2. PLUMBING WORK MUST BE IN ACCORDANCE WITH THE NORTH CAROLINA BUILDING CODE AND NORTH CAROLINA PLUMBING

3. "PROVIDE" IS AN INCLUSIVE TERM USED TO DESCRIBE ASPECTS OF THE WORK THAT MUST BE ACCOMPLISHED AND IS HEREBY DEFINED TO REQUIRE TO STORE, FURNISH, INSTALL, MOUNT, CONNECT, CONTROL AND POWER EQUIPMENT INDICATED, AS WELL AS ALL APPURTENANCES REQUIRED TO MAKE SYSTEMS OPERATE AS INDICATED WITHIN THESE DRAWINGS AND SPECIFICATIONS AND TO FULFILL THE SCOPE OF WORK.

4. SLOPES AND INVERT ELEVATIONS MUST BE ESTABLISHED BEFORE ANY PIPE IS INSTALLED IN ORDER TO MAINTAIN PROPER SLOPES. ANY DISCREPANCIES MUST BE REPORTED TO OWNER'S REPRESENTATIVE. ALL PIPING MUST BE LOCATED AND DETERMINED WHEN TO BE INSTALLED TO AVOID CONFLICT WITH OTHER TRADES.

5. WHERE CONNECTING TO A UTILITY OR SERVICE, VERIFY LOCATION, SIZES, MATERIALS, FLUID BEING HANDLED, AND INVERT ELEVATIONS OF ALL EXISTING UTILITIES AND CONFIRM THAT NEW PIPES BEING ROUTED TO EXISTING UTILITIES CAN BE INSTALLED CONFORMING TO CODE AND AS SHOWN. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO PURCHASING ANY MATERIALS OR PERFORMING ANY WORK OR EXTENSION OF CONNECTION, WITH THE EXCEPTION OF EXCAVATION OR OTHER WORK TO PROVIDE ACCESS TO THE CONCEALED UTILITY.

6. WASTE PIPING MUST BE INSTALLED TO PROVIDE A MINIMUM SLOPE OF 1% (1/8" PER LINEAR FOOT). WASTE PIPING SMALLER THAN 3" MUST BE INSTALLED TO PROVIDE A MINIMUM SLOPE OF 2% (1/4" PER LINEAR FOOT).

7. KEEP ALL BURIED PIPING CLEAR OF FOOTINGS. COORDINATE WITH STRUCTURAL

8. COORDINATE LOCATION OF PIPING AND DRAINS WITH ALL MECHANICAL AND ELECTRICAL EQUIPMENT. PIPING MUST NOT BE INSTALLED ABOVE ELECTRICAL, COMMUNICATIONS, OR DATA EQUIPMENT OR PANELS. COMPLY WITH ARCHITECTURAL PLANS FOR EXACT LOCATION OF PLUMBING FIXTURES, COMPLIANCE TO ADA CLEARANCES, AND FINISHES.

9. PROVIDE EXTENSION OF EQUIPMENT DRAINS TO FLOOR DRAINS, FLOOR SINKS, AND OPEN SITE DRAINS.

10. SET TOPS OF ALL FLOOR DRAINS AND CLEANOUTS FLUSH WITH FINISHED FLOOR, UNLESS NOTED OTHERWISE.

11. PIPING MUST BE CONCEALED UNLESS OTHERWISE NOTED.

WITH QUICK CLOSING VALVES.

12. COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH THE ELECTRICAL DRAWINGS AND THE ELECTRICAL CONTRACTOR, AND FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.

13. ALL PLUMBING EQUIPMENT AND SYSTEMS MUST BE GUARANTEED FOR A MINIMUM PERIOD OF ONE YEAR AFTER OWNER'S REPRESENTATIVE'S FINAL ACCEPTANCE.

14. DO NOT SCALE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS, FIXTURE LOCATIONS, ROOM NAMES, AND NUMBERS.

15. ALL WALL CLEANOUTS MUST BE PROVIDED WITH WALL COVERS AND MOUNTED IN UNOBTRUSIVE LOCATIONS WHILE MAINTAINING ACCESSIBILITY. SET ALL FLOOR CLEANOUTS FLUSH WITH FLOOR AREAS OR FINISHED GRADE. COORDINATE FINAL WALL AND FLOOR CLEANOUT LOCATIONS WITH ARCHITECTURAL PLANS TO AVOID BEING COVERED BY FURNITURE OR OTHER APPURTENANCES.

16. WHERE POSSIBLE, INSTALL SHUT-OFF VALVES AND EQUIPMENT REQUIRING MAINTENANCE, CLEANING AND ADJUSTMENT ABOVE ACCESSIBLE CEILINGS OR IN SERVICE AREAS SUCH AS JANITOR'S CLOSETS. IN OTHER LOCATIONS, PROVIDE ACCESS PANELS IN INCONSPICUOUS LOCATIONS WITH FINISH TO MATCH ARCHITECTURAL. FIELD VERIFY FINAL LOCATIONS OF ACCESS PANELS WITH OTHER TRADES PRIOR TO INSTALLATION.

17. ALL HOSE BIBBS, WALL HYDRANTS, AND VALVES WITH THREADED HOSE CONNECTIONS MUST BE EQUIPPED WITH VACUUM

18. PROVIDE INSULATION, PIPE IDENTIFICATION, AND OTHER REQUIREMENTS AS LISTED IN PROJECT SPECIFICATIONS.

19. ALL PIPING ABOVE GRADE MUST BE SUPPORTED FROM THE BUILDING STRUCTURE AND MUST NOT REST ON CEILING TILES OR BE SUPPORTED FROM CEILING TILES.

20. WATER PIPING ROUTED ABOVE CEILINGS AND IN EXTERIOR WALLS MUST BE ROUTED ON HEATED SIDE (UNDERSIDE) OF CEILING INSULATION AND HEATED SIDE (INSIDE) OF WALL INSULATION.

21. LOCATE ALL SECTIONAL OR MAIN CONTROL VALVES WITHIN 1'-0" FROM ACCESS PANELS, CEILING TILES, OR OTHER POINT OF ACCESS.

22. PROVIDE WATER HAMMER ARRESTORS SIZED PER PLUMBING DRAINAGE INSTITUTE SPECIFICATIONS ON ALL DOMESTIC WATER LINES SERVING FLUSH VALVE FIXTURES, WASHING MACHINES SUPPLIES, PRV STATIONS, AND OTHER INSTALLATIONS

23. WHERE A PIPING SYSTEM CROSSES A BUILDING EXPANSION JOINT, PROVIDE A MANUFACTURED EXPANSION DEVICE FABRICATED EXPANSION LOOP, OR (WHERE INDICATED ON THE DRAWINGS) AN ENLARGED THROUGH-WALL SLEEVE THAT ALLOWS FOR BUILDING MOVEMENT. WHERE AN ENLARGED THROUGH-WALL SLEEVE IS PERMITTED, FILL SLEEVE OPENING AROUND THE PIPE WITH FLEXIBLE CAULK THAT WILL NOT IMPEDE PIPE MOVEMENT.

24. ALL PIPE PENETRATIONS OF FIRE AND/OR SMOKE-RATED ASSEMBLIES MUST BE FIRE-STOPPED AS REQUIRED TO RESTORE ASSEMBLY TO ORIGINAL INTEGRITY. FIRE BARRIER PRODUCTS MUST BE AS MANUFACTURED BY 3M COMPANY, CP25 CAULK, CS195 COMPOSITE PANEL, FS195 WRAP/STRIP, OR PSS 7900 SERIES SYSTEMS AS RECOMMENDED BY MANUFACTURER FOR

25. ALL VENTS THROUGH ROOF MUST BE LOCATED A MINIMUM OF 10'-0" FROM ANY OUTSIDE AIR INTAKE.

PARTICULAR APPLICATION, OR EQUIVALENT SYSTEM AS APPROVED BY LOCAL CODE OFFICIALS.

26. ALL COLD WATER, HOT WATER, AND DRAIN PIPING AT HANDICAPPED FIXTURES MUST BE INSULATED WITH HANDI-LAV GUARD MODELS 102 AND 105 (OR APPROVED EQUAL) INSULATION KITS.

27. LOCATE ALL WATER CLOSET FLUSH VALVE LEVERS ON THE APPROACH SIDE OF THE WATER CLOSET.

28. NOT ALL PLUMBING ABBREVIATIONS SHOWN WILL BE USED FOR THIS PROJECT.

PLUMBING ABBREVIATIONS: AIR ADMITTANCE VALVE AIR COMPRESSOR **ABOVE CEILING** AIR DRYER AMERICANS WITH DISABILITIES ACT ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE ARCHITECTURE, ARCHITECTURAL BACKFLOW PREVENTER B/F BELOW FLOOR B/G **BELOW GRADE** BLDG BUILDING BALL VALVE COMPRESSED AIR CD CONDENSATE DRAIN CONT. CONTINUATION CLEANOUT CV CHECK VALVE CONTR CONTRACTOR COLD WATER (POTABLE / DOMESTIC) DEG. DEGREES DF DRINKING FOUNTAIN DOMESTIC HOT WATER RETURN DOWN DOWNSPOUT NOZZLE DSN DWGS DRAWINGS (E), EXST. EXISTING ELECTRIC WATER COOLER ELECTRIC WATER HEATER EMERGENCY EYEWASH **EMERGENCY SHOWER** EMERGENCY SHOWER / EYEWASH FLOOR CLEANOUT FLOOR DRAIN GENERAL CONTRACTOR GALLONS PER FLUSH **GALLONS PER HOUR** GALLONS PER MINUTE GATE VALVE GAS WATER HEATER HOSE BIBB

EMEW EMSH FD GWH H/C HANDICAP HW HOT WATER (POTABLE / DOMESTIC) INVERT ELEVATION IBC ICE MAKER BOX

INTERNATIONAL BUILDING CODE INTERNATIONAL FUEL GAS CODE INTERNATIONAL PLUMBING CODE INDIRECT WASTE KILOWATT LAUNDRY LIQUID PETROLEUM LAVATORY MANUFACTURER MS MOP SINK NON-FREEZE ROOF HYDRANT

NON-FREEZE WALL HYDRANT NATURAL GAS NOT IN CONTRACT OVERFLOW ROOF DRAIN OVERFLOW STORM DRAINAGE PLUMBING PUMPED DISHARGE PLUMBING DRAINAGE INSTITUTE PRESSURE REDUCING / REGULATING VALVE POUNDS PER SQUARE INCH **ROOF DRAIN** RAIN LEADER REDUCED PRESSURE ZONE

SAN, S SANITARY PIPING SANS SANITARY SEWER SHOWER SK SHUT-OFF VALVE STORM DRAINAGE STRAINER STAINLESS STEEL TD TRENCH DRAIN TMV THERMOSTATIC MIXING VALVE TEMPERATURE AND PRESSURE RELIEF VALVE TRAP PRIMER TYP TYPICAL UR URINAL

UNDERGROUND UNDERGROUND SANITARY **VENT PIPING VENT THROUGH ROOF** WASTE PIPING **CLOTHES WASHER OUTLET BOX** WATER CLOSET WALL CLEANOUT WATER HEATER WATER HAMMER ARRESTOR

WITHOUT

YARD CLEANOUT

W/O

PLUMBING LEGEND:

→ DIRECTION OF FLOW

PIPE TURNED DOWN PIPE TURNED UP RISE OR DROP **BRANCH BOTTOM CONNECTION** BRANCH TOP CONNECTION TEE OUTLET UP TEE OUTLET DOWN CAP ON END OF PIPE CONTINUATION OF PIPE PIPING BELOW FLOOR OR GRADE, SINGLE —— —— PIPING BELOW FLOOR OR GRADE, DOUBLE SANITARY WASTE PIPING - ABOVE FLOOR OR GRADE, SINGLE LINE SANITARY WASTE PIPING - ABOVE FLOOR OR GRADE, DOUBLE LINE — — — — VENT PIPING, SINGLE LINE VENT PIPING. DOUBLE LINE POTABLE / DOMESTIC COLD WATER PIPING. SINGLE LINE POTABLE / DOMESTIC COLD WATER PIPING, DOUBLE LINE POTABLE / DOMESTIC HOT WATER SUPPLY PIPING, SINGLE LINE —— — — POTABLE / DOMESTIC HOT WATER SUPPLY ○ PIPING, DOUBLE LINE POTABLE / DOMESTIC HOT WATER RETURN

