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PLUMBING SPECIALTIES SCHEDULE							
SYMBOL	DESCRIPTION	CONNECTION SIZE				SPECIFICATION	REMARKS
		W	V	CW	HW		
WB1	INDIRECT DRAIN CONNECTION BOX; 14"x 9"x 3.5", 20 GAUGE STEEL WITH WHITE POWDER COATING, RECESSED IN WALL	2"	1-1/2"	-	-	FIXTURE: GUY GRAY T200LV WITH KNOCK-OUTS IN TOP OF BOX 2" DRAIN OUTLET WITH 2" DEEP SEAL P-TRAP	PROVIDE 2" TRAP GUARD EQUAL TO RECTORSEAL "SURE-SEAL". SEE 9/P501
IMB1	WATER CONNECTION BOX; 7"x 7"x 3.5", 20 GAUGE STEEL WITH WHITE POWDER COATING, RECESSED IN WALL	-	-	1/2"	-	FIXTURE: GUY GRAY MIBAB STOP: QUARTER TURN WITH SHOCK ARRESTOR SUPPLY: 1/4" FLEXIBLE HOSE	PROVIDE INLINE DOUBLE CHECK VALVE WILKINS SERIES 700
CS-x	BALANCING VALVE, THERMOSTATIC, AUTOMATIC, SUFFIX INDICATES PIPE SIZE, SEE FLOOR PLANS	-	-	-	**	EQUIPMENT: CIRCUIT SOLVER CS SERIES, SIZES 1/2" THRU 2", NSF 61 CERTIFIED.	PROVIDE 105°F MODEL
SA-x	SHOCK ARRESTOR, SUFFIX INDICATES PDI SIZE	-	-	x	-	EQUIPMENT: SIOUX CHIEF 650 SERIES, SIZES 1/2" THRU 2", NSF 61 CERTIFIED.	SEE SHOCK ARRESTOR TABLE THIS SHEET
HB1	HOSE BIBB, INTERIOR, EXPOSED, STAINLESS STEEL FACE PLATE, ANTI-SIPHON	-	-	3/4"	-	EQUIPMENT: ZURN Z1333-3-34EL PROVIDE VACUUM BREAKER AND METAL LOOSE KEY FOR EACH HOSE BIBB	MOUNT 18" AFF
HB2	HOSE BIBB, EXTERIOR, EXPOSED, STAINLESS STEEL FACE PLATE, FREEZELESS, ANTI-SIPHON	-	-	3/4"	-	EQUIPMENT: ZURN Z1310-34EL PROVIDE VACUUM BREAKER AND METAL LOOSE KEY FOR EACH HOSE BIBB	MOUNT 18" AFF
CO	PLUG CLEANOUT, CAST IRON BODY	**	-	-	-	CLEANOUT: ZURN Z-1440-BP, BRONZE PLUG, CLEANOUT SIZE SHALL MATCH PIPE SIZE	MOUNT 42" AFF
WCO	WALL CLEANOUT, CAST IRON BODY, STAINLESS STEEL WALL PLATE	**	-	-	-	CLEANOUT: ZURN Z-1446-BP, BRONZE PLUG, CLEANOUT SIZE SHALL MATCH PIPE SIZE	GAS / WATER TIGHT
FCO	FLOOR CLEANOUT, CAST IRON BODY, NICKEL BRONZE TOP, ADJUSTABLE	**	-	-	-	CLEANOUT: ZURN ZN-1400-BP, BRONZE PLUG CLEANOUT SIZE SHALL MATCH PIPE SIZE	GAS / WATER TIGHT, INSTALL TOP FLUSH WITH FINISHED FLOOR
YCO	YARD CLEANOUT, CAST IRON BODY, NICKEL BRONZE TOP, ADJUSTABLE, INSTALLED IN 18"x18"x6" CONCRETE PAD	**	-	-	-	CLEANOUT: ZURN ZN-1400-BP, BRONZE PLUG INSTALL IN 18" x 18" x 6" DEEP CONCRETE PAD	GAS / WATER TIGHT, INSTALL TOP FLUSH WITH FINISHED GRADE
FD1	FLOOR DRAIN, CAST IRON BODY, ROUND NICKEL BRONZE GRATE, ADJUSTABLE	3"	2"	-	-	DRAIN: ZURN ZN-415-B, 6" DIAMETER GRATE P-TRAP: 3" DEEP SEAL	INSTALL TOP FLUSH WITH FINISHED FLOOR. SEE NOTE 1 BELOW.
FD2	FLOOR DRAIN, CAST IRON BODY, ROUND NICKEL BRONZE GRATE, ADJUSTABLE	3"	2"	-	-	DRAIN: ZURN ZN-415-L, 7" DIAMETER RECESSED GRATE P-TRAP: 3" CAST IRON, DEEP SEAL	INSTALL TOP OF DRAIN LIP FLUSH WITH FLOOR. SEE NOTE 1 BELOW.
RDI	PRIMARY ROOF DRAIN CAST IRON BODY, SUMP RECEIVER GRAVEL STOP AND ALUMINUM DOME	-	-	-	-	DRAIN: JAY R. SMITH 1070Y WITH DECK PLATE AND ADJUSTABLE EXTENTION	SEE PLANS FOR SIZE
RD2	SECONDARY ROOF DRAIN CAST IRON BODY, SUMP RECEIVER GRAVEL STOP AND ALUMINUM DOME	-	-	-	-	DRAIN: JAY R. SMITH 1070Y WITH DECK PLATE, ADJUSTABLE EXTENSION, AND 4" HIGH WATER DAM	SET WATER DAM ELEVATION 3" ABOVE THE ADJACENT FINISHED ROOF ELEVATION.
DSN1	DOWNSPOUT NOZZLE CAST BRONZE BODY CAST BRONZE FLANGE	-	-	-	-	NOZZLE: JAY R. SMITH 1770 SERIES	MOUNT 18" ABOVE FINISHED GRADE. PROVIDE WITH BIRD SCREEN OPTION.
NOTES: 1. PROVIDE WATERLESS INLINE TRAP GUARD FOR EACH FLOOR DRAIN CONFORMING TO ASSE 1072 AND EQUAL TO RECOTORSEAL "SURE-SEAL" MODEL SS3009V. INSTALL TRAP GUARDS IN THE OUTLET OF THE FLOOR DRAIN BODY (NOT IN THE STRAINER).							
** MATCH PIPE SIZE SHOWN ON PLANS, SEE PLANS.							
APPROVED EQUALS: THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE MODEL WHICH MOST CLOSELY MATCHES THE SPECIFIED PRODUCT. PROVIDE PRODUCTS MADE BY THE MANUFACTURER'S LISTED.		PRODUCT TYPE: SHOCK ARRESTOR HOSE BIBBS DRAINS BACKFLOW PREVENTER		ACCEPTED MANUFACTURERS: SIOUX CHIEF, PPP INC., ZURN, WATTS ZURN, WOODFORD, ZURN, J.R. SMITH ZURN, J.R. SMITH, WADE WILKINS, WATTS, APOLLO			

