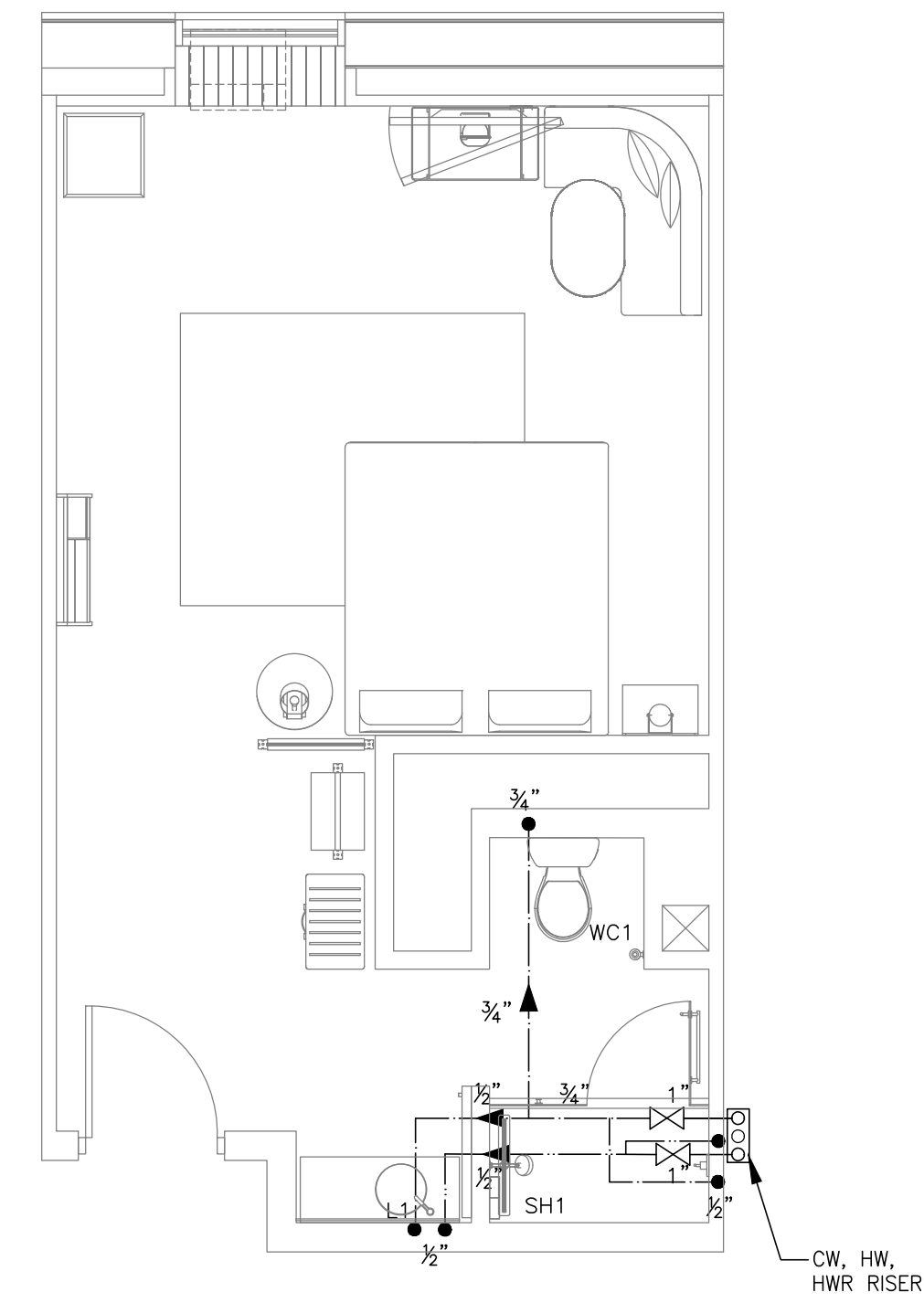
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SCALE: 1/4"=1'-0"



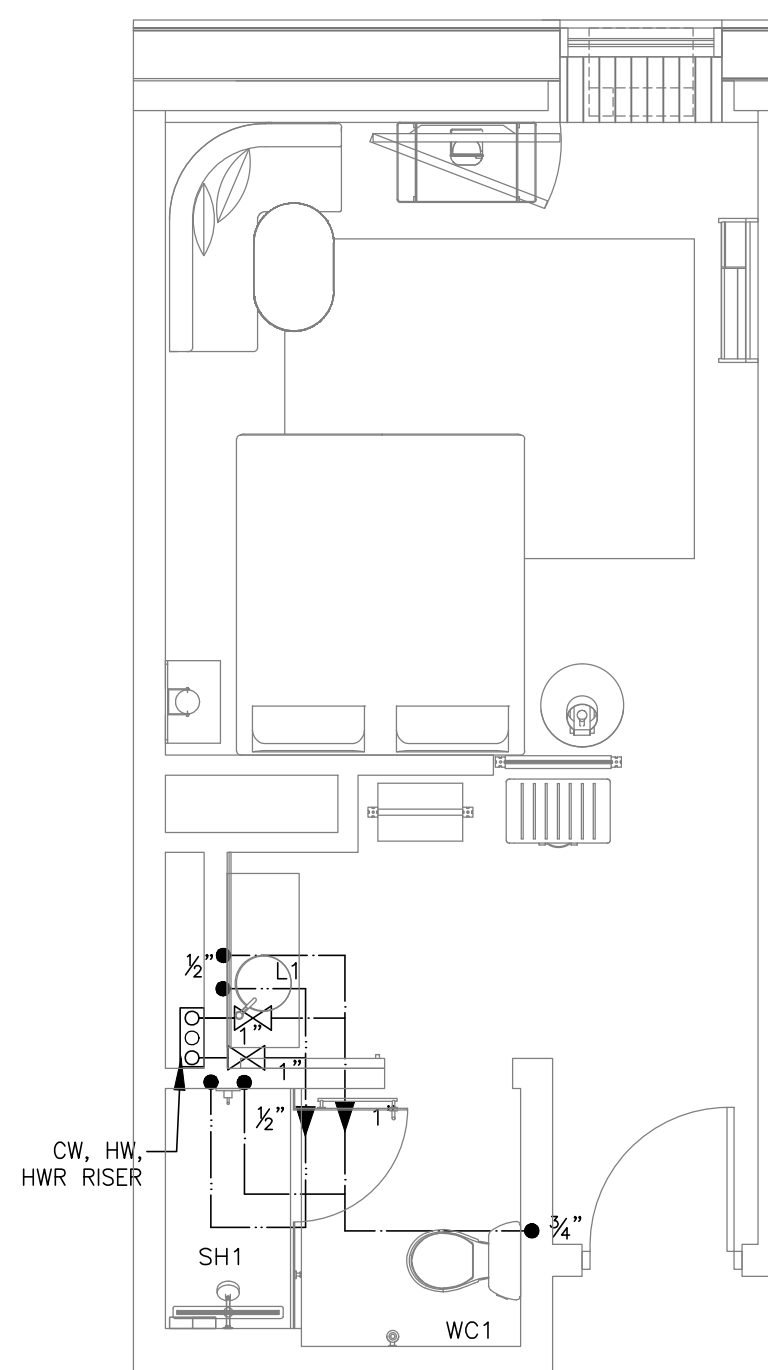
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SCALE: 1/4"=1'-0"



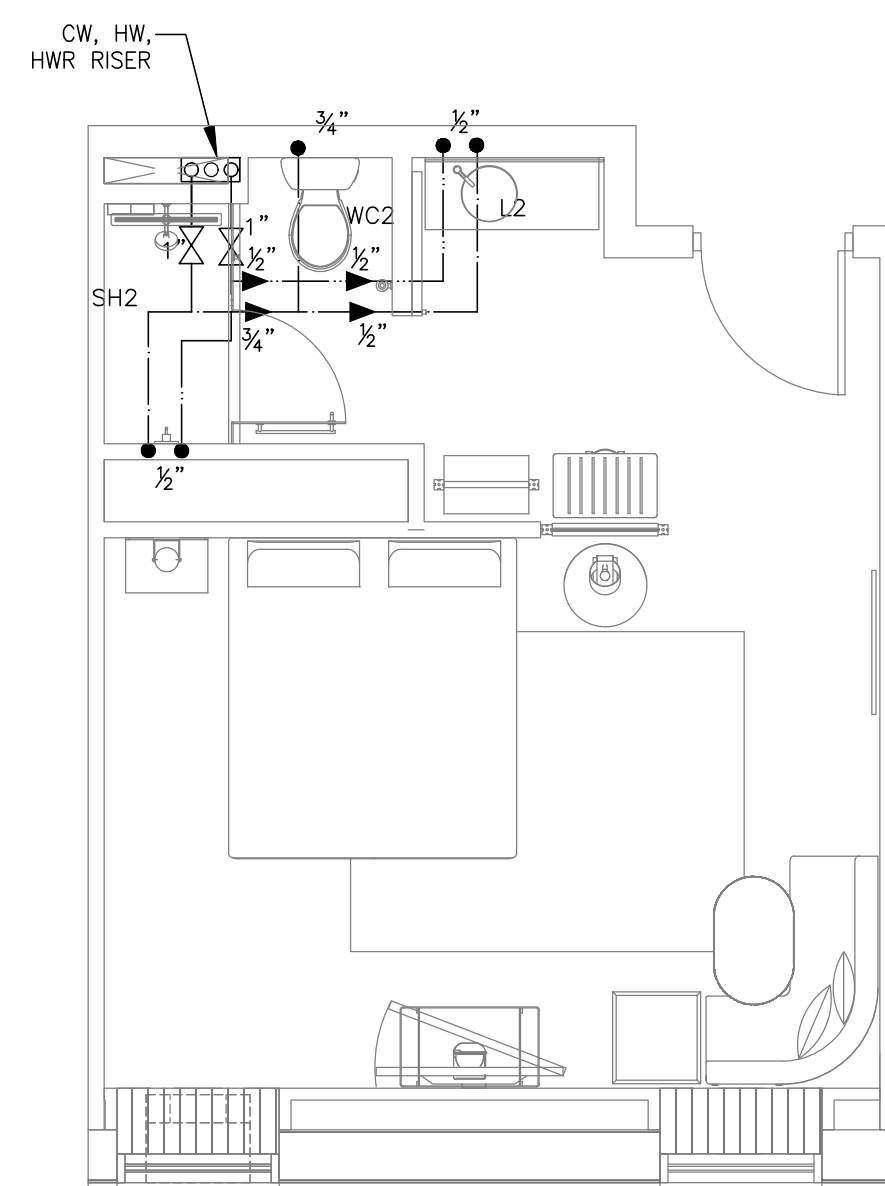
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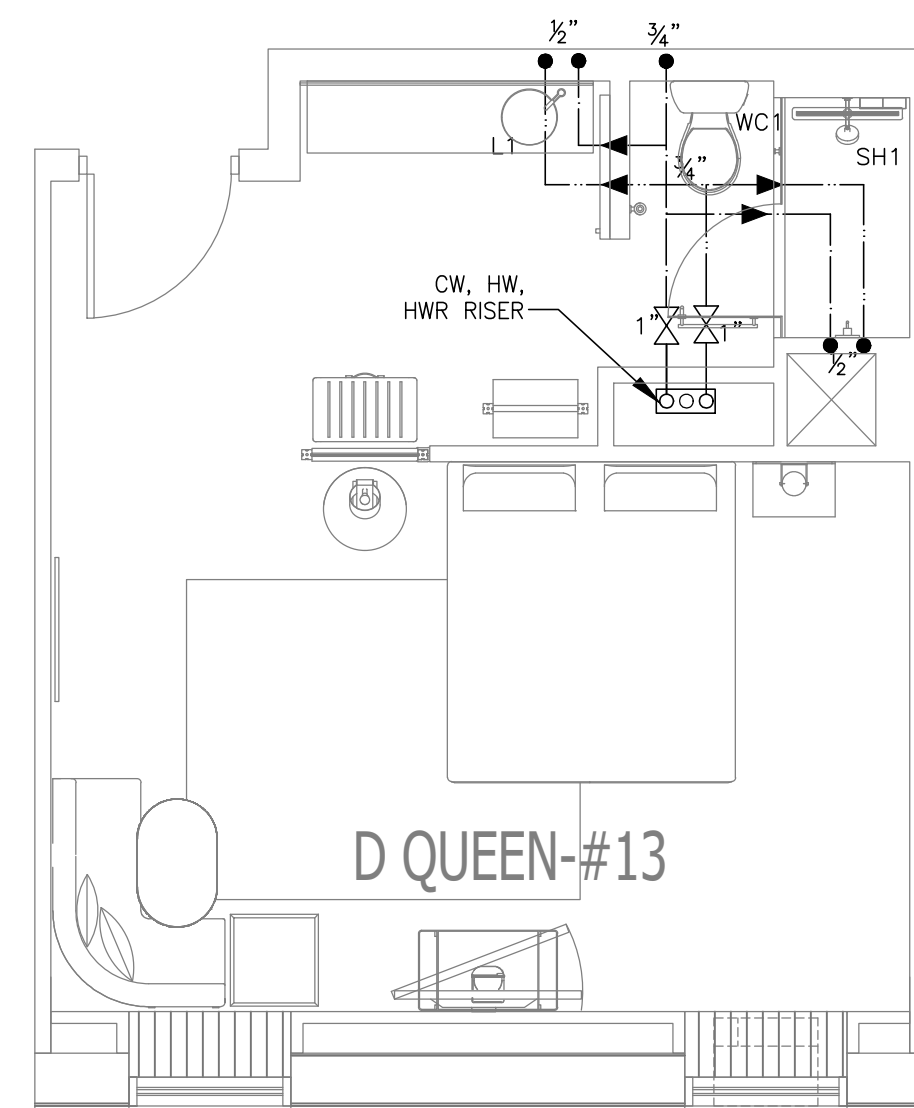
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5 KING #11
SCALE: 1/4"=1'-0"

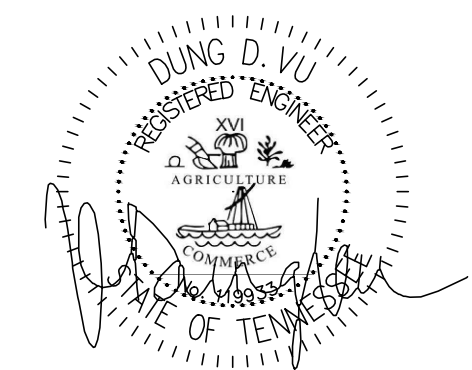


6 KING ADA #12
SCALE: 1/4"=1'-0"

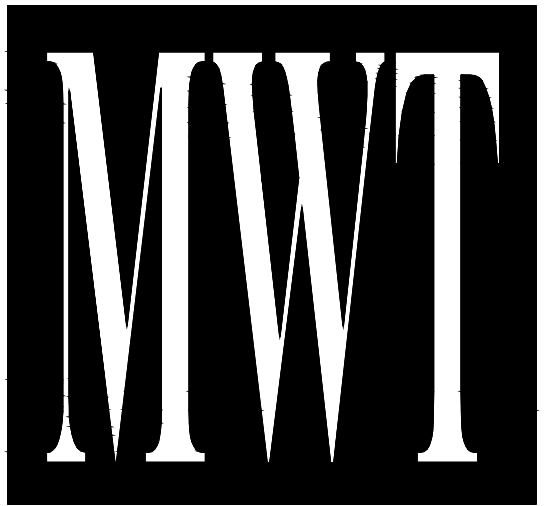


7 D. QUEEN #13
SCALE: 1/4"=1'-0"

APR. 23, 2019



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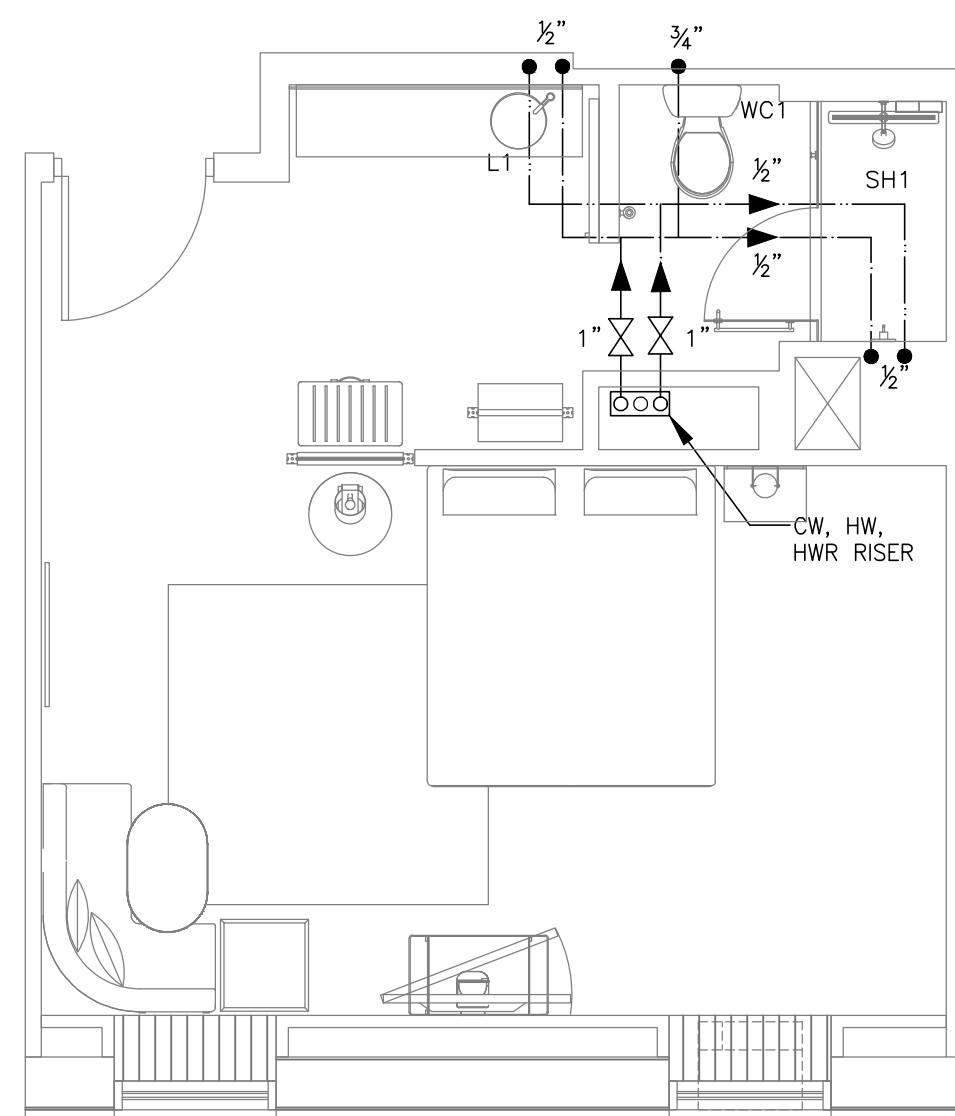
63 NORTH B.B. KING BLVD.
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PROJECT NO.: 16 006
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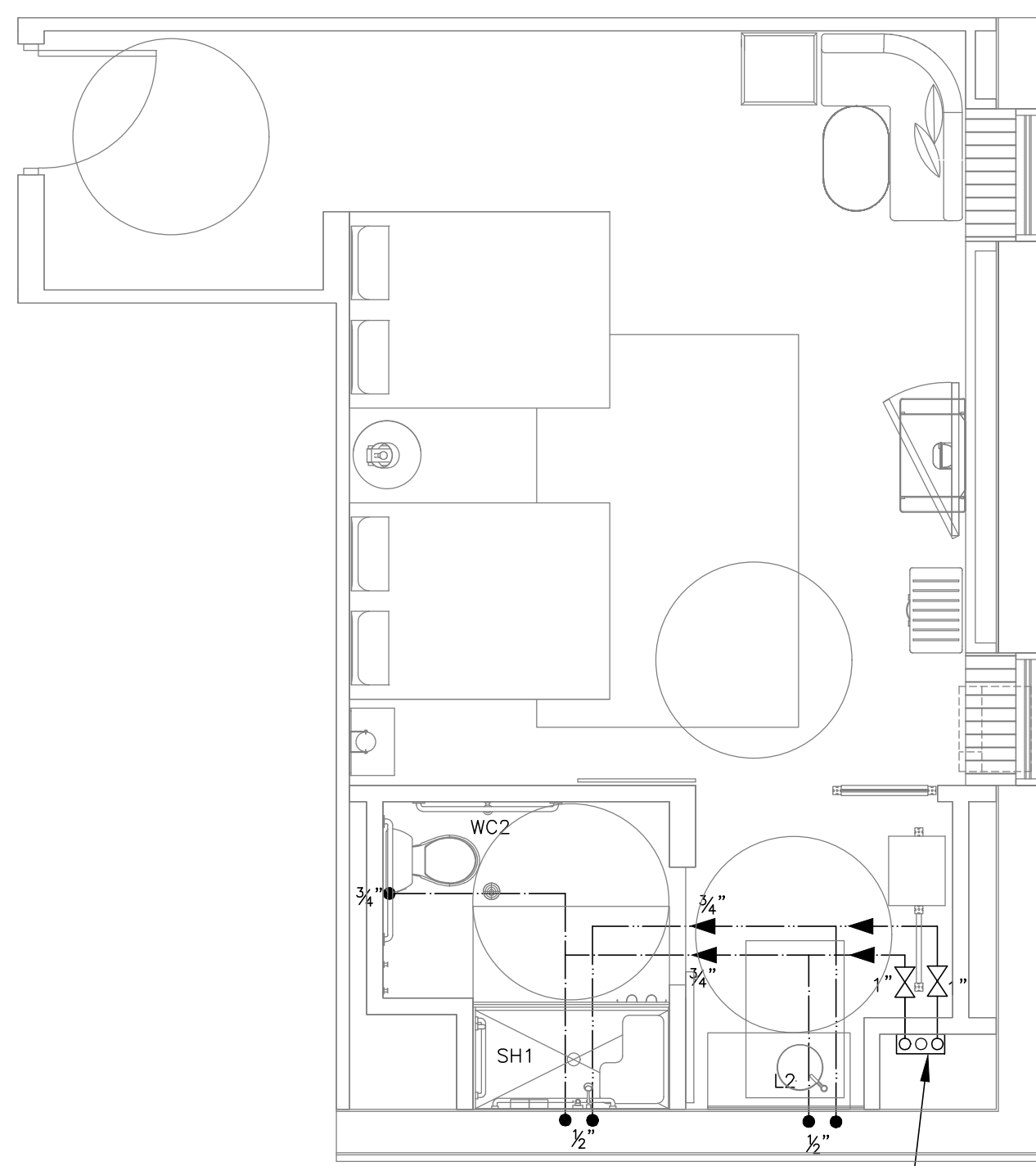
DOMESTIC WATER
 TYPICAL
 GUESTROOM

