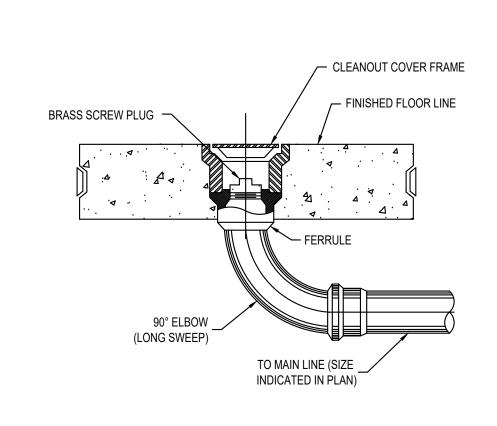
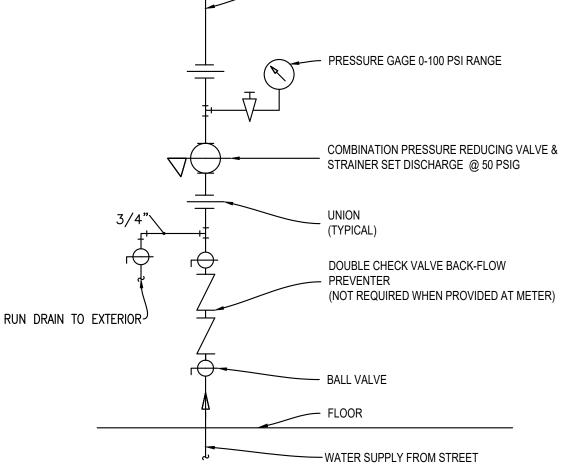
FIXTURE	NUMBER	WFU	TOTAL	_
Kitchen sink, w/grinder	1	4.00	4.00	
Lavatory 1-1/4" Trap	2	1.40	2.80	
Water Closet, Private flush tank	2	2.20	4.40	
TOTAL BUILDING FIXTURE UNITS			11.20	WF
Flow for Flush V	alve System	_	27	GPM
Flow for Flush Tank System			8	GPN
Incoming Size for	Flush Tank	0.75	INCH	
WASTE CA	LCULATIONS			
	NUMBER	DFU	TOTA	L
Kitchen sink, w/grinder	1	2.0	2.0	
Lavatory 1-1/4" Trap	2	1.0	2.0	
Water Closet, Private flush tank	2	6.0	12.0	
TOTAL BUILDING FIXTURE UNI	TS		16.00	x 22
			360.	00 EFFI