SHOCK ARRESTOR TABLE				
DRAWING SYMBOL	FIXTURE UNITS	P.D.I. WH201 DESIGNATION	ARRESTOR SIZE	REMARKS
SA-A	1 - 11	A	1/2"	INSTALL SHOCK ARRESTORS PER THE PLUMBING DRAINAGE INSTITUTE (P.D.I.) GUIDELINES.
SA-B	12 - 32	B	3/4"	
SA-C	33 - 60	C	1"	ACCEPTED MANUFACTURERS: SIOUX CHIEF, WATTS, PPP INC., ZURN
SA-D	61 - 113	D	1-1/4"	
SA-E	114 - 154	E	1-1/2"	

PROVIDE SECONDARY ARRESTOR CENTERED ON BRANCH LINE IF BRANCH SUPPLY EXCEEDS 20'-0" IN OVERALL LENGTH.

Diagram labels: CW SUPPLY MAIN, BRANCH SUPPLY, SHOCK ARRESTOR, SHUT-OFF VALVE, FIXTURE SUPPLY (TYPICAL).

WATER HEATER SCHEDULE - ELECTRIC										
SYMBOL	DESCRIPTION	STORAGE (GALLONS)	GPH RECOVERY @ 80°F RISE	ELECTRIC DATA			BASIS OF DESIGN		REMARKS	
				KW	V	PH	MANUFACTURER	MODEL		
WH-1	ELECTRIC WATER HEATER	40	23	4.5	208	1	60	AO SMITH	PNT-40	1, 2
REMARKS: 1. EQUIVALENT MANUFACTURERS: STATE, LOCHINVAR, BRADFORD WHITE, RHEEM. 2. WATER HEATER SHALL MEET OR EXCEED THE REQUIREMENTS OF ASHRAE 90.1.										

EXPANSION TANK SCHEDULE							
SYMBOL	DESCRIPTION	VOLUME (GALLONS)	DIAMETER (INCHES)	HEIGHT (INCHES)	BASIS OF DESIGN		REMARKS
					MANUFACTURER	MODEL	
ET1	BLADDER TYPE EXP. TANK	2.0	8	12.1	AMTROL	ST-5	1
REMARKS: 1. EQUIVALENT MANUFACTURERS: BELL & GOSSETT, WESSELS COMPANY.							

PUMP SCHEDULE										
SYMBOL	DESCRIPTION	CAPACITY		ELECTRICAL DATA			SELECTION BASED ON		REMARKS	
		GPM	HEAD (FT)	HP	VOLTS	PH	HZ	MANUFACTURER		MODEL
SP1	SUBMERSIBLE	50	25	3/4	120	1	60	LIBERTY PUMPS	ELV 290	1,2,3
<u>REMARKS:</u> 1. EQUIVALENT MANUFACTURERS: STANCOR 2. PROVIDE BACKWATER CHECK VALVE AND SHUT-OFF VALVE ON DISCHARGE LINE 3. PROVIDE PUMP WITH PLUG AND CORD.										