THERMOMETER

PIPING, DOUBLE LINE

TEMPERATURE & PRESSURE RELIEF VALVE FLOW MEASURING / BALANCING / SHUT-OFF VALVE

PIPING, SINGLE LINE

 \sim - - \sim POTABLE / DOMESTIC HOT WATER RETURN

BALL VALVE CHECK VALVE —————— GATE VALVE STRAINER

HOSE BIBB

PLAN | ELEV

FCOT FLOOR CLEANOUT

TP____ TRAP PRIMER

T WCO WCO WALL CLEANOUT SANITARY (S) /

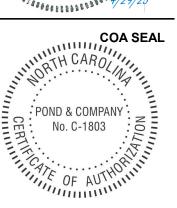
WATER HAMMER ARRESTOR DOMESTIC WATER (W) RISER DIAGRAM RISER DIAGRAM NUMBER ----- REFER TO

DETAIL NUMBER REF: A1/ M-501

SHEET NUMBER OF DETAIL - KEYNOTE NUMBER; REFER TO KEYNOTE LEGEND ON SHEET

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CLIENT INFORMATION SEEFRIED INDUSTRIAL **PROPERTIES**

PROJECT NAME OFFICE/ WAREHOUSE **DEVELOPMEN**

> DRIVE WILMINGTON, **NORTH CAROLINA** 28435

> > DRAWING ISSUE

DESIGNED BY: DRAWN BY: CHECKED BY: SUBMITTED BY: DATE: PROJECT #: 1240989 SHEET TITLE

PLUMBING GENERAL NOTES ABBREVIATIONS. AND LEGENDS

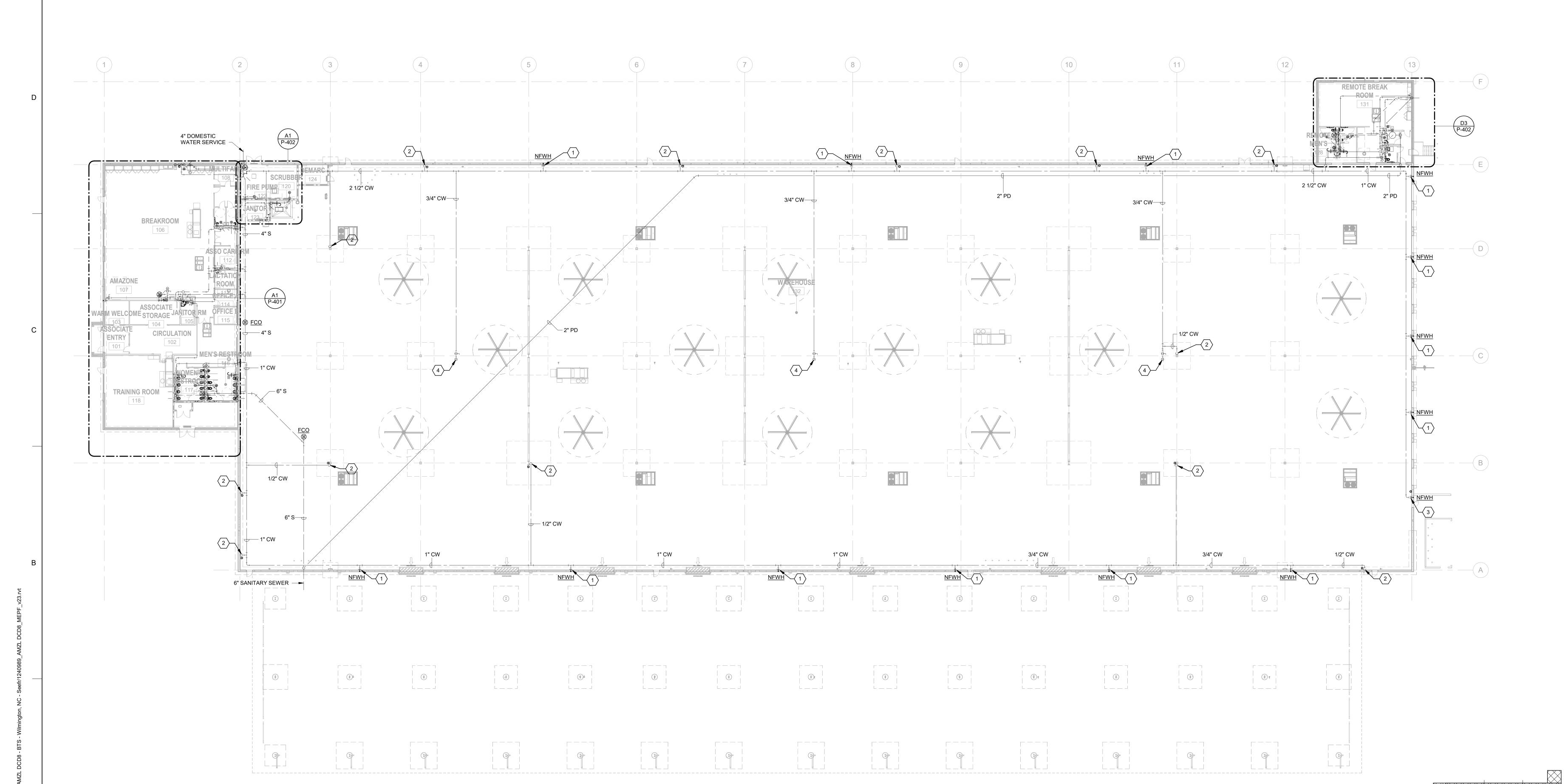
P-001

SHEET NOTES

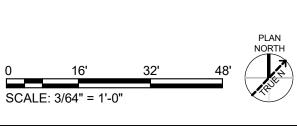
1. REFER TO P-001 FOR PLUMBING GENERAL NOTES, ABBREVIATIONS AND LEGENDS.

#> KEYNOTES

- 1. BALL VALVE IN CW DROP AT 5'-0" AFF.
- 2. 1/2" CW DN ALONG COLUMN OR WALL TO OWNER-FURNISHED WATER COOLER. PROVIDE BALL VALVE AT 5'-0" AFF AND 3/8" QUICK DISCONNECT.
- 3. 3/4" CW DN ALONG WALL TO NFWH. PROVIDE TEE AT 5'-0" AFF AND ROUTE 1/2" CW TO OWNER-FURNISHED WATER COOLER WITH 3/8" QUICK DISCONNECT. PROVIDE BALL VALVES ON EACH BRANCH TO FIXTURES.
- 4. 3/4" CW UP TO NFRH ON ROOF.





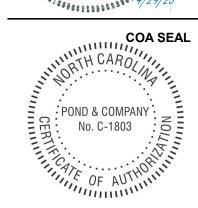


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PROJECT NAME

OFFICE/ WAREHOUSE DEVELOPMENT

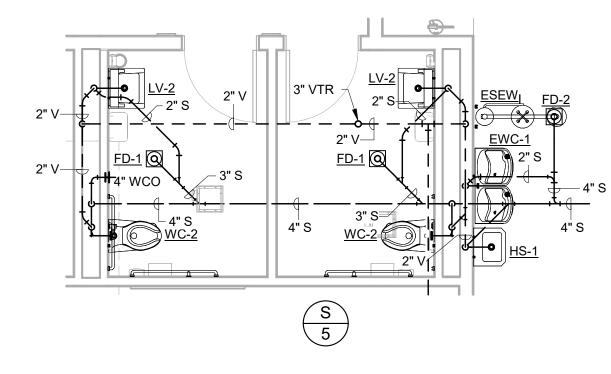
34 CORPORATE DRIVE WILMINGTON, NORTH CAROLINA

BTS - PLUMBING FLOOR PLAN -OVERALL

P-101

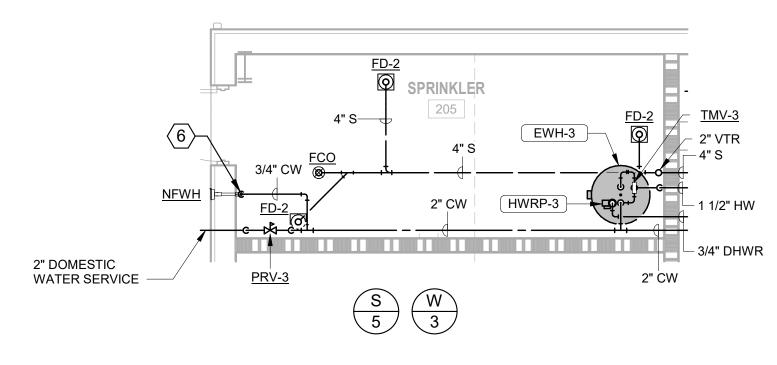
FSC RESTROOM SUPPLY PLAN

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

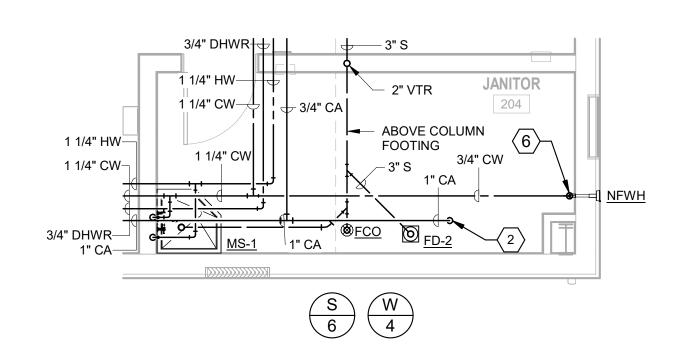


E2 FSC RESTROOM SANITARY PLAN

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

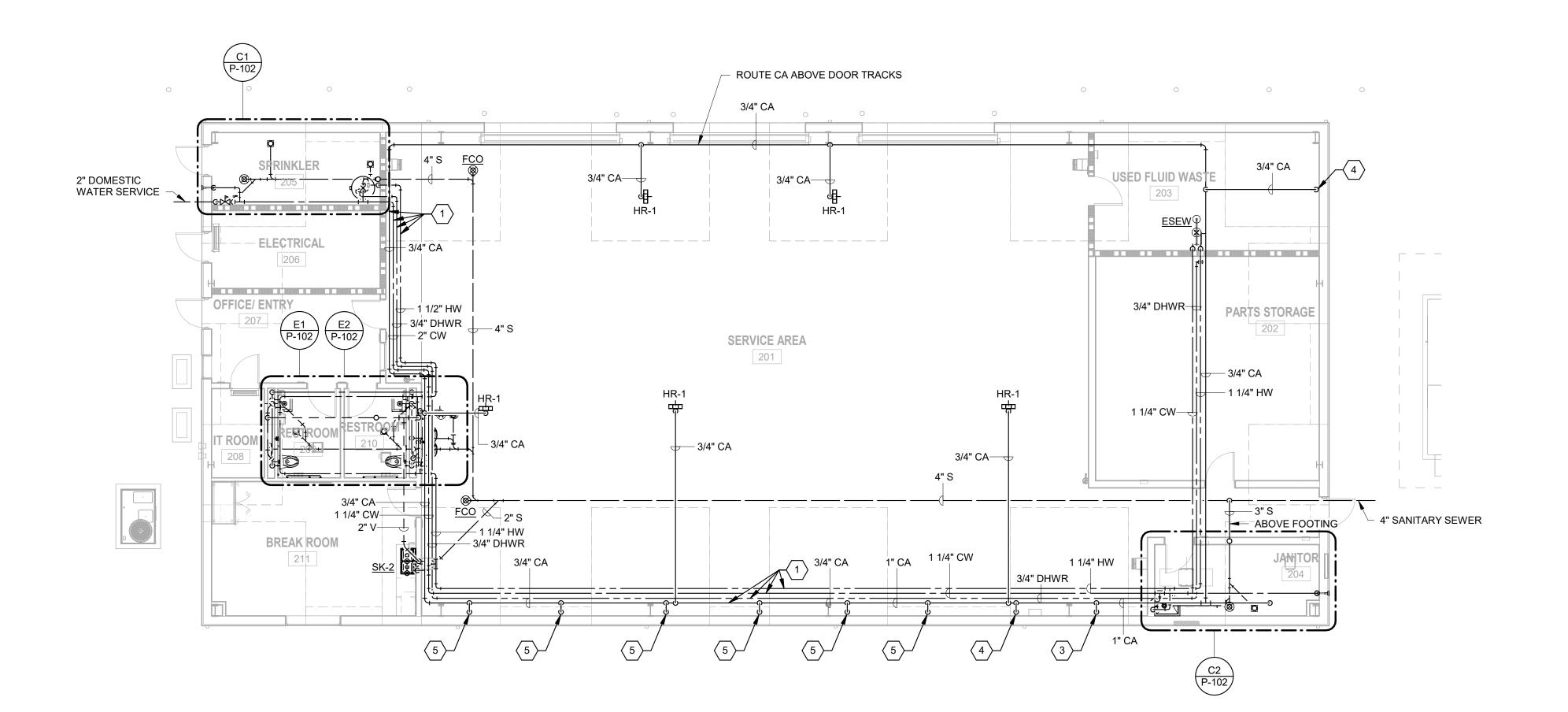


C1 SPRINKLER 205 PLUMBING PLAN SCALE: 1/4" = 1'-0"



C2 JANITOR 204 PLUMBING PLAN

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



FSC - PLUMBING FLOOR PLAN - OVERALL

SHEET NOTES

#> KEYNOTES

INSTALLATION.