3 " @ 1/8" SLOPE

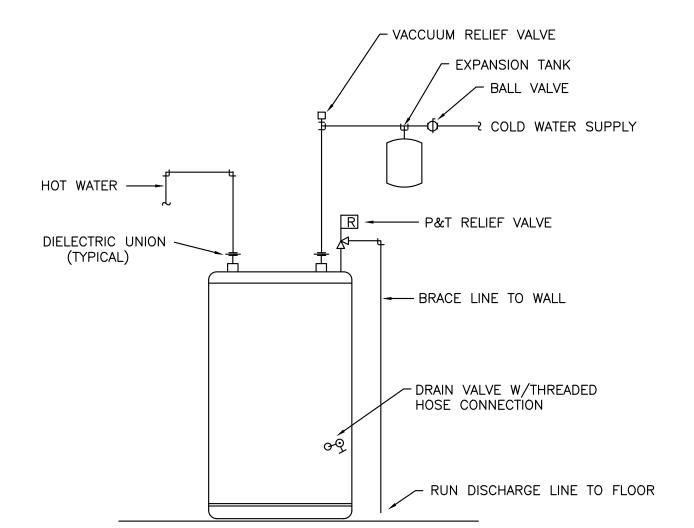
Made	Findons	Manufacturer Model	Description		Piping Connection Sizes				
Mark	Fixture				110° HW	140° HW	Waste	Vent	
P-1H	Water Closet - ADA, Flush Tank	Kohler #K-3589	Floor Mounted, Elongated Bowl, Church 10CT 000 Elongated Toilet Seat, ADA Compliant, 1.6 GPF Water Saving. K-9466-L Left-Hand Trip Lever & K-9470-R right Hand Trip Lever, provide supply tubes and wax rings.	1/2"	-	-	3"	2"	
P-2	Urinal - ADA	Kohler #K-5452-ET-0	Wall Mounted, Commercial Washout, High Eff. K-76318-CP 0.5 gpf washdown urinal	3/4"	-	-	1½"	1½"	
P-4	Lavatory, Wall Mounted - ADA	Kohler #K-2054-0	Wall Mounted, ADA Comp., W/ Symmons #S-9612-STN-1.5 Faucet, W/ Tempering Valve 7-210-CK	1/2"	1/2"	-	1½"	1½"	
P-5b	Kitchen Sink	Kohler #K-4015-1-NA	Taccato [™] 33" x 22" x 6" top-mount double-bowl kitchen sink W/ Peerless P1923LF Single-hole kitchen sink faucet	1/2"	-	1/2"	1½"	1½"	
P-6	Ice Maker Box	QATEY 39140	Metal Icemaker Box with Hammer Arrestor	1/2"	-	-	-	-	
P-7	Bi Level Water Cooler	OASIS P8AC-SL	Wall Hung, ADA, Low on Left	1/2"	-	-	1½"	1½"	
P-8	Washer Box	OATEY 38993	Metal washer box with water hammer arrestors	1/2"	1/2"	-	2"	1/2"	
P-9b	Shower	Symmons BP-56-300-B30	Intergral stops on valve, Hand Shower w/ Hose, Vacuum Breaker, matching shower head	1/2"	1/2"	-	-	-	
FD-1	Floor Drain	Zurn #Z415S	8"x8" Adjustable Nickel Type "S" Strainer & Trap Primer	-	-	-	4"	1½"	
GCO	Grade Clean Out	Zurn #Z1470	Bronze Clean Out Plug	-	-	-	4'	-	
FCO	Floor Clean Out	Zurn #1400	Cast iron body with gas and watertight ABS tapered thread plug and round scoriated cast iron extra-heavy-duty secured top adjustable to finished floor	-	-	-	4"	-	
HB-1	Hose Bibb	Woodford #24C	Mounted at 24" AFF	1/2"	-	-	-	-	
TP-1	Trap Primer	Precision Plumbing #PR-500		1/2"	-	-	-	-	
FPWH-1	Freezeless Wall Hydrant	Woodford #65	Mounted at 24" AFF	3/4"	-	-	-	-	
EWH-1	Electric Water Heater	Rheem PROE20 1 RH POU	20 Gal., 3.0 KW, 240V, 12 GPH @ 100° Rise	1/2"	1/2"	-	-	-	
AAV	Air Admittance Valve	Studor Model 20346	ABS Plastic, White Color/Finish, Pipe Dia. 1 1/2-2 In., For Use With PVC, Threaded Connection. Includes Protective Cover	-	-		-	1½"	

