

RUNCW25

SCO # 24-29053-02D

COMPLETE PACKAGE -
CONSTRUCTION
DOCUMENTS

01.15.2026

NO.	REASON	DATE

PRINCIPAL IN CHARGE
JAMES L. CURRIE, PE
PROJECT MANAGER
DAN KNOX, PE
DESIGN TEAM
REBECCA CLEWETT

UNIVERSITY OF NORTH
CAROLINA AT WILMINGTON
HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

514.23018.00

PLUMBING LEGEND,
SCHEDULES, & NOTES

P001

GENERAL NOTES

- ALL OPENINGS FOR PIPING PENETRATIONS ARE GENERALLY PROVIDED BY THE PLUMBING SUB-CONTRACTOR. EXCEPTIONS ARE COVERED BY NOTES AND DETAILS. THE LOCATION AND SIZE OF EACH OPENING SHALL BE FURNISHED TO THE GENERAL CONTRACTOR BY THE PLUMBING SUB-CONTRACTOR.
- PIPE HANGERS AND CONCRETE INSERTS UTILIZED FOR THIS PROJECT SHALL BE PROVIDED BY THE PLUMBING SUB-CONTRACTOR. THIS INCLUDES ALL SUPPLEMENTAL STEEL, ETC.
- UNLESS SPECIFICALLY APPROVED BY THE ARCHITECT, NO BURIED PIPING UNDER THE SLAB SHALL BE INSTALLED WITHIN THE FOOTING BEARING.
- SLEEVES FOR PIPING PASSING THROUGH BELOW SLAB FOUNDATION WALLS SHALL BE COORDINATED AND PROVIDED BY THE PLUMBING SUB-CONTRACTOR.
- ALL LINTELS REQUIRED IN MASONRY AND STUD WALLS FOR PIPING PENETRATIONS SHALL BE PROVIDED BY THE GENERAL CONTRACTOR.
- COORDINATE VERTICAL PIPING WITH ARCHITECTURAL PLANS FOR EXACT LOCATION OF RISER.
- UNLESS APPROVED BY THE ENGINEER, NO HORIZONTAL PIPING IN THE MECHANICAL ROOM, SHALL BE INSTALLED WITH A BOTTOM OF PIPE ELEVATION BELOW 8'-0" AFF.
- ALL BURIED PRESSURE PIPING SHALL BE A MINIMUM OF 24" BELOW FINISHED GRADE TO TOP OF PIPE.
- INSTALL ALL HANDICAP TOILET FLUSH VALVES ON THE WIDE SIDE OF THE TOILET.
- COORDINATE THE INVERT ELEVATIONS WITH THE SITE UTILITY DRAWINGS. THE INVERT INDICATED ON THE PLUMBING DRAWINGS IS THE MINIMUM INVERT TO EXIT THE BUILDING. THE PLUMBING SUB-CONTRACTOR SHALL COORDINATE, VERIFY AND PROVIDE THE INVERT ELEVATIONS ON THE COORDINATION DRAWINGS.
- THE PLUMBING SUB-CONTRACTOR IS REQUIRED TO COMPLETELY ROD AND FLUSH OUT ALL SANITARY, GREASE WASTE PIPING AFTER THE BUILDING IS COMPLETED.
- ALL PLUMBING VENTS SHALL BE INSTALLED AT A MINIMUM OF 15'-0" FROM ANY FRESH AIR INTAKES.
- REFER TO THE SPECIFICATIONS FOR WATER SUPPLY AND P-TRAP INSULATION REQUIRED FOR ALL EXPOSED ADA SINK AND LAVATORY LOCATIONS.
- PROVIDE GROUT AROUND WATER CLOSETS. CAULK IS NOT PERMITTED.
- PROVIDE CHROME ESCUTCHEON RINGS AT ALL EXPOSED CEILING AND WALL PENETRATIONS.
- ALL UNDERGROUND NON-METALLIC AND METALLIC PIPE MUST BE MARKED AND IDENTIFIED WITH TRACER WIRE TAPE. INSTALL TRACER WIRE A MINIMUM 18" ABOVE THE PIPE.
- ALL NATURAL GAS PIPING BY PLUMBING CONTRACTOR.
- PROVIDE LABEL ON CEILING GRID FOR ALL VALVE LOCATIONS. SEE SPECIFICATIONS FOR DETAILS. COORDINATE LABEL TYPE AND COLOR WITH ARCHITECT.
- A DRIP PAN SHALL BE INSTALLED UNDER PIPING WHERE PIPING RUNS OVER A CABLE TRAY.
- SEE STRUCTURAL PLANS FOR SEISMIC DESIGN CATEGORY. PROVIDE BRACING PER ASCE 7.
- WHERE DEVICES ARE TO BE CONCEALED IN WALLS OR ABOVE NON-REMOVABLE CEILINGS, THE PLUMBING CONTRACTOR SHALL FURNISH THE REQUIRED ACCESS PANELS TO THE GC FOR INSTALLATION FOR THEIR RESPECTIVE EQUIPMENT. PANELS SHALL BE 12" X 12" SQUARE FOR ALL WALL PANELS AND 24" X 24" FOR CEILING PANELS.
- PROVIDE A WALL CLEANOUT AT THE BASE OF ALL WASTE AND STORM RISERS. PROVIDE A WALL CLEANOUT AT THE BASE OF ALL VENT VERTICAL PIPING THAT CONNECTS TO THE TOP OF THE WASTE PIPE.

BUILDING LOADS

NATURAL GAS: 4388MBH CFH AT 2 PSI.
DOMESTIC WATER: 335 ANTICIPATED GPM DEMAND.
SANITARY: 1124 ANTICIPATED DRAINAGE FIXTURE UNITS.
STORM: MULTIPLE OUTLETS (SEE PLANS)

PLUMBING LEGEND

SYMBOL	DESCRIPTION
— CW —	COLD WATER
— HW —	HOT WATER - 120"
— HWR —	110" HOT WATER RECIRCULATION
— SAN —	VENT
— G —	SANITARY SEWER
— F —	NATURAL GAS
→	FLOW ARROW
+	WALL HYDRANT/HOSE BIBB
⊥	SHUT-OFF VALVE
⊥	HWR CIRCUIT SETTER OR GAS COCK
⊥	CHECK VALVE
EQ	WALL CLEANOUT
EQ	FLOOR CLEANOUT
EQ	CLEANOUT TO GRADE
VTR	VENT THRU ROOF
AVTR	ACID VENT THRU ROOF
↑	DROP OR RISE
⊥	CAPPED CONNECTION
FD	FLOOR DRAIN
⊥	VALVE IN RISER DETAIL
8	SYMBOL INDICATING THE DETAIL NUMBER AND THE DETAIL LOCATION SHEET REFERENCE
PO.04	
○	BALL VALVE
⊥	SOLENOID VALVE
CW	COLD WATER
HW	HOT WATER
BFF	BELOW FINISHED FLOOR
AFF	ABOVE FINISHED FLOOR
WHA	WATER HAMMER ARRESTOR
FD	FLOOR DRAIN
DN	DOWN
⊥	GLOBE VALVE
⊥	PRESSURE REDUCING VALVE
PRD	PRIMARY ROOF DRAINAGE PIPING
ORD	OVERFLOW ROOF DRAINAGE PIPING
PD	PUMPED DISCHARGE
○	LIMIT OF DEMOLITION
○	POINT OF CONNECTION

NOTE: NOT ALL SYMBOLS MAY BE APPLICABLE TO THIS PROJECT.

MARK	DESCRIPTION	ROUGH-IN SIZE			BASIS OF DESIGN:	REMARKS:	
		HW	CW	WASTE			VENT
P-1	WATER CLOSET - FLOOR MOUNT	-	1"	4"	2"	WATER CLOSET: AMERICAN STANDARD 3641.001 FLUSH VALVE: SLOAN REGAL 111-1-28	MANUAL FLUSH VALVE, 1.28 GPF; PROVIDE WITH SLOAN VBF-72-A TRAP PRIMER ASSEMBLY
P-1A	WATER CLOSET - ADA COMPLIANT, FLOOR MOUNT	-	1"	4"	2"	WATER CLOSET: AMERICAN STANDARD 3641.001 FLUSH VALVE: SLOAN REGAL 111-1-28	MANUAL FLUSH VALVE, 1.28 GPF; PROVIDE WITH SLOAN VBF-72-A TRAP PRIMER ASSEMBLY
P-2	LAVATORY: UNDERMOUNT	1/2"	1/2"	4"	2"	LAVATORY: AMERICAN STANDARD 0496.221 FAUCET: DELTA 22C151	PROVIDE WITH CALEFFI SERIES 5212 MIXING VALVE, 0.5 GPM FAUCET, WHITE VITREOUS CHINA.
P-2A	LAVATORY: ADA-COMPLIANT, WALL HUNG, CAST IRON	1/2"	1/2"	2"	2"	LAVATORY: AMERICAN STANDARD DECORUM 9134001EC FAUCET: DELTA 22C151	PROVIDE WITH CALEFFI SERIES 5212 MIXING VALVE, 0.5 GPM FAUCET, WHITE VITREOUS CHINA. MOUNT AT ADA HEIGHT FOR LOCATIONS INDICATED ON ARCHITECTURAL PLANS.
P-3	SHOWER: 36"x36", 2 PIECE	1/2"	1/2"	2"	2"	SHOWER: COMFORT DESIGNS XSS 3636 SH LF 3.5 FAUCET: DELTA T13H132	SHOWER DRAIN: WATTS SD-2NH
P-3A	SHOWER: 1 PIECE, ADA-COMPLIANT	1/2"	1/2"	2"	2"	SHOWER: COMFORT DESIGNS XST 3838 BF RRF 1.0 RRF FAUCET: DELTA T13H332-25C	SHOWER DRAIN: WATTS SD-2NH PROVIDE WITH SEAT AND GRAB BARS
P-3B	SHOWER: 2 PIECE, ADA-COMPLIANT, 36"x60"	1/2"	1/2"	2"	2"	SHOWER: COMFORT DESIGNS XST 6334 BF .75 FAUCET: DELTA T13H332-25C	SHOWER DRAIN: WATTS SD-2NH PROVIDE WITH SEAT AND GRAB BARS.
P-4	BREAKROOM SINK ONE COMPARTMENT SS UNDERMOUNT ADA	1/2"	1/2"	2"	2"	SINK: ELKAY ECTSRAD252260 FAUCET: DELTA 1959LF	PROVIDE WITH LKDD DRAIN, BOTTOM GRID, AND FILTERED FAUCET
P-4B	LAUNDRY SINK ONE COMPARTMENT SS UNDERMOUNT ADA	1/2"	1/2"	2"	2"	SINK: ELKAY EFRU21510T FAUCET: ELKAY LKDV2085131C	PROVIDE WITH LKDD DRAIN, BOTTOM GRID, AND FILTERED FAUCET
P-5	ELECTRIC WATER COOLER - ADA COMPLIANT	-	1/2"	2"	2"	BASIS OF DESIGN: ELKAY MODEL LZ2SL8WSBPRO	PROVIDE WITH MOUNTING FRAME ELKAY MODEL MWS-100
P-6	MOP BASIN: FLOOR MOUNTED, 24x24, 3" STRAINER	3/4"	3/4"	3"	2"	SINK: FIAT TS8100 FAUCET: FIAT 830AA000	PROVIDE WITH HOSE AND HOSE BRACKET MODEL 832AA, SS WALL GUARDS MODEL MSG, AND SS STRAINER MODEL 1453BB. PROVIDE CHECK VALVES ON CW & HW SUPPLY LINES.
P-7	HOSE BIB: INTERIOR, CHROME	-	1/2"	-	-	BASIS OF DESIGN: WATTS MODEL SC8-3	REMOVE HAND WHEEL FOR MAINTENANCE USE
P-7A	WALL HYDRANT: EXTERIOR, FREEZE-PROOF	-	3/4"	-	-	BASIS OF DESIGN: WATTS MODEL HY-725	PROVIDE WITH STANDARD SQUARE BOX
P-7B	ROOF HYDRANT: EXTERIOR, FREEZE-PROOF	-	3/4"	-	-	BASIS OF DESIGN: WOODFORD SRH-M5	
P-8	ICE MAKER BOX, BELOW COUNTER, INLINE COMPLIANT BACKFLOW ON SUPPLY	-	1/2"	-	-	BASIS OF DESIGN: SIOUX CHIEF 696-G1010	PROVIDE SECONDARY DRAIN BOX. FOR RATED WALLS PROVIDE 696-RG1010 ICE MAKER BOX AND FIRE RATED SECONDARY DRAIN BOX.
P-9	WASHER SUPPLY BOX: RECESSED	-	1/2"	-	-	BASIS OF DESIGN: SIOUX CHIEF 696-G2413	TOP OF WASHER BOX TO BE AT 36" AFF.
DN-1	DOWNSPOUT NOZZLE	-	-	-	-	BASIS OF DESIGN: ZURN Z199-DC	MATCH PIPE SIZE
FD-1	FLOOR DRAIN: TOILET ROOMS	-	-	3"	2"	BASIS OF DESIGN: WATTS MODEL FD-100-B	PROVIDE WITH 6" NICKEL BRONZE STRAINER
FD-2	FLOOR DRAIN: MECH. ROOM, DEEP SEAL TRAP	-	-	3"	2"	BASIS OF DESIGN: WATTS MODEL ES-WD-FD-320-5	PROVIDE WITH 8" NICKEL BRONZE STRAINER
FD-3	FLOOR DRAIN: LAUNDRY ROOMS, DEEP SEAL TRAP	-	-	SEE PLANS	2"	BASIS OF DESIGN: WATTS MODEL FD-1100-B	PROVIDE WITH 7" NICKEL BRONZE STRAINER
FS-1	FLOOR SINK: KITCHEN, PROVIDE WITH HALF-GRATE	-	-	3"	2"	BASIS OF DESIGN: WATTS MODEL FS-790	
WCO	WALL CLEAN OUT	-	-	-	-	BASIS OF DESIGN: WATTS MODEL CO-450-RD	MATCH PIPE SIZE
FCO	FLOOR CLEAN OUT	-	-	-	-	BASIS OF DESIGN: WATTS MODEL CO-200	MATCH PIPE SIZE
PRD-1	PRIMARY ROOF DRAIN	-	-	-	-	BASIS OF DESIGN: ZURN Z100F	SEE FLOOR PLANS FOR SIZE
ORD-1	OVERFLOW ROOF DRAIN	-	-	-	-	BASIS OF DESIGN: ZURN Z100F89	SEE FLOOR PLANS FOR SIZE

REMARKS

- ACCEPTABLE MANUFACTURERS: KOHLER, ZURN, BRADLEY
- PROVIDE FLOOR DRAINS WITH SURE SEAL MODEL SS3009V OR EQUAL
- PROVIDE ALL FLOOR SINKS WITH 1/2 GRATES
- SEE FLOOR PLANS FOR SIZE OF FLOOR DRAINS AND ROOF DRAINS.
- PROVIDE ALL SINKS AND LAVATORIES WITH ADA PIPE COVERS.
- PROVIDE ALL SINKS WITH P-TRAPS, SUPPLIES, AND STOPS.

WATER HEATER SCHEDULE - GAS

MARK	MANUFACTURER	MODEL #	SERVICE	RECOVERY @ 100°F RISE (GPH)	NATURAL GAS INPUT (MBH)	ALLOWABLE GAS PRESSURE RANGE (" WC)	VOLTAGE (V)	PHASE (Ph)	REMARKS
GWH-1-12	NAVIENT	NPE-240A	DOMESTIC HOT WATER	234	199.0	-0.03 " to -0.96 "	120 V	1	ALL

REMARKS

- ACCEPTABLE MANUFACTURERS: SEE SPECIFICATIONS
- INSTANTANEOUS, CONDENSING TYPE, GAS-FIRED WATER HEATER, 96% EFFICIENT
- PROVIDE WITH RACK MOUNT AND APPROPRIATE MANIFOLD SYSTEM FROM MANUFACTURER.
- FURNISH WITH CONDENSATE NEUTRALIZATION KIT
- INTEGRATE THE WATER HEATERS WITH THE CAMPUS BAS SYSTEM.
- COORDINATE DRAIN LOCATION WITH ARCHITECT.
- SET OUTLET TEMPERATURE TO 120°F.

PUMP SCHEDULE - DOMESTIC HOT WATER RECIRCULATION

MARK	MANUFACTURER	MODEL	SERVICE	GPM	PUMP HEAD (FT)	MOTOR (HP)	VOLTAGE (V)	PHASE (Ph)	REMARKS
RP-1	B&G	PL-36	DHW	20	15	0.167	115 V	1	ALL

REMARKS

- ACCEPTABLE MANUFACTURERS: SEE SPECIFICATIONS.
- FURNISH WITH ELECTRICAL DISCONNECT.
- PROVIDE WITH FULLY ADJUSTABLE AQUASTAT CONTROL.

BACKFLOW PREVENTOR SCHEDULE

TAG	SERVICE	MANUFACTURER	MODEL	DESCRIPTION	NOTES
RPZ-1	DOMESTIC WATER	WATTS	LF909 LARGE	REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY WITH TWO INDEPENDENTLY OPERATING, SPRING LOADED, "Y" PATTERN CHECK VALVES AND ONE HYDRAULICALLY DEPENDENT DIFFERENTIAL RELIEF VALVE. PROVIDE WITH AIR GAP DRAIN FITTING.	ALL
RPZ-2	MECHANICAL FILL LINE	WATTS	LF909 SMALL	REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY WITH TWO INDEPENDENTLY OPERATING, SPRING LOADED, "Y" PATTERN CHECK VALVES AND ONE HYDRAULICALLY DEPENDENT DIFFERENTIAL RELIEF VALVE. PROVIDE WITH AIR GAP DRAIN FITTING.	ALL

REMARKS

- ACCEPTABLE MANUFACTURERS: ZURN, FEBCO, AMES

SUMP PUMP SCHEDULE

TAG	SERVICE	MANUFACTURER AND MODEL	FLOW (GPM)	FT. OF HEAD	HP	VOLTS/PHASE	RPM	NOTES
SP-1	ELEVATOR PIT	LIBERTY MODEL FL51M	50	20	1/2	120/1	3500	ALL
SP-2	ELEVATOR PIT	LIBERTY MODEL FL51M	50	20	1/2	120/1	3500	ALL

REMARKS

- PROVIDE WITH SUMP PUMP CONTROL PANEL.
- DRAIN INDIRECTLY TO LOCATIONS SHOWN ON PLAN.
- ACCEPTABLE MANUFACTURERS: ZOELLER, MYERS, GOULDS

LINT INTERCEPTOR SCHEDULE

SYMBOL	LOCATION	LIQUID CAPACITY (GAL)	MANUFACTURER	MODEL	NOTES
LI-1	OUTSIDE MENS 1215	100	MIFAB	MI-LINT-3-HD-VC	ALL
LI-2	OUTSIDE WOMENS 1207	100	MIFAB	MI-LINT-3-HD-VC	ALL

REMARKS

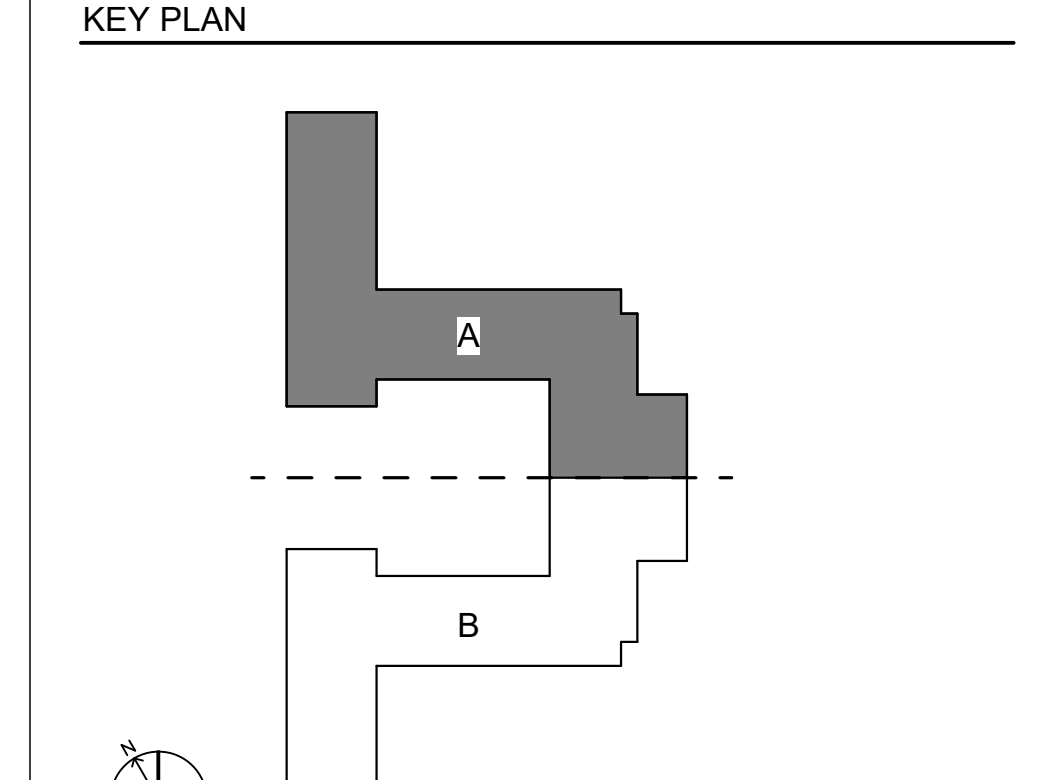
- INTERCEPTOR SHALL BE RATED FOR PLENUM INSTALLATION.
- PROVIDE WALL ACCESS PANEL FOR MAINTENANCE AND CLEANING.
- ORDER WITH 4" INLET/OUTLETS
- ALTERNATIVE MANUFACTURERS: ZURN, MIFAB, J.R. SMITH

SHEET KEYED NOTES
P-02 2-1/2" CW UP, 2" HW UP, AND 3/4" HWR DOWN FROM ABOVE.
P-03 1/2" CW AND 1/2" HW UP TO SERVE SINK IN LAUNDRY ROOM. SHUT OFF VALVES TO BE LOCATED IN CASE WORK ABOVE.

- GENERAL NOTES - PLUMBING**
- PLUMBING PIPING SHOWN IS DIAGRAMMATIC AND MAY NOT NECESSARILY DEPICT THE ACTUAL INSTALLATION DURING CONSTRUCTION.
 - REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING HEIGHTS. NOT ALL OFFSETS ARE SHOWN TO ACCOMMODATE CHANGES IN CEILING HEIGHTS. COORDINATE WORK AND OFFSET PIPING AS REQUIRED.
 - COORDINATE THE INSTALLATION OF THE PLUMBING SYSTEM WITH THE STRUCTURE, DUCTWORK, SPRINKLER PIPING, LIGHTING, ETC. PRIOR TO INSTALLATION. REFER TO THE SPECIFICATIONS FOR COORDINATION DRAWING REQUIREMENTS.
 - ALL VENT-THRU-ROOF PENETRATIONS ARE TO BE INSTALLED A MINIMUM OF 10'-0" FROM ANY BUILDING INTAKE.
 - INSULATE ROOF DRAIN SUMPS AND HORIZONTAL STORM DRAIN PIPING. INSULATION SHALL TERMINATE A MINIMUM OF 24-INCHES BEYOND THE TRANSITION TO THE VERTICAL CONDUCTOR.

RATED WALLS AND PARTITIONS

FIRE BARRIERS	FIRE PARTITIONS
2-HR FIRE BARRIER 	1-HR FIRE PARTITION
1-HR FIRE BARRIER 	5-HR FIRE PARTITION



NOT TO SCALE

SCO # 24-29053-02D
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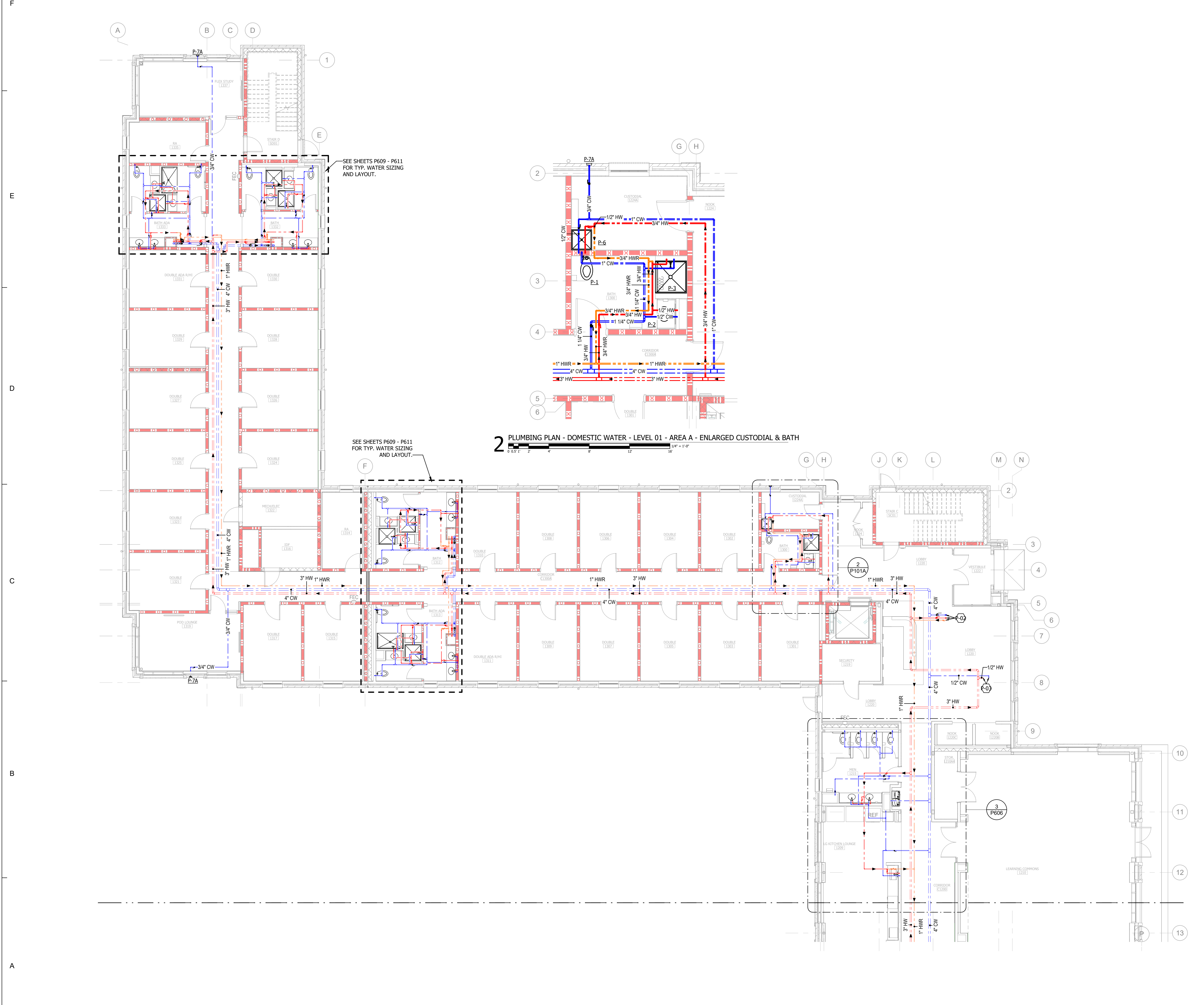
UNIVERSITY OF NORTH CAROLINA AT WILMINGTON HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

PROJECT NO: 514.23018.00

SHEET TITLE: PLUMBING DOMESTIC WATER PLAN - LEVEL 01 - AREA A

SHEET NUMBER: P101A



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PROJECT TEAM
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DESIGN TEAM
REBECCA CLEWETT

UNIVERSITY OF NORTH CAROLINA AT WILMINGTON HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

PROJECT NO.
514.23018.00

SHEET TITLE
PLUMBING DOMESTIC WATER & GAS PLAN - LEVEL 01 - AREA B

SHEET NUMBER
P101B

- SHEET KEYED NOTES**
- P-01 4" CW LINE. SEE SITE CIVIL FOR CONTINUATION.
 - P-02 2-1/2" CW UP, 2" HW UP, AND 3/4" HWR DOWN FROM ABOVE.
 - P-04 EMERGENCY GAS SHUT OFF BUTTON, TIED TO THE GAS SOLENOID VALVE. COORDINATE EXACT LOCATION PRIOR TO INSTALLATION.
 - P-05 COMPOUND WATER METER TO BE NEPTUNE OR EQUAL.
 - P-06 REFER TO M101B FOR BOILER FLUES AND INTAKE AIR LOCATIONS.
 - P-07 1" GAS LINE DOWN TO GAS MANIFOLD TO SERVE EACH GAS WATER HEATER. PROVIDE VENTLESS GAS REGULATOR AND SHUT OFF VALVE FOR EACH GAS WATER HEATER IN ACCESSIBLE LOCATION.
 - P-08 1-1/4" CW ROUTED, MINIMUM 3" UNDERGROUND AND TO CT-1. SEE SHEET M012 FOR CONTINUATION.
 - P-09 APPROXIMATE LOCATION OF NEW GAS METER AND REGULATOR. METER AND REGULATOR TO BE SET BY LOCAL GAS COMPANY. GAS PRESSURE TO SERVE BUILDING TO BE 2PSI.
 - P-10 SOLENOID VALVE INTERLOCKED WITH EMERGENCY GAS SHUTDOWN BUTTON.
 - P-11 1/2" G LINE (650MBH) DOWN TO BOILER. PROVIDE VENTLESS GAS REGULATOR AND SHUTOFF VALVE IN ACCESSIBLE LOCATION.
 - P-12 4" CW & 3" HW CARPED FOR FUTURE.
 - P-13 3" CW UP, 2" HW UP, AND 3/4" HWR DOWN FROM ABOVE.

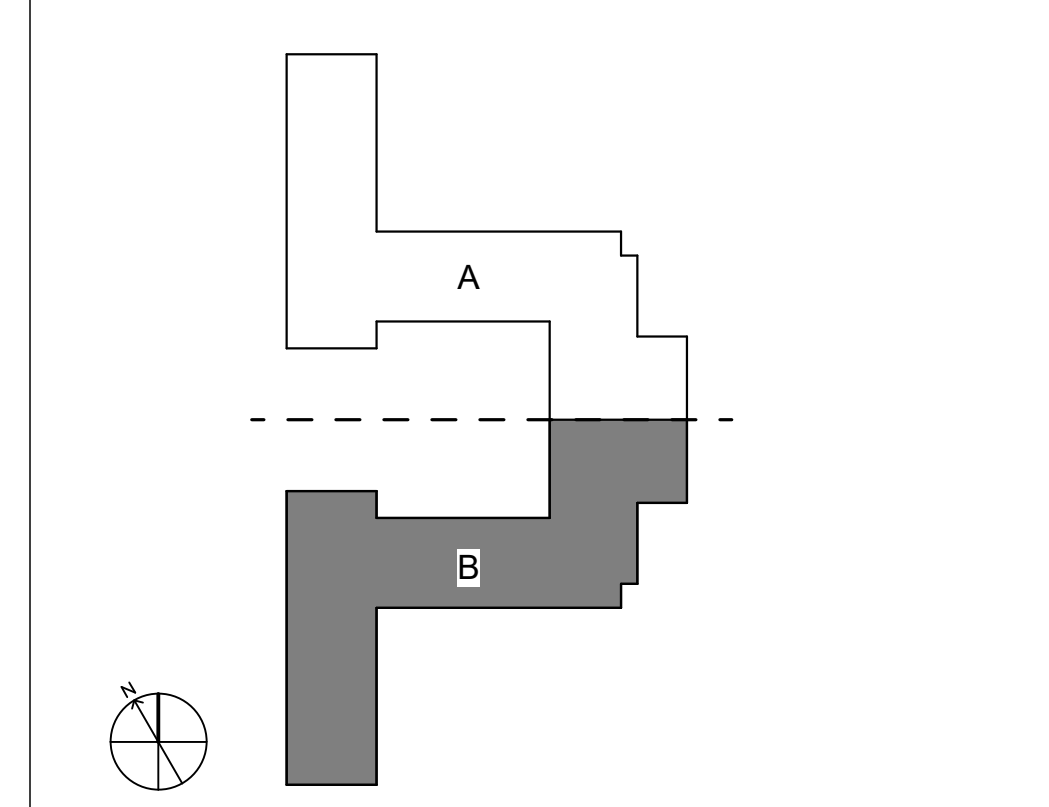
GENERAL NOTES - PLUMBING

1. PLUMBING PIPING SHOWN IS DIAGRAMMATIC AND MAY NOT NECESSARILY DEPICT THE ACTUAL INSTALLATION DURING CONSTRUCTION.
2. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING HEIGHTS. NOT ALL OFFSETS ARE SHOWN TO ACCOMMODATE CHANGES IN CEILING HEIGHTS. COORDINATE WORK AND OFFSET PIPING AS REQUIRED.
3. COORDINATE THE INSTALLATION OF THE PLUMBING SYSTEM WITH THE STRUCTURE, DUCTWORK, SPRINKLER PIPING, LIGHTING, ETC. PRIOR TO INSTALLATION. REFER TO THE SPECIFICATIONS FOR COORDINATION DRAWING REQUIREMENTS.
4. ALL VENT-THRU-ROOF PENETRATIONS ARE TO BE INSTALLED A MINIMUM OF 10'-0" FROM ANY BUILDING INTAKE.
5. INSULATE ROOF DRAIN SUMPS AND HORIZONTAL STORM DRAIN PIPING. INSULATION SHALL TERMINATE A MINIMUM OF 24-INCHES BEYOND THE TRANSITION TO THE VERTICAL CONDUCTOR.

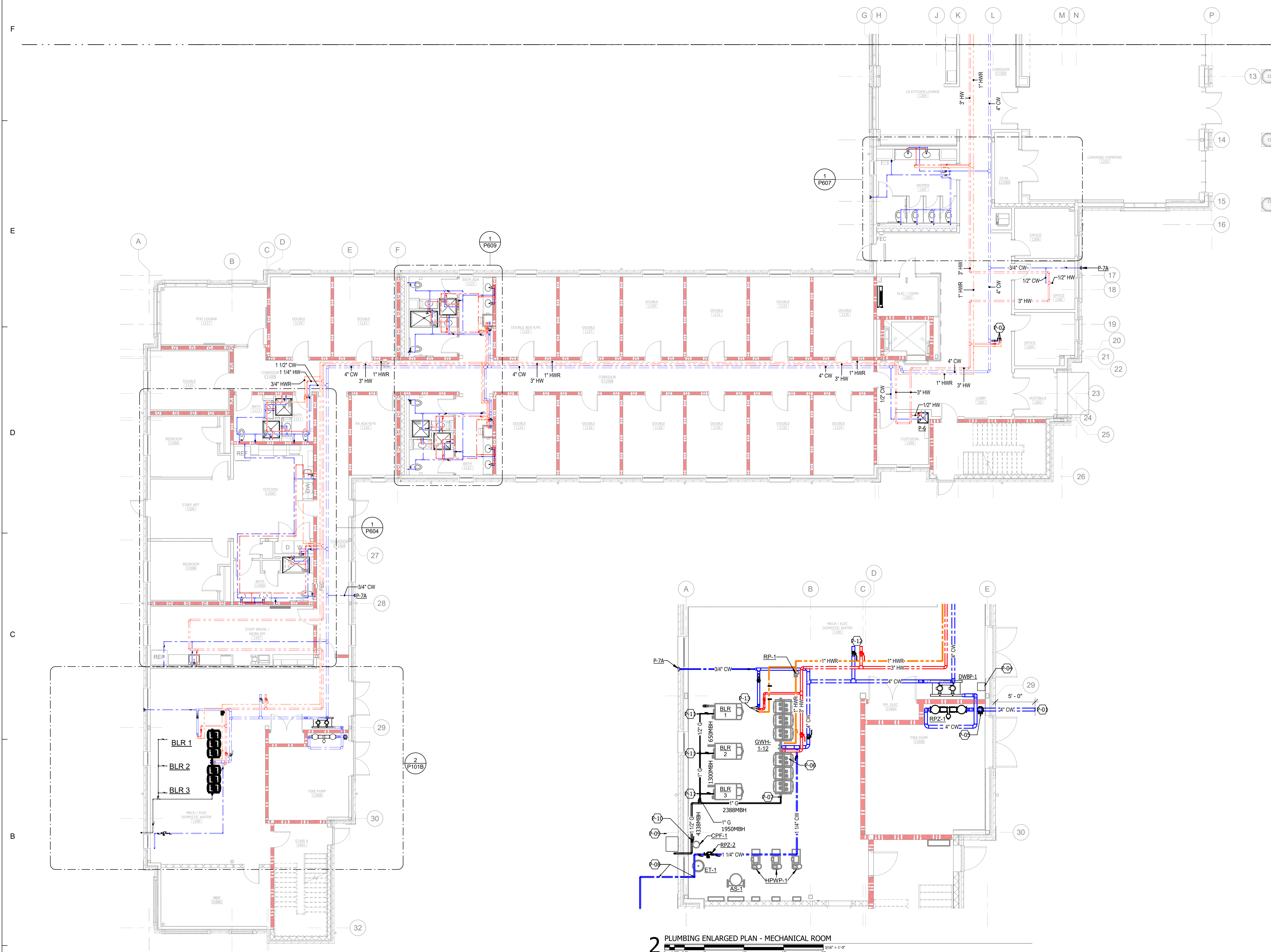
RATED WALLS AND PARTITIONS

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2-HR FIRE BARRIER	1-HR FIRE PARTITION
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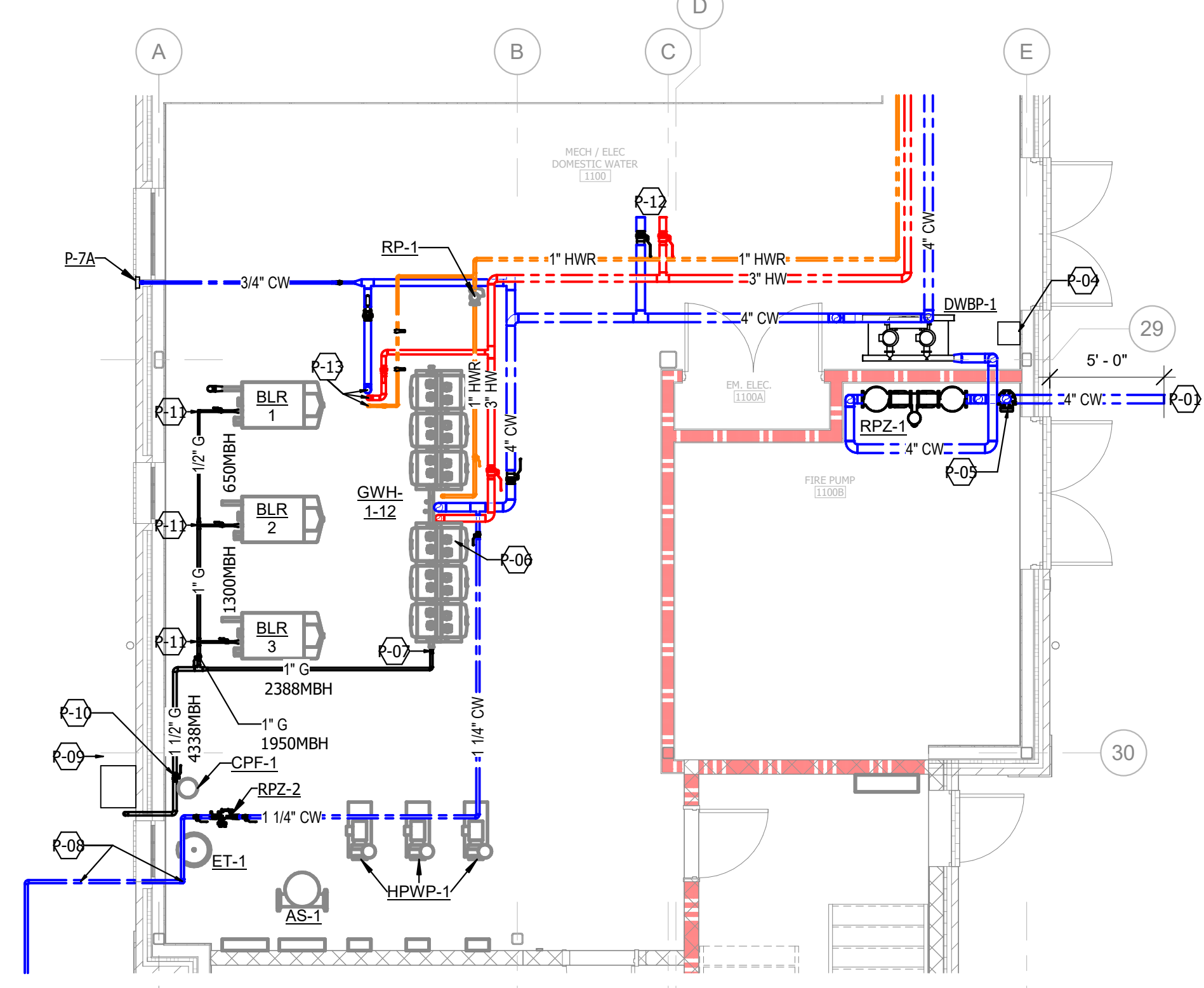
KEY PLAN



NOT TO SCALE



1 PLUMBING PLAN - DOMESTIC WATER & GAS - LEVEL 01 - AREA B

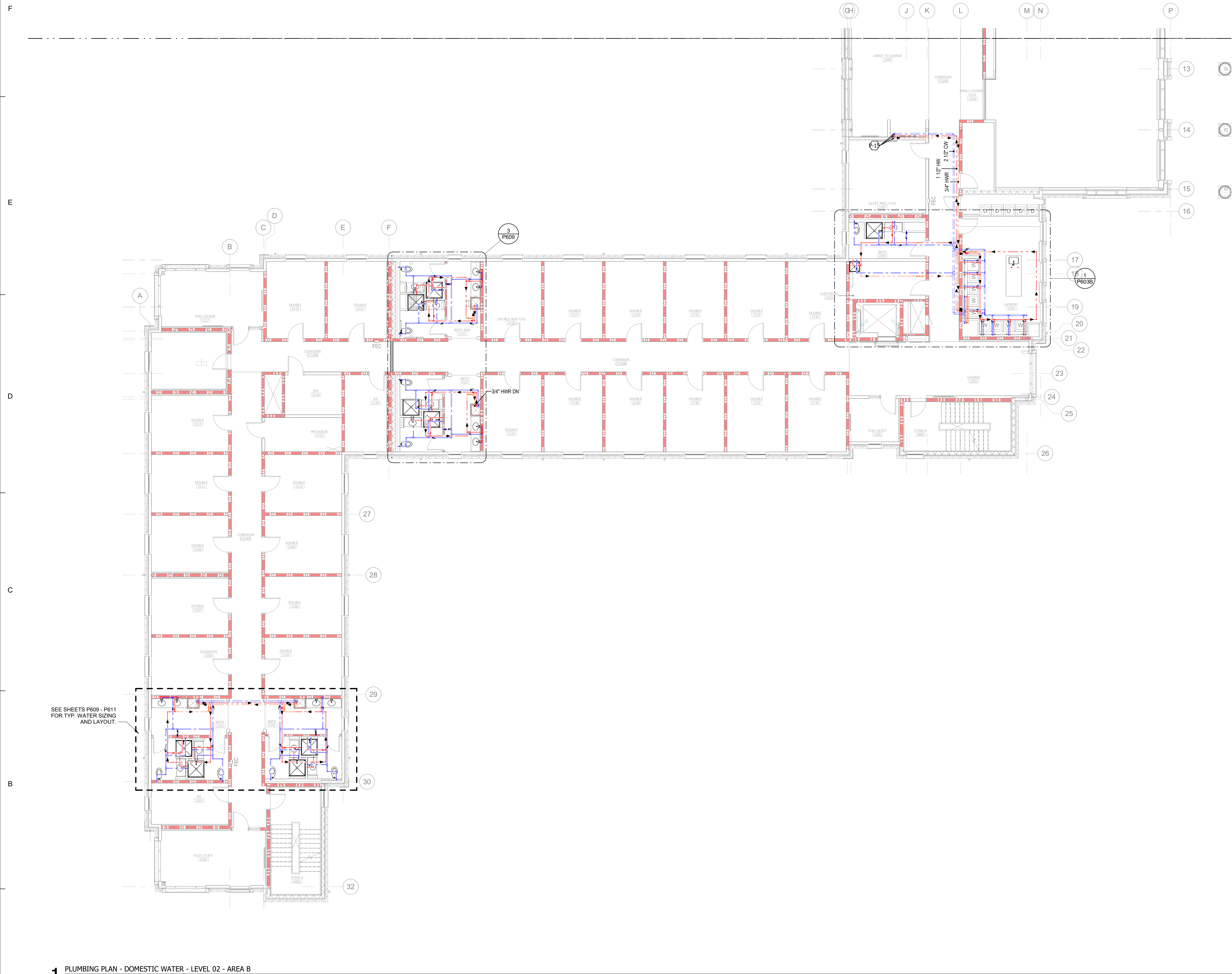


2 PLUMBING ENLARGED PLAN - MECHANICAL ROOM

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1 PLUMBING PLAN - DOMESTIC WATER - LEVEL 02 - AREA B
1" = 1'-0"

SEE SHEETS P609 - P611 FOR TYP. WATER SIZING AND LAYOUT.

SHEET KEYED NOTES

P-15 2-1/2" CW UP, 1-1/2" HW UP, AND 3/4" HWR FROM ABOVE

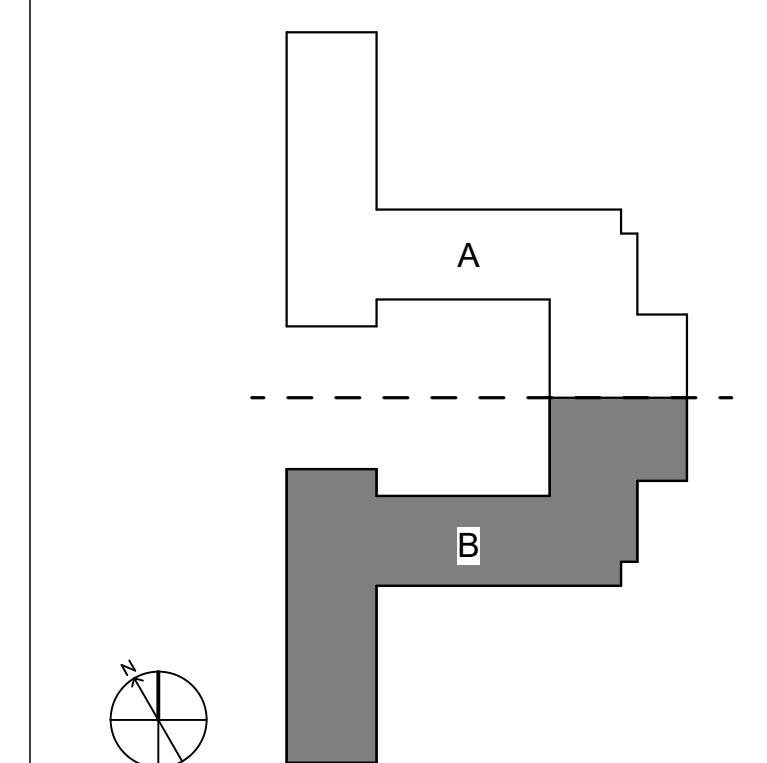
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- COORDINATE THE INSTALLATION OF THE PLUMBING SYSTEM WITH THE STRUCTURE, DUCTWORK, SPRINKLER PIPING, LIGHTING, ETC. PRIOR TO INSTALLATION. REFER TO THE SPECIFICATIONS FOR COORDINATION DRAWING REQUIREMENTS.
- ALL VENT-THRU-ROOF PENETRATIONS ARE TO BE INSTALLED A MINIMUM OF 10'-0" FROM ANY BUILDING INTAKE.
- INSULATE ROOF DRAIN SUMPS AND HORIZONTAL STORM DRAIN PIPING. INSULATION SHALL TERMINATE A MINIMUM OF 24-INCHES BEYOND THE TRANSITION TO THE VERTICAL CONDUCTOR.

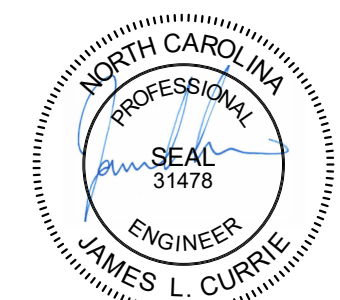
RATED WALLS AND PARTITIONS

FIRE BARRIERS	FIRE PARTITIONS
2-HR FIRE BARRIER	1-HR FIRE PARTITION
1-HR FIRE BARRIER	5-HR FIRE PARTITION

KEY PLAN



NOT TO SCALE



RUNCW25

SCO # 24-29053-02D

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DESIGN TEAM: REBECCA CLEWETT

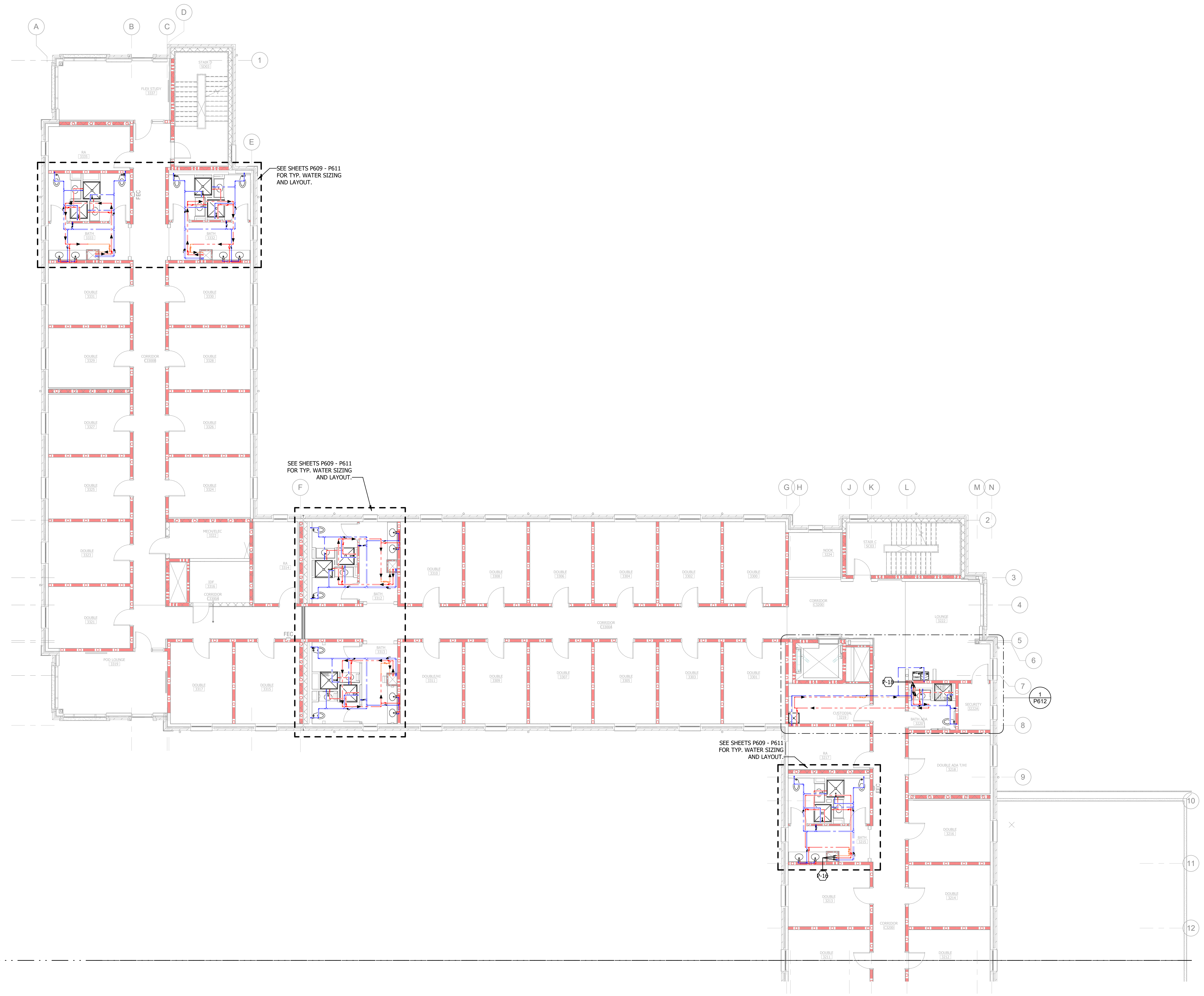
UNIVERSITY OF NORTH CAROLINA AT WILMINGTON HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

PROJECT NO. 514.23018.00

SHEET TITLE: PLUMBING DOMESTIC WATER PLAN - LEVEL 02 - AREA B

SHEET NUMBER: P102B



SHEET KEYED NOTES

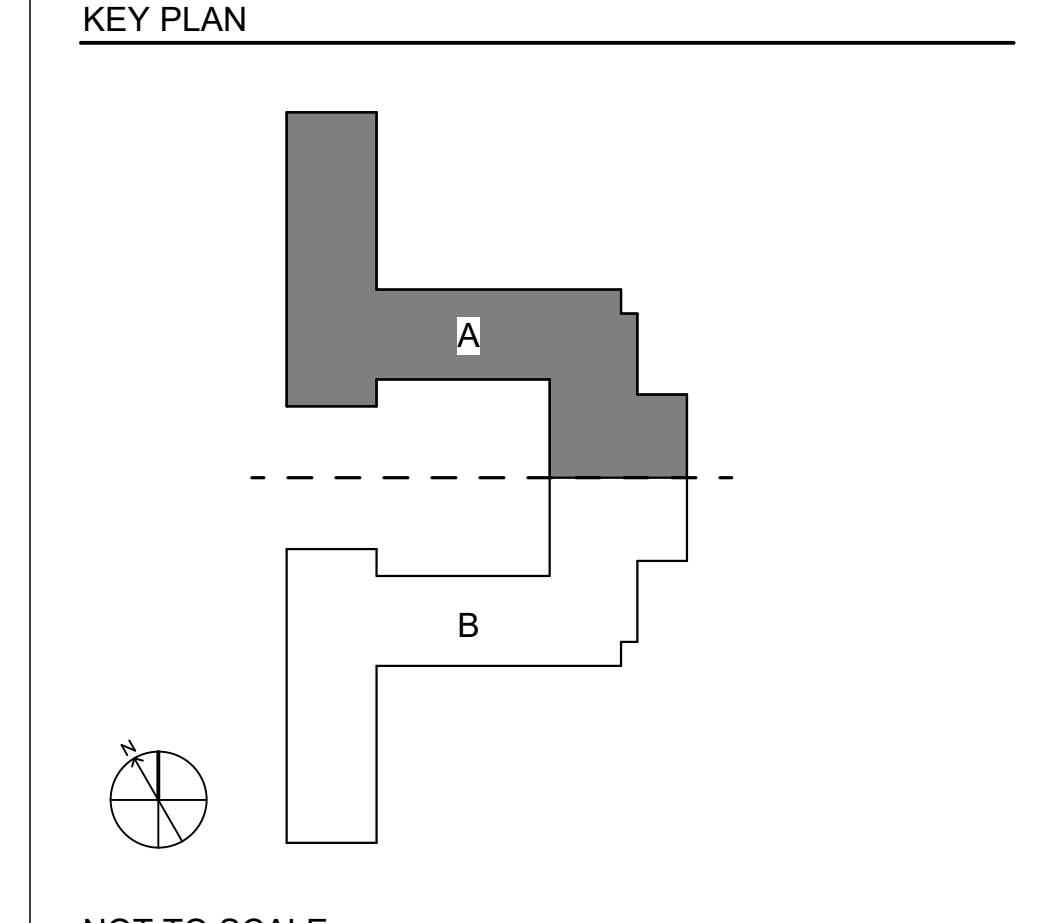
P-16 2" CW FROM BELOW, 1-1/2" HW FROM BELOW, AND 3/4" HWR FROM ABOVE. 2" CW AND 1-1/2" HW LINES TO CONTINUE TO FLOOR AND ABOVE AND 3/4" HWR LINE TO CONTINUE TO FLOOR BELOW.

P-18 2" CW FROM BELOW, 2" HW FROM BELOW, AND 3/4" HWR FROM ABOVE. 2" CW AND 1-1/4" HW LINES TO CONTINUE TO FLOOR AND ABOVE AND 3/4" HWR LINE TO CONTINUE TO FLOOR BELOW.

- GENERAL NOTES - PLUMBING**
- PLUMBING PIPING SHOWN IS DIAGRAMMATIC AND MAY NOT NECESSARILY DEPICT THE ACTUAL INSTALLATION DURING CONSTRUCTION.
 - REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING HEIGHTS. NOT ALL OFFSETS ARE SHOWN TO ACCOMMODATE CHANGES IN CEILING HEIGHTS. COORDINATE WORK AND OFFSET PIPING AS REQUIRED.
 - COORDINATE THE INSTALLATION OF THE PLUMBING SYSTEM WITH THE STRUCTURE, DUCTWORK, SPRINKLER PIPING, LIGHTING, ETC. PRIOR TO INSTALLATION. REFER TO THE SPECIFICATIONS FOR COORDINATION DRAWING REQUIREMENTS.
 - ALL VENT-THRU-ROOF PENETRATIONS ARE TO BE INSTALLED A MINIMUM OF 10'-0" FROM ANY BUILDING INTAKE.
 - INSULATE ROOF DRAIN SUMPS AND HORIZONTAL STORM DRAIN PIPING. INSULATION SHALL TERMINATE A MINIMUM OF 24-INCHES BEYOND THE TRANSITION TO THE VERTICAL CONDUCTOR.

RATED WALLS AND PARTITIONS

FIRE BARRIERS	FIRE PARTITIONS
2-HR FIRE BARRIER	1-HR FIRE PARTITION
1-HR FIRE BARRIER	5-HR FIRE PARTITION



1 PLUMBING PLAN - DOMESTIC WATER - LEVEL 03 - AREA A

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

NO.	REASON	DATE

PROJECT TEAM
PRINCIPAL IN CHARGE: JAMES CURRIE, PE
PROJECT MANAGER: DAN KNOX, PE
DESIGN TEAM: REBECCA CLEWETT

UNIVERSITY OF NORTH CAROLINA AT WILMINGTON HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

PROJECT NO: 514.23018.00

SHEET TITLE: PLUMBING DOMESTIC WATER PLAN - LEVEL 03 - AREA A

SHEET NUMBER: P103A



1 PLUMBING PLAN - DOMESTIC WATER - LEVEL 03 - AREA B

1" = 1'-0"

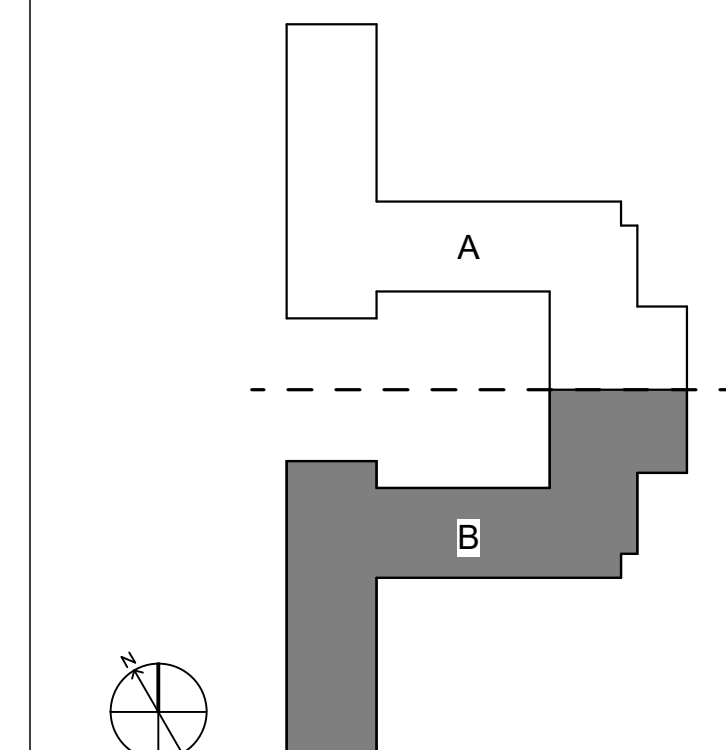
GENERAL NOTES - PLUMBING

1. PLUMBING PIPING SHOWN IS DIAGRAMMATIC AND MAY NOT NECESSARILY DEPICT THE ACTUAL INSTALLATION DURING CONSTRUCTION.
2. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING HEIGHTS. NOT ALL OFFSETS ARE SHOWN TO ACCOMMODATE CHANGES IN CEILING HEIGHTS. COORDINATE WORK AND OFFSET PIPING AS REQUIRED.
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4. ALL VENT-THRU-ROOF PENETRATIONS ARE TO BE INSTALLED A MINIMUM OF 10'-0" FROM ANY BUILDING INTAKE.
5. INSULATE ROOF DRAIN SUMPS AND HORIZONTAL STORM DRAIN PIPING. INSULATION SHALL TERMINATE A MINIMUM OF 24-INCHES BEYOND THE TRANSITION TO THE VERTICAL CONDUCTOR.