SHEET P7.1

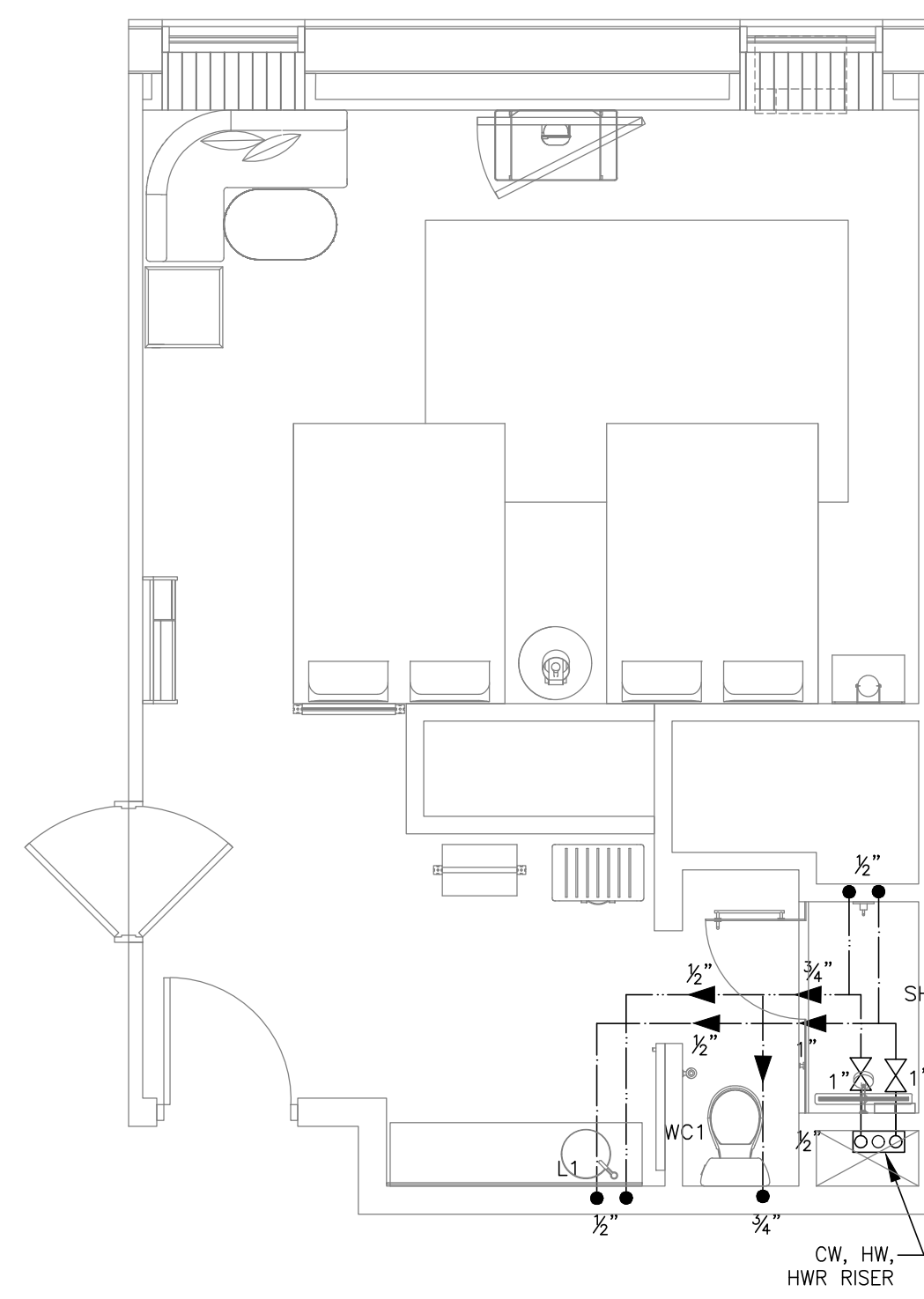
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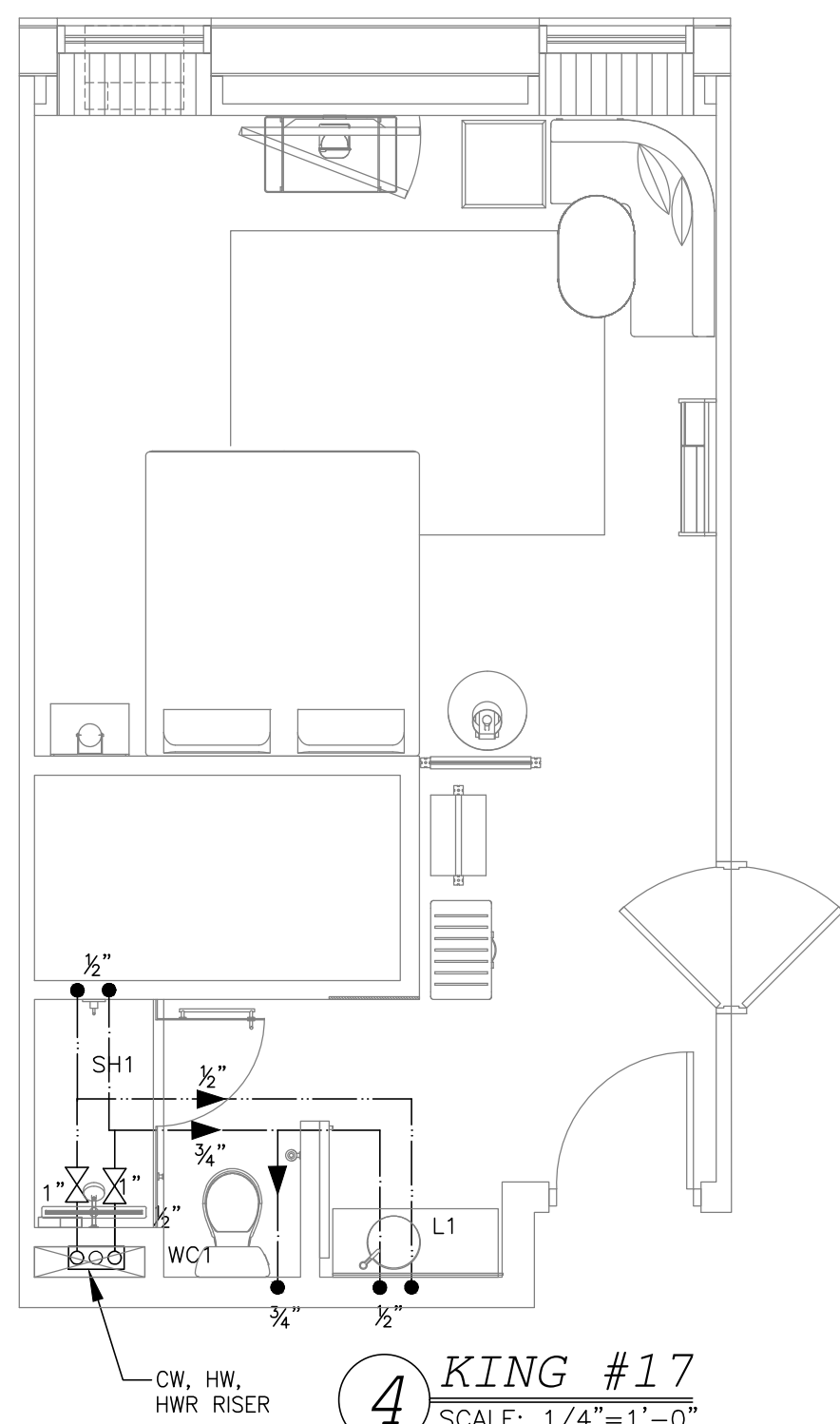
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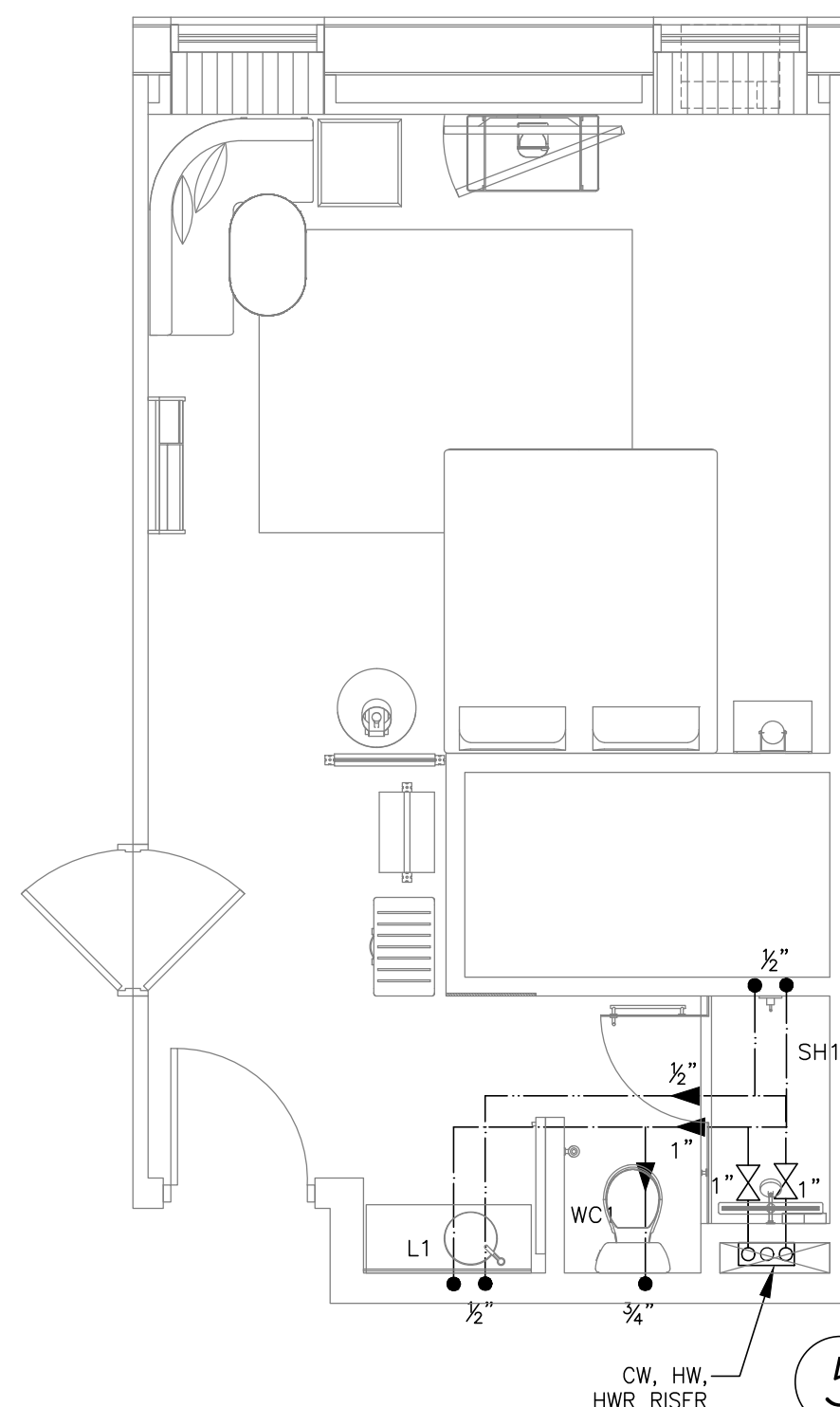
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SCALE: 1/4"=1'-0"



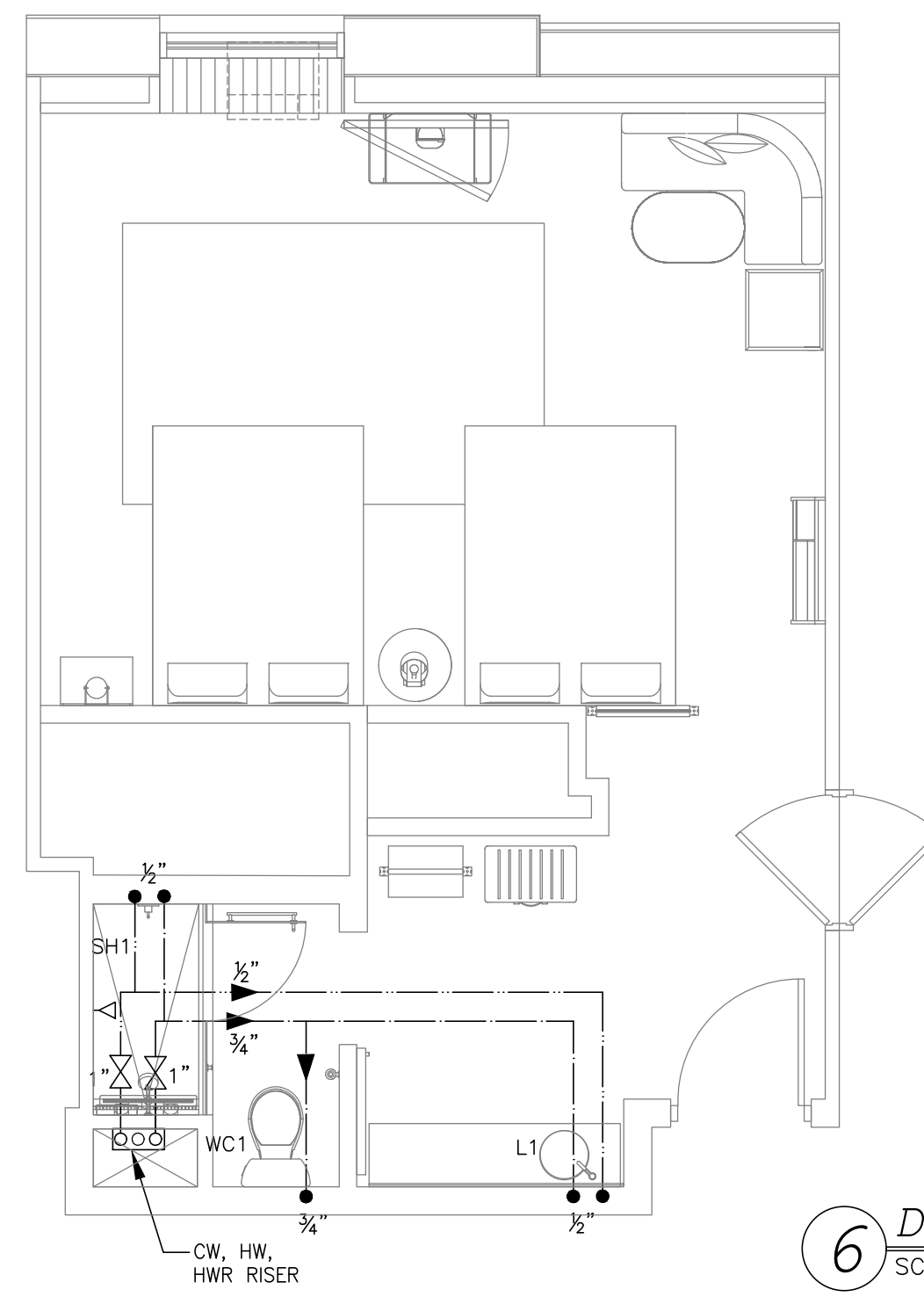
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SCALE: 1/4"=1'-0"



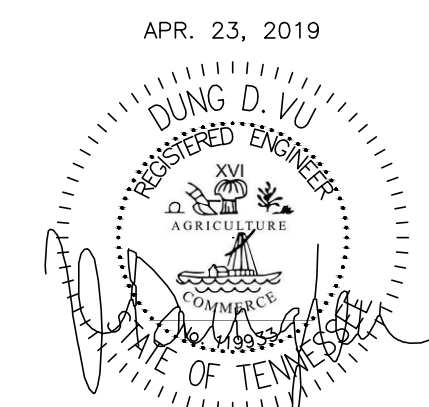
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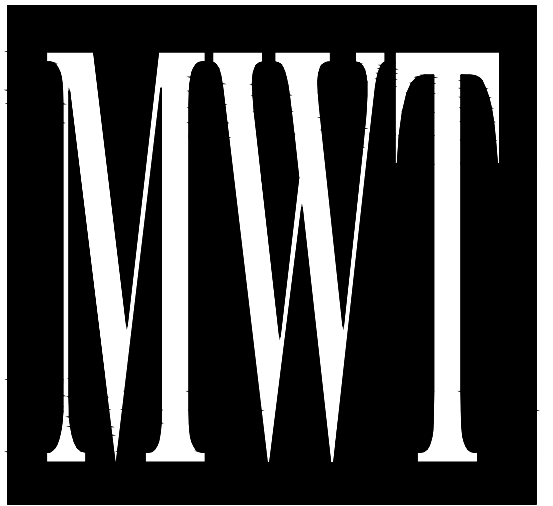
5 KING #18
SCALE: 1/4"=1'-0"



6 D. QUEEN #19
SCALE: 1/4"=1'-0"



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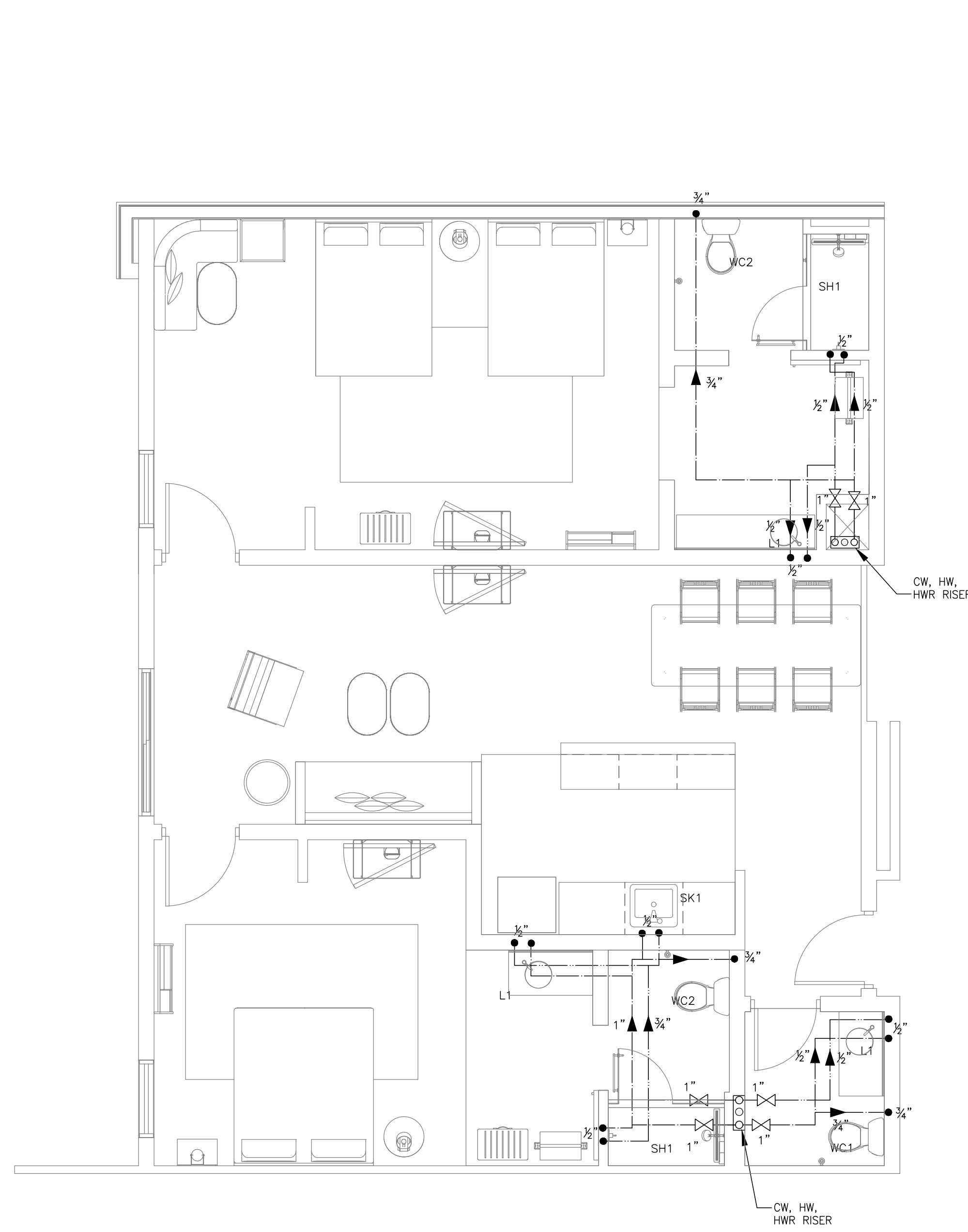
ALOFT
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 MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
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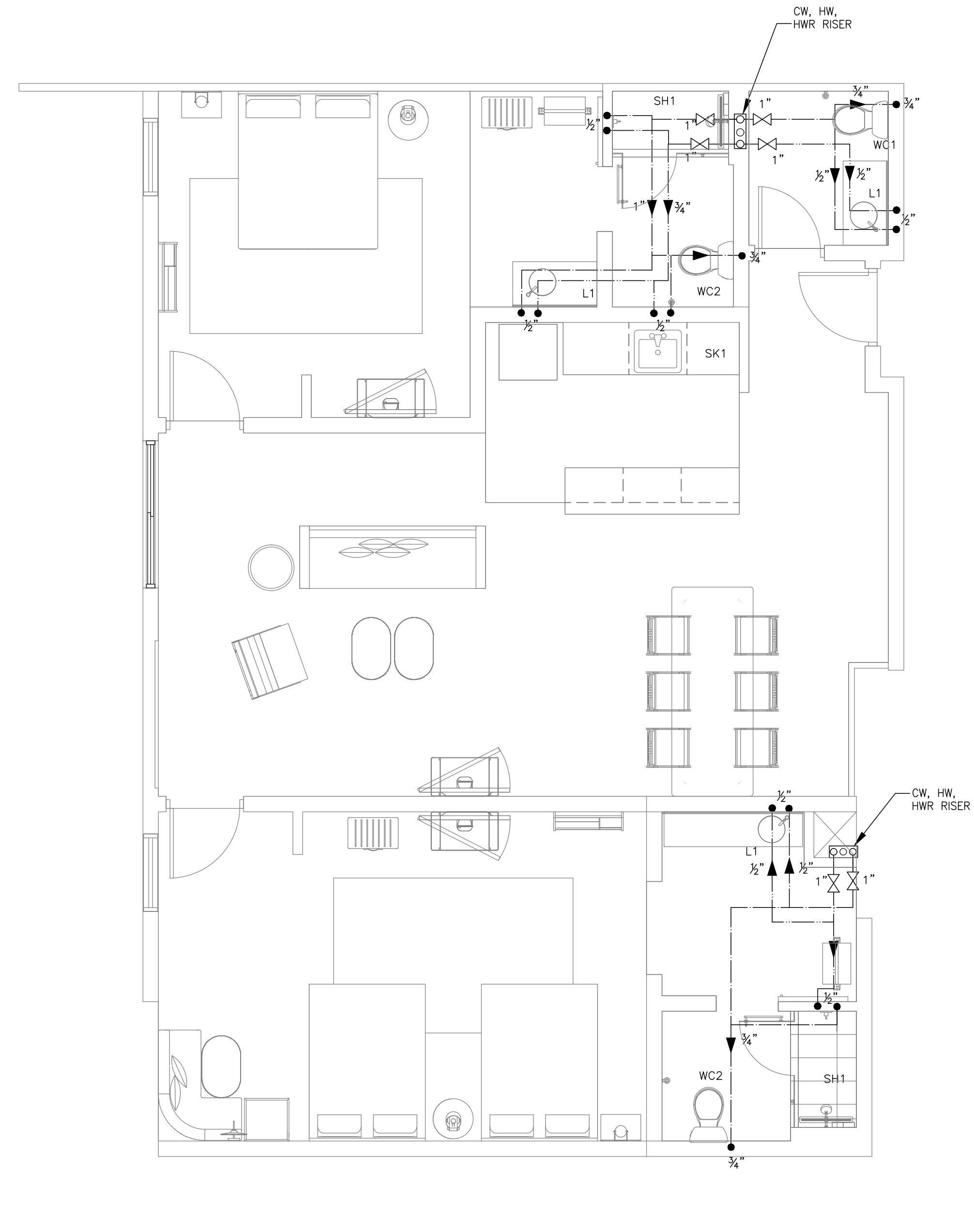
DOMESTIC WATER
 TYPICAL
 GUESTROOM