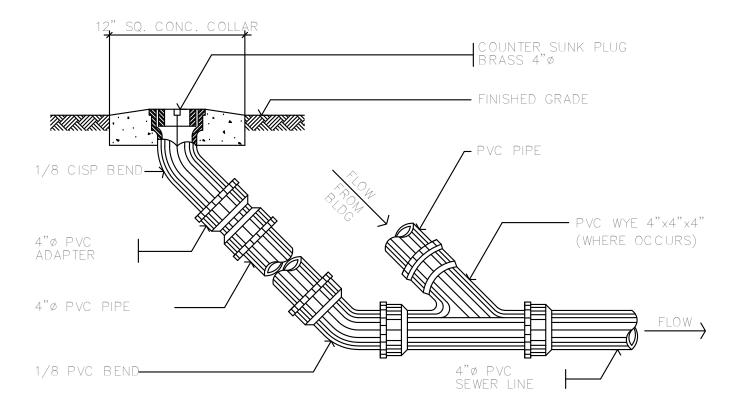




SUPPLY TO BUILDING







GRADE CLEAN-OUT DETAIL



Scale: NONE

REV			DESCR	RIPTION		DATE	BY
PLOT	SCALE:	1:1			PLOT	DATE: 4/20/20	23

Scale: NONE

Plumbing

PLUMBING SPECIFICATIONS

3.1. PLUMBING FIXTURES COMPLETE WITH TRIM.

3.3. HOT AND COLD WATER SERVICE PIPING

COMPLETION AND FINAL INSPECTION.

3.2. SOIL, WASTE AND VENT PIPING.

3.4. NATURAL GAS PIPING

CONDITIONS.

13. PIPING, VALVES AND FITTINGS

13.2.SOIL & WASTE DRAIN PIPING:

CEILING PLENUM RETURN.

WRITTEN INSTRUCTIONS.

TYPE K COPPER TUBING

MATERIALS.

INSTRUCTIONS.

04/18/2023

MINIMIZE ROOF PENETRATIONS.)

1. INTENT: THESE OUTLINE SPECIFICATIONS AND ACCOMPANYING DRAWINGS DESCRIBE SCOPE OF WORK REQUIRED FOR PLUMBING SYSTEMS. INASMUCH AS BIDS WILL BE LIMITED TO SELECTED CONTRACTORS, COMPREHENSIVE SPECIFICATIONS AND DETAILED INSTRUCTIONS ARE DEEMED UNNECESSARY. LABOR AND MATERIAL SHALL BE PROVIDED AS REQUIRED FOR A COMPLETE, WORKMANLIKE INSTALLATION OF ALL

2. DEFINITION: THE WORD "CONTRACTOR" AS USED IN THESE OUTLINE SPECIFICATIONS REFERS TO PLUMBING

4. CODES. PERMITS. AND INSPECTIONS: ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE STATE AND LOCAL CODES AND NFPA RECOMMENDATIONS. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED, GIVE

ALL LEGAL NOTICES, AND HAVE ALL WORK INSPECTED AS REQUIRED BY LOCAL OR STATE LAW. 5. WORKMANSHIP: COMPETENT SKILLFUL WORKMEN SHALL DO ALL WORK IN A FINISHED, THOROUGHLY SUBSTANTIAL AND CRAFTSMANLIKE MANNER. THIS IS INTENDED TO REFER PARTICULARLY TO SMALLER DETAILS NECESSARY BUT USUALLY NOT SPECIFIED OR INDICATED ON THE DRAWINGS. ALL SUB-STANDARD WORK, INSTALLED BY THIS CONTRACTOR, SHALL BE REPLACED BY THIS CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. IF THIS CONTRACTOR DAMAGES EXISTING WORK, HE SHALL PAY THE COST OF

7. PROGRESS OF WORK: DILIGENTLY PERFORM THE WORK AS RAPIDLY AS POSSIBLE. COORDINATE WITH OWNER'S SCHEDULE CLOSELY. UNDER NO CIRCUMSTANCES SHALL THIS CONTRACTOR DELAY THIS

8. EQUIPMENT LOCATIONS: DETERMINE EXACT EQUIPMENT AND MATERIALS LOCATIONS TO PROVIDE BEST

9. EQUIPMENT SUPPORTS: PROVIDE ALL NECESSARY SUPPORTS FOR MOUNTING ALL EQUIPMENT. SUCH SUPPORTS TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER, CARE TAKEN THAT BUILDING

10. INTERFERENCES: PLANS ARE GENERALLY DIAGRAMMATIC. CONTRACTOR SHALL AVOID INTERFERENCES WITH CONDUITS, PIPING, EQUIPMENT, DUCTS, ARCHITECTURAL AND STRUCTURAL WORK. NECESSARY OFFSETS IN PIPES, FITTINGS, ETC., REQUIRED TO PROPERLY INSTALL EQUIPMENT SO AS TO TAKE UP A MINIMUM SPACE SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR AT NO ADDITIONAL EXPENSE

