→ HOT WATER RETURN PIPING (HWR)

• → PIPING UP

← → → PIPING DOWN

PLUMBING FIXTURE IDENTIFICATION. SEE PLUMBING FIXTURE SCHEDULE

<u>VTR</u> VENT THROUGH ROOF

♠ ELEVATION

AFF ABOVE FINISHED FLOOR

BFF BELOW FINISHED FLOOR

S SANITARY WASTE

W WASTI

COORDINATE AND VERIFY EXACT LOCATIONS OF ALL PLUMBING FIXTURES WITH ARCHITECTURAL DRAWINGS

REFER TO RISER ON DRAWING AP-903 FOR DOMESTIC WATER

AND DRAWING AP-901 FOR WASTE AND VENT LINE SIZING

GENERAL PLUMBING NOTES

- 1. ALL PLUMBING WORK SHALL MEET ALL OF THE REQUIREMENTS OF THE FOLLOWING:
 - A. FLORIDA BUILDING CODE (FBC) 8TH EDITION (2023) (EFFECTIVE DECEMBER 31, 2023): THIS CODE INCLUDES THE 2023 FBC BUILDING, MECHANICAL, PLUMBING, ENERGY CONSERVATION, FUEL GAS, ACCESSIBILITY, AND TEST PROTOCOLS VOLUMES. FURTHER, SEE "REFERENCED STANDARDS" IN THE FBC BUILDING CHAPTER 35; FBC MECHANICAL CHAPTER 15; FBC PLUMBING CHAPTER 15; FBC ENERGY CONSERVATION CHAPTER 6; AND FBC FUEL GAS CHAPTER 8).
 - 3. 8TH EDITION OF THE FLORIDA FIRE PREVENTION CODE (FFPC): THIS CODE ALSO INCLUDES THE FLORIDA VERSIONS OF NFPA 1 AND NFPA 101. (EFFECTIVE DECEMBER 31, 2023).
 - C. 2020 NATIONAL ELECTRIC CODE.
 - D. STATE OF FLORIDA, DEPARTMENT OF ENVIRONMENTAL REGULATION RULES.
 - E. FDOT BUILDING FACILITIES DESIGN MANUAL 625-202-016-F REVISED MAY 2020.
- 2. PROVIDE COMPLETE PLUMBING SYSTEMS AS DETAILED. WORK CONSISTS OF FURNISHING ALL MATERIALS, EQUIPMENT, AND SERVICES REQUIRED FOR COMPLETE SYSTEMS.
- 3. IN GENERAL, PLANS ARE SCHEMATIC ONLY AND SHOULD NOT BE SCALED. ALL FLOOR DRAINS IN MECHANICAL ROOMS/CLOSETS, SHALL BE FIELD VERIFIED AND COORDINATED WITH THE HVAC EQUIPMENT/PAD LOCATIONS.
- 4. COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS.
- 5. COORDINATE LOCATIONS OF FLOOR DRAINS, CLEAN OUTS AND FLOOR HYDRANTS WITH THE ARCHITECTURAL DRAWINGS.
- 6. UNLESS OTHERWISE NOTED, ALL PIPING SHALL BE RUN IN CONCEALED SPACES.
- 7. WATER PIPING SHALL BE HARD DRAWN COPPER TYPE L WITH WROUGHT COPPER FITTINGS AND 95-5 SOLDER.
- 8. ALL SOIL, WASTE, AND VENT PIPING SHALL BE SCHEDULE 40 PVC DWV.
- 9. SANITARY PIPING BELOW THE GROUND FLOOR SLAB SHALL BE SCHEDULE 40 DWV PVC SOIL PIPE AND FITTINGS.
- 10. VENT THROUGH ROOF TERMINALS SHALL BE LOCATED 10'-0" AWAY FROM ANY BUILDING INTAKE OPENINGS. COORDINATE WITH THE MECHANICAL CONTRACTOR.
- 11. ALL FIRE STOPPING SHALL BE INSTALLED IN CONFORMANCE WITH THE MANUFACTURER'S U.L. DETAILS OF THE PRODUCTS USED SPECIFICALLY ON THIS PROJECT. APPLICABLE U.L. DETAILS SHALL BE SUBMITTED FOR THE ENGINEER'S REVIEW AND A COPY SHALL BE AVAILABLE ON SITE FOR USE BY THE AUTHORITY HAVING JURISDICTION.
- 12. UNLESS NOTED OTHERWISE, ALL PLUMBING EQUIPMENT, MATERIALS, AND WORKMANSHIP SHALL BE GUARANTEED FOR A ONE YEAR PERIOD FROM DATE OF ACCEPTANCE.
- 13. PROVIDE ALL CUTTING REQUIRED FOR THE INSTALLATION OF PLUMBING WORK. FINISH PATCHING SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR/CONSTRUCTION MANAGER.
- 14. ALL SOIL AND WASTE PIPING 2-1/2" AND SMALLER SHALL BE SLOPED AT 1/4" PER FOOT. LARGER WASTE PIPING SHALL BE SLOPED AT 1/8" PER FOOT. ALL HORIZONTAL RAIN LEADER LINES SHALL BE SLOPED AT 1/8" PER FOOT.
- 15. ALL WATER PIPING SHALL BE SUPPORTED RIGIDLY AND IN LINE FROM THE BUILDING STRUCTURE. OFFSET PIPING TO AVOID STRUCTURAL MEMBERS, CANTS, FLASHING, MECHANICAL AND ELECTRICAL EQUIPMENT, ETC.
- 16. VERIFY ALL SITE RELATED SANITARY & WATER CONNECTIONS PRIOR TO STARTING WORK. SHOULD DEPTHS BE DIFFERENT THAN THAT SHOWN HEREIN ADVISE ENGINEER IMMEDIATELY.
- 17. PRIOR TO SITE UTILITIES WORK, CALCULATE THE INVERTS FOR ALL SANITARY WASTE CONNECTIONS BASED ON ACTUAL CONDITIONS. COORDINATE SANITARY WASTE LOCATIONS AND INVERTS WITH SITE UTILITIES CONTRACTOR.
- 18. WASTE AND STORM LINES RECEIVING BELOW AMBIENT TEMPERATURE CONDENSATE SHALL BE INSULATED WITH 1/2" FLEXIBLE UNICELLULAR FOAM (ARMAFLEX OR EQUIVALENT) INSULATION TO GRADE.

ROAD NO.

