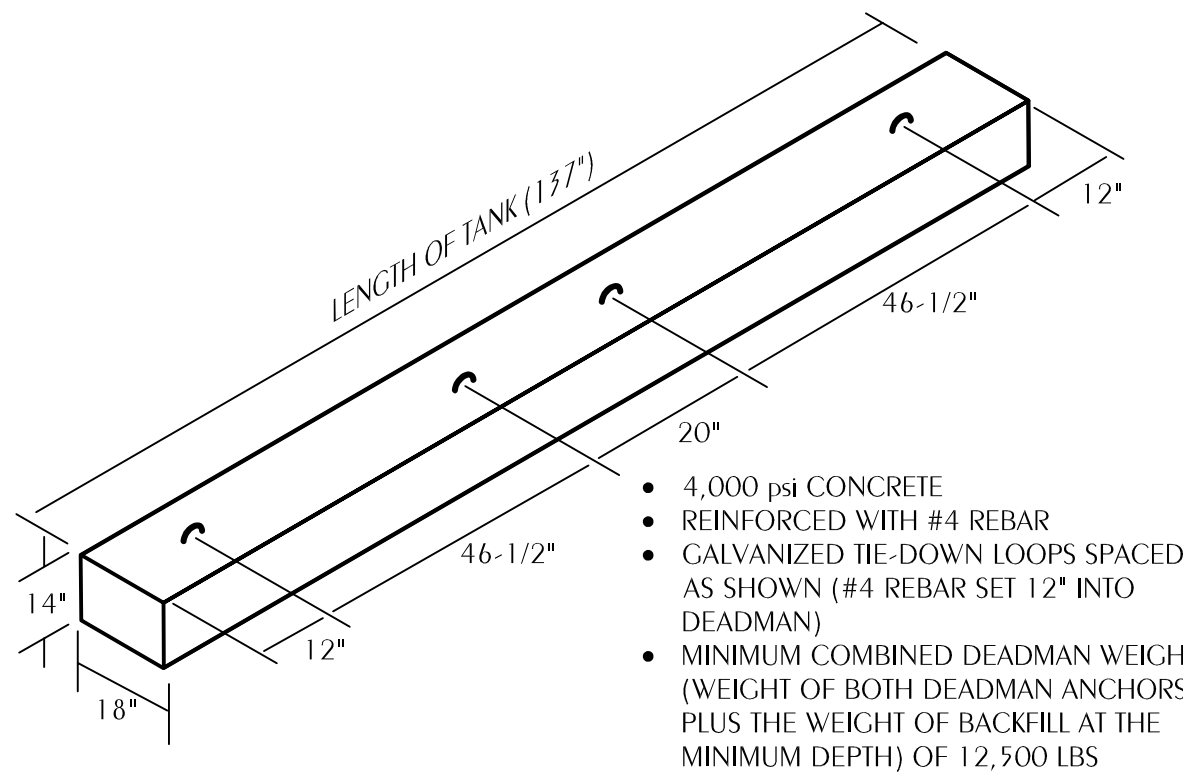
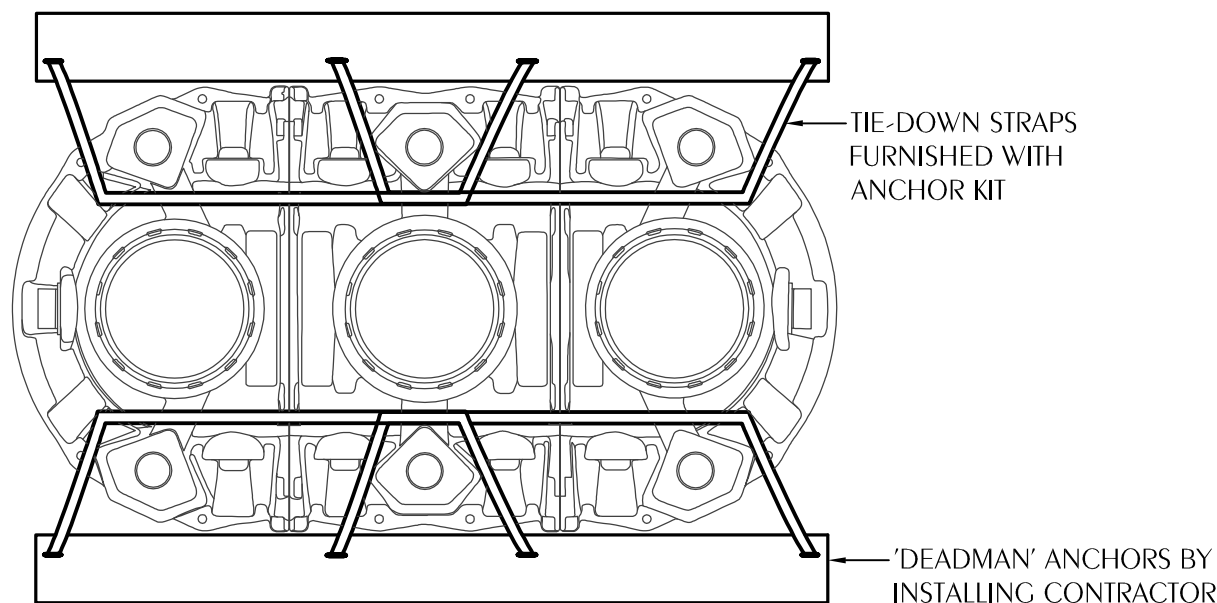
