

WATER HEATER SCHEDULE						
SYMBOL	LOCATION/ MODEL NO.	STORAGE CAPACITY GALLONS	GPH REC./TEMP. RISE*	OUTLET TEMPERATURE	ELECTRICAL CRITERIA KW INPUT	NOTES
EWH-1	UNDER KITCHEN SINK (SEE PLAN) / CHRONOMITE #ER-90U/277_24900	INSTANT	1.5 GPM/70"	120°F	24.9	7, 8
EWH-2	GUARDHOUSE TOILET / CHRONOMITE #CM-15L/208-ADJ	INSTANT	0.35 GPM/61"	104°F	3.12	7, 8
EWH-3	OFFICE JANITOR ROOM /A.O. SMITH #DSE-80	80	61/80"	125°F	12.0	1-7
EWH-4	SAFETY SHOWER AREA/ EEMAX #AP108480-EFD-N4-FDS	INSTANT	23 GPM/32"	85°F	108	7, 8
EWH-5	JANITOR ROOM / A.O. SMITH #DEL-20	20	23/80"	125°F	4.5	1-7
EWH-6	JANITOR ROOM / A.O. SMITH #DSE-80	80	31/80"	125°F	6	1-7
EWH-7	JANITOR ROOM / A.O. SMITH #DSE-80	80	46/80"	125°F	9.0	1-7
EWH-8	JANITOR ROOM / A.O. SMITH # DEL-10	10	23/80"	125°F	4.5	1-7
EWH-9	TRUCKER TOILET / CHRONOMITE #CM-15L/277-ADJ	INSTANT	0.35 GPM/61"	104°F	4.15	7, 8
NOTES: 1. PROVIDE T&P RELIEF VALVE AND VACUUM RELIEF VALVE 2. PROVIDE GATE/BALL VALVES WITH UNIONS AND DIELECTRIC FITTINGS ON WATER INLET AND OUTLET CONNECTIONS. 3. ALL UNITS SHALL MEET ASHRAE 90.1 AND ALL LOCAL CODE REQUIREMENTS. ALL GAS FIRED UNITS SHALL BE ASCA CERTIFIED. 4. DESIGN BASIS: A.O. SMITH, CHRONOMITE AND EEMAX 5. PROVIDE HEAT TRAP OR HEAT TRAP NIPPLES AT WATER HEATER WATER SUPPLY CONNECTIONS. 6. PROVIDE MANUFACTURED WATER EXPANSION RELIEF DEVICE, WATTS PLT-6 SERIES EXPANSION TANK(PROVIDE PLT-12 FOR EWH-3/6/7). 7. COORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL. 8. PROVIDE BALL VALVE WITH UNION AND DIELECTRIC FITTINGS ON WATER INLET; PROVIDE UNION AND DIELECTRIC FITTINGS ON WATER OUTLET.						

FIXTURE CONNECTION SCHEDULE				
FIXTURE #	FIXTURE TYPE	MINIMUM SIZE UTILITY TO FIXTURE		
		WASTE CONNECTION	HOT WATER SUPPLY	COLD WATER SUPPLY
WC-1	WATER CLOSET - FLUSH VALVE WALL HUNG	4"	---	1"
WC-1H	WATER CLOSET - FLUSH VALVE WALL HUNG - H.C.	4"	---	1"
WC-2	WATER CLOSET - FLUSH VALVE FLOOR MOUNTED	4"	---	1"
L-1	LAVATORY - WALL-HUNG	1 1/4"	1/2"	1/2"
L-2	LAVATORY - UNDERMOUNT	1 1/4"	1/2"	1/2"
UR-1	URINAL - WALL HUNG FLUSH VALVE	2"	---	3/4"
UR-1H	URINAL - WALL HUNG FLUSH VALVE - H.C.	2"	---	3/4"
MS-1	MOP SINK	3"	1/2"	1/2"
MS-2	MOP SINK	3"	1/2"	1/2"
KS-1	SINK - TWO COMPARTMENT	1 1/2"	1/2"	1/2"
KS-2	SINK - SINGLE COMPARTMENT	1 1/2"	1/2"	1/2"
EW-C-1	DRINKING FOUNTAIN	1 1/2"	---	1/2"
SS-1	SAFETY SHOWER	-	1-1/4" (TEPID WATER)	-
HB/NFHB/ NFHB-R	HOSE BIBB	-	---	3/4"
FOOTBATH STATION	FOOTBATH STATION	2"	1/2"	1/2"

PUMP SCHEDULE								
SYMBOL	SERVICE/ LOCATION	MANUFACTURER MODEL #	TYPE	FLOW (GPM)	HEAD (PSI/FT)	RPM	HP	NOTES
SP-1	ELEVATOR/ ELEVATOR PIT	STANCOR SE-100	SUBMERSIBLE	50	15.48/36	3450	1	3
HWRP-1	HOT WATER/ SEE PLAN	TACO 113	IN-LINE	5	6.9/16	1725	1/8	1, 3
HWRP-2	HOT WATER/ SEE PLAN	TACO 112	IN-LINE	3.5	9/22	3450	1/3	1, 3
BP-1A/B	DOMESTIC WATER /SEE PLAN	VC SYSTEMS DUPLEX	END SUCTION	340 (TOTAL)	96/222	3500	20/20	2, 3
1. TACO CIRCULATOR WITH 265-3 DIGITAL TIMER. SET FLOW RATE(GPM) PER ENLARGED PLANS.								
2. DUPLEX SYSTEM FLOW: 340 GPM(TOTAL). EACH DOMESTIC WATER BOOSTER PUMP AT 65% OF SYSTEM CAPACITY 221 GPM W/ 222 TDD. MODEL NO. 2VC-PMC-VH-201-50-460								
3. COORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL.								

FLOW TEST DATA SCHEDULE	
UPON AWARD OF THE CONTRACT, THE FIRE PROTECTION CONTRACTOR SHALL PERFORM A FLOW TEST ON THE TWO HYDRANTS NEAREST THE SITE AND FORWARD THE TEST DATA TO THE ENGINEER AND ARCHITECT. THE FOLLOWING WATER PRESSURE/FLOW DATA WAS OBTAINED FROM: HARRINGTON GROUP, INC	
STATIC PRESSURE (PSI)	60
RESIDUAL PRESSURE (PSI)	36
FLOW (GPM)	1281
ELEVATION OF TEST HYDRANT	28'
LOCATION OF TEST HYDRANT	INTERSECTION OF CORPORATE DRIVE AND HWY 421
DATE OF TEST	04-26-2024
TIME OF DAY OF TEST	11:00 AM

DRAINAGE PRODUCTS/SPECIALTIES	
UNLESS OTHERWISE INDICATED NUMBERS ARE JAY R. SMITH, APPROVED EQUAL PRODUCTS: ZURN, JOSAM, WADE, WATTS AND PRECISION PLUMBING PRODUCTS	
CO-EXPOSED CLEANOUT - UNFINISHED AREAS JAY R. SMITH FIG. 4420 CAST BRONZE COUNTERSUNK PLUG WITH SLOT TO RECEIVE 1/2" THICK STEEL BAR STOCK.	
WCO-WALL CLEANOUT - FINISHED AREAS JAY R. SMITH FIG. 4436 C.I. FERRULE FOR NO HUB OR SERVICE WEIGHT PIPE, NICKEL BRONZE ROUND FRAME AND COVER WITH SECURING SCREWS.	
FCO-CONCRETE FLOORS JAY R. SMITH FIG. 4220 C.I. CLEANOUT WITH GASKET SEAL THREADED PLUG FOR EASY REMOVAL. ADJUSTABLE ROUND CAST IRON TOP WITH SECURING SCREW, SPEEDI-SET OUTLET CONNECTION.	
FCO-TILE FLOORS JAY R. SMITH FIG. 4020 C.I. CLEANOUT WITH GASKET SEAL THREADED PLUG, ADJUSTABLE ROUND NICKEL BRONZE TOP, SPEEDI-SET OUTLET CONNECTION.	
FCO-CARPETED FLOORS JAY R. SMITH FIG. 4020-Y.C.I. CLEANOUT WITH GASKET SEAL THREADED PLUG, ADJUSTABLE ROUND NICKEL BRONZE TOP COMPLETE WITH STAINLESS STEEL CARPET MARKER WITH SECURING SCREW, SPEEDI-SET OUTLET CONNECTION.	
YCO-EXTERIOR PAVED/CONCRETE AREAS JAY R. SMITH FIG. 4261 C.I. FLANGED HOUSING WITH HEAVY DUTY C.I. COVER, LIFTING DEVICE, GASKET SEAL THREADED PLUG, V.P. SCREWS IN COVER.	
YCO-EXTERIOR UNSURFACED AREAS JAY R. SMITH FIG. 4261 C.I. FLANGED HOUSING WITH HEAVY DUTY C.I. COVER, LIFTING DEVICE, GASKET SEAL THREADED PLUG, V.P. SCREWS IN COVER. PROVIDE 24" X 12" CONCRETE PAD FLUSH WITH SURFACE.	
FD "G" - FLOOR DRAINS-GENERAL/RESTROOMS JAY R. SMITH FIG. 2005-B6 SERIES C.I. FLOOR DRAIN WITH 6" DIAMETER SQUARE NICKEL BRONZE STRAINER, SPEEDI-SET OUTLET CONNECTION AND TRAP PRIMER CONNECTION.	
FD "M" -FLOOR DRAINS-GENERAL PURPOSE/MECHANICAL ROOM JAY R. SMITH FIG. 3715 SERIES CAST IRON 12" DIAMETER DRAIN WITH SEDIMENT BUCKET, CAST IRON GRATE WITH INTEGRAL 4" FUNNEL, SPEEDI-SET OUTLET CONNECTION.	
FS-1 - SANI-CEPTOR FLOOR & INDIRECT WASTE SINK JAY R. SMITH FIG. 3410-12 ACID RESISTANT FLOOR SINK WITH 1/2 GRATE AND DOME BOTTOM STRAINER.	
FS-2 - SANI-CEPTOR FLOOR & INDIRECT WASTE SINK JAY R. SMITH FIG. 3430-12 ACID RESISTANT FLOOR SINK WITH 1/2 GRATE AND DOME BOTTOM STRAINER.	
FS-3 - SANI-CEPTOR FLOOR SINK JAY R. SMITH FIG. 3410-12 ACID RESISTANT FLOOR SINK WITH FULL GRATE AND DOME BOTTOM STRAINER.	
LAVATORY-WALL HUNG SUPPORT JAY R. SMITH #700 FOR MASONRY WALLS AND #700-M31 FOR METAL STUD WALLS.	
ELECTRIC WATER COOLER CARRIER-WALL HUNG JAY R. SMITH FIG. 830 SUPPORT WITH UPRIGHTS OF HIGH STRENGTH STEEL WITH WELDED BASES BOLTED TO FLOOR. FOR STEEL STUD WALLS, USE M31 RECTANGULAR UPRIGHTS.	
TP-"A"-AUTOMATIC TRAP PRIMER PPP PRIME-PRO SERIES AUTOMATIC TRAP PRIMER WITH MULTIPLE OUTLET DISTRIBUTION UNITS AS REQUIRED.	
WATER HAMMER ARRESTORS P.P.P. SYSTEM RATED PLUS SERIES COPPER WATER HAMMER ARRESTORS. INSTALL IN AN UPRIGHT POSITION AT ALL FLUSH VALVES, DISHWASHERS, PRV STATIONS, AND OTHER QUICK CLOSING VALVES, SOLENOIDS AND PLUMBING FIXTURES. LOCATE AND SIZE AS INDICATED ON DRAWINGS. WHERE NOT SHOWN ON DRAWINGS, LOCATE AND SIZE IN ACCORDANCE WITH PDI STANDARD WH-201.	
HB-HOSE BIBB LOOSE KEY WOODFORD #24P WITH LOOSE TEE KEY AND VACUUM BREAKER HOSE BIBB, CHROME PLATED FOR USE IN PUBLIC AREAS.	
NFHB-HOSEBIBB-EXTERIOR JAY R. SMITH FIG. 5609-OT NON FREEZE 3/4" CAST BRONZE EXPOSED HYDRANT INTEGRAL VACUUM BREAKER, NICKEL BRONZE FACE, AND SIZE IN ACCORDANCE WITH WALL THICKNESS.	
NFHB - R 3/4" ROOF MOUNT PEDESTAL NON-FREEZE HYDRANT COMPLETE WITH MOUNTING FLANGE AND SHROUD, MALE HOSE END OUTLET WITH VACUUM BREAKER, NO DRAIN LINE REQUIRED. WOODFORD MODEL SRH.	
IMS - ICE MAKER SUPPLY IPS WATER TITE MODEL AB970HQHCP PLASTIC BOX, BRASS QTRN VALVES W/ INTERGRAL LEAD FREE HAMMER ARRESTORS, 1/2" COLD WATER CONNECTION. PROVIDE GUY GRAY FR-12 SERIES IN FIRE RATED WALLS.	
DSN - DOWNSPOUT NOZZLE JAY R. SMITH FIG. 1770Y-ADA-NB, NICKEL BRONZE NOZZLE AND FLANGE, NO-HUB OUTLET.	
RD - ROOF DRAIN 6" RD AND SMALLER: CAST IRON BODY WITH COMBINED FLASHING AND GRAVEL STOP, UNDERDECK CLAMP AND SUMP RECEIVER, ADJUSTABLE EXTENSION AND CAST IRON DOME. JAY R. SMITH 1015-E-C OR APPROVED EQUAL.	
8" RD AND LARGER: HIGH CAPACITY WITH 216 SQ. IN. FREE AREA, HAVE A CAST IRON BODY WITH COMBINED FLASHING AND GRAVEL STOP, UNDERDECK CLAMP AND SUMP RECEIVER, ADJUSTABLE EXTENSION AND CAST IRON DOME. ZURN MODEL Z101 OR APPROVED EQUAL.	
ERD - EMERGENCY ROOF DRAIN 6" ERD AND SMALLER: CAST IRON BODY, COMBINED FLASHING AND GRAVEL STOP, CAST-IRON DOME, 3" MINIMUM PVC STANDPIPE, UNDER DECK CLAMP, SUMP RECEIVER AND EXTENSION AS REQUIRED. JAY R. SMITH 1070-C-B OR APPROVED EQUAL.	
8" ERD AND LARGER: HIGH CAPACITY WITH 216 SQ. IN. FREE AREA, HAVE A CAST IRON BODY WITH COMBINED FLASHING AND GRAVEL STOP, CAST-IRON DOME, 3" MINIMUM INTERNAL WATER DAM, UNDERDECK CLAMP, SUMP RECEIVER AND ADJUSTABLE EXTENSION AS REQUIRED. ZURN MODEL Z101 OR APPROVED EQUAL.	
TPV - ELECTRONIC TRAP PRIMER VALVE TPV-1: PPP MODEL WMPB-500-120V. TPV-2: PPP MODEL KPT5-6-120V.	

PLUMBING NOTES	
1.	REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND ELEVATIONS OF ALL PLUMBING FIXTURES.
2.	ALL PLUMBING WORK SHALL BE INSTALLED IN ACCORDANCE WITH 2018 NORTH CAROLINA PLUMBING CODE (WITH LOCAL)AMENDMENTS AND ALL APPLICABLE LOCAL CODE AND ORDANCES.
3.	ALL PIPING ABOVE GRADE SHALL BE PROPERLY SUPPORTED FROM THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR BE SUPPORTED FROM CEILING TILES.
4.	WATER PIPING ROUTED ABOVE CEILING AND IN EXTERIOR WALLS SHALL BE ROUTED ON HEATED SIDE (UNDERSIDE) OF CEILING INSULATION AND HEATED SIDE (INSIDE) OF WALL INSULATION.
5.	SANITARY AND DRAINAGE PIPING 2" AND SMALLER SHALL BE SLOPED AT 1/4" PER FOOT MINIMUM, PIPING 3" AND LARGER SHALL BE SLOPED AT 1/8" PER FOOT MINIMUM.
6.	TOPS OF ALL FLOOR DRAINS AND CLEANOUTS SHALL BE SET FLUSH WITH FINISHED FLOOR.
7.	TRAP PRIMERS ARE TO BE PROVIDED ON ALL FLOOR DRAINS AND HUB DRAINS. TP "A" AUTOMATIC TRAP PRIMERS ARE TO BE PROVIDED IN ALL REQUIRE LOCATIONS, UNON.
8.	LOCATE ALL SECTIONAL OR MAIN CONTROL VALVES WITHIN 1'-0" FROM ACCESS PANELS, CEILING TILES, OR OTHER POINT OF ACCESS.
9.	ALL COLD WATER, HOT WATER AND DRAIN PIPING AT HANDCAPPED FIXTURES SHALL BE INSULATED WITH HANDLAV GUARD MODELS 102 AND 106 INSULATION KITS.
10.	PROVIDE SHOCK ABSORBERS SIZED PER PDI SPECIFICATIONS ON ALL DOMESTIC WATER LINES SERVING FLUSH VALVE FIXTURES, WASHING MACHINES SUPPLIES, PRV STATIONS AND OTHER INSTALLATIONS WITH QUICK CLOSING VALVES.
11.	PROVIDE A BASE CLEANOUT AT THE LOWEST LEVEL OF ALL SANITARY AND WASTE STACKS.
12.	PROVIDE REDUCED PRESSURE BACKFLOW PREVENTORS AT ALL DOMESTIC WATER CONNECTIONS TO MECHANICAL EQUIPMENT, POOL AND IRRIGATION CONNECTIONS, AND VENDING EQUIPMENT CONNECTIONS AS REQUIRED BY LOCAL CODE AND AUTHORITIES. BACKFLOW PREVENTORS ARE TO BE LOCATED WITH A MINIMUM OF 1'-0" CLEARANCE AT THE LOWEST POINT AND AT NO MORE THAN 5'-0" ABOVE FLOOR AT THE HIGHEST POINT OF THE DEVICE.
13.	PROVIDE MANUFACTURED EXPANSION DEVICE OR FABRICATED EXPANSION LOOP ON ALL PIPING SYSTEMS CROSSING BUILDING EXPANSION JOINTS.
14.	CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH THE ELECTRICAL DRAWINGS AND THE ELECTRICAL CONTRACTOR, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
15.	ALL PLUMBING EQUIPMENT, PIPING, INSULATION, ETC. INSTALLED IN HVAC PLENUM SPACES SHALL MEET CODE REQUIREMENTS FOR SMOKE AND COMBUSTIBILITY.
16.	ALL PLUMBING EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A MINIMUM PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE.
17.	ALL PIPE PENETRATIONS OF FIRE AND/OR SMOKE RATED ASSEMBLIES SHALL BE FIRE STOPPED AS REQUIRED TO RESTORE ASSEMBLY TO ORIGINAL INTEGRITY. FIRE BARRIER PRODUCTS SHALL BE AS MANUFACTURED BY 3M COMPANY, CP25 CAULK, CS195 COMPOSITE PANEL, FS195 WRAP/SINK, TREMO, HILTI, METACALULK, NELSON, OR PSS 7000 SERIES SYSTEMS AS RECOMMENDED BY MANUFACTURER FOR PARTICULAR APPLICATIONS, OR EQUIVALENT SYSTEM AS APPROVED BY LOCAL CODE OFFICIALS. ALSO, REFER TO DIVISION 7 - THERMAL AND MOISTURE PROTECTION.
18.	PROVIDE AN INLINE FILTER ON THE DOMESTIC WATER SUPPLY TO ALL ICE MACHINES, FILTRINE MODEL 4TM OR ENGINEER APPROVED EQUAL.
19.	ALL VENT THRU ROOF PENETRATIONS SHALL BE ROUTED TO TERMINATE AT THE LEAST VISIBLE LOCATION FROM THE ENTRY VIEW.
20.	PROVIDE A FLANGED DOUBLE SPHERE FLOATING FLANGE FLEXIBLE CONNECTOR COMPLETE WITH CONTROL RODS AT THE DOMESTIC BOOSTER PUMP SUCTION AND DISCHARGE CONNECTIONS (PRESSURE RATING AS REQUIRED BY SYSTEM PRESSURE), KINETICS KINFLEX FTC SERIES.
21.	PROVIDE PRVS AT ALL BRANCH LINES SERVING FIXTURES OFF THE CV MAIN DOWNSTREAM OF THE BOOSTER PUMP, WHERE PRESSURES EXCEED 80 PSI.
22.	THE MINIMUM CLEAR HEIGHT FOR ALL PLUMBING SYSTEMS. REFER TO ARCHITECTURAL DRAWING FOR CLEAR HEIGHTS.

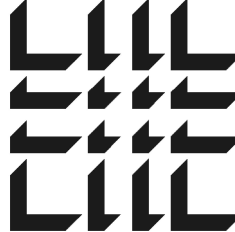
WHA - WATER HAMMER ARRESTOR				
P.P.P. SYSTEM RATED PLUS SERIES COPPER WATER HAMMER ARRESTORS. CONTRACTOR SHALL INSTALL THE WATER HAMMER ARRESTORS IN THE PIPING SYSTEM AS REQUIRED BY THE SIZE OF THE FIXTURE LOAD.				
SYMBOL	FIXTURE UNIT	CONNECTION SIZE	PPP ARRESTOR SIZE	PART NUMBER
WHA"A"	1-11	1/2"	A	SC-500A
WHA"B"	22-32	3/4"	B	SC-750B
WHA"C"	33-60	1"	C	SC-1000C
WHA"D"	61-113	1"	D	SC-1250D
WHA"E"	114-154	1"	E	SC-1500E
WHA"F"	155-330	1"	F	SC-2000F

PLUMBING LEGEND		
SYMBOL	ABBREVIATION	DESCRIPTION
	A/C	ABOVE CEILING
	AD	AREA DRAIN
	A/F	ABOVE FLOOR
	AFF	ABOVE FINISHED FLOOR
	AFG	ABOVE FINISHED GRADE
	AP	ACCESS PANEL
	B/C	BELOW COUNTER
	B/F	BELOW FLOOR
	B/G	BELOW GRADE
	BV	HOT WATER RETURN BALANCING VALVE
	CV	CHECK VALVE
	CW	COLD WATER PIPING
	DN	PIPING TURNING DOWN
	FCO	FLOOR CLEANOUT
	FD	FLOOR DRAIN
	G	GAS PIPING - LOW PRESSURE
	MG	GAS PIPING - MEDIUM PRESSURE
	GV	GATE/BALL VALVE
	HBNFHB	HOSE BIBB/NON-FREEZE HOSE BIBB
	H.C.	HANDICAPPED
	HD	HUB DRAIN
	HW	HOT WATER PIPING
	HWR	HOT WATER RETURN PIPING
	O/H	OVER HEAD
	---	P-TRAP
	PRV	PRESSURE REDUCING VALVE
	RD	ROOF DRAIN
	RBPB	REDUCED PRESSURE BACKFLOW PREVENTOR
	S.W	SOIL, WATER PIPING (ABOVE GROUND)
	TP	TRAP PRIMER
	---	UNION
	UP	PIPING TURNING UP
	V	VENT PIPING
	VTR	VENT THRU ROOF
	WCO	WALL CLEANOUT
	WHNFWH	WALL HYDRANT/NON-FREEZE WALL HYDRANT
	YCO	YARD CLEANOUT
	---	VALVED WATER COOLER CONNECTION

DESIGN CRITERIA:
REFER TO DESIGN CRITERIA.

SEISMIC NOTE:	
ALL MECHANICAL EQUIPMENT SHALL BE PROVIDED WITH SEISMIC RESTRAINTS FOR THE SEISMIC USE GROUP IN WHICH THE BUILDING IS LOCATED IN (SEE STRUCTURAL DRAWINGS) AND ACCORDANCE WITH THE 2018 NORTH CAROLINA BUILDING CODE SECTION 1613 EARTHQUAKE LOADS, ASCE 7-05 CHAPTER 13 (FORMULAS 13.3-1, 13.3-2, AND 13.3-3), AND THE 2018 NORTH CAROLINA BUILDING CODE CHAPTER 17 STRUCTURAL TESTS AND SPECIAL INSPECTIONS. DESIGN OF SYSTEM AND ALL SUBMITTAL DATA TO INCLUDE SEISMIC CALCULATIONS CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF PROJECT LOCATION AND EMPLOYED BY THE RESTRAINT MANUFACTURER, SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL. SEISMIC RESTRAINTS SHALL BE BY MASON INDUSTRIES INC. OR AN APPROVED EQUAL. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.	

PLUMBING SHEET INDEX	
SHEET NUMBER	SHEET NAME
P-001	GENERAL NOTES, LEGENDS AND SCHEDULES - PLUMBING
P-002	PLUMBING DETAILS
P-003	PLUMBING DETAILS
P-201	OVERALL FLOOR PLAN - GROUND LEVEL - PLUMBING
P-202	PARTIAL FLOOR PLAN - GROUND LEVEL A - PLUMBING
P-203	PARTIAL FLOOR PLAN - GROUND LEVEL B - PLUMBING
P-204	PARTIAL FLOOR PLAN - GROUND LEVEL C - PLUMBING
P-205	PARTIAL FLOOR PLAN - GROUND LEVEL D - PLUMBING
P-206	OVERALL FLOOR PLAN - LEVEL 2 - PLUMBING
P-207	PARTIAL FLOOR PLAN - LEVEL 2 A - PLUMBING
P-208	PARTIAL FLOOR PLAN - LEVEL 2 B - PLUMBING
P-209	PARTIAL FLOOR PLAN - LEVEL 2 C - PLUMBING
P-210	PARTIAL FLOOR PLAN - LEVEL 2 D - PLUMBING
P-211	OVERALL FLOOR PLAN - LEVEL 3 - PLUMBING
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P-213	PARTIAL FLOOR PLAN - LEVEL 3 B - PLUMBING
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P-220	PARTIAL FLOOR PLAN - LEVEL 4 D - PLUMBING
P-221	OVERALL FLOOR PLAN - LEVEL 5 - PLUMBING
P-222	PARTIAL FLOOR PLAN - LEVEL 5 A - PLUMBING
P-223	PARTIAL FLOOR PLAN - LEVEL 5 B - PLUMBING
P-224	PARTIAL FLOOR PLAN - LEVEL 5 C - PLUMBING
P-225	PARTIAL FLOOR PLAN - LEVEL 5 D - PLUMBING
P-226	OVERALL ROOF PLAN - PLUMBING
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P-228	PARTIAL ROOF PLAN - B - PLUMBING
P-229	PARTIAL ROOF PLAN - C - PLUMBING
P-230	PARTIAL ROOF PLAN - D - PLUMBING
P-401	MAIN OFFICE PLAN - PLUMBING
P-401S	MAIN OFFICE - SANITARY RISER
P-401W	MAIN OFFICE - WATER RISER
P-402A	MAIN OFFICE PLAN - SANITARY
P-402B	MAIN OFFICE PLAN - WATER
P-402S	MAIN OFFICE - SANITARY RISER
P-402W	MAIN OFFICE - WATER RISER
P-403A	ENLARGED REMOTE BREAKROOM PLANS - SANITARY
P-403B	ENLARGED REMOTE BREAKROOM PLANS - WATER
P-404A	ENLARGED RESTROOM PLANS - SANITARY
P-404B	ENLARGED RESTROOM PLANS - WATER
P-405A	ENLARGED RESTROOM PLANS - SANITARY
P-405B	ENLARGED RESTROOM PLANS - WATER
P-406A	ENLARGED RESTROOM PLANS - SANITARY
P-406B	ENLARGED RESTROOM PLANS - WATER
P-407A	ENLARGED RESTROOM PLANS - SANITARY
P-407B	ENLARGED RESTROOM PLANS - WATER
P-408	ENLARGED RESTROOM PLANS - PLUMBING
P-409	ENLARGED PLANS - PLUMBING
TOTAL DRAWINGS ISSUED: 52	



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Project Number: 2401015
Drawn By: CF Checked By: JMW

PRINT RECORD

NUMBER	DATE	DESCRIPTION
	06/10/24	PRICING SET

PROJECT INFORMATION

PROJECT WHALE

WILMINGTON, NC

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DATE	PROJECT NO
--	2024-013

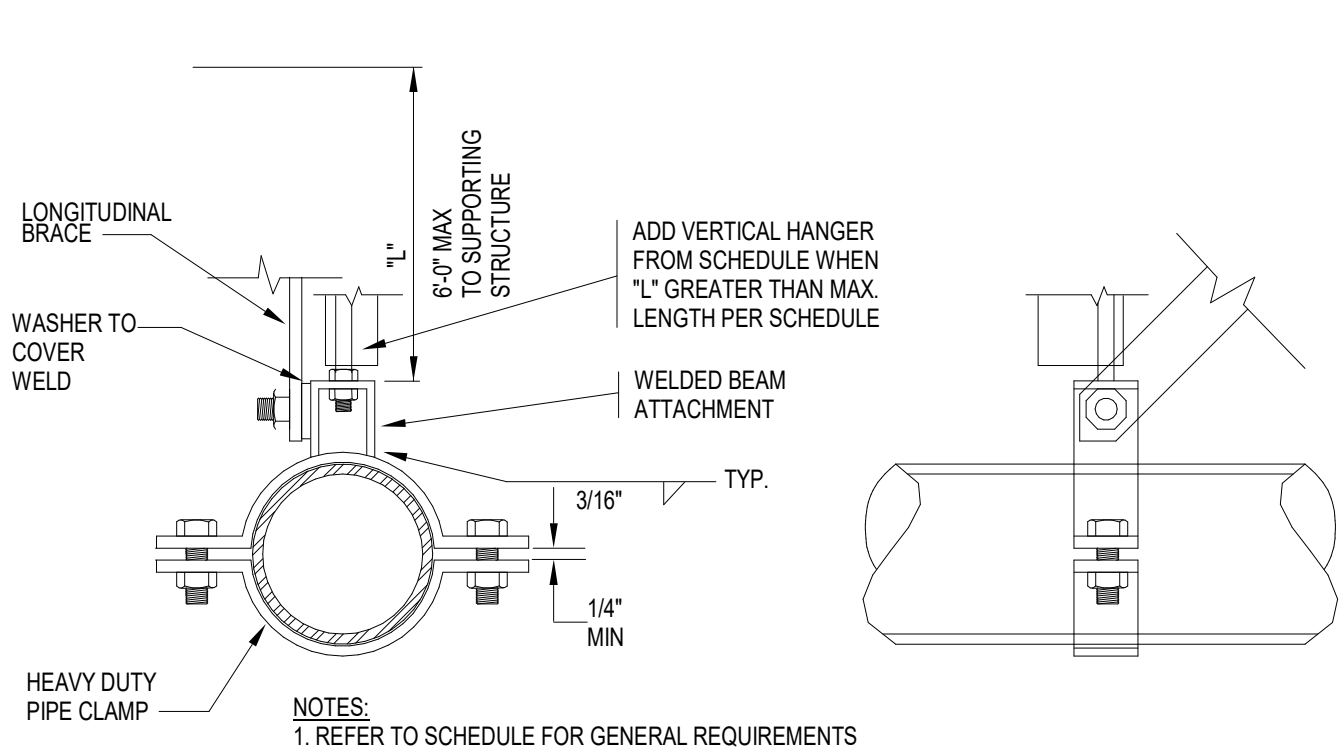
SHEET TITLE

GENERAL NOTES, LEGENDS AND SCHEDULES - PLUMBING

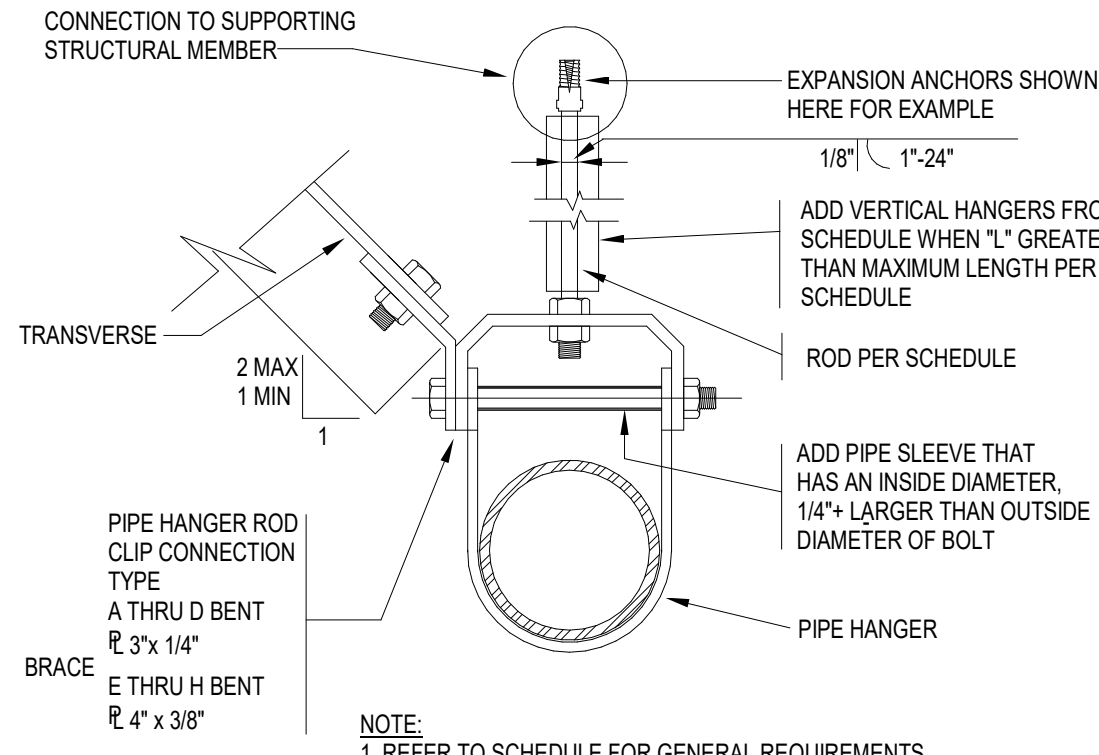
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P-001

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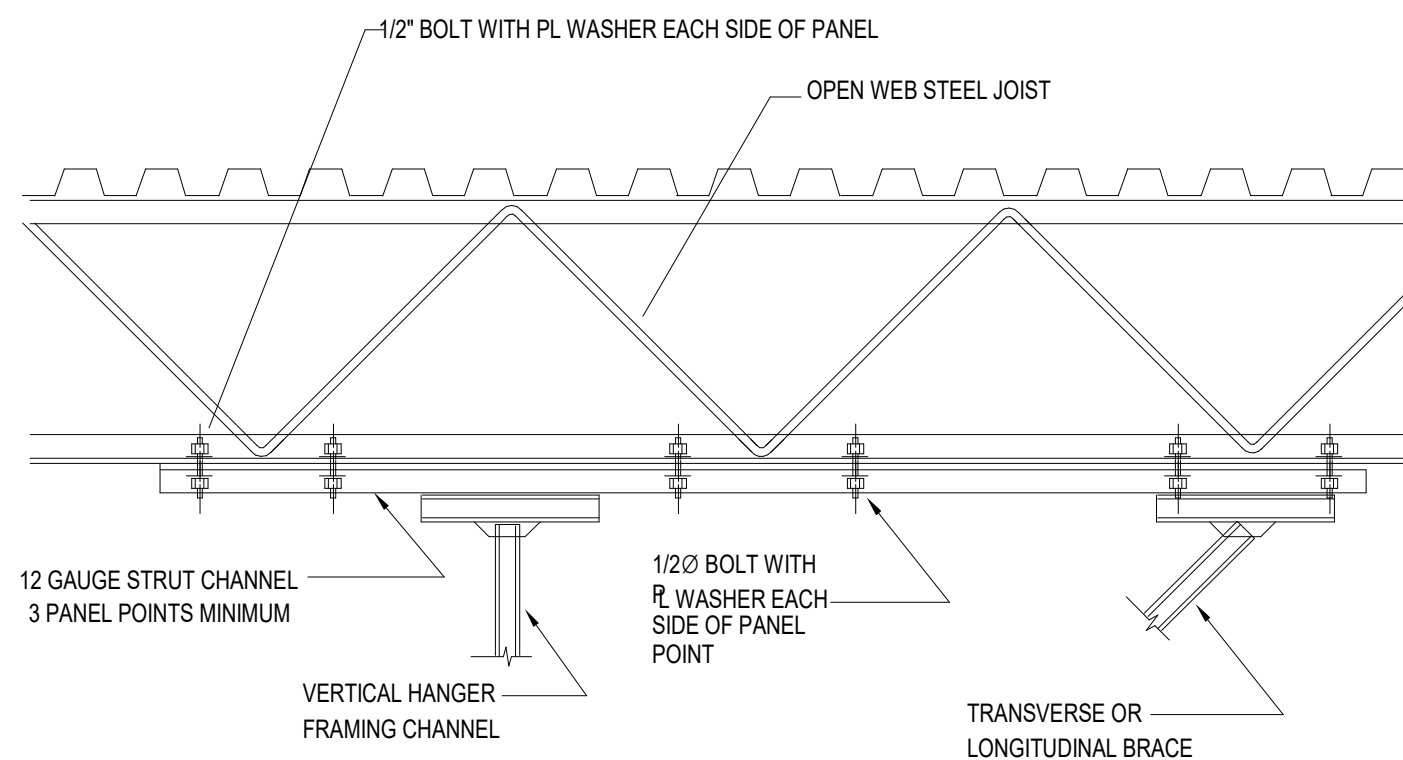
1 LONGITUDINAL BRACING FOR PIPES
NOT TO SCALE



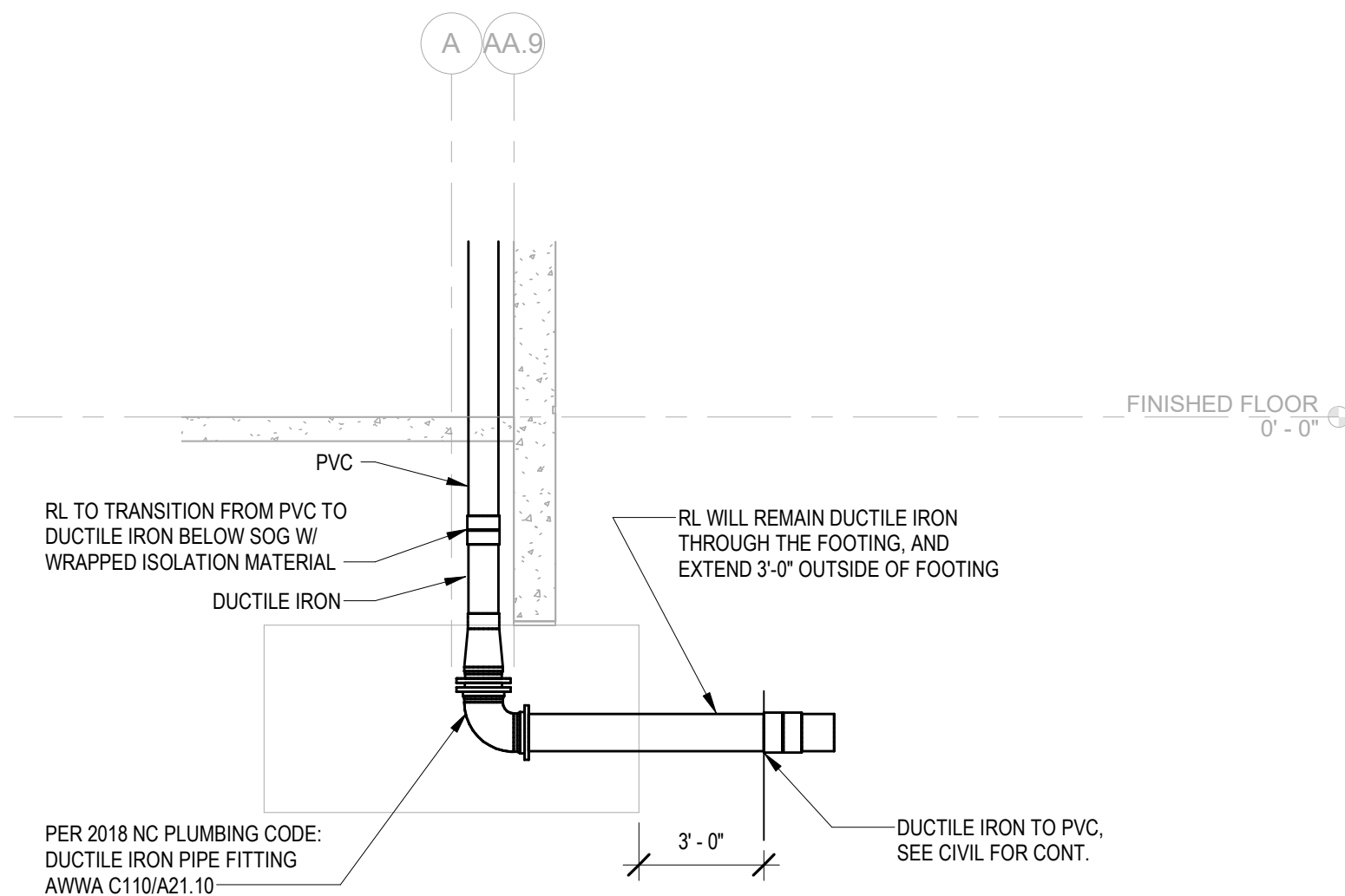
2 TRANSVERSE BRACING FOR PIPES
NOT TO SCALE

SCHEDULE - PIPE BRACING								
PIPE SIZE (IN.)	MAX. WT. (lbs per foot)	VERTICAL HANGERS	TRANSVERSE BRACES (CABLE SIZE)	LONGITUDINAL BRACES (CABLE SIZE)	BOLT SIZE	CONNECTION TYPE TO STRUCTURAL MEMBER	ROD SIZE (in.)	MAX. LENGTH FOR RODS
1 - 2-1/2	7.9	L2X2X16GA	L2-1/2x2-1/2x16GA (1/4" CABLE)	L2-1/2x2-1/2x16GA (1/4" CABLE)	3/8	A	1/2	25"
3	10.8	L2X2X16GA	L2-1/2x2-1/2x16GA (1/4" CABLE)	L2-1/2x2-1/2x16GA (1/4" CABLE)	3/8	A	1/2	25"
4	16.3	L2X2X16GA	L2-1/2x2-1/2x16GA (1/4" CABLE)	L2-1/2x2-1/2x16GA (1/4" CABLE)	3/8	A	5/8	31"

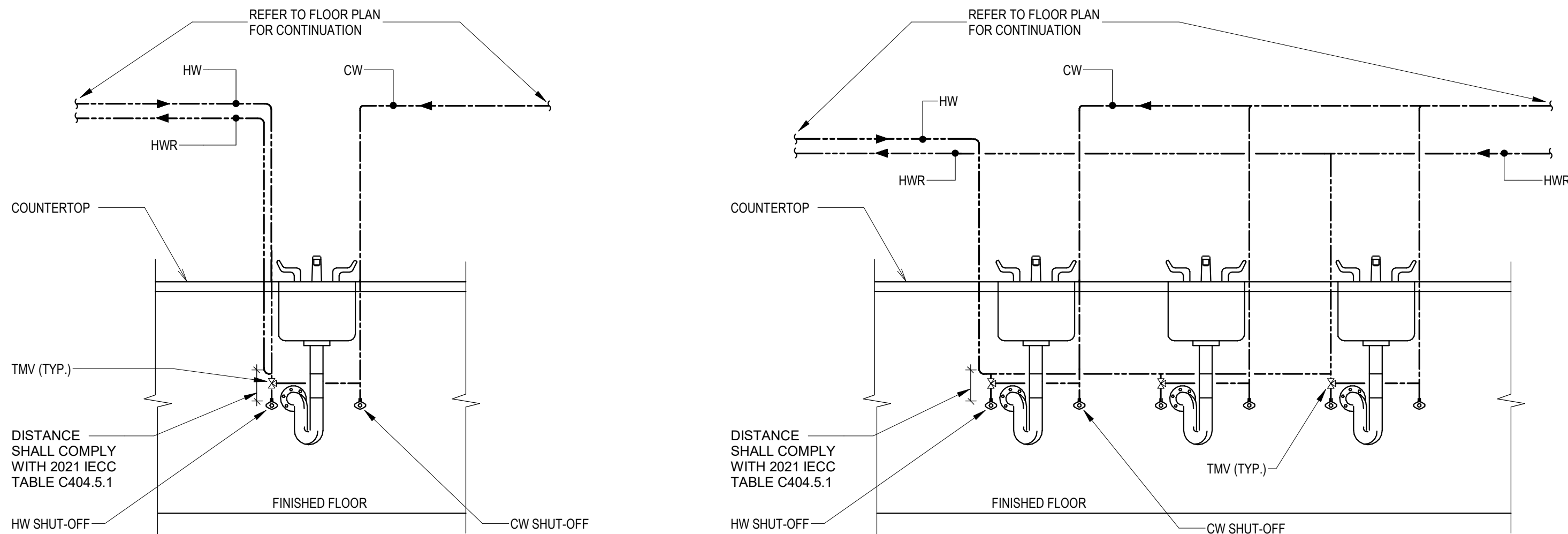
NOTE: SEE OVERALL DRAWINGS FOR EXACT BRACING LOCATIONS.