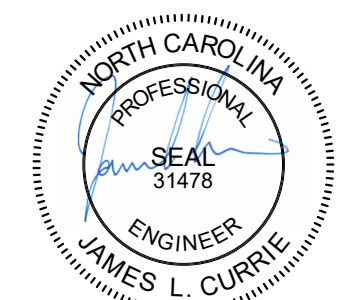
RATED WALLS AND PARTITIONS

FIRE BARRIERS	FIRE PARTITIONS
2-HR FIRE BARRIER	1-HR FIRE PARTITION
1-HR FIRE BARRIER	5-HR FIRE PARTITION

KEY PLAN



NOT TO SCALE



RUNCW25

SCO # 24-29053-02D

COMPLETE PACKAGE - CONSTRUCTION DOCUMENTS

01.15.2026

REVISIONS

NO.	REASON	DATE

PROJECT TEAM
PRINCIPAL IN CHARGE
JAMES L. CURRIE, PE
PROJECT MANAGER
DAN KNOX, PE
DESIGN TEAM
REBECCA CLEWETT

UNIVERSITY OF NORTH CAROLINA AT WILMINGTON HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

PROJECT NO.

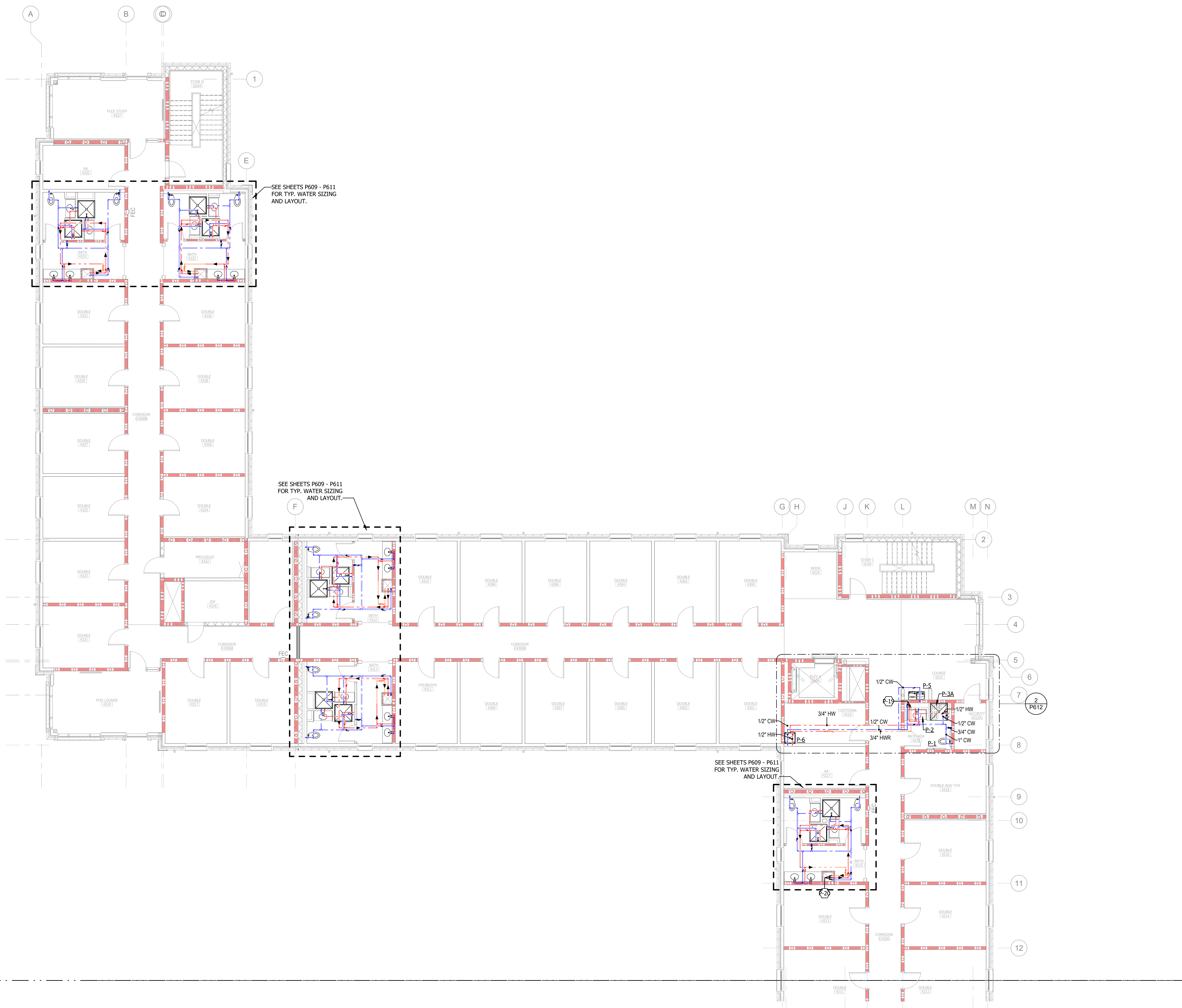
514.23018.00

SHEET TITLE

PLUMBING DOMESTIC WATER PLAN - LEVEL 03 - AREA B

SHEET NUMBER

P103B



SHEET KEYED NOTES

P-19 2" CW FROM BELOW, 1-1/4" HW FROM BELOW, AND 3/4" HWR FROM ABOVE. 2" CW AND 1" HW LINES TO CONTINUE TO FLOOR AND ABOVE AND 3/4" HWR LINE TO CONTINUE TO FLOOR BELOW.

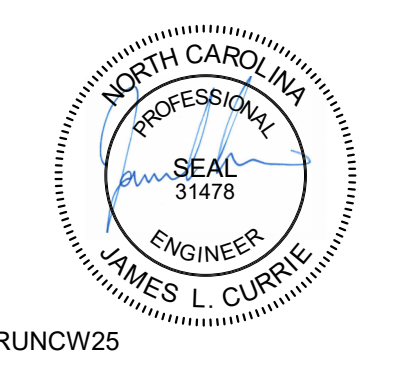
P-20 2" CW FROM BELOW, 1-1/2" HW FROM BELOW, AND 3/4" HWR FROM ABOVE. 2" CW AND 1-1/4" HW LINES TO CONTINUE TO FLOOR AND ABOVE AND 3/4" HWR LINE TO CONTINUE TO FLOOR BELOW.

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RUNCW25

SCO # 24-29053-02D

ISSUE FOR
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ISSUE DATE
01.15.2026

REVISIONS

NO.	REASON	DATE

PROJECT TEAM
PRINCIPAL IN CHARGE
JAMES CURRIE, PE
PROJECT MANAGER
DAN KNOX, PE
DESIGN TEAM
REBECCA CLEWETT

UNIVERSITY OF NORTH CAROLINA AT WILMINGTON HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

PROJECT NO.
514.23018.00

SHEET TITLE
PLUMBING DOMESTIC WATER PLAN - LEVEL 04 - AREA A

SHEET NUMBER
P104A

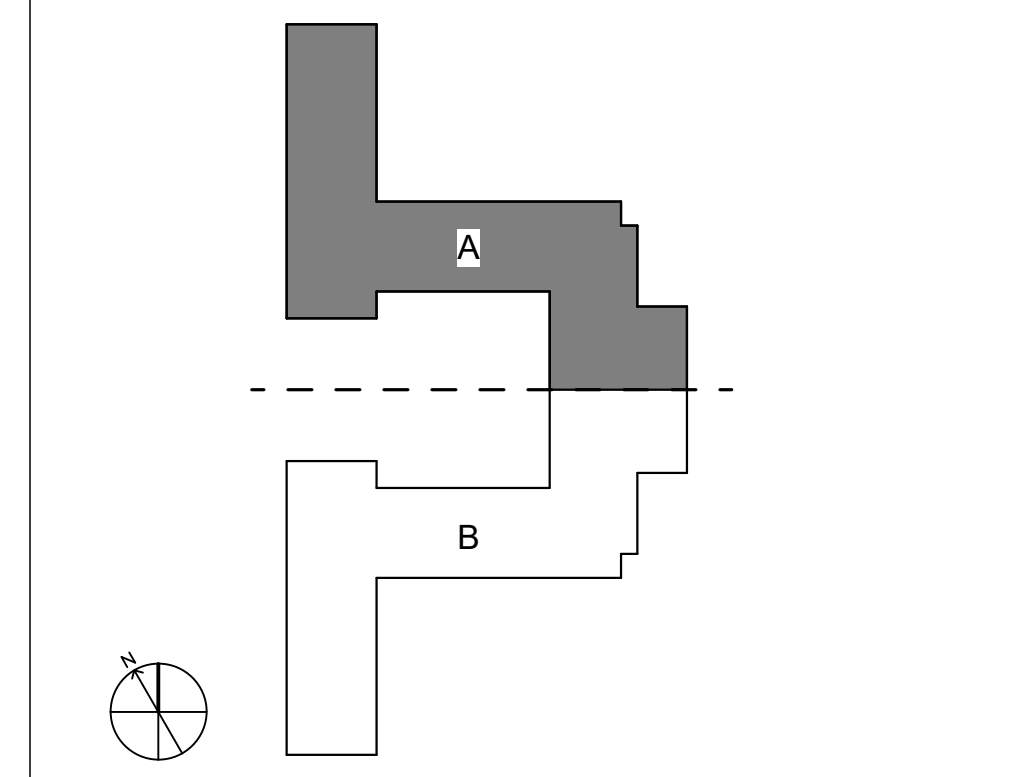
GENERAL NOTES - PLUMBING

- PLUMBING PIPING SHOWN IS DIAGRAMMATIC AND MAY NOT NECESSARILY DEPICT THE ACTUAL INSTALLATION DURING CONSTRUCTION.
- REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING HEIGHTS. NOT ALL OFFSETS ARE SHOWN TO ACCOMMODATE CHANGES IN CEILING HEIGHTS. COORDINATE WORK AND OFFSET PIPING AS REQUIRED.
- COORDINATE THE INSTALLATION OF THE PLUMBING SYSTEM WITH THE STRUCTURE, DUCTWORK, SPRINKLER PIPING, LIGHTING, ETC. PRIOR TO INSTALLATION. REFER TO THE SPECIFICATIONS FOR COORDINATION DRAWING REQUIREMENTS.
- ALL VENT-THRU-ROOF PENETRATIONS ARE TO BE INSTALLED A MINIMUM OF 10'-0" FROM ANY BUILDING INTAKE.
- INSULATE ROOF DRAIN SUMPS AND HORIZONTAL STORM DRAIN PIPING. INSULATION SHALL TERMINATE A MINIMUM OF 24-INCHES BEYOND THE TRANSITION TO THE VERTICAL CONDUCTOR.

RATED WALLS AND PARTITIONS

FIRE BARRIERS	FIRE PARTITIONS
2-HR FIRE BARRIER	1-HR FIRE PARTITION
1-HR FIRE BARRIER	5-HR FIRE PARTITION

KEY PLAN



NOT TO SCALE

Autodesk Docs/UNC Wilmington - Housing Village Phase 3/RUNCW25 - UNCW Residence Hall_FMEP_R24.rvt
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1 PLUMBING PLAN - DOMESTIC WATER - LEVEL 04 - AREA A
0 2 4 8 16 24 32
1/8" = 1'-0"



1 PLUMBING PLAN - DOMESTIC WATER - LEVEL 05 - AREA B
1/4" = 1'-0"

SHEET KEYED NOTES



RUNCW25

SCO # 24-29053-02D
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COMPLETE PACKAGE - CONSTRUCTION DOCUMENTS
ISSUE DATE
01.15.2026

NO.	REASON	DATE

PROJECT TEAM
PRINCIPAL IN CHARGE
JAMES CURRIE, PE
PROJECT MANAGER
DAN KNOX, PE
DESIGN TEAM
REBECCA CLEWETT

UNIVERSITY OF NORTH CAROLINA AT WILMINGTON HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

PROJECT NO.
514.23018.00

SHEET TITLE
PLUMBING DOMESTIC WATER PLAN - LEVEL 05 - AREA B

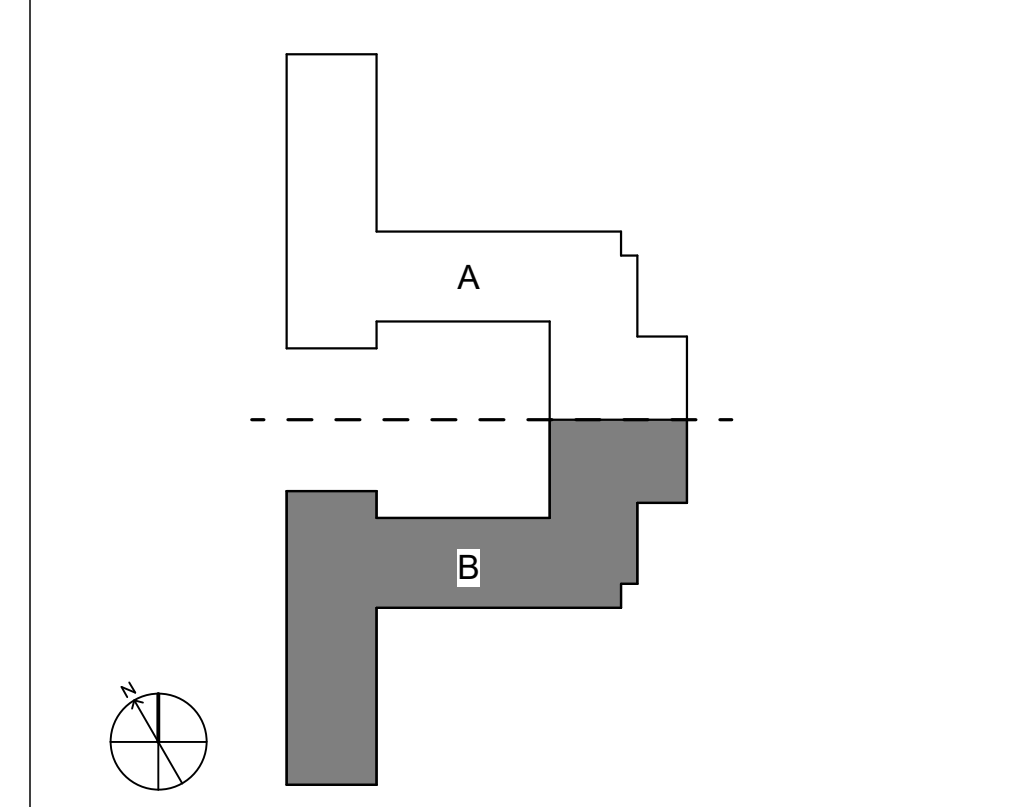
SHEET NUMBER
P105B

- GENERAL NOTES - PLUMBING**
- PLUMBING PIPING SHOWN IS DIAGRAMMATIC AND MAY NOT NECESSARILY DEPICT THE ACTUAL INSTALLATION DURING CONSTRUCTION.
 - REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING HEIGHTS. NOT ALL OFFSETS ARE SHOWN TO ACCOMMODATE CHANGES IN CEILING HEIGHTS. COORDINATE WORK AND OFFSET PIPING AS REQUIRED.
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RATED WALLS AND PARTITIONS

FIRE BARRIERS	FIRE PARTITIONS
2-HR FIRE BARRIER	1-HR FIRE PARTITION
1-HR FIRE BARRIER	5-HR FIRE PARTITION

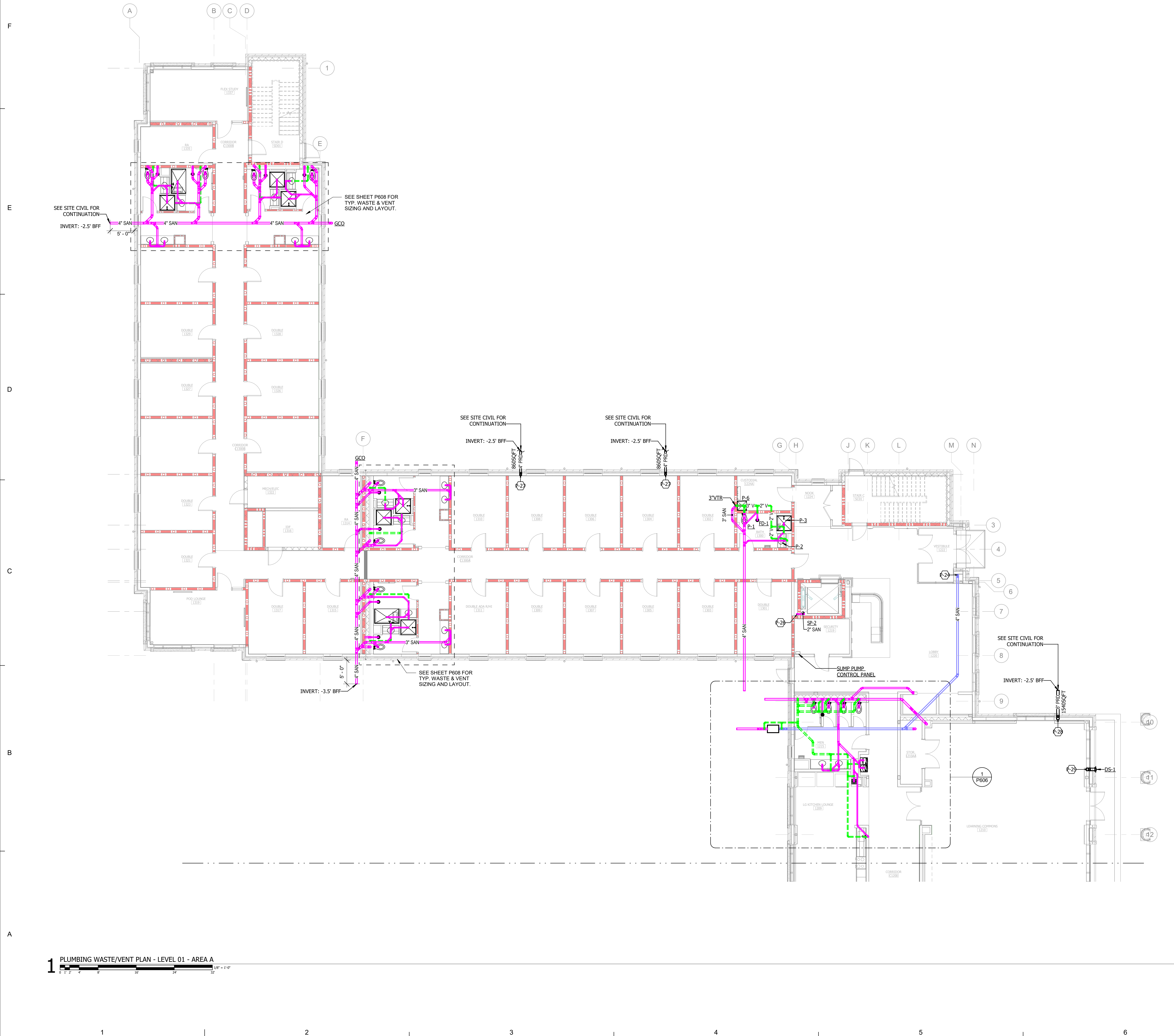
KEY PLAN



NOT TO SCALE

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1 PLUMBING WASTE/VENT PLAN - LEVEL 01 - AREA A
1" = 1'-0"

SHEET KEYED NOTES

- P-24 4" SANITARY WASTE LINE DOWN FROM ABOVE, PROVIDE WCO IN BASE OF STACK.
- P-26 ROUTE SUMP PUMP DRAINAGE LINE UP TO ABOVE CEILING AND DRAIN INDIRECTLY INTO MOP SINK.
- P-27 4" PRD DOWN FROM ABOVE.
- P-28 6" PRD DOWN FROM ABOVE.
- P-29 6" ORD DOWN FROM ABOVE, TERMINATE AT MIN. 24" AFF VIA DS-1.

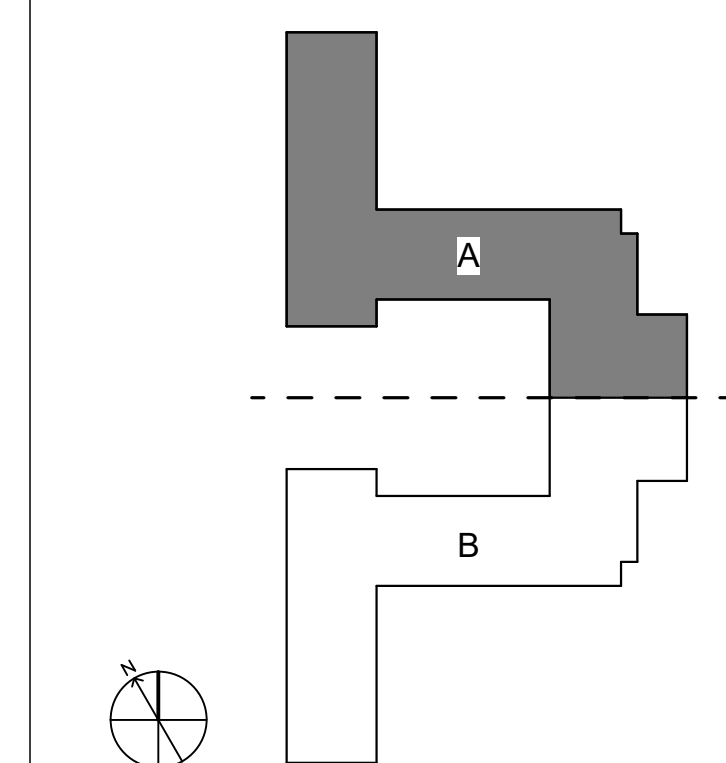
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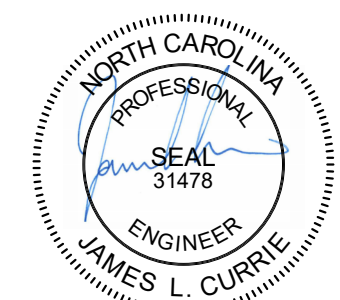
RATED WALLS AND PARTITIONS

FIRE BARRIERS	FIRE PARTITIONS
2-HR FIRE BARRIER [Symbol]	1-HR FIRE PARTITION [Symbol]
1-HR FIRE BARRIER [Symbol]	5-HR FIRE PARTITION [Symbol]

KEY PLAN



NOT TO SCALE



RUNCW25

SCO # 24-29053-02D

COMPLETE PACKAGE -
CONSTRUCTION
DOCUMENTS

01.15.2026

NO.	REASON	DATE

PROJECT TEAM

PRINCIPAL IN CHARGE
JAMES CURRIE, PE

PROJECT MANAGER
DAN KNOX, PE

DESIGN TEAM
REBECCA CLEWETT

UNIVERSITY OF NORTH
CAROLINA AT WILMINGTON
HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

PROJECT NO.
514.23018.00

SHEET TITLE
PLUMBING WASTE/VENT
PLAN - LEVEL 01 - AREA A

SHEET NUMBER
P201A

REVISIONS NO.	REASON	DATE

PROJECT TEAM
PRINCIPAL IN CHARGE
JAMES L. CURRIE, PE
PROJECT MANAGER
DAN KNOX, PE
DESIGN TEAM
REBECCA CLEWETT

UNIVERSITY OF NORTH CAROLINA AT WILMINGTON HOUSING VILLAGE PHASE 3

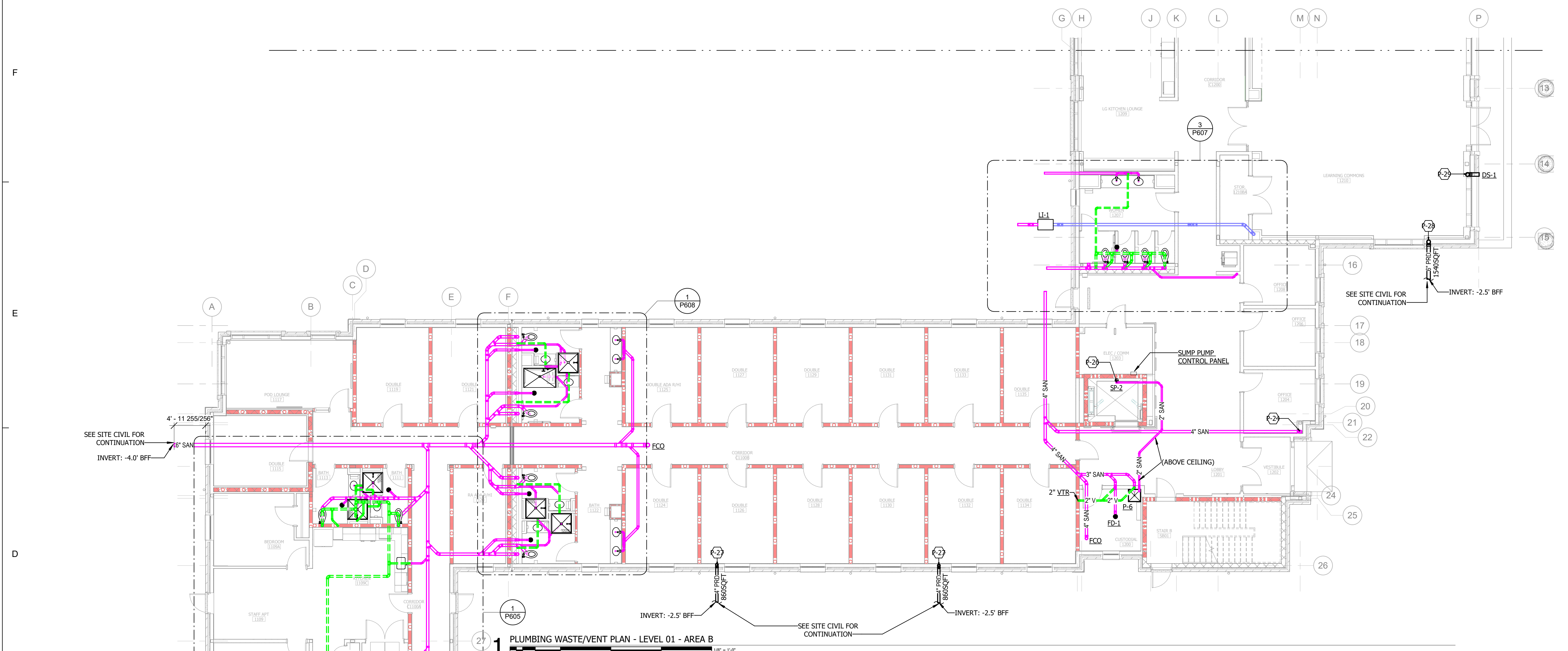
UNC WILMINGTON, NC

PROJECT NO.
514.23018.00

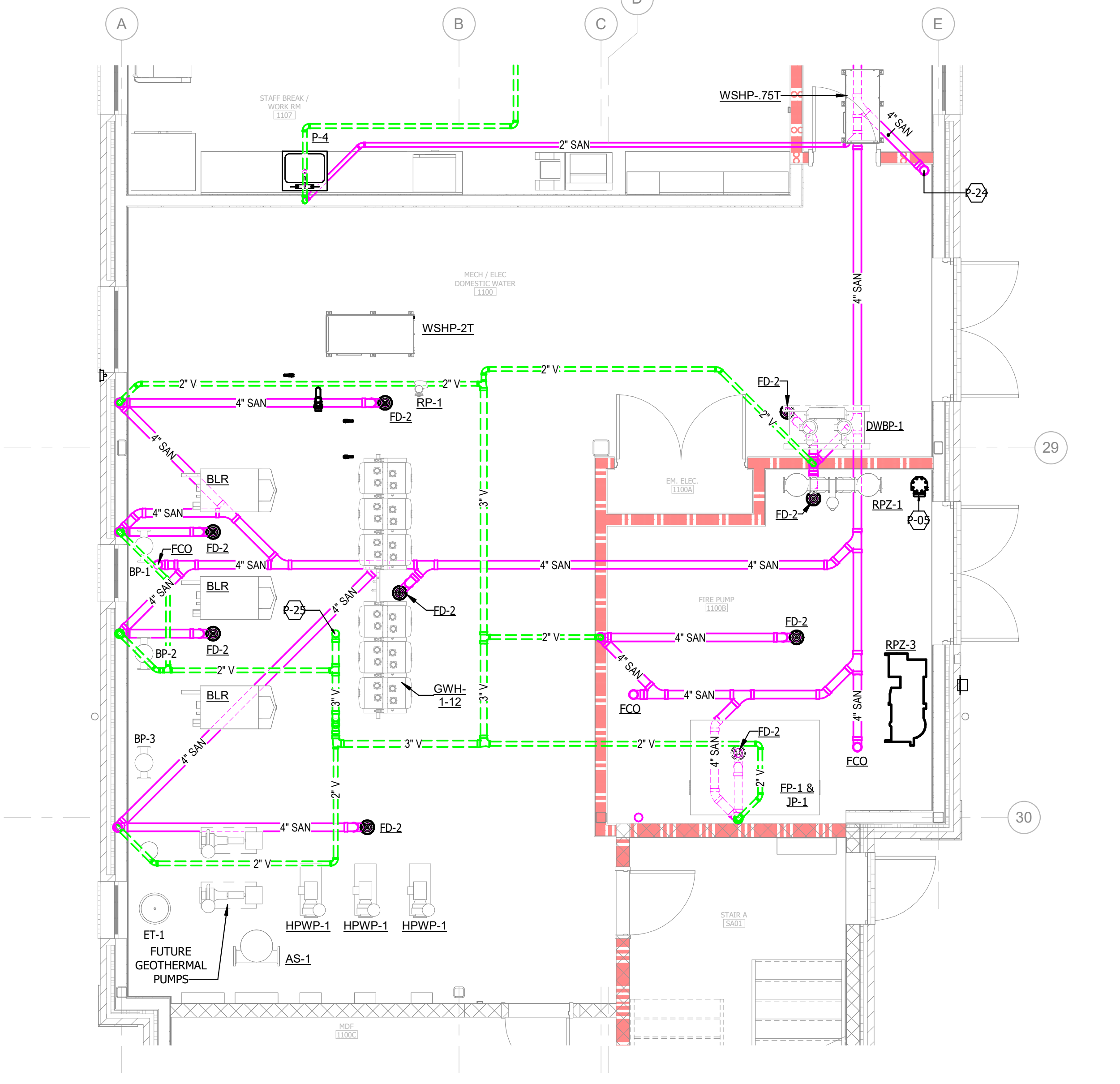
SHEET TITLE
PLUMBING WASTE/VENT PLAN - LEVEL 01 - AREA B

SHEET NUMBER
P201B

- SHEET KEYED NOTES**
- P-05 COMPOUND WATER METER TO BE NEPTUNE OR EQUAL.
 - P-24 4" SANITARY WASTE LINE DOWN FROM ABOVE. PROVIDE WCO IN BASE OF STACK.
 - P-25 3" VENT LINE UP.
 - P-26 ROUTE SUMP PUMP DRAINAGE LINE UP TO ABOVE CEILING AND DRAIN INDIRECTLY INTO MOP SINK.
 - P-27 4" FRD DOWN FROM ABOVE.
 - P-28 6" FRD DOWN FROM ABOVE.
 - P-29 6" ORD DOWN FROM ABOVE. TERMINATE AT MIN. 24" AFF VIA DS-1.



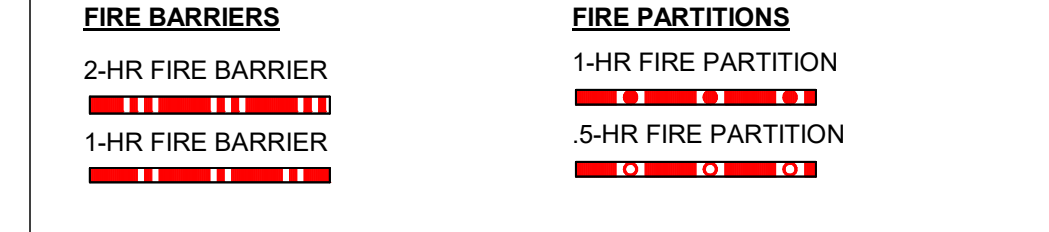
1 PLUMBING WASTE/VENT PLAN - LEVEL 01 - AREA B
1" = 1'-0"



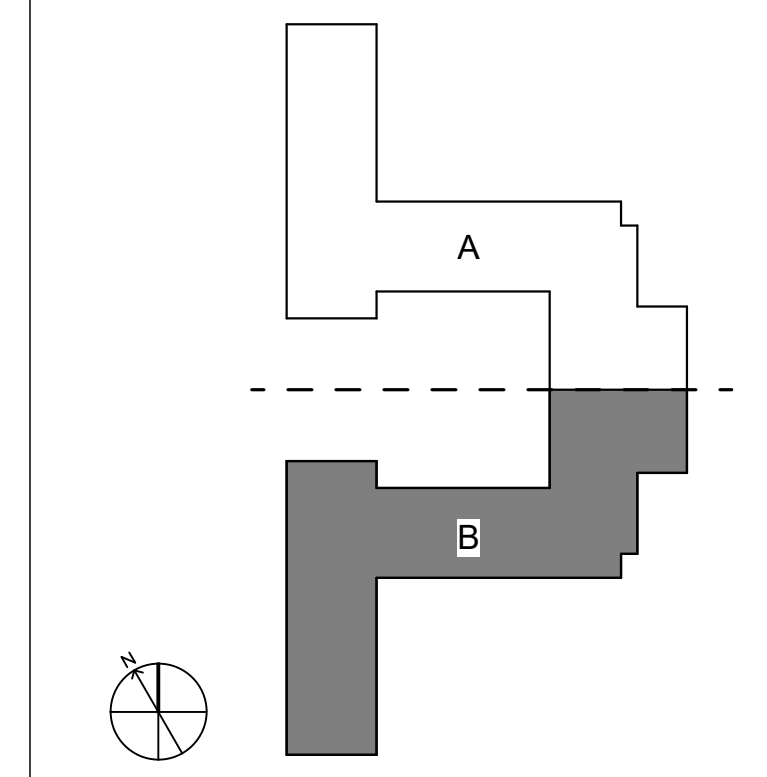
2 PLUMBING WASTE/VENT PLAN - LEVEL 01 - AREA B - ENLARGED MECHANICAL ROOM
3/8" = 1'-0"

- GENERAL NOTES - PLUMBING**
1. PLUMBING PIPING SHOWN IS DIAGRAMMATIC AND MAY NOT NECESSARILY DEPICT THE ACTUAL INSTALLATION DURING CONSTRUCTION.
 2. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING HEIGHTS. NOT ALL OFFSETS ARE SHOWN TO ACCOMMODATE CHANGES IN CEILING HEIGHTS. COORDINATE WORK AND OFFSET PIPING AS REQUIRED.
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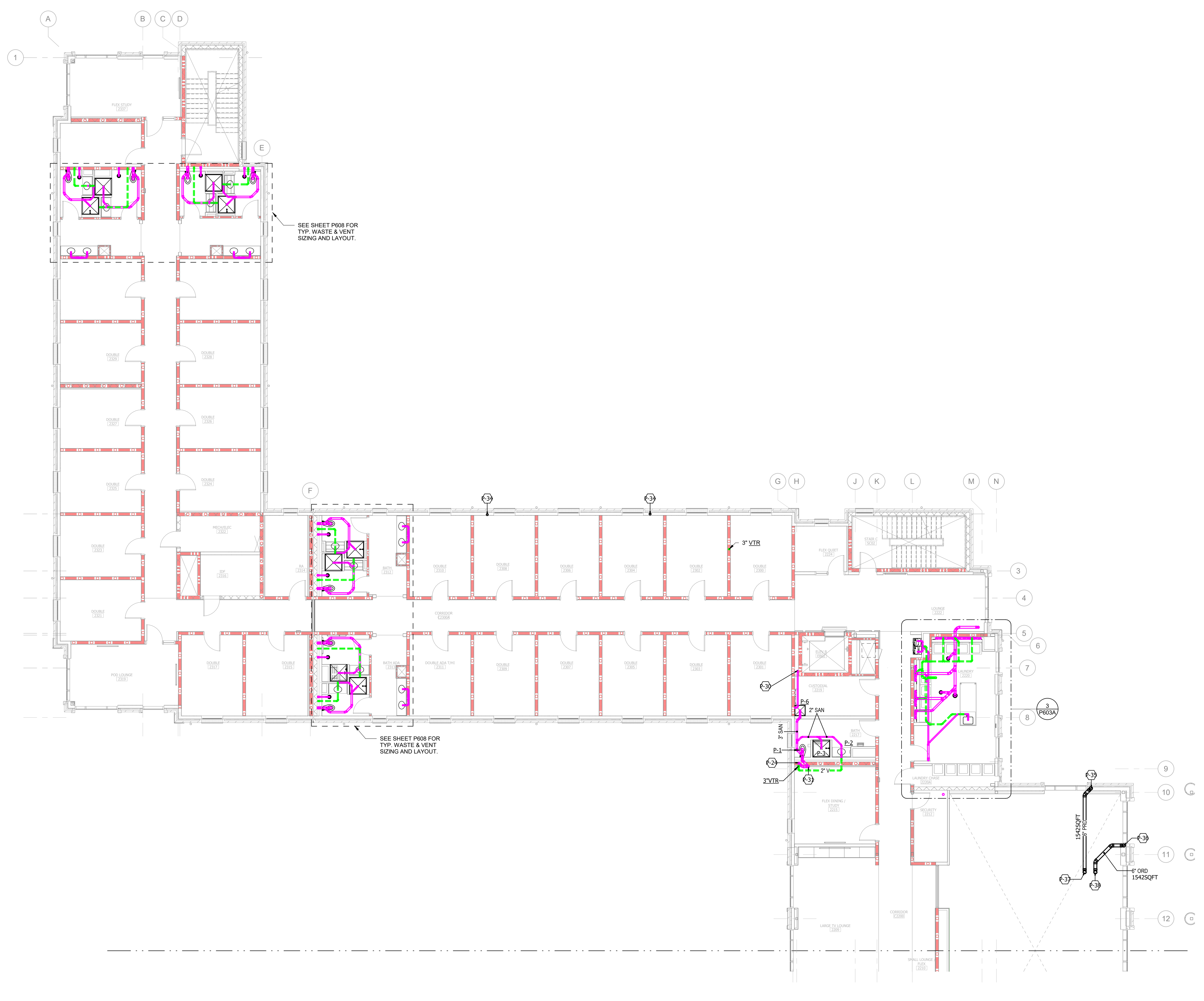
RATED WALLS AND PARTITIONS



KEY PLAN



NOT TO SCALE

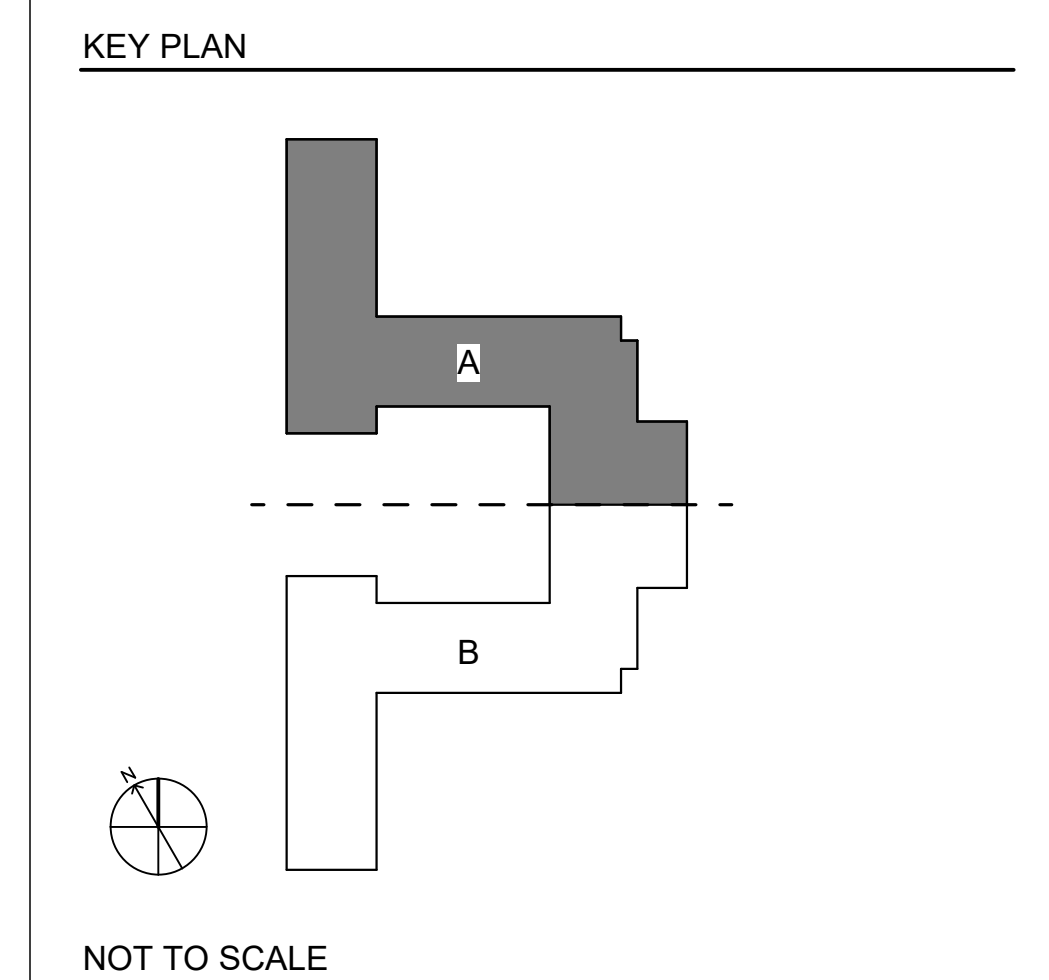


- SHEET KEYED NOTES**
- P-24 4" SANITARY WASTE LINE DOWN FROM ABOVE, PROVIDE WCO IN BASE OF STACK.
 - P-30 2" DISCHARGE FROM ELEVATOR SUMP PUMP ON LEVEL 01 - DRAIN INDIRECTLY P-6.
 - P-31 4" SANITARY WASTE LINE DOWN.
 - P-34 4" PRD DOWN.
 - P-35 6" PRD DOWN.
 - P-36 6" ORD DOWN.
 - P-37 6" PRD DOWN FROM PRD-1.
 - P-38 6" ORD DOWN FROM ORD-1.

- GENERAL NOTES - PLUMBING**
1. PLUMBING PIPING SHOWN IS DIAGRAMMATIC AND MAY NOT NECESSARILY DEPICT THE ACTUAL INSTALLATION DURING CONSTRUCTION.
 2. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING HEIGHTS. NOT ALL OFFSETS ARE SHOWN TO ACCOMMODATE CHANGES IN CEILING HEIGHTS. COORDINATE WORK AND OFFSET PIPING AS REQUIRED.
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RATED WALLS AND PARTITIONS

FIRE BARRIERS	FIRE PARTITIONS
2-HR FIRE BARRIER	1-HR FIRE PARTITION
1-HR FIRE BARRIER	5-HR FIRE PARTITION



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PROFESSIONAL ENGINEER
NORTH CAROLINA
JAMES L. CURRIE
RUNCW25

SCO # 24-29053-02D

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01.15.2026

NO.	REASON	DATE

PROJECT TEAM
PRINCIPAL IN CHARGE: JAMES CURRIE, PE
PROJECT MANAGER: DAN KNOX, PE
DESIGN TEAM: REBECCA CLEWETT

UNIVERSITY OF NORTH CAROLINA AT WILMINGTON HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

PROJECT NO.: 514.23018.00

SHEET TITLE: PLUMBING WASTE/VENT PLAN - LEVEL 02 - AREA A

SHEET NUMBER: P202A

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SHEET KEYED NOTES
P-24 4" SANITARY WASTE LINE DOWN FROM ABOVE, PROVIDE WCO IN BASE OF STACK.
P-27 4" FRD DOWN FROM ABOVE.
P-31 4" SANITARY WASTE LINE DOWN.

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OVERSEER ARCHITECTURAL CONSULTING
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Durham, NC 27701
(919) 474-2500
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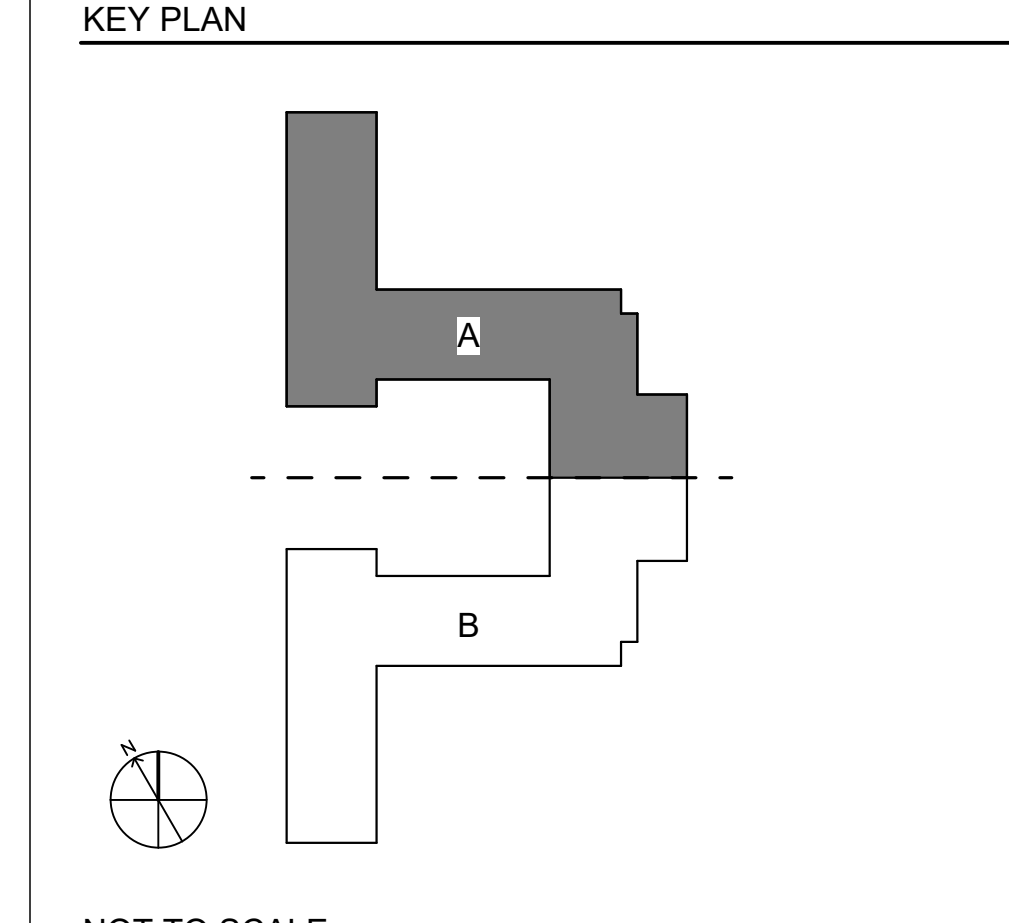
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PROFESSIONAL SEAL
ENGINEER
JAMES L. CURRIE
RUNCW25

- GENERAL NOTES - PLUMBING**
- PLUMBING PIPING SHOWN IS DIAGRAMMATIC AND MAY NOT NECESSARILY DEPICT THE ACTUAL INSTALLATION DURING CONSTRUCTION.
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RATED WALLS AND PARTITIONS

FIRE BARRIERS	FIRE PARTITIONS
2-HR FIRE BARRIER	1-HR FIRE PARTITION
1-HR FIRE BARRIER	5-HR FIRE PARTITION



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REVISIONS

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PROJECT TEAM
PRINCIPAL IN CHARGE
JAMES CURRIE, PE
PROJECT MANAGER
DAN KNOX, PE
DESIGN TEAM
REBECCA CLEWETT

PROJECT NAME
UNIVERSITY OF NORTH CAROLINA AT WILMINGTON HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

PROJECT NO.
514.23018.00

SHEET TITLE
PLUMBING WASTE/VENT PLAN - LEVEL 03 - AREA A

SHEET NUMBER
P203A

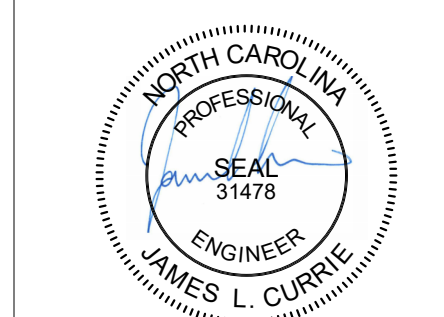
Autodesk Docs/UNC Wilmington - Housing Village Phase 3/RUNCW25 - UNCW Residence Hall_FMEP_R24.rvt
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1 PLUMBING WASTE/VENT PLAN - LEVEL 03 - AREA A
1" = 1'-0"



1 PLUMBING WASTE/VENT PLAN - LEVEL 03 - AREA B
0 1' 2' 4' 8' 16' 32' 1/8" = 1'-0"

SHEET KEYED NOTES
P-31 4" SANITARY WASTE LINE DOWN.
P-34 4" PRD DOWN.



RUNCW25

SCO # 24-29053-02D

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REVISIONS NO.	REASON	DATE

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PROJECT MANAGER
DAN KNOX, PE
DESIGN TEAM
REBECCA CLEWETT

UNIVERSITY OF NORTH CAROLINA AT WILMINGTON HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

PROJECT NO.
514.23018.00

SHEET TITLE
PLUMBING WASTE/VENT PLAN - LEVEL 03 - AREA B

SHEET NUMBER
P203B

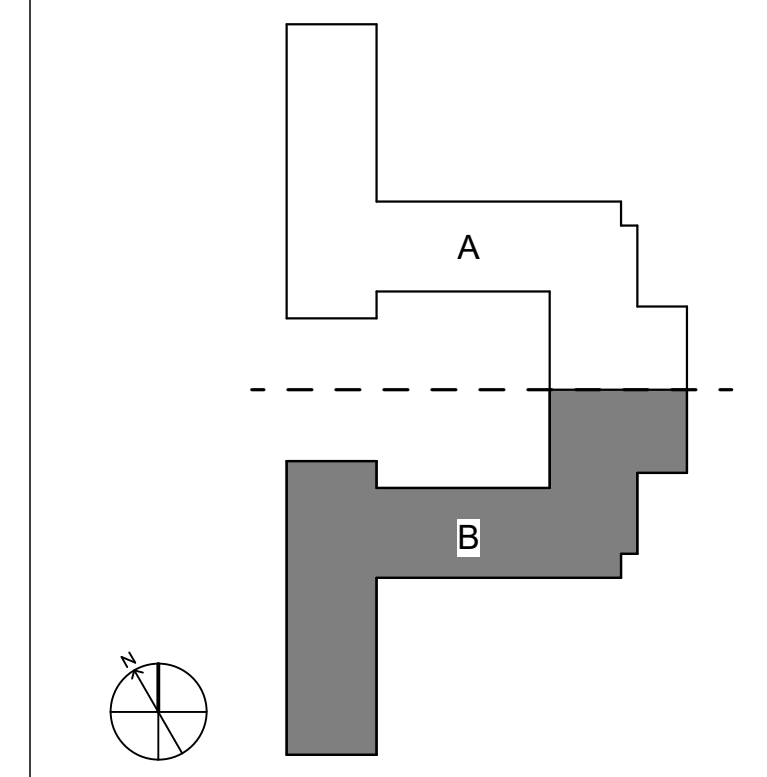
GENERAL NOTES - PLUMBING

1. PLUMBING PIPING SHOWN IS DIAGRAMMATIC AND MAY NOT NECESSARILY DEPICT THE ACTUAL INSTALLATION DURING CONSTRUCTION.
2. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING HEIGHTS. NOT ALL OFFSETS ARE SHOWN TO ACCOMMODATE CHANGES IN CEILING HEIGHTS. COORDINATE WORK AND OFFSET PIPING AS REQUIRED.
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5. INSULATE ROOF DRAIN SUMPS AND HORIZONTAL STORM DRAIN PIPING. INSULATION SHALL TERMINATE A MINIMUM OF 24-INCHES BEYOND THE TRANSITION TO THE VERTICAL CONDUCTOR.

RATED WALLS AND PARTITIONS

FIRE BARRIERS	FIRE PARTITIONS
2-HR FIRE BARRIER [Symbol]	1-HR FIRE PARTITION [Symbol]
1-HR FIRE BARRIER [Symbol]	5-HR FIRE PARTITION [Symbol]

KEY PLAN



NOT TO SCALE

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1 PLUMBING WASTE/VENT PLAN - LEVEL 04 - AREA B

1/8" = 1'-0"

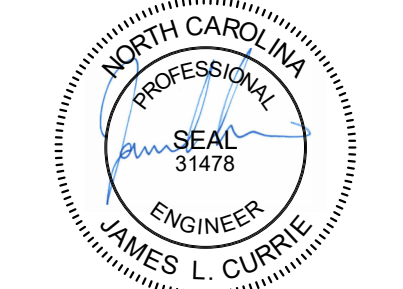
SHEET KEYED NOTES
P-34 4" PRD DOWN.



LITTLE
DIVERSIFIED ARCHITECTURAL CONSULTING

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Durham, NC 27701
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A LEEDGREEN Company
CMTA License No. C-4566



RUNCW25

GENERAL NOTES - PLUMBING

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SCO # 24-29053-02D

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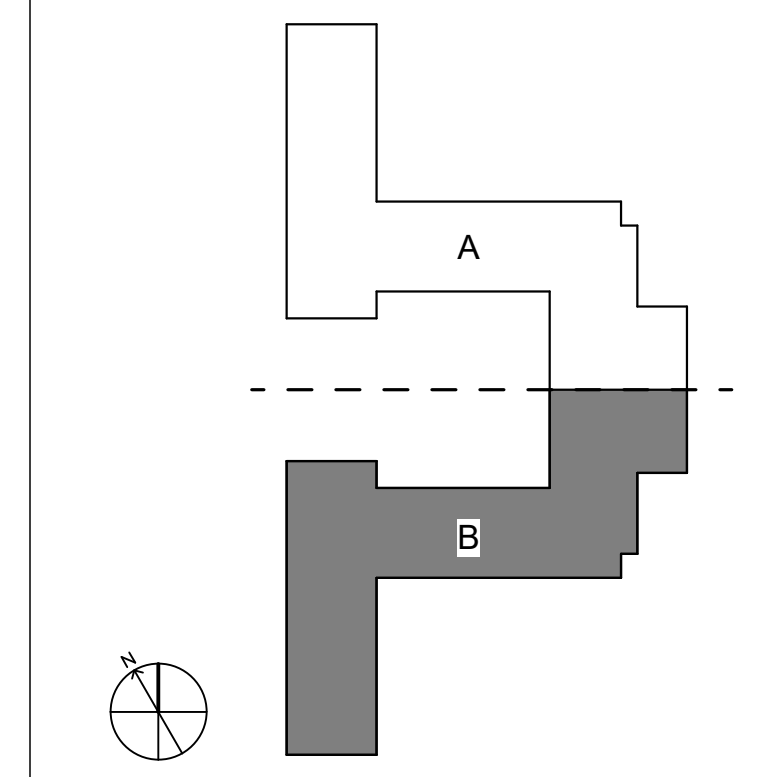
REVISIONS

NO.	REASON	DATE

RATED WALLS AND PARTITIONS

FIRE BARRIERS	FIRE PARTITIONS
2-HR FIRE BARRIER 	1-HR FIRE PARTITION
1-HR FIRE BARRIER 	5-HR FIRE PARTITION

KEY PLAN



NOT TO SCALE

PROJECT TEAM
PRINCIPAL IN CHARGE
JAMES CURRIE, PE
PROJECT MANAGER
DAN KNOX, PE
DESIGN TEAM
REBECCA CLEWETT

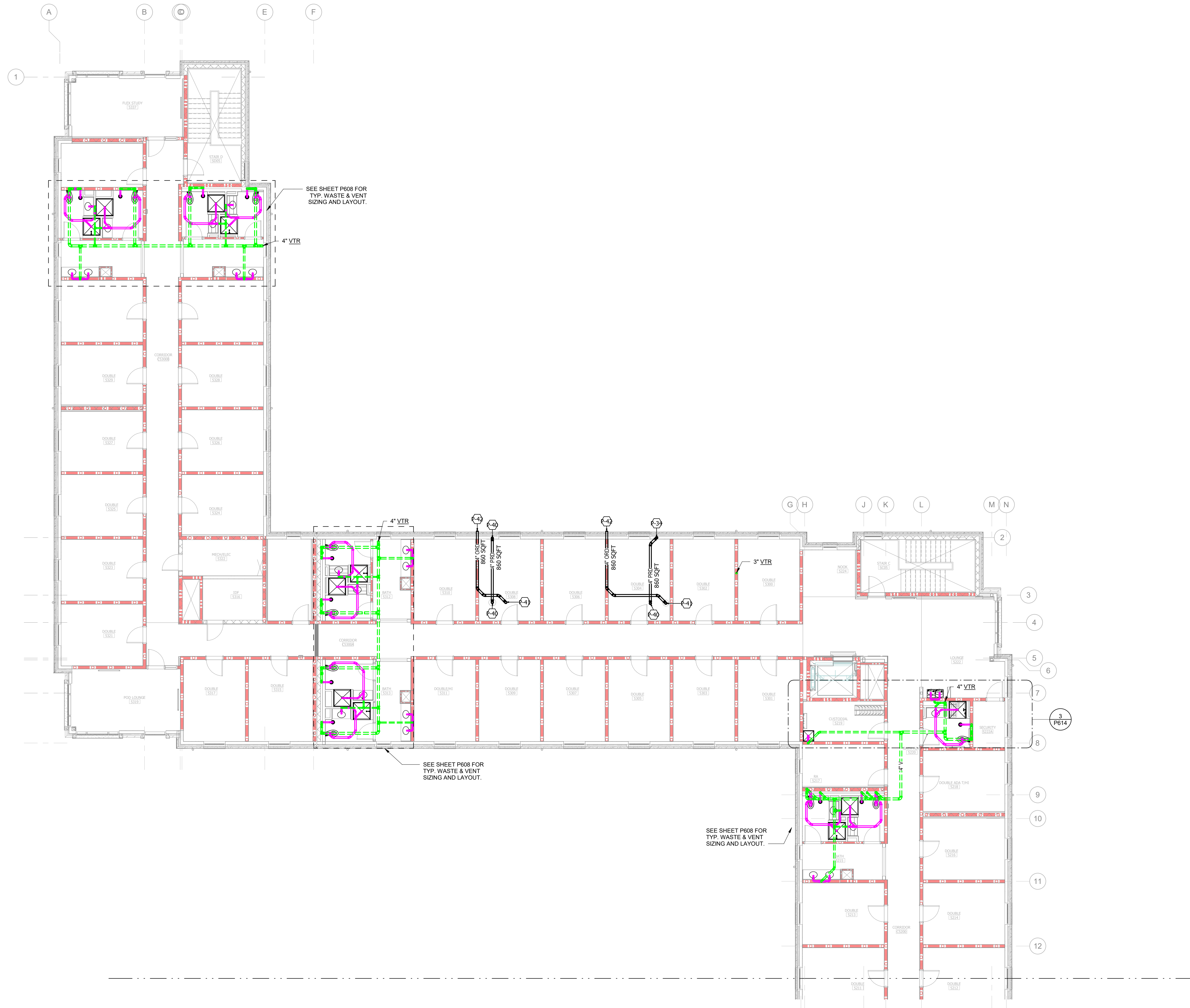
UNIVERSITY OF NORTH CAROLINA AT WILMINGTON HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

PROJECT NO.
514.23018.00

SHEET TITLE
PLUMBING WASTE/VENT PLAN - LEVEL 04 - AREA B

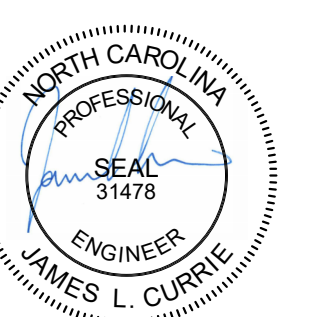
SHEET NUMBER
P204B



1 PLUMBING WASTE/VENT PLAN - LEVEL 05 - AREA A

SHEET KEYED NOTES

- P-34 4" PRD DOWN.
- P-40 4" PRD DOWN FROM PRD-1.
- P-41 4" ORD DOWN FROM ORD-1.
- P-42 4" ORD ROUTED TO OVERFLOW SCUPPER.



