

1. THE DRAWINGS ON THESE PLANS ARE DIAGRAMMATIC. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH OTHER TRADES TO PREVENT CONFLICTING STRUCTURE. NO EXTRA PAYMENTS WILL BE AUTHORIZED FOR REROUTING OR REMOVAL OF INSTALLED WORK DUE TO LACK OF COORDINATION WITH OTHER SYSTEMS.
2. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS, FLOORS AND CEILINGS AS REQUIRED FOR INSTALLATION OF HIS WORK.
3. THIS CONTRACTOR SHALL FURNISH AND INSTALL ACCESS PANELS AS REQUIRED TO PROVIDE ACCESSIBILITY TO COMPONENTS (VALVES, TRAPS, CLEANOUTS, ETC.) IS REQUIRED FOR MAINTENANCE AND/OR SYSTEM OPERATION.
4. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED FIRE AND SMOKE TIGHT WITH AN APPROPRIATE U.L. LISTED FIRESTOPPING MATERIAL AND/OR SYSTEM.
5. ALL PENETRATIONS THROUGH FOUNDATIONS AND EXTERIOR WALLS SHALL BE PACKED WITH OAKUM AND SEALED WITH A WATERPROOF, NON-HARDENING SEALANT.
6. FURNISH AND INSTALL UNDER SINK PROTECTIVE PIPE COVER KITS ON EXPOSED PIPING AT ALL ADA ACCESSIBLE SINKS AND LAVATORIES.
7. COORDINATE FIXTURE ROUGH-INS AND INSTALLATIONS WITH THE ARCHITECTURAL PLANS.
8. ALL EXPOSED DOMESTIC WATER DISTRIBUTION PIPING IS TO BE INSULATED.
9. PROVIDE SHUT-OFF VALVES AT ALL BRANCH PIPING TAKE-OFFS (C/O) AND AT ALL CONNECTIONS TO EQUIPMENT. PROVIDE UNIONS AT ALL EQUIPMENT CONNECTIONS.
10. PROVIDE DRAINS WITH HOSE ADAPTERS AND CAPS ON PIPING AT ALL LOW POINTS. PROVIDE MANUAL VENTS ON PIPING AT ALL HIGH POINTS.
11. COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL CONTRACTOR.
12. ALL REQUIRED MOTOR STARTERS SHALL BE FURNISHED BY THIS CONTRACTOR AND INSTALLED BY THE E.C.
13. ALL REQUIRED CONTROL EQUIPMENT AND WIRING SHALL BE FURNISHED & INSTALLED BY THIS CONTRACTOR.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING EXPANSION LOOPS AS NECESSARY IN ALL SUPPLY AND RETURN PIPING TO PROTECT PIPES AND STRUCTURE FROM DAMAGE DUE TO THERMAL EXPANSION AND CONTRACTION IN PIPES.
15. WHERE INSTALLATION OR REMOVAL OF BELOW-SLAB PIPING IS INDICATED IN EXISTING CONCRETE SLAB, THIS CONTRACTOR SHALL SHUT-OUT AND EXCAVATE THE EXISTING SLAB AS REQUIRED. UPON COMPLETION OF WORK, THIS CONTRACTOR SHALL PATCH THE CONCRETE SLAB. FLOOR FINISH WORK BY G.C.
16. THE TERMS "PROVIDE" OR "FURNISH", AS USED ON THESE PLANS, INDICATE THAT THE CONTRACTOR IS TO FURNISH AND INSTALL THE NECESSARY EQUIPMENT AND MATERIALS AND THAT HIS ENTIRETY AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
17. CONTRACTOR SHALL PROVIDE ALL COMPONENTS INDICATED ON DETAIL SHEETS, PLANS, SPECIFICATIONS AND ALL PERTINENT EQUIPMENT REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING EXPANSION LOOPS AS NECESSARY IN ALL SUPPLY AND RETURN PIPING TO PROTECT PIPES AND STRUCTURE FROM DAMAGE DUE TO THERMAL EXPANSION AND CONTRACTION IN PIPES.
19. CONTRACT CLOSE OUT: IN THE PRESENCE OF THE OWNER, ENGINEER OR ARCHITECT, DEMONSTRATING OPERATION OF SYSTEMS AND THAT ALL SPECIFICATIONS HAVE BEEN MET TO THE SATISFACTION OF ALL PARTIES.
20. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE ALTERATIONS AND/OR NEW CONSTRUCTION AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS TO PROVIDE COMPLETE NEW CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL DETAIL NECESSARY FOR COMPLETION OF THESE SYSTEMS IN ACCORDANCE WITH GOOD PRACTICE.

1. WHERE NOTED KITCHEN FIXTURES ONLY SHALL BE SERVED WITH (140°F) HOT WATER. (120°F) HOT WATER WILL SERVE HAND WASHING FIXTURES IN KITCHEN.
2. ALL OTHER AREAS SHALL BE SERVED WITH (110°F) HOT WATER. MAXIMUM OUTLET TEMPERATURE FOR ANY FIXTURE (EXCEPT THOSE IN KITCHEN) SHALL BE SET @ 100°F.
3. DRAIN PIPING SHOWN ON PLANS SHALL BE INSTALLED ABOVE THE FLOOR SHOWN (ABOVE CEILING OR BELOW SLAB OF UPPER FLOOR AS APPROPRIATE) UNLESS OTHERWISE NOTED.
4. ALL PLUMBING SUPPLY & VENT PIPING SHOWN SHALL BE INSTALLED IN THE CEILING OF THE FLOOR PLAN SHOWN, UNLESS OTHERWISE NOTED.
5. PLUMBING CONTRACTOR IS RESPONSIBLE FOR OWN CUTTING & PATCHING AS REQUIRED. FINISHING SHALL BE BY GENERAL CONTRACTOR.
6. INSTALL SECTORALIZING VALVES AT ALL MAIN "T" ON DOMESTIC HOT & COLD WATER SERVICE.
7. VENT PIPING UNDER SLABS SHALL BE A MINIMUM OF 2".
8. WASTE PIPING UNDER SLABS SHALL BE A MINIMUM OF 2".
9. ALL PLUMBING FIXTURES AND TRIM SHALL BE IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES, AS WELL AS ALL ADA AND ANSI-A-117.1 REQUIREMENTS.
10. INSTALL CONDENSATION CONTROL INSULATION; MINIMUM 1"-INCH THICK FOR ALL PIPE SIZES.

- a. COOLING COIL CONDENSATION PIPING TO WASTE PIPING
FIXTURE OR INLET. (COORDINATE W/ MECHANICAL
CONTRACTOR).
- B. PLUMBING PIPING AS FOLLOWS:
 - a. BODY OF ROOF DRAINS AND STORM PIPE OF
HORIZONTAL & VERTICAL RUNS, & OFFSETS (INCLUDING
ELBOWS) OF INTERIOR DOWN SPOUT PIPING IN ALL
AREAS.
 - b. WASTE PIPING FROM ELECTRIC WATER COOLERS TO
DRAINAGE SYSTEM.
 - c. WASTE PIPING LOCATED ABOVE BASEMENT FLOOR
FROM AIR HANDLING UNITS, FROM FIXTURE (INCLUDING TRAP)
TO MAIN VERTICAL WASTE PIPE. (COORDINATE W/
MECHANICAL CONTRACTOR).
 - d. COLD WATER PIPING.
11. HOT & HOT WATER RETURN PIPING SHALL BE INSULATED PER
WRITTEN SPECIFICATIONS AND NYS ENERGY CONSERVATION
CONSTRUCTION CODE.
12. PLUMBING CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS
FOR EXACT LOCATION OF ROOF DRAINS AND FOR ADDITIONAL ROOF
DRAIN WORK NOT SHOWN ON PLUMBING DRAWING.
13. ROOF LEADERS MUST BE CONVEYED INDEPENDENTLY FROM SANITARY
SEWER SYSTEMS. (STORM DRAIN SHALL NEVER TIE INTO SANITARY
SEWER SYSTEM).
14. UNLESS OTHERWISE NOTED, ALL VALVES 2" & SMALLER SHALL BE
QUARTER-TURN BALL VALVES AND ALL VALVES 2½" & LARGER
SHALL BE GATE VALVES. ALL VALVES SHALL BE OF FULL-PORT
DESIGN.
15. PLUMBING CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED &
PAY ALL FEES.
16. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCHING
BEDDING AND BACK FILLING AS PER SPECIFICATIONS. ALL TRENCH
WORK TO BE COORDINATED WITH THE GENERAL CONSTRUCTION
CONTRACTOR.
17. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE
SEALED AND GASKET TIGHT WITH AN APPROPRIATE U/L LISTED
FIRESTOPPING MATERIAL AND OR SYSTEM.

1. EQUIPMENT SUPPLIED BY A VENDOR OTHER THAN THE KEC HAVE ALL PLUMBING, ELECTRICAL, AND HVAC MECHANICAL CONNECTIONS VERIFIED PRIOR TO CONSTRUCTION.
2. ALL ROUGH-IN'S MUST BE MADE IN ACCORDANCE WITH APPLICABLE STATE & LOCAL CODES.
3. REFER TO EQUIPMENT SPECIFICATIONS BOOKLET FOR ADDITIONAL INFORMATION ON SUPPLIED KITCHEN EQUIPMENT.
4. ALL ROUGH-IN'S AND FINAL CONNECTIONS TO BE FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR.
5. GAS MAIN TO KITCHEN AREA REQUIRES A ELECTRIC-ACTUATED GAS SHUT OFF SOLENOID VALVE TO BE SUPPLIED & INSTALLED BY THE PLUMBING CONTRACTOR UNLESS OTHERWISE NOTED.
6. KITCHEN EQUIPMENT CONTRACTOR TO FURNISH GAS COOKING EQUIPMENT WITH PRESSURE REGULATORS & ALL OTHER APPURTENANCES REQUIRED PER MANUFACTURERS SPECIFICATIONS AND LOCAL CODES.
7. ALL INDIRECT DRAINS LINES ARE TO BE PIPED TO FLOOR DRAINS BY PLUMBING CONTRACTOR AND AIR GAPPED AS PER CODE.
8. PLUMBING CONTRACTOR TO FURNISH AND INSTALL HOT AND COLD WATER LINE CHECK VALVES AT ALL SPRAY SYSTEM UNIT MIXING VALVES.
9. KITCHEN EQUIPMENT TO BE PROVIDED & SET IN PLACE BY KITCHEN CONTRACTOR. ALL ROUGH-IN'S FINAL CONNECTIONS BY PLUMBING CONTRACTOR. COORDINATE WITH KITCHEN CONTRACTOR FOR EXACT LOCATIONS.
10. ALL FAUCETS FOR FOOD SERVICE EQUIPMENT FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR TO BE INSTALLED BY P.C.
11. SEE DWG (#) FOR ENLARGED KITCHEN LAYOUT PLAN, DETAILS, NOTES & MORE INFORMATION.
12. ALL APPURTENANCES AND SPECIALTIES REQUIRED FOR KITCHEN EQUIPMENT (GAS PRESSURE REGULATORS, WATER PRESSURE REDUCING VALVES, ETC.) TO BE FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR AND INSTALLED BY PLUMBING CONTRACTOR.

GAS PIPING NOTES:

1. GAS PRESSURE WITHIN BUILDING SHALL NOT EXCEED 1/2" PSIG. PRIOR TO CONNECTION TO GAS SERVICE. ALL INDOOR ABOVE GROUND GAS PIPING (NOT COATED OR WRAPPED) SHALL BE TESTED WITH AIR PRESSURE AT 15 PSIG FOR A PERIOD OF 1 HOUR WITH NO LOSS IN PRESSURE. ALL COATED OR WRAPPED GAS PIPING SHALL BE TESTED W/AIR PRESSURE AT 100 PSIG FOR A MINIMUM OF 1 HOUR WITH NO LOSS IN PRESSURE.
2. COORDINATE INSTALLATION AND FINAL CONNECTION OF GAS LINES WITH KITCHEN CONTRACTOR & C.C.
3. ALL GAS PIPING SHALL BE IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES, AS WELL AS NFPA-54.
4. GAS PIPING UNDER SLABS, AND CROSSING CORRIDORS SHALL BE GAS TIGHT VENTED SLEEVES. (VENTED DIRECTLY AND INDEPENDENTLY TO THE OUTDOORS).
5. RELIEF VALVES AND NORMALLY OPEN VENT VALVES SHALL BE VENTED DIRECTLY AND INDEPENDENTLY TO THE OUTDOORS.
6. ALL GAS PIPING 3" & LARGER SHALL HAVE WELDED CONNECTIONS. GAS PIPING 2" & SMALLER SHALL HAVE GAS-TIGHT THREADED CONNECTIONS w/ THREAD SEALANT APPROVED FOR NATURAL GAS SERVICE.
7. CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS FOR THE INSTALLATION OF THE NEW NATURAL GAS SERVICE TO BLDG. w/ LOCAL UTILITIES APPROXIMATELY THREE (3) WEEKS PRIOR TO START OF CONSTRUCTION. NO GAS LINES FROM MAIN UNDER STREET UP TO AND INCLUDING METER AT BLDG. SHALL BE BY UTILITY COMPANY. ALL TRENCHING, BEDDING & BACKFILL SHALL BE BY PLUMBING CONTRACTOR AS PER OTHER REQUIREMENTS. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GAS PIPING FROM CONNECTION OF METER OUTLET TO THROUGHOUT BLDG. AS PER PLANS, SPECIFICATIONS, NFPA 54, LOCAL CODES, AS WELL AS UTILITY COMPANY REQUIREMENTS. PLUMBING CONTRACTOR SHALL COORDINATE SCHEDULING OF GAS SERVICE w/ SITE CONTRACTOR AS WELL. PLUMBING CONTRACTOR SHALL APPLY & OBTAIN ALL PERMITS REQUIRED & PAY ALL FEES.
8. ALL GAS PIPING PASSING THROUGH MASONRY WALLS SHALL BE SLEEVED w/ SCH. 80 PVC.
9. COORDINATE INSTALLATION OF GAS PIPING w/ ALL OTHER TRADES PRIOR TO INSTALLATION.