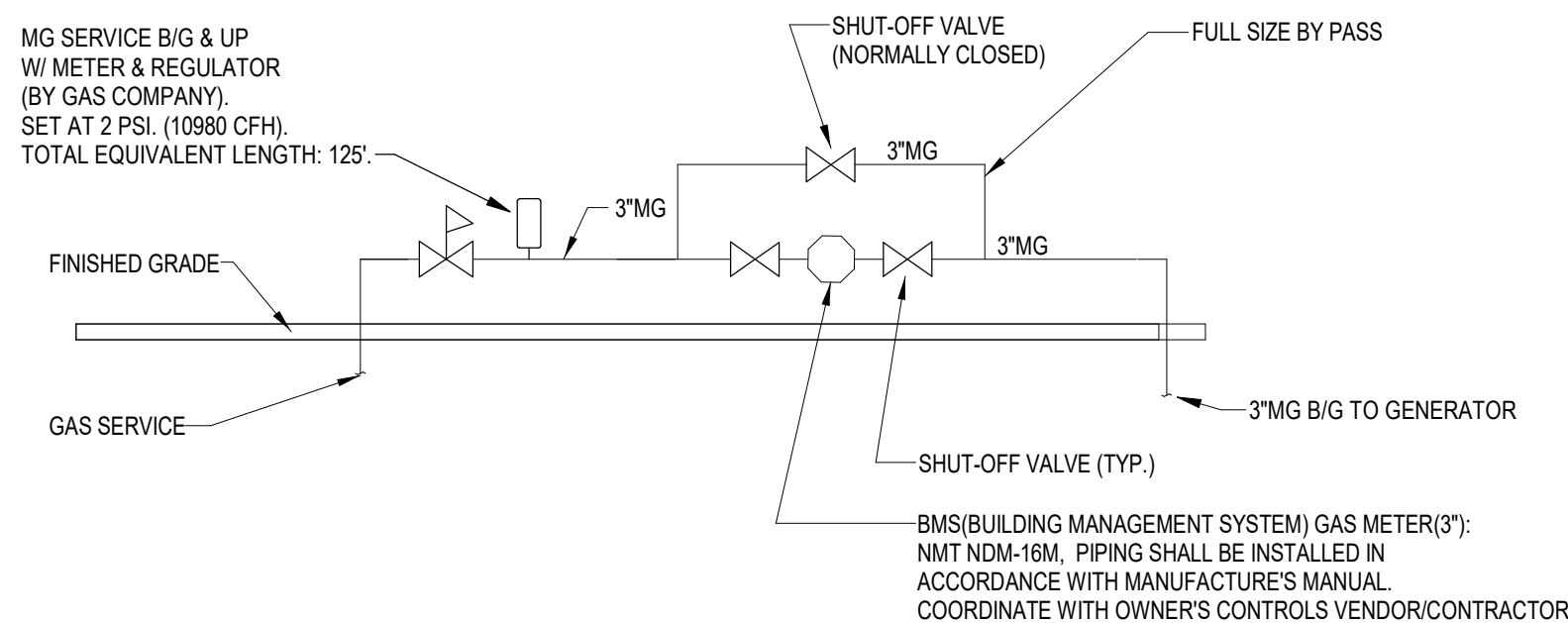
3 CONNECTIONS TO OPEN WEB STEEL JOIST
NOT TO SCALE



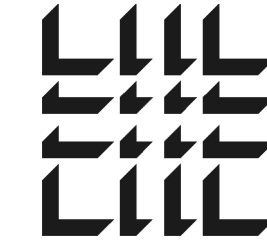
6 RL(AT SPECIFIC LOCATIONS) MATERIAL DETAIL
NOT TO SCALE



4 LAVATORY DOMESTIC WATER AND HOT WATER RECIRCULATION PIPING
NOT TO SCALE



5 BMS GAS METER PIPING
NOT TO SCALE



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Project Number: 24010155
Drawn By: CF Checked By: JMW

PRINT RECORD

NUMBER DATE DESCRIPTION

06/10/24 PRICING SET

PROJECT INFORMATION

PROJECT WHALE

WILMINGTON, NC



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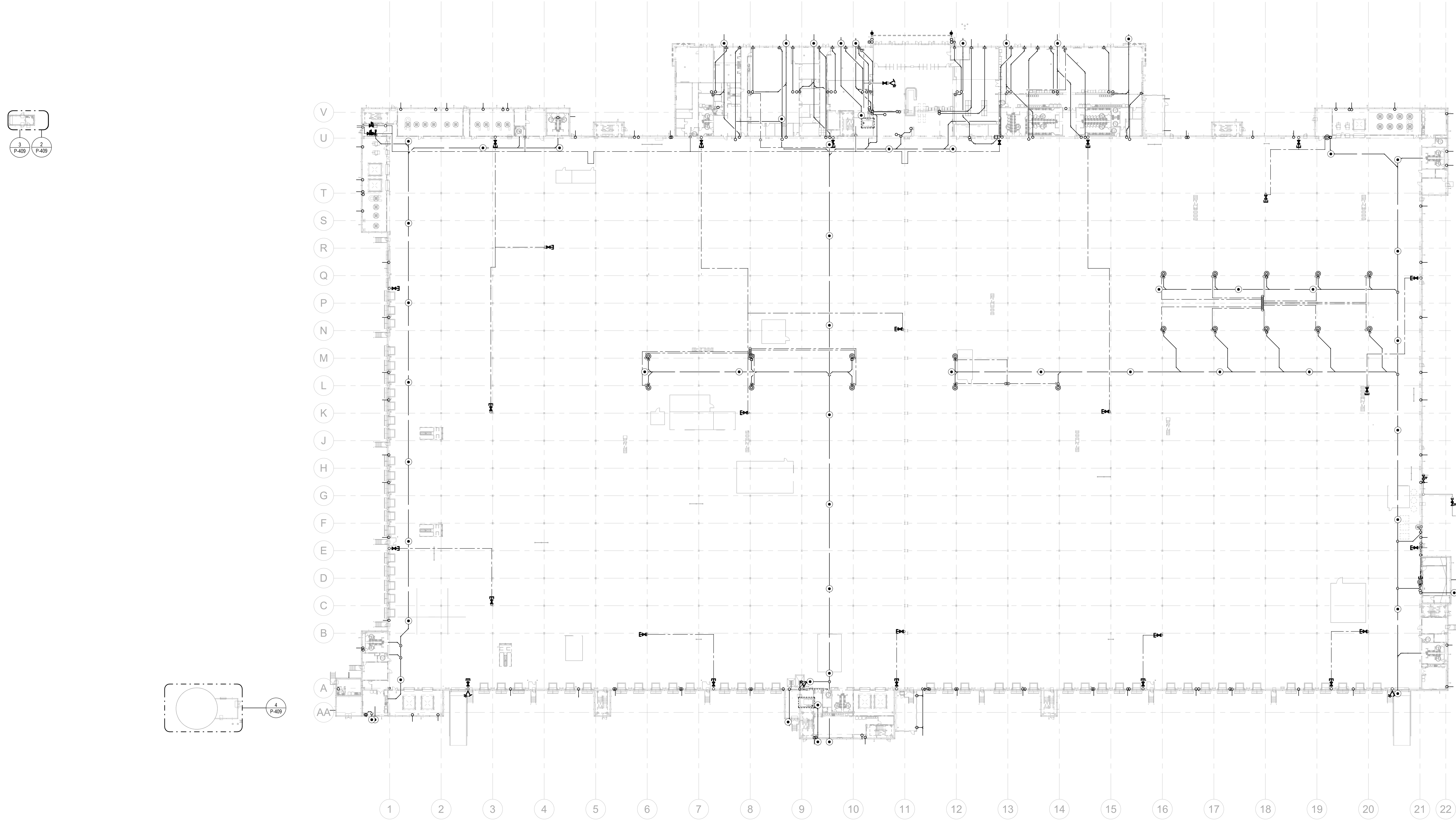
DATE PROJECT NO
-- 2024-013

SHEET TITLE
PLUMBING DETAILS

SHEET NUMBER
P-003

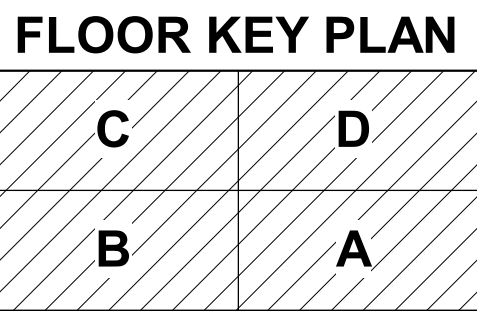
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1
1" = 40'-0"

OVERALL FLOOR PLAN - LEVEL 1 - PLUMBING



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WILMINGTON, NC



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DATE PROJECT NO
-- 2024-013

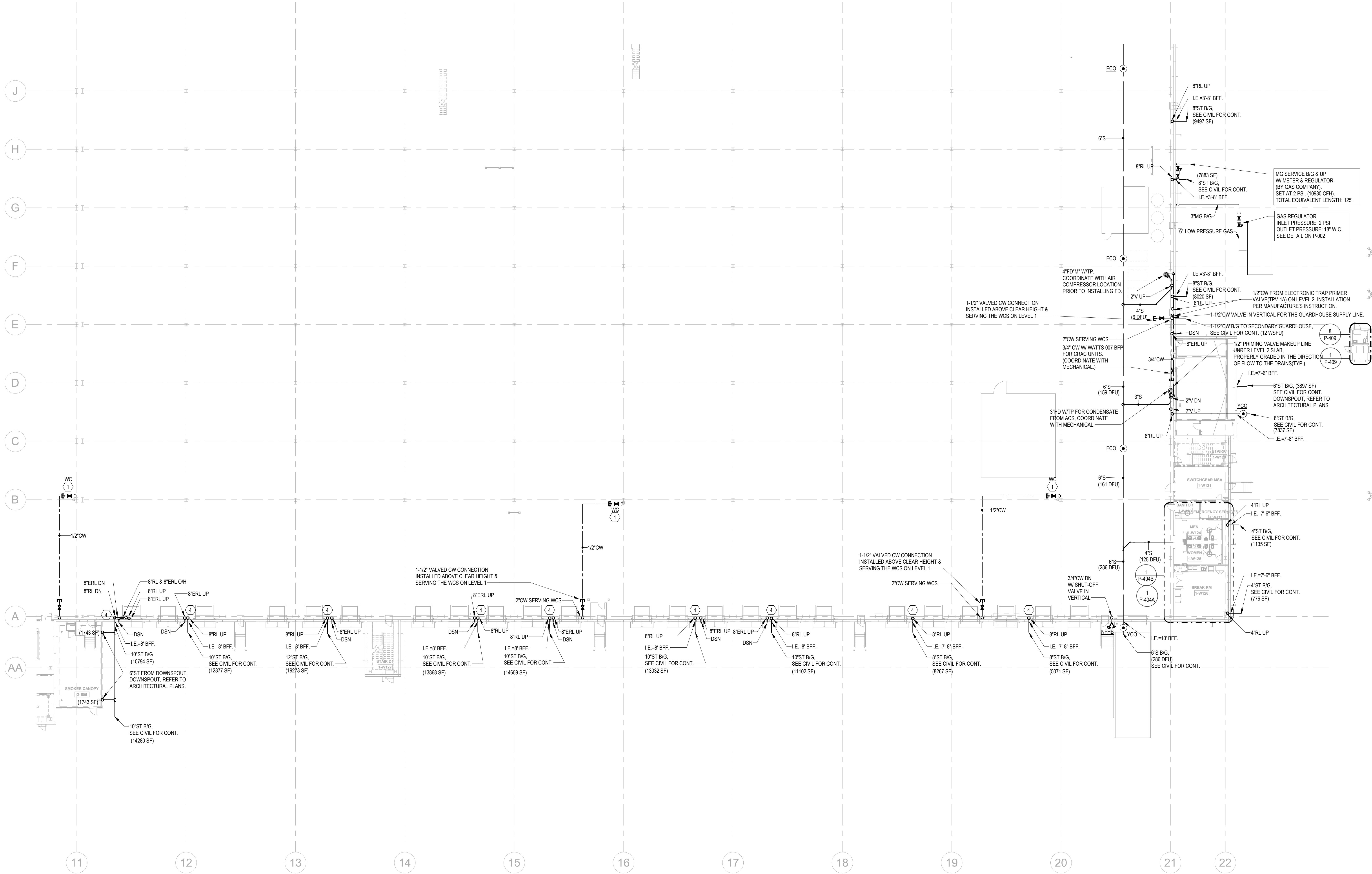
SHEET TITLE

OVERALL
FLOOR PLAN -
GROUND LEVEL
- PLUMBING

SHEET NUMBER

P-201

NOT FOR CONSTRUCTION

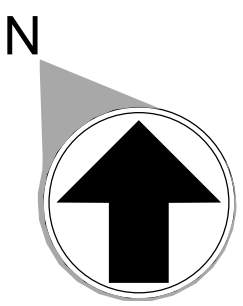


STORM DRAINAGE NOTES:
STORM PIPING & ROOF DRAINS ARE SIZED BASED ON 2018 NORTH CAROLINA PLUMBING CODE.
(PRIMARY ROOF DRAIN: BASED ON RAINFALL RATE OF 4.5" ONE-HOUR DURATION AND A 100-YEAR RETURN PERIOD;
SECONDARY ROOF DRAIN: BASED ON 100-YEAR, 15-MINUTE RAINFALL (8.5" HOUR)
ABOVE GROUND, OFFSET RAIN WATER LEADER AT ROOF 45-DEGREE ANGLE, WHILE MAINTAINING FLOOR CLEAR HEIGHT,
WHERE 45-DEGREE OFFSETS ARE NOT POSSIBLE, ALL HORIZONTAL STORM PIPING ABOVE GROUND SHALL SLOPE AT 1/4" PER FOOT, MINIMUM, UON.
DOWNSPOUT NOZZLE SHALL BE INSTALLED AT 24" ABOVE FINISHED GRADE, UON.

KEYNOTES	
1	PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANIFOLD. LOCATE BALL VALVE 8'-0" AFF. ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. STUB COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.
2	PROVIDE LONGITUDINAL AND TRANSVERSE BRACING. SEE DETAILS ON P-003.
3	1/2" STORM PIPE. REFER TO DETAIL 11 ON ARCHITECTURAL SHEET A-500.
4	FOR THIS RL, SEE SHEET P-003 DETAIL 6 FOR PIPE MATERIAL.

FLOOR KEY PLAN

C	D
B	A



NUMBER	DATE	DESCRIPTION
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06/10/24		PRICING SET
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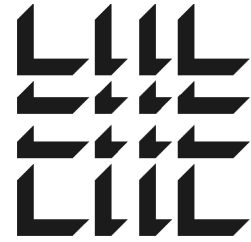
PARTIAL GROUND FLOOR - B - PLUMBING

1" = 20'-0"

STORM DRAINAGE NOTES:
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DOWNSPOUT NOZZLE SHALL BE INSTALLED AT 24" ABOVE FINISHED GRADE, U.O.N.

KEYNOTES

1	PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANIFOLD. LOCATE BALL VALVE 8'-0" AFF. ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. STUB COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.
2	PROVIDE LONGITUDINAL AND TRANSVERSE BRACING. SEE DETAILS ON P-003.
3	10" STORM PIPE. REFER TO DETAIL 11 ON ARCHITECTURAL SHEET A-500.
4	FOR THIS RL, SEE SHEET P-003 DETAIL 6 FOR PIPE MATERIAL.



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Project Number: 24010155
Drawn By: CF Checked By: JMW

PRINT RECORD

NUMBER DATE DESCRIPTION

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PROJECT INFORMATION

PROJECT
WHALE

WILMINGTON, NC



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-- 2024-013

SHEET TITLE

PARTIAL
FLOOR PLAN -
GROUND LEVEL
B - PLUMBING

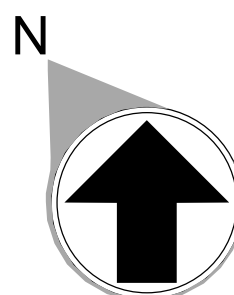
SHEET NUMBER

P-203

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FLOOR KEY PLAN

C	D
B	A



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1

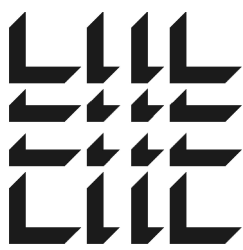
PARTIAL GROUND FLOOR - C - PLUMBING

1" = 20'-0"

STORM DRAINAGE NOTES:
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DOWNSPOUT NOZZLE SHALL BE INSTALLED AT 24" ABOVE FINISHED GRADE, UDN.

KEYNOTES

1	PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANIFOLD. LOCATE BALL VALVE 8'-0" AFF. ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. STUB COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.
2	PROVIDE LONGITUDINAL AND TRANSVERSE BRACING. SEE DETAILS ON P-003.
3	10" STORM PIPE. REFER TO DETAIL 11 ON ARCHITECTURAL SHEET A-500.
4	FOR THIS RL, SEE SHEET P-003 DETAIL 6 FOR PIPE MATERIAL.



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WHALE

WILMINGTON, NC



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DATE	PROJECT NO
--	2024-013

SHEET TITLE
PARTIAL
FLOOR PLAN -
GROUND LEVEL
C - PLUMBING

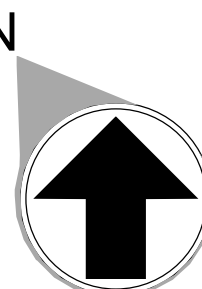
SHEET NUMBER

P-204

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FLOOR KEY PLAN

C	D
B	A



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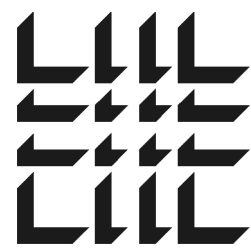
PARTIAL GROUND FLOOR - D - PLUMBING

1" = 20'-0"

STORM DRAINAGE NOTES:
STORM PIPING & ROOF DRAINS ARE SIZED BASED ON 2018 NORTH CAROLINA PLUMBING CODE.
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DOWNSPOUT NOZZLE SHALL BE INSTALLED AT 24" ABOVE FINISHED GRADE, UON.

KEYNOTES

1	PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANIFOLD. LOCATE BALL VALVE 8'-0" AFF. ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. STUB COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.
2	PROVIDE LONGITUDINAL AND TRANSVERSE BRACING. SEE DETAILS ON P-003.
3	10" STORM PIPE. REFER TO DETAIL 11 ON ARCHITECTURAL SHEET A-503.
4	FOR THIS RL, SEE SHEET P-003 DETAIL 6 FOR PIPE MATERIAL.



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NUMBER DATE DESCRIPTION

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SHEET TITLE

PARTIAL
FLOOR PLAN -
GROUND LEVEL
D - PLUMBING

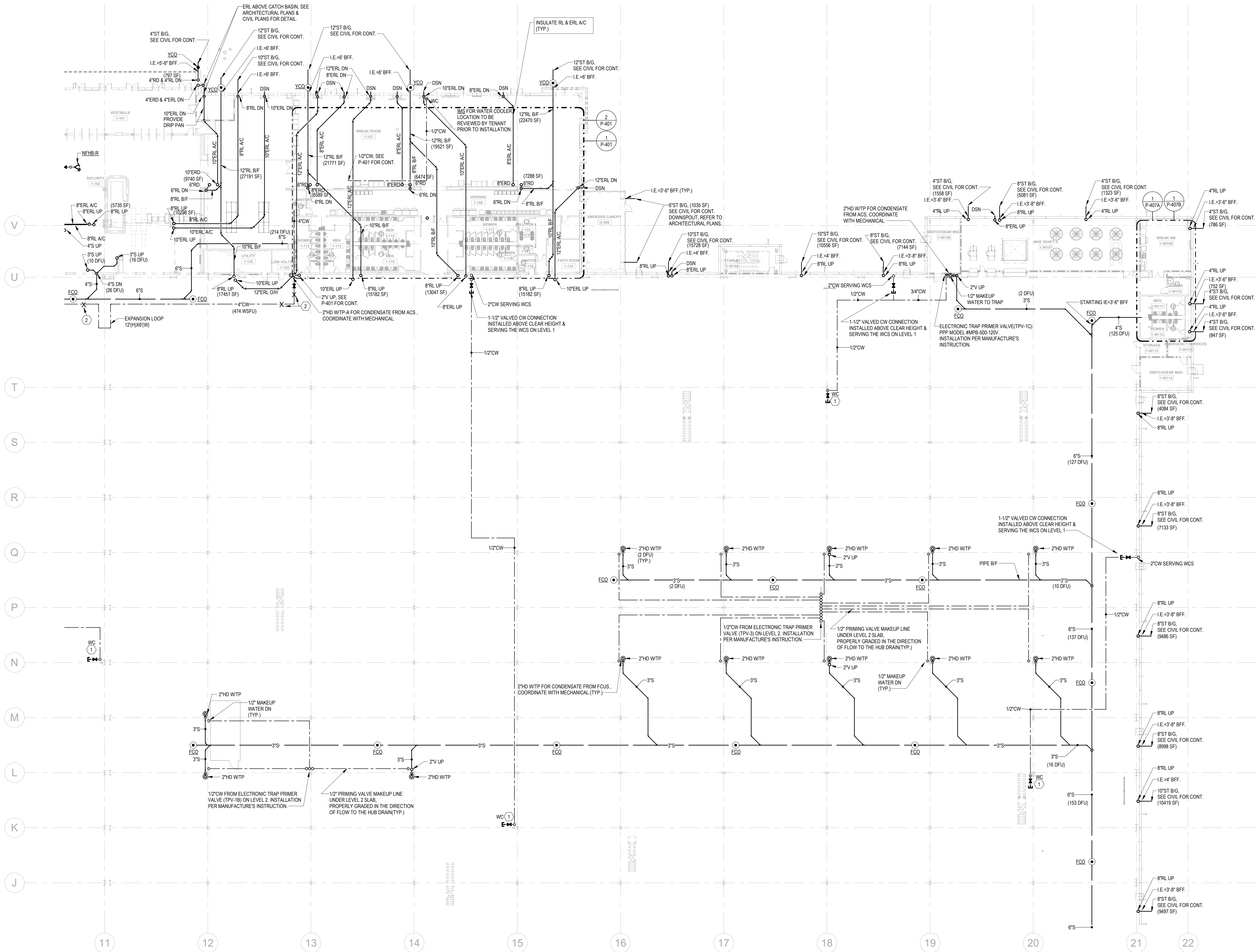
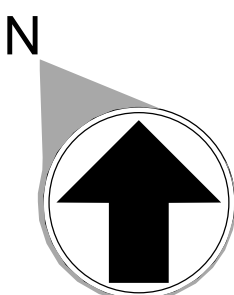
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P-205

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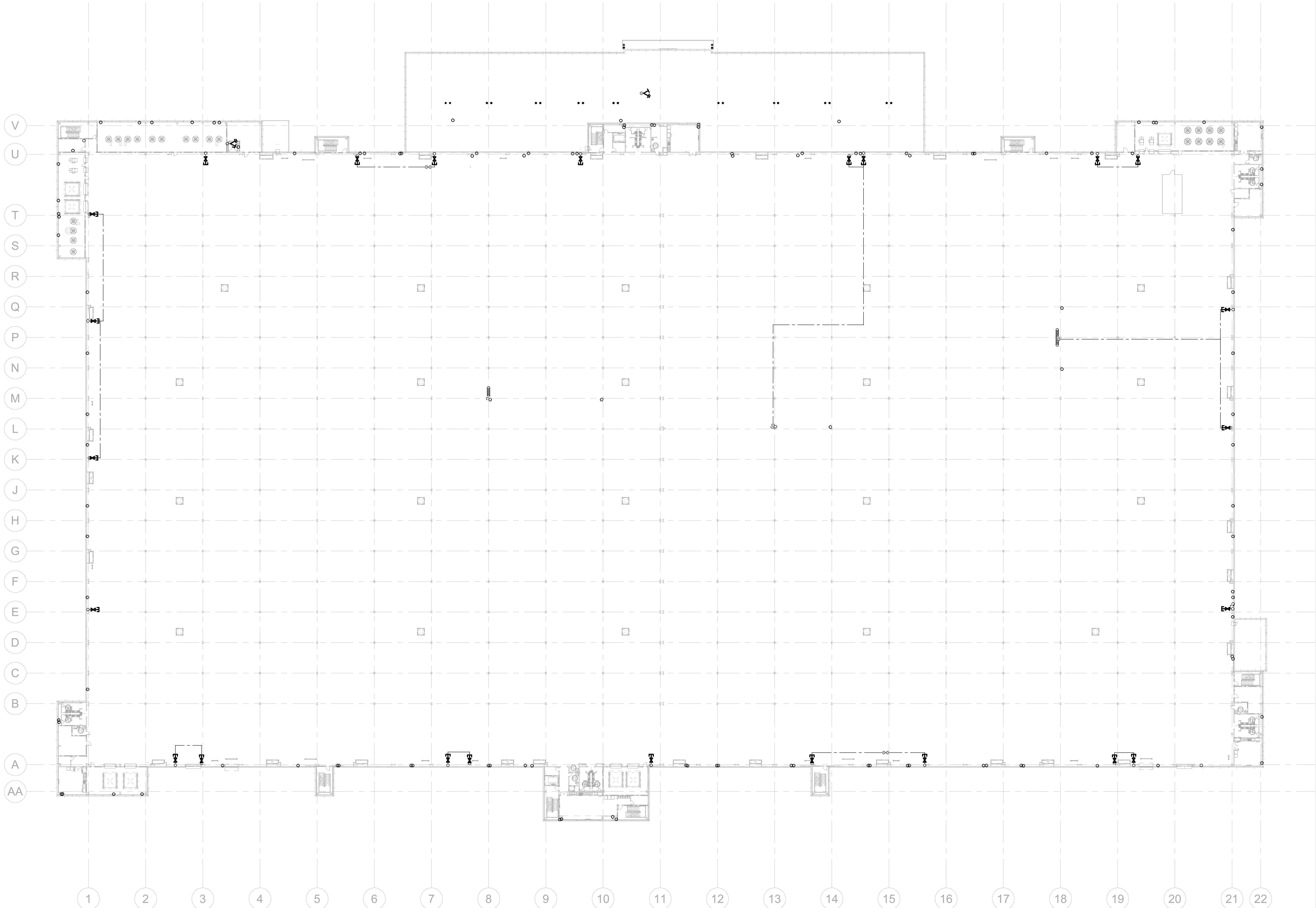
FLOOR KEY PLAN

C	D
B	A



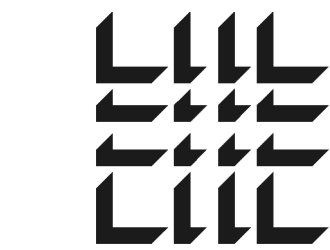
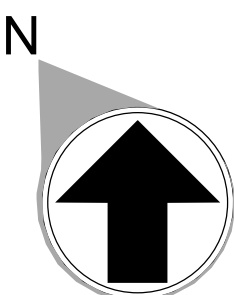
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OVERALL FLOOR PLAN - LEVEL 2 - PLUMBING



FLOOR KEY PLAN

C	D
B	A



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SHEET TITLE

OVERALL
FLOOR PLAN -
LEVEL 2 -
PLUMBING

SHEET NUMBER

P-206

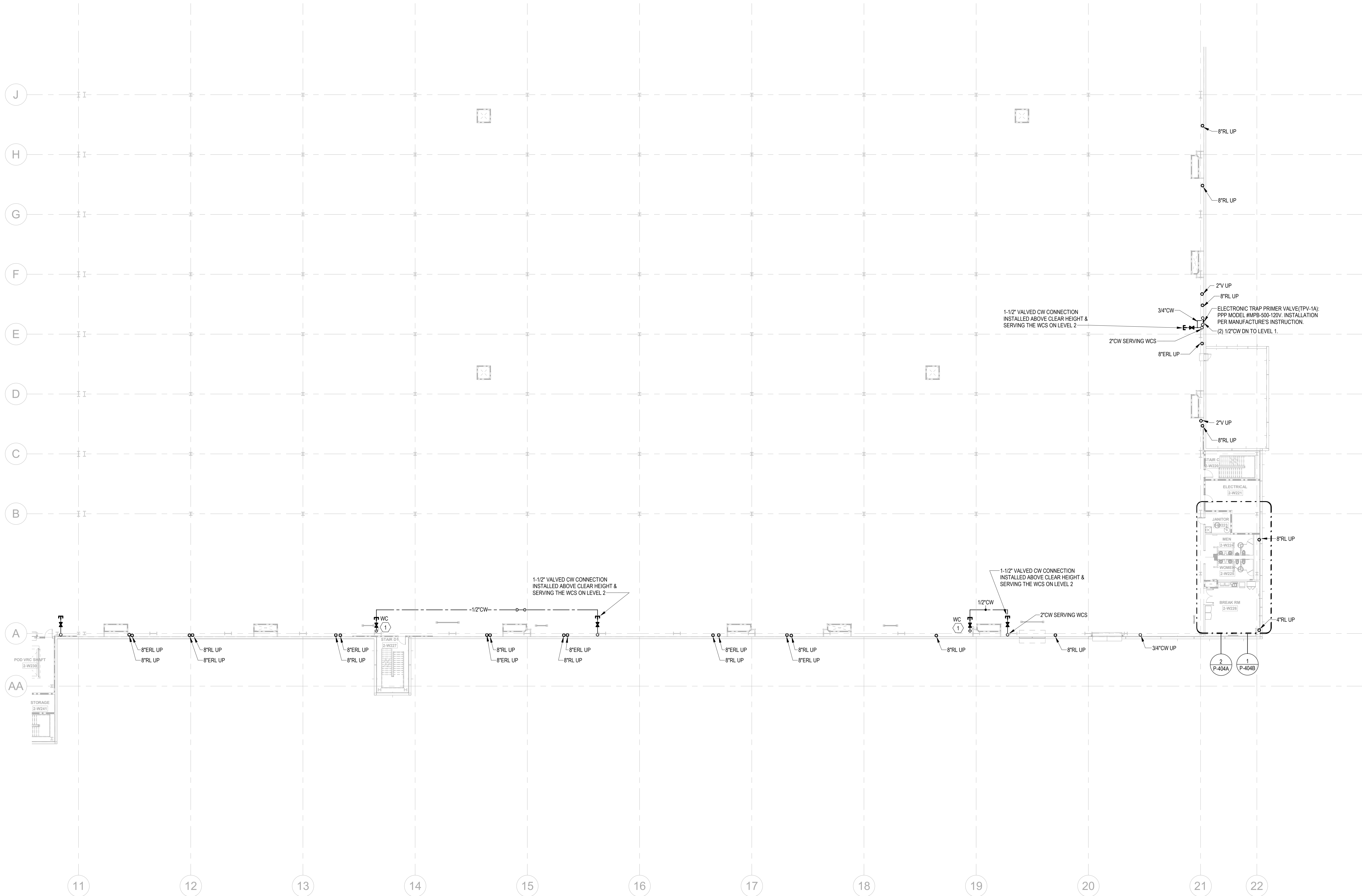
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PARTIAL FLOOR PLANS - LEVEL 2 - A - PLUMBING

1" = 20'-0"

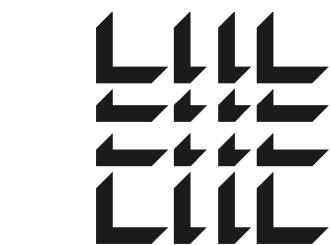
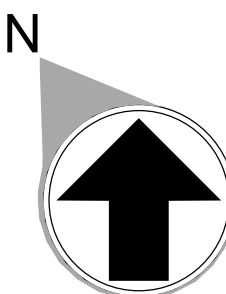


KEYNOTES

- 1 PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANIFOLD. LOCATE BALL VALVE 5'-0" AFF. ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. STUB COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.
- 3 10" STORM PIPE. REFER TO DETAIL 11 ON ARCHITECTURAL SHEET A-503.
- 4 FOR THIS RL, SEE SHEET P-003 DETAIL 6 FOR PIPE MATERIAL.

FLOOR KEY PLAN

C	D
B	A



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Project Number: 24010155
Drawn By: CF Checked By: JMW

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NUMBER	DATE	DESCRIPTION
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DATE	PROJECT NO
--	2024-013

SHEET TITLE

PARTIAL
FLOOR PLAN -
LEVEL 2 A -
PLUMBING

SHEET NUMBER

P-207

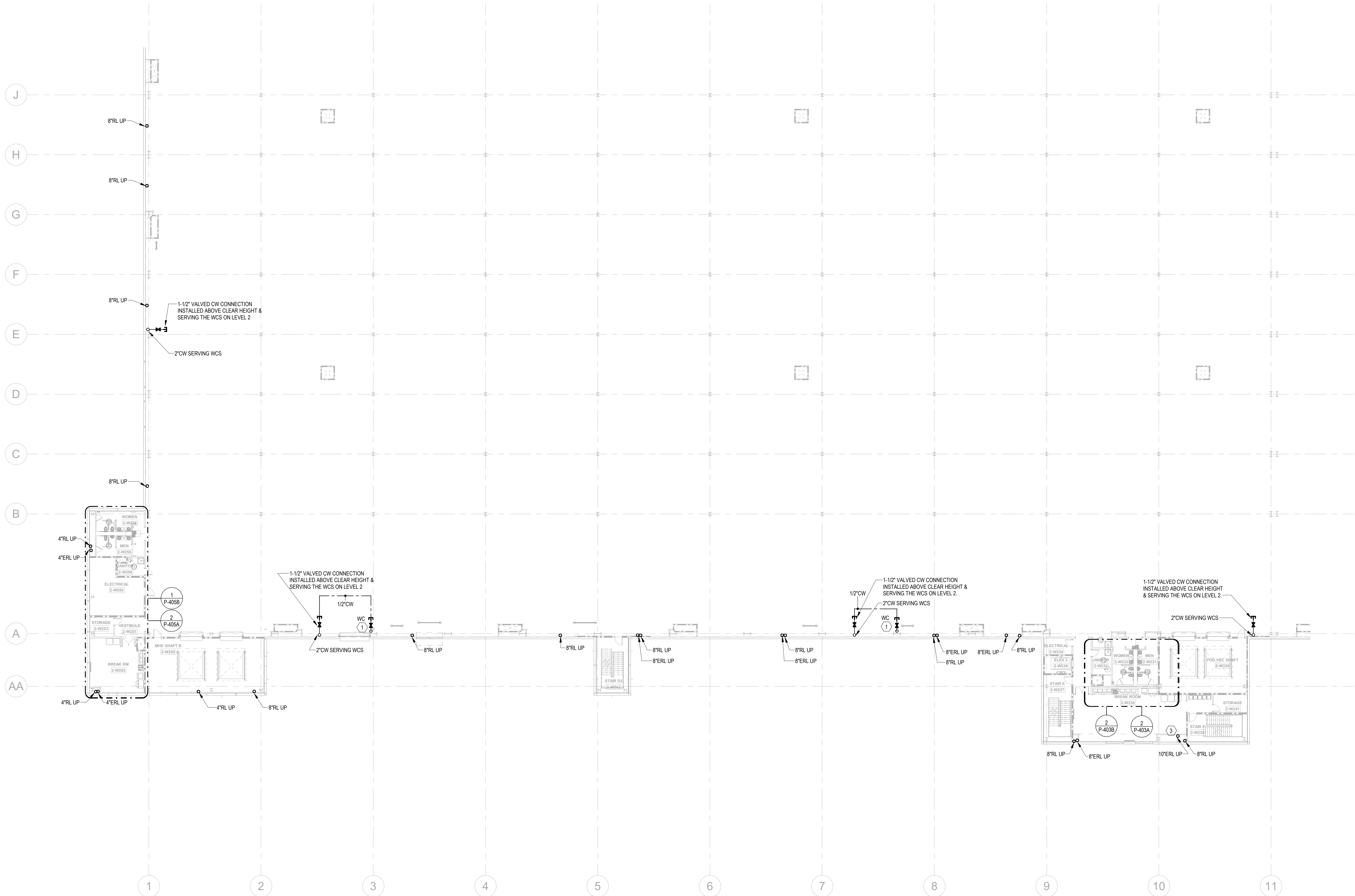
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1

PARTIAL FLOOR PLANS - LEVEL 2 - B - PLUMBING

1" = 20'-0"

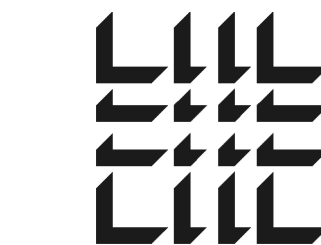
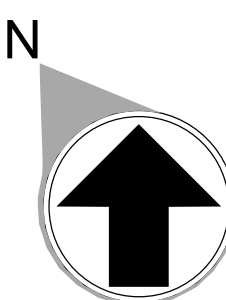


KEYNOTES

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3	10" STORM PIPE, REFER TO DETAIL 11 ON ARCHITECTURAL SHEET A-503.
4	FOR THIS RL, SEE SHEET P-203 DETAIL 6 FOR PIPE MATERIAL.

FLOOR KEY PLAN

C	D
B	A



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Project Number: 24010155
Drawn By: CF Checked By: JMW

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NUMBER	DATE	DESCRIPTION
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SHEET TITLE

PARTIAL
FLOOR PLAN -
LEVEL 2 B -
PLUMBING

SHEET NUMBER

P-208

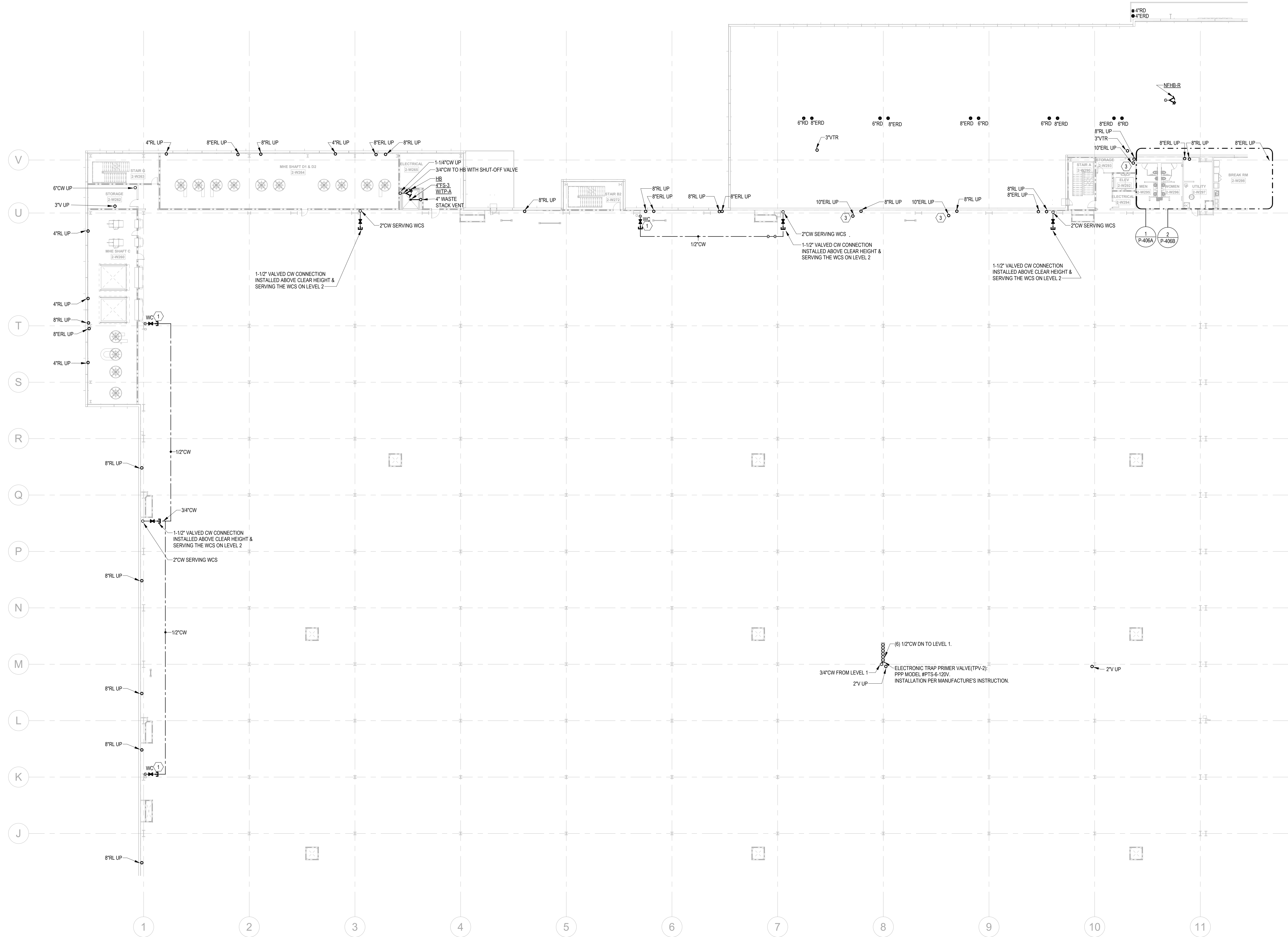
NOT FOR CONSTRUCTION

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1

PARTIAL FLOOR PLANS - LEVEL 2 - C - PLUMBING

1" = 20'-0"

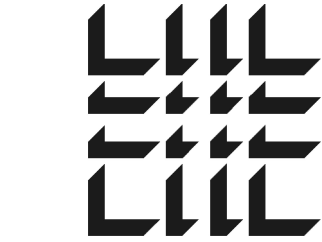
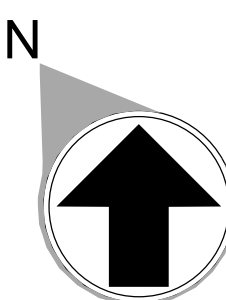


KEYNOTES

- 1 PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANIFOLD. LOCATE BALL VALVE 8'-0" AFF. ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. STUB COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.
- 3 10" STORM PIPE. REFER TO DETAIL 11 ON ARCHITECTURAL SHEET A-503
- 4 FOR THIS RL, SEE SHEET P-203 DETAIL 6 FOR PIPE MATERIAL.

FLOOR KEY PLAN

C	D
B	A



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Project Number: 24010155
Drawn By: CCF Checked By: JMW

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NUMBER	DATE	DESCRIPTION
06/10/24		PRICING SET

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WHALE

WILMINGTON, NC



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SHEET TITLE

PARTIAL
FLOOR PLAN -
LEVEL 2 C -
PLUMBING

SHEET NUMBER

P-209

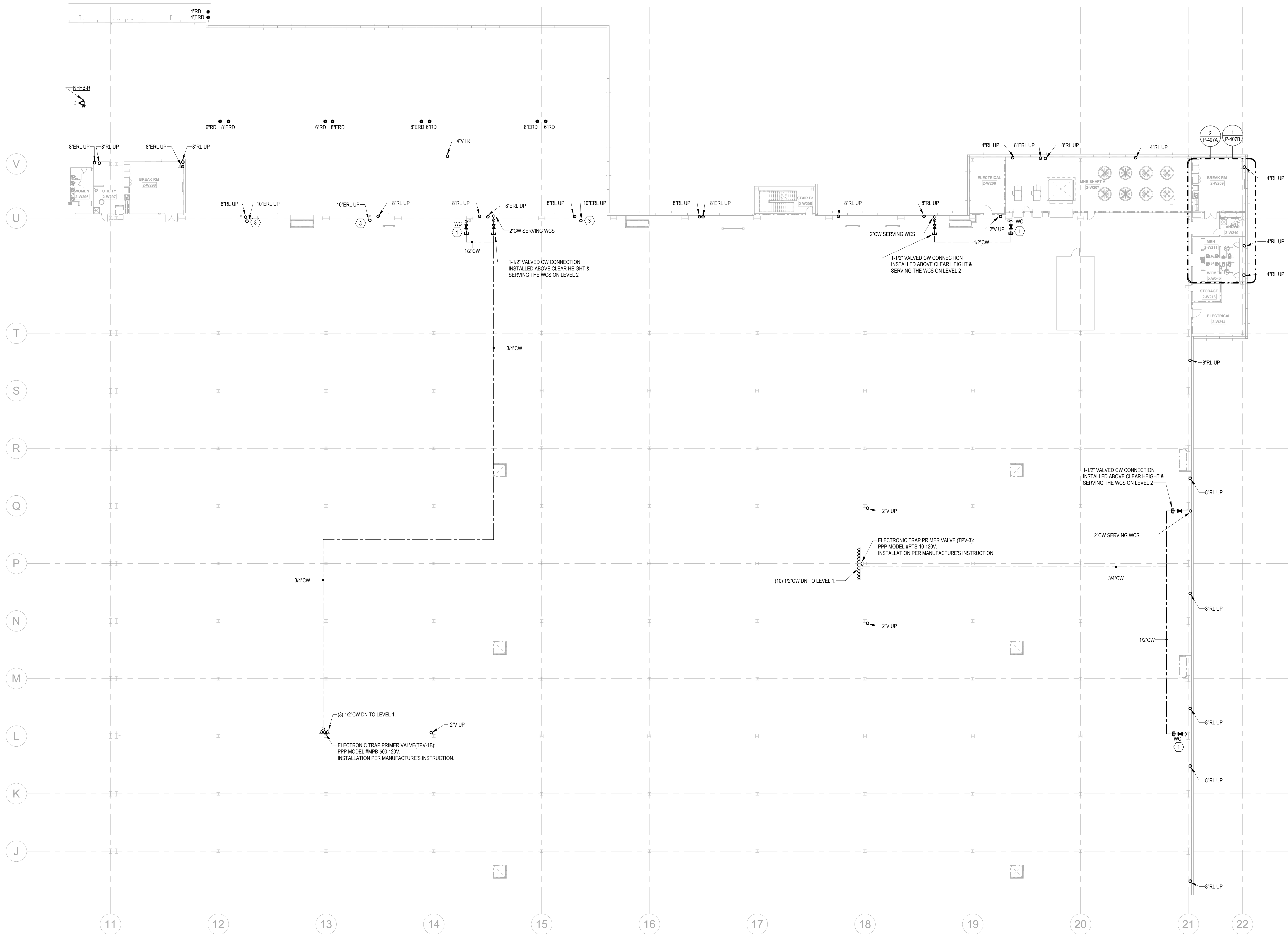
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1

PARTIAL FLOOR PLANS - LEVEL 2 - D - PLUMBING

1" = 20'-0"

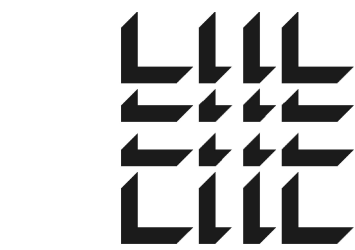
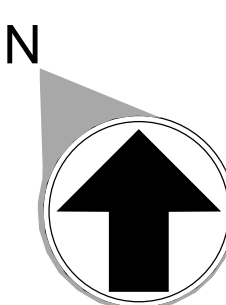


KEYNOTES

1	PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANIFOLD. LOCATE BALL VALVE 8'-0" AFF. ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. STUB COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.
3	10" STORM PIPE, REFER TO DETAIL 11 ON ARCHITECTURAL SHEET A-503.
4	FOR THIS RL, SEE SHEET P-003 DETAIL 6 FOR PIPE MATERIAL.