RUNCW25

SCO # 24-29053-02D

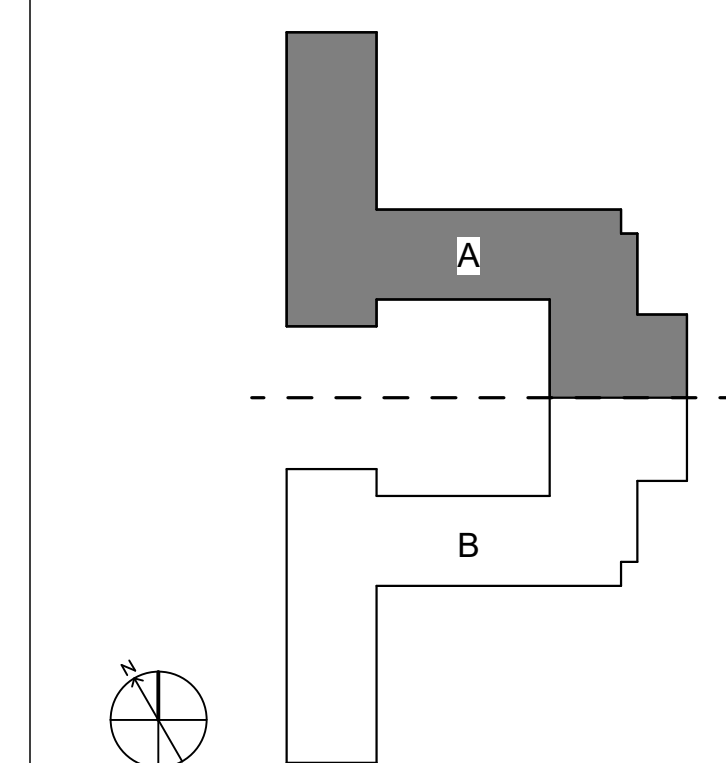
GENERAL NOTES - PLUMBING

1. PLUMBING PIPING SHOWN IS DIAGRAMMATIC AND MAY NOT NECESSARILY DEPICT THE ACTUAL INSTALLATION DURING CONSTRUCTION.
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RATED WALLS AND PARTITIONS

FIRE BARRIERS	FIRE PARTITIONS
2-HR FIRE BARRIER [Symbol]	1-HR FIRE PARTITION [Symbol]
1-HR FIRE BARRIER [Symbol]	5-HR FIRE PARTITION [Symbol]

KEY PLAN



NOT TO SCALE

COMPLETE PACKAGE - CONSTRUCTION DOCUMENTS

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01.15.2026

NO.	REASON	DATE

PROJECT TEAM
PRINCIPAL IN CHARGE
JAMES CURRIE, PE
PROJECT MANAGER
DAN KNOX, PE
DESIGN TEAM
REBECCA CLEWETT

UNIVERSITY OF NORTH CAROLINA AT WILMINGTON HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

PROJECT NO.
514.23018.00

SHEET TITLE
PLUMBING WASTE/VENT PLAN - LEVEL 05 - AREA A

SHEET NUMBER
P205A

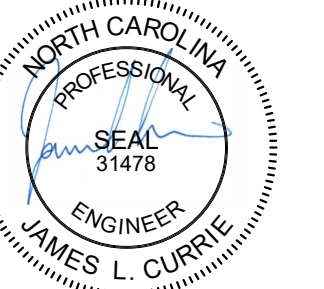
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SHEET KEYED NOTES

- P-34 4" PRD DOWN.
- P-40 4" PRD DOWN FROM PRD-1.
- P-41 4" ORD DOWN FROM ORD-1.
- P-42 4" ORD ROUTED TO OVERFLOW SCUPPER.



RUNCW25

SCO # 24-29053-02D

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PROJECT TEAM

PRINCIPAL IN CHARGE
JAMES CURRIE, PE

PROJECT MANAGER
DAN KNOX, PE

DESIGN TEAM
REBECCA CLEWETT

PROJECT NAME

UNIVERSITY OF NORTH
CAROLINA AT WILMINGTON
HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

PROJECT NO.

514.23018.00

SHEET TITLE

PLUMBING WASTE/VENT
PLAN - LEVEL 05 - AREA B

SHEET NUMBER

P205B

GENERAL NOTES - PLUMBING

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5. INSULATE ROOF DRAIN SUMPS AND HORIZONTAL STORM DRAIN PIPING. INSULATION SHALL TERMINATE A MINIMUM OF 24-INCHES BEYOND THE TRANSITION TO THE VERTICAL CONDUCTOR.

RATED WALLS AND PARTITIONS

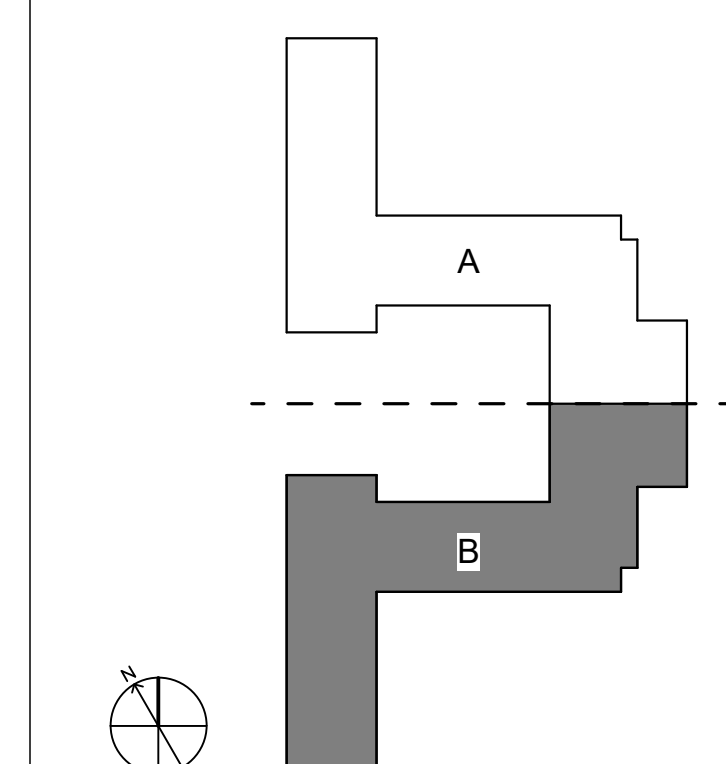
FIRE BARRIERS

- 2-HR FIRE BARRIER
- 1-HR FIRE BARRIER

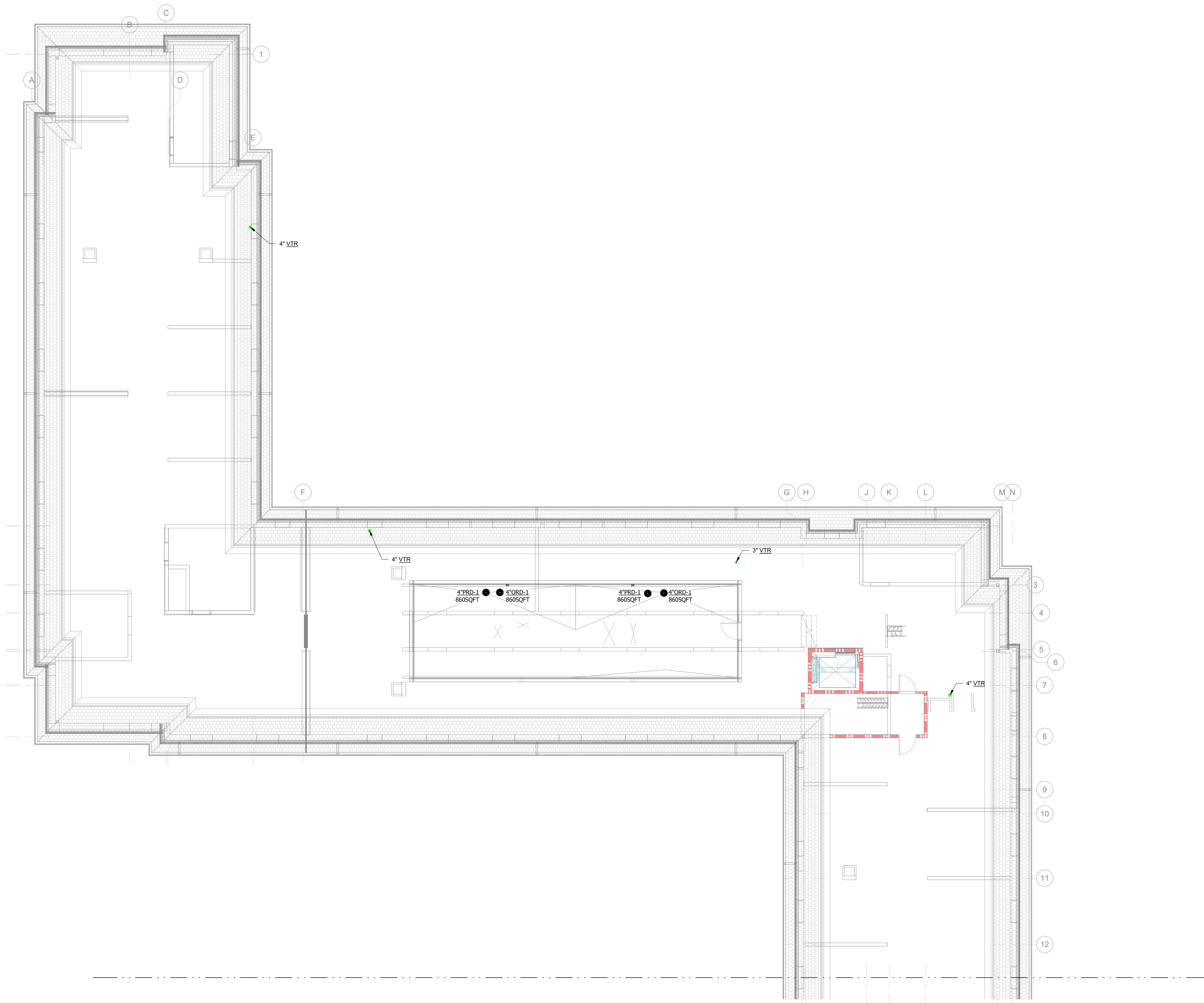
FIRE PARTITIONS

- 1-HR FIRE PARTITION
- 5-HR FIRE PARTITION

KEY PLAN



NOT TO SCALE



1 PLUMBING WASTE/VENT PLAN - ROOF - AREA A
 0 1 2 4 8 16 24 32
 1/8" = 1'-0"

SHEET KEYED NOTES



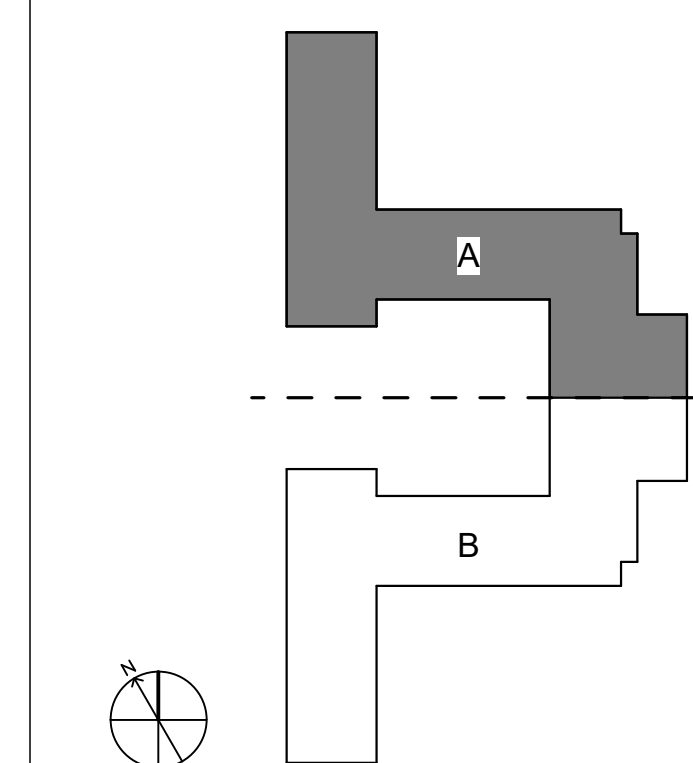
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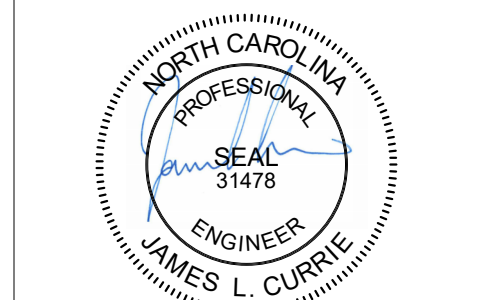
RATED WALLS AND PARTITIONS

FIRE BARRIERS	FIRE PARTITIONS
2-HR FIRE BARRIER [Red dashed line symbol]	1-HR FIRE PARTITION [Red solid line symbol]
1-HR FIRE BARRIER [Red dashed line symbol]	5-HR FIRE PARTITION [Red solid line symbol]

KEY PLAN



NOT TO SCALE



RUNCW25

SCO # 24-29053-02D

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NO.	REASON	DATE

PROJECT TEAM
 PRINCIPAL IN CHARGE
 JAMES CURRIE, PE
 PROJECT MANAGER
 DAN KNOX, PE
 DESIGN TEAM
 REBECCA CLEWETT

UNIVERSITY OF NORTH
 CAROLINA AT WILMINGTON
 HOUSING VILLAGE PHASE 3

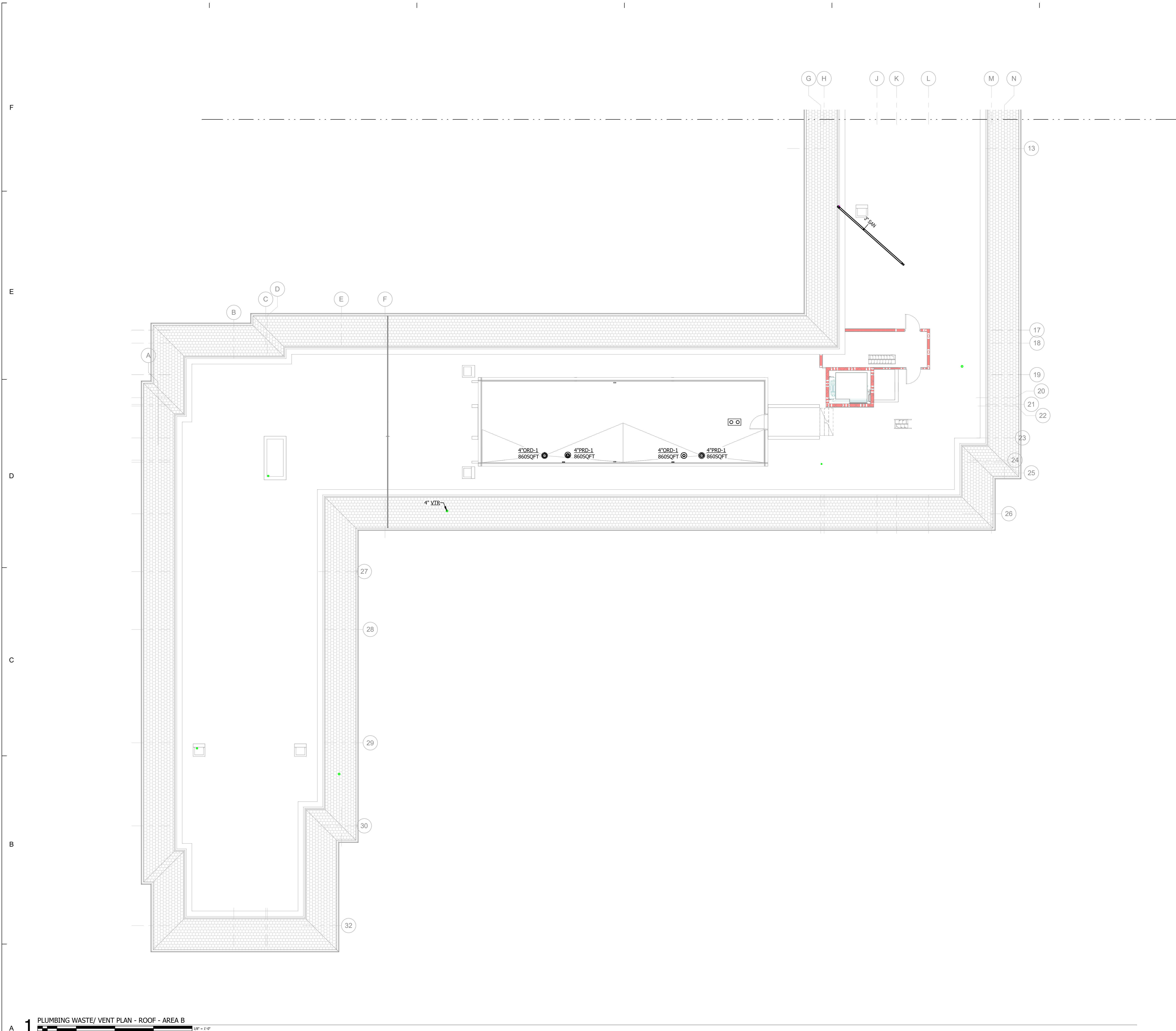
UNC WILMINGTON, NC

PROJECT NO.
 514.23018.00

SHEET TITLE
 PLUMBING WASTE/VENT
 PLAN - ROOF - AREA A

SHEET NUMBER
 P206A

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1 PLUMBING WASTE/ VENT PLAN - ROOF - AREA B
 0 1 2 4 8 16 24 32 1/8" = 1'-0"

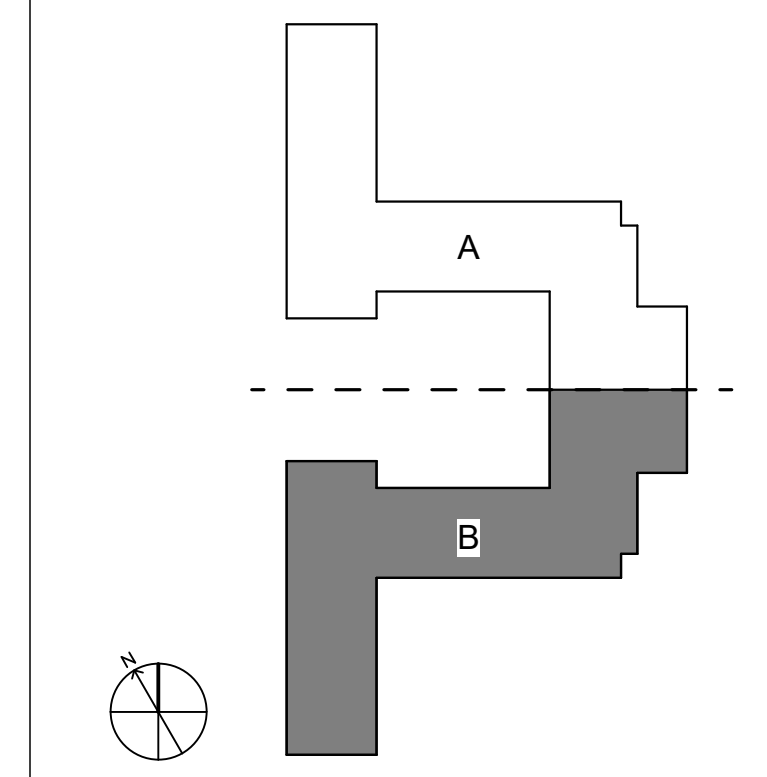
SHEET KEYED NOTES

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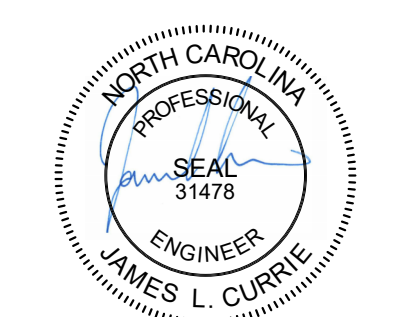
RATED WALLS AND PARTITIONS

FIRE BARRIERS	FIRE PARTITIONS
2-HR FIRE BARRIER [Symbol]	1-HR FIRE PARTITION [Symbol]
1-HR FIRE BARRIER [Symbol]	5-HR FIRE PARTITION [Symbol]

KEY PLAN



NOT TO SCALE



RUNCW25

SCO # 24-29053-02D

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PROJECT TEAM
 PRINCIPAL IN CHARGE
JAMES CURRIE, PE
 PROJECT MANAGER
DAN KNOX, PE
 DESIGN TEAM
REBECCA CLEWETT

UNIVERSITY OF NORTH CAROLINA AT WILMINGTON HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

PROJECT NO.
514.23018.00

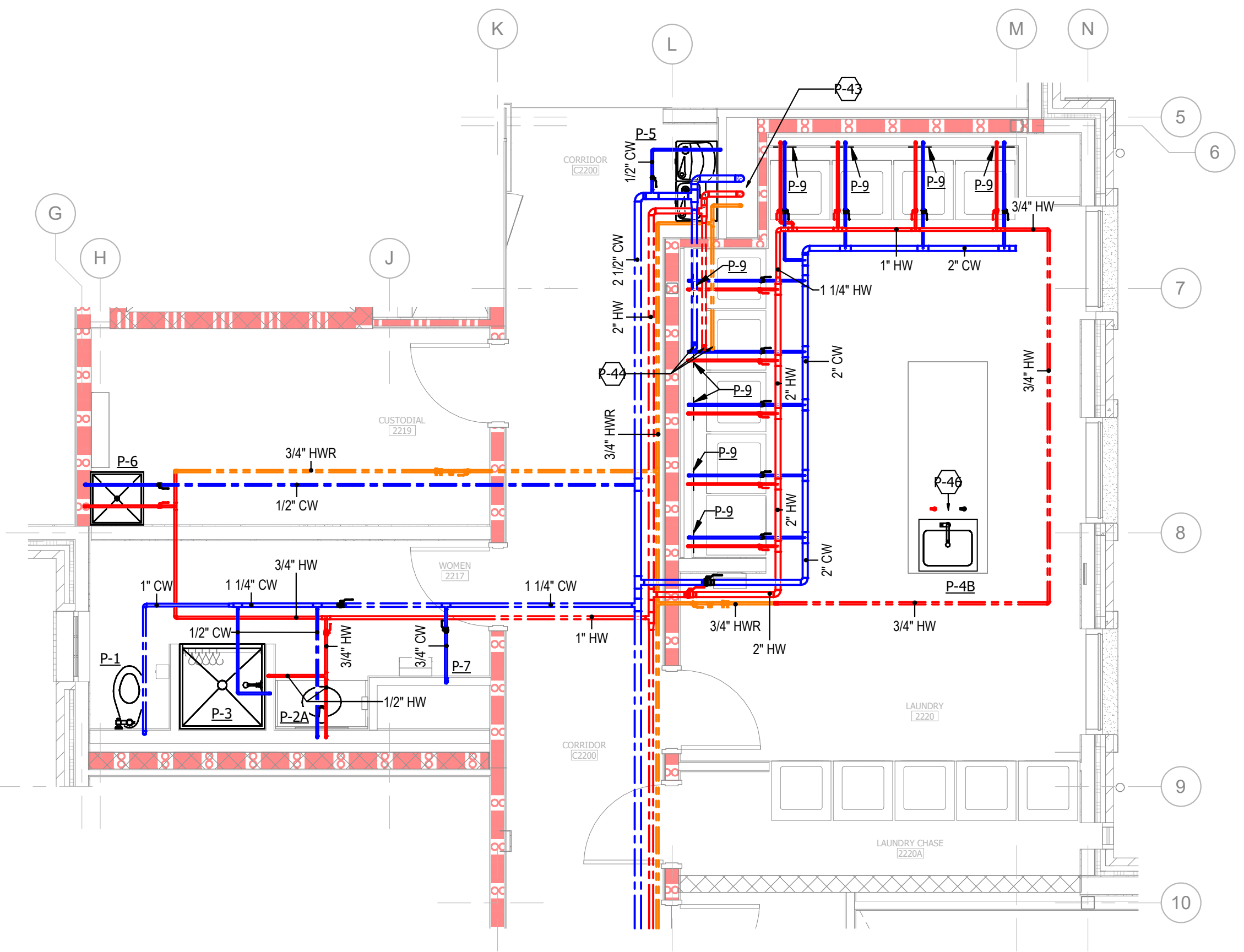
SHEET TITLE
 PLUMBING WASTE/VENT PLAN - ROOF - AREA B

SHEET NUMBER
P206B

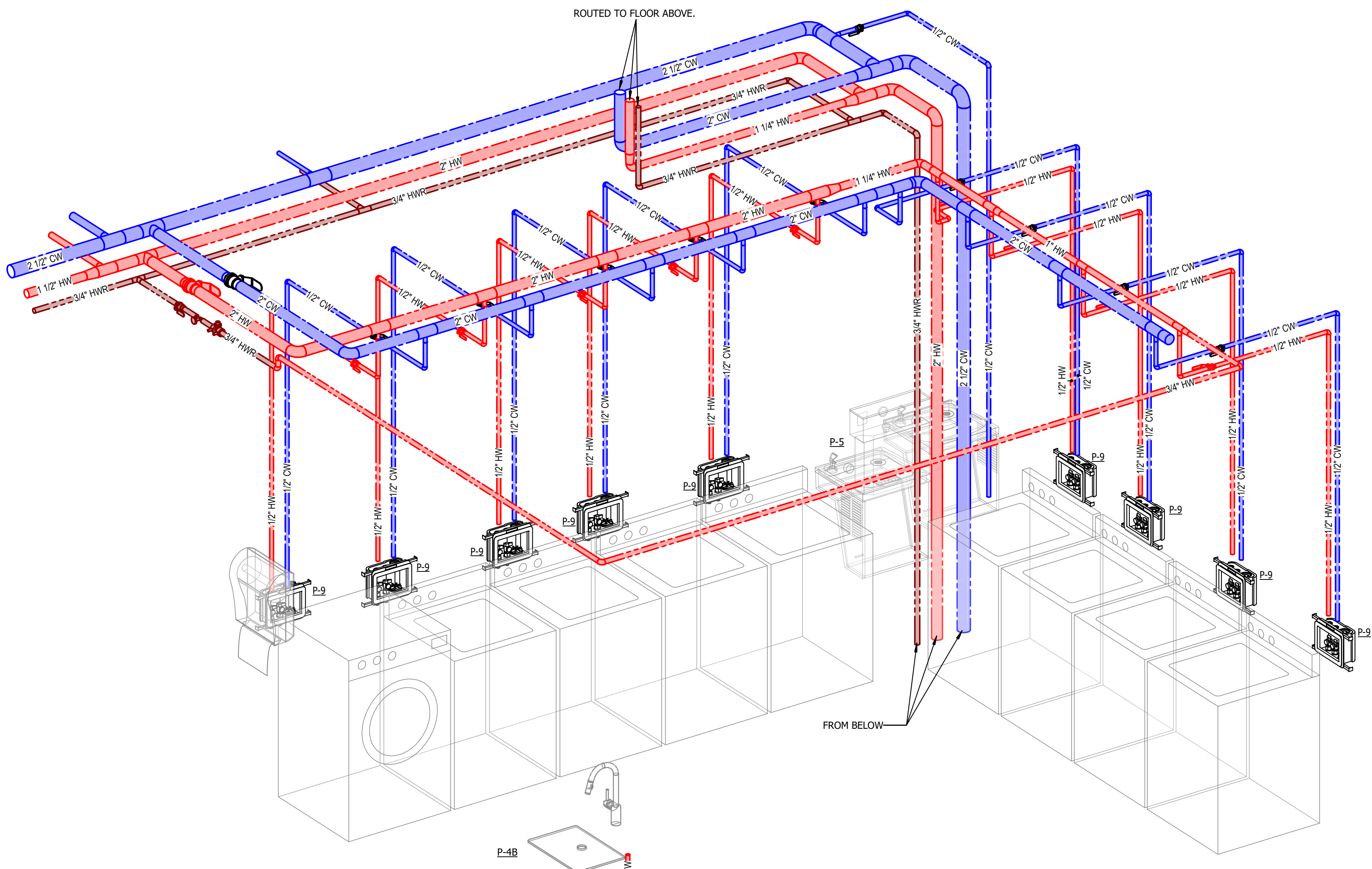
NO.	REASON	DATE

SHEET KEYED NOTES

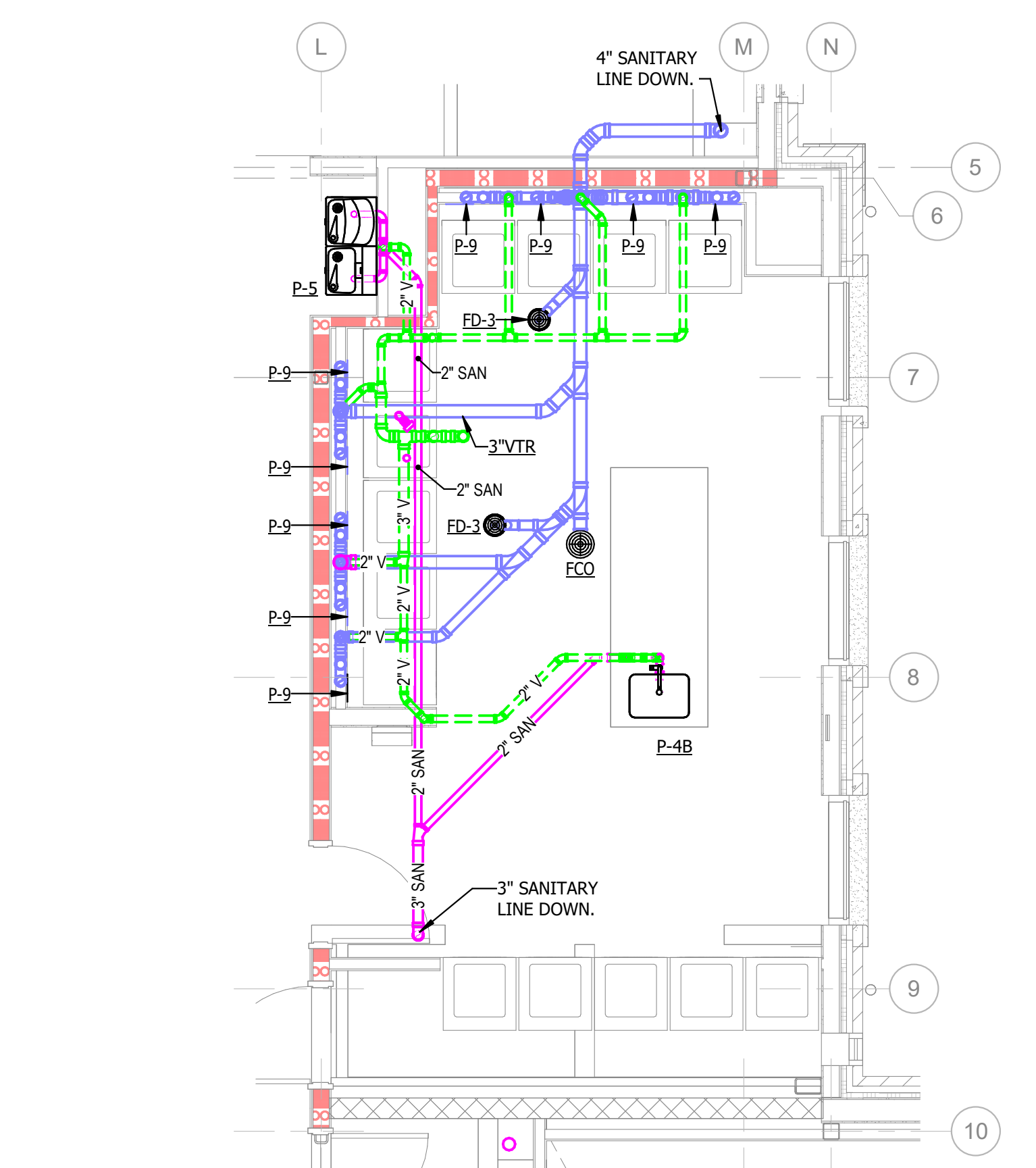
P-43 2-1/2" CW FROM BELOW, 2" HW FROM BELOW, AND 3/4" HWR DOWN.
P-44 2" CW UP, 1-1/4" HW UP, AND 3/4" DOWN FROM ABOVE.
P-46 1/2" HW & CW FROM BELOW. SHUTOFF VALVES TO BE LOCATED IN CASEWORK.



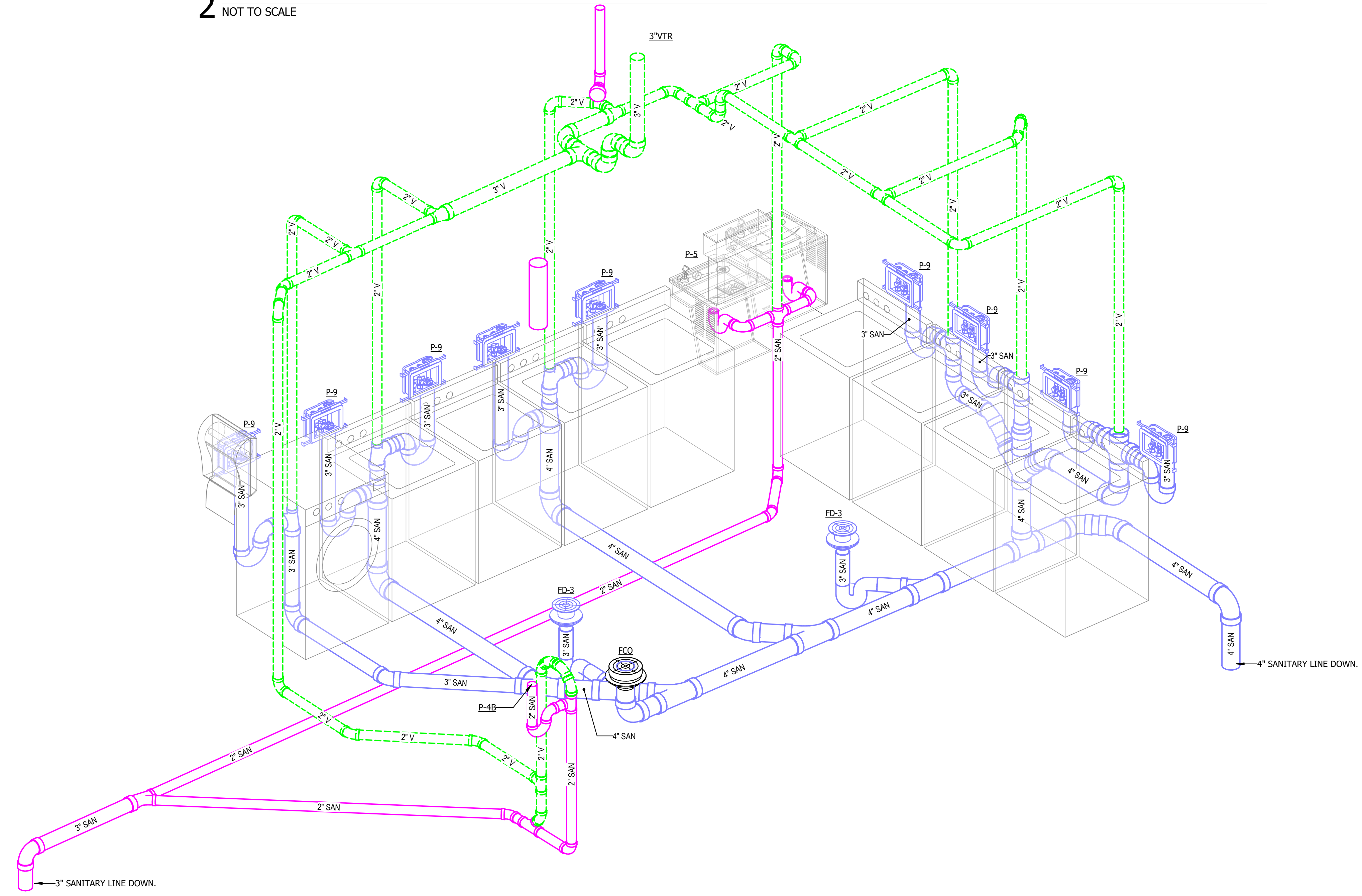
1 PLUMBING PLAN - DOMESTIC WATER - LEVEL 02 - AREA A - ENLARGED LAUNDRY
1/4" = 1'-0"



2 LEVEL 02 - AREA A - LAUNDRY ISOMETRIC - WATER
NOT TO SCALE



3 PLUMBING WASTE/VENT PLAN - LEVEL 02 - AREA A - ENLARGED LAUNDRY
1/4" = 1'-0"

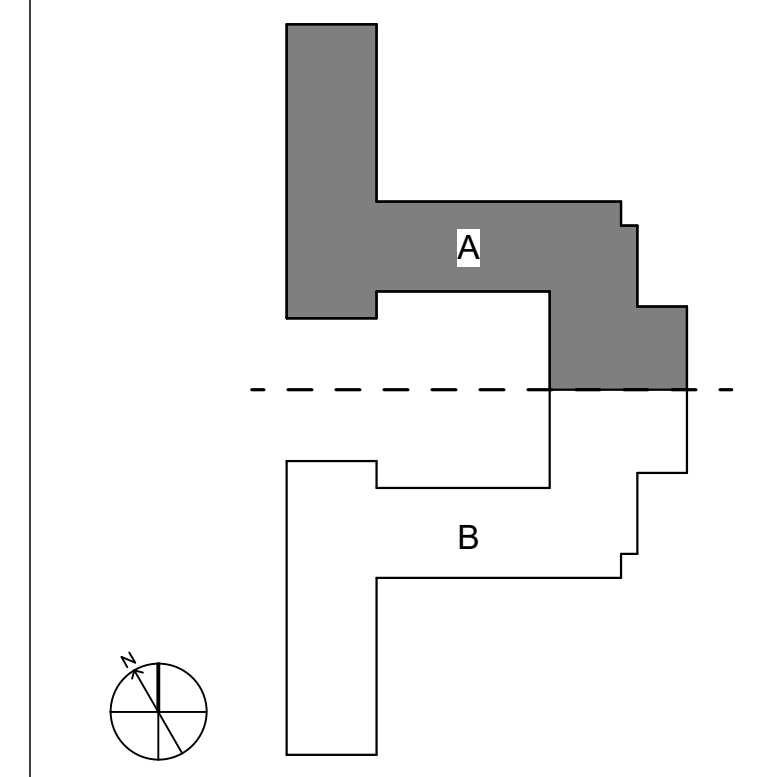


4 LEVEL 02 - AREA A - LAUNDRY ISOMETRIC - WASTE/VENT
NOT TO SCALE

RATED WALLS AND PARTITIONS

FIRE BARRIERS	FIRE PARTITIONS
2-HR FIRE BARRIER	1-HR FIRE PARTITION
1-HR FIRE BARRIER	5-HR FIRE PARTITION

KEY PLAN



NOT TO SCALE

SHEET KEYED NOTES

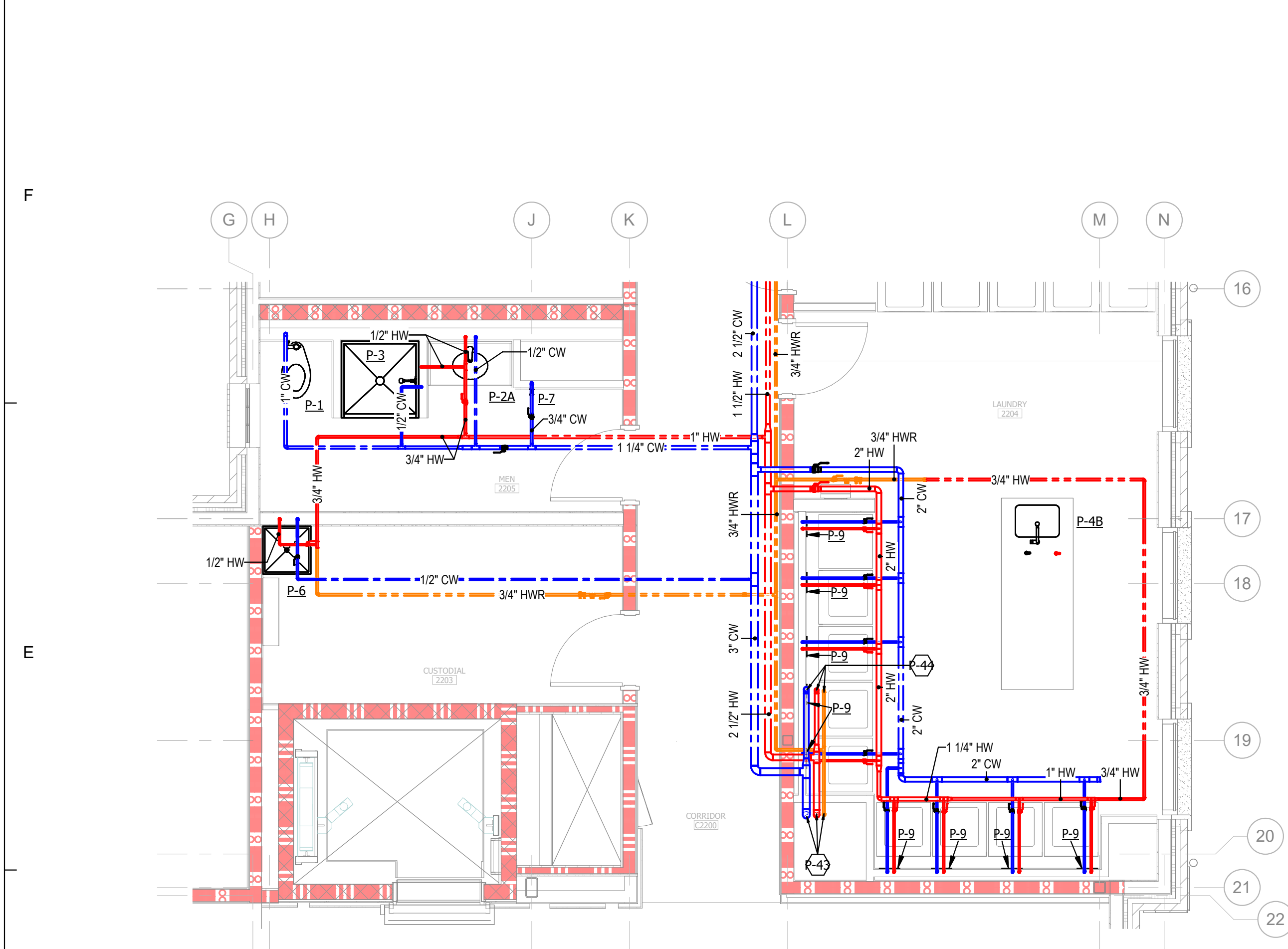
P-24 4" SANITARY WASTE LINE DOWN FROM ABOVE, PROVIDE WCO IN BASE OF STACK.

P-31 4" SANITARY WASTE LINE DOWN.

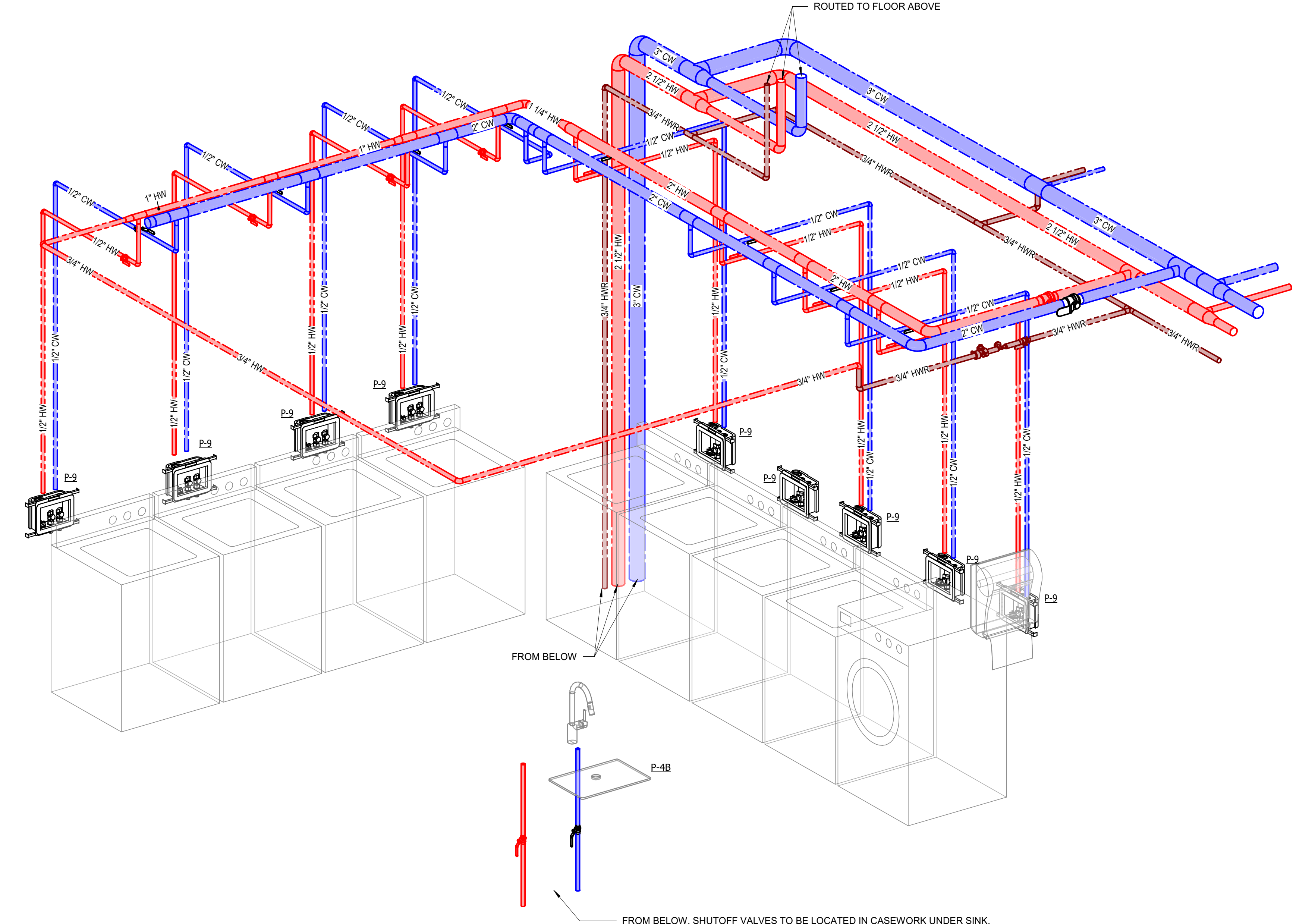
P-43 2-1/2" CW FROM BELOW, 2" HW FROM BELOW, AND 3/4" HWR DOWN.

P-44 2" CW UP, 1-1/4" HW UP, AND 3/4" DOWN FROM ABOVE.

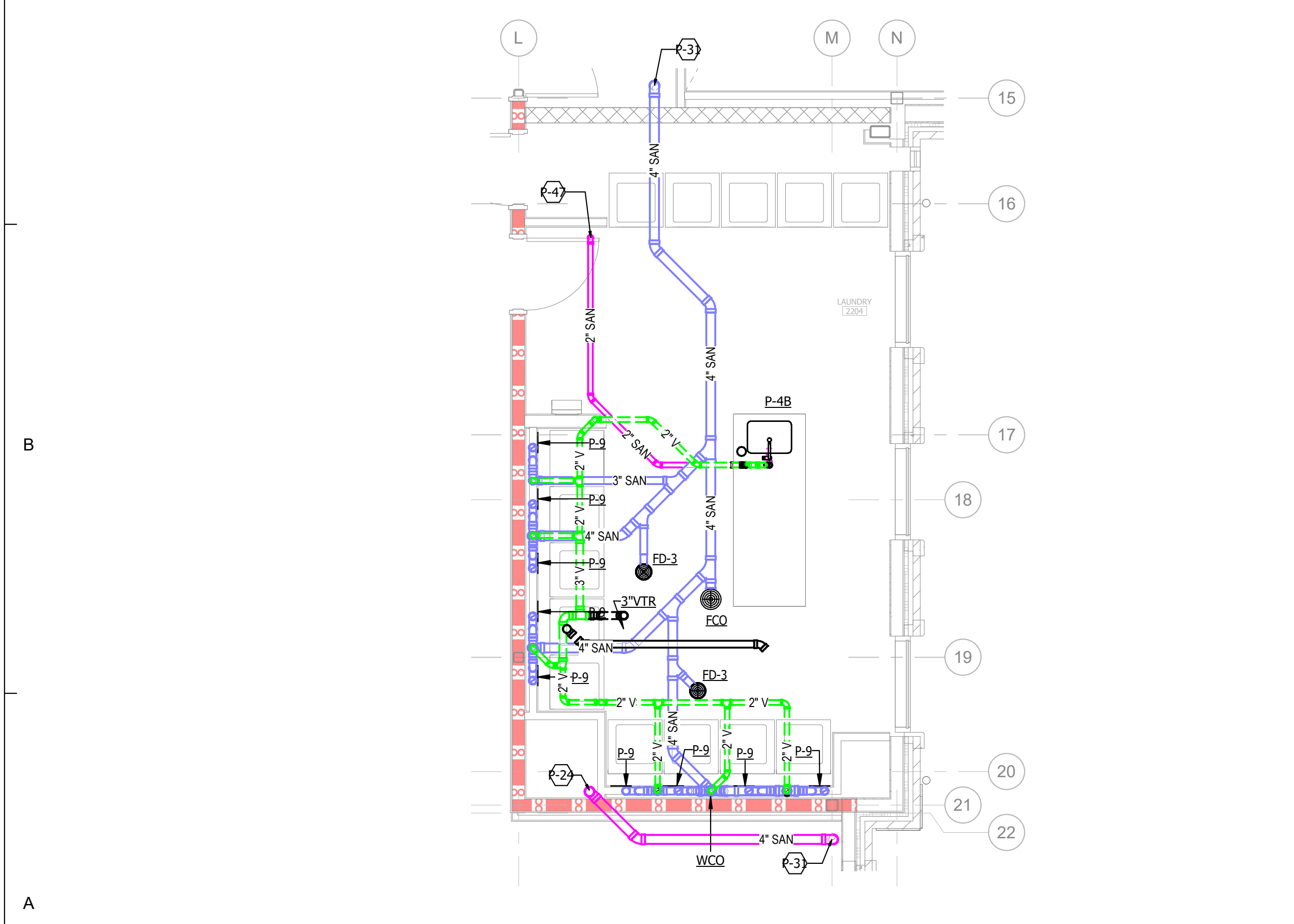
P-47 2" SANITARY WASTE LINE DOWN.



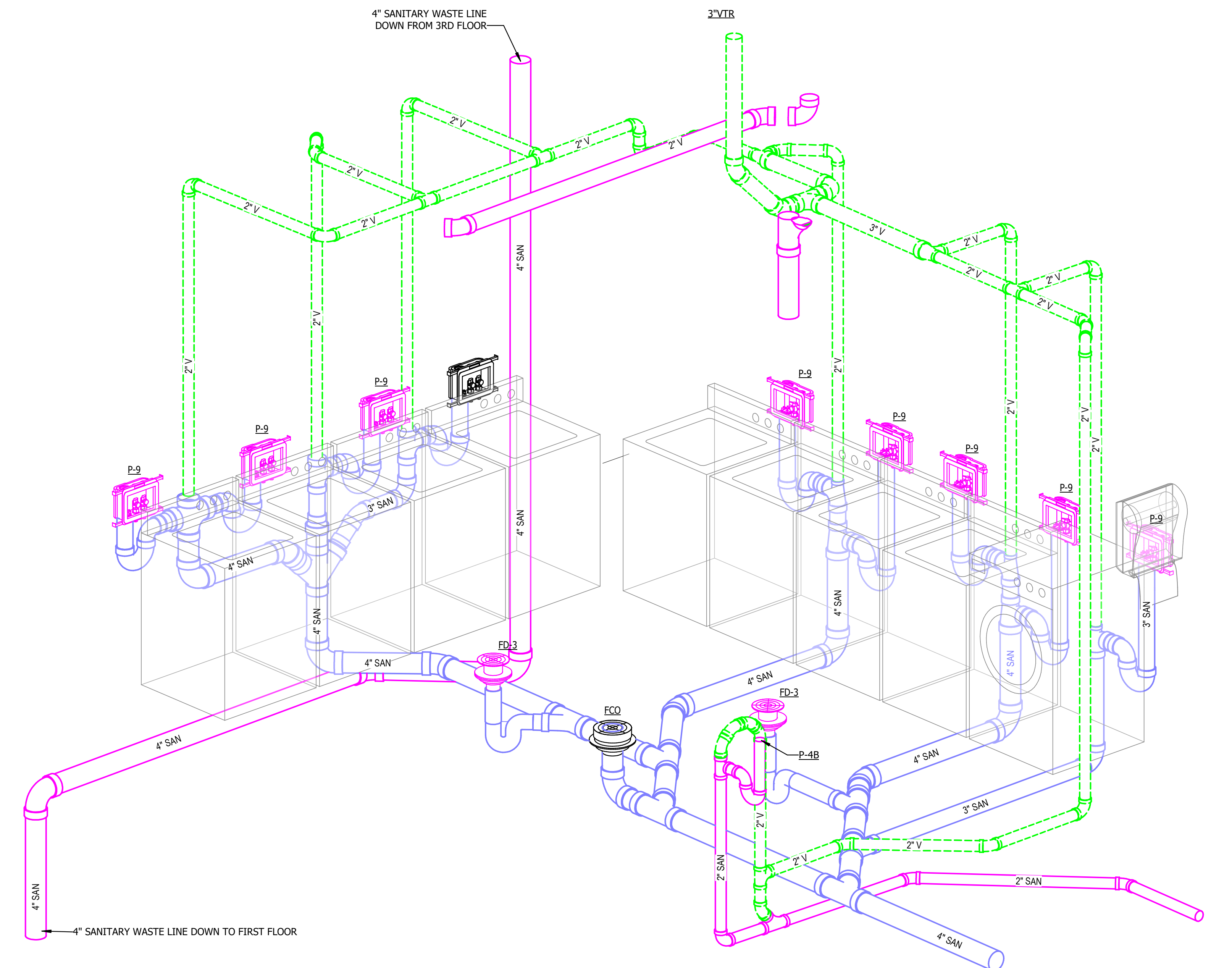
1 PLUMBING PLAN - DOMESTIC WATER - LEVEL 02 - AREA B - ENLARGED LAUNDRY
1/4" = 1'-0"



2 LEVEL 02 - AREA B - LAUNDRY ISOMETRIC - WATER
NOT TO SCALE



3 PLUMBING WASTE/VENT PLAN - LEVEL 02 - AREA B - ENLARGED LAUNDRY
1/4" = 1'-0"

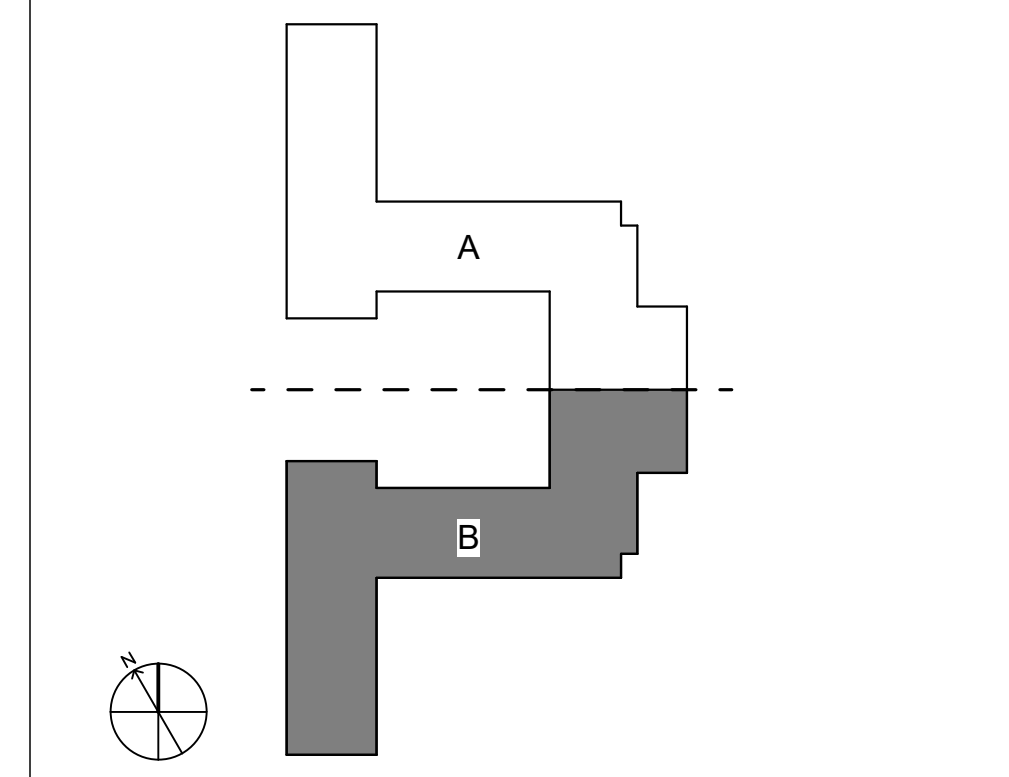


4 LEVEL 02 - AREA B - LAUNDRY ISOMETRIC - WASTE/VENT
NOT TO SCALE

RATED WALLS AND PARTITIONS

FIRE BARRIERS	FIRE PARTITIONS
2-HR FIRE BARRIER	1-HR FIRE PARTITION
1-HR FIRE BARRIER	5-HR FIRE PARTITION

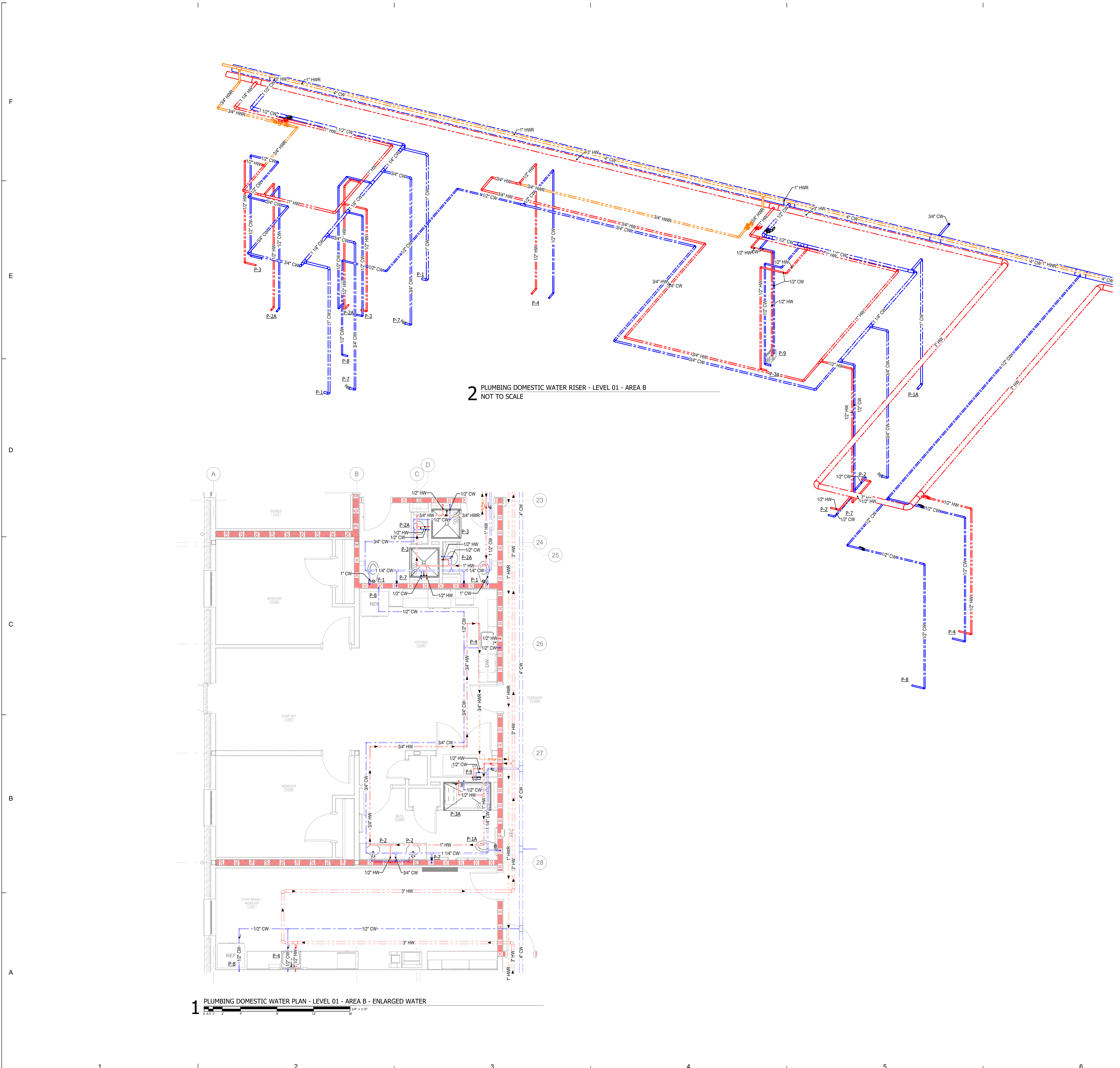
KEY PLAN



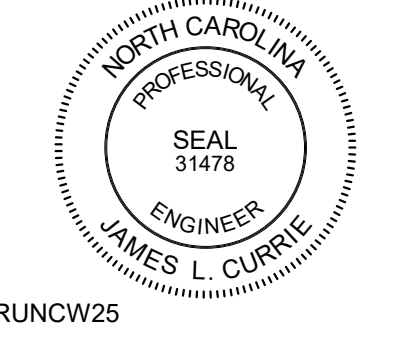
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SHEET KEYED NOTES



