

CLEAN OUT

ADJ

AFF

AFG

ALT

AMB

AMP

ANSI

AVG

BFP

BHP

BO

BTU

CAP

CLG

CLR

CO

COL

CONN

CONC CONT

CU FT

DCDA

DCV

DCW

DEMO

DHW

DIA

DIP

DWH

DWV

DWG

ENGR

(E)

EQ

EST

ETR

EWH

EWT

EX

EXP

EXT

°F

EXIST

CV

CIP

BV

BSMT

BLDG

APPROX

DRAWING SYMBOLS

BALL VALVE	
BUTTERFLY VALVE	
GATE VALVE	
SHUT OFF VALVE (GATE, BALL, OR BUTTERFLY - REFER TO SPECS)	
ANGLE VALVE	
PRESSURE REDUCING VALVE	
STEAM TRAP	
MOTOR OR SOLENOID CONTROL VALVE	
MOTOR OR SOLENOID CONTROL VALVE (3-WAY)	
TRIPLE DUTY VALVE	
RELIEF VALVE	
STRAINER	
WATER HAMMER ARRESTER	
P-TRAP	
UNION	
PRESSURE GAUGE	
PUMP	
	BUTTERFLY VALVE GATE VALVE ShUT OFF VALVE (GATE, BALL, OR BUTTERFLY - REFER TO SPECS) CHECK VALVE BALANCE VALVE ANGLE VALVE ANGLE VALVE PRESSURE REDUCING VALVE STEAM TRAP MOTOR OR SOLENOID CONTROL VALVE MOTOR OR SOLENOID CONTROL VALVE RELIEF VALVE STRAINER WATER HAMMER ARRESTER P-TRAP UNION PRESSURE GAUGE

	POINT OF DISCONNECTION
Θ	POINT OF CONNECTION
A M-2	SECTION CALLOUT
A M-2	DETAIL NUMBER
1	DEMOLITION KEY NOTE
$\langle 1 \rangle$	KEY NOTE

NOT ALL SYMBOLS. ABBREVIATIONS AND EQUIPMENT DESIGNATIONS MAY APPLY TO THIS PARTICULAR PROJECT. ANY ADDITIONS OR OMISSIONS FROM THIS LEGEND SHEET DOES NOT IMPLY INCLUSION AND/ OR EXCLUSIONS OF ANY PARTICULAR ITEM FROM THIS PROJECT.

<u>MS</u>	MOP SINK
<u>NF</u>	NON-FREEZE HOSE BIB
<u>P</u>	PUMP
<u>0S</u>	OIL SEPARATOR
<u>S</u>	SINK
<u>SA</u>	SHOCK ABSORBER (WATER HAN ARRESTOR)
<u>SS</u>	SERVICE SINK
<u>SH</u>	SHOWER
<u>SP</u>	SUMP PUMP
<u>SRV</u>	SAFETY RELIEF VALVE
<u>SWP</u>	SEWAGE PUMP
<u>TK</u>	WATER TANK
<u>UR</u>	URINAL
<u>WC</u>	WATER CLOSET
<u>WCO</u>	WALL CLEANOUT
<u>WS</u>	WATER SOFTENER

PERCENT
ALTERNATING CURRENT
ADJACENT
ABOVE FINISHED FLOOR
ABOVE FINISHED GRADE
ALTERNATE
AMBIENT
AMPERE (AMP, AMPS)
AMERICAN NATIONAL STANDARD INSTITUTE
APPROXIMATE (LY)
AVERAGE
BACKFLOW PREVENTER
BRAKE HORSEPOWER
BUILDING
BOTTOM OF
BASEMENT
BRITISH THERMAL UNIT
BALANCING VALVE
CAPACITY
CAST IRON PIPE
CEILING
CLEAR
CLEANOUT or CARBON MONOXIDE
COLUMN
CONNECTION
CONCRETE
CONTINUOUS
CUBIC FEET
VALVE FLOW COEFFICIENT
DOUBLE CHECK DETECTOR ASSEMBLY
DETECTOR CHECK VALVE
DOMESTIC COLD WATER
DEMOLISH or DEMOLITION
DOMESTIC HOT WATER
DIAMETER
DUCTILE IRON PIPE
DOMESTIC WATER HEATER
DRAIN, WASTE, & VENT
DRAWING
EXISTING
ENGINEER
EQUAL
ESTIMATED
EXISTING TO REMAIN
ELECTRIC WATER HEATER
ENTERING WATER TEMPERATURE
EXISTING
EXISTING
EXPANSION
EXTERIOR
DEGREES FAHRENHEIT

ABBREVIATIONS

FA

FIN

FLA

FPM

FPS

FUT

GA

GAL

GC

GPM

GPD

GPH

HD

HG

HP

HPC

HPS

HVAC

INSUL

HR

ΗZ

ID

INT

IPS

INV

KW

KWH

LBS

LE

LG

LOC

LPC

LPS

LRA

LWT

MATL

MAX

MBH

MECH

MFG

MIN

MISC

MOCP

MPC

MPS

MTG

N/A

NC

HORIZ

FT

FREE AREA FINISHED FL OOR FULL LOAD AMPS FEET PER MINUTE FEET PER SECOND FOOT OR FEET FUTURE GAGE OR GAUGE GALLONS GENERAL CONTRACTOR GALLONS PER MINUTE GALLONS PER DAY GALLONS PER HOUR HEAD MERCURY HORIZONTAL HORSEPOWER HIGH PRESSURE CONDENSATE HIGH PRESSURE STEAM HOUR HEATING, VENTILATING, AND AIR CONDITIONING RPM FREQUENCY DIAMETER, INSIDE INCH INSULATION INTERIOR IRON PIPE SIZE INVERT KII OWATT KILOWATT HOUR POUNDS LINEAR FEET LENGTH LOCATION LOW PRESSURE CONDENSATE LOW PRESSURE STEAM LOCKED ROTOR AMPS LEAVING WATER TEMPERATURE MATERIAL MAXIMUM BTU PER HOUR (THOUSAND) MECHANICAL MANUFACTURER MINIMUM MISCELLANEOUS MAXIMUM OVERCURRENT PROTECTION MEDIUM PRESSURE CONDENSATE MEDIUM PRESSURE STEAM MOUNTING NOT APPLICABLE NORMALLY CLOSED

NORMALLY OPEN NATIONAL PIPE TREAD NON-RISING STEM NOT TO SCALE ON CENTER DIAMETER, OUTSIDE OUTSIDE SCREW AND YOKE PLUMBING CONTRACTOR PI UMBING PHASE (ELECTRICAL) PRESSURE POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PSI GUAGE PRESSURE REDUCING VALVE RECEIVER RECIRCULATE HOT WATER RE-CIRCULATION ROUGH OPENING REDUCED-PRESSURE DETECTOR ASSY. REVOLUTIONS PER MINUTE REDUCED-PRESSURE ZONE STEAM CAPTURE HOOD SPECIFICATION SUPPLY SQUARE SQUARE FOOT (FEET) SQUARE INCH (INCHES) STANDARD SUCTION THERMOSTAT TO BE DETERMINED TEMPERATURE CONTROL CONTRACTOR TEMPERATURE DIFFERENCE TEMPERATURE THERMOSTATIC MIXING VALVE TOP OF TYPICAL VOLT VACUUM VARIABLE VELOCITY VERIFY IN FIELD VOLUME WASTE WITH WITH OUT WALL CLEANOUT WATER HAMMER ARRESTER WATER METER WATER PRESSURE DROP