FLOOR KEY PLAN

C	D
B	A



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DATE	PROJECT NO
--	2024-013

SHEET TITLE

PARTIAL
FLOOR PLAN -
LEVEL 2 D -
PLUMBING

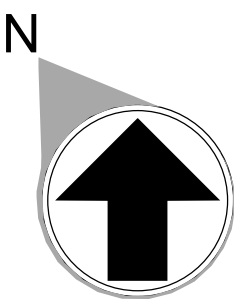
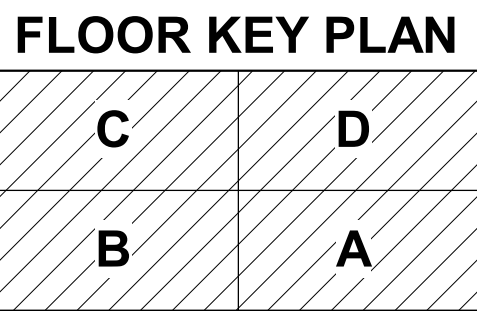
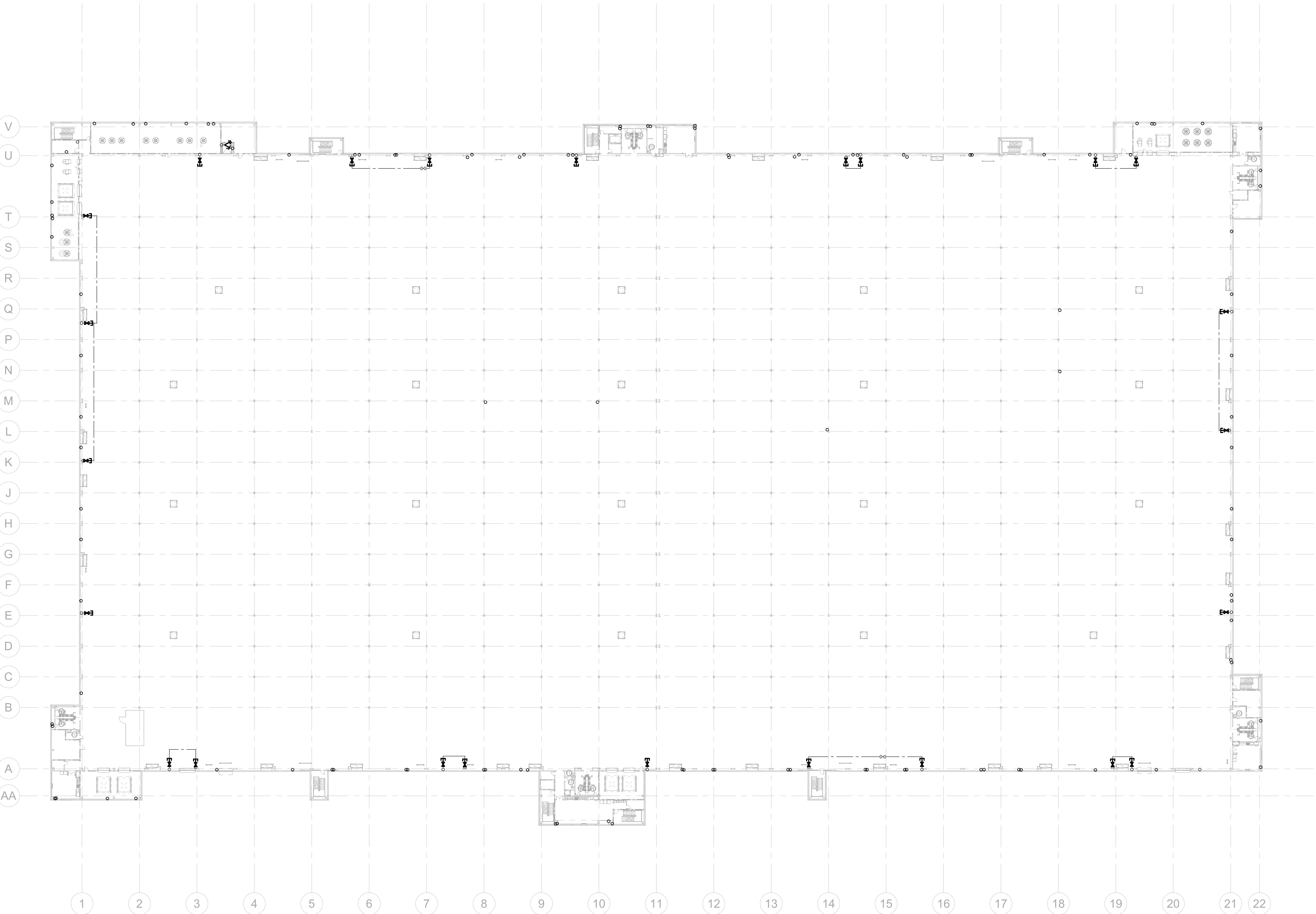
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P-210

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OVERALL FLOOR PLAN - LEVEL 3 - PLUMBING

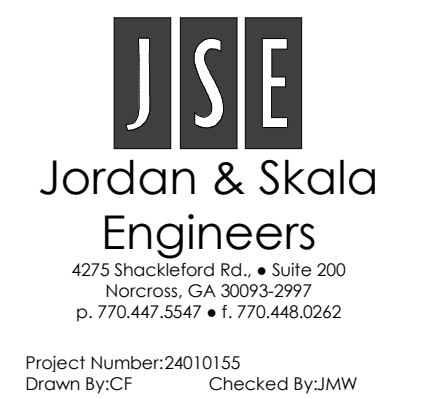


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SHEET TITLE

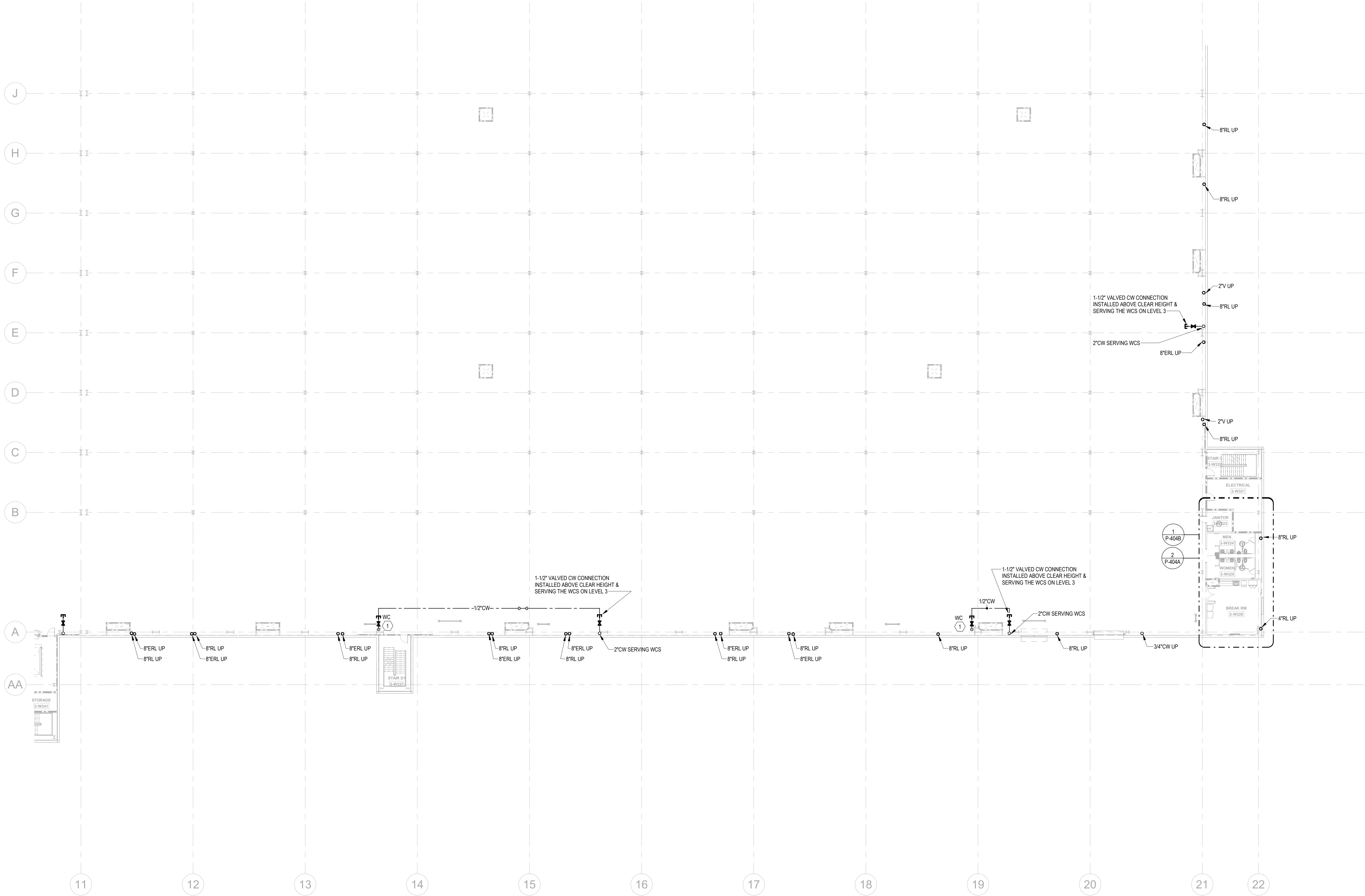
OVERALL
FLOOR PLAN -
LEVEL 3 -
PLUMBING

SHEET NUMBER

P-211

NOT FOR CONSTRUCTION

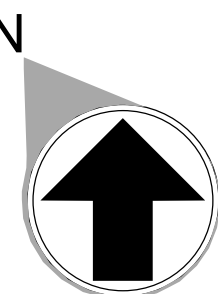
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KEYNOTES	
1	PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANIFOLD. LOCATE BALL VALVE 8'-0" AFF. ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. STUB COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.
3	10" STORM PIPE. REFER TO DETAIL 11 ON ARCHITECTURAL SHEET A-503
4	FOR THIS RL, SEE SHEET P-003 DETAIL 6 FOR PIPE MATERIAL.

FLOOR KEY PLAN

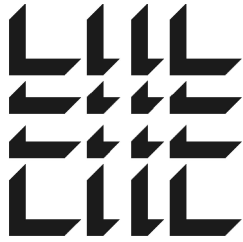
C	D
B	A



1

PARTIAL FLOOR PLANS - LEVEL 3 - A - PLUMBING

1" = 20'-0"



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--	2024-013

SHEET TITLE

PARTIAL
FLOOR PLAN -
LEVEL 3 A -
PLUMBING

SHEET NUMBER

P-212

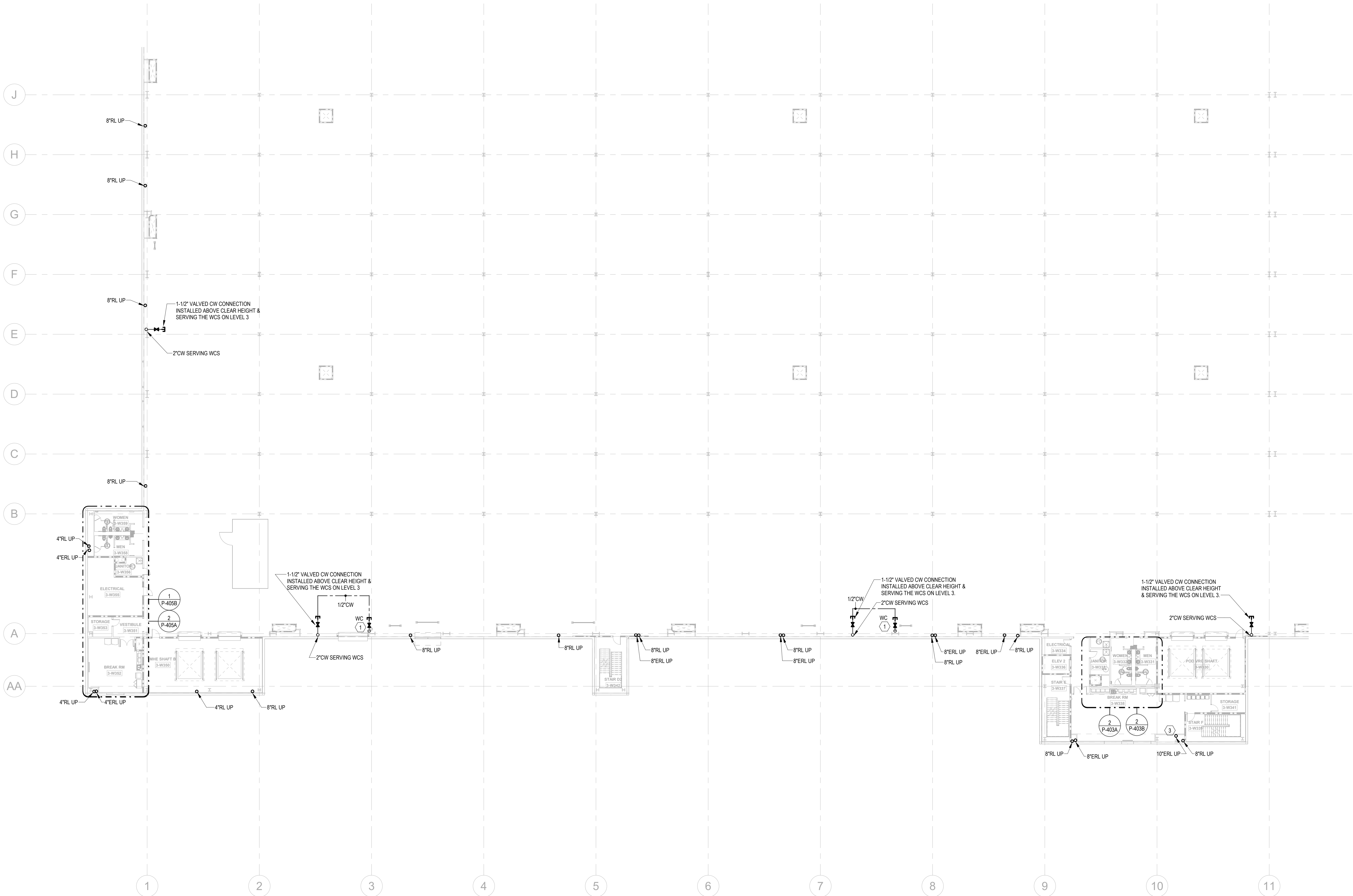
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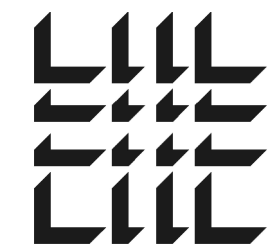
PARTIAL FLOOR PLANS - LEVEL 3 - B - PLUMBING

1" = 20'-0"



KEYNOTES

- 1 PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANIFOLD. LOCATE BALL VALVE 8'-0" R/F. ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. STUB COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.
- 3 10" STORM PIPE. REFER TO DETAIL 11 ON ARCHITECTURAL SHEET A-503.
- 4 FOR THIS RL, SEE SHEET P-003 DETAIL 6 FOR PIPE MATERIAL.



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SHEET TITLE

PARTIAL
FLOOR PLAN -
LEVEL 3 B -
PLUMBING

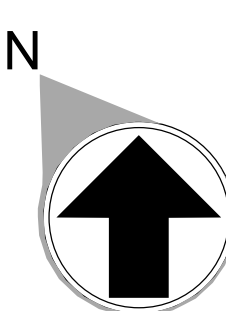
SHEET NUMBER

P-213

NOT FOR CONSTRUCTION

FLOOR KEY PLAN

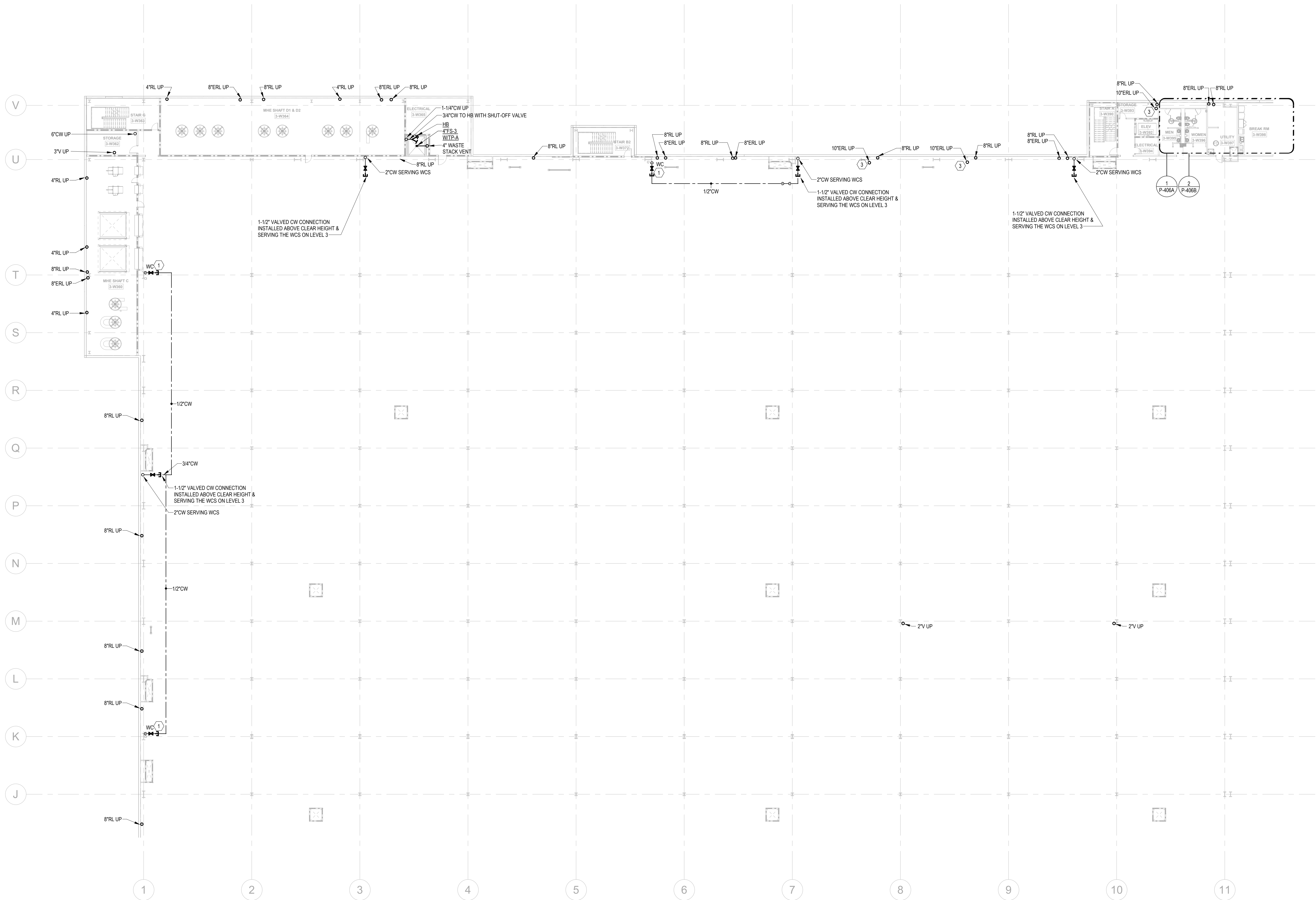
C	D
B	A



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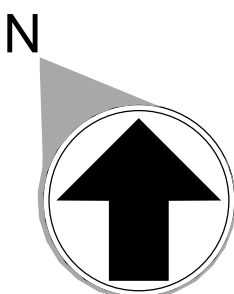
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1" = 20'-0"

PARTIAL FLOOR PLANS - LEVEL 3 - C - PLUMBING



KEYNOTES	
1	PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANIFOLD. LOCATE BALL VALVE 8'-0" AFF. ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. STUB COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.
3	10" STORM PIPE. REFER TO DETAIL 11 ON ARCHITECTURAL SHEET A-503.
4	FOR THIS RL, SEE SHEET P-003 DETAIL 6 FOR PIPE MATERIAL.

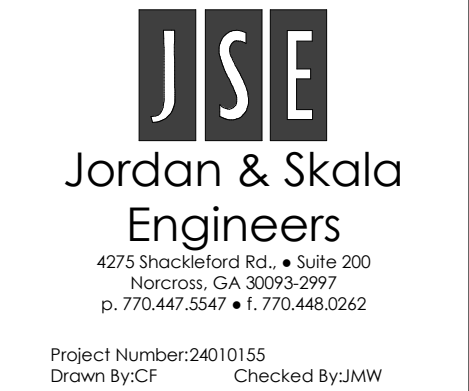
FLOOR KEY PLAN	
C	D
B	A



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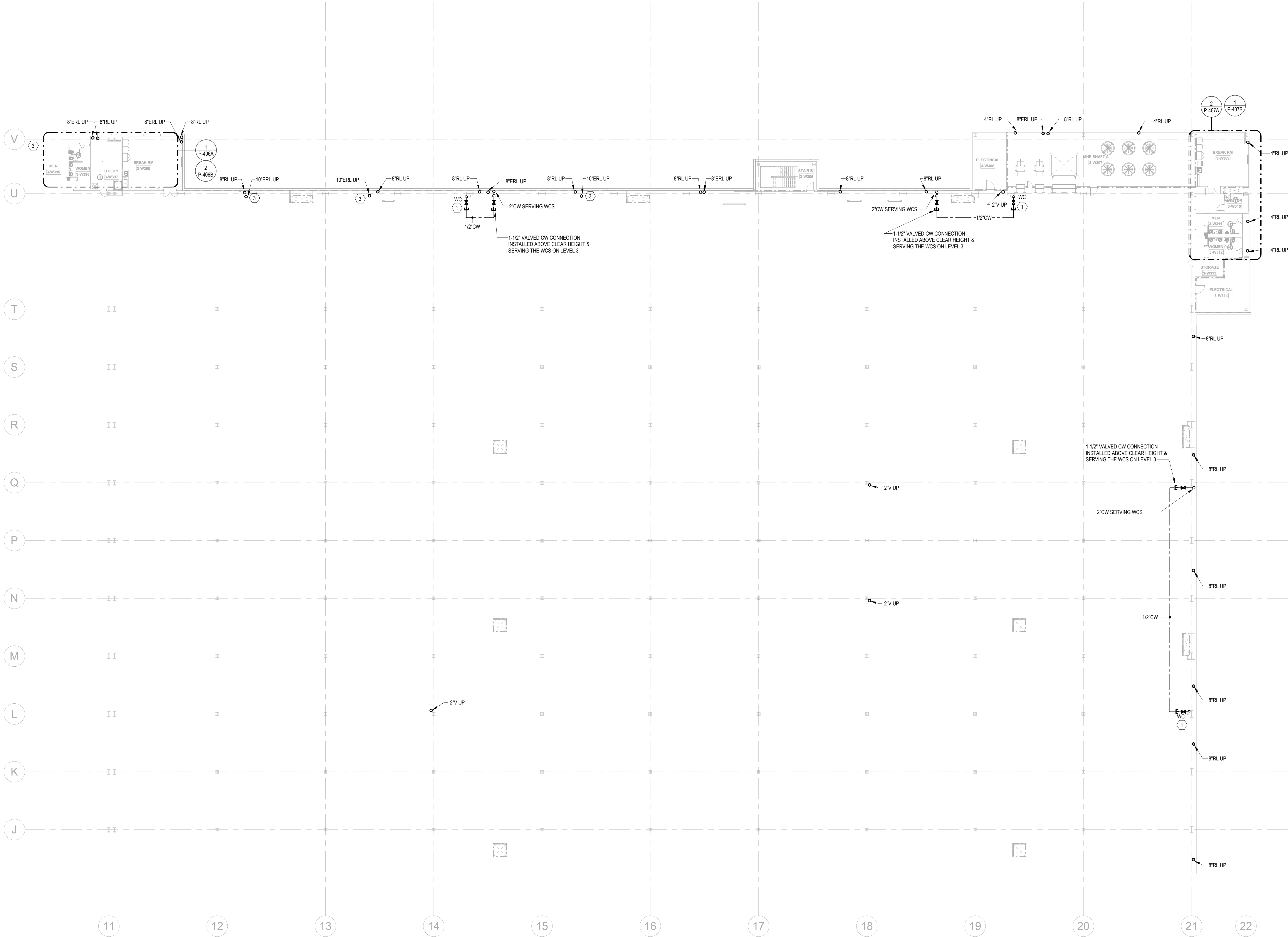
SHEET TITLE
PARTIAL
FLOOR PLAN -
LEVEL 3 C -
PLUMBING

SHEET NUMBER

P-214

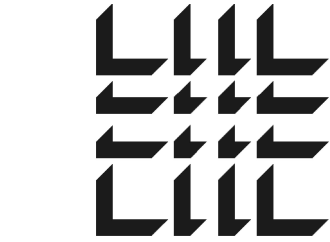
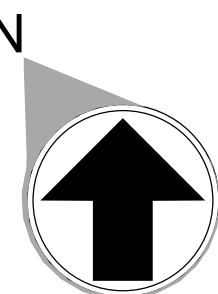
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KEYNOTES	
1	PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANIFOLD. LOCATE BALL VALVE 8'-0" AFF. ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. STUB COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL INSTALLATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.
3	10" STORM PIPE, REFER TO DETAIL 11 ON ARCHITECTURAL SHEET A-503.
4	FOR THIS RL, SEE SHEET P-003 DETAIL 6 FOR PIPE MATERIAL.

FLOOR KEY PLAN	
C	D
B	A



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Project Number: 24010155
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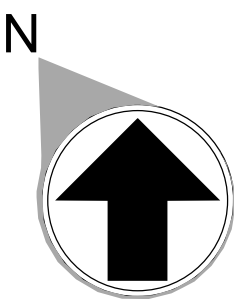
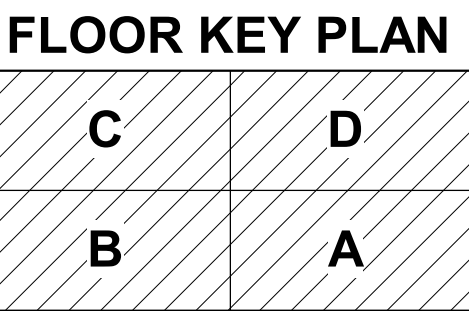
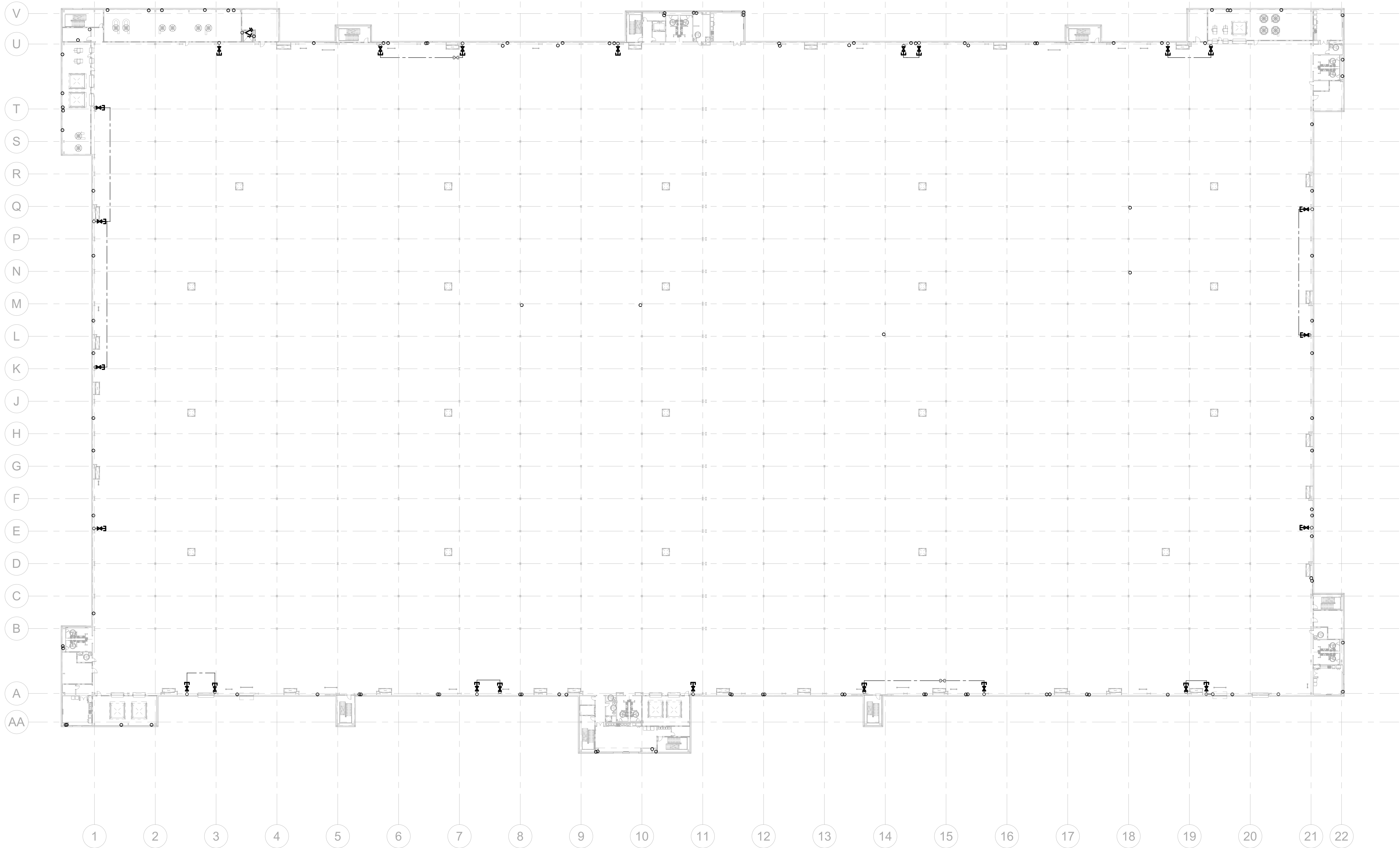
SHEET TITLE
PARTIAL
FLOOR PLAN -
LEVEL 3 D -
PLUMBING

SHEET NUMBER

P-215

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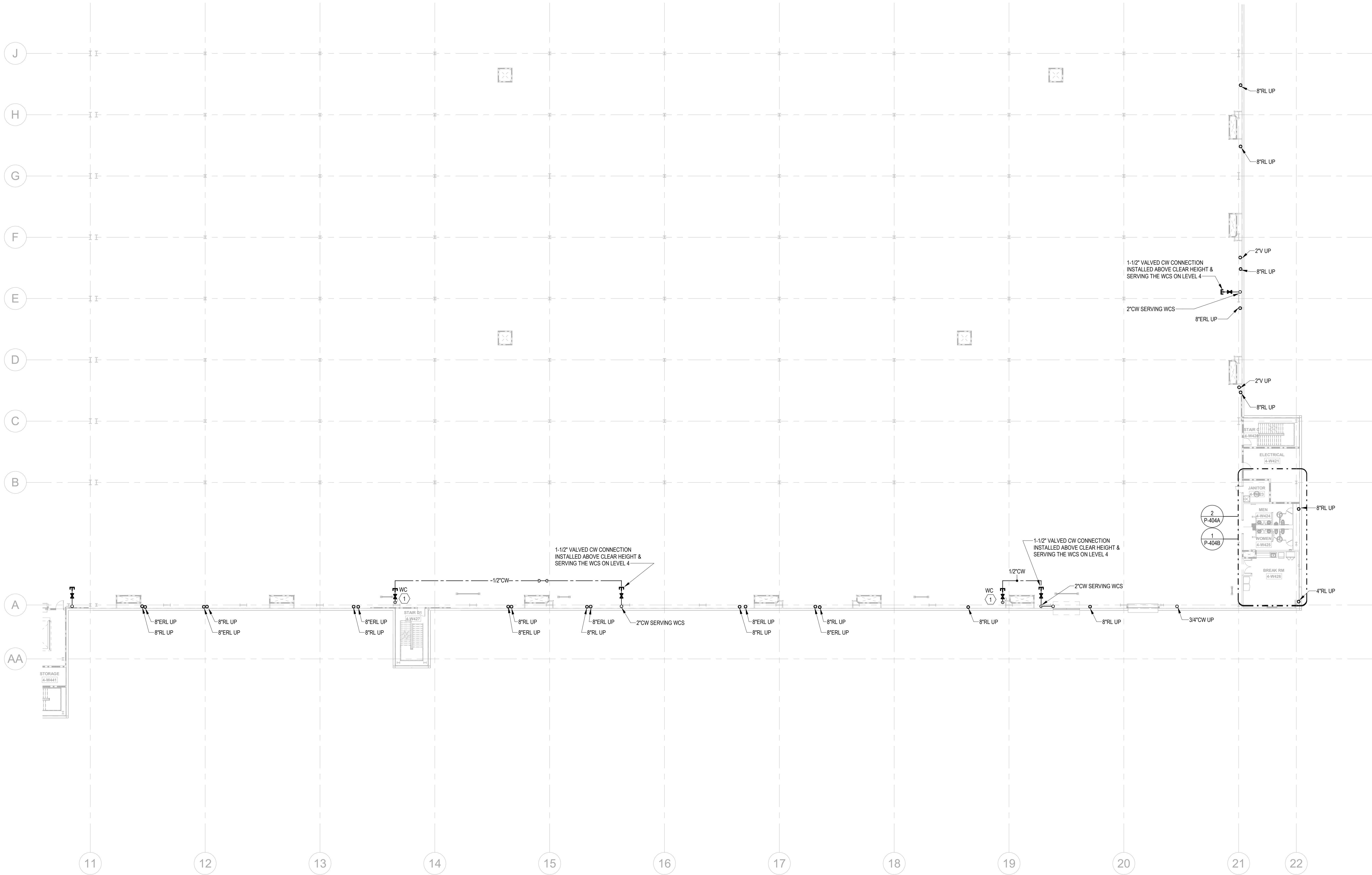
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OVERALL
FLOOR PLAN -
LEVEL 4 -
PLUMBING

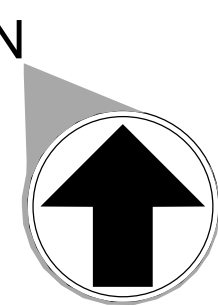
P-216

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KEYNOTES	
1	PROVIDE 1/2\"/>
3	10\"/>
4	FOR THIS RL, SEE SHEET P-003 DETAIL 6 FOR PIPE MATERIAL.

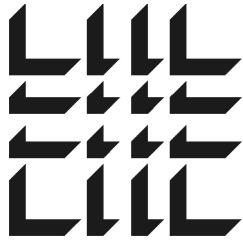
FLOOR KEY PLAN	
C	D
B	A



1

PARTIAL FLOOR PLANS - LEVEL 4 - A - PLUMBING

1" = 20'-0"



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SHEET TITLE

PARTIAL
FLOOR PLAN -
LEVEL 4 A -
PLUMBING

SHEET NUMBER

P-217

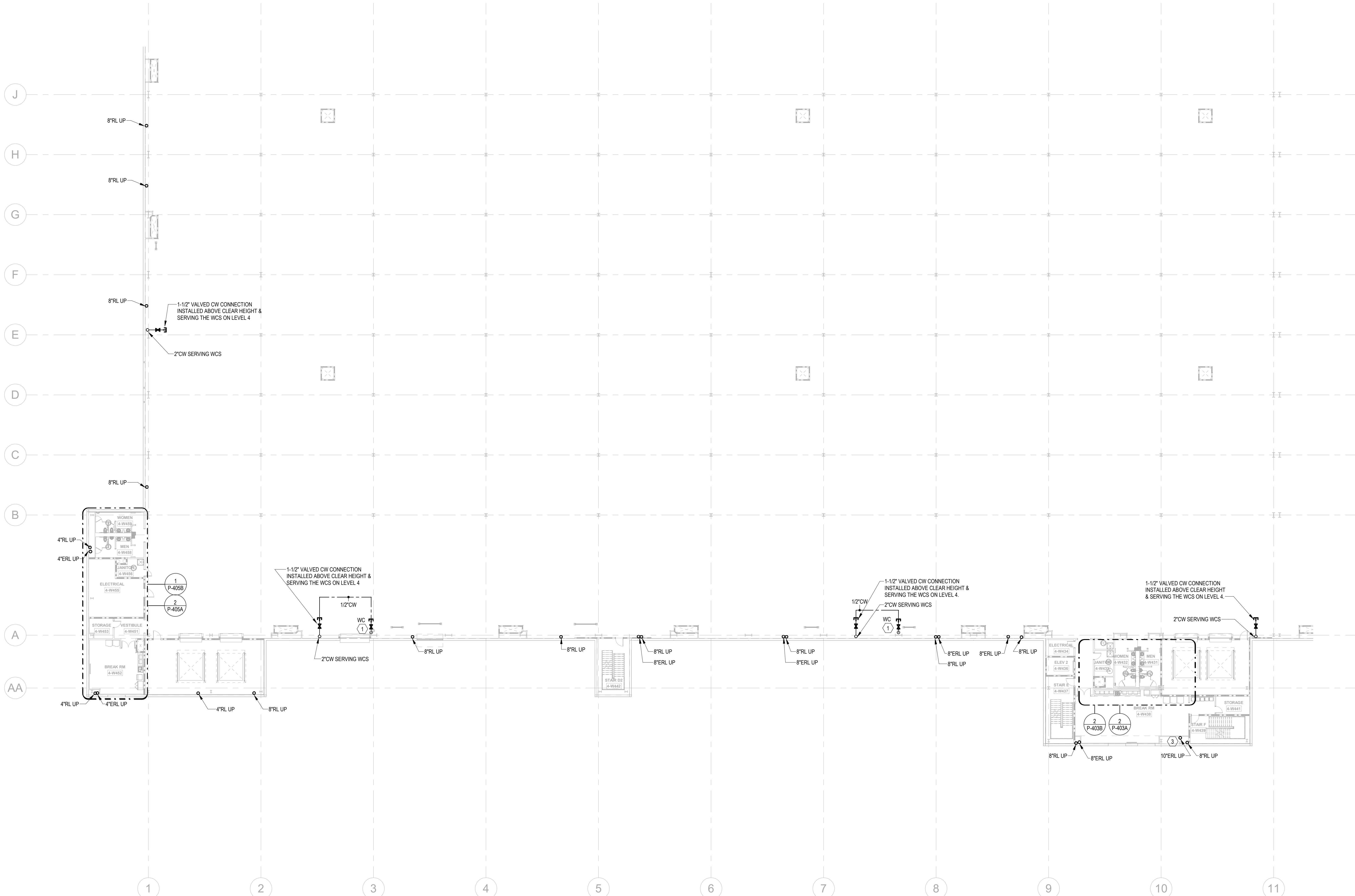
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6/7/2024 4:41:58 PM

1

PARTIAL FLOOR PLANS - LEVEL 4 - B - PLUMBING

1" = 20'-0"

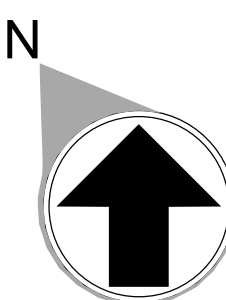


KEYNOTES

1	PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANIFOLD. LOCATE BALL VALVE 8'-0" AFF. ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. STUB COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.
3	10" STORM PIPE. REFER TO DETAIL 11 ON ARCHITECTURAL SHEET A-503.
4	FOR THIS RL, SEE SHEET P-003 DETAIL 6 FOR PIPE MATERIAL.

FLOOR KEY PLAN

C	D
B	A



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--	2024-013

SHEET TITLE

PARTIAL
FLOOR PLAN -
LEVEL 4 B -
PLUMBING

SHEET NUMBER

P-218

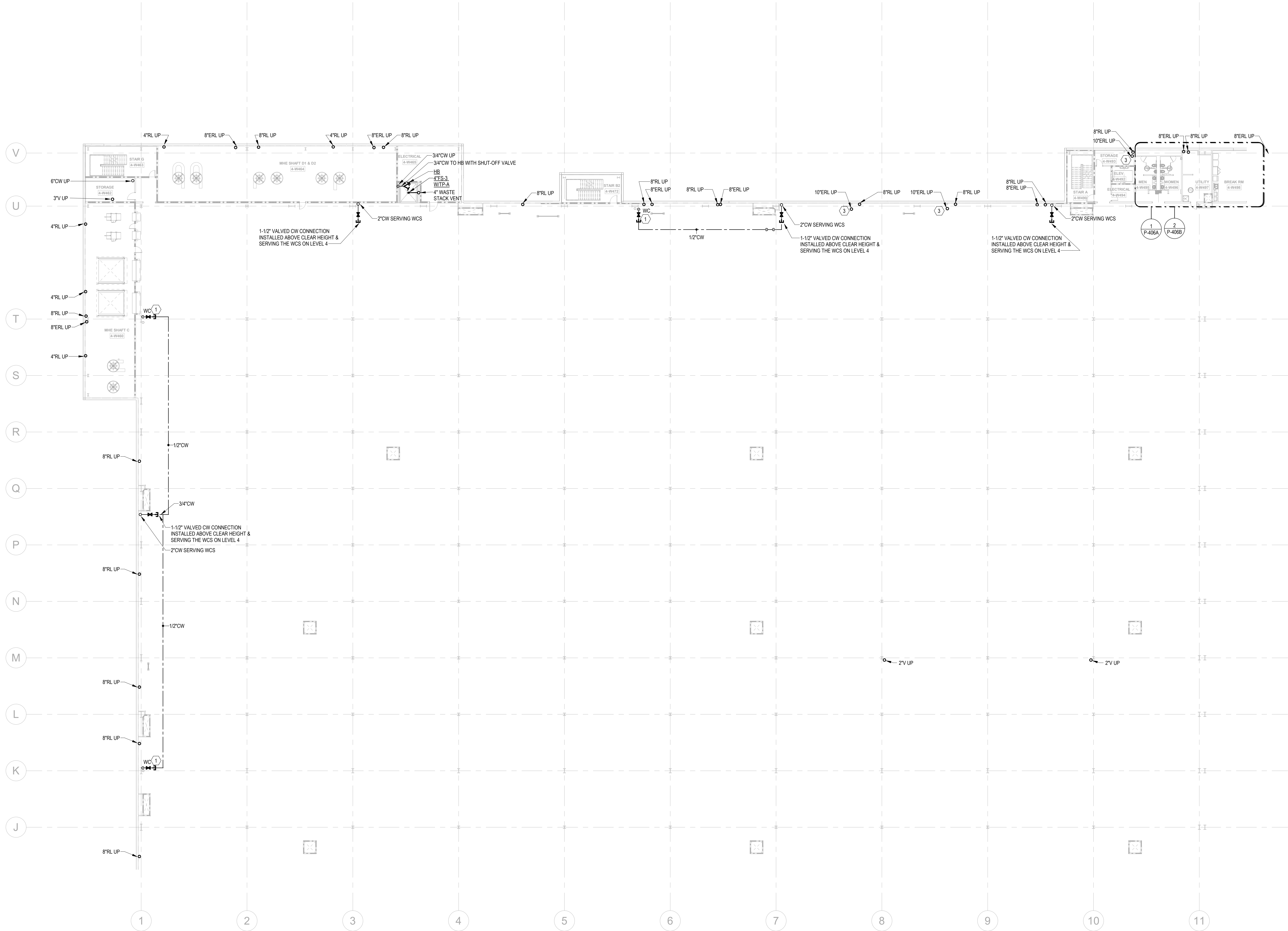
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6/7/2024 4:42:38 PM

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PARTIAL FLOOR PLANS - LEVEL 4 - C - PLUMBING

1" = 20'-0"

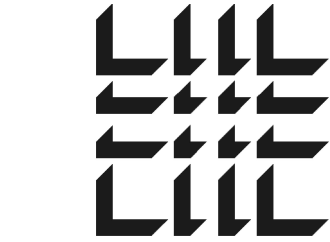
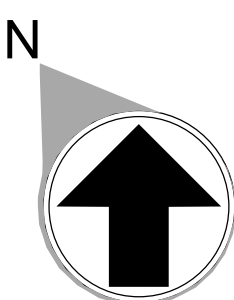


KEYNOTES

- 1 PROVIDE 1/2\"/>
- 3 1/2\"/>
- 4 FOR THIS RL, SEE SHEET P-003 DETAIL 6 FOR PIPE MATERIAL.

FLOOR KEY PLAN

C	D
B	A



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Project Number: 24010155
Drawn By: CCF Checked By: JMW

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NUMBER	DATE	DESCRIPTION
06/10/24		PRICING SET

PROJECT INFORMATION

PROJECT
WHALE

WILMINGTON, NC



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DATE	PROJECT NO
--	2024-013

SHEET TITLE
PARTIAL
FLOOR PLAN -
LEVEL 4 C -
PLUMBING

SHEET NUMBER

P-219

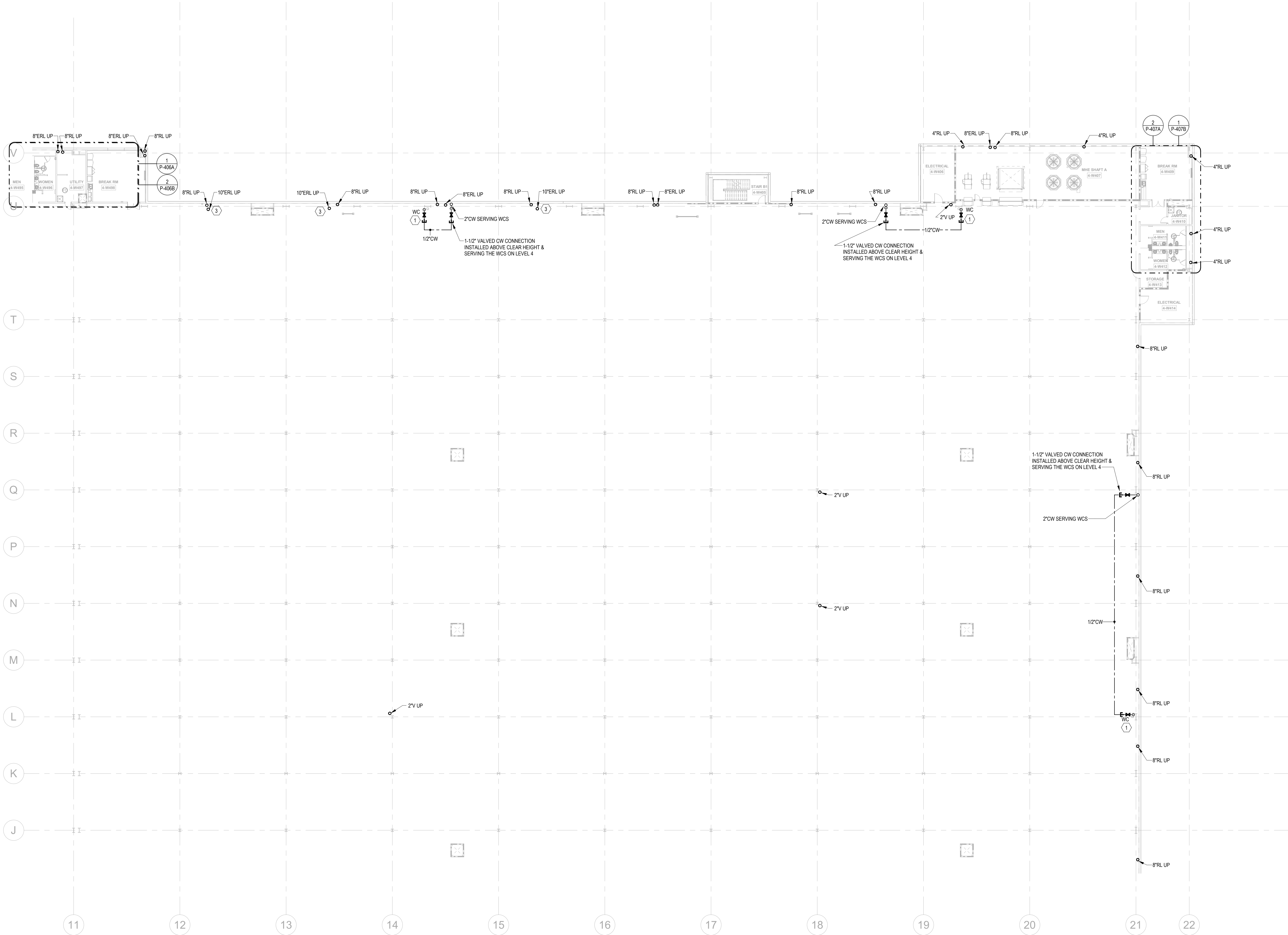
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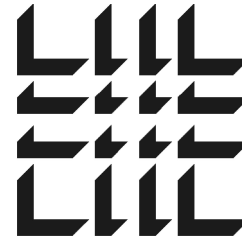
PARTIAL FLOOR PLANS - LEVEL 4 - D - PLUMBING

1" = 20'-0"



KEYNOTES

1	PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANIFOLD. LOCATE BALL VALVE 8'-0" AFF. ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. STUB COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.
3	10" STORM PIPE, REFER TO DETAIL 11 ON ARCHITECTURAL SHEET A-503.
4	FOR THIS RL, SEE SHEET P-003 DETAIL 6 FOR PIPE MATERIAL.