INSTALLATION.

INSTALLATION.

INSTALLATION.

6. BALL VALVE IN CW DROP AT 5'-0" AFF.

 REFER TO P-001 FOR PLUMBING GENERAL NOTES, ABBREVIATIONS AND LEGENDS.

1. ROUTE PIPING ALONG WALL AT 12 TO 13 FEET ABOVE FLOOR

2. 1" CA DN TO OWNER FURNISHED AIR COMPRESSOR AND AIR

DRYER. COORDINATE WITH EQUIPMENT PROVIDER PRIOR TO

3. 1/2" CA DN TO OWNER FURNISHED EQUIPMENT WITH BV AT 6'-0" AFF. COORDINATE WITH EQUIPMENT PROVIDER PRIOR TO

4. 3/4" CA DN TO OWNER FURNISHED EQUIPMENT WITH BV AT 6'-0"

AFF. COORDINATE WITH EQUIPMENT PROVIDER PRIOR TO

5. 1" CA DN TO OWNER FURNISHED EQUIPMENT WITH BV AT 6'-0" AFF. COORDINATE WITH EQUIPMENT PROVIDER PRIOR TO

WITH STAINLESS STEEL WALL SUPPORT BRACKETS.

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PROJECT NAME

OFFICE/ WAREHOUSE DEVELOPMENT

34 CORPORATE DRIVE WILMINGTON, NORTH CAROLINA 28435

DRAWING ISSUE

DCD8_BTS_& 100_REV0_05012025 DESCRIPTION

DESIGNED BY: JAA
DRAWN BY: JAA
CHECKED BY: WWC
SUBMITTED BY: DP

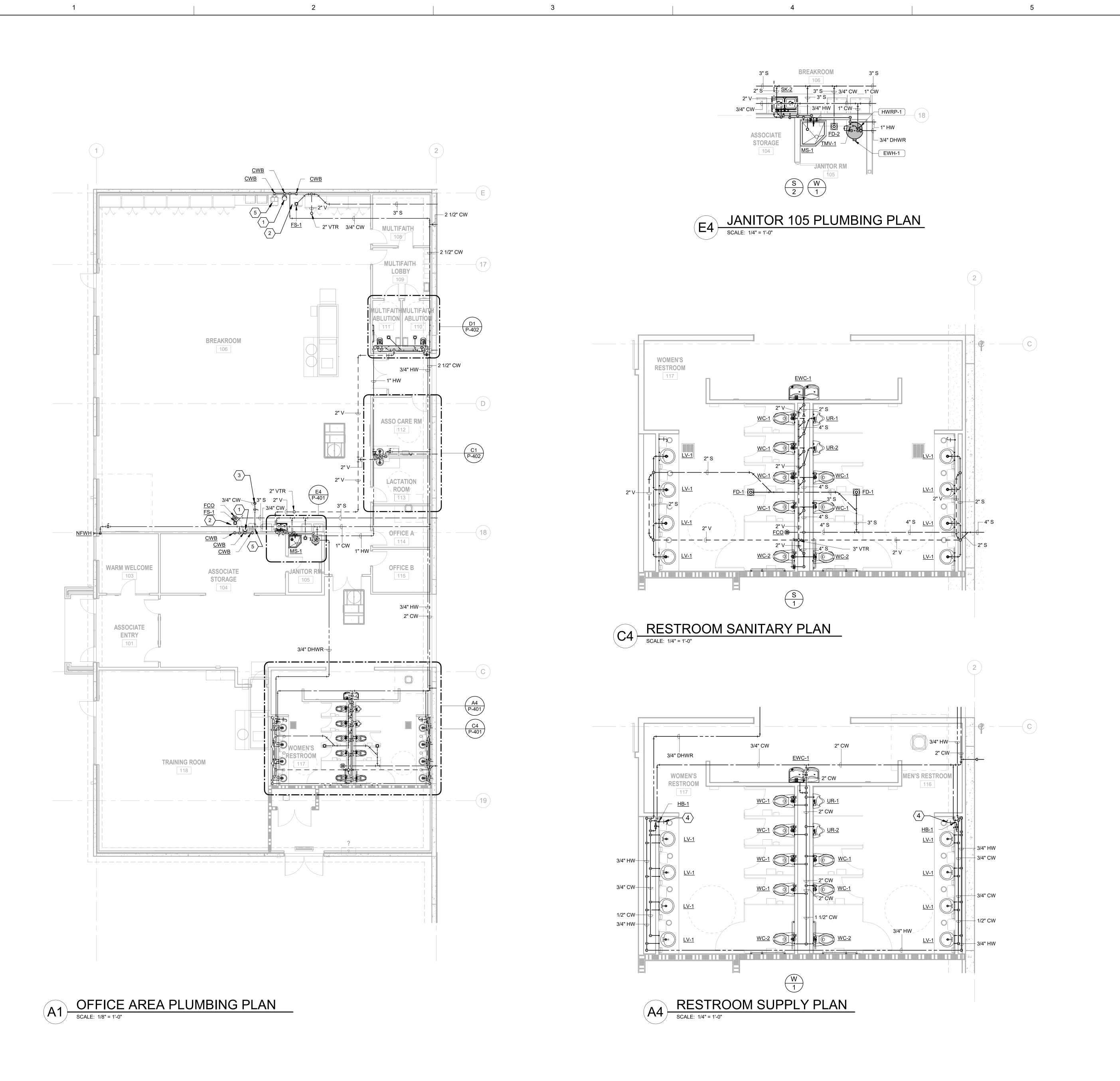
CHECKED BY: WWC
SUBMITTED BY: DP
DATE: 05/01/2025
PROJECT #: 1240989

SHEET TITLE

FSC - PLUMBING FLOOR PLAN -OVERALL

SHEET NUMBE

P-102



SHEET NOTES

KEYNOTES

FS-1. SEE DETAIL D3/P-501.

CW CONNECTION FROM CWB.

3. 3/4" CW UP TO NFRH ON ROOF.

 REFER TO P-001 FOR PLUMBING GENERAL NOTES, ABBREVIATIONS AND LEGENDS.

1. WATER COOLER FURNISHED BY OWNER. PROVIDE CW

CONNECTION FROM CWB WITH 3/8" QUICK DISCONNECT.

2. COMBINATION ICE MACHINE / WATER DISPENSER FURNISHED BY

4. HB-1 MOUNTED ON WALL BELOW COUNTER. PROVIDE ACCESS

5. COFFEE VENDING MACHINE FURNISHED BY OWNER. PROVIDE

PANEL BELOW COUNTER FOR IN-WALL BALL VALVE.

OWNER. PROVIDE CW CONNECTION FROM CWB. PIPE DRAIN TO

EOR/AOR SEAL OFESSION

SEAL

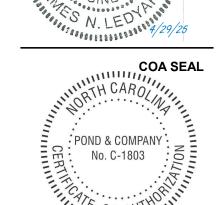
OSSEAL

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PROJECT NAME

OFFICE/ WAREHOUSE DEVELOPMENT

34 CORPORATE DRIVE WILMINGTON, NORTH CAROLINA 28435

DRAWING ISSUE

DCD8_BTS & D100_REV0_05012025 DESCRIPTION

GNED BY: JAA
VN BY: JAA
CKED BY: WWC
MITTED BY: DP
:: 05/01/2025

SHEET TITLE
ENLARGED
PLUMBING PLANS

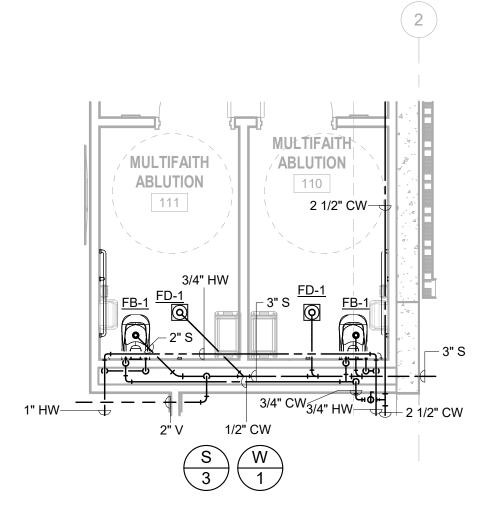
PROJECT #:

P-401

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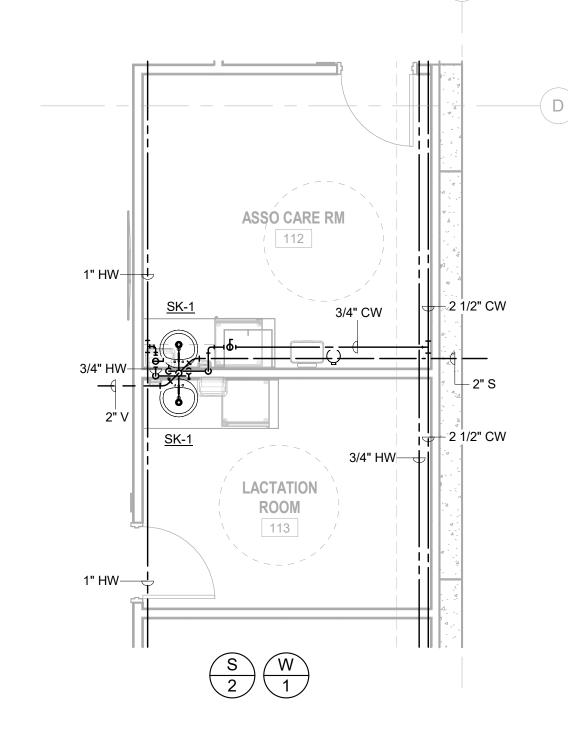
ISSUED FOR PERMIT

2' 4' 8' 16' SCALE: 1/8" = 1'-0"