PLUMBING FIXTURE SCHEDULE										
SYMBOL	DESCRIPTION	CONNECTION SIZE				SPECIFICATION	REMARKS			
		W	V	CW	HW					
P1	WATER CLOSET, HET ELONGATED BOWL WALL HUNG FLUSH VALVE, 1.28 GPF	4"	2"	1-1/4"	-	FIXTURE: AMERICAN STD. 3351.101 "AFWALL" SEAT: CHURCH 9500CT FLUSH VALVE: SLOAN TI-1-128 MATERIAL: VITREOUS CHINA COLOR: WHITE CARRIER: JAY R. SMITH 0210-0220 SERIES	SEAT HEIGHT 15" AFF SEE NOTE 2			
PIA	WATER CLOSET, HET ADA COMPLIANT ELONGATED BOWL WALL HUNG FLUSH VALVE, 1.28 GPF	4"	2"	1-1/4"	-	FIXTURE: AMERICAN STD. 3351.101 "AFWALL" SEAT: CHURCH 9500CT FLUSH VALVE: SLOAN TI-1-128 MATERIAL: VITREOUS CHINA COLOR: WHITE CARRIER: JAY R. SMITH 0210-0220 SERIES	SEAT HEIGHT 17" - 19" AFF SEE NOTE 2 PROVIDE FLUSH VALVE LEVER ON WIDE SIDE OF STALL.			
P2A	URINAL, HEU ADA COMPLIANT WALL MOUNTED FLUSH VALVE, 0.5 GPF	2"	1-1/2"	3/4"	-	FIXTURE: AMERICAN STD. 6590.001 "WASHBROOK" FLUSH VALVE: SLOAN 186-0.5 COLOR: WHITE MATERIAL: VITREOUS CHINA CARRIER: JAY R. SMITH 0615 SERIES	FIXTURE LIP HEIGHT 17" AFF			
P3A	LAVATORY ADA COMPLIANT WALL MOUNTED 20" X 18" GRID DRAIN 0.5 GPM FAUCET	2"	1-1/2"	1/2"	1/2"	FIXTURE: AMERICAN STD. 0355.012 "LUCERNE" DRAIN: MCGUIRE 155A GRID STRAINER FAUCET: CHICAGO 420-T41E2805ABCP P-TRAP: MCGUIRE 8902 1-1/4" X 1-1/2" STOPS: MCGUIRE LF175LK MATERIAL: VITREOUS CHINA, WHITE CARRIER: JAY R. SMITH 0700-0710 SERIES	SEE NOTES 1 BELOW BOWL RIM HEIGHT 34" AFF			
P3B	LAVATORY ADA COMPLIANT 19-3/4" X 13-3/4" RECTANGULAR COUNTER MOUNTED SELF RIMMING BOWL 0.5 GPM FAUCET	2"	1-1/2"	1/2"	1/2"	FIXTURE: AMERICAN STD. 0614.300 "STUDIO" GRID DRAIN: MCGUIRE 155A GRID STRAINER FAUCET: MOEN 8210F05 (SINGLE LEVER) P-TRAP: MCGUIRE 8902 1-1/4" X 1-1/2" STOPS: MCGUIRE LF175LK	SEE NOTES 1 BELOW SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHT. PROVIDE 0.5 GPM AERATOR			
P4A	ELECTRIC WATER COOLER, ADA COMPLIANT WALL MOUNTED, SPILT LEVEL BOTTLE FILLER STAINLESS STEEL FINISH	2"	1-1/2"	1/2"	-	FIXTURE: ELKAY EZ2STLBSWLK P-TRAP: MCGUIRE 8902 1-1/4" X 1-1/2" STOP: MCGUIRE LF175LK CARRIER: FLOOR MOUNTED CHAIR CARRIER	LOWER BUBBLER HEIGHT 34" AFF			