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Project Number: 24010155
Drawn By: JCF Checked By: JMW

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DATE	PROJECT NO
--	2024-013

SHEET TITLE

PARTIAL
FLOOR PLAN -
LEVEL 4 D -
PLUMBING

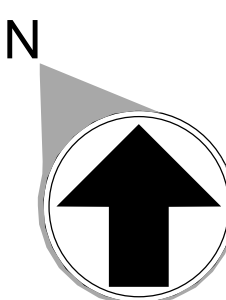
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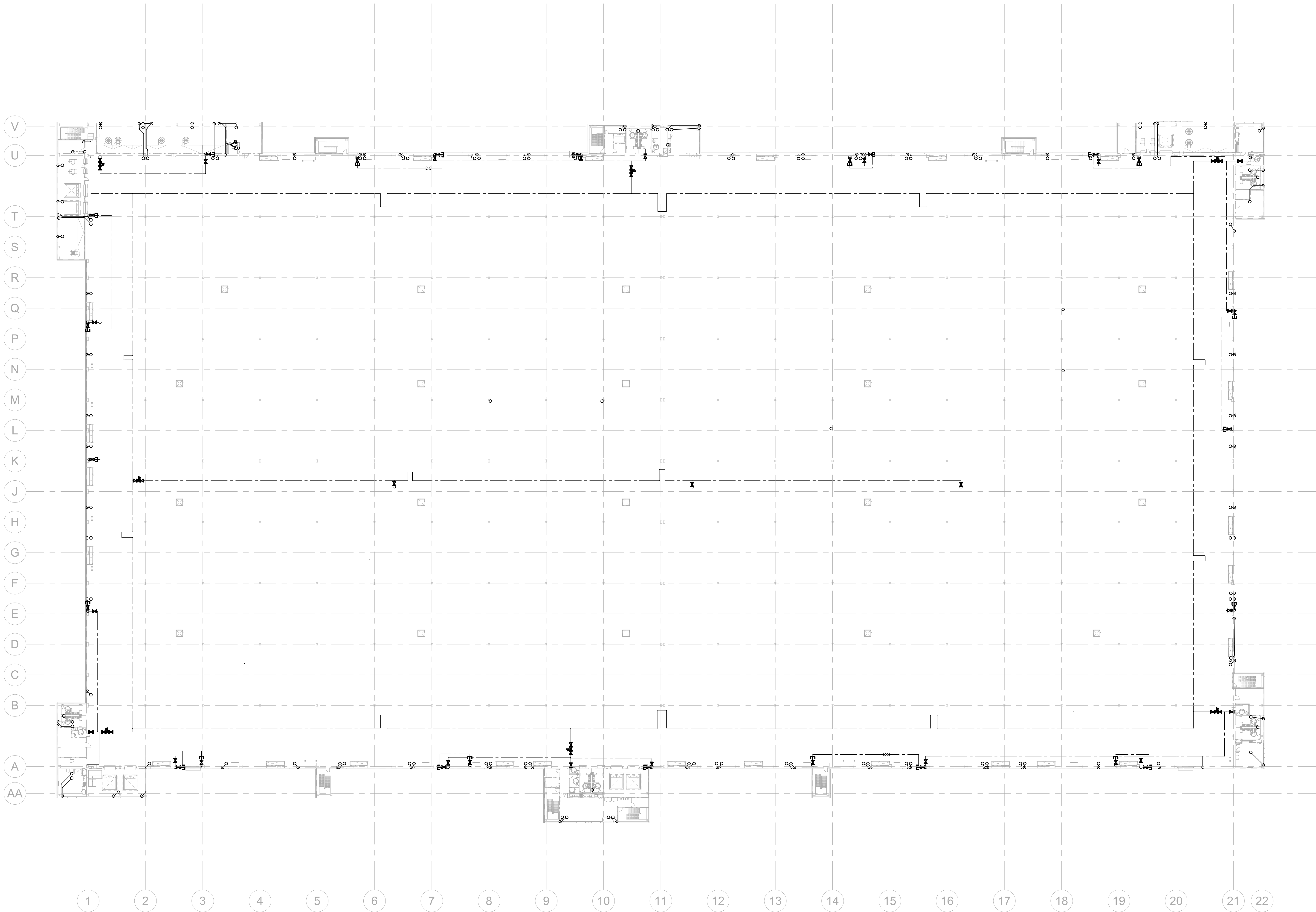
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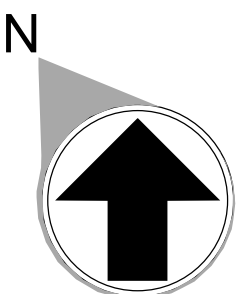
FLOOR KEY PLAN

C	D
B	A





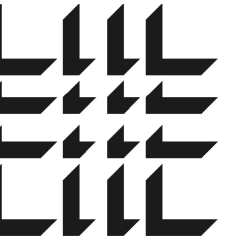
FLOOR KEY PLAN	
C	D
B	A



1

OVERALL FLOOR PLAN - LEVEL 5 - PLUMBING

1" = 40'-0"



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DATE	PROJECT NO
--	2024-013

SHEET TITLE

OVERALL
FLOOR PLAN -
LEVEL 5 -
PLUMBING

SHEET NUMBER

P-221

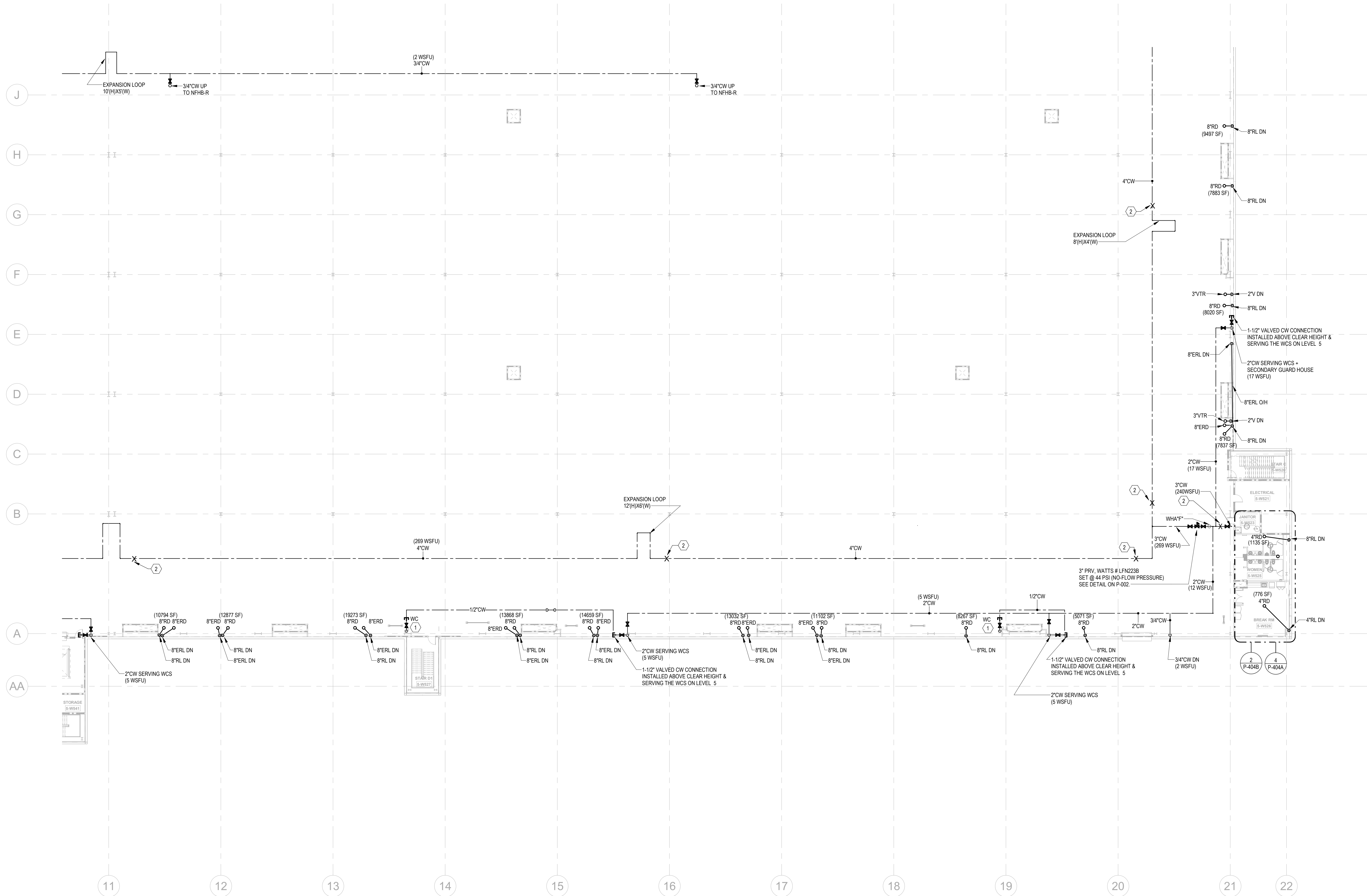
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PARTIAL FLOOR PLANS - LEVEL 5 - A - PLUMBING

1" = 20'-0"



STORM DRAINAGE NOTES:
STORM PIPING & ROOF DRAINS ARE SIZED BASED ON 2018 NORTH CAROLINA PLUMBING CODE.
(PRIMARY ROOF DRAIN: BASED ON RAINFALL RATE OF 4.5" ONE-HOUR DURATION AND A 100-YEAR RETURN PERIOD;
SECONDARY ROOF DRAIN: BASED ON 100-YEAR, 15-MINUTE RAINFALL (8.5" HOUR)
ABOVE GROUND, OFFSET RAIN WATER LEADER AT ROOF 45-DEGREE ANGLE, WHILE MAINTAINING FLOOR CLEAR HEIGHT,
WHERE 45-DEGREE OFFSETS ARE NOT POSSIBLE, ALL HORIZONTAL STORM PIPING ABOVE GROUND SHALL SLOPE AT 1/4" PER FOOT, MINIMUM, UON.
DOWNSPOUT NOZZLE SHALL BE INSTALLED AT 24" ABOVE FINISHED GRADE, UON.

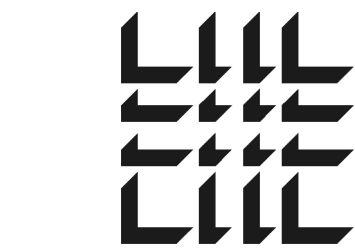
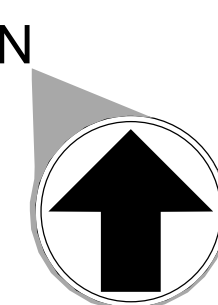
KEYNOTES

1	PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANIFOLD. LOCATE BALL VALVE 8'-0" AFF. ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. STUB COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.
2	PROVIDE LONGITUDINAL AND TRANSVERSE BRACING. SEE DETAILS ON P-003.
3	1/2" STORM PIPE. REFER TO DETAIL 11 ON ARCHITECTURAL SHEET A-500.
4	FOR THIS RL, SEE SHEET P-003 DETAIL 6 FOR PIPE MATERIAL.

NOTE:
DOMESTIC WATER MAINS, VALVES & PRVS TO BE INSTALLED OUTSIDE OF THE ROBOTICS FIELD. COORDINATE ROUTING WITH CLEAR HEIGHT REQUIREMENTS AND ALL TRADES, INCLUDING MECHANICAL DUCT LOCATIONS.

FLOOR KEY PLAN

C	D
B	A



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Project Number: 24010155 Checked By: JMW
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WILMINGTON, NC



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DATE	PROJECT NO
--	2024-013

SHEET TITLE
PARTIAL
FLOOR PLAN -
LEVEL 5 A -
PLUMBING

SHEET NUMBER

P-222

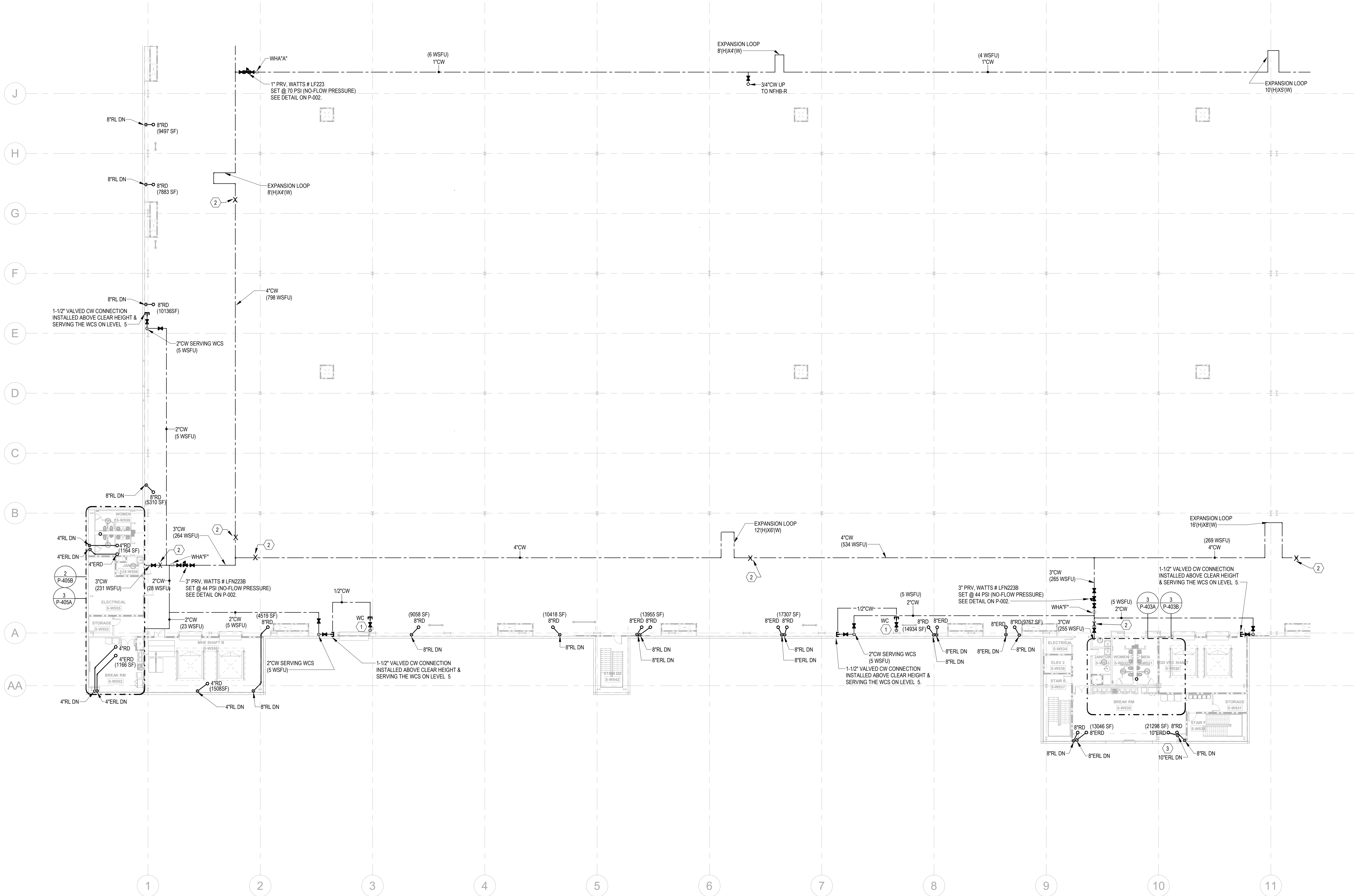
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1

PARTIAL FLOOR PLANS - LEVEL 5 - B - PLUMBING

1" = 20'-0"

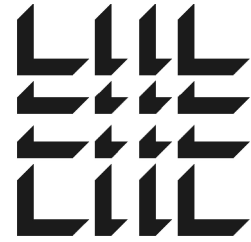


STORM DRAINAGE NOTES:
STORM PIPING & ROOF DRAINS ARE SIZED BASED ON 2018 NORTH CAROLINA PLUMBING CODE.
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DOWNSPOUT NOZZLE SHALL BE INSTALLED AT 24" ABOVE FINISHED GRADE, U.O.N.

KEYNOTES

1	PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANIFOLD. LOCATE BALL VALVE 8'-0" AFF. ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. STUB COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.
2	PROVIDE LONGITUDINAL AND TRANSVERSE BRACING. SEE DETAILS ON P-003.
3	10" STORM PIPE, REFER TO DETAIL 11 ON ARCHITECTURAL SHEET A-003.
4	FOR THIS RL, SEE SHEET P-003 DETAIL 6 FOR PIPE MATERIAL.

NOTE:
DOMESTIC WATER MAINS, VALVES & PRVS TO BE INSTALLED OUTSIDE OF THE ROBOTICS FIELD. COORDINATE ROUTING WITH CLEAR HEIGHT REQUIREMENTS AND ALL TRADES, INCLUDING MECHANICAL DUCT LOCATIONS.



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Project Number: 24010155
Drawn By: CF Checked By: JMW

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SHEET TITLE

PARTIAL
FLOOR PLAN -
LEVEL 5 B -
PLUMBING

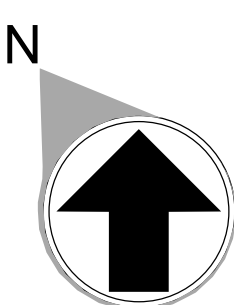
SHEET NUMBER

P-223

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FLOOR KEY PLAN

C	D
B	A



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1

PARTIAL FLOOR PLANS - LEVEL 5 - C - PLUMBING

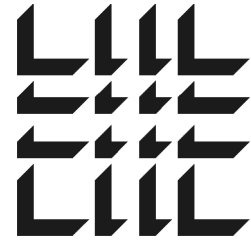
1" = 20'-0"

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DOWNSPOUT NOZZLE SHALL BE INSTALLED AT 24" ABOVE FINISHED GRADE, UON.

KEYNOTES

1	PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANIFOLD. LOCATE BALL VALVE 8'-0" AFF. ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. STUB COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER. LOCATION TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.
2	PROVIDE LONGITUDINAL AND TRANSVERSE BRACING. SEE DETAILS ON P-003.
3	10" STORM PIPE, REFER TO DETAIL 11 ON ARCHITECTURAL SHEET A-003.
4	FOR THIS RL, SEE SHEET P-003 DETAIL 6 FOR PIPE MATERIAL.

NOTE:
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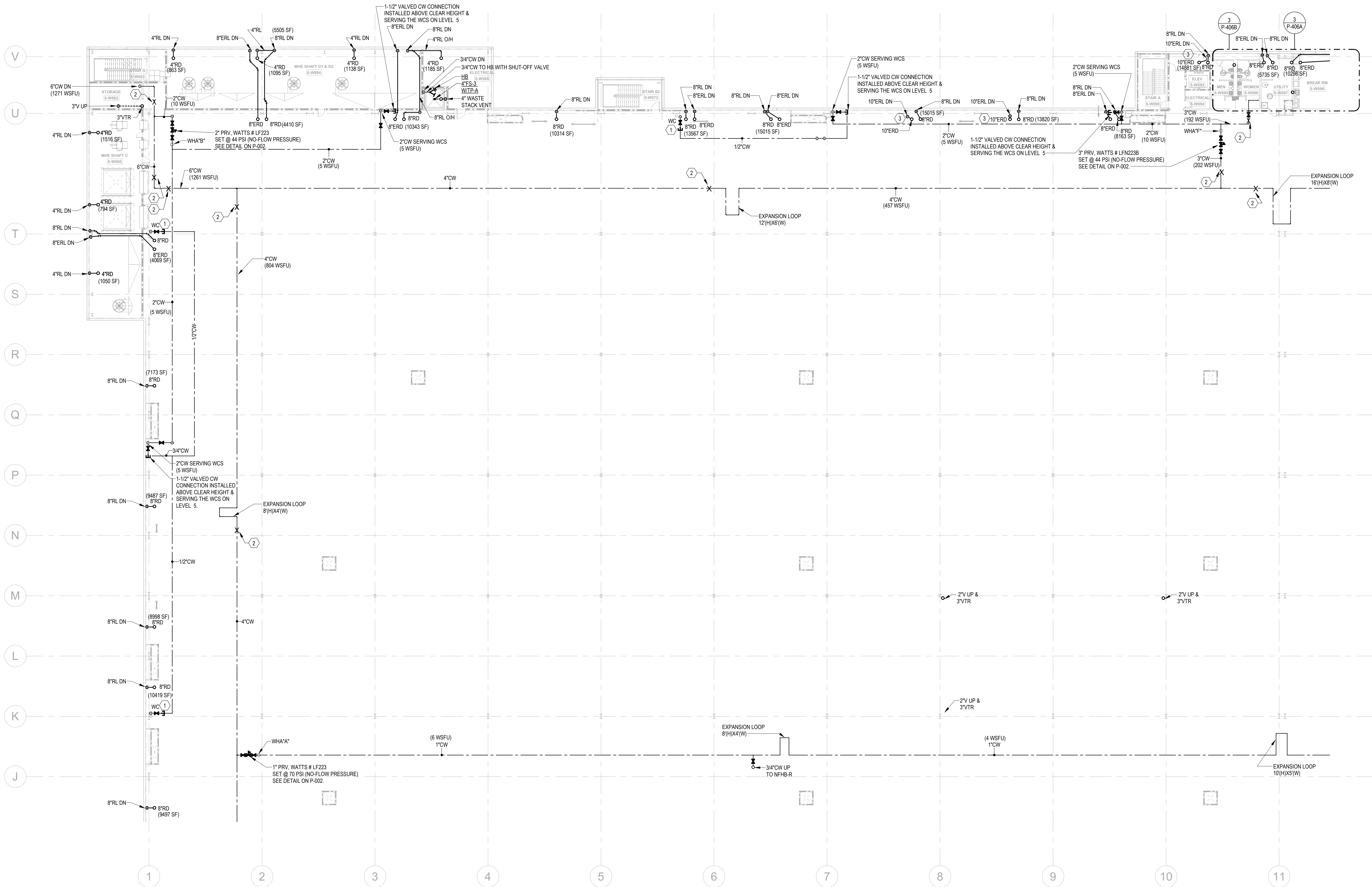
SHEET TITLE

PARTIAL
FLOOR PLAN -
LEVEL 5 C -
PLUMBING

SHEET NUMBER

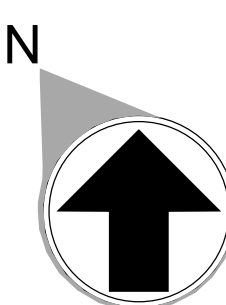
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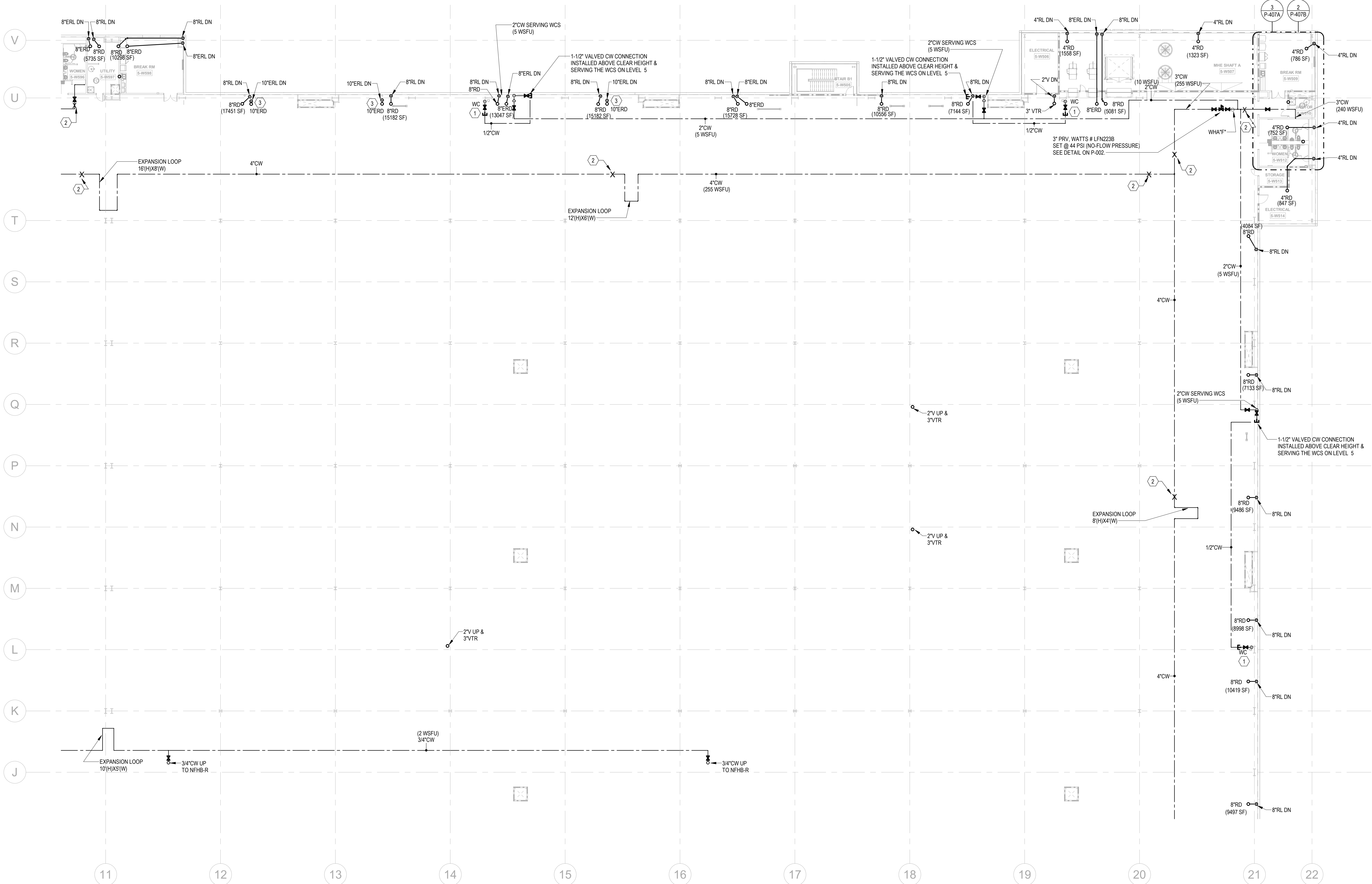


FLOOR KEY PLAN

C	D
B	A



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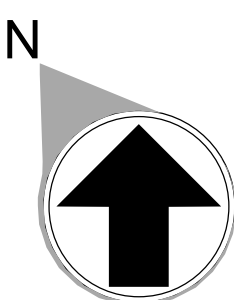
KEYNOTES

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FLOOR KEY PLAN

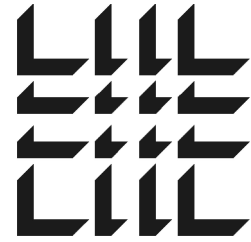
C	D
B	A



1

PARTIAL FLOOR PLANS - LEVEL 5 - D - PLUMBING

1" = 20'-0"

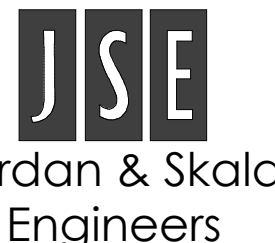


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Project Number: 24010155
Drawn By: CCF Checked By: JMM

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WHALE

WILMINGTON, NC



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SHEET TITLE

PARTIAL
FLOOR PLAN -
LEVEL 5 D -
PLUMBING

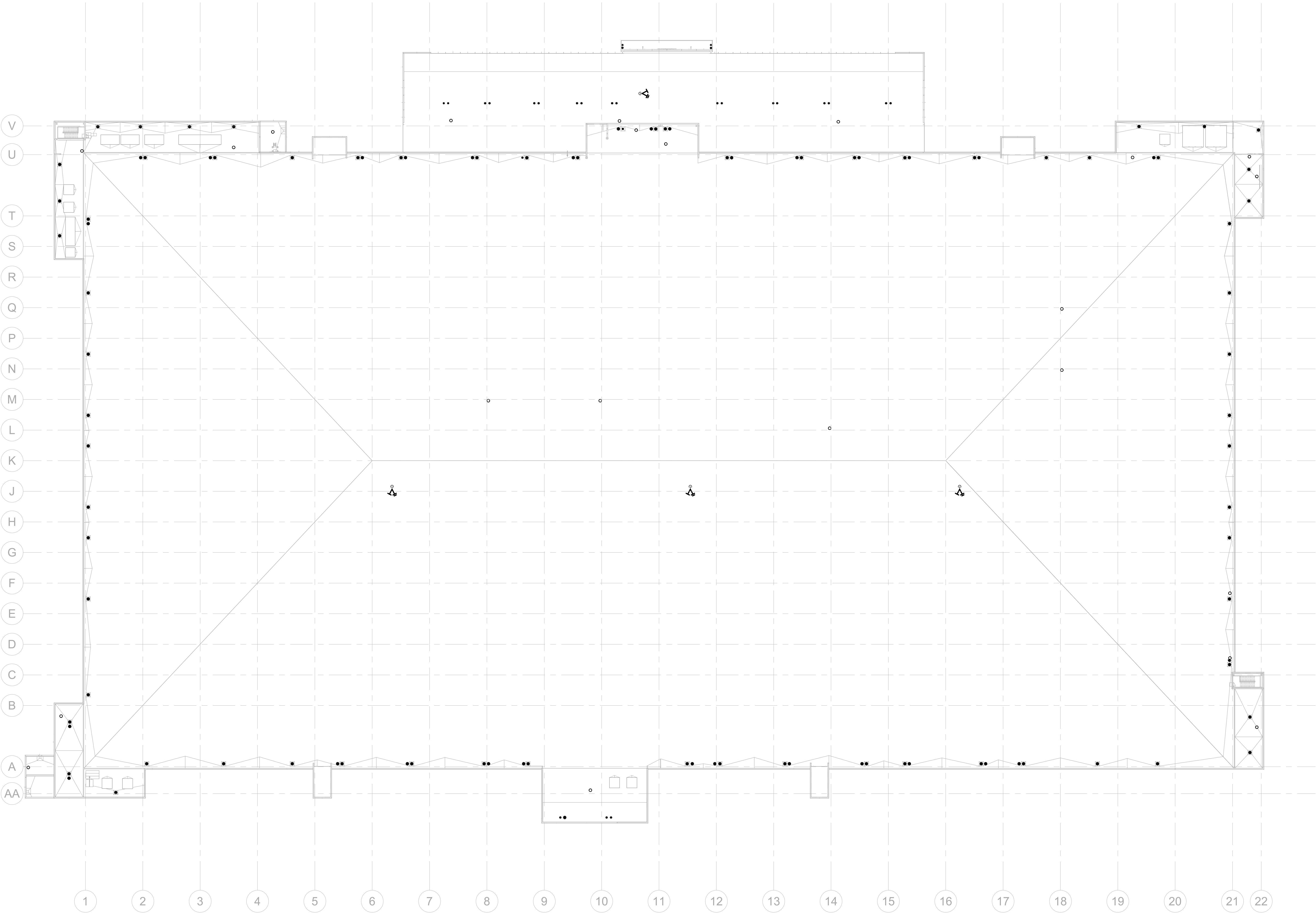
SHEET NUMBER

P-225

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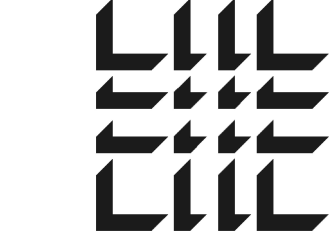
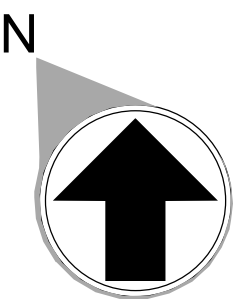
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OVERALL ROOF PLAN - PLUMBING



FLOOR KEY PLAN

C	D
B	A



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Project Number: 24010155
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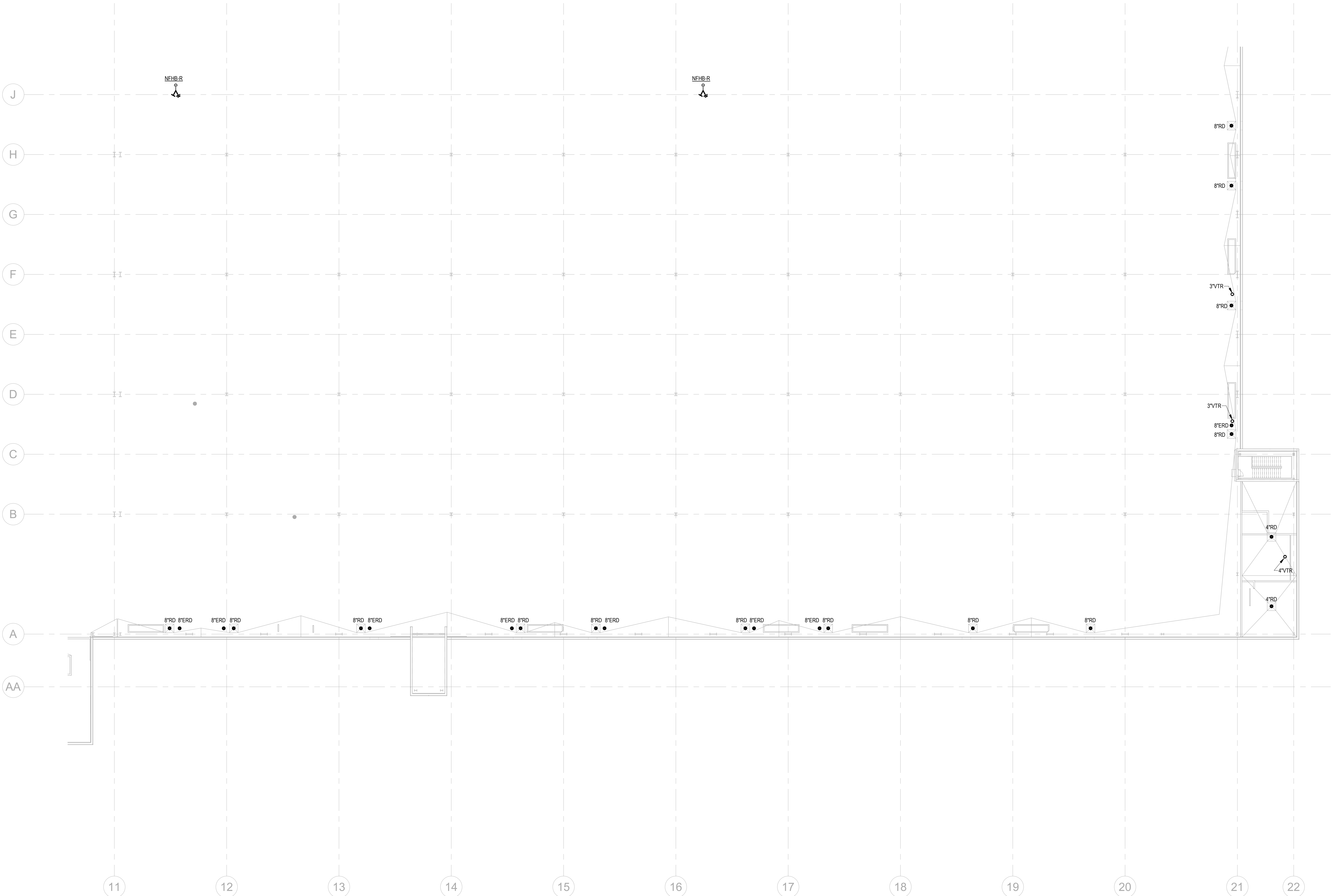
OVERALL ROOF
PLAN -
PLUMBING

SHEET NUMBER

P-226

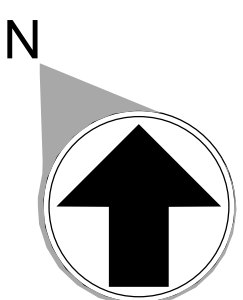
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ABOVE GROUND, OFFSET RAIN WATER LEADER AT ROOF 45-DEGREE ANGLE, WHILE MAINTAINING FLOOR CLEAR HEIGHT,
WHERE 45-DEGREE OFFSETS ARE NOT POSSIBLE, ALL HORIZONTAL STORM PIPING ABOVE GROUND SHALL SLOPE AT 1/4" PER FOOT, MINIMUM, UON.
DOWNSPOUT NOZZLE SHALL BE INSTALLED AT 24" ABOVE FINISHED GRADE, UON.



FLOOR KEY PLAN

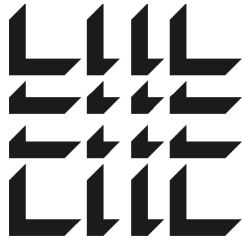
C	D
B	A



1

PARTIAL ROOF PLAN - A - PLUMBING

1" = 20'-0"



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Project Number: 24010155
Drawn By: CF Checked By: JMW

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NUMBER	DATE	DESCRIPTION
06/10/24		PRICING SET

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WHALE

WILMINGTON, NC



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SHEET TITLE

PARTIAL ROOF
PLAN - A -
PLUMBING

SHEET NUMBER

P-227

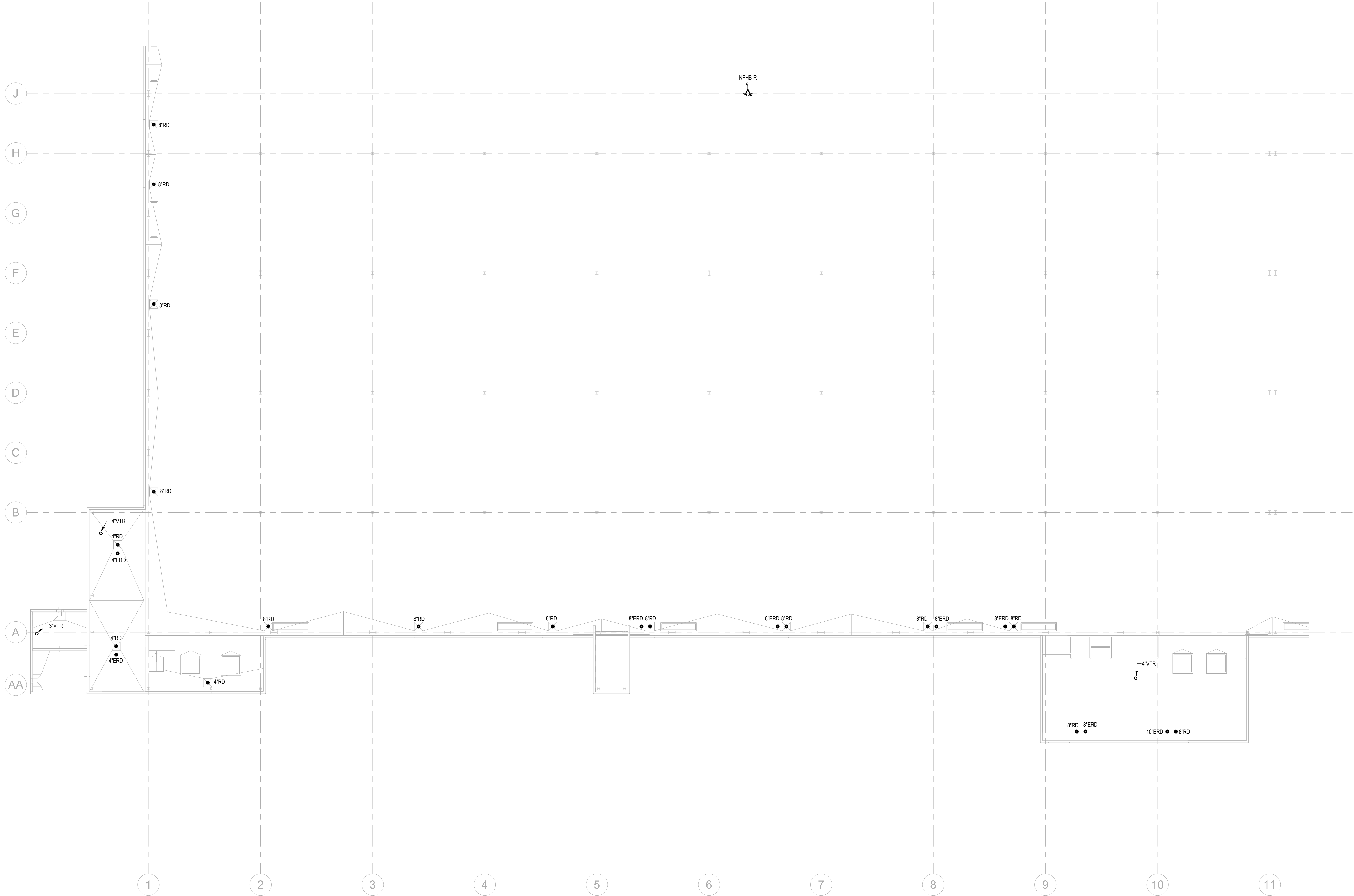
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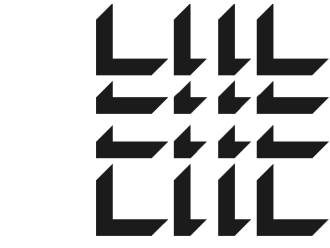
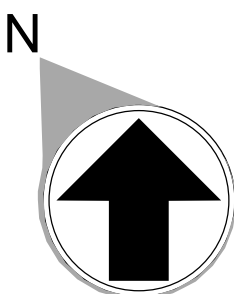
PARTIAL ROOF PLAN - B - PLUMBING

STORM DRAINAGE NOTES:
STORM PIPING & ROOF DRAINS ARE SIZED BASED ON 2018 NORTH CAROLINA PLUMBING CODE.
(PRIMARY ROOF DRAIN: BASED ON RAINFALL RATE OF 4.5" ONE-HOUR DURATION AND A 100-YEAR RETURN PERIOD;
SECONDARY ROOF DRAIN: BASED ON 100-YEAR, 15-MINUTE RAINFALL (6.5" HOUR)
ABOVE GROUND, OFFSET RAIN WATER LEADER AT ROOF 45-DEGREE ANGLE, WHILE MAINTAINING FLOOR CLEAR HEIGHT,
WHERE 45-DEGREE OFFSETS ARE NOT POSSIBLE, ALL HORIZONTAL STORM PIPING ABOVE GROUND SHALL SLOPE AT 1/4" PER FOOT, MINIMUM, UON.
DOWNSPOUT NOZZLE SHALL BE INSTALLED AT 24" ABOVE FINISHED GRADE, UON.



FLOOR KEY PLAN

C	D
B	A



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Project Number: 24010155
Drawn By: CF Checked By: JMW

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SHEET TITLE

PARTIAL ROOF
PLAN - B -
PLUMBING

SHEET NUMBER

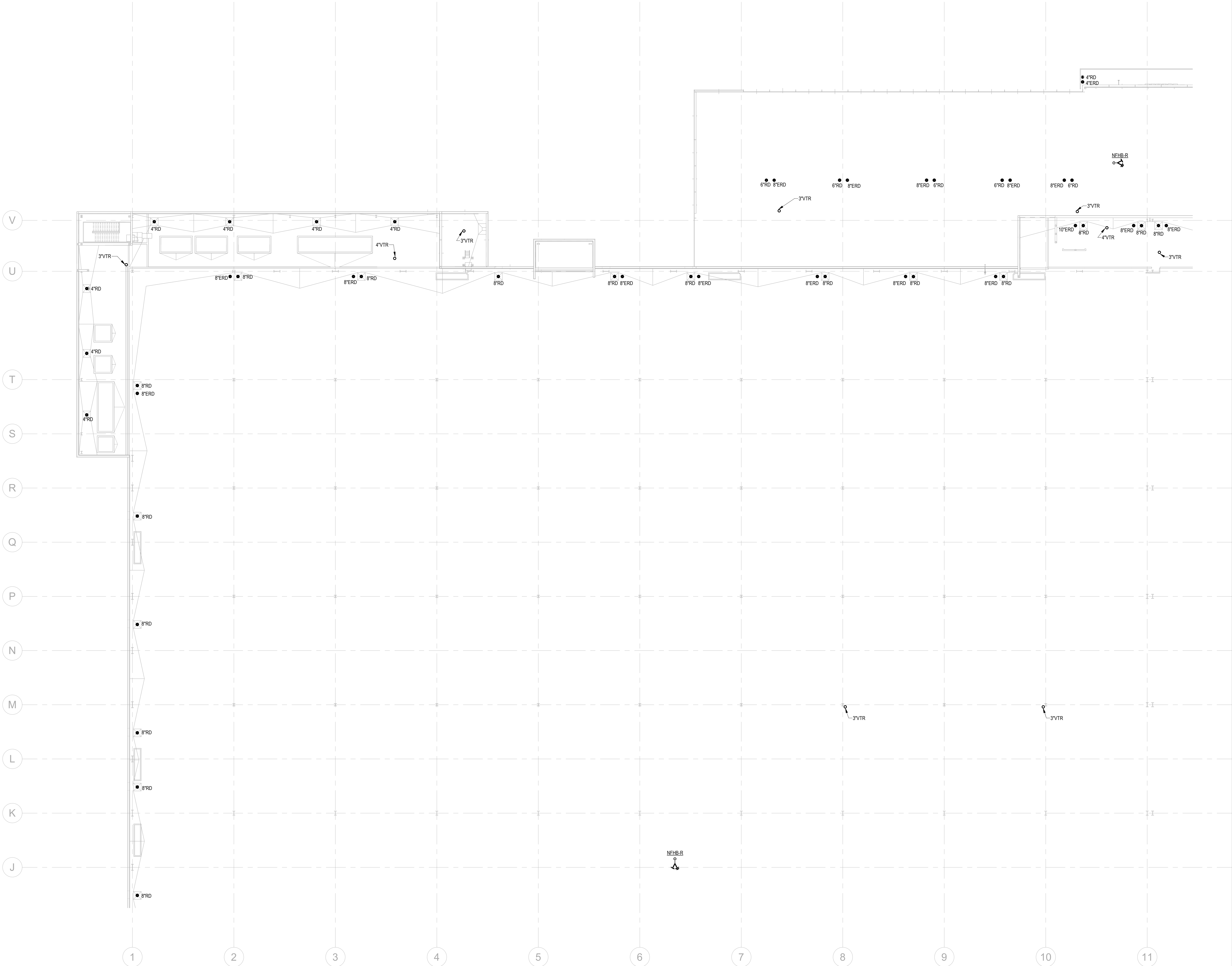
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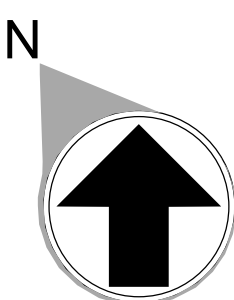
PARTIAL ROOF PLAN - C - PLUMBING

STORM DRAINAGE NOTES:
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(PRIMARY ROOF DRAIN: BASED ON RAINFALL RATE OF 4.5" ONE-HOUR DURATION AND A 100-YEAR RETURN PERIOD;
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DOWNSPOUT NOZZLE SHALL BE INSTALLED AT 24" ABOVE FINISHED GRADE, UON.



FLOOR KEY PLAN

C	D
B	A



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SHEET TITLE
PARTIAL ROOF
PLAN - C -
PLUMBING

SHEET NUMBER

P-229

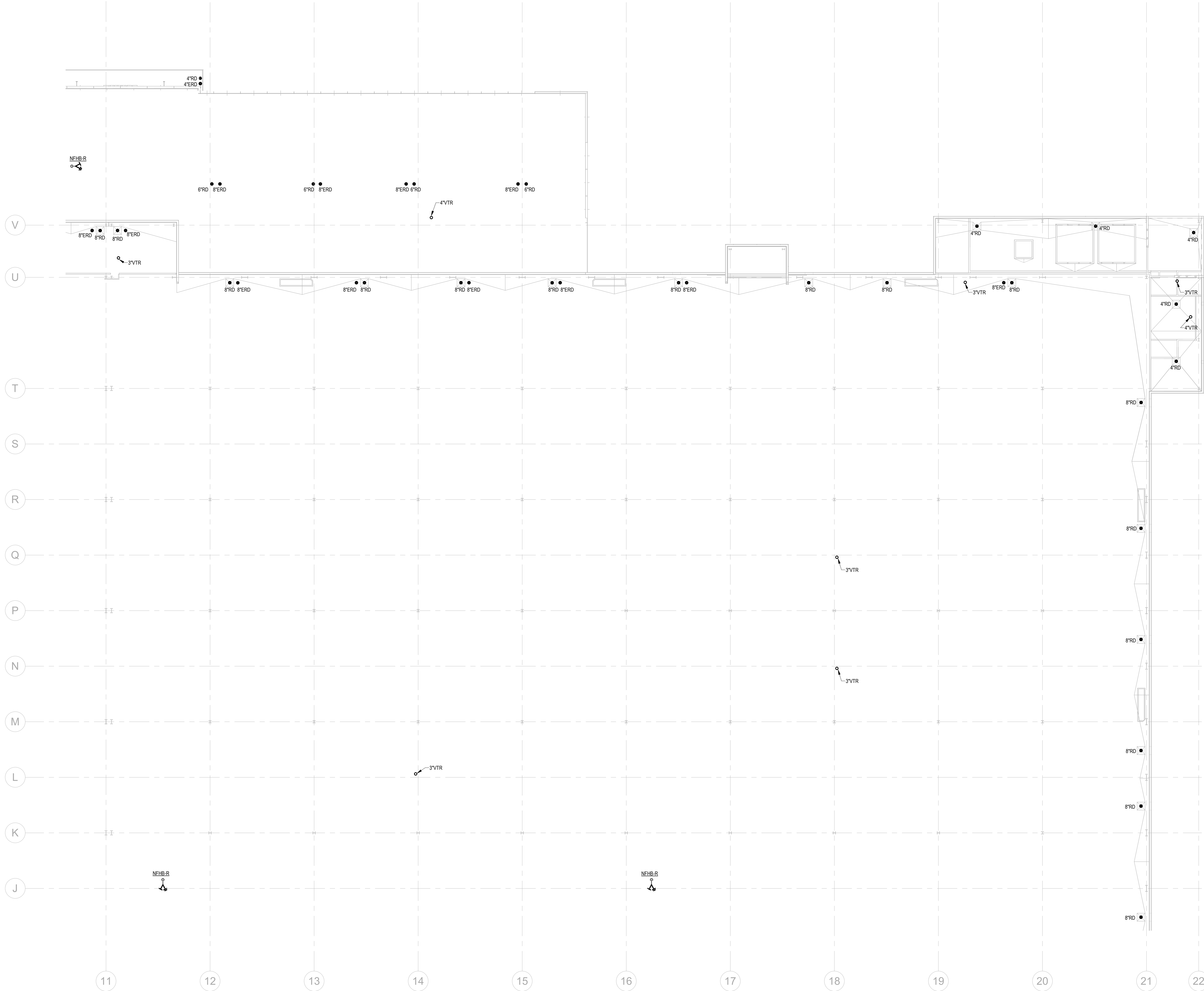
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1" = 20'-0"

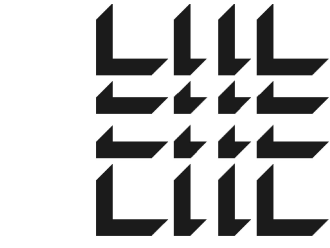
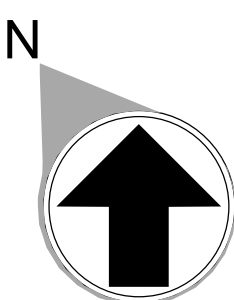
PARTIAL ROOF PLAN - D - PLUMBING

STORM DRAINAGE NOTES:
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(PRIMARY ROOF DRAIN: BASED ON RAINFALL RATE OF 4.5" ONE-HOUR DURATION AND A 100-YEAR RETURN PERIOD;
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DOWNSPOUT NOZZLE SHALL BE INSTALLED AT 24" ABOVE FINISHED GRADE, UON.