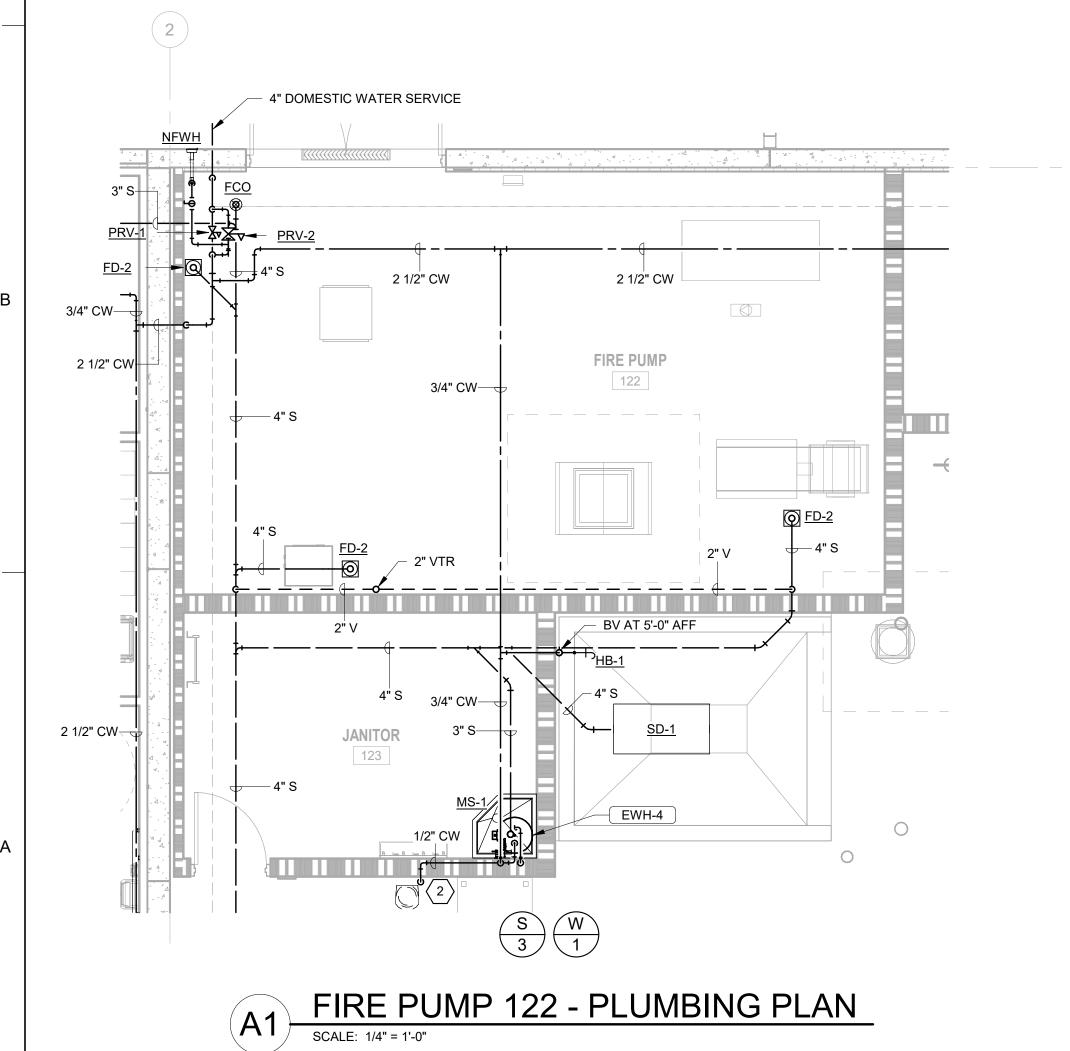
D1 ABLUTION ROOMS PLUMBING PLAN

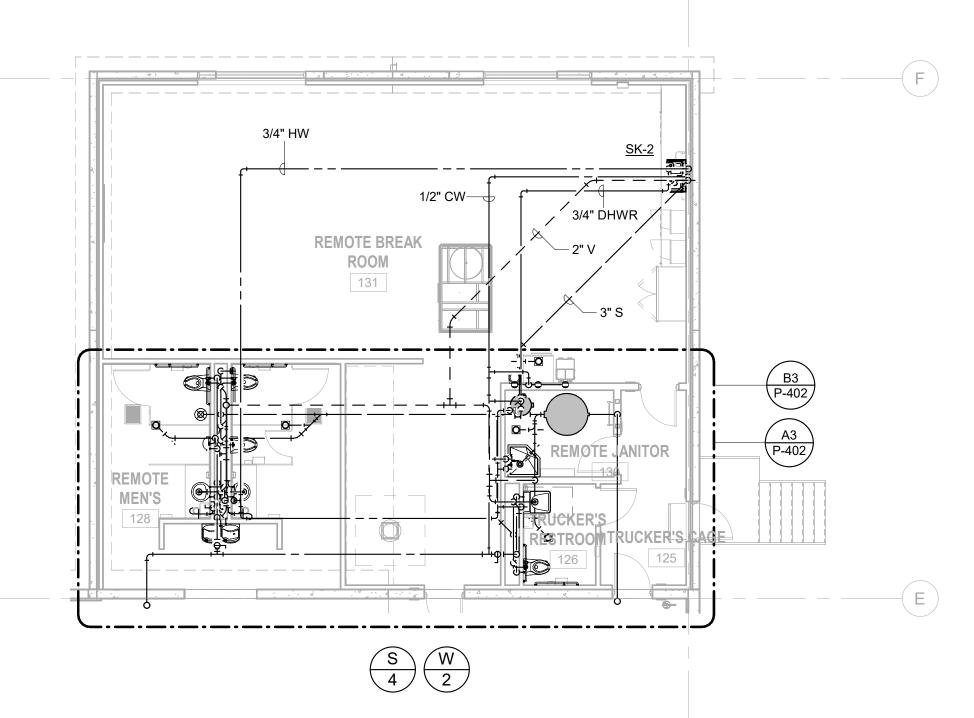
SCALE: 1/4" = 1'-0"



C1 LACTATION ROOM PLUMBING PLAN

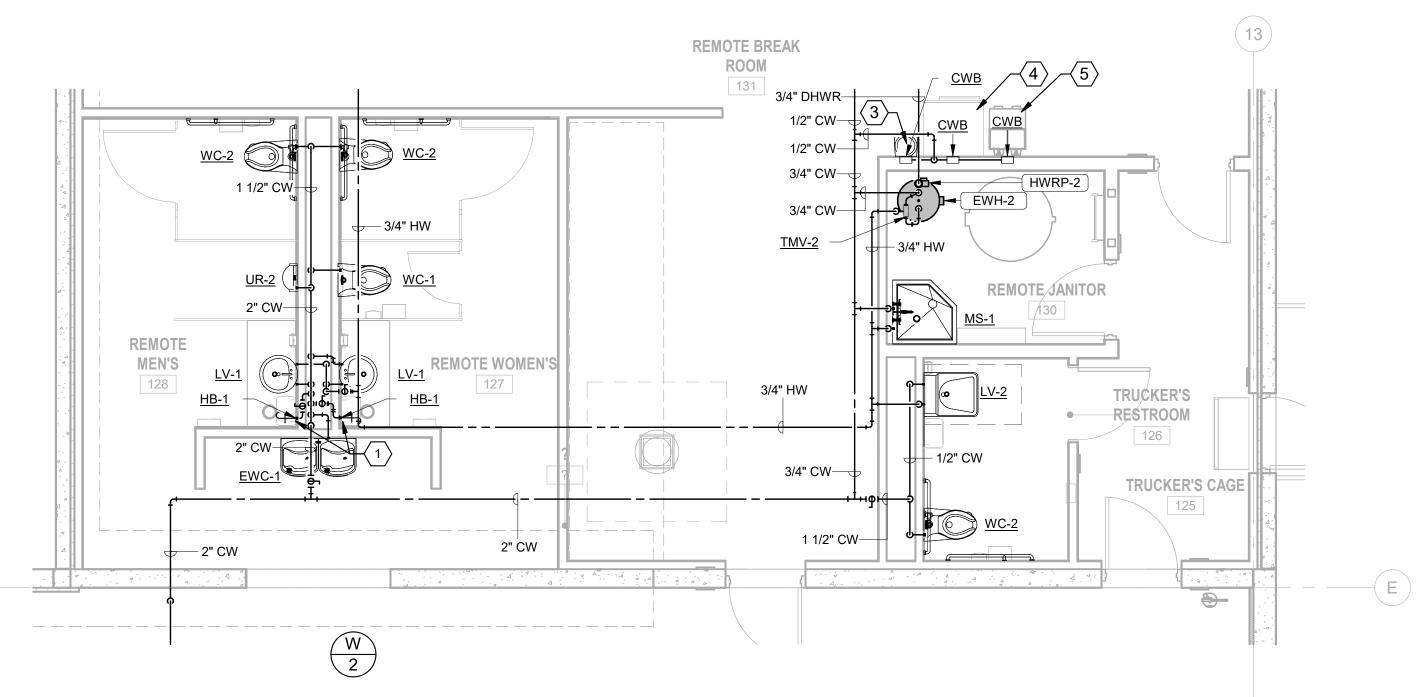
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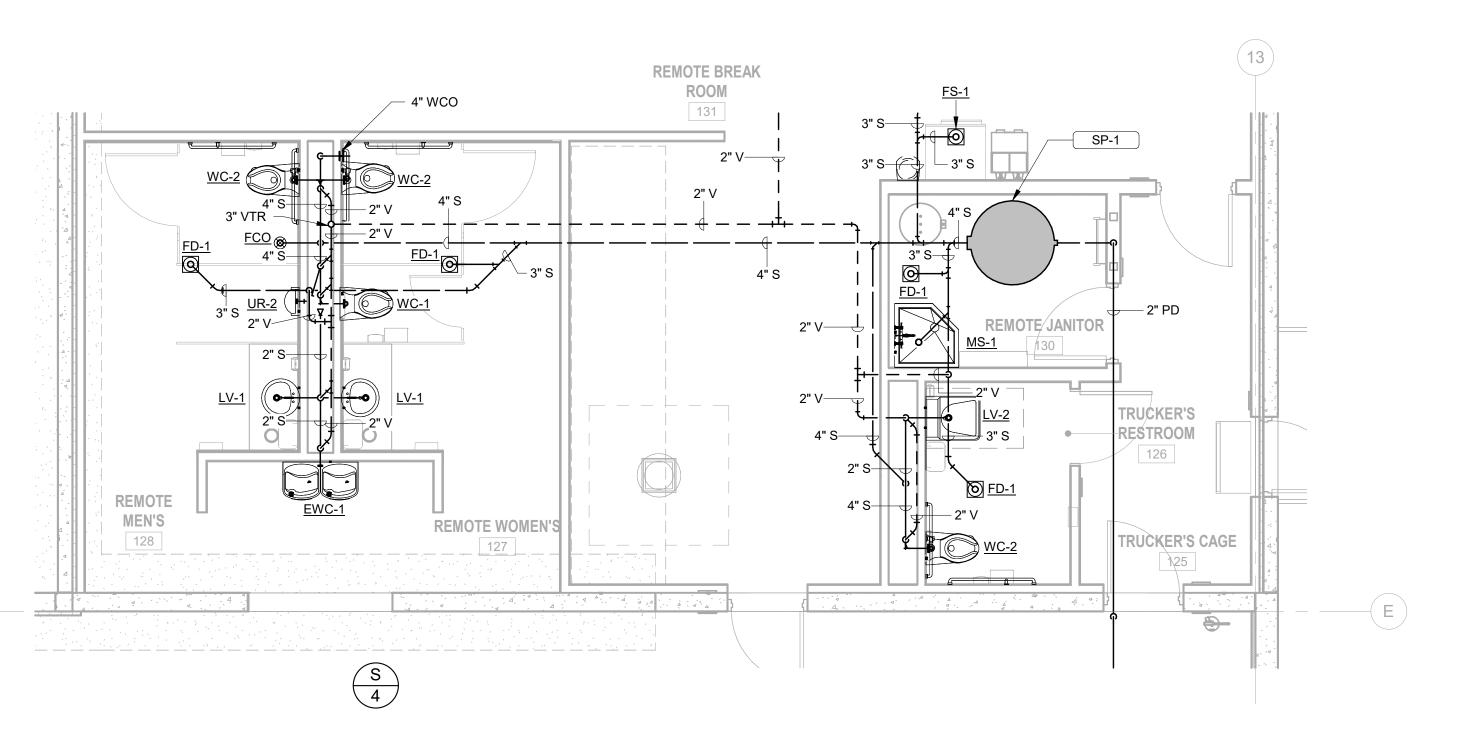
D3 REMOTE OFFICE PLUMBING PLAN

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



B3 REMOTE OFFICE SUPPLY PLAN

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



A3 REMOTE OFFICE SANITARY PLAN

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

SHEET NOTES

KEYNOTES

QUICK DISCONNECT.

 REFER TO P-001 FOR PLUMBING GENERAL NOTES, ABBREVIATIONS AND LEGENDS.

1. HB-1 MOUNTED ON WALL BELOW COUNTER. PROVIDE ACCESS

 1/2" CW DN ALONG COLUMN OR WALL TO OWNER-FURNISHED WATER COOLER. PROVIDE BALL VALVE AT 5'-0" AFF AND 3/8"

CONNECTION FROM CWB WITH 3/8" QUICK DISCONNECT.

4. COMBINATION ICE MACHINE / WATER DISPENSER FURNISHED BY OWNER. PROVIDE CW CONNECTION FROM CWB. PIPE

5. COFFEE VENDING MACHINE FURNISHED BY OWNER. PROVIDE

PANEL BELOW COUNTER FOR IN-WALL BALL VALVE.

3. WATER COOLER FURNISHED BY OWNER. PROVIDE CW

DRAIN TO FS-1. SEE DETAIL D3/P-501.

CW CONNECTION FROM CWB.

