



PLUMBING LEGEND		
SYMBOL	ABBREVIATION	DESCRIPTION
---	CW	COLD WATER PIPING
---	HW	HOT WATER PIPING
---	HWR	HOT WATER RECIRCULATION PIPING
W	W	WASTE PIPING
V	V	VENT PIPING
---		PIPE CAPPED
---		PIPE TURNED UP
---		PIPE TURNED DOWN
---		BALL VALVE
---	OR	BALANCING VALVE
---		CHECK VALVE
---	P.R.V.	PRESSURE REDUCING VALVE
---		UNION IN PIPE
---		POINT OF CONNECTION
---		POINT OF DISCONNECTION
---	TP	TRAP PRIMER PIPING (BELOW FLOOR)
WC-1, L-1, etc.		FIXTURE IDENTIFICATION
RPBP		REDUCED PRESSURE BACKFLOW PREVENTER
C.O.		FLOOR CLEANOUTS
E.C.O.		EXTERIOR CLEANOUT
W.C.O.		WALL CLEANOUT

PLUMBING ABBREVIATIONS	
SYMBOL	DESCRIPTION
F.D.	FLOOR DRAIN
F.S.	FLOOR SINK
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
B.F.F.	BELOW FINISHED FLOOR
VTR	VENT THROUGH ROOF
WC-1, L-2, ETC.	FIXTURE/EQUIPMENT IDENTIFICATION
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
I.E.	INVERT ELEVATION
AP	ACCESS PANEL
W.C.	WATER COLUMN

PLUMBING MATERIALS SCHEDULE	
SYSTEM	PIPING MATERIAL
DOMESTIC WATER (ABOVE GROUND)	ASTM B88 TYPE 'L' HARD COPPER
DOMESTIC WATER (UNDERGROUND BELOW SLAB)	ASTM B88 TYPE 'K' SOFT COPPER. NO JOINTS BELOW SLAB ON GRADE.
SANITARY DRAINAGE AND WASTE (UNDERGROUND)	SOLID-WALL SCH 40 PVC PIPE DWV; ASTM D 2665
VENT (ABOVE GROUND)	NO-HUB CAST IRON ASTM A 888 OR CISPI 301 (BOTH WITH HEAVY DUTY COUPLINGS)
NATURAL GAS	SCHEDULE 40 BLACK IRON PIPE UP TO 4" DIAMETER USE MALLEABLE IRON THREADED FITTINGS. GREATER THAN 4" DIAMETER SHALL BE WELDED.

PLUMBING GENERAL NOTES

RENOVATION NOTE: THESE DRAWINGS WERE DERIVED IN-PART FROM EXISTING AS-BUILT PLANS AND LIMITED FIELD OBSERVATIONS AND MAY NOT BE ALL INCLUSIVE OF THE CONDITIONS THAT EXIST. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS, PIPE ROUTING AND SCOPE OF WORK PRIOR TO SUBMITTAL OF BID. ANY DEVIATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER PRIOR TO THE SUBMITTAL OF BID. SUBMISSION OF BID INDICATES THAT ADEQUATE ALLOWANCES HAVE BEEN MADE.

THE DESIGNER, ENGINEER OF RECORD, AND THE ENGINEER'S EMPLOYING FIRM IS NOT RESPONSIBLE FOR THE ACCURACY OF EXISTING PIPING LOCATIONS AND/OR ROUTING AS SHOWN IN THESE DOCUMENTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXACT LOCATIONS AND ROUTING OF ALL EXISTING PIPING WITHIN THE AREA OF WORK AS DEFINED BY THESE PLANS AND BY THE ARCHITECTURAL PLANS. SUBMISSION OF BID INDICATES THAT ADEQUATE ALLOWANCES HAVE BEEN MADE.

CONTRACTOR SHALL COMPLY WITH ALL STATE, LOCAL AND FEDERAL LAWS AND ORDINANCES.

CONTRACTOR SHALL PROVIDE AND INSTALL PLUMBING FIXTURES AS SHOWN ON THE ARCHITECTURAL DRAWINGS AND THE PLUMBING DRAWINGS. THIS SHALL INCLUDE ALL NECESSARY CONNECTED PIPING, SUPPORTS, TRIM AND OTHER APPURTENANCES.

CONTRACTOR SHALL COORDINATE ALL PIPING INVERTS EXITING THE BUILDING FOOTPRINT WITH THE CIVIL CONTRACTOR TO ENSURE INVERT COORDINATION.

ALL FIXTURES, EQUIPMENT AND PIPING SHOWN ON THESE DRAWINGS SHALL COMPLY WITH AND BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES.

THESE DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH OTHER TRADES AND RE-ROUTING PIPING AS REQUIRED TO AVOID CONFLICTS WITH OTHER TRADES AT NO ADDITIONAL COST TO THE OWNER.

CONTRACTOR SHALL COORDINATE OWNER FURNISHED AND CONTRACTOR FURNISHED EQUIPMENT ROUGH-INS AND CONNECTIONS WITH EQUIPMENT DRAWINGS AND SUPPLIER. CONTRACTOR SHALL LOCATE DRAINS AND CONNECTIONS PER FINAL EQUIPMENT DRAWINGS. INSTALL EQUIPMENT AND MAKE FINAL CONNECTIONS FURNISHING: SHUTOFF VALVES, P-TRAPS, P.R.V.'S, BACKFLOW PREVENTION DEVICES, THERMOSTATIC MIXING VALVES, AND PIPING AS REQUIRED. WATER PRESSURE, BOTH HOT AND COLD, SHALL NOT EXCEED PRESSURES AS RECOMMENDED BY EQUIPMENT MANUFACTURER. PROVIDE PRESSURE REDUCING VALVE AT EACH CONNECTION AS REQUIRED. HOT WATER TEMPERATURE SHALL NOT EXCEED HOT WATER TEMPERATURE AS RECOMMENDED BY EQUIPMENT MANUFACTURER. PROVIDE THERMOSTATIC MIXING VALVE AT EACH CONNECTION AS REQUIRED. REFER TO EQUIPMENT VENDOR DRAWINGS FOR EXACT CONNECTION REQUIREMENTS AND REQUIRED MINIMUM AND MAXIMUM WATER PRESSURES AND WATER TEMPERATURE. PROVIDE WATER HAMMER ARRESTORS AT ALL SOLENOID VALVES.