SHEET P7.2

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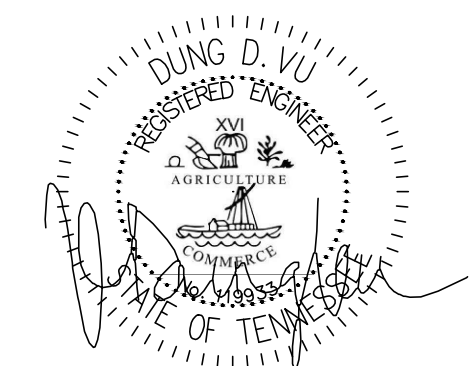


① SUITE #1
SCALE: 1/4"=1'-0"

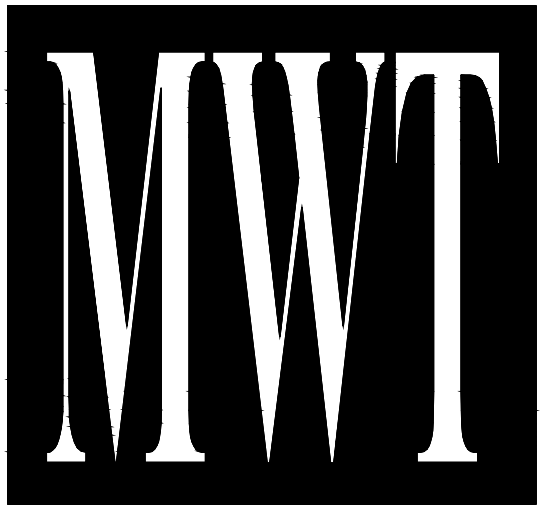


② SUITE #2
SCALE: 1/4"=1'-0"

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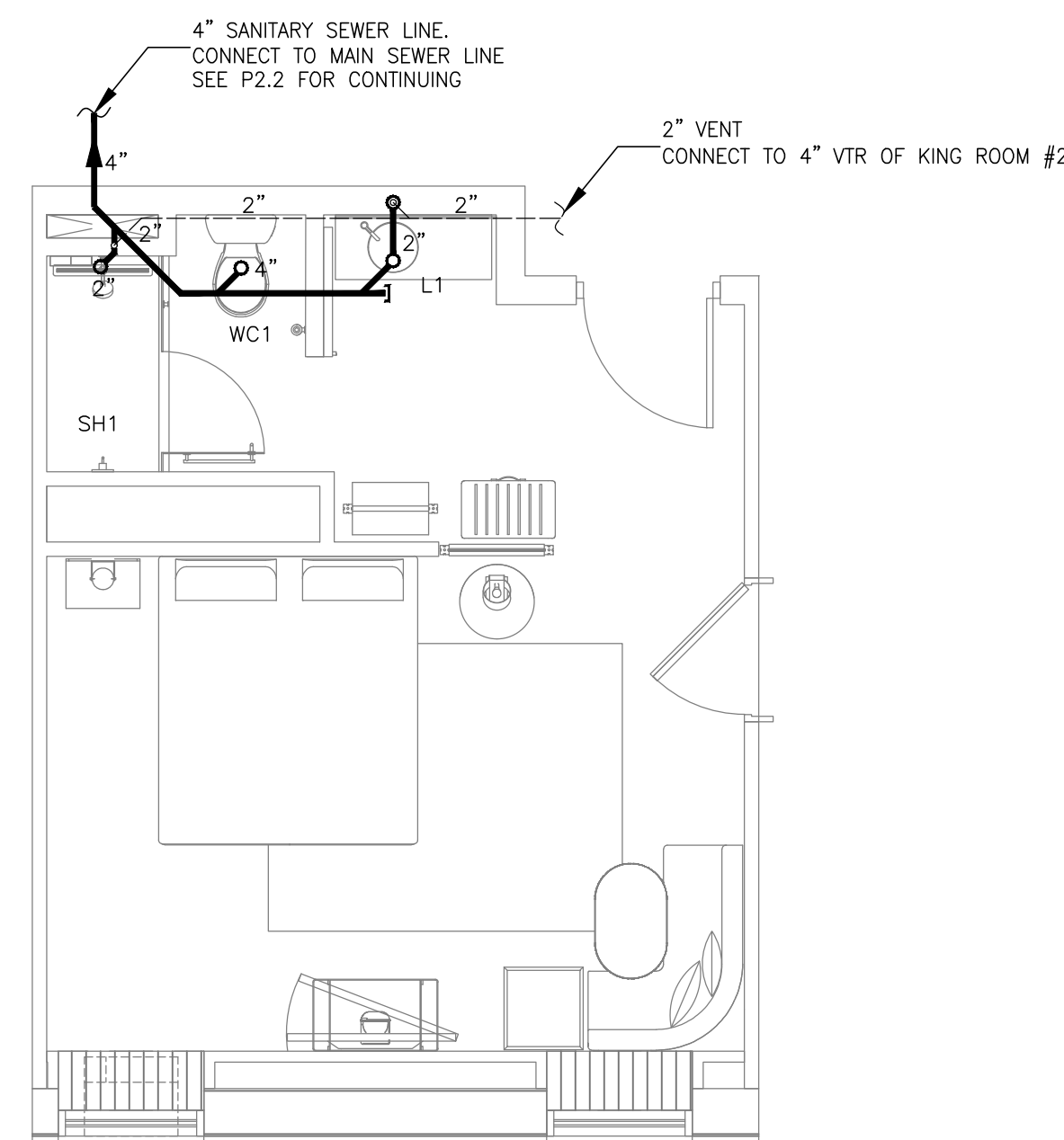
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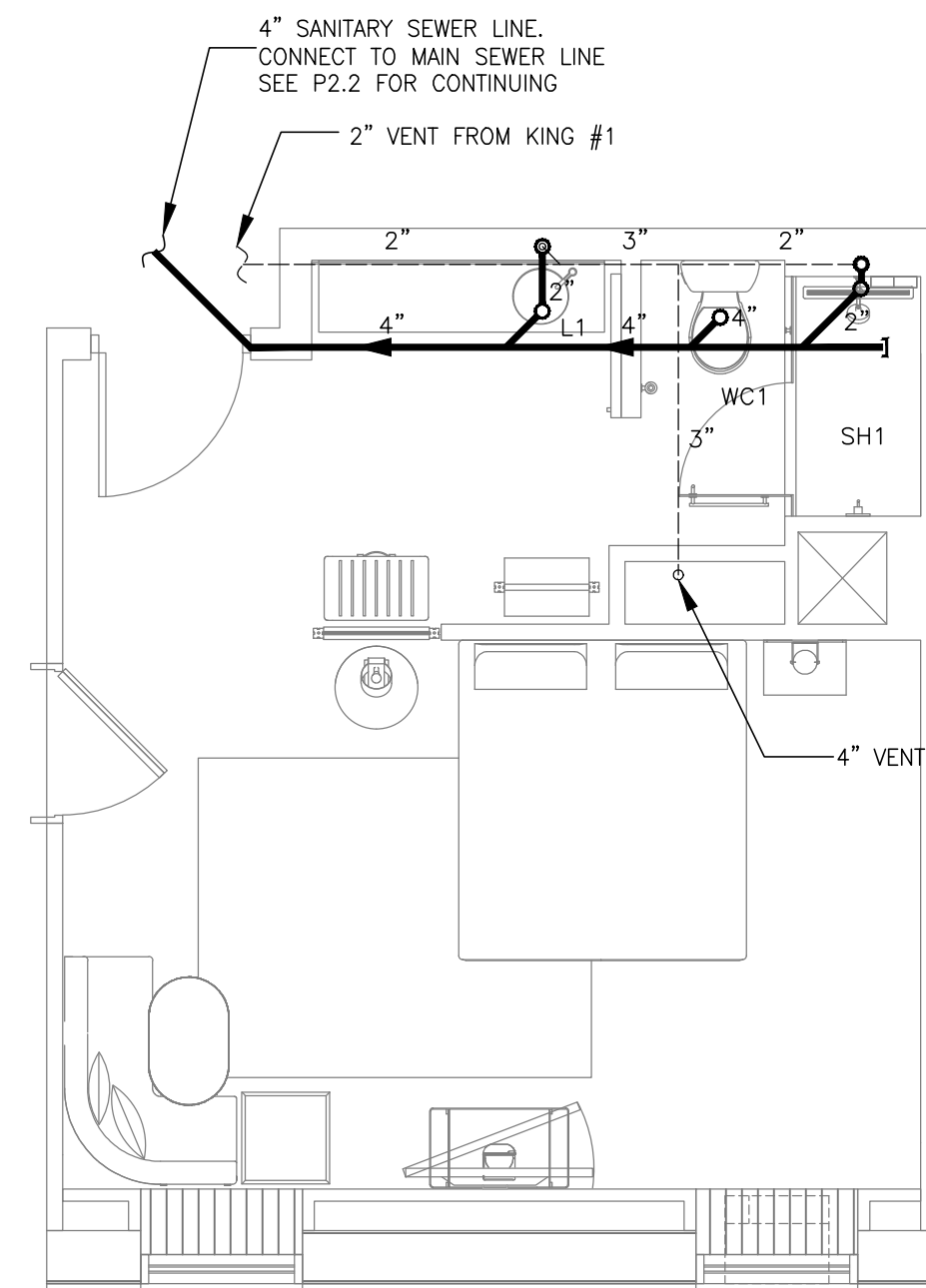
DOMESTIC WATER
 TYPICAL SUITE

SHEET P7.3

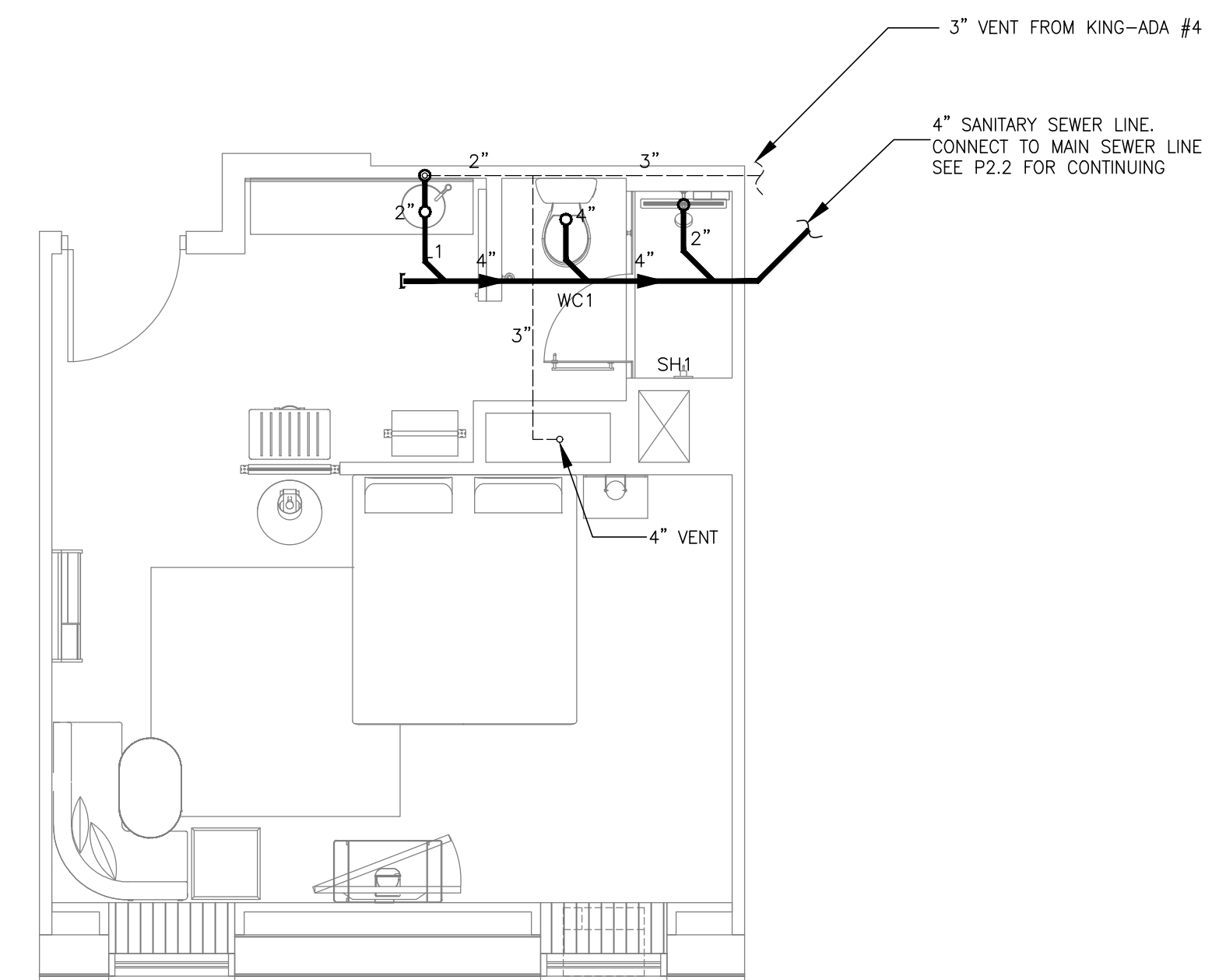
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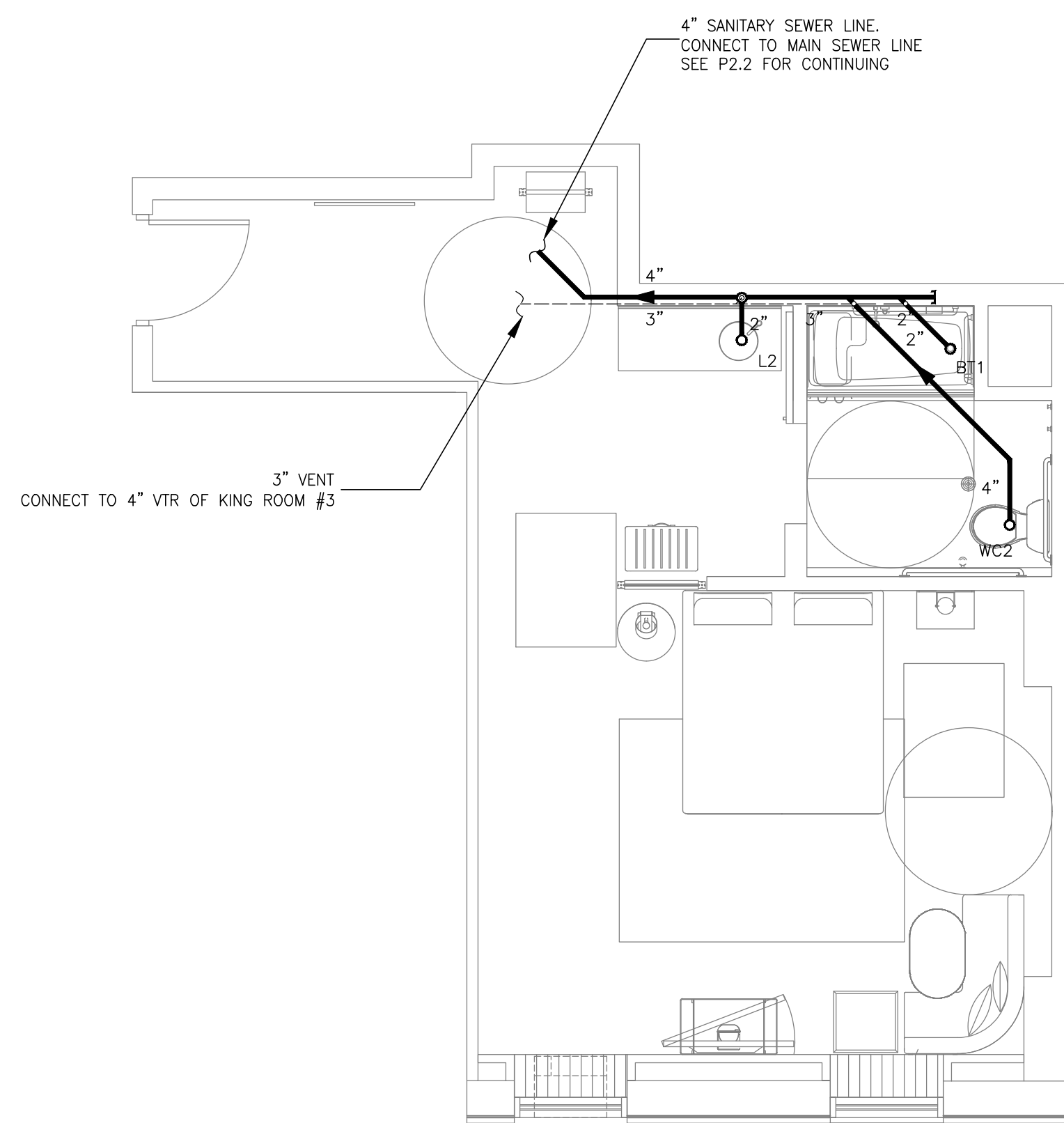
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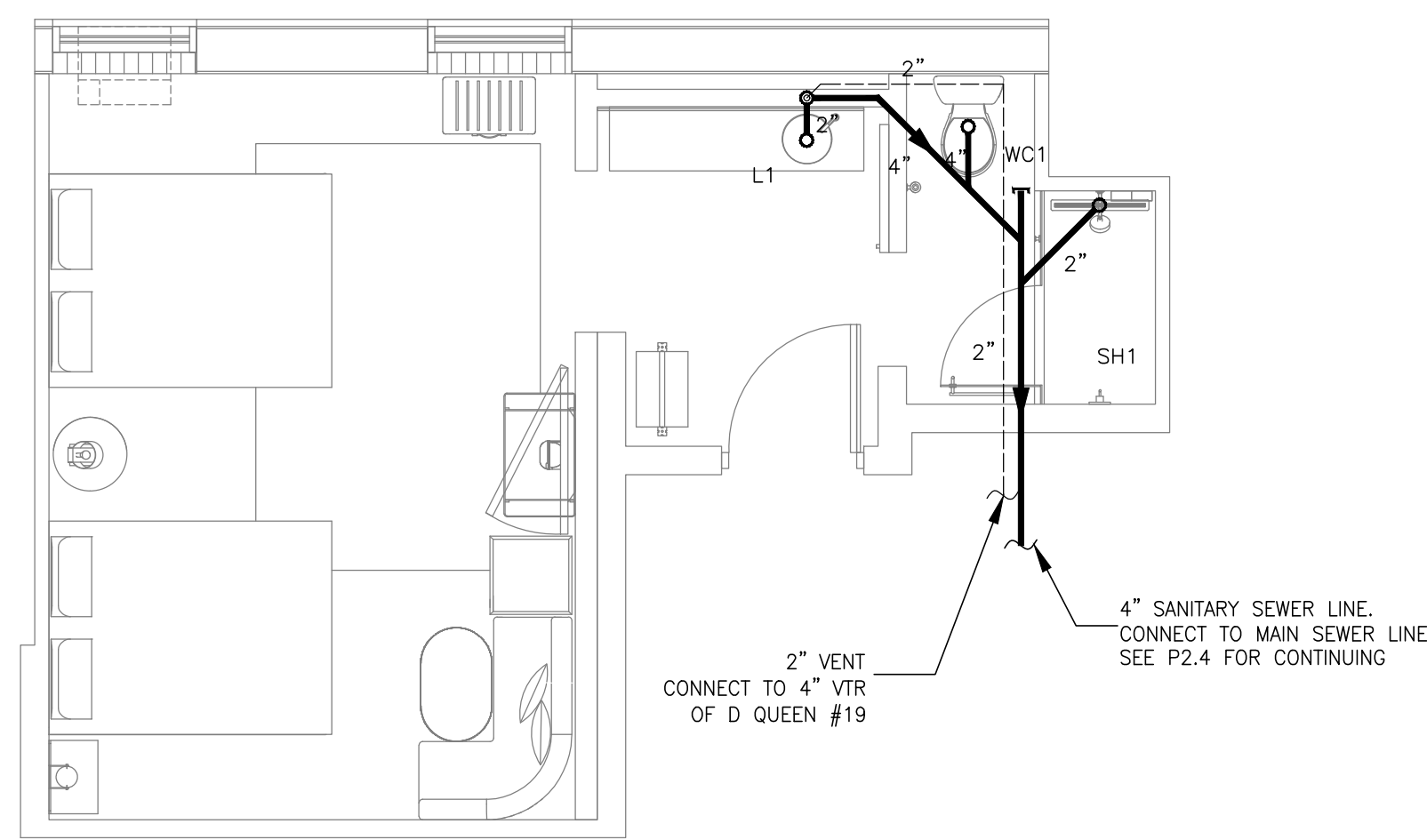
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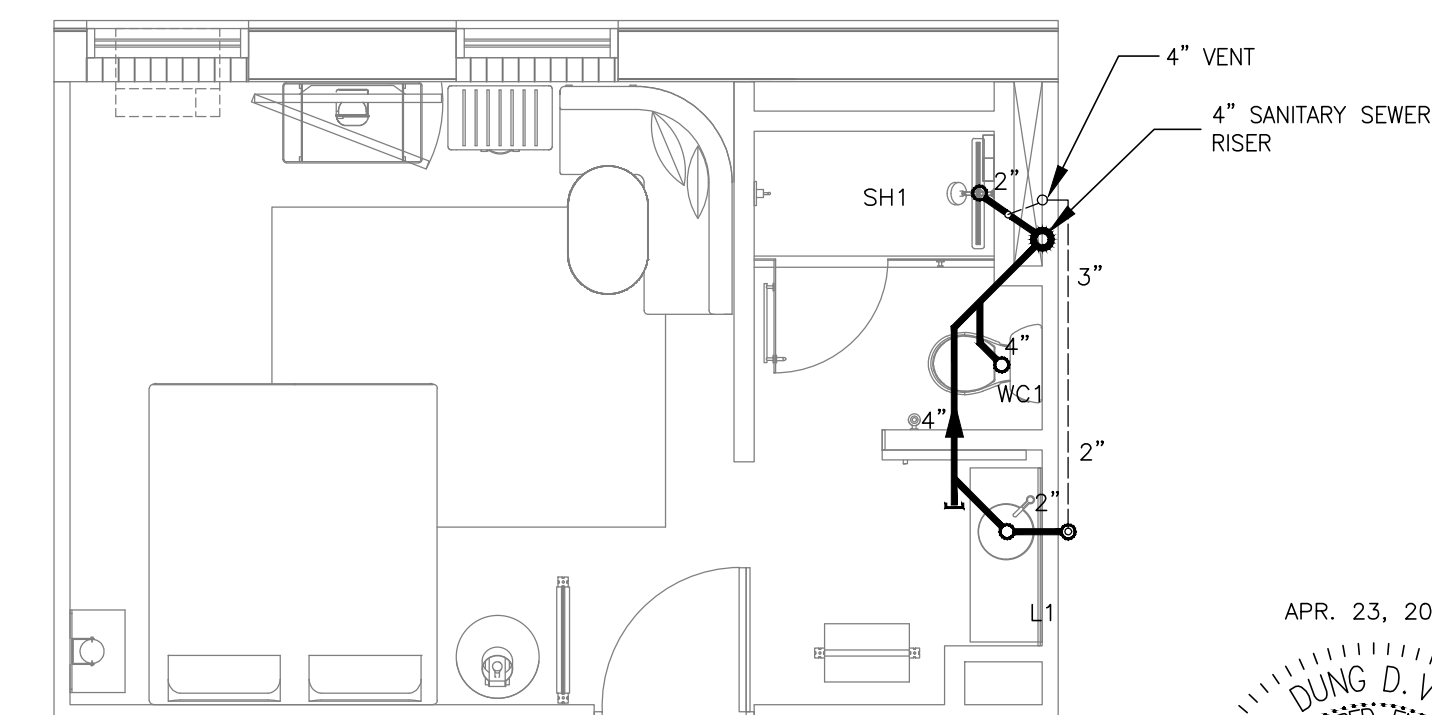
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SCALE: 1/4"=1'-0"