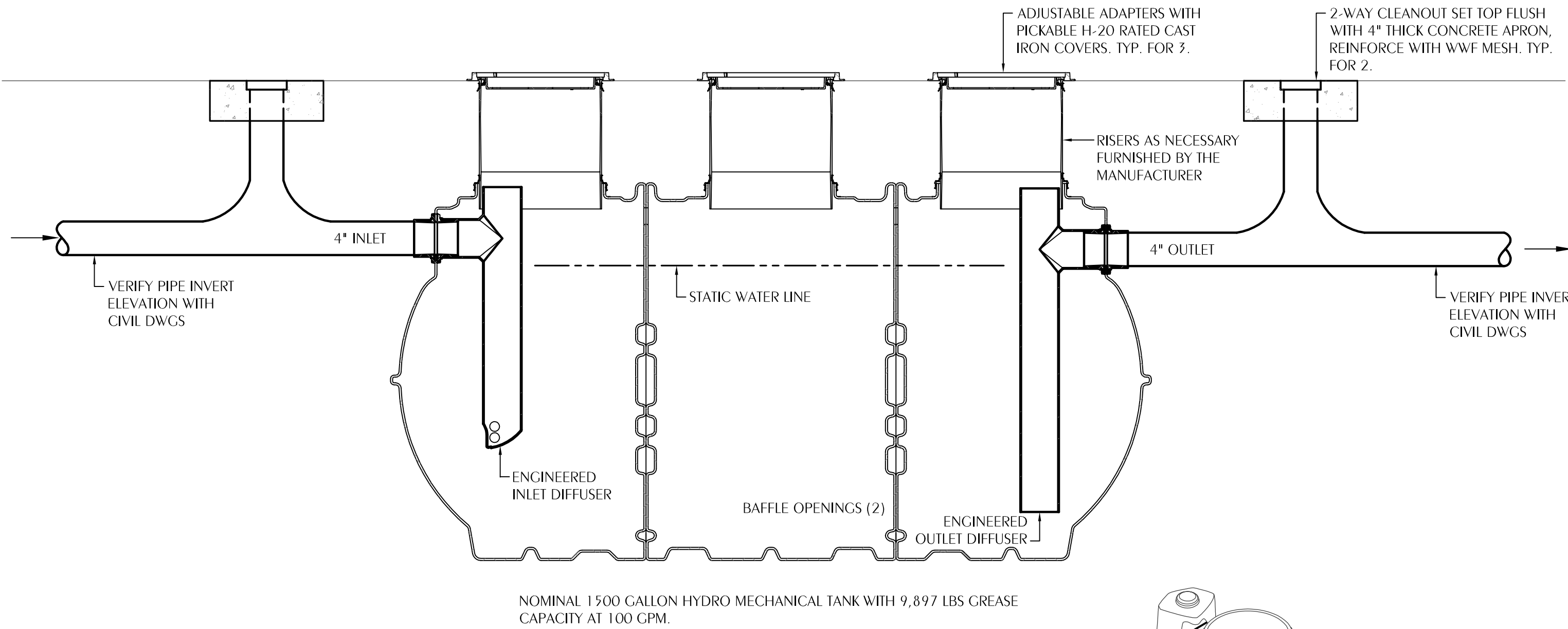


