GENERAL PLUMBING NOTES

- 1. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT FOR PLUMBING PIPING SYSTEMS, DOMESTIC WATER SYSTEMS, PLUMBING CONNECTIONS AND ALL FITTINGS, SPECIALTIES, ANCHORING/SUPPORTING OF EQUIPMENT, AUXILIARY MATERIALS AND ACCESSORIES AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN FOR A COMPLETE AND OPERATIONAL PLUMBING SYSTEM.
- 2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE OF THE WORK AND BECOME FAMILIAR WITH ALL AVAILABLE INFORMATION REGARDING THE LOCATION OF EXISTING FACILITIES. FAILURE OF THE CONTRACTOR TO FULLY INFORM HIMSELF OF ALL EXISTING CONDITIONS WILL NOT BE CAUSE FOR ADDITIONAL COMPENSATION.
- ALL EQUIPMENT AND MATERIALS USED IN THIS INSTALLATION SHALL BE NEW, OF APPROVED QUALITY AND MANUFACTURE AND, UNLESS OTHERWISE NOTED, SHALL BE STANDARD CATALOG ITEMS OF THE VARIOUS MANUFACTURERS. EACH COMPONENT OF THE WORK SHALL BE COMPLETE, CONNECTED AND CAPABLE OF SATISFACTORY FUNCTIONAL OPERATION.
- PIPING SYSTEMS SHALL BE COMPLETE WITH PIPE, PIPE FITTINGS, VALVES, STRAINERS, EXPANSION JOINTS, FLEXIBLE PIPE CONNECTIONS, HANGERS, SUPPORTS, ANCHORS, GUIDES, SLEEVES, AND ACCESSORIES REQUIRED TO ENSURE PROPER OPERATION FOR THE PURPOSE INTENDED, AS SHOWN AND SPECIFIED. PIPING, VALVES AND ACCESSORIES SHALL BE SUITABLE FOR THE SYSTEM PRESSURE, TEMPERATURE AND CIRCULATING LIQUID.
- FOLLOW REQUIREMENTS OF THE FLORIDA BUILDING CODE, REGULATIONS, ORDINANCES, ETC., OF THE STATE, COUNTY, AND/OR MUNICIPALITY, IN WHICH THE CONSTRUCTION IS LOCATED, AND ANY GOVERNMENT ENTITY HAVING JURISDICTION
- ALL EQUIPMENT SHALL FIT THE ALLOTTED SPACE AND SHALL LEAVE REASONABLE ACCESS ROOM FOR SERVICING AND REPAIRS. GREATER SPACE AND ROOM REQUIRED BY SUBSTITUTED EQUIPMENT SHALL BE PROVIDED BY THE CONTRACTOR AND AT HIS EXPENSE AND MEETING THE APPROVAL OF THE CONSTRUCTION MANAGER.
- 7. IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN EQUIPMENT DIMENSIONS AND SPACE ALLOTMENTS THEREFORE; HE SHALL NOTIFY THE CONSTRUCTION MANAGER IN WRITING AND SHALL NOT PROCEED WITH THE WORK UNTIL HE HAS RECEIVED WRITTEN INSTRUCTIONS FROM THE CONSTRUCTION MANAGER.
- THE CONTRACTOR SHALL DO NO CUTTING THAT MAY IMPAIR STRENGTH OF BUILDING CONSTRUCTION, NO HOLES, EXCEPT FOR SMALL SCREWS, MAY BE DRILLED IN BEAMS OR OTHER STRUCTURAL MEMBERS WITHOUT OBTAINING PRIOR APPROVAL OF THE CONSTRUCTION MANAGER.
- THE CONTRACTOR SHALL FURNISH ALL ELECTRICAL WORK ASSOCIATED WITH PLUMBING EQUIPMENT, INCLUDING ELECTRICAL CONTROLS, SWITCHES, CONTACTORS AND STARTERS FOR ALL EQUIPMENT ITEMS REQUIRING SAME. ALL ELECTRICAL WORK SHALL CONFORM IN ALL RESPECTS TO THE REQUIREMENTS OF THE CURRENT NATIONAL ELECTRICAL CODE.
- 10. UNLESS OTHERWISE INDICATED, METAL FASTENERS AND RELATED PARTS SHALL BE OF ALUMINUM OR STAINLESS STEEL AND SHALL BE OF ADEQUATE STRENGTH FOR THE PURPOSE INTENDED.
- 11. LEAVE CONCEALED WORK UNCOVERED UNTIL REQUIRED TESTS HAVE BEEN COMPLETED, BUT IF NECESSARY TO MAKE TESTS ON PORTIONS OF THE WORK. THOSE PORTIONS OF THE WORK MAY BE CONCEALED AFTER BEING INSPECTED. AND APPROVED REPAIR DEFECTS THAT ARE DISCOVERED AS A RESULT OF INSPECTIONS OR TESTS WITH NEW MATERIALS. CAULKING, WELDING OR SOLDERING OF SCREWED POINTS, CRACKS, OR HOLES WILL NOT BE ACCEPTED. REPEAT TESTS AFTER DEFECTS HAVE BEEN CORRECTED.
- 12. CLEANING / STERILIZATION: AS SOON AS THE WATER PIPING HAS BEEN THOROUGHLY FLUSHED OUT, STERILIZE THE LINES BY INTRODUCING INTO THEM A SOLUTION OF CALCIUM HYPOCHLORITE OR CHLORIDE OF LIME. OPEN AND CLOSE ALL VALVES WHILE SYSTEM IS BEING CHLORINATED. AFTER THE STERILIZING AGENT HAS BEEN APPLIED FOR 24 HOURS, TEST FOR RESIDUAL CHLORINE AT THE ENDS OF THE LINES. REPEAT THE PROCESS IF LESS THAN 10 PARTS PER MILLION IS INDICATED. WHEN THE TESTS SHOW AT LEAST 10 PARTS PER MILLION OF RESIDUAL CHLORINE FLUSH OUT THE SYSTEM UNTIL ALL TRACES OF THE CHEMICAL USED ARE REMOVED. MAKE NECESSARY CONNECTIONS TO STERILIZE PIPING.

PLUMBING LEGEND

	SYMBOL	DESCRIPTION		
	·////////	EXISTING SANITARY PIPE EXISTING VENT PIPE	EWC LAV WC	ELECTRIC WATER COOLER LAVATORY WATER CLOSET
		TO BE REMOVED / ABANDONED EXISTING COLD WATER PIPE EXISTING HOT WATER PIPE SANITARY PIPE	UR HB FD	URINAL HOSE BIBB FLOOR DRAIN
		VENT PIPE COLD WATER PIPE HOT WATER PIPE	V VTR MB	VENT VENT THROUGH ROOF MOP BASIN
	, <u>†</u> , — 1 7—	HOSE BIBB CHECK VALVE	CW HW SAN	COLD WATER HOT WATER SANITARY
FD	——⋈—— └─ *—	SHUT-OFF VALVE "P" TRAP FLOOR DRAIN	DWV CA	DRAIN, WASTE, VENT. COMPRESSED AIR
FCO CO	— <u>⊚</u> ⊩H	FLOOR CLEAN-OUT WALL CLEAN-OUT	EW EXIST.	EYE WASH EXISTING
VTR COOG	٦IL	VENT THRU ROOF	ETR ETBR TP	EXISTING TO REMAIN EXISTING TO BE REMOVED TRAP PRIMER
COOG	•	CLEAN-OUT ON GRADE CONNECT TO EXISTING		

Augusto E. Bo	bes Jr., P.E. No. 39410
•	TELEPHONE: HOT.628.0882 E-MAIL: NFO08008ESING.COM FLORIDA STATE P.E. NUMBER: 5131 GUS BOBES JR. P.E., P.E. NUMBER 3
0 0	CONSULTING ENGINEERS
	BOBES ASSOCIATES

DESCRIPTION

REVISIONS

DATE BY

DESCRIPTION

OBER ASSOCIATES

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY FINANCIAL PROJECT ID

438609-1-52-01

COLUMBIA

SR 8

SR 8 (I-10) WESTBOUND (COLUMBIA COUNTY) REST AREA

PLUMBING SYMBOL LEGEND

PROJECT NORTH

P-001 SHEET NO.

DRAWING NO.