RUNCW25

SCO # 24-29053-02D

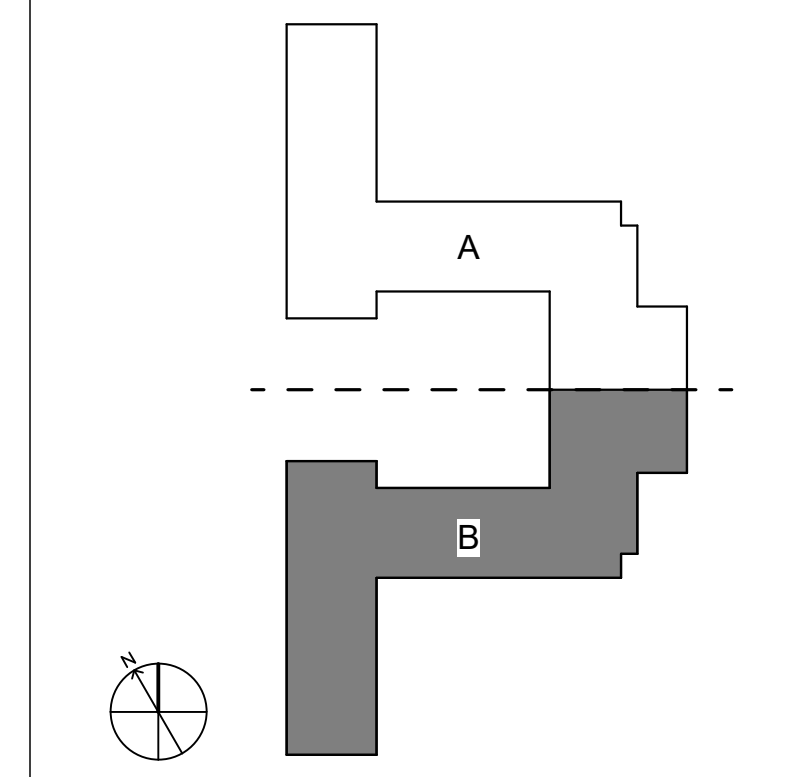
ISSUE FOR
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RATED WALLS AND PARTITIONS

FIRE BARRIERS	FIRE PARTITIONS
2-HR FIRE BARRIER 	1-HR FIRE PARTITION
1-HR FIRE BARRIER 	5-HR FIRE PARTITION

KEY PLAN



NOT TO SCALE

PROJECT TEAM
 PRINCIPAL IN CHARGE
 JAMES CURRIE, PE
 PROJECT MANAGER
 DAN KNOX, PE
 DESIGN TEAM
 REBECCA CLEWETT

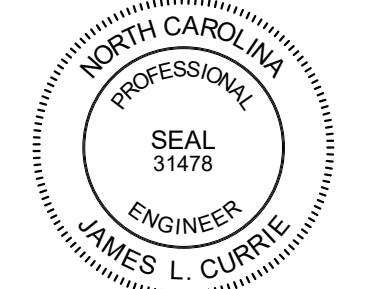
UNIVERSITY OF NORTH CAROLINA AT WILMINGTON
 HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

PROJECT NO.
514.23018.00

SHEET TITLE
 PLUMBING DOMESTIC WATER ENLARGED PLANS - LEVEL 01 - AREA B

SHEET NUMBER
P604



RUNCW25

SCO # 24-29053-02D

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ISSUE DATE
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REVISIONS		
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PROJECT TEAM
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JAMES CURRIE, PE
PROJECT MANAGER
DAN KNOX, PE
DESIGN TEAM
REBECCA CLEWETT

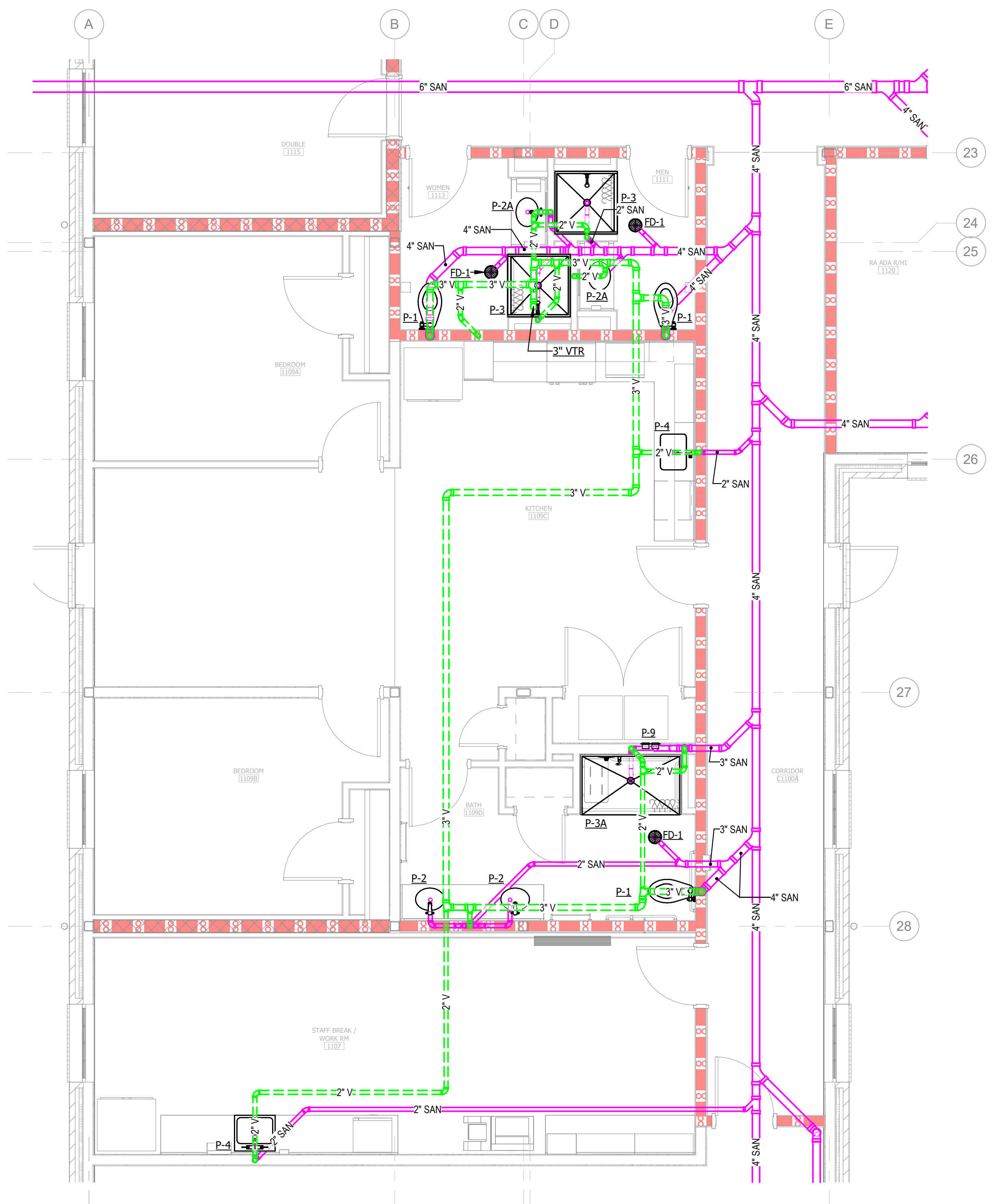
UNIVERSITY OF NORTH
CAROLINA AT WILMINGTON
HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

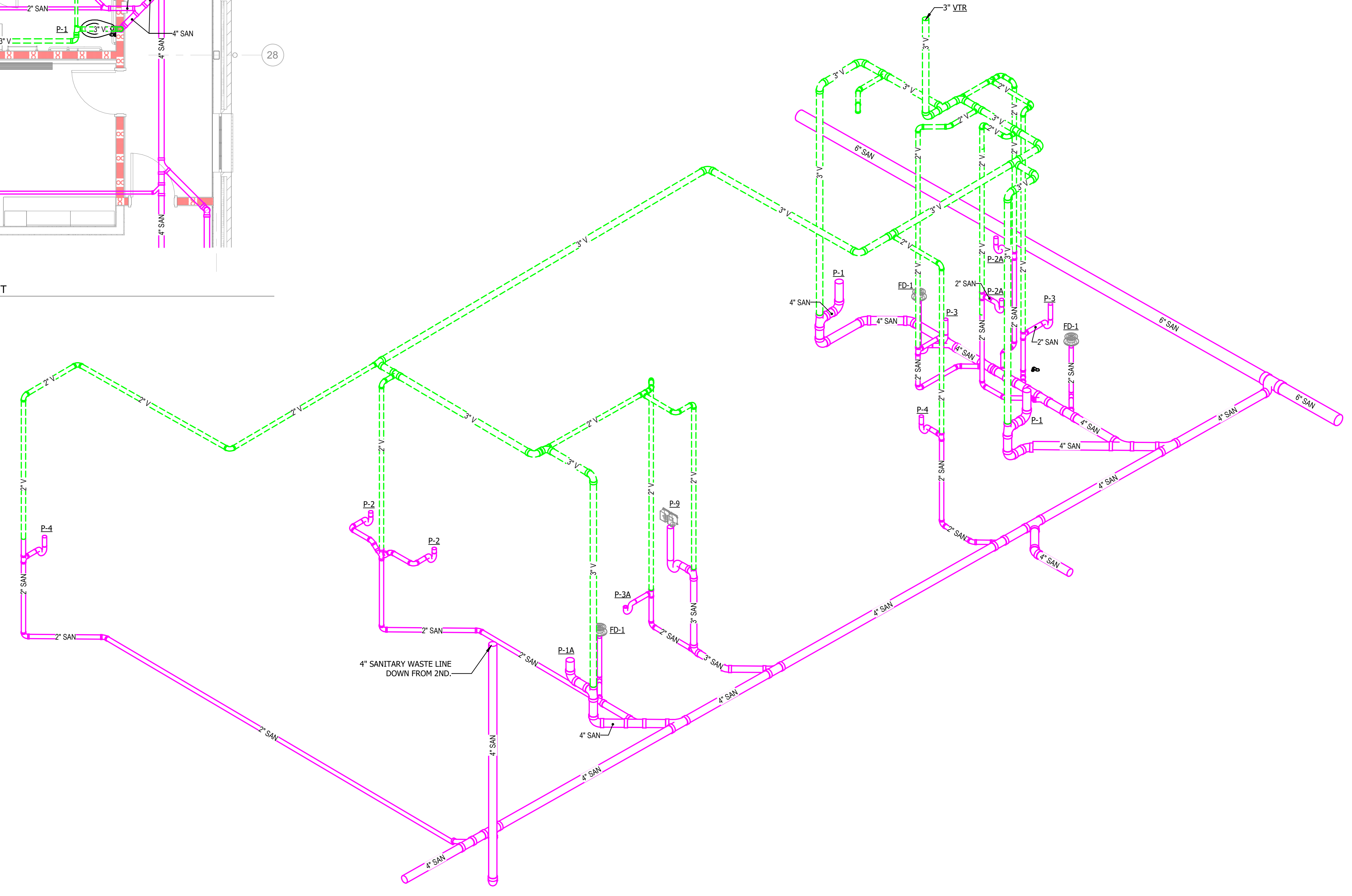
PROJECT NO.
514.23018.00

SHEET TITLE
PLUMBING WASTE/VENT
ENLARGED PLAN - LEVEL
01 - AREA B

SHEET NUMBER
P605



1 PLUMBING WASTE/VENT PLAN - LEVEL 01 - AREA B - ENLARGED WASTE/VENT
1"=1'-0" 0 0.5' 1' 1.5' 2' 2.5' 3' 3.5' 4' 4.5' 5' 5.5' 6'

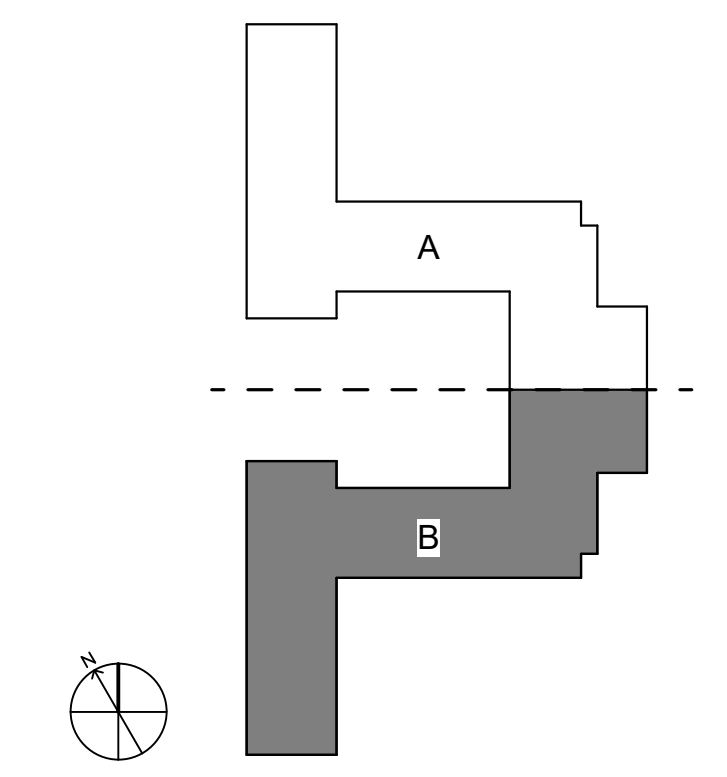


2 PLUMBING WASTE/VENT RISER - LEVEL 01 AREA B
NOT TO SCALE

RATED WALLS AND PARTITIONS

FIRE BARRIERS	FIRE PARTITIONS
2-HR FIRE BARRIER [Red line with '2']	1-HR FIRE PARTITION [Red line with '1']
1-HR FIRE BARRIER [Red line with '1']	5-HR FIRE PARTITION [Red line with '5']

KEY PLAN



NOT TO SCALE

Autodesk Docs/UNC Wilmington - Housing Village Phase 3/RUNCW25 - UNCW Residence Hall_FMEP_R24.rvt
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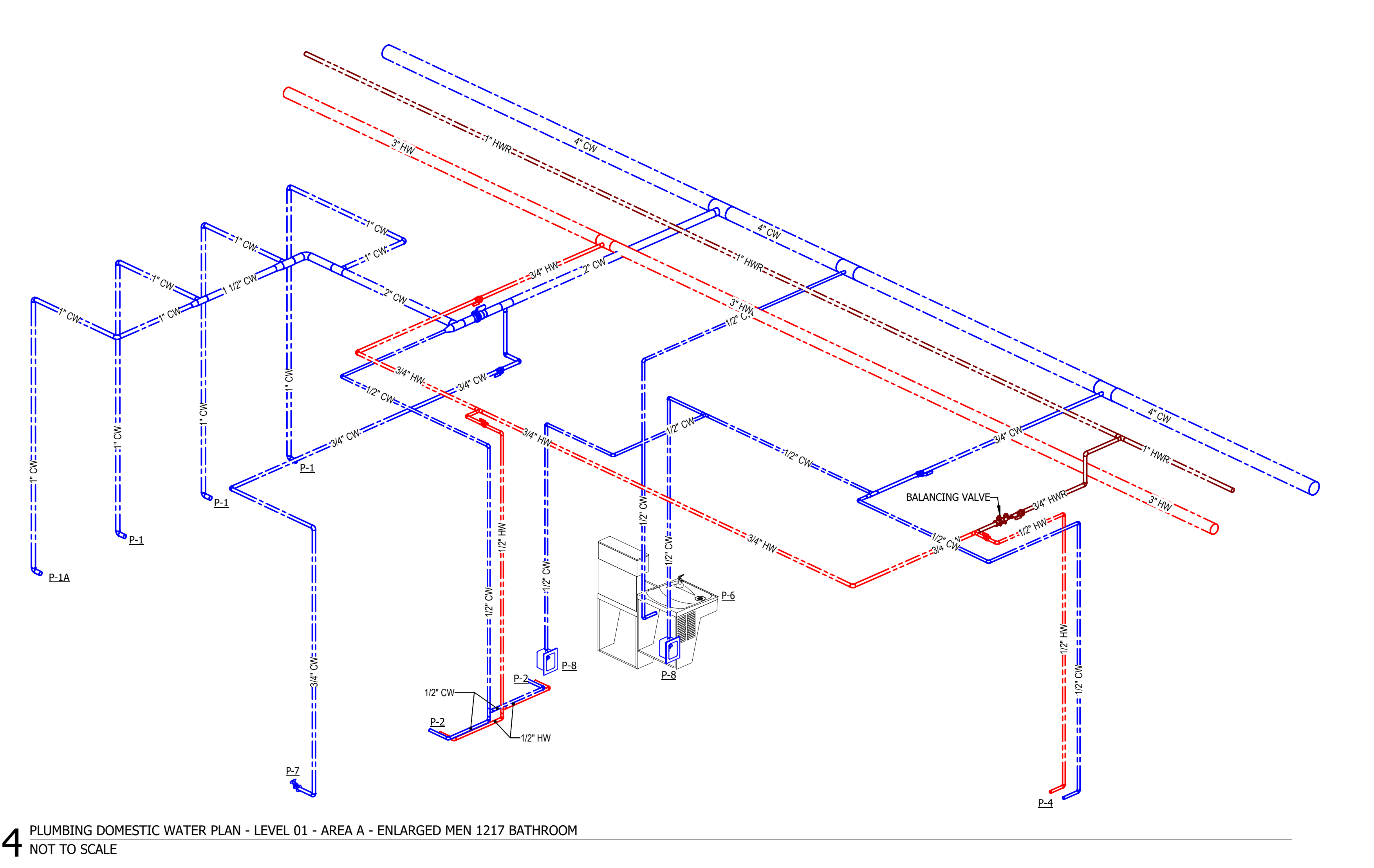
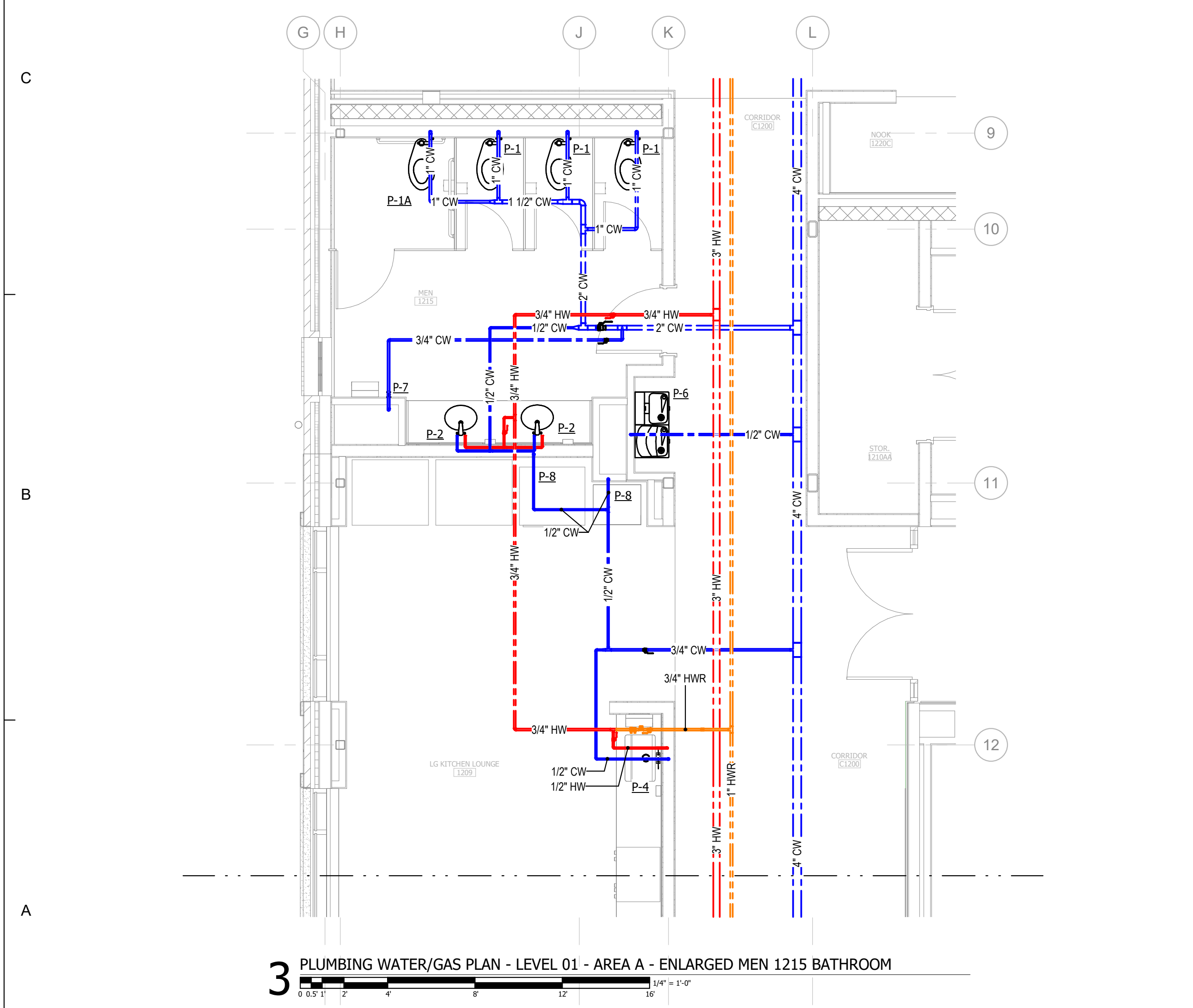
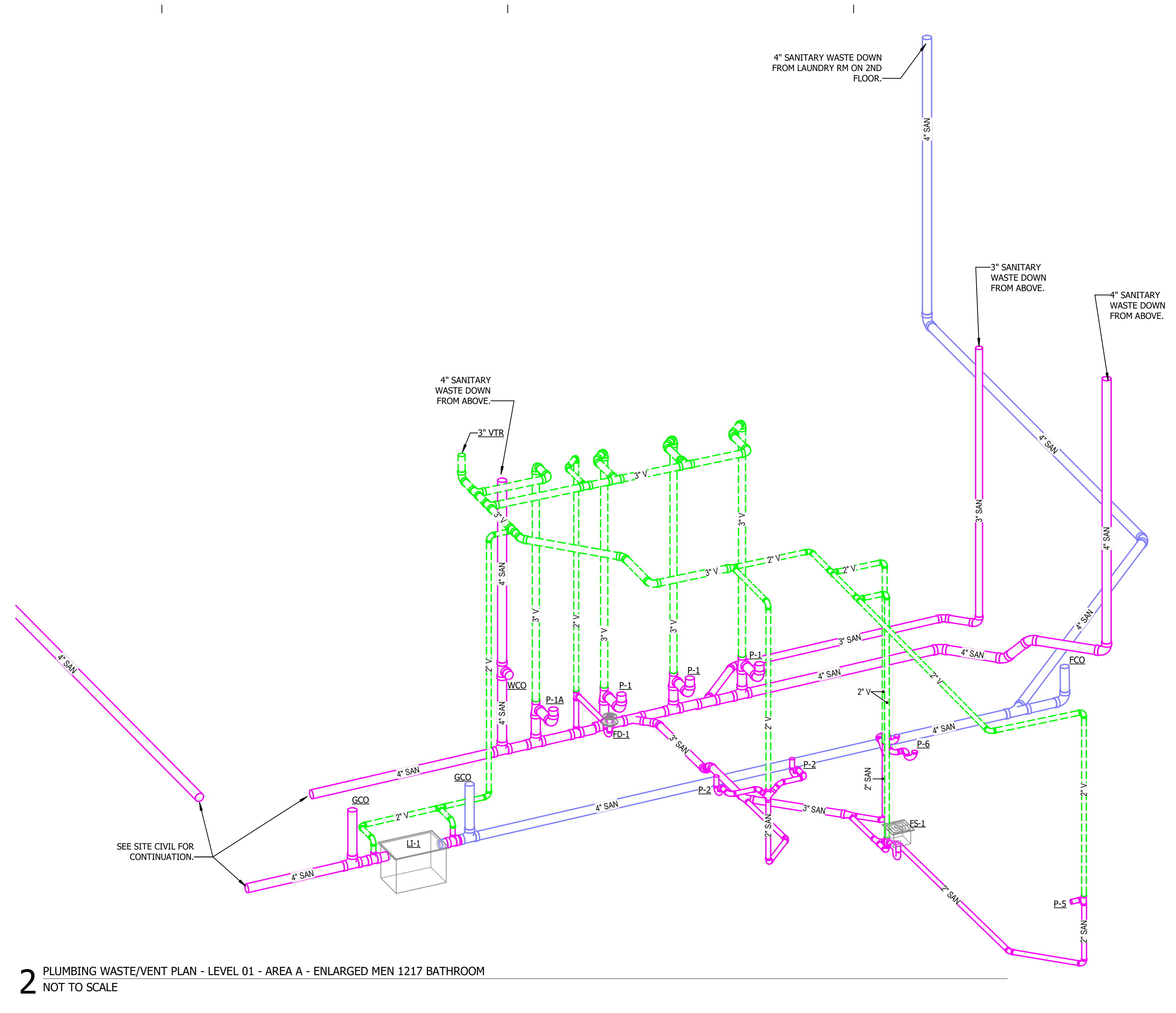
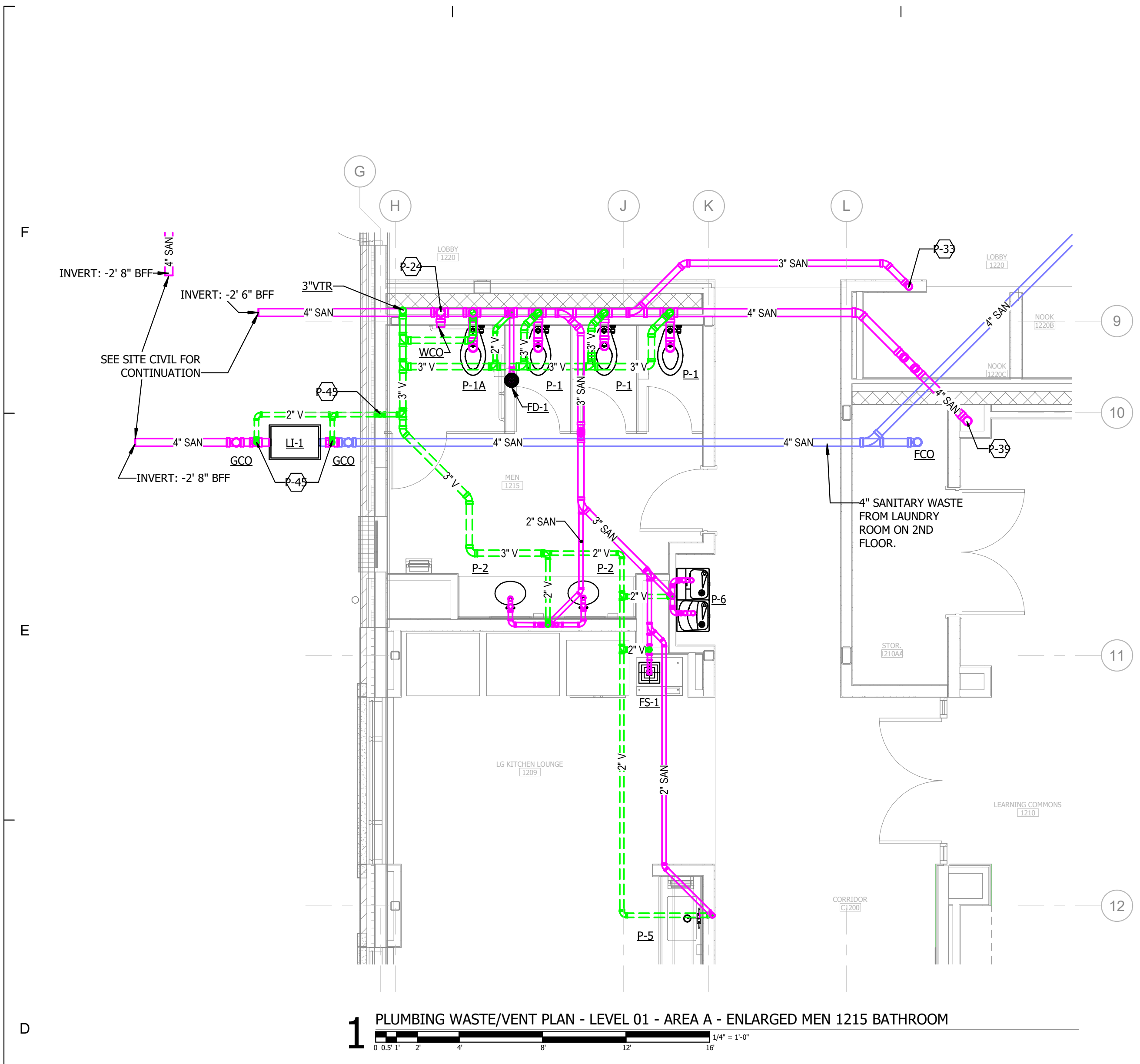
SHEET KEYED NOTES

P-24 4" SANITARY WASTE LINE DOWN FROM ABOVE, PROVIDE WCO IN BASE OF STACK.

P-33 3" SANITARY WASTE LINE DOWN FROM ABOVE, PROVIDE WCO IN BASE OF STACK.

P-39 4" SANITARY WASTE LINE FROM ABOVE. LINE WILL OFFSET IN THE VERTICLE TO CONTINUE DECENT TO LEVEL 01.

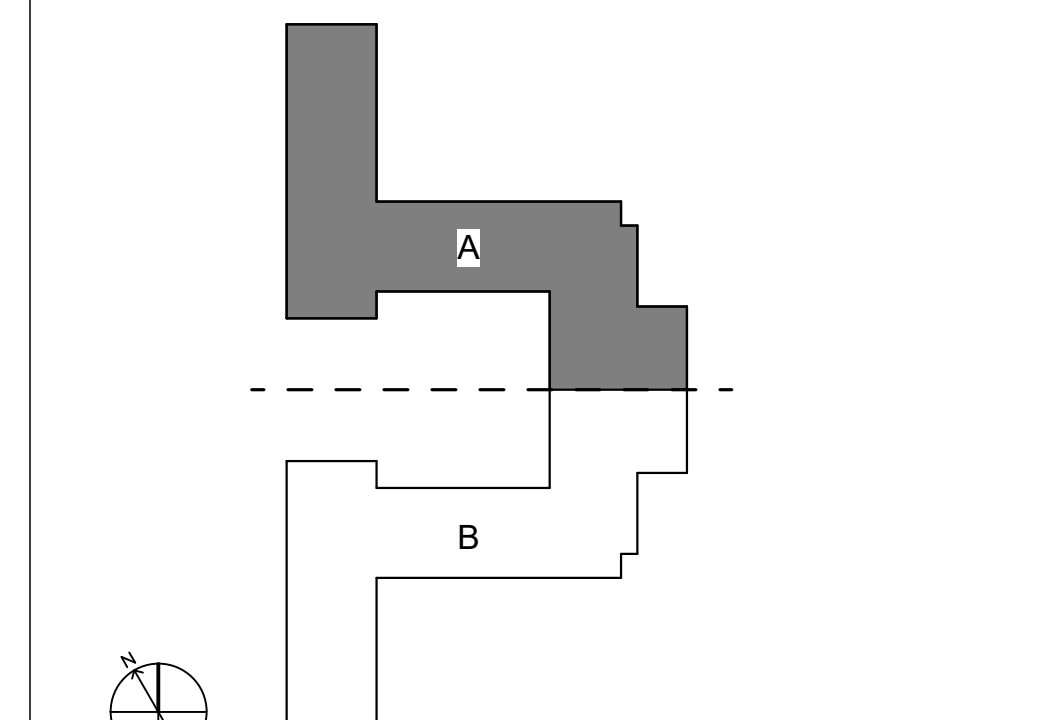
P-45 2" VENT DOWN UNDERGROUND TO SERVE LL-1. CONNECT VENT LINE TO TOP OF PIPE UNDERGROUND.

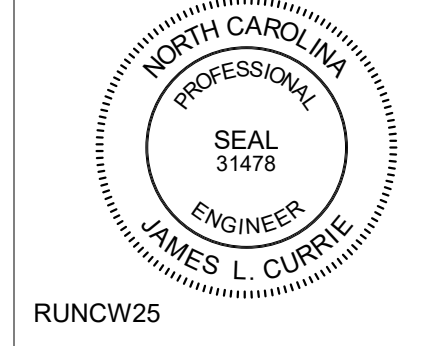


RATED WALLS AND PARTITIONS

FIRE BARRIERS	FIRE PARTITIONS
2-HR FIRE BARRIER	1-HR FIRE PARTITION
1-HR FIRE BARRIER	5-HR FIRE PARTITION

KEY PLAN





RUNCW25

SCO # 24-29053-02D

ISSUE FOR
COMPLETE PACKAGE - CONSTRUCTION DOCUMENTS

ISSUE DATE
01.15.2026

REVISIONS

NO.	REASON	DATE

PROJECT TEAM
PRINCIPAL IN CHARGE
JAMES CURRIE, PE
PROJECT MANAGER
DAN KNOX, PE
DESIGN TEAM
REBECCA CLEWETT

UNIVERSITY OF NORTH CAROLINA AT WILMINGTON HOUSING VILLAGE PHASE 3

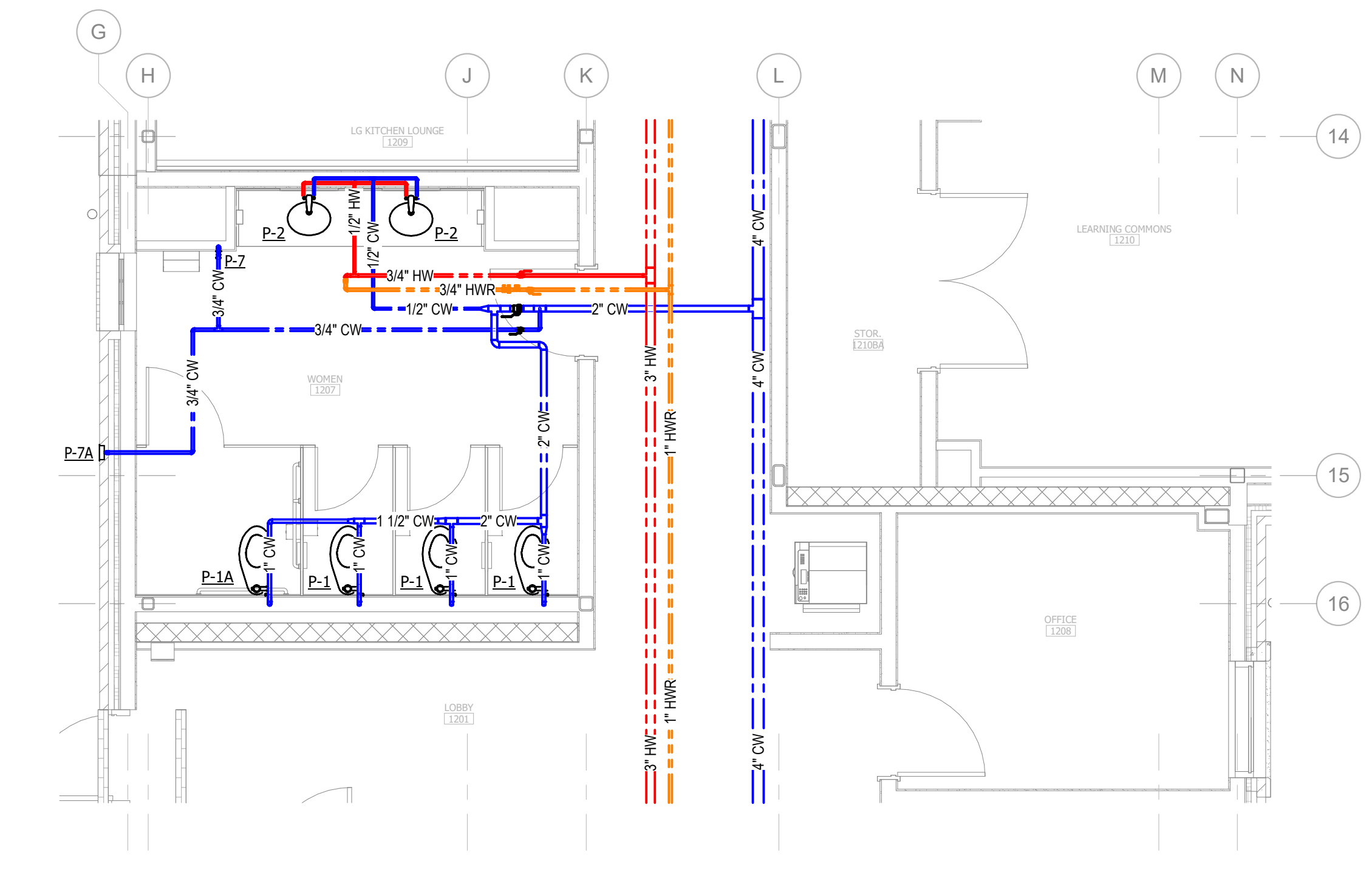
UNC WILMINGTON, NC

PROJECT NO.
514.23018.00

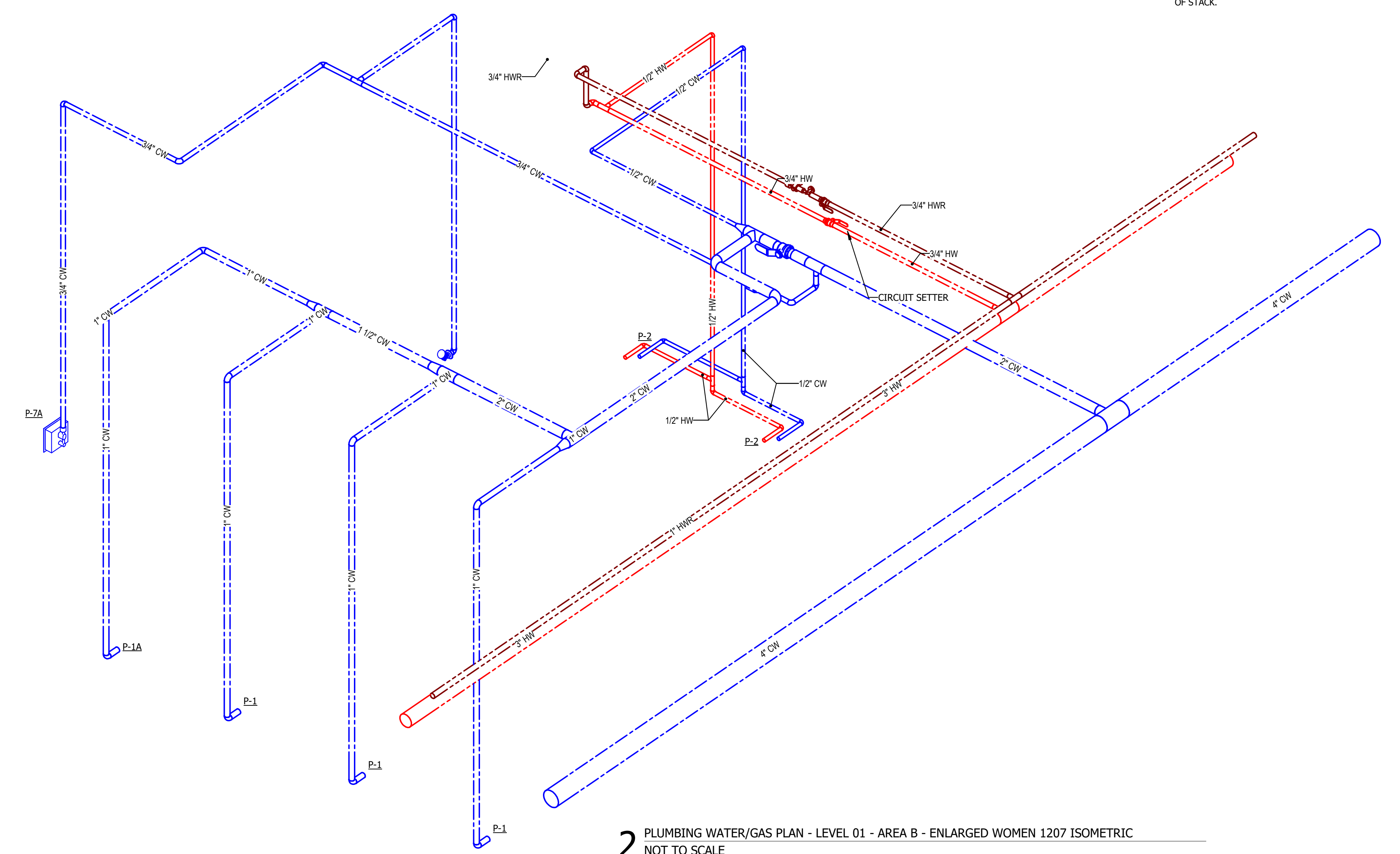
SHEET TITLE
PLUMBING ENLARGED PLANS - LEVEL 01 - AREA B

SHEET NUMBER
P607

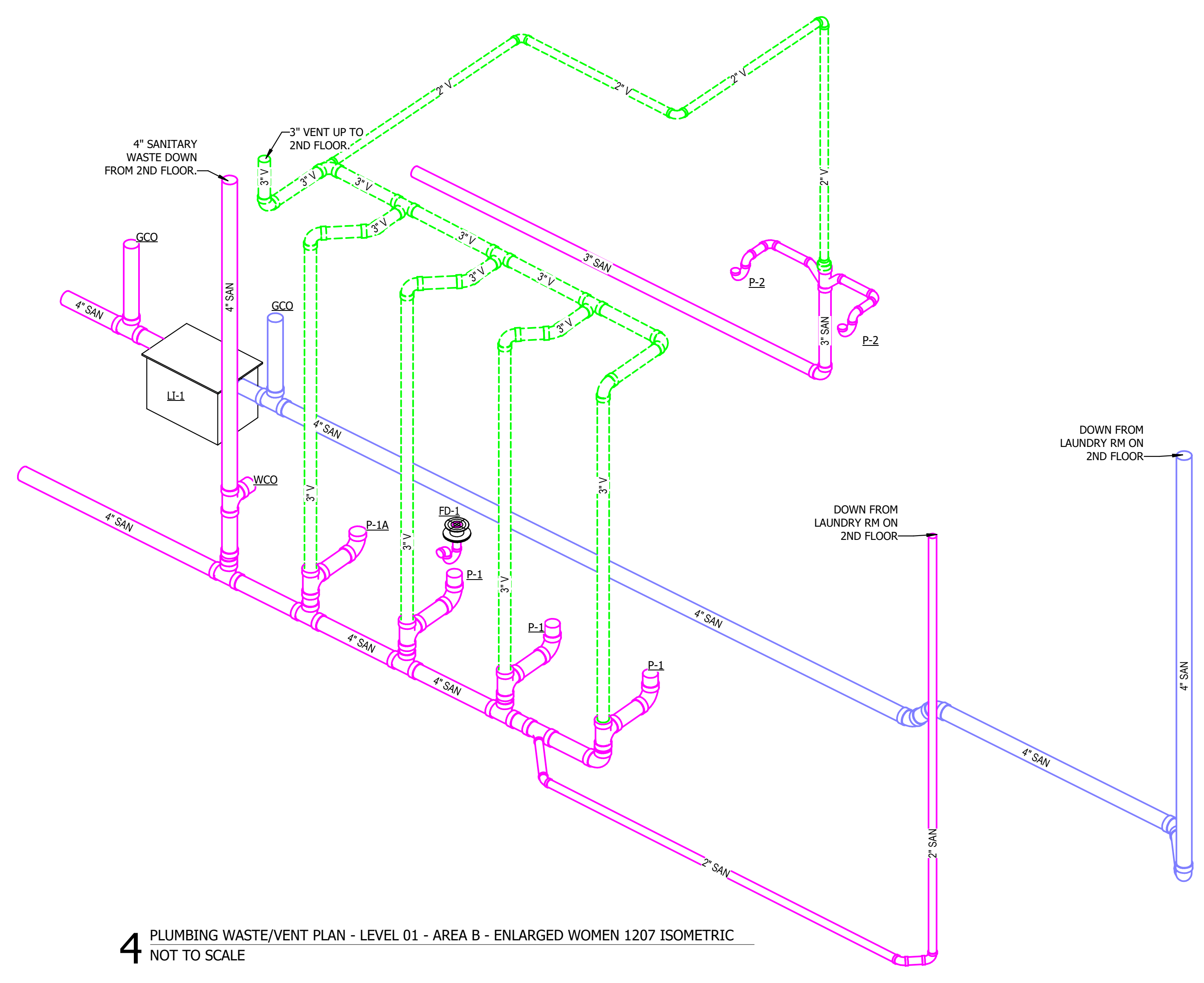
SHEET KEYED NOTES
P-24 4" SANITARY WASTE LINE DOWN FROM ABOVE, PROVIDE WCO IN BASE OF STACK.
P-48 2" SANITARY WASTE LINE DOWN FROM ABOVE, PROVIDE WCO IN BASE OF STACK.



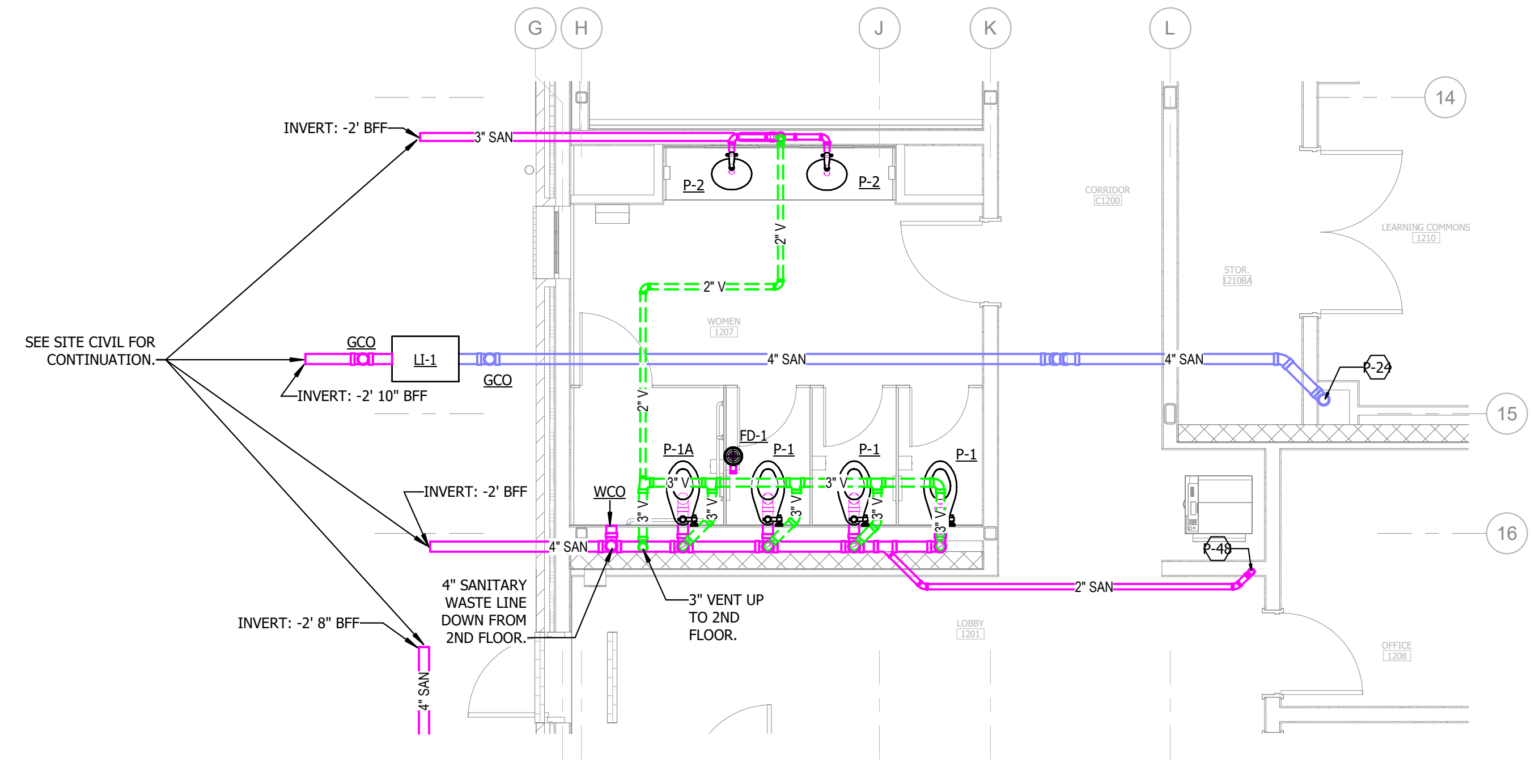
1 PLUMBING DOMESTIC WATER PLAN - LEVEL 01 - AREA B - ENLARGED WOMEN 1207 BATHROOM
0 4 8 12 16 1" = 1'-0"



2 PLUMBING WATER/GAS PLAN - LEVEL 01 - AREA B - ENLARGED WOMEN 1207 ISOMETRIC
NOT TO SCALE



4 PLUMBING WASTE/VENT PLAN - LEVEL 01 - AREA B - ENLARGED WOMEN 1207 ISOMETRIC
NOT TO SCALE

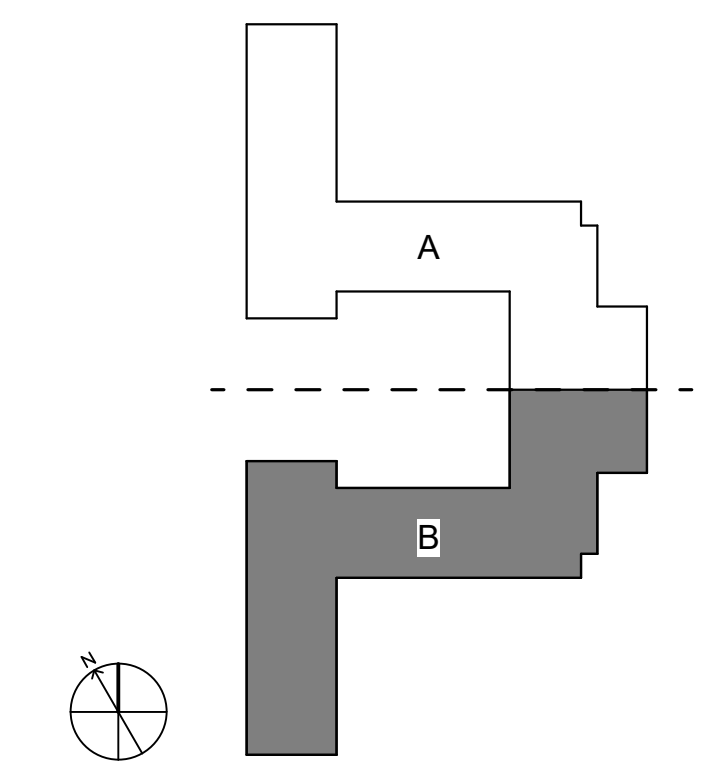


3 PLUMBING WASTE/VENT PLAN - LEVEL 01 - AREA B - ENLARGED WOMEN 1207 BATHROOM
0 4 8 12 16 1" = 1'-0"

RATED WALLS AND PARTITIONS

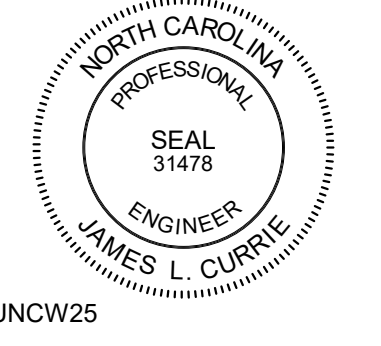
FIRE BARRIERS	FIRE PARTITIONS
2-HR FIRE BARRIER	1-HR FIRE PARTITION
1-HR FIRE BARRIER	5-HR FIRE PARTITION

KEY PLAN



NOT TO SCALE

Autodesk Docs/UNC Wilmington - Housing Village Phase 3/RUNCW25 - UNCW Residence Hall_FMEP_R24.rvt
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RUNCW25

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CONSTRUCTION
DOCUMENTS**
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PROJECT TEAM
PRINCIPAL IN CHARGE
JAMES CURRIE, PE
PROJECT MANAGER
DAN KNOX, PE
DESIGN TEAM
REBECCA CLEWETT

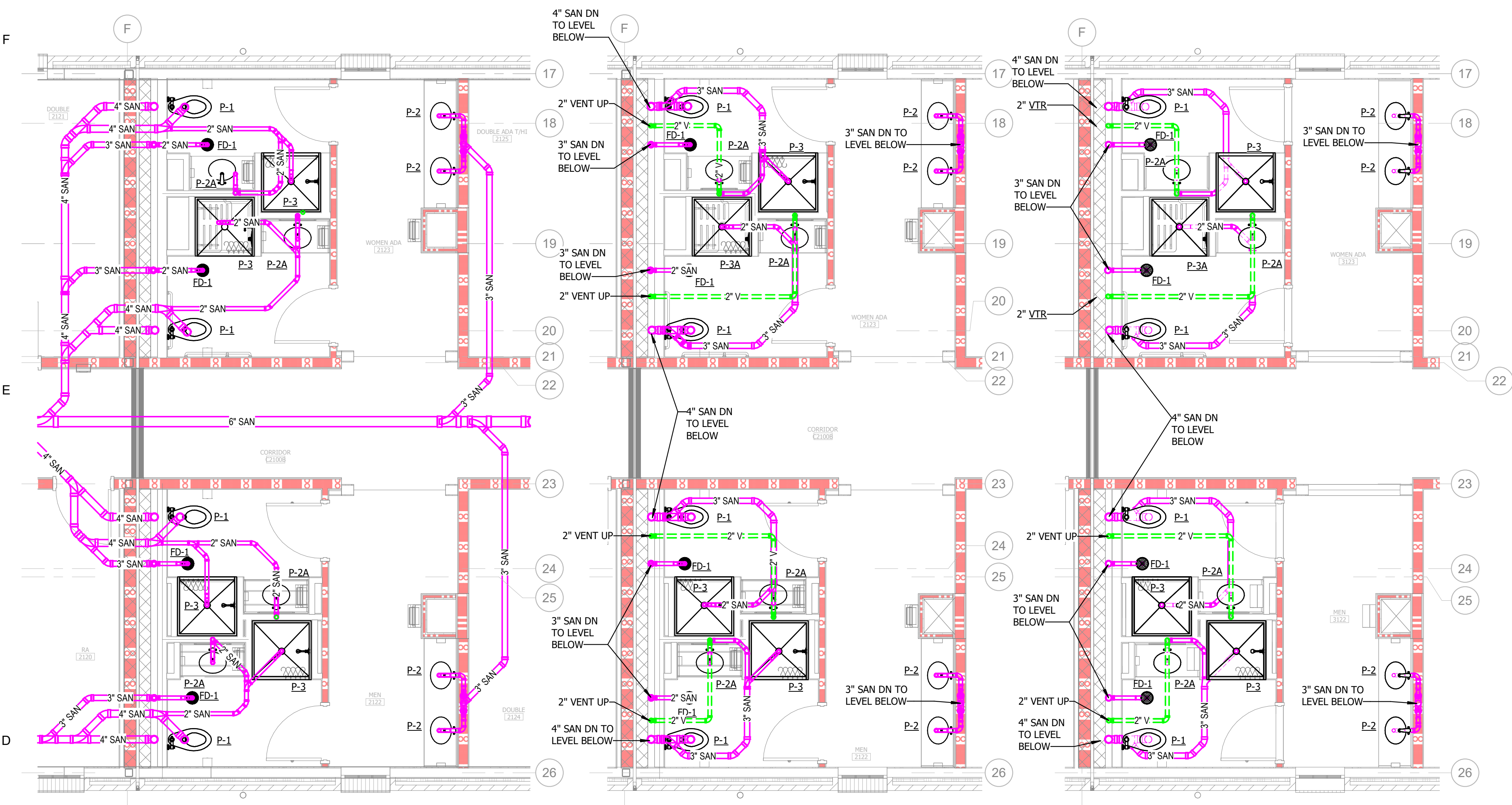
UNIVERSITY OF NORTH
CAROLINA AT WILMINGTON
HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

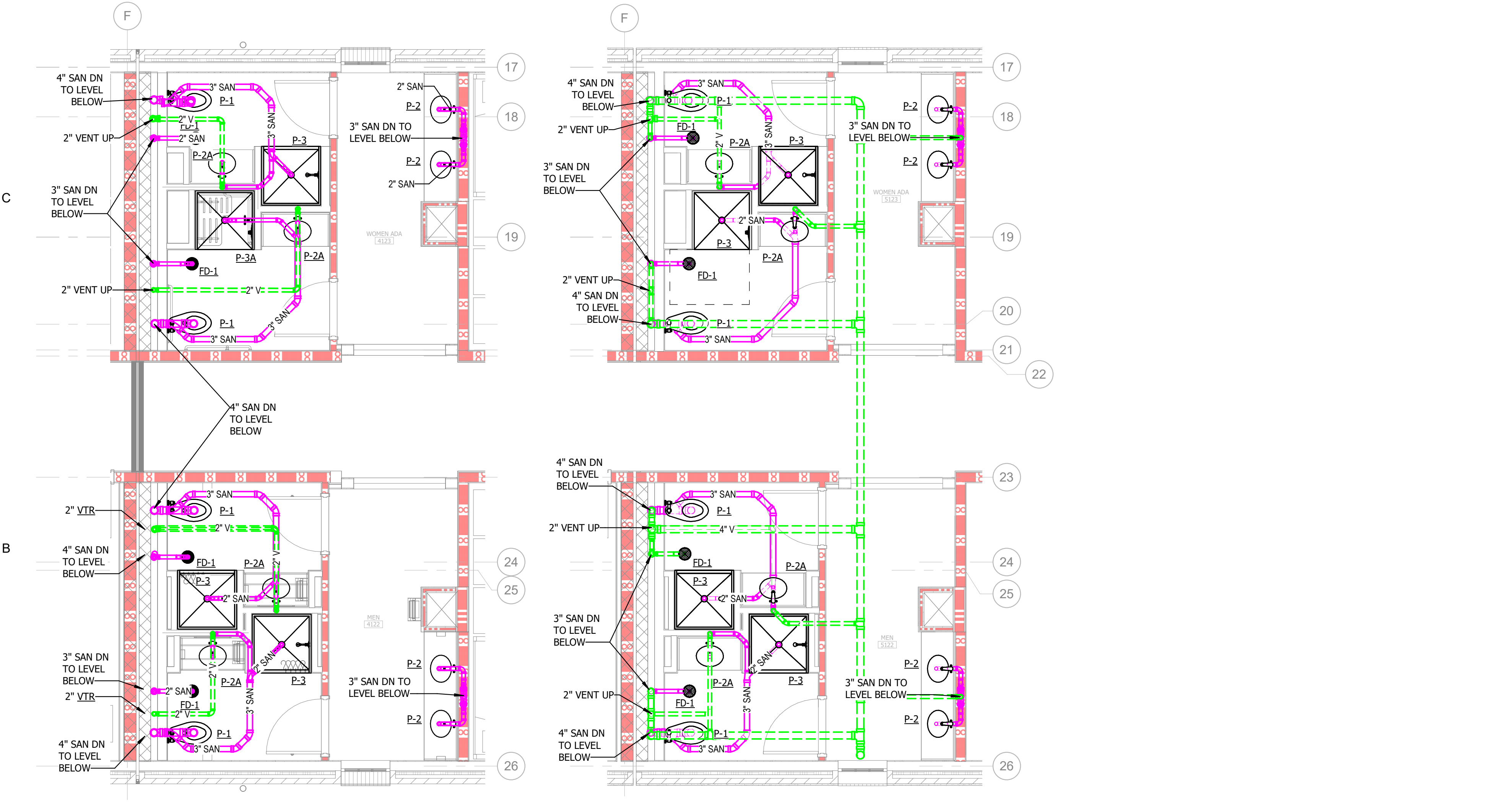
PROJECT NO.
514.23018.00

SHEET TITLE
**PLUMBING WASTE/VENT-
ENLARGED BATHROOM
STACK PLANS/
ISOMETRICS (TYP)**

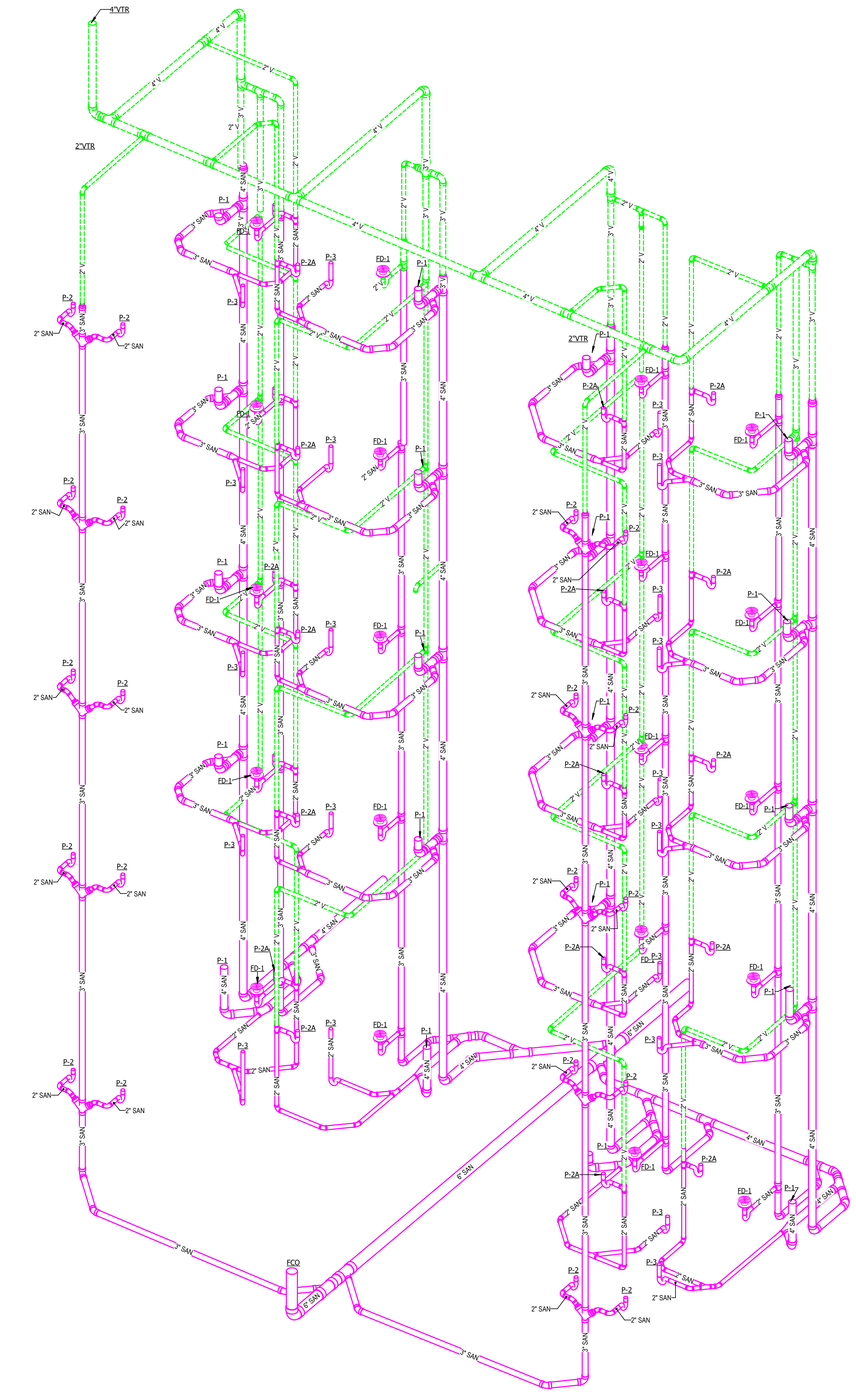
SHEET NUMBER
P608



1 PLUMBING WASTE/VENT PLAN - LEVEL 01 - ENLARGED RM 1122 & 1123
2 PLUMBING WASTE/VENT PLAN - LEVEL 02 - ENLARGED RM 2122 & 2123
3 PLUMBING WASTE/VENT PLAN - LEVEL 03 - ENLARGED RM 3122 & 3123