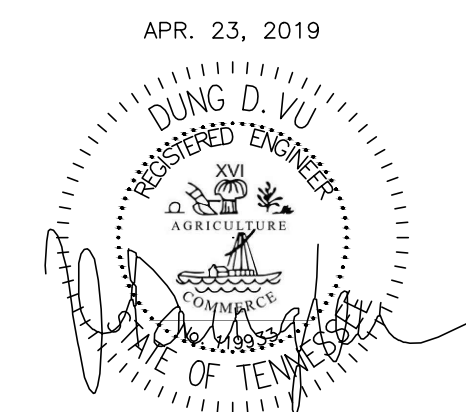
4 KING ADA #4
SCALE: 1/4"=1'-0"



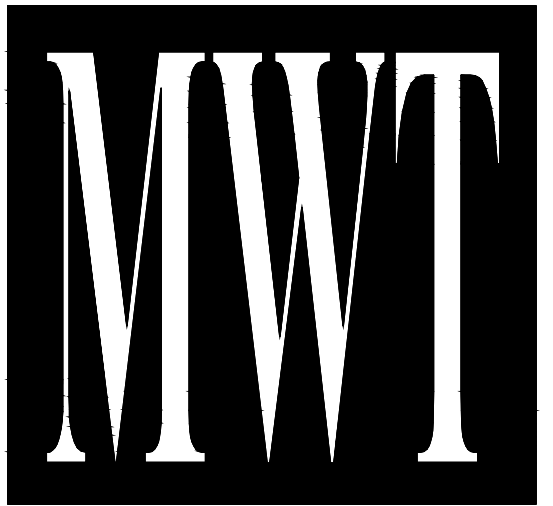
5 D. QUEEN #5
SCALE: 1/4"=1'-0"



6 KING #6
SCALE: 1/4"=1'-0"



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ALOFT
 MEMPHIS
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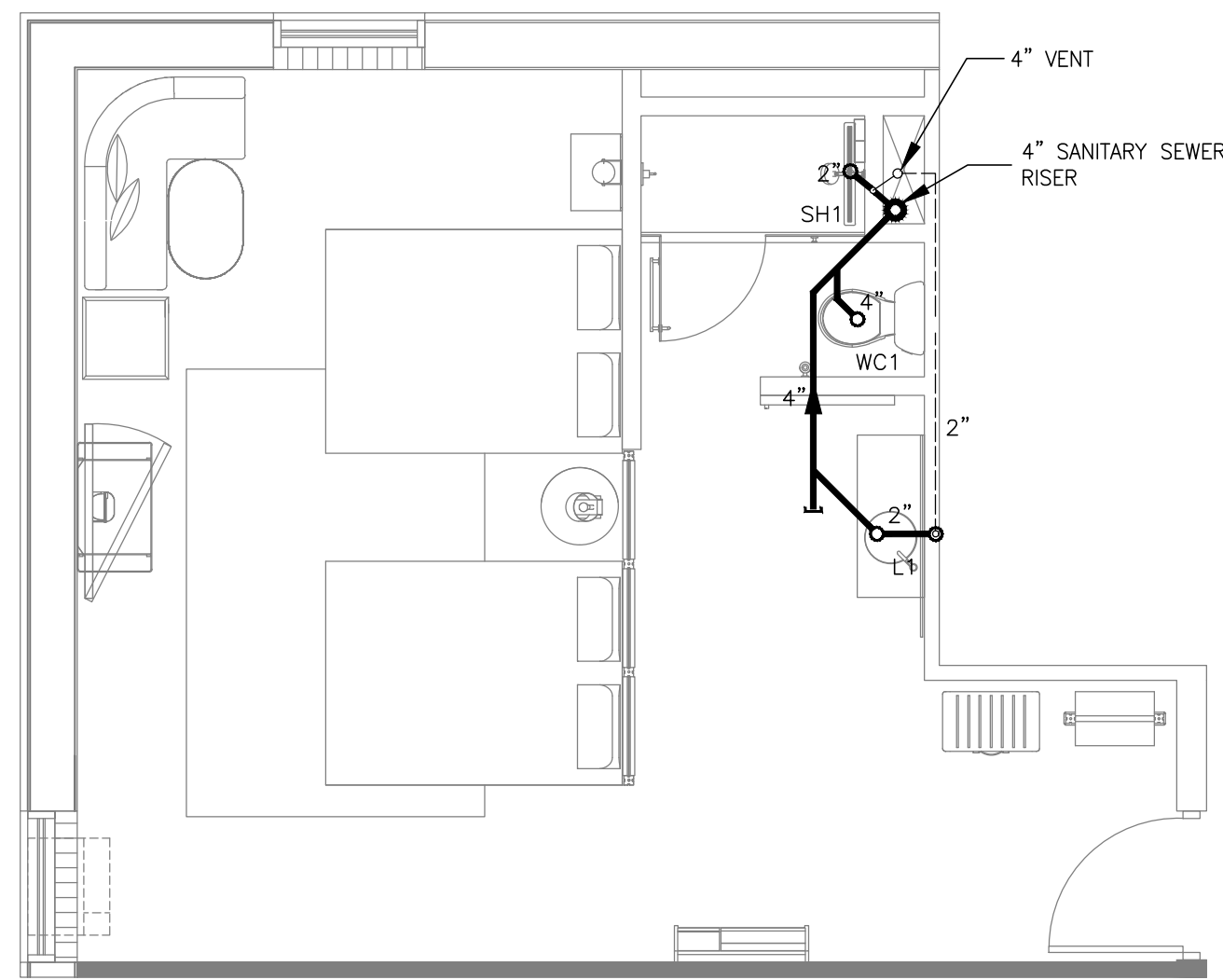
63 NORTH B.B. KING BLVD.
 MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
 DATE: 07-21-2017
 DRAWN BY: PL
 CHKD. BY: DV

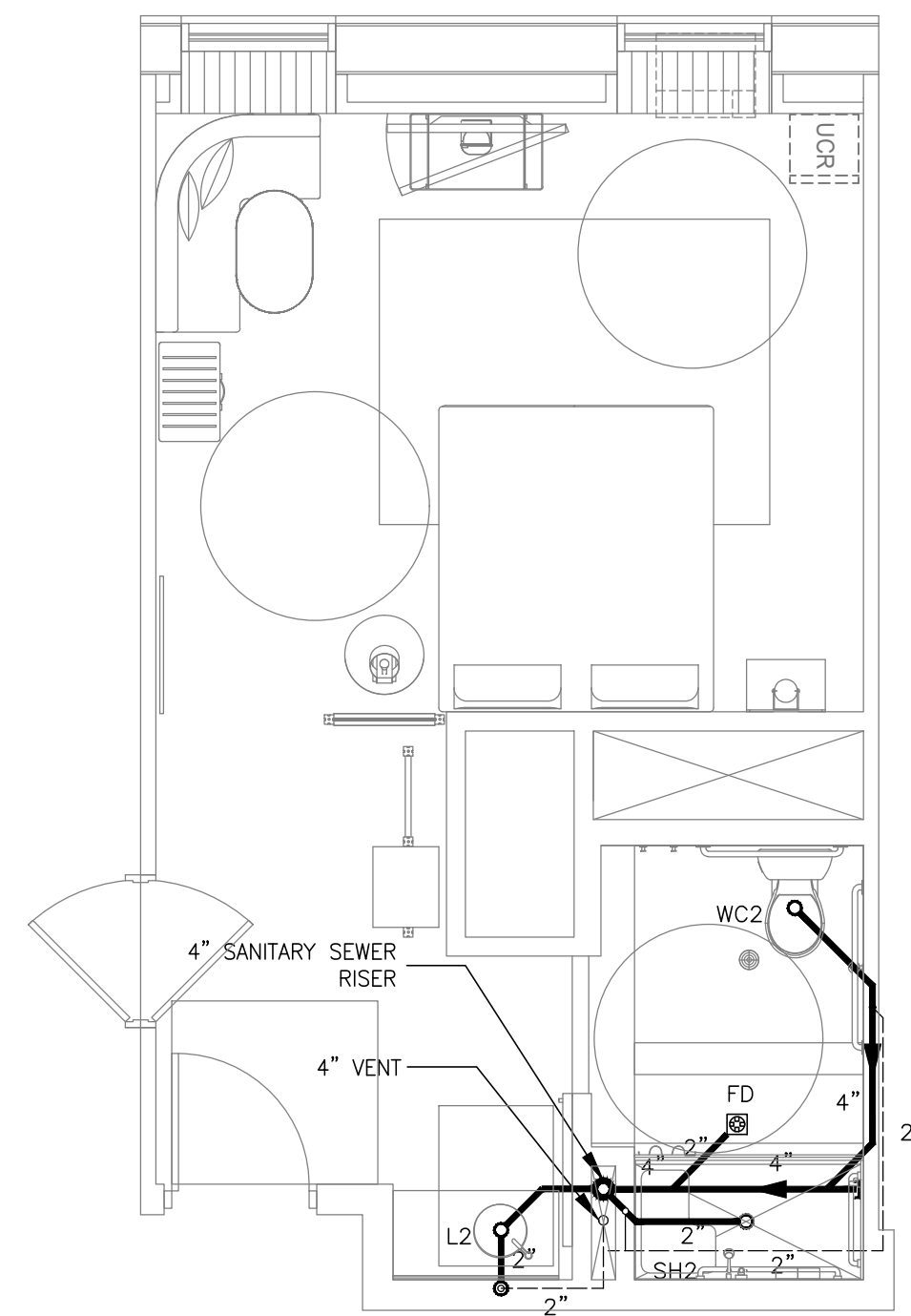
SANITARY SEWER
 TYPICAL
 GUESTROOM

SHEET P7.4

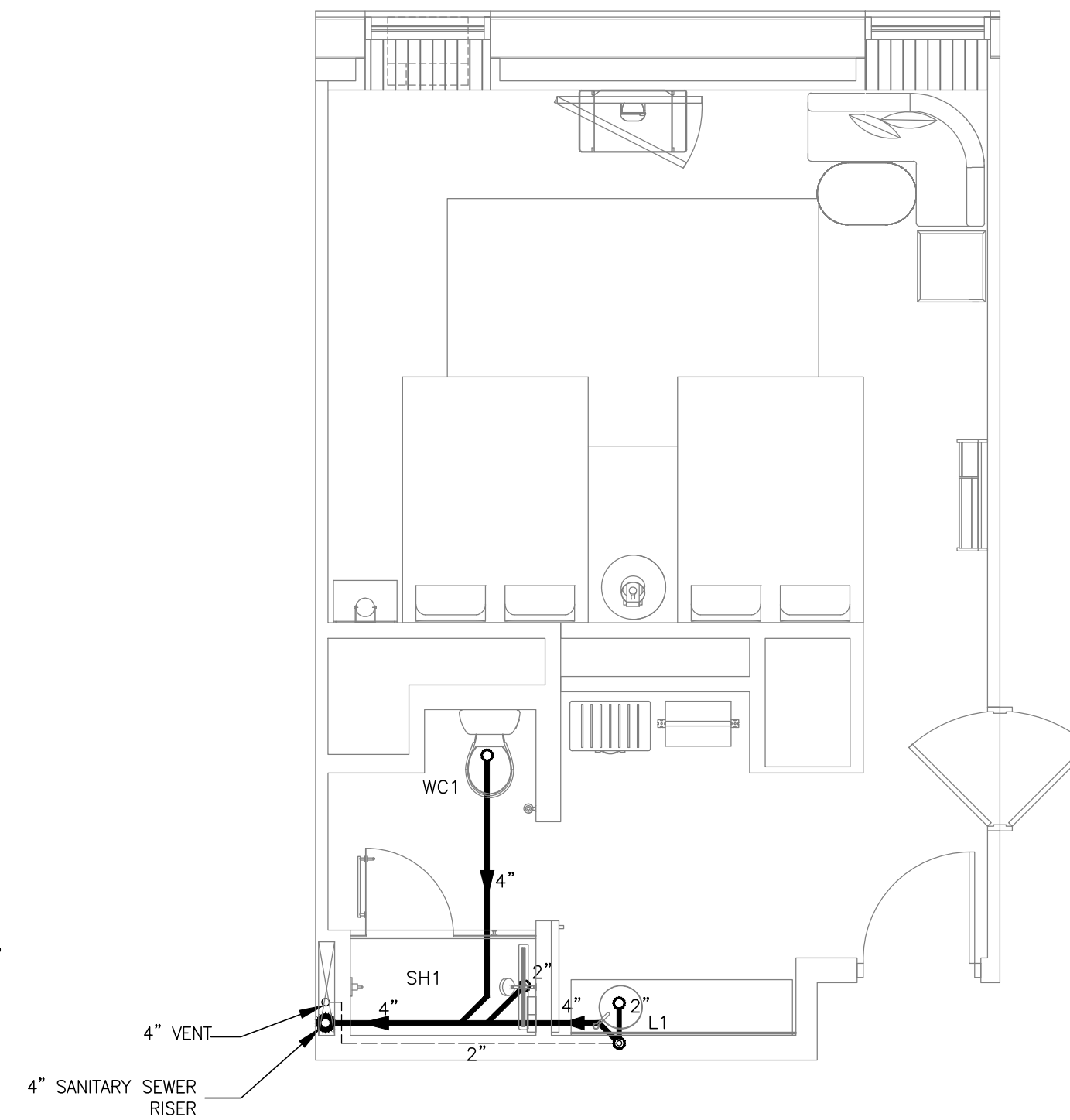
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8	ISSUED FOR PERMIT	02/21/18	PL
9	ISSUED FOR PERMIT	04/16/18	PL
10	ISSUED TO FRANCHISE	04/23/19	PL



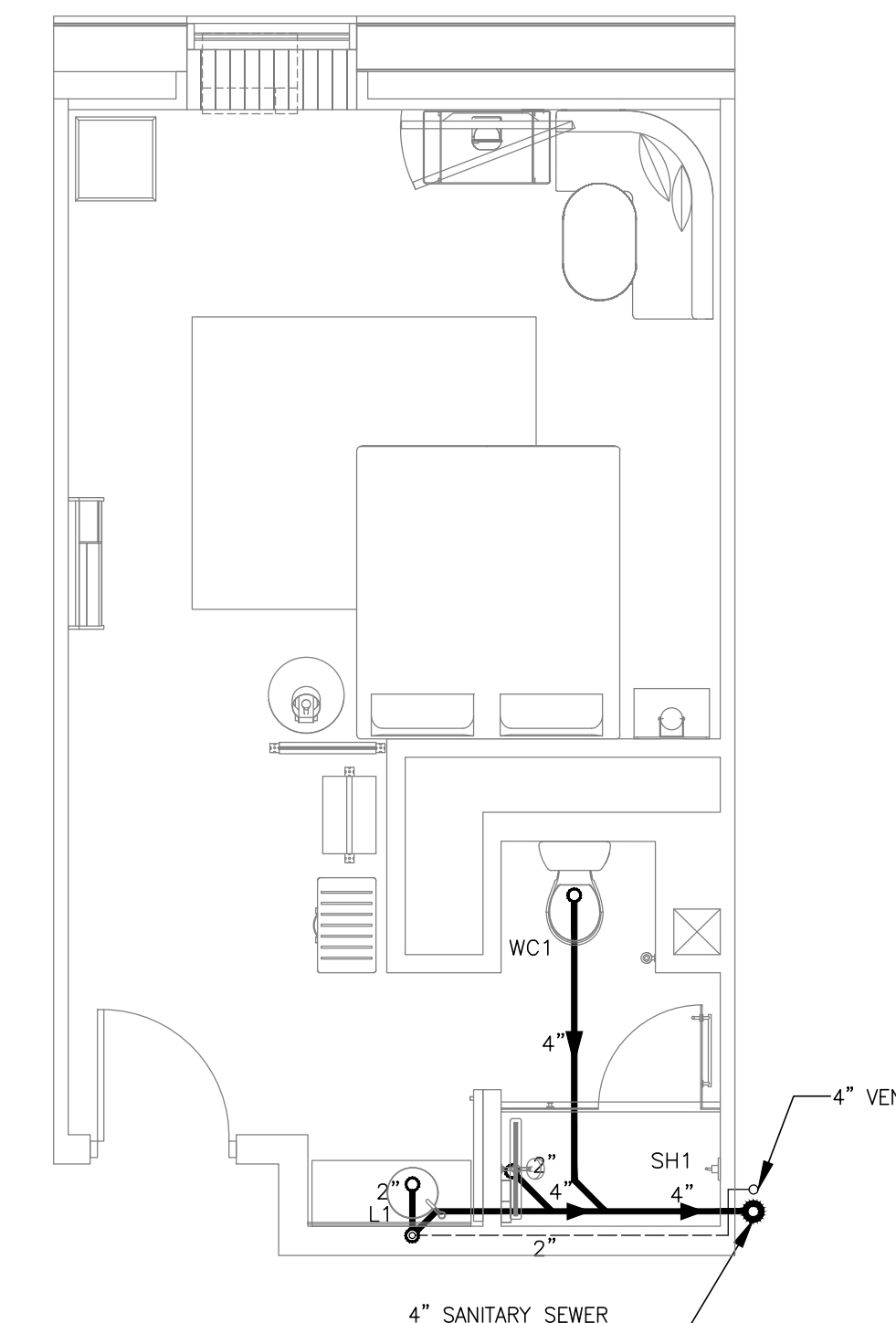
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SCALE: 1/4"=1'-0"



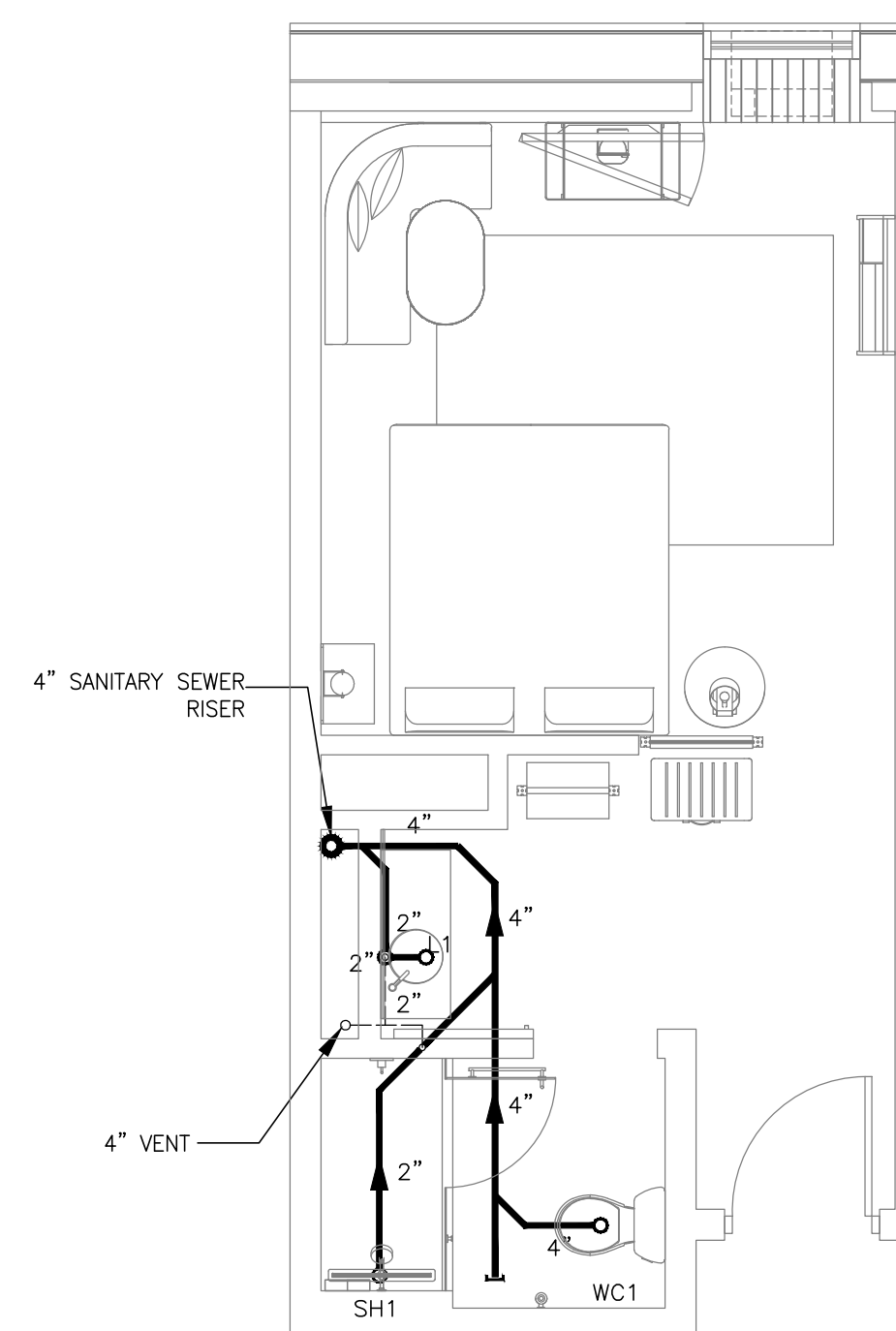
2 KING ADA #8
SCALE: 1/4"=1'-0"