PHASE 2 - 90% SUBMITTAL

DATE BY

PLUMBING CONSTRUCTION NOTES

- NOTE: IN GENERAL, PLANS AND DIAGRAMS OF UTILITY RUNS ARE SCHEMATIC ONLY AND SHOULD NOT BE SCALED.
 CONTRACTOR SHALL COORDINATE AT SITE ALL PLUMBING, HVAC AND ELECTRICAL WORK SO AS NOT TO CONFLICT IN
 LOCATION WITH OTHER WORK UNDER THE CONTRACT.
- COORDINATE ALL PIPING ROUTING WITH ALL OTHER TRADES PRIOR TO INSTALLATION. ROUTE ALL PIPING TO AVOID DUCTWORK, ELECTRICAL RACEWAYS, AND BUILDING STRUCTURE. IF PENETRATIONS THROUGH STRUCTURAL MEMBERS ARE REQUIRED FOR PLUMBING INSTALLATION, NOTIFY ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO INSTALLATION TO ENSURE THAT STRUCTURAL INTEGRITY IS MAINTAINED.
- THIS CONTRACTOR SHALL BASE HIS PROPOSAL UPON THE EQUIPMENT AS SCHEDULED OR SPECIFIED, USING THE
 MANUFACTURERS AND MODEL NUMBERS AS CALLED FOR IN THE SPECIFICATIONS AND SCHEDULED ON THE DRAWINGS.
- 4. THE CONTRACTOR IS EXPECTED TO ORDER ALL MATERIALS IN SUFFICIENT TIME TO AVOID DELAYING THE COMPLETION OF THE PROJECT. DELAY IN DELIVERIES WILL NOT BE CONSIDERED A JUSTIFIABLE REASON FOR SUBMISSION OF SUBSTITUTE MATERIALS.
- ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR IN CHASES EXPECT AS SPECIFICALLY NOTED, OR IN MECHANICAL ROOMS. PIPING SHALL NOT BE RUN THRU ELECTRICAL ROOMS OR CLOSETS.
- SLEEVE AND FIRE STOP ALL PENETRATIONS OF RATED WALLS, CEILINGS, FLOORS, ETC. IN ACCORDANCE WITH APPLICABLE UL STANDARDS AND LOCAL CODES TO MAINTAIN RATINGS. SEE ARCHITECTURAL DRAWINGS FOR RATED WALLS AND FLOORS.
- PIPING ROUTING SHOWN IS SCHEMATIC AND IS INTENDED TO INDICATE GENERAL ROUTING. PLUMBING CONTRACTOR SHALL PROVIDE ANY ADDITIONAL OFFSETS AND FITTINGS REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN CLEARANCES AS ENCOUNTER IN FIELD.
- 8. PROVIDE ACCESS PANELS TO ALL VALVES WITHIN CHASES, WALLS OR ABOVE NON-ACCESSIBLE CEILINGS. REFER TO ARCHITECTURAL DRAWING FOR CEILING AND WALL TYPES.
- 9. DRAINAGE PIPING SHALL SLOPE NO LESS THAN 1/8" FALL PER FOOT SEE SPECIFICATIONS.
- FURNISH AND INSTALL HOSE BIBBS AND WALL HYDRANTS 24" ABOVE FINISHED GRADE/FLOOR AND PROVIDE VACUUM BREAKERS AS SHOWN ON DRAWINGS.
- 11. SEE ARCHITECTURAL DRAWINGS FOR EXACT PLUMBING FIXTURE LOCATIONS. MOUNTING HEIGHTS, DIMENSIONS, AND HANDICAPPED REQUIREMENTS.
- 12. CONTRACTOR SHALL VERIFY INVERT ELEVATIONS AND EXACT LOCATIONS OF EXISTING SEWER AND DOMESTIC WATER PIPING/MAINS BEFORE INSTALLATION/SUBMITTAL OF SHOP DRAWINGS.
- 13. ALL VENTS THROUGH ROOF SHALL BE MIN. 10'-0" FROM ANY AIR INTAKES.
- 14. PLUMBING CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT ALL CONNECTIONS OF DISSIMILAR METALS.
- 15. ROUGH-IN ALL WASTES AND SUPPLIES TO SPECIAL EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND MAKE FINAL CONNECTIONS. ALL SUPPLIES SHALL BE VALVED. INSTALL VACUUM BREAKERS WHERE REQUIRED BY CODE.
- 16. ANY PIPING IN UNCONDITIONED SPACES SHALL BE FULLY INSULATED.
- 17. ABSOLUTELY NO PVC OR CPVC PIPING WILL BE ALLOWED IN RETURN AIR PLENUMS.
- 18. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF HIS STORED MATERIALS AND EQUIPMENT FOR THE DURATION OF THE PROJECT. PROVIDE PROTECTIVE COVER OVER EQUIPMENT TO ENSURE AGAINST WATER AND DUST DAMAGE AND PROVIDE SUITABLE PALLETS BETWEEN EQUIPMENT AND MATERIALS STORED ON GROUND.

PLUMBING MATERIALS NOTES

PIPING MATERIAL : DOMESTIC COLD WATER PIPING COPPER TYPE K BELOW GRADE, L ABOVE GROUND.

PIPE FITTINGS: WROUGHT COPPER: ELBOWS, TEES, REDUCERS, COUPLINGS, ETC., SOLDER ENDS 150 PSIG WSP, FITTINGS MANUFACTURED BY MUELLER BRASS CO., CHASE BRASS, AND COPPER CO. USE 95-5 SOLDER FOR WATER SERVICE AND 50-50 FOR WASTE SERVICE. DO NOT USE SOLDER CONTAINING LEAD FOR POTABLE WATER SERVICE. BRONZE UNIONS FOR 2 1/2" PIPE AND SMALLER.

SANITARY PIPING: PIPE SHALL BE SERVICE WEIGHT CAST IRON, ASPHALT COATED AND SHALL CONFORM TO ASTM A-74 FOR BELL AND SPIGOT TYPE (BELOW GROUND), OR TO CISPI 301 FOR NO HUB TYPE (ABOVE GROUND).

SANITARY COPPER (DRAINAGE): PIPE SHALL BE HARD TEMPERED, SEAMLESS COPPER DWV TUBING, CONFORMING TO ASTM SPECIFICATION B-306. FITTINGS SHALL BE CAST BRONZE, DWV SWEAT TYPE CONFORMING TO ANSI B16.23.

CONDENSATE DRAIN; SAME AS SANITARY DWV ABOVE/BELOW GRND.

PIPE INSULATION: HOT WATER AND REFRIGERANT PIPING: 3/4" CLOSED CELL ELASTOMERIC ARMSTRONG ARMAFLEX OR EQUAL, SUITABLE FOR OPERATING TEMPERATURES FROM -40 F TO 200 F. FLAME SPREAD RATING OF LESS THAN 25 AND A SMOKE DENSITY RATING OF LESS THAN 50 RATED FOR RETURN AIR PLENUM USE. OUTDOOR APPLICATIONS REQUIRE ALUMINUM JACKET COVERING.

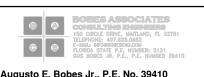
DIELECTRIC UNIONS: DISSIMILAR PIPE METALS SHALL BE ELECTRICALLY INSULATED FROM EACH OTHER BY COUPLINGS, UNIONS, OR FLANGES COMMERCIALLY MANUFACTURED FOR THAT PURPOSE AND RATED FOR THE SERVICE PRESSURE AND TEMPERATURE. USE OF STEEL OR CAST-IRON FITTINGS IN A COPPER PIPING SYSTEM IS PROHIBITED, EXCEPT WHERE SPECIFICALLY NOTED. THREADED UNIONS SHALL BE AS MANUFACTURED BY EPCO.

ESCUTCHEONS: PROVIDE STAINLESS STEEL ESCUTCHEONS SECURELY IN PLACE ON EXPOSED PIPES WHERE THEY PASS THROUGH WALLS, PARTITIONS FLOORS AND CEIL INGS OR FINISHED ARFAS

VALVES: PROVIDE BALL VALVES TO ISOLATE EACH COLD WATER RISER, BRANCH LINE, HOSE, BIBBS, AND WHERE INDICATED ON PLANS

PIPE SLEEVES: PROVIDE GALVANIZED SHEET METAL, 22 GAUGE SLEEVES FOR PIPES PASSING THROUGH WALLS OR FLOORS BEFORE POURING CONCRETE. PLASTIC SLEEVES AS MANUFACTURED BY PROSET OR EQUAL ARE PERMITTED. ALL SLEEVES SHALL BE LARGE ENOUGH TO ALLOW FULL THICKNESS OF INSULATION THROUGH SLEEVES FOR INSULATED PIPING, AND FOR TWO LAYERS OF 30 LB. FELT WRAPPING AROUND UN-INSULATED PIPING.