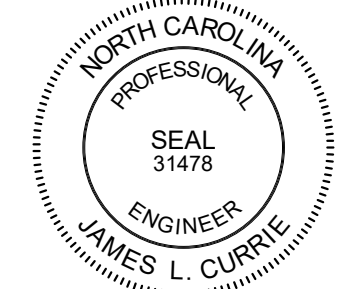
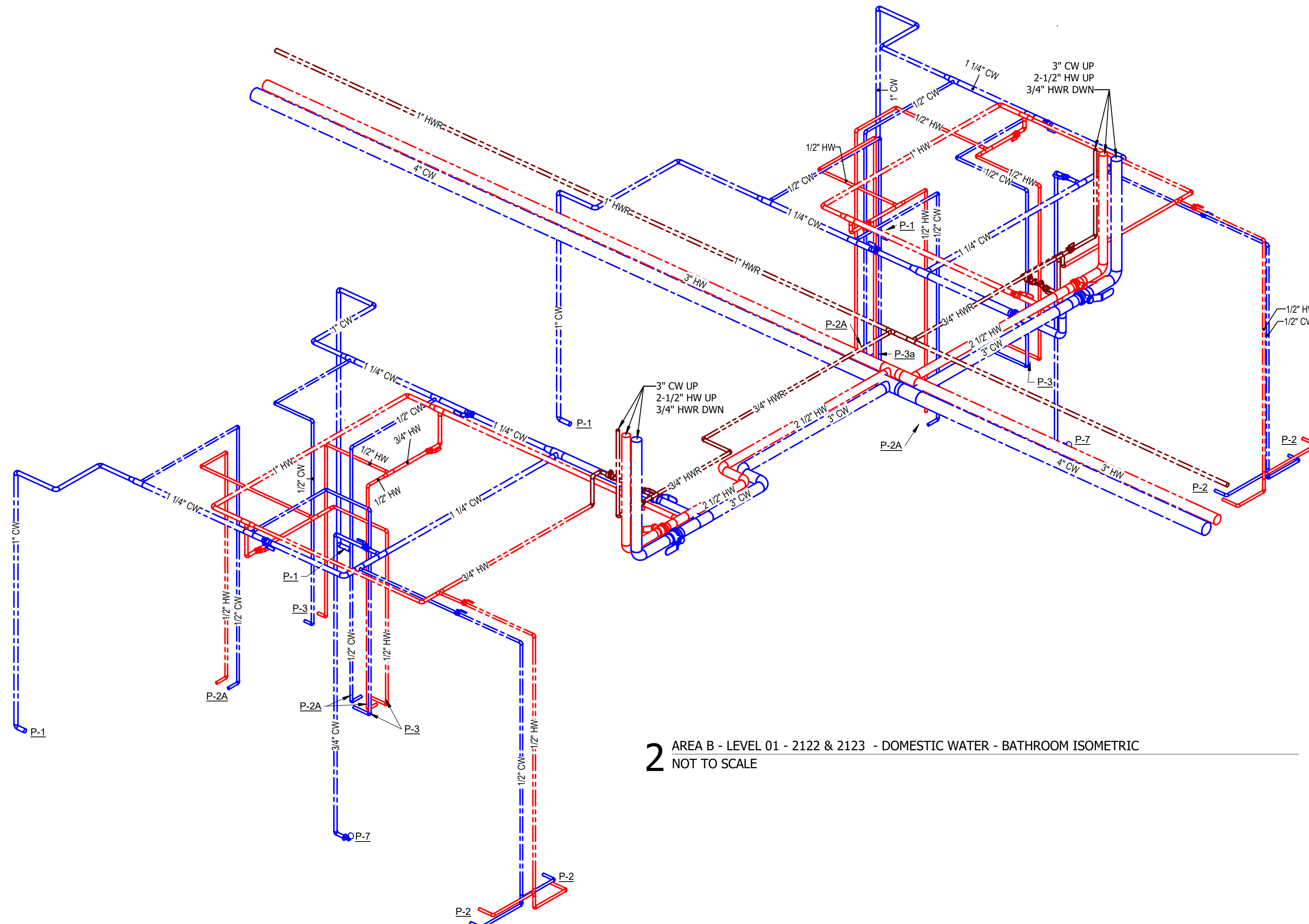
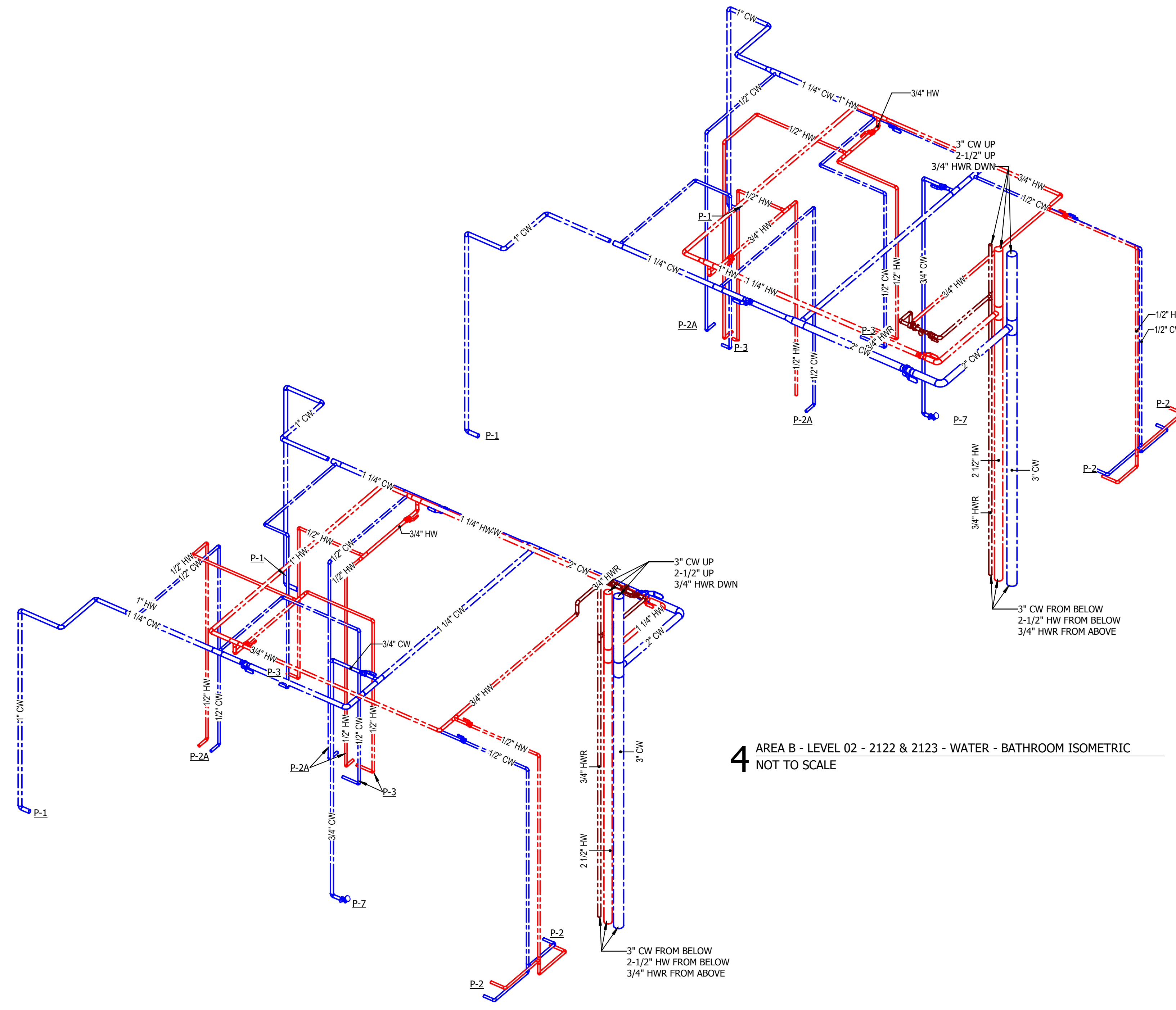
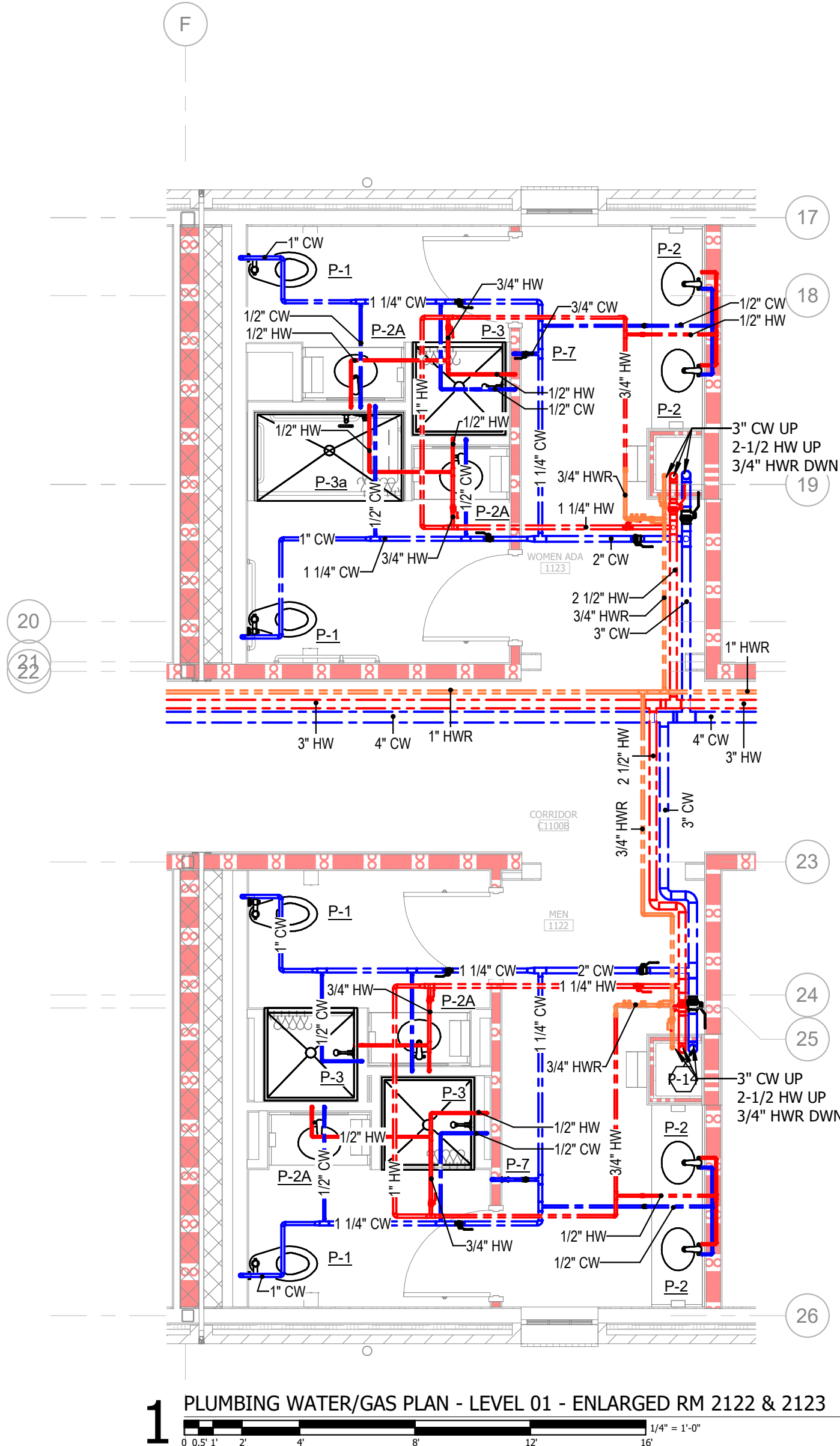
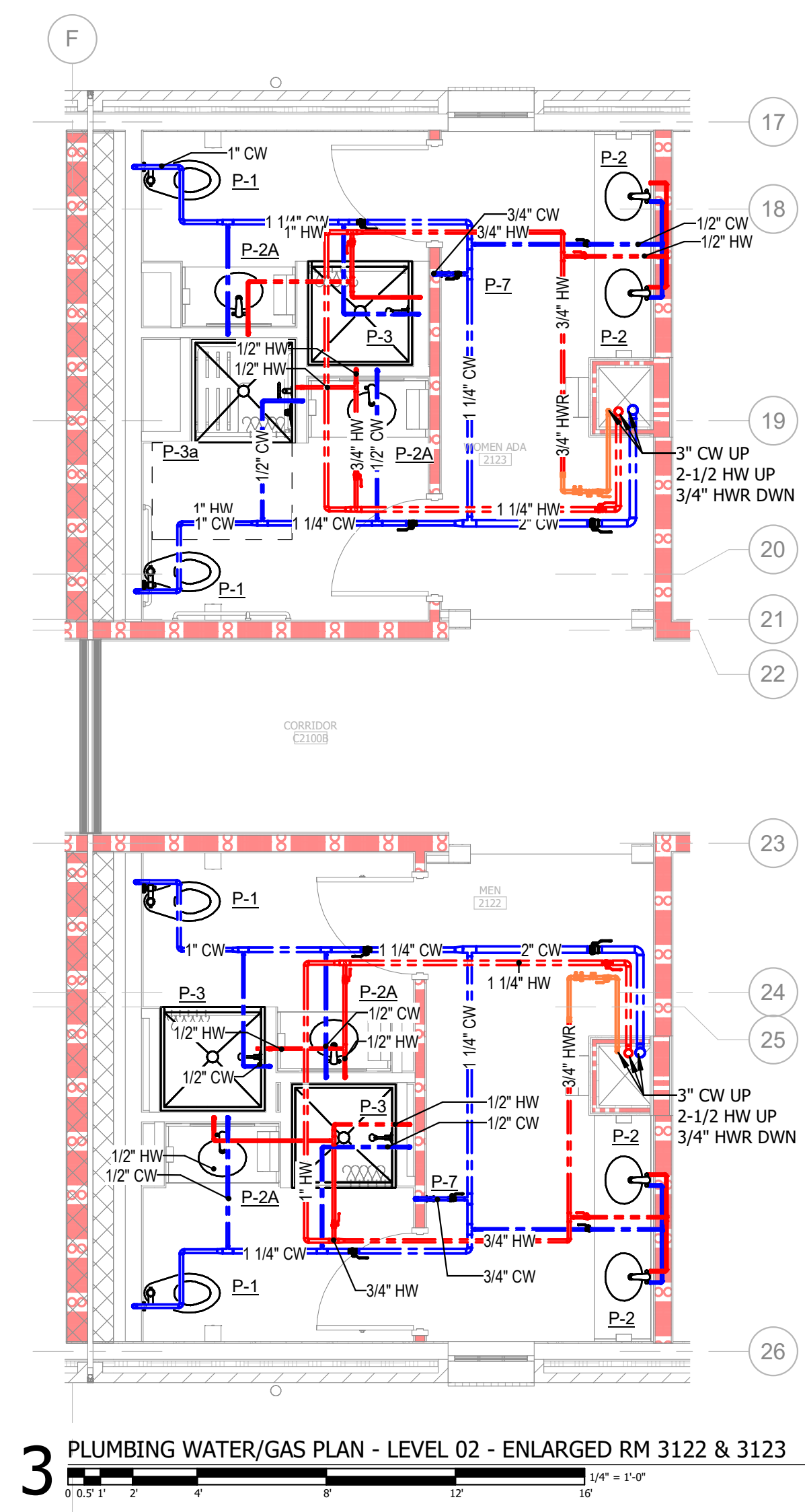
4 PLUMBING WASTE/VENT PLAN - LEVEL 04 - ENLARGED RM 4122 & 4123
5 PLUMBING WASTE/VENT PLAN - LEVEL 05 - ENLARGED RM 5122 & 5123



6 AREA B - 2122 & 2123 BATHROOM STACK WASTE & VENT ISOMETRIC
NOT TO SCALE

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RUNCW25

SCO # 24-29053-02D

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PROJECT TEAM
PRINCIPAL IN CHARGE
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PROJECT MANAGER
DAN KNOX, PE
DESIGN TEAM
REBECCA CLEWETT

UNIVERSITY OF NORTH CAROLINA AT WILMINGTON
HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

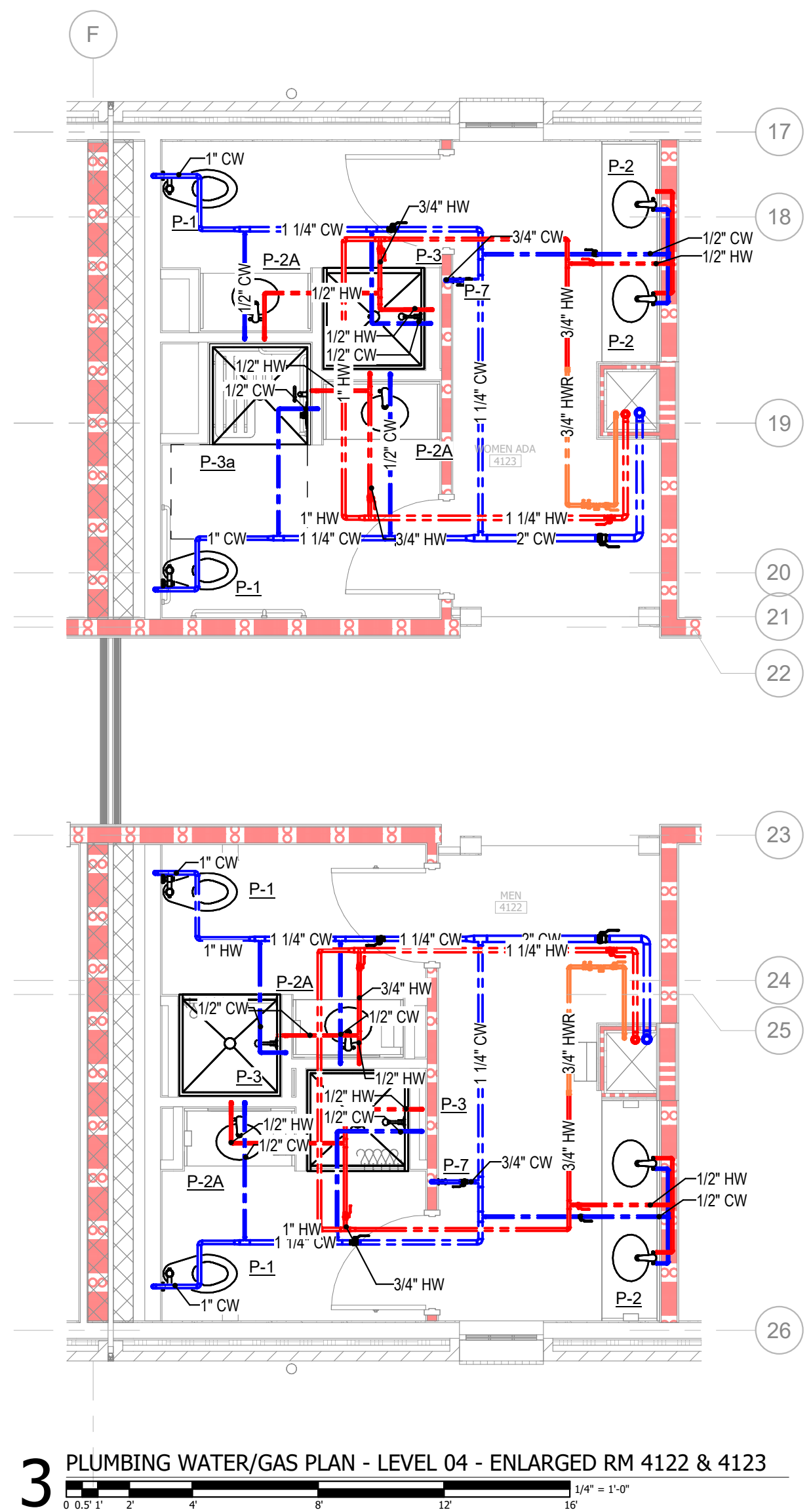
PROJECT NO.
514.23018.00

SHEET TITLE
PLUMBING DOMESTIC WATER - ENLARGED BATHROOM STACK PLANS/ ISOMETRIC - LEVEL 01 & 02 (TYP)

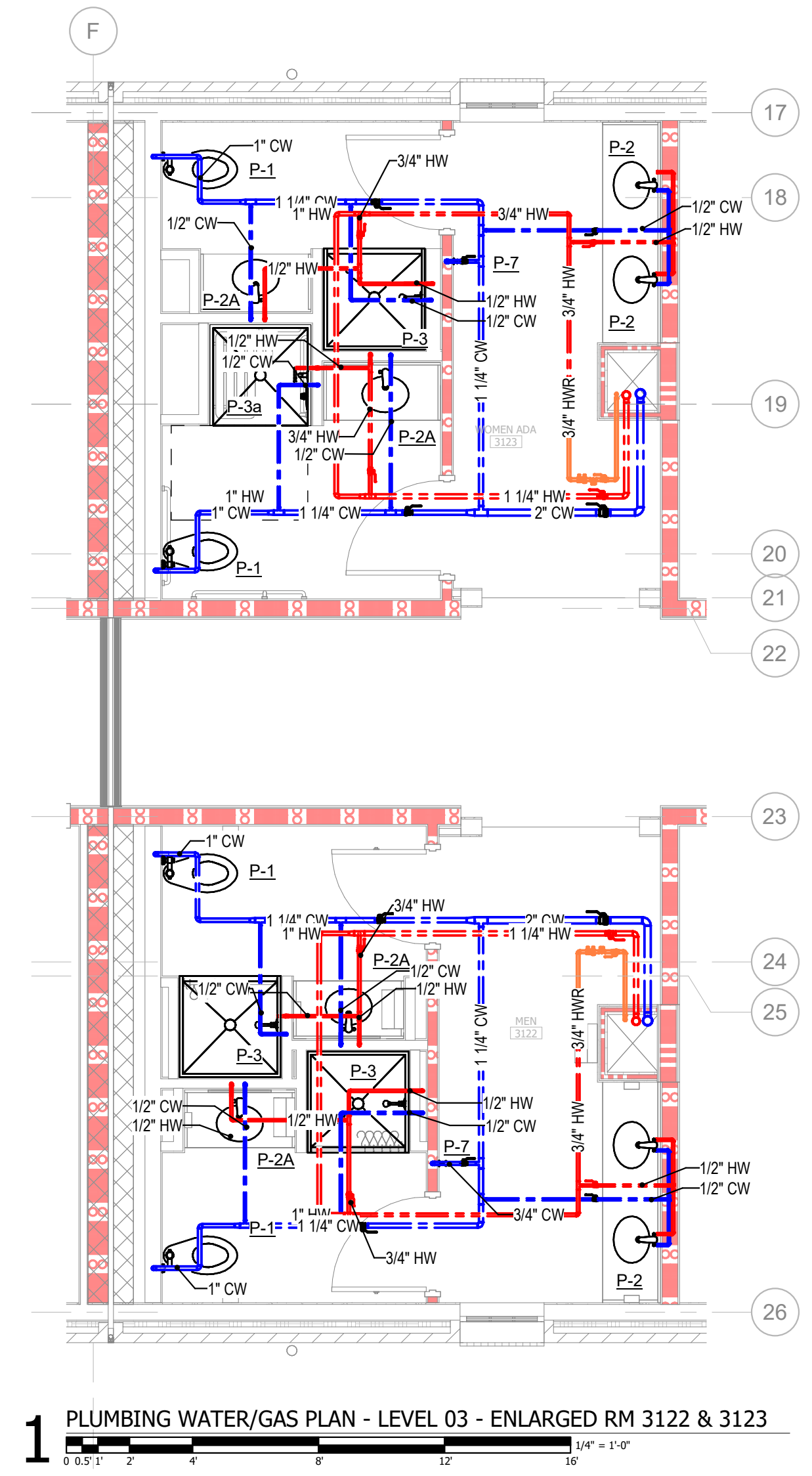
SHEET NUMBER
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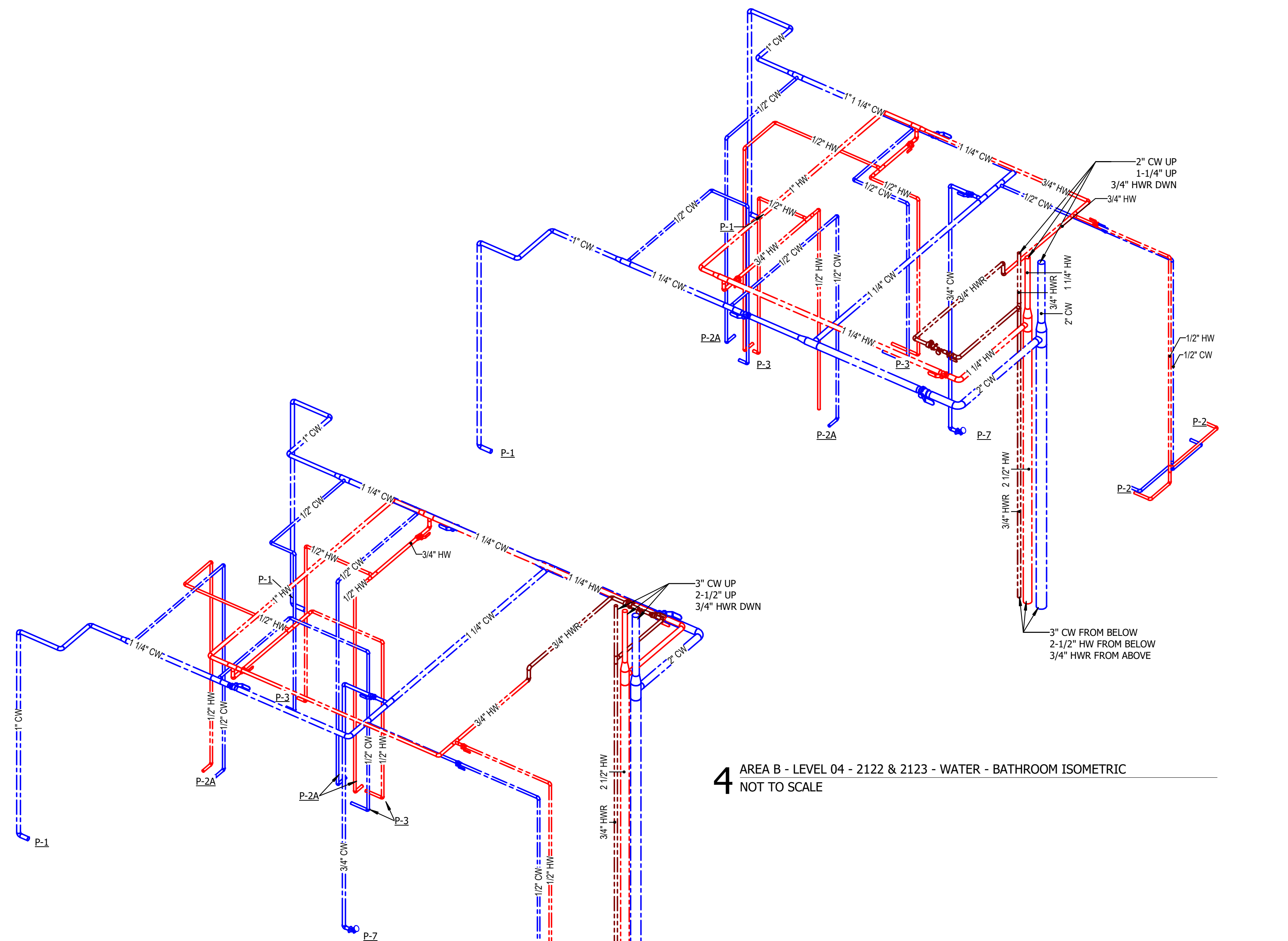
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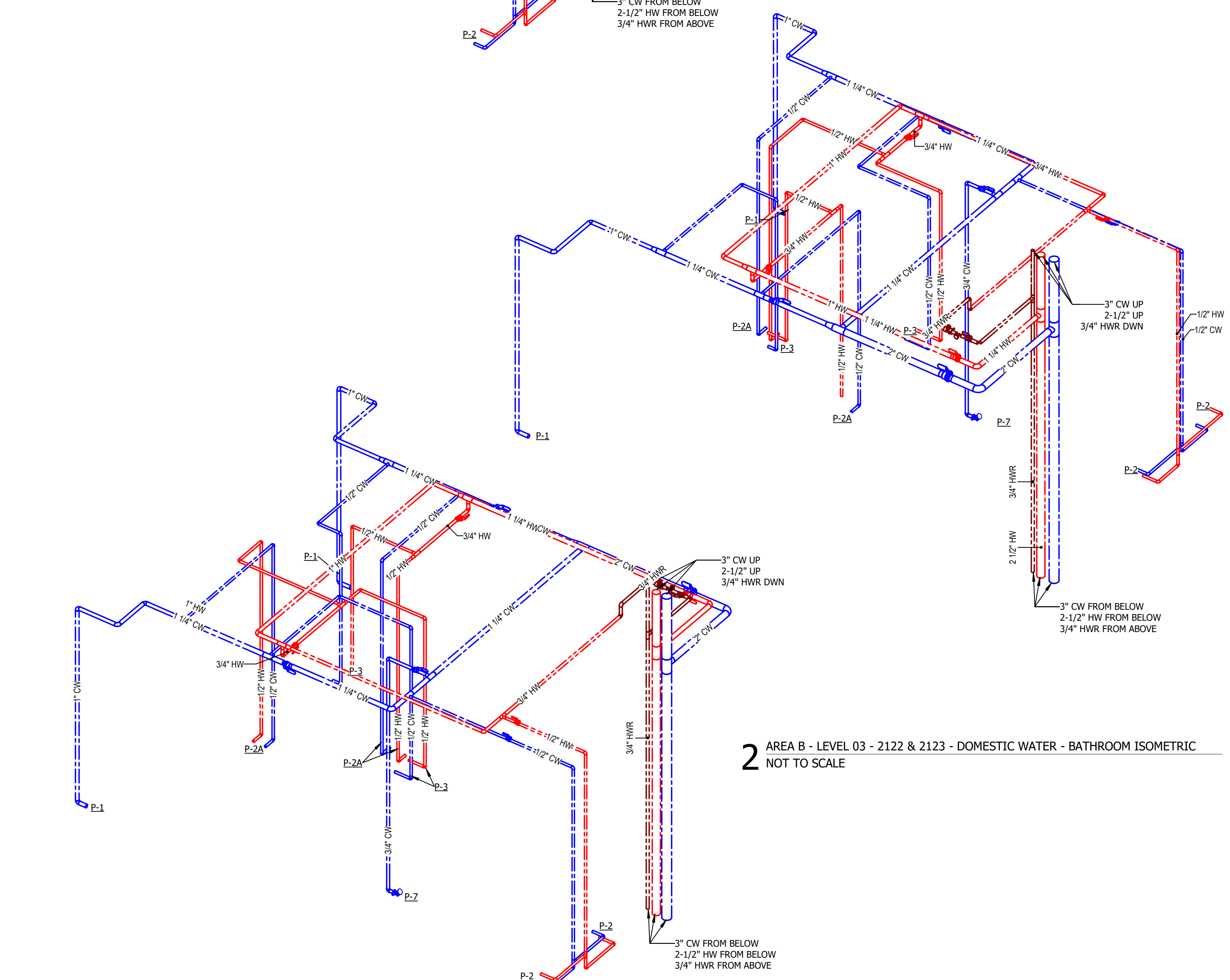
3 PLUMBING WATER/GAS PLAN - LEVEL 04 - ENLARGED RM 4122 & 4123
 1/8" = 1'-0"



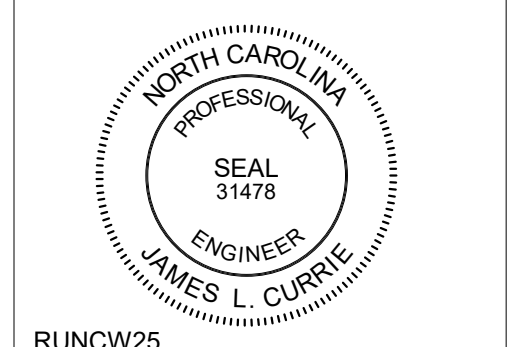
1 PLUMBING WATER/GAS PLAN - LEVEL 03 - ENLARGED RM 3122 & 3123
 1/8" = 1'-0"



4 AREA B - LEVEL 04 - 2122 & 2123 - WATER - BATHROOM ISOMETRIC
 NOT TO SCALE



2 AREA B - LEVEL 03 - 2122 & 2123 - DOMESTIC WATER - BATHROOM ISOMETRIC
 NOT TO SCALE



RUNCW25

SCO # 24-29053-02D

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DAN KNOX, PE
 DESIGN TEAM
REBECCA CLEWETT

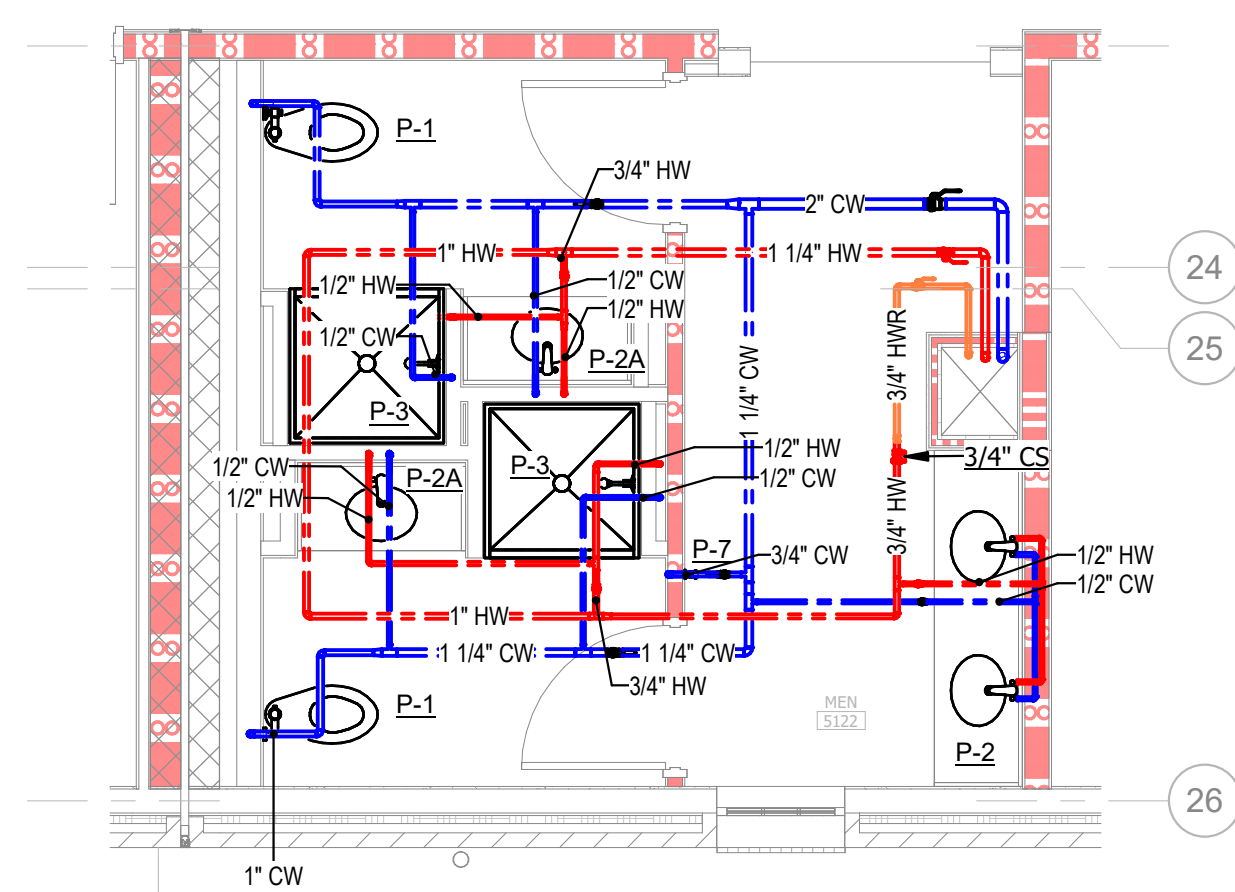
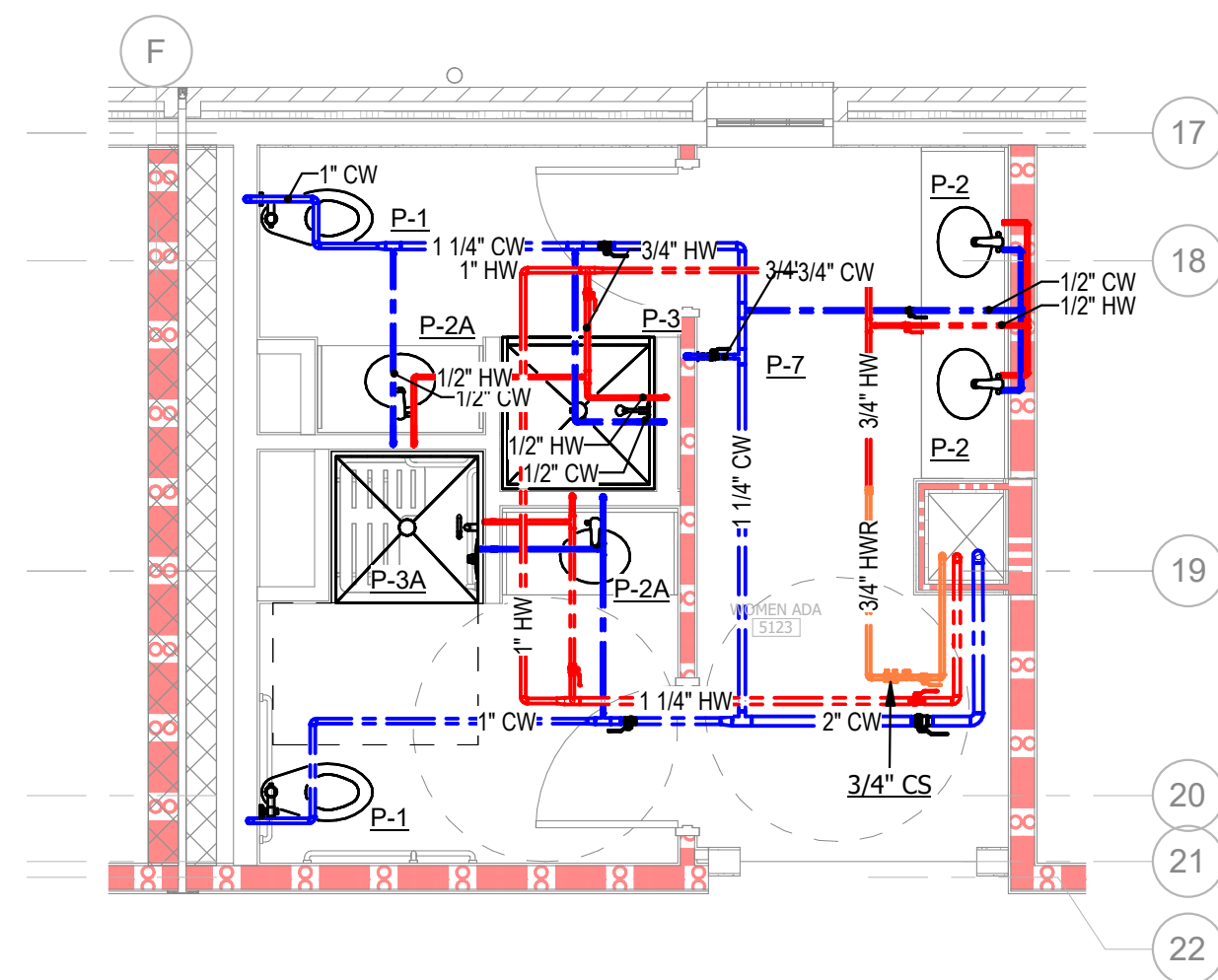
UNIVERSITY OF NORTH CAROLINA AT WILMINGTON
 HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

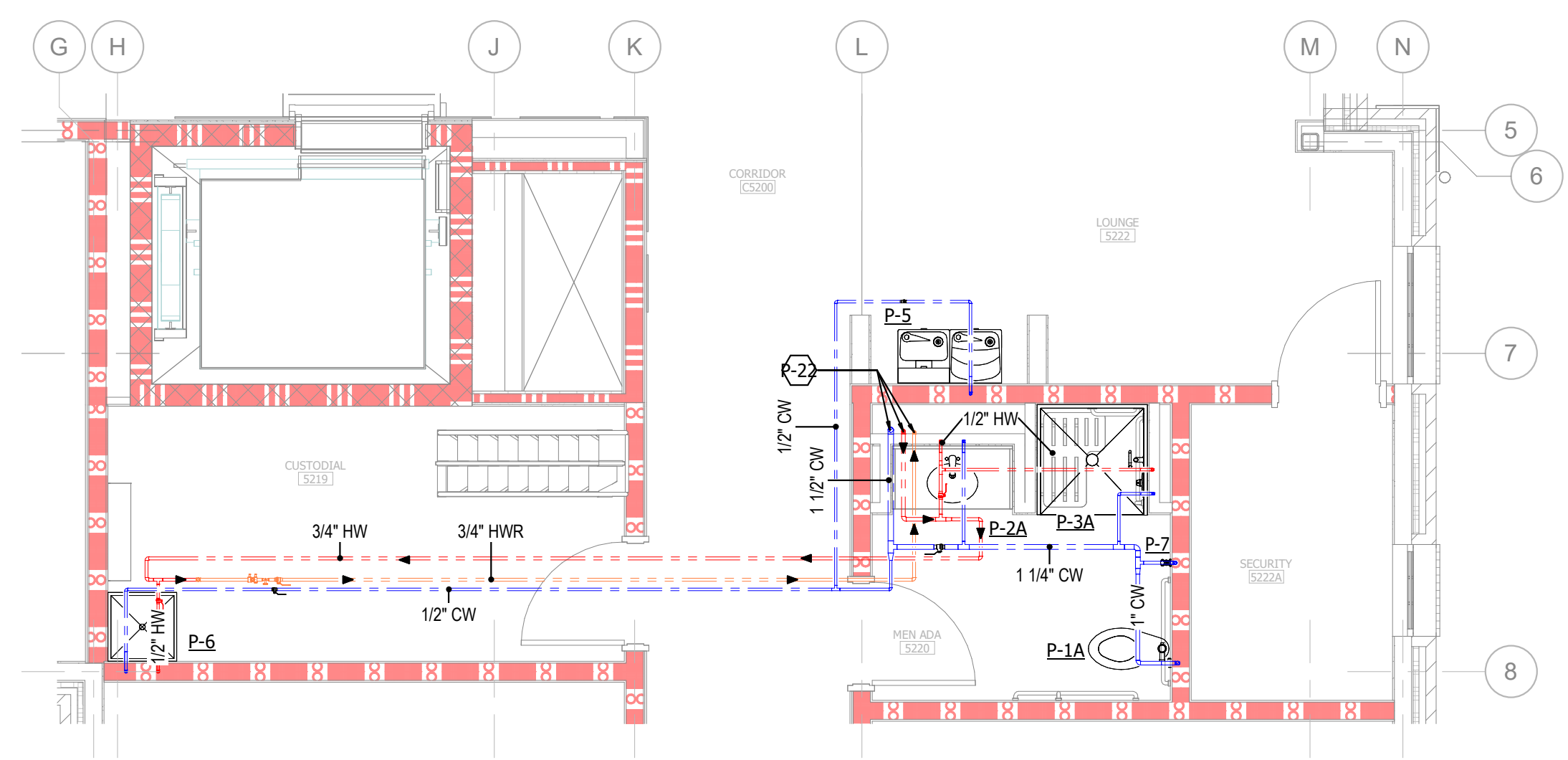
PROJECT NO.
514.23018.00

SHEET TITLE
PLUMBING DOMESTIC WATER - ENLARGED BATHROOM STACK PLANS/ ISOMETRIC - LEVEL 03 & 04 (TYP)

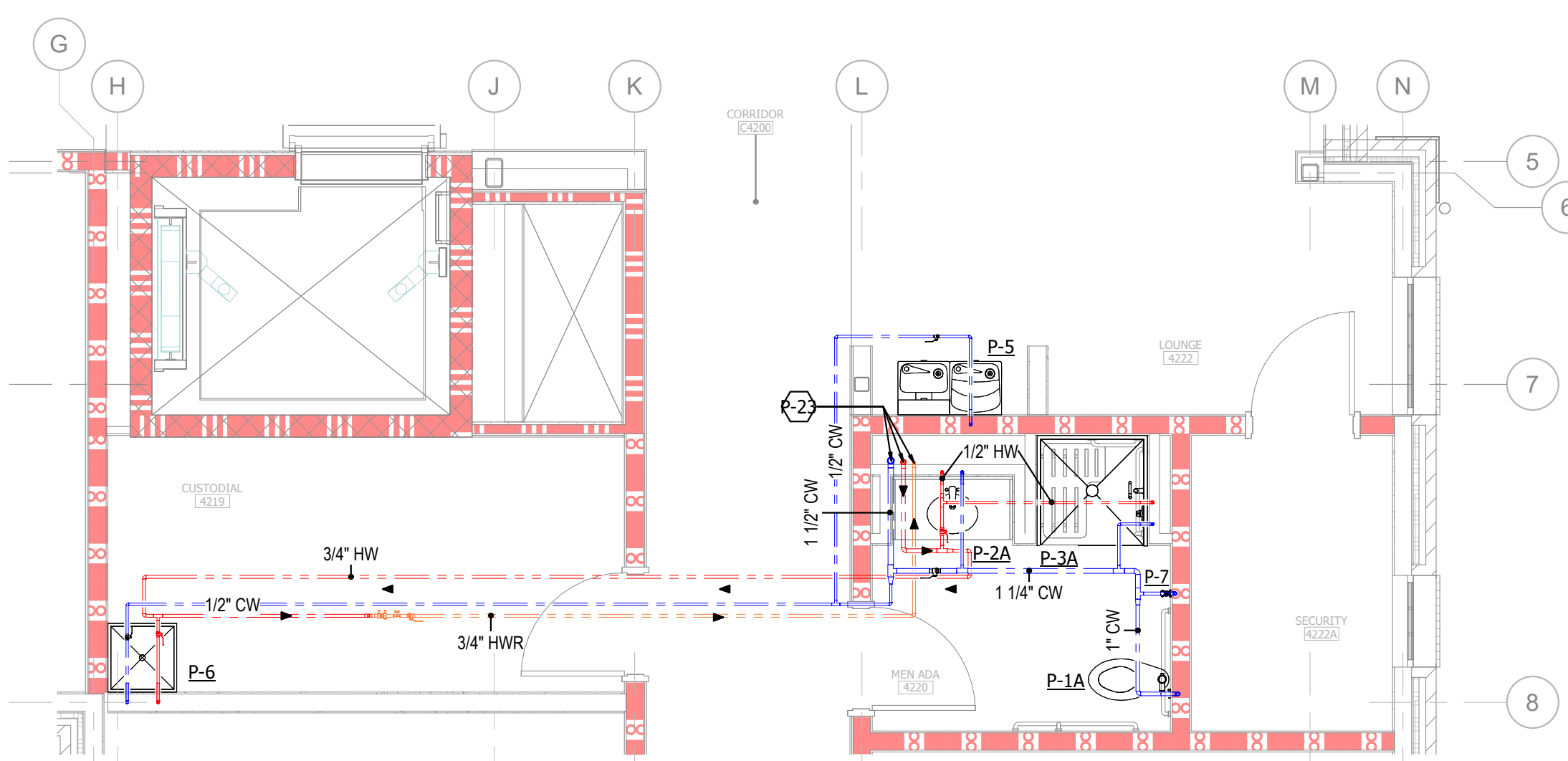
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P610



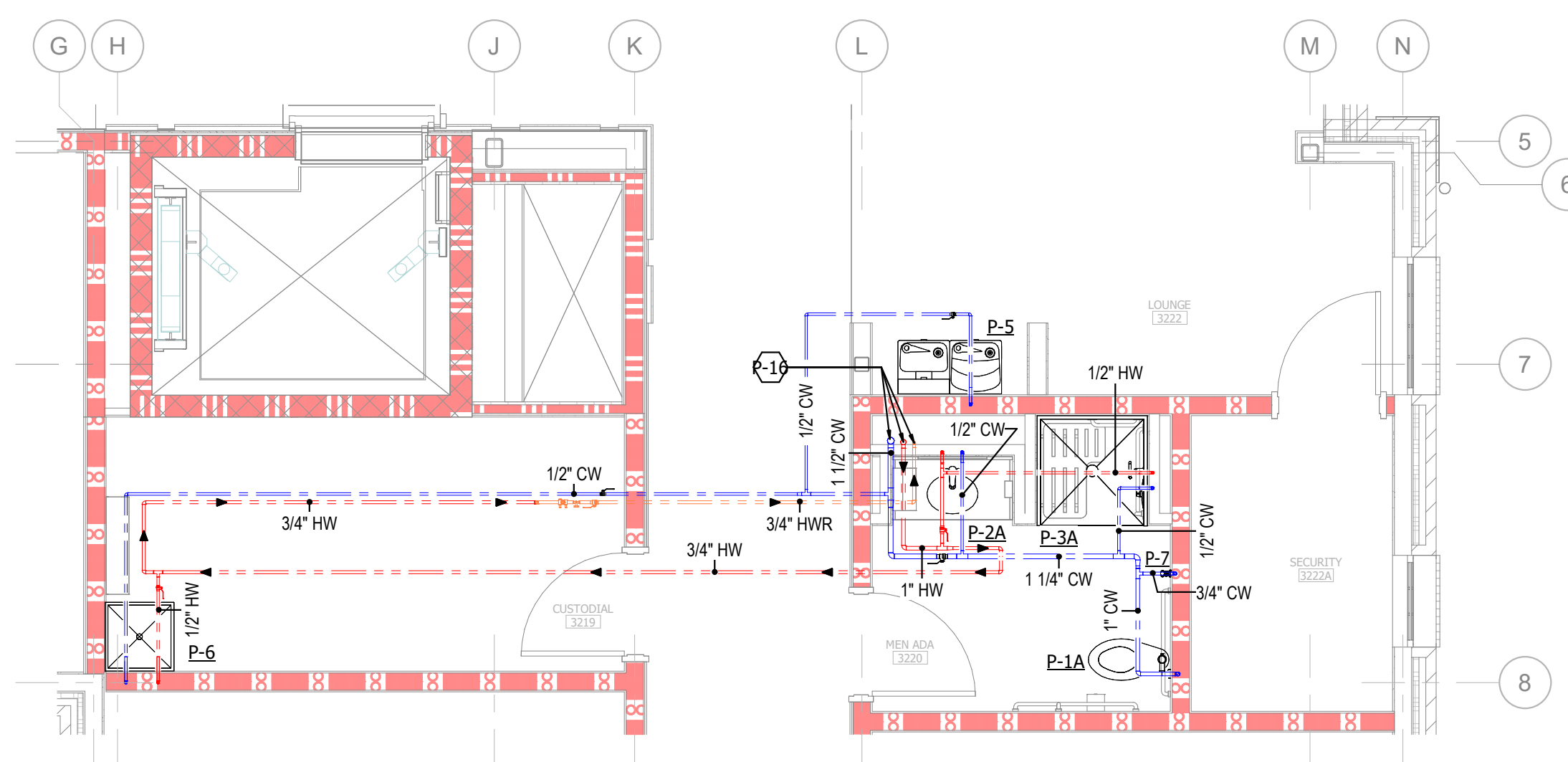
1 PLUMBING WATER/GAS PLAN - LEVEL 05 - ENLARGED RM 5122 & 5123
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2022 2025 2028 2031 2034 2037 2040 2043 2046 2049 2052 2055 2058 2061 2064 2067 2070 2073 2076 2079 2082 2085 2088 2091 2094 2097 2100 2103 2106 2109 2112 2115 2118 2121 2124 2127 2130 2133 2136 2139 2142 2145 2148 2151 2154 2157 2160 2163 2166 2169 2172 2175 2178 2181 2184 2187 2190 2193 2196 2199 2202 2205 2208 2211 2214 2217 2220 2223 2226 2229 2232 2235 2238 2241 2244 2247 2250 2253 2256 2259 2262 2265 2268 2271 2274 2277 2280 2283 2286 2289 2292 2295 2298 2301 2304 2307 2310 2313 2316 2319 2322 2325 2328 2331 2334 2337 2340 2343 2346 2349 2352 2355 2358 2361 2364 2367 2370 2373 2376 2379 2382 2385 2388 2391 2394 2397 2400 2403 2406 2409 2412 2415 2418 2421 2424 2427 2430 2433 2436 2439 2442 2445 2448 2451 2454 2457 2460 2463 2466 2469 2472 2475 2478 2481 2484 2487 2490 2493 2496 2499 2502 2505 2508 2511 2514 2517 2520 2523 2526 2529 2532 2535 2538 2541 2544 2547 2550 2553 2556 2559 2562 2565 2568 2571 2574 2577 2580 2583 2586 2589 2592 2595 2598 2601 2604 2607 2610 2613 2616 2619 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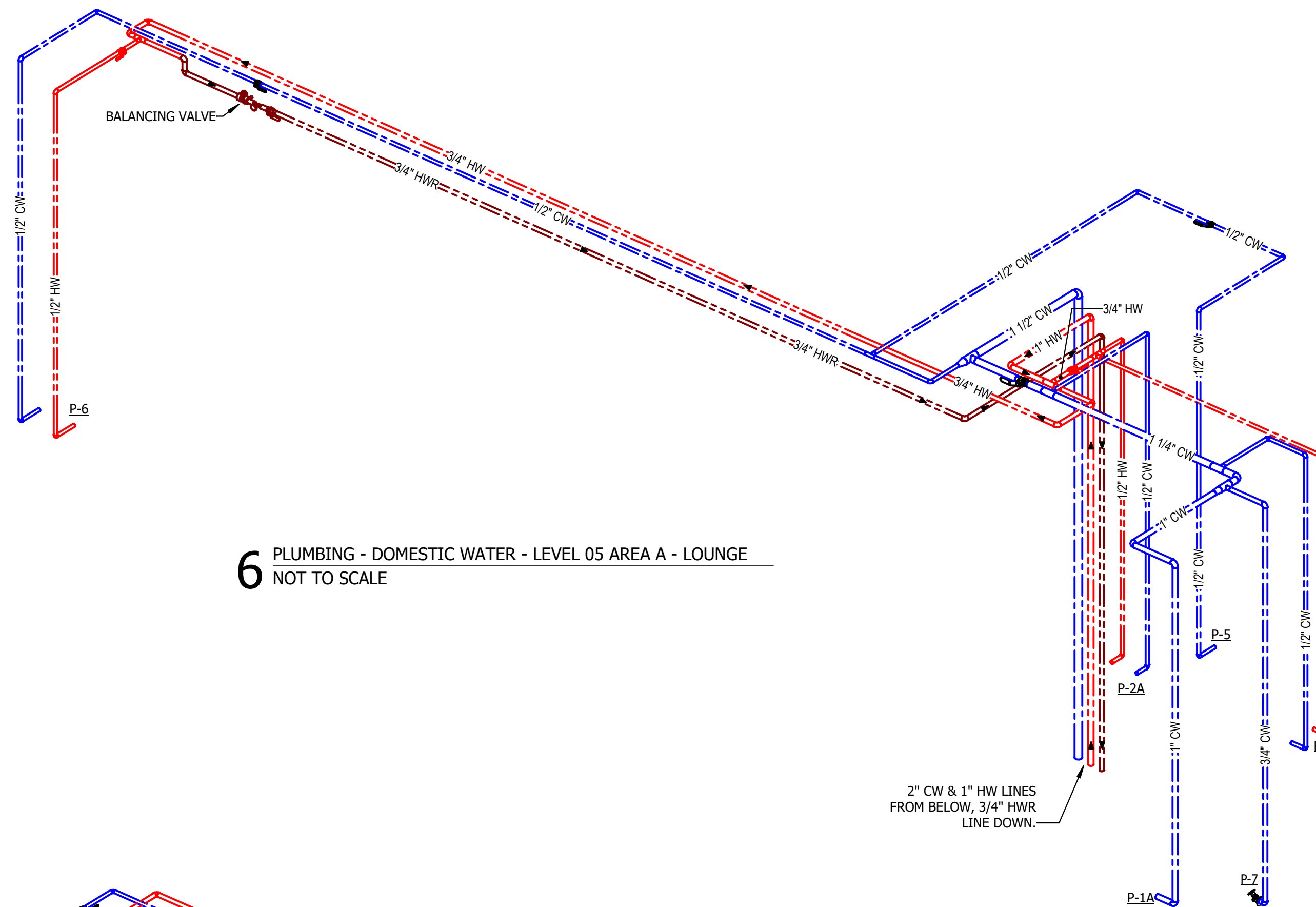
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NOT TO SCALE