P5A	S.S. SINK ADA COMPLIANT 21"W X 19" L X 5.5" D, SINGLE BOWL 18 GAUGE STAINLESS STEEL COUNTER MOUNTED, SELF-RIMMING FAUCET WITH 1.5 GPM AERATOR	2"	1-1/2"	1/2"	1/2"	FIXTURE: JUST SL-ADA-2119-A-GR FAUCET: MOEN 8701 STRAINER: MCGUIRE 151 (BASKET) P-TRAP: MCGUIRE 88912 (1-1/2" X 1-1/2") STOPS: MCGUIRE LF175LK	SEE NOTE 1 BELOW. PROVIDE WATER AND WASTE CONNECTIONS FOR ADJACENT DISHWASHER. W= FRONT TO BACK L= LEFT TO RIGHT			
P5B	SINK, A.D.A. COMPLIANT, SINGLE BOWL, STAINLESS STEEL, COUNTER MOUNTED, SELF RIMMING, GOOSENECK FAUCET WITH SPRAY, SINGLE LEVEL (1.5 GPM)	2"	1-1/2"	1/2"	1/2"	FIXTURE: JUST SL-ADA-1921-A-GR 1 HOLE FAUCET: AMERICAN STANDARD 4285 BASKET STRAINER: ZURN Z-8740 P-TRAP: ZURN 8703 (1-1/2"x2", 17 GA.) SUPPLY/STOP: ZURN 8806-XL-LR-LK				
P6	MOP SINK MOLDED COMPOSITE MATERIAL 24" L x 24" W x 10" D WALL MOUNTED FAUCET WITH VACUUM BREAKER, INTEGRAL STOPS AND BUCKET HOOK.	3"	1-1/2"	1/2"	1/2"	MOP BASIN: FIAT MSB-2424 STRAINER: FIAT 1453BB STAINLESS STEEL SERVICE FAUCET: MOEN 8230 P-TRAP: 3" DEEP SEAL TRAP ACCESSORIES: FIAT 889CC MOP HANGER ACCESSORIES: FIAT 832AA HOSE AND BRACKET				
NOTES: 1. PROVIDE PRE-MANUFACTURED INSULATION KIT FOR EXPOSED TRIM UNDER SINK. 2. PROVIDE WALL HUNG WATER CLOSET CARRIER THAT MEETS ASME A112.6.1M OR ASME A112.6.2 AND 1,000 LB. STATIC LOAD RATING. 3. SPECIFIED FAUCET INCLUDES INTEGRAL THERMOSTATIC MIXING VALVE										
APPROVED EQUALS: THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE MODEL WHICH MOST CLOSELY MATCHES THE SPECIFIED PRODUCT. PROVIDE PRODUCTS MADE BY THE MANUFACTURER'S LISTED.		PRODUCT TYPE: VITREOUS CHINA FLUSH VALVES ENAMELED CAST IRON CARRIERS STAINLESS STEEL SINKS FAUCETS WATER COOLERS SUPPLIES, STOPS HOSE BIBBS UTILITY SINKS SHOWER VALVES		ACCEPTED MANUFACTURERS: KOHLER, AMERICAN STANDARD, SLOAN SLOAN, ZURN, DELANEY KOHLER, AMERICAN STANDARD, ZURN ZURN, J.R. SMITH, WADE ELKAY, JUST, ADVANCE TABCO AMERICAN STANDARD, ZURN, CHICAGO ELKAY, HALSEY TAYLOR, HAWES ZURN, MCGUIRE, BRASSCRAFT ZURN, J.R. SMITH, WOODFORD FIAT, FLORESTONE, STERN WILLIAMS AMERICAN STANDARD, CHICAGO, SYMONS						