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION				
ROAD NO.	COUNTY	FINANCIAL PROJECT ID		

438609-1-52-01

COLUMBIA

SR 8

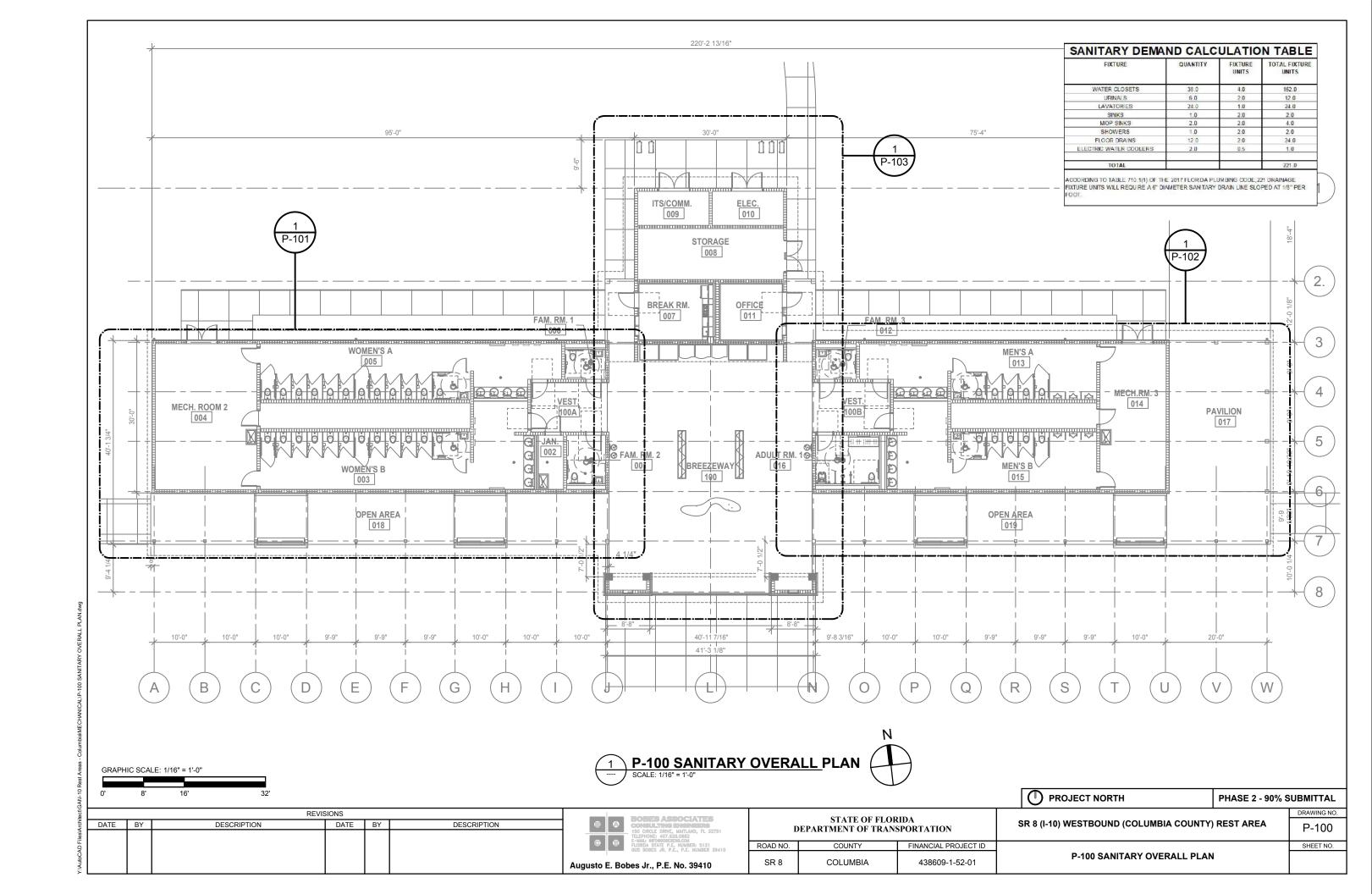
SR 8 (I-10) WESTBOUND (COLUMBIA COUNTY) REST AREA

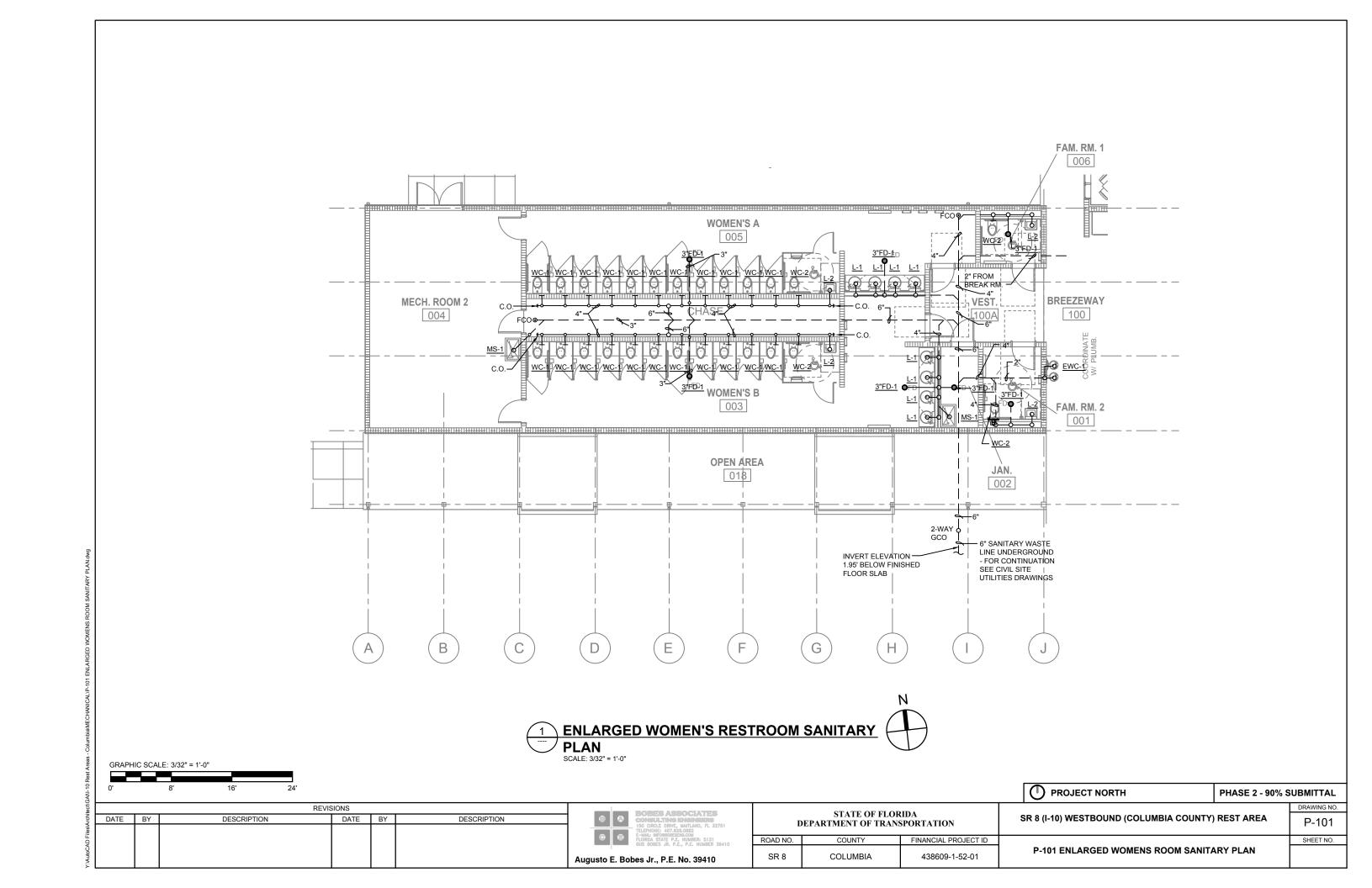
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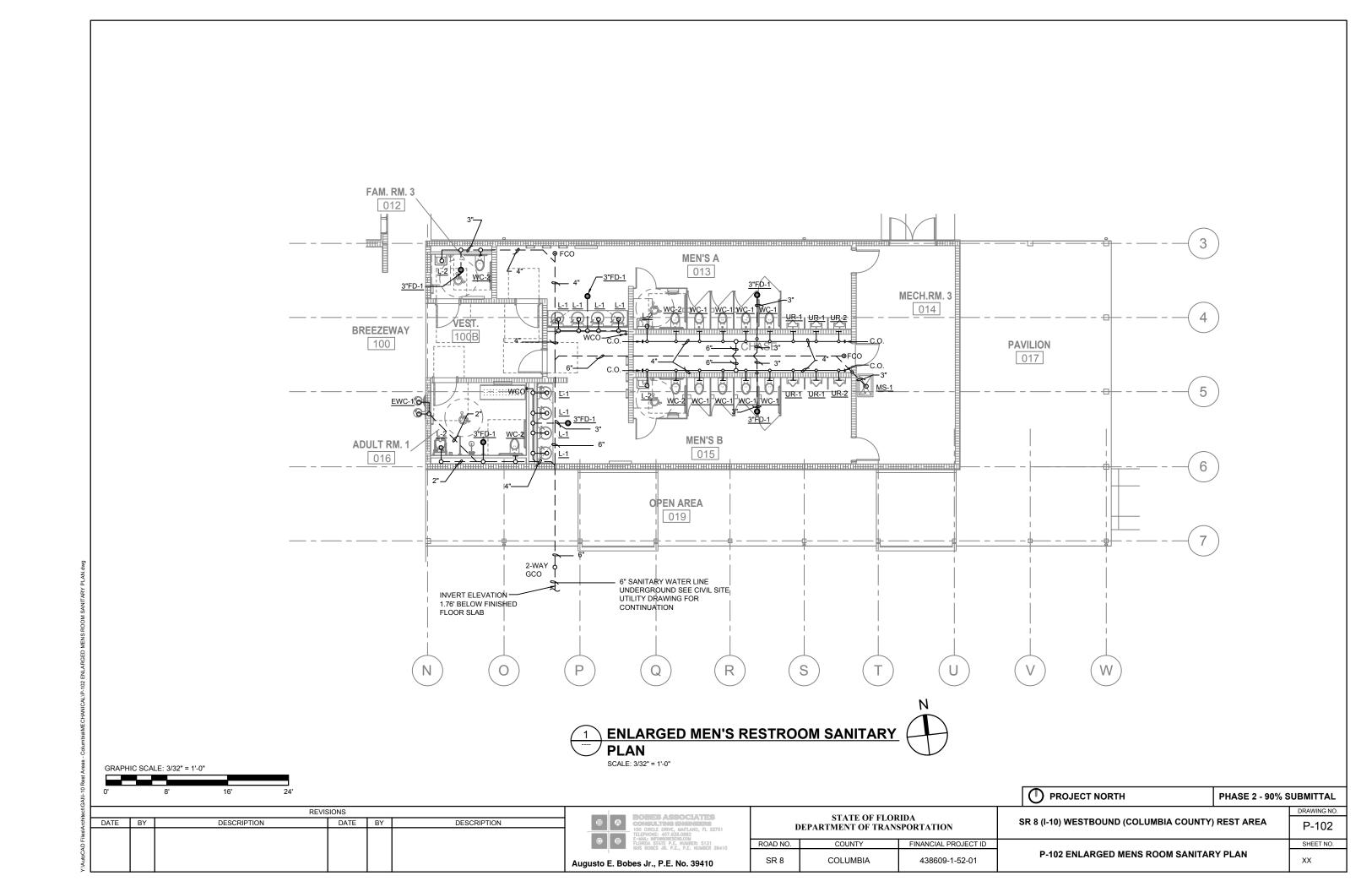
P-002
SHEET NO.