FLOOR KEY PLAN

C	D
B	A



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Project Number: 24010155 Checked By: JMW
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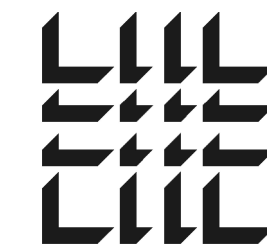
DATE PROJECT NO
-- 2024-013

SHEET TITLE
PARTIAL ROOF
PLAN - D -
PLUMBING

SHEET NUMBER

P-230

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Project Number: 2401015
Drawn By: C/F

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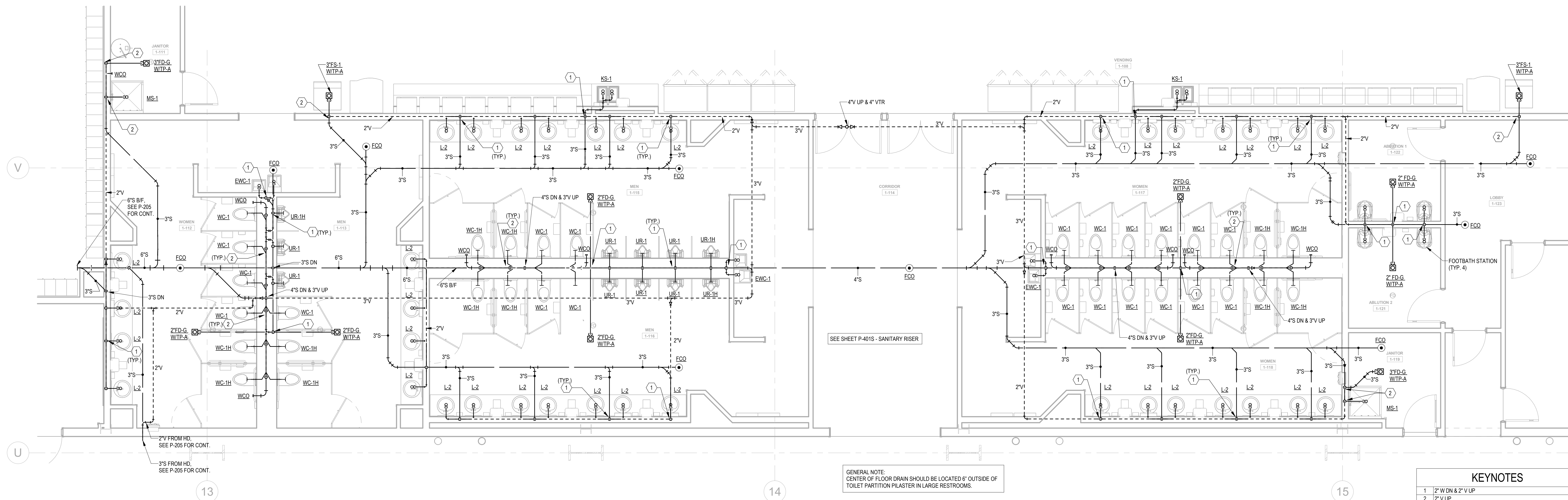
DATE	PROJECT NO
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SHEET TITLE
MAIN OFFICE
PLAN -
PLUMBING

SHEET NUMBER

P-401

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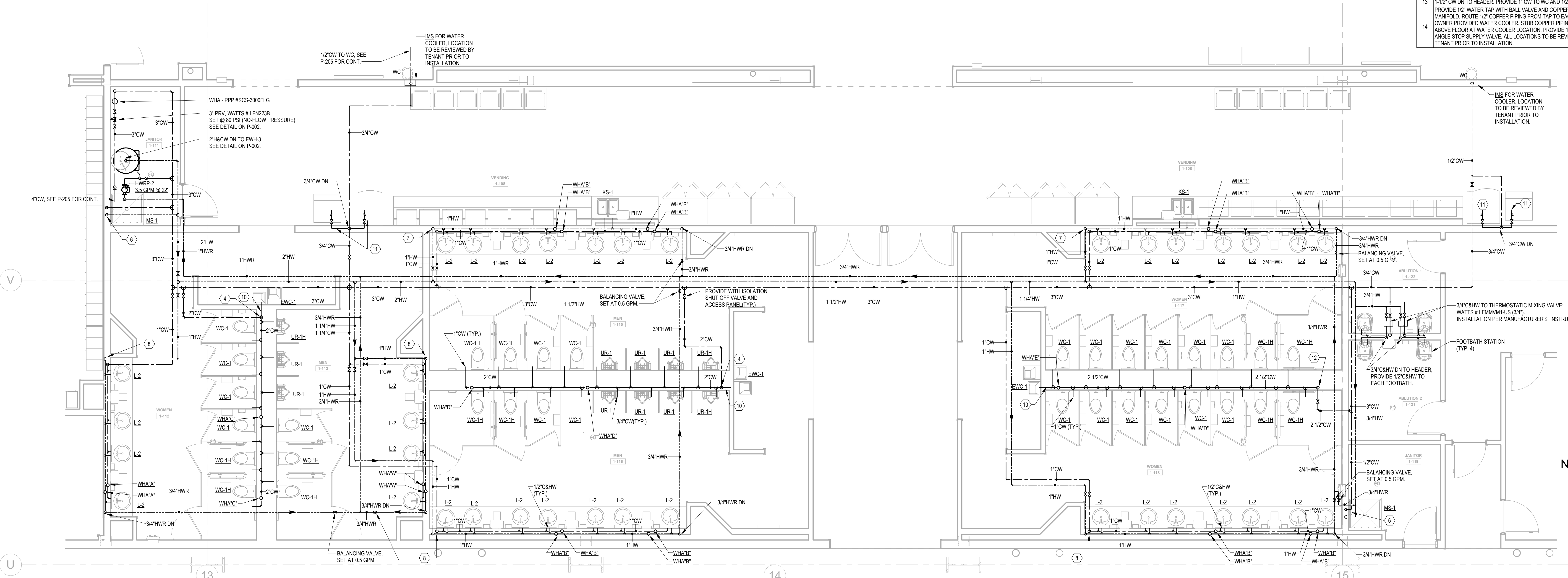
KEYNOTES

- 2" W DN & 2" V UP
- 2" V UP
- 1/2" CW TO EWH & 1/2" CW TO LAVS; PROVIDE 1/2" HW FOR EWH TO LAVS.
- 2" CW DN TO HEADER, PROVIDE 1" CW TO EACH WC AND 3/4" CW TO UR.
- 2" CW DN TO HEADER, 3/4" HW DN TO HEADER, PROVIDE 1" CW TO EACH WC, 3/4" TO EACH UR & 1/2" HW TO EACH LAV.
- 1/2" H & CW DN
- 1" H & CW DN TO HEADER, PROVIDE 1/2" H & CW TO EACH LAV & KS.
- 1" H & CW DN TO HEADER, PROVIDE 1/2" H & CW TO EACH LAV.
- 1-1/2" CW & 3/4" HW DN TO HEADER, PROVIDE 1" CW TO EACH WC, 1/2" HW TO LAVS.
- PROVIDE 2" WASTE AND 1/2" CW FOR DRINKING FOUNTAINS.
- 1/2" CW PROVIDE 1/2" SHUT-OFF VALVE & WATTS ASD-3 BACKFLOW PREVENTER, ASSE 1022
- 2-1/2" CW DN TO HEADER, CONNECT 1" CW TO EACH WC.
- 1-1/2" CW DN TO HEADER, PROVIDE 1" CW TO WC AND 1/2" TO LAV.
- PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANIFOLD, ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER, STUB COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION, PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE, ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.

GENERAL NOTE:
CENTER OF FLOOR DRAIN SHOULD BE LOCATED 6" OUTSIDE OF
TOILET PARTITION PLASTER IN LARGE RESTROOMS.

1 ENLARGED MAIN OFFICE 1 - SANITARY

1/4" = 1'-0"



2 ENLARGED MAIN OFFICE 1 - WATER

1/4" = 1'-0"

6/7/2024 4:44:53 PM



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Project Number: 24010155
Drawn By: CJF Checked By: JMW

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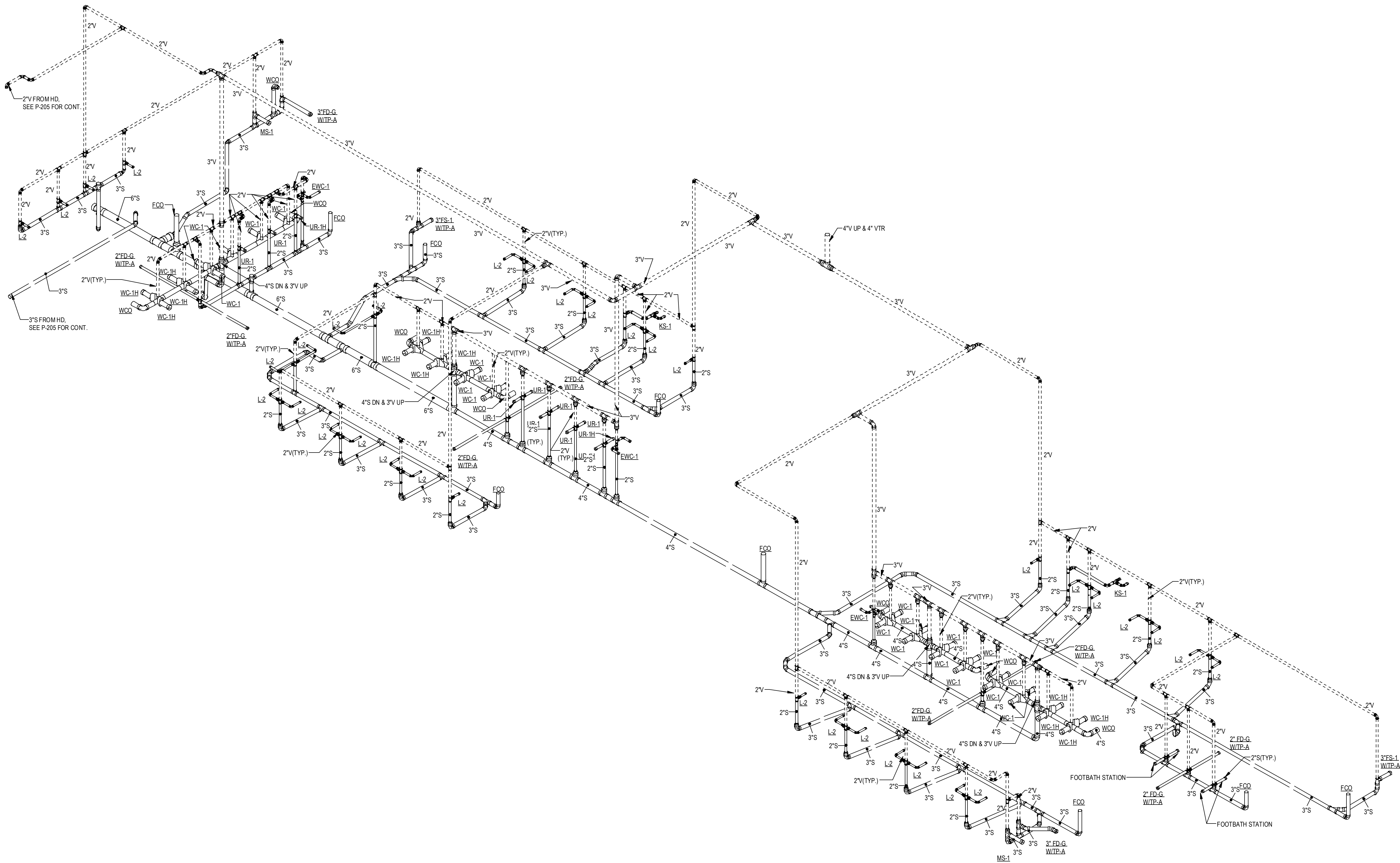
SHEET TITLE

MAIN OFFICE -
SANITARY
RISER

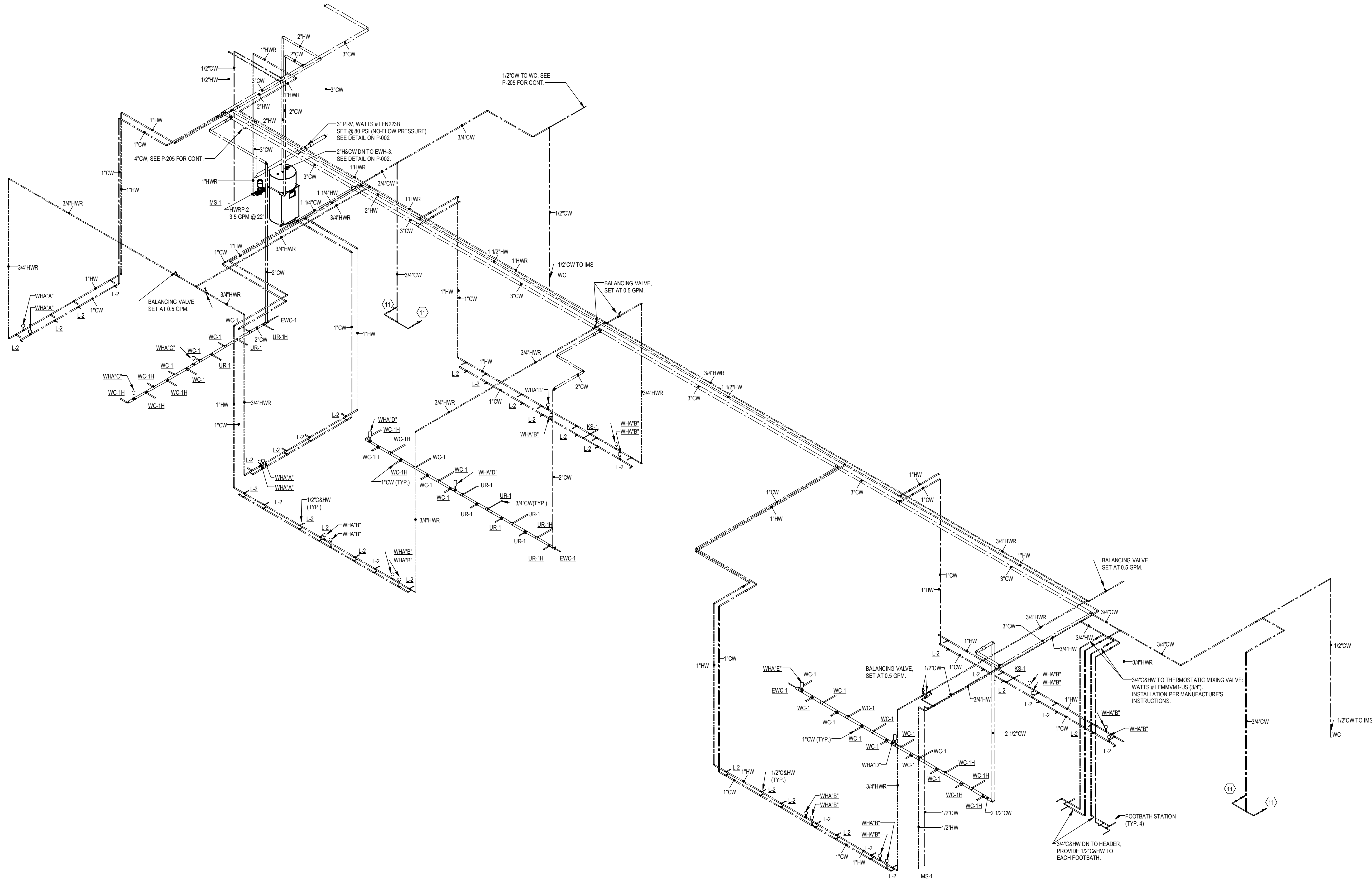
SHEET NUMBER

P-401S

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1 MAIN OFFICE 1 - SANITARY RISER
Scale:



1 MAIN OFFICE 1 - WATER RISER
Scale: 1/8" = 1'

KEYNOTES	
1	2" WDN & 2" V UP
2	2" V UP
3	1/2" CW TO EWH & 1/2" CW TO LAV(S). PROVIDE 1/2" HW FOR EWH TO LAV(S).
4	2" CW DN TO HEADER. PROVIDE 1" CW TO EACH WC AND 3/4" CW TO UR.
5	2" CW DN TO HEADER. 3/4" HW DN TO HEADER. PROVIDE 1" CW TO EACH WC. 3/4" TO EACH UR & 1/2" & CW TO EACH LAV.
6	1/2" H & CW DN.
7	1" H & CW DN TO HEADER. PROVIDE 1/2" H & CW TO EACH LAV & KS.
8	1" H & CW DN TO HEADER. PROVIDE 1/2" H & CW TO EACH LAV.
9	1-1/2" CW & 3/4" HW DN TO HEADER. PROVIDE 1" CW TO EACH WC. 1/2" & CW TO LAV(S).
10	PROVIDE 2" WASTE AND 1/2" CW FOR DRINKING FOUNTAINS.
11	1/2" CW PROVIDE 1/2" SHUT-OFF VALVE & WATTS #SD3 BACKFLOW PREVENTER, ASSE 1022
12	2-1/2" CW DN TO HEADER. CONNECT 1" CW TO MC AND 1/2" TO LAV.
13	1-1/2" CW DN TO HEADER. PROVIDE 1" CW TO MC AND 1/2" TO LAV. PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANIFOLD. ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. STUB COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.
14	



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Project Number: 24010105 Drawn By: JCF Checked By: JMW

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DATE: 06/10/24 PROJECT NO: 2024-013

SHEET TITLE
MAIN OFFICE 1 -
WATER RISER

SHEET NUMBER

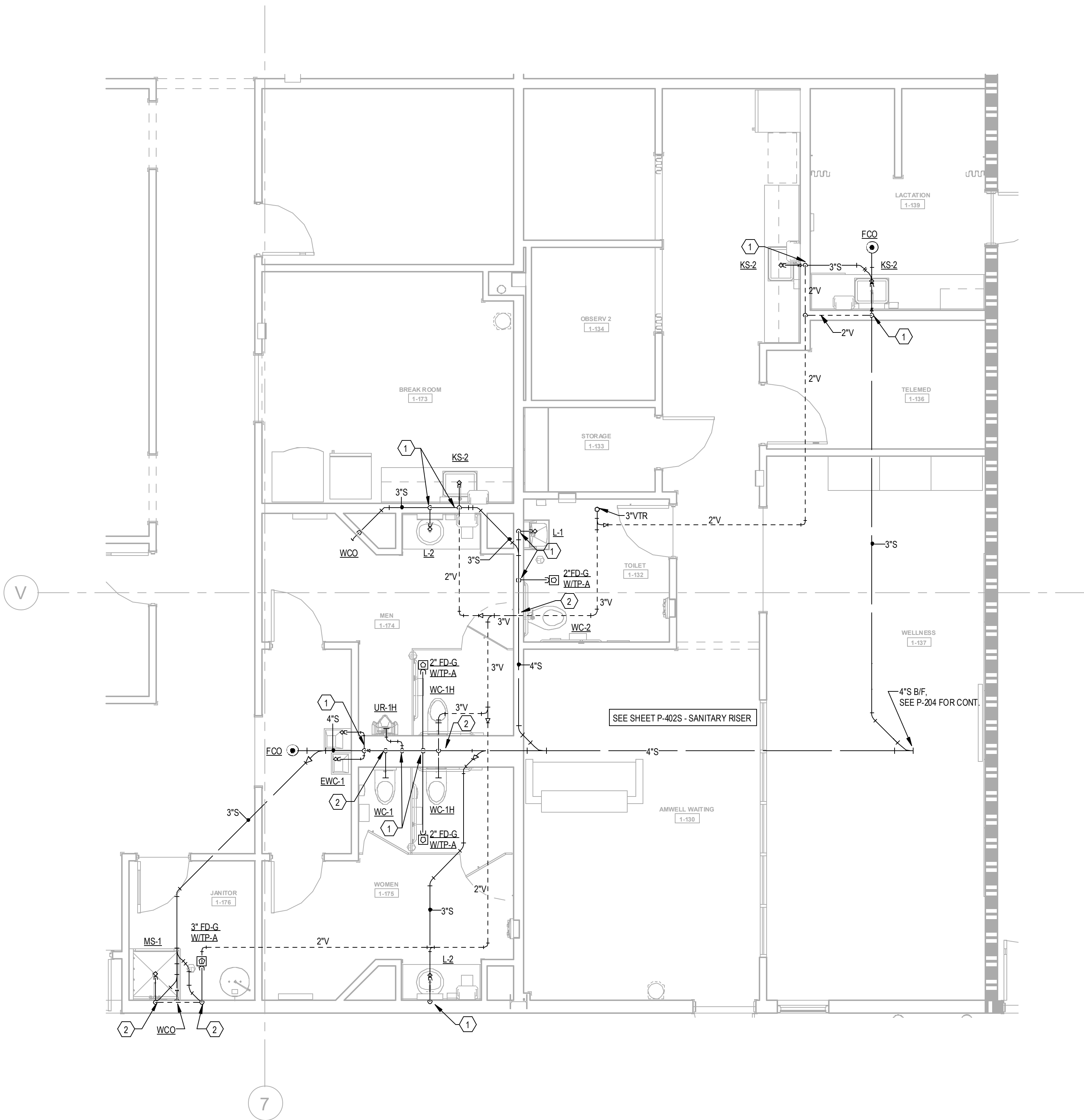
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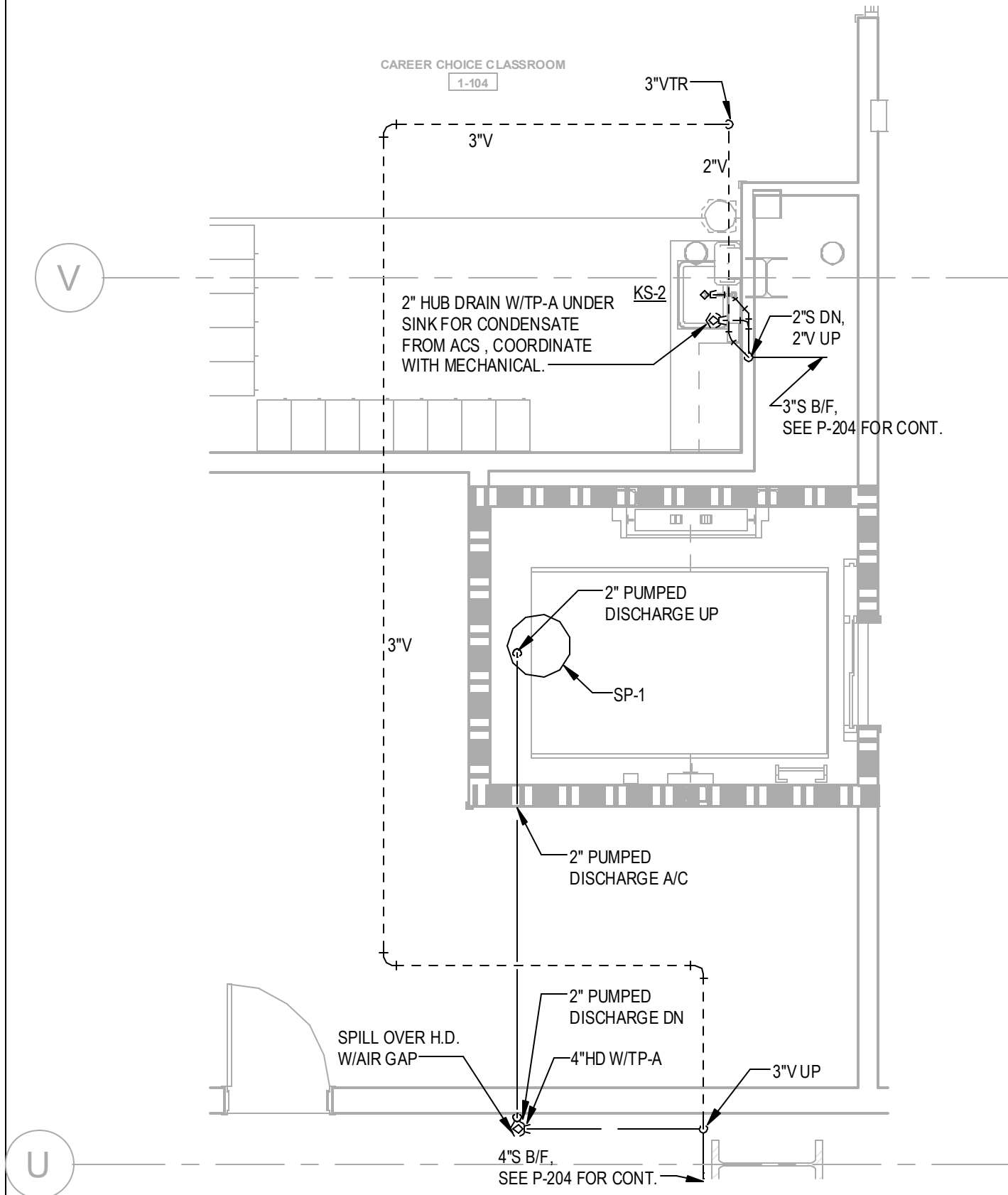
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1/4" = 1'-0"

ENLARGED MAIN OFFICE 2 - SANITARY



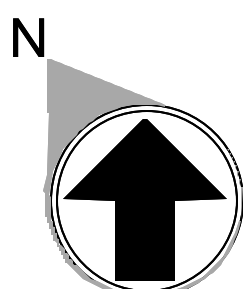
2
1/4" = 1'-0"

ENLARGED CAREER CHOICE CLASSROOM - SANITARY



KEYNOTES	
1	2" WD N & 2" V UP
2	2" V UP
3	1/2" CW TO EWH & 1/2" CW TO LAV(S). PROVIDE 1/2" HW FOR EWH TO LAV(S).
4	2" CW DN TO HEADER. PROVIDE 1" CW TO EACH WC AND 3/4" CW TO UR.
5	2" CW DN TO HEADER. 3/4" HW DN TO HEADER. PROVIDE 1" CW TO EACH WC. 3/4" TO EACH UR & 1/2" H&CW TO EACH LAV.
6	1/2" H & CW DN
7	1" H & CW DN TO HEADER. PROVIDE 1/2" H & CW TO EACH LAV & KS.
8	1" H & CW DN TO HEADER. PROVIDE 1/2" H & CW TO EACH LAV
9	1-1/2" CW & 3/4" HW DN TO HEADER. PROVIDE 1" CW TO EACH WC. 1/2" H&CW TO LAV(S).
10	PROVIDE 2" WASTE AND 1/2" CW FOR DRINKING FOUNTAINS.
11	1/2" CW PROVIDE 1/2" SHUT-OFF VALVE & WAITS #SD3 BACKFLOW PREVENTER, ASSE: 1022
12	2-1/2" CW DN TO HEADER. CONNECT 1" CW TO MC AND 1/2" TO LAV.
13	1-1/2" CW DN TO HEADER. PROVIDE 1" CW TO MC AND 1/2" TO LAV. PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANIFOLD. ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. STUB COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.

GENERAL NOTE:
CENTER OF FLOOR DRAIN SHOULD BE LOCATED 6" INSIDE TOILET PARTITION PILASTER IN SMALL RESTROOMS.



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Project Number: 24010103
Drawn By: CJF Checked By: JMW

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DATE	PROJECT NO
--	2024-013

SHEET TITLE
MAIN OFFICE
PLAN -
SANITARY

SHEET NUMBER

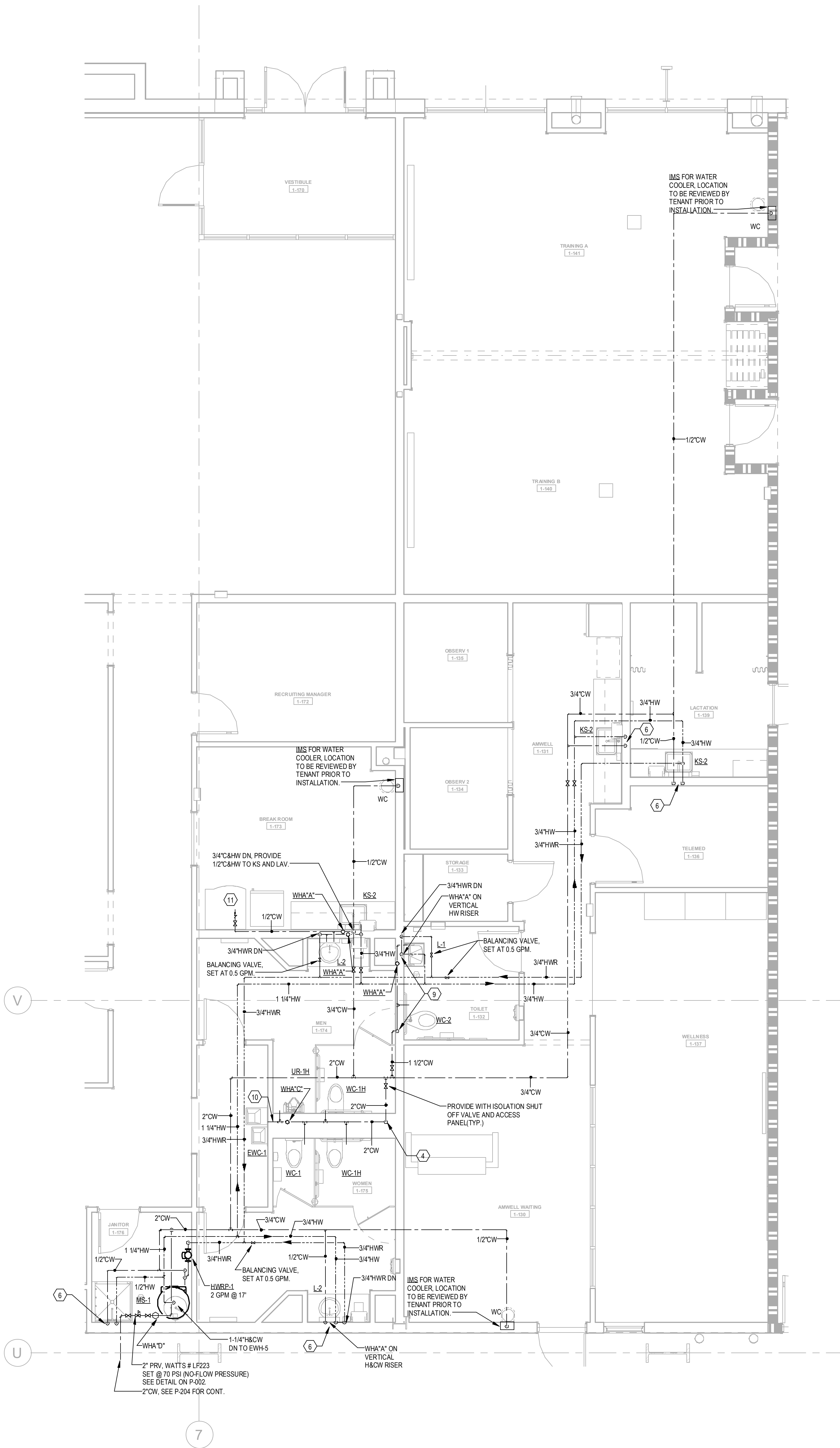
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1/4" = 1'-0"

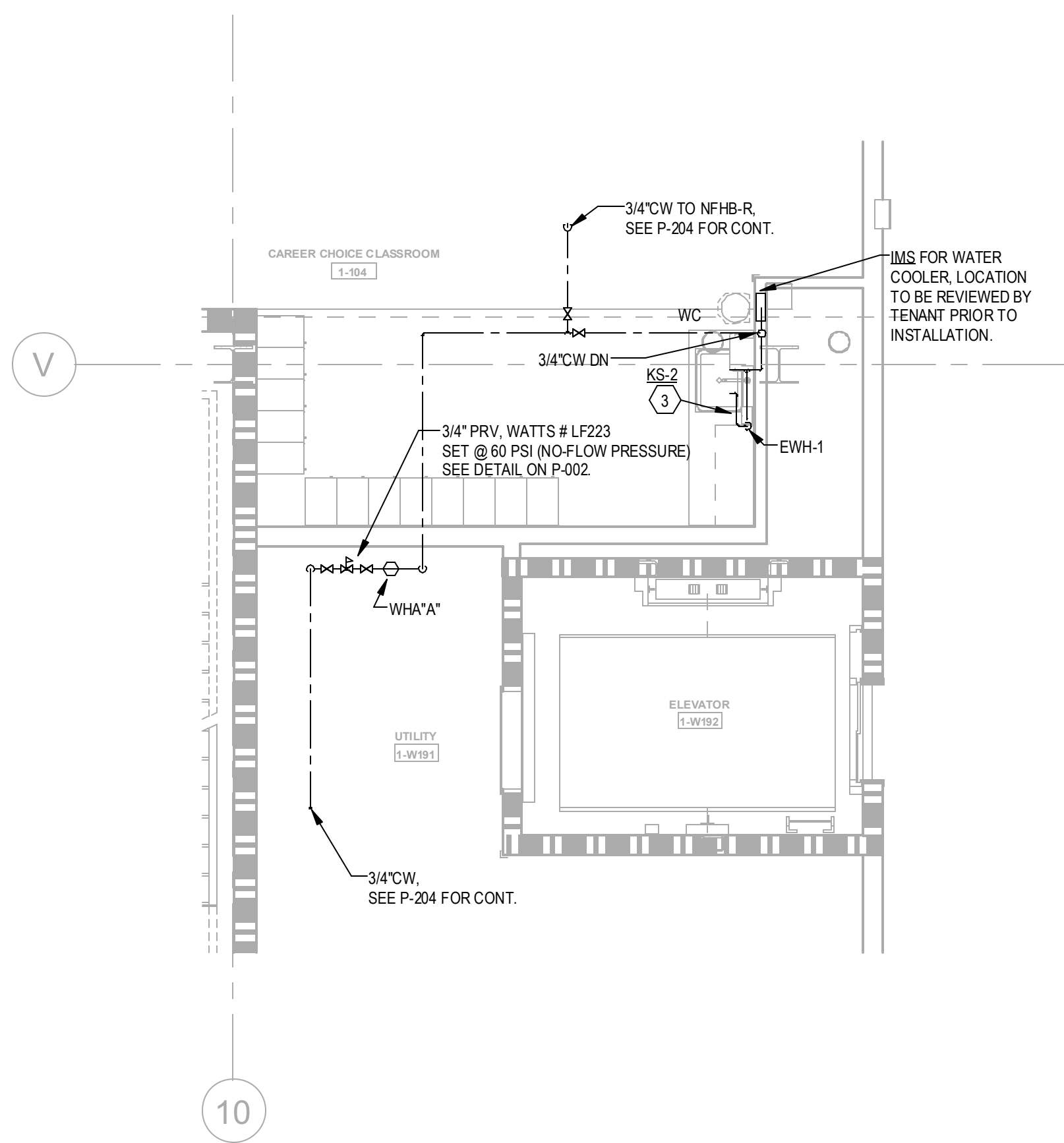
ENLARGED MAIN OFFICE 2- WATER



2

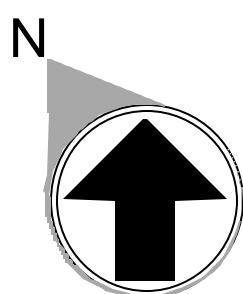
1/4" = 1'-0"

ENLARGED CAREER CHOICE CLASSROOM - WATER



KEYNOTES

- 1 2" WD & 2" V UP
- 2 2" V UP
- 3 1/2" CW TO EWH & 1/2" CW TO LAV(KS). PROVIDE 1/2" HW FOR EWH TO LAV(KS)
- 4 2" CW DN TO HEADER. PROVIDE 1" CW TO EACH VC AND 3/4" CW TOUR
- 5 2" CW DN TO HEADER. 3/4" HW DN TO HEADER. PROVIDE 1" CW TO EACH VC. 3/4" TO EACH UR & 1/2" H&CW TO EACH LAV.
- 6 1/2" H & CW DN
- 7 1" H & CW DN TO HEADER. PROVIDE 1/2" H & CW TO EACH LAV & KS.
- 8 1" H & CW DN TO HEADER. PROVIDE 1/2" H & CW TO EACH LAV.
- 9 1-1/2" CW & 3/4" HW DN TO HEADER. PROVIDE 1" CW TO EACH VC. 1/2" H&CW TO LAV(KS).
- 10 PROVIDE 2" WASTE AND 1/2" CW FOR DRINKING FOUNTAINS.
- 11 1/2" CW. PROVIDE 1/2" SHUT-OFF VALVE & WATTS #SD-3 BACKFLOW PREVENTER, ASSE 1022.
- 12 2-1/2" CW DN TO HEADER. CONNECT 1" CW TO EACH VC.
- 13 1-1/2" CW DN TO HEADER. PROVIDE 1" CW TO MC AND 1/2" TO LAV.
- 14 PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANFOLD. ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. STUD COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.



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MacGregor Associates Architects, Inc. - 1987-2024

DATE

--

PROJECT NO

2024-013

SHEET TITLE

MAIN OFFICE
PLAN - WATER

SHEET NUMBER

P-402B

NOT FOR CONSTRUCTION



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Project Number: 24010155
Drawn By: CF Checked By: JMW

PRINT RECORD

NUMBER	DATE	DESCRIPTION
	06/10/24	PRICING SET

PROJECT INFORMATION

PROJECT WHALE

WILMINGTON, NC



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DATE PROJECT NO
-- 2024-013

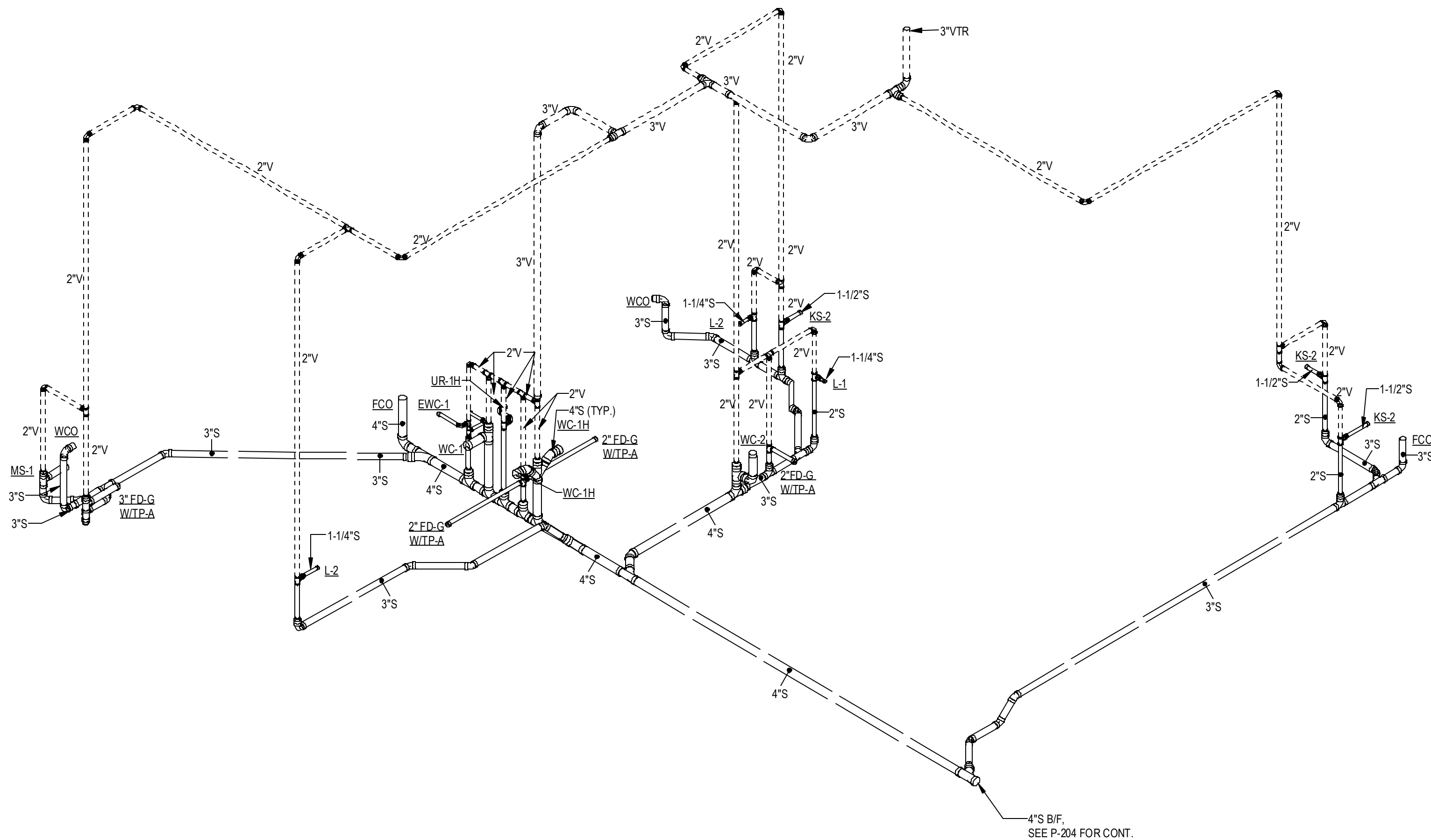
SHEET TITLE

MAIN OFFICE -
SANITARY
RISER

SHEET NUMBER

P-402S

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1 MAIN OFFICE 2 - SANITARY RISER

Scale:



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Project Number: 24010155
Drawn By: CJF Checked By: JMW

PRINT RECORD

NUMBER	DATE	DESCRIPTION
	06/10/24	PRICING SET

PROJECT INFORMATION

PROJECT
WHALE

WILMINGTON, NC

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MacGregor Associates Architects, Inc. - 1007-2024

DATE	PROJECT NO
--	2024-013

SHEET TITLE
MAIN OFFICE 2 -
WATER RISER

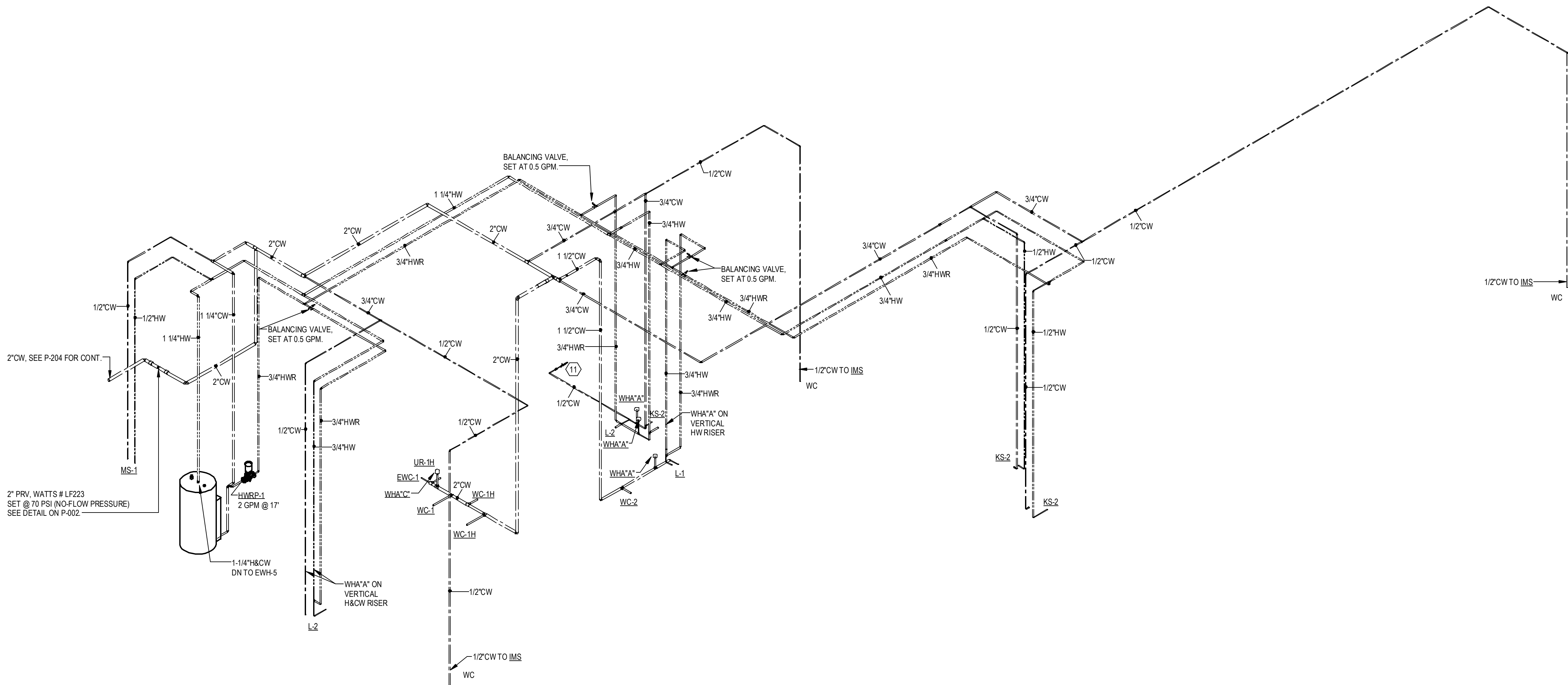
SHEET NUMBER

P-402W

NOT FOR CONSTRUCTION

KEYNOTES

- 2" W/DN & 2" V UP
- 2" V UP
- 1/2" CW TO EWH & 1/2" CW TO LAV(KS). PROVIDE 1/2" HW FOR EWH TO LAV(KS).
- 2" CW/DN TO HEADER. PROVIDE 1" CW TO EACH WC AND 3/4" CW TO UR.
- 2" CW/DN TO HEADER. 3/4" HW/DN TO HEADER. PROVIDE 1" CW TO EACH WC. 3/4" TO EACH UR & 1/2" HCW TO EACH LAV.
- 1/2" H & CW/DN
- 1" H & CW/DN TO HEADER. PROVIDE 1/2" H & CW TO EACH LAV & KS.
- 1" H & CW/DN TO HEADER. PROVIDE 1/2" H & CW TO EACH LAV.
- 1-1/2" CW & 3/4" HW/DN TO HEADER. PROVIDE 1" CW TO EACH WC. 1/2" HCW TO LAV(KS).
- PROVIDE 2" WASTE AND 1/2" CW FOR DRINKING FOUNTAINS.
- 1/2" CW. PROVIDE 1/2" SHUT-OFF VALVE & WATTS #SD3 BACKFLOW PREVENTER, ASSE 1022
- 2-1/2" CW/DN TO HEADER. CONNECT 1" CW TO EACH WC.
- 1-1/2" CW/DN TO HEADER. PROVIDE 1" CW TO WC AND 1/2" TO LAV. PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANIFOLD. ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. STUB COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.
-

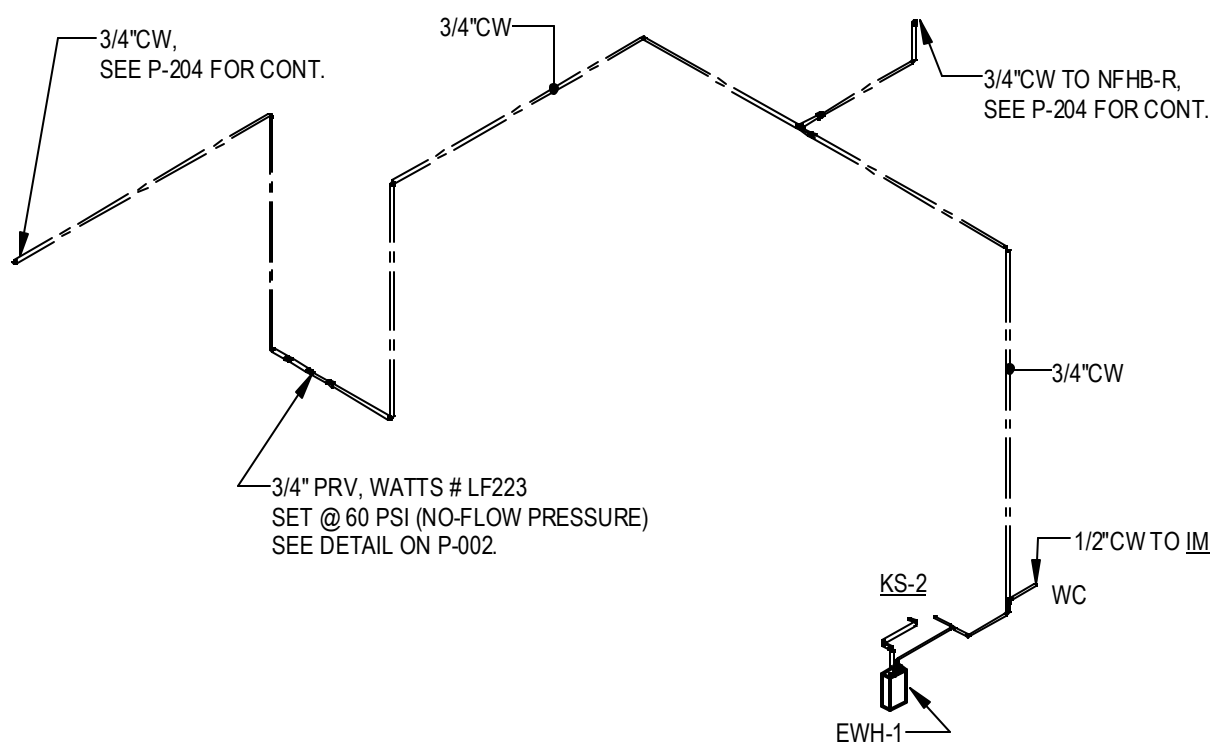


1 MAIN OFFICE 2 - WATER RISER

Scale:

CAREER CHOICE CLASSROOM - WATER RISER

Scale:





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Project Number: 24010155
Drawn By: JCF Checked By: JMW

PRINT RECORD

NUMBER	DATE	DESCRIPTION
06/10/24		PRICING SET

PROJECT INFORMATION

PROJECT
WHALE

WILMINGTON, NC



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DATE	PROJECT NO
--	2024-013

SHEET TITLE
ENLARGED
REMOTE
BREAKROOM
PLANS -
SANITARY

SHEET NUMBER

P-403A

NOT FOR CONSTRUCTION

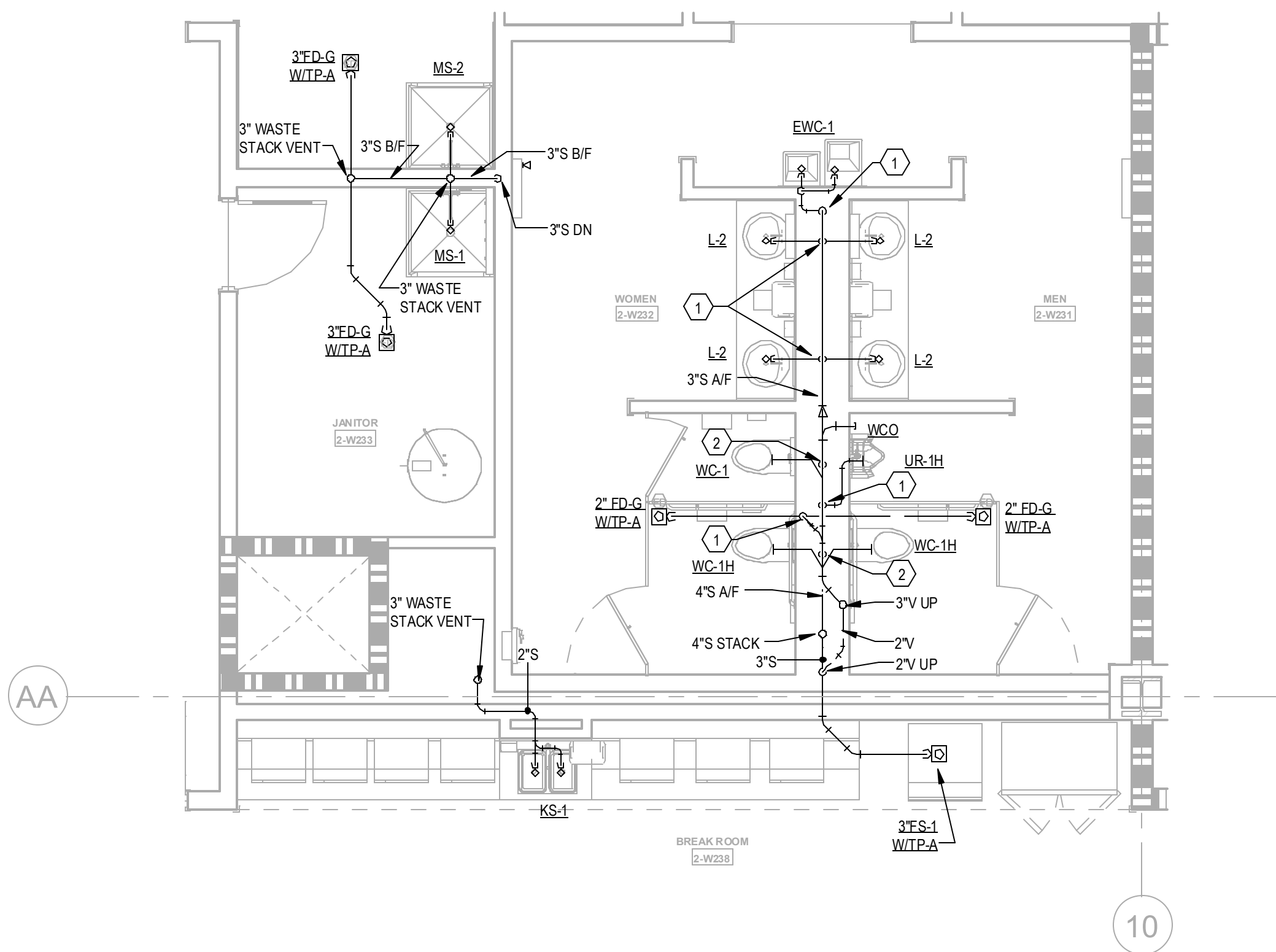
KEYNOTES

- 2" WD & 2" V UP
- 2" V UP
- 1/2" CW TO EWH & 1/2" CW TO LAV(S). PROVIDE 1/2" HW FOR EWH TO LAV(S).
- 2" CW DN TO HEADER. PROVIDE 1" CW TO EACH VC AND 3/4" CW TOUR.
- 2" CW DN TO HEADER. 3/4" HW DN TO HEADER. PROVIDE 1" CW TO EACH VC. 3/4" TO EACH UR & 1/2" CW TO EACH LAV.
- 1/2" H & CW DN.
- 1" H & CW DN TO HEADER. PROVIDE 1/2" H & CW TO EACH LAV & KS.
- 1" H & CW DN TO HEADER. PROVIDE 1/2" H & CW TO EACH LAV.
- 1-1/2" CW & 3/4" HW DN TO HEADER. PROVIDE 1" CW TO EACH VC. 1/2" CW TO LAV(S).
- PROVIDE 2" WASTE AND 1/2" CW FOR DRINKING FOUNTAINS.
- 1/2" CW. PROVIDE 1/2" SHUT-OFF VALVE & WATTS MSD-3 BACKFLOW PREVENTER, ASSE 1022.
- 2-1/2" CW DN TO HEADER. CONNECT 1" CW TO EACH VC.
- 1-1/2" CW DN TO HEADER. PROVIDE 1" CW TO VC AND 1/2" TO LAV.
- PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANIFOLD. ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. STUD COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.