NORTH W

STREET

19. VALVES AND FITTINGS SHALL BE OF SAME SIZE OF LINE ON WHICH THEY ARE INDICATED.

- 20. INSTALL WATER HAMMER SHOCK ARRESTORS AT EACH FIXTURE OR BATTERY OF FIXTURES WHERE REQUIRED. ARRESTORS SHALL BE FACTORY FABRICATED. INSTALL ARRESTORS AND SIZE PER PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I WH-201. AIR CHAMBERS SHALL NOT BE CONSIDERED EQUIVALENT TO WATER HAMMER SHOCK ARRESTORS.
- 21. ALL FLOOR DRAINS SHALL BE PROVIDED WITH TRAP PRIMER VALVE AND FITTINGS.
 REFER TO THE TRAP PRIMER DETAIL ON DRAWING AP-501. EXPOSED PIPE SHALL BE
 COPPER, AND PIPE IN SLAB AND BELOW MAY BE CPVC.
- 22. ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR IN CHASES EXCEPT WHERE SPECIFICALLY NOTED OR IN THE MECHANICAL ROOM. ANY PIPING EXPOSED TO VIEW SHALL BE RELOCATED AT NO ADDITIONAL COST TO THE OWNER IF DETERMINED BY THE OWNER TO BE OBJECTIONABLE.
- 23. PROVIDE ACCESS PANELS TO ALL VALVES WITHIN CHASES OR ABOVE NON- ACCESSIBLE CEILINGS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
- 24. PROVIDE DIELECTRIC ISOLATION/SEPARATION (I.E. UNIONS) AT CONNECTIONS OF DISSIMILAR METALS.
- 25. ROUGH-IN ALL WASTE AND SUPPLIES TO SPECIAL EQUIPMENT ACCORDING TO MANUFACTURE'S SHOP DRAWINGS AND MAKE FINAL CONNECTIONS TO RENDER EQUIPMENT FULLY OPERATIONAL. ALL SUPPLIES SHALL BE VALVED. PROVIDE VACUUM BREAKERS OR CHECK VALVES WHERE REQUIRED BY AUTHORITY HAVING JURISDICTION.
- 26. PLUMBING CONTRACTOR SHALL TAG ALL VALVES WITH STAMPED BRASS TAGS. PROVIDE FIELD COORDINATED VALVE SCHEDULE MOUNTED IN 8-1/2"X11" PICTURE FRAME IN THE MECHANICAL ROOM.
- 27. ALL EXPOSED PLUMBING PENETRATIONS SHALL HAVE ESCUTCHEON PLATES.
- 28. ANY PLUMBING ITEMS EXPOSED TO VIEW SHALL BE PLACED PER THE ARCHITECTURAL DRAWINGS.
- 29. PROVIDE A BLUE STICKER ON CEILING GRID TEE BELOW ANY WATER VALVE ABOVE CEILING FOR LOCATION FACILITATION.
- 30. 3/8" HOT WATER RUNOUTS FROM HOT WATER RECIRCULATING LINES OR INSTA-HOT WATER HEATERS SHALL NOT EXCEED 30" IN LENGTH.
- 31. ONE WEEK PRIOR TO SUBSTANTIAL COMPLETION, SUBMIT DATE STAMPED VIDEO DOCUMENTING CONDITION OF UNDERGROUND WASTE LINES. ANY LINES FOUND TO BE OCCLUDED SHALL BE RODDED AND FLUSHED OUT AND THEN VIDEO DOCUMENTED AGAIN.
- 32. SEE TSP FOR ADDITIONAL REQUIREMENTS.

	PLUMBING DRAWING INDEX
SHEET NUMBER	SHEET NAME
AP-001	PLUMBING LEGEND AND GENERAL NOTES
AP-100	PLUMBING SITE PLAN
AP-111	PLUMBING PLAN
AP-301	PLUMBING SECTIONS
AP-401	ENLARGED PLUMBING PLANS
AP-501	PLUMBING DETAILS
AP-601	PLUMBING EQUIPMENT SCHEDULE
AP-602	PLUMBING FIXTURE SCHEDULE
AP-603	PLUMBING FIXTURE SCHEDULE - CONTINUED
AP-901	PLUMBING - SANITARY WASTE ISOMETRIC
AP-902	PLUMBING - PARTIAL SANITARY WASTE ISOMETRIC
AP-903	PLUMBING - DOMESTIC WATER ISOMETRIC
AP-904	PLUMBING - PARTIAL DOMESTIC WATER ISOMETRIC
SHEETS: 1	13

No. Date

Issue / Revision

(II)WG

STEPHEN R. FORKNER, PE PE 80532

TAMPA, FL 33607

WGI, INC. 3111 W. DR. MARTIN LUTHER KING JR. BLVD. SUITE 375

ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

COUNTY FINANCIAL PROJECT ID

ESCAMBIA 451524-1-38-01

PLUMBING LEGEND AND GENERAL NOTES DWG NO.

AP-001

SHEET NO.

UNDER RULE 61G15-23.0. S AND SPECIFICATIONS C TIN ACCORDANCE WITH F EALED U PLANS HORITY SIGNED ON TEDGO IC FILE DIGITALLY
OR ENGINEER'S KN
DETERMINED BY 'E OFFICIAL RECORD OF THIS SHEET IS THE ELECTRO. NERAL DISCLAIMER: TO THE BEST OF THE ARCHITECT' DES AND THE APPLICABLE FIRE SAFETY STANDARDS A