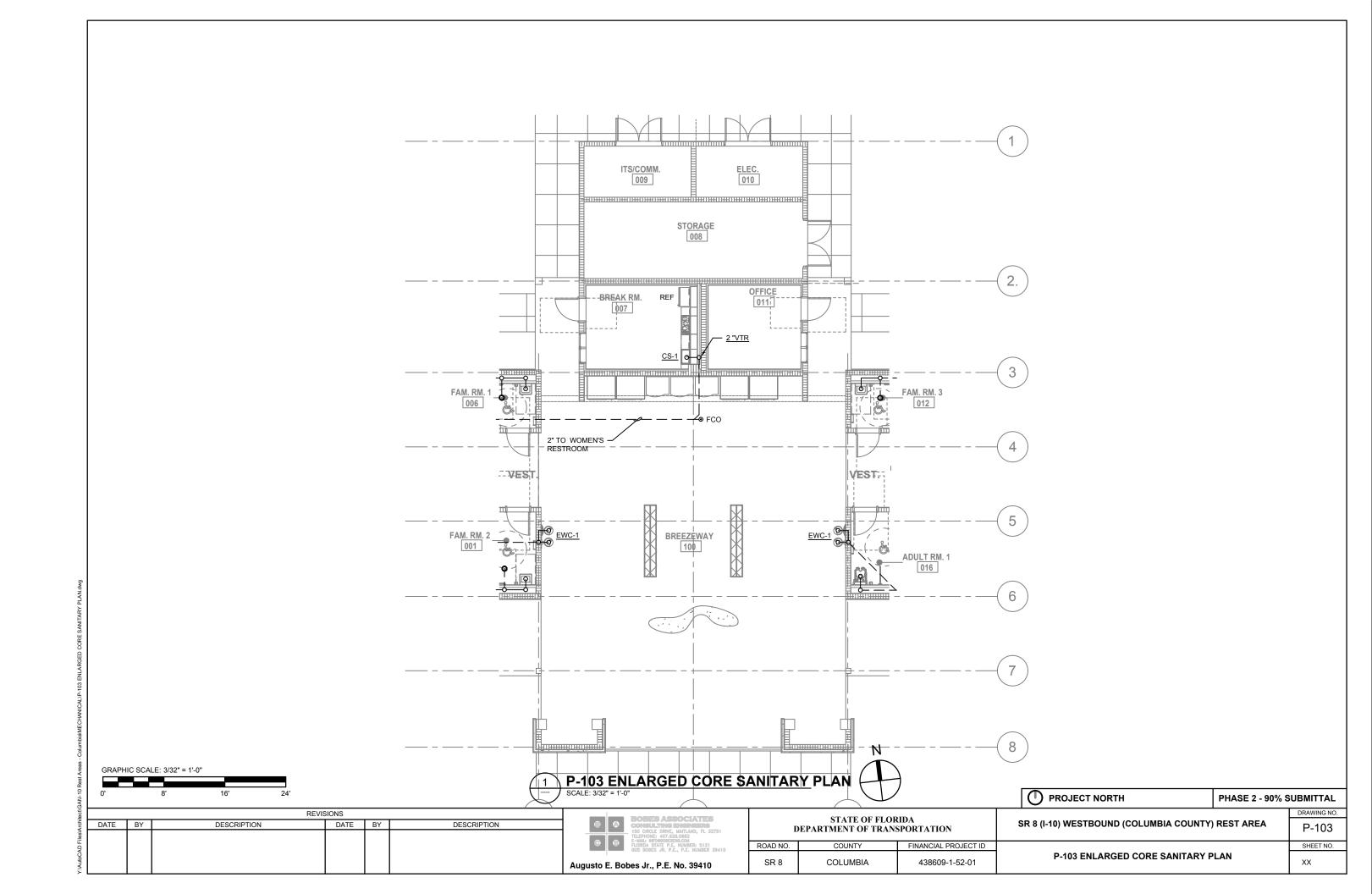
PHASE 2 - 90% SUBMITTAL

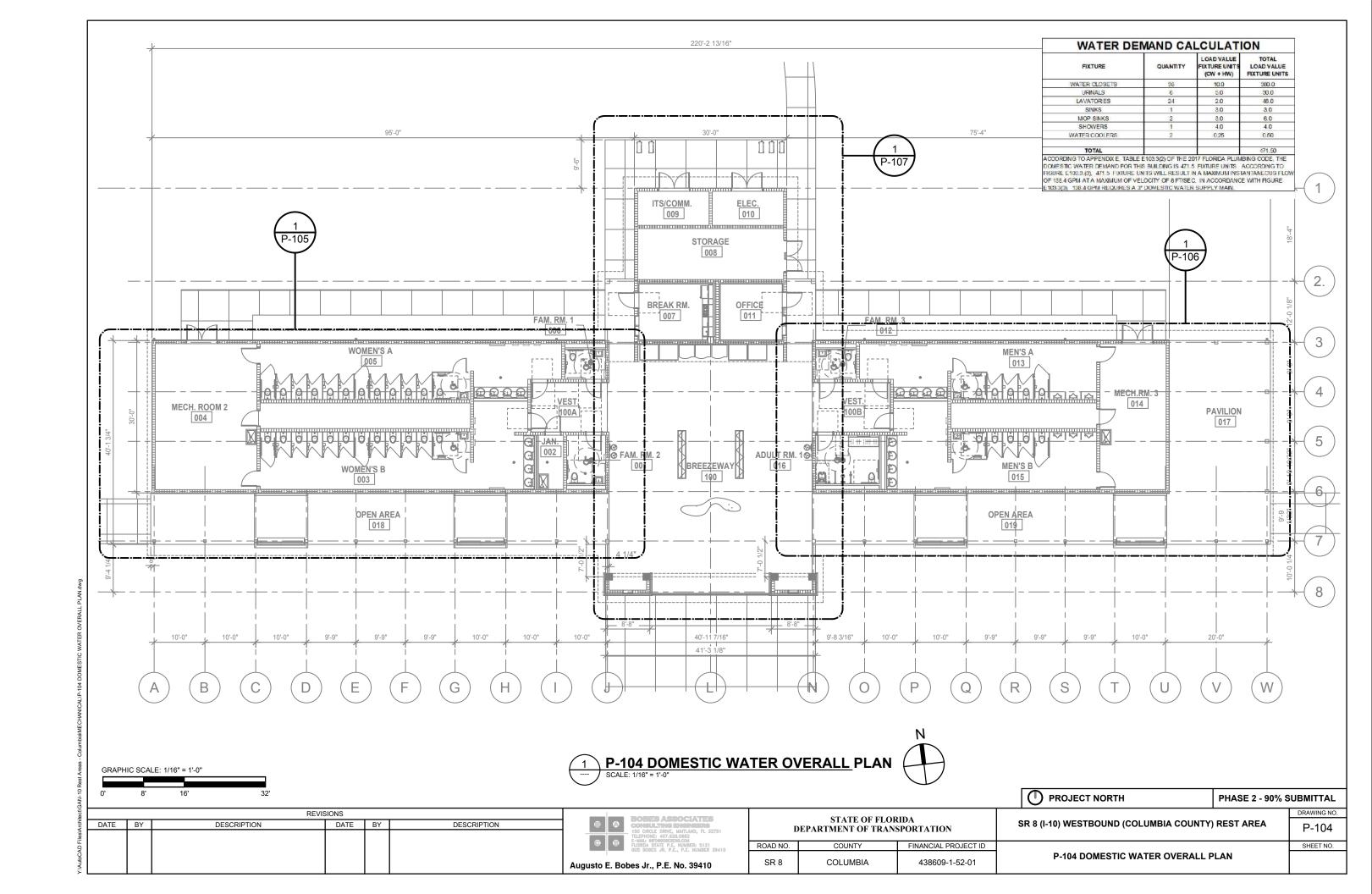
PLUMBING GENERAL NOTES

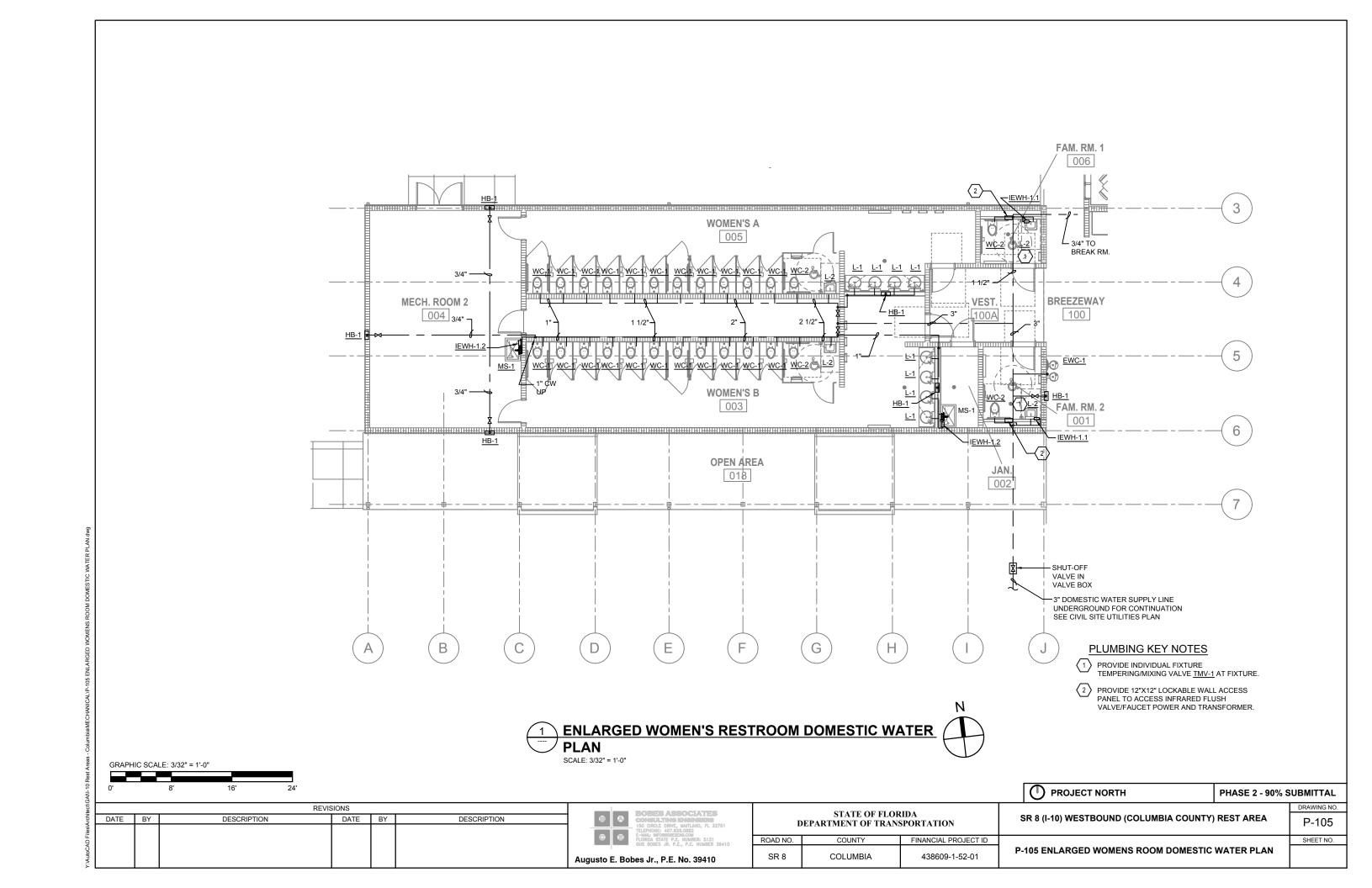