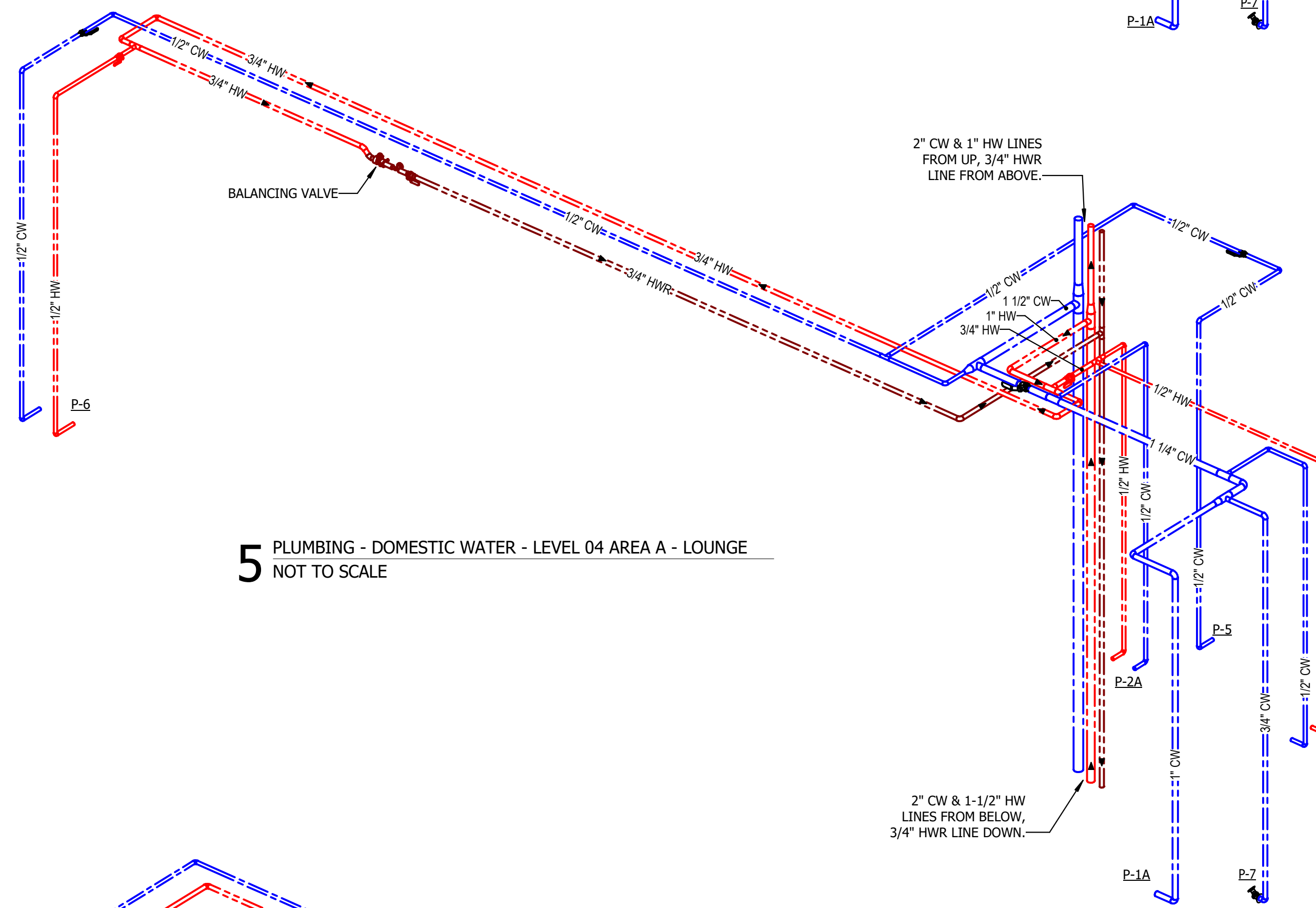
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NOT TO SCALE



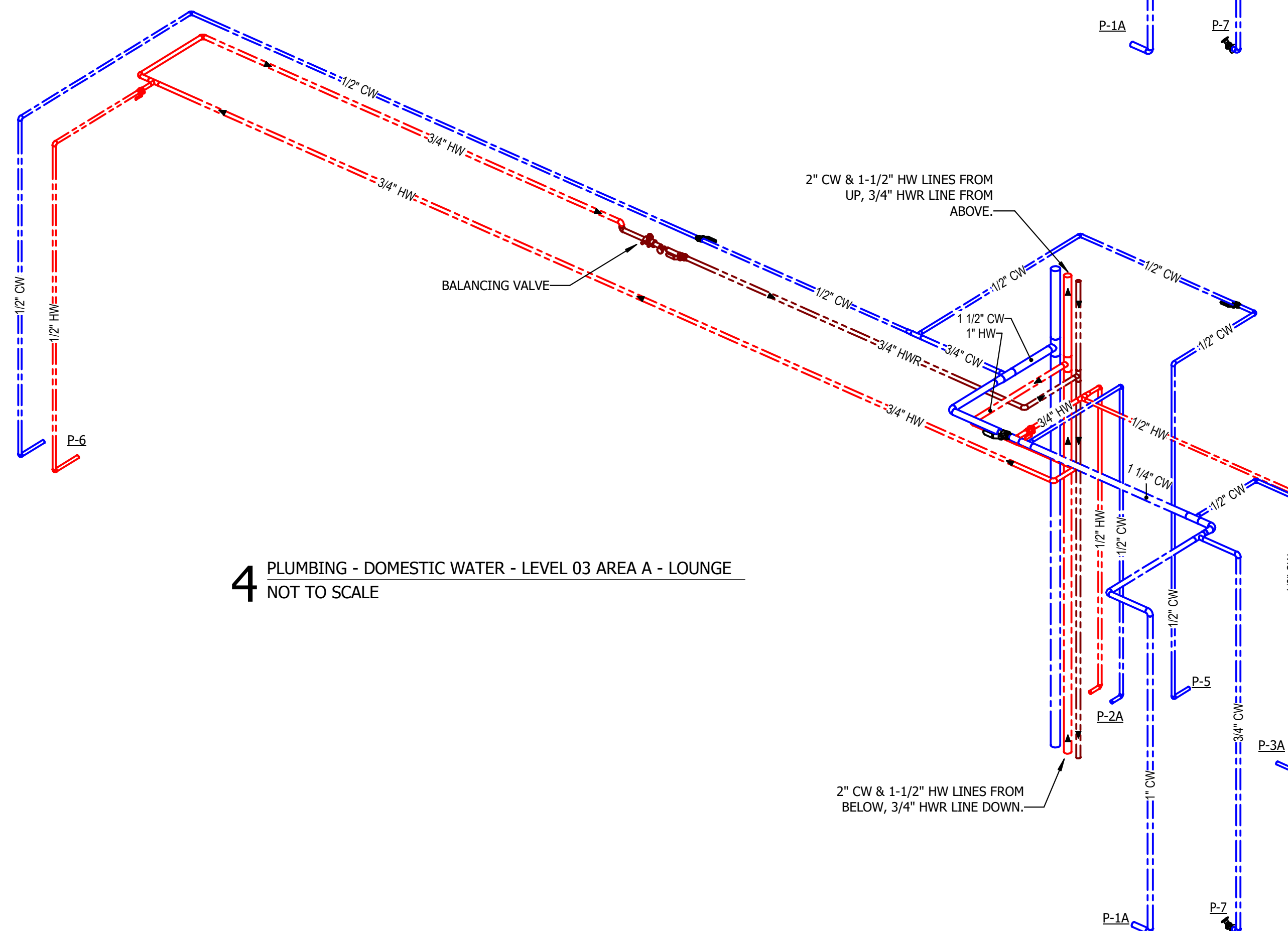
1 PLUMBING DOMESTIC WATER PLAN - LEVEL 03 AREA A - ENLARGED LOUNGE
NOT TO SCALE



6 PLUMBING - DOMESTIC WATER - LEVEL 05 AREA A - LOUNGE
NOT TO SCALE



5 PLUMBING - DOMESTIC WATER - LEVEL 04 AREA A - LOUNGE
NOT TO SCALE



4 PLUMBING - DOMESTIC WATER - LEVEL 03 AREA A - LOUNGE
NOT TO SCALE

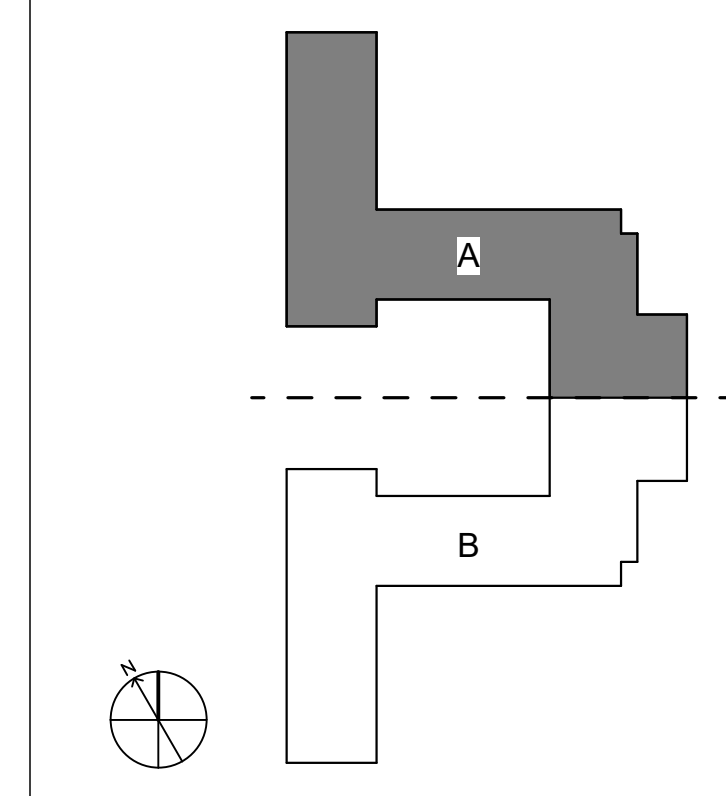
SHEET KEYED NOTES

- P-16 2" CW FROM BELOW, 1-1/2" HW FROM BELOW, AND 3/4" HWR FROM ABOVE. 2" CW AND 1-1/2" HW LINES TO CONTINUE TO FLOOR AND ABOVE AND 3/4" HWR LINE TO CONTINUE TO FLOOR BELOW.
- P-22 2" CW FROM BELOW, 1" HW FROM BELOW, AND 3/4" HWR DOWN.
- P-23 2" CW FROM BELOW, 1-1/2" HW FROM BELOW, AND 3/4" HWR FROM ABOVE. 1-1/2" CW AND 1" HW LINES TO CONTINUE TO FLOOR AND ABOVE AND 3/4" HWR LINE TO CONTINUE TO FLOOR BELOW.

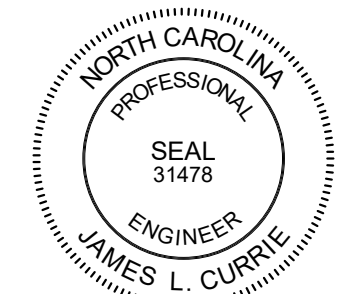
RATED WALLS AND PARTITIONS

FIRE BARRIERS	FIRE PARTITIONS
2-HR FIRE BARRIER	1-HR FIRE PARTITION
1-HR FIRE BARRIER	5-HR FIRE PARTITION

KEY PLAN



NOT TO SCALE



RUNCW25

SCO # 24-29053-02D

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REVISIONS

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PROJECT TEAM
PRINCIPAL IN CHARGE
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PROJECT MANAGER
DAN KNOX, PE
DESIGN TEAM
REBECCA CLEWETT

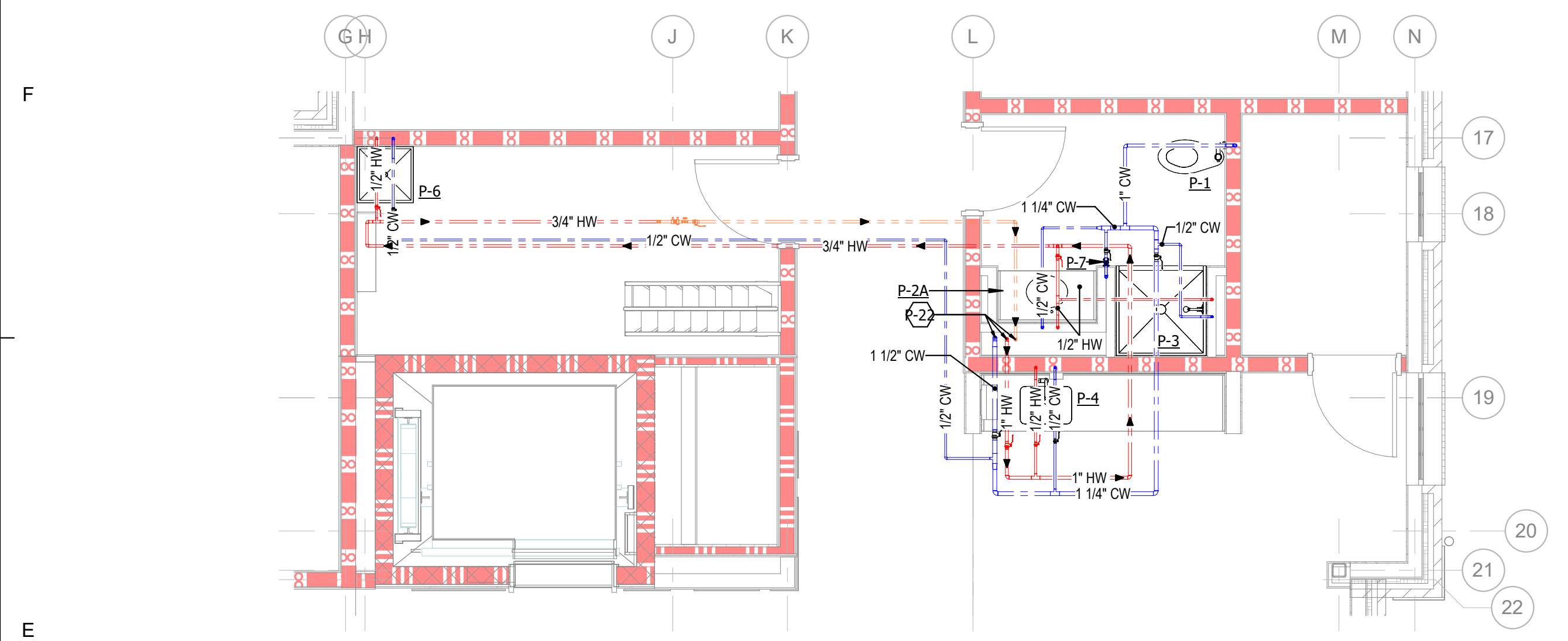
UNIVERSITY OF NORTH CAROLINA AT WILMINGTON HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

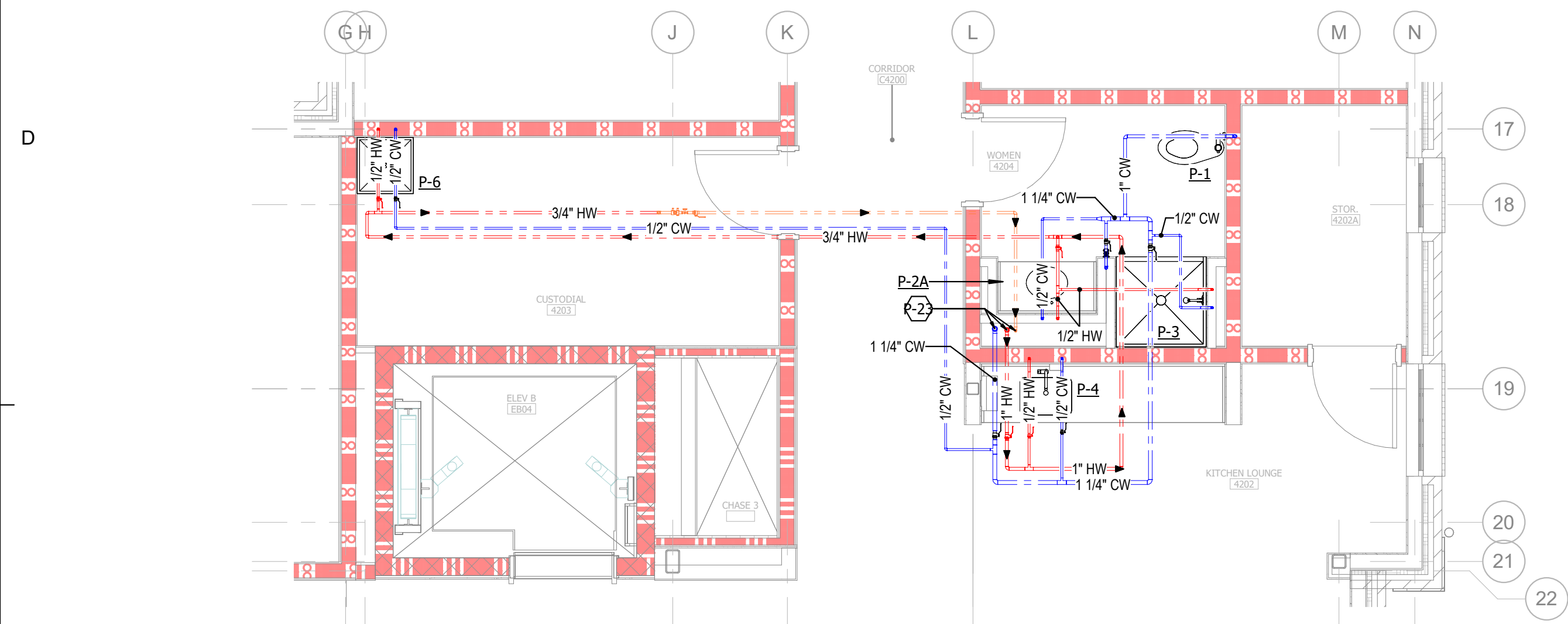
PROJECT NO.
514.23018.00

SHEET TITLE
PLUMBING DOMESTIC WATER - ENLARGED LOUNGE STACK PLAN/ ISOMETRIC - AREA A

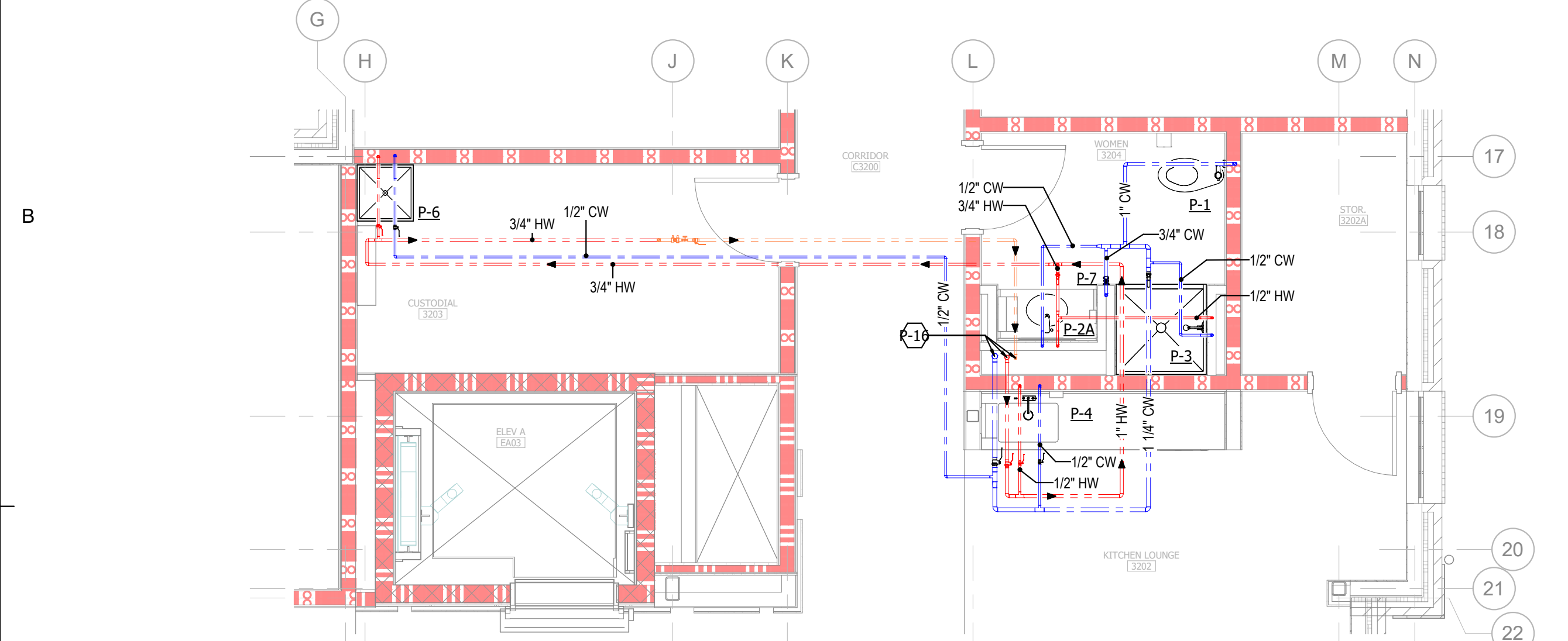
SHEET NUMBER
P612



3 PLUMBING DOMESTIC WATER PLAN - LEVEL 05 - ENLARGED KITCHEN LOUNGE AREA
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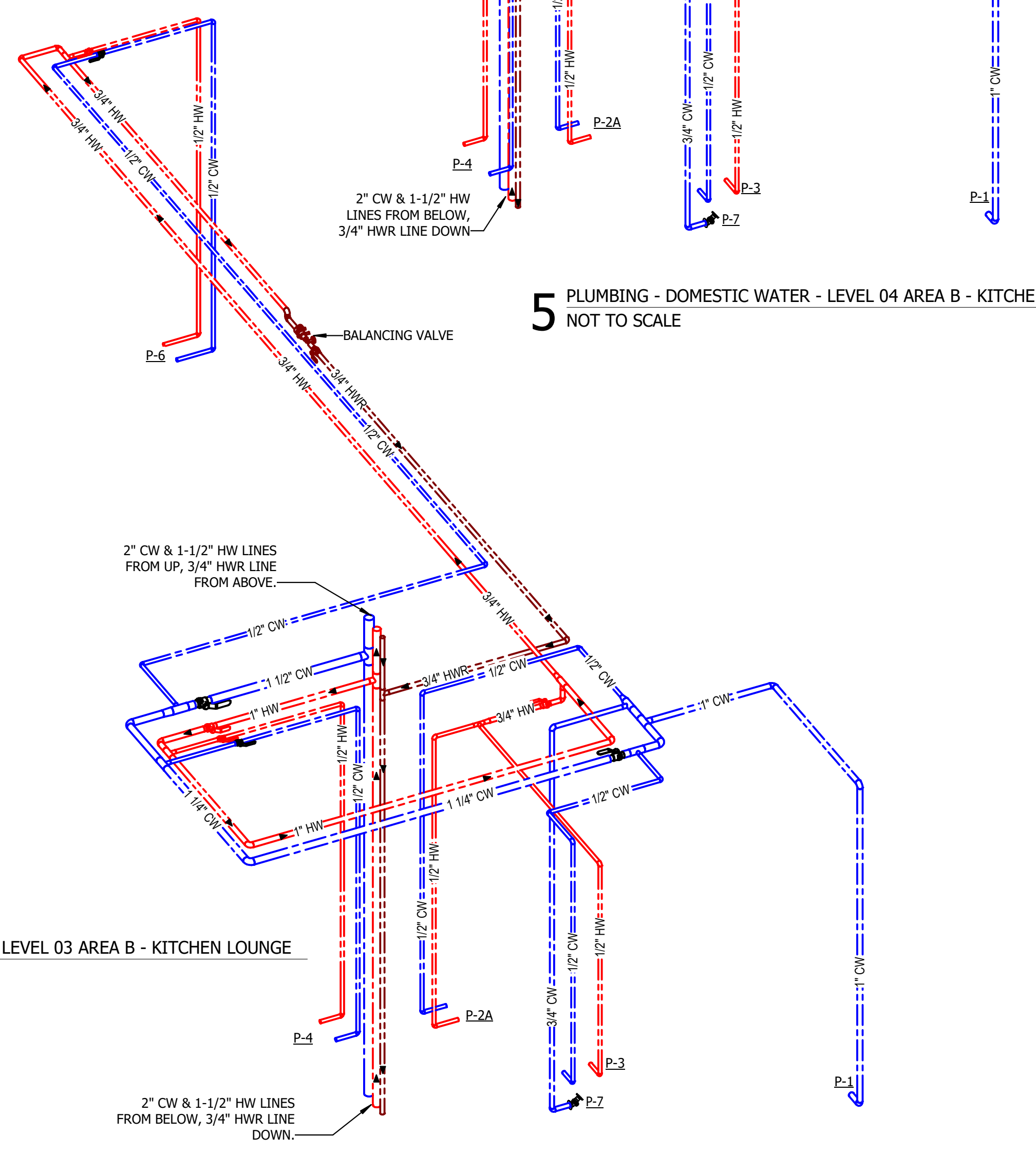


2 PLUMBING DOMESTIC WATER PLAN - LEVEL 04 - ENLARGED KITCHEN LOUNGE AREA
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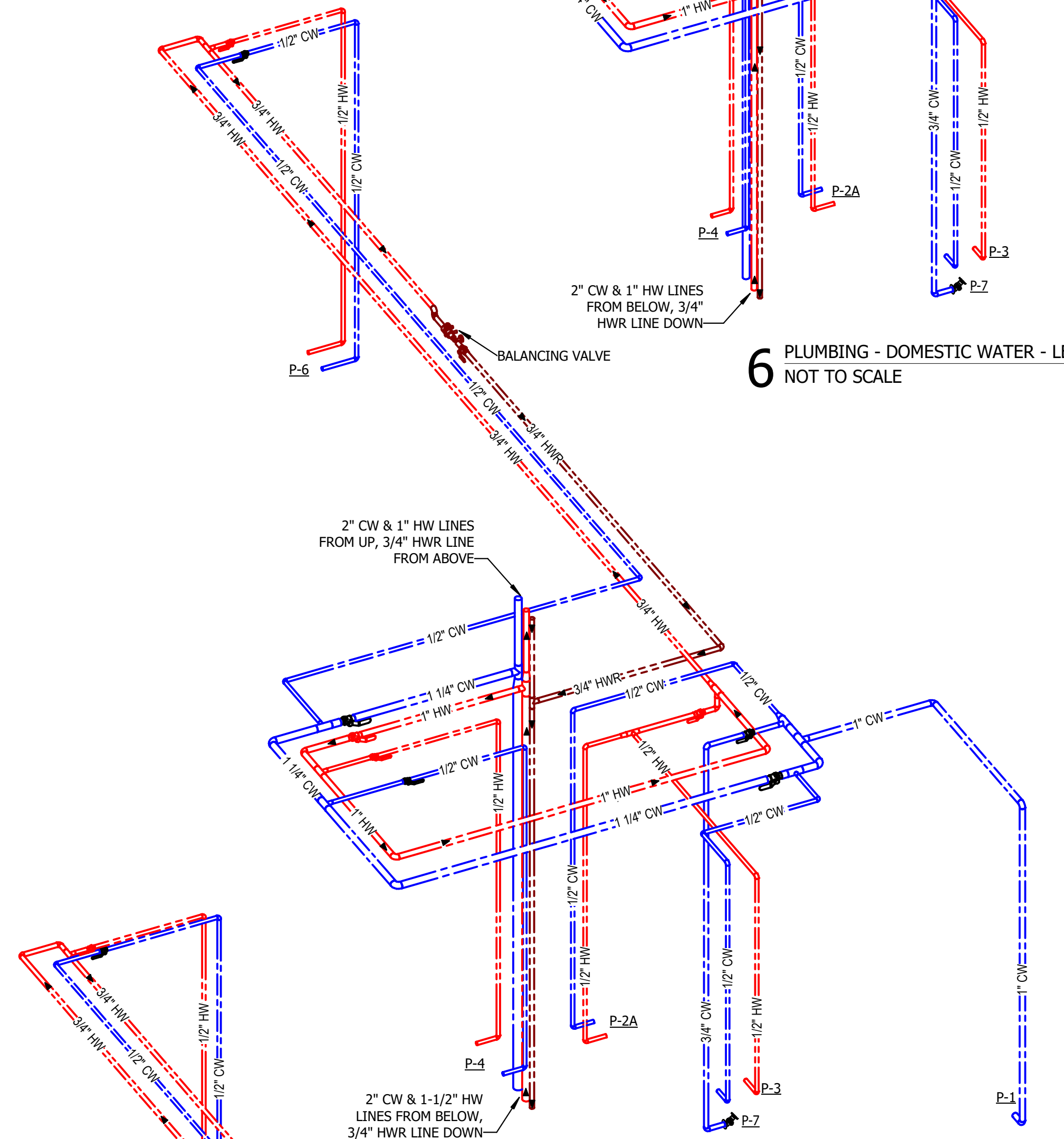


1 PLUMBING DOMESTIC WATER PLAN - LEVEL 03 - ENLARGED KITCHEN LOUNGE AREA
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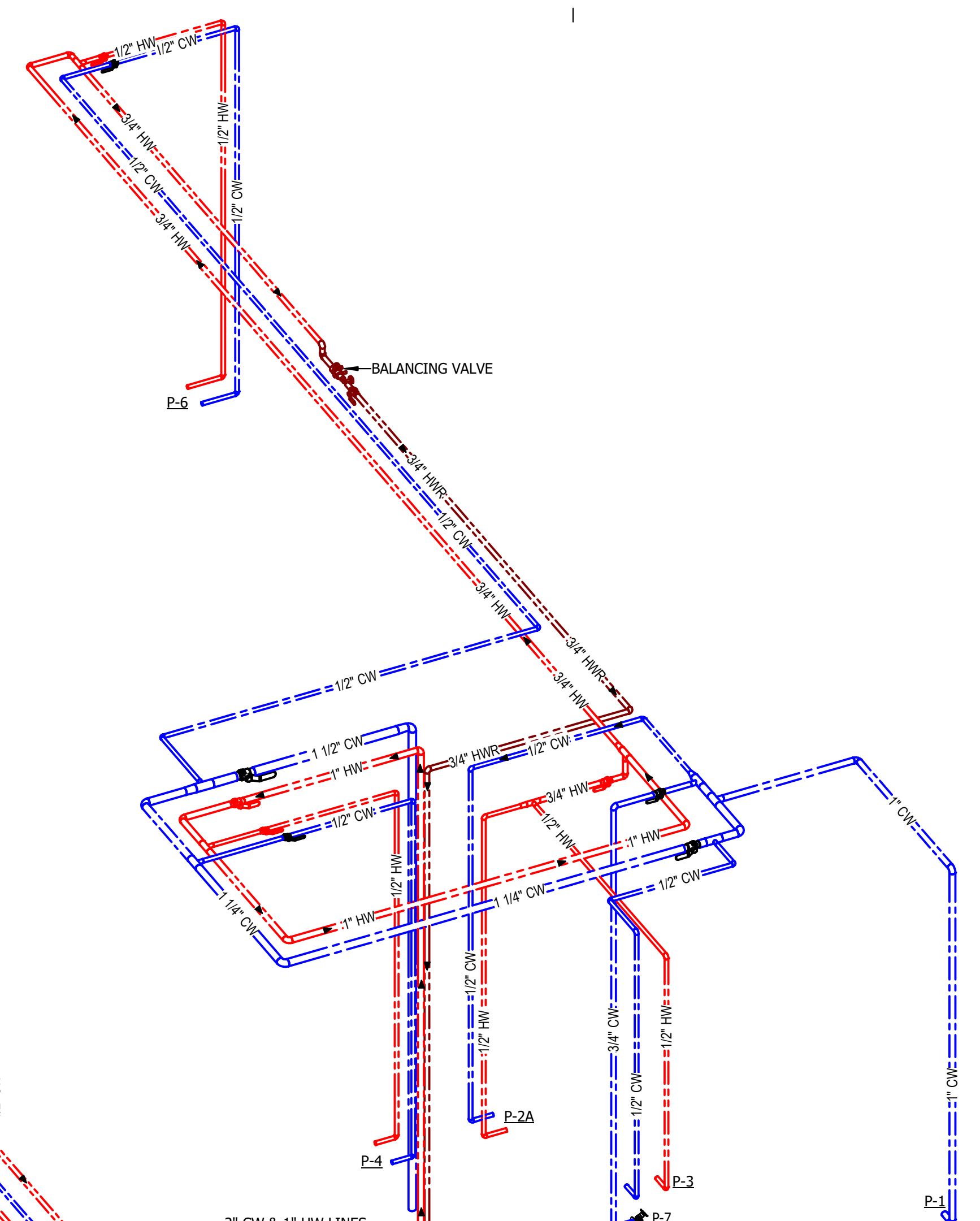
4 PLUMBING - DOMESTIC WATER - LEVEL 03 AREA B - KITCHEN LOUNGE
 NOT TO SCALE



5 PLUMBING - DOMESTIC WATER - LEVEL 04 AREA B - KITCHEN LOUNGE
 NOT TO SCALE



6 PLUMBING - DOMESTIC WATER - LEVEL 05 AREA B - KITCHEN LOUNGE
 NOT TO SCALE



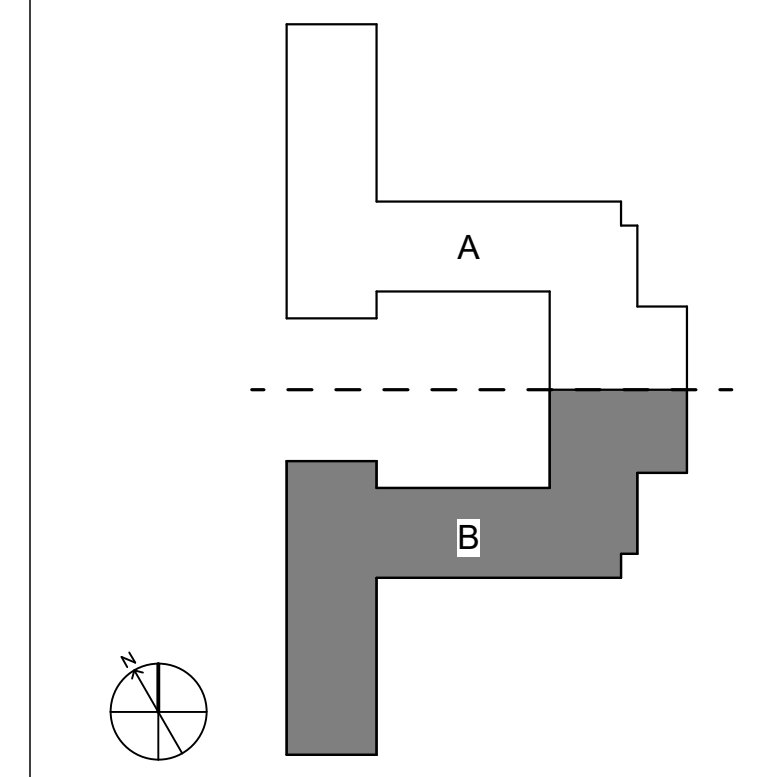
SHEET KEYED NOTES

P-16 2" CW FROM BELOW, 1-1/2" HW FROM BELOW, AND 3/4" HWR FROM ABOVE. 2" CW AND 1-1/2" HW LINES TO CONTINUE TO FLOOR AND ABOVE AND 3/4" HWR LINE TO CONTINUE TO FLOOR BELOW.

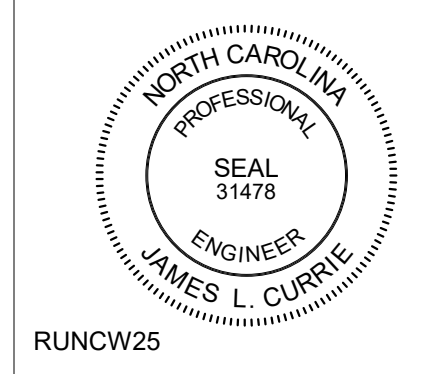
P-22 2" CW FROM BELOW, 1" HW FROM BELOW, AND 3/4" HWR DOWN.

P-23 2" CW FROM BELOW, 1-1/2" HW FROM BELOW, AND 3/4" HWR FROM ABOVE. 1-1/2" CW AND 1" HW LINES TO CONTINUE TO FLOOR AND ABOVE AND 3/4" HWR LINE TO CONTINUE TO FLOOR BELOW.

KEY PLAN



NOT TO SCALE



RUNCW25

SCO # 24-29053-02D

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COMPLETE PACKAGE - CONSTRUCTION DOCUMENTS

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NO.	REASON	DATE

PROJECT TEAM
 PRINCIPAL IN CHARGE
 JAMES CURRIE, PE
 PROJECT MANAGER
 DAN KNOX, PE
 DESIGN TEAM
 REBECCA CLEWETT

UNIVERSITY OF NORTH CAROLINA AT WILMINGTON
 HOUSING VILLAGE PHASE 3

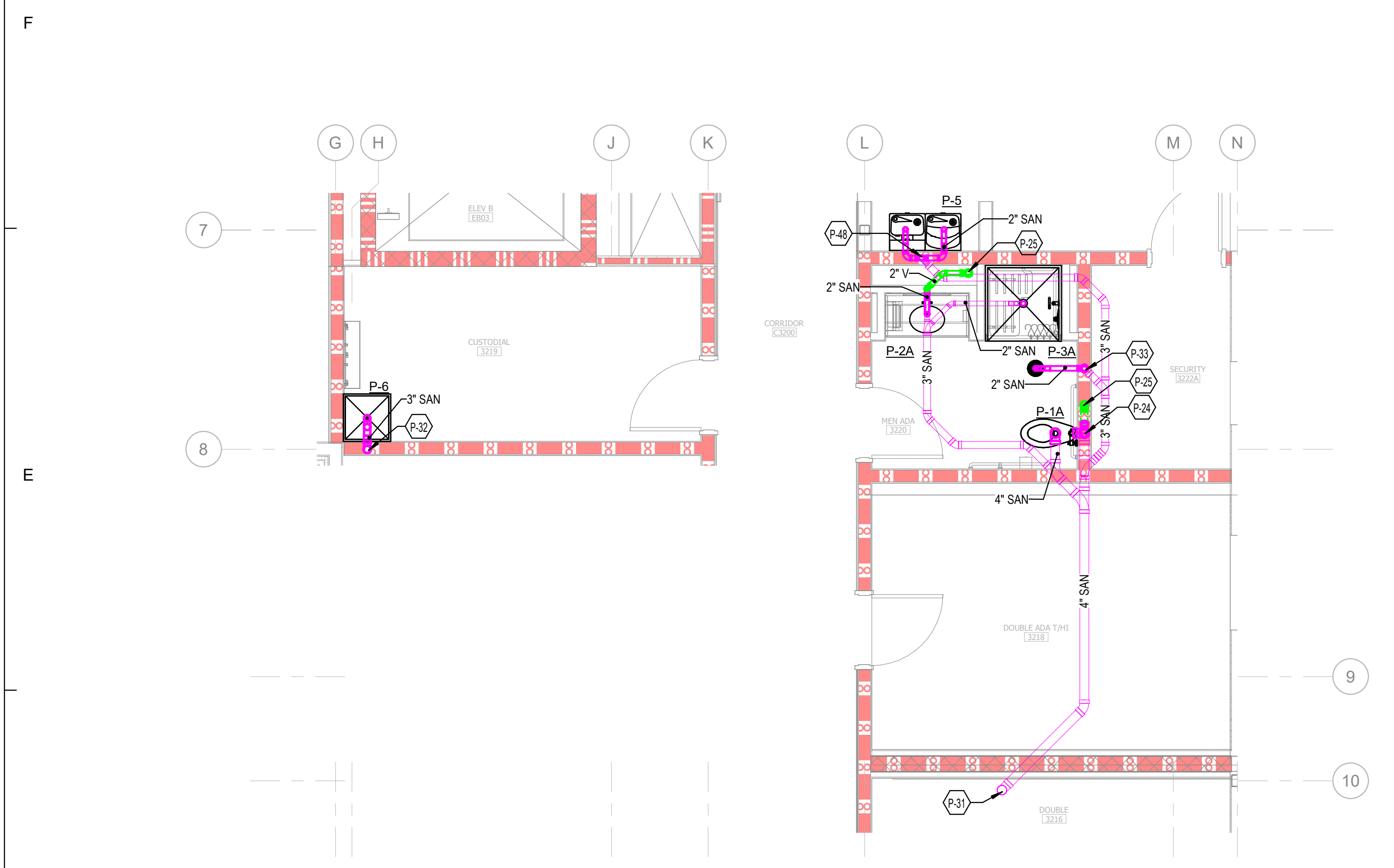
UNC WILMINGTON, NC

PROJECT NO.
514.23018.00

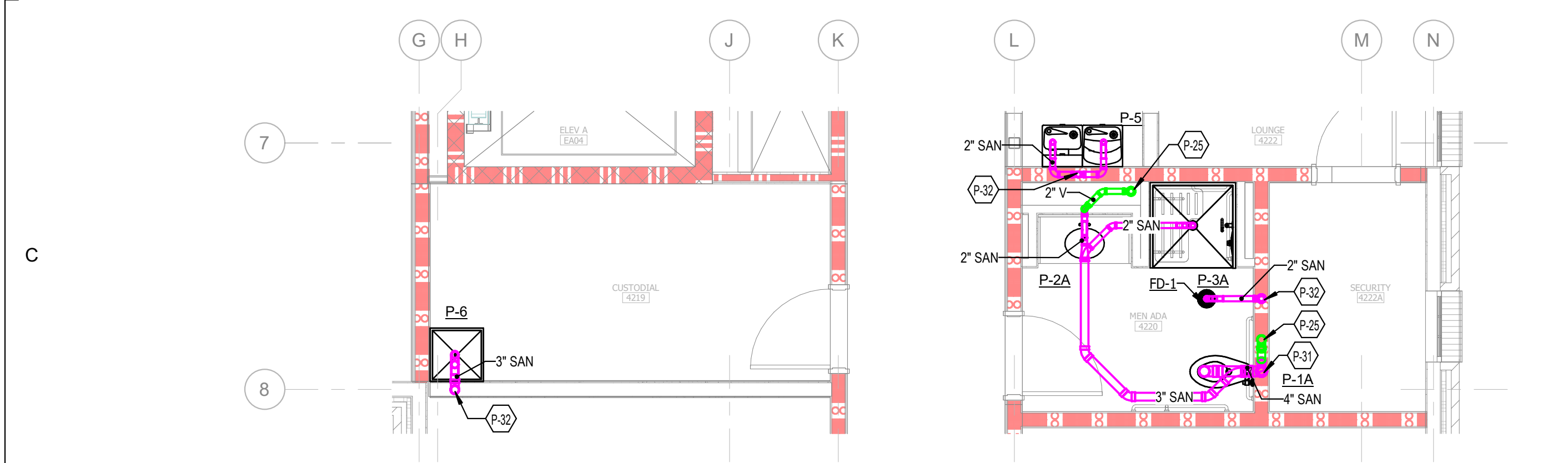
SHEET TITLE
PLUMBING DOMESTIC WATER - ENLARGED KITCHEN LOUNGE STACK PLAN/ ISOMETRIC - AREA B

SHEET NUMBER
P613

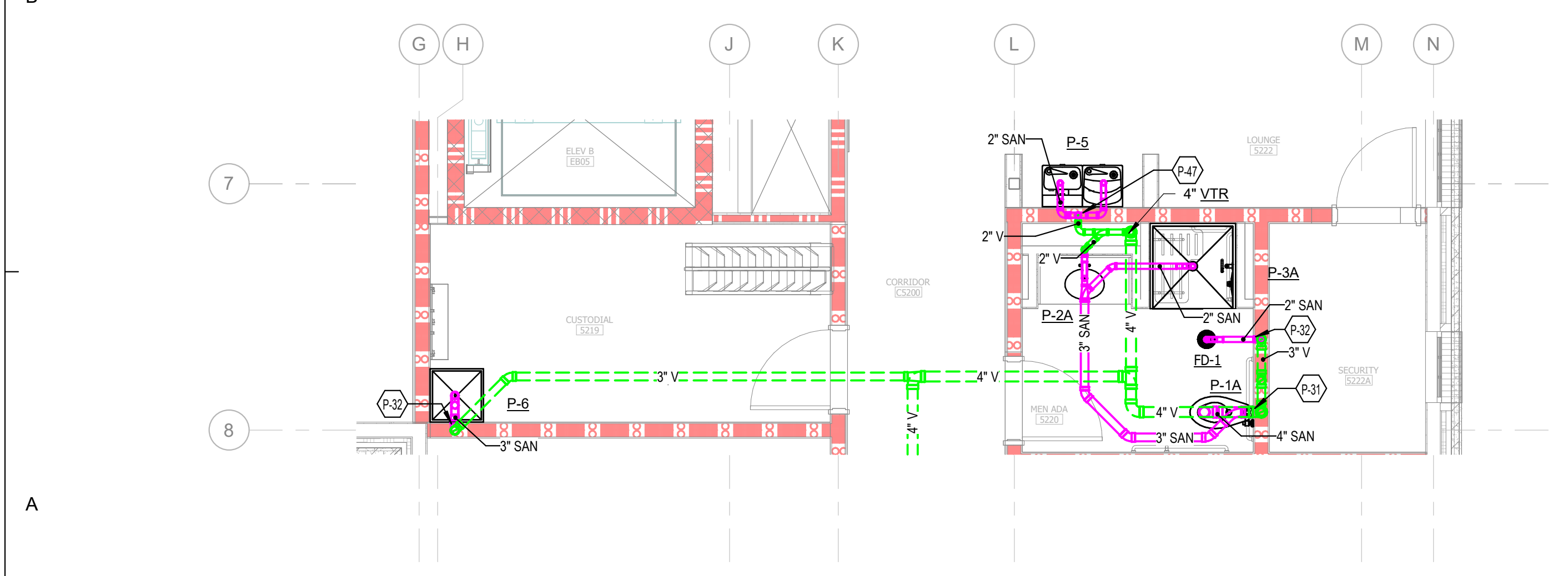
- SHEET KEYED NOTES**
- P-24 4" SANITARY WASTE LINE DOWN FROM ABOVE, PROVIDE WCO IN BASE OF STACK.
 - P-25 3" VENT LINE UP.
 - P-31 4" SANITARY WASTE LINE DOWN.
 - P-32 3" SANITARY WASTE LINE DOWN.
 - P-33 3" SANITARY WASTE LINE DOWN FROM ABOVE, PROVIDE WCO IN BASE OF STACK.
 - P-47 2" SANITARY WASTE LINE DOWN.
 - P-48 2" SANITARY WASTE LINE DOWN FROM ABOVE, PROVIDE WCO IN BASE OF STACK.



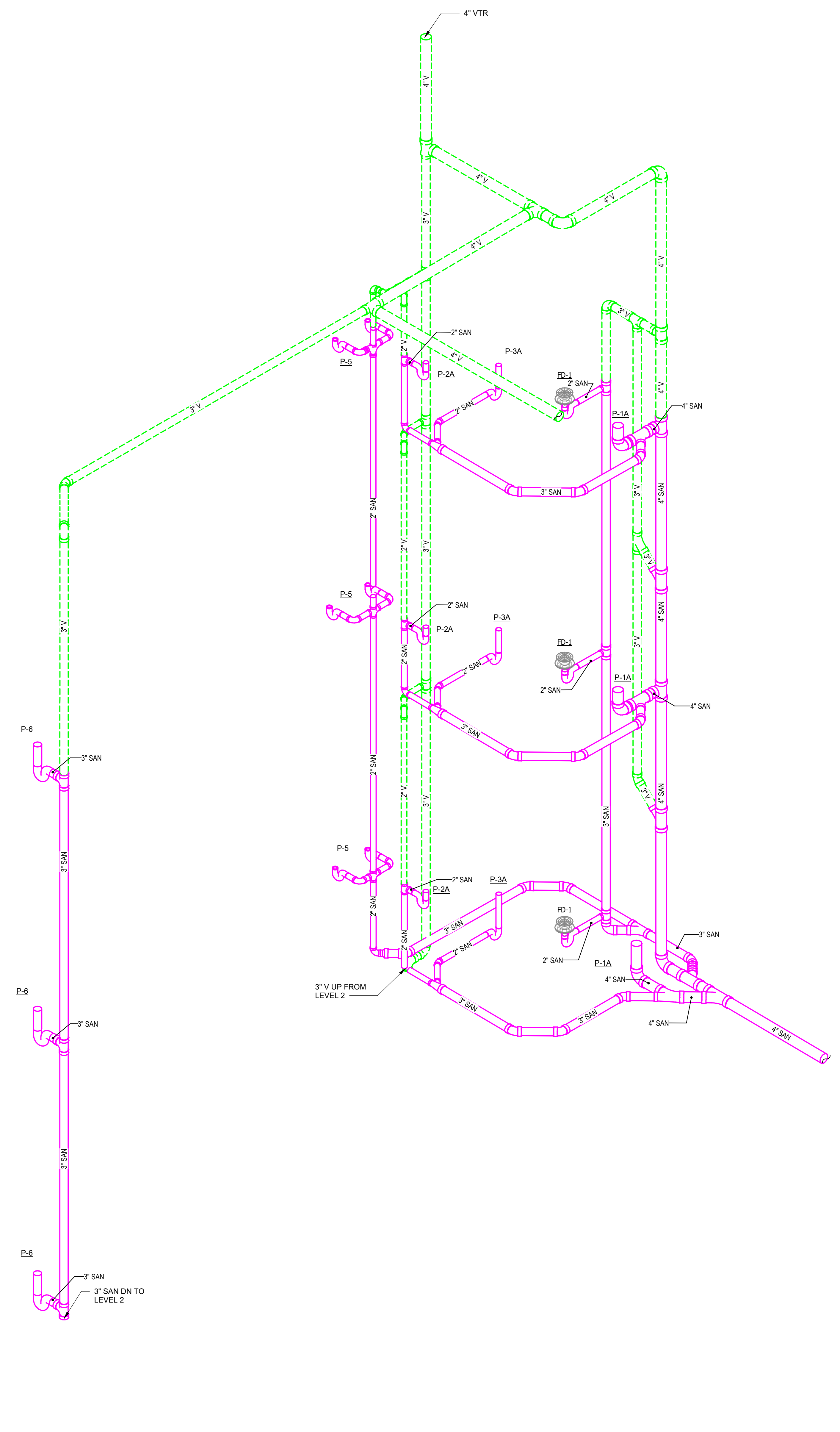
1 PLUMBING WASTE/VENT PLAN - LEVEL 03 AREA A - ENLARGED LOUNGE
0 2 4 6 8 10 12 14 16" 1/4" = 1'-0"



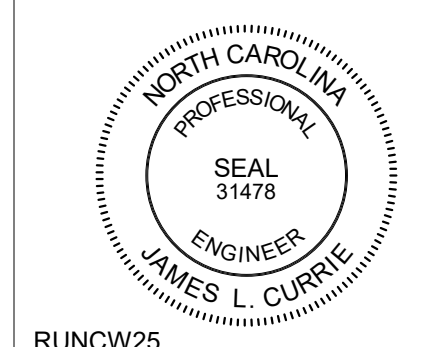
2 PLUMBING WASTE/VENT PLAN - LEVEL 04 AREA A - ENLARGED LOUNGE
0 2 4 6 8 10 12 14 16" 1/4" = 1'-0"



3 PLUMBING WASTE/VENT PLAN - LEVEL 05 AREA A - ENLARGED LOUNGE
0 2 4 6 8 10 12 14 16" 1/4" = 1'-0"



4 PLUMBING WASTE/VENT - LEVEL 03-05 AREA B - LOUNGE RISER
NOT TO SCALE



RUNCW25

SCO # 24-29053-02D

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COMPLETE PACKAGE - CONSTRUCTION DOCUMENTS

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PROJECT TEAM
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PROJECT MANAGER
DAN KNOX, PE
DESIGN TEAM
REBECCA CLEWETT

UNIVERSITY OF NORTH CAROLINA AT WILMINGTON HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

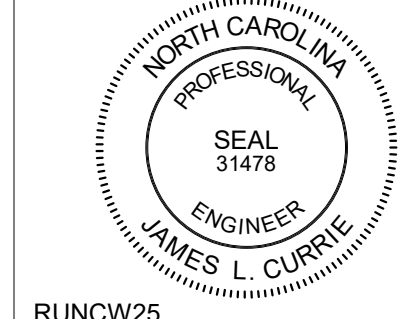
PROJECT NO.
514.23018.00

SHEET TITLE
PLUMBING WASTE/VENT - ENLARGED LOUNGE STACK PLAN/ ISOMETRIC - AREA A

SHEET NUMBER
P614

SHEET KEYED NOTES

- P-24 4" SANITARY WASTE LINE DOWN FROM ABOVE, PROVIDE WCO IN BASE OF STACK.
- P-25 3" VENT LINE UP.
- P-31 4" SANITARY WASTE LINE DOWN.
- P-32 3" SANITARY WASTE LINE DOWN.
- P-33 3" SANITARY WASTE LINE DOWN FROM ABOVE, PROVIDE WCO IN BASE OF STACK.
- P-49 3" VENT UP FROM FLOOR BELOW.