CONTRACTOR SHALL COORDINATE WITH EQUIPMENT VENDOR TO ENSURE THAT EQUIPMENT VENDOR PROVIDES AND INSTALLS BACKFLOW PREVENTION DEVICES CONFORMING TO ASSE 1022 ON ALL COFFEE MAKERS, ICE MACHINES, AND NON-CARBONATED BEVERAGE DISPENSERS OR THAT A BACKFLOW PREVENTION DEVICE IS INTEGRAL TO THE EQUIPMENT IF NOT PROVIDED BY VENDOR OR IF NOT INTEGRAL TO PIECE OF EQUIPMENT, THE CONTRACTOR SHALL PROVIDE.

CONTRACTOR SHALL COORDINATE ALL FIXTURE AND DEVICE MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS. SEE ARCHITECTURAL DETAILS AND ELEVATIONS.

CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL ELEVATIONS TO ENSURE ALL WALL HUNG LAVATORIES ARE INSTALLED AT THE PROPER HEIGHTS TO MEET ADA REQUIREMENTS. ALL WALL HUNG FIXTURES TO BE PROVIDED WITH IN-WALL CARRIERS.

CONTRACTOR SHALL FURNISH AND INSTALL WATER HAMMER ARRESTOR ON ALL BRANCH PIPING SERVING FLUSH VALVE FIXTURES AND QUICK CLOSING VALVES AS REQUIRED BY CODE. MANUFACTURER'S RECOMMENDATIONS AND PD101. WATER HAMMER ARRESTOR SHALL BE ACCESSIBLE.

WATER HAMMER ARRESTORS AND PRESSURE REDUCING VALVES SHALL BE PROVIDED ON ALL SUPPLY LINES TO ALL STERILIZATION EQUIPMENT. WATER HAMMER ARRESTOR SHALL BE LOCATED AS CLOSE TO THE EQUIPMENT AS POSSIBLE AND SHALL BE ACCESSIBLE. SET PRV FOR 40PSI MAX.

ALL VENTS SHALL BE A MINIMUM OF 2'-0" AWAY FROM ALL FRESH AIR INTAKES ON A/C UNITS AND CLINICAL AIR COMPRESSORS, WINDOWS, AND DOORS.

ALL VENTS TERMINATING THROUGH THE ROOF SHALL BE A MINIMUM OF 3" IN DIAMETER. WHERE AN INCREASE IN SIZE IS REQUIRED, INCREASE SHALL BE MADE BELOW THE ROOF SLAB.

PROVIDE SHUT-OFF VALVES ON ALL HOT AND COLD WATER BRANCH LINES SERVING PLUMBING FIXTURES AND EQUIPMENT AT CONNECTION TO MAINS AND BRANCH SERVICING MAINS WHETHER SHOWN ON PLANS OR NOT.

CONTRACTOR SHALL PROVIDE ACCESS PANELS IN ALL HARD CEILINGS FOR ACCESS TO VALVES AND OTHER PLUMBING APPURTENANCES. CENTRALLY LOCATE VALVES SO AS TO BE ACCESSIBLE FROM ACCESS PANEL. ACCESS PANEL SIZE TO BE ADEQUATE FOR ACCESSING AND SERVICING VALVES AND OTHER PLUMBING APPURTENANCES. COORDINATE WITH ARCHITECTURAL.

HOT WATER LIMIT STOPS SHALL BE SET AT 110°F ON ALL SHOWERS. ALL SHOWER HEADS SHALL BE MOUNTED AT 78" A.F.F. UNLESS NOTED OTHERWISE ON ARCHITECTURAL ELEVATIONS. CONTRACTOR SHALL REFER TO ARCHITECTURAL ELEVATIONS FOR SHOWER HEAD MOUNTING HEIGHTS.

CONTRACTOR SHALL PROVIDE AND INSTALL DRAIN, DRAIN BODY, AND TAILPIECE FOR ALL PLUMBING FIXTURES INTEGRAL TO SOLID SURFACE COUNTERTOPS, DRAIN, DRAIN BODY, AND TAILPIECE SHALL BE OF SIZE REQUIRED FOR FIXTURE BEING SERVED.

CONTRACTOR SHALL PROVIDE CLEANOUTS AT THE UPSTREAM END OF ALL HORIZONTAL DRAINAGE PIPING AND AT INTERVALS NOT TO EXCEED 50 FEET. WALL CLEANOUTS SHALL BE USED WHERE POSSIBLE.

PROVIDE STOPS FOR ALL FIXTURES. FIXTURE STOPS SHALL BE CHROME PLATED BRASS, AB1953 COMPLIANT (LEAD FREE) HEAVY PATTERN SUPPLY STOPS WITH FULL TURN BRASS STEM AND REMOVABLE LOOSE KEY "T" HANDLE. ALL HANDLES SHALL BE LEFT ON STOPS FOR FINAL INSPECTION AND THEN TURNED OVER TO OWNER'S REP. OR OWNER'S MAINTENANCE PERSONNEL AFTER FINAL INSPECTION. PLASTIC STEMS SHALL NOT BE ALLOWED. SUPPLY STOPS SHALL BE MCGUIRE LFHST082LK OR EQUAL AND SHALL BE CERTIFIED BY RECOGNIZED AUTHORITY AND BEAR MANUFACTURER AND TESTING MARK.