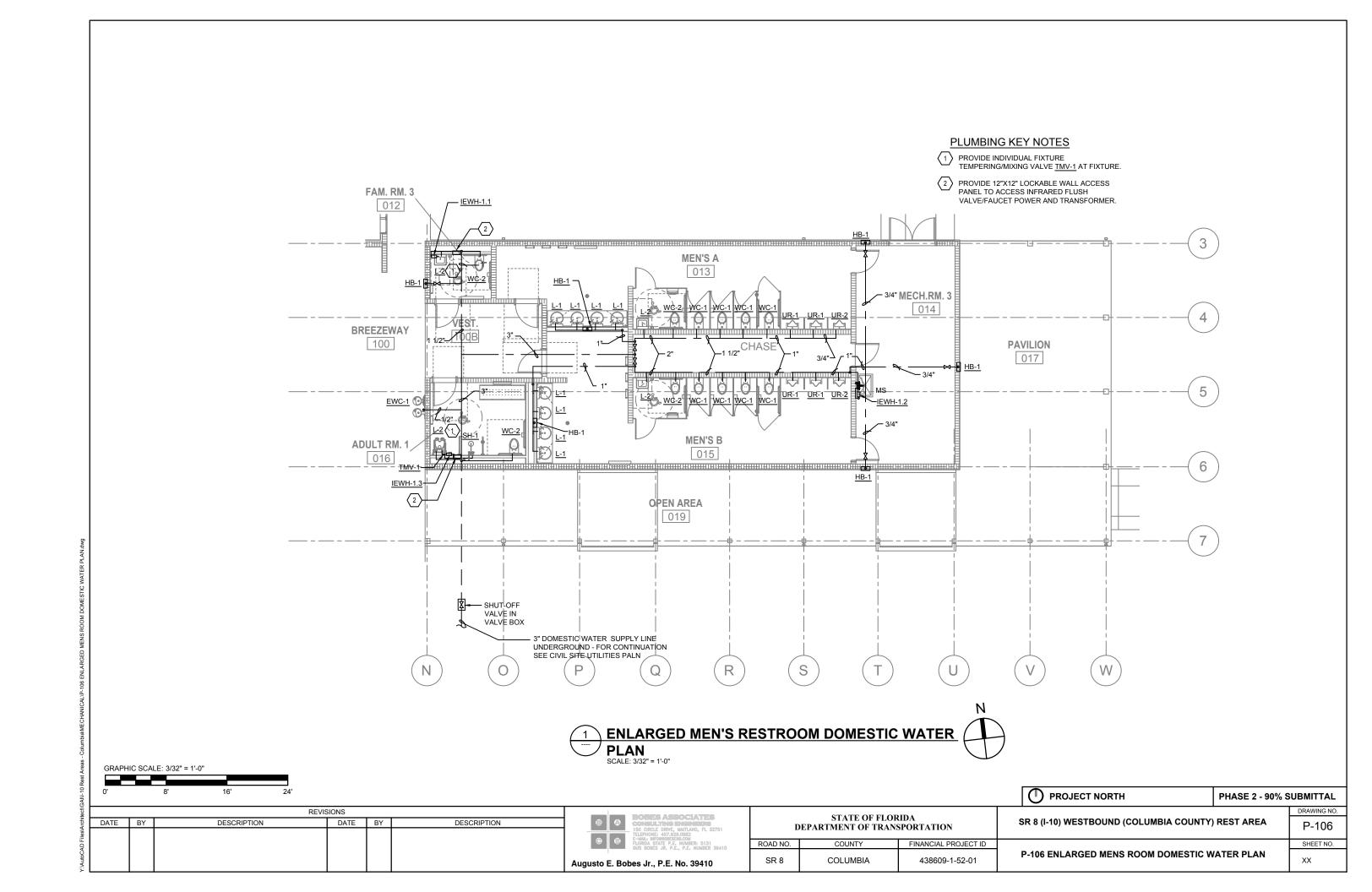


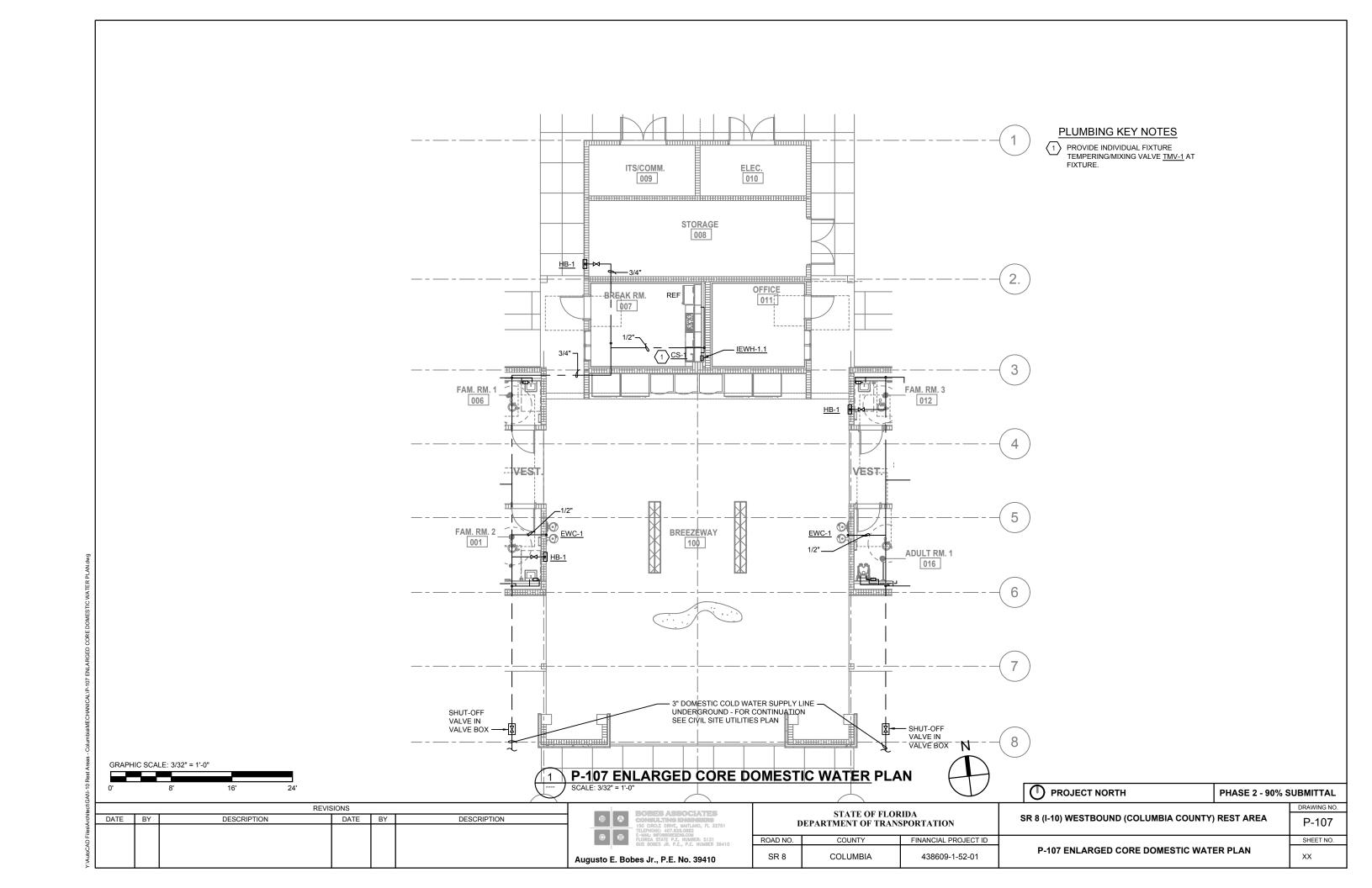


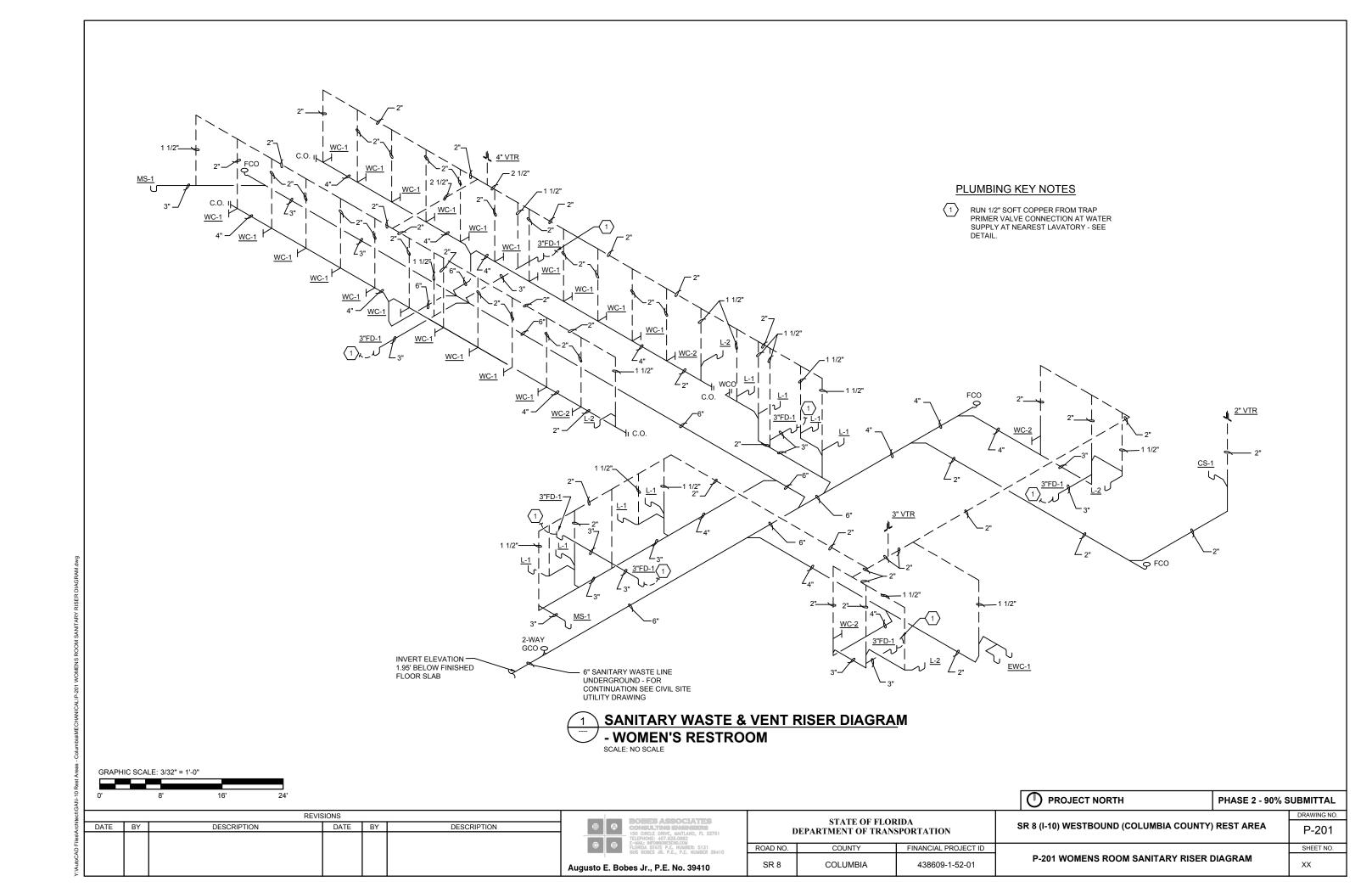


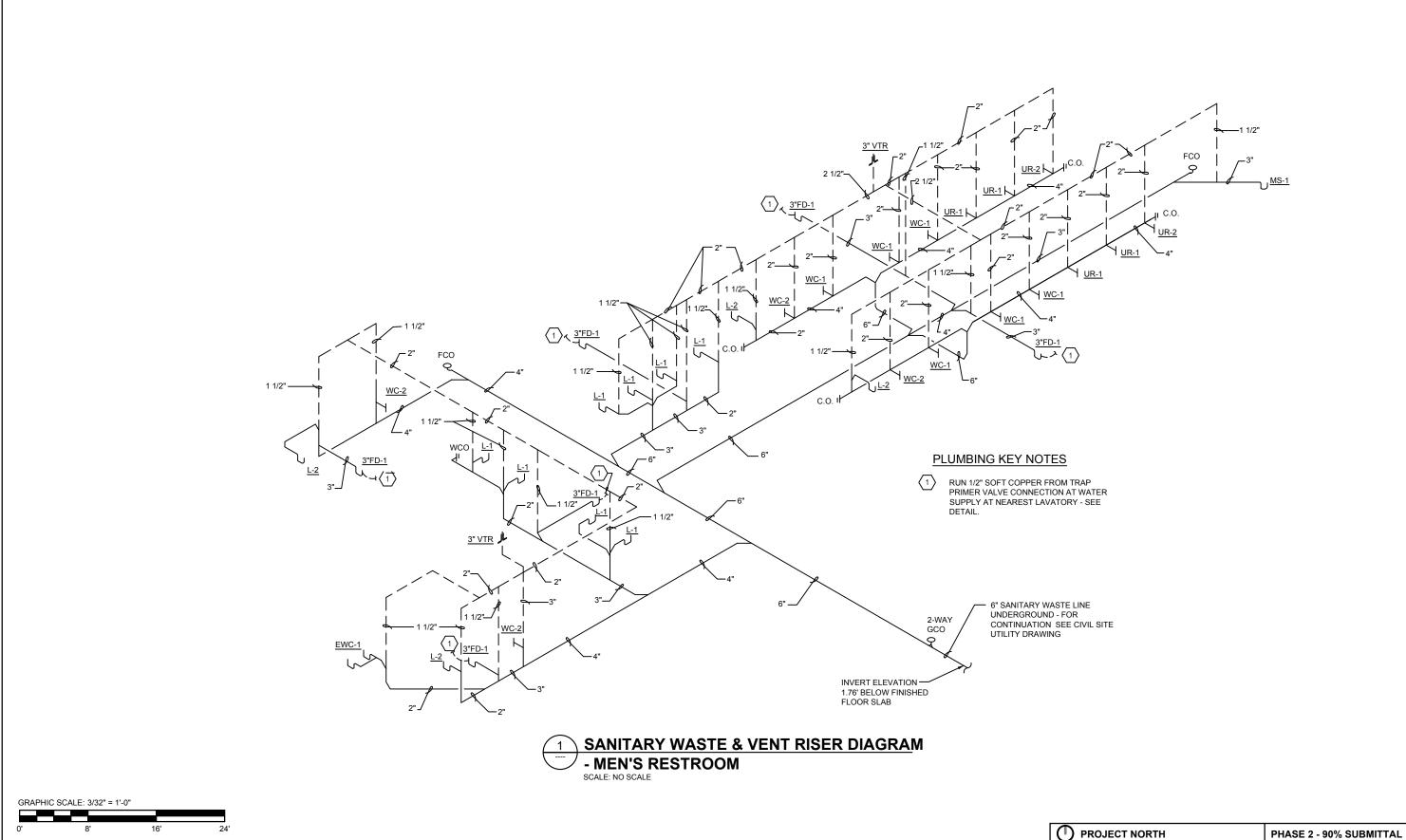