	DIRECTION OF FLOW
	ANCHOR
	PIPE GUIDE
	REDUCER OR INCREASER
	ECCENTRIC REDUCER
	TOP CONNECTION, 45° OR 90°
	BOTTOM CONNECTION, 45° OR 90°
	SIDE CONNECTION
	CAPPED OUTLET
	PIPE DOWN TURN
	PIPE RISE
	UNION
	DIRECTION OF PIPE PITCH (DOWN)

	COLD WATER SUPPLY
	CONDENSATE DRAIN
	HOT WATER RETURN
	HOT WATER SUPPLY
	INDIRECT WASTE
	SANITARY LINE
	STORM LINE
	VENT PIPE

1. PIPE P&T VALVE TO FLOOR DRAIN.
2. PROVIDE BOILER DRAINS FOR EACH HEATER.
3. PROVIDE 4" CONCRETE HOUSEKEEPING PAD UNDER WATER HEATERS AND EXPANSION TANK.
4. PROVIDE UNIONS AT INLET AND OUTLET CONNECTIONS TO ALL EQUIPMENT.
5. ALL VALVES TO BE 1/4 TURN BALL VALVES, FULL PORT, UNLESS OTHERWISE NOTED.
6. INDEPENDENTLY SUPPORT PUMPS AS NECESSARY, ELECTRICAL CONNECTION BY E.C. CONTROL BY THIS CONTRACTOR.
7. MOTORIZED SOLENOID VALVES FOR SAFETY SHUTDOWN SHALL BE INSTALLED WITH AQUASTAT CONTROLLER SET AT +15° ABOVE DELIVERY TEMPERATURE (ADJUSTABLE). VALVES SHALL BE SELF CONTAINED, AUTOMATIC RESETTING.

		OR		GATE VALVE – THREADED/FLANGED
		OR		GATE VALVE WITH 3/4" HOSE ADAPTER
		OR		GLOBE VALVE – THREADED/FLANGED
		OR		CHECK VALVE
		OR		STRAINER
				WYE STRAINER (WITH BALL VALVE & HOSE CONNECTION)
				STRAINER WITH VALVED DRAIN AND QUICK-COUPLE HOSE CONNECTOR
		OR		FLEXIBLE CONNECTION
				ANGLE GLOBE VALVE
		OR		BUTTERFLY VALVE
		OR		BALL VALVE
				CONTROL VALVE (CV) – FLOAT-OPERATED
		OR		MODULATING CONTROL VALVE
				MODULATING CONTROL BUTTERFLY VALVE
				TWO POSITION CONTROL VALVE
		OR		THREE-WAY MODULATING CONTROL VALVE
				THREE-WAY TWO POSITION CONTROL VALVE
		OR		PRESSURE REGULATING VALVE
		OR		PRESSURE REDUCING VALVE (PRV)
		OR		TEMPERATURE & PRESSURE RELIEF VALVE
				SAFETY OR PRESSURE RELIEF VALVE
		OR		AUTOMATIC BALANCING CONTROL VALVE
				WATER BALANCE DEVICE
				WATER FLOW MEASURING DEVICE
		OR		CIRCUIT SETTER VALVE
				GATE VALVE WITH GLOBE-VALVED BYPASS
		OR		TRIPLE DUTY VALVE
				WATER LEVEL CONTROLLER
		OR		FLOW METER
		OR		COMBINATION BALANCING AND SHUT-OFF VALVE
				MANUAL AIR VENT
				TEST PLUG (PRESSURE/TEMPERATURE)
		OR		PLUG VALVE
				LUBRICATED PLUG VALVE

A	MEDICAL AIR
ACT	ACOUSSTIC CEILING TILE
AD	ACCESS DOOR
AF	ABOVE FINISHED FLOOR
AF	ACCESS PANEL
AW	ACID WASTE PIPE
BTUH	BRITISH THERMAL UNITS/HOUR
CLG	CEILING
CN	CLEAN OUT
CP	CONDENSATE PUMP
CW	COLDSTOCK COLD WATER
DA	DIAMETER
D	DRAIN
DN	DOWN
DP	DIFFERENTIAL PRESSURE
E.C.	ELECTRICAL CONTRACTOR
E.C.	ENGINEERING CONTROL CENTER
EMD	END OF MAIN DRIP (STEAM)
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EXIST	EXISTING
E.C.	FLEXIBLE CONNECTION
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FLR.	FLOOR
FPC	FIRE PROTECTION CONTRACTOR
G.C.	GENERAL CONTRACTOR
GR	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
G.SAN	"GREASE LADEN" SANITARY DRAINAGE PIPE
H.C.	HVAC CONTRACTOR
HP	HORSE POWER
HR	HIGH TEMP. HOT WATER RETURN PIPE (125°F)
HTWS	HIGH TEMP. HOT WATER PIPE (125°F)
HW	DOMESTIC HOT WATER PIPE (115°F)
HWR	DOMESTIC HOT WATER RETURN PIPE (115°F)
LBS/HR	POUNDS PER HOUR
LF	LINEAR FEET
LF	MAXIMUM
MBH	ONE THOUSAND BTUH
MER	MECHANICAL EQUIPMENT ROOM
MIN.	MINIMUM
MV	MEDICAL VACUUM
NOM.	NOMINAL
O	OXYGEN
P	PUMP
P.C.C.	PLUMBING CONTRACTOR
PD	PRESSURE DROP (FEET OF WATER)
PRV	PRESSURE REDUCING VALVE
PSQ	POUNDS PER SQUARE IN.
SAN	SANITARY DRAINAGE PIPE
S.S.	STAINLESS STEEL
ST	STORM DRAINAGE PIPE
UH	UNIT HEATER
U.N.O.	UNLESS NOTED OTHERWISE
V	VENT
V	VIBRATION ISOLATOR
VI	VERIFY IN FIELD
VTR	VENT THROUGH ROOF
WCO	WALL CLEAN OUT
W	WATER FILTER
WFM	WATER FLOW MEASURING DEVICE
WH	WATER HEATER

	POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
	POINT OF DISCONNECT
	INDICATES SECTION LETTER
	INDICATES DRAWING NUMBER WHERE LOCATED
	PUMP

	PIPE DIAMETER (IN)	
	LESS THAN 1 ½	1 ½ AND LARGER
COLD WATER	½"	1"
HOT WATER SUPPLY	1"	1 ½"
HOT WATER RETURN	½"	1"

1. INSULATION SHALL HAVE A THERMAL CONDUCTIVITY (K-VALUE) OF .25 BTUxIN/(HRxFTx°F)
2. ALL EDGES SHALL BE CLEAN CUT.
3. ALL SEAMS AND BUTT JOINTS SHALL BE ADHERED AND SEALED USING ARMAFLEX 520 ADHESIVE (OR APPROVED EQUAL).
4. ALL EXPOSED END CUTS SHALL BE COATED WITH ARMAFLEX ADHESIVE (OR APPROVED EQUAL).
5. INSULATION AT HIGH END OF PIPING RUNS SHALL BE ADHERED DIRECTLY TO THE PIPING US A 1" STRIP OF 520 ADHESIVE ON THE INTERIOR DIAMETER FO THE INSULATION AND ON THE PIPE.

FITURE DESIGNATION	DRAIN	VENT	WATER SUPPLY	
			CW	HW
WC-1 & 2	4"	2"	—	—
WC-1 & 2	3"	1½"	½"	—
U-1 & 2	2"	1"	¾"	—
LV-1, 2 & 3	1½"	1"	¾"	¾"
PS-1	1½"	1"	¾"	¾"
MJ-1	2"	1½"	¾"	¾"
HB-1	—	—	—	—
S-1	1½"	1"	¾"	¾"
LM-1	2"	1"	¾"	¾"
SH-1 & 2	2"	1½"	¾"	¾"
KS-1	1½"	1"	¾"	¾"
FD-1	3"	1½"	—	—
FD-2	4"	2"	—	—
FS-1	4"	2"	—	—
FS-2	3"	1½"	—	—

	PIPE DIAMETER (IN)	
	LESS THAN 1 ½	1 ½ AND LARGER
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CLIENT

**Montebello Realty
GP LLC**

**Braemar at Montebello Assisted
Living Residence**

**Montebello Crossing,
250 Lafayette Avenue
(Route 59)
Village of Montebello
New York**

CONTRACT

FOR CONSTRUCTION

SHEET TITLE

PLUMBING: SYMBOLS, ABBREVIATIONS & NOTES

DRAWING NO.

SHEET No.

MARK	DATE	DESCRIPTION
	01/24/20	FINAL BID / PERMIT
	04/15/22	90% V.E. SUBMISSION
	06/03/22	ISSUE FOR BID
1	07/22/22	ADDENDUM #1
	08/08/22	ISSUED FOR CONSTRUCTION

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Village of Montebello
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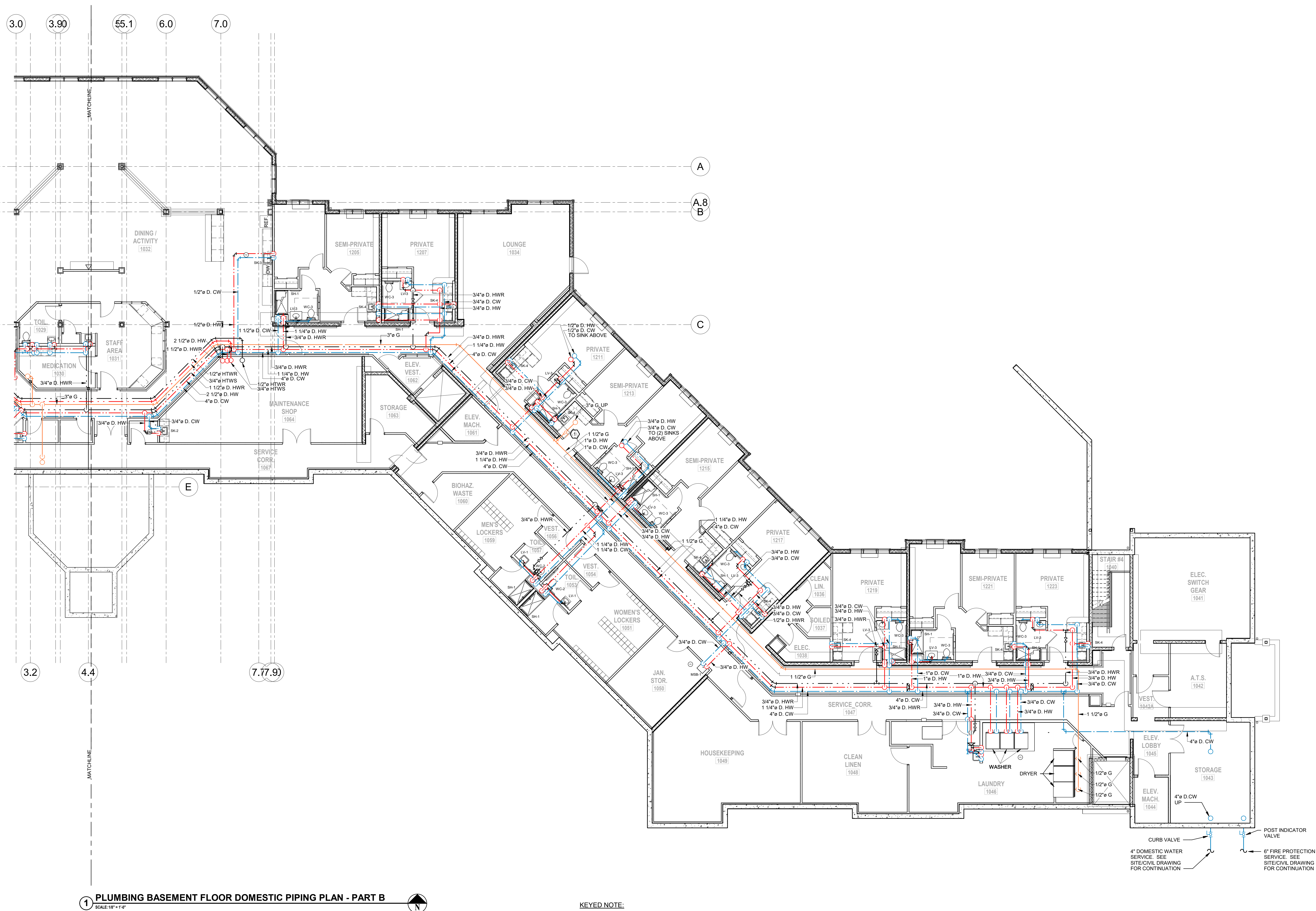
CONTRACT	
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STATUS	FOR CONSTRUCTION
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SHEET TITLE

**PLUMBING PARTIAL
BASEMENT FLOOR
DOMESTIC PIPING PLAN -
AREA B**

DRAWING No. **P1.0B**



KEYED NOTE:

① ASCO NORMALLY CLOSED NATURAL GAS SOLENOID VALVE CONNECTED TO FIRE ALARM AND ANSUL CONTROL SYSTEM. COORDINATE WITH FIRE ALARM CONTRACTOR. VALVE SHALL BE FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR (KEC) AND INSTALLED BY P.C.