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3/15/24

CONSTRUCTION DOCUMENTS

3.14.2024

NO.	REASON	DATE

PRINCIPAL IN CHARGE:
Brian Thompson, P.E.

PROJECT MANAGER:
Benjamin Barrier, P.E.

DESIGN TEAM:
Daniel Revilla, P.E.

Skylines Bank Floyd

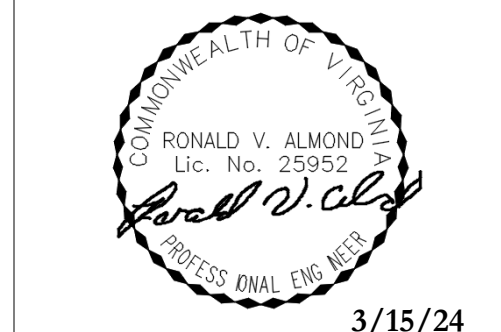
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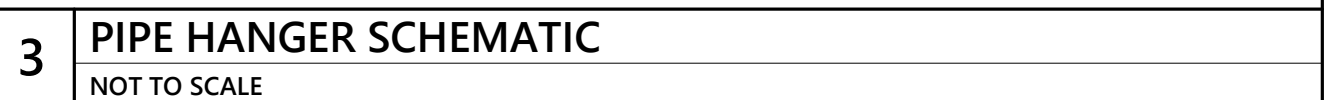
PLUMBING SCHEDULES