GENERAL NOTE:
CENTER OF FLOOR DRAIN SHOULD BE LOCATED 6" INSIDE TOILET PARTITION PILASTER IN SMALL RESTROOMS.

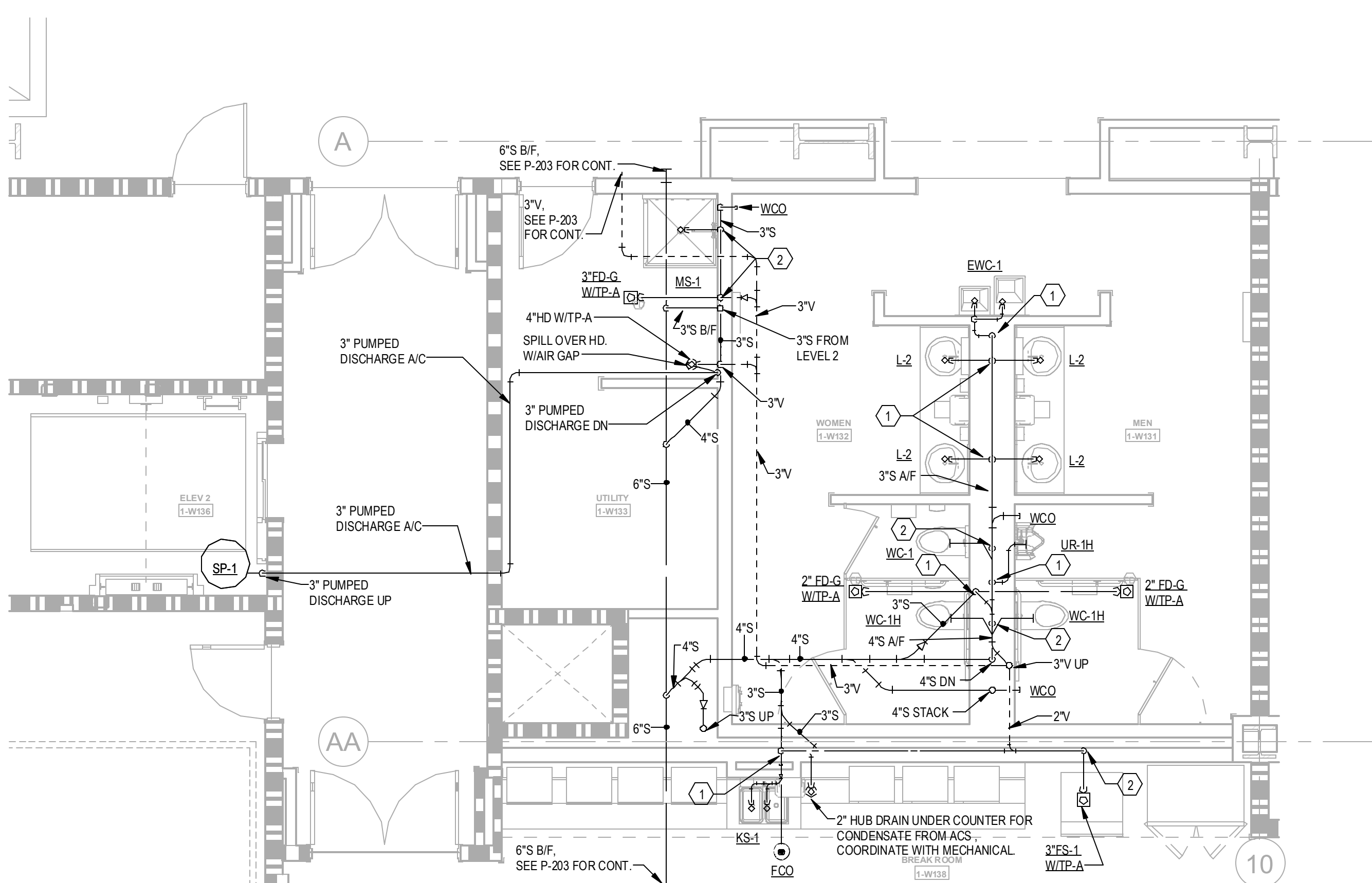
3 ENLARGED REMOTE BREAKROOM - LEVEL 3-5 - SANITARY

1/4" = 1'-0"



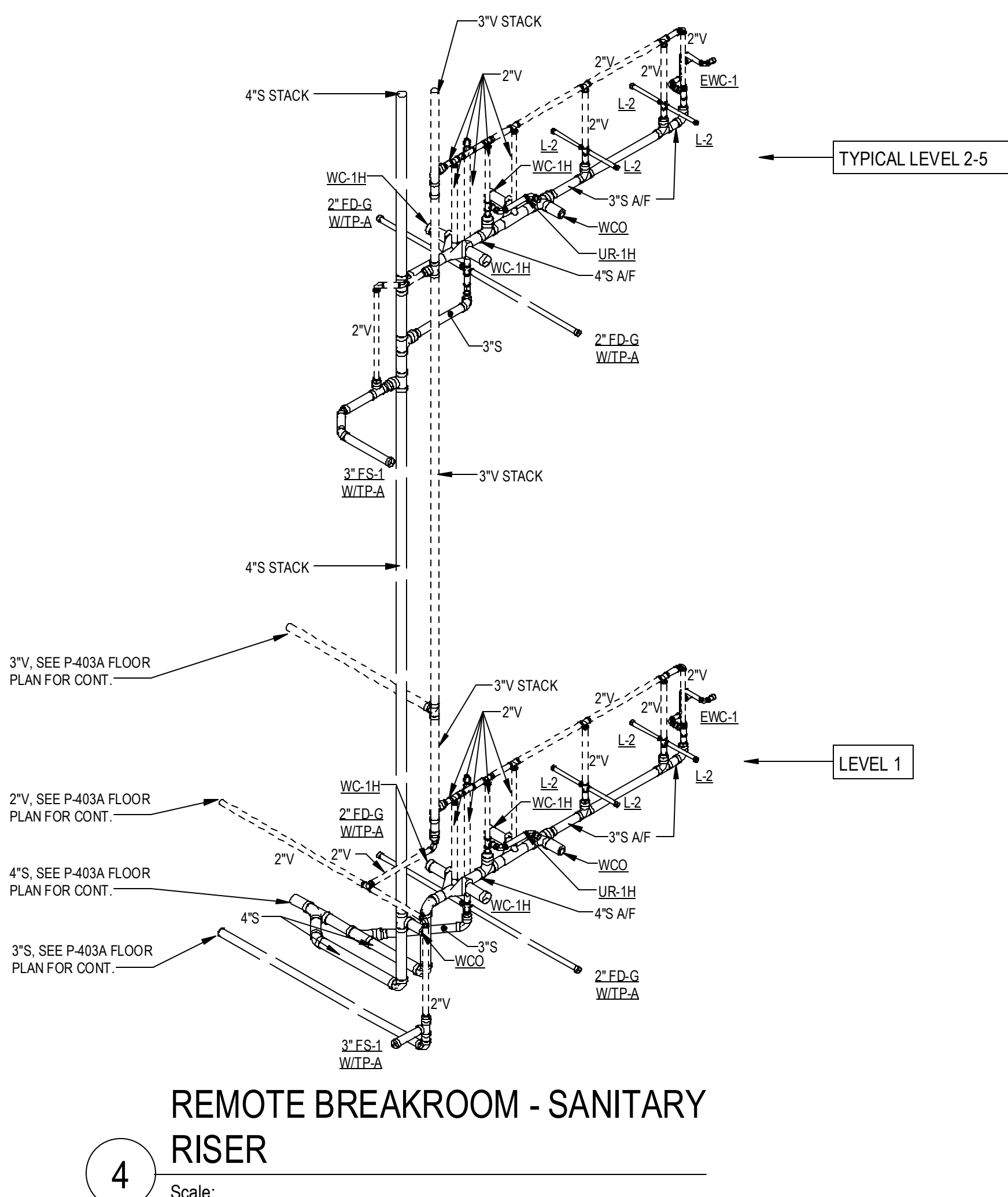
2 ENLARGED REMOTE BREAKROOM - LEVEL 2 - SANITARY

1/4" = 1'-0"



1 ENLARGED REMOTE BREAKROOM - LEVEL 1 - SANITARY

1/4" = 1'-0"

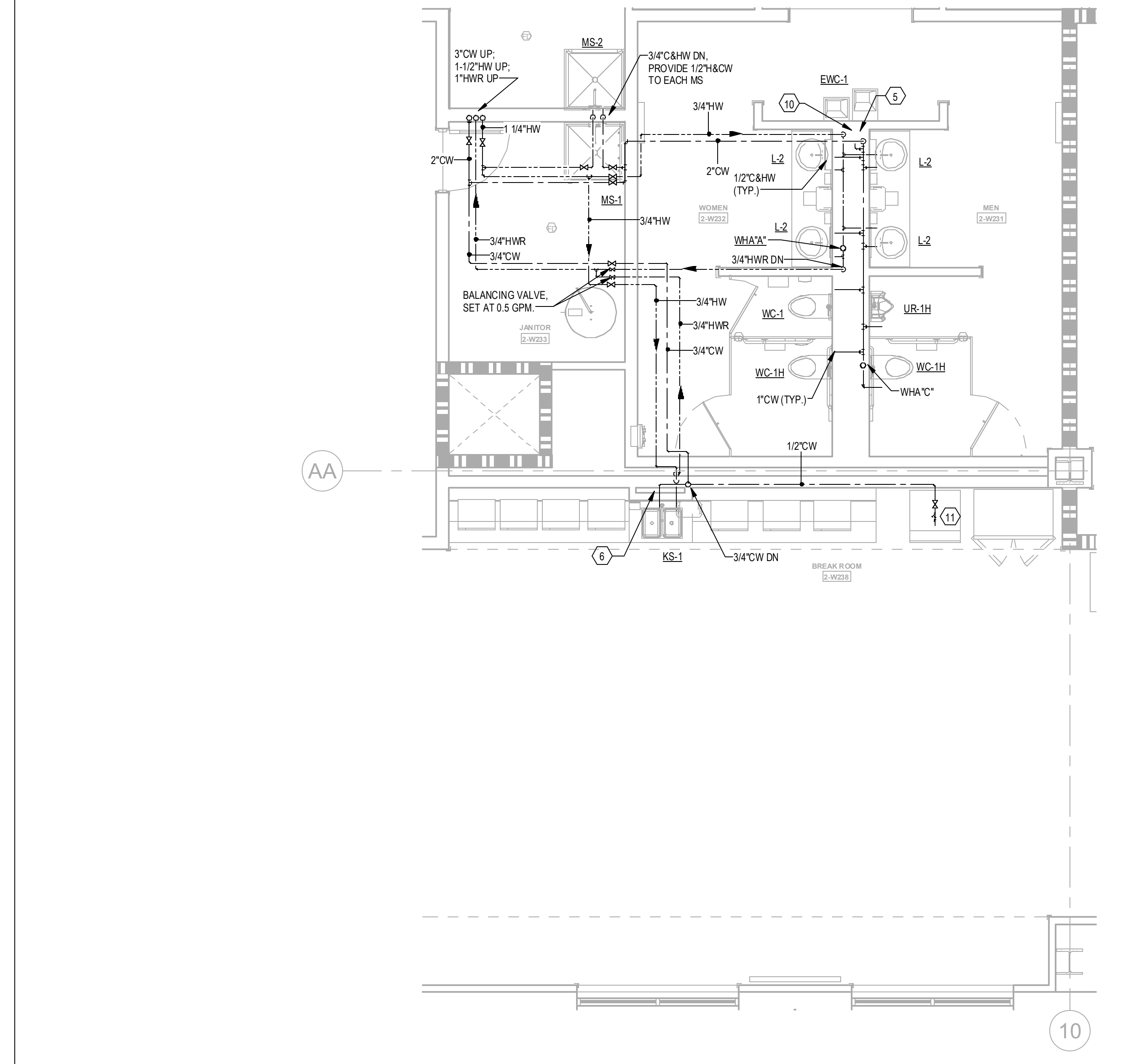


REMOTE BREAKROOM - SANITARY
RISER

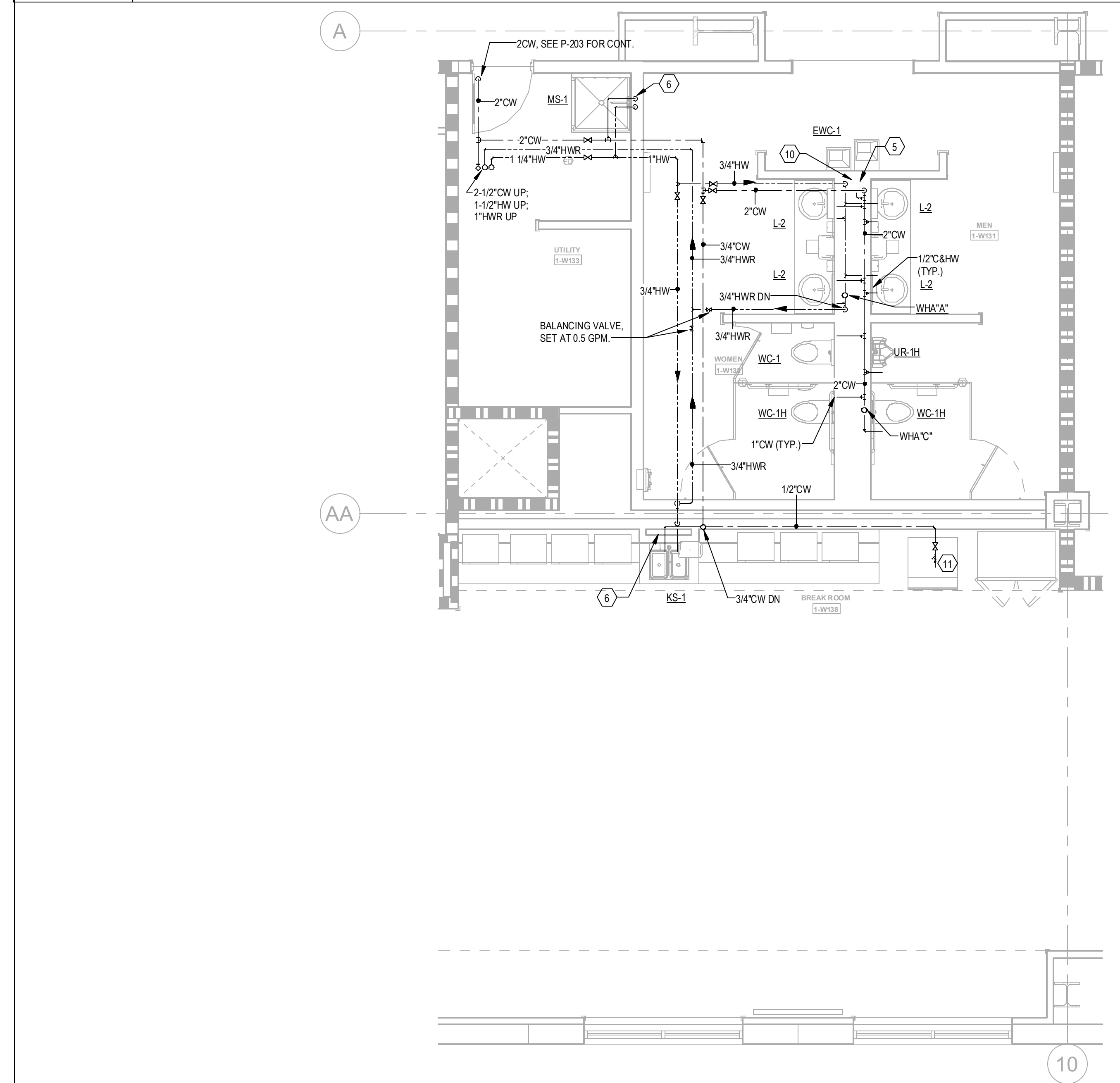
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Scale:

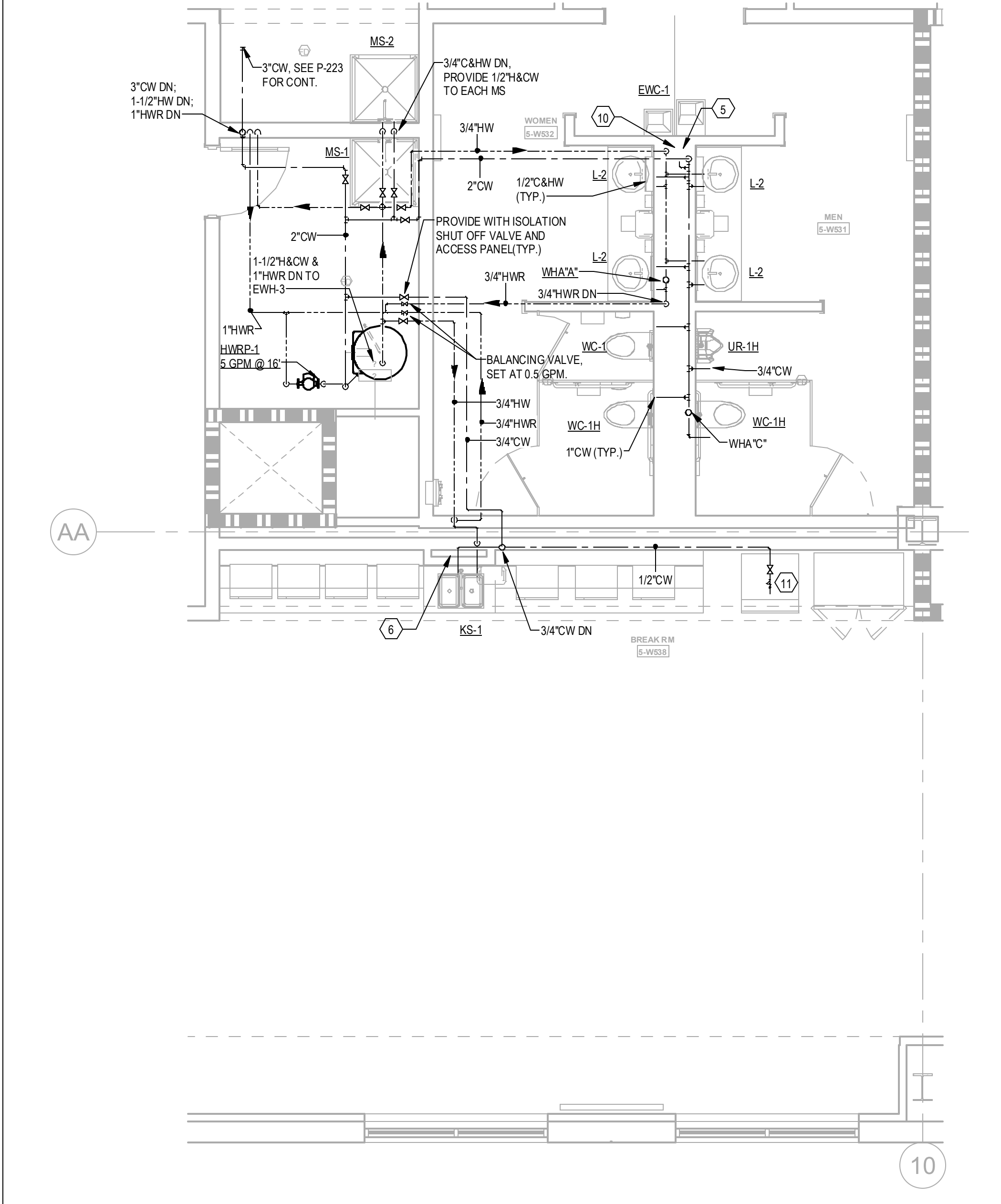
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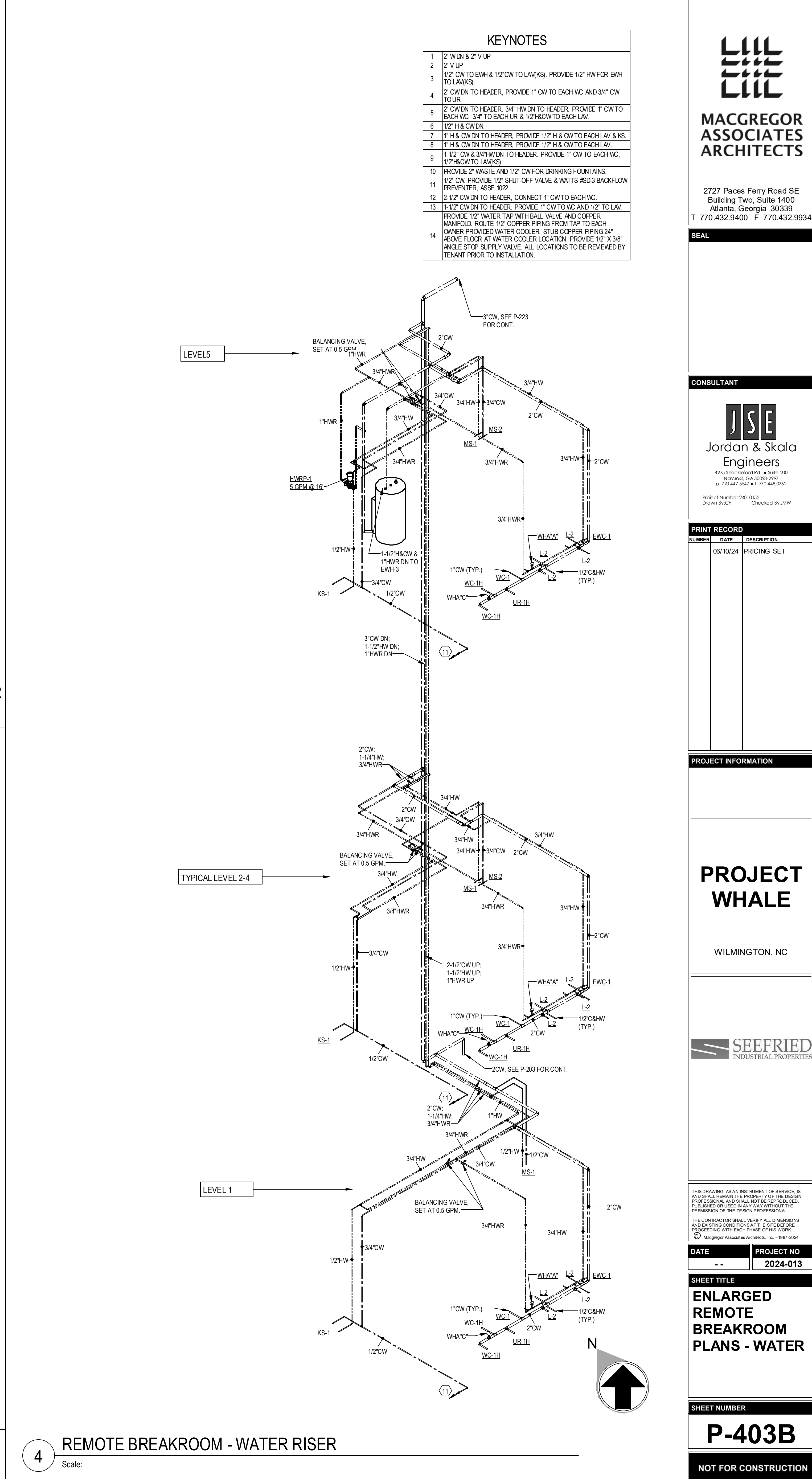
2 ENLARGED REMOTE BREAKROOM - LEVEL 2-4 - WATER
1/4" = 1'-0"



1 ENLARGED REMOTE BREAKROOM - LEVEL 1 - WATER
1/4" = 1'-0"



3 ENLARGED REMOTE BREAKROOM - LEVEL 5 - WATER
1/4" = 1'-0"



4 REMOTE BREAKROOM - WATER RISER
Scale:

KEYNOTES	
1	2" WD & 2" V UP
2	2" V UP
3	1/2" CW TO EWH & 1/2" CW TO LAV(S), PROVIDE 1/2" HW FOR EWH TO LAV(S).
4	2" CW DN TO HEADER, PROVIDE 1" CW TO EACH VC AND 3/4" CW TO UR.
5	2" CW DN TO HEADER, PROVIDE 1/2" H & CW TO EACH VC AND 3/4" CW TO EACH UR & 1/2" H & CW TO EACH LAV.
6	1/2" H & CW DN
7	1" H & CW DN TO HEADER, PROVIDE 1/2" H & CW TO EACH LAV & KS.
8	1" H & CW DN TO HEADER, PROVIDE 1/2" H & CW TO EACH LAV.
9	1-1/2" CW & 3/4" HW DN TO HEADER, PROVIDE 1" CW TO EACH VC, 1/2" H & CW TO LAV(S).
10	PROVIDE 2" WASTE AND 1/2" CW FOR DRINKING FOUNTAINS.
11	1/2" CW, PROVIDE 1/2" SHUT-OFF VALVE & WATTS #SD3 BACKFLOW PREVENTER, ASSE 1022.
12	2-1/2" CW DN TO HEADER, CONNECT 1" CW TO EACH VC.
13	1-1/2" CW DN TO HEADER, PROVIDE 1" CW TO VC AND 1/2" TO LAV. PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANIFOLD, ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. STUB COPPER PIPING 24" ABOVE FLOOR, AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.
14	

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Project Number: 24010155
Drawn By: CF Checked By: JMW

PRINT RECORD

NUMBER	DATE	DESCRIPTION
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PROJECT INFORMATION

PROJECT WHALE

WILMINGTON, NC

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MacGregor Associates Architects, Inc. - 1987-2024

DATE	PROJECT NO
--	2024-013

SHEET TITLE

ENLARGED

REMOTE

BREAKROOM

PLANS - WATER

SHEET NUMBER

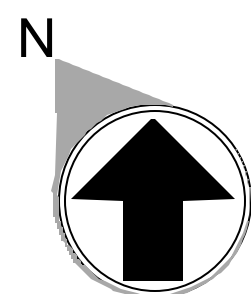
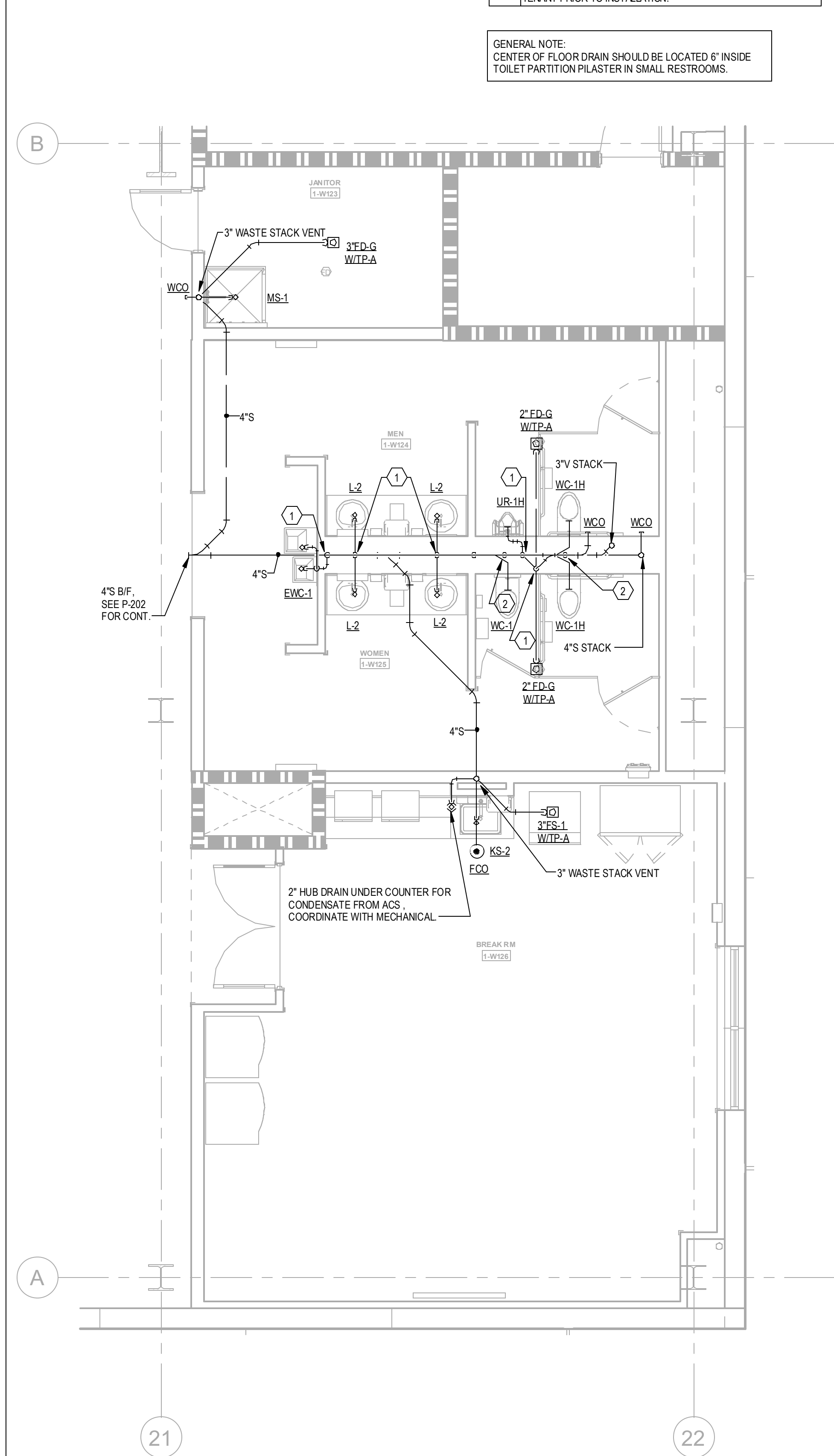
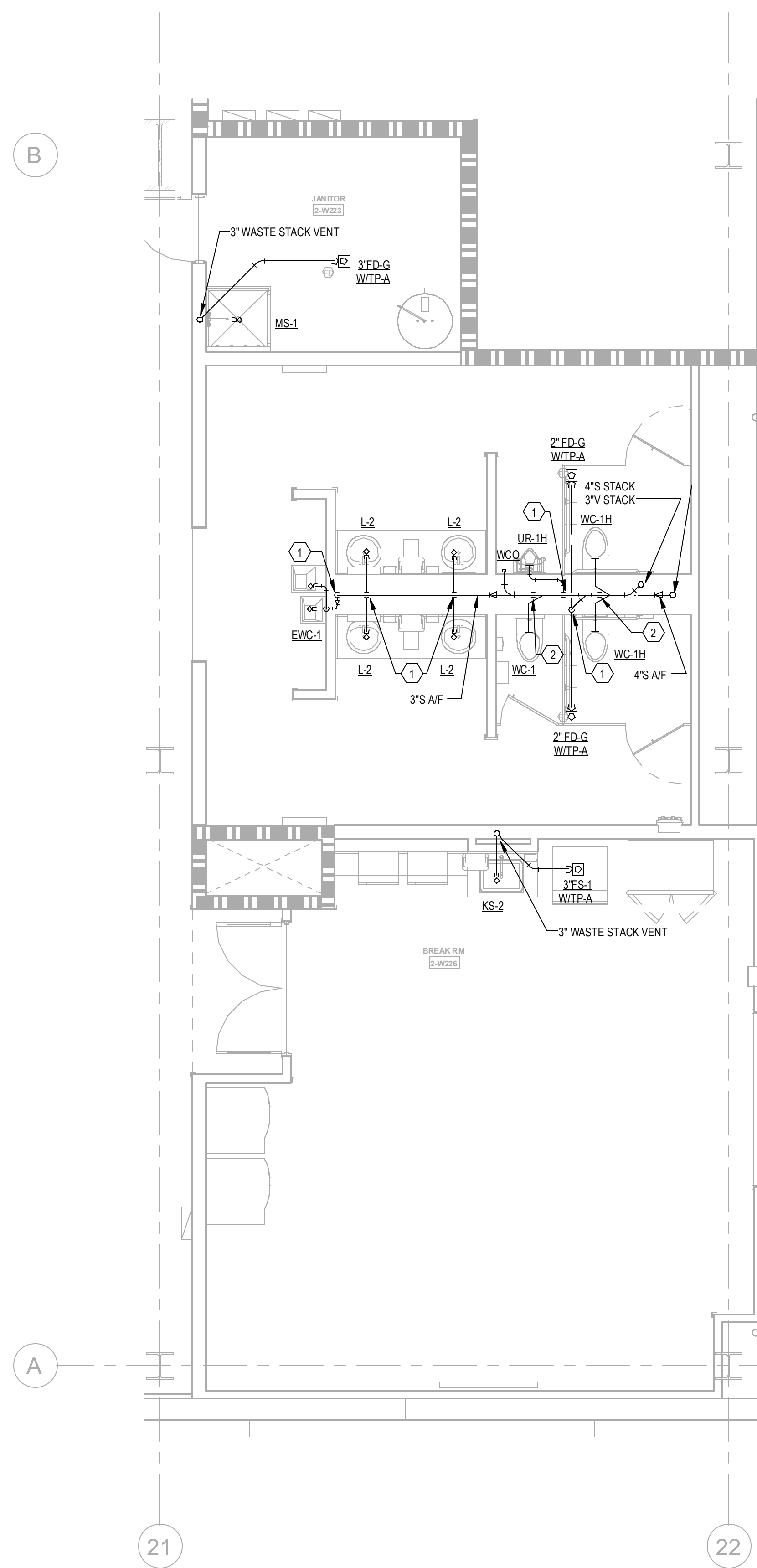
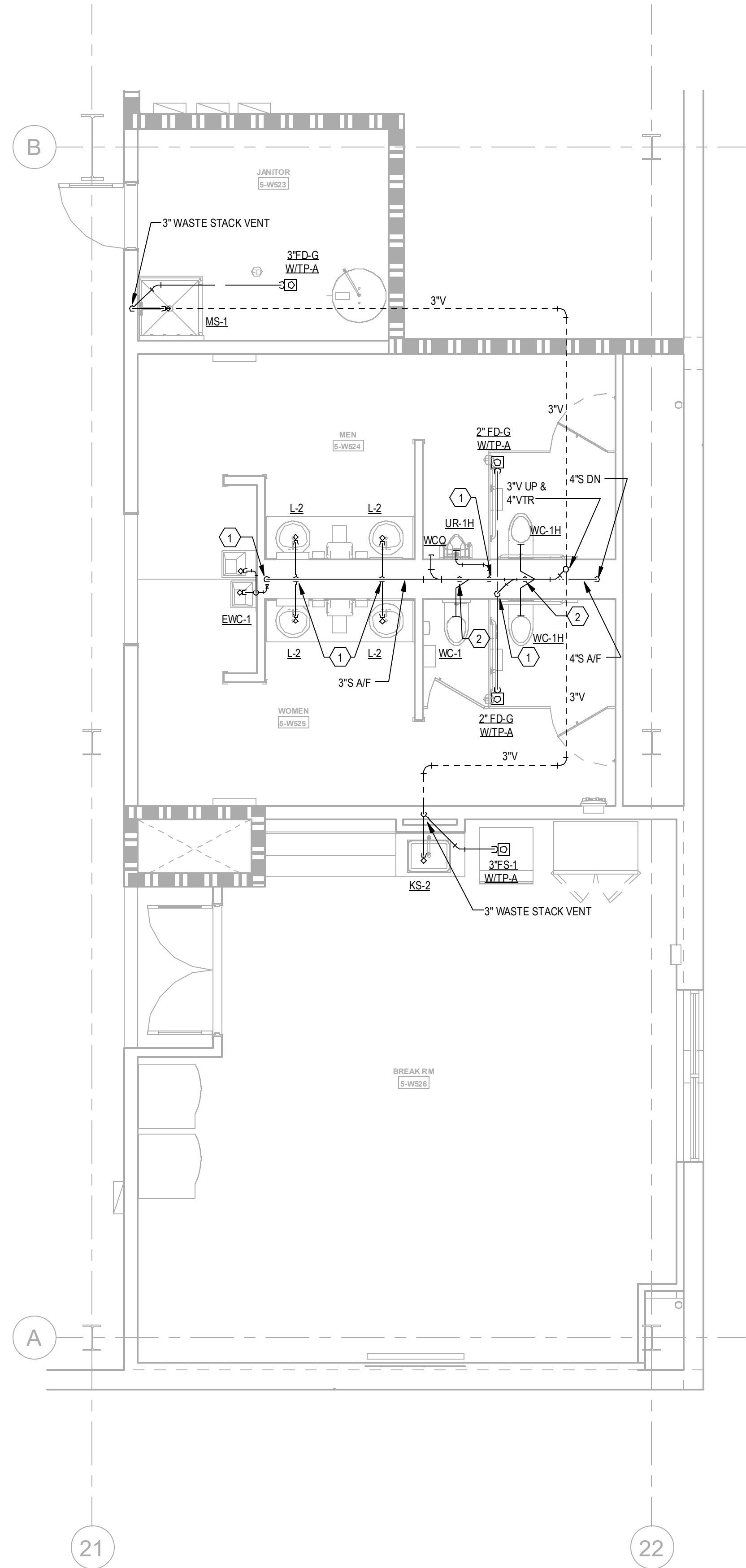
P-403B

NOT FOR CONSTRUCTION

6/7/2024 4:47:58 PM

3 RESTROOMS - SANITARY RISER

Scale:



KEYNOTES	
1	2" WD & 2" V UP
2	2" V UP
3	1/2" CW TO EWH & 1/2" CW TO LAV(S). PROVIDE 1/2" HW FOR EWH TO LAV(S).
4	2" CW DN TO HEADER, PROVIDE 1" CW TO EACH VC AND 3/4" CW TOUR
5	2" CW DN TO HEADER, 3/4" HW DN TO HEADER, PROVIDE 1" CW TO EACH VC, 3/4" TO EACH UR & 1/2" CW TO EACH LAV.
6	1/2" H & OW DN
7	1" H & OW DN TO HEADER, PROVIDE 1/2" H & CW TO EACH LAV & KS.
8	1" H & OW DN TO HEADER, PROVIDE 1/2" H & CW TO EACH LAV.
9	1 1/2" CW & 3/4" HW DN TO HEADER, PROVIDE 1" CW TO EACH VC, 1/2" CW TO LAV(S).
10	PROVIDE 2" WASTE AND 1/2" CW FOR DRINKING FOUNTAINS.
11	1/2" CW, PROVIDE 1/2" SHUT-OFF VALVE & WATTS MSD-3 BACKFLOW PREVENTER, ASSE 1022
12	2 1/2" CW DN TO HEADER, CONNECT 1" CW TO EACH VC.
13	1 1/2" CW DN TO HEADER, PROVIDE 1" CW TO VC AND 1/2" TO LAV.
14	PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANFOLD. ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. SUB COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.

GENERAL NOTE:
CENTER OF FLOOR DRAIN SHOULD BE LOCATED 6" INSIDE TOILET PARTITION PILASTER IN SMALL RESTROOMS.