CURB VALVE

4" DOMESTIC WATER SERVICE. SEE SITE/CIVIL DRAWING FOR CONTINUATION

POST INDICATOR VALVE

6" FIRE PROTECTION SERVICE. SEE SITE/CIVIL DRAWING FOR CONTINUATION

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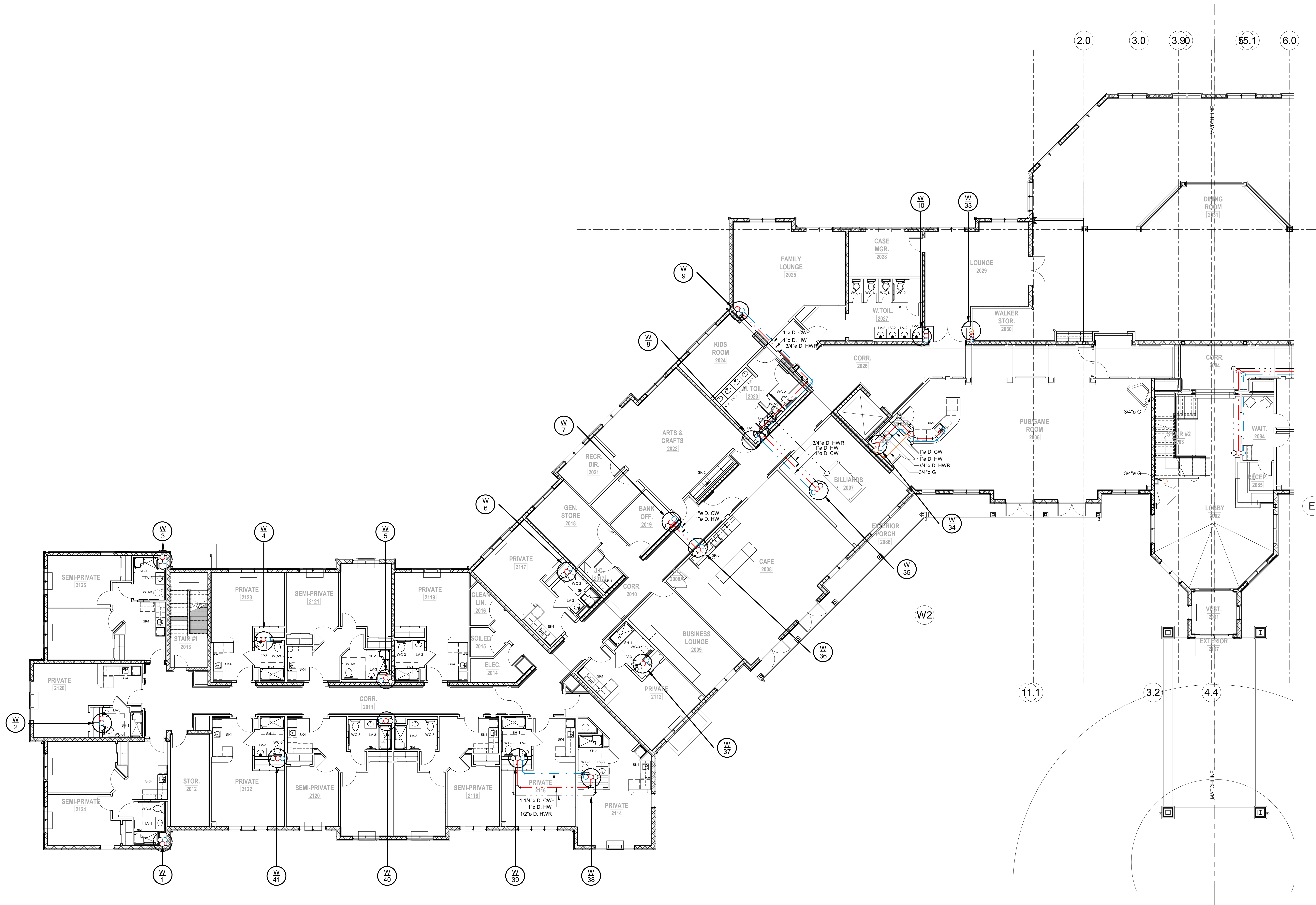
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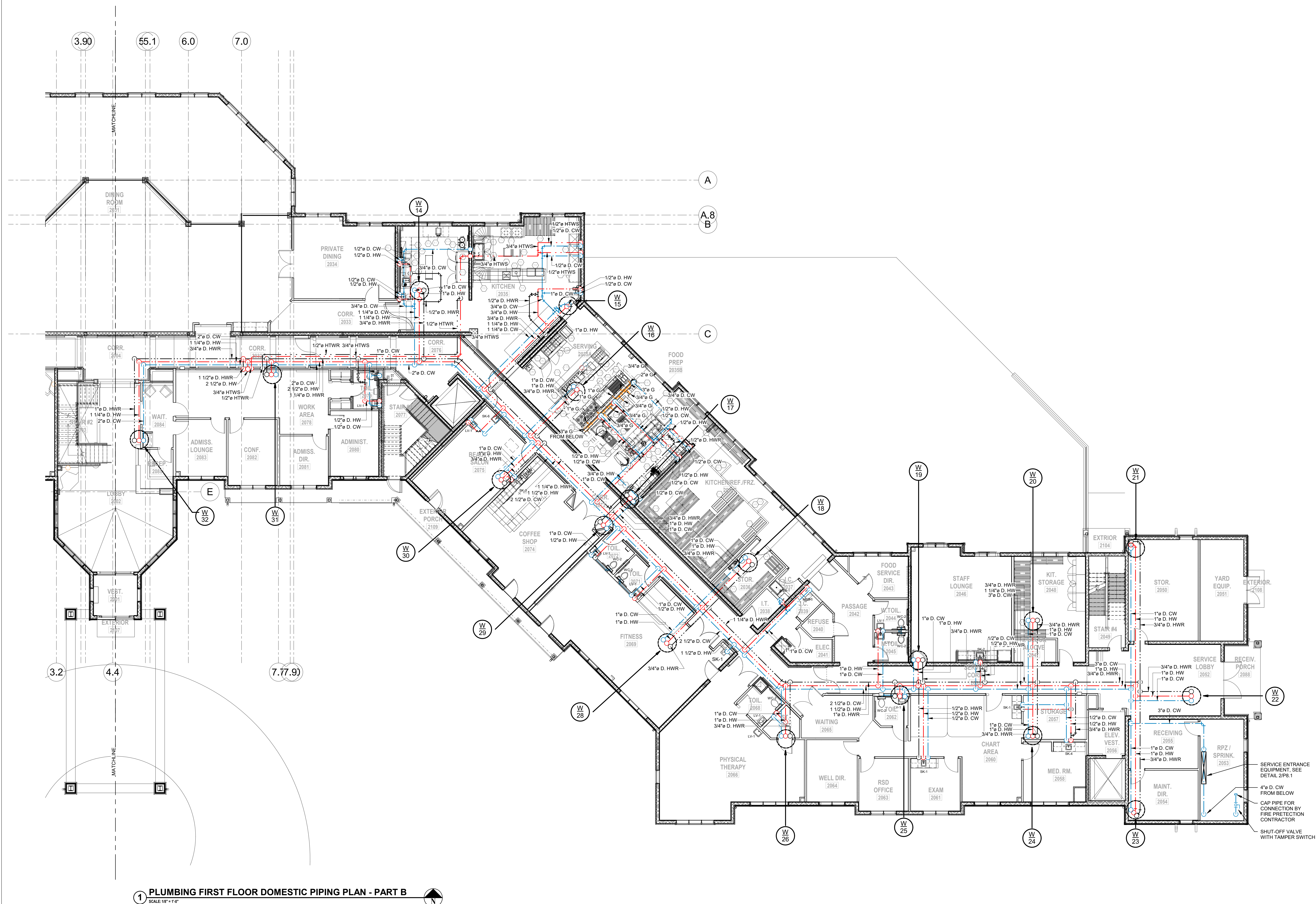
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SHEET TITLE
**PLUMBING PARTIAL FIRST
FLOOR DOMESTIC PIPING
PLAN - AREA A**

DRAWING No.
P1.1A
SHEET No.
OF



1 PLUMBING FIRST FLOOR DOMESTIC PIPING PLAN - PART A
SCALE: 1/8" = 1'-0"



1 PLUMBING FIRST FLOOR DOMESTIC PIPING PLAN - PART B
SCALE: 1/8" = 1'-0"

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CONTRACT

STATUS
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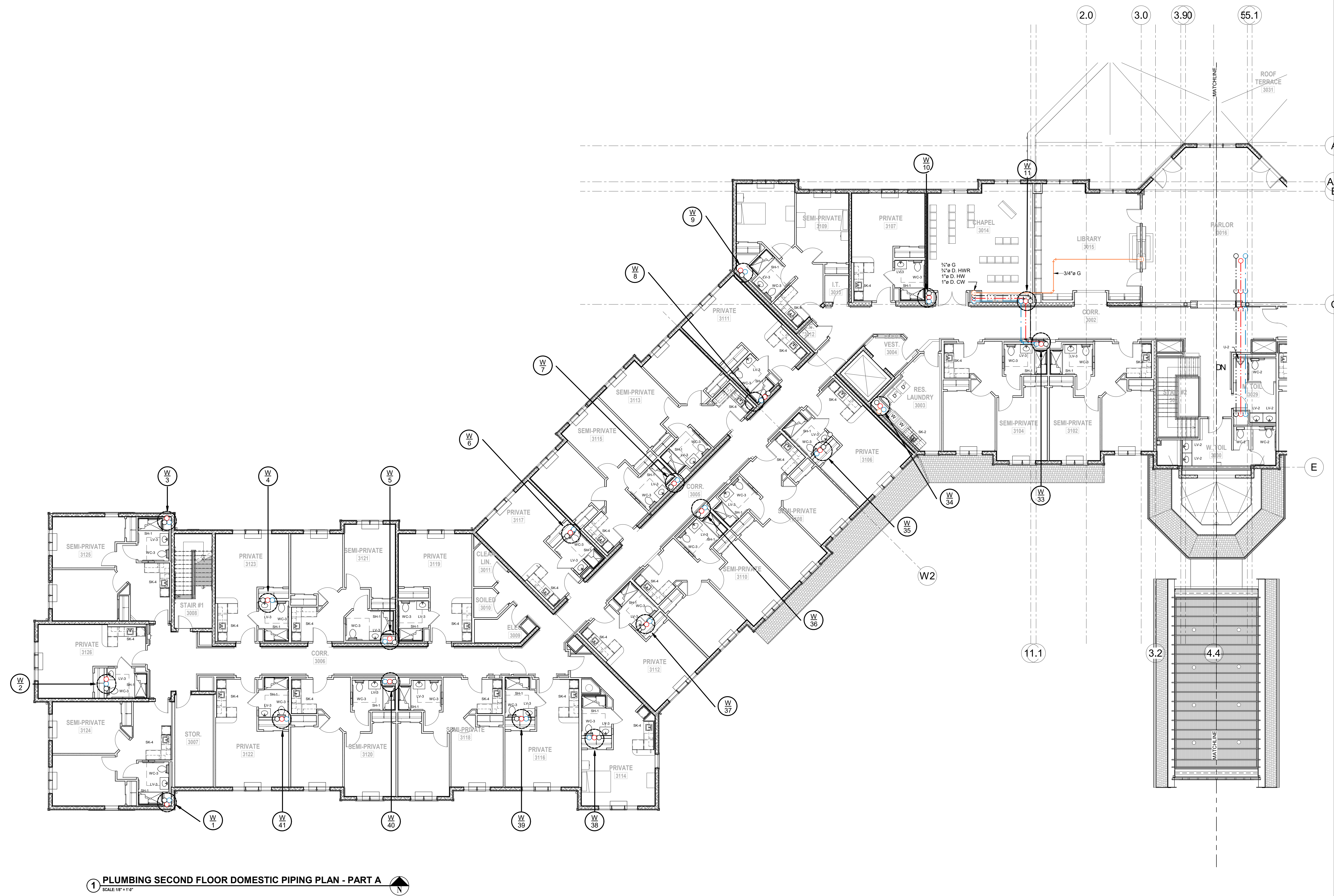
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PLUMBING PARTIAL
SECOND FLOOR
DOMESTIC PIPING PLAN -
AREA A

DRAWING No.
P1.2A

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1 PLUMBING SECOND FLOOR DOMESTIC PIPING PLAN - PART A
SCALE: 1/8" = 1'-0"

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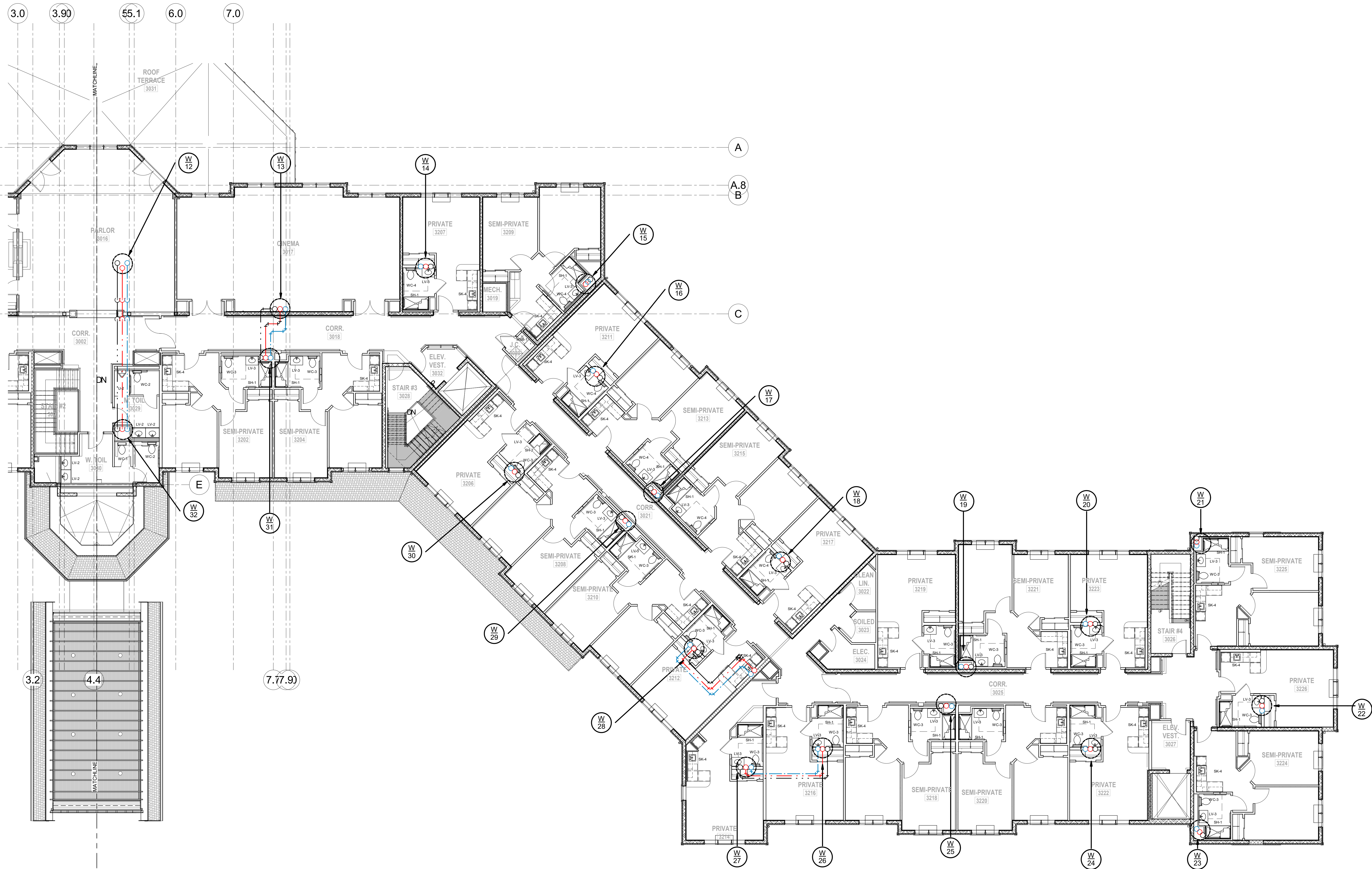
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250 Lafayette Avenue
(Route 59)
Village of Montebello
New York**