GENERAL PLUMBING NOTES

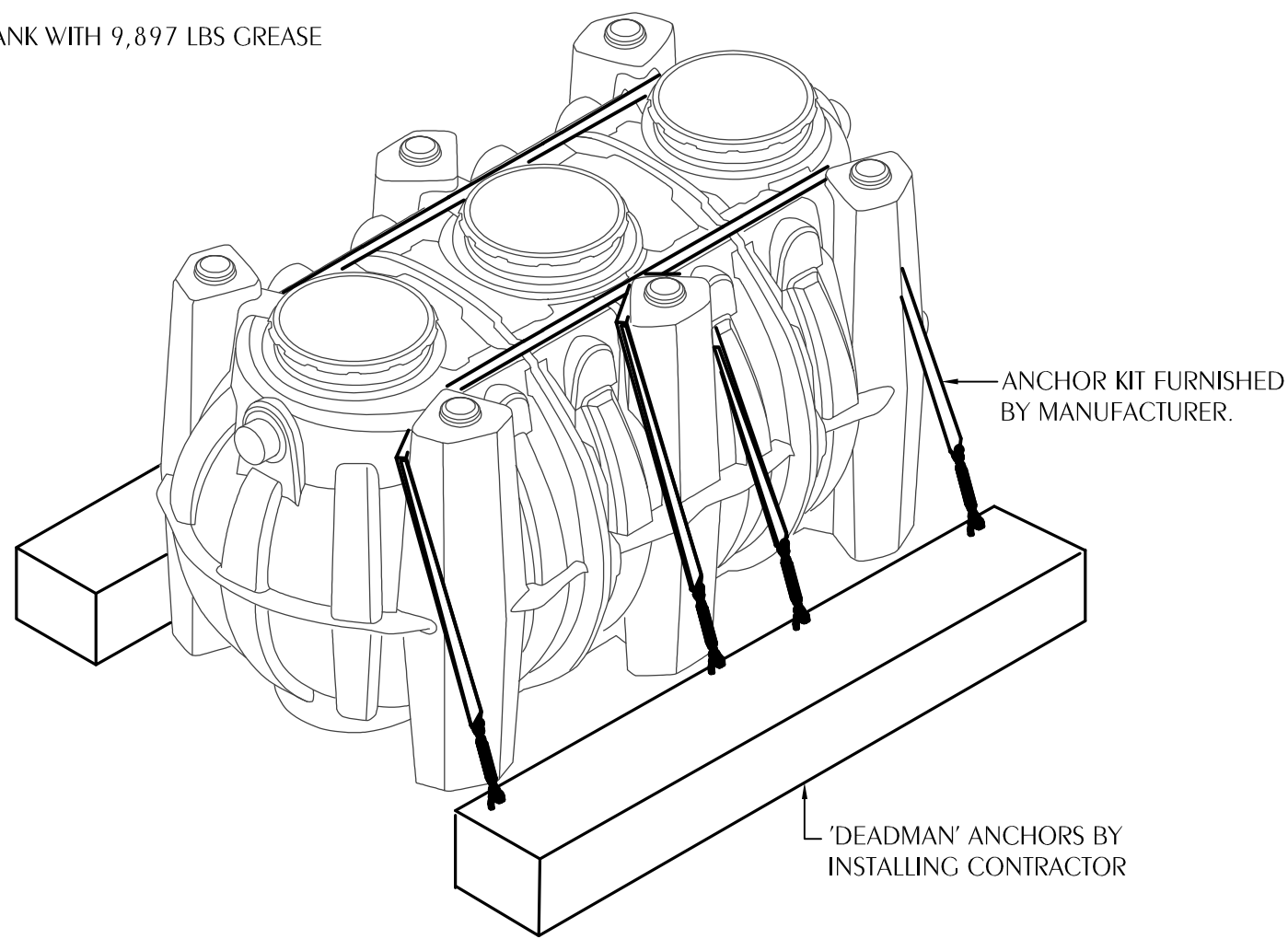
1. THE CONTRACTOR SHALL EXECUTE ALL WORK SO THAT IT PROCEEDS WITH A MINIMUM INTERFERENCE WITH OTHER TRADES.
2. VERIFY EXACT PLUMBING FIXTURE ROUGH-IN AND FINAL HVAC EQUIPMENT REQUIREMENTS IN THE FIELD.
3. DRAIN, WASTE, AND VENT PIPING SHALL BE POLYVINYL CHLORIDE (PVC) 'ASTM D 2665' BELOW GRADE. ABOVE GRADE PIPING SHALL BE AS SPECIFIED. NO PVC PIPING IS ALLOWED IN RETURN AIR PLENUMS. SEE MECHANICAL DRAWINGS AND COORDINATE WITH THE MECHANICAL CONTRACTOR IN THE FIELD.
4. DOMESTIC WATER PIPING SHALL BE COPPER ASTM B 88, TYPE K, WITH ANSI B16.18 OR ANSI B16.22 SOLDER JOINT FITTINGS USING SILVER SOLDER AND FLUX CONTAINING NOT MORE THAN 0.2 PERCENT LEAD. OR WITH ANSI B16.26 FLARED JOINT FITTINGS. ASTM B 88, TYPE L MAY BE PROVIDED FOR ABOVEGROUND PIPING. CONTRACTOR MAY PROVIDE CPVC OR PEX PIPING SYSTEM IN LIEU OF COPPER. PEX SHALL BE INCREASED ONE PIPE DIAMETER FOR LOSSES THRU FITTINGS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTIONS TO PLUMBING FIXTURES. THIS RESPONSIBILITY INCLUDES, BUT IS NOT LIMITED TO, FURNISHING AND INSTALLING ALL TRAPS, DRAINS, AND SUPPLIES WITH STOPS. FURNISH AND INSTALL PLUMBING FIXTURES INDICATED OR SPECIFIED. COMPLETE WITH ALL EQUIPMENT, FITTINGS, TRIM AND ACCESSORIES INDICATED OR SPECIFIED. EXPOSED WATER PIPING TO FIXTURES SHALL BE CHROME-PLATED BRASS, IPS. ADJUST WATER FLOW THROUGH ALL FIXTURES TO PROVIDE PROPER FLUSHING ACTION WITH THE LEAST AMOUNT OF WATER. FAUCETS SHALL HAVE UNDERDECK AND/OR ESCUTCHEON PLATES, IF REQUIRED, TO STABILIZE FAUCET WITHIN FIXTURE.
6. COORDINATE ROUTING OF WATER SUPPLY, WASTE, GAS, & VENT PIPING WITH OTHER TRADES.
7. THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES ALL REQUIRED OPENINGS AND EXCAVATIONS.
8. ALL ITEMS PROJECTING THROUGH THE ROOF SHALL BE FLASHED A MINIMUM OF 12" ABOVE THE ROOF. ALL VENTS SHALL BE A MINIMUM OF 10 FEET FROM ANY OUTSIDE AIR INTAKE.
9. ACCESS PANEL WHERE FITTINGS REQUIRING MAINTENANCE OR ISOLATION VALVES ARE LOCATED ABOVE NON-ACCESSIBLE CEILINGS OR SOFFITS (EXAMPLE PLASTER, METAL, OR GYPSUM BOARD), INSTALL AN ALL ALUMINUM CEILING ACCESS DOOR IN CEILING DIRECTLY BELOW EACH SUCH FITTING/VALVE. ACCESS DOORS SHALL BE ALL ALUMINUM CONSTRUCTION AND FASTENERS. PROVIDE ACCESS DOORS FACTORY PRIMED FOR PAINTING. FINISH PAINT WITH TWO COATS ENAMEL AFTER INSTALLATION TO MATCH EXISTING CEILING, SOFFIT, OR WALL.