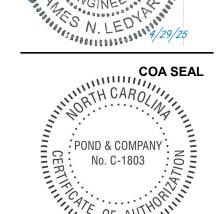


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PROJECT NAME

OFFICE/ WAREHOUSE DEVELOPMENT

34 CORPORATE DRIVE WILMINGTON, NORTH CAROLINA 28435

DRAWING ISSUE

DCD8_BTS_& CD100_REV0_05012025 DESCRIPTION

BY: JAA

S: JAA

BY: WWC

D BY: DP

DATE: 05/01/2025
PROJECT #: 1240989

SHEET TITLE

ENLARGED PLUMBING PLANS

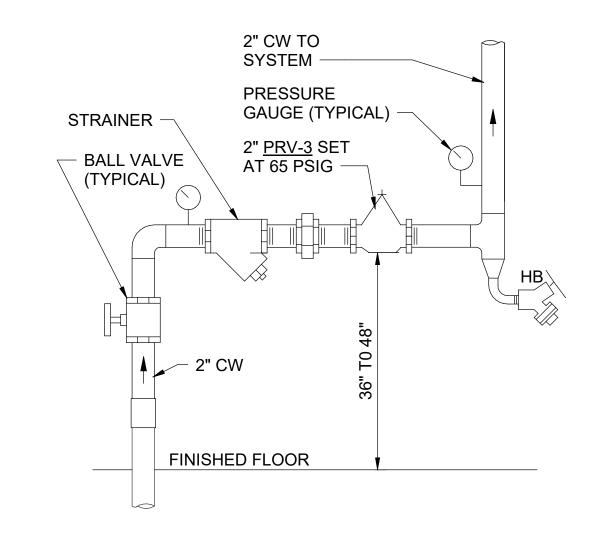
P-402

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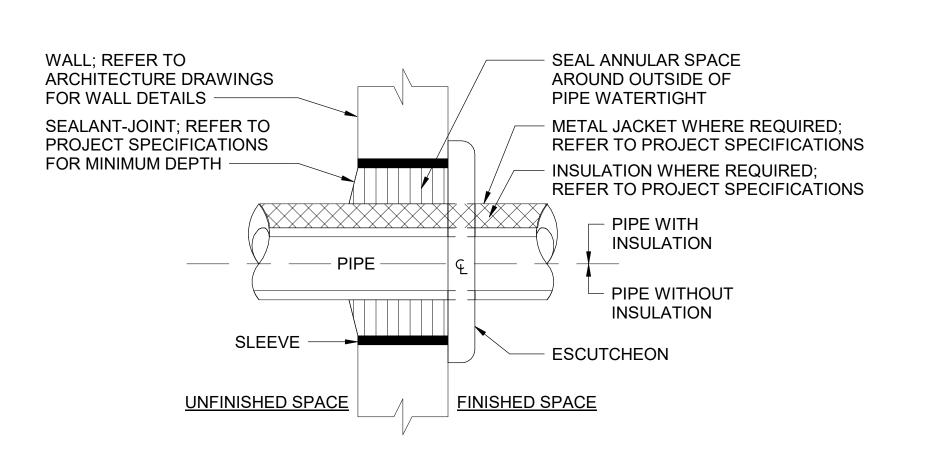
ISSUED FOR PERMIT

8' 0 4' 8' 16' SCALE: 1/8" = 1'-0"

D1 DOMESTIC WATER SERVICE DETAIL - BTS

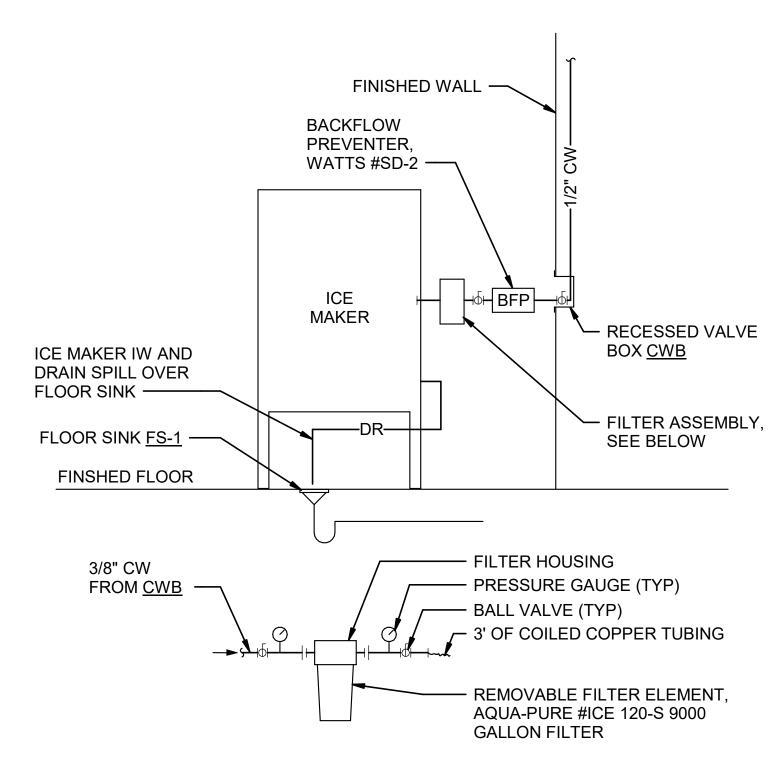


C1 DOMESTIC WATER SERVICE DETAIL - FSC
NOT TO SCALE

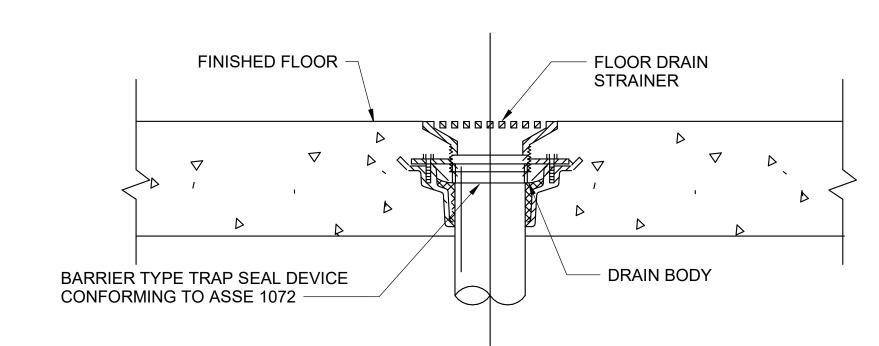


INTERIOR WALL PIPE PENETRATION DETAIL

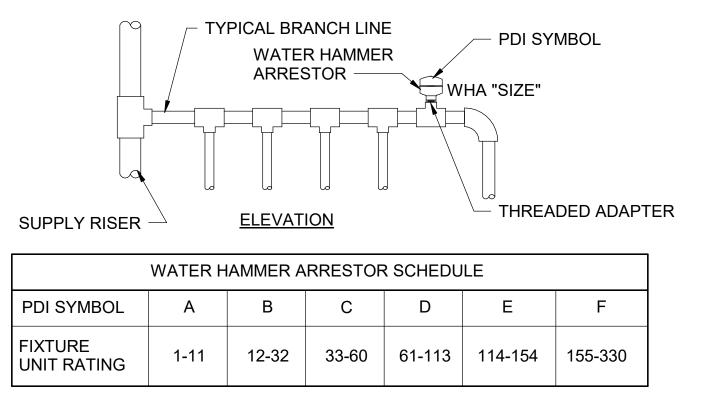
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D3 ICE MACHINE CONNECTION DETAIL



C3 BARRIER TYPE TRAP SEAL DEVICE



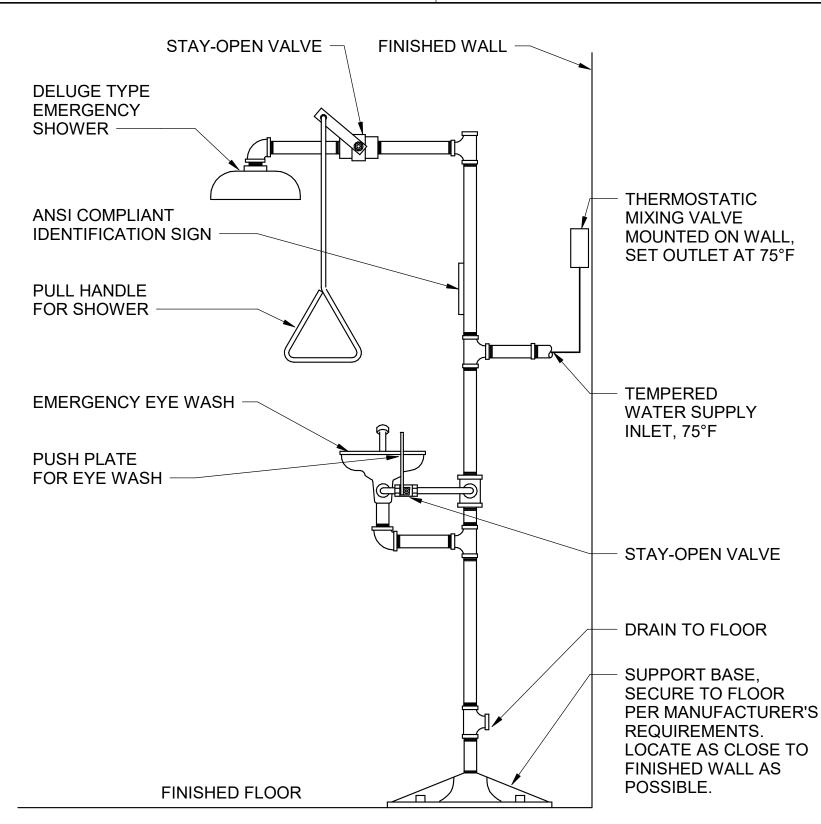
NOTES:

1. INSTALL WATER HAMMER ARRESTORS AT THE END OF BRANCH LINE BETWEEN THE LAST TWO FIXTURES SERVED.

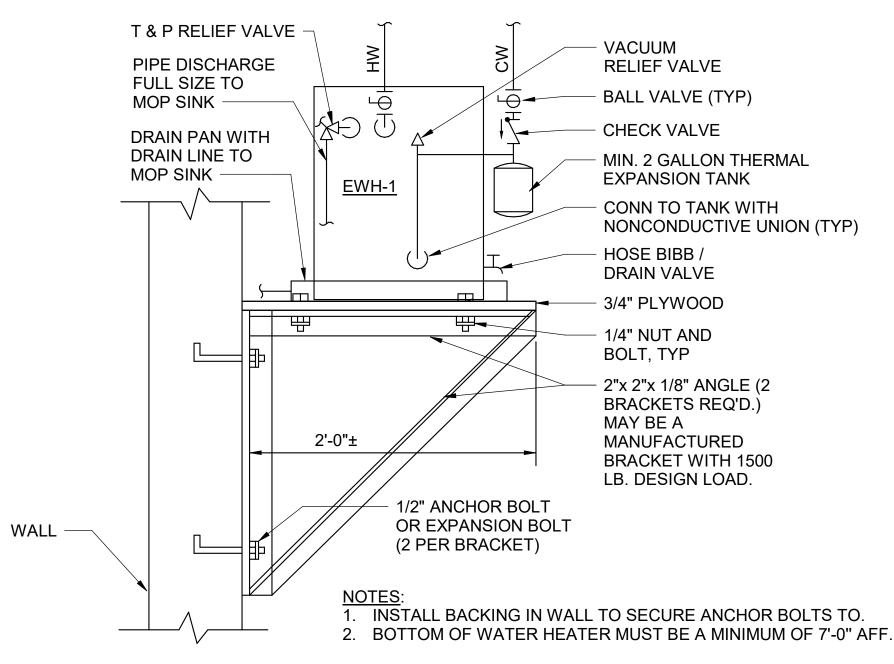
ONE WATER HAMMER ARRESTOR PER 20' LINE, AND ANOTHER FOR BRANCHES OVER 20' IN LENGTH.
 THE SUM OF FIXTURE UNIT RATING OF UNITS OVER 20' IN LENGTH MUST BE EQUAL TO OR GREATER THAN THE DEMAND OF THE BRANCHES.