CONTRACT	
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FOR CONSTRUCTION

**PLUMBING PARTIAL
SECOND FLOOR
DOMESTIC PIPING PLAN -
AREA B**

P1.2B



1 PLUMBING SECOND FLOOR DOMESTIC PIPING PLAN - PART B
SCALE: 1/8" = 1'-0" 

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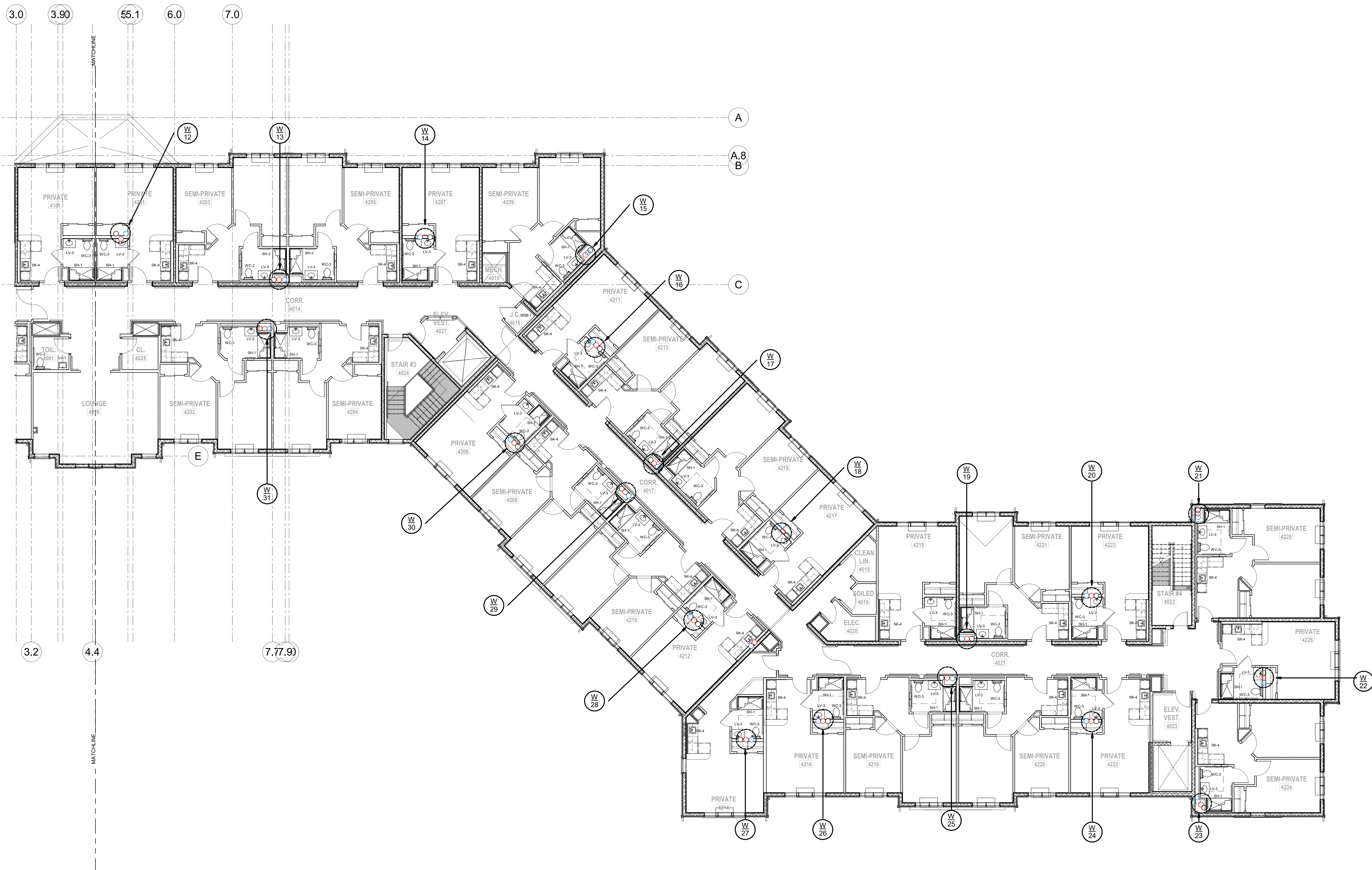
FOR CONSTRUCTION

**PLUMBING PARTIAL
THIRD FLOOR DOMESTIC
PIPING PLAN - AREA A**

P1.3A

SHEET No. _____
OF _____





1 PLUMBING THIRD FLOOR DOMESTIC PIPING PLAN - PART B 

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

MARK	DATE	DESCRIPTION
	01/24/20	FINAL BID / PERMIT
	04/15/22	90% V.E. SUBMISSION
	06/03/22	ISSUE FOR BID
1	07/22/22	ADDENDUM #1
	08/08/22	ISSUED FOR CONSTRUCTION

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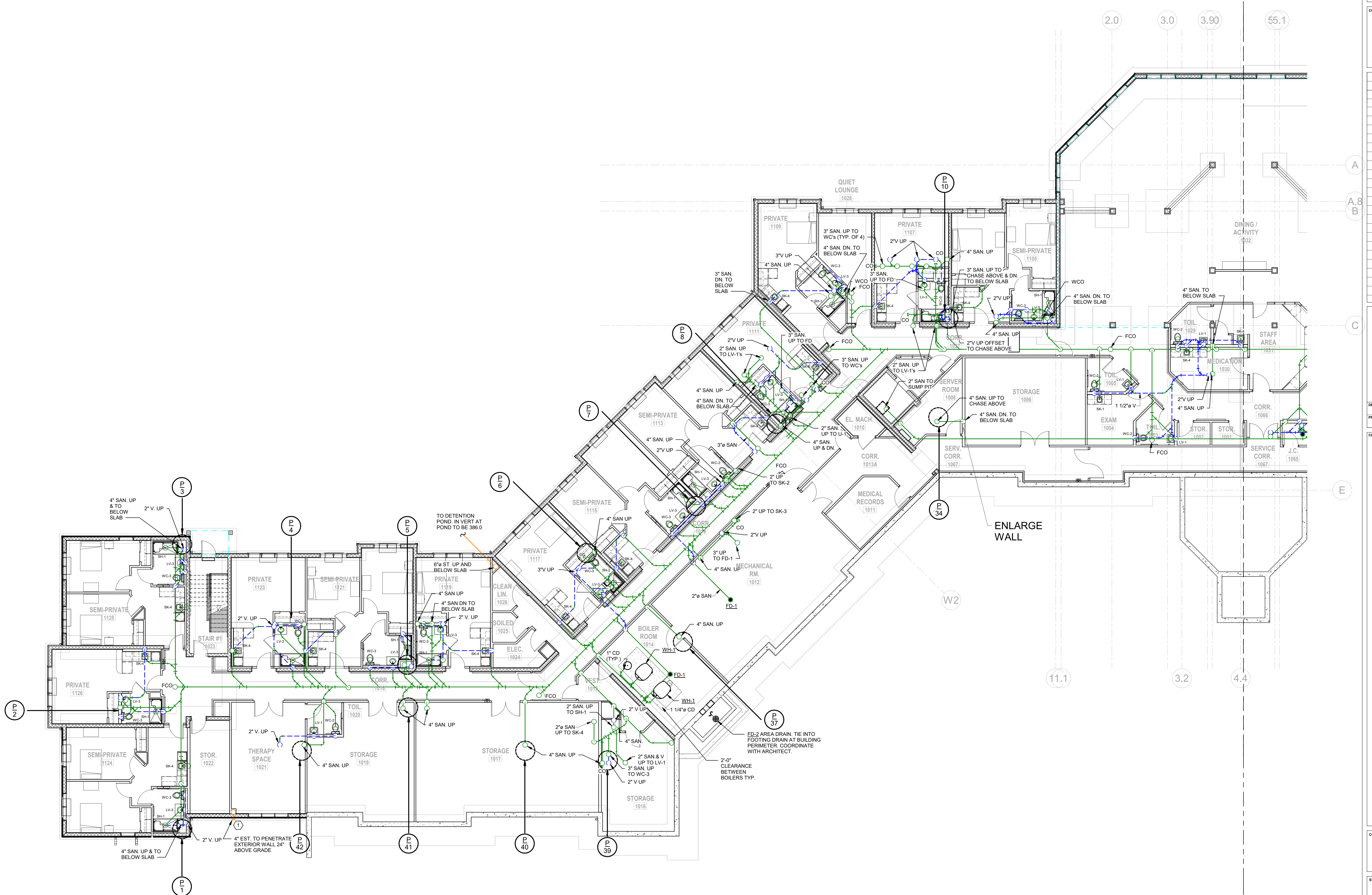
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STATUS
FOR CONSTRUCTION

SHEET TITLE
**PLUMBING PARTIAL
BASEMENT FLOOR
SANITARY & VENT PLAN -
AREA A**

DRAWING No.
P2.0A
OF



1 PLUMBING BASEMENT FLOOR SANITARY & VENT PLAN - PART A
SCALE: 1/8" = 1'-0"

KEYED NOTES:

① PROVIDE ZURN ZF199 DOWNSPOUT NOZZLE AT EMERGENCY STORM DRAIN PENETRATIONS. COLOR BY ARCHITECT.

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	01/24/20	FINAL BID / PERMIT
	04/15/22	90% V.E. SUBMISSION
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1	07/22/22	ADDENDUM #1
	08/08/22	ISSUED FOR CONSTRUCTION

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**PLUMBING PARTIAL
BASEMENT FLOOR
SANITARY & VENT PLAN -
AREA B**

P2.0B



MARK	DATE	DESCRIPTION
	01/24/20	FINAL BID / PERMIT
	04/15/22	90% V.E. SUBMISSION
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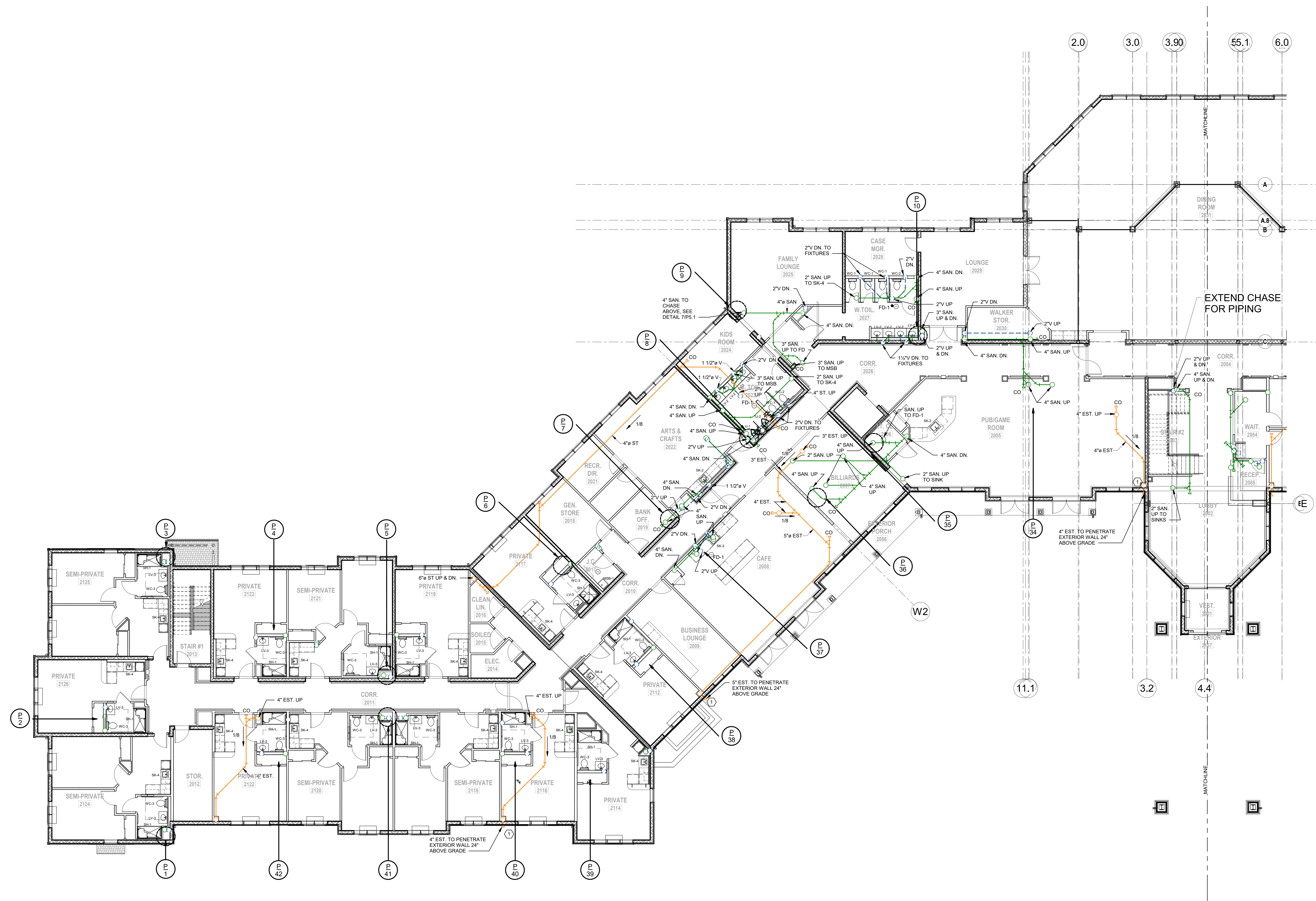
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STATUS
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SHEET TITLE
**PLUMBING PARTIAL FIRST
FLOOR SANITARY & VENT
PLAN - AREA A**

DRAWING No.
P2.1A
SHEET No.
OF



1 PLUMBING FIRST FLOOR SANITARY & VENT PLAN - PART A
SCALE: 1/8" = 1'-0"

KEYED NOTES:
① PROVIDE ZURN ZF199 DOWNSPOUT NOZZLE AT EMERGENCY STORM DRAIN PENETRATIONS. COLOR BY ARCHITECT.