10. FLOOR DRAIN NOTE: DRAINS SHALL BE SET AT LOW POINTS OF FLOOR WITH EVEN FLOOR SLOPE TO DRAIN. THE PLUMBING CONTRACTOR SHALL REVIEW THE FLOOR SLOPES SHOWN ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS, AND SHALL COORDINATE DRAIN ELEVATIONS WITH THE GENERAL CONTRACTOR AND THE SLAB INSTALLER.
11. ALL FLOOR DRAINS SHALL HAVE A 6" DEEP SEAL AND TRAPS WITH TRAP PRIMERS AS REQUIRED BY CODE. AN ACCESS PANEL MUST BE INSTALLED IF THE TRAP PRIMER FITTING IS LOCATED INSIDE A WALL OR ABOVE A HARD CEILING. COORDINATE OPENINGS WITH ARCHITECT. CONTRACTOR MAY INSTALL WATER CLOSET FLUSH VALVE OR LAVATORY TYPE PRIMER FITTINGS TO SERVE RESTROOM FLOOR DRAINS. INSTALL IN INCONSPICUOUS LOCATIONS. ALL EXPOSED PRIMER PIPING SHALL TURN BACK INTO FINISHED WALL PRIOR TO DRAIN CONNECTION. EXPOSED PIPING PENETRATIONS THRU FINISHED FLOOR SHALL NOT BE ACCEPTABLE. CONTRACTOR TO ENSURE THAT EACH TRAP PRIMER VALVE IS CLEANED AND FREE OF DEBRIS JUST PRIOR TO PROJECT COMPLETION.
12. PROVIDE STOPS AND SHOCK ABSORBERS IN ACCORDANCE WITH PDI AND ASSE 1010. AN ACCESS PANEL MUST BE INSTALLED IF WATER HAMMER ARRESTOR IS LOCATED INSIDE A WALL OR ABOVE A HARD CEILING. COORDINATE OPENINGS WITH ARCHITECT.
13. PROVIDE AN ACCESS PANEL IF ISOLATION/SHUTOFF VALVE OR FITTING REQUIRING MAINTENANCE IS LOCATED INSIDE A WALL OR ABOVE A HARD CEILING. ALL VALVES/SERVICABLE FITTINGS SHALL BE LOCATED WITHIN REACH OF ACCESS DOOR OR LAY-IN CEILING SYSTEM (18" MAX.). COORDINATE OPENINGS WITH ARCHITECT.
14. PROVIDE DIELECTRIC UNIONS AT ALL DISSIMILAR METAL CONNECTIONS.
15. INSULATE ALL HOT AND COLD WATER PIPING. DOMESTIC COLD WATER PIPE INSULATION SHALL BE 1/2" THICK. INSULATION FOR DOMESTIC HOT WATER PIPE SMALLER THAN 1-1/2" IN DIAMETER SHALL BE 1" THICK. INSULATION FOR DOMESTIC HOT WATER PIPE 1-1/2" AND LARGER SHALL BE 1-1/2" THICK. INSULATION SHALL BE GLASS FIBER WITH FACTORY APPLIED UNIVERSAL JACKET, AND 4 POUNDS PER CUBIC FOOT DENSITY. FITTINGS SHALL BE INSULATED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. INSULATION VAPOR BARRIER SHALL BE LAPPED AND CEMENTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. INSULATE DOMESTIC WATER AND WASTE PIPING UNDER LAVATORIES AND SINKS USING "LAVGUARD2 E-Z SERIES" MOLDED VINYL PIPING COVERS. COVER ALL PIPING, FITTING, VALVES, AND TRAPS EXPOSED TO VIEW.