WATER HAMMER ARRESTOR DETAIL

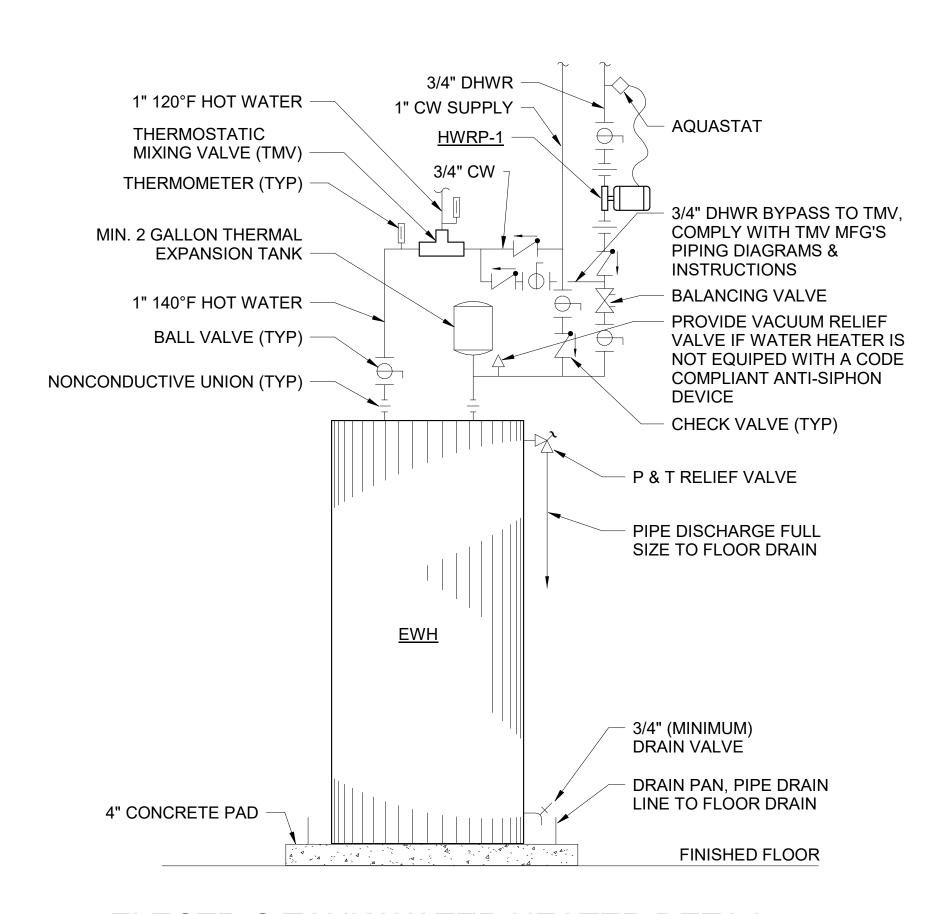
SCALE: NOT TO SCALE



D5 EMERGENCY SHOWER & EYE WASH DETAIL



C5 ELECTRIC WATER HEATER DETAIL



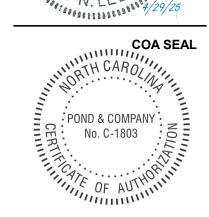
ELECTRIC TANK WATER HEATER DETAIL

NOT TO SCALE

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34 CORPORATE DRIVE WILMINGTON, NORTH CAROLINA 28435

DRAWING ISSUE

S/01/2025
DATE

DCD8_BTS & EV_CD100_REV0_05012025 DESCRIPTION

DESIGNED BY: JAA
DRAWN BY: JAA
CHECKED BY: WWC

DRAWN BY: JAA
CHECKED BY: WWC
SUBMITTED BY: DP
DATE: 05/01/2025
PROJECT #: 1240989

SHEET TITLE

PLUMBING DETAILS

SHEET NUMBER
P-501

	ELECTRIC WATER HEATER SCHEDULE											
	LOCATION		BASIS OF D	ESIGN			HEATING D	ATA		ELECTRIC	AL DATA	
						HEATING	STORAG	GE	MAX			
						CAPACITY	RECOVERY	VOL	TEMP		NO. OF	
ID	NAME	NO.	MANUFACTURER	MODEL NO.	TYPE	(KW)	(GPH)	(GAL)	RISE (°F)	VOLTAGE	POLES	REMARKS
EWH-1	JANITOR	105	A.O. SMITH	DEN-52	STORAGE	4.5	18.0	50.0	100.0	480	2	1-3, SEE DETAIL A5/P-501.
EWH-2	REMOTE JANITOR	130	A.O. SMITH	DEN-30	STORAGE	4.5	18.0	30.0	100.0	480	2	1-3, SEE DETAIL A5/P-501.
EWH-3	SPRINKLER	205	A.O. SMITH	DEN-120	STORAGE	12.0	49.0	120.0	100.0	480	2	1-3, SEE DETAIL A5/P-501.
EWH-4	JANITOR	123	A.O. SMITH	DEL-10	STORAGE	2.0	8.0	10.0	100.0	480	2	1-3, SEE DETAIL C5/P-501.

DISCONNECT PROVIDED BY ELECTRICAL.

PROVIDE EQUIPMENT REQUIRED TO INTERFACE WITH THE DDC SYSTEM. REFER TO SPECIFICATIONS FOR CONTROLS SYSTEM TYPE.

PROVIDE LEAK DETECTION KIT.

SEE DETAIL A5/P-501.

					DOMESTIC CIR	CULATING PUMP	SCHEL	DULE				
LOCATION			BASIS OF DESIGN				DESIGN			ELECTRIC	AL DATA	
							FLOW	HEAD	POWER		NO. OF	
ID	NAME	NO.	MANUFACTURER	MODEL NO.	SERVICE	TYPE	(GPM)	(FT.)	(HP)	VOLTAGE	POLES	REMARKS
HWRP-1	JANITOR	105	TACO	008-BC6	DOMESTIC HOT WATER RETURN	INLINE CIRCULATOR	3.0	14.0	0.04	120	1	ALL
HWRP-2	REMOTE JANITOR	130	TACO	008-BC6	DOMESTIC HOT WATER RETURN	INLINE CIRCULATOR	3.0	14.0	0.04	120	1	ALL
HWRP-3	SPRINKLER	205	TACO	008-BC6	DOMESTIC HOT WATER RETURN	INLINE CIRCULATOR	3.0	14.0	0.04	120	1	ALL

DISCONNECT PROVIDED BY ELECTRICAL. PROVIDE ELECTRONICALLY-COMMUTATED (EC) MOTOR.

PROVIDE EQUIPMENT REQUIRED TO INTERFACE WITH THE DDC SYSTEM. REFER TO

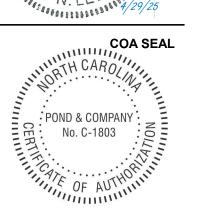
SPECIFICATIONS FOR CONTROLS SYSTEM TYPE. SEE DETAL A5/P-501.

	PLUMBING SPECIALTIES SCHEDULE										
	LOCATION	BASIS OF DE	SIGN								
ID	NAME	NO.	MANUFACTURER	MODEL	DESCRIPTION	REMARKS					
PRV-1	FIRE PUMP	122	WATTS	LF127W	PRESSURE REDUCING VALVE	LEAD FREE, SEE DETAIL D1/P-501.					
PRV-2	FIRE PUMP	122	WATTS	LF223	PRESSURE REDUCING VALVE	LEAD FREE, SEE DETAIL D1/P-501.					
PRV-3	SPRINKLER (FSC)	205	WATTS	LF223	PRESSURE REDUCING VALVE	LEAD FREE, SEE DETAIL C1/P-501.					
TMV-1	JANITOR	105	POWERS	LFLM490	THERMOSTATIC MIXING VALVE	LEAD FREE, NOT MORE THAN 1 GPM MINIMUM FLOW, NOT MORE THAN 10 PSI PRESSURE DROP AT 11 GPM. THERMOMETER AT OUTLET. SEE DETAIL A5/P-501.					
TMV-2	REMOTE JANITOR	130	POWERS	LFLM490	THERMOSTATIC MIXING VALVE	LEAD FREE, NOT MORE THAN 1 GPM MINIMUM FLOW, NOT MORE THAN 10 PSI PRESSURE DROP AT 11 GPM. THERMOMETER AT OUTLET. SEE DETAIL A5/P-501.					
TMV-3	SPRINKLER (FSC)	205	POWERS	LFLM490	THERMOSTATIC MIXING VALVE	LEAD FREE, NOT MORE THAN 1 GPM MINIMUM FLOW, NOT MORE THAN 10 PSI PRESSURE DROP AT 11 GPM. THERMOMETER AT OUTLET. SEE DETAIL A5/P-501.					

	SEWAGE PUMP SCHEDULE												
	LOCATION		BASIS OF DESIGN							ELECTRICAL DATA			
					FL		HEAD	POWER	DISCHARGE		NO. OF		
ID	NAME	NO.	MANUFACTURER	MODEL NO.	TYPE	(GPM)	(FT.)	(HP)	SIZE (DIA.)	VOLTAGE	POLES	REMARKS	
SP-1	REMOTE JANITOR	130	LIBERTY PUMPS	D3648LSG	DUPLEX, GRINDER, SUBMERSIBLE	30.0	75.0	4	2"	480	3	PACKAGED SYSTEM WITH BASIN AND REMOVABLE COVER, TWO (2) GRINDER PUMPS AT 2 HP EACH, GUIDE RAILS FOR PUMP REMOVAL, FLOAT SWITHES AND ELECTRICAL WIRING AND COMPONENTS. CONTROL PANEL SHALL BE ALTERNATING TYPE WITH AUDIBLE AND VISUAL ALARMS. ALARMS SHALL ALSO BE PROVIDED IN THE MAIN OFFICE AREA.	

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CLIENT INFORMATION SEEFRIED **INDUSTRIAL**

PROPERTIES

PROJECT NAME

OFFICE/ WAREHOUSE **DEVELOPMEN**

34 CORPORATE DRIVE WILMINGTON, **NORTH CAROLINA**

DRAWING ISSUE

DESIGNED BY:

DRAWN BY: CHECKED BY: SUBMITTED BY: PROJECT #:

> SHEET TITLE **PLUMBING** SCHEDULES

P-601

3. THE NORTH CAROLINA PLUMBING CODE 2018

4. THE NORTH CAROLINA FUEL GAS CODE 2018 5. ASHRAE 90.1 2013

6. THE NATIONAL ELECTRIC CODE B. ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH STATE AND LOCAL CODES HAVING JURISDICTION IN THE LOCATION OF THE PROJECT. IN THE EVENT SUCH CODES DO NOT EXIST. THE CURRENT EDITION OF THE INTERNATIONAL PLUMBING CODE SHALL BE USED.

OVERALL INSTALLATION

A. CONNECT ALL PLUMBING DOMESTIC WATER, SANITARY WASTE, AND

VENT LINES TO EXISTING SERVICE LINES WITHIN THE BUILDING. B. IT IS THE INTENT OF THIS DESIGN TO PROVIDE FOR A COMPLETE PLUMBING SYSTEM. APPURTENANCES SUCH AS PIPE HANGERS FITTINGS, FLASHINGS, CLAMPS, ETC. THAT ARE NOT SHOWN ON THE DRAWINGS BUT ARE NECESSARY AND REQUIRED TO PROVIDE A COMPLETE PLUMBING SYSTEM SHALL BE CONSIDERED TO BE A PART OF THIS SPECIFICATION AND SHALL BE PROVIDED AND INSTALLED AS

PART OF THIS PROJECT. C. ARRANGEMENT OF SYSTEM SHALL BE AS DIRECT AS POSSIBLE,

AVOIDING ALL UNNECESSARY BENDS AND OFFSETS. D. CHANGES IN DIRECTION OF SOIL AND WASTE PIPING SHALL BE MADE

WITH 1/8" BENDS, "Y" BRANCHES OR COMBINATIONS FITTINGS.

E. EXPOSED PIPING SHALL BE INSTALLED STRAIGHT AND TRUE, PARALLEL OR AT RIGHT ANGLES WITH ADJACENT WALLS, FLOORS, OR CEILINGS. F. INSTALL GAUGES AND THERMOMETERS IN LOCATIONS WHERE THEY

ARE EASILY READ FROM NORMAL OPERATING LEVEL. INSTALL VERTICAL TO 45 DEGREES OFF VERTICAL

G. PROVIDE HOUSEKEEPING PADS OR EQUIPMENT BASES FOR ALL EQUIPMENT. PADS/BASES SHALL BE 4" HIGH WITH A 4" OVERHANG ON ALL SIDES OF EQUIPMENT H. PROVIDE FLOOR DRAINS, LOCATED AT LOW POINTS IN FLOOR. INSTALL

TRAP PRIMER CONNECTIONS OR BARRIER TYPE TRAP SEALS CONFORMING TO ASSE 1072 (IF APPROVED BY AHJ) AT ALL FLOOR DRAINS. INSTALL UNIONS ON BOTH SIDES OF TRAP PRIMER AND DISTRIBUTION UNIT TO EASE MAINTENANCE AND REPLACEMENT

INSTALL WATER HAMMER ARRESTORS ON HOT AND COLD WATER SUPPLY PIPING TO ALL FIXTURES AND TOILET BATTERIES. SIZE AND INSTALL IN ACCORDANCE WITH THE (PLUMBING AND DRAINAGE INSTITUTE STANDARD) PDI WH-201.