NOT IN CONTRACT

NIC

NO

NPT

NRS

NTS

0C

OD

PC

PH

PSF

PSIG

PRV

RHW

RPDA

RO

RPZ

SCH

SPEC

SPLY

SQ FT

SQ IN

STD

SUCT

T'STAT

TBD

TEMP

TMV

TO

TYP

VAC

VAR

VEL

VIF

W/

W/0

WCO

WHA

WM

WPD

WWP

WFIGHT

WORKING WATER PRESSURE

WT

VOL

тс

TD

SQ

RCVR

RECIRC

PSI

OS&Y

PLBG

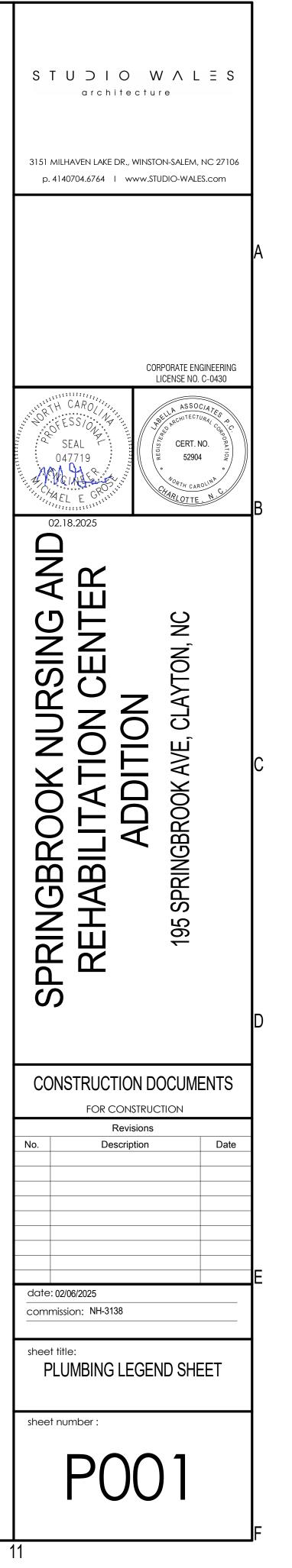
PRESS

NOTE: SOME ABBREVIATIONS MAY NOT BE USED ON DRAWINGS

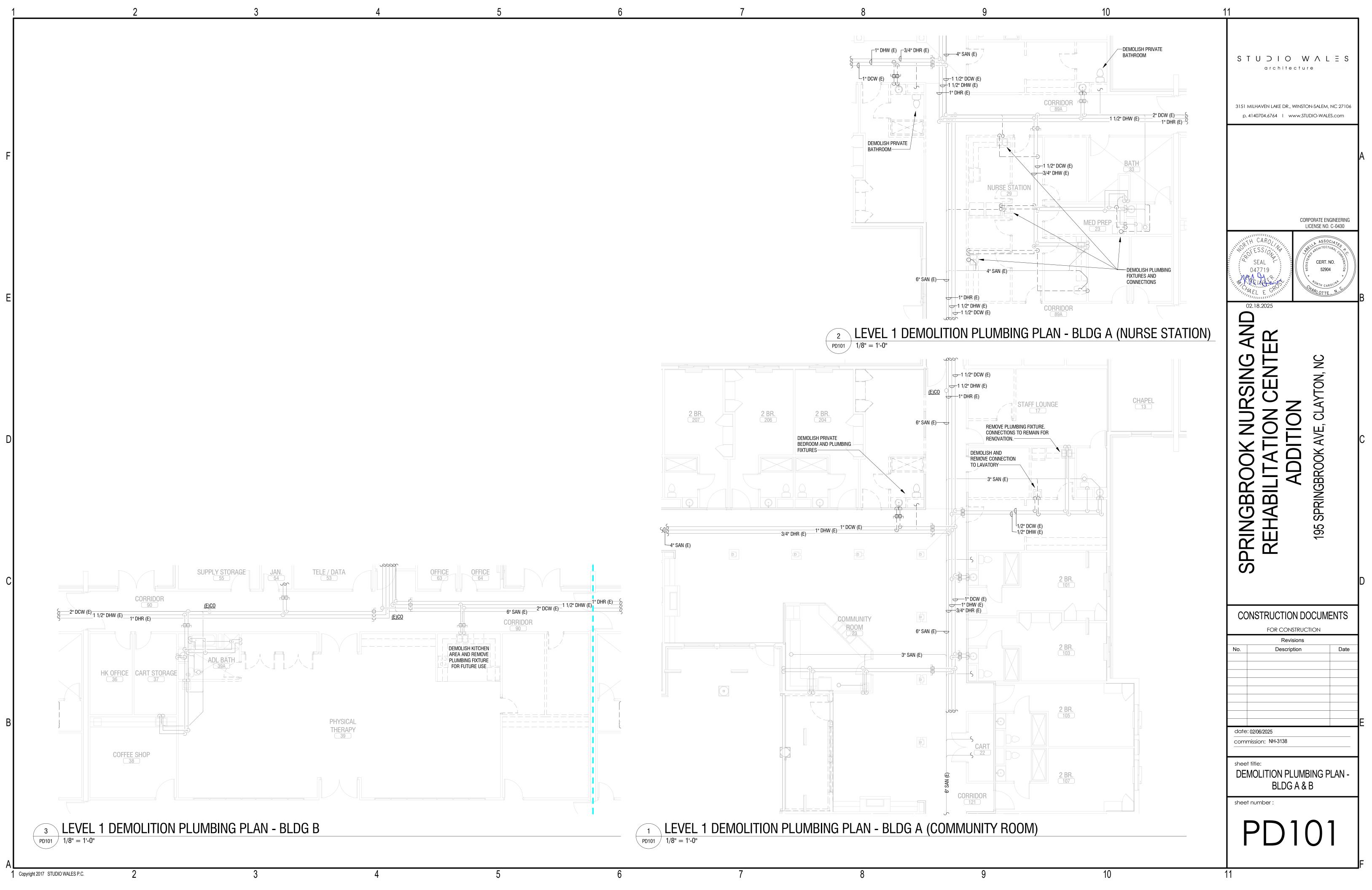
GENERAL NOTES

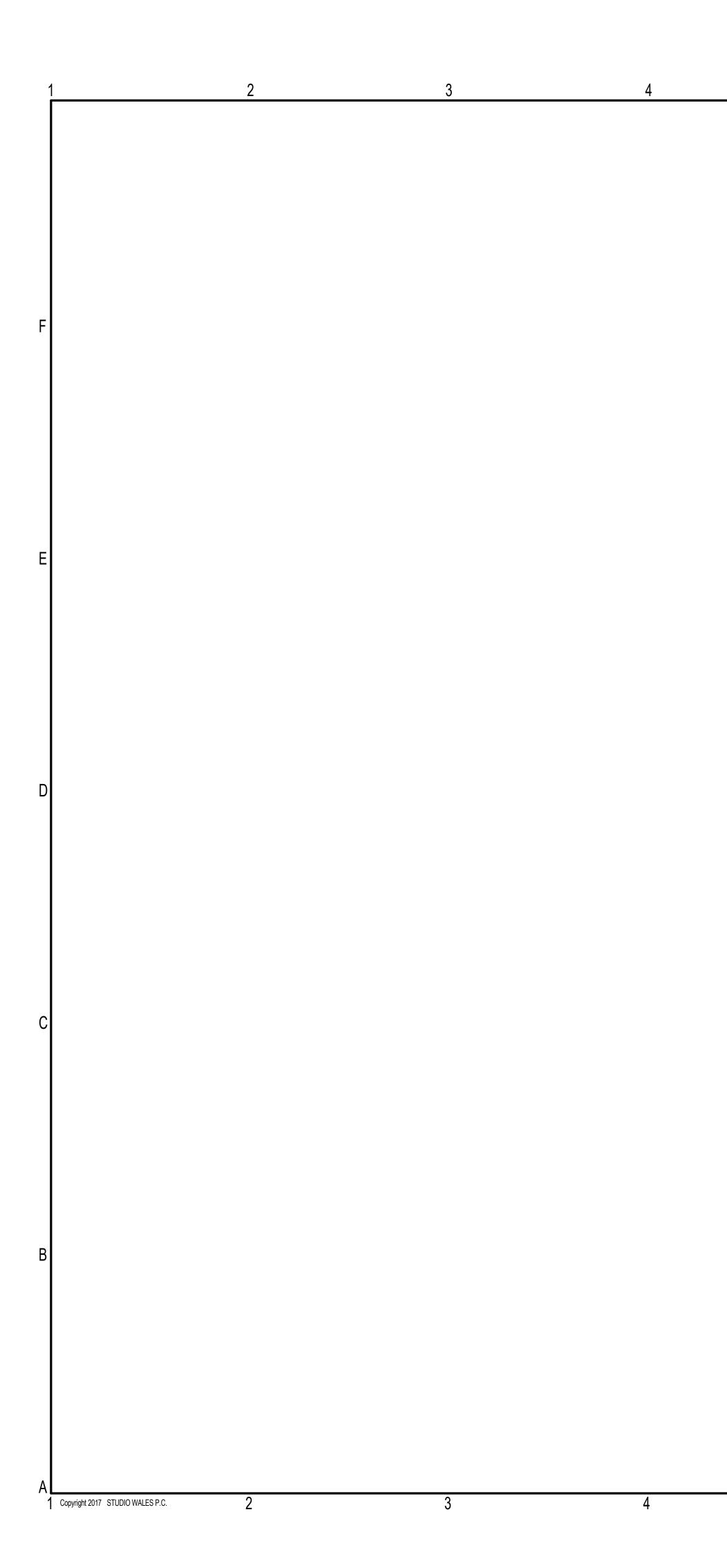
PLUMBING GENERAL NOTES

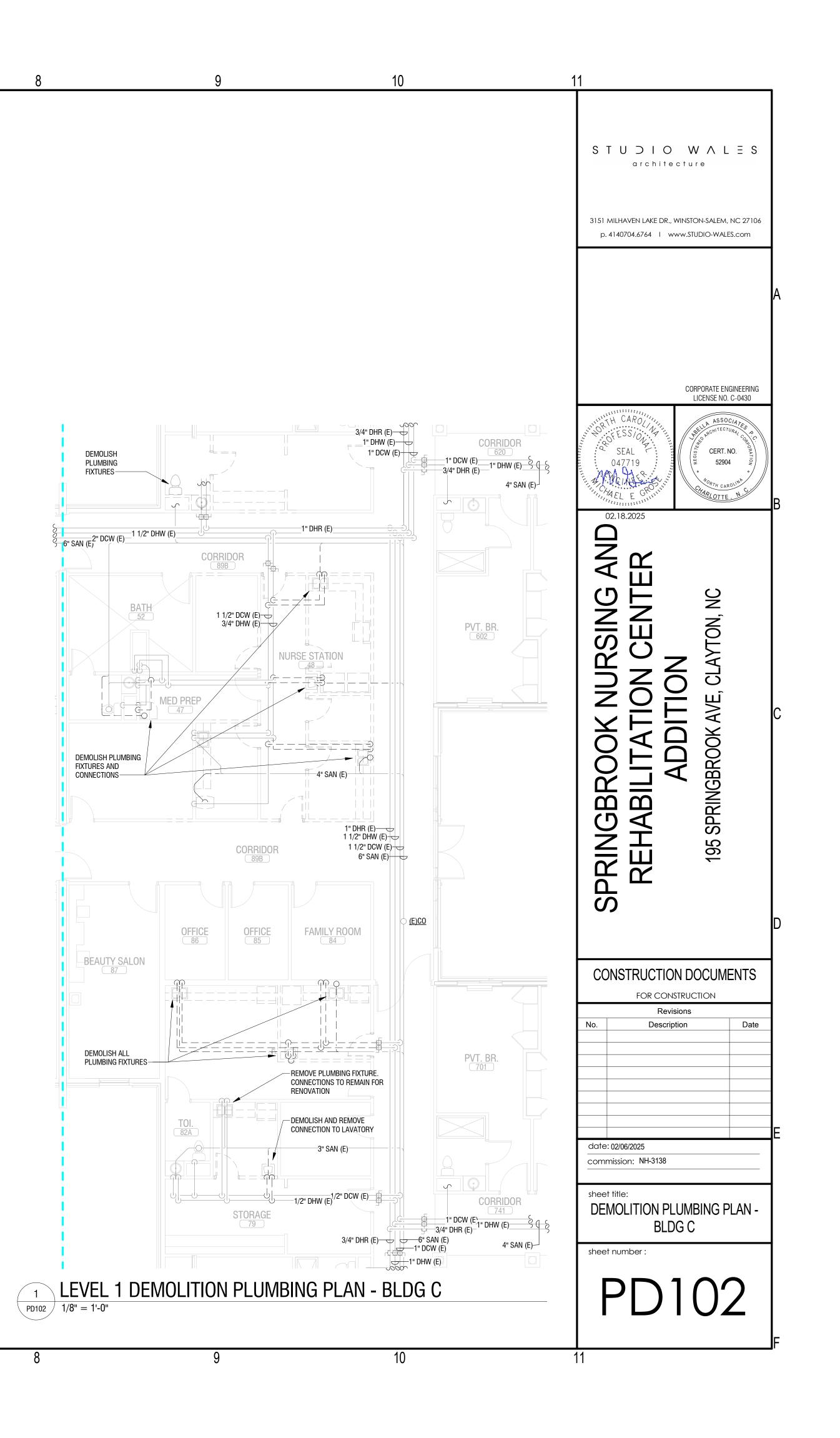
- 1 DO NOT SHUT DOWN ANY PLUMBING, FIRE PROTECTION, NATURAL GAS, OR RELATED SYSTEMS WITHOUT BUILDING OWNER'S PRIOR WRITTEN APPROVAL. FOLLOW ALL OWNER REQUIREMENTS AND SHUT DOWN PROCEDURES AS WELL AS ALL REQUIREMENTS OF THIS PROJECT. PROVIDE 7 DAYS NOTICE PRIOR TO SHUTTING DOWN.
- 2 IF REQUIRED, COORDINATE 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 SHOWN. 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.
- 9 PITCH ALL SANITARY, WASTE, AND STORM PIPING AS FOLLOWS: PIPING SMALLER THAN 3", PITCH AT 2 PERCENT (1/4" PER FOOT) MINIMUM. 3" AND LARGER, PITCH AT 1 PERCENT (1/8" PER FOOT) MINIMUM.
- 10 CONNECT TO SITE PIPING OUTSIDE BUILDING AS SHOWN. PROVIDE ALL REQUIRED OFFSETS, FITTINGS AND CONNECTIONS. FIELD VERIFY EXACT LOCATION, DEPTH AND COMPOSITION OF SITE SERVICES AND COORDINATE ALL WORK WITH SITE CONTRACTOR.
- 11 COORDINATE ALL VENT TERMINATIONS ABOVE ROOF WITH HVAC CONTRACTOR. ALL VENT TERMINATIONS ABOVE ROOF SHALL BE A MINIMUM 10'-0" AWAY FROM ANY HVAC OUTSIDE AIR INTAKE (ROOFTOP UNIT, LOUVER, ETC.).
- 12 PROVIDE SINGLE HOSE BIBB WITH VACUUM BREAKER (HB) UNDER LAVATORY(S) IN ALL TOILET ROOMS WITH FLOOR DRAINS. ONE REQUIRED PER ROOM.
- 13 THE EXISTING PIPING INDICATED ON THESE PLANS SHALL BE VERIFIED IN THE FIELD FOR EXACT LOCATIONS, QUANTITY, AND PIPE SIZES.
- 14 THE PIPING INDICATED ON THESE PLANS ARE DIAGRAMATIC. ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION. CONTRACTOR SHALL COORDINATE ROUTING OF ALL PIPING WITH EXISTING CONDITIONS AND SHALL PROVIDE ANY NECESSARY OFFSETS, REROUTING, TEES, ELBOWS, ETC. REQUIRED FOR A COMPLETE AND COORDINATED INSTALLATION.
- 15 THE CONTRACTOR SHALL OBTAIN AND PAY ALL FEES RELATED TO PERMITTING, INSPECTIONS, TAP-ON FEES, ETC.
- 16 CONTRACTOR SHALL COORDINATE ANY PLUMBING OR PIPING SYSTEM SHUTDOWN WITH THE OWNER 5 DAYS IN ADVANCE.
- 17 CONTRACTOR SHALL COORDINATE AND PROVIDE ALL NECESSARY PIPING & PLUMBING FITTINGS, PIPING, MISCELLANEOUS ITEMS REQUIRED FOR A COMPLETE INSTALLATION OF ALL PLUMBING RELATED ITEMS.
- 18 ALL WORK SHALL BE COORDINATED WITH THE EQUIPMENT VENDORS.
- 19 THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL UNDER SLAB PIPING WITH EXISTING STRUCTURAL FOUNDATIONS. UNDERGROUND UTILITY LOCATIONS SHALL BE VERIFIED PRIOR TO ANY WORK BEING PERFORMED. CONTRACTOR SHALL REPAIR OR REPLACE ALL PIPING NOT IN PROPER WORKING ORDER OR DAMAGED DURING INSTALLATION OF THE NEW UNDERSLAB PIPING.
- 20 ALL PLUMBING & PIPING SYSTEMS SHALL BE SUPPORTED AS REQUIRED BY THE STATE AND LOCAL CODE REQUIREMENTS AND PER MANUFACTURER'S RECOMMENDATIONS.
- 21 ALL PIPING PENETRATIONS THROUGH NEW, EXISTING WALL, OR FLOOR SHALL BE SEALED TO EQUAL THE RATING OF THE NEW, EXISTING WALL OR FLOOR.
- 22 THE ENTIRE DOMESTIC WATER SYSTEM (EXISTING/NEW) SHALL BE DISINFECTED IN ACCORDANCE TO THE LOCAL CODE & HEALTH DEPARTMENT REQUIREMENTS.
- 23 THE BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED PER STATE AND LOCAL CODE & PER AUTHORITY HAVING JURISDICTION REQUIREMENTS.
- 24 ALL (VTR'S) VENT THRU ROOF PENETRATIONS INDICATED ON PLANS ARE PRELIMINARY. FINAL LOCATIONS SHALL BE COORDINATED WITH ALL TRADES. ALL VTR'S SHALL BE A MINIMUM OF 10'-0" FROM ALL FRESH AIR INTAKE OPENINGS.
- 25 CONTRACTOR SHALL INSULATE ALL PLUMBING PIPING PER ENERGY CONSERVATION CODE REQUIREMENTS.