4

ENLARGED RESTROOMS - LEVEL 5 - SANITARY

1/4" = 1'-0"

2

ENLARGED RESTROOMS - LEVEL 2-4 - SANITARY

1/4" = 1'-0"

1

ENLARGED RESTROOMS - LEVEL 1 - SANITARY

1/4" = 1'-0"



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Project Number 24010155 Drawn By: JCF

Checked By: JMW

PRINT RECORD

NUMBER	DATE	DESCRIPTION
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06/10/24		PRICING SET
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PROJECT INFORMATION

**PROJECT
WHALE**

WILMINGTON, NC



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DATE	PROJECT NO
--	2024-013

SHEET TITLE

**ENLARGED
RESTROOM
PLANS -
SANITARY**

SHEET NUMBER

P-404A

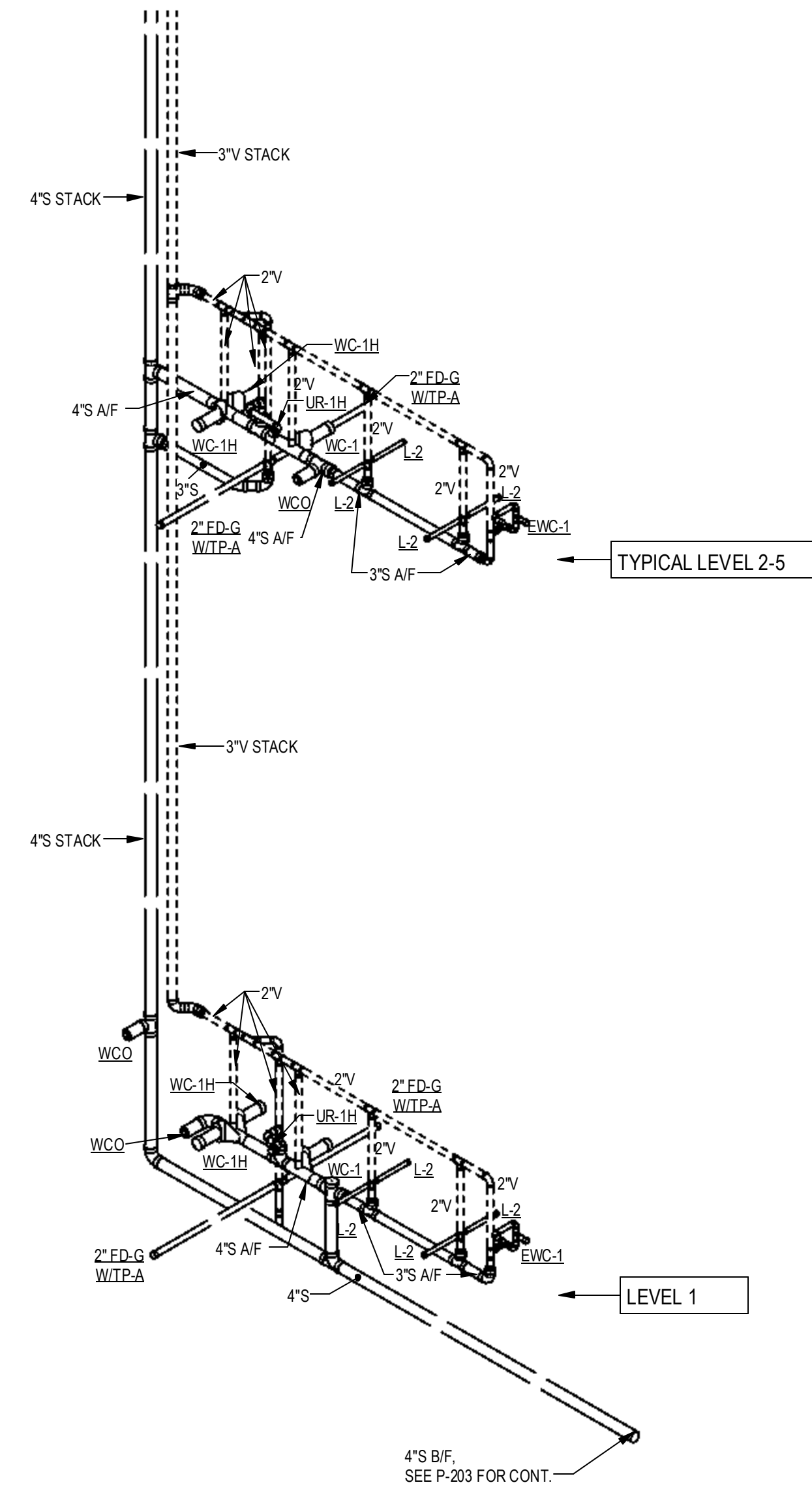
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4

RESTROOMS - SANITARY RISER

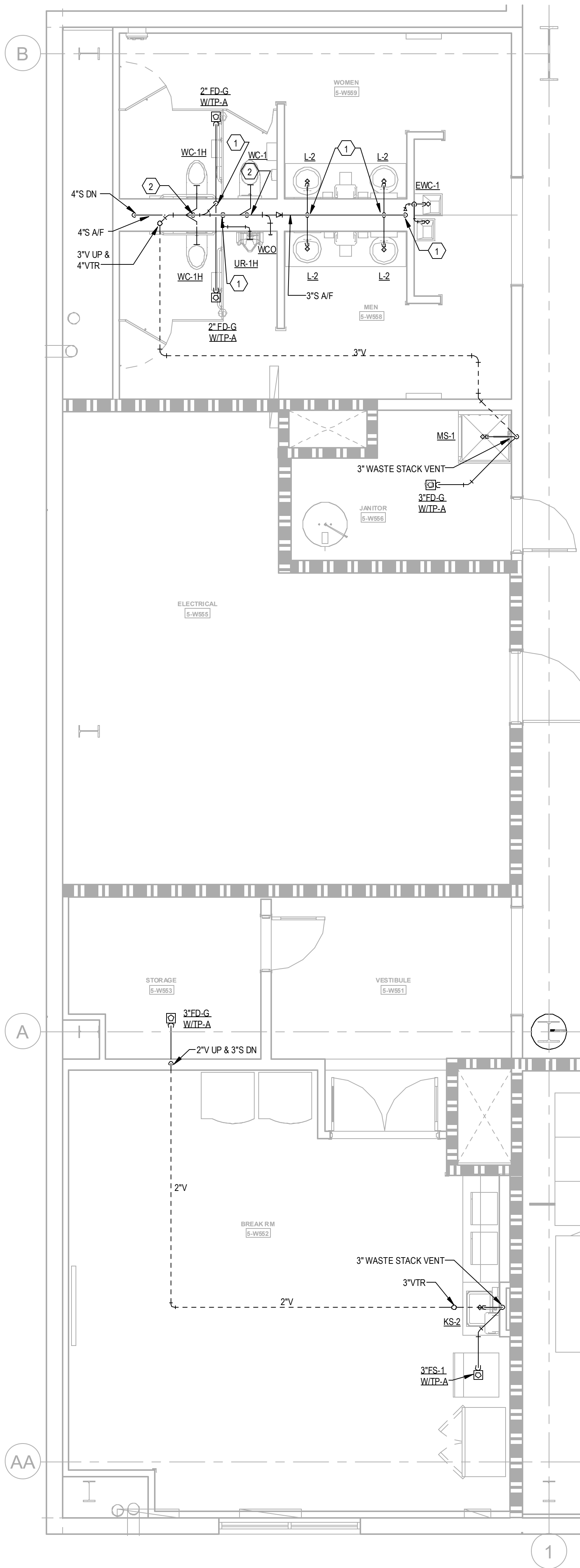
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3

ENLARGED RESTROOMS - LEVEL 5 - SANITARY

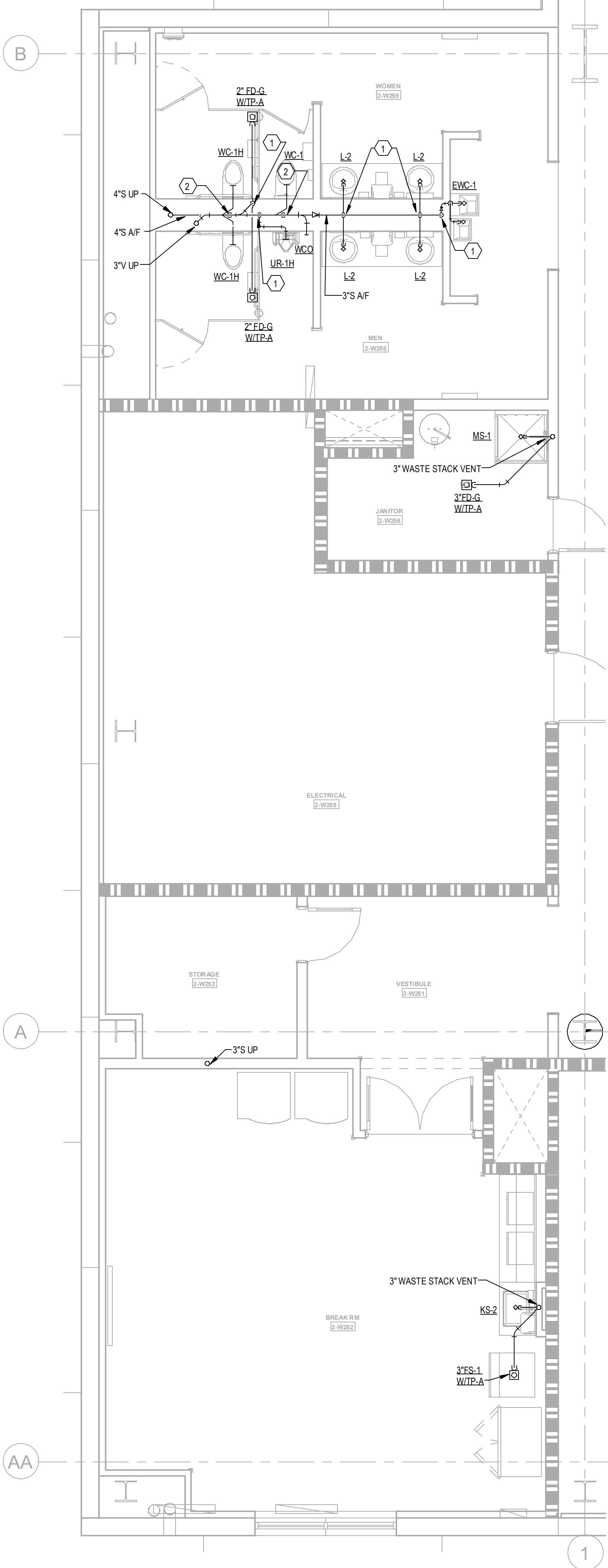
1/4" = 1'-0"



2

ENLARGED RESTROOMS - LEVEL 2-4 - SANITARY

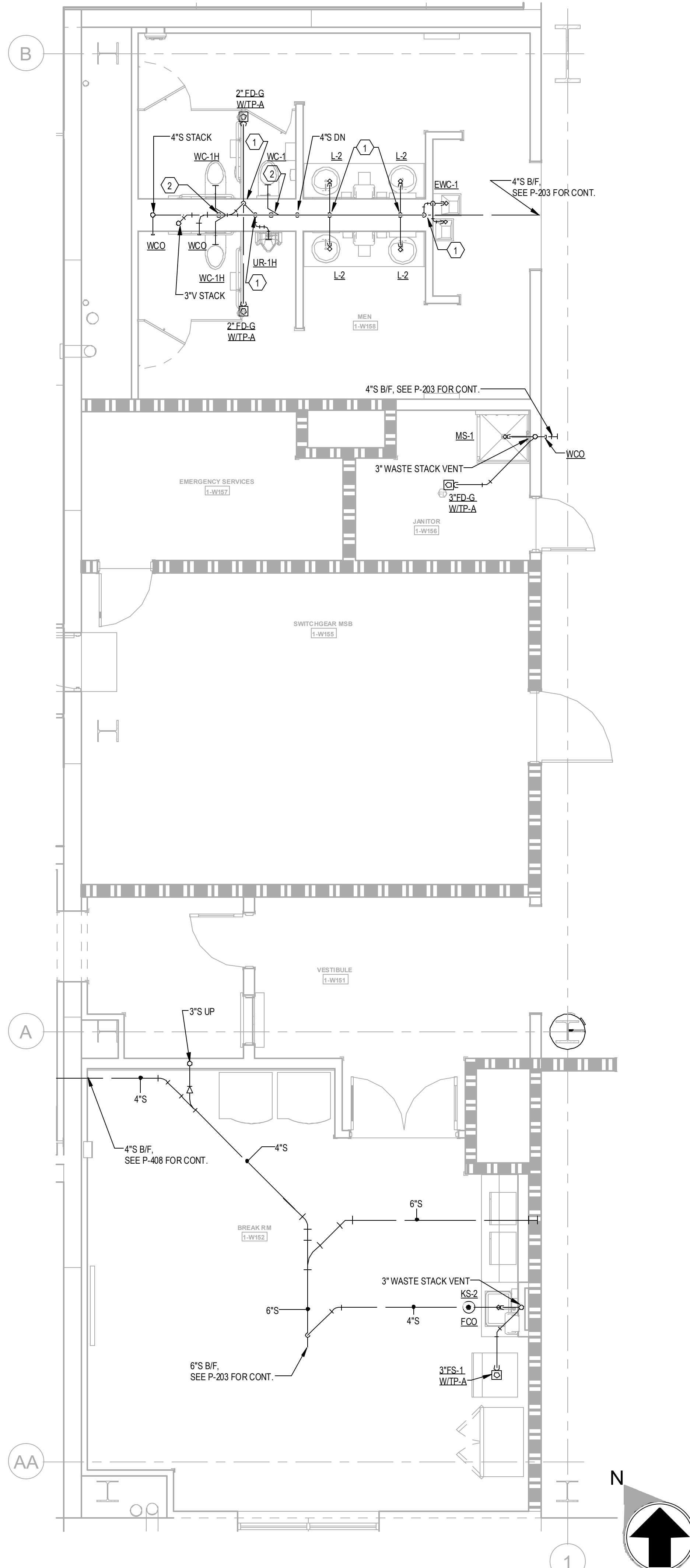
1/4" = 1'-0"



1

ENLARGED RESTROOMS - LEVEL 1 - SANITARY

1/4" = 1'-0"



GENERAL NOTE:
CENTER OF FLOOR DRAIN SHOULD BE LOCATED 6\"/>

KEYNOTES

- 1 2\"/>
- 2 2\"/>
- 3 1/2\"/>
- 4 2\"/>
- 5 2\"/>
- 6 12\"/>
- 7 1\"/>
- 8 1\"/>
- 9 1-1/2\"/>
- 10 PROVIDE 2\"/>
- 11 1/2\"/>
- 12 2-1/2\"/>
- 13 1-1/2\"/>
- 14 PROVIDE 1/2\"/>



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Project Number 2401035
Drawn By: CF Checked By: JMW

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Project Number: 24010155 Checked By: JMW
Drawn By: CF

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PROJECT INFORMATION

PROJECT
WHALE

WILMINGTON, NC



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DATE	PROJECT NO.
--	2024-013

SHEET TITLE

ENLARGED
RESTROOM
PLANS - WATER

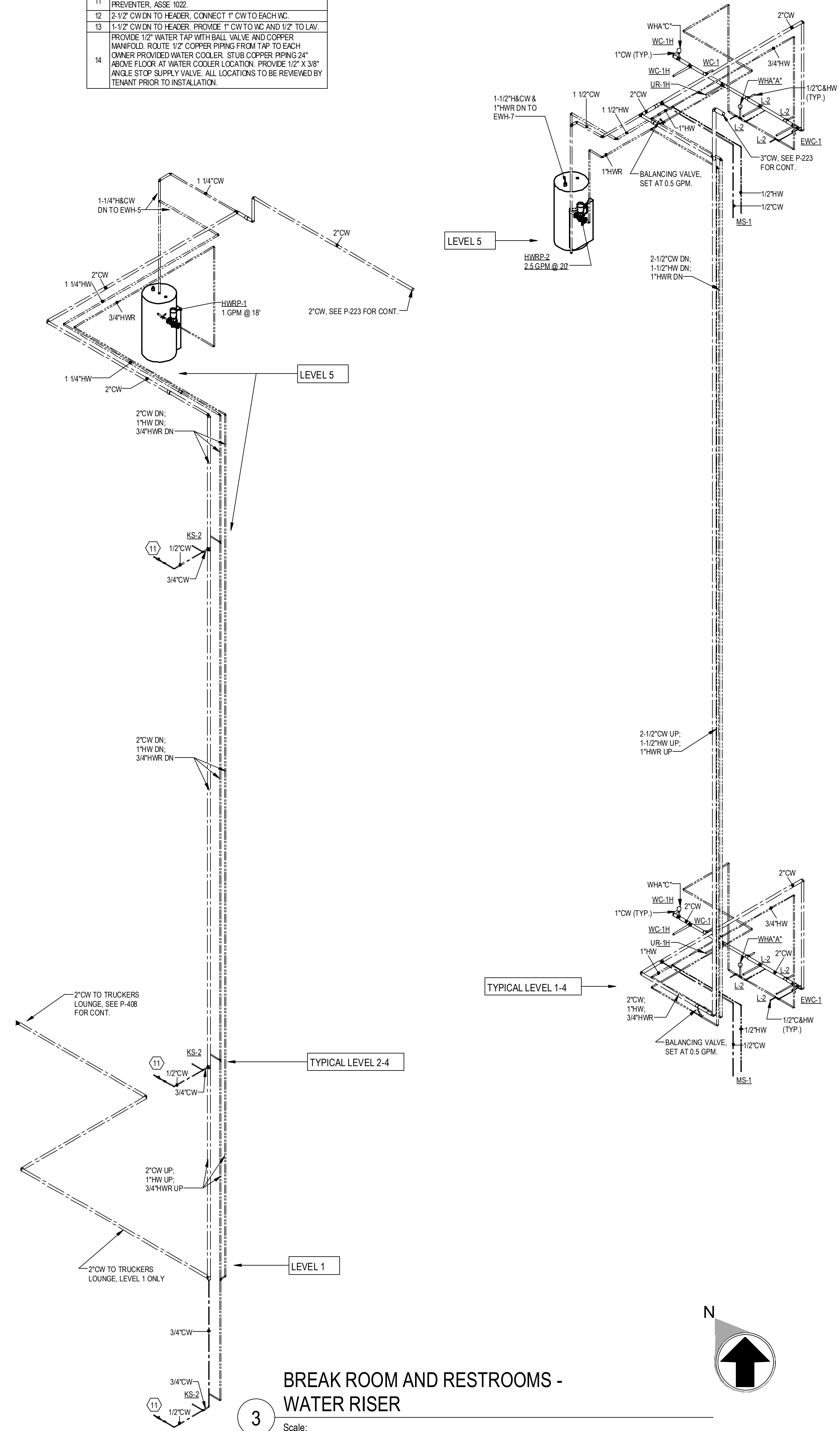
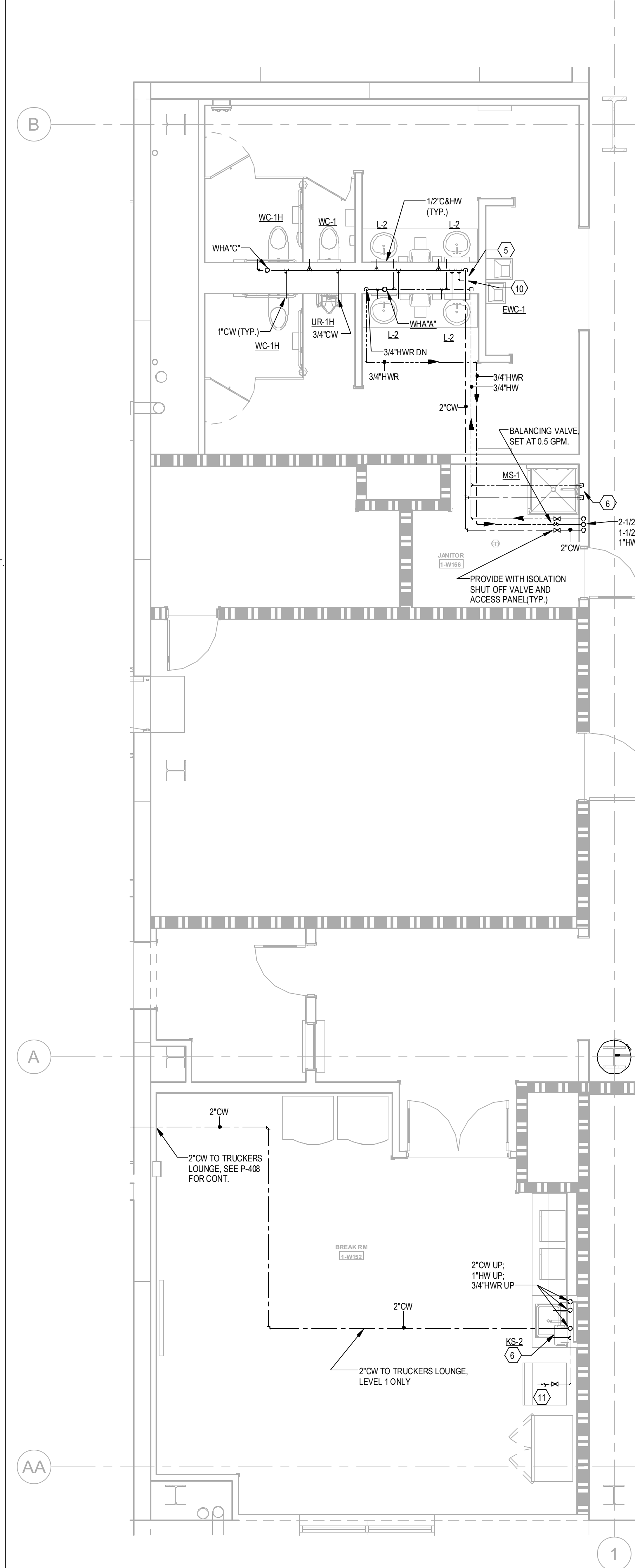
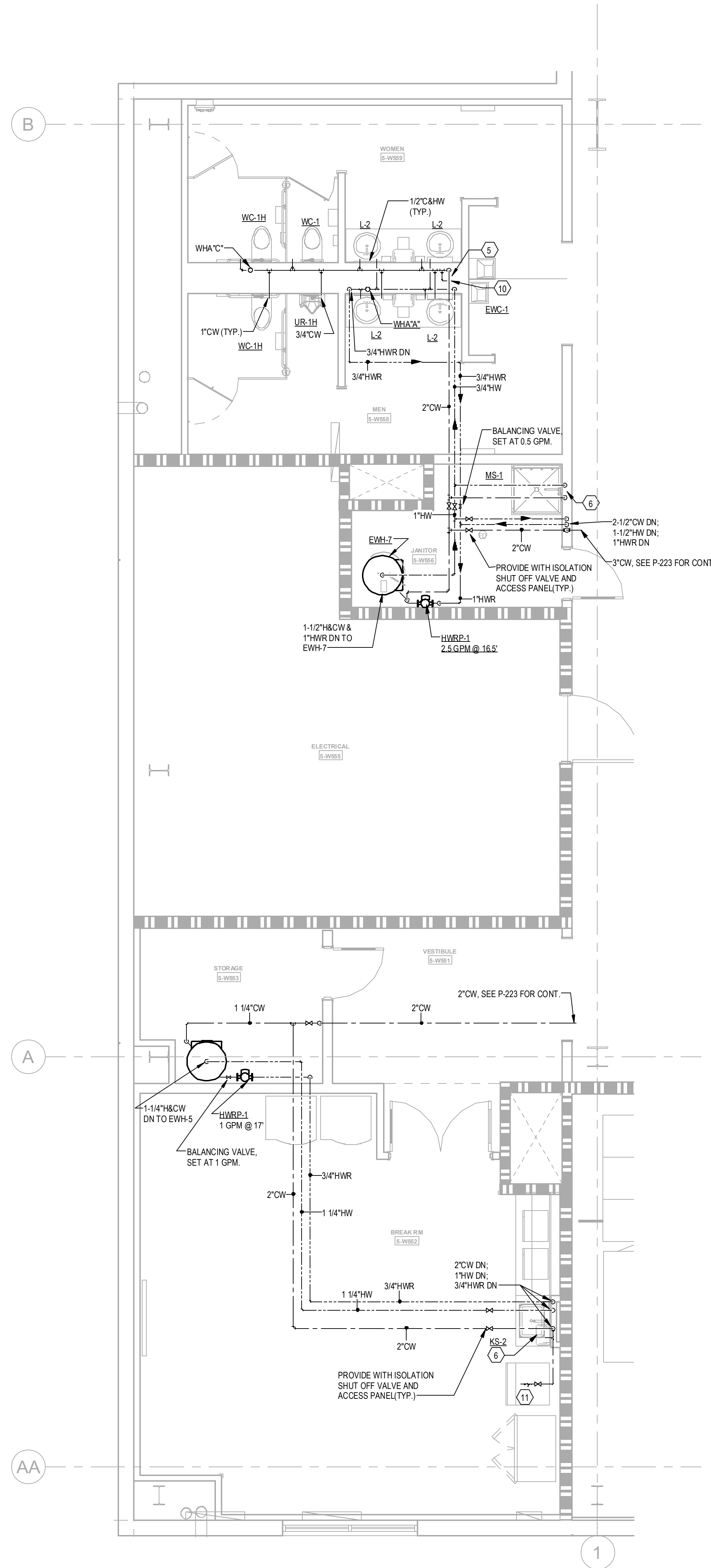
SHEET NUMBER

P-405B

NOT FOR CONSTRUCTION

KEYNOTES

1	2" WD N & 2" V UP
2	2" V UP
3	1/2" CW TO EVH & 1/2" CW TO LAV(S), PROVIDE 1/2" HW FOR EVH TO LAV(S).
4	2" CW DN TO HEADER, PROVIDE 1" CW TO EACH WC AND 3/4" CW TO UR.
5	2" CW DN TO HEADER, 3/4" HW DN TO HEADER, PROVIDE 1" CW TO EACH WC, 3/4" TO EACH UR & 1/2" HW TO EACH LAV.
6	1/2" H & CW DN
7	1" H & CW DN TO HEADER, PROVIDE 1/2" H & CW TO EACH LAV & KS.
8	1" H & CW DN TO HEADER, PROVIDE 1/2" H & CW TO EACH LAV.
9	1-1/2" CW & 3/4" HW DN TO HEADER, PROVIDE 1" CW TO EACH WC, 1/2" HW TO LAV(S).
10	PROVIDE 2" WASTE AND 1/2" CW FOR DRINKING FOUNTAINS.
11	1/2" CW, PROVIDE 1/2" SHUT-OFF VALVE & WATTS MSD-3 BACKFLOW PREVENTER, ASSE 1022.
12	2-1/2" CW DN TO HEADER, CONNECT 1" CW TO EACH WC.
13	1-1/2" CW DN TO HEADER, PROVIDE 1" CW TO WC AND 1/2" TO LAV. PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANIFOLD, ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. STUDS COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.
14	



2

ENLARGED RESTROOMS - LEVEL 5 - WATER

1/4" = 1'-0"

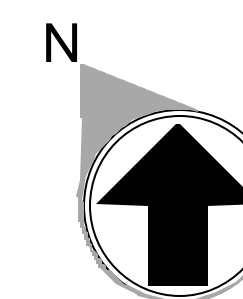
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ENLARGED RESTROOMS - LEVEL 1-4 - WATER

1/4" = 1'-0"

BREAK ROOM AND RESTROOMS -
WATER RISER

Scale:



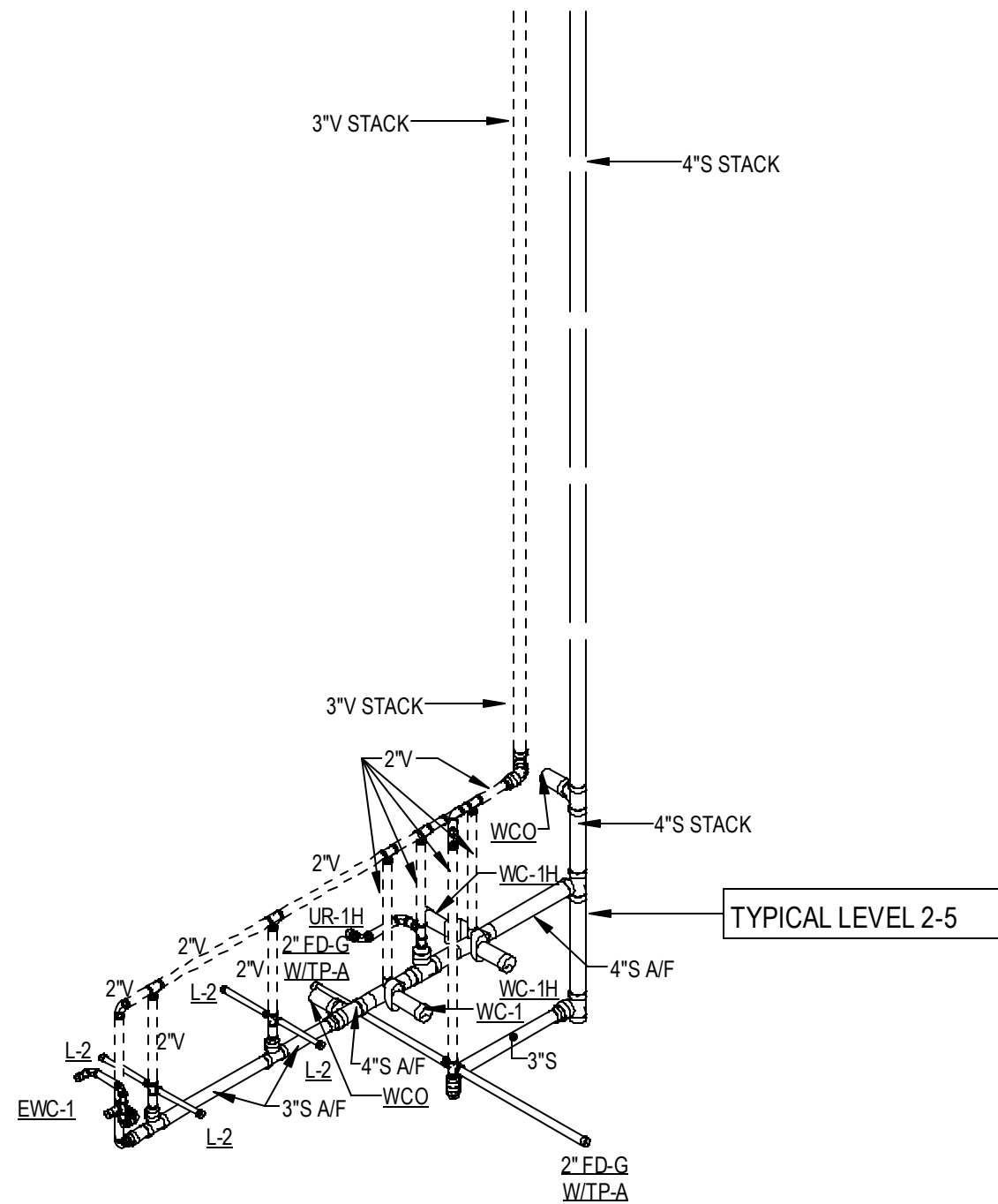
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1/4" = 1'-0"

ENLARGED RESTROOMS - LEVEL 2-4 - SANITARY

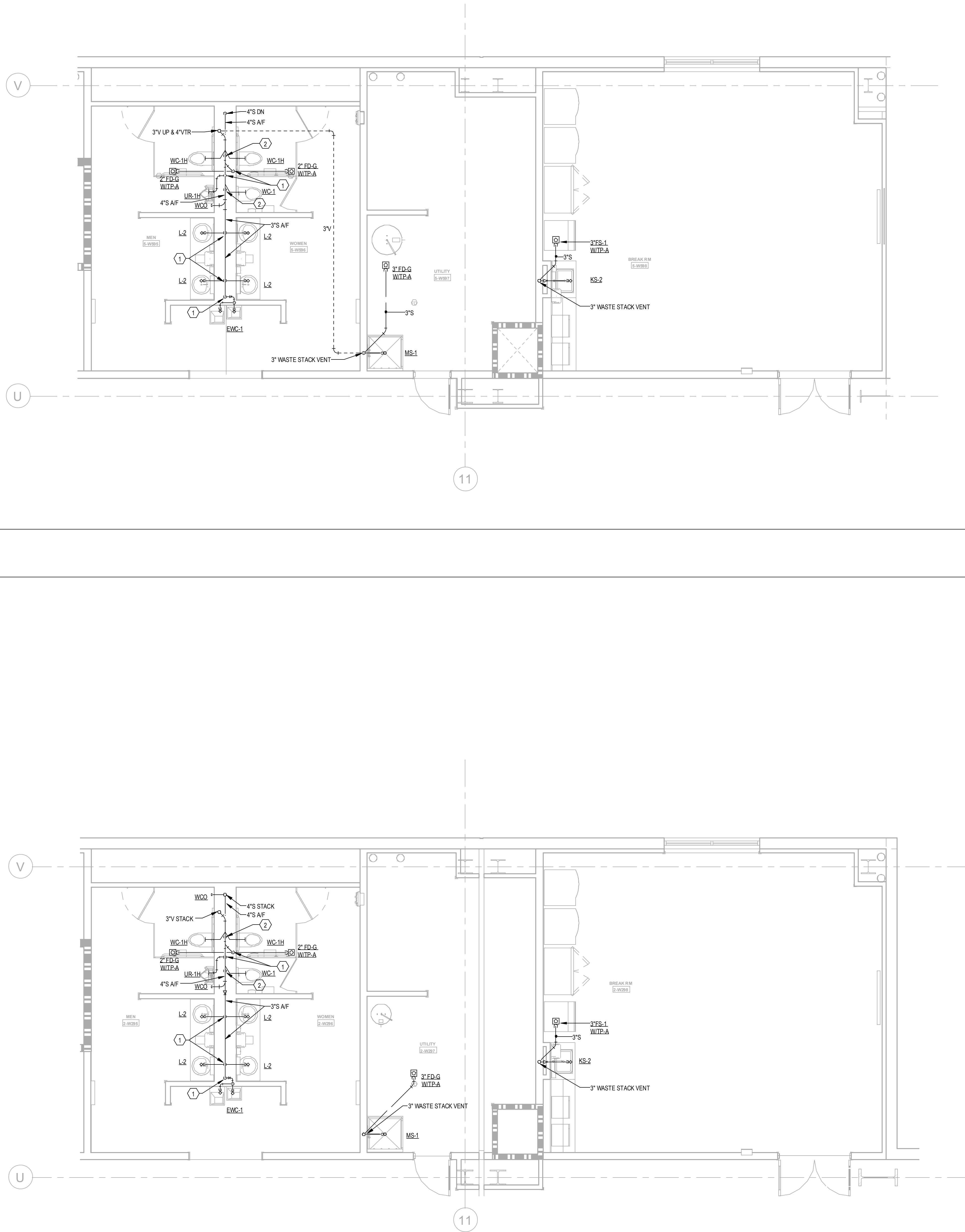
2
Scale:

RESTROOMS - SANITARY RISER



3
1/4" = 1'-0"

ENLARGED RESTROOMS - LEVEL 5 - SANITARY



KEYNOTES		
1	2\"/>	
2	2\"/>	
3	1/2\"/>	
4	2\"/>	
5	2\"/>	
6	1/2\"/>	
7	1\"/>	
8	1\"/>	
9	1-1/2\"/>	
10	PROVIDE 2\"/>	
11	1/2\"/>	
12	2-1/2\"/>	
13	1-1/2\"/>	
14	PROVIDE 1/2\"/>	

GENERAL NOTE:
CENTER OF FLOOR DRAIN SHOULD BE LOCATED 6\"/>

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Project Number 24010155 Checked By JMW
Drawn By CF

PRINT RECORD		
NUMBER	DATE	DESCRIPTION
	06/10/24	PRICING SET

PROJECT INFORMATION

PROJECT WHALE

WILMINGTON, NC

SEEFRIED INDUSTRIAL PROPERTIES

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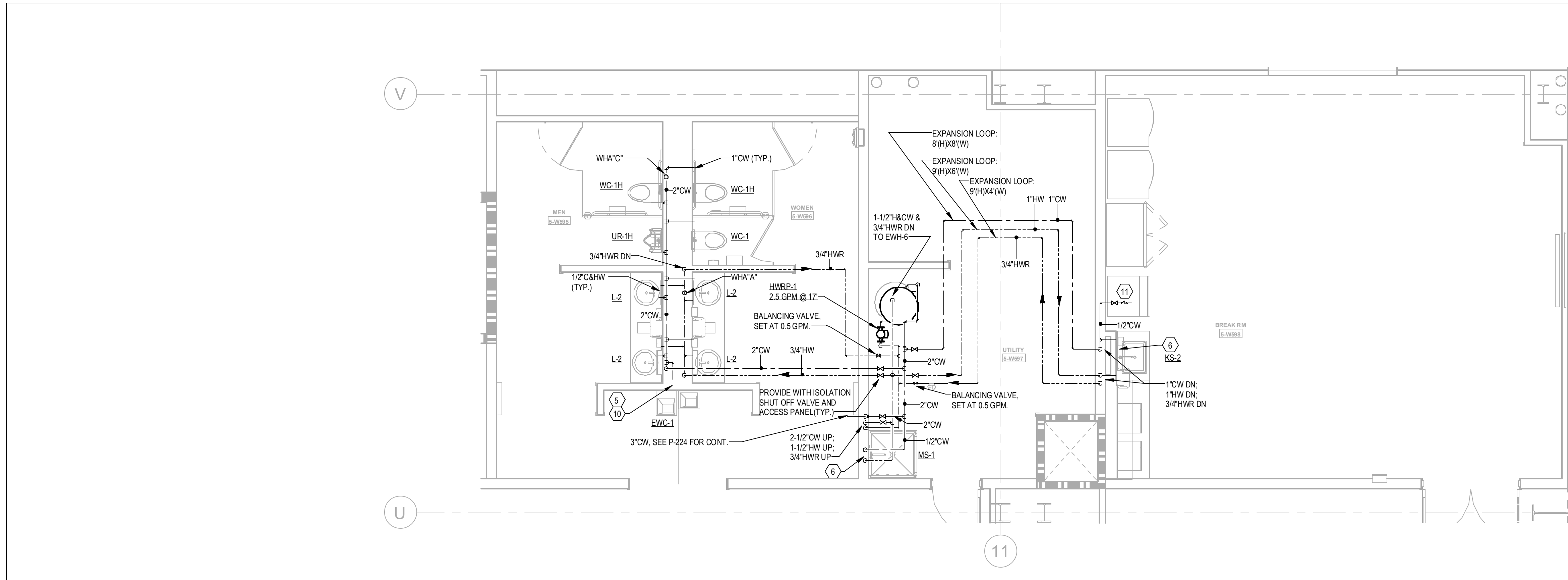
DATE: -- PROJECT NO: 2024-013

SHEET TITLE
ENLARGED RESTROOM PLANS - SANITARY

SHEET NUMBER

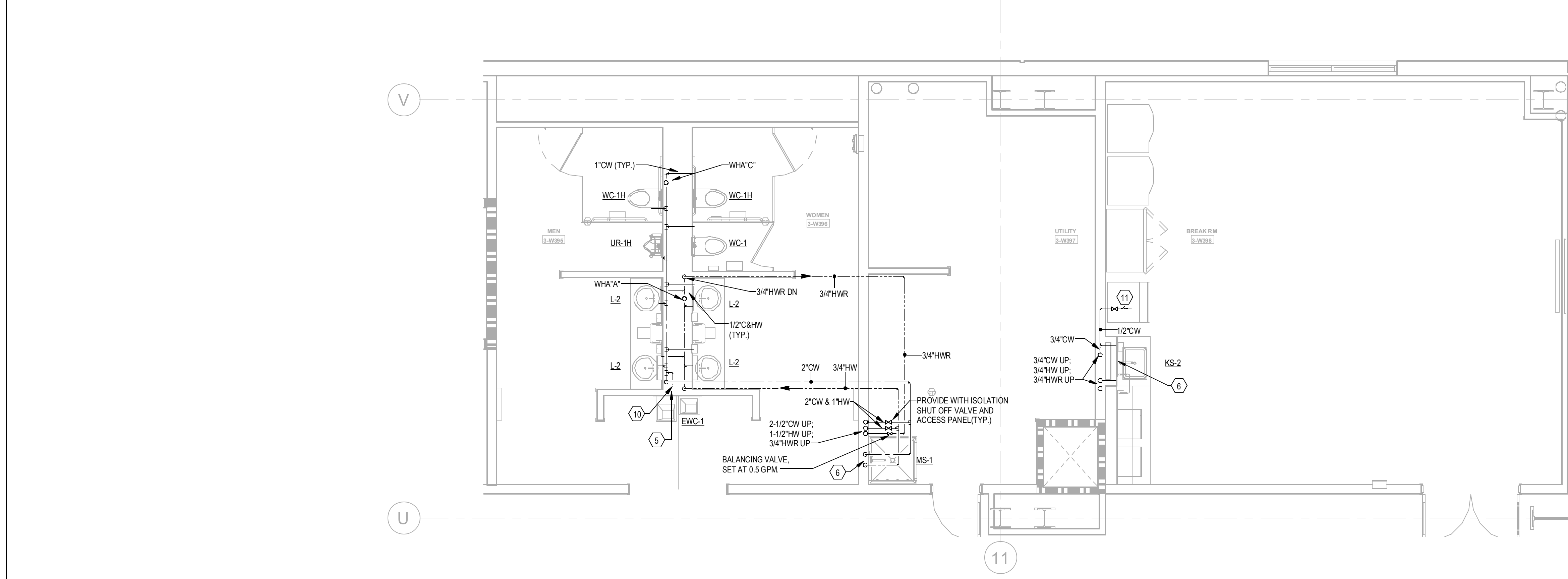
P-406A

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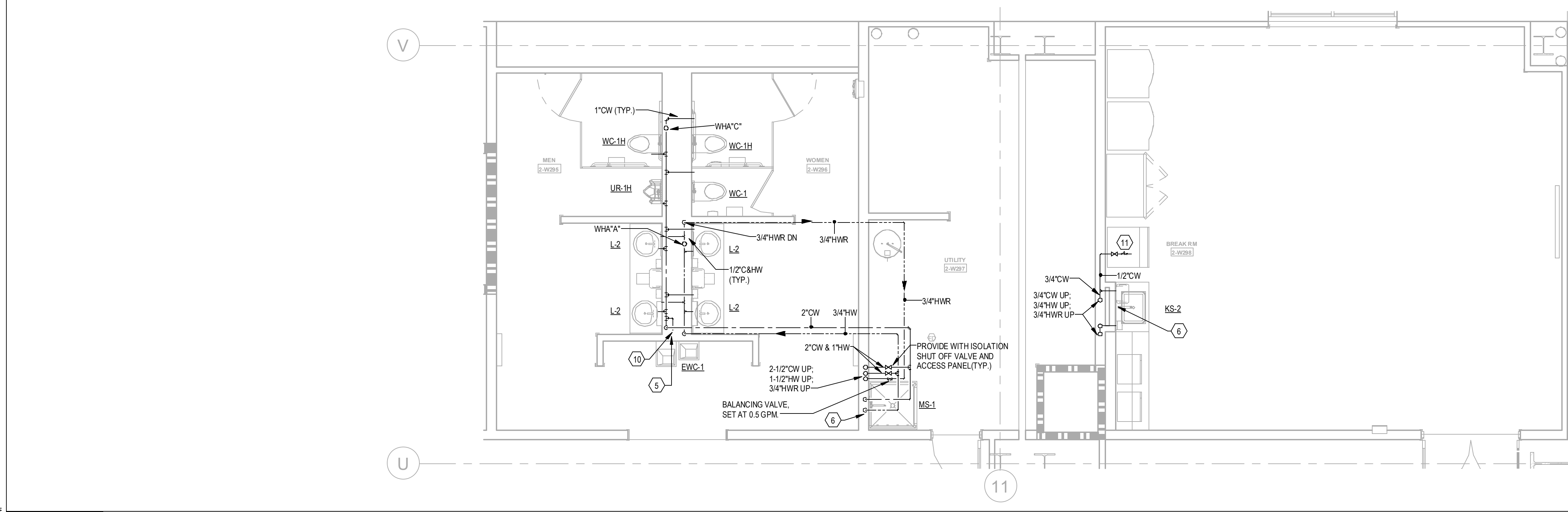
3 ENLARGED RESTROOMS - LEVEL 5 - WATER

1/4" = 1'-0"



2 ENLARGED RESTROOMS - LEVEL 3-4 - WATER

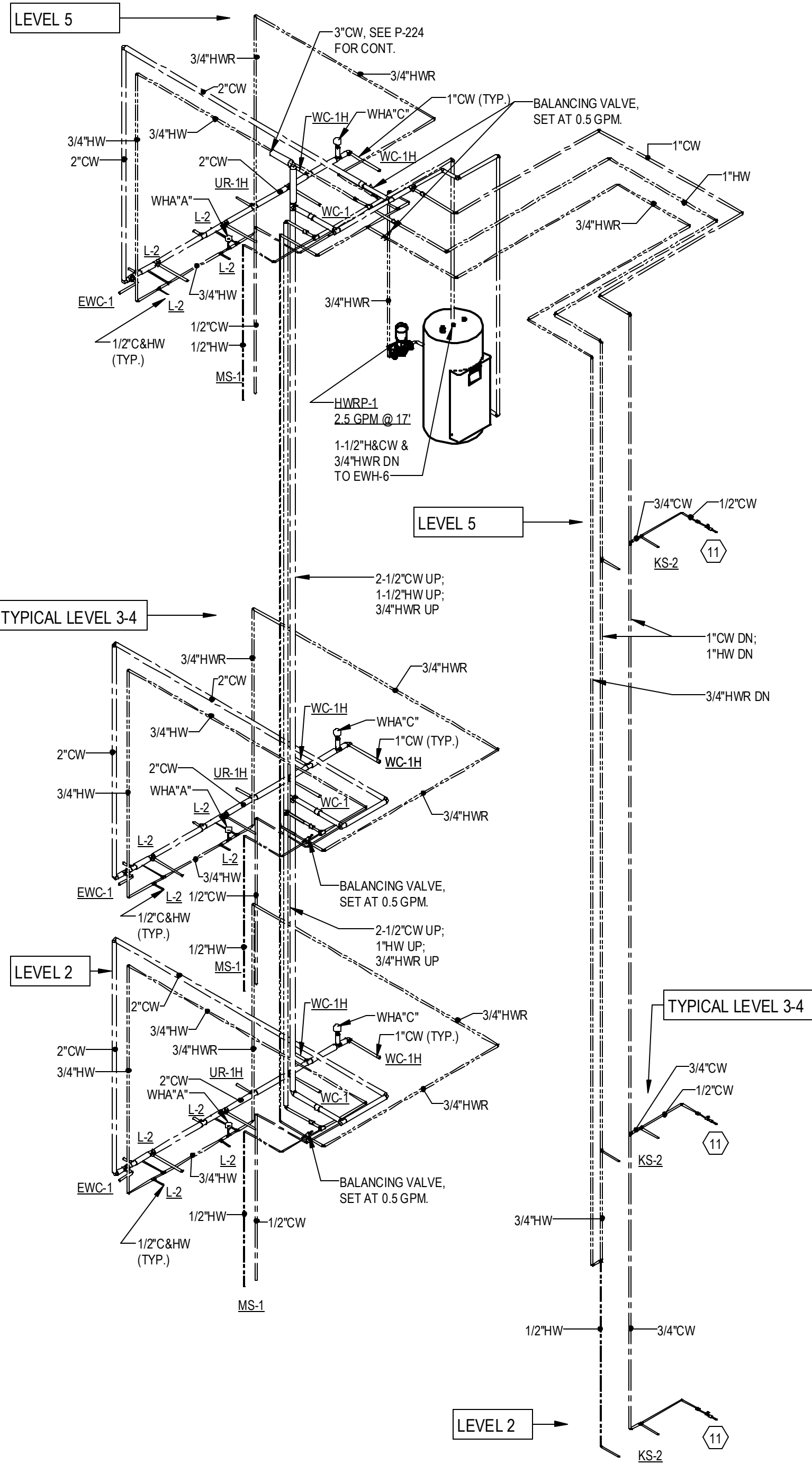
1/4" = 1'-0"



1 ENLARGED RESTROOMS - LEVEL 2 - WATER

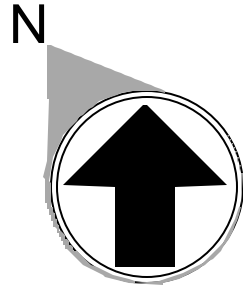
1/4" = 1'-0"

KEYNOTES		
1	2" WD & 2" V UP	
2	2" V UP	
3	1/2" CW TO EWH & 1/2" CW TO LAV(S). PROVIDE 1/2" HW FOR EWH TO LAV(S).	
4	2" CW DN TO HEADER. PROVIDE 1" CW TO EACH VC AND 3/4" CW TOUR	
5	2" CW DN TO HEADER. 3/4" HW DN TO HEADER. PROVIDE 1" CW TO EACH VC. 3/4" TO EACH UR & 1/2" BCW TO EACH LAV.	
6	1/2" H & CW DN	
7	1" H & CW DN TO HEADER. PROVIDE 1/2" H & CW TO EACH LAV & KS.	
8	1" H & CW DN TO HEADER. PROVIDE 1/2" H & CW TO EACH LAV.	
9	1-1/2" CW & 3/4" HW DN TO HEADER. PROVIDE 1" CW TO EACH VC, 1/2" BCW TO LAV(S).	
10	PROVIDE 2" WASTE AND 1/2" CW FOR DRINKING FOUNTAINS.	
11	1/2" CW. PROVIDE 1/2" SHUT-OFF VALVE & WATTS MSD-3 BACKFLOW PREVENTER, ASSE 1022	
12	2-1/2" CW DN TO HEADER. CONNECT 1" CW TO EACH VC.	
13	1-1/2" CW DN TO HEADER. PROVIDE 1" CW TO VC AND 1/2" TO LAV.	
14	PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANFOLD. ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. SUB COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.	