P002

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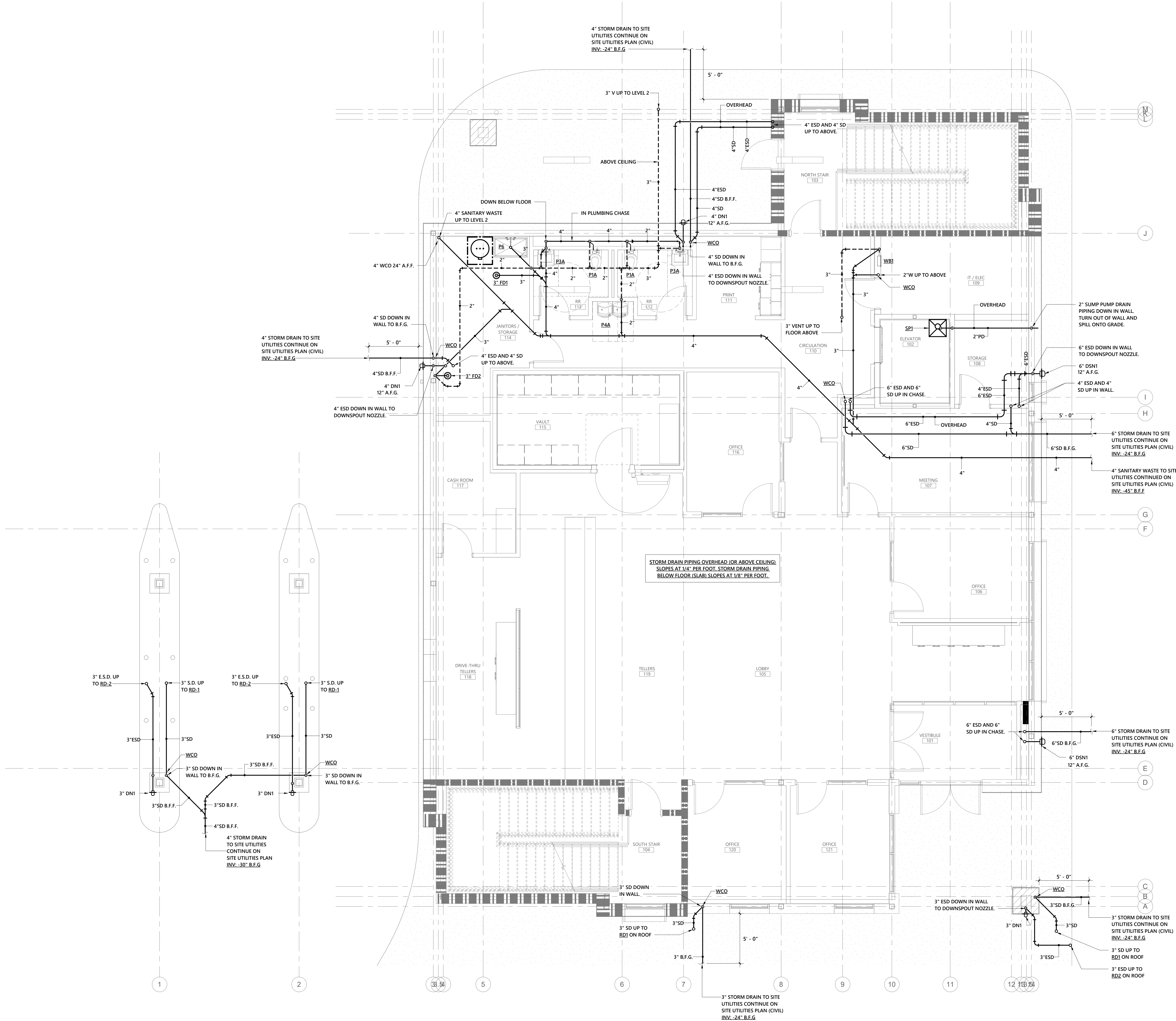
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1 DRAINAGE FLOOR PLAN - LEVEL 01 - PLUMBING
1/4" = 1'-0"