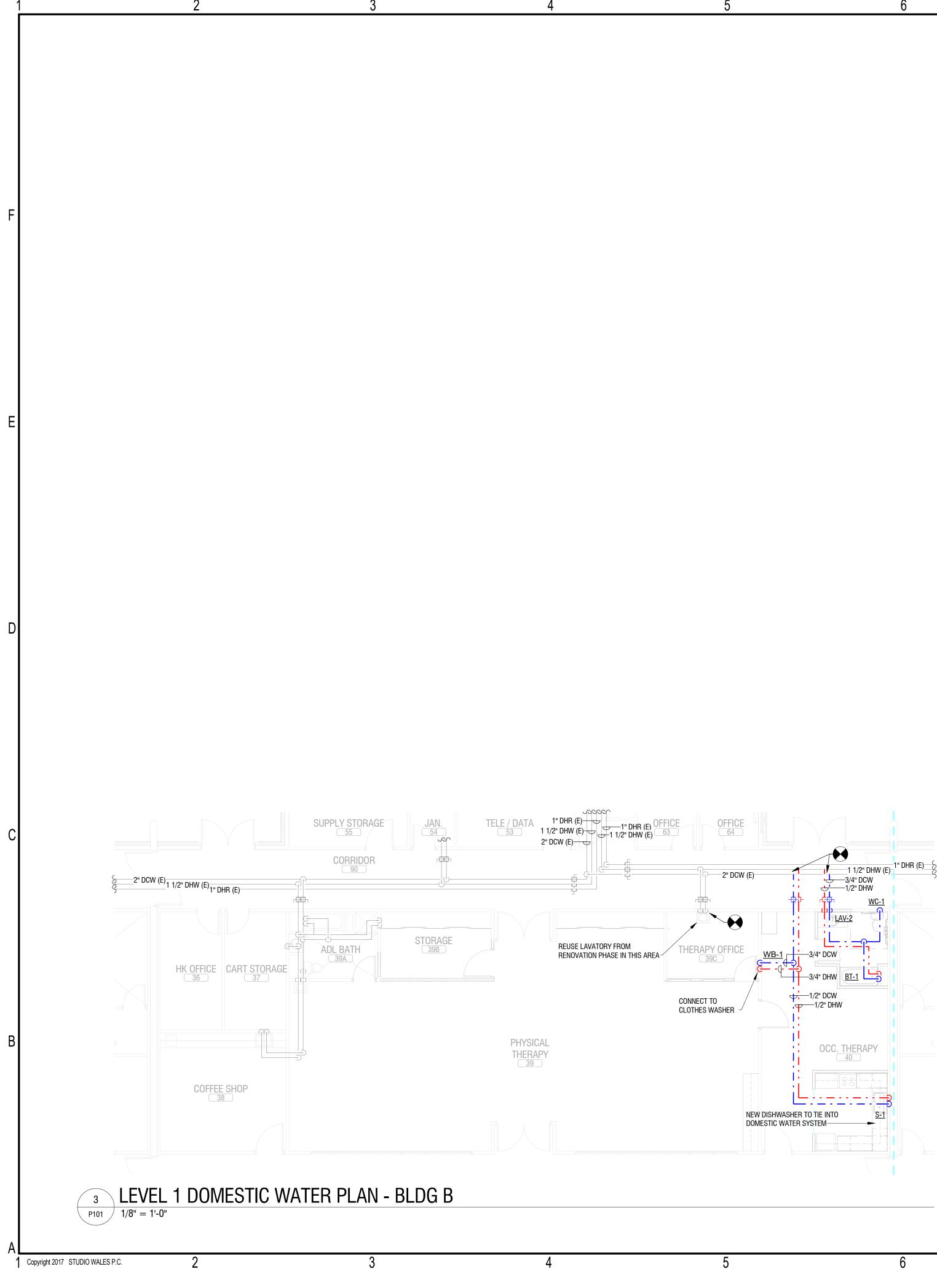


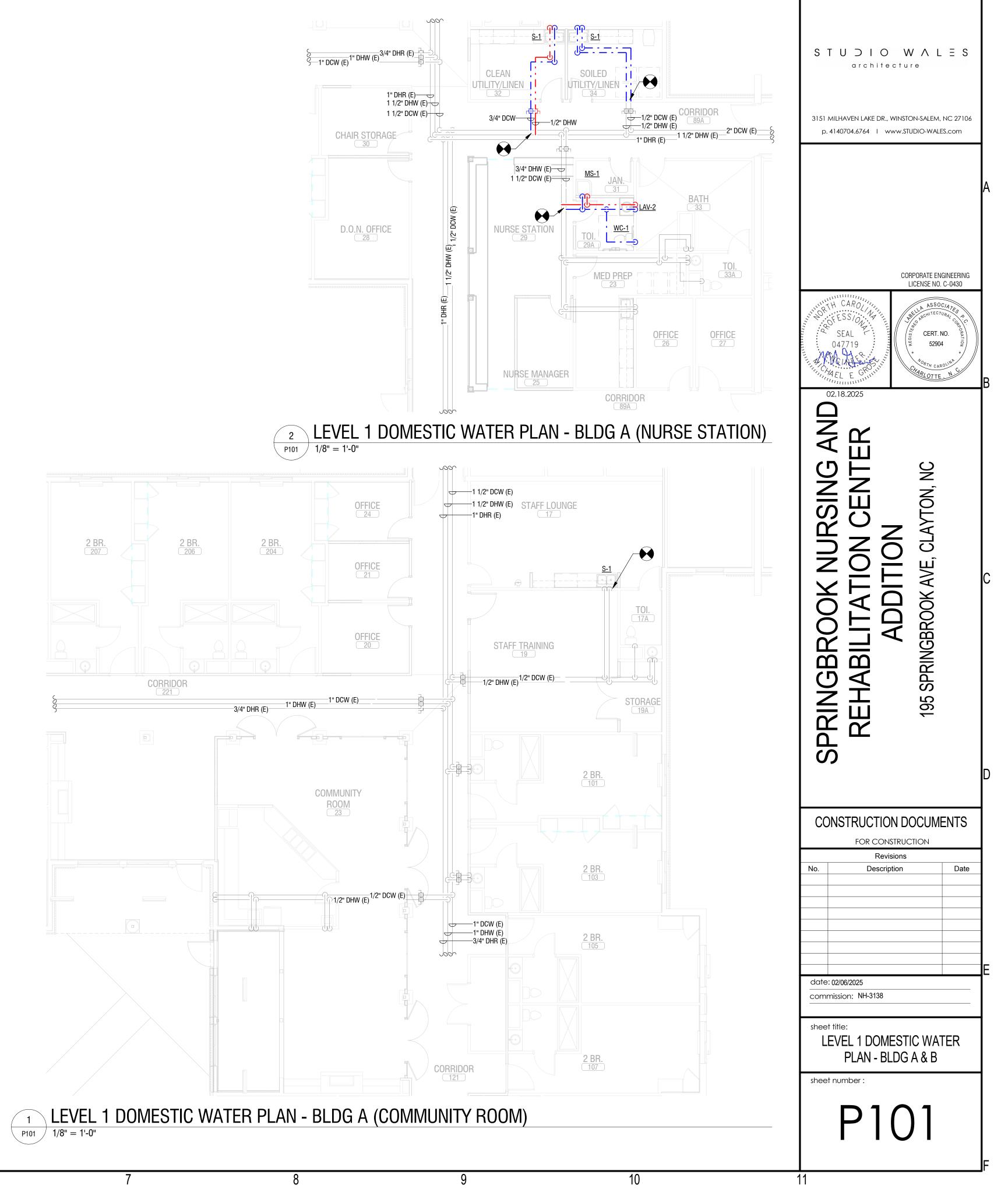


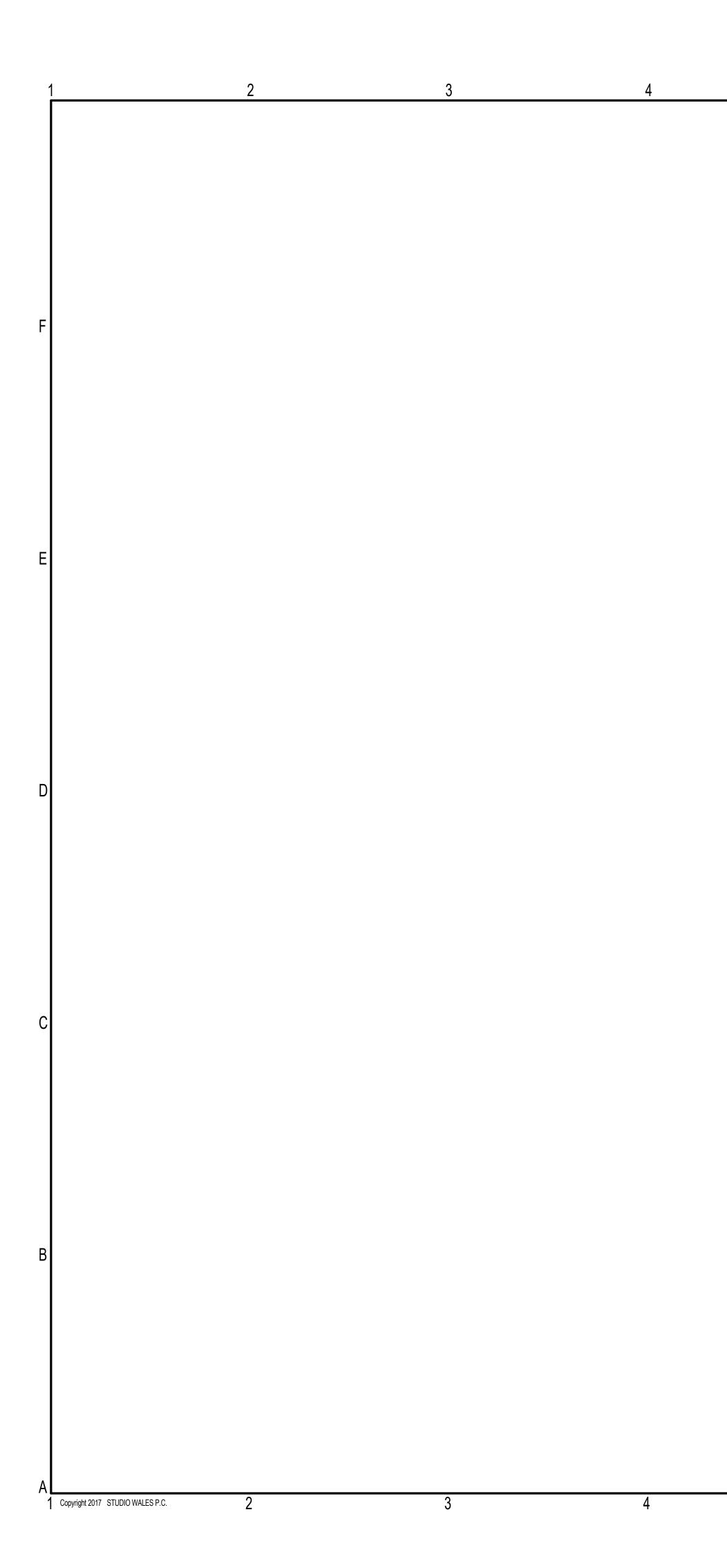


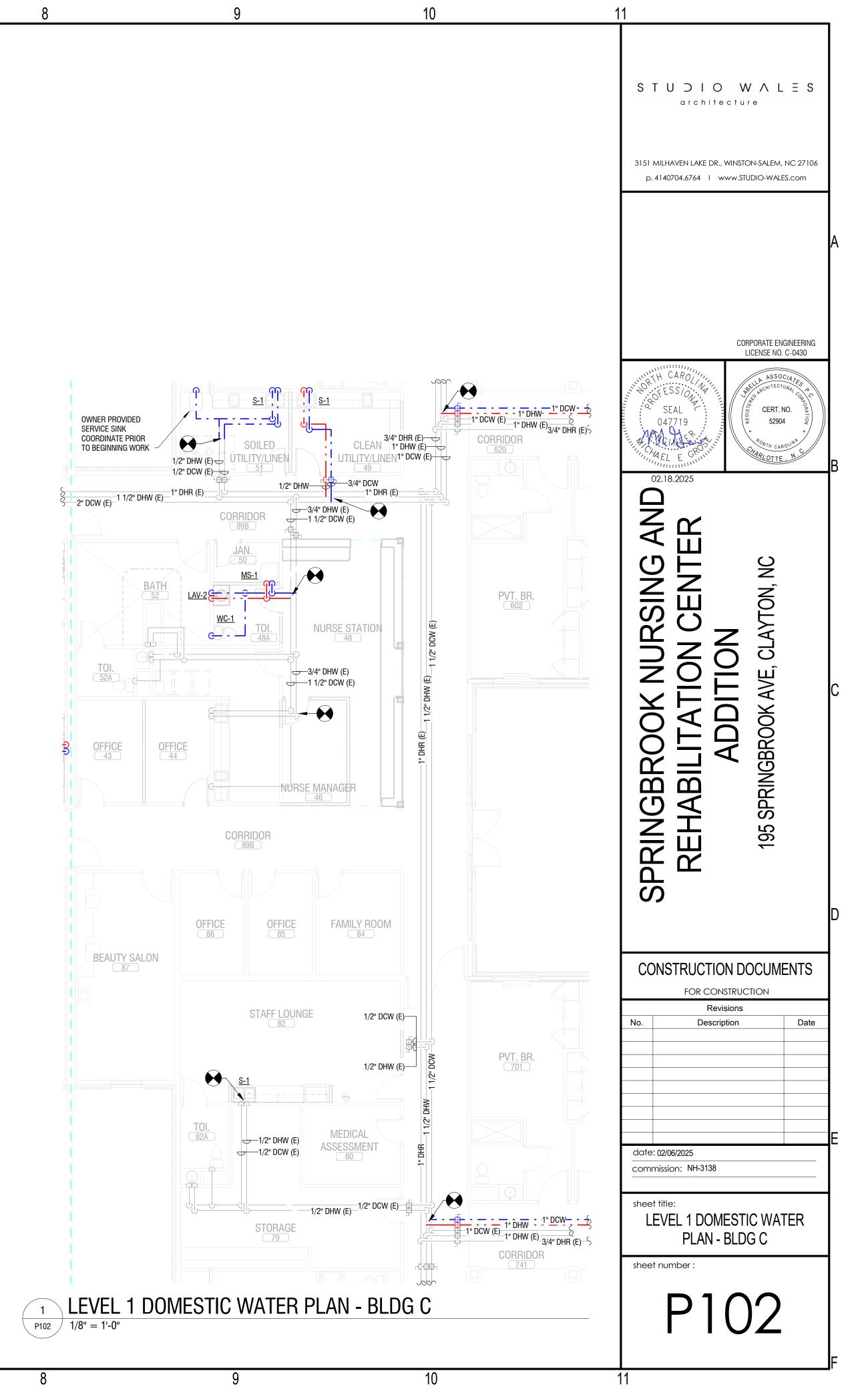


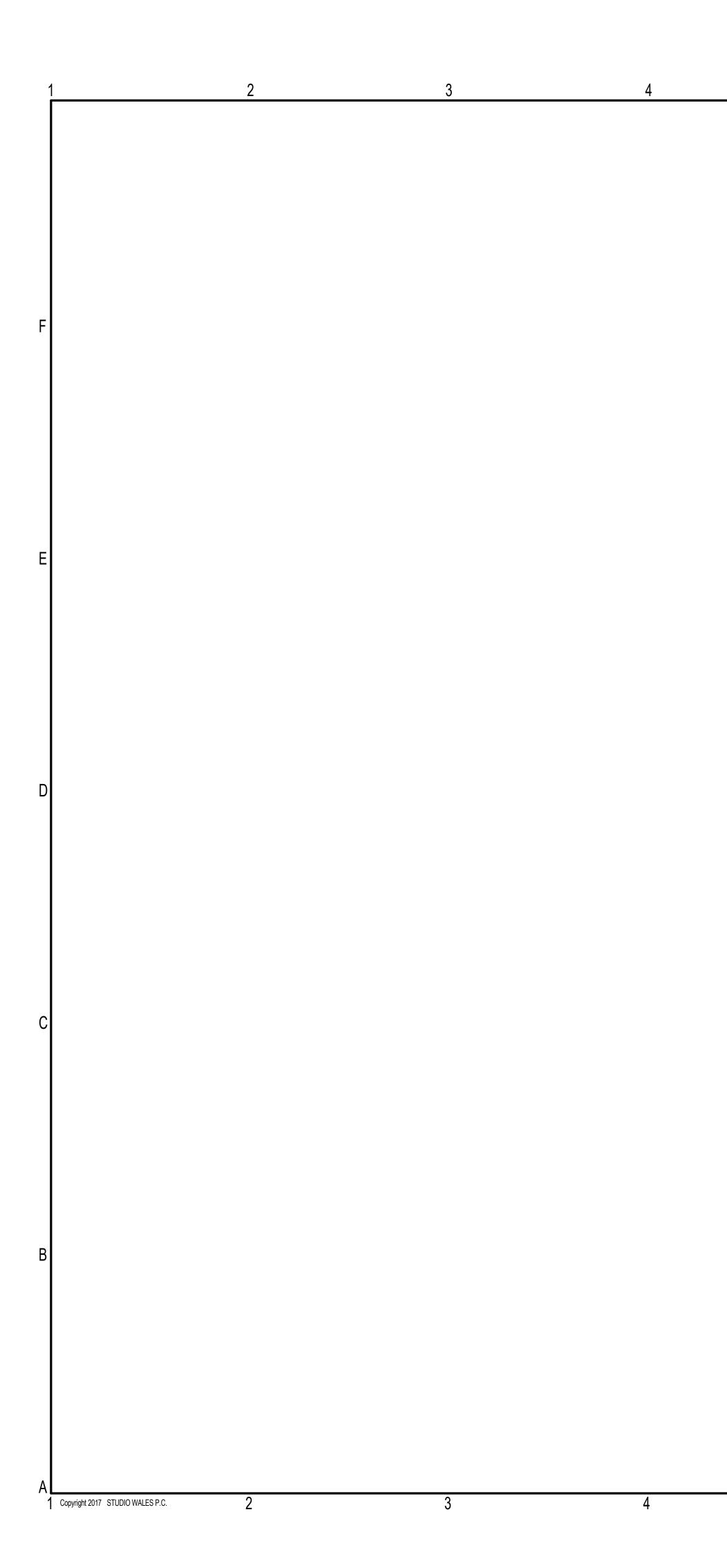




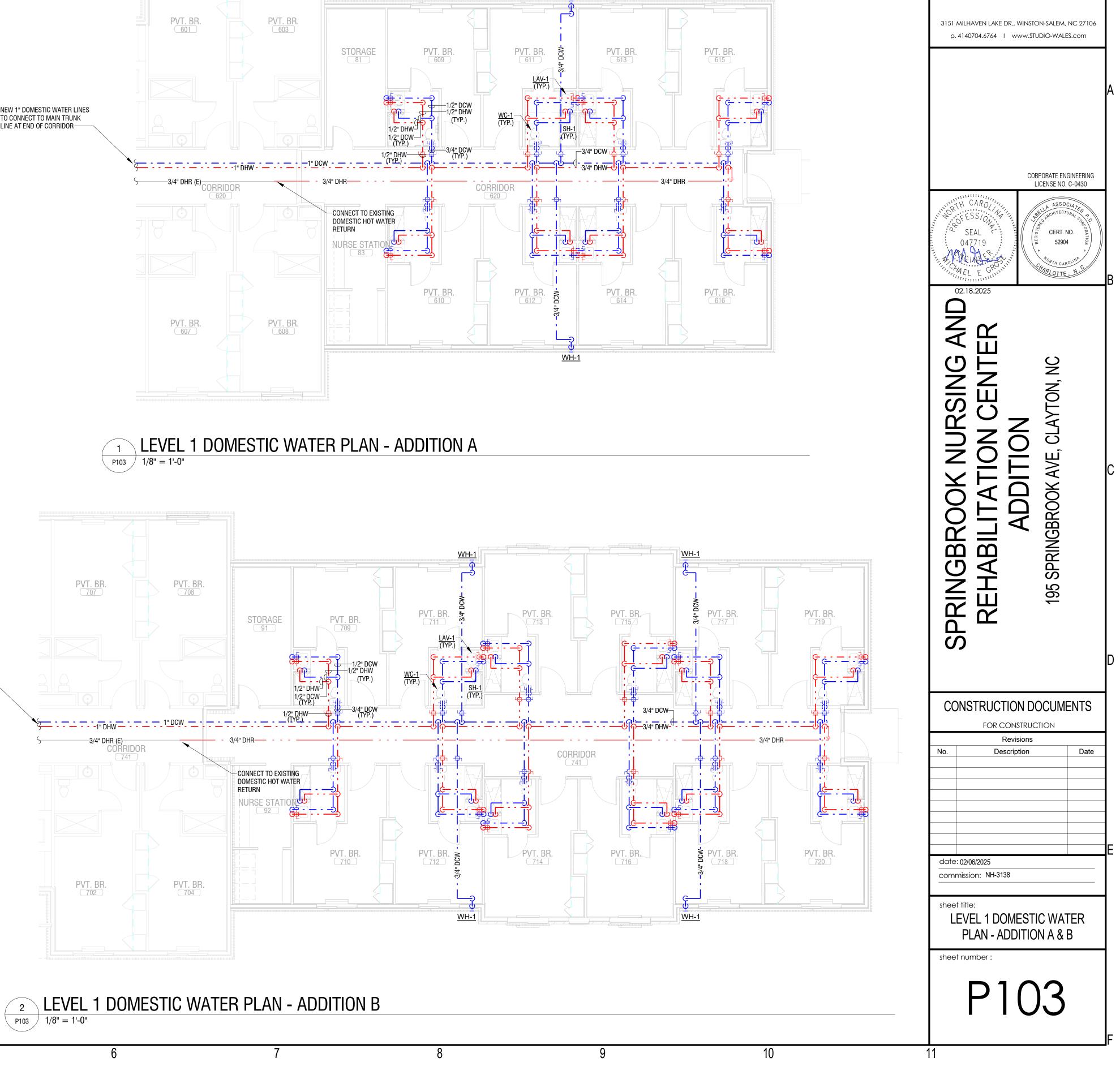




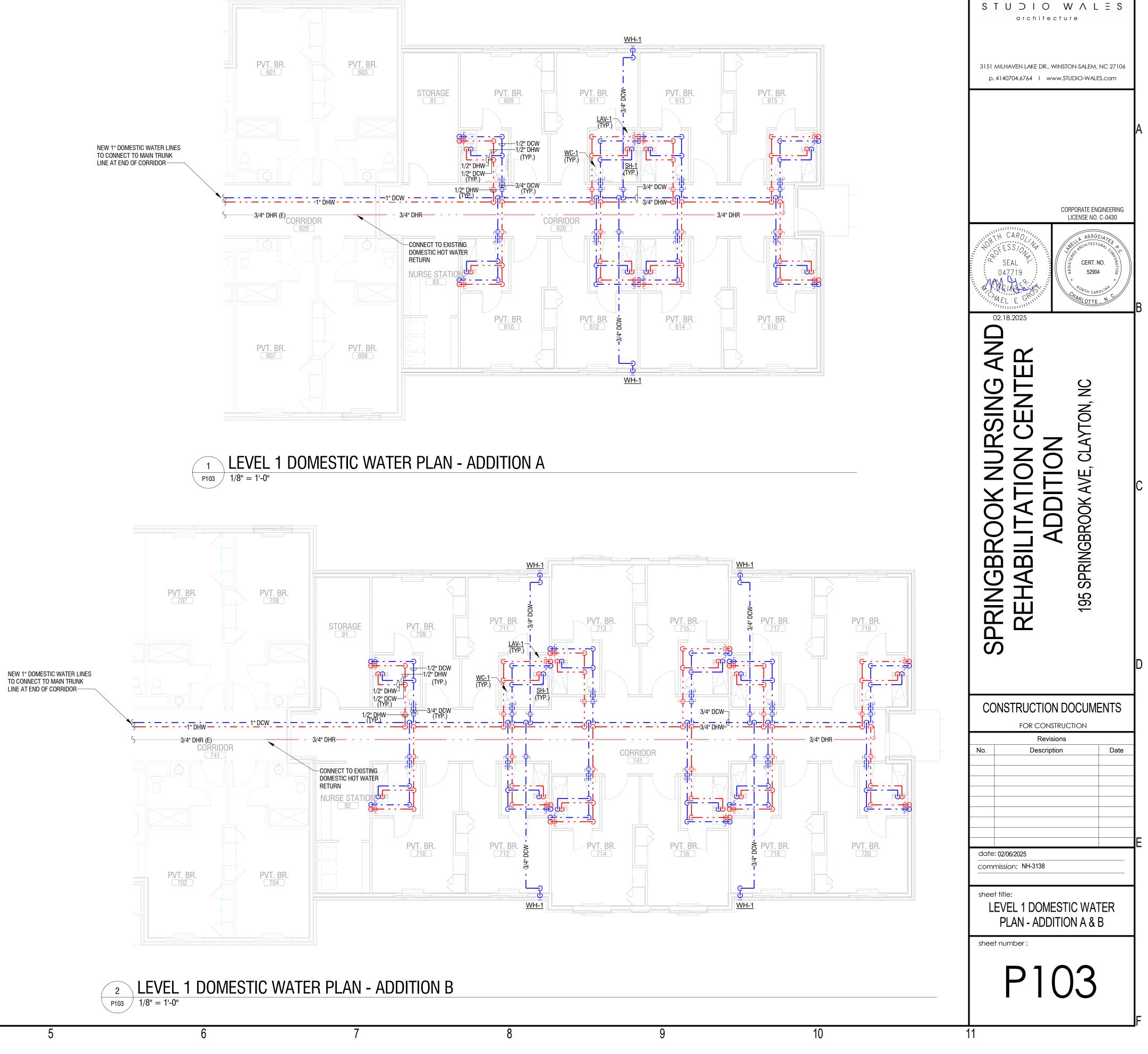


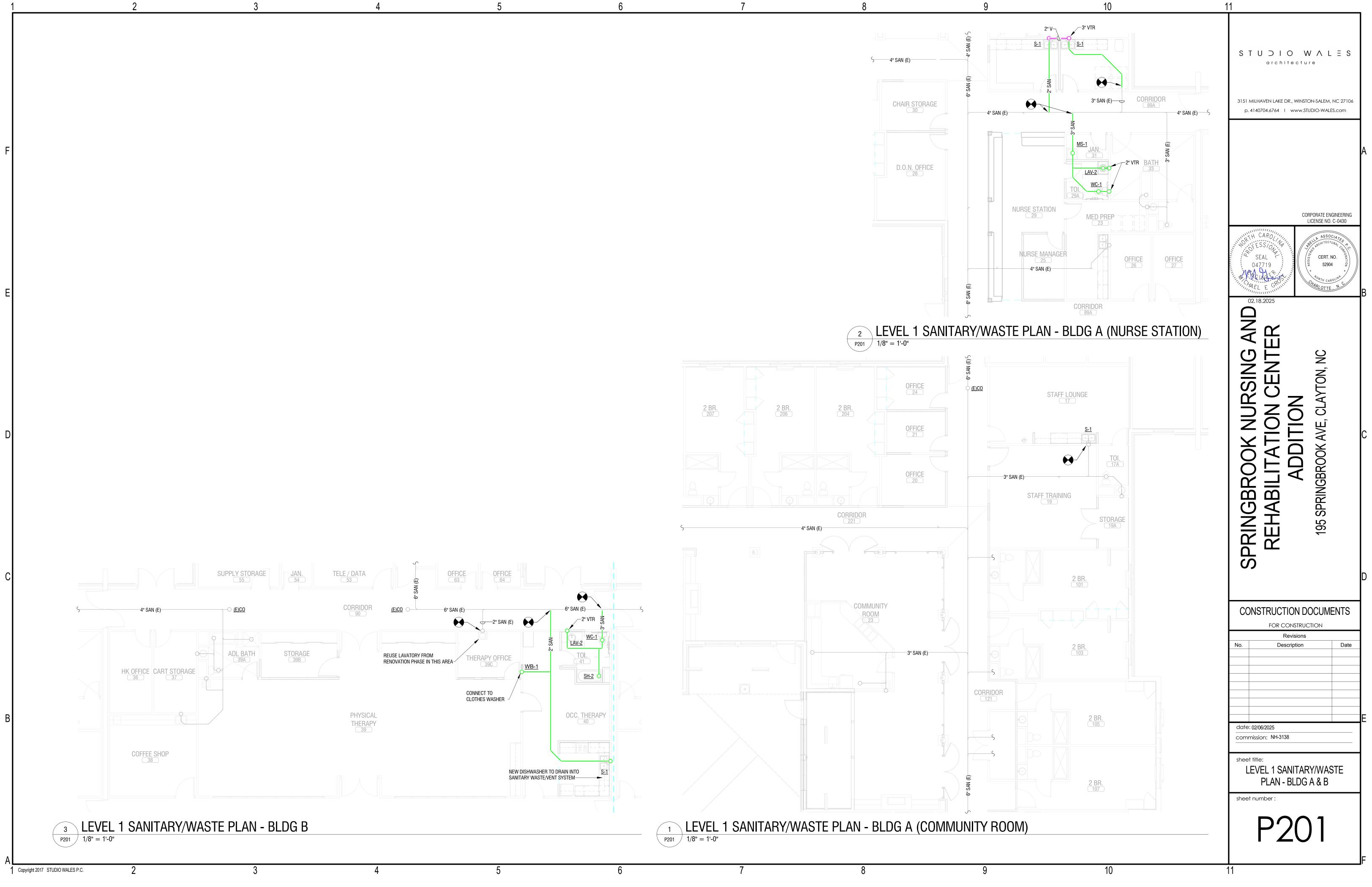


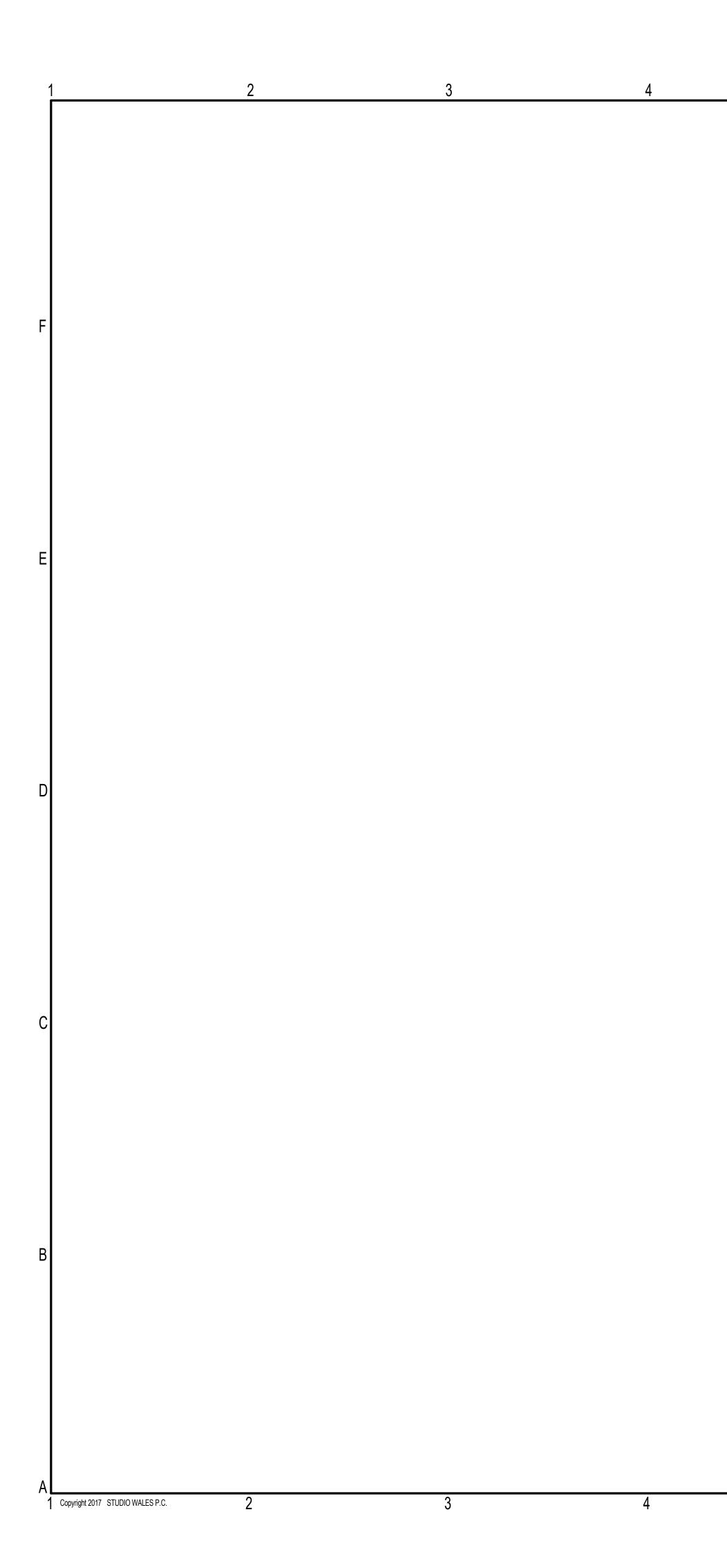