APPLICABLE MINIMUM BUILDING CHAPTER 63, FLORIDA STATUES

THE AND

NORTH W STREET

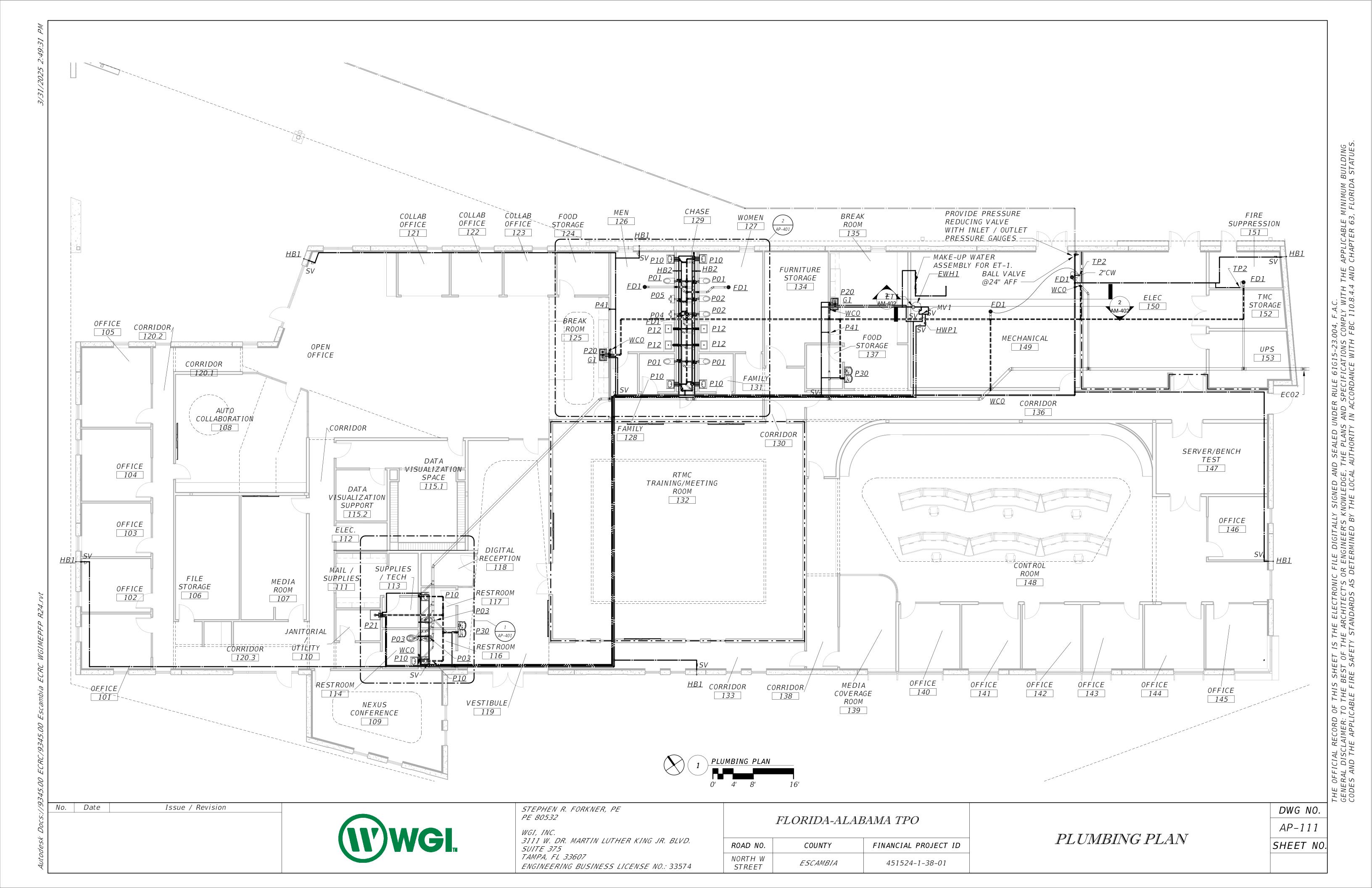
ESCAMBIA

IGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C. DWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING HE LOCAL AUTHORITY IN ACCORDANCE WITH FBC 110.8.4.4 AND CHAPTER 63, FLORIDA STATUES. THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY S GENERAL DISCLAIMER: TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNC CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY TI

3111 W. DR. MARTIN LUTHER KING JR. BLVD. SUITE 375 TAMPA, FL 33607 ENGINEERING BUSINESS LICENSE NO.: 33574

451524-1-38-01

SHEET NO.



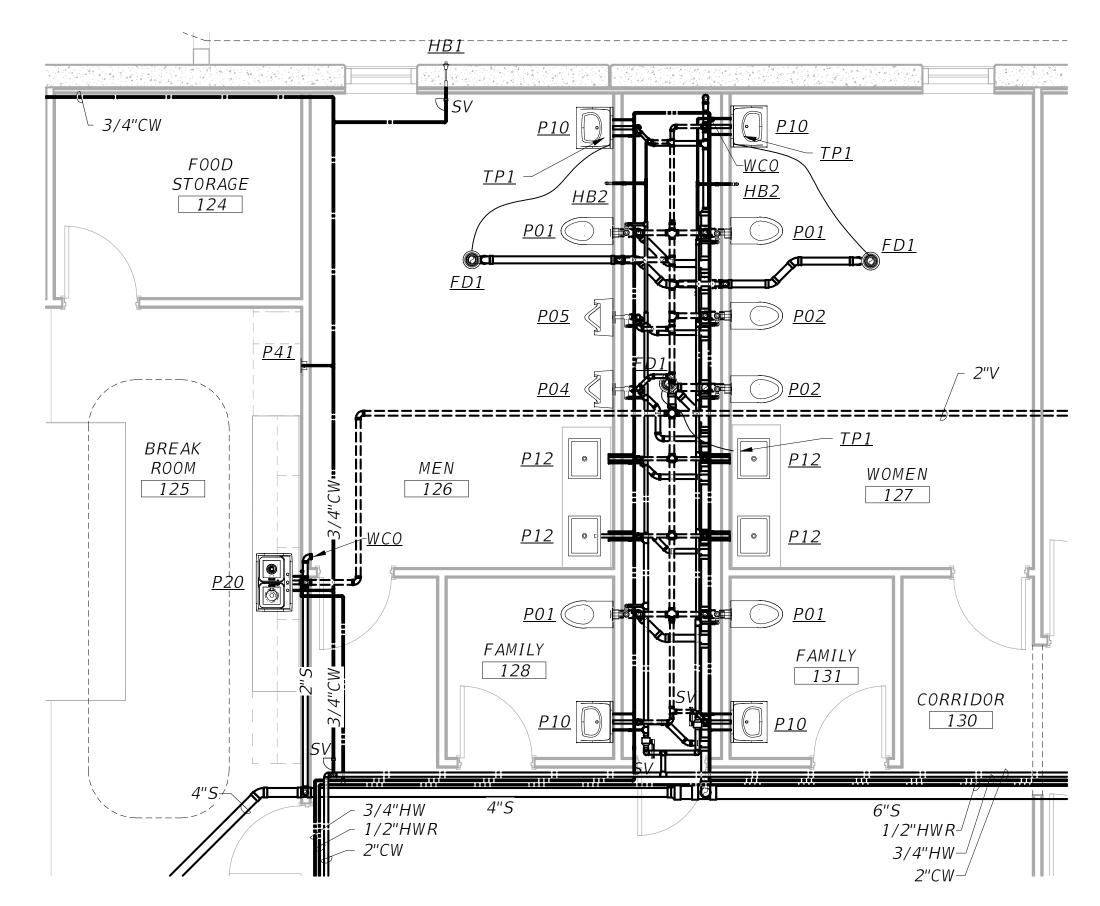
ENGINEERING BUSINESS LICENSE NO.: 33574

ESCAMBIA

451524-1-38-01

RULE 61G15-23.004, F.A.C. PECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING ORDANCE WITH FBC 110.8.4.4 AND CHAPTER 63, FLORIDA STATUES THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY S GENERAL DISCLAIMER: TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNC CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY TI







STEPHEN R. FORKNER, PE PE 80532

WGI, INC. 3111 W. DR. MARTIN LUTHER KING JR. BLVD. SUITE 375 TAMPA, FL 33607 ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO FINANCIAL PROJECT ID COUNTY NORTH W STREET

ESCAMBIA

451524-1-38-01

ROAD NO.

ENLARGED PLUMBING PLANS

DWG NO. AP-401 SHEET NO.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61615–23.004, F.A.C. GENERAL DISCLAIMER: TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE 63, FLORIDA STATUES CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH FBC 110.8.4.4 AND CHAPTER 63, FLORIDA

ELECTRIC

WATER HEATER

PIPING ARRANGEMENT.

REFER TO ELECTRIC WATER

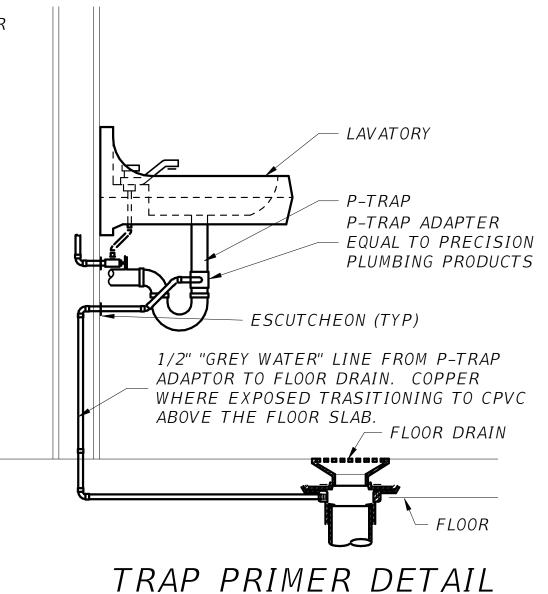
HEATER PIPING DETAIL FOR

GALVANIZED STEEL DRAIN PAN. 2" LARGER THAN HEATER (MAX)

PLACE HEATER ON WALL BRACKET FABRICATED FROM 1-1/2" GALV. STEEL ANGLE. BOTTOM OF SUPPORT TO BE 6'-8"AFF. PROVIDE MOUNTING PLATES IN WALL AS REQUIRED. PROVIDE ARMAFLEX PAD ALONG BOTTOM EDGE OF STEEL ANGLE TO PROTECT OCCUPANTS FROM INJURY PAINT HANGER AND PAD AS DIRECTED BY THE ARCHITECT.