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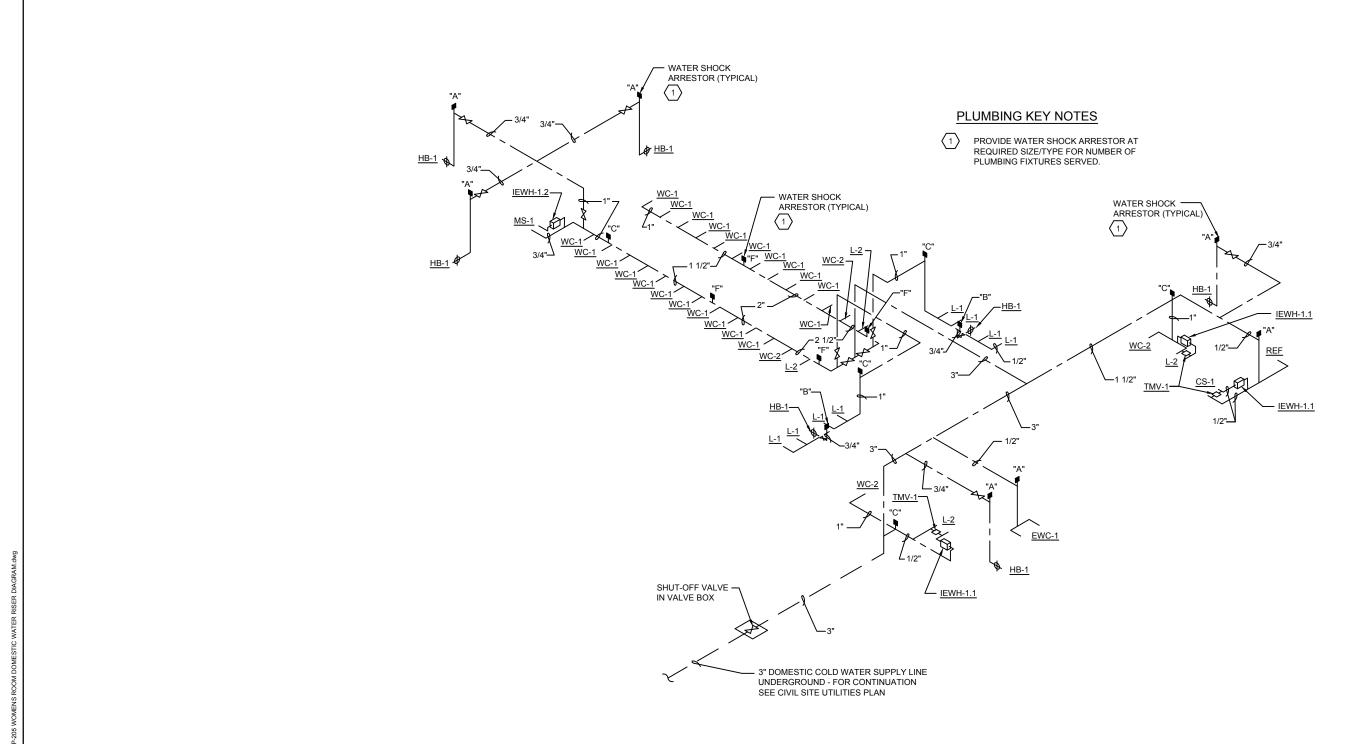
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ONELLTING ENGINEERING ON CIRCLE DRIVE, MAITLAND, FL 32751 LEPHONE: 407.628.0882 MAIL BY ORGODESENG.COM ORDA STATE P.E. MILMERE, 5131	
S BOBES JR. P.E., P.E. NUMBER 39410	