11. UNDERWRITER'S LABORATORIES APPROVAL: ALL EQUIPMENT FURNISHED SHALL BE UL APPROVED AND SHALL BE LABELED OR LISTED BY UL. NO EQUIPMENT SHALL BE APPROVED WHICH FAILS TO MEET THESE

12. HANGERS, SUPPORTS AND ANCHORS: SUPPORT AND FASTEN ALL ABOVE GROUND HORIZONTAL AND

VERTICAL PIPING, EQUIPMENT ETC., SECURELY IN PLACE. SPACE, SECURE AND ADJUST HANGERS WITHOUT DEFLECTION OR SAG. THESE DEVICES SHALL BE FACTORY FABRICATED BY F&M, GRINNELL, ELCEN OR SIMILAR MANUFACTURERS. CHAIN, STRAP, PERFORATED STRAP, WIRE HANGERS OR WOOD PLUGS ARE

PROHIBITED. PROVIDE STEEL SUPPORTS, ANCHORS, FRAMES, BRACING, PLATES, BOLTS, NUTS, WASHERS,

ETC., INCIDENTAL TO INSTALLATION OF WORK AS SPECIFIED OR REQUIRED. SUPPORT EQUIPMENT FROM THE STRUCTURE IN AN APPROVED MANNER. NO PORTION OF THE STRUCTURE SHALL BE OVERSTRESSED BY

THE HANGING OPERATION OR BY THE FINAL SUPPORTS. PROVIDE AUXILLIARY STRUCTURAL MEMBERS WHERE REQUIRED BETWEEN MEMBERS OF THE STRUCTURE. ALL EQUIPMENT, UNLESS SHOWN OTHERWISE, SHALL BE SECURELY ATTACHED TO THE BUILDING STRUCTURE IN AN APPROVED MANNER. ATTACHMENTS

13.1.1. TYPE "L" HARD DRAWN COPPER TUBING WITH SOLDER JOINTS; WROUGHT COPPER FITTINGS; LEAD FREE SOLDER. ALL EXPOSED FIXTURE CONNECTION PIPING SHALL BE CHROME PLATED. (TYPE "K"

13.2.1. BELOW GRADE OR UNDER SLAB: SERVICE WEIGHT CAST IRON, M-G COUPLING, OR COMPRESSION

13.2.2. ABOVE GRADE: CAST IRON "NO-HUB" JOINT SYSTEM, OR SCHEDULE 40 PVC-DWV WHEN NOT IN

13.2.3. VENT PIPING SHALL BE AS DESCRIBED FOR ABOVE GRADE WASTE PIPING. (VENT PER CODE AND

THAT ARE, IN THE OPINION OF THE ENGINEER, INADEQUATE SHALL BE REPLACED AS DIRECTED.

BELOW GRADE). "PEX" MAY BE SUBSTITUTED WITH PRIOR OWNER APPROVAL.

13.1.DOMESTIC HOT AND COLD WATER PIPING (INTERIOR - ABOVE GROUND):

SEAL GASKET SYSTEM OR SCHEDULE 40 PVC-DWV.

MALLABLE IRON FITTINGS OR TYPE K COPPER TUBING

INSULATION TO BE 1" FIBERGLASS WITH ALL SERVICE JACKET.

REQUIREMENTS FOR ALL PLUMBING EQUIPMENT, DEVICES, ETC.

PRESSURE INCOMING SHALL BE 20 PSI WITHOUT BOOSTER EQUIPMENT.

OWNER'S REPRESENTATIVE FOR EXACT LOCATION OF NEW EQUIPMENT.

STRUCTURE IS NOT OVERLOADED, FIRMLY AND RIGIDLY WELDED OR BOLTED IN PLACE.