ALL FIXTURE SUPPLIES SHALL BE CHROME PLATED COPPER RISERS BY MCGUIRE OR EQUAL.

ALL EXPOSED "P" TRAPS AND SUPPLIES AT LAVATORIES AND SINKS SHALL BE INSULATED PER ADA REQUIREMENTS. INSULATION SHALL BE PRO-WRAP OR EQUAL.

FURNISH AND INSTALL POINT OF USE THERMOSTATIC MIXING VALVES ON ALL LAVATORIES AND SINKS. THERMOSTATIC MIXING VALVE SHALL CONFORM TO STANDARD ASSE 1070. REFER TO PLUMBING FIXTURE SCHEDULE FOR SPECIFIC INDIVIDUAL FIXTURE REQUIREMENTS.

FURNISH AND INSTALL LINE SIZE CHECK VALVES ON HOT AND COLD WATER SERVICE LINES SERVING SERVICE BASINS (SB-1 OR SB-2) WHETHER SHOWN ON PLANS OR NOT.

CONTRACTOR SHALL PROTECT PIPING ROUTED THROUGH METAL STUDS USING MANUFACTURED PRODUCTS TO PROTECT PIPING FROM DISSIMILAR METALS AND FROM NOISE. METAL STUD INSULATORS SHALL BE SIOUX CHIEF SERIES 558 OR EQUAL. THE USE OF TAPE SHALL BE PROHIBITED.