4 RESTROOMS - WATER RISER

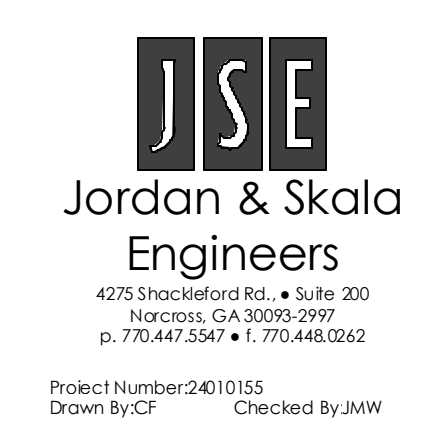
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PROJECT INFORMATION

PROJECT WHALE

WILMINGTON, NC



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DATE PROJECT NO

-- 2024-013

SHEET TITLE

ENLARGED RESTROOM PLANS - WATER

SHEET NUMBER

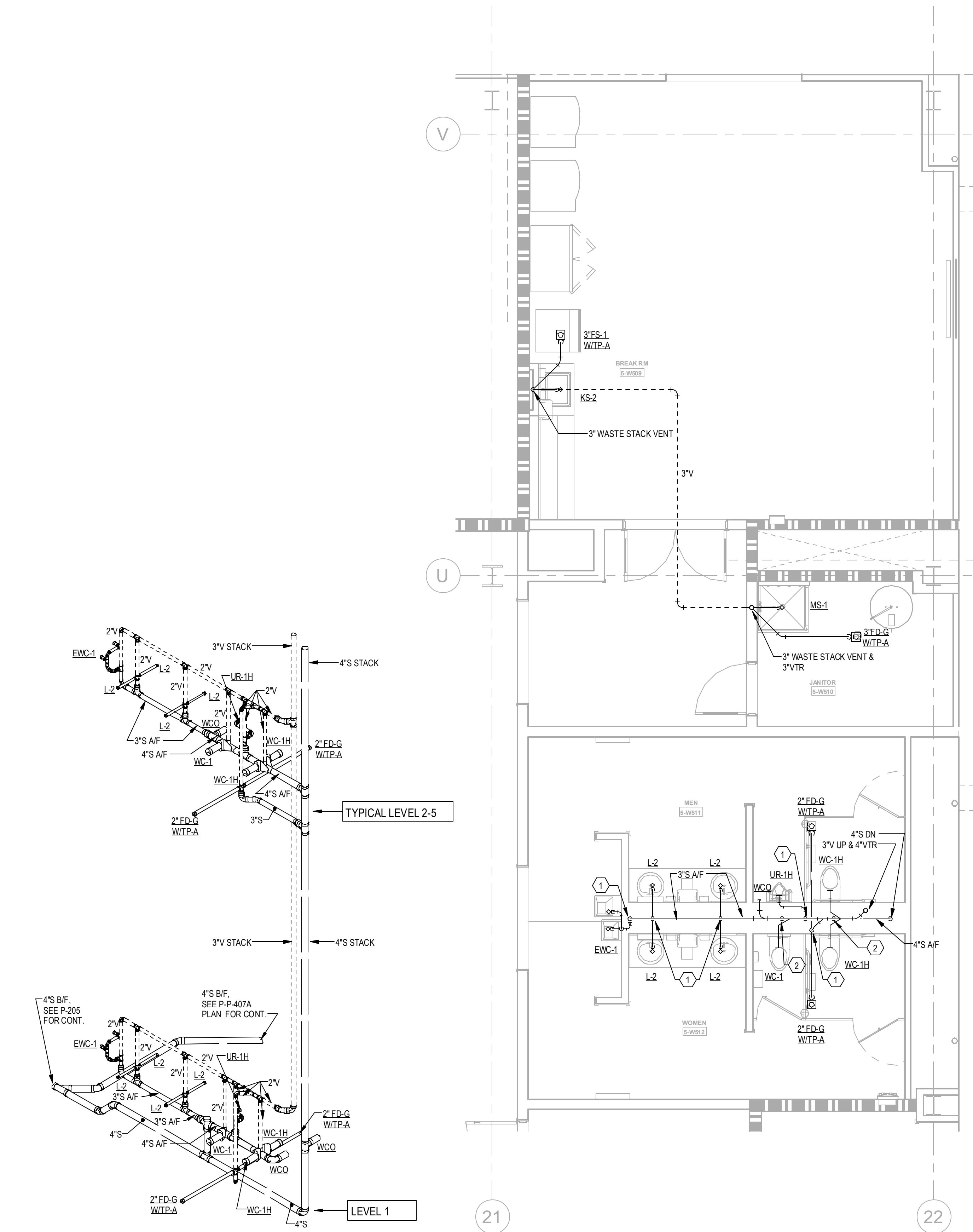
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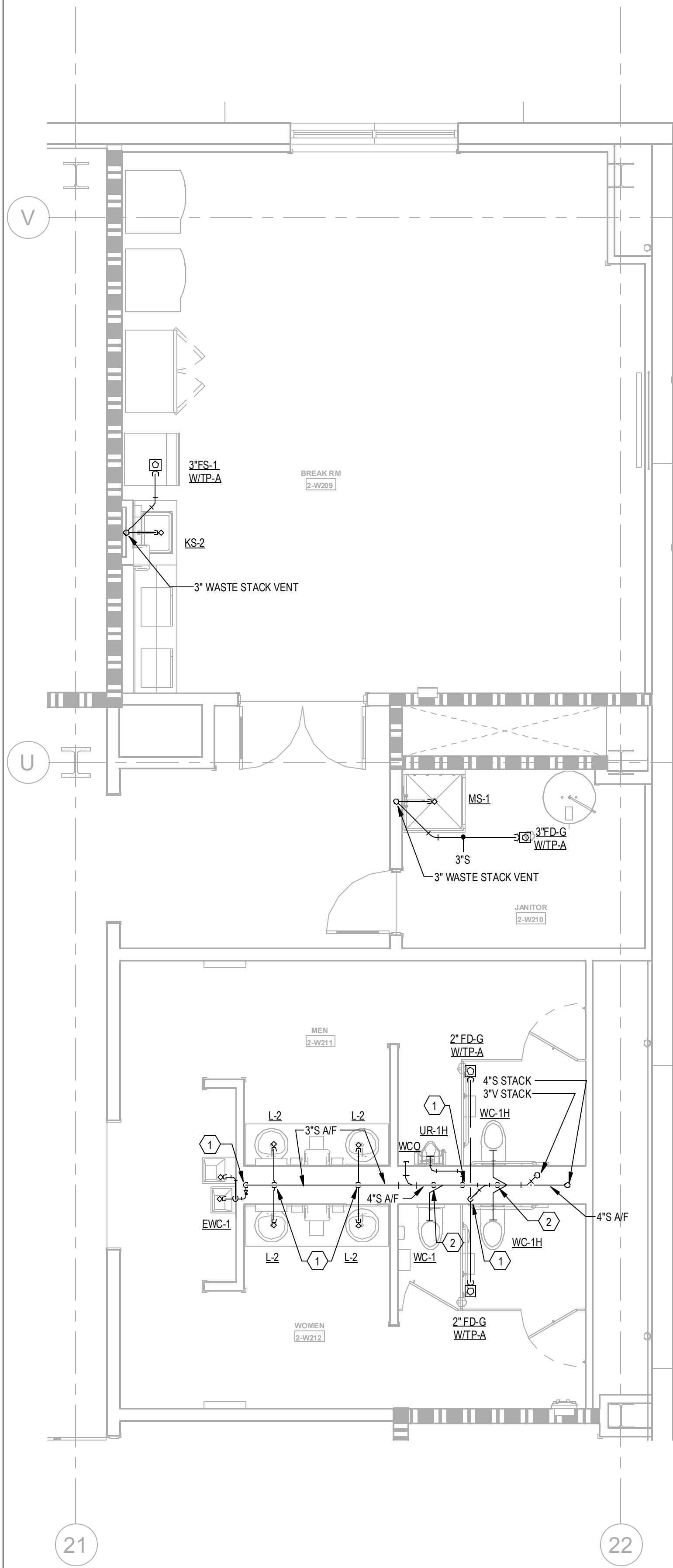
4 RESTROOMS - SANITARY RISER

Scale:

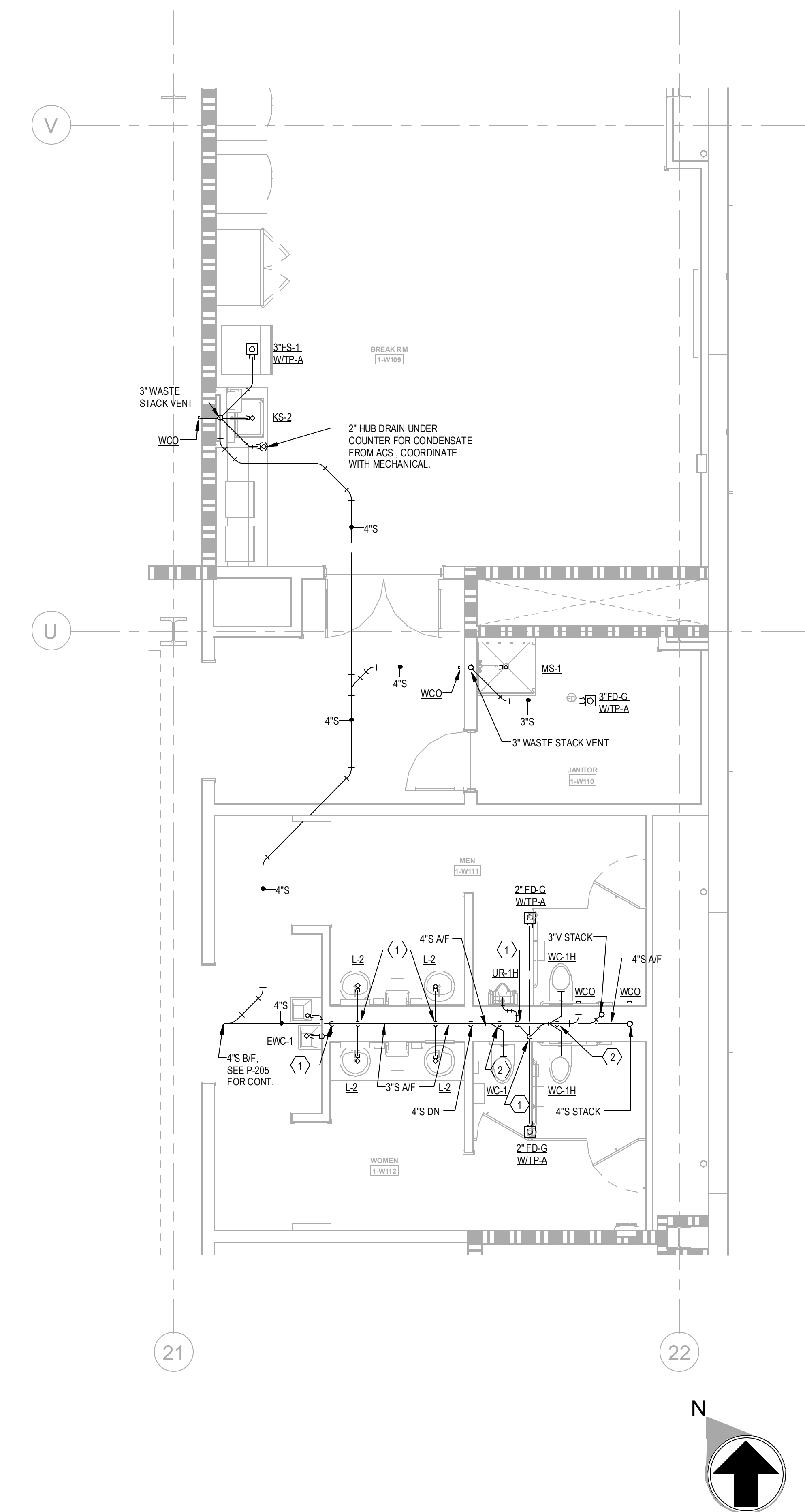


3 ENLARGED RESTROOMS - LEVEL 5 - SANITARY
1/4" = 1'-0"

2 ENLARGED RESTROOMS - LEVEL 2-4 - SANITARY
1/4" = 1'-0"



1 ENLARGED RESTROOMS - LEVEL 1 - SANITARY
1/4" = 1'-0"



KEYNOTES	
1	2" WD & 2" V UP
2	2" V UP
3	1/2" CW TO EWH & 1/2" CW TO LAV(KS). PROVIDE 1/2" HW FOR EWH TO LAV(KS).
4	2" CW DN TO HEADER, PROVIDE 1" CW TO EACH VC AND 3/4" CW TOUR
5	2" CW DN TO HEADER, 3/4" HW DN TO HEADER, PROVIDE 1" CW TO EACH VC, 3/4" TO EACH UR & 1/2" BCW TO EACH LAV.
6	1/2" H & CW DN
7	1" H & CW DN TO HEADER, PROVIDE 1/2" H & CW TO EACH LAV & KS.
8	1" H & CW DN TO HEADER, PROVIDE 1/2" H & CW TO EACH LAV.
9	1-1/2" CW & 3/4" HW DN TO HEADER, PROVIDE 1" CW TO EACH VC, 1/2" BCW TO LAV(KS).
10	PROVIDE 2" WASTE AND 1/2" CW FOR DRINKING FOUNTAINS.
11	1/2" CW, PROVIDE 1/2" SHUT-OFF VALVE & WATTS MSD-3 BACKFLOW PREVENTER, ASSE 1022
12	2-1/2" CW DN TO HEADER, CONNECT 1" CW TO EACH VC.
13	1-1/2" CW DN TO HEADER, PROVIDE 1" CW TO VC AND 1/2" TO LAV.
14	PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANIFOLD, ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. SUB COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.

GENERAL NOTE:
CENTER OF FLOOR DRAIN SHOULD BE LOCATED 6" INSIDE TOILET PARTITION PILASTER IN SMALL RESTROOMS.



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Drawn By CF

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PROJECT WHALE

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DATE	PROJECT NO
--	2024-013

SHEET TITLE

ENLARGED
RESTROOM
PLANS -
SANITARY

SHEET NUMBER

P-407A

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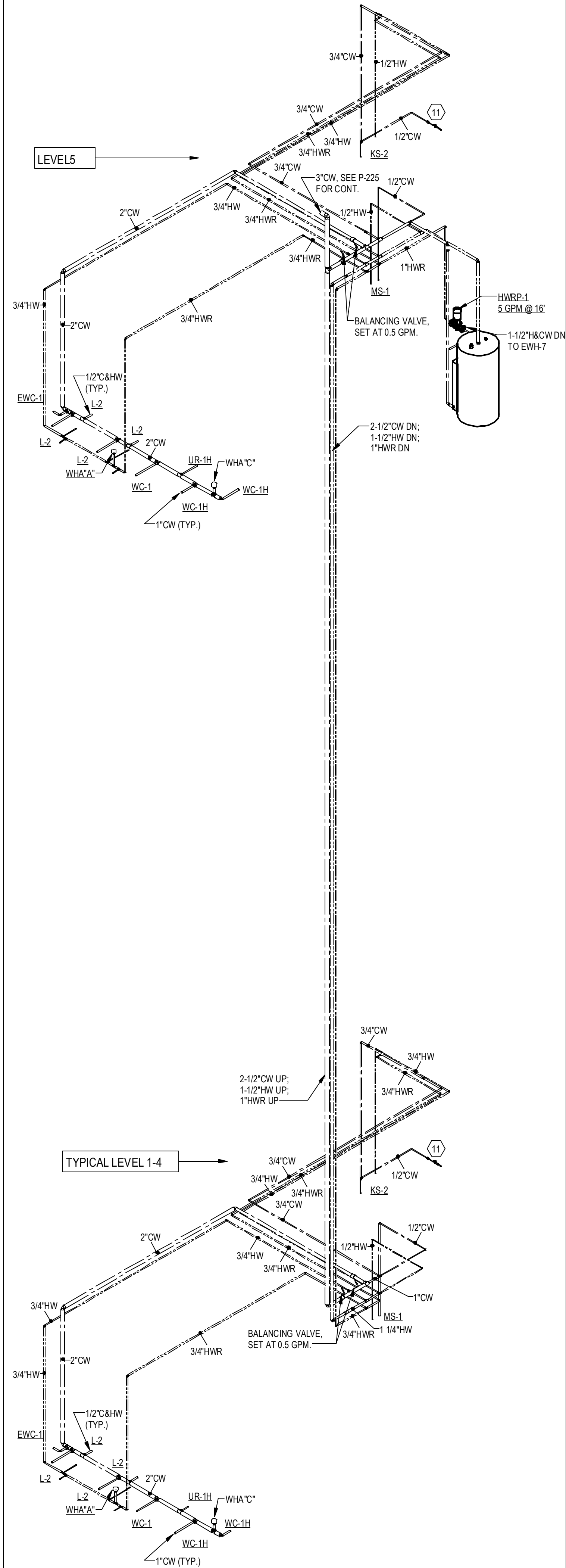
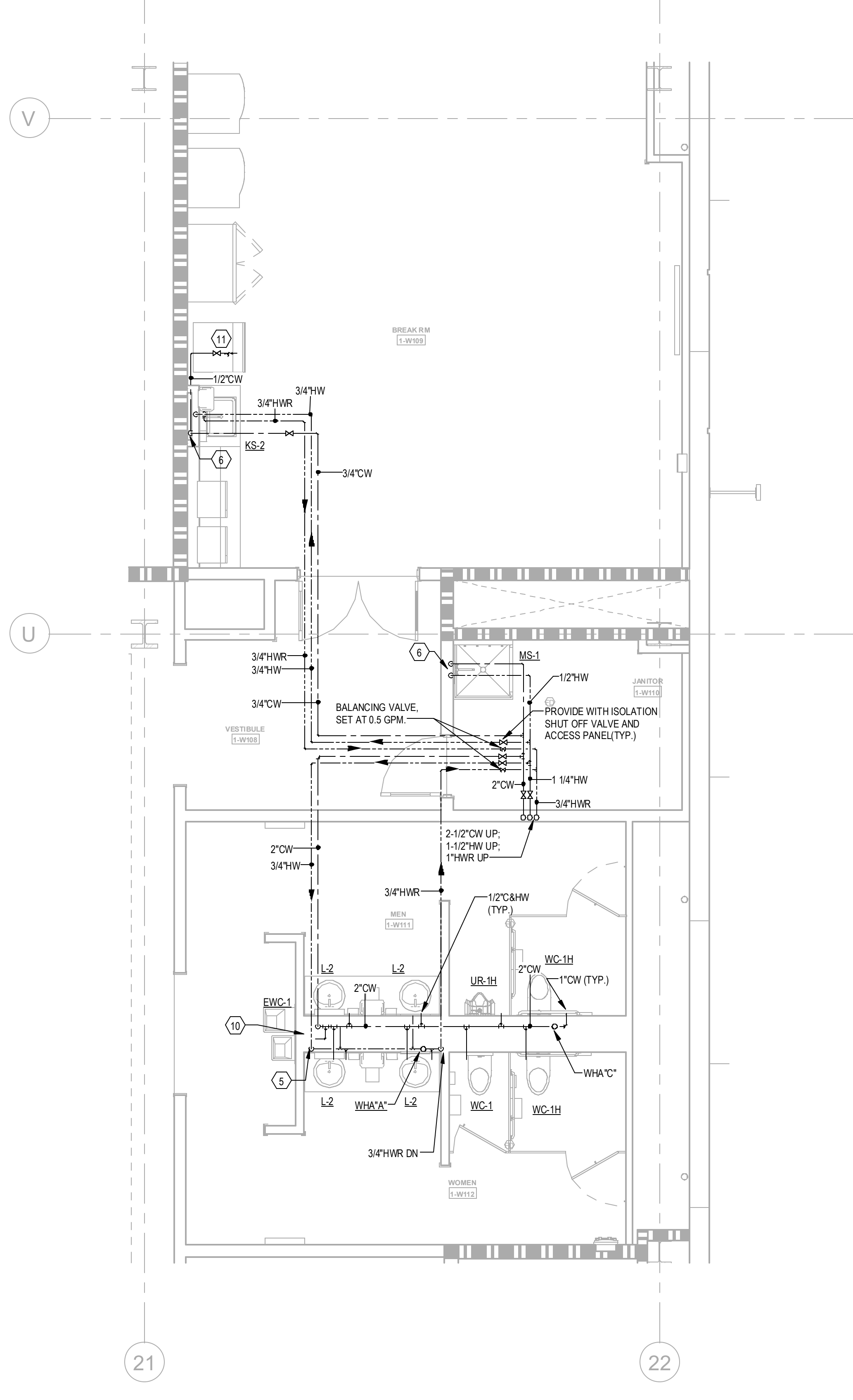
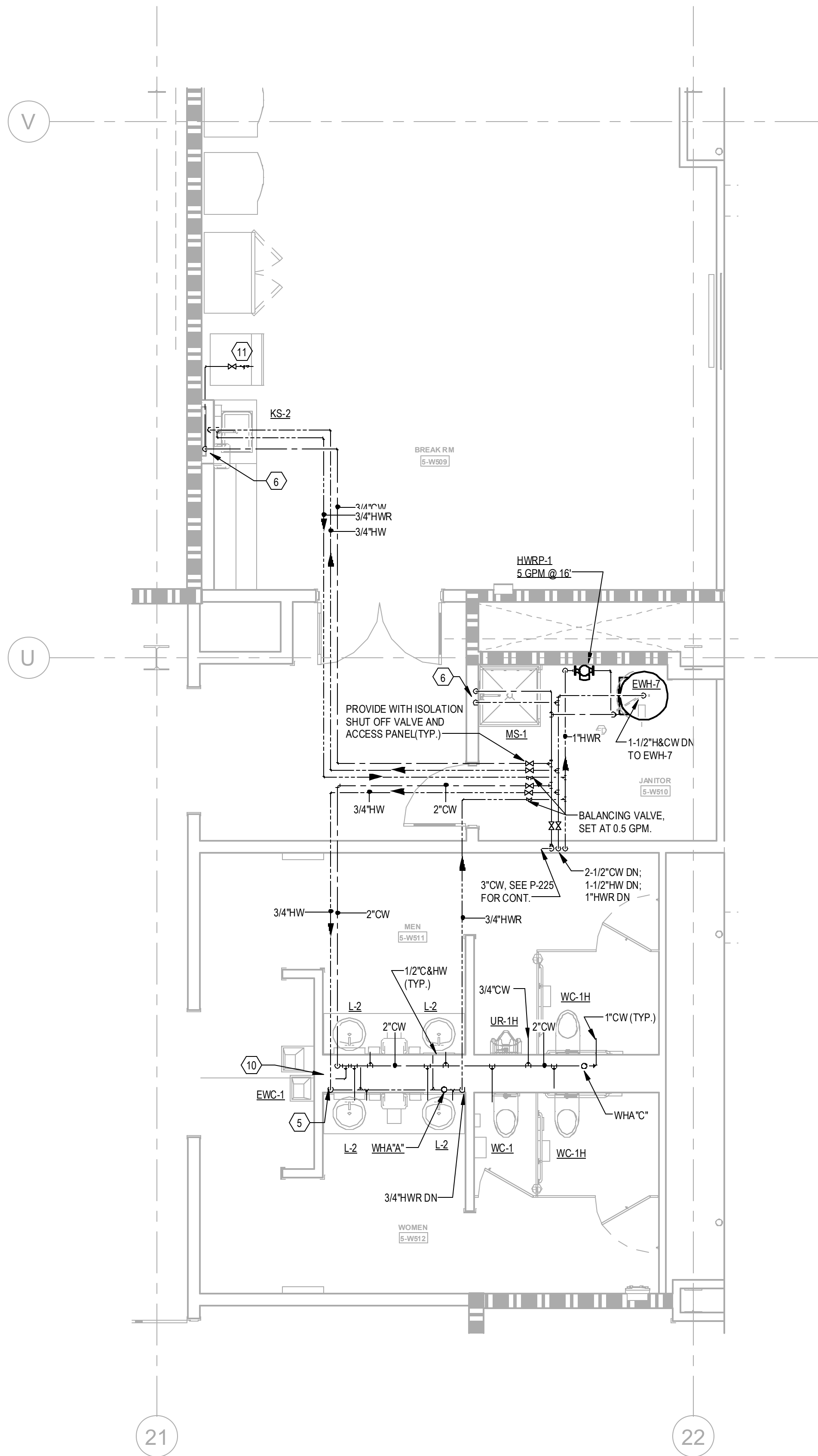
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2
1/4" = 1'-0"

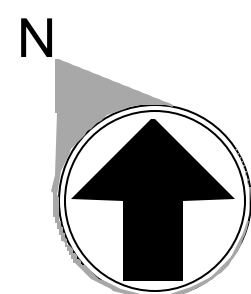
ENLARGED RESTROOMS - LEVEL 5 - WATER

1
1/4" = 1'-0"

ENLARGED RESTROOMS - LEVEL 1-4 - WATER



KEYNOTES	
1	2" WD & 2" V UP
2	2" V UP
3	1/2" CW TO EWH & 1/2" CW TO LAV(S). PROVIDE 1/2" HW FOR EWH TO LAV(S).
4	2" CW DN TO HEADER, PROVIDE 1" CW TO EACH VC AND 3/4" CW TOUR
5	2" CW DN TO HEADER, 3/4" HW DN TO HEADER, PROVIDE 1" CW TO EACH VC, 3/4" TO EACH UR & 1/2" HCW TO EACH LAV.
6	1/2" H & CW DN
7	1" H & CW DN TO HEADER, PROVIDE 1/2" H & CW TO EACH LAV & KS.
8	1" H & CW DN TO HEADER, PROVIDE 1/2" H & CW TO EACH LAV.
9	1-1/2" CW & 3/4" HW DN TO HEADER, PROVIDE 1" CW TO EACH VC, 1/2" HCW TO LAV(S).
10	PROVIDE 2" WASTE AND 1/2" CW FOR DRINKING FOUNTAINS.
11	1/2" CW, PROVIDE 1/2" SHUT-OFF VALVE & WATTS MSD-3 BACKFLOW PREVENTER, ASSE 1022
12	2-1/2" CW DN TO HEADER, CONNECT 1" CW TO EACH VC.
13	1-1/2" CW DN TO HEADER, PROVIDE 1" CW TO VC AND 1/2" TO LAV.
14	PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER MANFOLD, ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. SUB COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STOP SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.



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DATE	PROJECT NO
--	2024-013

SHEET TITLE
ENLARGED RESTROOM PLANS - WATER

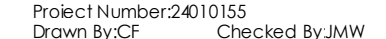
SHEET NUMBER

P-407B

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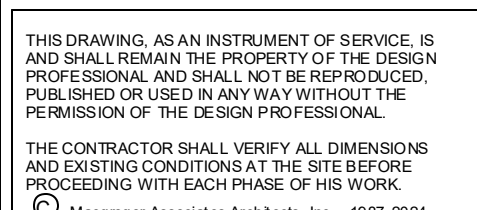


KEYNOTES	
1	2" W/IN & 2" V UP
2	2" V UP
3	1/2" CW TO EACH 1/2" W/IN TO LAUNDRY. PROVIDE 1/2" HW/FW FOR CWH TO LAUNDRY.
4	1/2" CW/IN TO HEADR. PROVIDE 1" CW TO EACH W/IN & 2" W/IN CW TOUR.
5	1/2" CW/IN TO HEADR. 3/4" HW/IN TO HEADR. PROVIDE 1" C/W TO EACH W/IN. 3/4" TO EACH R/L & 1/2" HW/CW TO EACH L/W.
6	1/2" H&G CW/IN.
7	1" H&G CW/IN TO HEADR. PROVIDE 1/2" H&G & CW TO EACH L/W & KS.
8	1" H&G CW/IN TO HEADR. PROVIDE 1/2" H&G C/W TO EACH L/W.
9	1" H&G CW/IN TO HEADR. PROVIDE 1" C/W TO EACH W/IN & 1/2" HW/CW TO LAUNDRY.
10	PROVIDE 2" WASTE AND 1/2" CW/FW FOR DRINKING FOUNTAINS.
11	1/2" CW/IN 1/2" SHUT-OFF VALVE & WATTS ASD-3 BACKFLOW PREVENTER. ASS. 1022.
12	2-1/2" CW/IN TO HEADR. CONNECT 1" C/W TO EACH W/IN.
13	1-1/2" CW/IN TO HEADR. PROVIDE 1" C/W TO W/IN & 2" TOL/W. PROVIDE 1/2" WATER TAP WITH BALL VALVE AND COPPER 1/2" SUEW. ROUTE 1/2" COPPER PIPING FROM TAP TO EACH OWNER PROVIDED WATER COOLER. STUB COPPER PIPING 24" ABOVE FLOOR AT WATER COOLER LOCATION. PROVIDE 1/2" X 3/8" ANGLE STEEL SUPPLY VALVE. ALL LOCATIONS TO BE REVIEWED BY TENANT PRIOR TO INSTALLATION.



PROJECT INFORMATION

WILMINGTON, NC

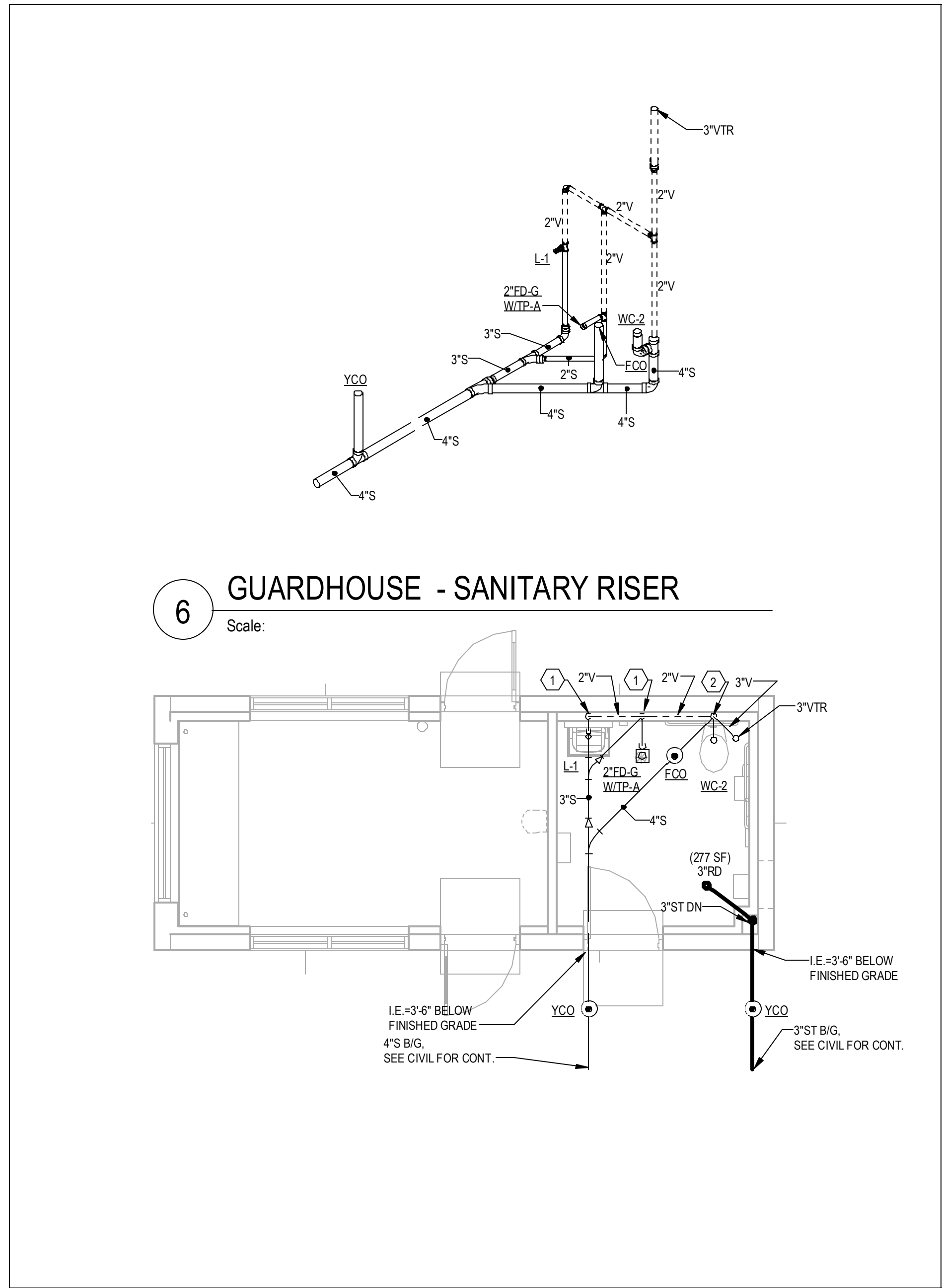


DATE	PROJECT NO
--	2024-013

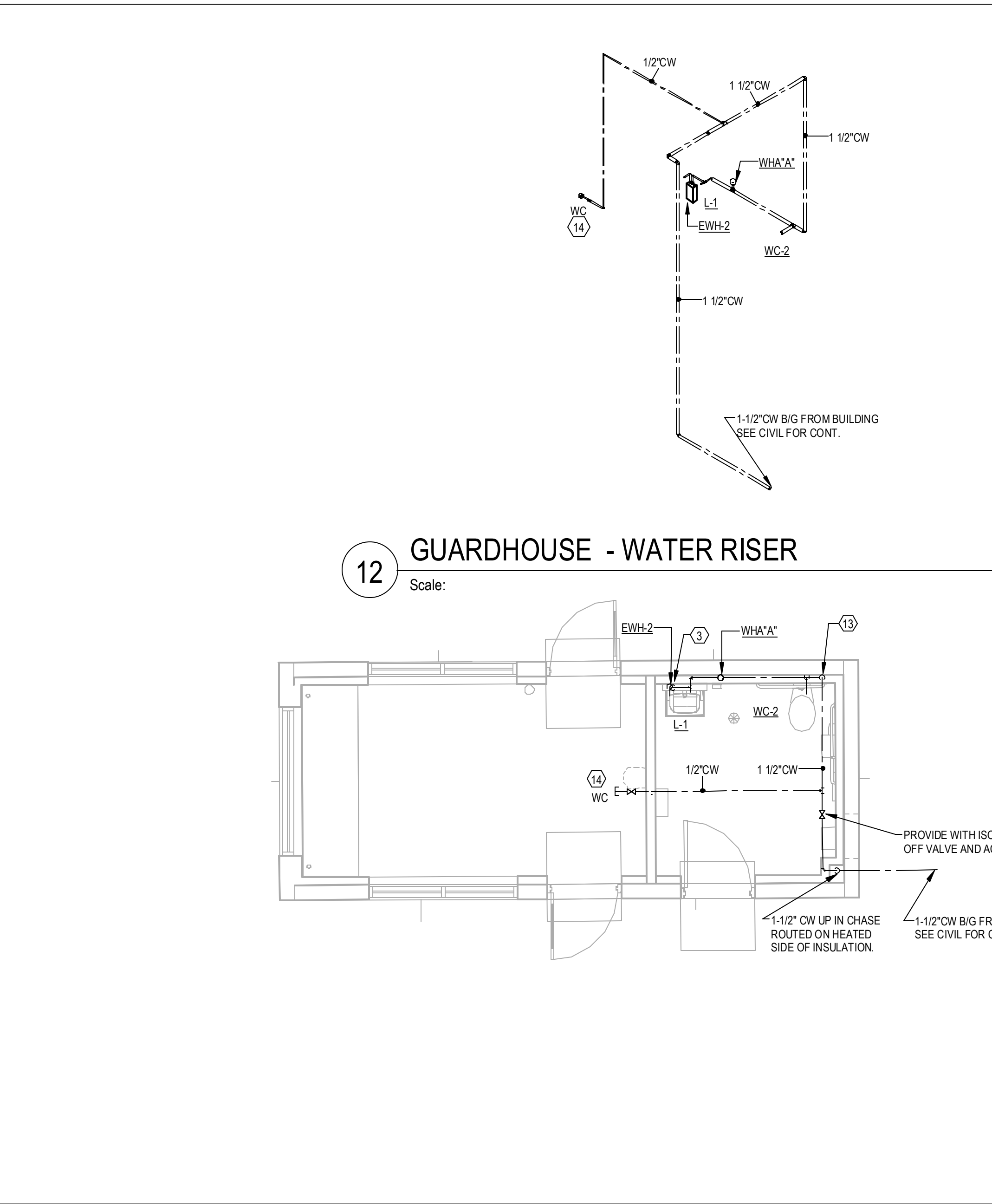
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P-408

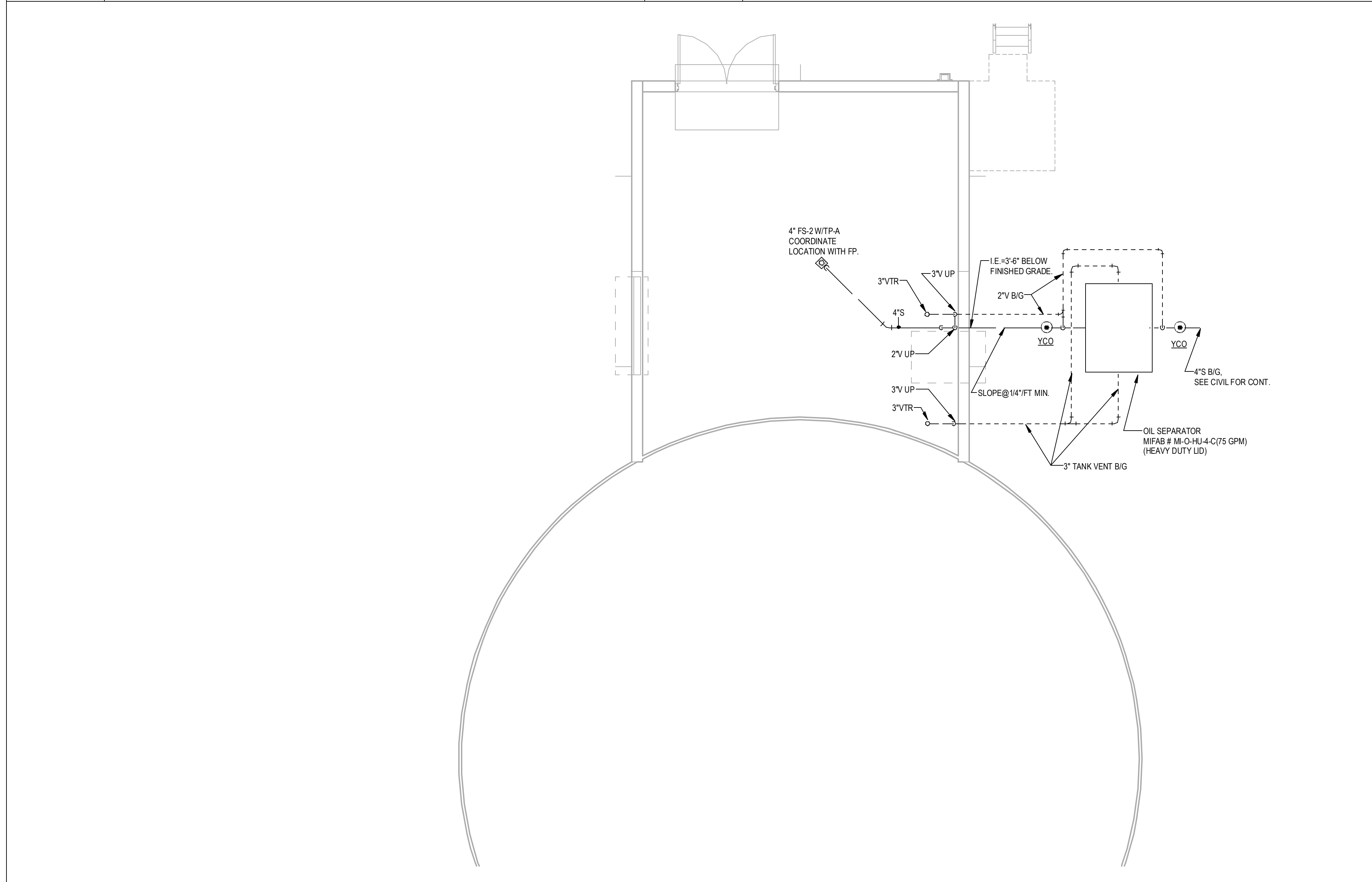
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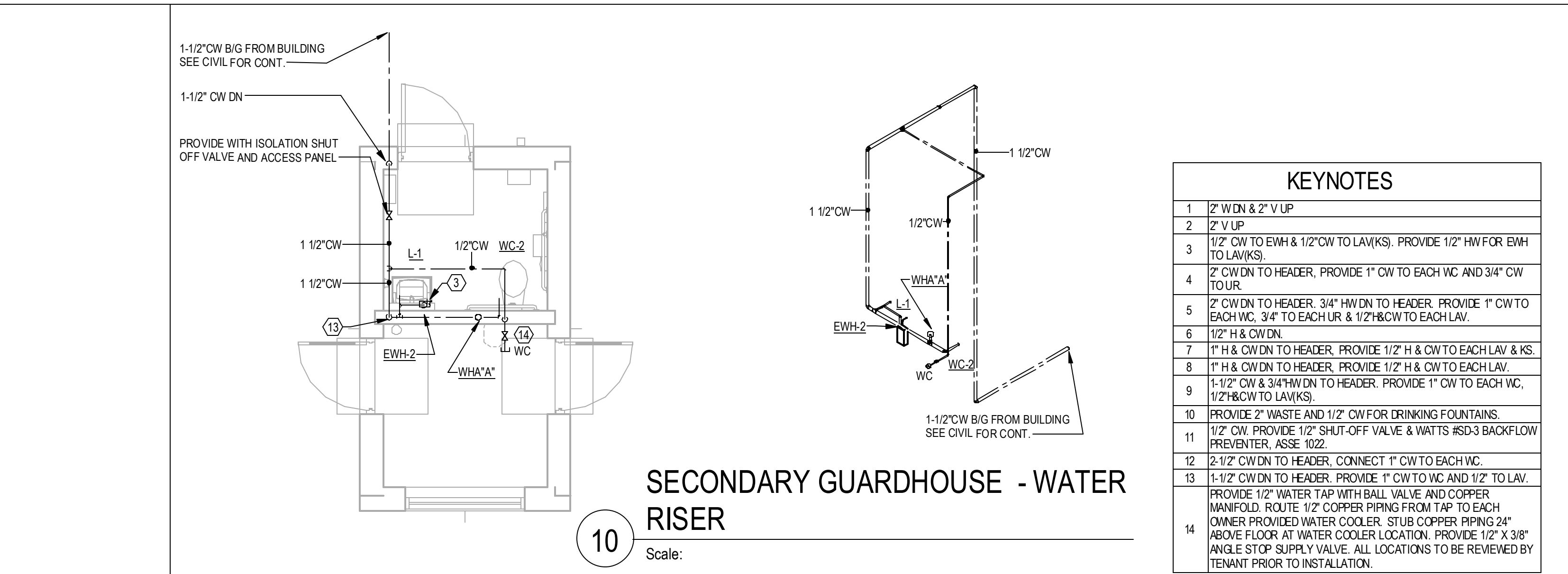
3 ENLARGED GUARDHOUSE - SANITARY
1/4" = 1'-0"



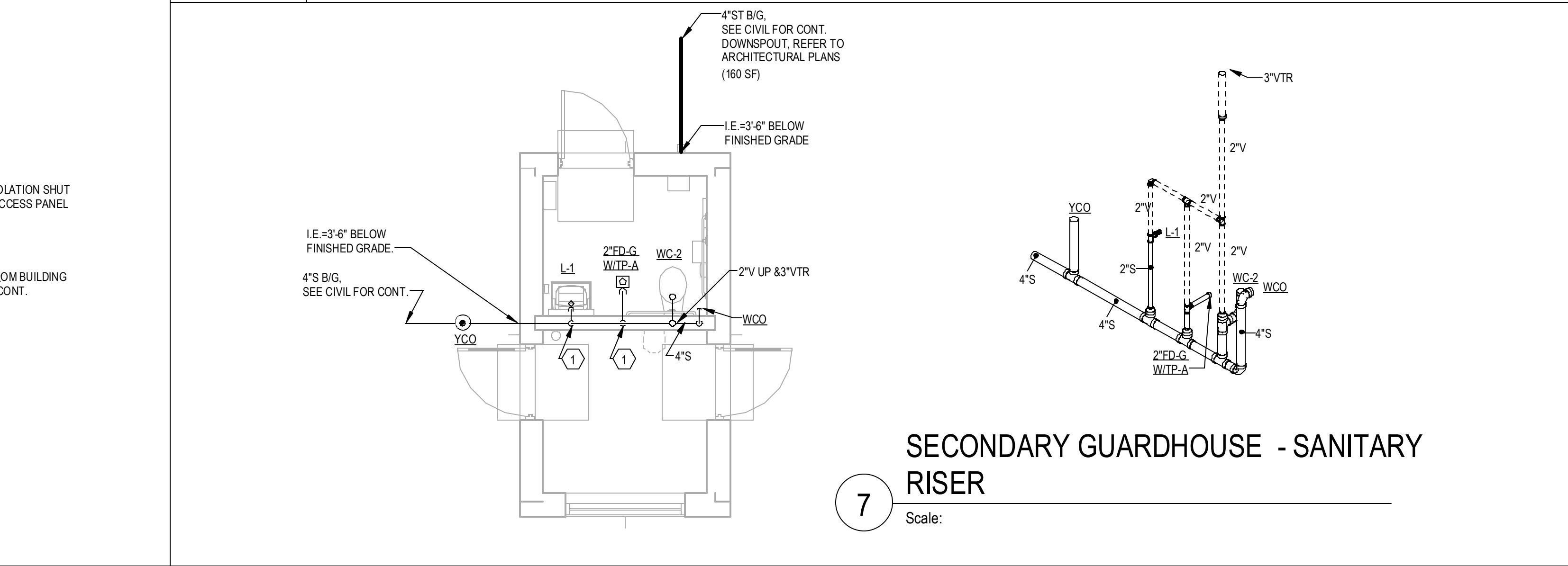
2 ENLARGED GUARDHOUSE - WATER
1/4" = 1'-0"



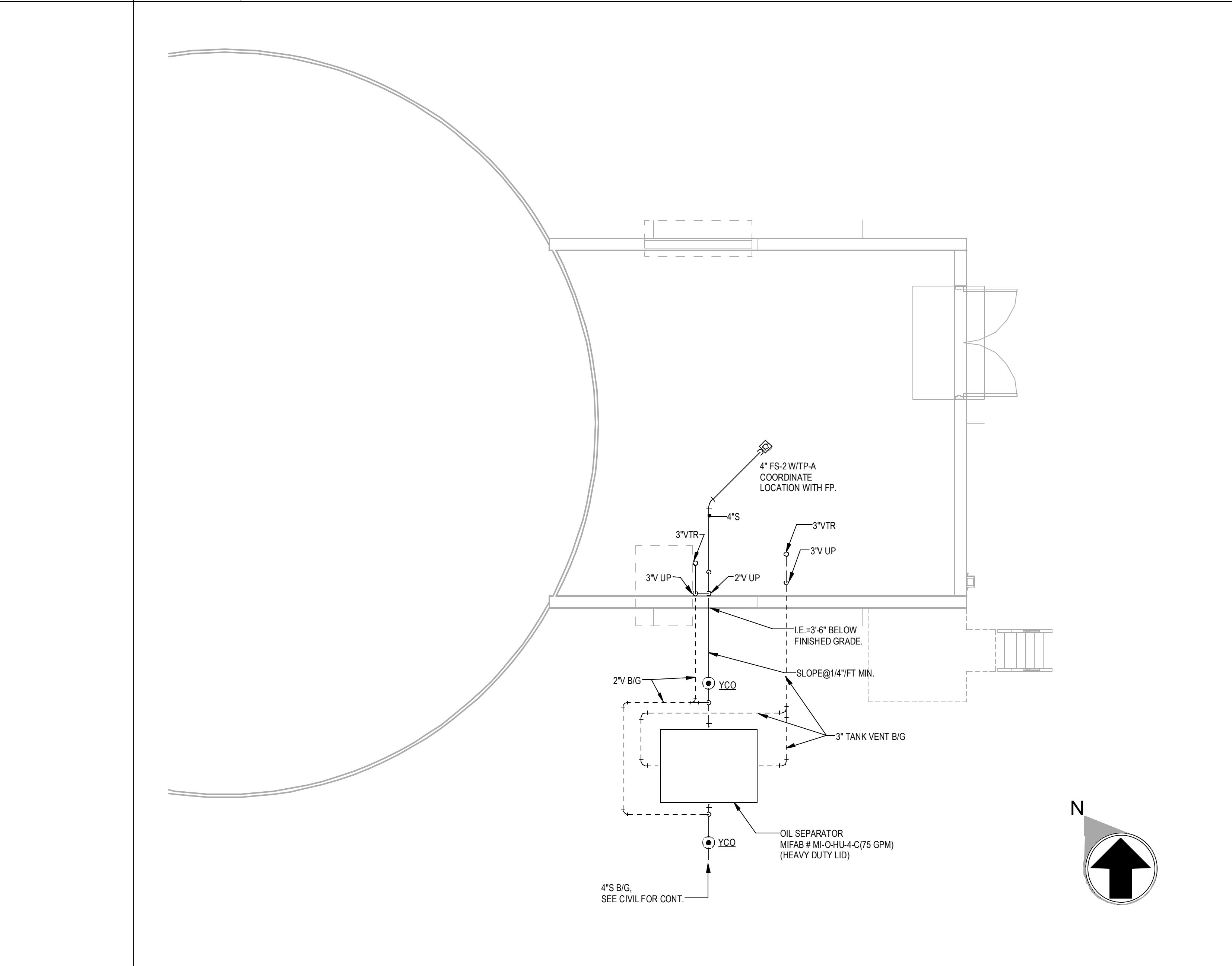
5 ENLARGED FIRE PUMPHOUSE - PLUMBING
1/4" = 1'-0"



8 ENLARGED SECONDARY GUARDHOUSE - WATER
1/4" = 1'-0"



1 ENLARGED SECONDARY GUARDHOUSE - SANITARY
1/4" = 1'-0"



4 ENLARGED FIRE PUMP HOUSE - PLUMBING
1/4" = 1'-0"

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Project Number: 24010155
Drawn By: CF
Checked By: JMW

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PROJECT INFORMATION

PROJECT WHALE

WILMINGTON, NC

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DATE

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PROJECT NO

2024-013

SHEET TITLE

ENLARGED PLANS - PLUMBING

SHEET NUMBER

P-409

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