

PLUMBING GENERAL NOTES

1. DO NOT SHUT DOWN ANY PLUMBING, PIPE PROTECTION, NATURAL GAS, OR RELATED SYSTEMS WITHOUT EXCAVATION OWNERS PRIOR WRITTEN APPROVAL. FOLLOW ALL OWNER REQUIREMENTS AND SHUT DOWN PROCEDURES AS WELL AS ALL REQUIREMENTS OF THIS PROJECT. PROVIDE 7 DAYS NOTICE PRIOR TO SHUTTING DOWN.
2. IF REQUIRED, COORDINATE ALL SHUT DOWNS AND TIE-INS DURING OFF HOURS TO AVOID DISRUPTION OF BUILDING SYSTEMS. COORDINATE ALL SHUT DOWN REQUIREMENTS PRIOR TO SUBMITTING BID (INCLUDE ALL REQUIRED DURING OFF HOURS IN BID).
3. PROVIDE ALL WORK IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL CODES. OBTAIN ALL REQUIRED PERMITS.
4. PROVIDE ALL REQUIRED EXCAVATION, BACKFILL AND COMPACTION FOR ALL UNDERGROUND WORK.
5. FIELD VERIFY EXACT LOCATION, DEPTH, COMPOSITION AND CONDITION OF ALL PIPING, VALVES AND SYSTEMS AS REQUIRED FOR WORK OF THE CONTRACT.
6. PROVIDE CUTTING, CORING AND PATCHING OF ALL WALLS, SLABS AND DECKS AS REQUIRED FOR WORK SCHEDULED. COORDINATE ALL WORK WITH OWNER AND GENERAL CONTRACTOR AND ALL TRADES.
7. PROVIDE SCHEDULE 40 BLACK STEEL PIPE SLEEVES FOR ALL UNDERGROUND PIPING PASSING THROUGH OR UNDER FOOTINGS, WALLS, FOUNDATION WALLS, SLABS FLOORS AND/OR UNDERGROUND STRUCTURES.
8. WHERE PIPING IS LOCATED OVER FOOTINGS AND/OR OTHER UNDERGROUND STRUCTURES, ROLL DOWN AS REQUIRED TO CONNECT TO SYSTEMS NOTED. PROVIDE ALL REQUIRED OFFSETS, FITTINGS AND CONNECTIONS.

- 2018 NORTH CAROLINA BUILDING CODE
- 2018 NORTH CAROLINA MECHANICAL CODE
- 2018 NORTH CAROLINA FIRE CODE
- 2018 NORTH CAROLINA PLUMBING CODE
- 2018 NORTH CAROLINA ENERGY CONSERVATION CONSTRUCTION CODE
- ACCESSIBLE AND USABLE BUILDING AND FACILITIES-CABO/ANSI A117.1
- 2017 NATIONAL ELECTRIC CODE
- 2016 NFPA 13: STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

<u>BT</u>	BATH TUB	<u>MS</u>	MOP SINK
<u>CO</u>	CLEANOUT	<u>NF</u>	NON-FREEZE HOSE BIB
<u>CS</u>	CUP SINK	<u>P</u>	PUMP
<u>CV</u>	CONTROL VALVE	<u>OS</u>	OIL SEPARATOR
<u>DF</u>	DRINKING FOUNTAIN	<u>S</u>	SINK
<u>DPCO</u>	DECK PLATE CLEANOUT	<u>SA</u>	SHOCK ABSORBER (WATER HAMMER ARRESTOR)
<u>DWH</u>	DOMESTIC WATER HEATER	<u>SS</u>	SERVICE SINK
<u>DWP</u>	DOMESTIC WATER PUMP	<u>SH</u>	SHOWER
<u>EJ</u>	EXPANSION JOINT	<u>SP</u>	SUMP PUMP
<u>ET</u>	EXPANSION TANK	<u>SRV</u>	SAFETY RELIEF VALVE
<u>EWCO</u>	ELECTRIC WATER COOLER	<u>SWP</u>	SEWAGE PUMP
<u>EWS</u>	EMERGENCY EYEWASH/SHOWER	<u>TK</u>	WATER TANK
<u>FI</u>	FILTER	<u>UR</u>	URINAL
<u>HB</u>	HOSE BIBB	<u>WC</u>	WATER CLOSET
<u>KS</u>	KITCHEN SINK	<u>WCO</u>	WALL CLEANOUT
<u>LAV</u>	LAVATORY	<u>WS</u>	WATER SOFTENER
<u>M</u>	METER		

AC	PERCENT	FA	FREE AREA	NIC	NOT IN CONTRACT
AD	ALTERNATING CURRENT	FIN	FINISHED	NO	NORMALLY OPEN
ADJ	ADJACENT	FL	FLOOR	NPT	NATIONAL PIPE THREAD
AF	ABOVE FINISHED FLOOR	FLA	FULL LOAD AMPS	NRS	NON-RISING STEM
AFG	ABOVE FINISHED GRADE	FSM	FEET PER MINUTE	NTS	NOT TO SCALE
ALT	ALTERNATE	FPS	FEET PER SECOND	OC	ON CENTER
AMB	AMBIENT	FT	FOOT OR FEET	OD	DIAMETER, OUTSIDE
AMP	AMPERE (AMP AMPS)	FUT	FUTURE	OS&Y	OUTSIDE SCREW AND YOKES
APPROX	APPROXIMATE (LY)	ANSI	AMERICAN NATIONAL STANDARD INSTITUTE	PS	PLUMBING CONTRACTOR
		GAL	GALLONS	PLB	PLUMBING
AVG	AVERAGE	GC	GENERAL CONTRACTOR	PH	PHASE (ELECTRICAL)
BFP	BACKFLOW PREVENTER	GPM	GALLONS PER MINUTE	PRESS	PRESSURE
BHP	BRAKE HORSEPOWER	GPD	GALLONS PER DAY	PSF	POUNDS PER SQUARE FOOT
BLDG	BUILDING	GPH	GALLONS PER HOUR	PSI	POUNDS PER SQUARE INCH
BO	BOTTOM OF	HD	HEAD	PSI GAUGE	PSI GAUGE
BSMT	BASEMENT	HG	MERCURY	PRV	PRESSURE REDUCING VALVE
BTU	BRITISH THERMAL UNIT	HORIZ	HORIZONTAL	RCVR	RECEIVER
BV	BALANCING VALVE	HP	HORSEPOWER	RECIRC	RECIRCULATE
CAP	CAPACITY	HPC	HIGH PRESSURE CONDENSATE	RHW	HOT WATER RE-CIRCULATION
CAS	CAST IRON PIPE	HPS	HIGH PRESSURE STEAM	RO	ROUGH OPENING
CLG	CEILING	HR	HOUR	RPD	REDUCED-PRESSURE DETECTOR ASSY.
CLR	CLEAR	HVAC	HEATING, VENTILATING, AND AIR CONDITIONING	RPM	REVOLUTIONS PER MINUTE
COL	CLEANOUT or CARBON MONOXIDE	HZ	HERTZ	RPH	REDUCED-PRESSURE ZONE
CO	COLUMN	ID	DIAMETER, INSIDE	RFZ	STEAM CAPTURE HOOD
CONC	CONNECTION	INCH	INCH	SPEC	SPECIFICATION
CONC	CONCRETE	INSUL	INSULATION	SPLY	SUPPLY
CONT	CONTINUOUS	INT	INTERIOR	SQ	SQUARE
CU FT	CUBIC FEET	IPS	IRON PIPE SIZE	SQ FT	SQUARE FOOT (FEET)
CV	VALVE FLOW COEFFICIENT	INV	INVERT	SO IN	SQUARE INCH (INCHES)
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY	KW	KILOWATT	STD	STANDARD
DCV	DETECTOR CHECK VALVE	KWH	KILOWATT HOUR	SUCT	SUCTION
DCW	DOMESTIC COLD WATER	LBS	POUNDS	TSTAT	THERMOSTAT
DEMO	DEMOLISH or DEMOLITION	LF	LINEAR FEET	TBD	TO BE DETERMINED
DHW	DOMESTIC HOT WATER	LG	LENGTH	TC	TEMPERATURE CONTROL CONTRACTOR
DI	DIAMETER	LOC	LOCATION	TD	TEMPERATURE DIFFERENCE
DIP	DUCTILE IRON PIPE	LPC	LOW PRESSURE CONDENSATE	TEMP	TEMPERATURE
DWH	DOMESTIC WASTE WATER	LPS	LOW PRESSURE STEAM	TMV	THERMOSTATIC MIXING VALVE
DWV	DRAIN, WASTE, & VENT	LRA	LOCKED ROTOR AMPS	TOP	TOP OF
DRAWING	DRAWING	LWT	LEAVING WATER TEMPERATURE	TYP	TYPICAL
(E)	EXISTING	MATL	MATERIAL	V	VOLT
ENGR	ENGINEER	MAX	MAXIMUM	VACU	VACUUM
EQ	EQUAL	MBH	BTU PER HOUR (THOUSAND)	VAR	VARIABLE
EST	ESTIMATED	MECH	MECHANICAL	VEL	VELOCITY
ETR	EXISTING TO REMAIN	MFG	MANUFACTURER	VER	VERIFY IN FIELD
EWH	ELECTRIC WATER HEATER	MIN	MINIMUM	VOL	VOLUME
EXT	ENTERING WATER TEMPERATURE	MISC	MISCELLANEOUS	W	WASTE
EX	EXISTING	MOPP	MAXIMUM OVERCURRENT PROTECTING	W/	WITH
EXIST	EXISTING	MPC	MEDIUM PRESSURE CONDENSATE	W/O	WITH OUT
EXP	EXPANSION	MPS	MEDIUM PRESSURE STEAM	WCI	WALL CLEANOUT
EXT	EXTERIOR	MTG	MOUNTING	WHA	WATER HAMMER ARRESTOR
F	DEGREES FAHRENHEIT	N/A	NOT APPLICABLE	WM	WATER METER
		NC	NORMALLY CLOSED	WPD	WATER PRESSURE DROP
				WT	WEIGHT
				WTP	WORKING WATER PRESSURE