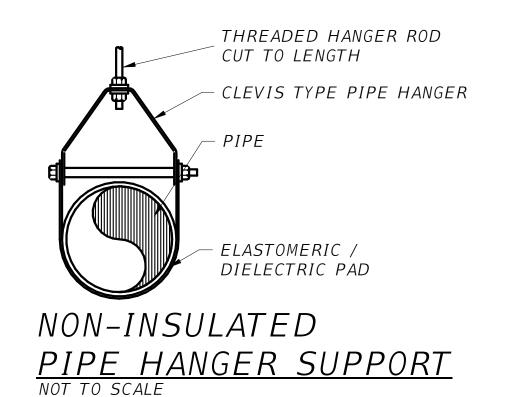
REFER TO WATER HEATER MIXING VALVE MV1 MOUNTING DETAIL SET TO 105°F THERMOMETER CHECK VALVE EXPANSION TANK CONTROL DEVICE (ET 1) BALL VALVE *VACUUM* (TYPICAL) BREAKER THERMOMETER TEMP. AND PRESSURE RECIRCULATION RELIEF VALVE TO PUMP (HWP1) SERVICE SINK OR TERMINATE 6" ABOVE - CHECK VALVE GRADE @ BUILDING EXTERIOR DIELECTRIC UNION (TYPICAL)

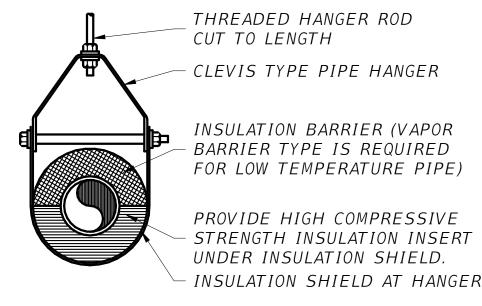
ELECTRIC WATER HEATER PIPING DETAIL WITH RECIRCULATION PUMP



NOT TO SCALE

ELECTRIC WATER HEATER WALL HUNG DETAIL NOT TO SCALE







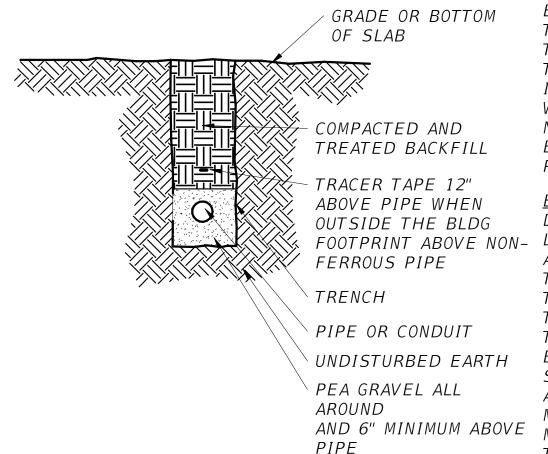
WATER HAMMER ARRESTOR. REFER TO SPECIFICATIONS FOR ADDITIONAL

POTABLE SUPPLY PIPING

WATER SUPPLY PIPE DOWN TO

PLUMBING FIXTURES.

REQUIREMENTS.



NOT TO SCALE

REF. PDI

HEAT TRAP

TRENCHING FOR PLUMBING LINES:

OVEREXCAVATION: WHERE TRENCHES ARE EXCAVATED BELOW THE INSTALLATION LEVEL OF THE PIPE SUCH THAT THE BOTTOM OF THE TRENCH DOES NOT FORM THE BED FOR THE PIPE, THE TRENCH SHALL BE BACKFILLED TO THE INSTALLATION LEVEL OF THE BOTTOM OF THE PIPE WITH SAND OR FINE GRAVEL PLACED IN LAYERS NOT GREATER THAN 6" IN DEPTH AND SUCH BACKFILL SHALL BE COMPACTED AFTER EACH PLACEMENT.

BACKFILLING: BACKFILL SHALL BE FREE FROM DISCARDED CONSTRUCTION MATERIAL AND DEBRIS LOOSE EARTH FREE FROM ROCKS, BROKEN CONCRETE AND FROZEN CHUNKS SHALL BE PLACED IN THE TRENCH IN 6" LAYERS AND TAMPED IN PLACE UNTIL THE CROWN OF THE PIPE IS COVERED BY 12" OF TAMPED EARTH. THE BACKFILL UNDER AND BESIDE THE PIPE SHALL BE COMPACTED FOR PIPE SUPPORT BACKFILL SHALL BE BROUGHT UP EVENLY ON BOTH SIDES OF THE PIPE SO THAT THE PIPE REMAINS ALIGNED. IN INSTANCES WHERE THE MANUFACTURER'S INSTRUCTIONS FOR MATERIALS ARE MORE RESTRICTIVE THAN THOSE PRESCRIBED BY THE CODE, THE MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE MORE RESTRICTIVE REQUIREMENT.

REVERSIBLE 1 1/2" 7 5/8" HANDHOLE RING AND COVER (U.S. FOUNDRY AND MFG. CORP. #USF COVER SECTION <u>PLAN</u> 7623) (OR EQUIVALENT) *PROPOSED* GRADE CLASS "B" CONCRETE CONNECTION TO BUILDING 8 5/8" RING SECTION MOLDED PVC TEE <u>SECTION</u>

EXTERIOR CLEAN-OUT DETAIL (ECO2) NOT TO SCALE

FOUNDATION WALL

CAST IRON CARRIER PIPE SLEEVE TO EXTEND 2" PAST FOUNDATION WALL ON EACH SIDE WHERE PENETRATION IS MADE ABOVE FOOTING.

SEAL VOID BETWEEN WASTE LINE AND SLEEVE WITH ROOM TEMPERATURE VULCANISING (RTV) FOAM AT EACH END

4. SLOPED WASTE LINE ABOVE FOOTING PIPING SHALL NOT BE RUN THROUGH FOOTINGS FOOTING COMPACTED BACK FILL CONE OF INFLUENCE 45° OUTWARD FROM BOTTOM OF FOUNDATION FOOTING

SLOPED WASTE LINE BELOW FOOTING CAST IRON CARRIER PIPE SLEEVE TO EXTEND 12" (MIN.) OUTSIDE CONE OF INFLUENCE WHERE PENETRATION IS MADE BELOW FOOTING. CARRIER SLEEVE TO BE A MINIMUM

WASTE LINE AND SLEEVE WITH RTV FOAM AT EACH END

SEAL VOID

BETWEEN

OF TWO PIPE SIZES LARGER THAN THE LINE SIZE. FOUNDATION PIPE SLEEVE DETAIL

WATER HAMMER ARRESTOR DETAIL

WATER HAMMER ARRESTOR DETAIL NOT TO SCALE

TRENCHING FOR PLUMBING PIPING

WATER HAMMER ARRESTOR.