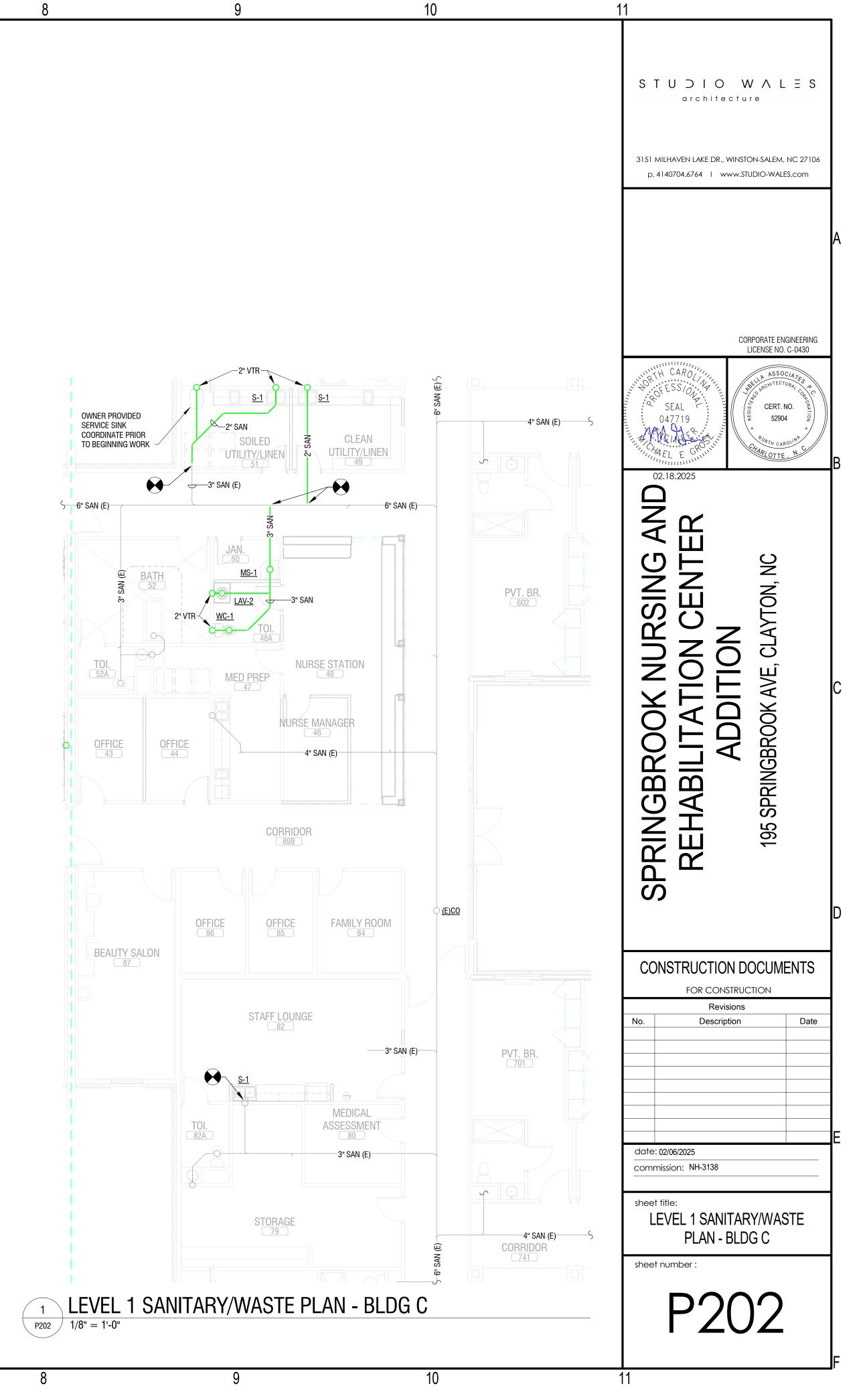


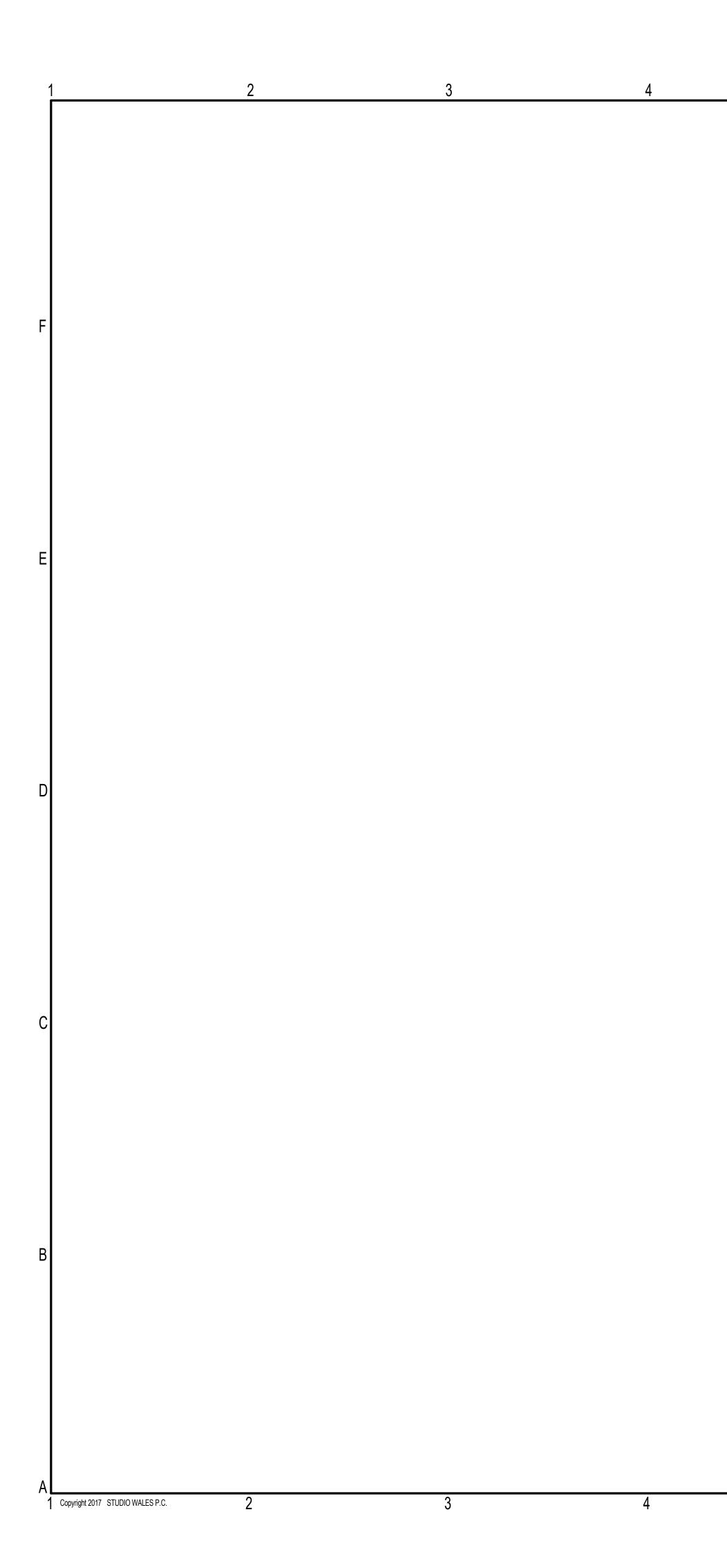


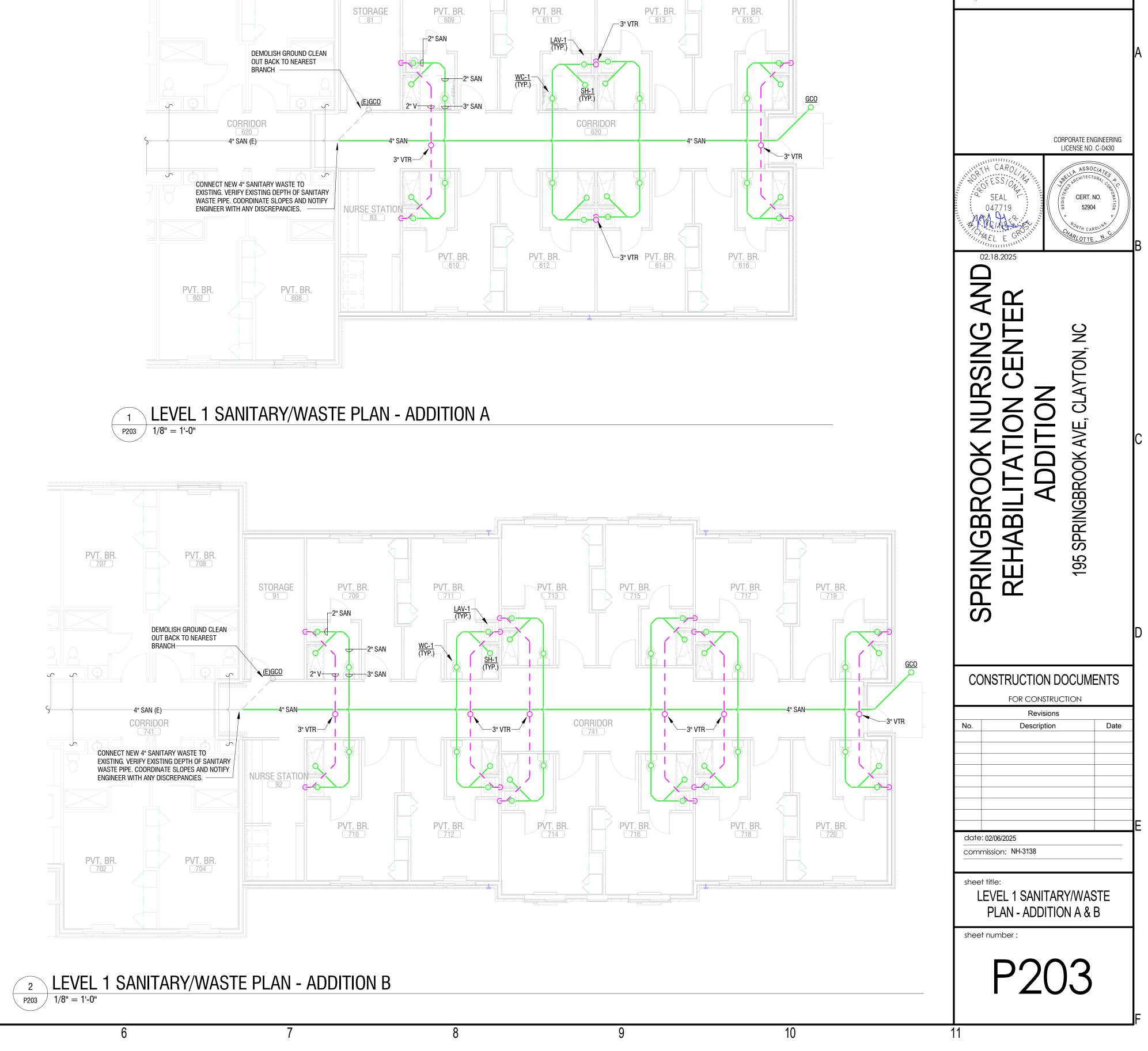




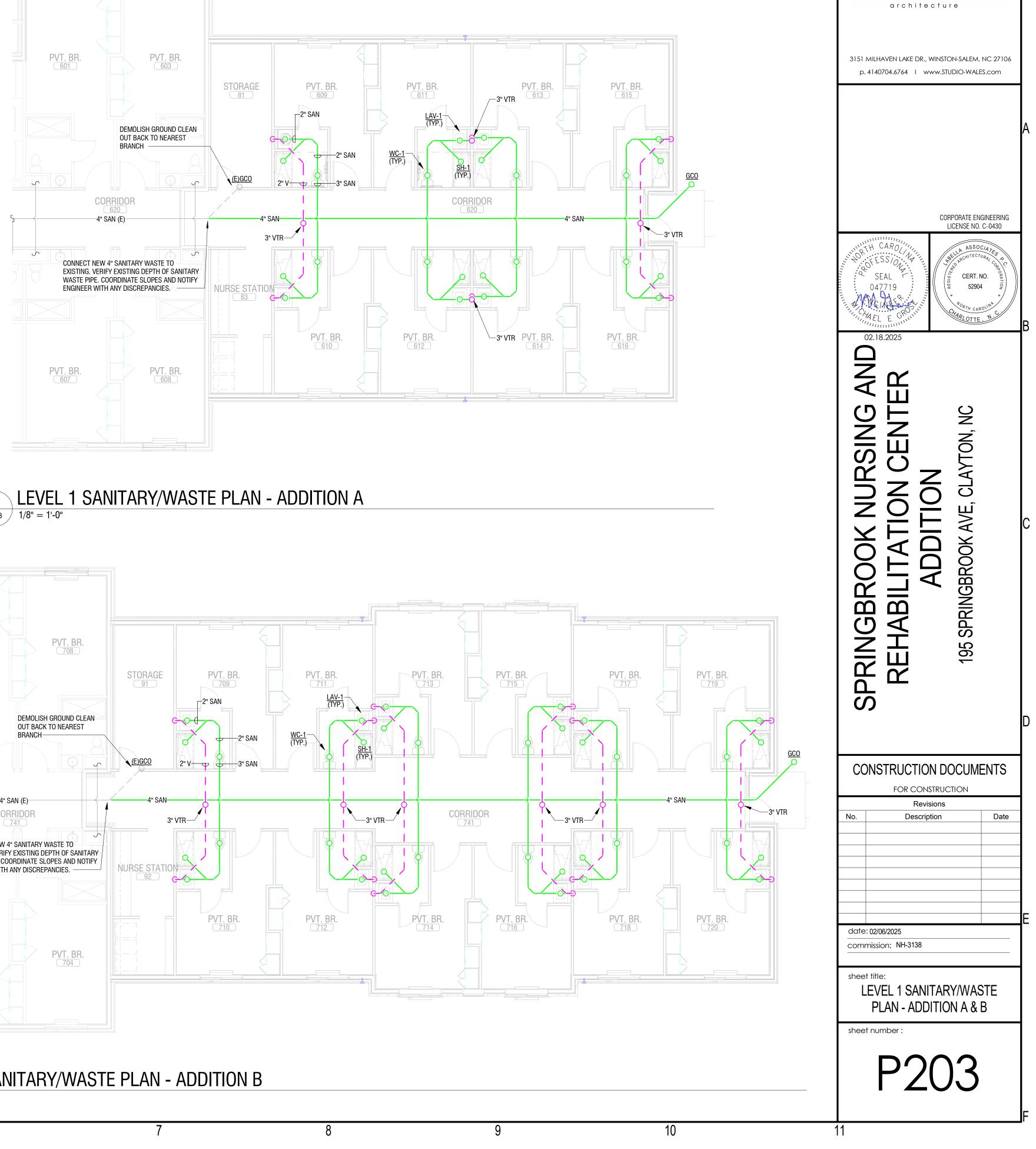




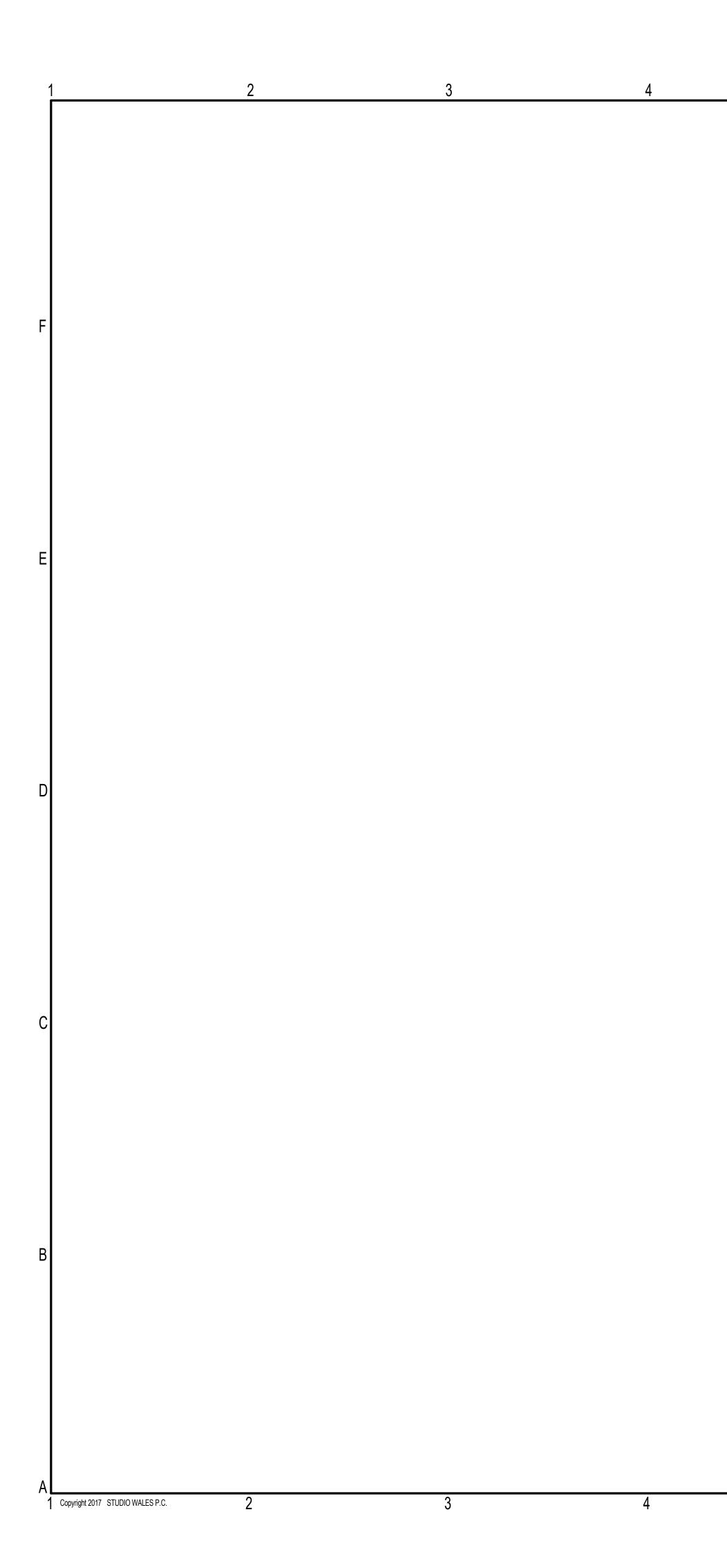


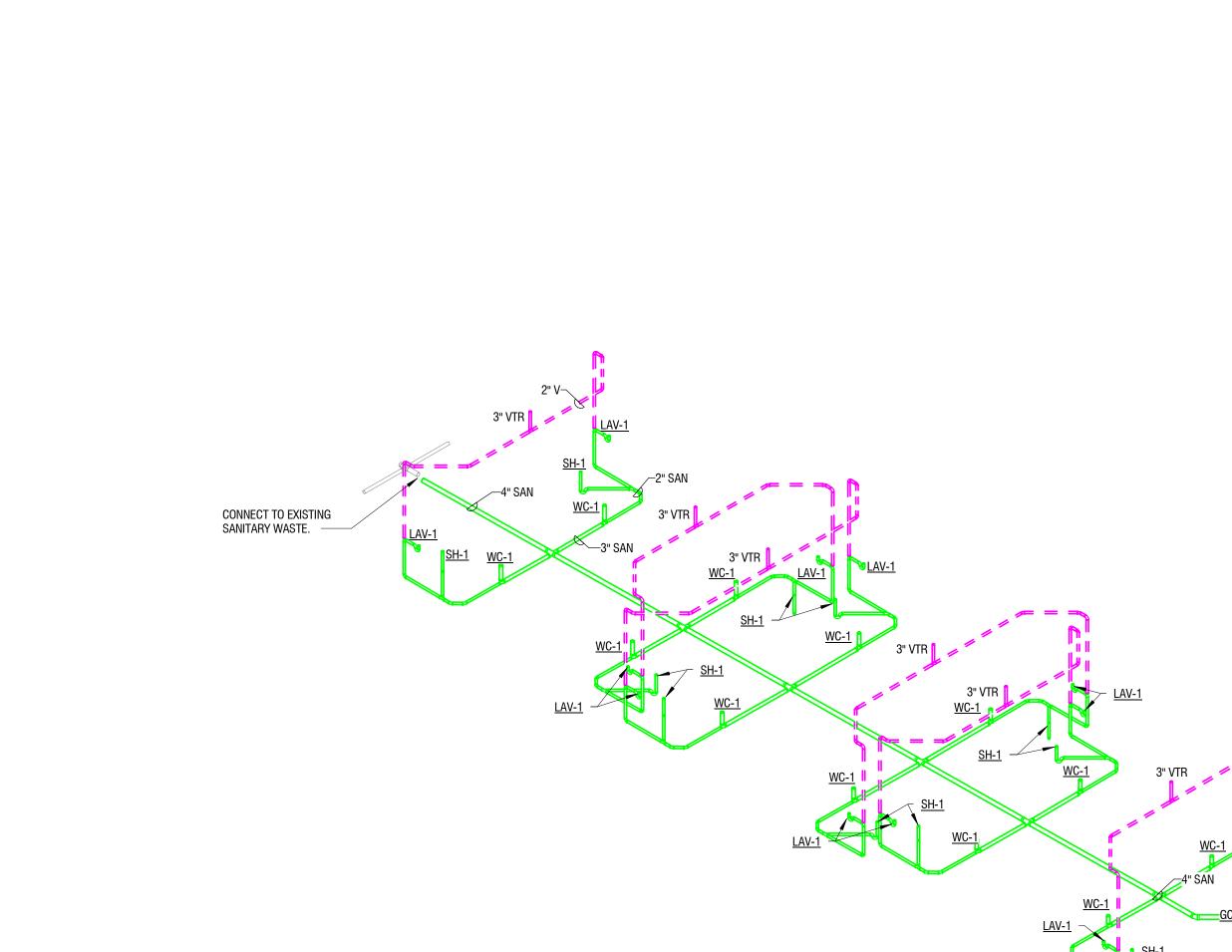




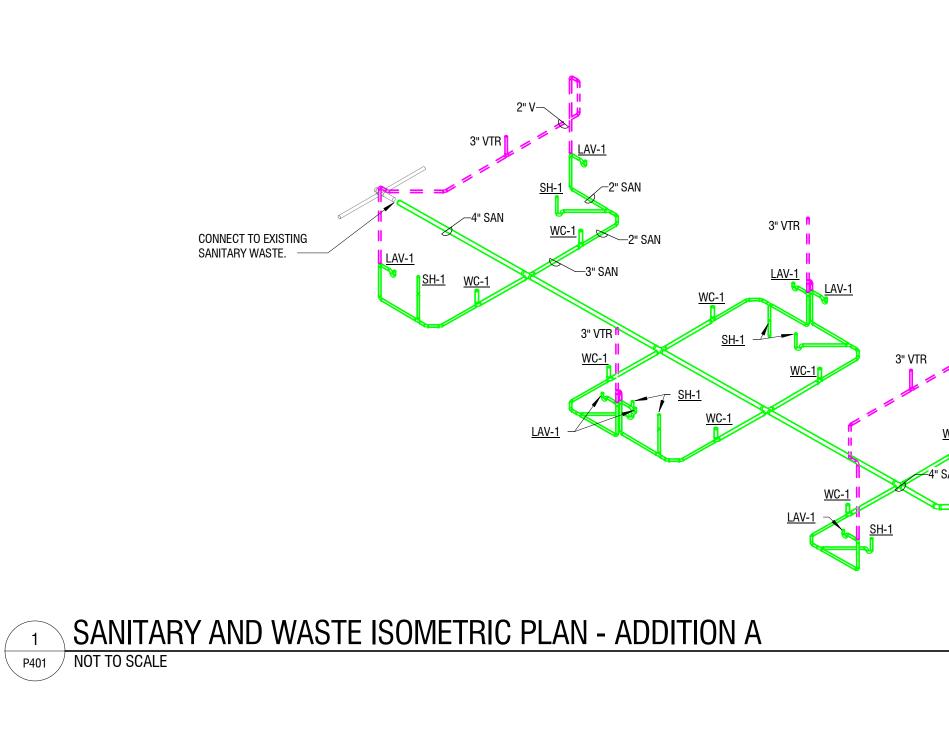


STUDIO WALES

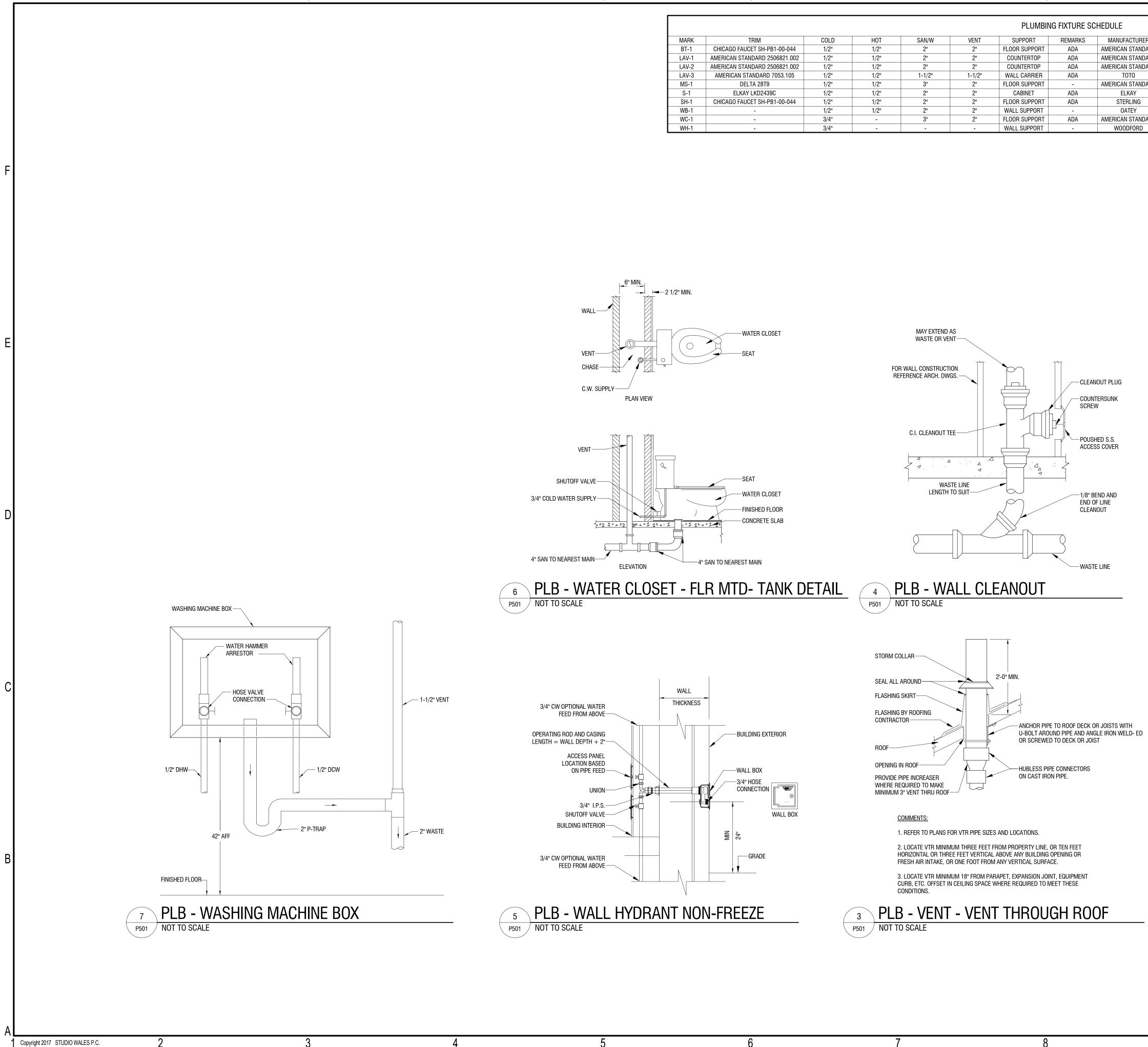