P001	PLUMBING LEGEND SHEET
P002	OVERALL LEVEL 1 PLUMBING PLAN
P0101	DEMOLITION PLUMBING PLAN - BLDG A & B
P0102	DEMOLITION PLUMBING PLAN - BLDG C
P101	LEVEL 1 DOMESTIC WATER PLAN - BLDG A & B
P102	LEVEL 1 DOMESTIC WATER PLAN - BLDG C
P103	LEVEL 1 DOMESTIC WATER PLAN - ADDITION A & B
P201	LEVEL 1 SANITARY/WASTE PLAN - BLDG A & B
P202	LEVEL 1 SANITARY/WASTE PLAN - BLDG C
P203	LEVEL 1 SANITARY/WASTE PLAN - ADDITION A & B
P401	PLUMBING ENLARGED/ISOMETRIC PLANS
P501	PLUMBING DETAILS & SCHEDULES

NOTE:
SOME ABBREVIATIONS MAY NOT BE USED ON DRAWINGS

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195 SPRINGBROOK AVE. CLAYTON, NC

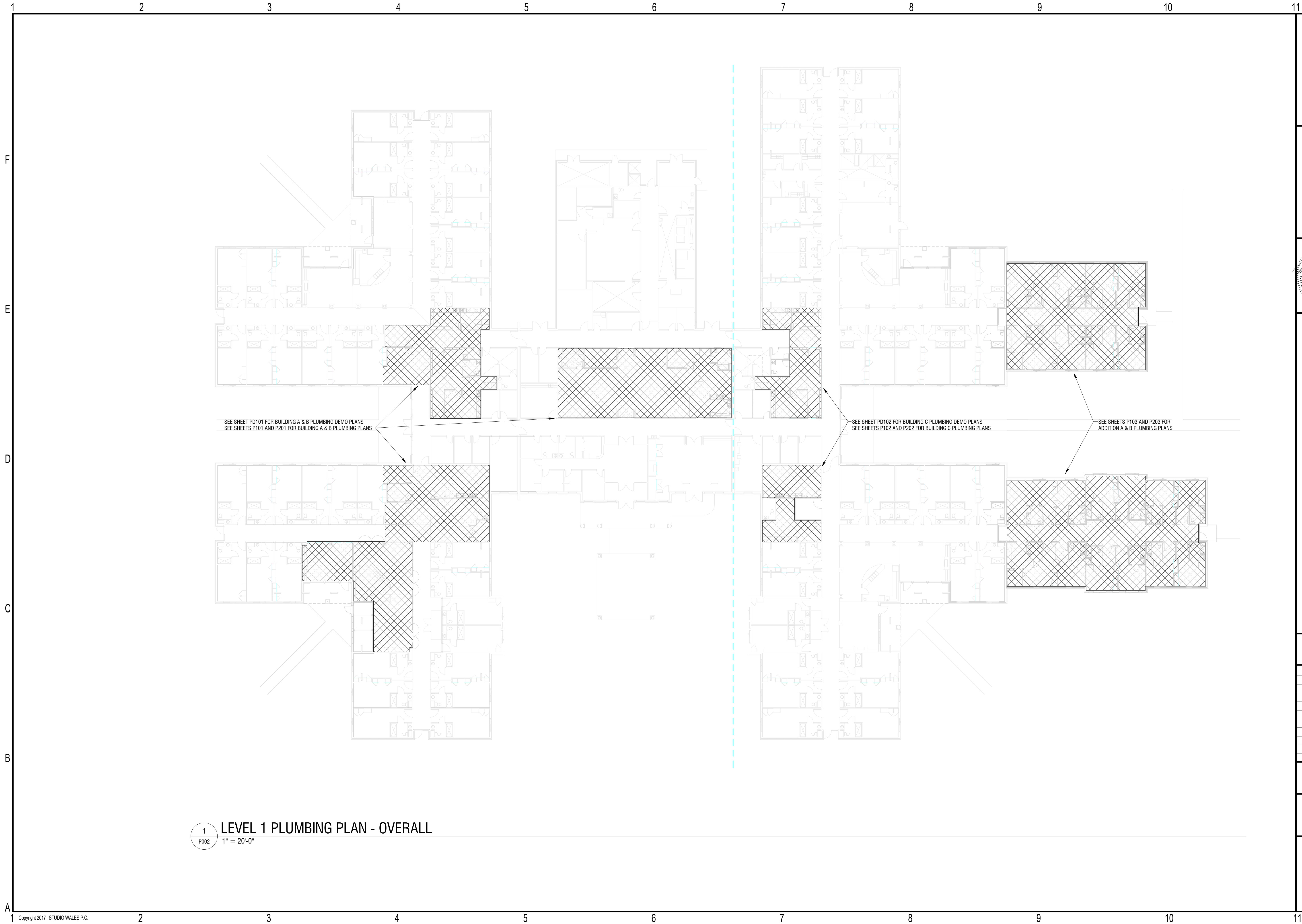
FOR CONSTRUCTION

Commission: NH-3138

Sheet title: PLUMBING LEGEND SHEET

Sheet number

P001



1
P002

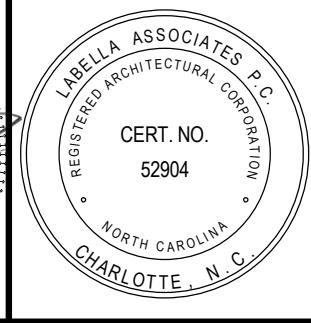
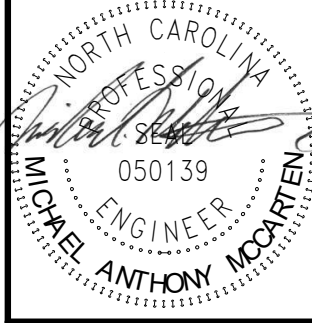
LEVEL 1 PLUMBING PLAN - OVERALL

1" = 20'-0"

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architecture

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01.30.2026

**SPRINGBROOK NURSING AND
REHABILITATION CENTER
ADDITION**

195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

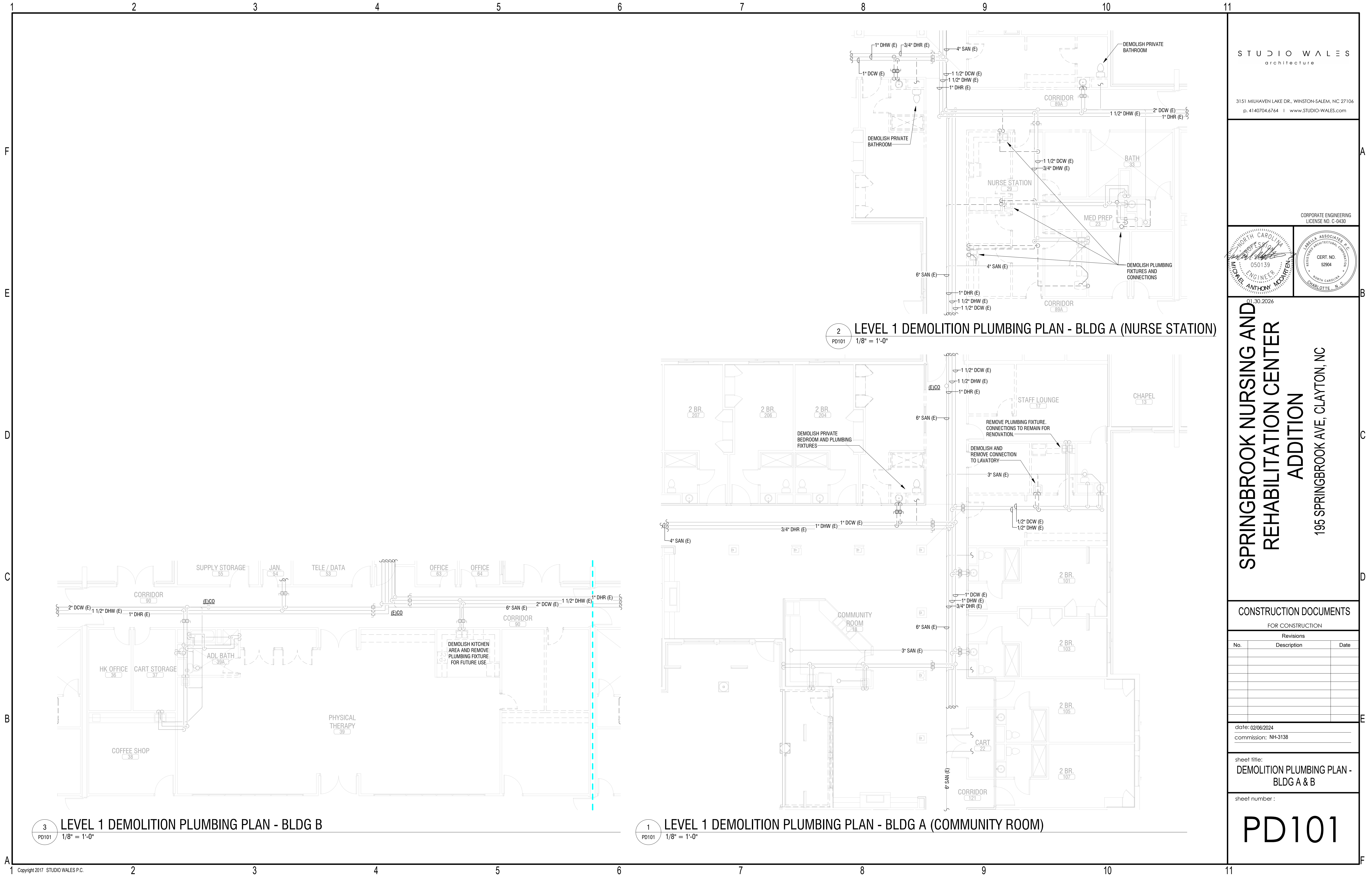
Revisions		
No.	Description	Date

date: 02/06/2024
commission: NH-3138

sheet title:
**OVERALL LEVEL 1 PLUMBING
PLAN**

sheet number :