RUNCW25

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REBECCA CLEWETT

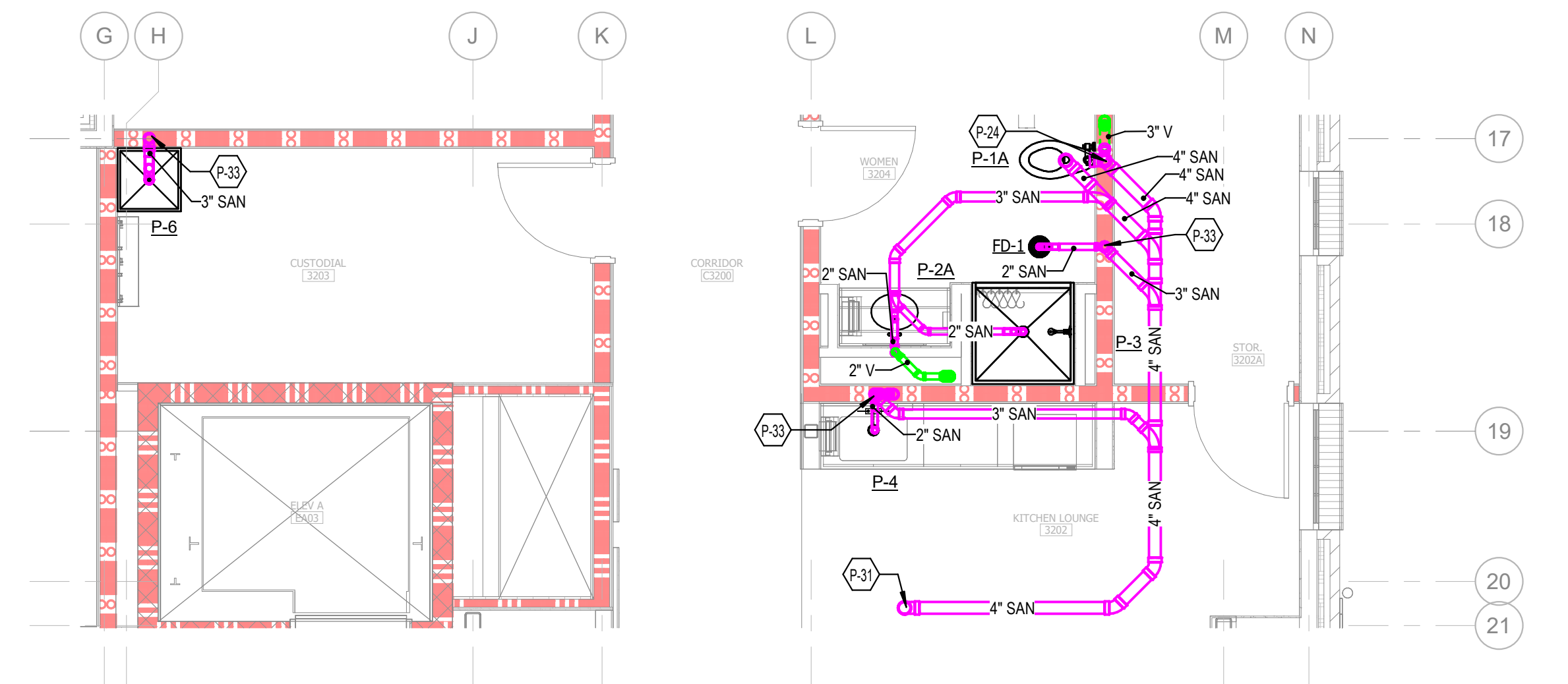
UNIVERSITY OF NORTH CAROLINA AT WILMINGTON HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

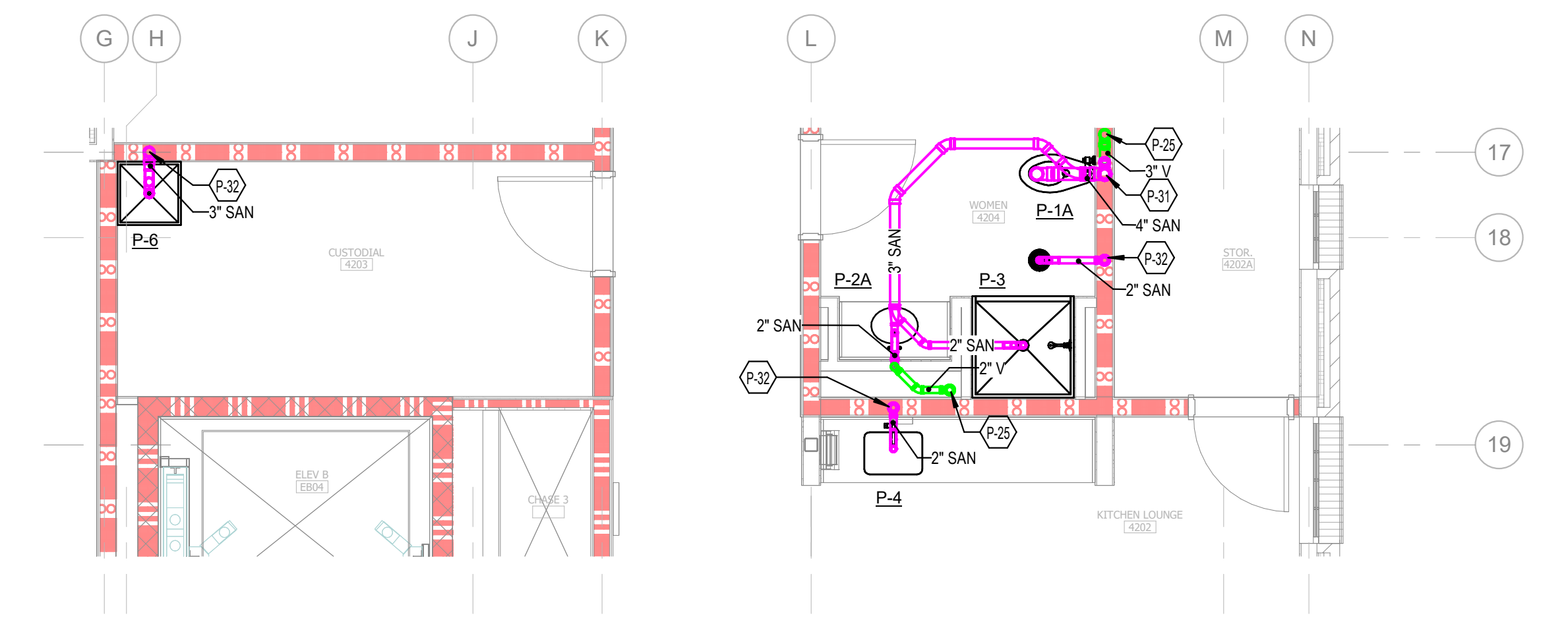
PROJECT NO.
514.23018.00

SHEET TITLE
PLUMBING WASTE/VENT - ENLARGED KITCHEN/LOUNGE STACK PLAN/ISOMETRIC - AREA B

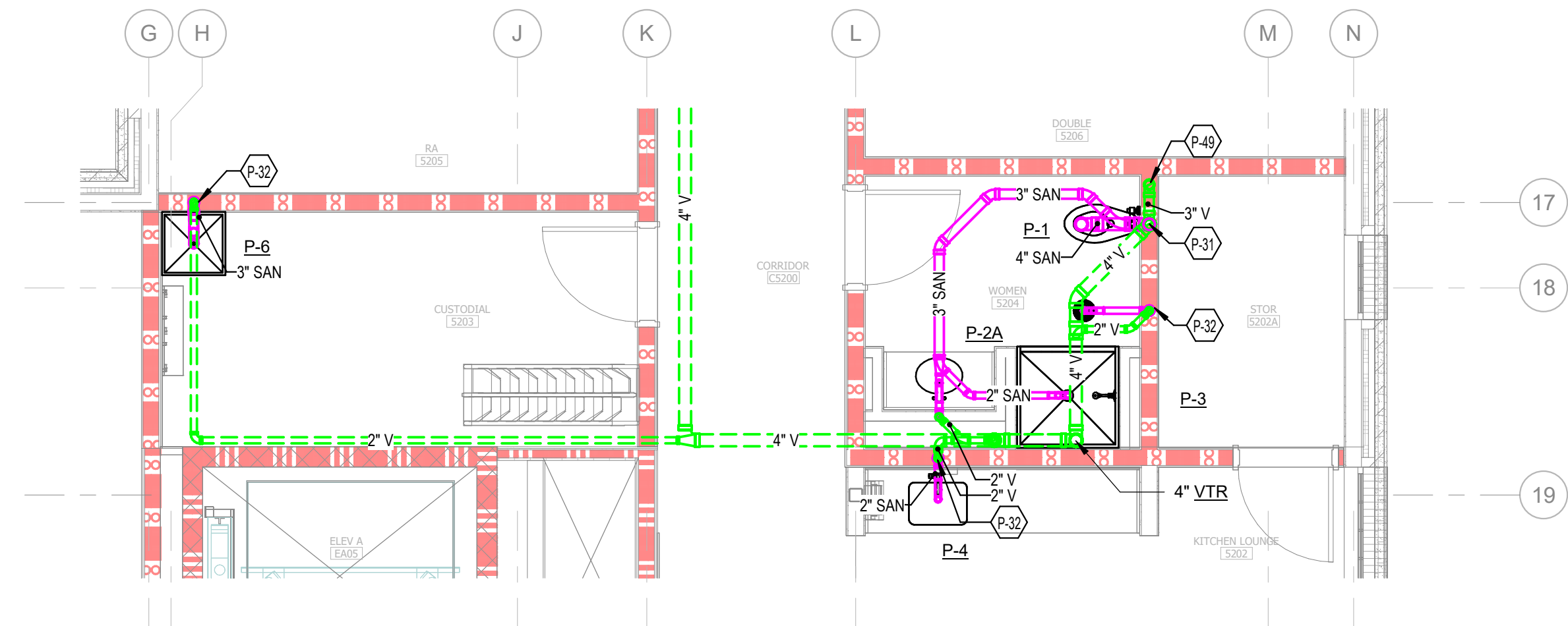
SHEET NUMBER
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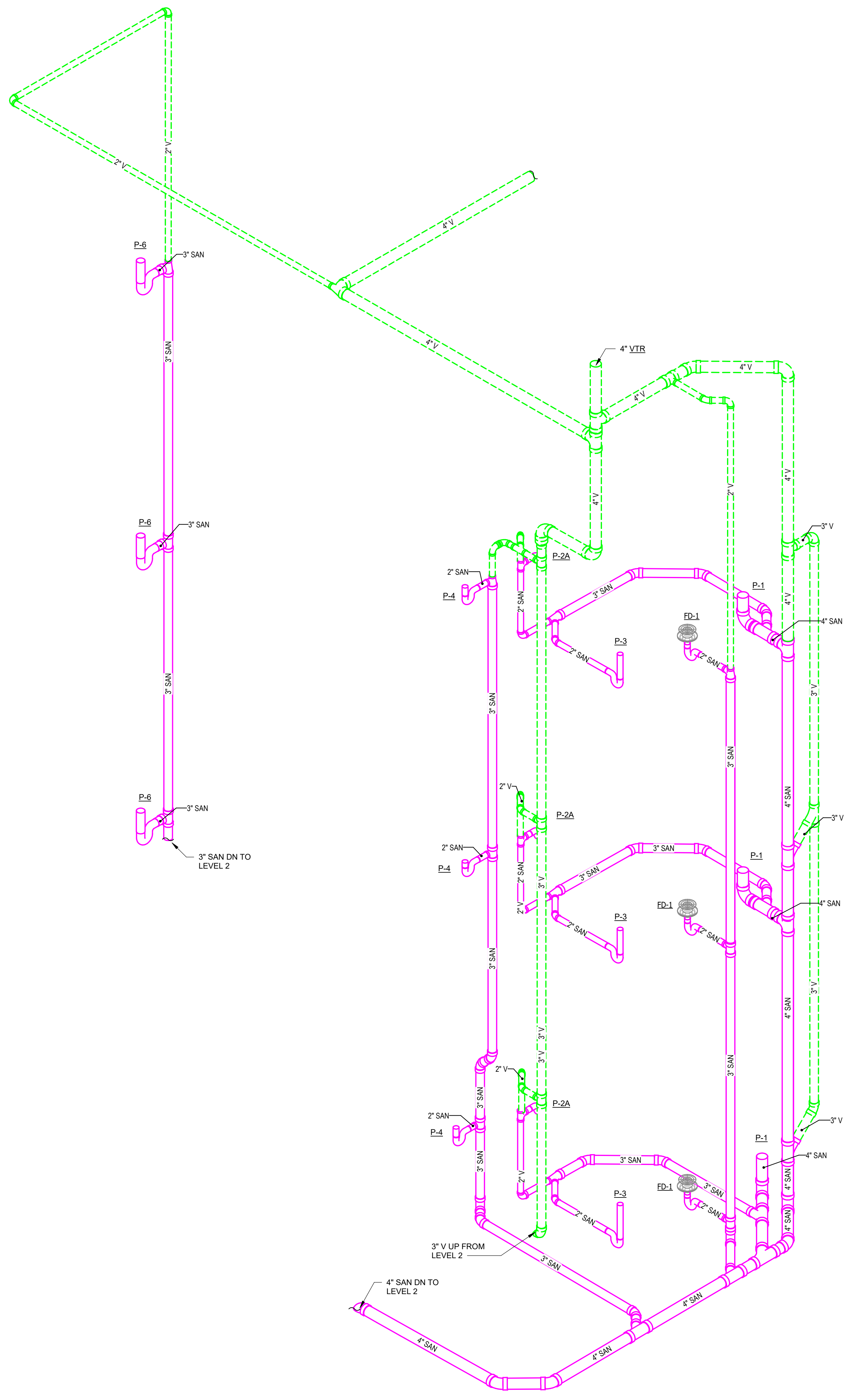
1 PLUMBING WASTE/VENT PLAN - LEVEL 03 AREA B - ENLARGED KITCHEN/LOUNGE



2 PLUMBING WASTE/VENT PLAN - LEVEL 04 AREA B - ENLARGED KITCHEN/LOUNGE

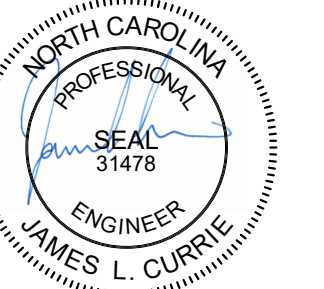


3 PLUMBING WASTE/VENT PLAN - LEVEL 05 AREA B - ENLARGED KITCHEN/LOUNGE



4 PLUMBING WASTE/VENT - LEVEL 03-05 AREA B - KITCHEN/LOUNGE RISER
NOT TO SCALE

Autodesk Docs/UNC Wilmington - Housing Village Phase 3/RUNCW25 - UNCW Residence Hall_FMEP_R24.rvt
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RUNCW25

SCO # 24-29053-02D

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DESIGN TEAM
REBECCA CLEWETT

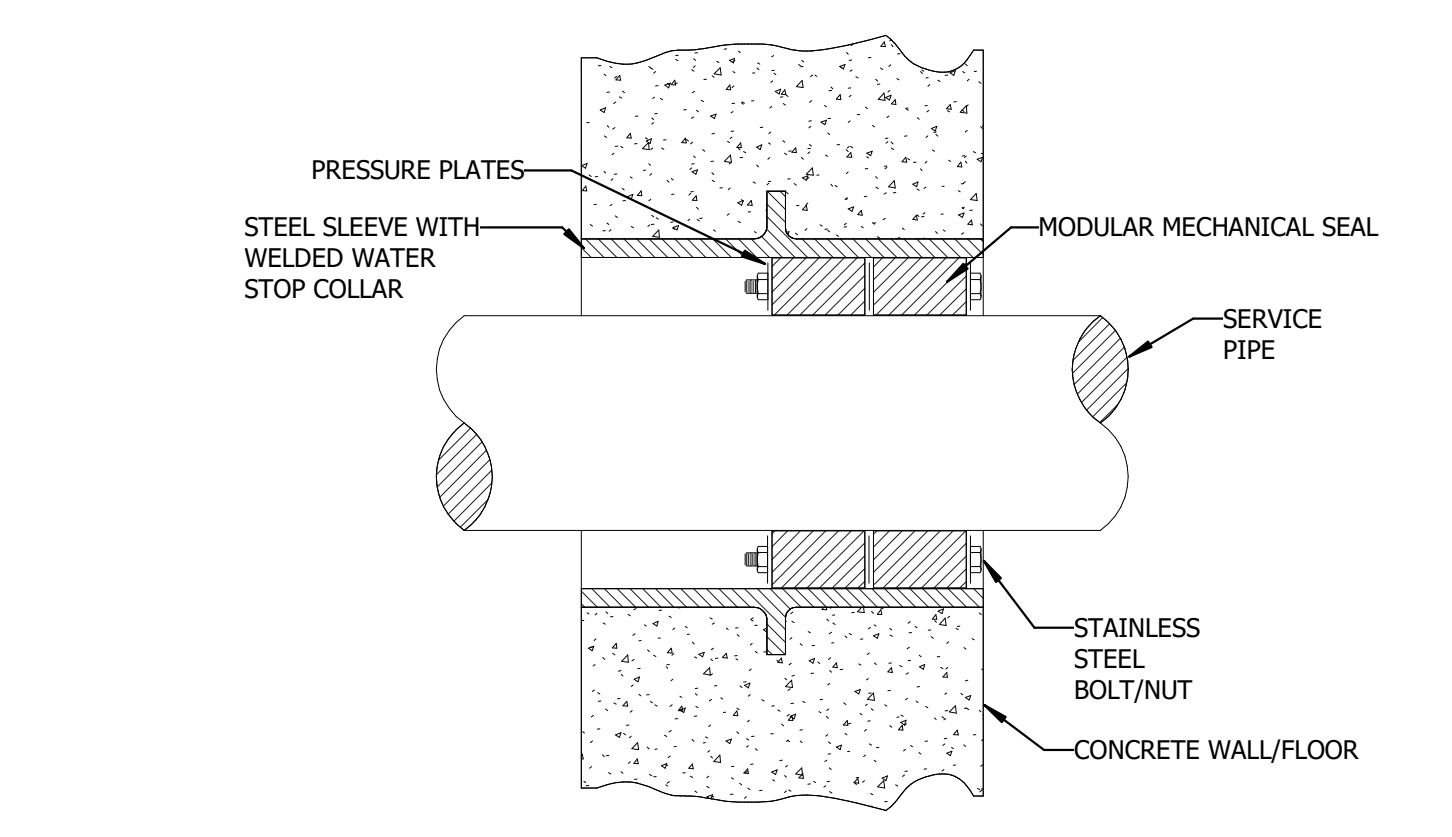
UNIVERSITY OF NORTH
CAROLINA AT WILMINGTON
HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

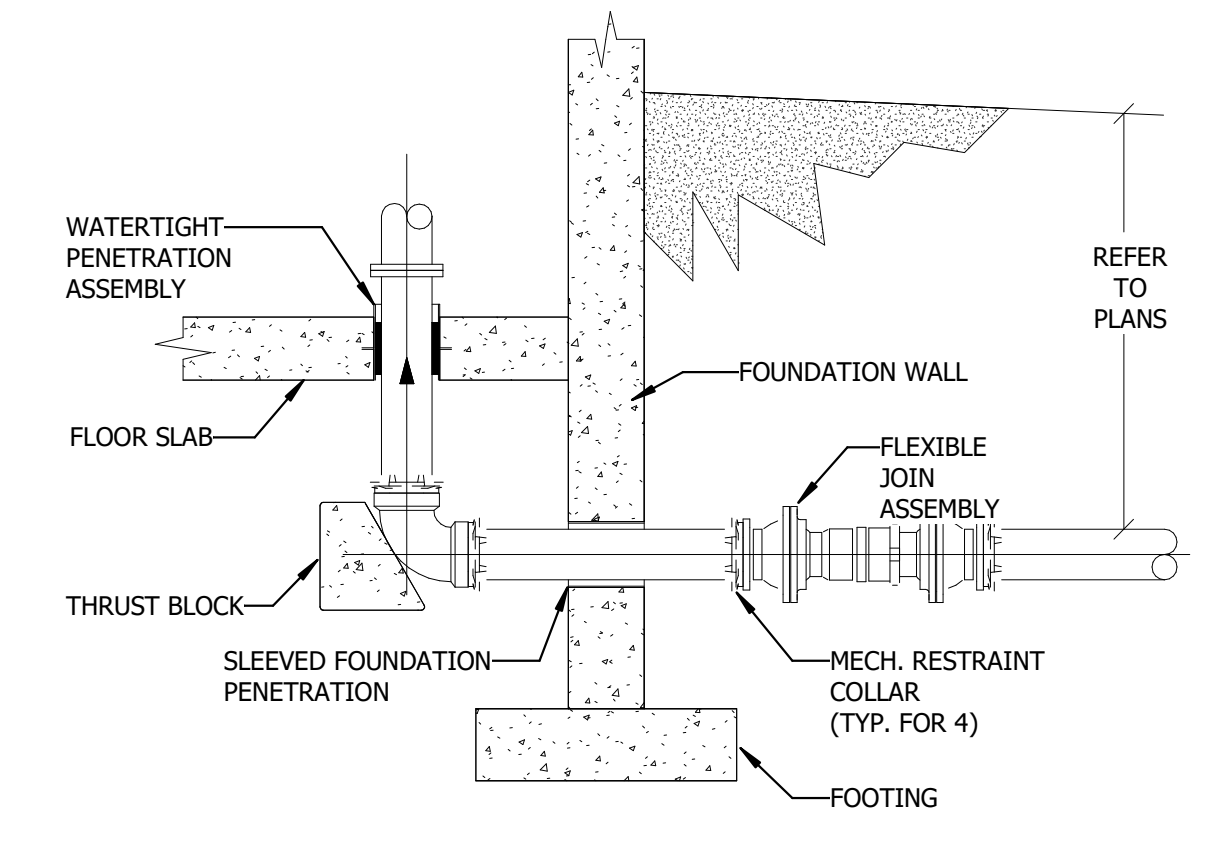
PROJECT NO.
514.23018.00

SHEET TITLE
PLUMBING DETAILS

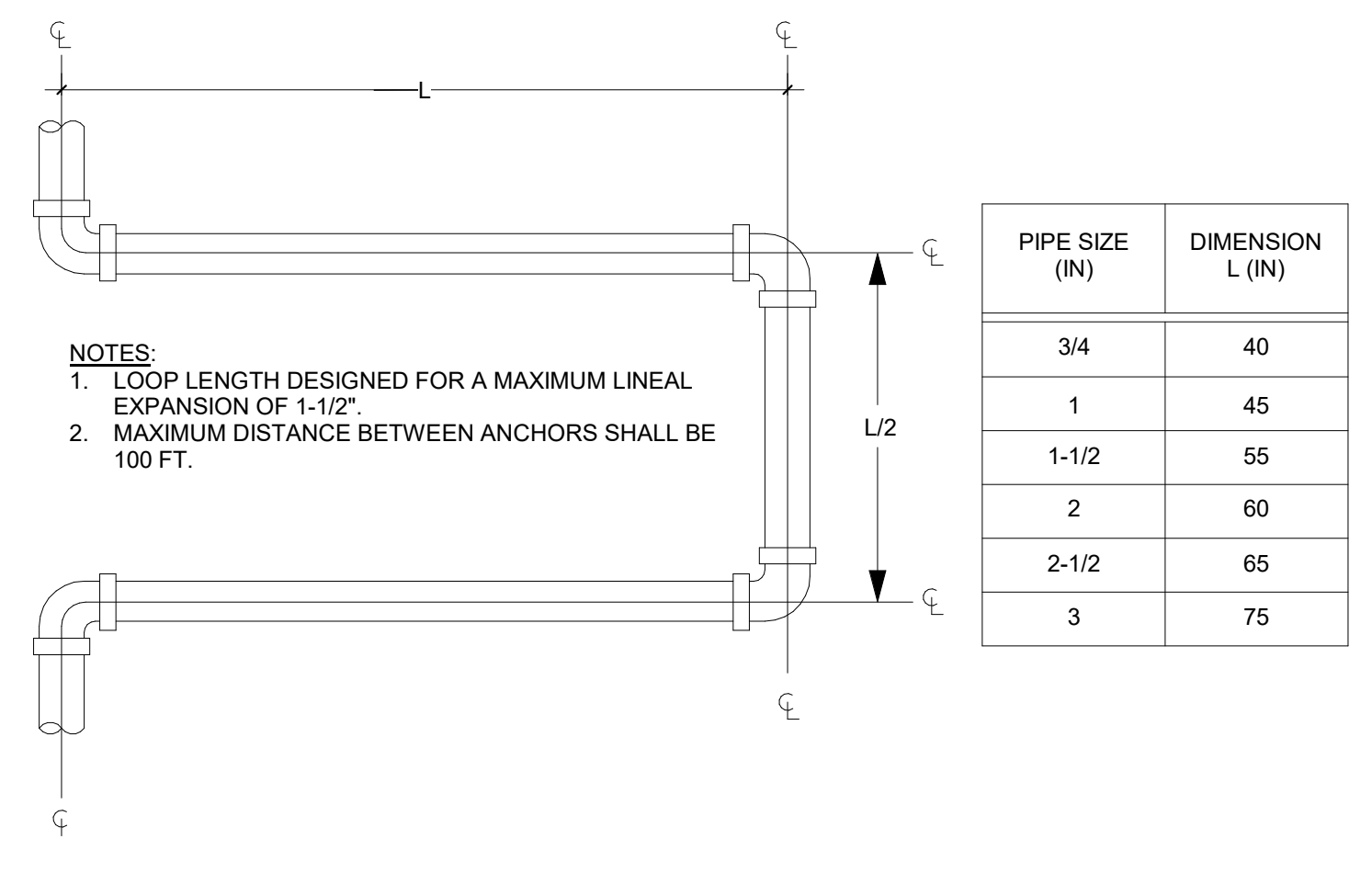
SHEET NUMBER
P901



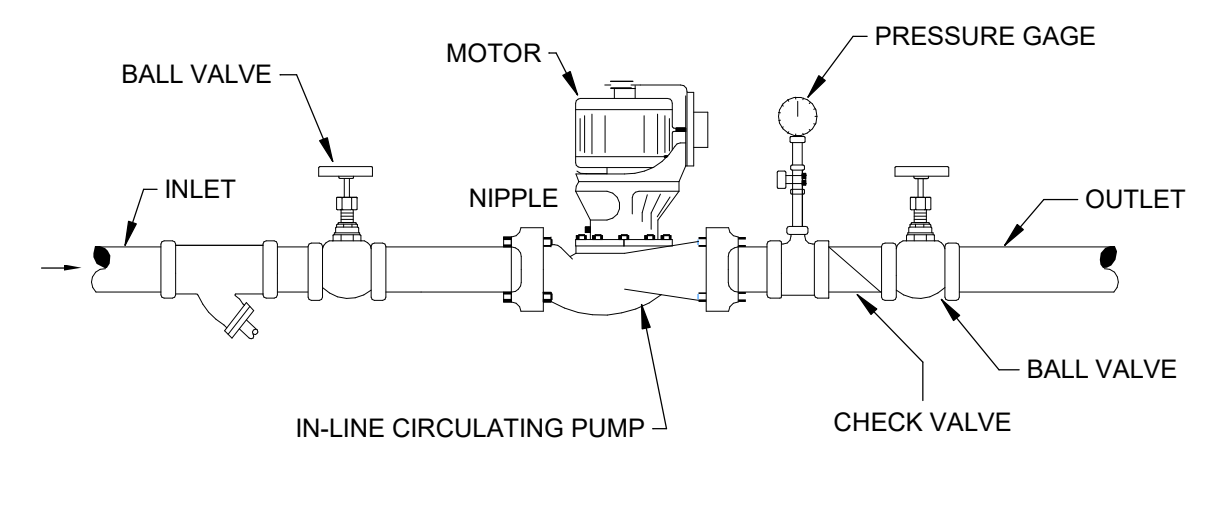
4 WATERTIGHT PIPE PENETRATION DETAIL
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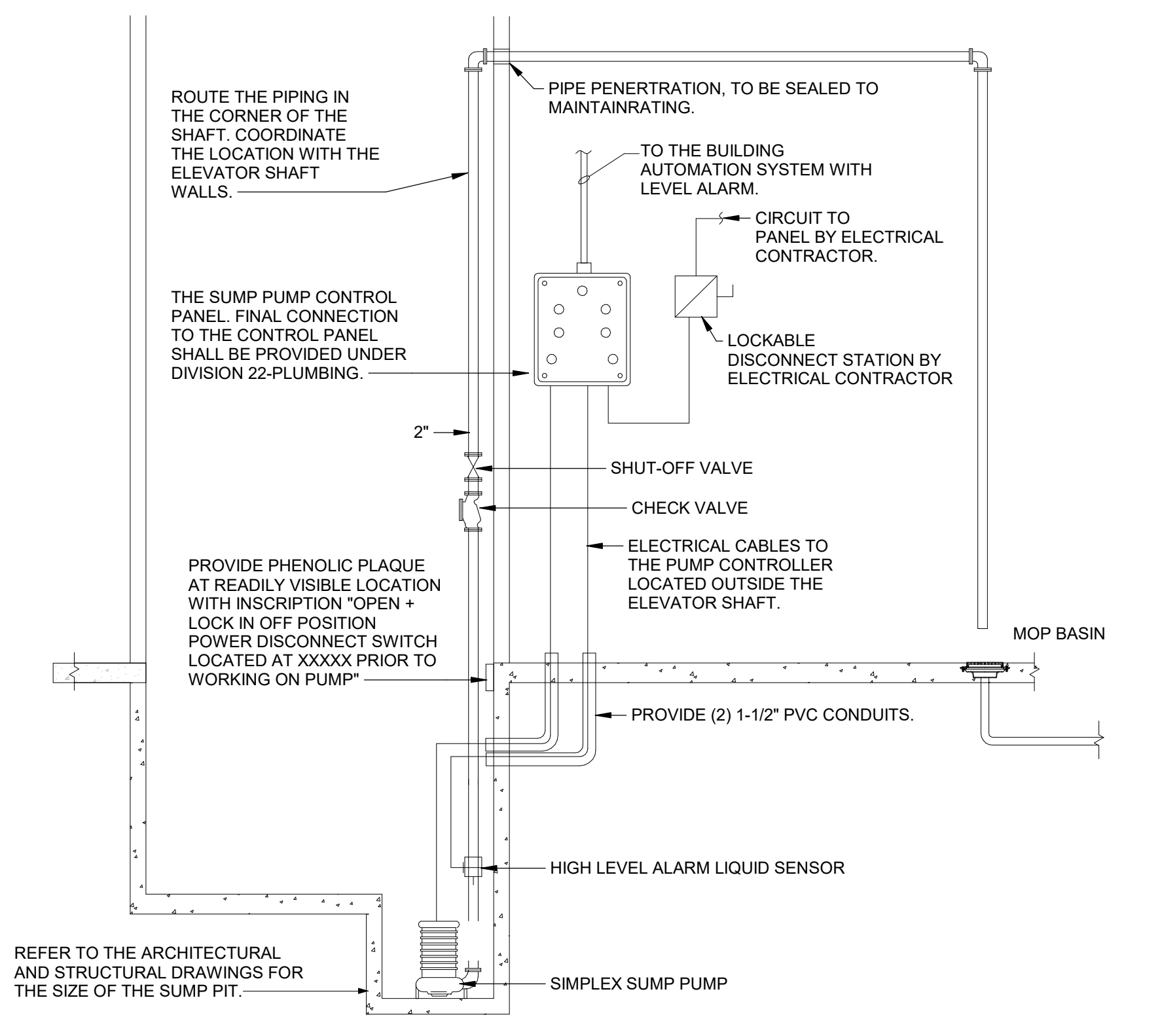
3 WATER SERVICE THROUGH FLOOR DETAIL
NOT TO SCALE



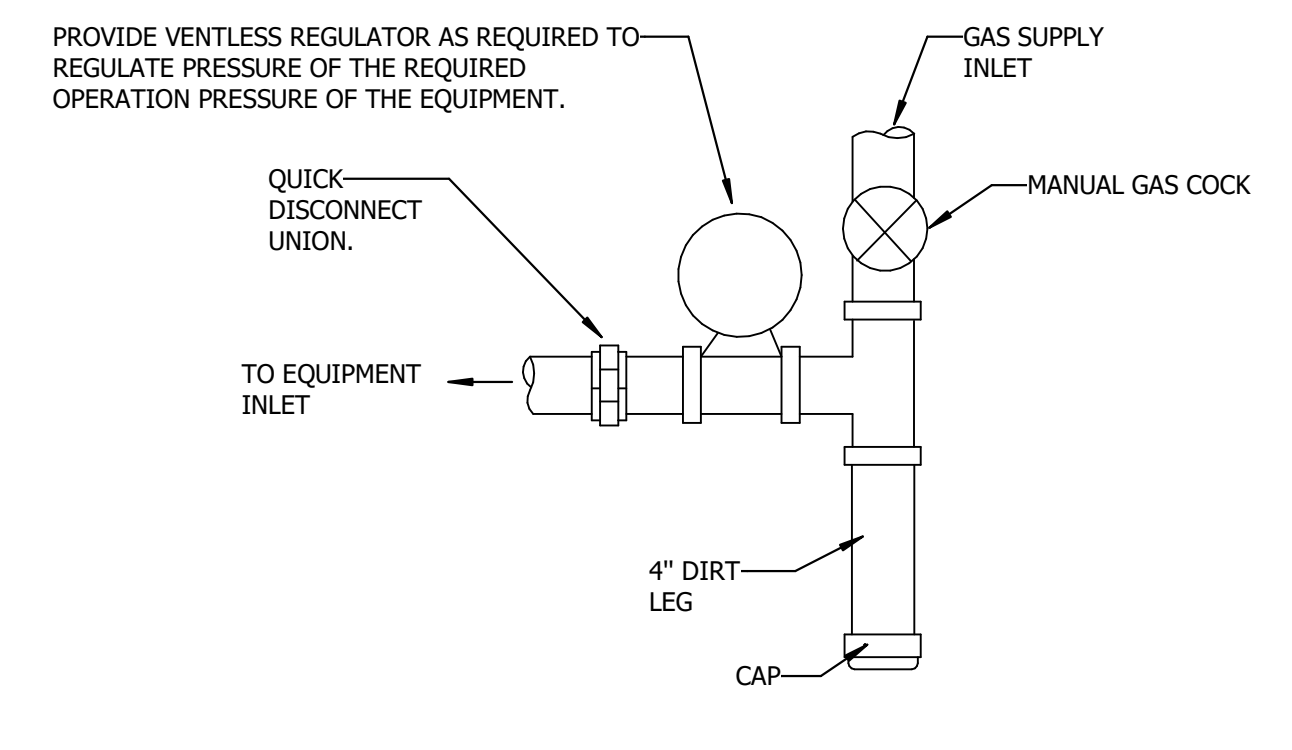
2 HOT WATER EXPANSION LOOP DETAIL
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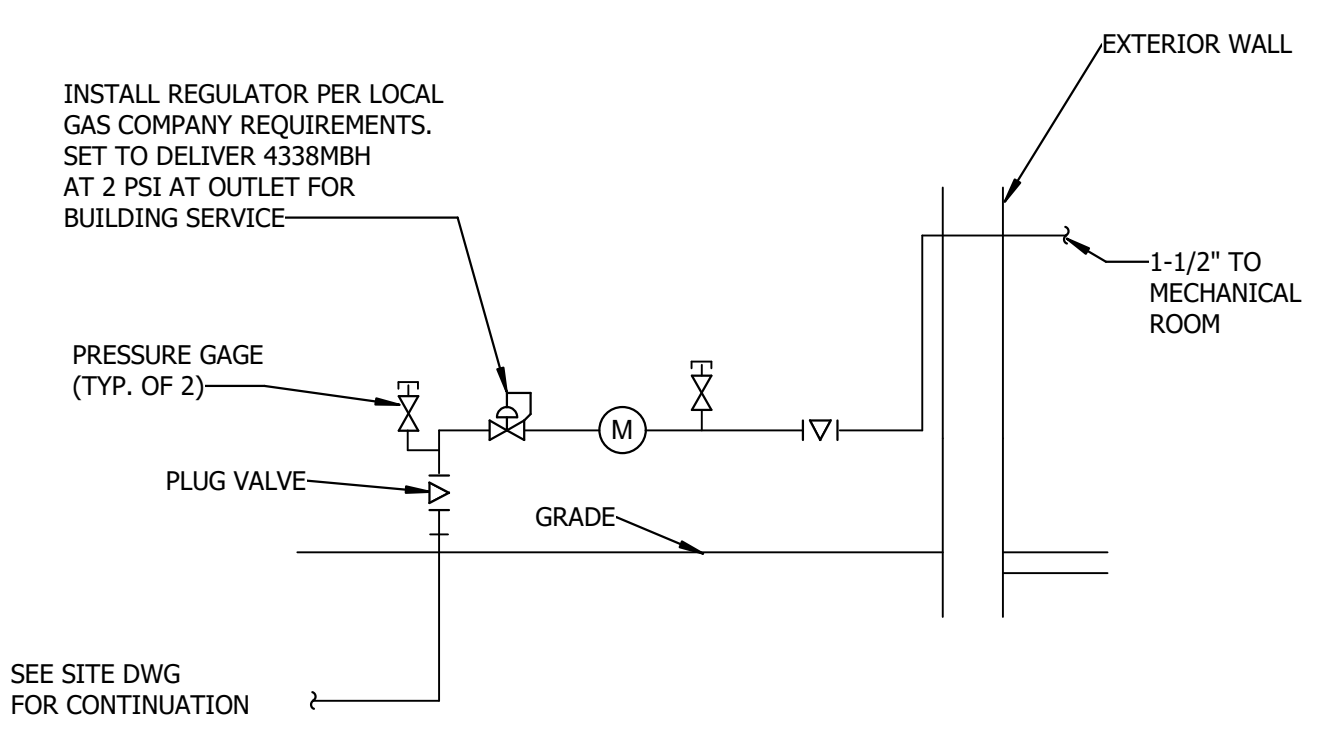
1 CIRCULATING PUMP DETAIL
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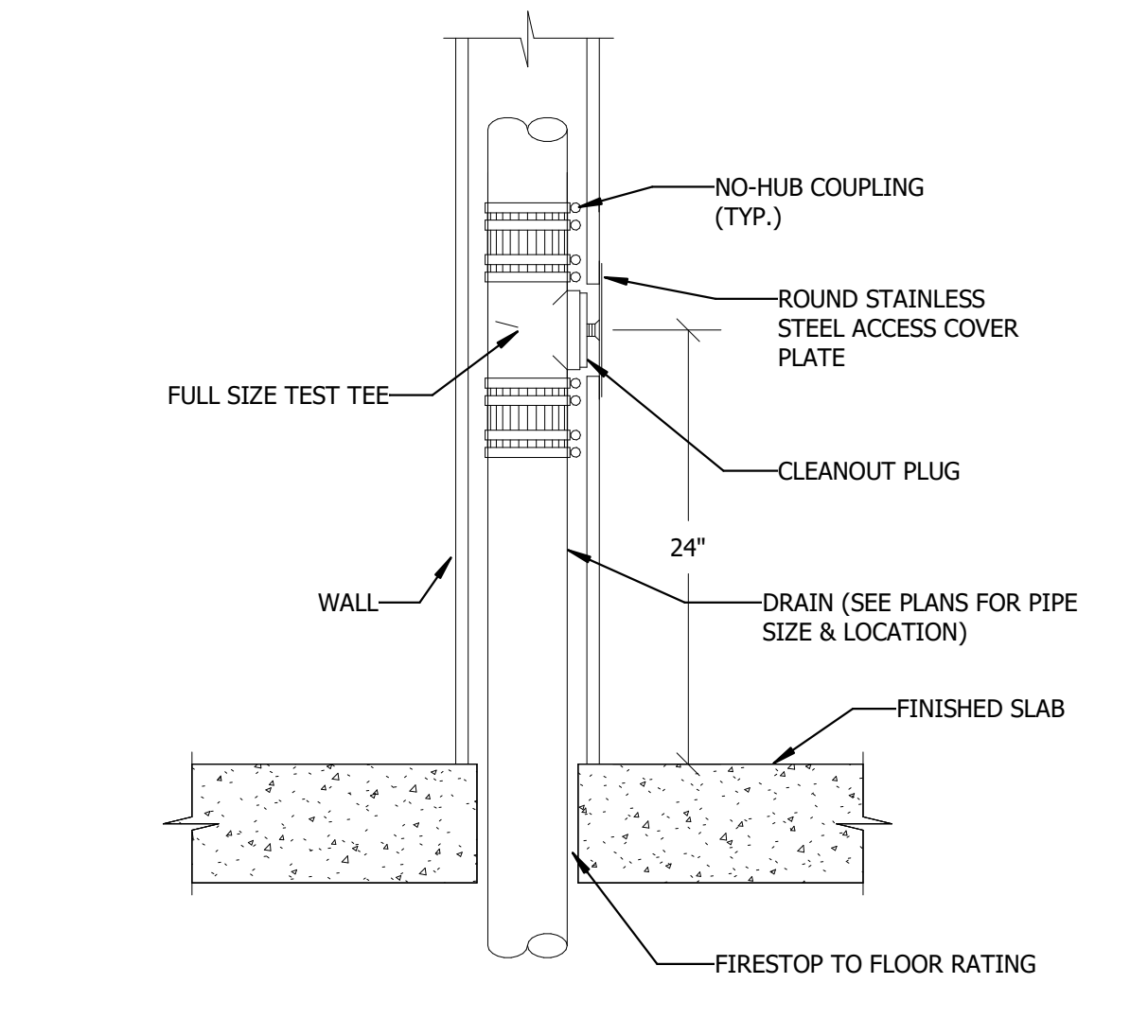
8 ELEVATOR SUMP DETAIL
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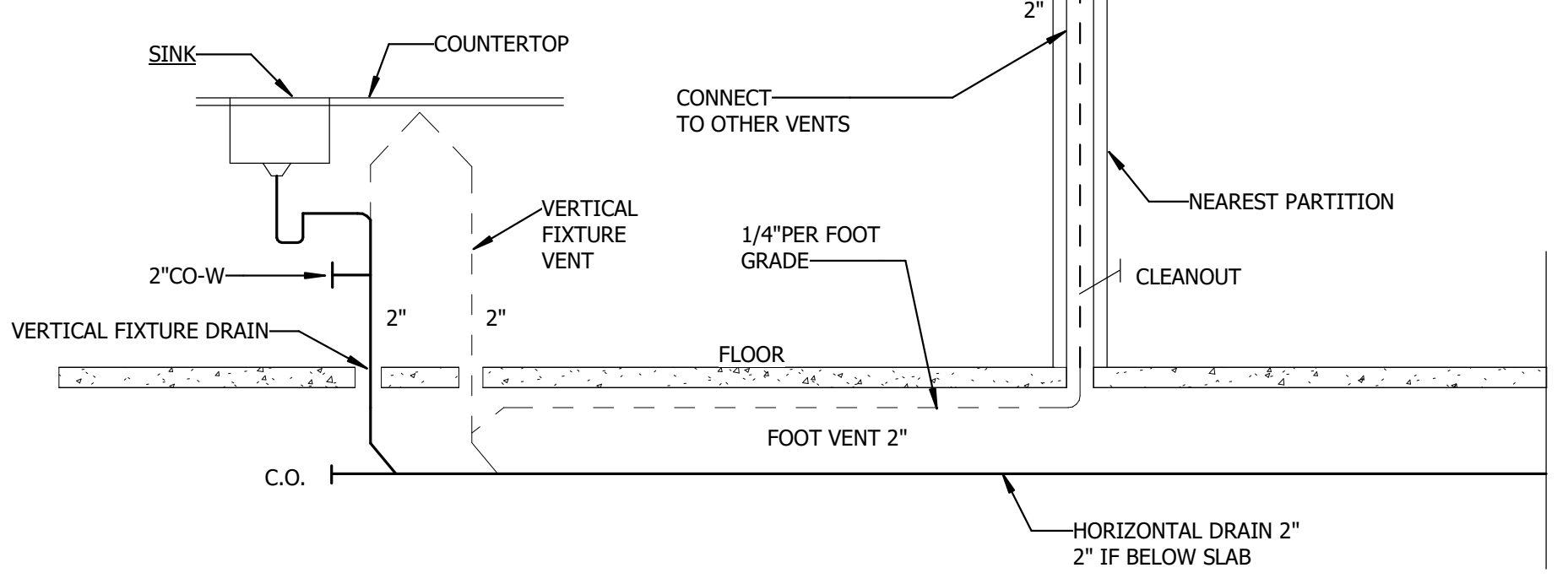
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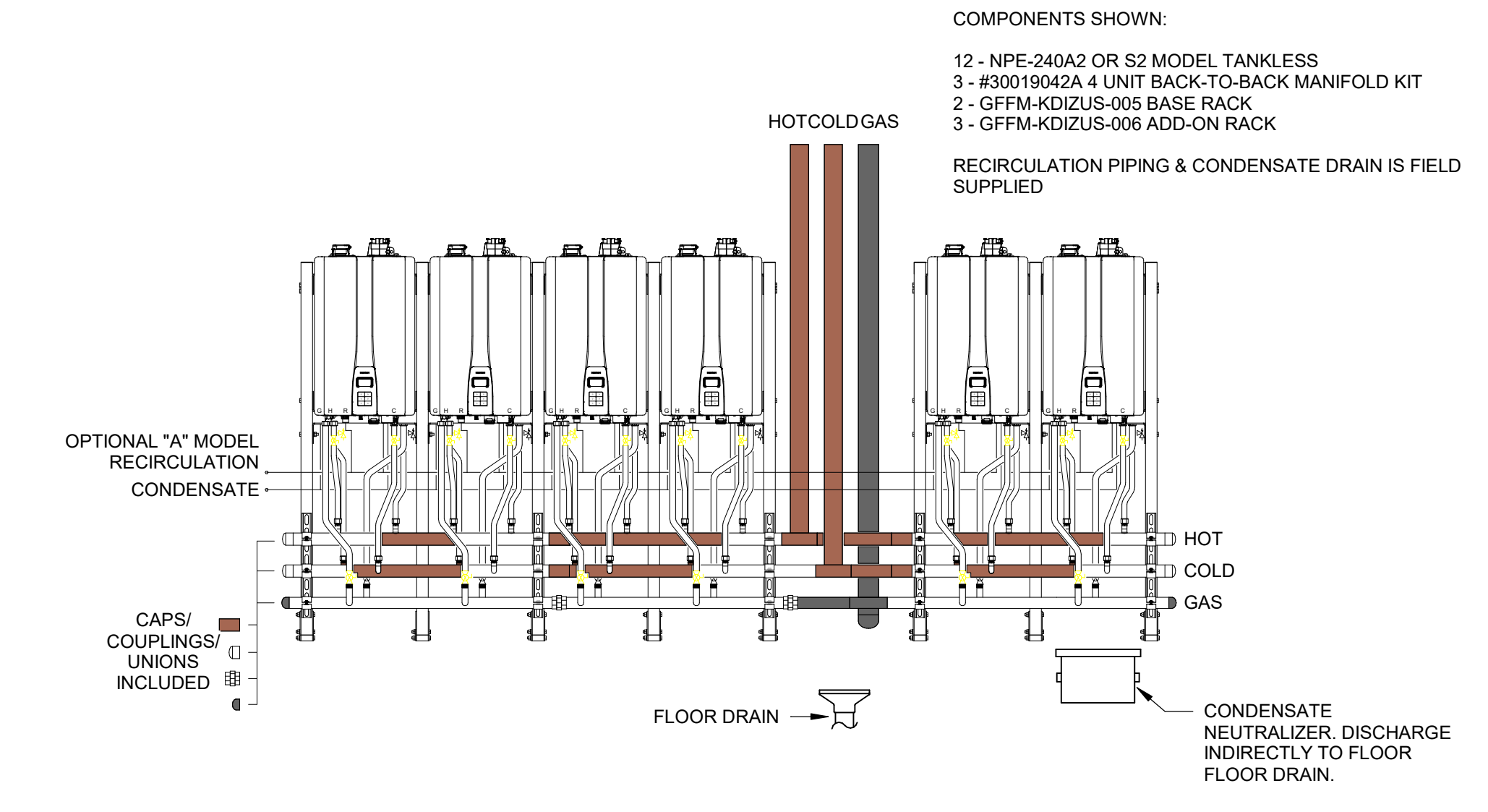
6 GAS SERVICE ENTRANCE DETAIL
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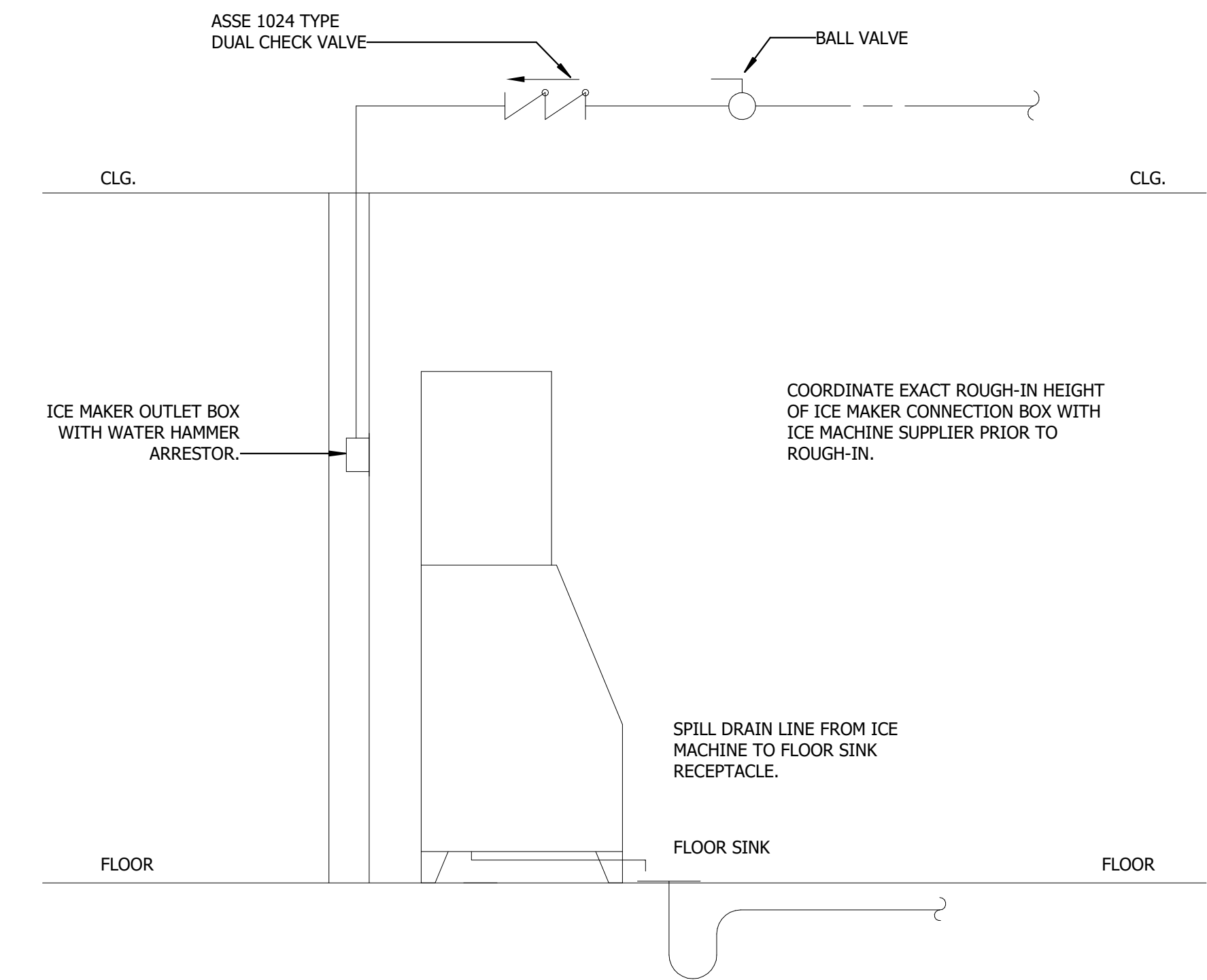
5 WALL CLEANOUT DETAIL
NOT TO SCALE



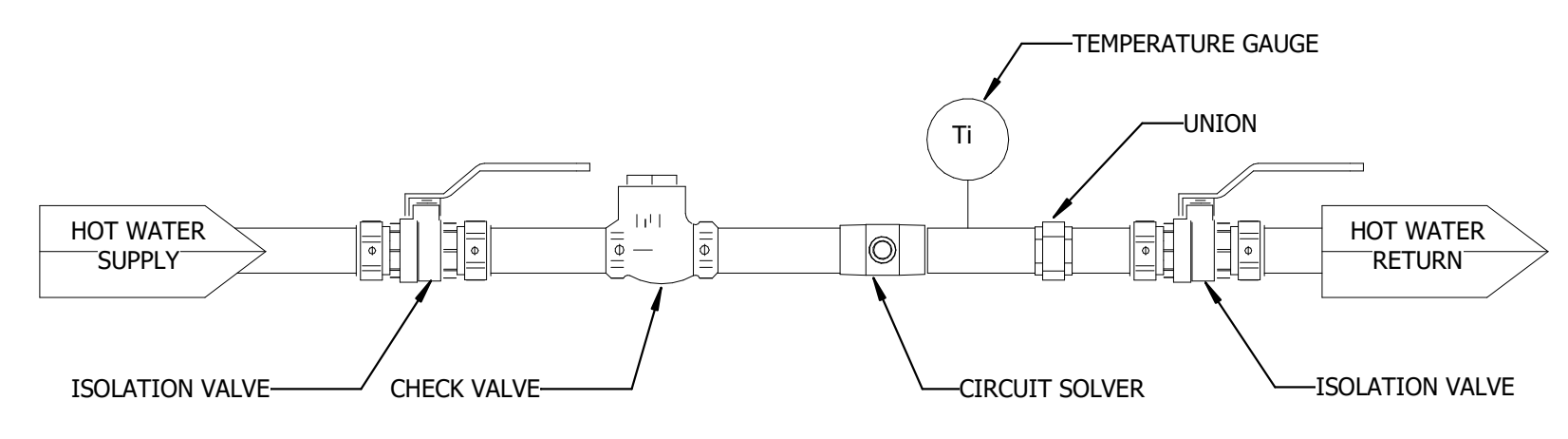
10 LAUNDRY SINK VENT DETAIL
NOT TO SCALE



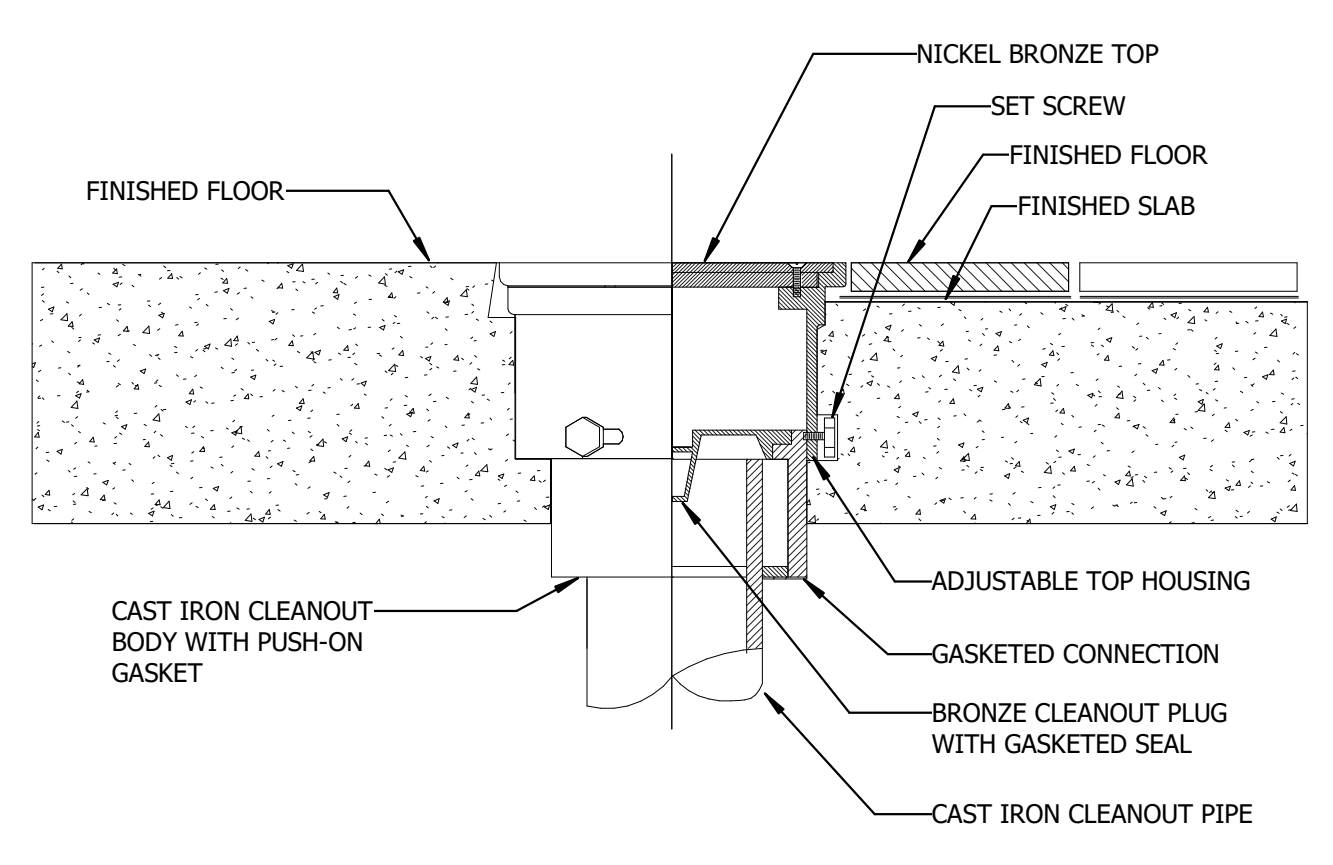
9 GAS-FIRED INSTANTANEOUS WATER HEATER
NOT TO SCALE



13 ICE MAKER PIPING DETAIL
NOT TO SCALE

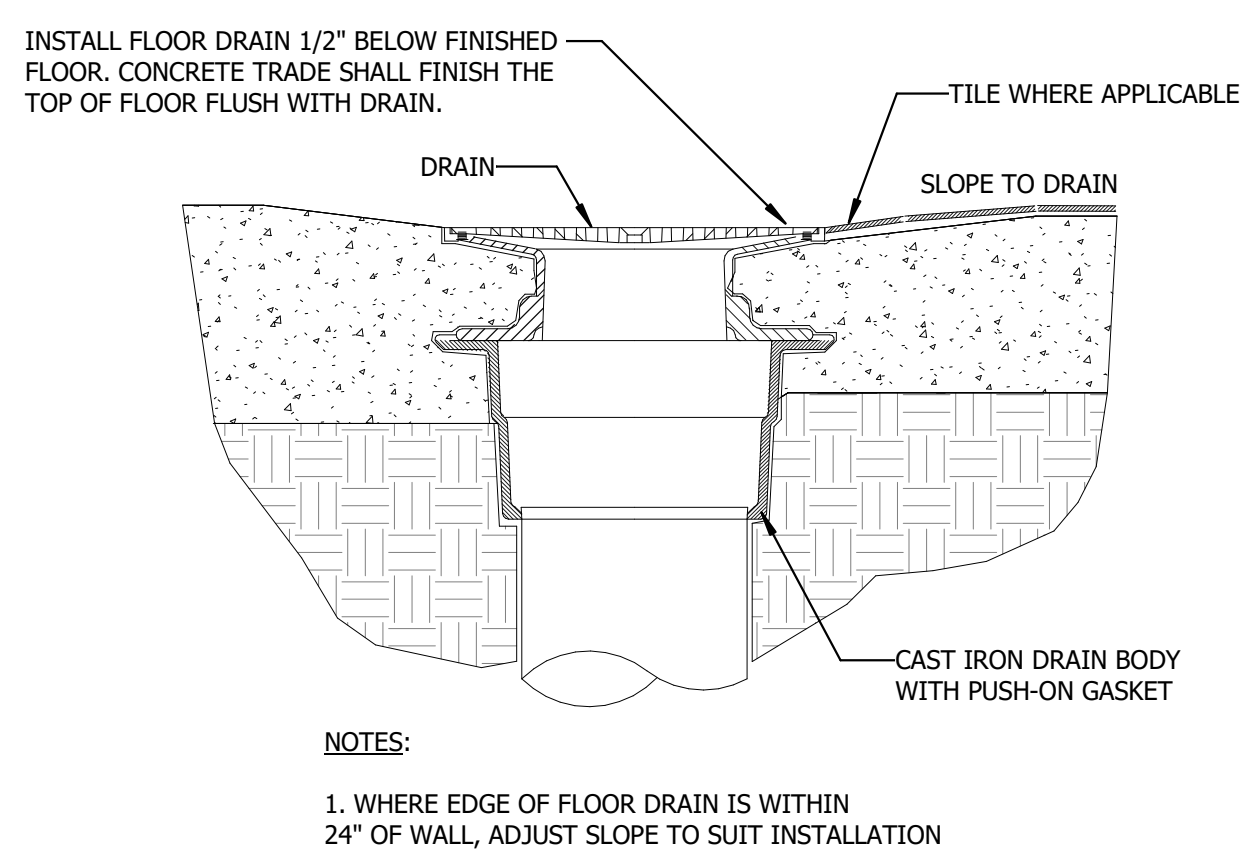


12 HOT WATER RETURN ASSEMBLY DETAIL
NOT TO SCALE

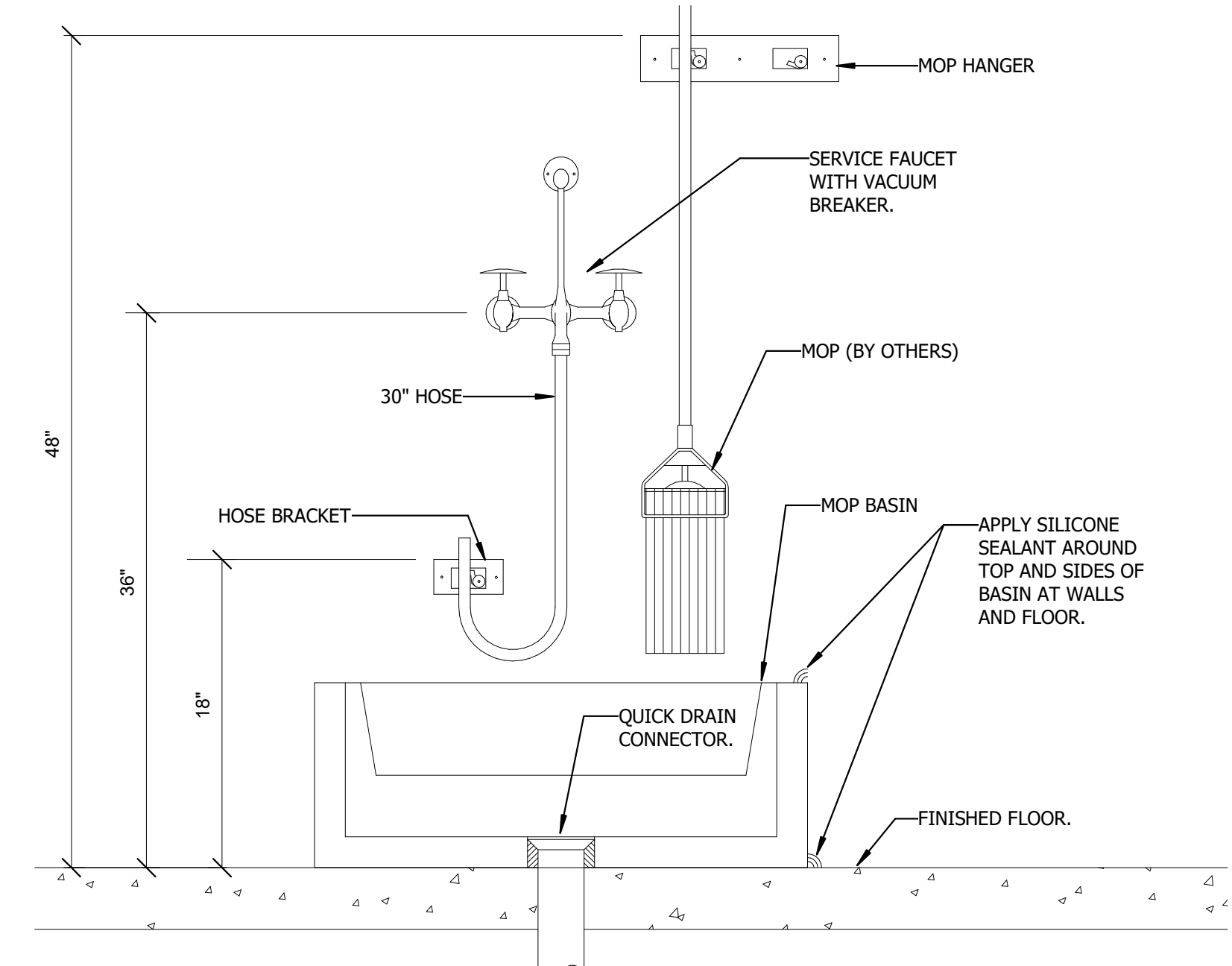


11 FLOOR CLEANOUT DETAIL
NOT TO SCALE

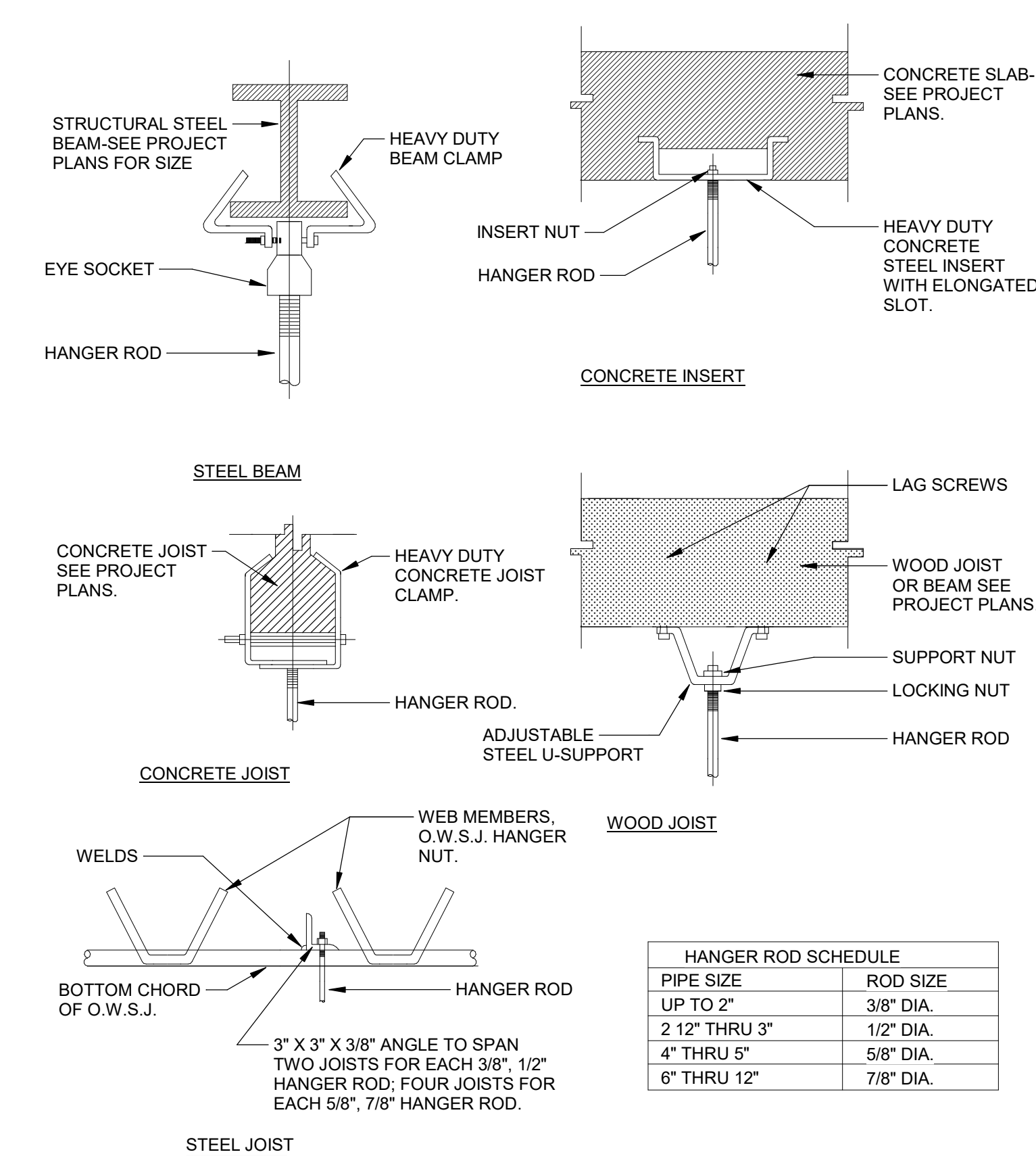
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1 FINISHED FLOOR DRAIN DETAIL NOT TO SCALE