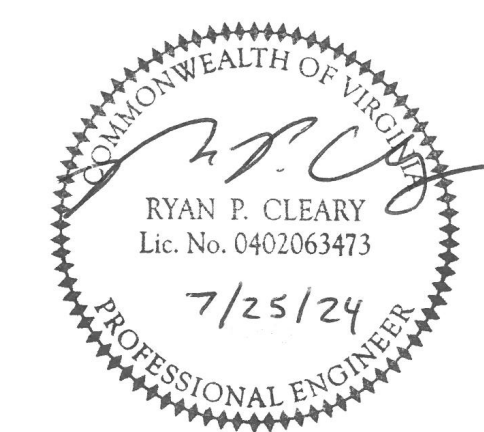
PLUMBING FIXTURE SCHEDULE						
MARK	DESCRIPTION	MAKE AND MODEL	MINIMUM BRANCH SIZES IN INCHES			
			WASTE	VENT	COLD WATER	HOT WATER
	WATER CLOSET (PUBLIC-BARRIER FREE-FLOOR MOUNTED-FLUSH VALVE-1.28 GPF)					
WC-1	FLOOR MOUNTED, BOTTOM OUTLET, VITREOUS CHINA, ELONGATED BOWL, TOP SPRUD, FLUSH VALVE WATER CLOSET - ADA HEIGHT MANUALLY ACTIVATED, 1.28 GPF FLUSH VALVE WITH INTEGRAL VACUUM BREAKER, VANDAL RESISTANT STOP CAP, AND BUMPER ON ANGLE STOP WHITE, HEAVY DUTY, ELONGATED, OPEN FRONT SEAT LESS COVER WITH SELF-SUSTAINING STAINLESS STEEL CHECK HINGE	ZURN Z5665-BWL ZURN Z26000AVHET BEMIS B1055SSC000	3	2	1	-
L-2	LAVATORY (PUBLIC-BARRIER FREE - DROP IN OVAL-GOOSENECK WRIST BLADE-ASSE 1070)					
L-2	COUNTER MOUNTED DROP-IN OVAL VITREOUS CHINA SELF-RIMMING SINK, SINGLE-HOLE PUNCH CHROME PLATED BRASS GRID STRAINER WITH OFFSET TAILPIECE DECK MOUNTED, LAVATORY FAUCET WITH GOOSENECK WRISTBLADE, POLISHED CHROME FINISH, 0.5 GPM FLOW RESTRICTOR, VANDAL RESISTANT SEAMLESS P-TRAP WRAP INSULATION LEAD FREE BRASS 4-PORT, "H" PATTERN BODY, UNDER COUNTER THERMOSTATIC MIXING VALVE CONFORMING TO ASSE 1070 WITH INTEGRAL CHECK VALVES, INTEGRAL SCREENS AND A LOCKING ADJUSTMENT NUT.	ZURN Z5114 AMERICAN STANDARD A7500170002 MCGUIRE PW2000WC WATTS LFUSG-B-M2-SC	2	2	½	½
L-7	LAVATORY (PUBLIC-BARRIER FREE-WALL HUNG-GOOSENECK WRIST BLADE)					
L-7	WALL HUNG, VITREOUS CHINA LAVATORY, SINGLE-HOLE DRILLING, GRID STRAINER AND OFFSET TAIL PIECE DECK MOUNTED, CHROME PLATED, GOOSENECK WRISTBLADE FAUCET WITH VANDAL RESISTANT 0.5 GPM FLOW RESTRICTOR, AND TEMPERATURE MIXING VALVE SEAMLESS P-TRAP WRAP INSULATION FLOOR MOUNTED, CONCEALED IN WALL, ADJUSTABLE FIXTURE CARRIER WITH HORIZONTAL FITTINGS	ZURN Z5344 AMERICAN STANDARD A7500170002 MCGUIRE PW2000WC ZURN Z1Z31	2	2	½	½
SH-1	SHOWER (TILE SHOWER BY OTHERS)					
SH-1	ADA, TILE SHOWER PROVIDED BY OTHERS 1.5 GPM ORIGIN SHOWERHAND SHOWER, PRESSURE BALANCING MIXING VALVE, INLINE VACUUM BREAKER, FLEXIBLE METAL HOSE WITH NON-POSITIVE SHUT-OFF BUTTON ON HANDHELD SHOWER HEAD, 30" SLIDE BAR NOTE: FOR OTHER THAN TILE FLOORS, CONTRACTOR SHALL COORDINATE DRAIN STYLE WITH FLOORING OR WATERPROOFING MANUFACTURER AND PROVIDE AS REQUIRED.	SYMMONS SYM9605PLR15	2	2	½	½
SH-2	SHOWER (TILE SHOWER BY OTHERS)					
SH-2	TILE SHOWER PROVIDED BY OTHERS 1.5 GPM ORIGIN SHOWERHAND SHOWER, PRESSURE BALANCING MIXING VALVE, INLINE VACUUM BREAKER, FLEXIBLE METAL HOSE WITH NON-POSITIVE SHUT-OFF BUTTON ON HANDHELD SHOWER HEAD, 30" SLIDE BAR POLISHED BRONZE FLOOR DRAIN WITH STRAINER, SOLID CLAMP COLLAR WITH NO SEEPAGE SLOTS NOTE: FOR OTHER THAN TILE FLOORS, CONTRACTOR SHALL COORDINATE DRAIN STYLE WITH FLOORING OR WATERPROOFING MANUFACTURER AND PROVIDE AS REQUIRED.	SYMMONS SYM9605PLR15 ZURN Z2N4152NHSSVP	2	2	½	½
WB-2	WASHING MACHINE CONNECTION DRAIN BOX RECESSED SUPPLY AND DRAIN WALL BOX WITH INTEGRAL WATER HAMMER ARRESTORS ON SUPPLIES AND QUARTER TURN VALVES *MOUNTING UNLESS NOTED OTHERWISE - REFER TO EQUIP. MANUFACTURER'S CUT SHEETS FOR RECOMMENDED DRAIN HEIGHT WASHING MACHINES: 42" A.F.F. TO TOP OF BOX NEPTUNE UNITS: 18" A.F.F. TO BOTTOM OF BOX ULTRASONIC CLEANERS: 20" A.F.F. TO BOX DRAIN OPENING PROVIDE BRAIDED, STAINLESS STEEL SUPPLY HOSE.	GLY GRAY T200TPPVCHA	2	2	¾	¾
CD-1	CONDENSATE DRAIN BOX (WASTE OUTLET ONLY WITH AIR GAP FITTING)					
CD-1	18 GAGE, TYPE 304 STAINLESS STEEL RECESSED BOX WITH LOCKING DOOR AND WALL FLANGE, STAINLESS STEEL WASTE OUTLET FIXED AIR GAP FITTING - CONTRACTOR SHALL SPECIFY SIZE AT TIME OF ORDER	ACORN 8200-1 J.R. SMITH 3955S	2	2	-	-
FD-1	FLOOR DRAIN - GENERAL PURPOSE	ZURN ZN415-6B-P	AS SHOWN	AS SHOWN	½ (TP)	-
TD-1	TRENCH DRAIN (MEDIUM DUTY-PRE SLOPED-STAINLESS STEEL) 30"X3"X3"		AS SHOWN	AS SHOWN	-	-
TD-1	TRENCH DRAIN, MEDIUM DUTY, 3" WIDE PRE-SLOPED STAINLESS STEEL BODY WITH INTEGRAL METAL RAILS AND STAINLESS STEEL MEDIUM DUTY ADA GRATE **NOTE: CONTRACTOR TO SPECIFY LENGTH, SLOPE, AND CONNECTION TYPE AT TIME OF ORDER	QUICKDRAIN PLD30N	AS SHOWN	AS SHOWN	-	-
TD-2	TRENCH DRAIN (MEDIUM DUTY-PRE SLOPED-STAINLESS STEEL) 36"X3"X3"		AS SHOWN	AS SHOWN	-	-
TD-2	TRENCH DRAIN, MEDIUM DUTY, 3" WIDE PRE-SLOPED STAINLESS STEEL BODY WITH INTEGRAL METAL RAILS AND STAINLESS STEEL MEDIUM DUTY ADA GRATE **NOTE: CONTRACTOR TO SPECIFY LENGTH, SLOPE, AND CONNECTION TYPE AT TIME OF ORDER	QUICKDRAIN PLD36N	AS SHOWN	AS SHOWN	-	-

PLUMBING SHEET INDEX			
SHEET NUMBER	SHEET NAME	CURRENT REVISION	
P0.01	PLUMBING LEGENDS/SCHEDULES AND NOTES		
P2.00	PLUMBING UNDERGROUND - NEW CONSTRUCTION		
P2.01	PLUMBING PIPING - NEW CONSTRUCTION		