ARRANGEMENT AND TO FACILITATE PROPER MAINTENANCE AND SERVICING OF EQUIPMENT. DO NOT SCALE

REPLACEMENT OF THE DAMAGED WORK AT NO ADDITIONAL EXPENSE TO THE OWNER. 6. SUPERVISION: CONTRACTOR SHALL CONSTANTLY SUPERVISE THE WORK FROM THE BEGINNING TO

DRAWINGS. COORDINATE CLOSELY WITH G.C. SUPT. AND OWNER.

SYSTEMS SHOWN ON DIAGRAMMATIC DRAWINGS AND/OR AS SPECIFIED HEREIN.

3.5. FINAL PLUMBING CONNECTIONS TO ALL ITEMS REQUIRING PLUMBING SERVICE.

SUB-CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE. 3. SCOPE OF WORK TO BE PROVIDED BY THIS CONTRACTOR INCLUDES:

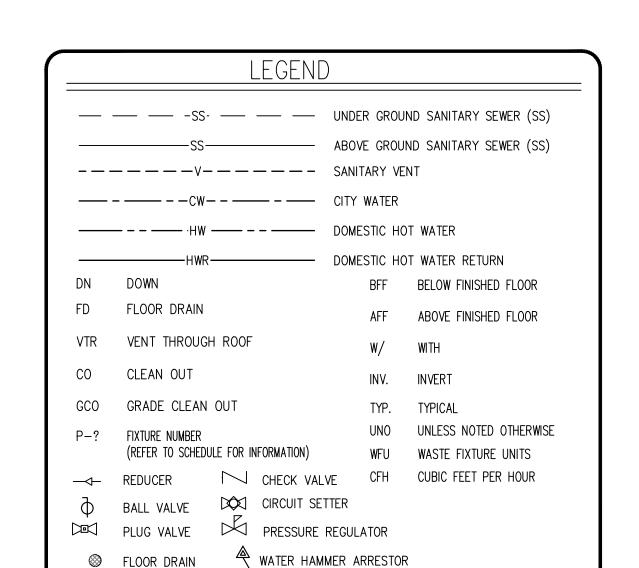
PLUMBING DeBoer & Gabriel Builders, Inc **Legacy at Haw River Apts Clubhouse** Burlington, North Carolina

Notes, Schedules, Legend & Details

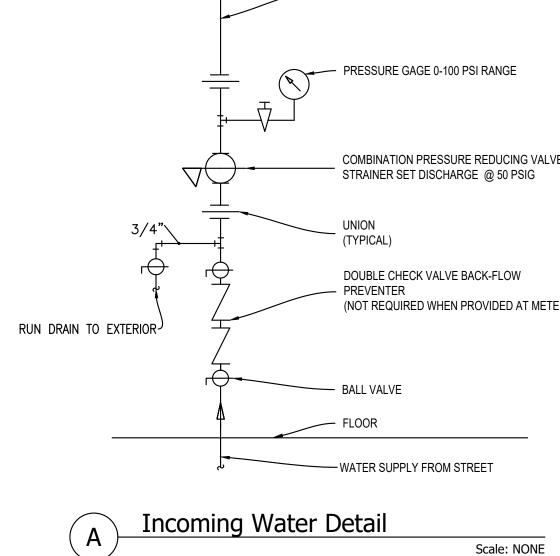
ENGINEERING SERVICES PROVIDED BY HOLLEMAN CORPORATION 6772 KELSEY COURT, GIBSONVILLE, NC 27249