16. ROUTE ALL PIPING AS HIGH AS POSSIBLE AND SO AS TO CAUSE MINIMAL INTERFERENCE FOR MAINTENANCE OF ALL EQUIPMENT. UNLESS OTHERWISE NOTED, ALL WATER SUPPLY PIPING IS ROUTED ABOVE THE CEILING AND BELOW ATTIC/ROOF INSULATION. ALL PIPING SHALL BE ROUTED WITHIN FLOOR JOIST AS REQUIRED TO ACCOMMODATE OTHER TRADES.
17. PIPE HANGERS AND SUPPORTS SHALL BE MSS SP-58 AND MSS SP-69, TYPE 1 OR 6, OF THE ADJUSTABLE TYPE, EXCEPT AS INDICATED OTHERWISE. ATTACHMENTS TO STEEL W OR S BEAMS SHALL BE WITH TYPE 21, 28, 29, OR 30 CLAMPS. ATTACHMENTS TO STEEL ANGLES AND CHANNELS (WITH WEB VERTICAL) SHALL BE WITH TYPE 20 CLAMP WITH A BEAM CLAMP CHANNEL ADAPTER. ATTACHMENTS TO STEEL CHANNEL (WITH WEB HORIZONTAL) SHALL BE WITH DRILLED HOLE ON CENTERLINE AND DOUBLE NUT AND WASHER. ATTACHMENTS TO CONCRETE SHALL BE WITH TYPE 18 INSERT OR A DRILLED HOLE WITH EXPANSION ANCHOR. ATTACHMENTS TO WOOD SHALL BE AS INDICATED. HANGER RODS AND ATTACHMENTS SHALL BE FULL SIZE OF THE HANGER-THREADED DIAMETER. PROVIDE TYPE 40 INSULATION PROTECTION SHIELDS FOR INSULATED PIPING. PROVIDE STEEL SUPPORT RODS. PROVIDE NONMETALLIC, HAIR FELT, OR PLASTIC PIPING ISOLATORS BETWEEN COPPER TUBING AND THE HANGERS.
18. PROVIDE SHUTOFF VALVE TO EACH SILLCOCK WITH VALVE IDENTIFICATION AS REQUIRED BY CODE.
19. ALL P-TRAPS SHALL BE 17-GAGE CAST BRASS.
20. CONTRACTOR TO VERIFY ALL LOCATIONS OF ROOF PENETRATIONS WITH ARCHITECTURAL DRAWINGS.
21. FIRE-STOP ALL PIPE PENETRATIONS OF FIRE AND SMOKE RATED ENCLOSURES. SEE ARCHITECTURAL DWGS. AND COORDINATE WITH ARCHITECT AND GENERAL CONTRACTOR IN THE FIELD.
22. FLOOR DRAINS RECEIVING INDIRECT DRAINAGE SHALL BE PROVIDED WITH RECESSED STRAINERS.
23. PROVIDE ANTI-SIPHON DEVICE ON ALL HOSE END CONNECTION FAUCETS AND HOSE BIBBS.
24. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED STATE/LOCAL PLUMBING CODES.
25. BEFORE FINAL ACCEPTANCE OF THE WORK, TEST EACH SYSTEM AS IN SERVICE TO DEMONSTRATE COMPLIANCE WITH LATEST EDITION OF THE INTERNATIONAL PLUMBING CODE AND LOCAL REQUIREMENTS. ONCE TEST ARE IN COMPLIANCE WITH CONTRACT REQUIREMENTS DISINFECT WATER SYSTEM IN ACCORDANCE WITH AWWA C651.
26. ALL DRAIN PIPING FROM INDIVIDUAL EQUIPMENT ROUTED TO THE HUB/FLOOR DRAIN/SINK SHALL BE HARD PIPED COPPER UNLESS OTHERWISE NOTED.