JJCA



24 Bed Addition for
Acadia - Mount Regis Center
Salem, Virginia



PROJECT
24054.00
DATE
7/25/2024

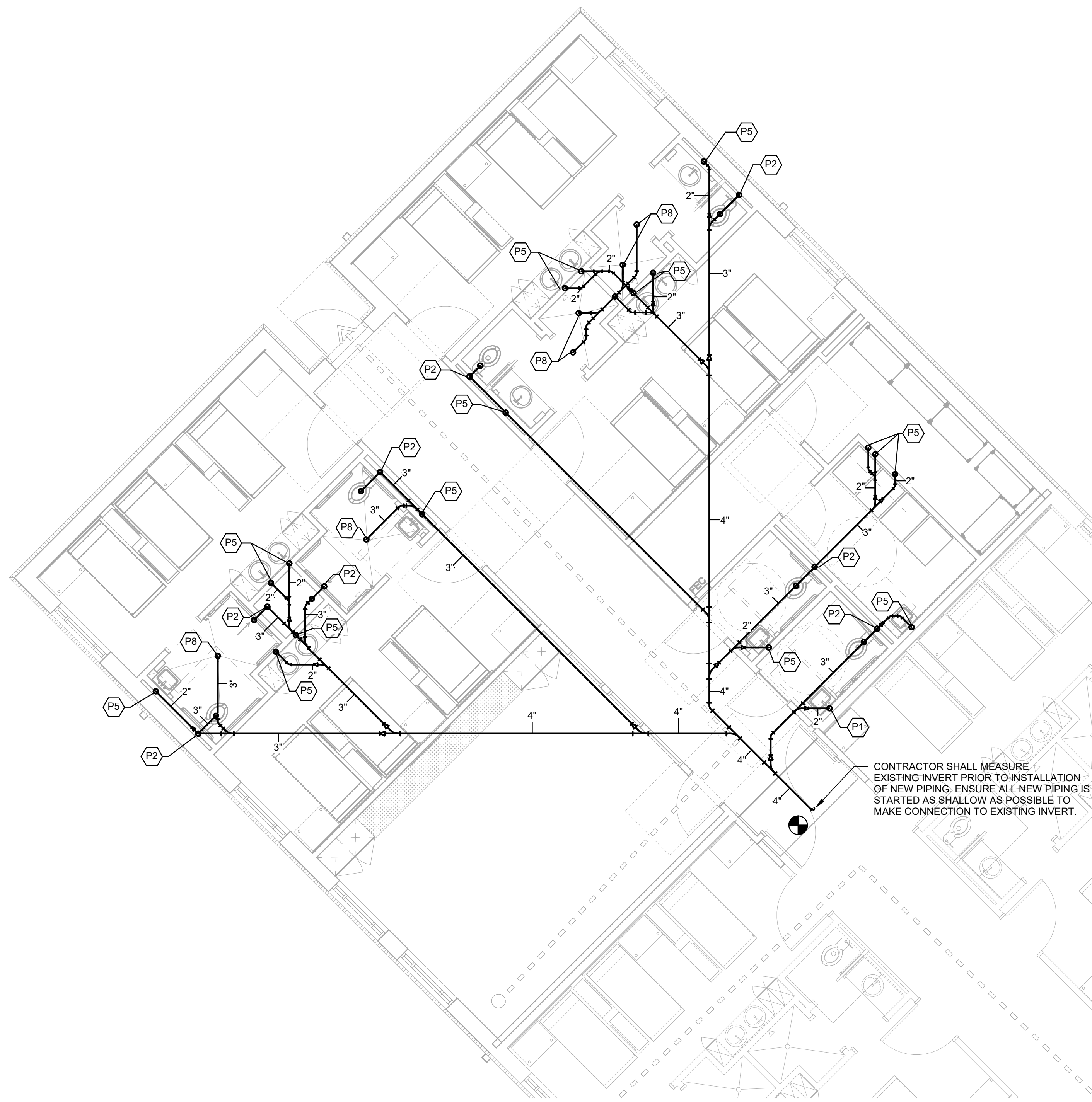
P0.01
PLUMBING
LEGENDS/SCHEDULES
AND NOTES

4551 Trousdale
Nashville, TN
Tel: 615.857.0859
Fax: 615.857.0857

Johnson Johnson
Cabinet Architects P.C.