2 SANITARY AND WASTE ISOMETRIC PLAN - ADDITION B P401 NOT TO SCALE



10	11
	STUDIO WALES architecture
	3151 MILHAVEN LAKE DR., WINSTON-SALEM, NC 27106 p. 4140704.6764 I www.STUDIO-WALES.com
	A
	CORPORATE ENGINEERING LICENSE NO. C-0430
	SEAL CERT. NO. 047719 047719 047719 047719 047719 52904 MORTH CAROLING MORTH CAROLING
	DUCION CENTER AND NON CENTER AND E, CLANTON NC
	SPRINGBROOK NURSING ANI REHABILITATION CENTER ADDITION 195 SPRINGBROOK AVE, CLAYTON, NC
	CONSTRUCTION DOCUMENTS FOR CONSTRUCTION Revisions No. Description Date
LAV-1	E
<u>3H-1</u>	commission: NH-3138 sheet title: PLUMBING ENLARGED/ISOMETRIC PLANS sheet number :
	P401
10	11



					PLUMBING FIXTURE SCHEDULE				
MARK	TRIM	COLD	НОТ	SAN/W	VENT	SUPPORT	REMARKS	MANUFACTURER	MOE
BT-1	CHICAGO FAUCET SH-PB1-00-044	1/2"	1/2"	2"	2"	FLOOR SUPPORT	ADA	AMERICAN STANDARD	2963
LAV-1	AMERICAN STANDARD 2506821.002	1/2"	1/2"	2"	2"	COUNTERTOP	ADA	AMERICAN STANDARD	064300
LAV-2	AMERICAN STANDARD 2506821.002	1/2"	1/2"	2"	2"	COUNTERTOP	ADA	AMERICAN STANDARD	047602
LAV-3	AMERICAN STANDARD 7053.105	1/2"	1/2"	1-1/2"	1-1/2"	WALL CARRIER	ADA	тото	LT3
MS-1	DELTA 28T9	1/2"	1/2"	3"	2"	FLOOR SUPPORT	-	AMERICAN STANDARD	774100
S-1	ELKAY LKD2439C	1/2"	1/2"	2"	2"	CABINET	ADA	ELKAY	D233
SH-1	CHICAGO FAUCET SH-PB1-00-044	1/2"	1/2"	2"	2"	FLOOR SUPPORT	ADA	STERLING	62060
WB-1	-	1/2"	1/2"	2"	2"	WALL SUPPORT	-	OATEY	385
WC-1	-	3/4"	-	3"	2"	FLOOR SUPPORT	ADA	AMERICAN STANDARD	231AA
WH-1	-	3/4"	-	-	-	WALL SUPPORT	-	WOODFORD	MODE