PLUMBING LEGEND

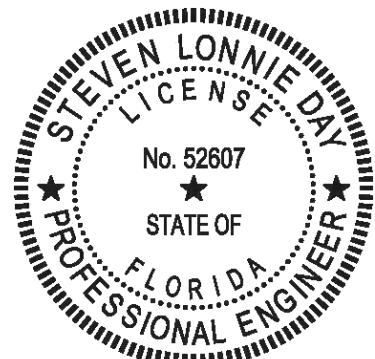
- WASTE PIPING, SIZED AS SHOWN.
- GREASE WASTE PIPING, SIZED AS SHOWN.
- NATURAL GAS PIPING, SIZED AS SHOWN.
- COLD WATER PIPING, SIZED AS SHOWN.
- BALL VALVE FOR SHUT-OFF SERVICE
- PIPING TURNED UP
- PIPING TURNED DOWN
- PIPING TURNED DOWN
- 3/4" FREEZEPROOF WALL HYDRANT WITH VACUUM BREAKER. SINGLE-CHECKM ATI-SIPHON WITH LOCKABLE WALL BOX. WOODFORD MODEL B65 OR APPROVED EQUIVALENT.
- GRADE LEVEL CLEANOUT. SEE 'GRADE CLEAN OUT INSTALLATION DETAIL' ON SHEET P100.



'DEADMAN' ANCHOR DETAIL



- NOTES:
- INSTALL GREASE INTERCEPTOR IN STRICT COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
 - IF THE INSTALLATION LOCATION IS IN A HIGH WATER TABLE OR AT RISK AREA, THE GREASE INTERCEPTOR MUST BE INSTALLED WITH MANUFACTURER-FURNISHED ANCHOR KIT WITH 'DEADMAN' ANCHORS PROVIDED BY THE INSTALLING CONTRACTOR AS SHOWN.
 - IF THE INSTALLATION LOCATION IS IN AN AREA WHERE THE WATER TABLE WILL CREST THE INLET/OUTLET PIPE, ADDITIONAL STEPS NEED TO BE TAKEN TO PROTECT THE INTERCEPTOR FROM THE EXTREME HYDROSTATIC FORCES. THE INTERCEPTOR MUST BE PLACED INSIDE A WATER-TIGHT VAULT OR ENCASED IN CONCRETE.



Steven L. Day, State of Florida, Professional Engineer, License No. 52807

This item has been digitally signed and sealed by Steven L. Day on the date indicated here.

07/02/2026

Signature must be verified on any electronic copies.