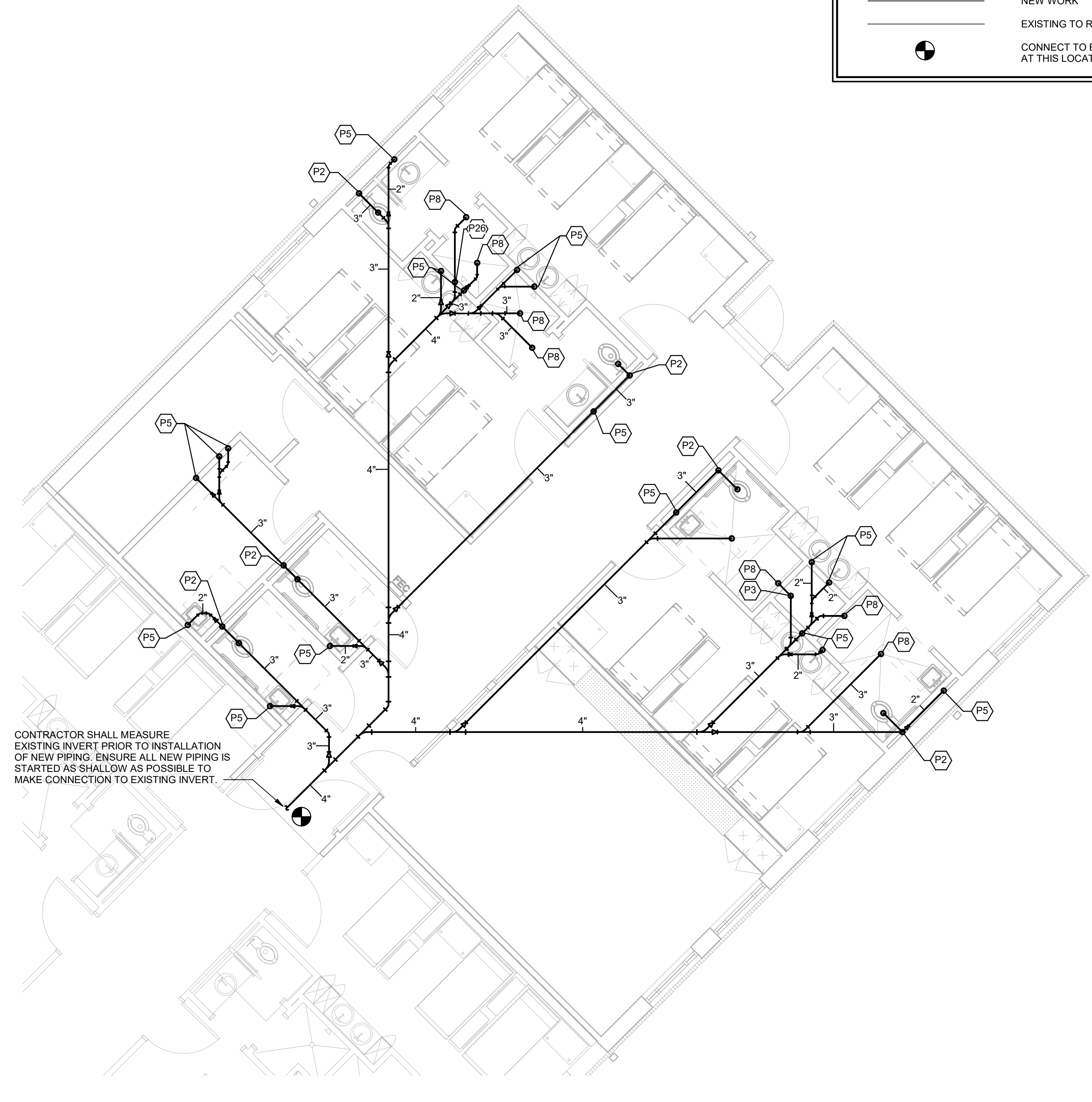
#	KEYED NOTES
Key Value	Keynote Text
P1	2"W DN, 2"V UP
P2	3"W DN, 2"V UP
P3	3"W DN, 2"V UP
P5	2"W UP
P8	3"W UP
P26	2"V UP

NEW WORK LEGEND	
	NEW WORK
	EXISTING TO REMAIN
	CONNECT TO EXISTING AT THIS LOCATION



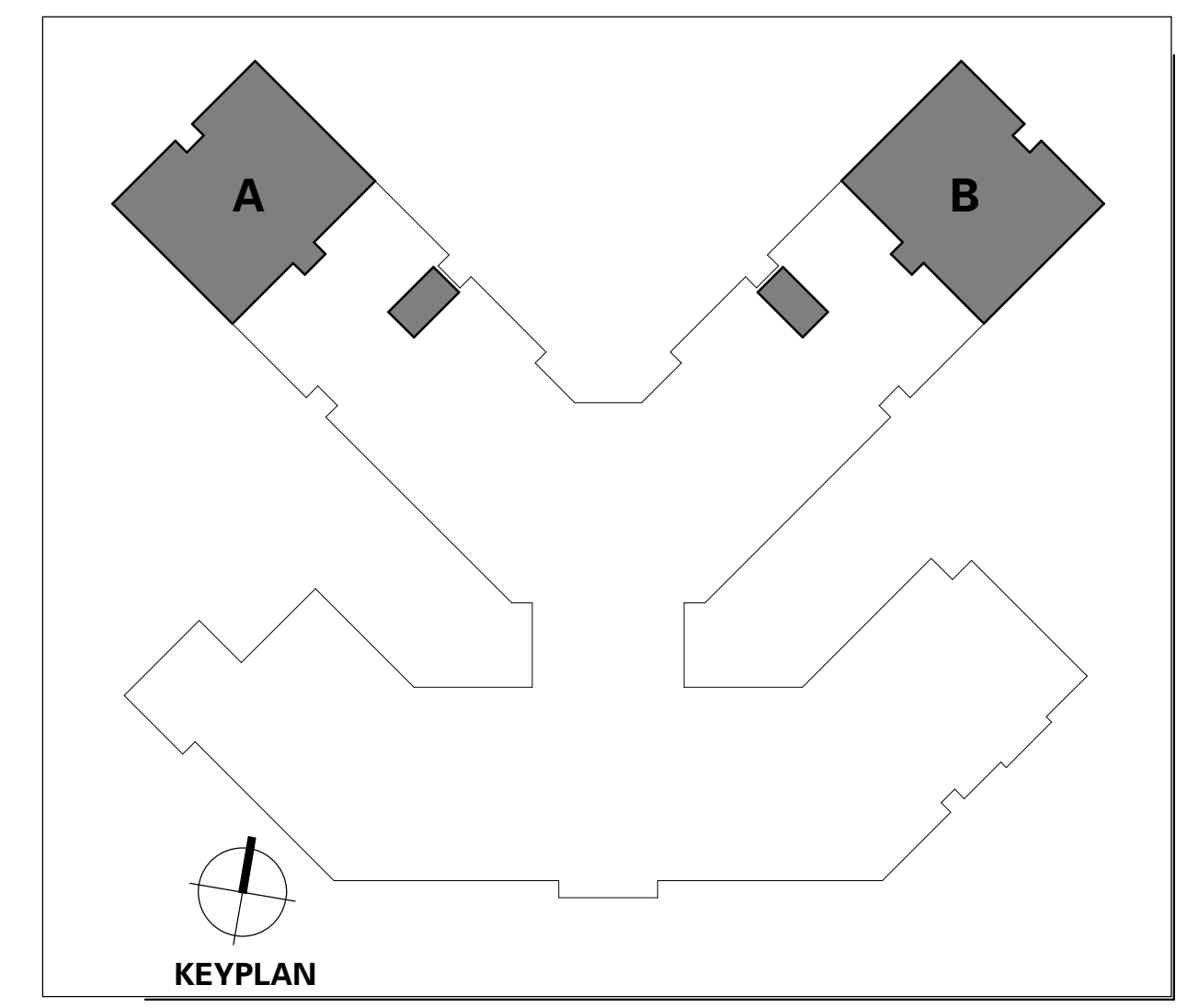
CONTRACTOR SHALL MEASURE EXISTING INVERT PRIOR TO INSTALLATION OF NEW PIPING. ENSURE ALL NEW PIPING IS STARTED AS SHALLOW AS POSSIBLE TO MAKE CONNECTION TO EXISTING INVERT.