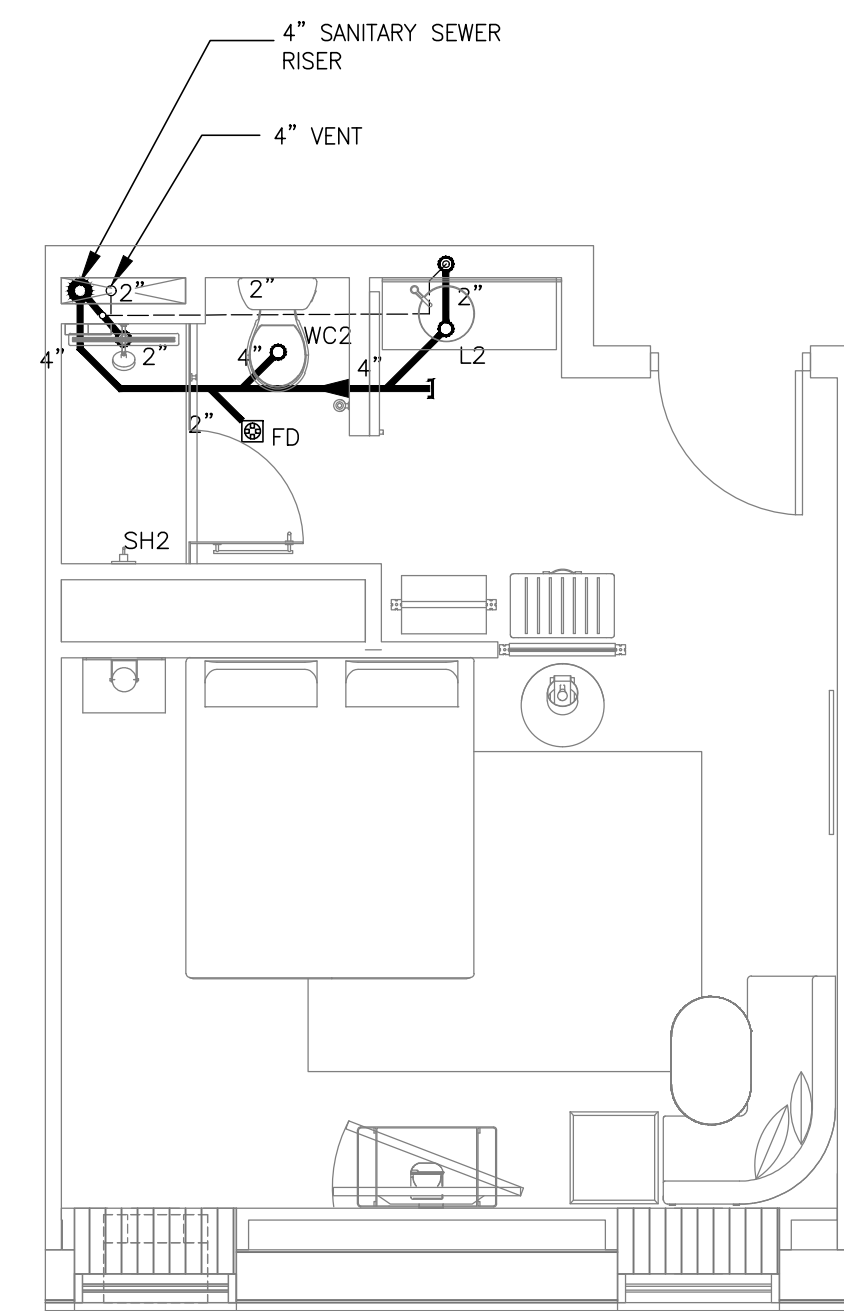
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SCALE: 1/4"=1'-0"



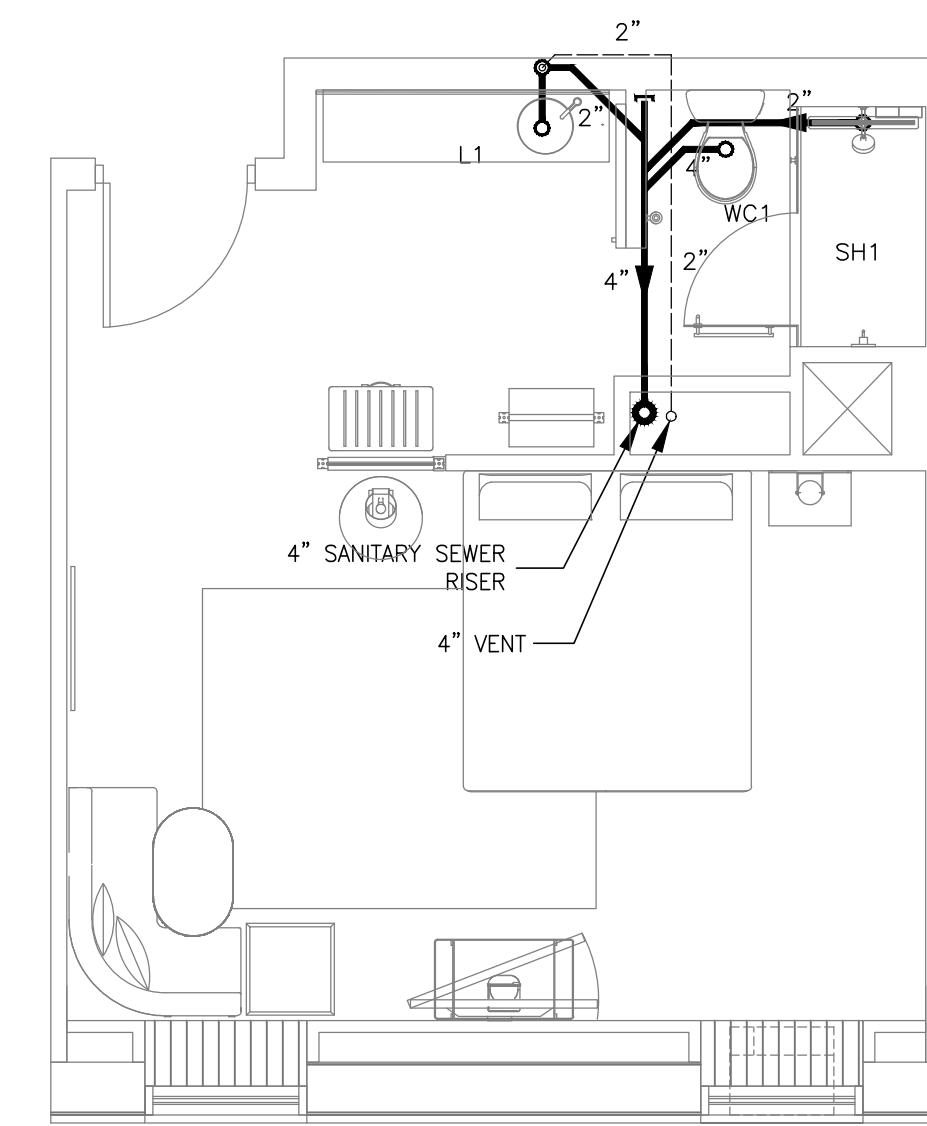
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SCALE: 1/4"=1'-0"



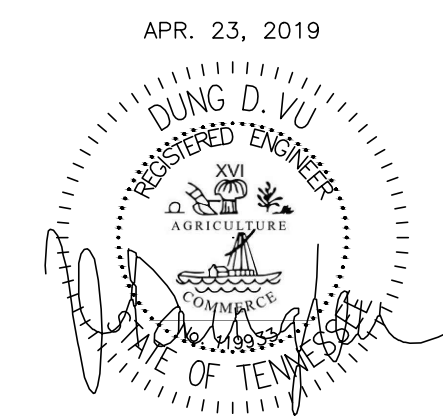
5 KING #11
SCALE: 1/4"=1'-0"



6 KING ADA #12
SCALE: 1/4"=1'-0"

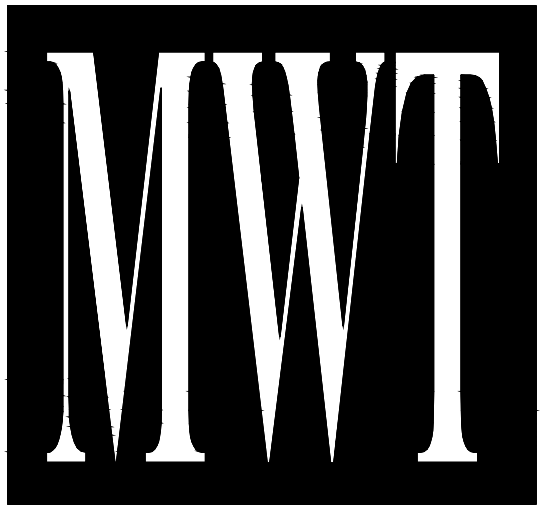


7 D. QUEEN #13
SCALE: 1/4"=1'-0"



APR. 23, 2019

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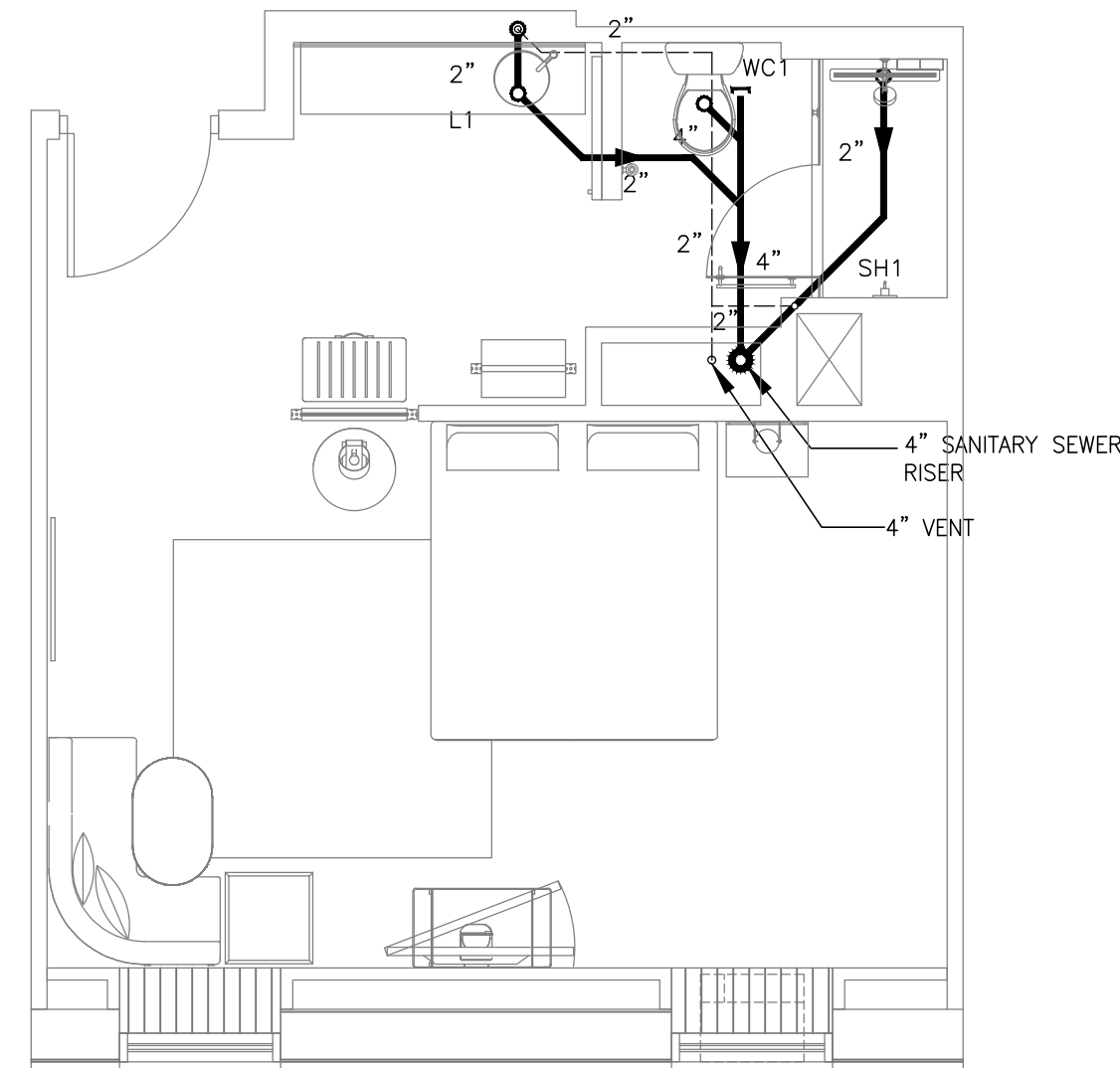
ALOFT
 MEMPHIS
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 MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
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 CHKD. BY: DV

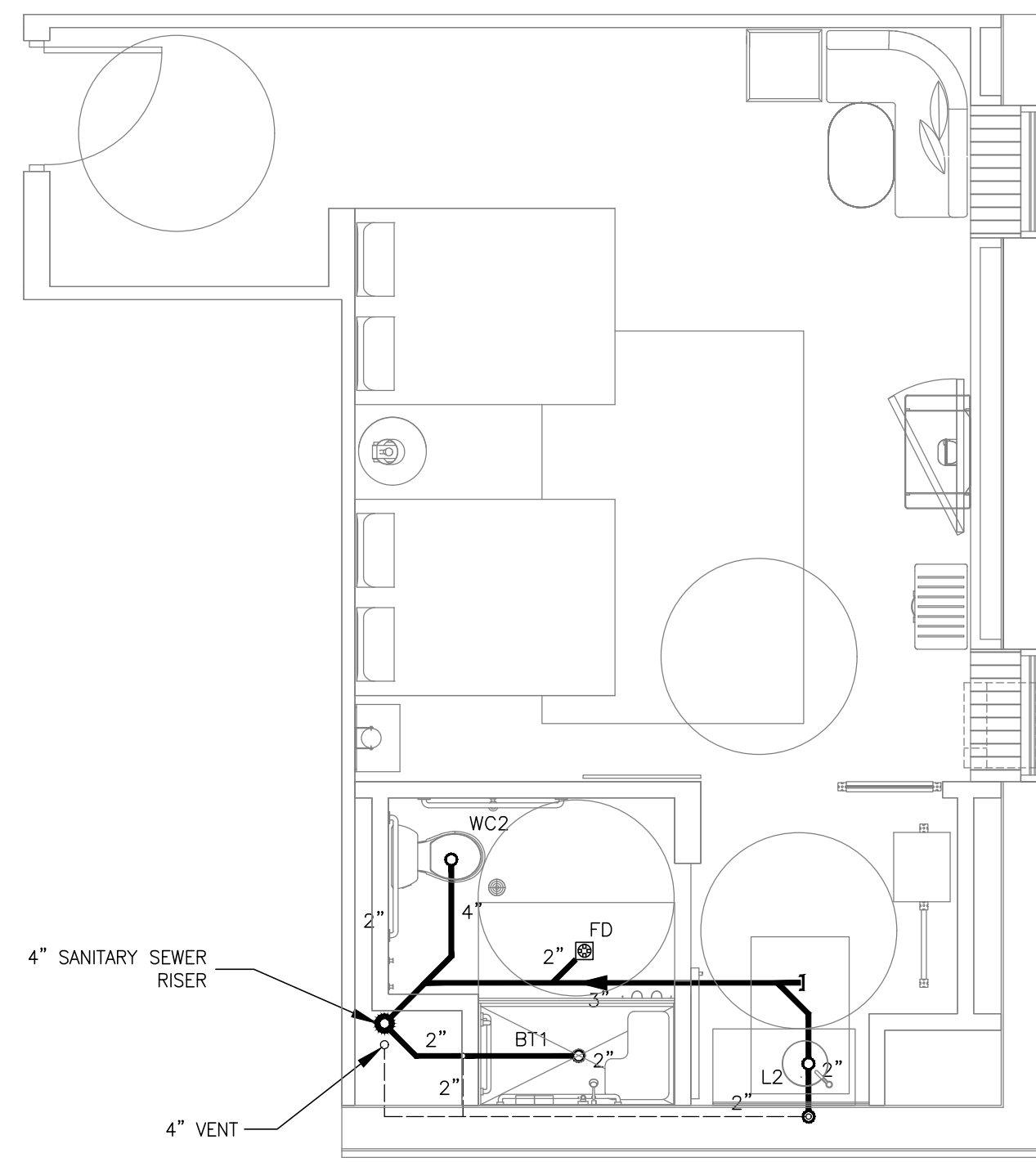
SANITARY SEWER
 TYPICAL
 GUESTROOM

SHEET P7.5

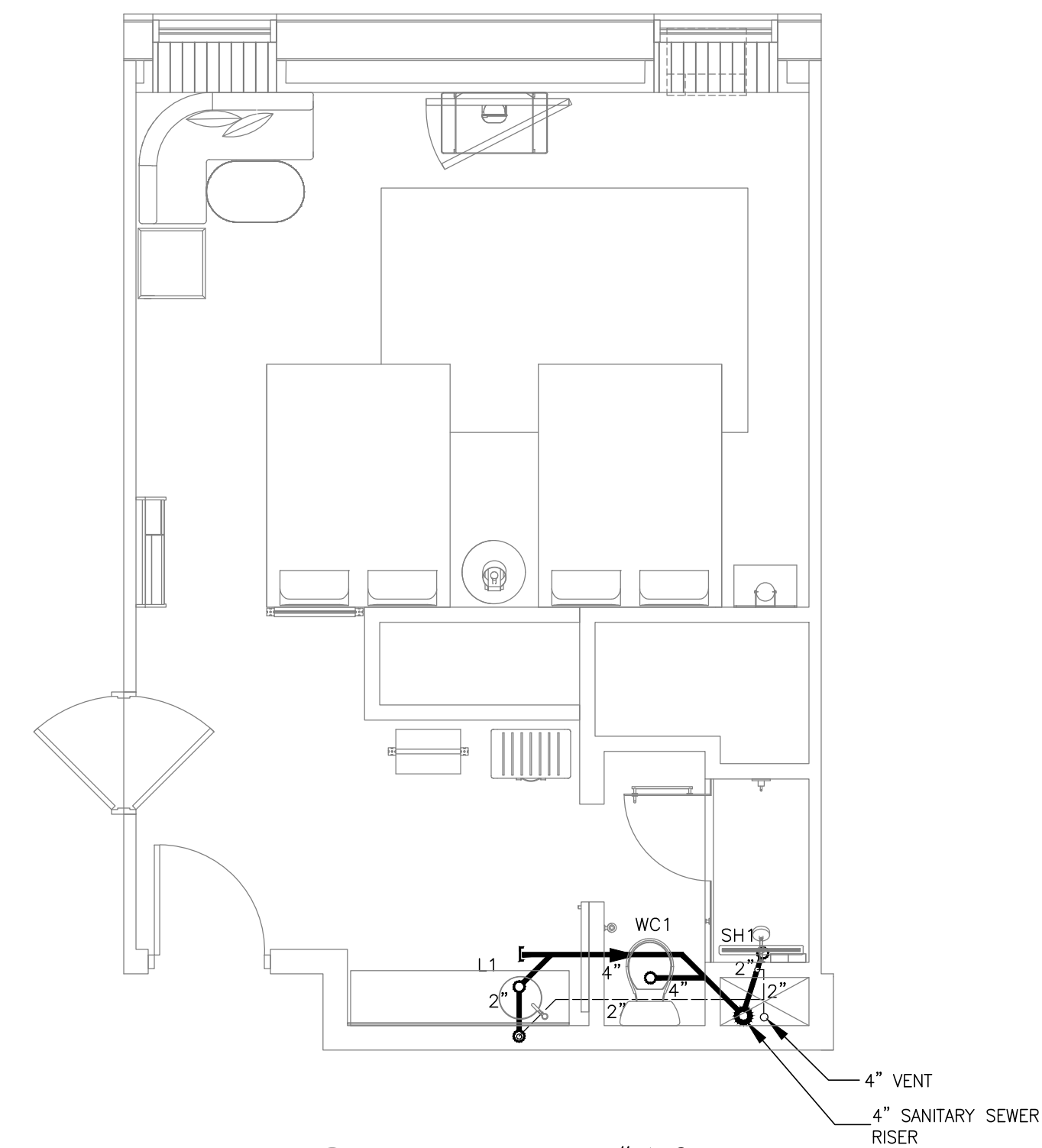
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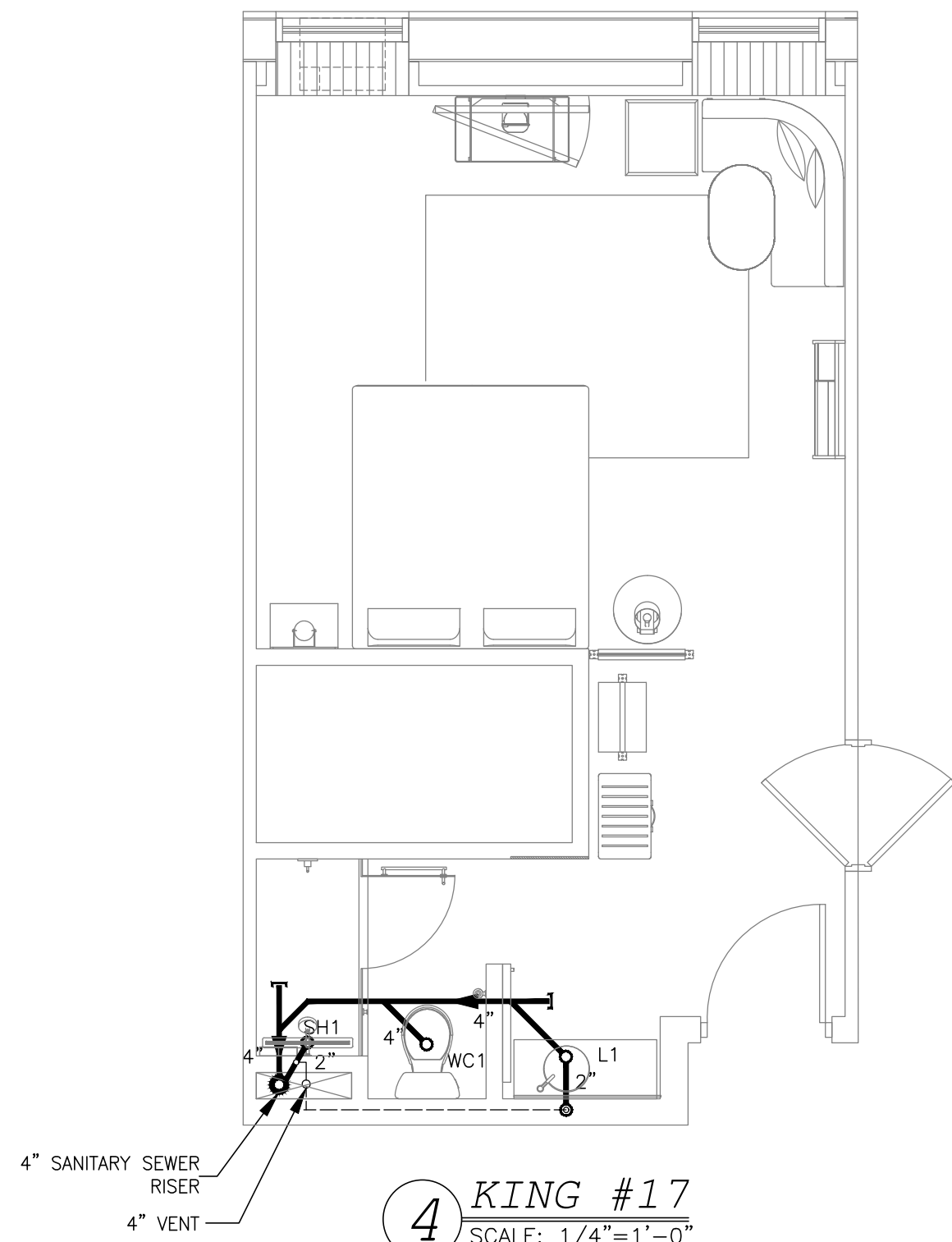
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SCALE: 1/4"=1'-0"