P002



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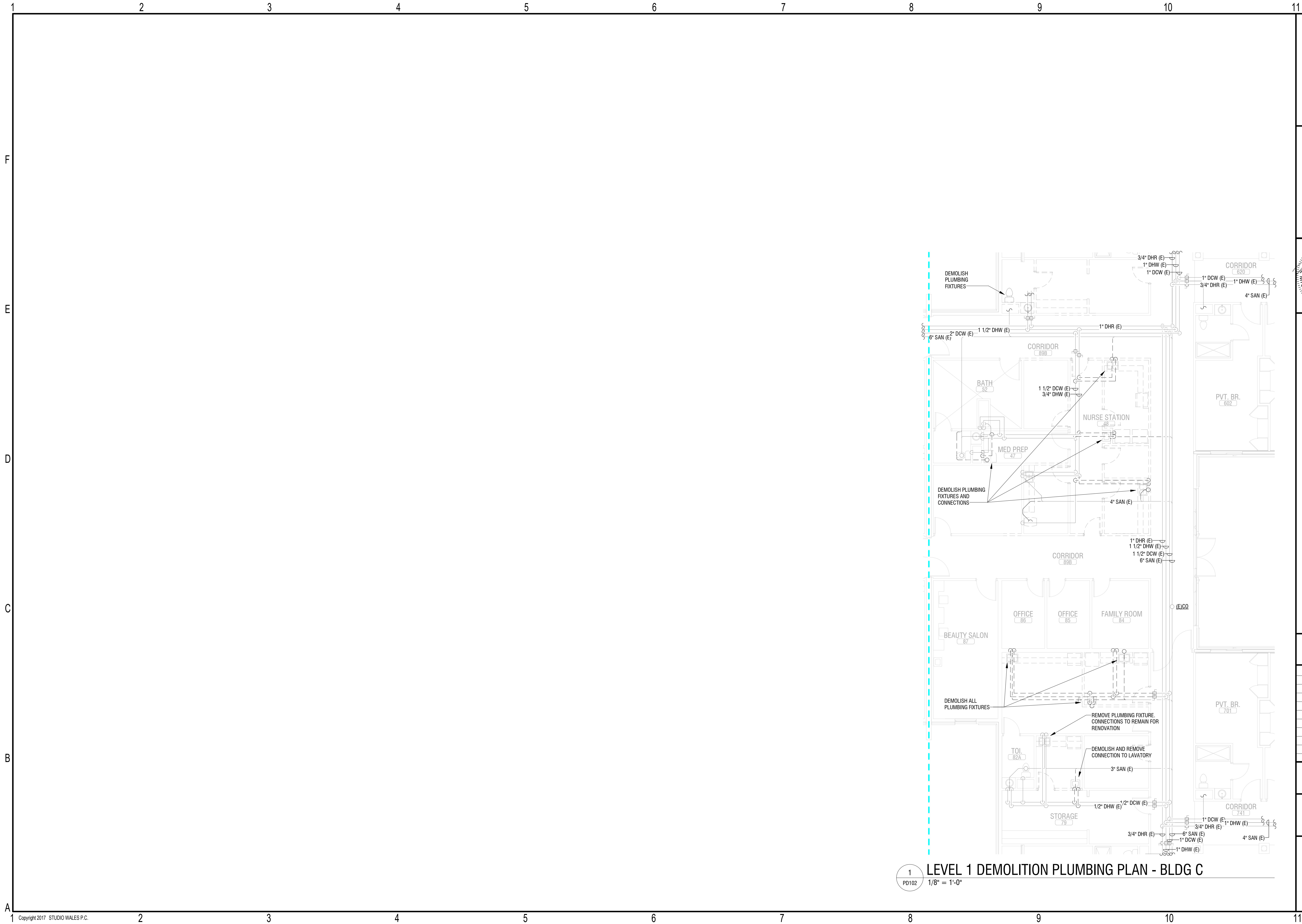
date: 02/06/2024

commission: NH-3138

sheet title:
DEMOLITION PLUMBING PLAN -
BLDG A & B

sheet number :

PD101

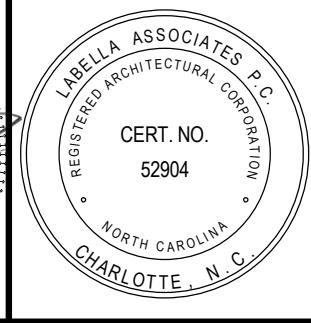
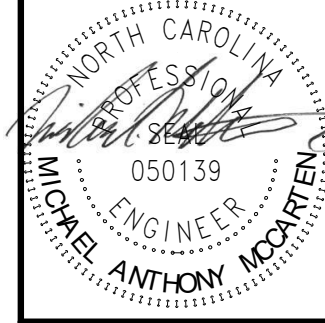


1
PD102
LEVEL 1 DEMOLITION PLUMBING PLAN - BLDG C
1/8" = 1'-0"

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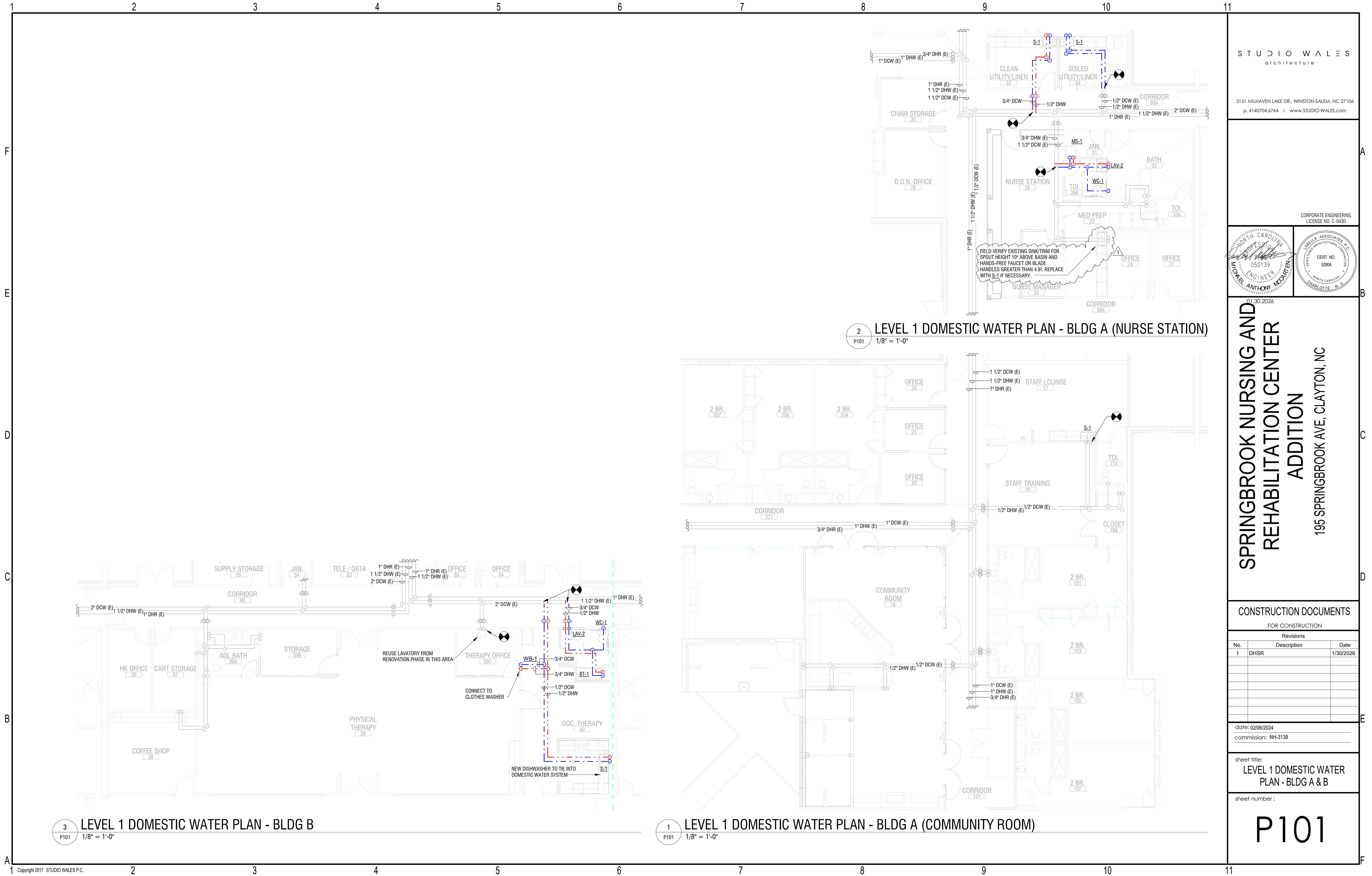
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commission: NH-3138

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DEMOLITION PLUMBING PLAN -
BLDG C

sheet number:

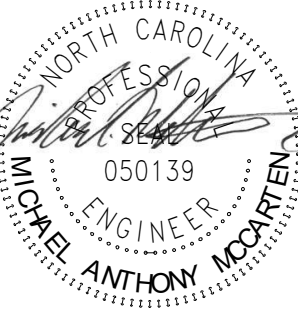
PD102



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Revisions		
No.	Description	Date
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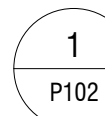
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commission: NH-3138