PIPING MATERIALS

A. PIPING MATERIALS SHALL BE IN ACCORDANCE WITH STATE AND LOCAL CODES HAVING JURISDICTION IN THE LOCATION OF THE PROJECT. IN THE EVENT SUCH CODES DO NOT EXIST, THE CURRENT EDITION OF THE INTERNATIONAL PLUMBING CODE SHALL BE USED.

B. DELIVER PIPES AND TUBES WITH FACTORY-APPLIED END CAPS. MAINTAIN END CAPS THROUGH SHIPPING, STORAGE, AND HANDLING TO PREVENT PIPE END DAMAGE AND TO PREVENT ENTRANCE OF DIRT, DEBRIS. AND MOISTURE.

C. EXPOSED PIPE AND FITTINGS AT SINKS AND HANDICAPPED LAVATORIES SHALL BE INSULATED WITH PREFABRICATED KITS PER MANUFACTURER.

D. SANITARY SEWER AND STORM DRAINAGE:

1. PIPING SHALL BE SOLID CORE SCHEDULE 40 PVC, ASTM D 2665, WITH SOLVENT WELD JOINTS ABOVE AND BELOW GRADE AS ALLOWED BY CODE. PIPING SHALL BE SERVICE WEIGHT CAST IRON WHERE PVC IS NOT ALLOWED.

2. CLEANOUTS SHALL BE PROVIDED AT THE END OF ALL RESTROOM BATTERIES, AND THEY SHALL BE READILY ACCESSIBLE AND LOCATED IN THE MEN'S RESTROOMS WHERE POSSIBLE. 3. CLEANOUTS SHALL BE PROVIDED WITHIN THE SYSTEM RUN AT

INTERVALS NOT TO EXCEED 100 FEET MAXIMUM. E. WATER PIPING: PIPING ABOVE GRADE SHALL BE ASTM B 88, TYPE "L" COPPER WITH

SOLDER OR PRESS FIT JOINTS AND COPPER FITTINGS. GROOVED JOINTS MAY BE USED FOR PIPING 2-1/2" AND LARGER. 2. PIPING BELOW GRADE SHALL BE ASTM B 88, TYPE "K" COPPER WITH BRAZED JOINTS AND COPPER FITTINGS.

3. PROVIDE FULL PORT BALL VALVES, MSS SP-110 OR MSS SP-145, WITH SOLDERED OR THREADED ENDS AT ALL BRANCH PIPING 2" AND SMALLER FOR ISOLATION. PROVIDE GATE VALVES OR BUTTERFLY VALVES WITH FLANGED ENDS FOR PIPING 2-1/2" AND LARGER. 4. PROVIDE A CALIBRATED BALANCING VALVE AND CHECK VALVE AT

EACH DOMESTIC HOT WATER RETURN BRANCH. BALANCING VALVES SHALL BE BRASS OR BRONZE, BALL TYPE WITH TWO READOUT PORTS AND MEMORY-SETTING INDICATOR.

5. ISOLATION VALVES SHALL BE PROVIDED FOR ALL FIXTURES 6. ROUGH-IN FOR A PROBE-TYPE WATER METER SHALL BE PROVIDED NEAR THE SERVICE ENTRY FOR CONNECTION TO THE BUILDING MANAGEMENT SYSTEM (BMS).

F. PROVIDE AMPLE ACCESS FOR MAINTENANCE, SERVICE, AND ADJUSTMENT TO ALL EQUIPMENT, PLUMBING PIPING, AND ISOLATION

G. PROVIDE UNIONS IN PIPING TO ALL EQUIPMENT AND SPECIALTIES TO PERMIT REMOVAL FOR SERVICE; UNIONS SHALL BE METAL SEAT TYPE. PROVIDE INSULATING UNIONS WHERE NEEDED. DISSIMILAR METALS. I.E. COPPER AND STEEL, SHALL NOT BE INSTALLED TO ALLOW DIRECT CONTACT BETWEEN THE METALS. PROVIDE DIELECTRIC CONNECTIONS.

PIPING INSULATION

A. DOMESTIC WATER: 1. DOMESTIC HOT, TEMPERED, AND CIRCULATING PIPING: 1.5-INCH THICK RIGID GLASS FIBER WITH FACTORY ASJ JACKET.

2. DOMESTIC COLD PIPING: 1-INCH THICK RIGID GLASS FIBER WITH FACTORY ASJ JACKET. B. WASTE PIPING HANDLING HVAC CONDENSATE: 1 INCH THICK PHENOLIC

FOAM WITH SARAN VAPOR JACKET. INSULATE FITTINGS WITH PIPE INSULATION MITERED TO FIT. C. INSULATION EXPOSED TO THE EXTERIOR OR UNCONDITIONED SPACES

SHALL BE WRAPPED WITH ALUMINUM JACKET.

IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT A. IDENTIFY EQUIPMENT SUCH AS PUMPS, WATER HEATERS, TANKS, COMPRESSORS AND ENCLOSED MOTOR CONTROLLERS WITH PLASTIC NAMEPLATES.

B. WHERE EQUIPMENT IS LOCATED ABOVE CEILINGS; APPLY NAMEPLATE TO CEILING GRID FOR EQUIPMENT LOCATED ABOVE ACCESSIBLE CEILINGS OR TO ACCESS PANEL FOR NON-ACCESSIBLE CEILINGS.

C. IDENTIFY CONTROL PANELS AND MAJOR CONTROL COMPONENTS OUTSIDE PANELS WITH PLASTIC NAMEPLATES.

D. INSTALL PIPE MARKERS ON ALL PIPING SYSTEMS AT THE

FOLLOWING LOCATIONS:

GENERAL PLUMBING (CONT.

1. MECHANICAL EQUIPMENT ROOMS: A. WITHIN 18 INCHES OF EACH VALVE. B. WITHIN 36 INCHES OF EACH 90 ELBOW, TEE, CONNECTION TO EQUIPMENT OR VESSEL AND POINT WHERE PIPE EXITS ROOM.

C. AT NOT OVER 20 FEET INTERVALS ALONG ALL EXPOSED PIPING.

2. ABOVE SUSPENDED CEILINGS:

A. WITHIN 18 INCHES OF EACH VALVE OR VALVE ASSEMBLY. B. AT TEES. IDENTIFY BOTH MAIN AND BRANCH WITHIN 36 INCHES OF TEE.

C. WITHIN 36 INCHES OF EACH 90 ELBOW. D. AT NOT OVER 15 FEET INTERVALS ALONG ALL

CONCEALED PIPING. 3. PIPING EXPOSED IN ROOMS OTHER THAN MECHANICAL

EQUIPMENT AREAS: A. OMIT IDENTIFICATION ON PIPING, 1 INCH EXTERIOR DIAMETER OR SMALLER (INSULATED OR UNINSULATED) OR EXPOSED AT CONNECTIONS TO EQUIPMENT OR PLUMBING FIXTURES.

B. WITH THE ABOVE EXCEPTION, IDENTIFY AT NOT LESS THAN ONE POINT EACH PIPING RUN VISIBLE IN EACH ROOM, WITH IDENTIFICATION ON NOT OVER 20 FEET INTERVALS.

PLUMBING SYSTEM TEST

A. FURNISH ALL MATERIAL AND LABOR REQUIRED FOR TESTING

PLUMBING SYSTEMS. B. NO PIPE SHALL BE COVERED OR CONCEALED UNTIL PLUMBING SYSTEMS HAVE BEEN TESTED, ALL LEAKS STOPPED RETESTED, AND APPROVED BY THE CONTRACTING OFFICER.

C. TEST THE ENTIRETY OF THE BUILDING SANITARY SEWER SYSTEM OR IN SECTIONS WITH WATER AT NOT LESS THAN 10 FEET HEAD, OR APPROVED TEST PRESSURE FOR MINIMUM OF ONE HOUR. TEST SHALL BE CONDUCTED AND ANY LEAKS FOUND SHALL BE REPAIRED PRIOR TO BACKFILLING AND CONCEALING.

D. TEST THE ENTIRETY OF THE BUILDING DOMESTIC WATER SYSTEM OR IN SECTIONS AND SUBJECTED TO A 150 PSI HYDROSTATIC PRESSURE FOR MINIMUM OF ONE HOUR WITHOUT LEAKS OR LOSS IN PRESSURE. TEST SHALL BE CONDUCTED AND ANY LEAKS FOUND SHALL BE REPAIRED PRIOR TO BACKFILLING AND CONCEALING.

DOMESTIC WATER HEATER ACCESSORIES

A. DOMESTIC-WATER EXPANSION TANKS FROM SINGLE SOURCE MANUFACTURER.

1. DESCRIPTION: STEEL PRESSURE-RATED TANK CONSTRUCTED WITH WELDED JOINTS AND FACTORY-INSTALLED, BUTYL-RUBBER DIAPHRAGM, INCLUDE AIR PRECHARGE TO MINIMUM SYSTEM-OPERATING PRESSURE AT TANK.

2. CONSTRUCTION:

A. TAPPINGS: FACTORY-FABRICATED STEEL, WELDED TO TANK BEFORE TESTING AND LABELING. INCLUDE ASME B1.20.1 PIPE THREAD.

B. INTERIOR FINISH: COMPLY WITH NSF 61 AND NSF 372 BARRIER MATERIALS FOR POTABLE-WATER TANK LININGS, INCLUDING EXTENDING FINISH INTO AND

THROUGH TANK FITTINGS AND OUTLETS. C. AIR-CHARGING VALVE: FACTORY INSTALLED.

B. DRAIN PANS: CORROSION-RESISTANT METAL WITH RAISED EDGE. INCLUDE DIMENSIONS NOT LESS THAN BASE OF DOMESTIC-WATER HEATER, AND INCLUDE DRAIN OUTLET NOT LESS THAN NPS 3/4" (DN 20) WITH ASME B1.20.1 PIPE THREADS.

C. PIPING-TYPE HEAT TRAPS: FIELD-FABRICATED PIPING ARRANGEMENT IN ACCORDANCE WITH ASHRAE/IES 90.1.

D. HEAT-TRAP FITTINGS: IN COMPLIANCE WITH ASHRAE/IES 90.1.

E. PRESSURE-REDUCING VALVES: ASSE 1003 FOR WATER. SET AT 25-PSIG- (172.5-KPA-) MAXIMUM OUTLET PRESSURE UNLESS OTHERWISE INDICATED.

F. COMBINATION TEMPERATURE-AND-PRESSURE RELIEF VALVES: ASME RATED AND STAMPED. INCLUDE RELIEVING CAPACITY AT LEAST AS GREAT AS HEAT INPUT, AND INCLUDE PRESSURE SETTING LESS THAN WORKING-PRESSURE RATING OF DOMESTIC-WATER HEATER. SELECT RELIEF VALVES WITH SENSING ELEMENT THAT EXTENDS INTO STORAGE TANK.

G. PRESSURE RELIEF VALVES: ASME RATED AND STAMPED. INCLUDE PRESSURE SETTING LESS THAN WORKING-PRESSURE RATING OF DOMESTIC-WATER HEATER.

H. VACUUM RELIEF VALVES: ANSI Z21.22/CSA 4.4.

NATIONAL BOARD AS REQUIRED. B. HEATER SHALL BE LISTED WITH UNDERWRITERS'

C. ALL INTERNAL SURFACES OF THE TANK SHALL BE GLASS-LINED WITH AN ALKALINE BOROSILICATE COMPOSITION THAT HAS BEEN FUSED-TO-STEEL BY FIRING AT A TEMPERATURE OF 1600°

D. TANK SHALL BE CATHODICALLY PROTECTED WITH A ENTIRE VESSEL IS TO BE ENCLOSED IN A ROUND STEEL

E. WATER HEATER SHALL HAVE AN ELECTRONIC CONTROL WITH LARGE LCD DISPLAYING CURRENT WATER HEATER STATUS; PROVIDE REAL TIME ELEMENT STATUS AND SENSING, LOW WATER CUTOFF AND ECONOMY MODE OPERATION. SHALL HAVE 120 VOLT CONTROL CIRCUIT TRANSFORMER. TRANSFORMER FUSING, MAGNETIC CONTACTOR(S), ELEMENT FUSING PER N.E.C., AND COMMERCIAL GRADE INCOLOY

WILL REQUIRE RESETTING MANUALLY IN THE EVENT THE

AND/OR STANDBY LOSS REQUIREMENTS OF THE U.S. DEPARTMENT OF ENERGY AND CURRENT EDITION OF ASHRAE/IES 90.1.