1 GREASE INTERCEPTOR DETAIL

P001 SCALE: NONE



Design - Build Contractor

230 West 5th Street
Panama City, FL 32401
(850) 215-5540

SPEC 2 AT WEST BAY TOWN
CENTER

8411 WEST BAY PKWY
PANAMA CITY BEACH, FL 32413

REVISION

#	DESCRIPTION	DATE

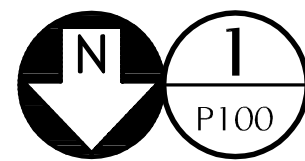
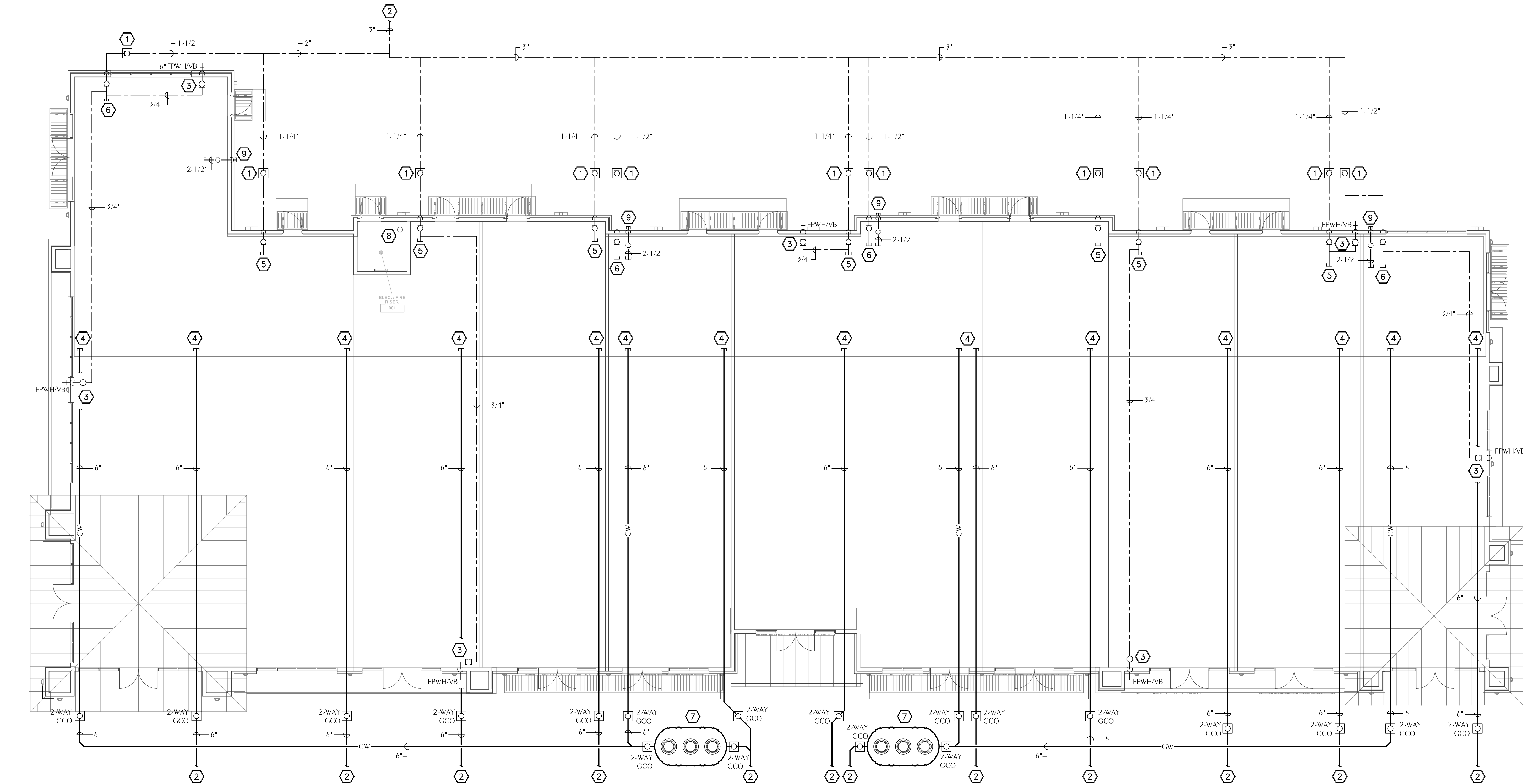
Designed By:
SLD