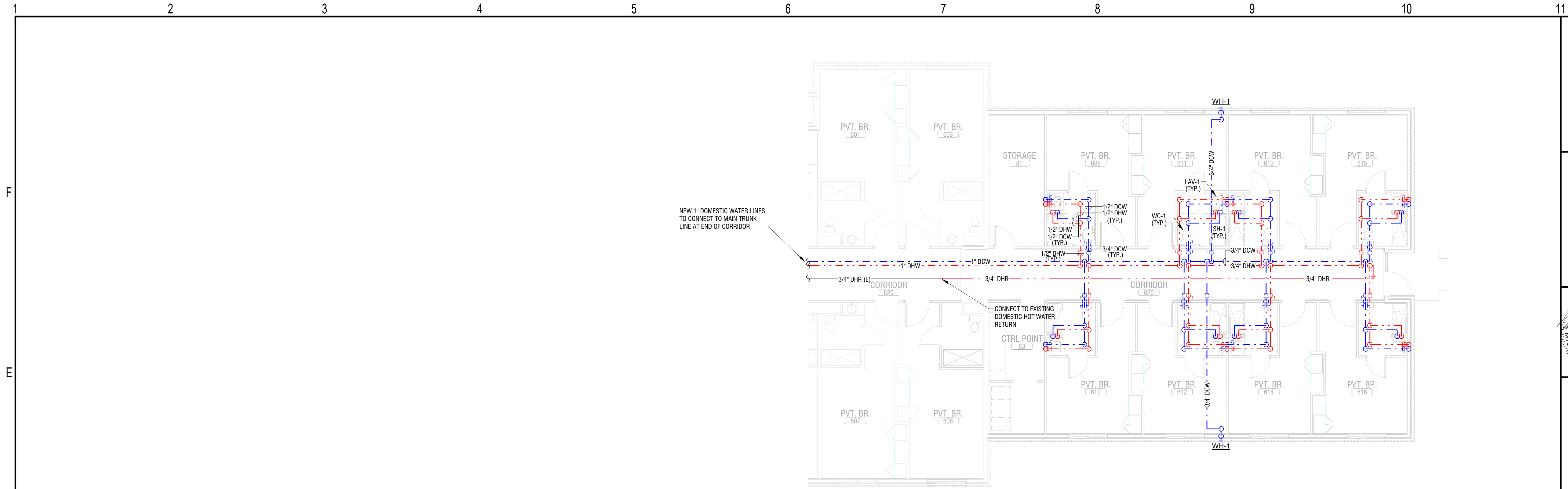
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LEVEL 1 DOMESTIC WATER
PLAN - BLDG A & B

sheet number :

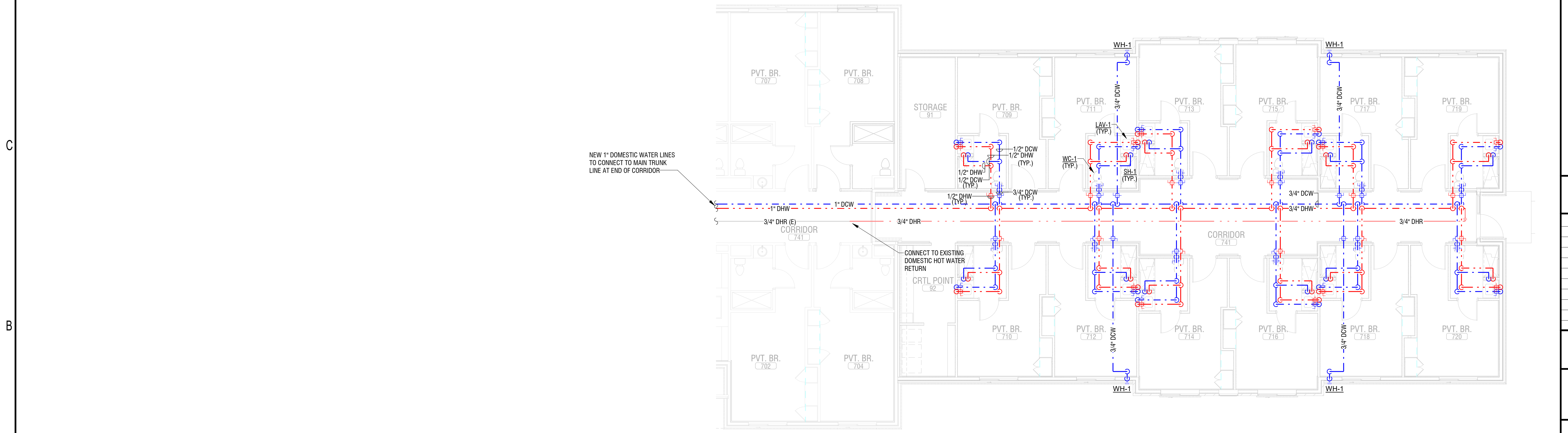
P101


$$1/8'' = 1'-0''$$

P102



1
P103
LEVEL 1 DOMESTIC WATER PLAN - ADDITION A
1/8" = 1'-0"



2
P103
LEVEL 1 DOMESTIC WATER PLAN - ADDITION B
1/8" = 1'-0"

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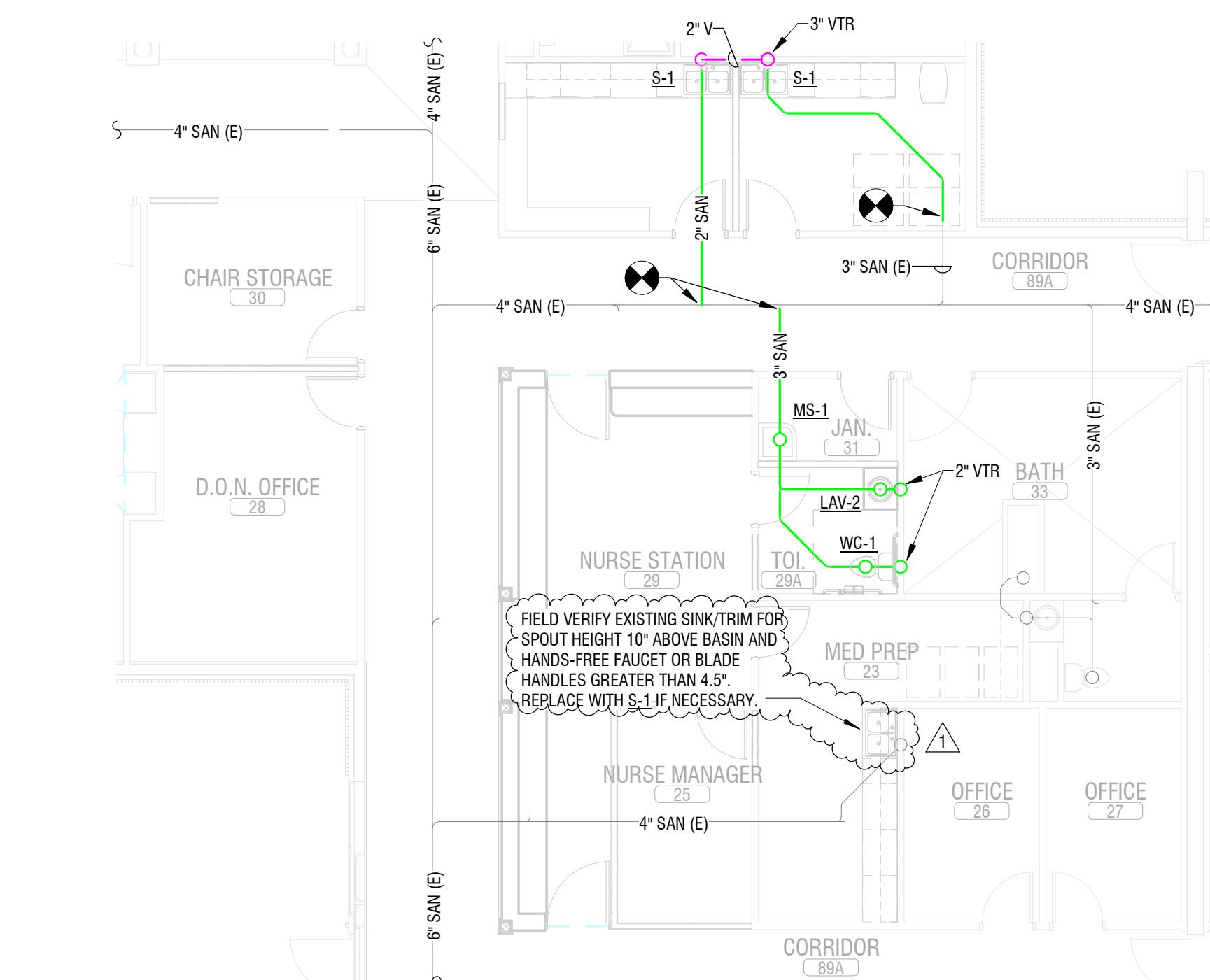
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Revisions		
No.	Description	Date