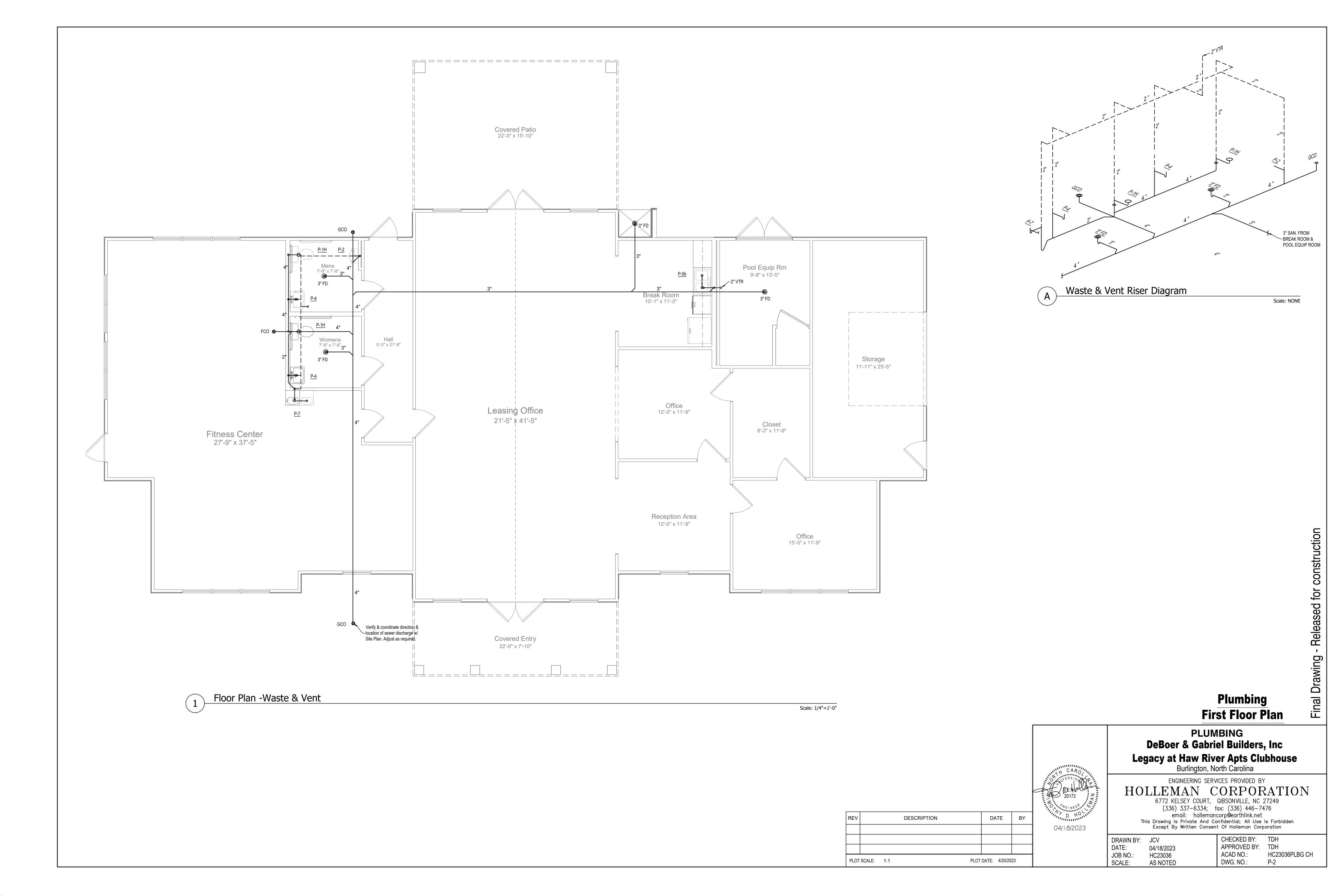
(336) 337–6334; fax: (336) 446–7476 email: hollemancorp@earthlink.net This Drawing Is Private And Confidential; All Use Is Forbidden Except By Written Consent Of Holleman Corporation