1 PLUMBING - UNDERGROUND - NEW WORK - SIDE A
3/16" = 1'-0"



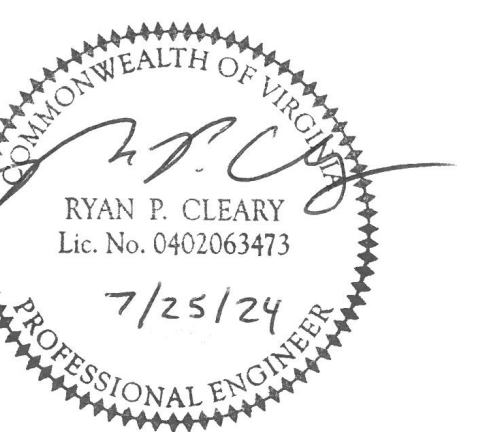
CONTRACTOR SHALL MEASURE EXISTING INVERT PRIOR TO INSTALLATION OF NEW PIPING. ENSURE ALL NEW PIPING IS STARTED AS SHALLOW AS POSSIBLE TO MAKE CONNECTION TO EXISTING INVERT.

2 PLUMBING - UNDERGROUND - NEW WORK - SIDE B
3/16" = 1'-0"



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P2.00
PLUMBING
UNDERGROUND - NEW
CONSTRUCTION

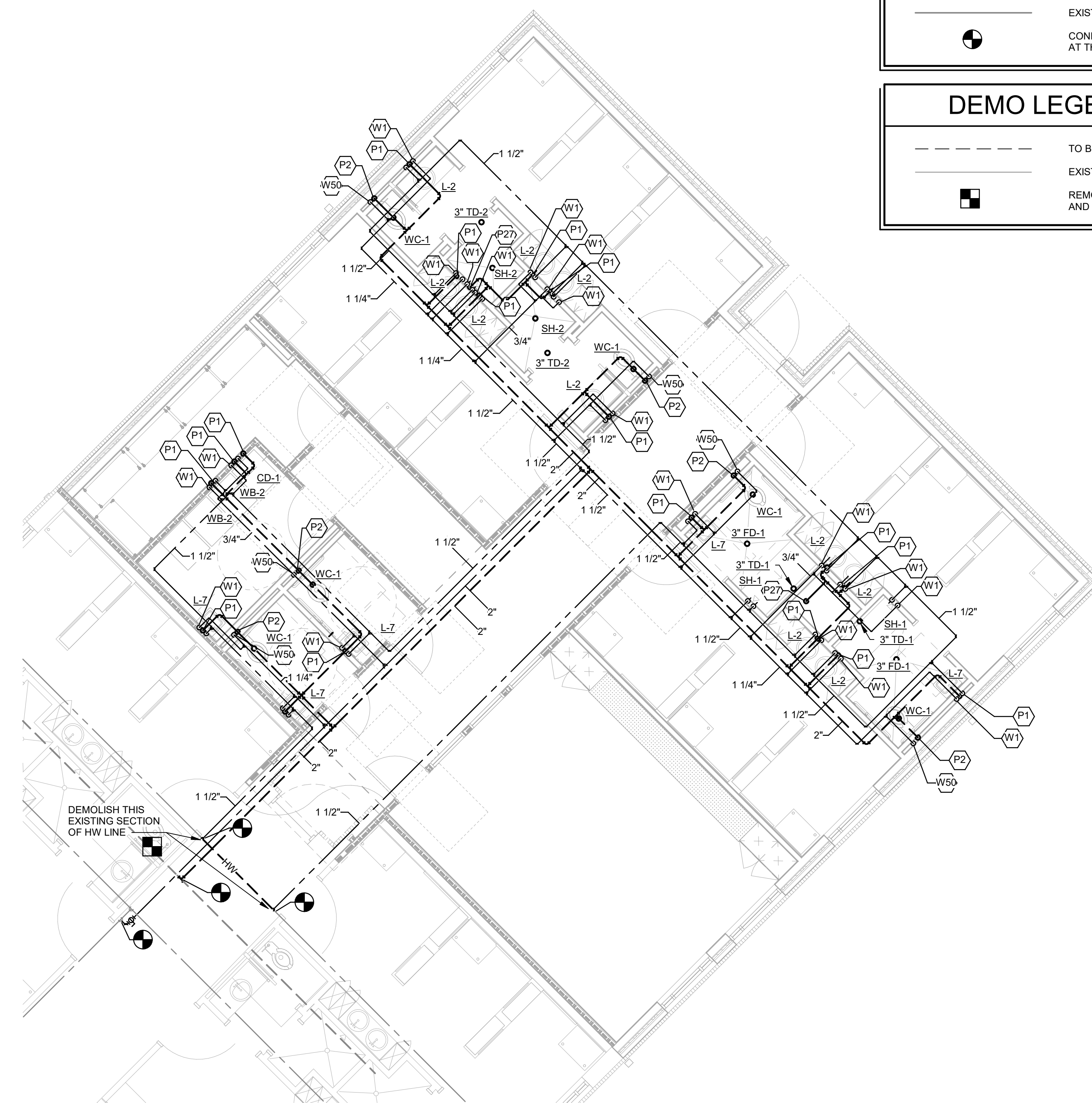
KEYED NOTES	
Key Value	Keynote Text
P1	2"W DN, 2"V UP
P2	3"W DN, 2"V UP
P12	3"W DN
P27	2"V FROM BELOW
W1	1/2"HW & 1/2"CW DN
W50	1-1/4"CW DN