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commission: NH-3138

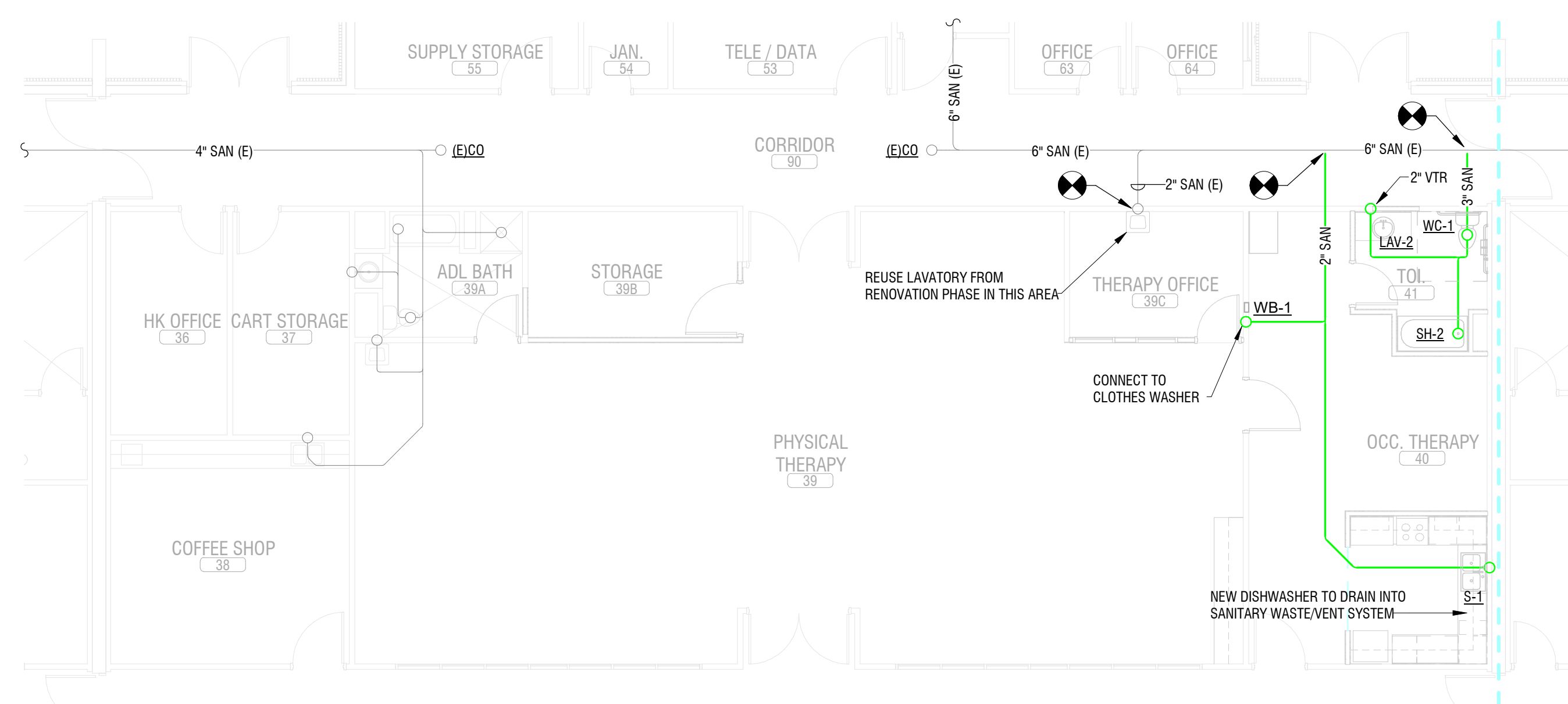
sheet title:
LEVEL 1 DOMESTIC WATER
PLAN - ADDITION A & B

sheet number :
P103



2 LEVEL 1 SANITARY/WASTE PLAN - BLDG A (NURSE STATION)
P201 1/8" = 1'-0"

1 LEVEL 1 SANITARY/WASTE PLAN - BLDG A (COMMUNITY ROOM)
 P201 1/8" = 1'-0"

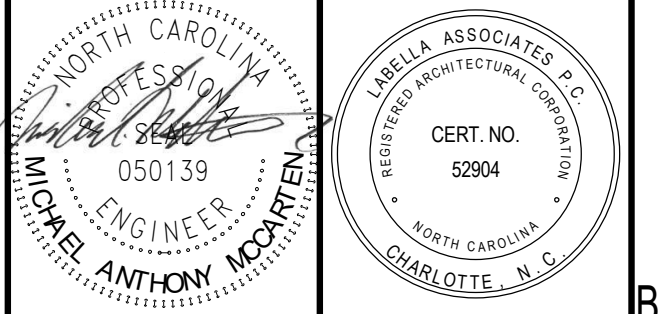


3 LEVEL 1 SANITARY/WASTE PLAN - BLDG B
P201 1/8" = 1'-0"

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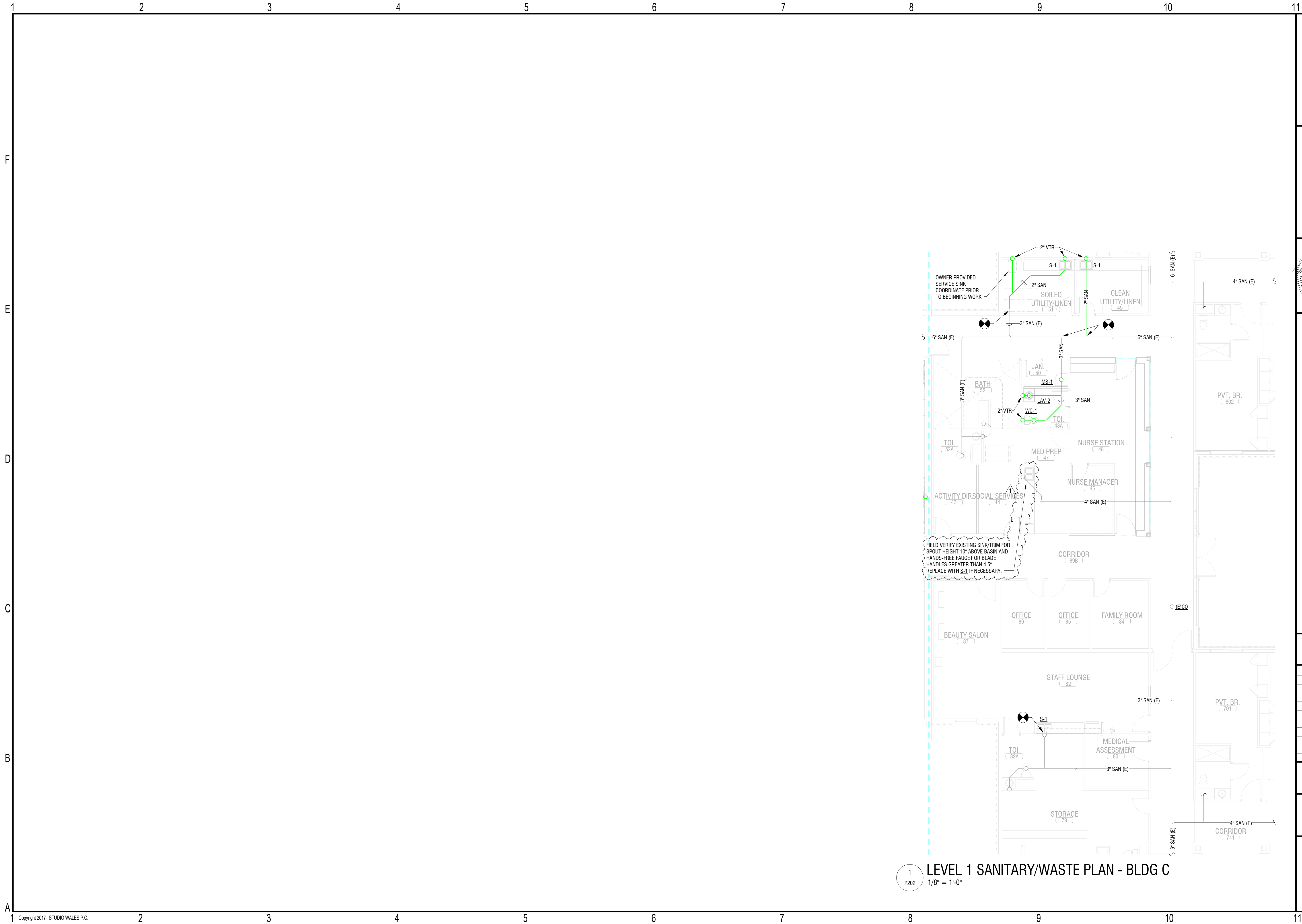
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LEVEL 1 SANITARY/WASTE
PLAN - BLDG A & B

sheet number :

P201



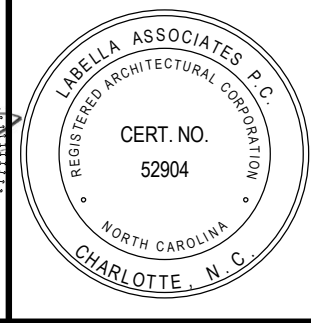
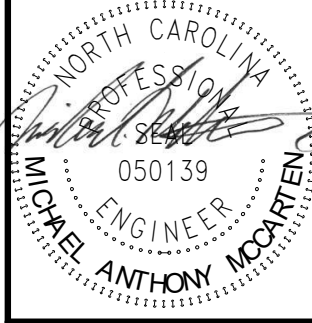
1
P202

LEVEL 1 SANITARY/WASTE PLAN - BLDG C
1/8" = 1'-0"

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CONSTRUCTION DOCUMENTS

Revisions		
No.	Description	Date
1	DHSR	1/30/2026

date: 02/06/2024
commission: NH-3138

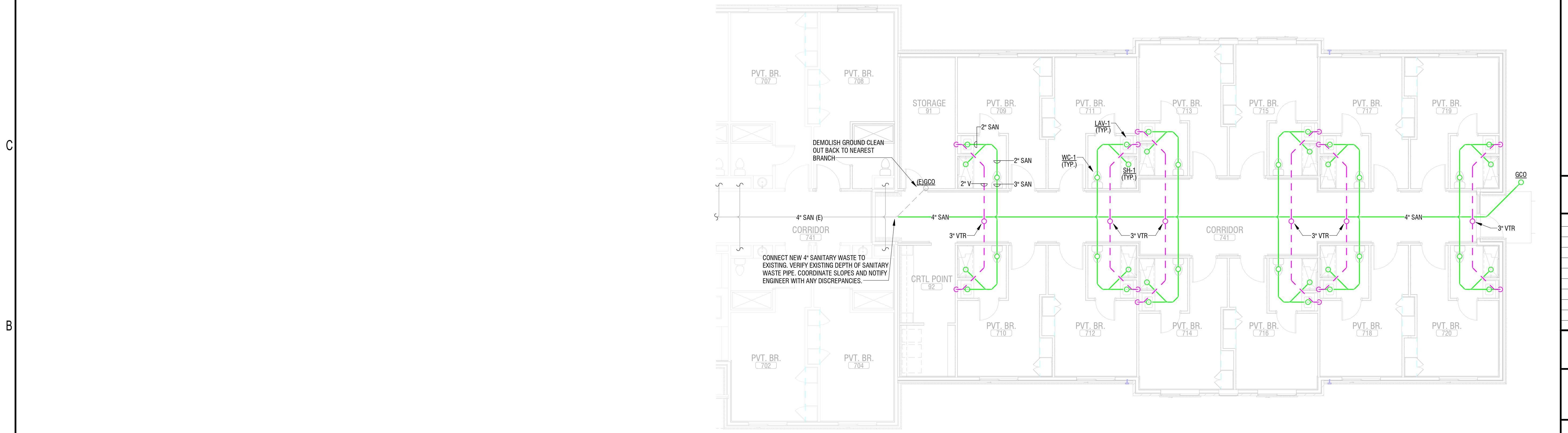
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LEVEL 1 SANITARY/WASTE
PLAN - BLDG C

sheet number :

P202



1
P203
LEVEL 1 SANITARY/WASTE PLAN - ADDITION A
1/8" = 1'-0"



2
P203
LEVEL 1 SANITARY/WASTE PLAN - ADDITION B
1/8" = 1'-0"

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STATE OF NORTH CAROLINA
Professional Engineer
050139
MICHAEL ANTHONY MCKINLEY

SEAL & ASSOCIATES, P.C.
CERT. NO. 52804
NORTH CAROLINA
CHARLOTTE, N.C.