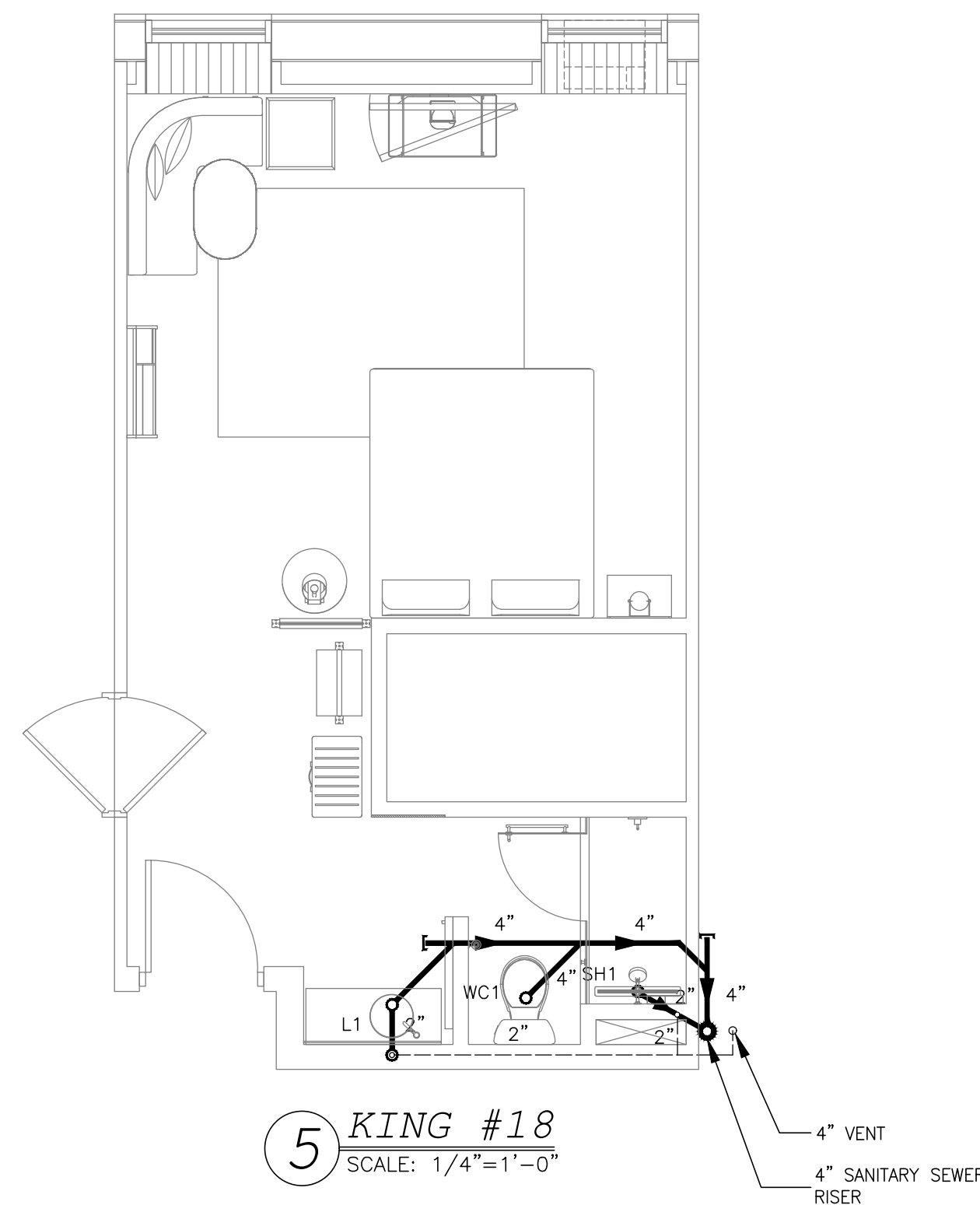
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SCALE: 1/4"=1'-0"



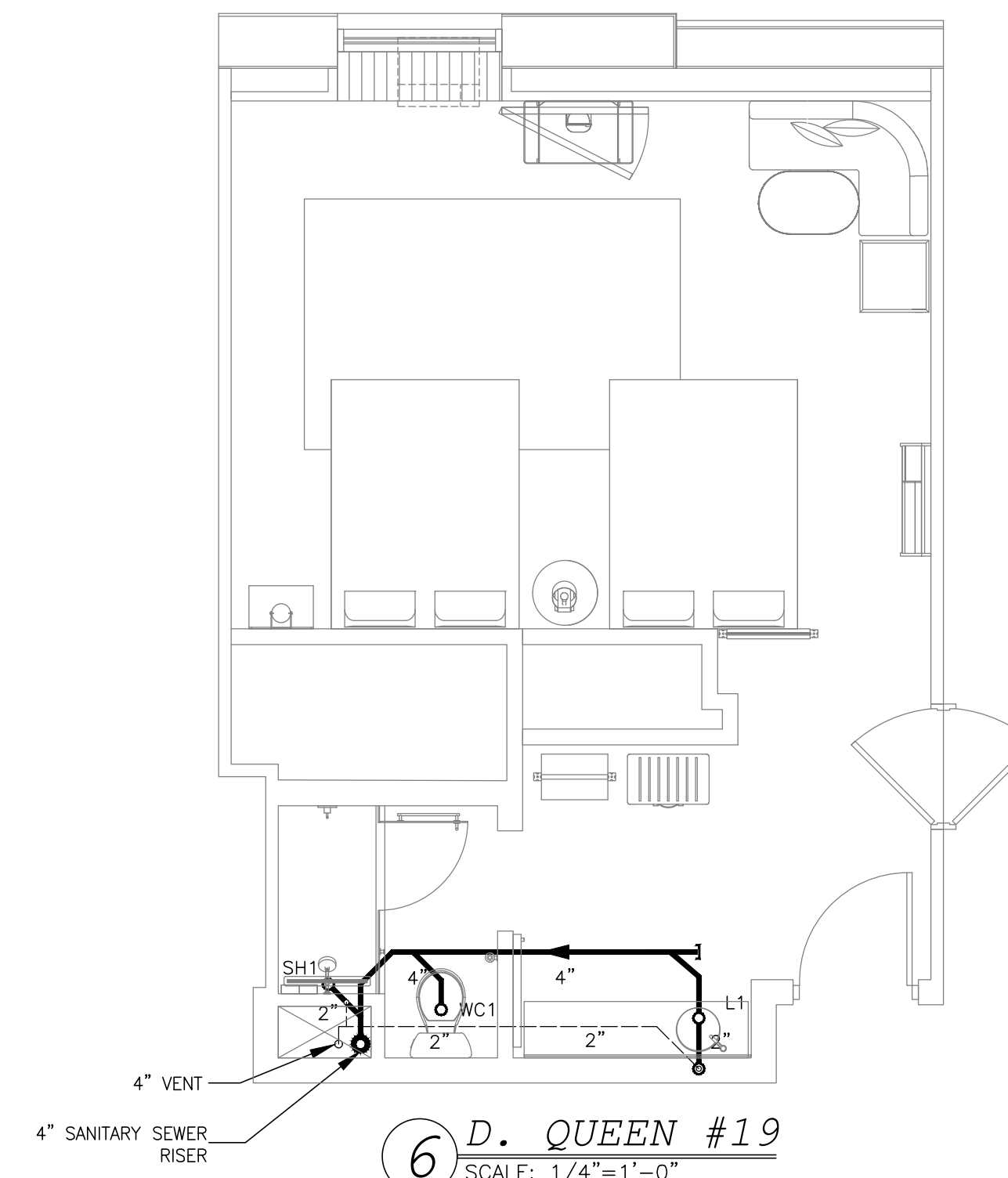
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SCALE: 1/4"=1'-0"



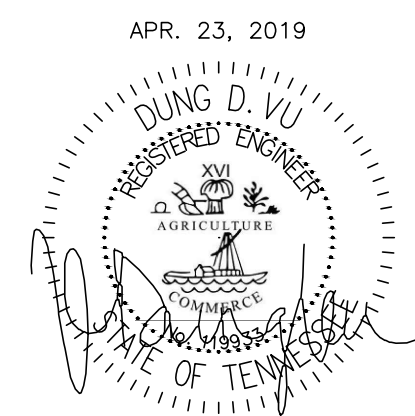
4 KING #17
SCALE: 1/4"=1'-0"



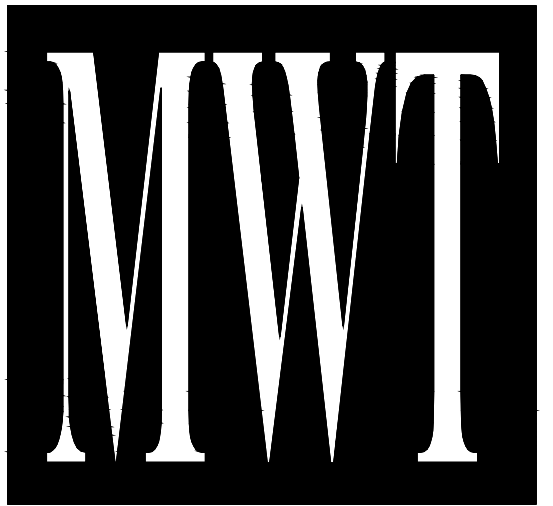
5 KING #18
SCALE: 1/4"=1'-0"



6 D. QUEEN #19
SCALE: 1/4"=1'-0"



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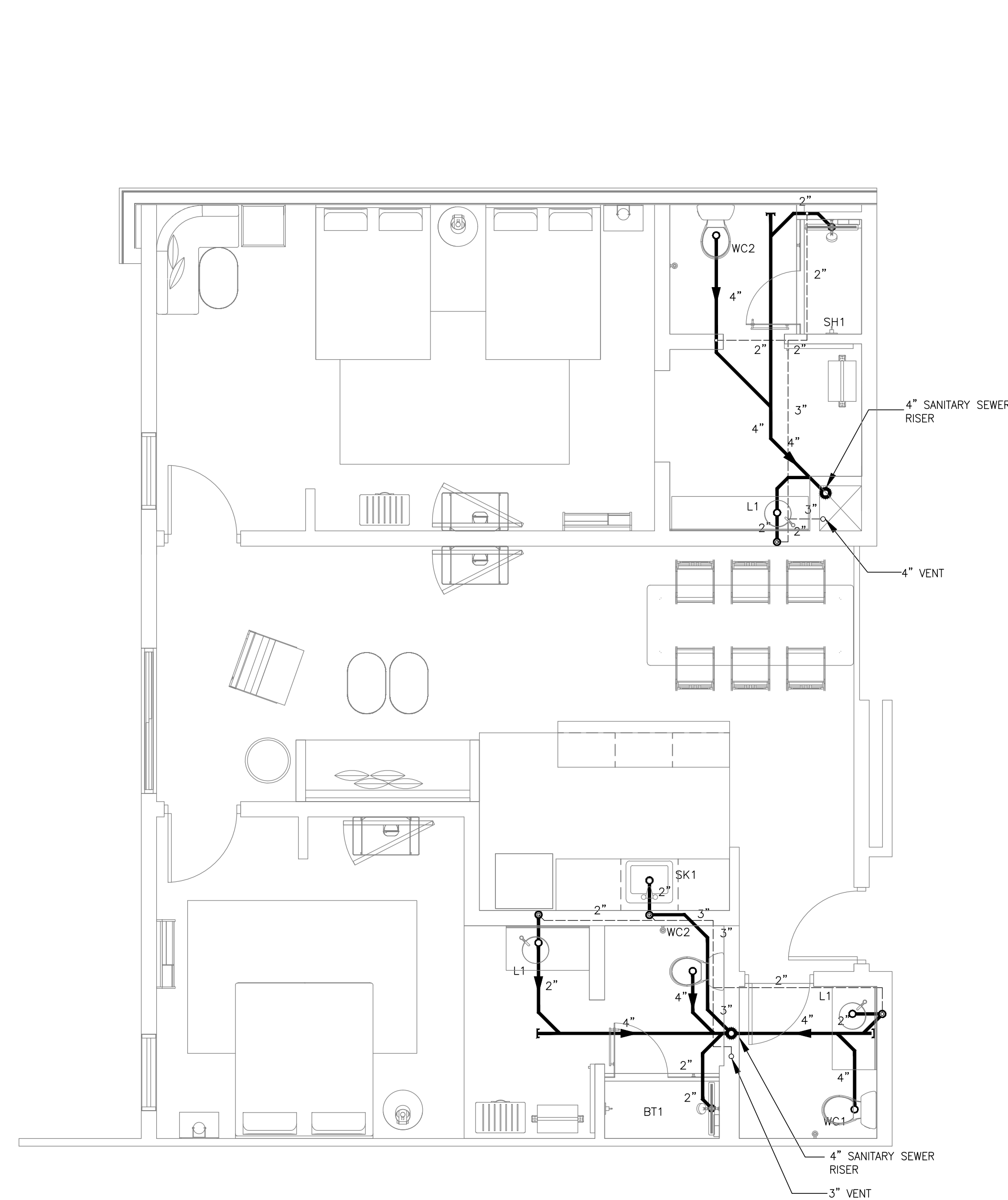
ALOFT
 MEMPHIS
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 63 NORTH B.B. KING BLVD.
 MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
 DATE: 07-21-2017
 DRAWN BY: PL
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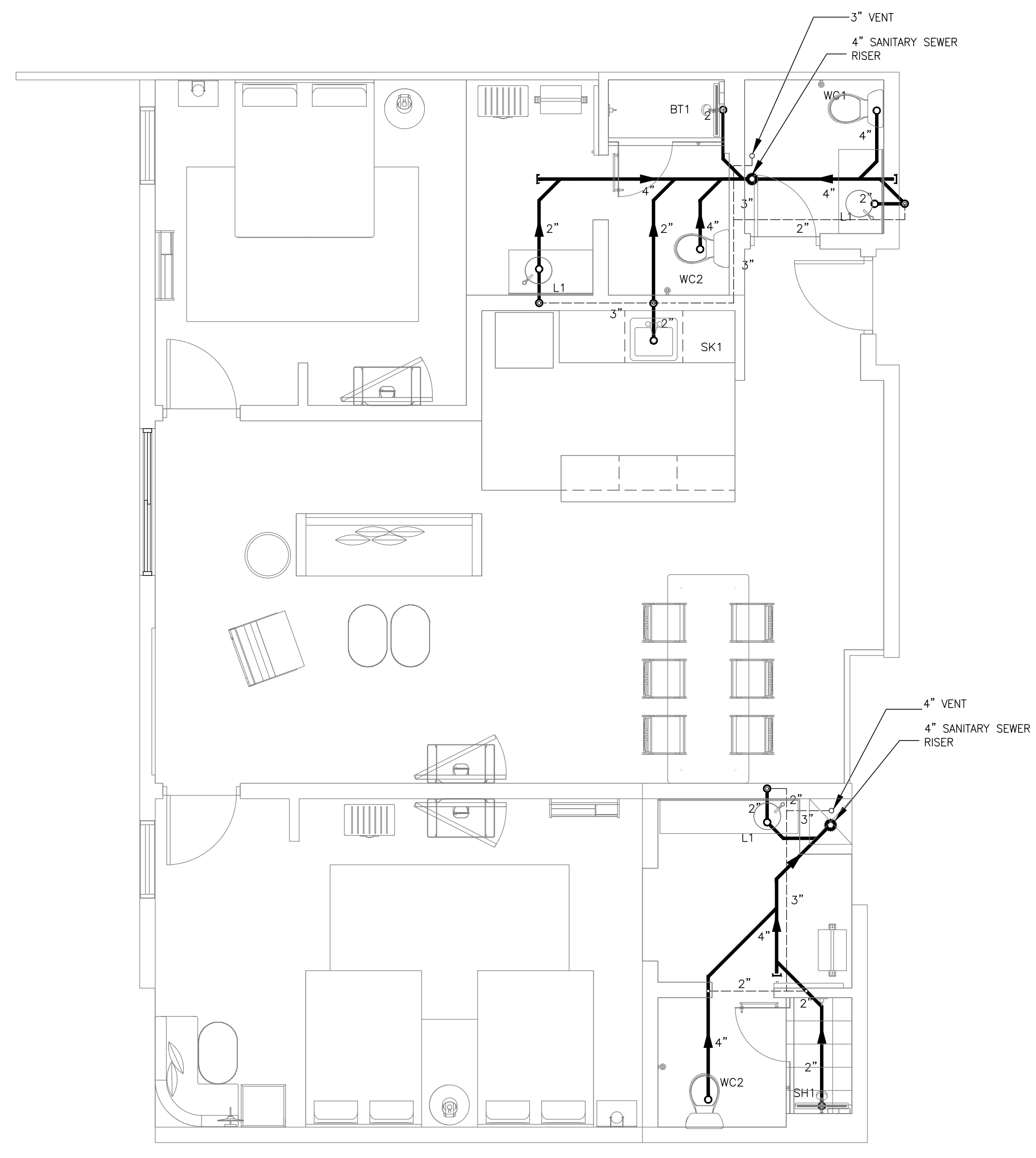
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SHEET P7.6

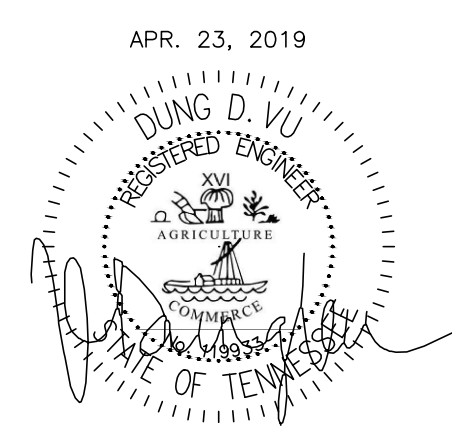
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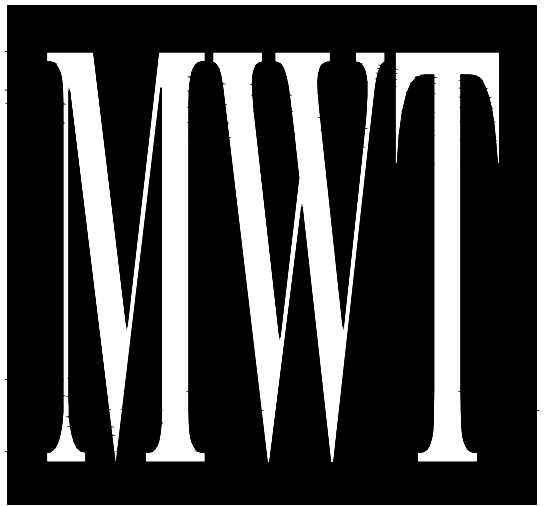
1 SUITE #1
SCALE: 1/4"=1'-0"