ADDITIONAL REQUIREMENTS.

POTABLE SUPPLY PIPING

PIPING TO FIXTURES

REFER TO SPECIFICATIONS FOR

NOT TO SCALE STEPHEN R. FORKNER, PE PE 80532

WGI, INC. 3111 W. DR. MARTIN LUTHER KING JR. BLVD. SUITE 375 TAMPA, FL 33607

ENGINEERING BUSINESS LICENSE NO.: 33574

UNITS

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12-32

33-60

155-33

IZING BASED ON

PRECISION PLUMBING

PRODUCTS "SWEAT IT ON"

′4"<mark>| 61-113</mark>

1/2" 114-15

MODEL

	FLORIDA-ALABAMA TPO												
ROAD NO.	COUNTY	FINANCIAL PROJECT ID											
NORTH W STREET	ESCAMBIA	451524-1-38-01											

NOT TO SCALE

PLUMBING DETAILS

DWG NO. *AP-501* SHEET NO.

No. Date

Issue / Revision

Issue / Revision

WGI, INC. 3111 W. DR. MARTIN LUTHER KING JR. BLVD. SUITE 375 TAMPA, FL 33607 ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

COUNTY

ESCAMBIA

ROAD NO.

NORTH W STREET

FINANCIAL PROJECT ID 451524-1-38-01

PLUMBING EQUIPMENT SCHEDULE

DWG NO. AP-601 SHEET NO.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15–23.004, F.A.C. GENERAL DISCLAIMER: TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH FBC 110.8.4.4 AND CHAPTER 63, FLORIDA STATUES.

	PLUMBING EQUIPM	ENT SCHEL	DULE				
MARK	DESCRIPTION	SELECTION	W OR S	TRAP	VENT	HW	CW
FD1	FLOOR DRAIN 3" FLOOR DRAIN WITH TRAP PRIMER CONNECTED TO DOMESTIC COLD WATER LINE AT LAVATORY. NICKEL BRONZE TOP. 6" ROUND. CAST IRON BODY WITH FLASHING COLLAR AND ADJUSTABLE STRAINER.	SMITH 2005-A-6"	3"	3"	1-1/2"	-	-
TP1	TRAP PRIMER TAILPIECE. GRAVITY FED DEVICE WITH NO MECHANICAL PARTS. 1-1/4" TAILPIECE WITH 1/2" NOMINAL ARM FOR CONNECTION TO FLOOR DRAIN. USE TRAP PRIMER TAILPIECE IN- LIEU OF STANDARD LAVATORY TAILPIECE WHERE SPECIFIED. ASSE 1044 APPROVED.	SIOUX CHIEF 213-092	-	-	-	-	-
TP2	AUTOMATIC TRAP PRIMER DISTRIBUTION UNIT WITH 3-OUTLETS(MAX)	ZURN Z1022 -XL-DU3-LT	-	-	-	_	-
HB1	HOSE BIBB RECESSED WALL HYDRANT WITH LOOSE KEY HANDLE AND 3/4" HOSE THREADED OUTLET, INTEGRAL ANTI-SIPHON, VACUUM BREAKER. MOUNT 18" ABOVE GRADE. COORDINATE MTG. HEIGHT WITH GRADING PLAN.	ZURN Z-1322XL-EZ WOODFORD B75 2493/4-BR-MH	-	-	-	-	3/4'
HB2	HOSE BIBB POLISHED CHROME WALL SILL FAUCET WITH 3/4" FLANGED FEMALE INLET, TEE HANDLE AND 3/4" HOSE THREAD OUTLET. PROVIDE WITH VACUUM BREAKER. MOUNT 18" ABOVE FLOOR.	CHICAGO 387CP-E27	-	-	-	-	3/4'
MV 1	MIXING VALVE THERMOSTATIC CONTROLLED WITH REMOVABLE STRAINER, STAINLESS STEEL PISTON AND LIQUID FILL THERMAL MOTOR WITH BELLOWS MOUNTED OUT OF WATER. SET WATER TEMP. @105°F.	SYMMONS TEMPCONTROL 7-200	-	-	-	3/4"	3/4'
VTR	VENT THROUGH ROOF TERMINAL. REFER TO ARCHITECTURAL DETAIL.	-	-	_	_	_	-
EWH1	ELECTRIC WATER HEATER 1,500 WATTS, 208 VOLT, SINGLE PHASE, 30 GALLON ELECTRIC WATER HEATER.	RHEEM EGSP30	-	-	-	3/4"	3/4'
HWP1	HOT WATER RECIRCULATOR PUMP WITH INTEGRAL TIMER & AQUASTAT. THREE SPEED, WET ROTOR, DIRECT DRIVE, CENTRIFUGAL PUMP. UL LISTED AND CSA APPROVED. 120V, 85 WATTS, 1/25 HP, CORD. ALL BRONZE CONSTRUCTION.	GRUNDFOS UP 15-18B7A/T	-	-	-	-	3/4
ET1	EXPANSION TANK 2.5 GAL, 16 GA. STEEL TANK, BUTYL RUBBER / POLYPROPYLENE WATER CHAMBER.	FLEXCON PH 5	-	-	-	_	3/4'
WCO	CAST IRON TEE WALL CLEAN-OUT WITH BRONZE PLUG AND ROUND STAINLESS STEEL COVER PLATE. SIZE C.O. SAME AS LINE SIZE (2-1/2" MINIMUM). PROVIDE PVC TO NO-HUB ADAPTERS FOR PVC DWV APPLICATIONS.	SMITH 4351S-Y	2-1/2" MIN.	-	-	-	-
СО	THREADED CLEAN-OUT PLUG SIZE CLEANOUT SAME AS LINE SIZE.	-	-	-	_	-	-
G1	RESIDENTIAL GARBAGE DISPOSAL 1/2 HP, 120V, 1⊘ WITH STAINLESS STEEL GRIND CHAMBER, CUTTING ELEMENTS AND TURNTABLE.	IN-SINK-ERATOR 333SS	-	-	-	-	-