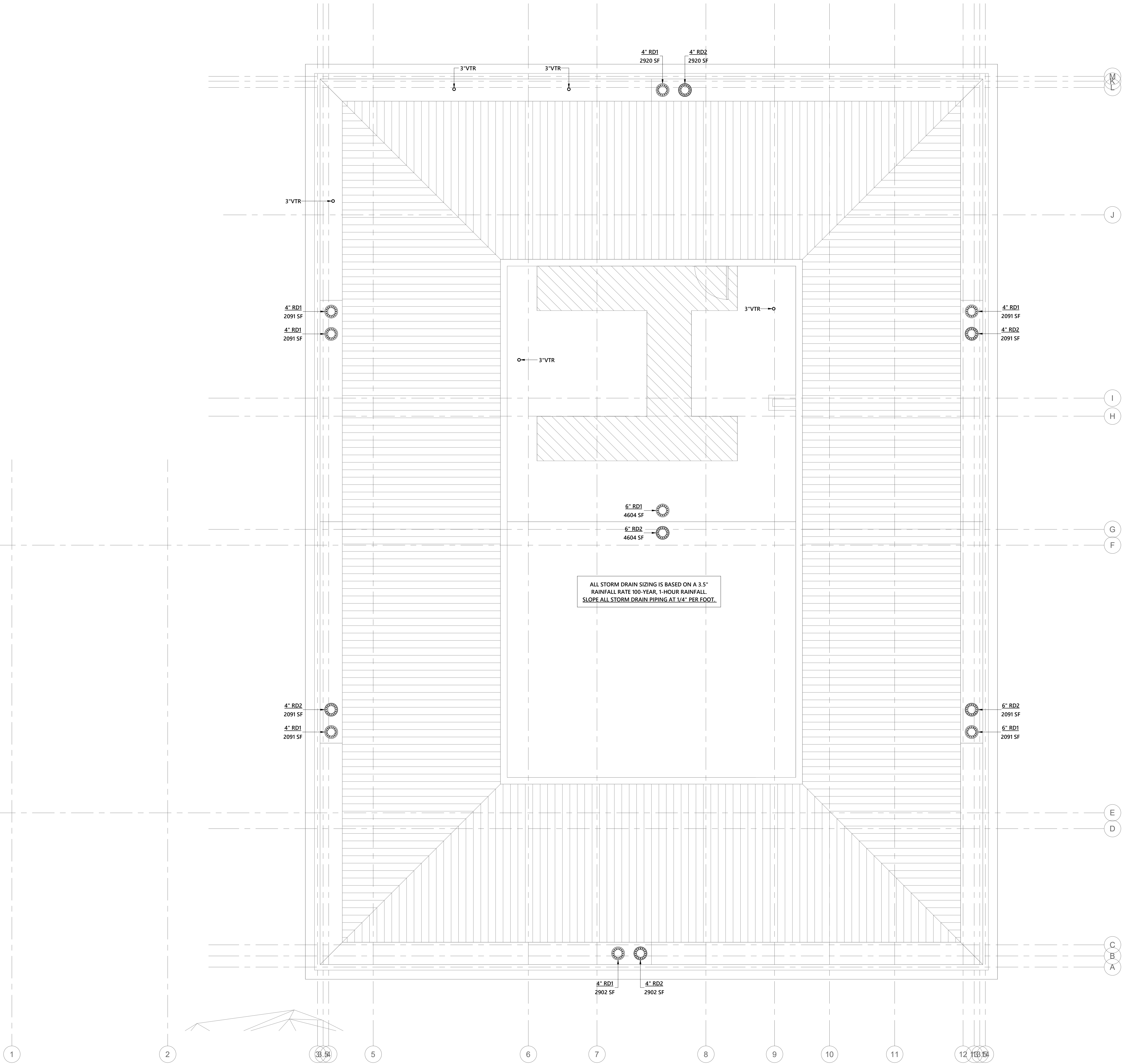
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1 ROOF PLAN - PLUMBING
1/4" = 1'-0"



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3/15/24

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PROJECT MANAGER:
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DESIGN TEAM:
Daniel Revilla, P.E.