2 SUITE #2
SCALE: 1/4"=1'-0"



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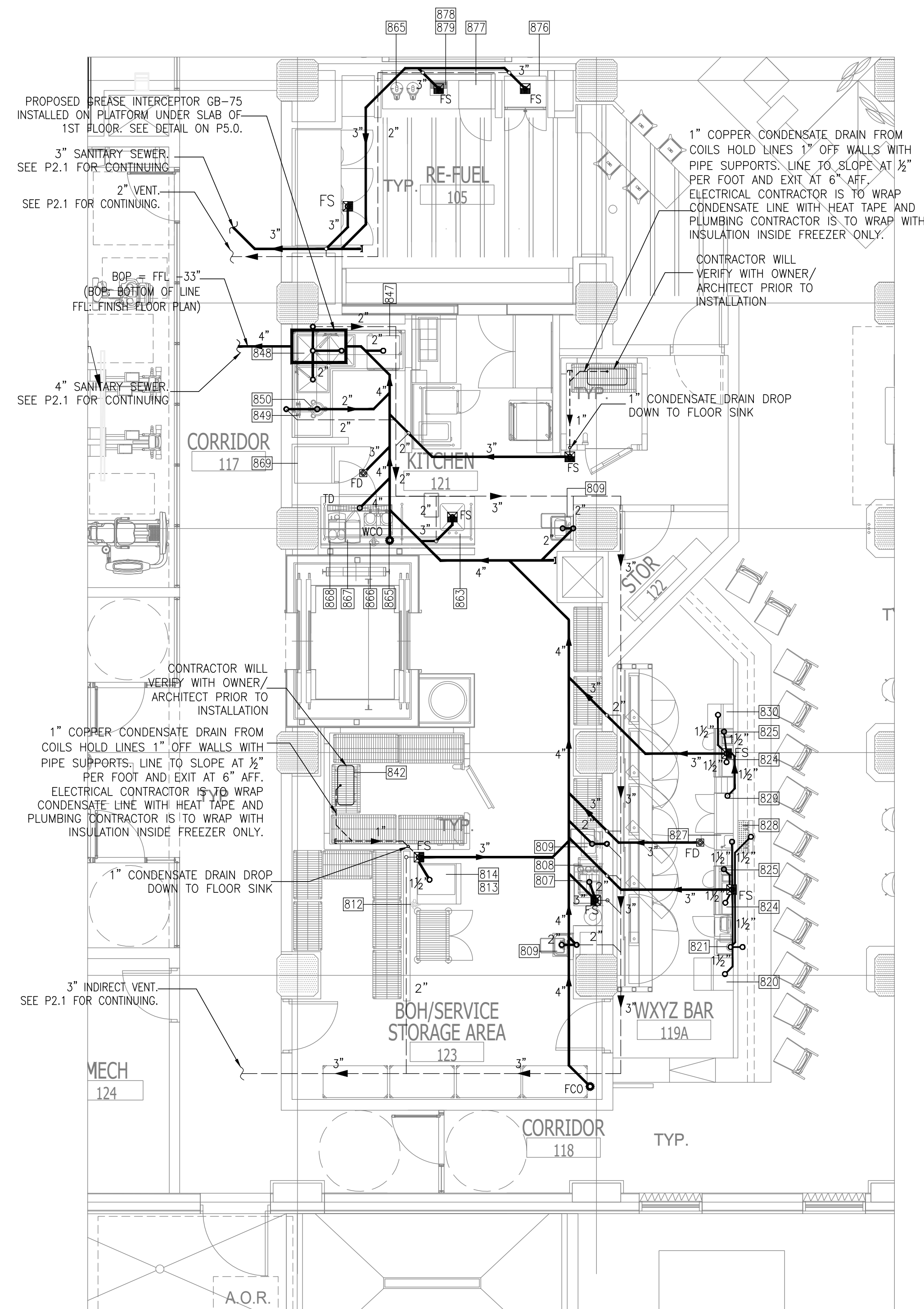
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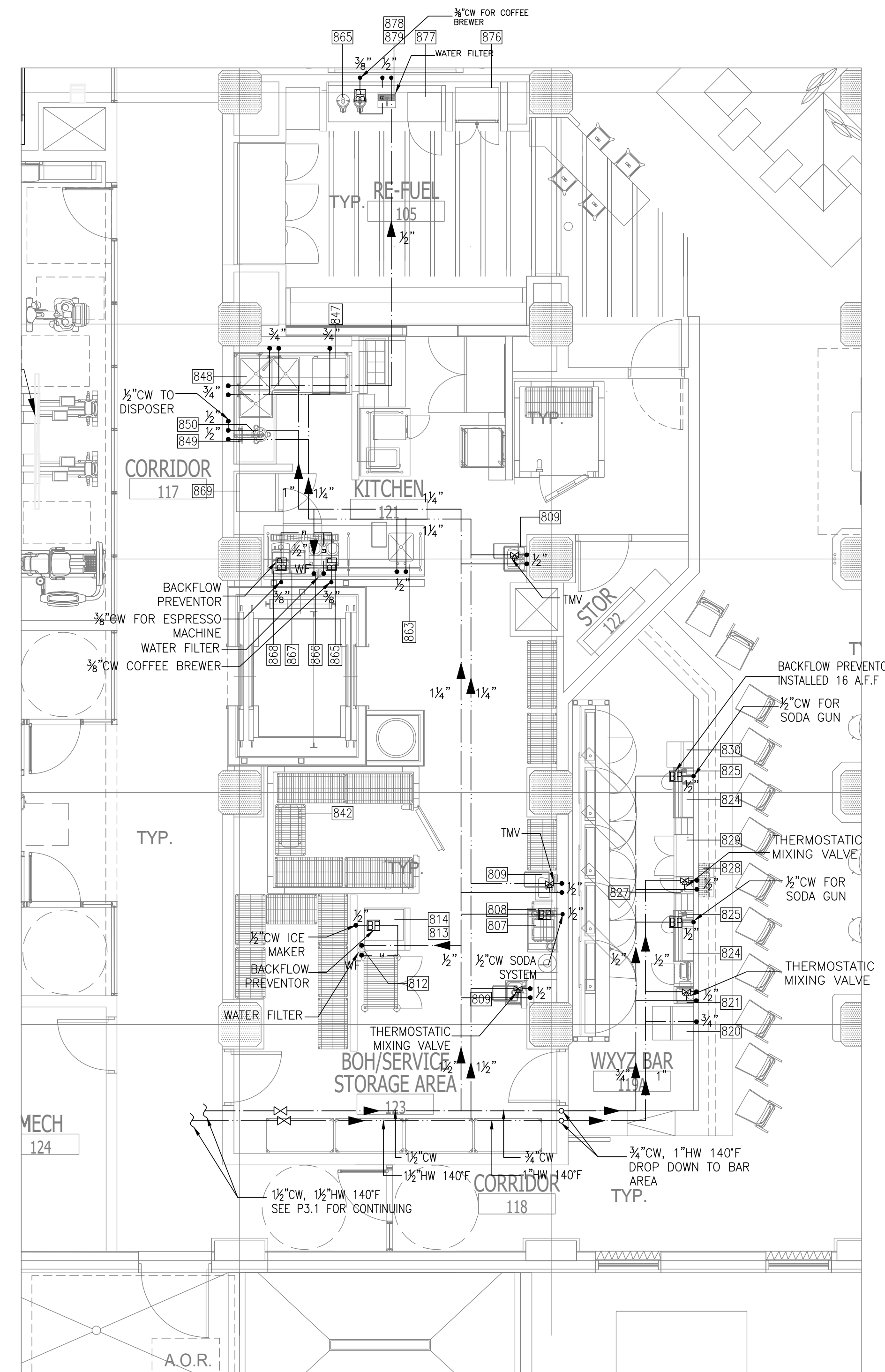
PROJECT NO.: 16 006
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 CHKD. BY: DV

SANITARY SEWER
 TYPICAL SUITE

SHEET P7.7



1 DOMESTIC WATER
KITCHEN PLAN
SCALE: 3/16"=1'-0"



2 SANITARY SEWER
KITCHEN PLAN
SCALE: 3/16"=1'-0"

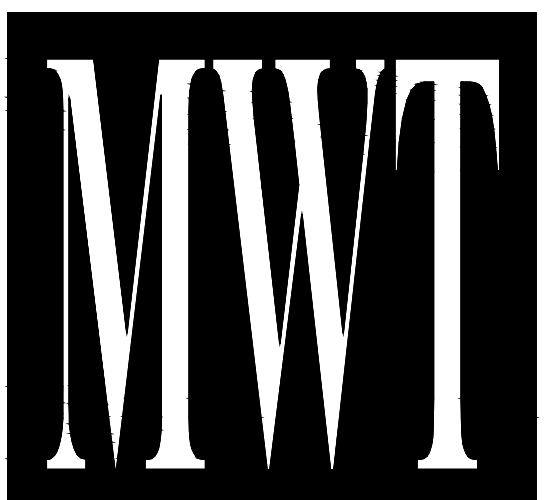
EQUIPMENT SCHEDULE – KITCHEN AREAS
(THE PLUMBING FIXTURES SHALL BE VERIFIED BY FRANCHISE/OWNER PRIOR TO PURCHASING OR INSTALLATION)

ITEM	QTY.	DESCRIPTION	MANUFACTURE	MODEL	GAS		WASTE		WATER	
					BTUH	WASTE-INDIRECT	WASTE-DIRECT	HOT	COLD	FILTER
809	2	HAND SINK	ADVANCE TABCO	7-PS-80			2"	1/2"	1/2"	
847	1	UNCOUNTER DISH WASHER	HOBART / VEH				2"	3/4"	1/2"	
848	1	3 COMPARTMENT SINK	ADVANCE TABCO	94-K3-11D			3"		1/2"	
	1	PRE-RINSE LINT	T & S BRASS	B-0113-A06-08C					2 3/4"	1/4"
849	1	DISPOSER	RED COAT	A2P-R7			2"	1/2"	1/2"	
850	1	SPRAY RINSE	FISHER	89745				1/2"	1/2"	
863	1	BEVERAGE COUNTER W/SINK	ADVANCE / TABCO				1 1/2" TO FS	1/2"	1/2"	
	1	FAUCET	T & S BRASS	B-0221-CC				1/2"	1/2"	
865	4	COFFEE BREWER W/ AIRPORTS	FETCO	CBS-52H-15			1" TO FS		3/8"	Y
866	1	WATER FILTER	EVERPURE	INSURICE SINGLE					1/2"	
867	1	UNDERCOUNTER REFRIGERATOR	TRUE	TUC-27					3/8"	Y
868	1	ESPRESSO MACHINE	VERISMO	701					3/8"	Y
869	1	REACH-IN FREEZER	TRUE	T-23F						
876	1	GLASS DOOR REFRIGERATOR	TRUE	GDM-30-HC-LD						
877	1	GLASS DOOR FREEZER	EXCELLENCE	CF-3						
878	1	WATER FILTER AND DRAIN	T&S	EC-3101/B-1231			1" TO FS			
879	1	WATER FILTER	EVERPURE	INSURICE SINGLE					1/2"	

EQUIPMENT SCHEDULE – Wxyz BAR
(THE PLUMBING FIXTURES SHALL BE VERIFIED BY FRANCHISE/OWNER PRIOR TO PURCHASING OR INSTALLATION)

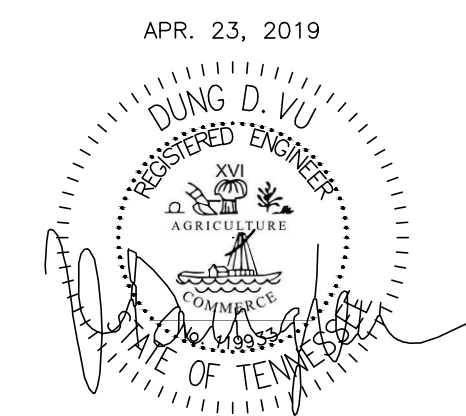
ITEM	QTY.	DESCRIPTION	MANUFACTURE	MODEL	GAS		WASTE		WATER	
					BTUH	WASTE-INDIRECT	WASTE-DIRECT	HOT	COLD	FILTER
807	1	BEER SYSTEM	GENERIC							
808	1	SODA SYSTEM	GENERIC							
809	1	HAND SINK	ADVANCE TABCO	7-PS-80			2" TO FS		1/2"	1/2"
812	1	WATER FILTER	EVERPURE / INSURICE						1/2"	
813	1	ICE MAKER	MANITOWOC	IY-0454A			1 1/2" TO FS		1/2"	Y
814	1	ICE BIN	MANITOWOC	B400			1 1/2" TO FS		3/4"	
820	1	GLASS WASHER	HOBART	LXE-PR SHORT			1 1/2" TO FS		3/4"	
821	1	WET WASTE STAND	PERLICK	TSD12HS			1 1/2" TO FS		1/2"	1/2"
824	2	COMBO ICE BIN	PERLICK	TSC36C-10			1 1/2" TO FS		1/2"	
825	2	SODA GUN	GENERIC				1 1/2" TO FS		1/2"	
827	1	HAND SINK	PERLICK	TS18SN			1 1/2" TO FS		1/2"	1/2"
828	1	BEER TOWER	GENERIC				1 1/2" TO FS			
829	1	DRAINBOARD CABINET	PERLICK	SC30			1 1/2" TO FS			
830	1	CORNER DRAINBOARD	PERLICK	TSF90TC			1 1/2" TO FS			
842	1	REFRIGERATION SYSTEM	BOHN / PER PLAN				1" TO FS			

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APR. 23, 2019

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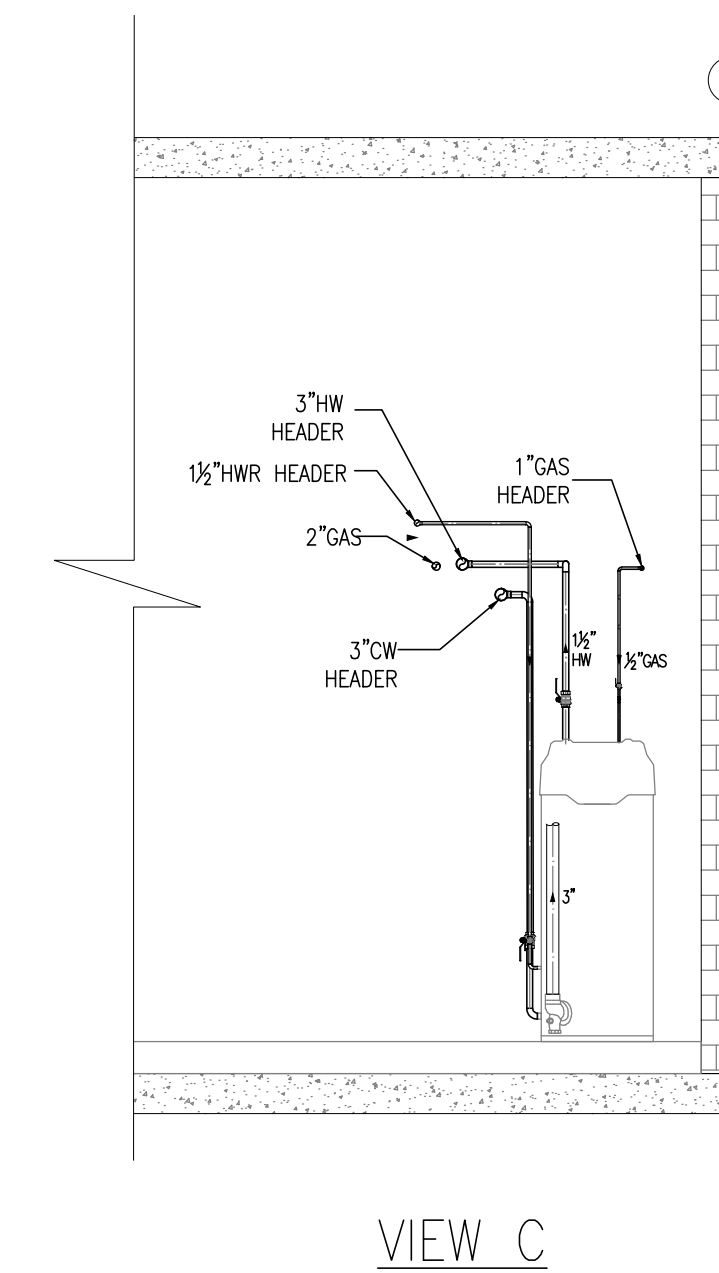
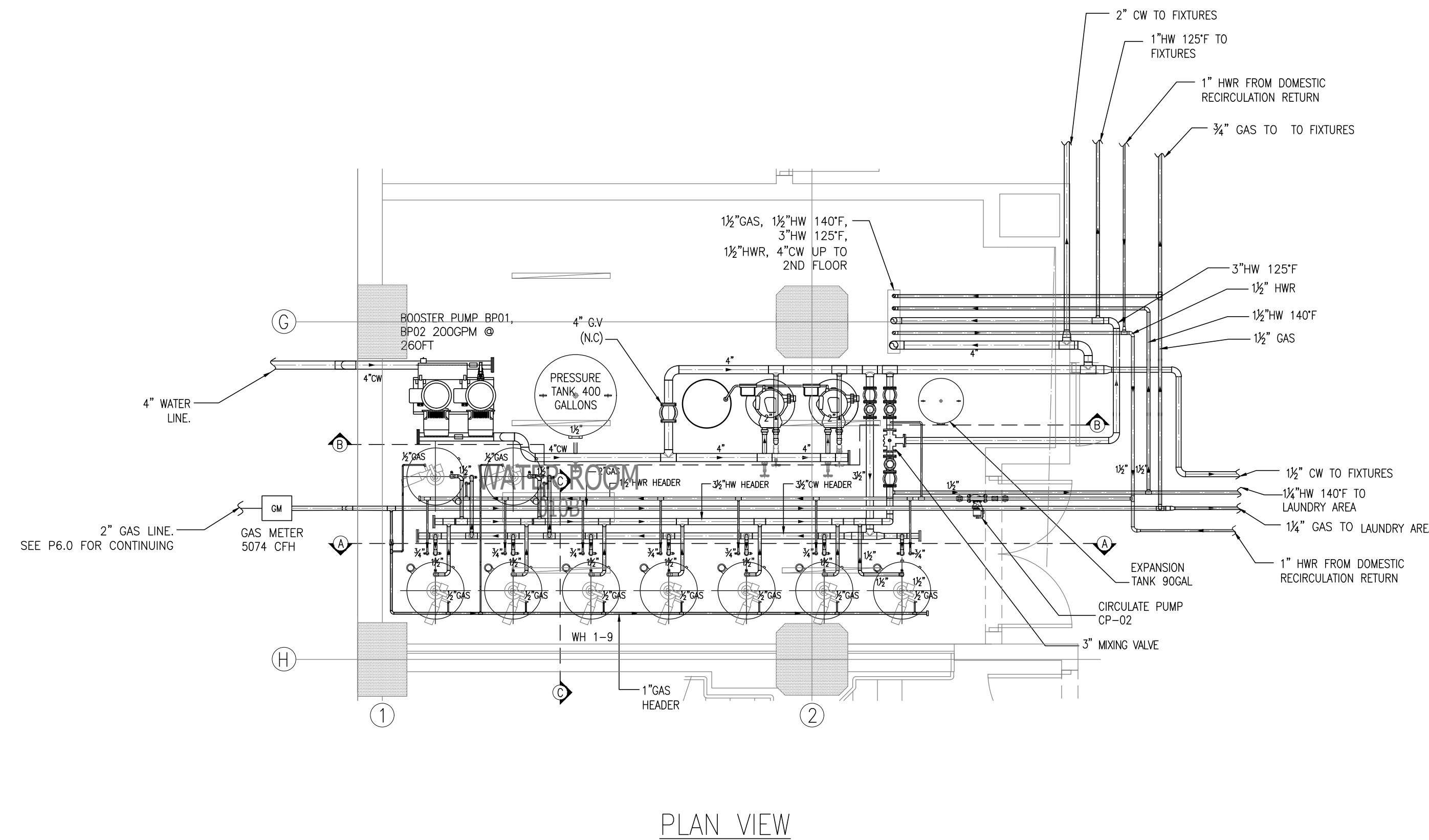
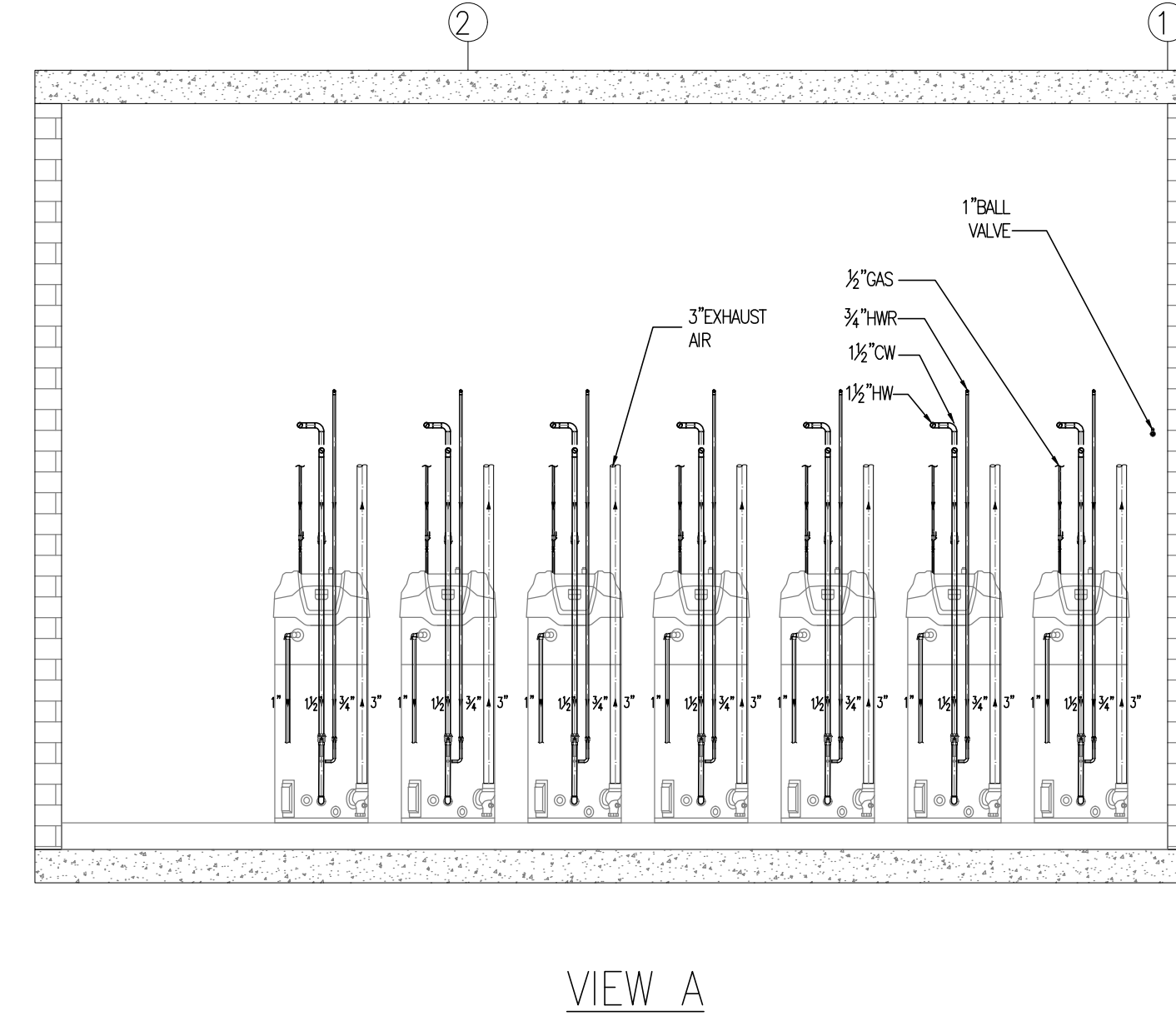
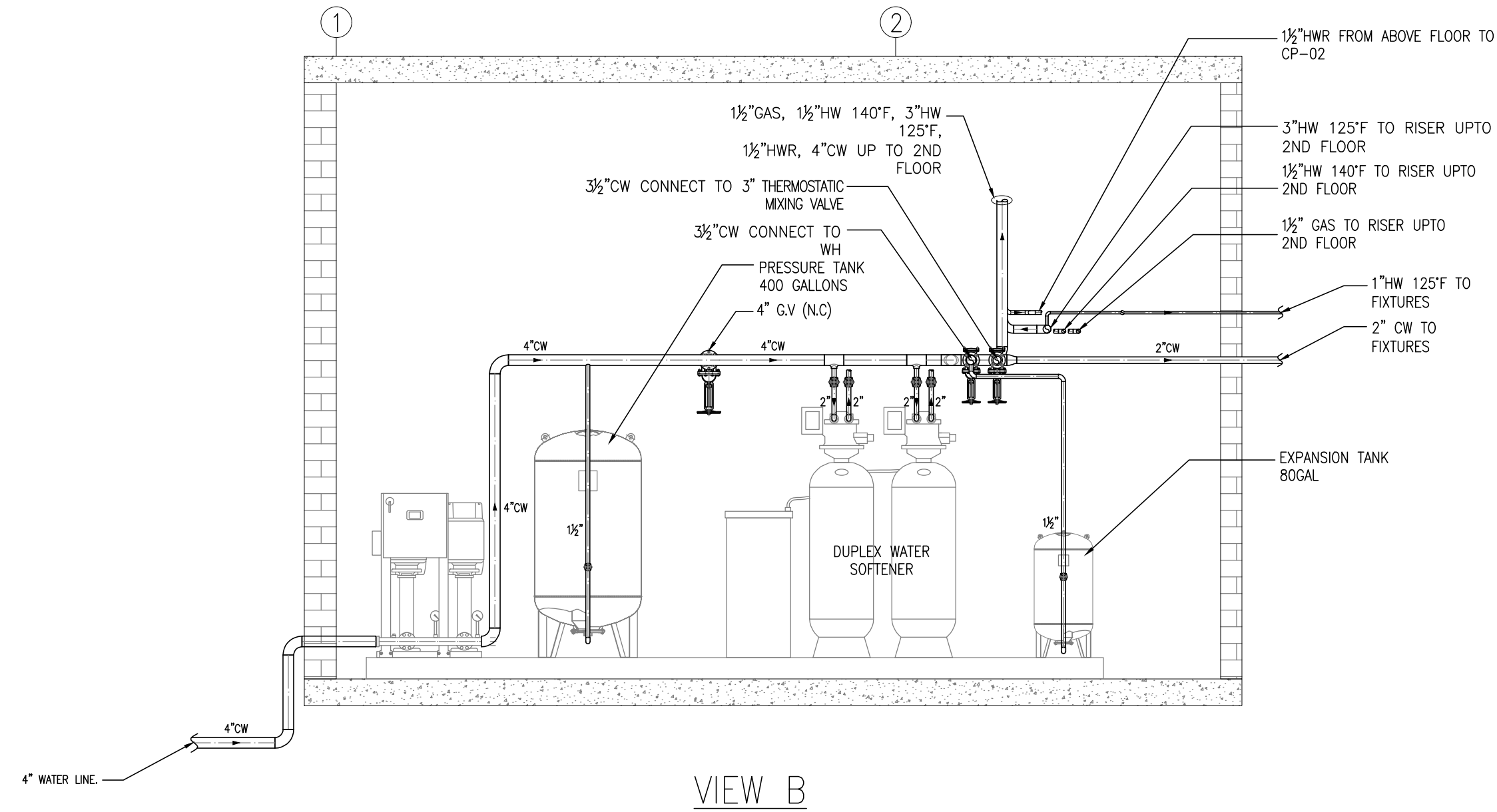
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ENLARGED
KITCHEN PLAN