			\overline{PL}	UME	3 <i>I</i> N (GF.	\overline{IXT}	URE	SCHEDULE						
MARK	DESCRIPTION	SELECTION	W OR S	TRAP	VENT	HW	CW	MARK	DESCRIPTION	SELECTION	W OR S	TRAP	VENT	HW	CW
WATER	HANDICAPPED ** WATER CLOSET BOWL: WHITE WALL MOUNTED WITH BACK OUTLET, VITREOUS CHINA, ELONGATED BOWL, SIPHON JET, REAR SPUD, LOW CONSUMPTION FLUSH (1.28 GPF). MTD. 17" AFF TO RIM. SEAT: WHITE SOLID PLASTIC, HEAVY DUTY, ELONGATED, OPEN FRONT (WITHOUT COVER), STAINLESS STEEL CHECK HINGES, INTEGRAL MOLDED BUMPERS FLUSH VALVE ASSEMBLY: CONCEALED SENSOR ACTIVATED FLUSHOMETER, 1" IPS ANGLE STOP WITH BACK-FLOW PREVENTION, 1-1/2" TOP SPUD, 120V TRANSFORMER, 24VAC SOLENOID OPERATOR, (ONE	VALL MOUNTED WITH BACK OUTLET, VALUE AMERICAN STANDARD STANDARD STANDARD STANDARD 2634.101.020 ORIM. SOLID PLASTIC, HEAVY DUTY, PELL CHECK HINGES, INTEGRAL ERL CASSEMBLY: CONCEALED SENSOR ASSEMBLY: CONCEALED SENSOR STANDARD EVENTION, 1-1/2" TOP SPUD, 120V 24VAC SOLENOID OPERATOR, (ONE TRANSFORMER, CONCEALED GRAB BAKED).	URINAL: WHITE, WALL HUNG VITREOUS CHINA, REAR SPUD, 14" PROJECTION, LOW CONSUMPTION FLUSH (0.125 GPF), 304 STAINLESS STEEL BOLTS AND	AMERICAN STANDARD 6515.001 AMERICAN STANDARD 606B301.007 PK00.HAC/MAC	2"	INT.	1-1/2"	-	3/4"						
	AND ALL WIRING IS TO BE CONCEALED), ROUGH-IN DIMENSION MUST BE COORDINATED FOR CLEARANCE OF HANDICAPPED GRAB BAR WHERE APPLICABLE. CARRIER: SINGLE VERTICAL ADJUSTABLE WATER CLOSET CARRIER WITH EPOXY COATED CAST IRON FITTING. CONFIRM HAND. ADA COMPLIANT INSTALLED SO THAT TOP OF SEAT IS 18" AFF.	ZURN Z1202-N4						P10 LAV	REQUIRED. <u>CARRIER:</u> FLOOR MOUNTED CARRIER WITH SUPPORT PLATE, HANDICAPPED ** TEMPERED WATER <u>BOWL:</u> WHITE, WALL MOUNTED, VITREOUS CHINA, 20"X18", <u>SINGLE CENTER FAUCET HOLE</u> . <u>FAUCET:</u> CHROME FINISHED SENSOR FAUCET, ADA	ZURN Z1221 AMERICAN STANDARD 0356041.020	2"	1-1/4"			1/2"(1) - 3/8"
	NON-HANDICAPPED WATER CLOSET BOWL: WHITE WALL MOUNTED WITH BACK OUTLET, VITREOUS CHINA, ELONGATED BOWL, SIPHON JET, REAR SPUD, LOW CONSUMPTION FLUSH (1.28 GPF). MTD. 14" AFF TO RIM. SEAT: WHITE SOLID PLASTIC, HEAVY DUTY, ELONGATED, OPEN FRONT (WITHOUT COVER), STAINLESS STEEL CHECK HINGES, INTEGRAL MOLDED BUMPERS FLUSH VALVE ASSEMBLY: CONCEALED SENSOR ACTIVATED FLUSHOMETER, 1" IPS ANGLE STOP WITH BACK-FLOW PREVENTION, 1-1/2" TOP SPUD, 120V TRANSFORMER, 24VAC SOLENOID OPERATOR, (ONE TRANSFORMER SERVERS UP TO 10 FLUSH VALVES, AND ALL WIRING IS TO BE CONCEALED), ROUGH-IN DIMENSION MUST BE COORDINATED FOR CLEARANCE OF HANDICAPPED GRAB BAR WHERE APPLICABLE. CARRIER: SINGLE VERTICAL ADJUSTABLE WATER CLOSET CARRIER WITH EPOXY COATED CAST IRON FITTING. CONFIRM HAND.	STANDARD 2634.101.020 PROFLO PFTSCOF2000WH AMERICAN STANDARD 606B222.007 PK00.HAC/MAC	3"	INT.	2"	-	1"		COMPLIANT, VANDAL RESISTANT AERATOR, MOUNT IN CENTER HOLE. 120V TRANSFORMER, 24VAC SOLENOID OPERATOR. ALL WIRING IS TO BE CONCEALED. DRAIN: FLAT GRID, CHROME FINISH, 1-1/4" OUTLET WITH ADA COMPLIANT OFFSET TAILPIECE. PROVIDE PROTECTIVE INSULATION AS REQUIRED BY ADA. P-TRAP: CHROME FINISHED WITH TWO UNIONS, 1-1/4" INLET AND 1-1/2" OUTLET, WITHOUT CLEANOUT, WALL ESCUTCHEON, WASTE LINE INSULATION. SUPPLY: TWO REQUIRED, CHROME PLATED, LOOSE KEY ANGLE VALVE, WALL ESCUTCHEON, FLEXIBLE TUBE RISER, 3/8" INLET AND OUTLET CONNECTIONS. PROVIDE PROTECTIVE INSULATION AS REQUIRED BY ADA**. MIXING VALVE: THERMOSTATICALLY CONTROLLED POINT OF USE MIXING VALVE. LEAD FREE. ASSE 1070 COMPLIANT. SET TEMPERATURE TO 80°F. RUN 3/8"TW TO FAUCET.	AMERICAN STANDARD 775B103.002 PK00.HAC DEARBORN BRASS 760W-1 MCGUIRE 8902CNC MCGUIRE LF2165CCLK				3/8" 3/8"T OUT	1 '
WATER	HANDICAPPED ** BOWL: WHITE FLOOR MOUNTED WITH BOTTOM OUTLET, VITREOUS CHINA, SIPHON-JET, ELONGATED BOWL, 18" AFF TO SEAT, BOLT CAPS WITH CAULK, LOW CONSUMPTION FLUSH (1.28 GPF). BOWL AND SEAT DIMENSIONS MUST MATCH WITHIN 1/4". SEAT: WHITE SOLID PLASTIC, HEAVY DUTY, ELONGATED, OPEN FRONT (WITHOUT COVER), STAINLESS STEEL SELF-SUSTAINING CHECK HINGES, INTEGRAL MOLDED BUMPERS. FLUSH VALVE ASSEMBLY: 11-1/2" HIGH ABOVE RIM, PISTON TYPE (1.28 GALLON FLUSH), CHROME FINISH, ADA COMPLIANT. 120V TRANSFORMER, 24VAC SOLENOID OPERATOR, SENSOR OPERATED VALVE, 1" INLET, 1-1/2" OUTLET, INTEGRAL SCREWDRIVER ADJUSTABLE ANGLE STOP AND CHECK VALVE WITH COVER, VACUUM BREAKER, WALL AND SPUD FLANGES, SWEAT SOLDER ADAPTER KIT, SOLID RING PIPE SUPPORT, ROUGH-IN DIMENSION MUST ALLOW FOR FLUSH VALVE CLEARANCE OF HANDICAPPED GRAB BAR WHERE APPLICABLE, OR OFFSET FITTING MAY BE REQUIRED.	STANDARD 6147SM121.002 PK00.HAC/MAC	3"	INT.	2"	_	1"		CARRIER: PROVIDE FLOOR MOUNTED WALL CARRIER WITH CONCEALED WALL PLATE. MOUNT WITH APRON AT 29"(MIN) AND RIM AT 34"(MAX).	ZURN Z1231					
	HANDICAPPED ** URINAL URINAL: WHITE, WALL HUNG VITREOUS CHINA, REAR SPUD, 14" PROJECTION, 17" TO LIP, LOW CONSUMPTION FLUSH (0.125 GPF), 304 STAINLESS STEEL BOLTS AND WASHERS FLUSH VALVE ASSEMBLY: CONCEALED SENSOR ACTIVATED FLUSHOMETER (0.125 GALLON FLUSH), 3/4" INLET, INTEGRAL BACK-FLOW PROTECTION, 120V TRANSFORMER, 24VAC SOLENOID OPERATOR, (ONE TRANSFORMER SERVERS UP TO 10 FLUSH VALVES, AND ALL WIRING IS TO BE CONCEALED), ROUGH-IN DIMENSION MUST ALLOW FOR FLUSH VALVE CLEARANCE OF HANDICAPPED GRAB BAR WHERE APPLICABLE, OR OFFSET MAY BE REQUIRED. CARRIER: FLOOR MOUNTED CARRIER WITH SUPPORT PLATE,	STANDARD 6515.001 AMERICAN STANDARD 606B301.007 PK00.HAC/MAC	2"	INT.	1-1/2"	_	3/4'								