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DRAINAGE ROOF PLAN

P103

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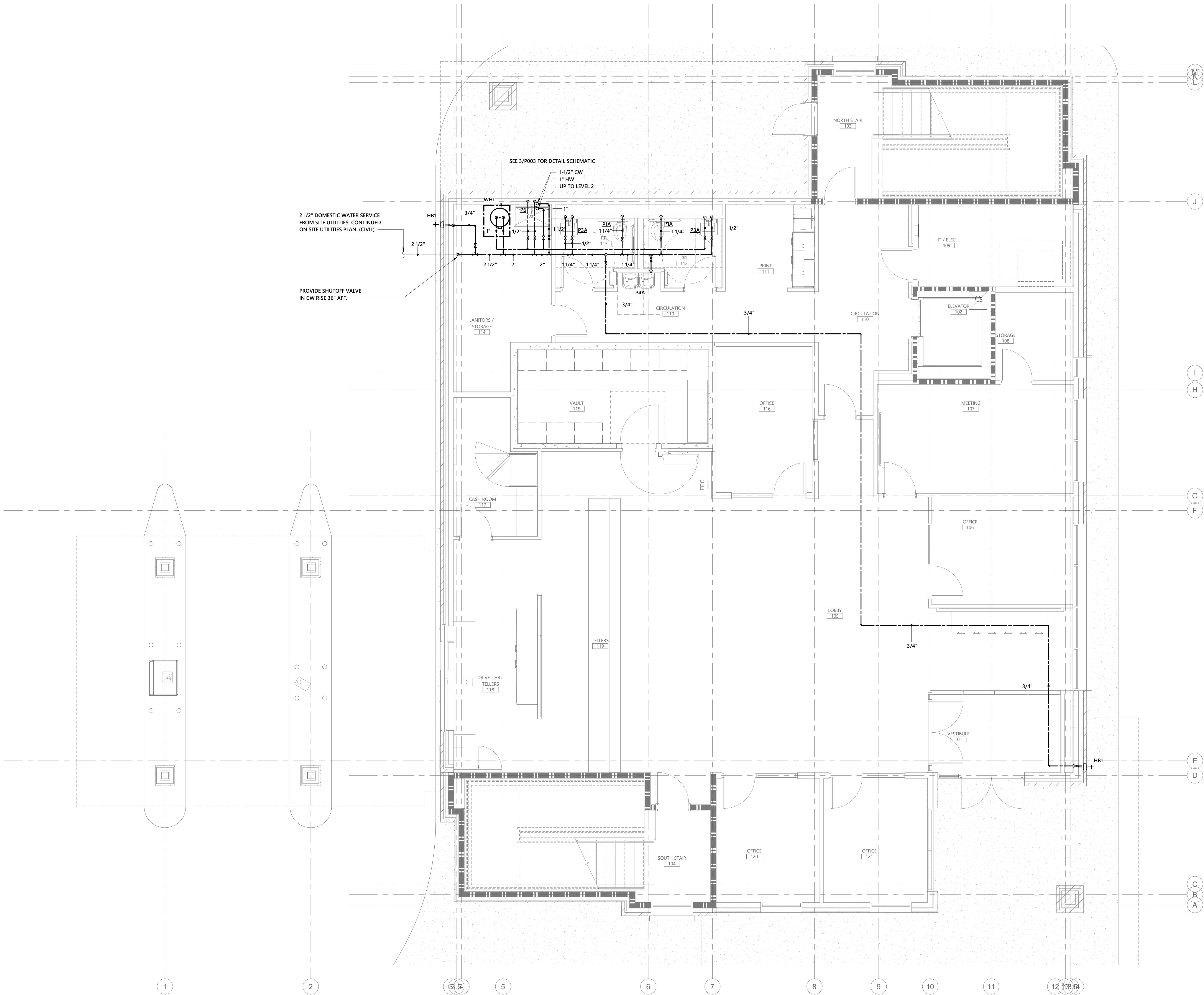
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WATER SUPPLY FLOOR PLAN - LEVEL 01 - PLUMBING

1/4" = 1'-0"



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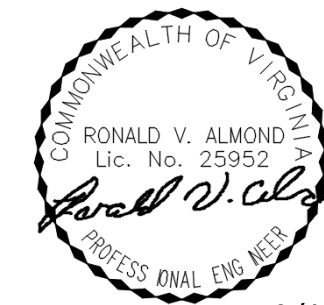
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WATER SUPPLY FLOOR
PLAN - LEVEL 01 -
PLUMBING

P201

OPT PROJECT # 23-0063

1 WATER SUPPLY FLOOR PLAN - LEVEL 02 - PLUMBING
1/4" = 1'-0"