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15-345

DATE	DESCRIPTION
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07/22/22	ADDENDUM #1
08/08/22	ISSUED FOR CONSTRUCTION

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FOR CONSTRUCTION

**CUMMING PARTIAL FIRST
FLOOR SANITARY & VENT
PLAN - AREA B**

P2.1B



MARK	DATE	DESCRIPTION
	01/24/20	FINAL BID / PERMIT
	04/15/22	90% V.E. SUBMISSION
	06/03/22	ISSUE FOR BID
1	07/22/22	ADDENDUM #1
	08/08/22	ISSUED FOR CONSTRUCTION

A	
A.8	
B	

C	
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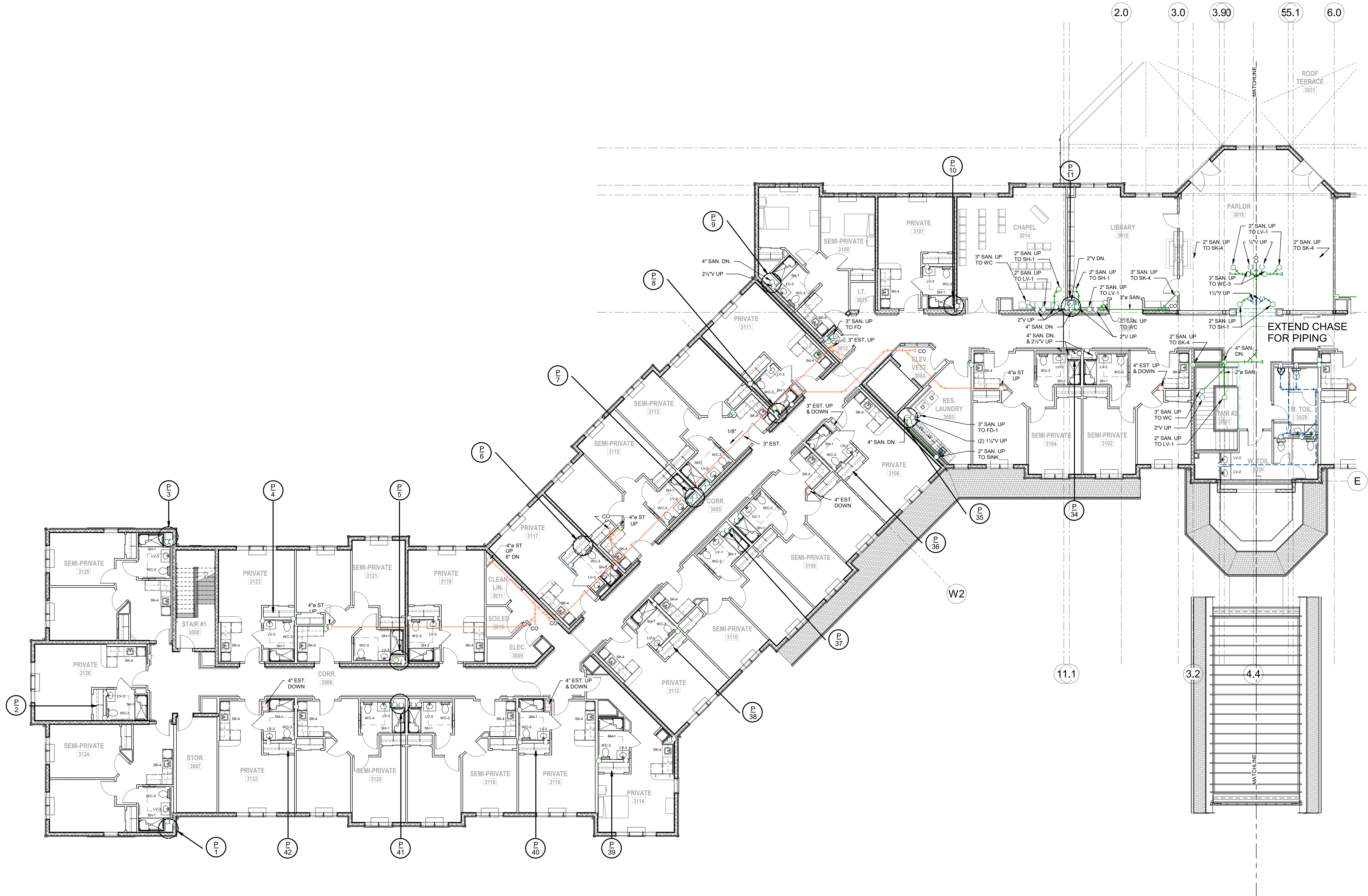
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STATUS
FOR CONSTRUCTION

SHEET TITLE
**PLUMBING PARTIAL
SECOND FLOOR
SANITARY & VENT PLAN -
AREA A**

DRAWING No.
P2.2A
OF



1 PLUMBING SECOND FLOOR SANITARY & VENT PLAN - PART A
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FOR CONSTRUCTION

**PLUMBING PARTIAL
SECOND FLOOR
SANITARY & VENT PLAN -
AREA B**

P2.2B

8/8/2022 9:23:21 AM

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1	07/22/22	ADDENDUM #1
	08/08/22	ISSUED FOR CONSTRUCTION

B

PREPARED BY:	CHECKED BY:	REVIEWED BY:
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FOR CONSTRUCTION

**PLUMBING PARTIAL
RD FLOOR SANITARY &
VENT PLAN - AREA A**

2.3A



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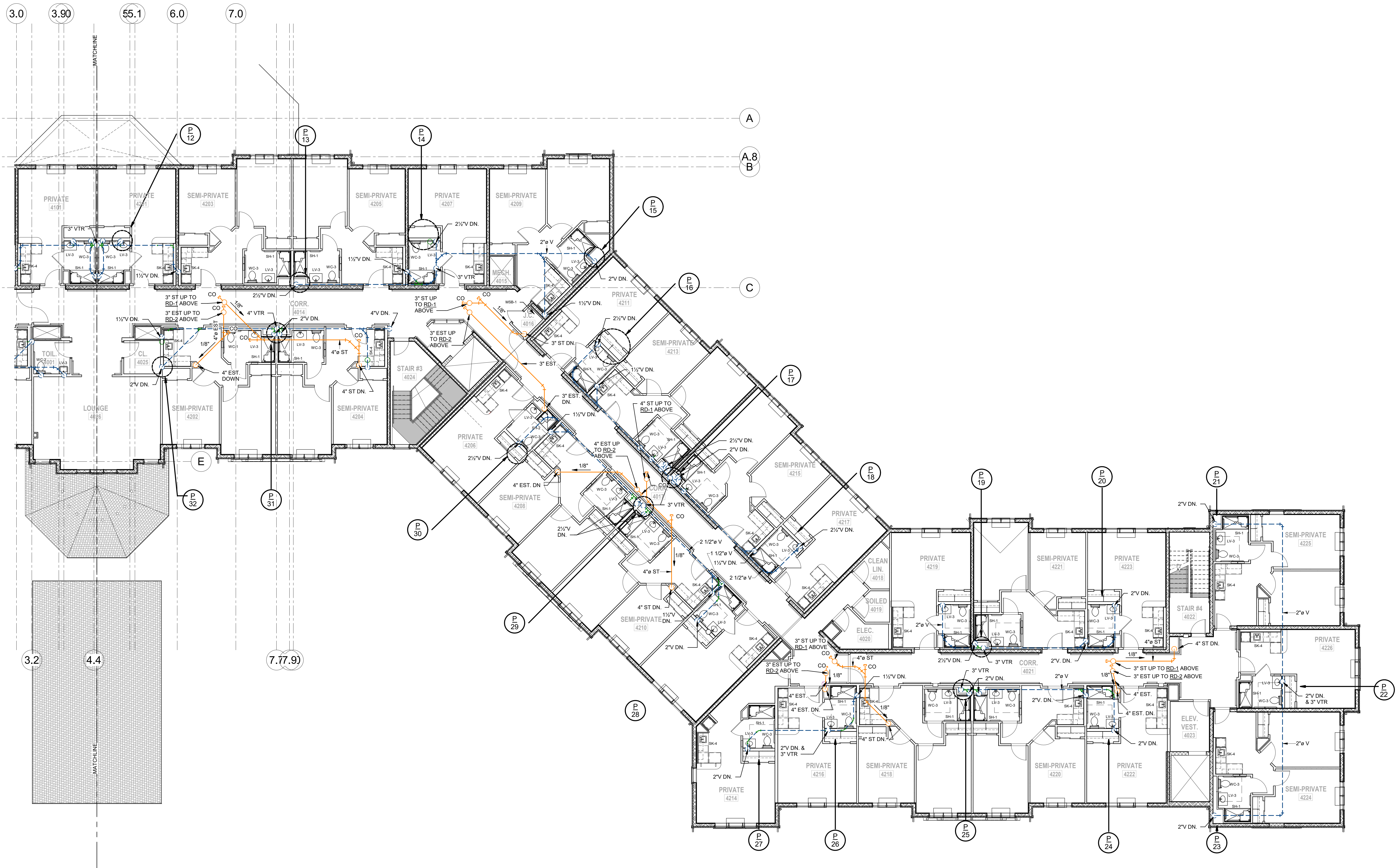
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STATUS	FOR CONSTRUCTION
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SHEET TITLE

**PLUMBING PARTIAL
THIRD FLOOR SANITARY &
VENT PLAN - AREA B**

DRAWING No. **P2.3B**



1 PLUMBING THIRD FLOOR SANITARY & VENT PLAN - PART B 
SCALE: 1/8" = 1'-0"

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FELLENZER III
ENGINEERING LLP

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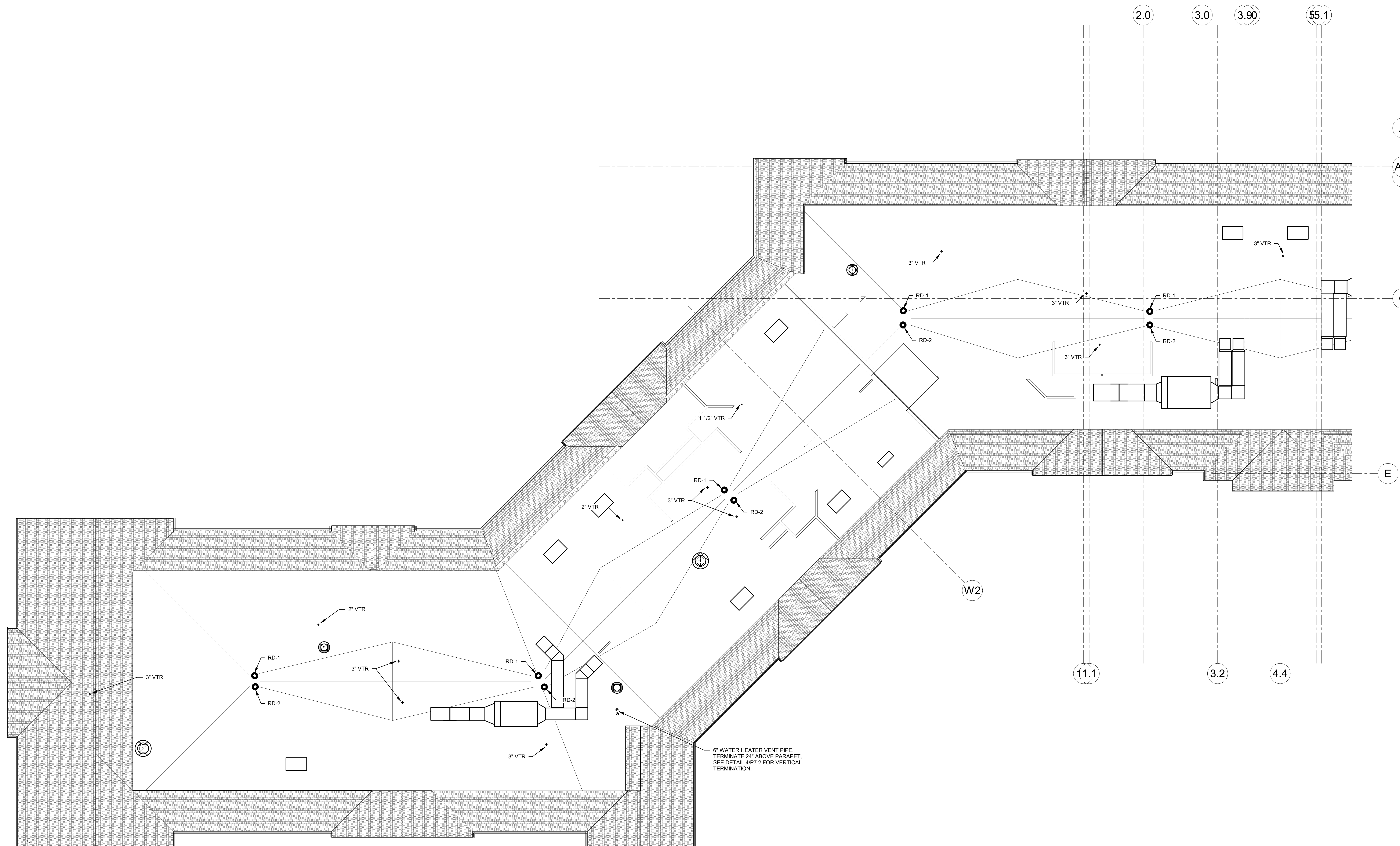
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PLUMBING ROOF PLAN - AREA A

P4.1A



1 PLUMBING SANITARY ROOF PLAN - PART A
SCALE: 1/8" = 1'-0"

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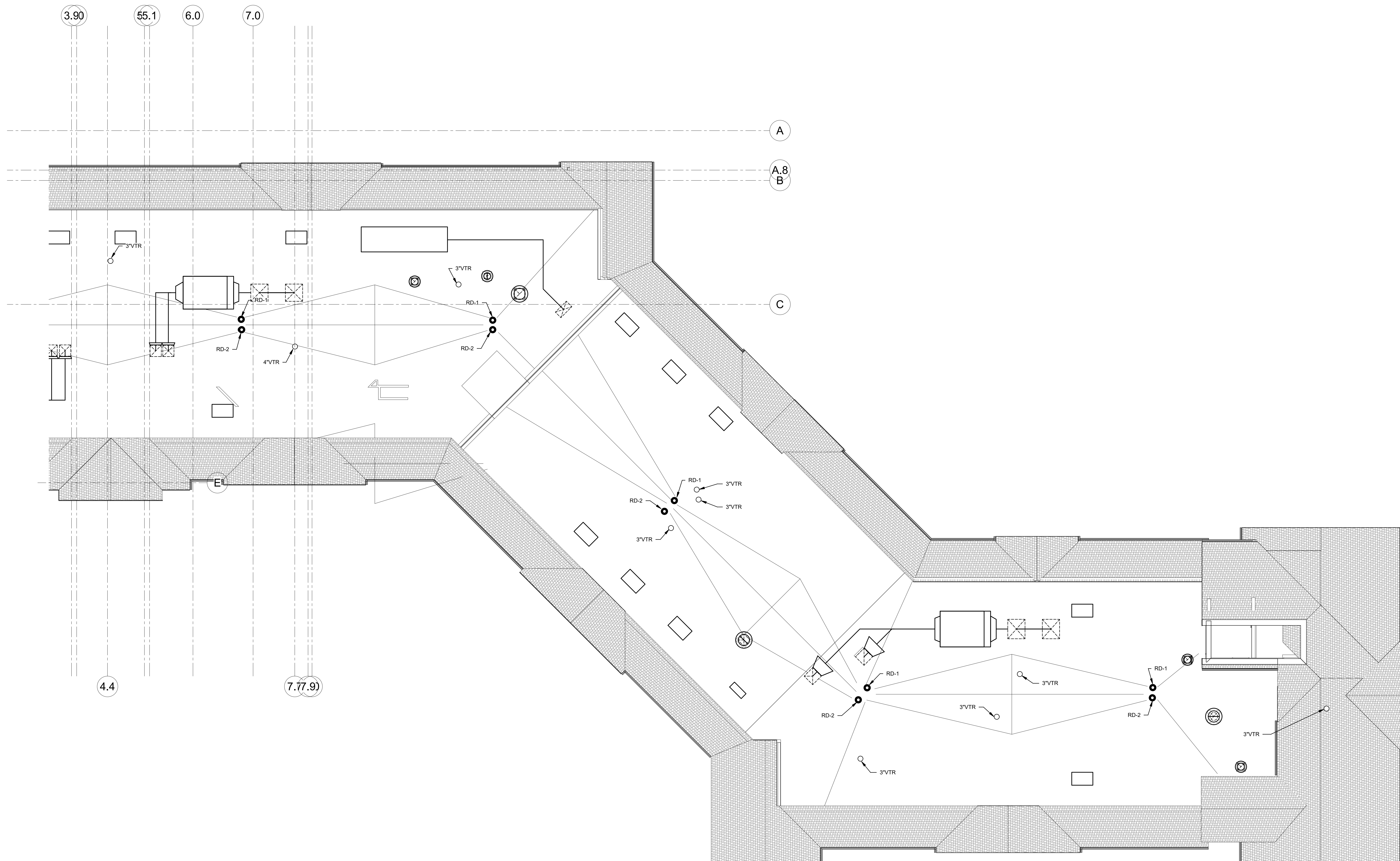
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SHEET TITLE