** FIXTURE AND ALL ATTACHMENTS SHALL COMPLY WITH THE 8TH EDITION (2023) FBC/ACCESSIBILITY CODE. FIXTURE TO BE MOUNTED PER THIS SCHEDULE UNLESS NOTED OTHERWISE IN PLAN. FLUSH VALVE IS TO BE ON THE SIDE TOWARDS THE ASSOCIATED LAVATORY WHERE APPLICABLE.

(1) BRANCH RUNOUT TO FIXTURE LINE SIZE. PROVIDE TEE IN CW LINE AFTER STOP TO RUN TO MIXING VALVE AND FAUCET. RUN HW TO MIXING VALVE.

(2) PROVIDE KNOCKOUT(S) ON BOTTOM OF WATER COOLER FOR CHORD(S) AND PLUG(S) TO RECEPTACLE. RECEPTACLE SHALL BE ACCESSIBLE AND NOT LOCATED BEHIND THE SHROUD.

STEPHEN R. FORKNER, PE PE 80532 WGI, INC.

3111 W. DR. MARTIN LUTHER KING JR. BLVD. SUITE 375 ROAD NO. COUNTYTAMPA, FL 33607 NORTH W ESCAMBIA ENGINEERING BUSINESS LICENSE NO.: 33574 STREET

PLUMBING FIXTURE SCHEDULE

DWG NO. *AP-602* SHEET NO.

No. Date

Issue / Revision

PLUMBING FIXTURE SCHEDULE - CONTINUED

HW

3/8"(1)

CW MARK

P41

DESCRIPTION

RESIDENTIAL TYPE VALVE BOX

FOR RESIDENTIAL REFRIGERATOR AND

DISHWASHER ROUGH-IN AND MAKE ALL

W OR S TRAP VENT

1-1/4" 1-1/4" -

SELECTION

AMERICAN

STANDARD

3111 W. DR. MARTIN LUTHER KING JR. BLVD.

ENGINEERING BUSINESS LICENSE NO.: 33574

STEPHEN R. FORKNER, PE FLORIDA-ALABAMA TPO

> COUNTY ROAD NO. FINANCIAL PROJECT ID NORTH W *ESCAMBIA* 451524-1-38-01 STREET

PLUMBING FIXTURE SCHEDULE -CONTINUED

V OR S TRAP VENT

HW

CW

1/2"

SELECTION

WATER-TITE 9700

DWG NO. *AP-603* SHEET NO. APPLICABLE MINIMUM BUILDING CHAPTER 63, FLORIDA STATUES

THE AND

.004, F.A.C. COMPLY WITH 1 FBC 110.8.4.4

UNDER RULE 61G15-23.0. 5 AND SPECIFICATIONS C 7 IN ACCORDANCE WITH F

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PLANS
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OR ENGINEER'S KN
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HE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONI ENERAL DISCLAIMER: TO THE BEST OF THE ARCHITECT'S ODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS

MARK

DESCRIPTION

HANDICAPPED ** TEMPERED WATER

BOWL: WHITE, UNDERMOUNT WITH UNGLAZED RIM,

PE 80532

WGI, INC.

SUITE 375

TAMPA, FL 33607

^{**} FIXTURE AND ALL ATTACHMENTS SHALL COMPLY WITH THE 8TH EDITION (2023) FBC/ACCESSIBILITY CODE. FIXTURE TO BE MOUNTED PER THIS SCHEDULE UNLESS NOTED OTHERWISE IN PLAN. FLUSH VALVE IS TO BE ON THE SIDE TOWARDS THE ASSOCIATED LAVATORY WHERE APPLICABLE.

⁽¹⁾ BRANCH RUNOUT TO FIXTURE LINE SIZE. PROVIDE TEE IN CW LINE AFTER STOP TO RUN TO MIXING VALVE AND FAUCET. RUN HW TO MIXING VALVE.

⁽²⁾ PROVIDE KNOCKOUT(S) ON BOTTOM OF WATER COOLER FOR CHORD(S) AND PLUG(S) TO RECEPTACLE. RECEPTACLE SHALL BE ACCESSIBLE AND NOT LOCATED BEHIND THE SHROUD.