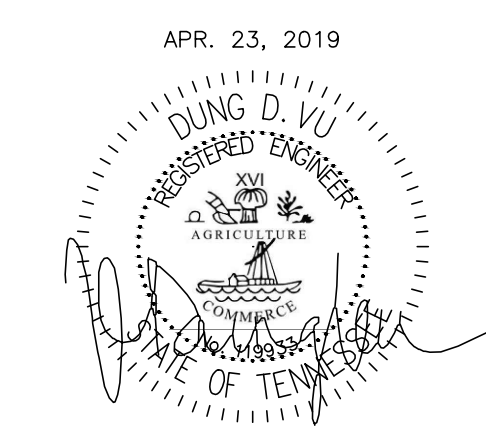
SHEET P7.8

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IF AWARDED A CONTRACT FOR ANY PORTION OF WORK NEEDED TO COMPLETE THIS PROJECT YOU ARE AGREEING TO THE FOLLOWING TERMS:
1. YOU ARE A QUALIFIED CONTRACTOR AND OR SUBCONTRACTOR SPECIFICALLY IN PROVIDING A COMPLETE TURNKEY SERVICE IN YOUR TRADE OR PROFESSION FOR THE TYPE OF WORK AND SCOPE FOR THIS PROJECT.
2. YOUR BID INCLUDED ALL THE STEPS, PROCESSES, MATERIALS, PRODUCTS, GOVERNING PERMITS AND APPROVALS NECESSARY TO PROVIDE A COMPLETED AND WARRANTED SYSTEM ON INSTALLATION THAT DOES NOT REQUIRE ANOTHER CONTRACTOR OR PRODUCT TO COMPLETE YOUR SCOPE OF WORK.
3. YOUR BID MUST HAVE INCLUDED ANY DESIGN INFORMATION REFERENCED WITHIN ANY CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND OR PLUMBING DRAWINGS; ALSO NOTE THESE DRAWINGS ARE SCHEMATIC AND ARE INTENDED TO SHOW ONLY BASIC CONCEPTS AND GENERAL INFORMATION THE COMPLETION OF YOUR WORK MAY INCLUDE OTHER STEPS, PROCESSES, MATERIALS, PRODUCTS, LABOR, GOVERNING PERMITS AND OR APPROVALS NECESSARY TO PROVIDE A COMPLETE SYSTEM INSTALLATION WHETHER SUGGESTED ON THE DRAWINGS OR NOT.
4. AS AN EXAMPLE ITEMS AND OR TASKS LIKE: FIRE CABLE, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DUMPSTERS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BACK TO THE CONTRACTOR AND OR SUBCONTRACTOR, AT THE OWNERS' DISCRETION.

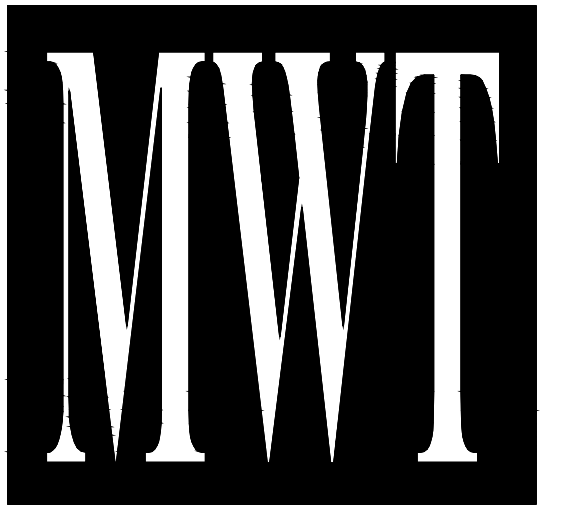
NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR DEMOLITION	06/09/17	PL
2	ISSUED TO FRANCHISE	06/09/17	PL
3	ISSUED FOR BID (ID ONLY)	07/21/17	PL
4	ISSUED TO FRANCHISE	08/17/17	PL
5	ISSUED FOR PERMIT	08/04/17	PL
6	FOR FINAL APPROVAL	10/02/17	PL
7	ISSUED FOR PERMIT	11/28/17	PL
8	ISSUED FOR PERMIT	02/21/18	PL
9	ISSUED FOR PERMIT	04/16/18	PL
10	ISSUED TO FRANCHISE	04/23/19	PL



1 ENLARGED WATER HEATER ROOM
SCALE: 1/4" = 1'-0"



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**ARCHITECTURE
URBAN PLANNING
INTERIORS**
HOTELS/ HOUSING/ MIXED USE
1800.630.3750
CA-SERVICES
ca@mwtusa.com / 1800.717.5816

WARNING
IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF THE ARCHITECT, TO ALTER OR REPRODUCE THESE DRAWINGS IN ANY WAY.

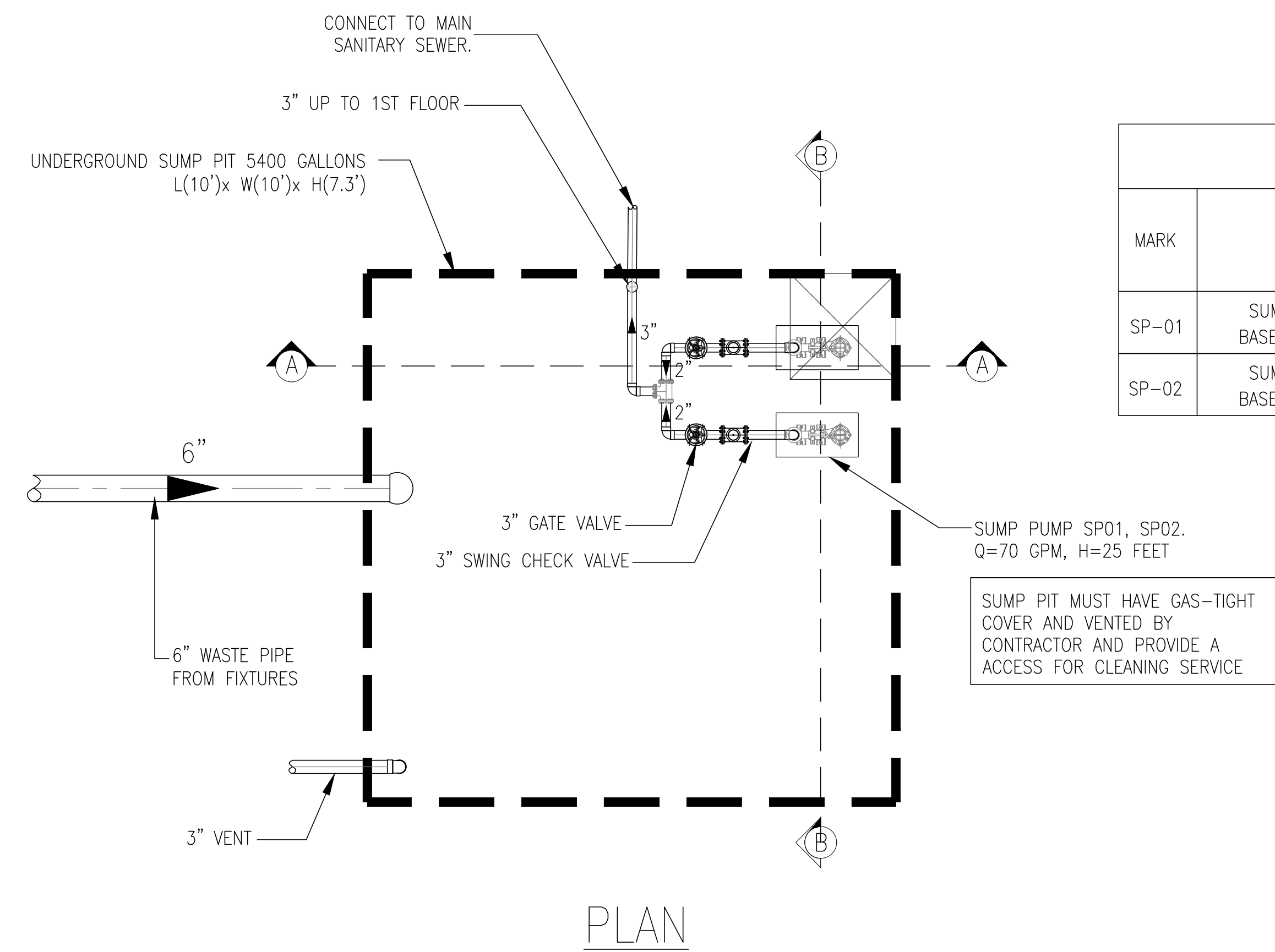
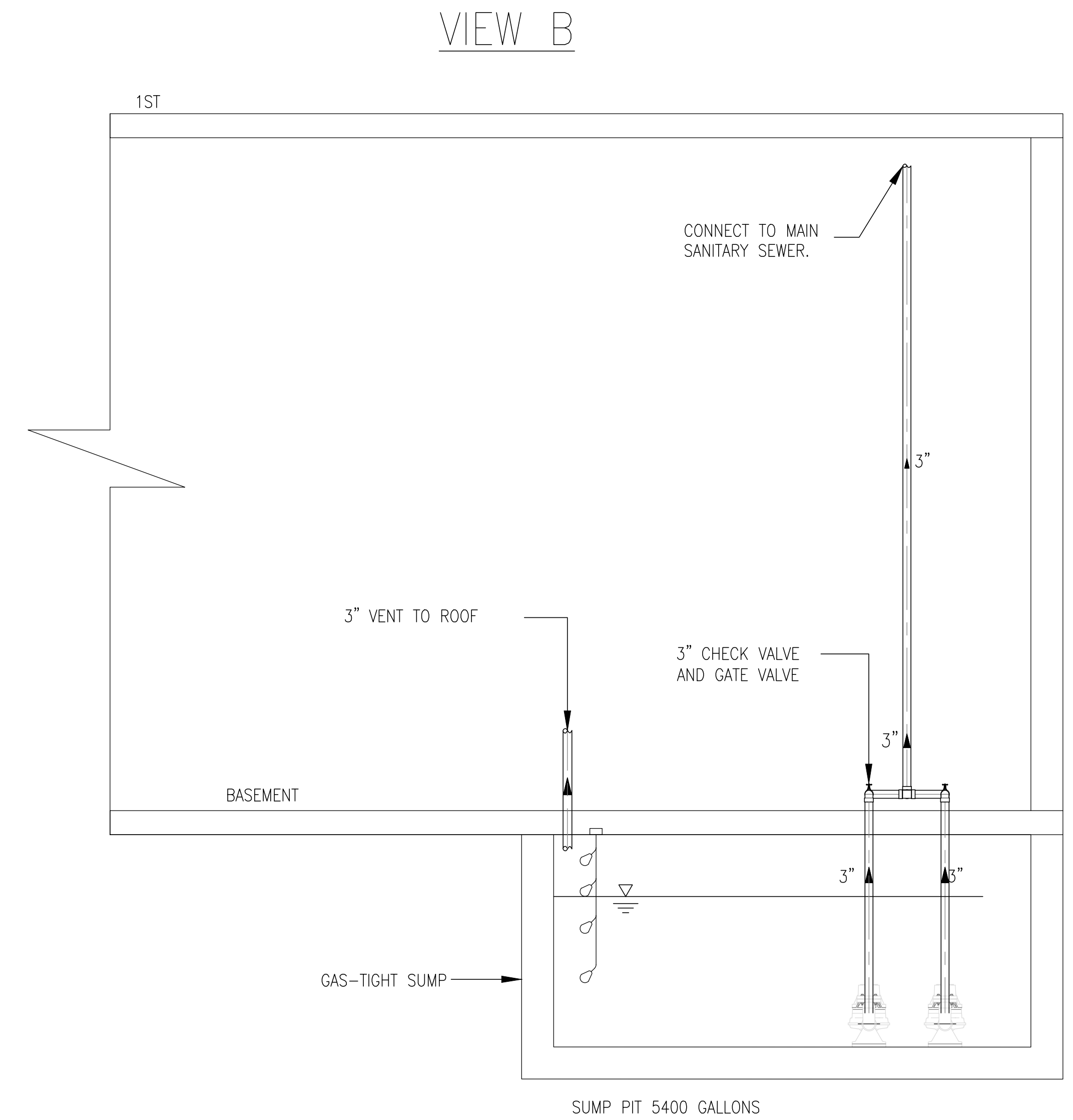
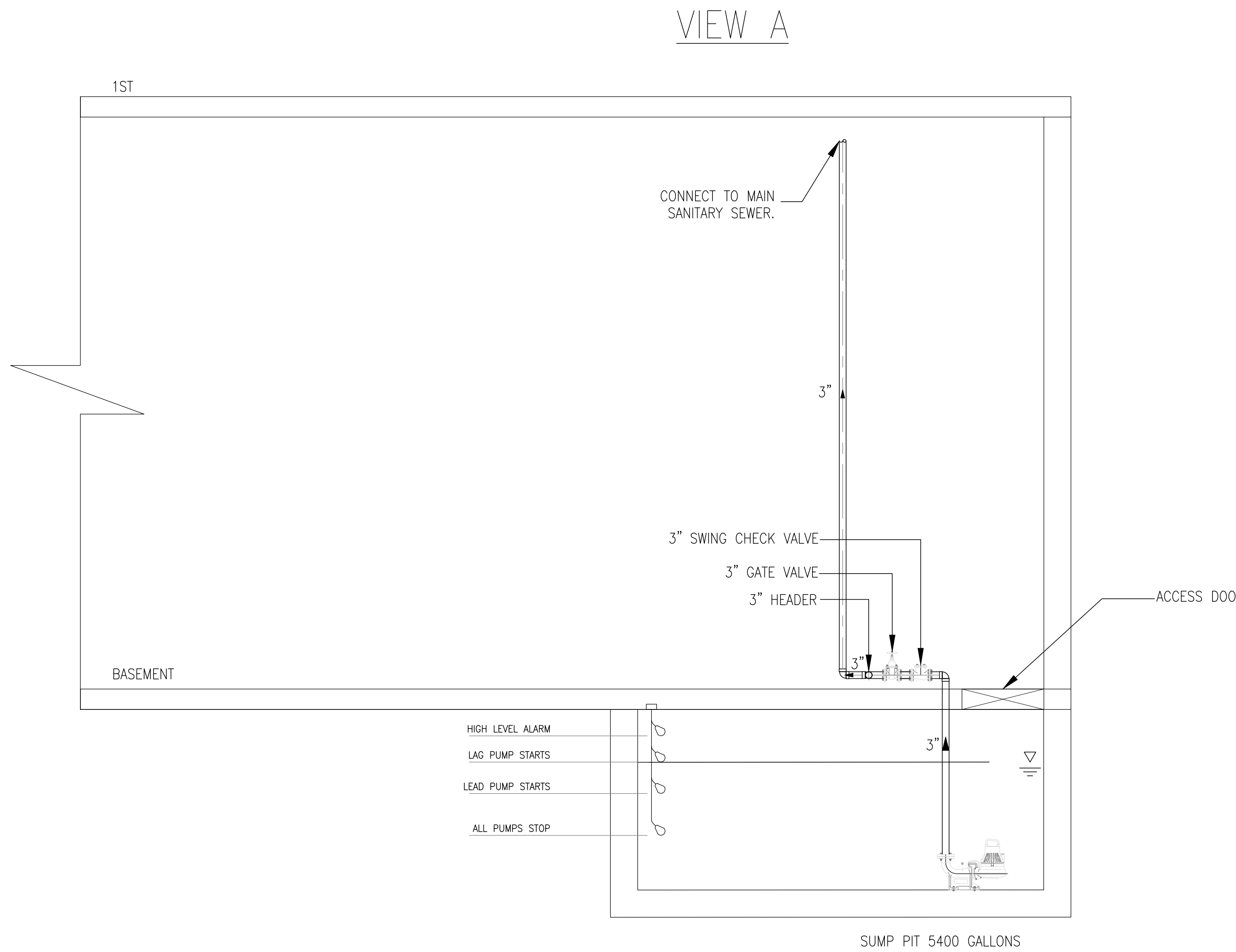
**ALOFT
MEMPHIS
DOWNTOWN**
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 07-21-2017
DRAWN BY: PL
CHKD. BY: DV

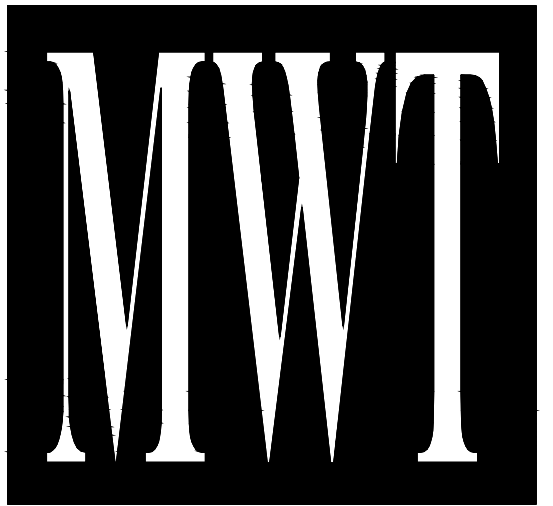
**ENLARGED WATER
HEATER ROOM**

SHEET **P8.0**

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1	ISSUED FOR DEMOLITION	06/09/17	PL
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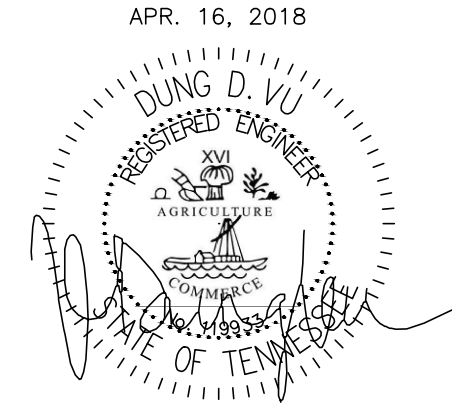


MARK	LOCATION	MANUFACTURER	MODEL	TYPE	GPM	HEAD (FT.)	MOTOR			CONNECTIONS	
							HP	RPM	VOLTAGE	SUCTION	DISCHARGE
SP-01	SUMP PIT 1 - BASEMENT FLOOR	ZOELLER	M292	SUBMERSIBLE	70	25	0.5	3450	115/1φ/60	N/A	2"
SP-02	SUMP PIT 1 - BASEMENT FLOOR	ZOELLER	M292	SUBMERSIBLE	70	25	0.5	3450	115/1φ/60	N/A	2"



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ALOFT
MEMPHIS
DOWNTOWN
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 07-21-2017
DRAWN BY: PL
CHKD. BY: DV

ENLARGED SUMP PIT
BASEMENT FLOOR

SHEET P8.1

1 ENLARGED SUMP PIT - BASEMENT FLOOR
SCALE: 1/2" = 1'-0"

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