NEW WORK LEGEND	
	NEW WORK
	EXISTING TO REMAIN
	CONNECT TO EXISTING AT THIS LOCATION

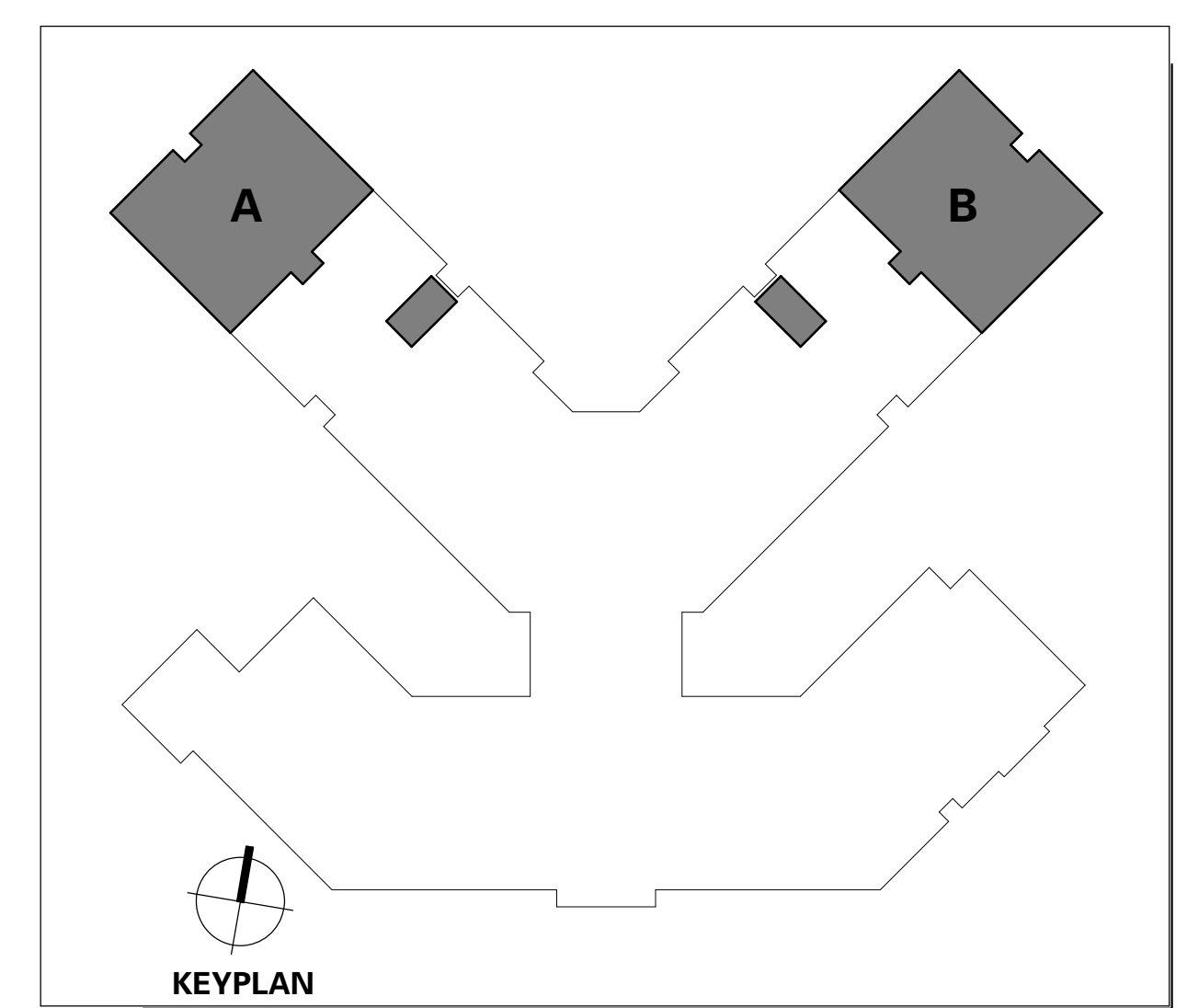
DEMO LEGEND	
	TO BE REMOVED
	EXISTING TO REMAIN
	REMOVE TO THIS POINT AND CAP



1 PLUMBING - FIRST FLOOR - NEW WORK - SIDE A
3/16" = 1'-0"



2 PLUMBING - FIRST FLOOR - NEW WORK - SIDE B
3/16" = 1'-0"



JJCA

**24 Bed Addition for
Acadia - Mount Regis Center**
Salem, Virginia

COMMONWEALTH OF VIRGINIA
Professional Engineer
RYAN P. CLEARY
Lic. No. 0402063473
7/25/24

PROJECT
24054.00
DATE
7/25/2024

P2.01
PLUMBING PIPING -
NEW CONSTRUCTION