**PLUMBING ROOF PLAN -
AREA B**

DRAWING No. **P4.1B**



1 PLUMBING SANITARY ROOF PLAN - PART B
SCALE: 1/8" = 1'-0"





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SHEET TITLE

**PLUMBING:
DOMESTIC WATER SUPPLY
RISER DIAGRAMS**

DRAWING No. **P6.03**





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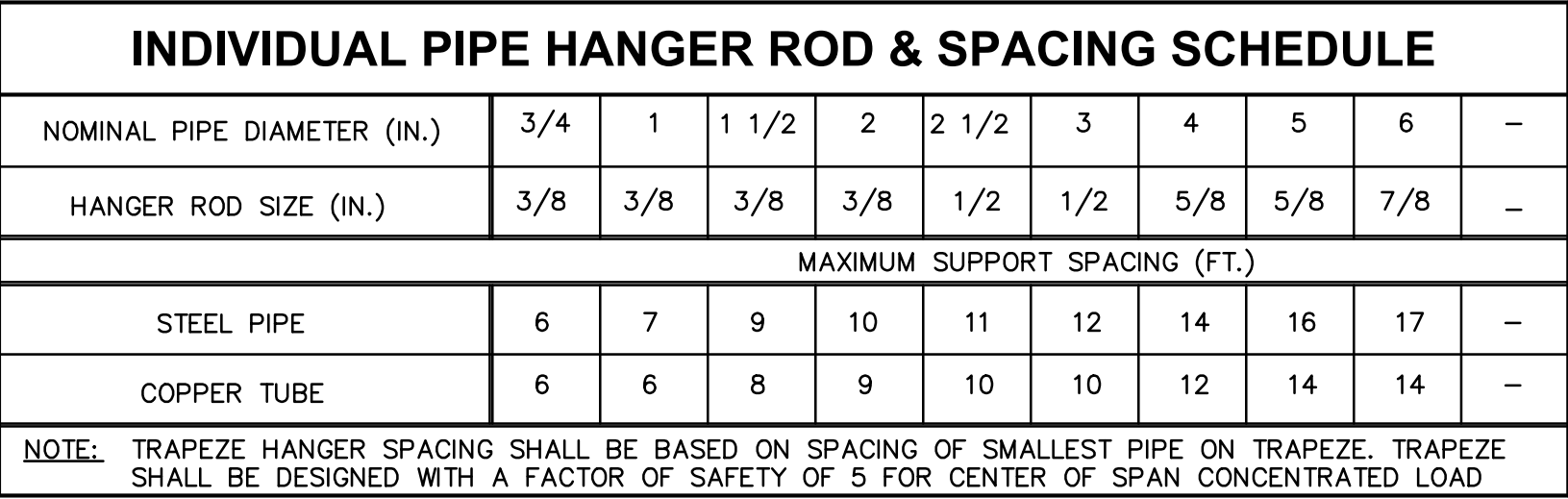
DRAWING No.	SHEET No. /
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SHEET No. _____

OF _____







SIZE OF LEGEND LETTERS					
OUTSIDE DIAMETER OF PIPE OR COVERING		LENGTH OF COLOR FIELD A		SIZE OF LETTERS B	
INCHES	MM	INCHES	MM	INCHES	MM
¾" TO 1¼"	19 TO 32	8"	200	½"	13
1½" TO 2"	38 TO 51	8"	200	¾"	19
2½" TO 6"	64 TO 150	12"	300	1¼"	32

2 TYPICAL PIPE IDENTIFICATION DETAIL
N.T.S.

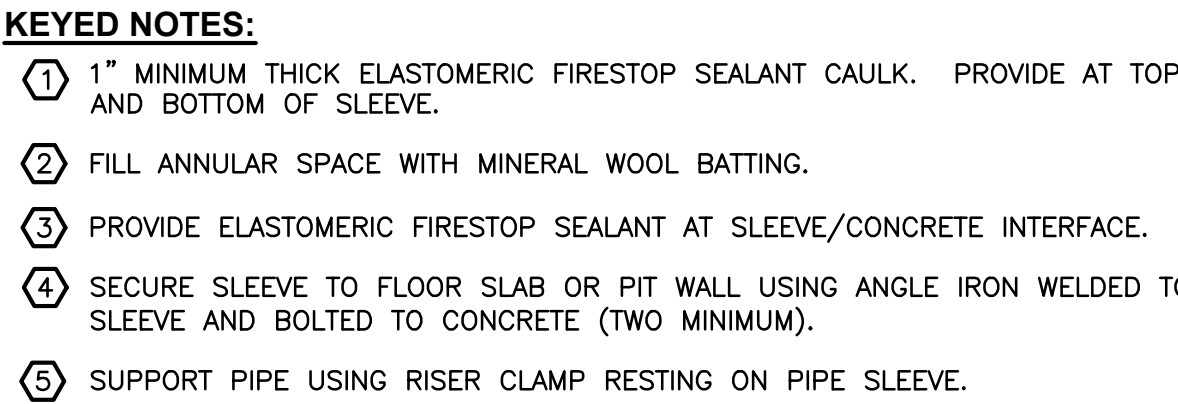


Diagram illustrating the roof drain system components and connections:

- ROOF DRAIN
- ROOF DECK
- CEILING
- INSULATE ABOVE CEILING
- STORM LEADER
- FLOOR
- CLEANOUT TEE WITH PLUG
- LONG SWEEP BEND
- COLUMN
- COLUMN FOOTING

Diagram illustrating the wall penetration assembly for a pipe. The assembly includes the following components:

- INTERIOR WALL
- 3M FS-195 WRAP/STRIP AND 25 CAULK TO MAINTAIN FIRE RATING
- PIPE & INSULATION (WHERE APPLICABLE)
- WALL CONSTRUCTION
- SHEET METAL SLEEVE
- STAINLESS STEEL ESCUTCHEON PLATE IN FINISHED AREAS ONLY

Diagram illustrating the connection between a floor cover and a waste line. The diagram shows a cross-section of a floor with a cover. A cleanout assembly is installed through the floor, consisting of a 1/8" C.I. Bend, a C.I. Waste Line (length to suit), and another 1/8" Bend. The top of the cover is flush with the top of the floor. The cleanout assembly is connected to the waste line, which is shown with a 1/8" Bend at the end of the line.

- CLEANOUT AND ACCESS COVER.
- TOP OF COVER TO BE FLUSH WITH TOP OF FLOOR.
- FLOOR LINE.
- FLOOR.
- 1/8" C.I. BEND.
- C.I. WASTE LINE. LENGTH TO SUIT.
- 1/8" BEND IF CLEANOUT OCCURS AT END OF LINE.

Diagram illustrating the construction details for a concrete slab with equipment. The slab is shown with a chamfer at the corners, a height as indicated, and a width of 6". The slab is supported by equipment. Reinforcement includes 1/2" diameter rebars and 1/2" diameter dowels spaced 4'-0" on center (O.C.) within the slab. The slab is shown resting on a floor slab.

A detailed cross-sectional diagram of a roof drain assembly. The central component is a drain body with a conical top and a vertical pipe extending downwards, labeled 'CONDUCTOR PIPE'. The drain body is mounted on a 'CLAMPING COLLAR & GRAVEL GUARD' which sits on an 'UNDER DECK CLAMP'. The entire assembly is supported by a 'CONCRETE OR METAL DECK'. The roof surface is composed of several layers: 'RIGID INSUL.' (rigid insulation), 'VAPOR BARRIER', 'BUILT UP ROOFING', and '2 PLYS IN HOT BITUMENS OVER LEAD FLASHING'. A 'SUMP RECEIVER' is located on the left side of the drain. A 'ROOF DRAIN' is indicated on the right side of the drain body. A dimension line at the top indicates a 'CUT BACK RIGID INSUL. 2'-6"'. The diagram shows the integration of the drain with the roof's waterproofing and structural layers.

Diagram illustrating the cross-section of a trench backfill structure:

- CONCRETE SLAB ON GRADE**: The top layer of the structure.
- SELECT BACKFILL MATERIAL, FREE OF ROCKS & DEBRIS**: The upper layer of backfill, indicated by diagonal hatching.
- CLEAN SAND TAMPED IN 6" LIFTS**: The lower layer of backfill, indicated by stippling.
- BLOCKING NOT PERMITTED FOR PIPE SUPPORT**: A note indicating that the backfill should support the pipe directly.
- BOTTOM OF TRENCH SHALL BE FREE OF ROCKS AND DEBRIS**: A note indicating the condition of the trench bottom.
- Dimensions**:
 - The upper backfill layer is **12" MIN.** thick.
 - The lower sand layer is **6" MIN.** thick.
 - The bottom of the trench is **12" MIN.** wide on either side of the pipe.

Diagram illustrating a sanitary vent system configuration. The system includes an existing wall, a concrete floor slab, and a horizontal sanitary pipe. The vent is routed inside the wall up to the ceiling. The distance from the wall to the horizontal pipe is labeled d . The horizontal pipe is labeled "HORIZONTAL SANITARY PIPE" and the vertical section is labeled "SANITARY VENT". The distance from the horizontal pipe to the invert is labeled a . The invert level is indicated by a dashed line labeled "INVERT".

120V RECEPTACLE BY E.C.

POWER FEED

JUNCTION BOX

GATE VALVE

POWER CABLE, PROBE CABLE & FLOAT CABLES

HOISTWAY FLOOR

STEEL GRATE, FLUSH WITH HOISTWAY FLOOR

FLOOR

2" DISCHARGE

HIGH LEVEL FLOAT

HOISTWAY SUMP PIT, MIN. PIT SIZE: 24"x24"x24"

CHECK VALVE

PUMP ON FLOAT

SUBMERSIBLE EFFLUENT PUMP

INSTALL "OIL-MINDER" CONTROL PANEL IN BASEMENT HALLWAY

MULTI-PIN CONNECTOR & CORD IN EMT CONDUIT.

SYSTEM TO INCLUDE:

1. OIL-MINDER CONTROL SYSTEM.
2. AUDIBLE AND VISUAL ALARM.
3. JUNCTION BOX WITH MULTI-PIN CONNECTOR.

Diagram illustrating the components of a hanger assembly:

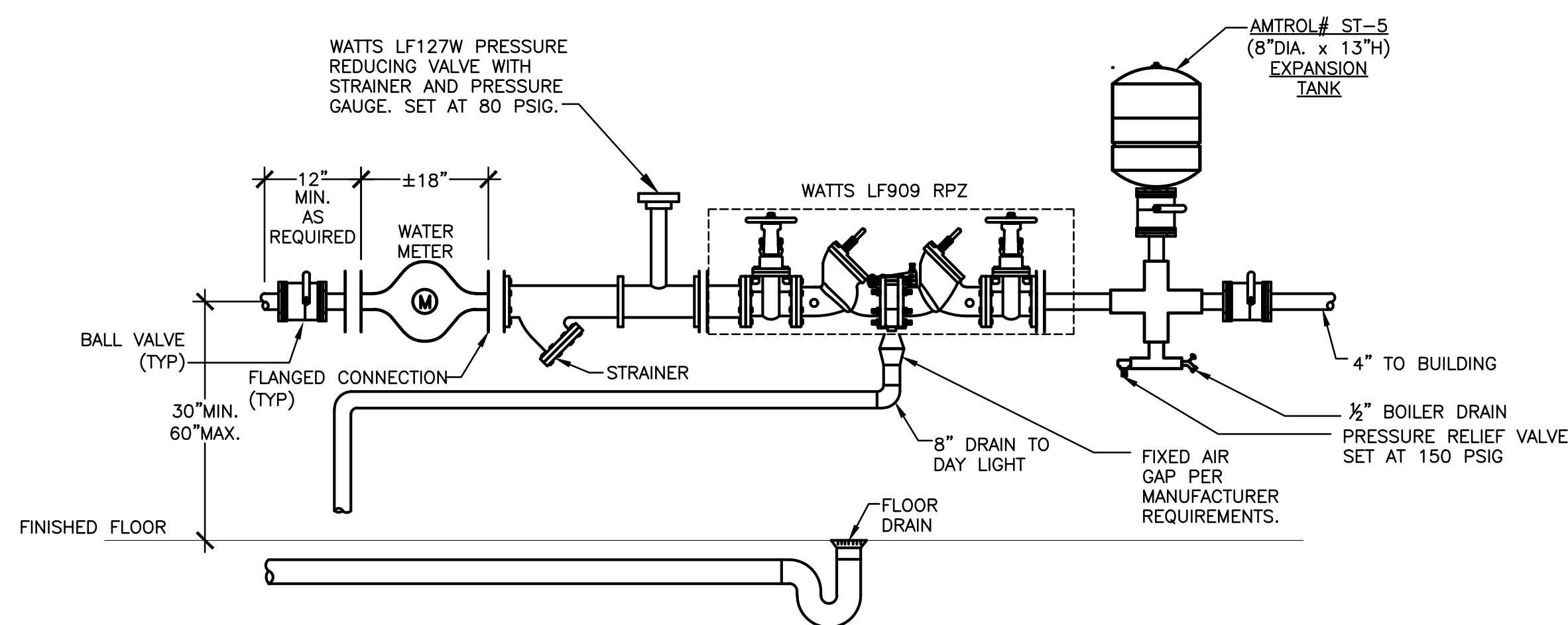
- $\frac{3}{8}$ " CONCRETE ANCHOR (HILTI OR EQUAL)
- ALL THREAD ROD
- ADJUSTABLE RING HANGER

The diagram illustrates the installation of the A.O. Smith CN4-2000 Condensate Neutralizing Kit. It shows a vertical pipe on the left with an arrow pointing down labeled "CONDENSATE FROM WATER HEATER". A "HOSE CLIP" is used to attach a "HOSE" to the side of this pipe. The hose leads to the "A.O. SMITH CN4-2000 CONDENSATE NEUTRALIZING KIT", which is a horizontal cylindrical unit. The kit has "UNIONS" on its right side, which are connected to an "NPT TO TUBING ADAPTOR". An arrow points away from the adaptor labeled "NEUTRALIZED CONDENSATE OUT TO DRAIN".