Issue / Revision

ENGINEERING BUSINESS LICENSE NO.: 33574

ESCAMBIA

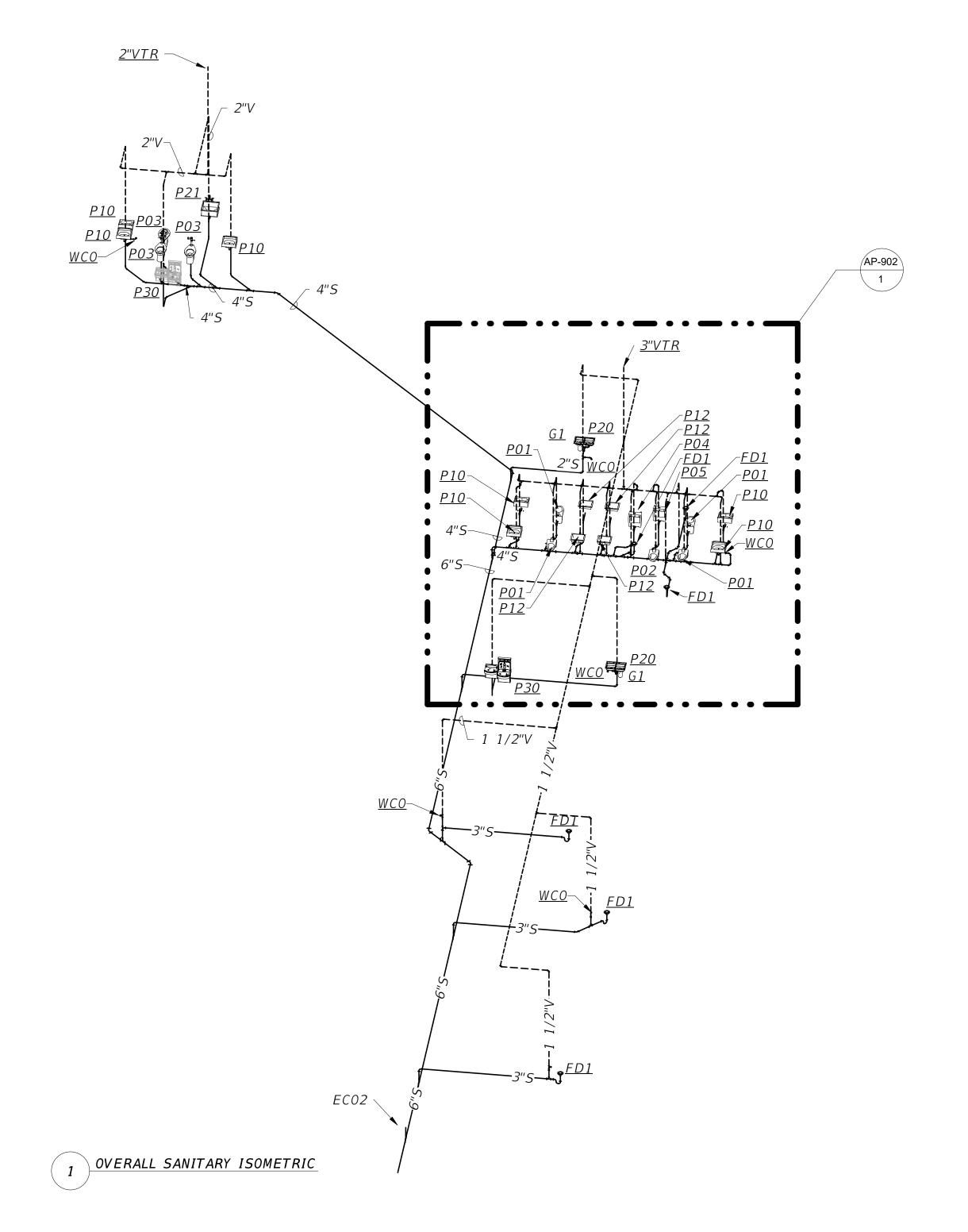
451524-1-38-01

ROAD NO.

NORTH W STREET

DWG NO. AP-901 SHEET NO.

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Issue / Revision

STEPHEN R. FORKNER, PE PE 80532 3111 W. DR. MARTIN LUTHER KING JR. BLVD. SUITE 375 TAMPA, FL 33607

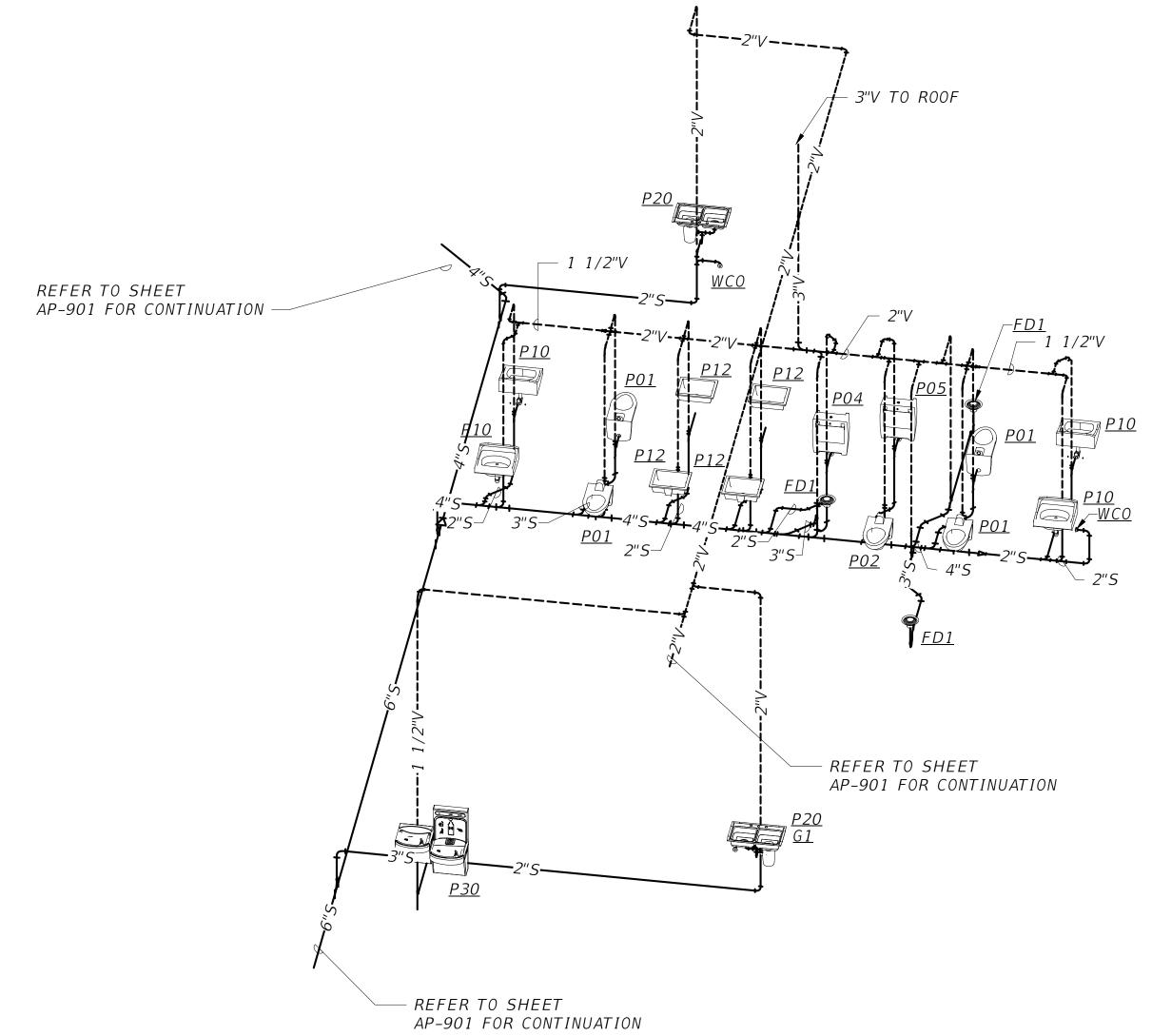
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO ROAD NO. COUNTY FINANCIAL PROJECT ID NORTH W STREET ESCAMBIA 451524-1-38-01

PLUMBING - PARTIAL SANITARY WASTE ISOMETRIC

DWG NO. *AP-902* SHEET NO.

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PARTIAL SANITARY RISER

STEPHEN R. FORKNER, PE PE 80532

WGI, INC. 3111 W. DR. MARTIN LUTHER KING JR. BLVD. SUITE 375 TAMPA, FL 33607

ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ESCAMBIA

1 OVERALL DOMESTIC WATER ISOMETRIC

NORTH W STREET

ISOMETRIC

DWG NO. *AP-903* SHEET NO.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61615–23.004, F.A.C. GENERAL DISCLAIMER: TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH FBC 110.8.4.4 AND CHAPTER 63, FLORIDA STATUES.

ROAD NO. COUNTY FINANCIAL PROJECT ID

<u>HB1</u>

451524-1-38-01

PLUMBING - DOMESTIC WATER

No. Date

Issue / Revision

Issue / Revision

ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

PLUMBING - PARTIAL DOMESTIC WATER ISOMETRIC

DWG NO. AP-904 SHEET NO.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61615–23.004, F.A.C. GENERAL DISCLAIMER: TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH FBC 110.8.4.4 AND CHAPTER 63, FLORIDA STATUES