H. HEATER SHALL INCLUDE A CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE AND A DRAIN VALVE.

CIRCULATION PUMPS

A. PROVIDE IN-LINE DOMESTIC WATER CIRCULATION PUMP(S) AS INDICATED ON THE DRAWINGS.

1. ELECTRICAL COMPONENTS, DEVICES, AND ACCESSORIES SHALL BE LISTED AND LABELED AS DEFINED IN NFPA 70, BY A QUALIFIED TESTING AGENCY, AND MARKED FOR INTENDED LOCATION AND APPLICATION.

FACTORY-ASSEMBLED AND FACTORY-TESTED.

MAXIMUM CONTINUOUS OPERATING TEMPERATURE: 200 °F. 7. CASING: STAINLESS STEEL WITH THREADED OR COMPANION-FLANGE CONNECTIONS

B. CIRCULATION PUMP SHALL BE RATED FOR HORIZONTAL OR MOUNT PUMPS IN ORIENTATION COMPLYING WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

C. PROVIDE ELECTRIC TIMER CONTROLS THAT SHALL BE 7-DAY PROGRAMMABLE WITH MANUAL OVERRIDE ON-OFF SWITCH. INTERLOCK WITH ASSOCIATED WATER HEATING EQUIPMENT AS REQUIRED:

ON-OFF CYCLES EACH DAY. 2. CONTROL ENCLOSURE SHALL BE WALL-MOUNTED. D. PERFORM TESTS AND INSPECTIONS FOR LEAKS, MOTOR

E. PREPARE TEST AND INSPECTION REPORTS FOR PROJECT RECORD.

GENERAL PLUMBING (CONT.)

ELECTRIC WATER HEATER (TANK) A. CONSTRUCTED IN ACCORDANCE WITH ASME CODE, SHALL BEAR APPROPRIATE SYMBOL AND BE LISTED WITH THE

LABORATORIES AND CLASSIFIED TO THE NATIONAL SANITATION

FOUNDATION STANDARD NO. 5.

COMBINATION OF SACRIFICIAL AND POWERED ANODES. THE

ENCLOSURE WITH BAKED ENAMEL FINISH.

ELEMENTS. F. TEMPERATURE CONTROLS INCLUDE LIMITING SWITCH WHICH TEMPERATURE REACHES 202°F

G. FOAM INSULATION SHALL MEET THE THERMAL EFFICIENCY

2. UL-778 COMPLIANCE

4. HERMETICALLY SEALED MOTORS

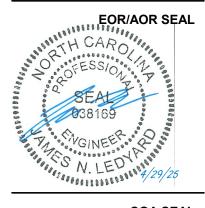
5. MINIMUM WORKING PRESSURE: 125 PSIG.

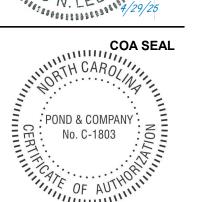
VERTICAL INSTALLATION AS INDICATED ON THE DRAWINGS.

1. PROGRAMMABLE SEQUENCE SHALL INCLUDE UP TO TWO

OPERATION, AND CONTROLS AND SAFETIES. IF ANY TESTS OR INSPECTIONS ARE FAILED, THE CIRCULATION PUMP SHALL BE CONSIDERED DEFECTIVE. REPLACE BROKEN OR DAMAGED COMPONENTS FOR DEFECTIVE PUMPS PRIOR TO RETESTING.

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CLIENT INFORMATION SEEFRIED INDUSTRIAL **PROPERTIES**

PROJECT NAME OFFICE/ WAREHOUSE **DEVELOPMEN**

34 CORPORATE DRIVE WILMINGTON, **NORTH CAROLINA** 28435

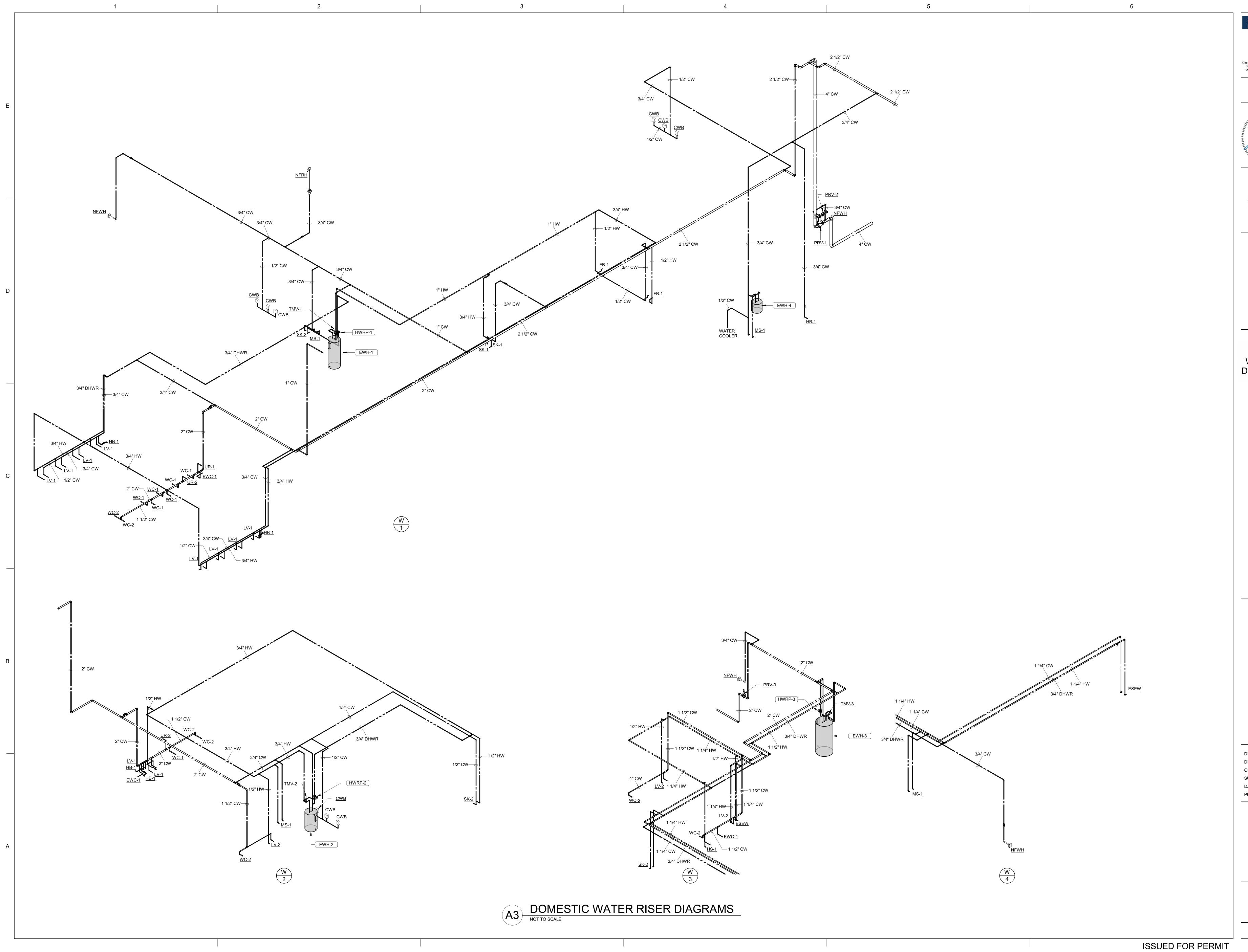
DRAWING ISSUE

0 **DESIGNED BY:**

DRAWN BY: CHECKED BY: SUBMITTED BY: DATE: 05/01/2025 PROJECT #: 1240989

SHEET TITLE **PLUMBING SPECIFICATIONS**

P-701



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PROJECT NAME

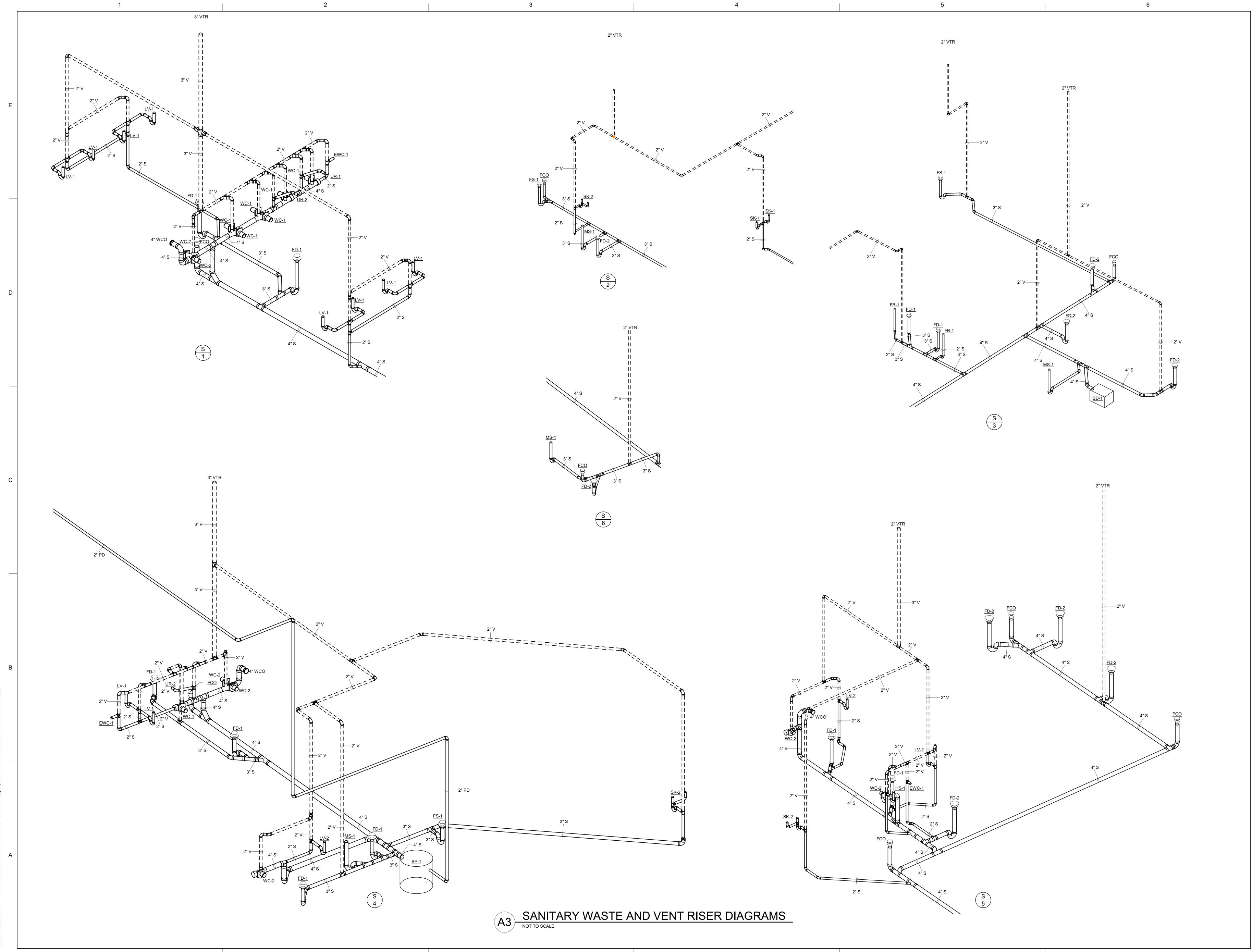
OFFICE/ WAREHOUSE DEVELOPMENT

34 CORPORATE DRIVE WILMINGTON, NORTH CAROLINA 28435

SHEET TITLE

DOMESTIC WATER RISER DIAGRAMS

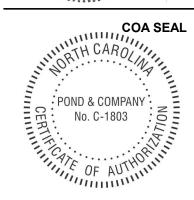
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SEEFRIED INDUSTRIAL PROPERTIES

OFFICE/ WAREHOUSE DEVELOPMENT

> 34 CORPORATE DRIVE WILMINGTON, NORTH CAROLINA 28435

DRAWING ISS

05/01/2025

DCD8_BTS & EV_CD100_REV0505

SNED BY: JAA
/N BY: JAA
KED BY: WWC
ITTED BY: DP

SUBMITTED BY: DP

DATE: 05/01/2025

PROJECT #: 1240989

SHEET TITLE

SANITARY WASTE AND VENT RISER DIGARAMS

P-902