HOT WATER HEATER SCHEDULE												
UNIT NO.	SERVICE	LOCATION	MANUF. & MODEL #	TANK CAPACITY	RATING MBH	EFF. (%)	APPROX. WEIGHT	FLUE SIZE (IN)	FUEL (TYPE)	GAS LINE CONN.	SIZE (DIA & HEIGHT)	REMARKS
					INPUT							
WH-1	DOMESTIC HOT WATER	BASEMENT WATER HEATER RM (1014)	A.O. SMITH CYCLONE XL BTHS-1000A	120 GALLONS	1,000	97%	1,300 LBS	6	N. GAS	2"NPT	3/4"x73"	QUANTITY = 2

NOTES:

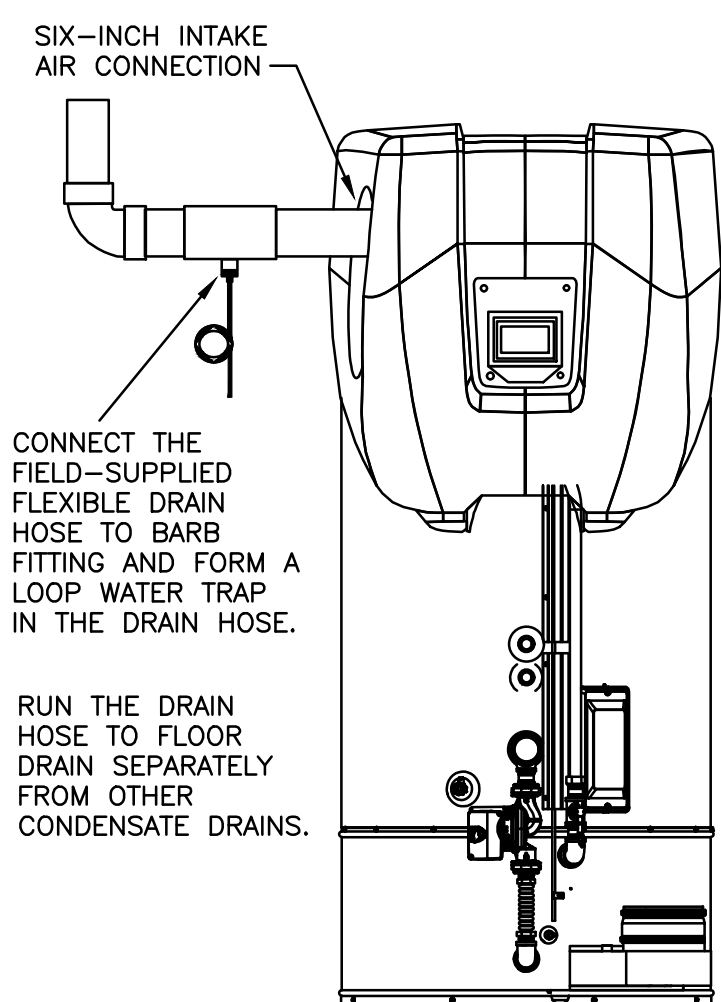
1. PROVIDE WITH FLEX. GAS PIPE CONNECTION.
2. NATURAL GAS PRESSURE 3.5" W.C. TO 14" W.C. MAXIMUM
3. PROVIDE WITH CONDENSATE NEUTRALIZATION KIT FOR EACH WATER HEATER.



- NOTES:

1. PROVIDE 18" MINIMUM BETWEEN BOTTOM OF RELIEF VALVE AND FLOOR.
2. PROVIDE 12" MINIMUM CLEAR SPACE ABOVE ASSEMBLY TO ALLOW FOR SERVICING OF CHECK VALVE.
3. PROVIDE A MINIMUM OF 30" CLEAR SPACE BETWEEN THE FRONT SIDE OF ALL BFP AND NEAREST WALL OR OBSTRUCTION.
4. PROVIDE 12" CLEARANCE FROM BACK SIDE OF DEVICE TO NEAREST WALL.

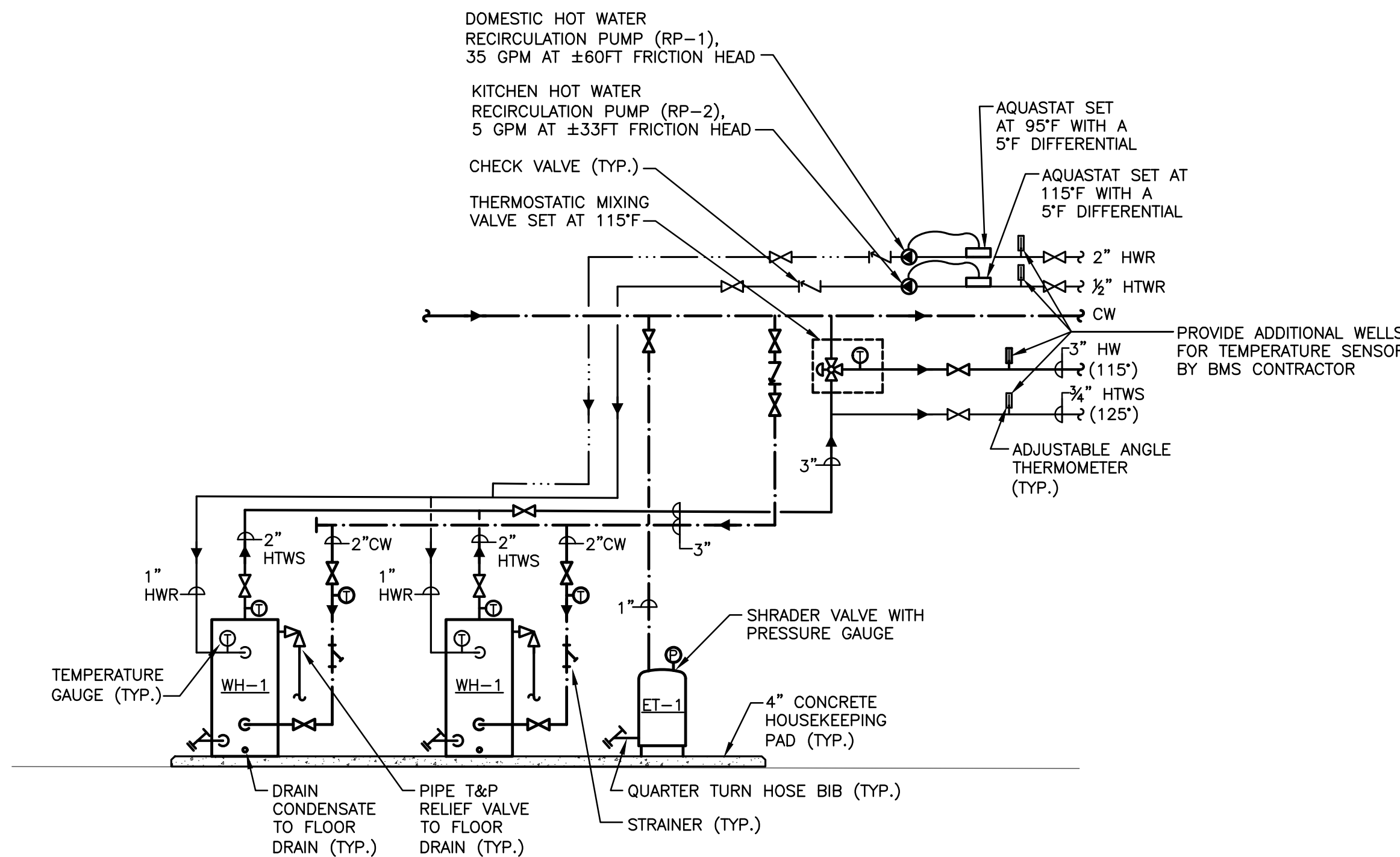
1 4" WATER SERVICE WITH RPZ BACKFLOW PREVENTER
N.T.S.



NOTE:

1. ON FLAT ROOF INSTALLATIONS THE VENT TERMINATION MUST BE A MINIMUM OF 24 INCHES (60 CM) ABOVE ANY PARAPET, VERTICAL WALL, OR STRUCTURE WITHIN 10 FEET (3 M) HORIZONTALLY. SEE FIGURE 17 (PAGE 24).

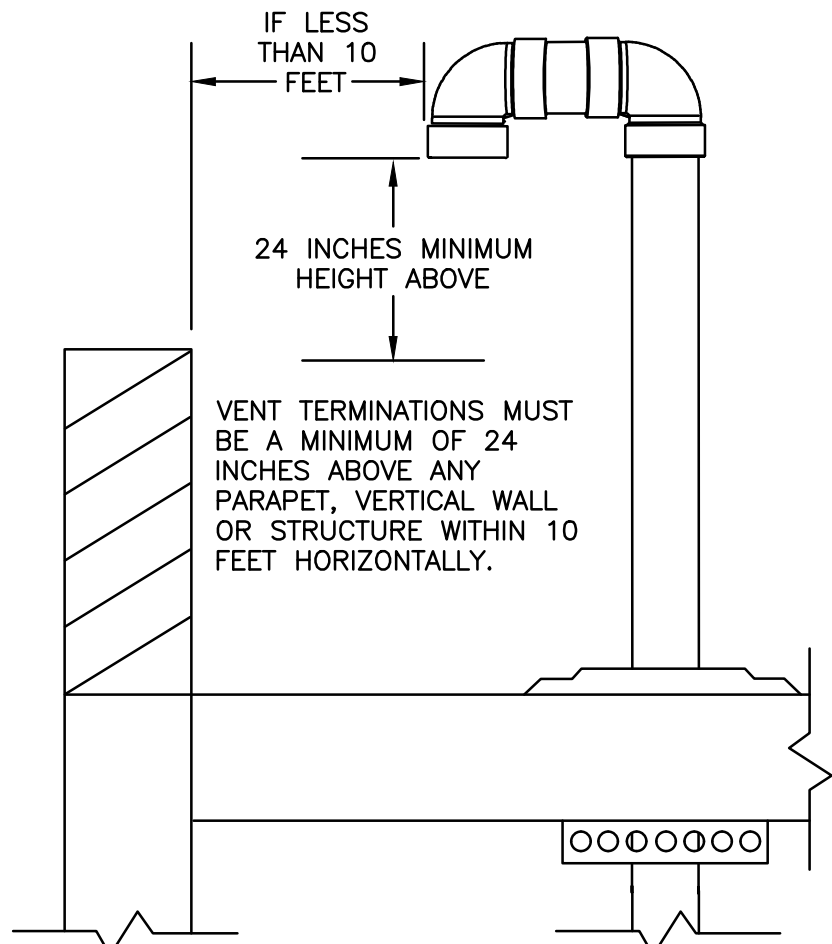
3 INTAKE AIR CONDENSATE TEE DETAIL



GENERAL NOTE:

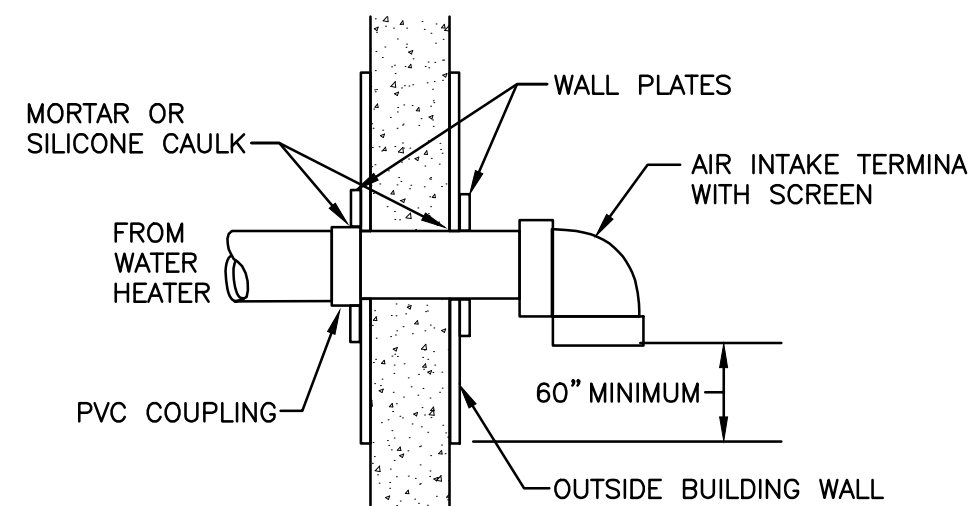
1. REFER TO FLOOR PLAN FOR PIPE SIZES OF HOT WATER RISERS TO EACH ZONE.

2 DOMESTIC WATER HEATING SCHEMATIC

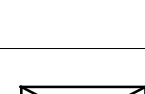


VERTICAL EXHAUST PIPE

4 **TERMINATION CLEARANCE DETAIL**
N.T.S.



5 **SIDEWALL TERMINATION DETAIL**
N.T.S.