01.30.2026

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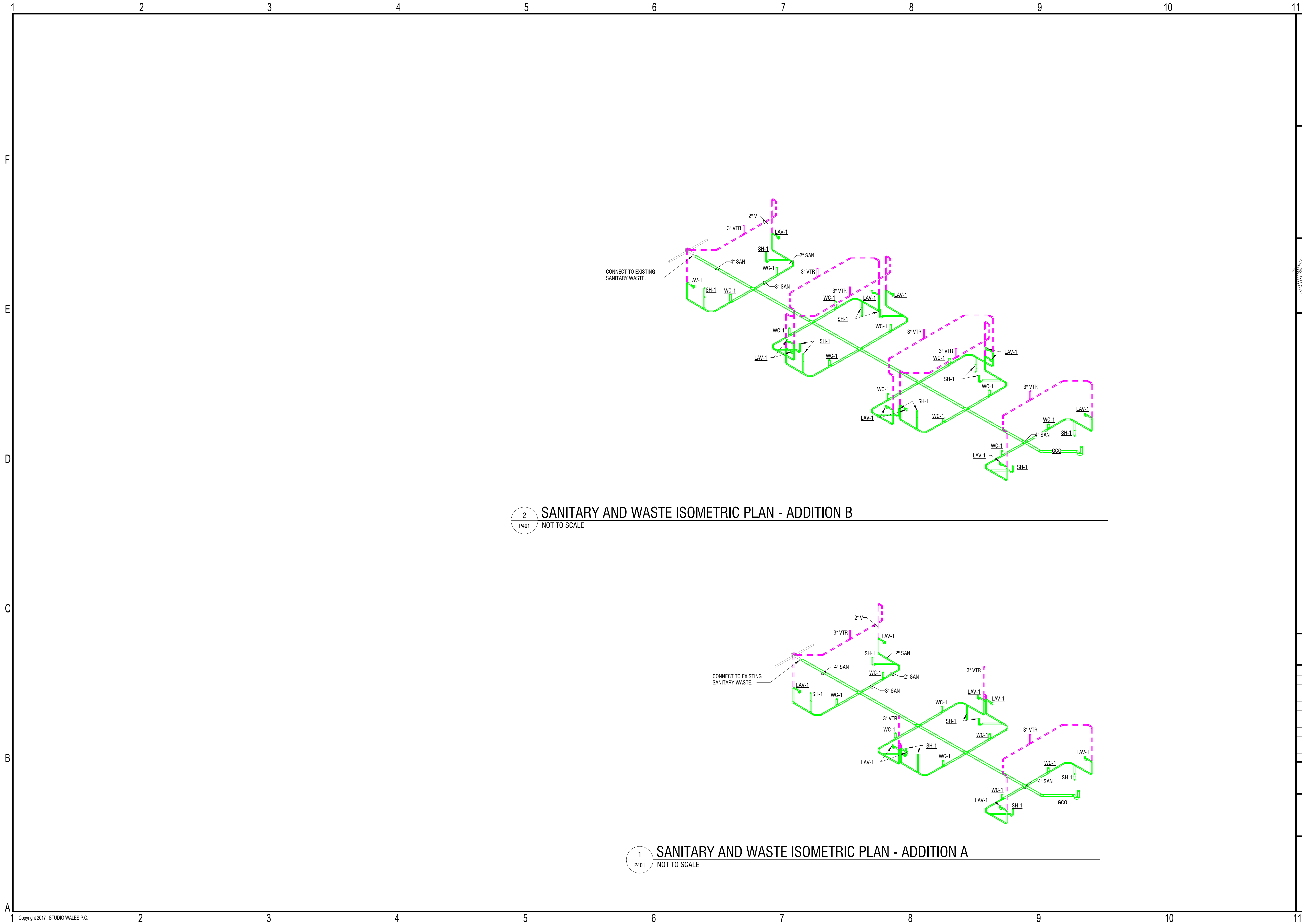
Revisions		
No.	Description	Date

date: 02/06/2024
commission: NH-3138

sheet title:
LEVEL 1 SANITARY/WASTE
PLAN - ADDITION A & B

sheet number :

P203



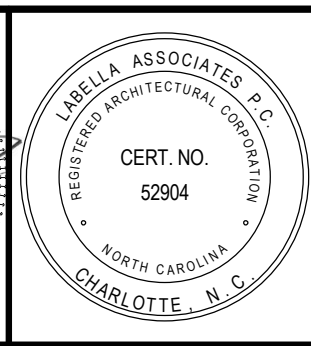
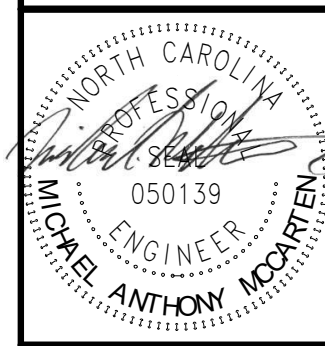
2 SANITARY AND WASTE ISOMETRIC PLAN - ADDITION B
NOT TO SCALE

1 SANITARY AND WASTE ISOMETRIC PLAN - ADDITION A
NOT TO SCALE

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ADDITION**
195 SPRINGBROOK AVE, CLAYTON, NC

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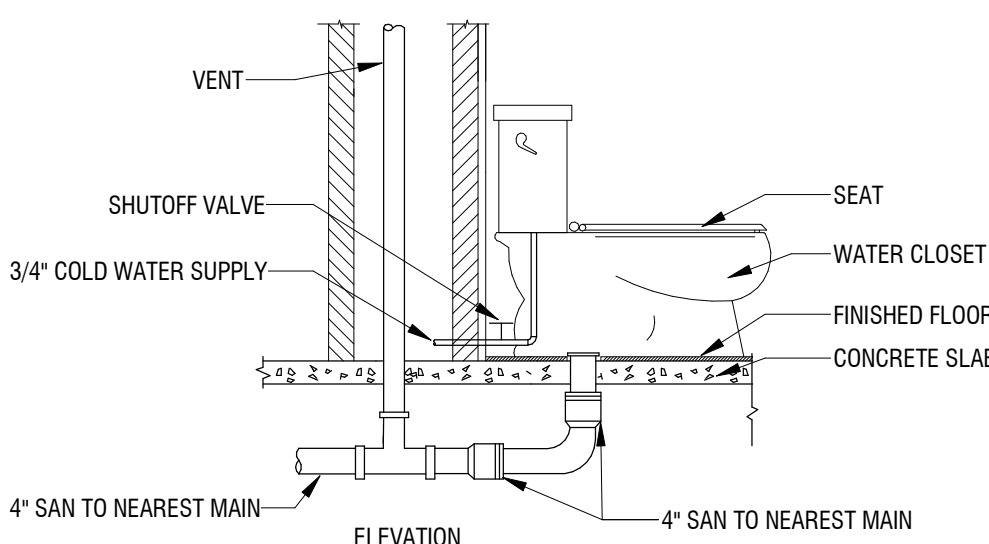
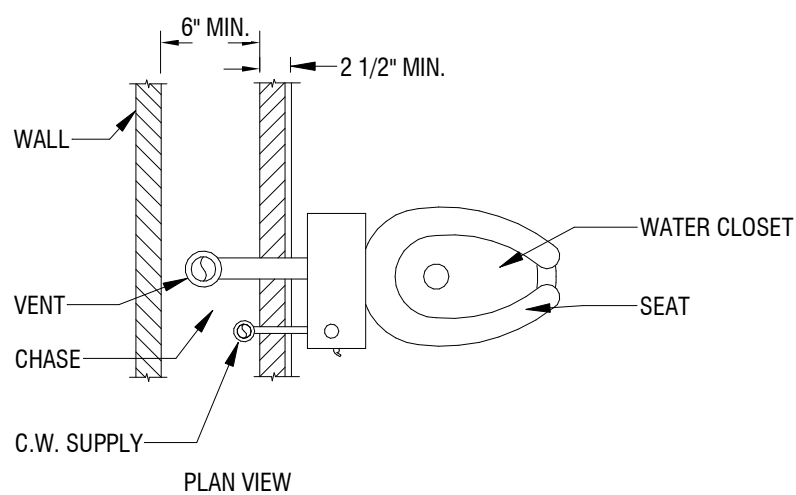
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commission: NH-3138