Drawn BY:
SLD

PLUMBING NOTES
AND DETAILS

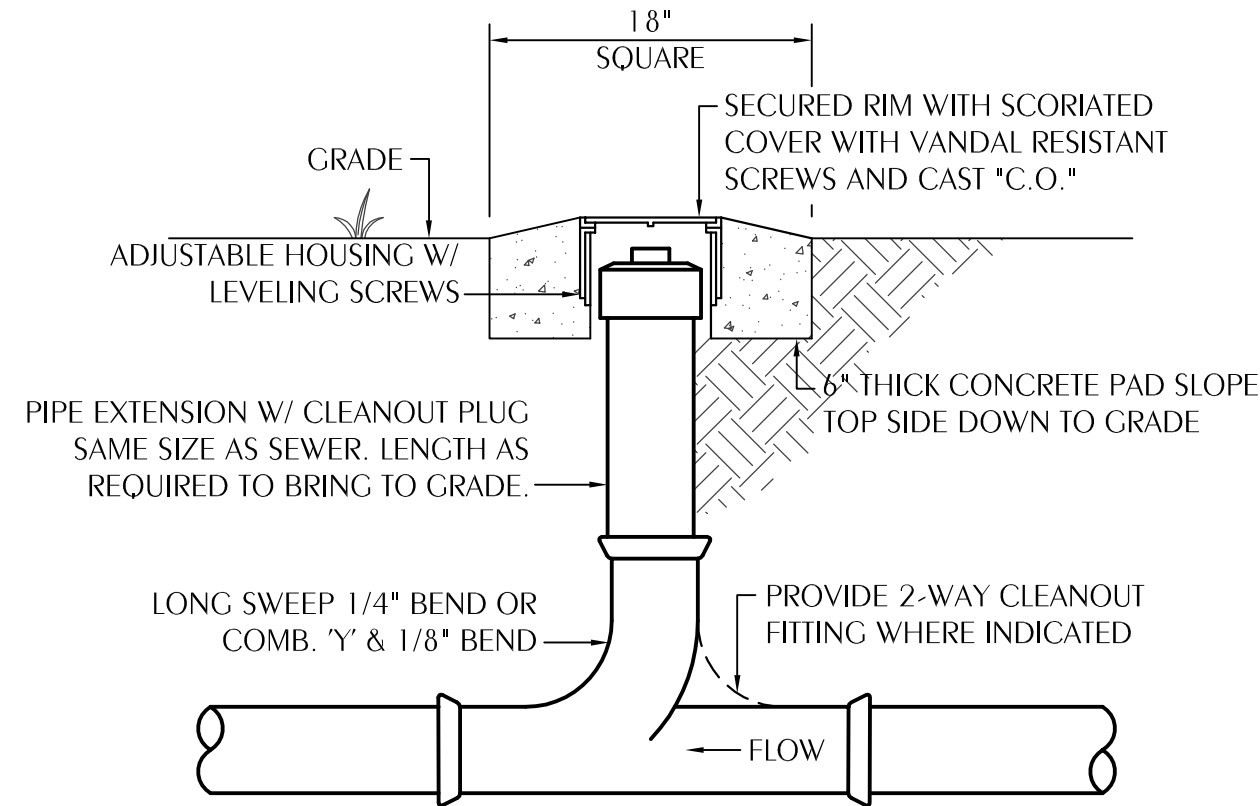
P001

07/02/2026



PLUMBING FLOOR PLAN

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



GRADE CLEAN OUT INSTALLATION DETAIL

NOT TO SCALE

GREASE INTERCEPTOR CALCULATIONS

NUMBER OF SEATS x GALLONS OF WASTE PER SEAT x (HOURS OF OPERATION / 12) x
LOADING FACTOR = INTERCEPTOR GALLON CAPACITY

ALL UNITS
GALLONS PER SEAT = 25
HOURS OF OPERATION = 16 (ESTIMATE)
LOADING FACTOR = 1.0
1 GALLON OF GREASE PER 8 GALLONS OF WATER
1 GALLON OF GREASE WEIGHS 7.5 POUNDS

UNITS 100 AND 108
NUMBER OF SEATS = 120 (ESTIMATE)

$120 \times 25 \times (16/12) \times 1.0 \times (7.5/8) = 3,750$ POUNDS OF GREASE

UNIT 104
NUMBER OF SEATS = 200 (ESTIMATE)

$200 \times 25 \times (16/12) \times 1.0 \times (7.5/8) = 6,250$ POUNDS OF GREASE

SHEET NOTES

- 1 FULL PORT SHUTOFF VALVE IN VALVE BOX.
- 2 SEE CIVIL DRAWINGS FOR CONTINUATION. COORDINATE CONNECTION OUTSIDE OF THE BUILDING WITH THE CIVIL DRAWINGS AND GENERAL CONTRACTOR IN THE FIELD.
- 3 PLUMBING CONTRACTOR TO ENSURE ALL SHUTOFF VALVES ARE EASILY ACCESSIBLE. PROVIDE LOCKABLE ACCESS PANEL IF INSTALLED IN WALL OR ABOVE HARD CEILING.
- 4 PROVIDE A 4" CAPPED STUB-OUT FOR FUTURE TENANT SANITARY WASTE PIPING IN AREA OF NO SLAB. COORDINATE LOCATION WITH THE OWNER, ARCHITECT AND GENERAL CONTRACTOR IN THE FIELD.
- 5 PROVIDE A 1-1/4" CAPPED DOMESTIC WATER STUB-OUT FOR FUTURE TENANT CONNECTION ABOVE CEILING LEVEL.
- 6 PROVIDE A 1-1/2" CAPPED DOMESTIC WATER STUB-OUT FOR FUTURE TENANT CONNECTION ABOVE CEILING LEVEL.
- 7 1,500 GALLON HYDROMECHANICAL GREASE INTERCEPTOR. SEE INSTALLATION DETAIL ON SHEET P001. COORDINATE LOCATION WITH THE CIVIL DRAWINGS.
- 8 SEE FIRE PROTECTION AND CIVIL DRAWINGS FOR FIRE SPRINKLER PIPING.
- 9 ROUTE 2-1/2" NATURAL GAS PIPING FROM ABOVE CEILING LEVEL DOWN INSIDE EXTERIOR WALL TO APPROXIMATELY 50" ABOVE GRADE. PENETRATE EXTERIOR WALL AND CAP BOTH ENDS. SEAL EXTERIOR WALL PENETRATION WEATHER TIGHT. COORDINATE WITH GENERAL CONTRACTOR IN THE FIELD.



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PANAMA CITY BEACH, FL 32413

REVISION		
#	DESCRIPTION	DATE

Designed By:
SLD

Drawn By:
SLD

PLUMBING PLAN

P100

07/02/2026