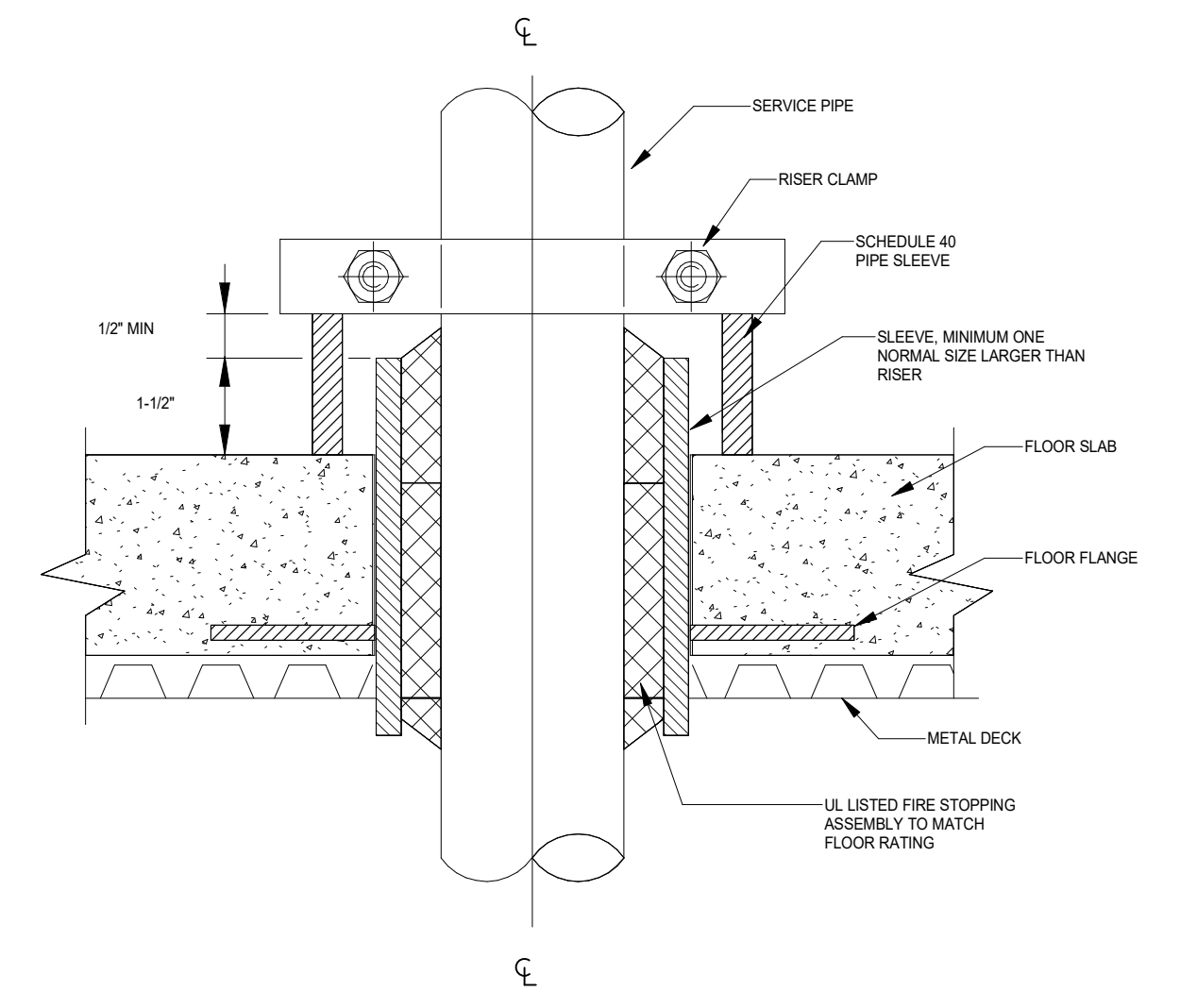


2 MOP SINK DETAIL NOT TO SCALE

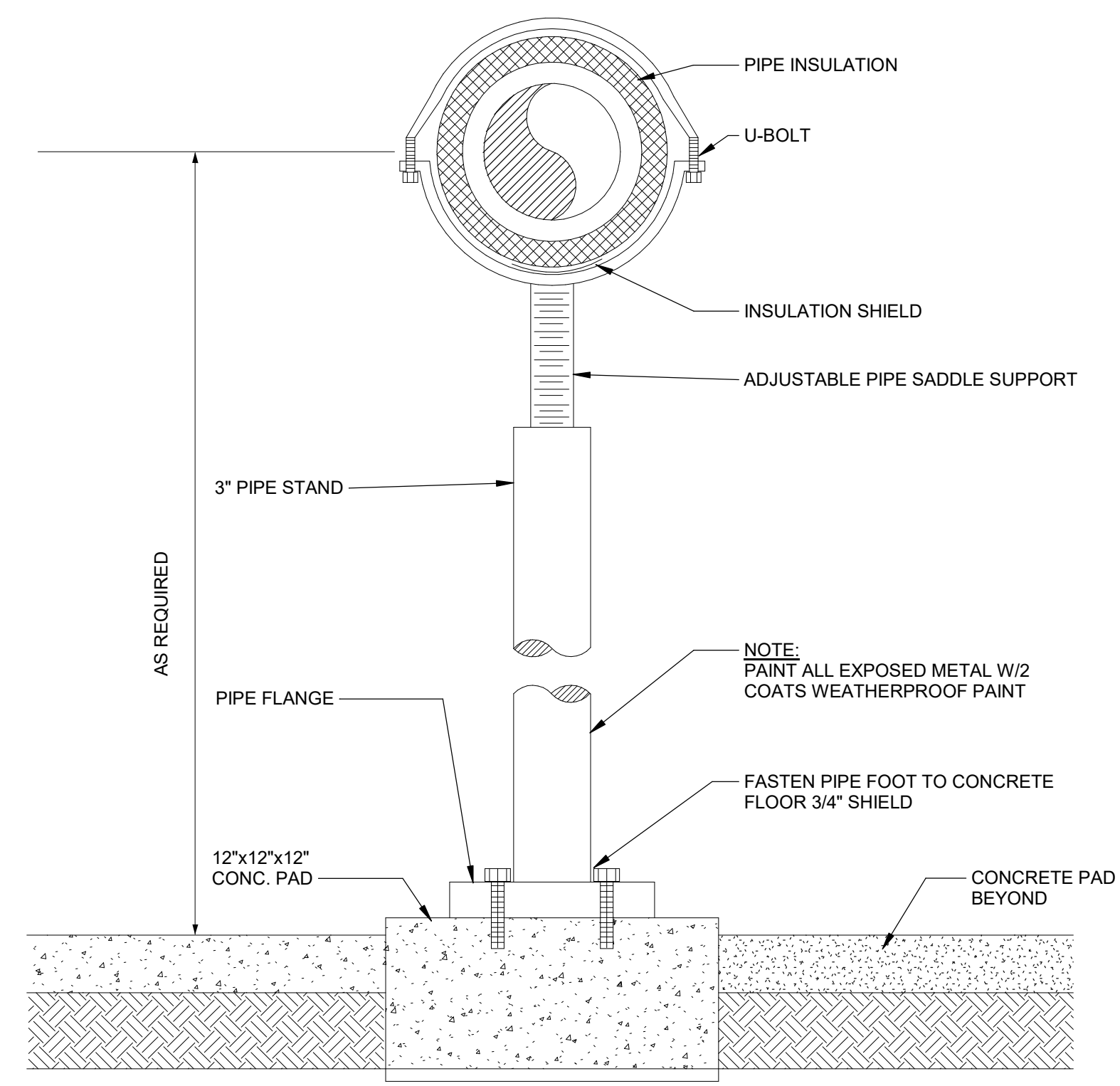


3 PIPE HANGER ATTACHMENT DETAIL NOT TO SCALE

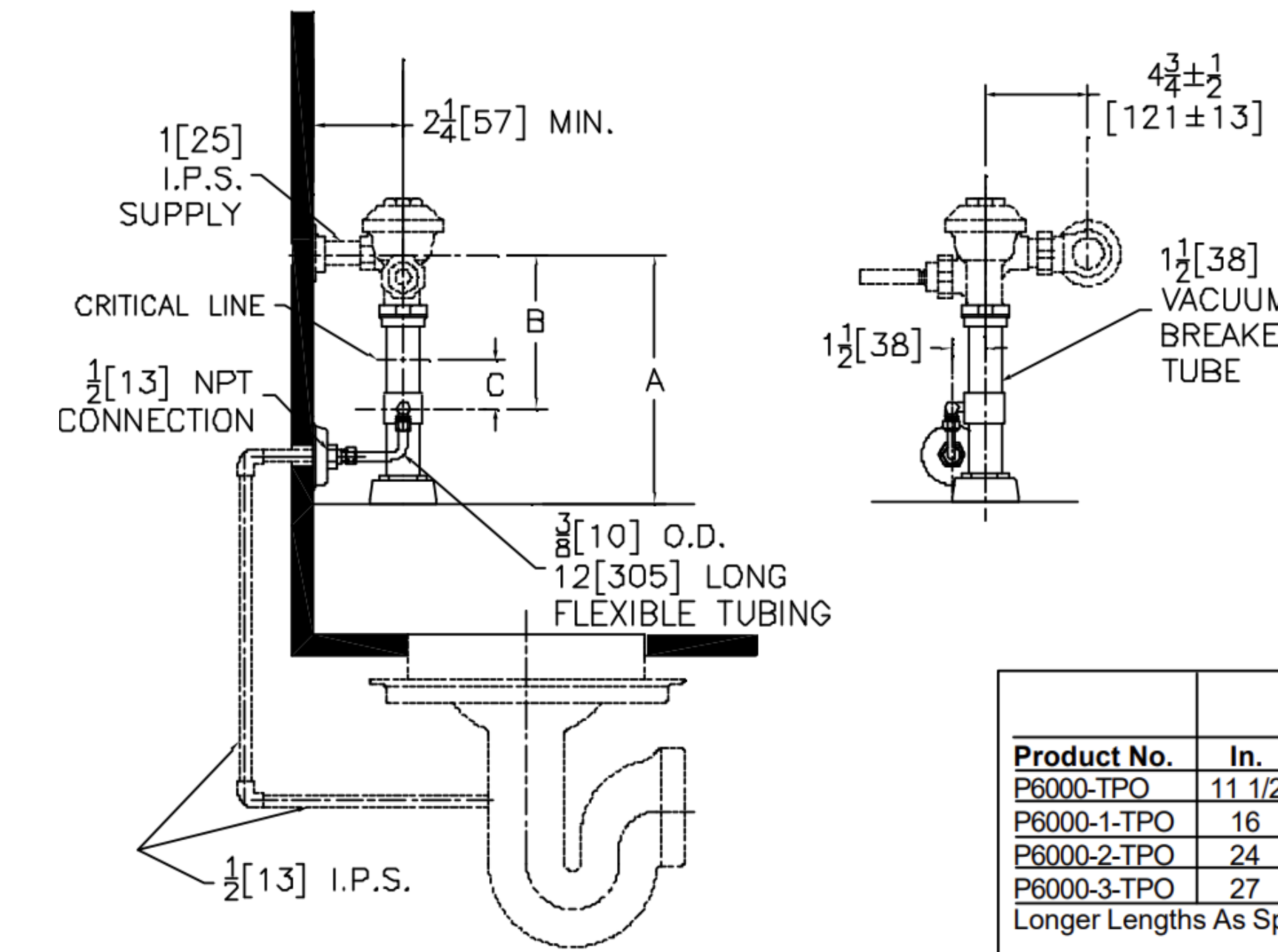
HANGER ROD SCHEDULE	
PIPE SIZE	ROD SIZE
UP TO 2"	3/8" DIA.
2 1/2" THRU 3"	1/2" DIA.
4" THRU 5"	5/8" DIA.
6" THRU 12"	7/8" DIA.



4 PIPE RISER SUPPORT DETAIL NOT TO SCALE



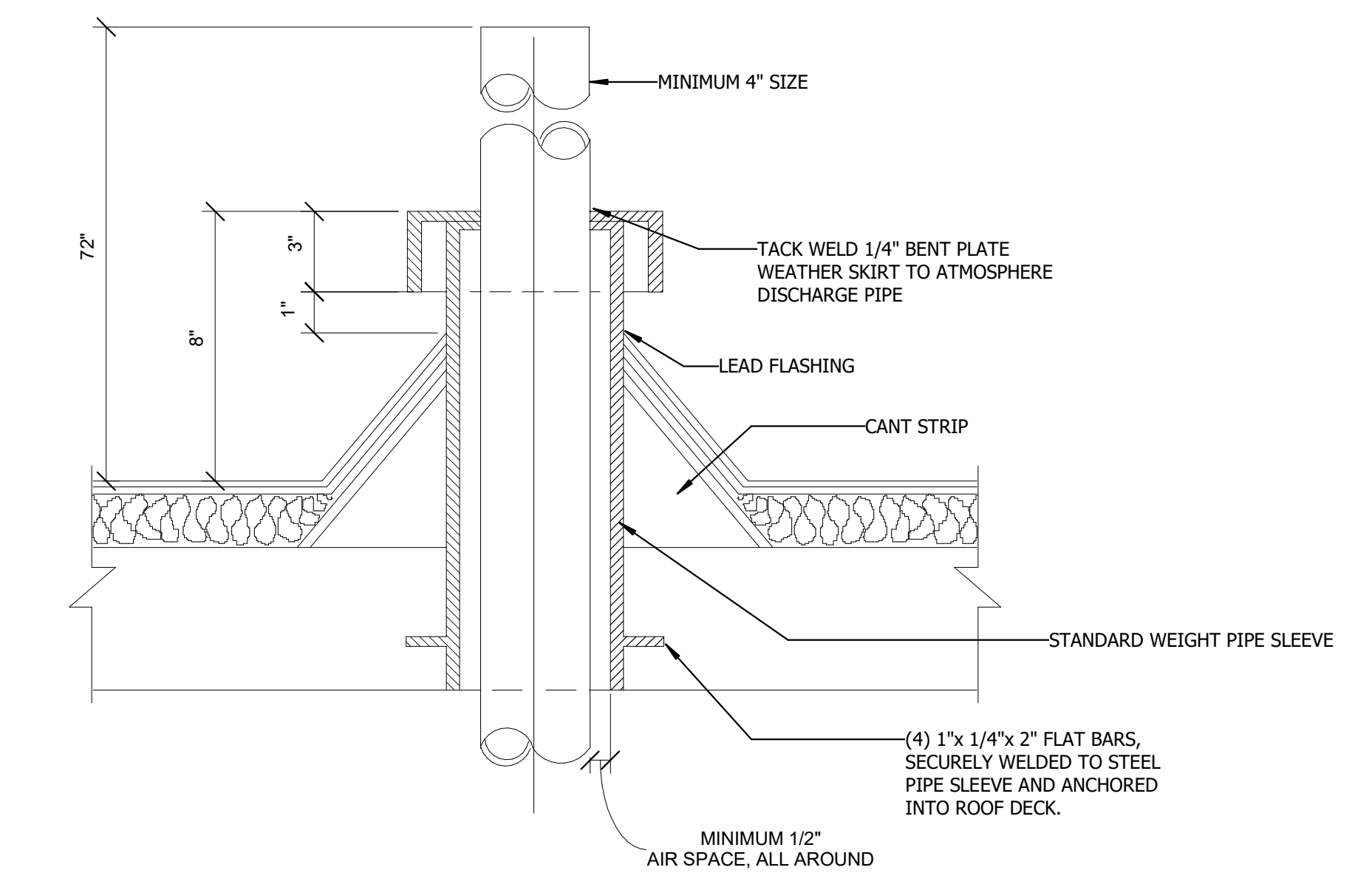
5 PIPE SUPPORT STAND DETAIL NOT TO SCALE



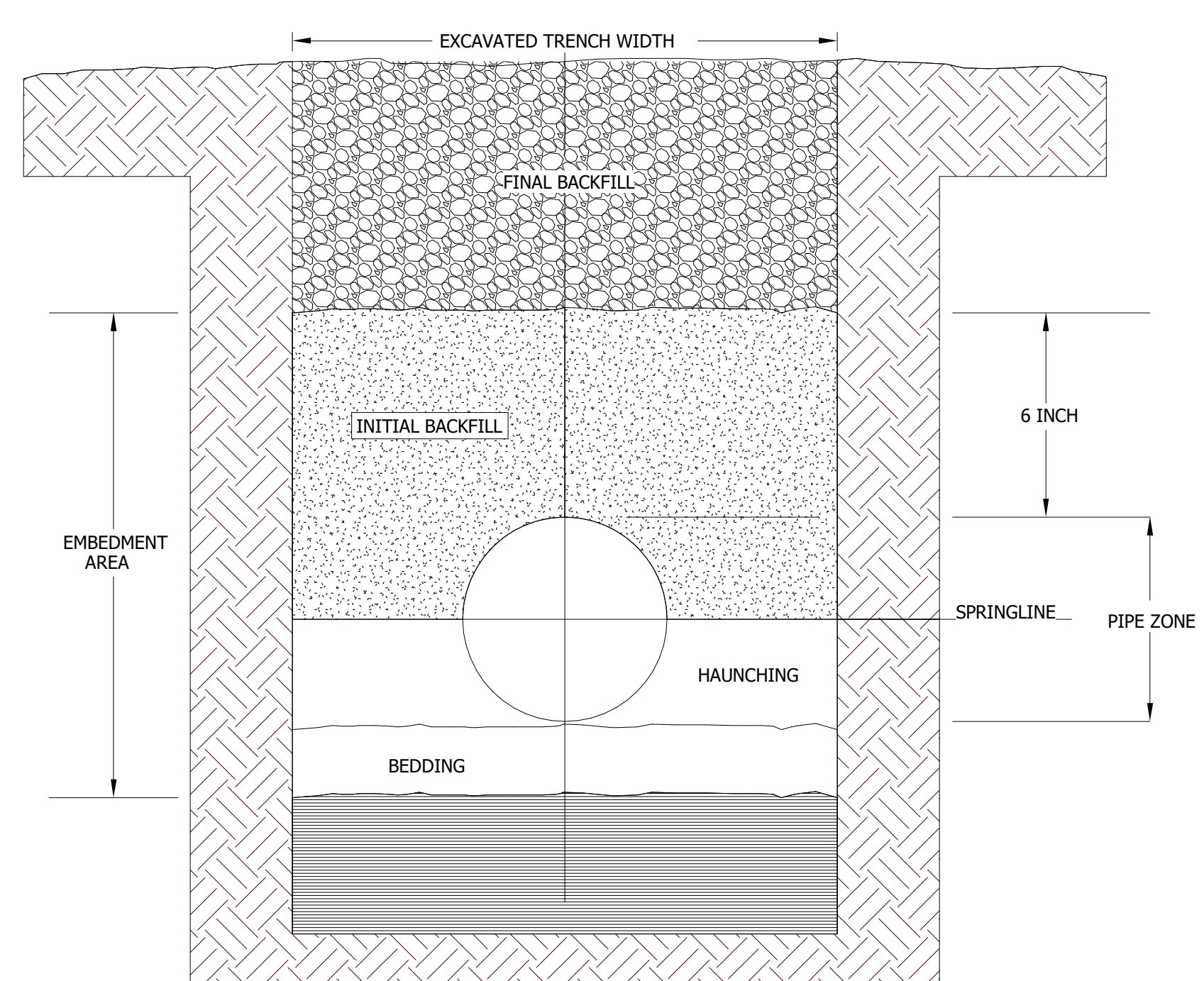
6 TRAP PRIMER DETAIL NOT TO SCALE

Product No.	A		B		C	
	IN.	MM.	IN.	MM.	IN.	MM.
P6000-TPO	11 1/2	292	7 1/8	181	2 3/8	60
P6000-1-TPO	16	406				
P6000-2-TPO	24	610	11 3/8	289	6 3/8	162
P6000-3-TPO	27	686				

Longer Lengths As Specified



7 VENT PIPE THROUGH ROOF DETAIL NOT TO SCALE



8 UNDERGROUND PVC DRAINAGE PIPING INSTALLATION DETAIL NOT TO SCALE

UNDERGROUND INSTALLATION OF PLASTIC PIPE

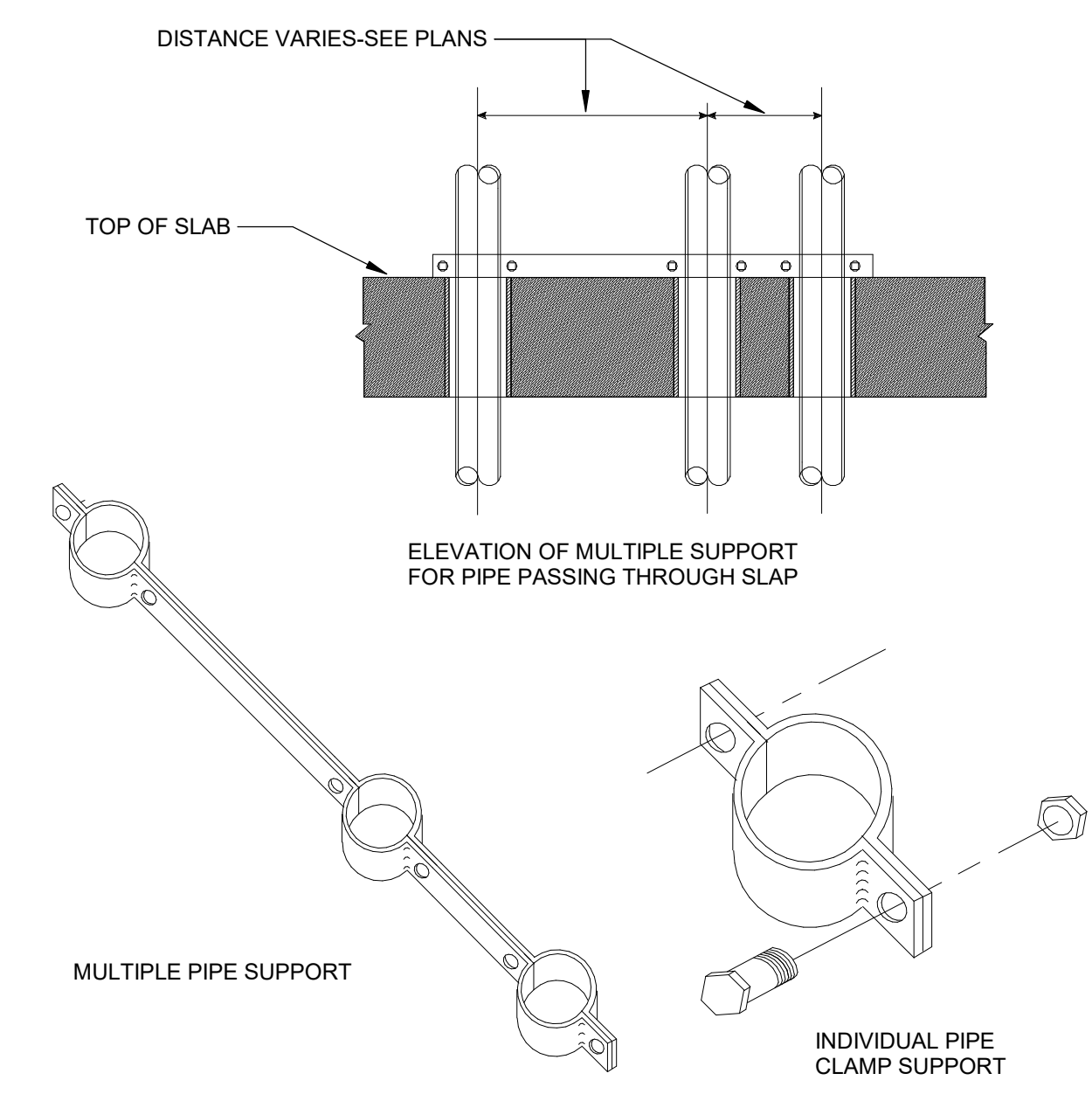
PLASTIC PIPE SHOULD ALWAYS BE BURIED IN STRICT ACCORDANCE WITH THE ASTM STANDARD RELEVANT TO THE TYPE OF PLASTIC PIPING SYSTEM BEING INSTALLED. THOSE STANDARDS ARE:

- ASTM D2321 STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW APPLICATIONS.
- ASTM D2774 STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PRESSURE PIPING.

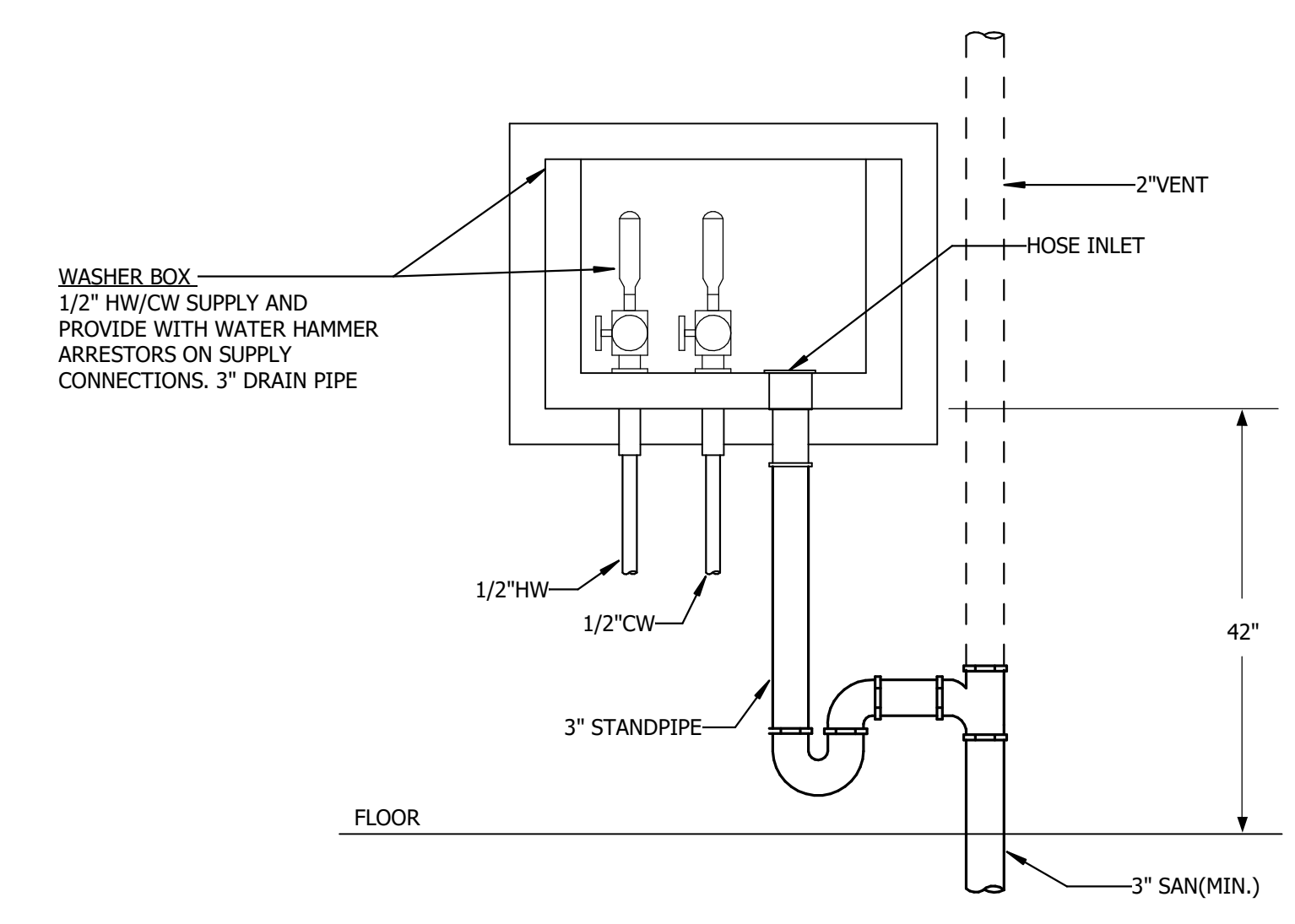
NOTE: IN ADDITION TO THESE STANDARDS, PIPE SHOULD ALWAYS BE INSTALLED IN ACCORDANCE WITH ALL LOCAL CODE REQUIREMENTS.

RECOMMENDATIONS FOR UNDERGROUND INSTALLATION OF PLASTIC DRAINAGE PIPE:

- THE MINIMUM WIDTH OF THE TRENCH SHOULD BE THE PIPE OD (OUTSIDE DIAMETER) PLUS 16 INCHES OR THE PIPE OUTSIDE DIAMETER TIMES 1.25 PLUS 12 INCHES. THIS WILL ALLOW ADEQUATE ROOM FOR JOINING THE PIPE, SNAKING THE PIPE IN THE TRENCH TO ALLOW FOR EXPANSION AND CONTRACTION WHERE APPROPRIATE AND SPACE FOR BACKFILLING AND COMPACTION OF BACKFILL. THE SPACE BETWEEN THE PIPE AND TRENCH WALL MUST BE WIDER THAN THE COMPACTION EQUIPMENT USED TO COMPACT THE BACKFILL.
- PROVIDE A MINIMUM OF 4 INCHES OF FIRM, STABLE AND UNIFORM BEDDING MATERIAL IN THE TRENCH BOTTOM. IF ROCK OR UNYIELDING MATERIAL IS ENCOUNTERED, A MINIMUM OF 6 INCHES OF BEDDING SHALL BE USED. BLOCKING SHOULD NOT BE USED TO CHANGE PIPE GRADE OR TO INTERMITTENTLY SUPPORT PIPE OVER LOW SECTIONS IN THE TRENCH.
- THE PIPE SHOULD BE SURROUNDED WITH AN AGGREGATE MATERIAL WHICH CAN BE EASILY WORKED AROUND THE SIDES OF THE PIPE. BACKFILLING SHOULD BE PERFORMED IN LAYERS OF 6 INCHES WITH EACH LAYER BEING SUFFICIENTLY COMPACTED TO 85% TO 95% COMPACTION.
- A MECHANICAL TAMPER IS RECOMMENDED FOR COMPACTING SAND AND GRAVEL. THESE MATERIALS CONTAIN FINE-GRAINS, SUCH AS SILT AND CLAY. IF A TAMPER IS NOT AVAILABLE, COMPACTING SHOULD BE DONE BY HAND.
- THE TRENCH SHOULD BE COMPLETELY FILLED. THE BACKFILL SHOULD BE PLACED AND SPREAD IN UNIFORM LAYERS TO PREVENT ANY UNFILLED SPACES OR VOIDS. LARGE ROCKS, STONES, FROZEN CLODS, OR OTHER LARGE DEBRIS SHOULD BE REMOVED. STONE BACKFILL SHALL PASS THROUGH AN 1-1/2\"/>

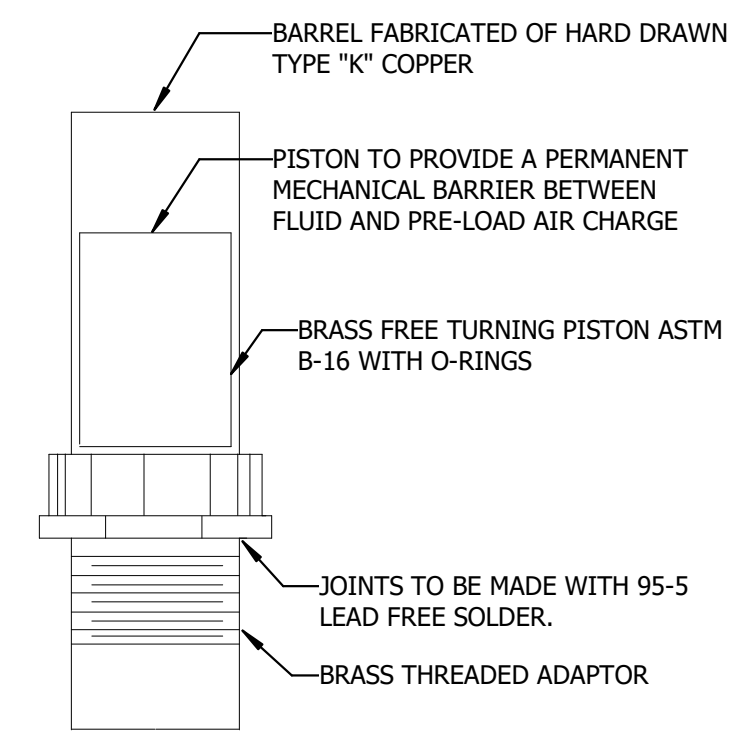


9 VERTICAL PIPE SUPPORT DETAIL NOT TO SCALE



10 WASHER BOX DETAIL NOT TO SCALE

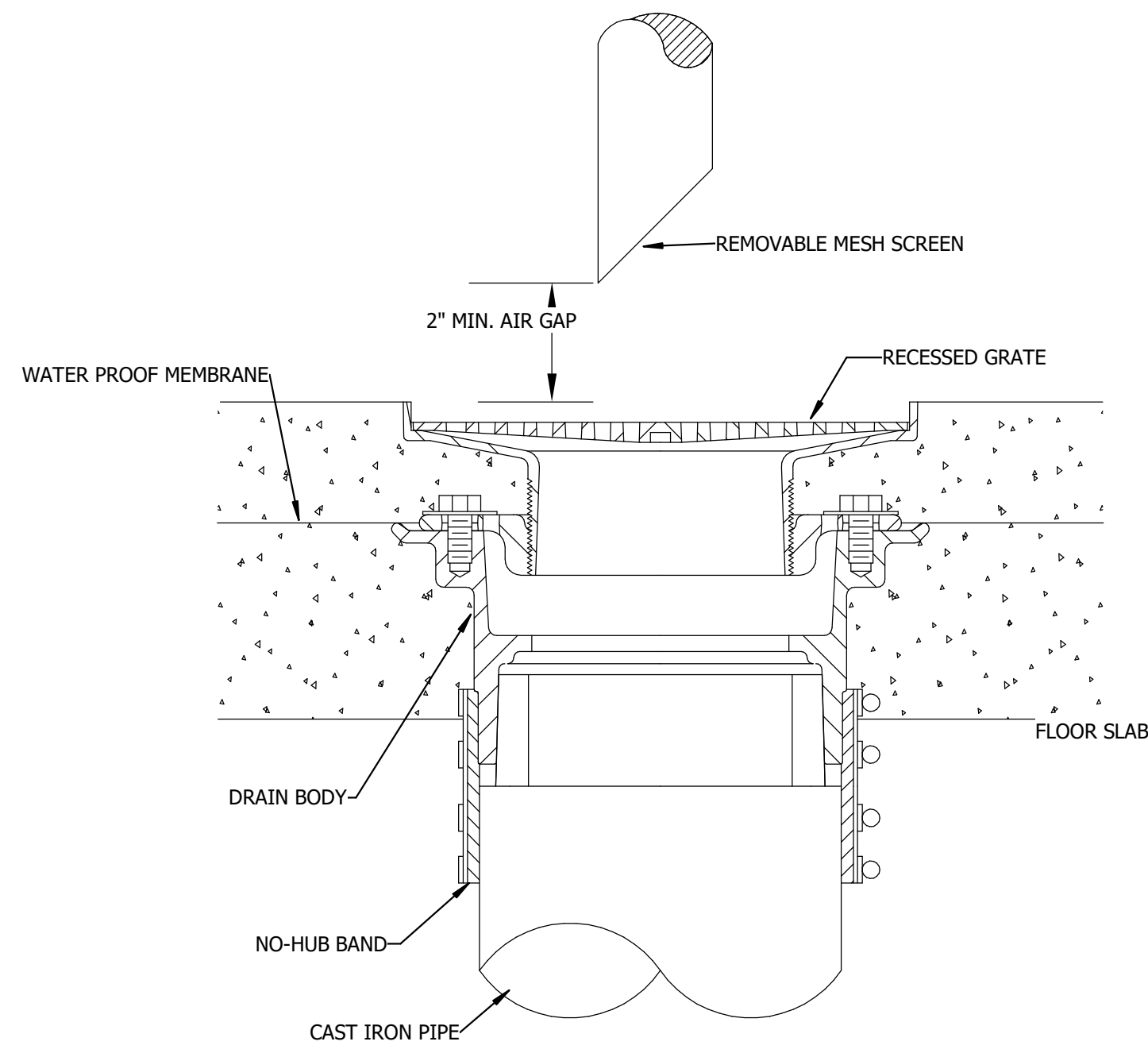
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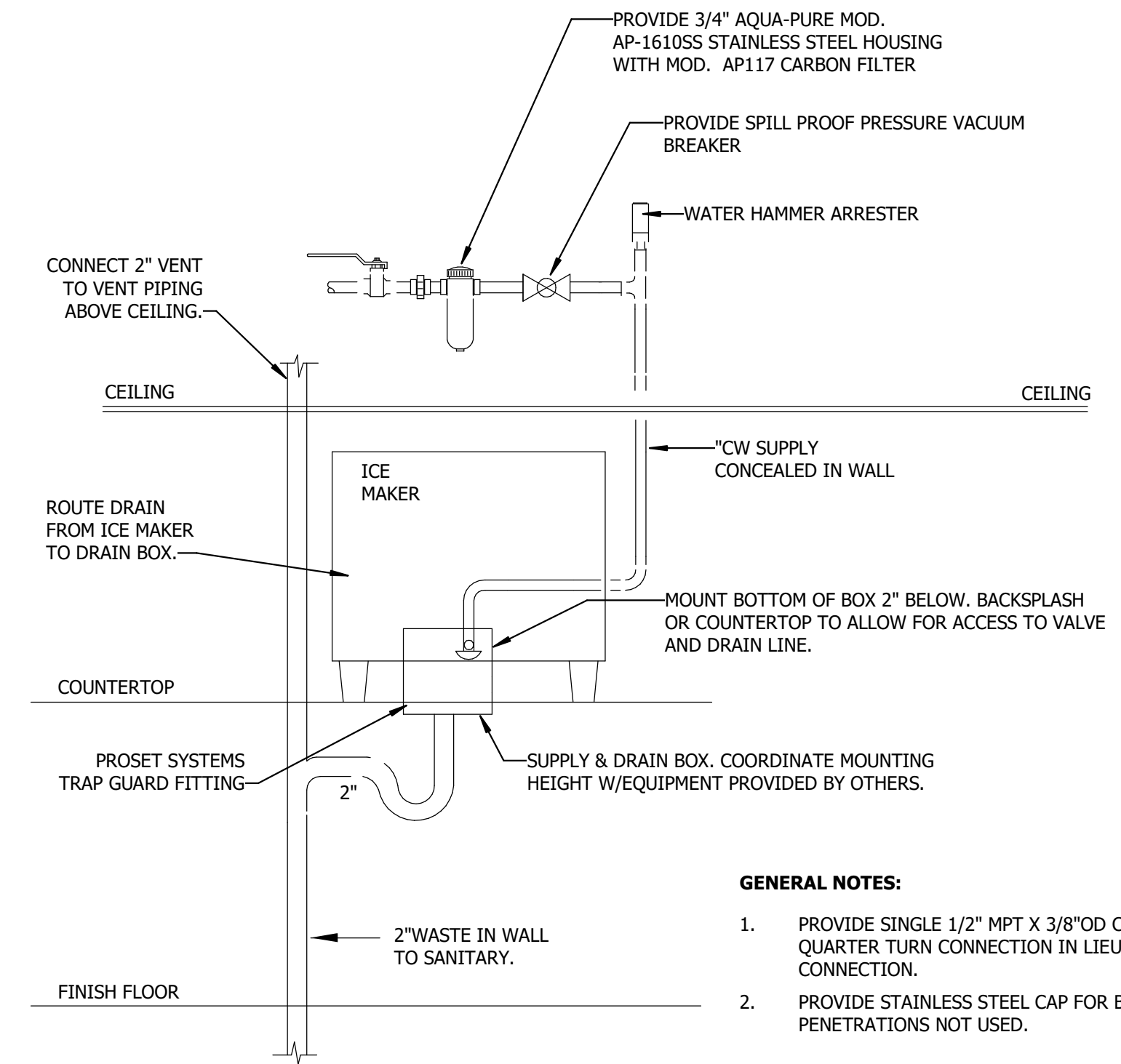
PIPE SIZE	P.D.I. SYMBOL	FIXTURE UNIT RATINGS	A DIM.	B DIM.
1/2"	A	1 - 11	5"	1/2"
3/4"	B	12 - 32	5"	3/4"
1"	C	33 - 60	7"	1"
1-1/4"	D	61 - 113	7"	1-1/4"
1-1/2"	E	114 - 154	9"	1-1/2"
2"	F	155 - 330	9"	2"

NOTE: SEE WATER RISER DIAGRAMS FOR LOCATION OF SHOCK ARRESTERS.

1 WATER HAMMER ARRESTOR DETAIL
NOT TO SCALE



2 INDIRECT WASTE DRAIN DETAIL
NOT TO SCALE

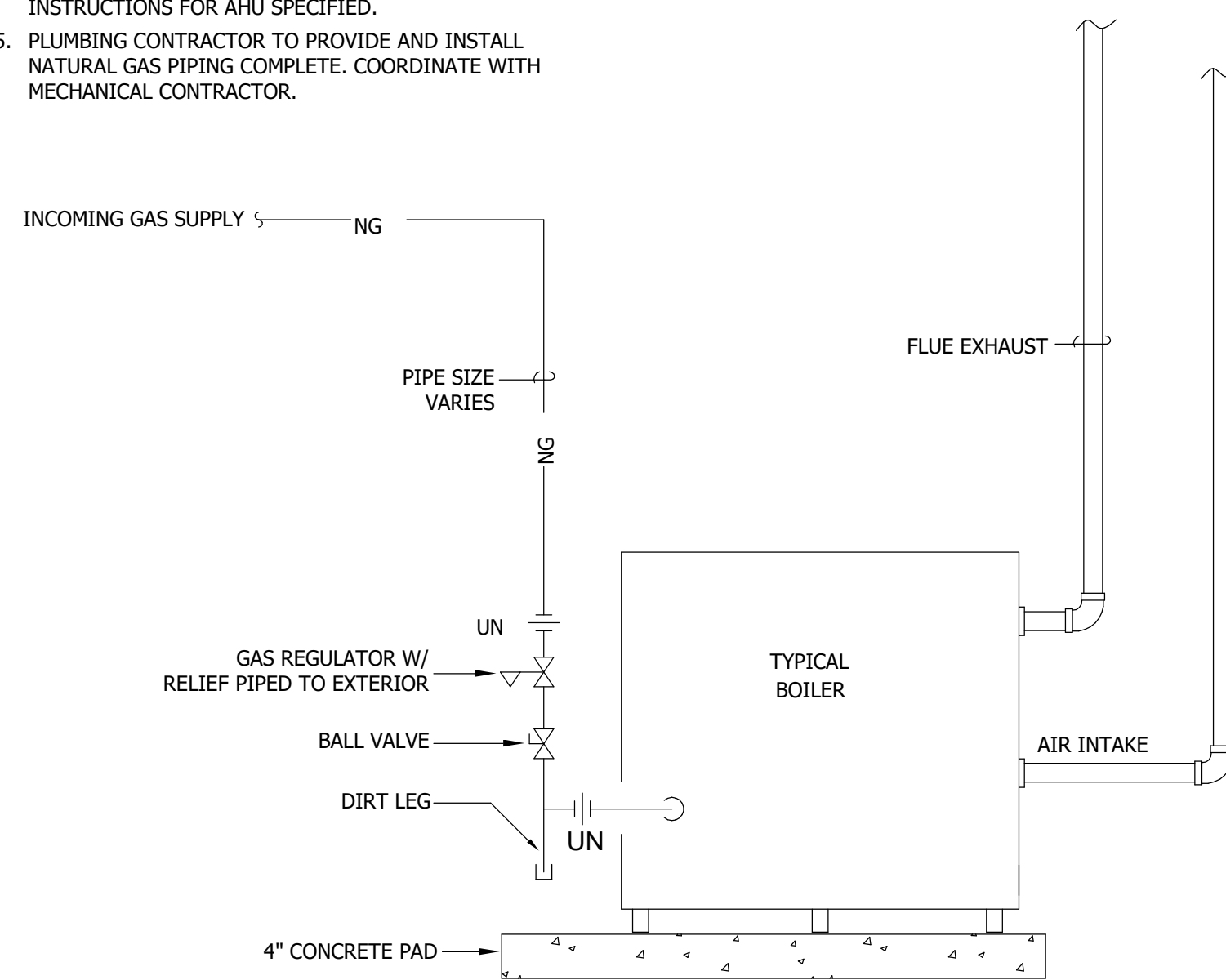


- GENERAL NOTES:**
1. PROVIDE SINGLE 1/2" MPT X 3/8" OD COMPRESSION QUARTER TURN CONNECTION IN LIEU OF HOSE CONNECTION.
 2. PROVIDE STAINLESS STEEL CAP FOR BOX PENETRATIONS NOT USED.

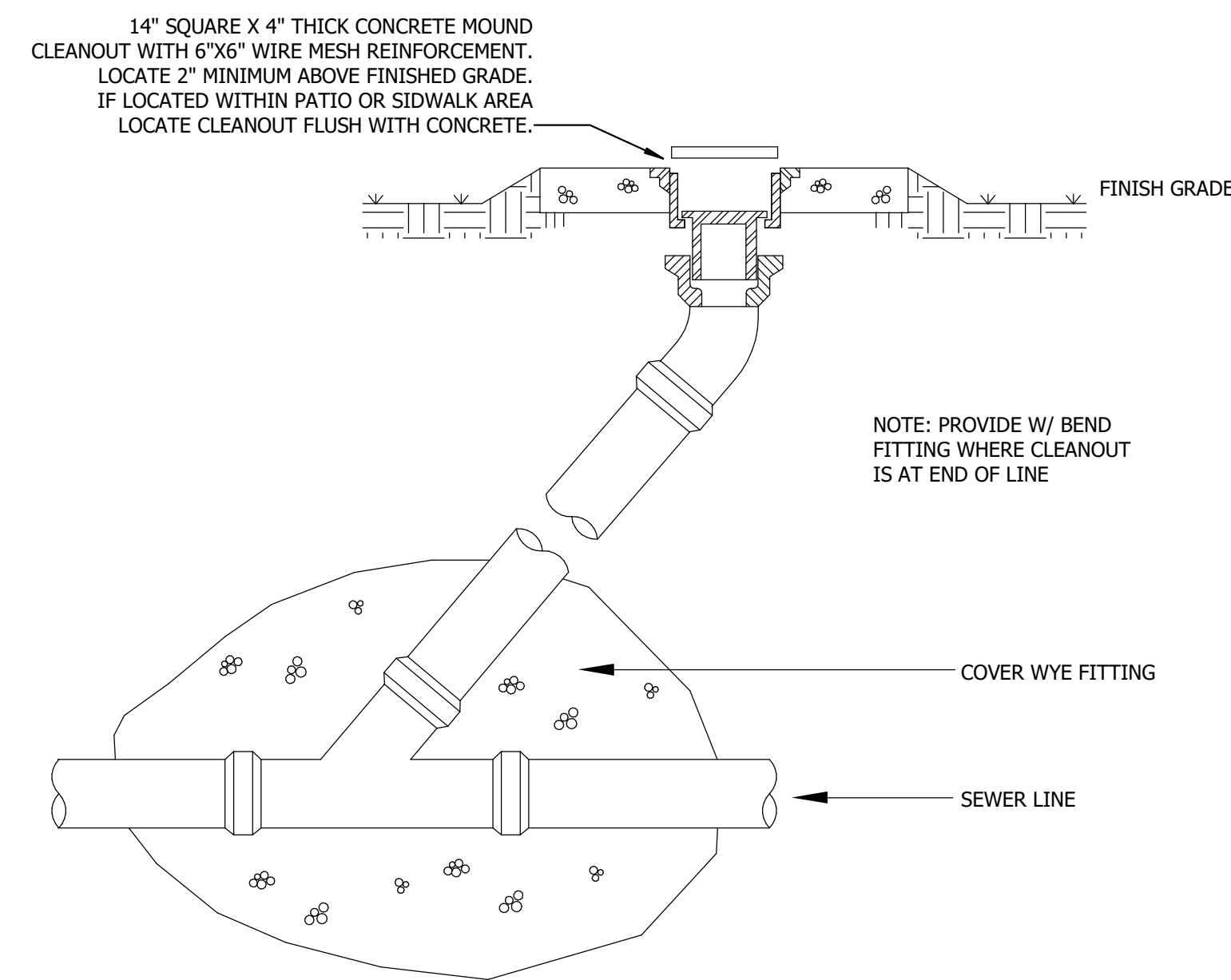
3 COUNTERTOP ICE MACHINE DETAIL
NOT TO SCALE

GENERAL NOTES

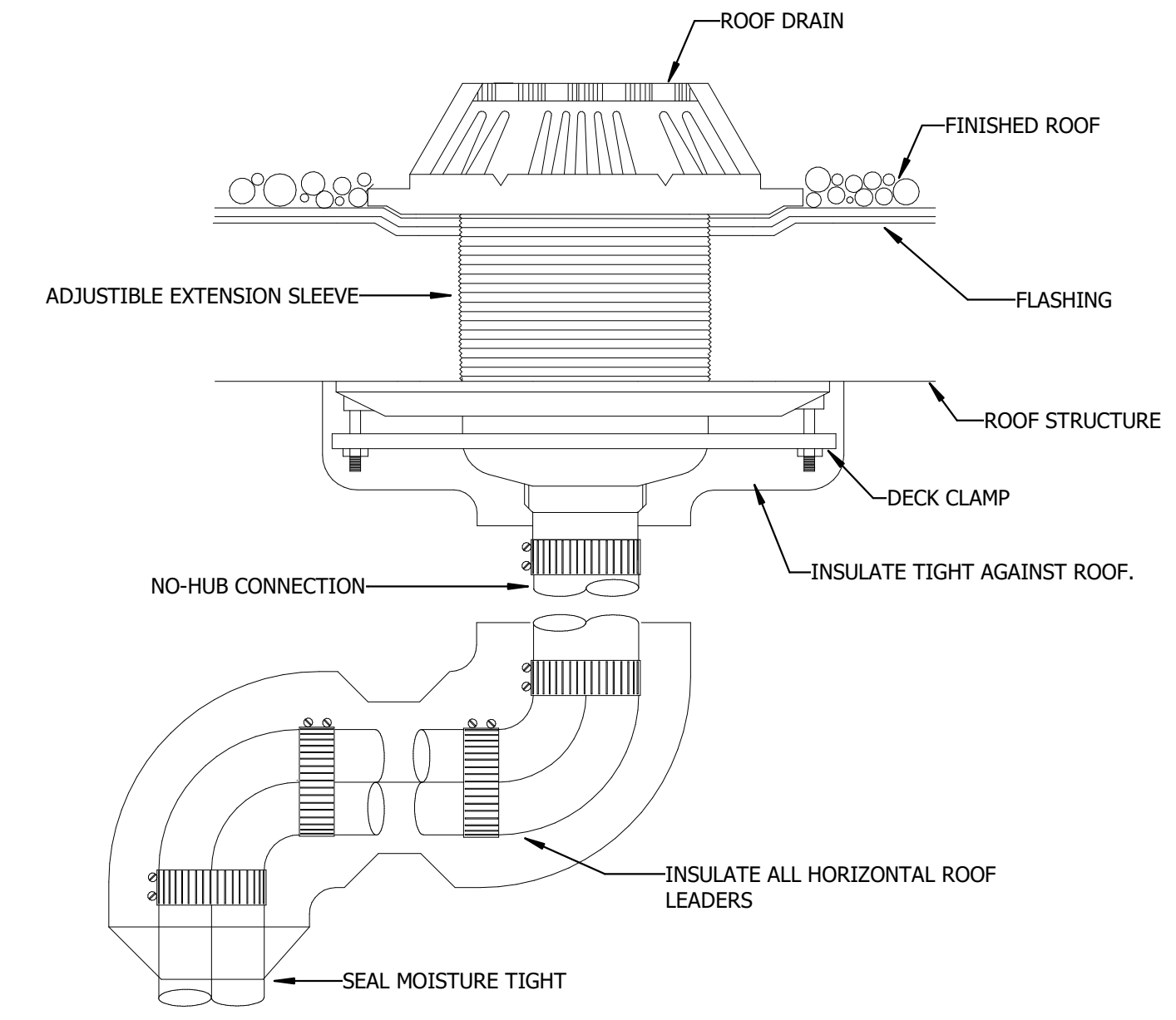
1. INTAKE & EXHAUST PIPING BY MECH. CONTR.
2. SEAL WALL PENETRATION WITH APPROVED UL SYSTEM.
3. MAINTAIN 30"-0" FROM ALL FRESH AIR INTAKES.
4. MECH. CONTR. TO INSTALL INTAKE & EXHAUST PIPING PER SIZE AND ROUTING REQUIREMENTS FOR LONGER RUNS OF PIPING. SEE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR AHU SPECIFIED.
5. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL NATURAL GAS PIPING COMPLETE. COORDINATE WITH MECHANICAL CONTRACTOR.



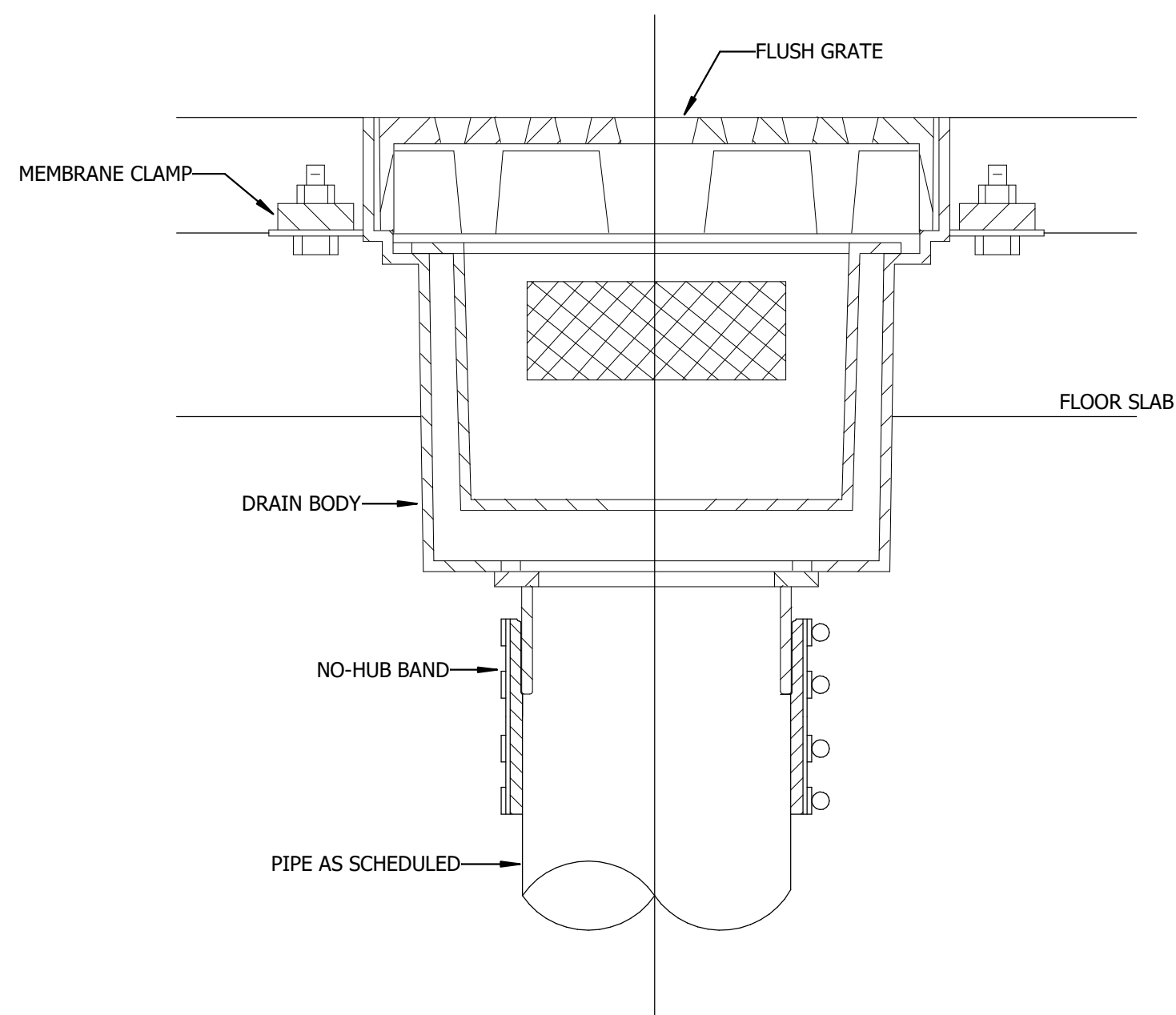
4 GAS CONNECTION - BOILER DETAIL
NOT TO SCALE



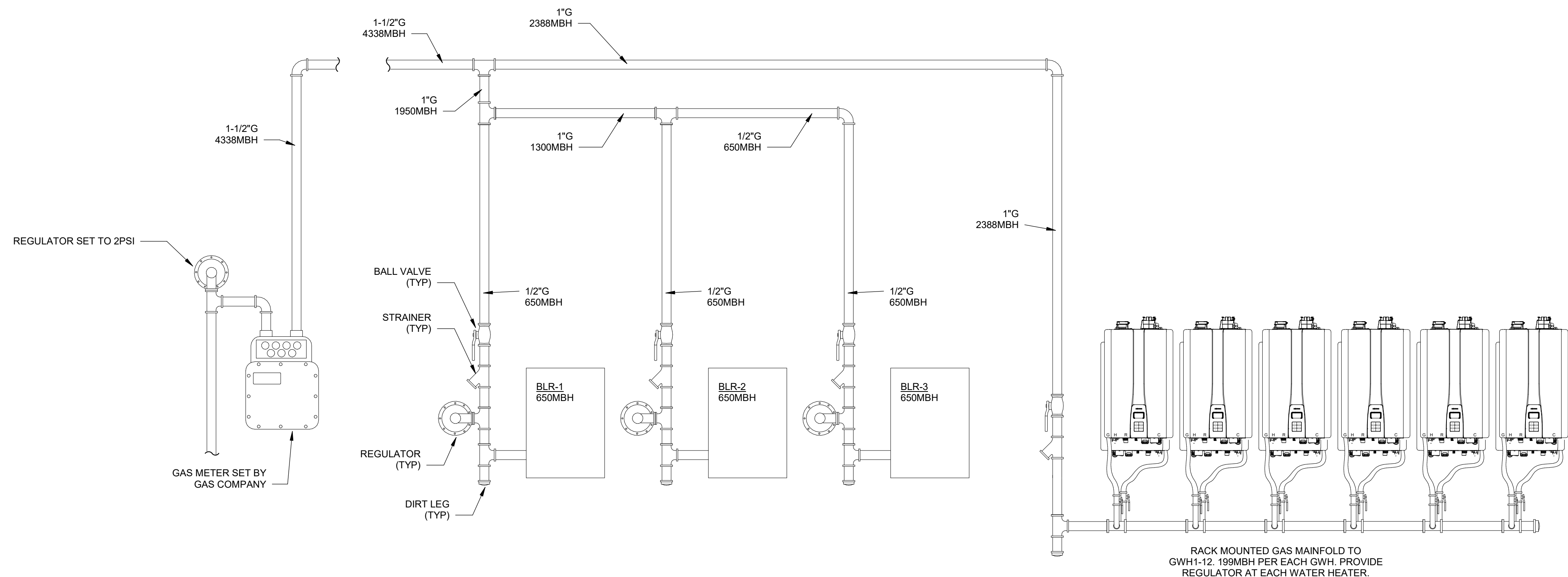
5 GRADE CLEANOUT DETAIL
NOT TO SCALE



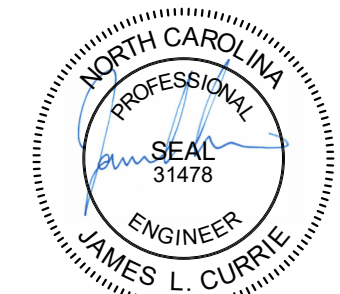
6 ROOF DRAIN DETAIL
NOT TO SCALE



7 FLOOR SINK DETAIL
NOT TO SCALE



8 GAS PIPING DIAGRAM
NOT TO SCALE



RUNCW25

SCO # 24-29053-02D

ISSUE FOR
COMPLETE PACKAGE -
CONSTRUCTION
DOCUMENTS

ISSUE DATE
01.15.2026

REVISIONS

NO.	REASON	DATE

PROJECT TEAM
PRINCIPAL IN CHARGE
JAMES L. CURRIE, PE
PROJECT MANAGER
DAN KNOX, PE
DESIGN TEAM
REBECCA CLEWETT

UNIVERSITY OF NORTH
CAROLINA AT WILMINGTON
HOUSING VILLAGE PHASE 3

UNC WILMINGTON, NC

PROJECT NO.
514.23018.00

SHEET TITLE
PLUMBING DETAILS

SHEET NUMBER
P903