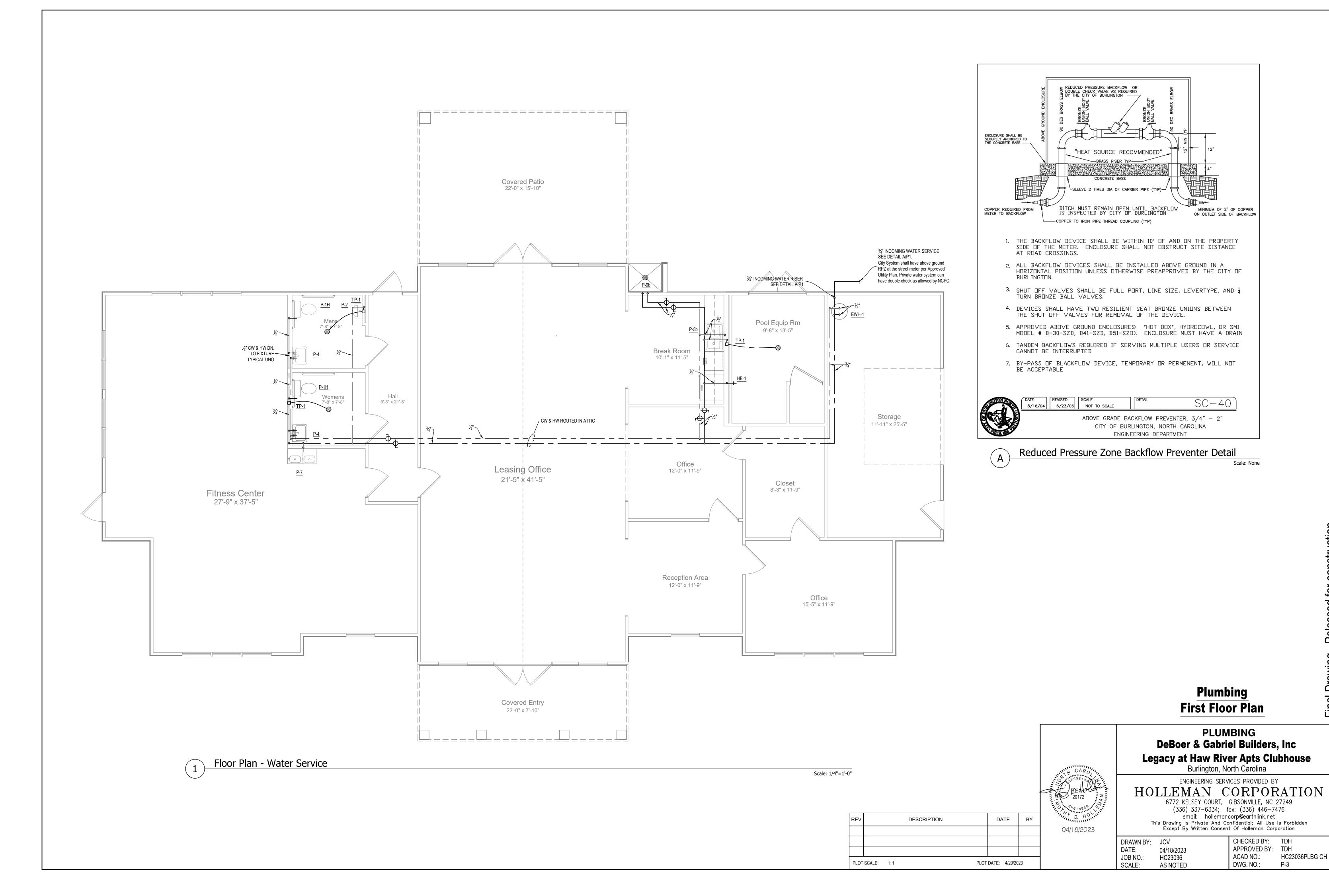
Except by written concent of fronting corporation							
		JCV	02025.5	TDH			
	DATE:	04/18/2023	APPROVED BY:				
	JOB NO.:	HC23036	ACAD NO.:	HC23036PLBG CH			
	SCALE:	AS NOTED	DWG. NO.:	P-1			



CONNECT TO EXISTING







Final Drawing - Released for construction