sheet title:
**PLUMBING
ENLARGED/ISOMETRIC PLANS**

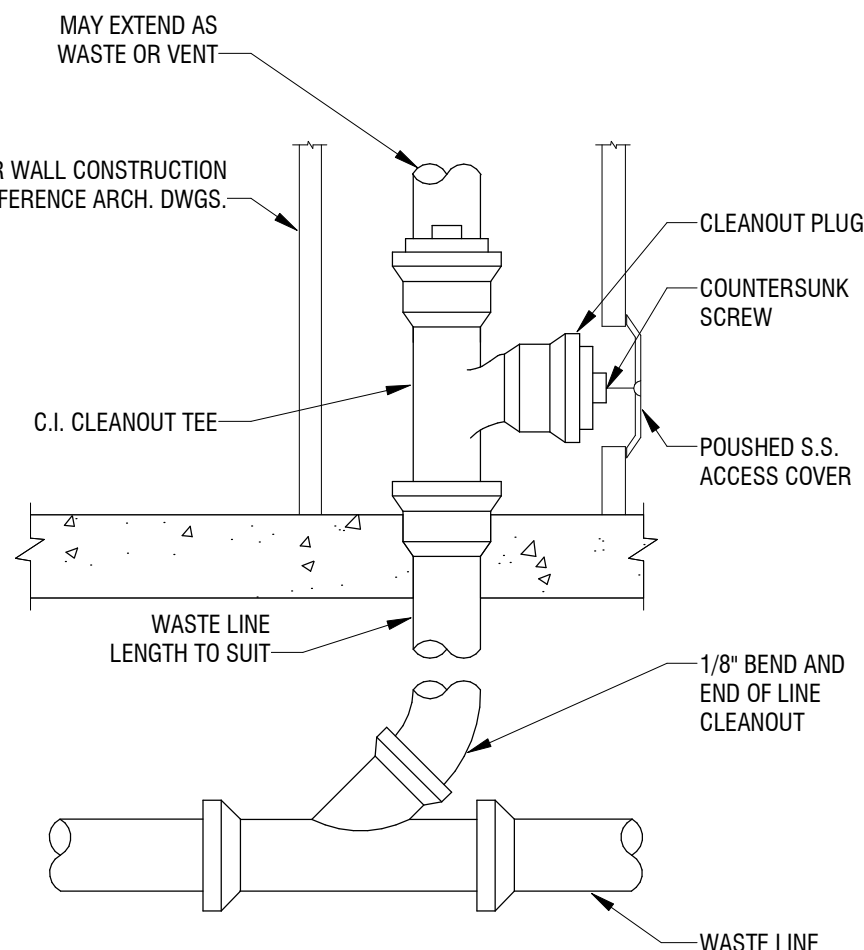
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P401

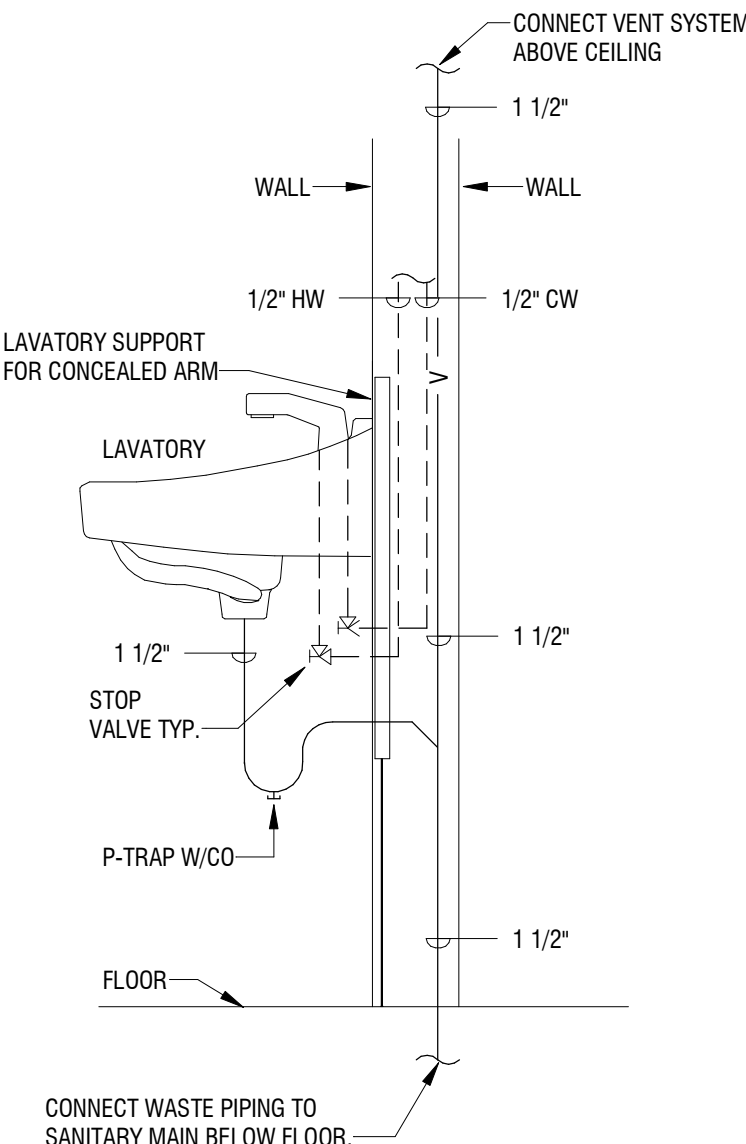
PLUMBING FIXTURE SCHEDULE									
MARK	TRIM	COLD	HOT	SAN/W	VENT	SUPPORT	REMARKS	MANUFACTURER	MODEL
BT-1	CHICAGO FAUCET SH-PB1-00-044	1/2"	1/2"	2"	2"	FLOOR SUPPORT	ADA	AMERICAN STANDARD	2963102
LAV-1	AMERICAN STANDARD 2506821.002	1/2"	1/2"	2"	2"	COUNTERTOP	ADA	AMERICAN STANDARD	0643008.020
LAV-2	AMERICAN STANDARD 2506821.002	1/2"	1/2"	2"	2"	COUNTERTOP	ADA	AMERICAN STANDARD	0476028.020
LAV-3	AMERICAN STANDARD 7053.105	1/2"	1/2"	1-1/2"	1-1/2"	WALL CARRIER	ADA	TOTO	LT307
MS-1	DELTA 28T9	1/2"	1/2"	3"	2"	FLOOR SUPPORT	-	AMERICAN STANDARD	7741000.020
S-1	ELKAY LK300LGN08T6	1/2"	1/2"	2"	2"	CABINET	ADA	ELKAY	D23319
SH-1	CHICAGO FAUCET SH-PB1-00-044	1/2"	1/2"	2"	2"	FLOOR SUPPORT	ADA	STERLING	62060103-0
WB-1	-	1/2"	1/2"	2"	2"	WALL SUPPORT	-	OATEY	38529
WC-1	-	3/4"	-	3"	2"	FLOOR SUPPORT	ADA	AMERICAN STANDARD	231AA.104
WH-1	-	3/4"	-	-	-	WALL SUPPORT	-	WOODFORD	MODEL 67
									NOTES
									60" x 30" FIBERGLASS TUB
									DROP-IN BATHROOM LAVATORY, 3 HOLE FAUCET
									DROP-IN BATHROOM LAVATORY, 3 HOLE FAUCET
									SINGLE HOLE, WHITE, VITREOUS CHINA, BATTERY POWERED FAUCET, PROVIDE MIXING VALVE SET TO 105°F
									28" CAST IRON UTILITY SINK, SINGLE FAUCET
									STAINLESS STEEL 33"x19"x6-7/16" DROP IN SINK, 3 HOLE 6" GOOSENECK SPOUT AND 6" WRISTBLADE HANDLES
									GRAB BARS, FOLDING SHOWER SEAT, CENTER DRAIN LOCATION
									-
									1.28GPF, VITREOUS CHINA, WHITE, CLOSED FRONT SEAT ADA HEIGHT
									-