SCHEDULE OF PLUMBING EQUIPMENT			
SYMBOL	MFR.	MODEL	DESCRIPTION
 WC-1	KOHLER	K-4302	FLOOR MOUNT WATER CLOSET, ELONGATED BOWL, 1 1/2" TOP SPUD, WHITE VITREOUS CHINA, 1.6 GPF. SEAT TO BE KOHLER MODEL #K-4666-CA, SOLID POLYPROPYLENE PLASTIC, ELONGATED, OPEN FROM WITH CHECK HINGE, ANTI-MICROBIAL AGENT, LESS COVER. USE WITH SLOAN FLUSHMETER MODEL #8111-1.6/1.1.
 WC-2	KOHLER	K-4302	SAME AS "WC-1" ABOVE, EXCEPT INSTALL PER ADA REQUIREMENTS.
 WC-3	GERBER	21-818	"AVALANCHE" ERGOHEIGHT FLOOR MOUNT WATER CLOSET, ELONGATED BOWL, WHITE VITREOUS CHINA, 1.6 GPF, ADA COMPLIANT, COLOR TO BE WHITE.
 U-1	KOLHER	K-4960-ET	"BARDON SUPERIOR" URINAL, VITREOUS CHINA, 1.0 GPF, WASHOUT FLUSH ACTION, ADA COMPLIANT. COLOR TO BE WHITE. USE WITH SLOAN ROYAL FLUSH VALVE MODEL # 186-1(TOP SPUD).
 U-2	KOLHER	K-4960-ET	SAME AS "U-1" ABOVE EXCEPT INSTALL PER ADA REQUIREMENTS.
 LV-1	GERBER	-	"MONTICELLO II" BACKSPASH, WALL HUNG LAVATORY, 20" X 18" VITREOUS CHINA, COLOR TO BE WHITE. ADA COMPLIANT. USE WITH MOEN LAVATORY FAUCET MODEL #L4621.
 LV-2	KOLHER	K-2195	"PENNINGTON" LAVATORY, VITREOUS CHINA 20 1/4" X 17 1/4" SELF-RIMMING, 4" CENTERS, COLOR TO BE WHITE. USE WITH MOEN LAVATORY FAUCET MODEL #L4621.
 LV-3	RYNONE	-	ONE PIECE CULTURED MARBLE COUNTERTOP AND BACKSPASH WITH INTEGRAL ADA STANDARD OVAL SINK. USE WITH MOEN LAVATORY FAUCET MODEL #L4621.
 SH-1	LASCO/ AQUATIC	1623BFSTD	GEL COAT MATERIAL, SMOOTH TILE WALL FINISH, L-SHAPED GRAB BAR, L-SHAPED FOLD-UP SEAT. 60" X 30" X 74 7/8". ADA/ANSI COMPLIANT.
 SH-2	LASCO/ AQUATIC	1363BFSD	GEL COAT MATERIAL, SMOOTH WALL FINISH, GRAB BARS HAND-HELD SHOWER ASSEMBLY, FOLD-UP SEAT, 36"x36"x75%". ADA/ANSI COMPLIANT.
 SK-1	ELKAY	LRAD1316	"LUSTERTONE" SINGLE BOWL SINK, SEAMLESSLY FORMED OF #18 GAUGE, TYPE 304 (18-8) NICKEL BEARING STAINLESS STEEL. SELF-RIMMING,13"x16" OVERALL, ADA COMPLIANT. USE WITH ELKAY FAUCET LK406.
 SK-2	ELKAY	LRAD2219	"LUSTERTONE" SINGLE BOWL SINK, SEAMLESSLY FORMED OF #18 GAUGE, TYPE 304 (18-8) NICKEL BEARING STAINLESS STEEL. SELF RIMMING, 22" X 19 1/2" OVERALL, ANSI A112.19.SM COMPLIANT USE WITH ELKAY FAUCET LK4E160.
 SK-3	ELKAY	LRAD2521	"LUSTERTONE" SINGLE BOWL SINK, 25" X 21 1/2", SELF-RIMMING, SEEMLESSLY FORMED OF #18 GAUGE, TYPE 304 (18-8) NICKEL BEARING STAINLESS STEEL, COMPLIES WITH ANSI A112.19.SM. USE WITH ELKAY FAUCET LK4E160.
 SK-4	ELKAY	BCR15	"CELEBRITY" SINGLE BOWL SINK, SEAMLESSLY FORMED OF #20 GAUGE, TYPE 304 (18-8) NICKEL BEARING STAINLESS STEEL. SELF-RIMMING,15"x15" OVERALL. USE WITH ELKAY FAUCET LK406.
 SK-5	KOHLER	K-1997	"BRENHAM" WALL MOUNT LAVATORY, VITREOUS CHINA WITH HANGER AND OVERFLOW, COLOR TO BE WHITE. USE WITH MOEN FAUCET MODEL # L4621.
 SK-6	PIBBS	5300	PORCELAIN, WALL MOUNT SHAMPOO BOWL. COMES WITH AMERICAN STANDARD PLUMBING FIXTURES WITH SPRAYER HOSE, HANGING BRACKET, AND STANDARD DRAINS. 19" X 20" X 11 1/2". COLOR TO BE BLACK
 MSB-1	FIAT	MSB2424	MOLDED STONE MOP SINK BASIN 24"x24". USE WITH GRID STRAINER, 2" OUTLET, #A880 WALL SERVICE FAUCET AND ALL NECESSARY HARDWARE TO COMPLETE INSTALLATION.
 FD-1	ZURN	Z415B	FLOOR AND SHOWER DRAIN, DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPADE SLOTS AND "TYPE B" POLISHED NICKEL BRONZE, LIGHT DUTY STRAINER.
 FD-2	ZURN	Z503	HEAVY-DUTY AREA DRAIN, DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION MEMBRANE FLASHING FLASHING CLAMP AND FRAME FOR HEAVY DUTY ANTI-TILT SLOTTED GRATE. PROVIDE ALL ADDITIONAL HARDWARE REQUIRED FOR A COMPLETE INSTALLATION.
 FCO	ZURN	Z1400	"LEVEL-TROL" ADJUSTABLE FLOOR CLEANOUT, DURA-COATED CAST IRON BODY WITH GAS AND WATERIGHT ABS TAPERED THREAD PLUG AND ROUND SCORIATED CAST IRON HEAVY DUTY SECURED TOP.
 RD-1, RD-2	ZURN	Z165	8-3/8" (213) ROOF DRAIN AND OVERFLOW DRAIN, DURA-COATED CAST IRON BODIES WITH COMBINATION MEMBRANE FLASHING CLAMP/ GRAVEL GUARDS, DOUBLE TOP-SET DECK PLATE, AND LOW SILHOUETTE CAST IRON DOWNS.
 HB	NIBCO	-	STANDARD HOSE BIBB
 FNWH	ZURN	Z1315	EXPOSED, NON FREEZE WALL HYDRANT, WITH BRONZE CASING, ALL BRONZE INTERIOR PARTS, NON-TURNING OPERATING ROD WITH FREE-FLOATING COMPRESSION CLOSURE VALVE, REPLACEABLE BRONZE SEAT AND SEAT WASHER, AND COMBINATION 3/4" FEMALE OR 1" MALE STRAIGHT IN INLET. COMPLETE WITH OPERATING KEY.
 LT-1	FIAT	FLTD II	FLOOR MOUNTED MOLDED STONE TWIN LAUNDRY TUB 40"x24". FURNISH WITH 2727901100 HARDWARE PACKAGE AND A1 CHROME PLATED, METAL CONSTRUCTED FAUCET, AND ALL NECESSARY HARDWARE FOR A COMPLETE INSTALLATION.

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PROJECT No: FILB 1501	DATE: 11/15/19	SCALE: AS SHOWN	

CLIENT

**Montebello Realty
GP LLC**

**Braemar at Montebello Assisted
Living Residence**

**Montebello Crossing,
250 Lafayette Avenue
(Route 59)
Village of Montebello
New York**

CONTRACT

FOR CONSTRUCTION

SHEET TITLE

PLUMBING: SCHEDULES & DETAILS

DRAWING NO.

P8.1

SHEET No.

OF

FIRE PROTECTION SYSTEM NOTES:

1. THE INTENT OF THESE DRAWINGS IS TO PROVIDE A COMPLETE & OPERATIVE SPRINKLER SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES AS REQUIRED. THIS CONTRACTOR SHALL MEET THE INTENT OF THE PLANS & SPECIFICATIONS AS WELL AS THE ACCOMPANYING DOCUMENTS. THIS CONTRACTOR SHALL PROVIDE ALL ADDITIONAL MATERIAL & LABOR NOT SPECIFICALLY LISTED OR DIRECTED WHICH MAY BE REQUIRED TO MEET THE INTENT OF THE PLANS & SPECIFICATIONS FOR A COMPLETE AND OPERABLE SYSTEM.
2. IT IS THIS CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE ALL CUTTING, PATCHING, BOXING, PRIME AND FINISH WORK REQUIRED TO COMPLETE THE INSTALLATION. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
 - A. WATER FLOW & PRESSURE TESTING OF AVAILABLE WATER SUPPLY SYSTEM.
 - B. PIPE SIZING VIA THE HYDRAULIC PIPE SIZE METHOD PER NFPA-13.
 - C. THE INSTALLATION OF ALL PIPING AND COORDINATION OF WORK WITH OTHER SUB-CONTRACTORS.
 - D. INSPECTION & TESTING OF ALL PIPING & DEVICES, OBTAINING APPROVALS & PAYING OF ALL FEES AS REQUIRED FOR THE SYSTEM INSTALLATION & APPROVALS.
 - E. ONE YEAR GUARANTEE ON MATERIAL & WORKMANSHIP. COMPLETE WRITING INSTRUCTIONS INCLUDING MAINTENANCE & TESTING INSTRUCTIONS (POSTED IN SPRINKLER CONTROL AREA).
3. DO NOT PIERCE ANY STRUCTURAL MEMBER.
4. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PIPING WITH THE BUILDING STRUCTURE, AS WELL AS WITH OTHER TRADES DURING CONSTRUCTION. SEE PLANS FOR ADDITIONAL REQUIREMENTS. CONTRACTOR SHALL OBTAIN APPROVAL & COORDINATE WITH THE LOCAL AUTHORITY HAVING JURISDICTION.
5. ALL SPRINKLER DISTRIBUTION PIPING DOWNSTREAM OF THE RESIDENTIAL RISER ASSEMBLY SHALL BE CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPE, MEETING THE STANDARDS OF ASTM F 442. NON-METALLIC FITTINGS SHALL BE RATED FOR 175 PSI @ 70°F.
6. THE SPRINKLER SYSTEM SUB-CONTRACTOR AND THE FIRE ALARM SYSTEM SUB-CONTRACTOR SHALL COORDINATE THE SYSTEM WITH THE FIRE DEPARTMENT AND OBTAIN ALL APPROVALS AND PAY ALL FEES.
7. SUPERVISORY SWITCHES AND FLOW SWITCHES TO BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. CONNECTIONS TO BUILDING FIRE ALARM SYSTEM BY FIRE ALARM CONTRACTOR.
8. SPRINKLER CONTRACTOR SHALL PROVIDE ENGINEER WITH SIGNED & SEALED HYDRAULIC CALCULATIONS AND PIPE LAYOUT FOR REVIEW AND APPROVAL.
9. CONTRACTOR SHALL SEAL ALL PIPE PENETRATIONS THROUGH RAISED WALLS AND CEILINGS WITH INTUMESCENT TYPE FIRE SEALANT CAULK. PROVIDE ESCUTCHEONS AT ALL PENETRATIONS IN FINISHED AREAS.
10. IN GENERAL, SPRINKLERS SHALL BE ARRANGED FOR A EXTENSIVE COVERAGE AS SHOWN ON PLANS WHILE AVOIDING LIGHTS, DIFFUSERS, ETC. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS PIPING AND SPRINKLERS FOR PROPER COVERAGE IN EACH AREA. AAD SPRINKLERS AS REQUIRED FOR PROPER COVERAGE AS DICTATED BY ACTUAL FIELD CONDITIONS.
11. ALL FIRE PROTECTION SYSTEMS PROVIDED SHALL BE U.L. LISTED AND F.M. APPROVED AS APPLICABLE.
12. CONTRACTOR SHALL PROVIDE AND INSTALL ALL COMPONENTS INDICATED ON DETAIL SHEETS, PLANS, SPECIFICATIONS AND ALL PERTINENT EQUIPMENT REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM.
13. CONTRACT CLOSE OUT: IN THE PRESENCE OF THE OWNER, ENGINEER OR ARCHITECT; DEMONSTRATING OPERATION OF SYSTEMS AND THAT ALL SPECIFICATIONS HAVE BEEN MET TO THE SATISFACTION OF ALL PARTIES.
14. IT IS THE INTENTION THAT THESE SPECIFICATIONS, AND DRAWINGS ACCOMPANYING SAME, SHALL PROVIDE FOR THE FURNISHING AND INSTALLING OF THE FIRE PROTECTION SYSTEMS COMPLETE AS SPECIFIED AND SHOWN. ANY WORK SHOWN ON WORK NOT SPECIFICALLY PARTICULARLY DESCRIBED IN THE SPECIFICATIONS OR VICE VERSA, OR ANY WORK CHANGES WHICH MAY BE EVIDENTLY NECESSARY TO COMPLETE THE INSTALLATION SHALL BE FURNISHED BY THIS CONTRACTOR.
15. IT IS THE INTENT AND PURPOSE OF THESE SPECIFICATIONS AND DRAWINGS TO INCLUDE AND PROVIDE FOR ALL MATERIALS, APPLIANCES AND LABOR TO PROPERLY COMPLETE AND LEAVE IN PERFECT WORKING CONDITION THE ENTIRE SYSTEM HEREINAFTER SPECIFIED, ANY MATERIAL, LABOR OR APPLIANCE NOT SPECIFICALLY MENTIONED IN THESE SPECIFICATIONS OR SHOWN ON THE DRAWINGS, BUT NECESSARY FOR A COMPLETE INSTALLATION MUST BE FURNISHED BY THIS CONTRACTOR.
16. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE



NOTES:

2. PROVIDE PIPE SUPPORTS FOR DUAL CHECK
DETECTOR ASSEMBLY AS REQUIRED.



- 4 BACKFLOW PREVENTER DETAIL**
N.T.S.



VALVE SYMBOLS

	OS&Y GATE VALVE
	OS&Y WITH TAMPER SWITCH
	OS&Y WITH TAMPER SWITCH
	GATE VALVE WITH 3/4" HOSE ADAPTER
	CHECK VALVE
	FLEXIBLE CONNECTION
	BALL VALVE

FIRE PROTECTION LINE TYPES

--- or ----	EXISTING SPRINKLER PIPE TO BE REMOVED
_____	EXISTING SPRINKLER PIPE TO REMAIN
—————	NEW SPRINKLER PIPE

<u>GENERAL SYMBOLS</u>	
	POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
	POINT OF DISCONNECT
	INDICATES SECTION LETTER
	INDICATES DRAWING NUMBER WHERE LOCATED
	FIRE HOSE SIAMESE CONNECTION
	FIRE HYDRANT
	FIRE PUMP MOTOR
	PENDANT SPRINKLER HEAD
	SIDE WALL SPRINKLER HEAD
	UPRIGHT SPRINKLER HEAD

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(Route 59)
Village of Montebello
New York**

FOR CONSTRUCTION

**FIRE PROTECTION:
SYMBOLS, ABBREVIATIONS
& NOTES**

FP0.1

MARK	DATE	DESCRIPTION
	01/24/20	FINAL BID / PERMIT
	04/15/22	90% V.E. SUBMISSION
	06/03/22	ISSUE FOR BID
1	07/22/22	ADDENDUM #1
	08/08/22	ISSUED FOR CONSTRUCTION

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PMC	SRB	EDF	
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Village of Montebello
New York

CONTRACT

STATUS

FOR CONSTRUCTION

SHEET TITLE

FIRE PROTECTION
PARTIAL BASEMENT RCP
PLAN - AREA A

DRAWING No.

FP2.0A

SHEET No.

OF



1 FIRE PROTECTION BASEMENT FLOOR RCP PLAN - AREA A
SCALE: 1/8" = 1'-0"