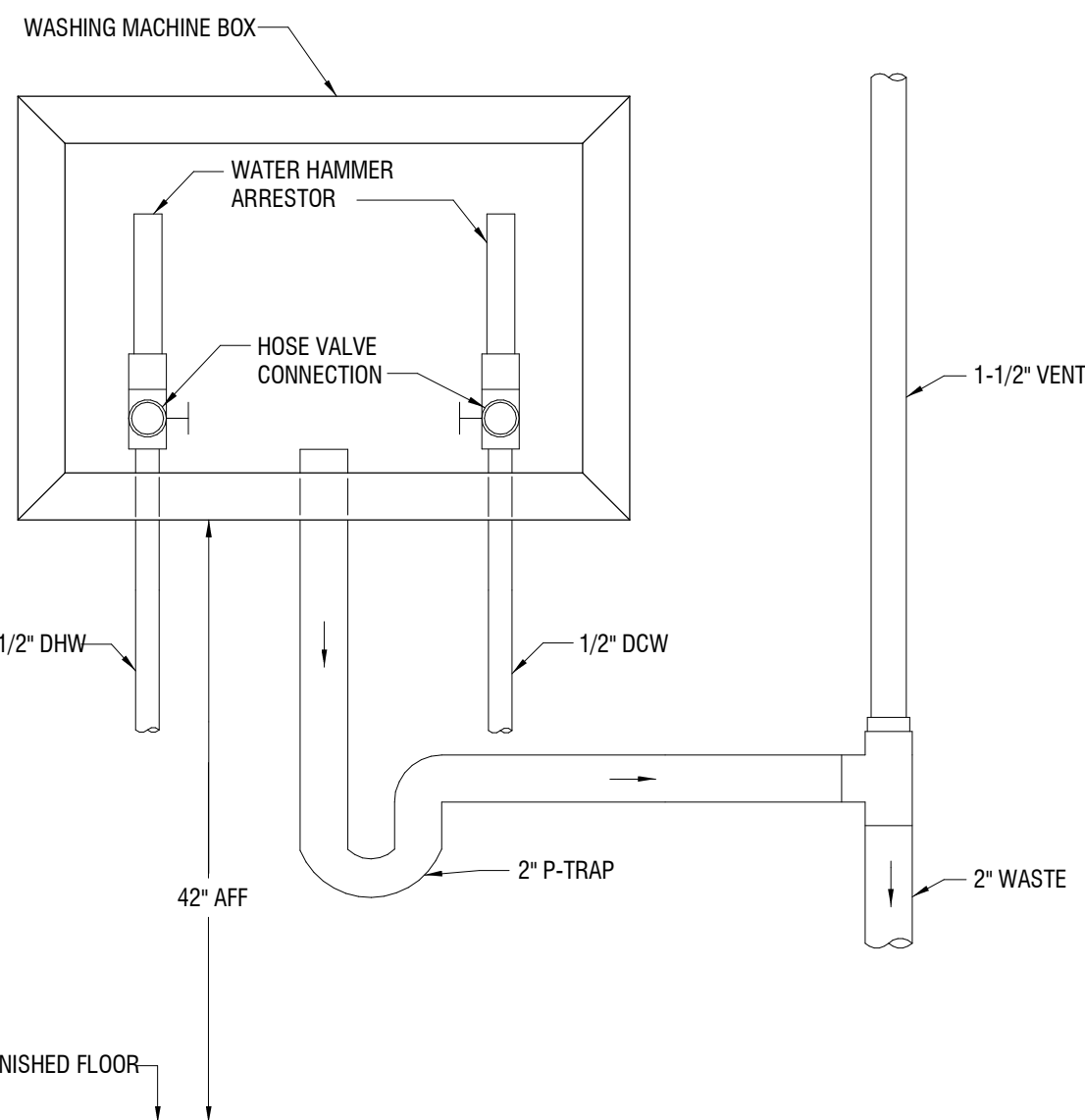
6
P501
PLB - WATER CLOSET - FLR MTD- TANK DETAIL
NOT TO SCALE



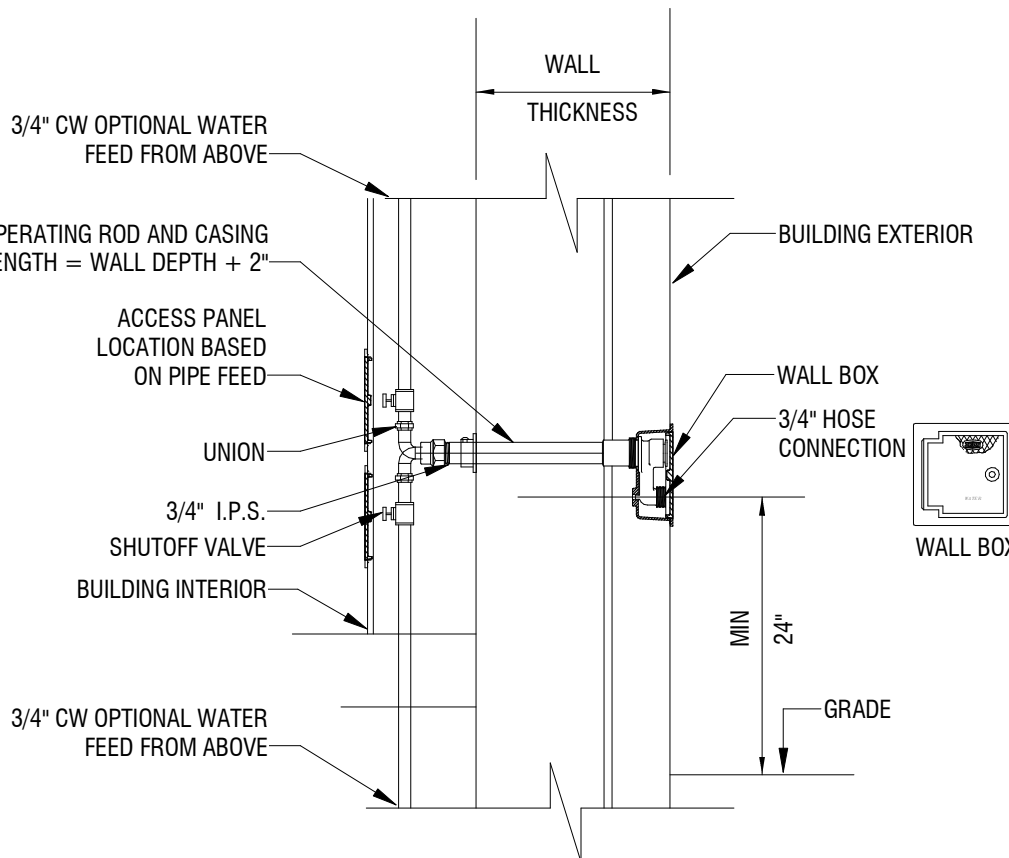
4
P501
PLB - WALL CLEANOUT
NOT TO SCALE



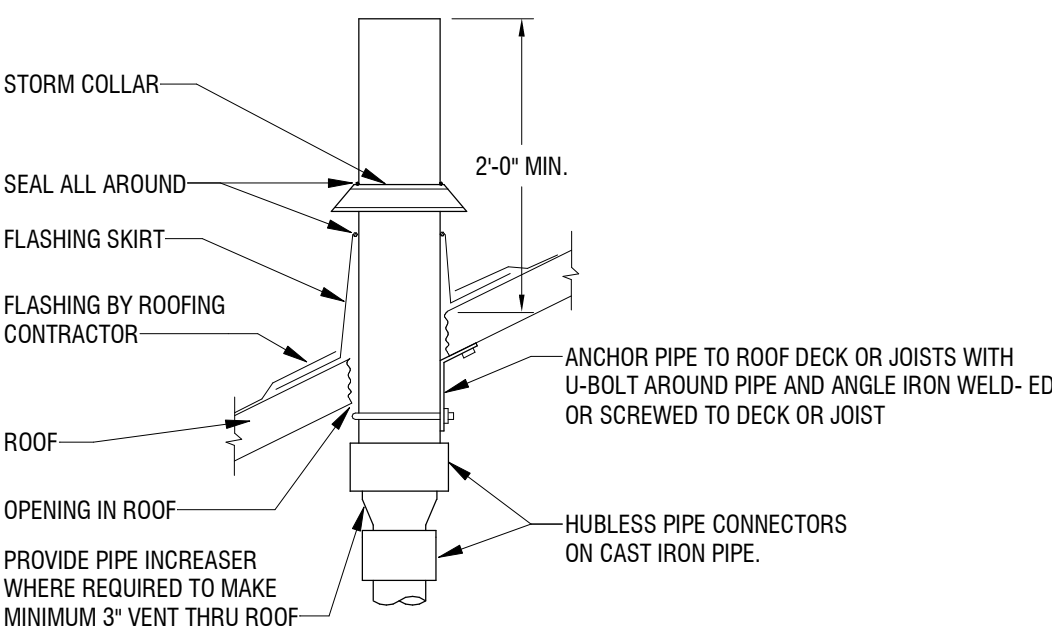
2
P501
PLB - LAV - W/ HW & CW SUPPLY DETAIL
NOT TO SCALE



7
P501
PLB - WASHING MACHINE BOX
NOT TO SCALE

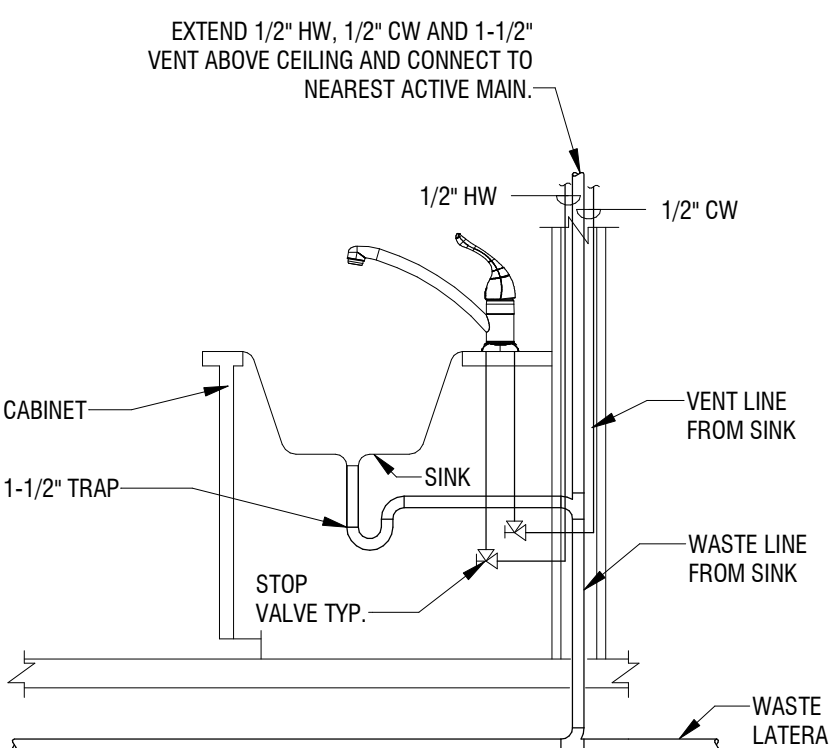


5
P501
PLB - WALL HYDRANT NON-FREEZE
NOT TO SCALE



- COMMENTS:
- REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS.
 - LOCATE VTR MINIMUM THREE FEET FROM PROPERTY LINE, OR TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, OR ONE FOOT FROM ANY VERTICAL SURFACE.
 - LOCATE VTR MINIMUM 18" FROM PARAPET, EXPANSION JOINT, EQUIPMENT CURB, ETC. OFFSET IN CEILING SPACE WHERE REQUIRED TO MEET THESE CONDITIONS.

3
P501
PLB - VENT - VENT THROUGH ROOF
NOT TO SCALE

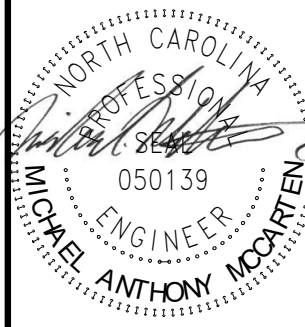


1
P501
PLB - LAV - LAVATORY DETAIL
NOT TO SCALE

STUDIO WALES
architecture

3151 MILHAVEN LAKE DR., WINSTON-SALEM, NC 27106
p. 4140704.6764 | www.STUDIO-WALES.com

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01.30.2026

SPRINGBROOK NURSING AND
REHABILITATION CENTER
ADDITION
195 SPRINGBROOK AVE, CLAYTON, NC

CONSTRUCTION DOCUMENTS

FOR CONSTRUCTION

Revisions		
No.	Description	Date
1	DHSR	1/30/2026

date: 02/06/2024

commission: NH-3138

sheet title:
PLUMBING DETAILS &
SCHEDULES

sheet number:

P501