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION				
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SR 8	COLUMBIA	438609-1-52-01		

		DRAWING NO.
SR 8 (I-10) WESTBOUND (COLUMBIA COUNTY)	REST AREA	P-202
P-202 MENS ROOM SANITARY RISER DIAGRAM		SHEET NO.
		xx





GRAPHIC SCALE: 3/32" = 1'-0"

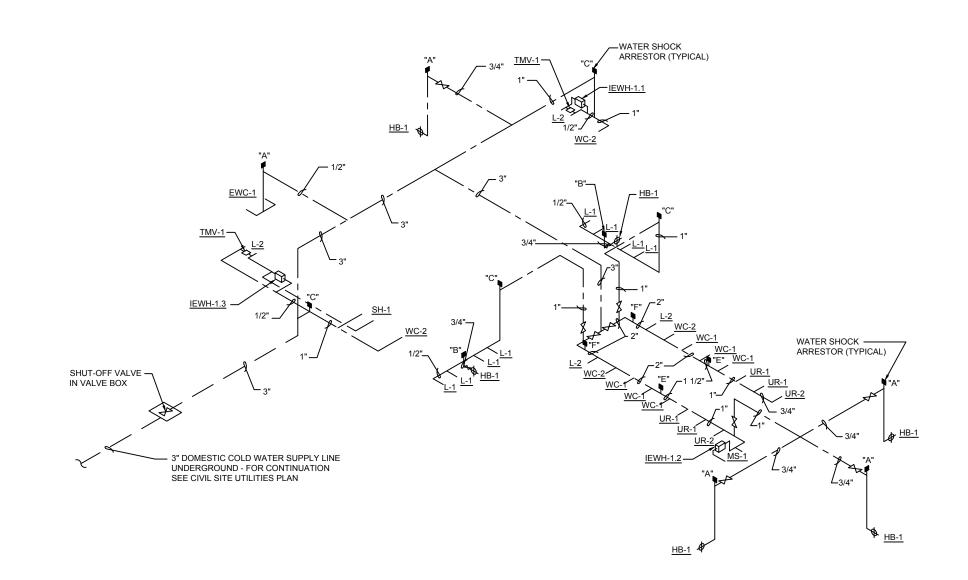
0' 8' 16' 24'

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Augusto E. Bobes Jr., P.E. No. 39410				

	D	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			
ROAD NO.		COUNTY	FINANCIAL PROJECT ID		
	SR 8	COLUMBIA	438609-1-52-01		

PROJECT NORTH PHASE 2 - 90% S		UBMITTAL
SR 8 (I-10) WESTBOUND (COLUMBIA COUNTY) REST AREA		DRAWING NO.
		P-205
		SHEET NO.
2-205 WOMENS ROOM DOMESTIC WATER RISER DIAGRAM		xx





GRAPHIC SCALE: 3/32" = 1'-0"

0' 8' 16' 24'

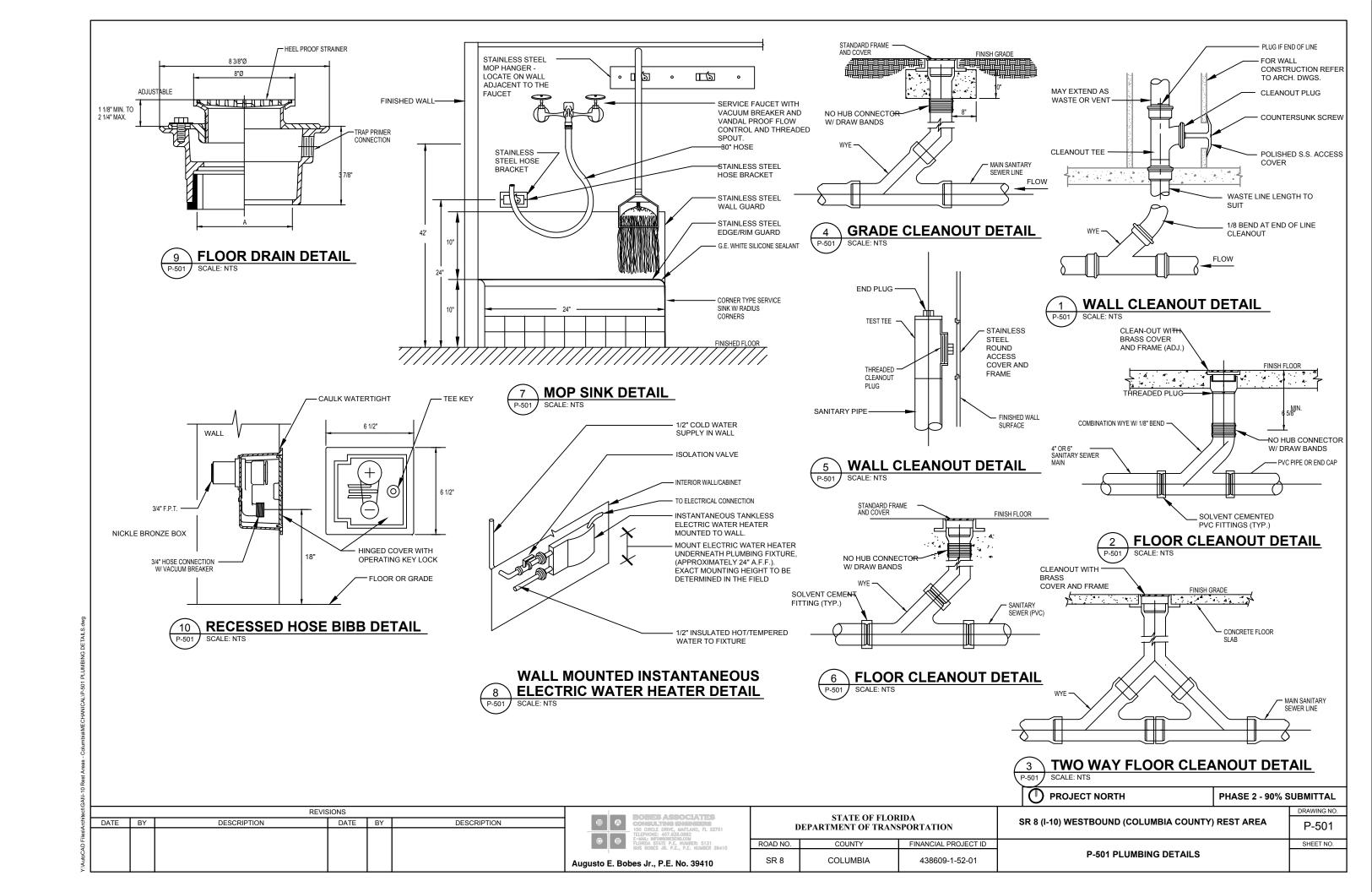
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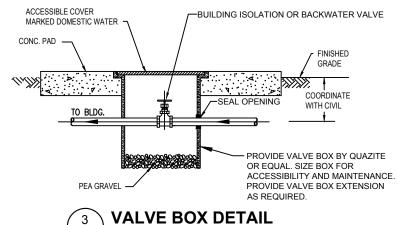
⊕		DORES ASSOCIATES CONSULTING EXCENTERS 150 CIRCLE DRIVE, MATLAND, PL. 32751 TELEPHONE: 407.628.082 E-MALI NETOROSESSON.COM PLONDA STATE PLE. NUMBER: 5131 GUS BORES JI. P.E., P.E. I. NUMBER 39410				
Augusto E. Bobes Jr., P.E. No. 39410						

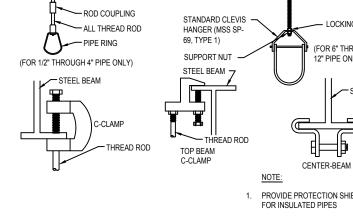
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION						
ROAD NO. COUNTY		FINANCIAL PROJECT ID				
SR 8	COLUMBIA	438609-1-52-01				

PROJECT NORTH	PHASE 2 - 90% S	UBMITTAL
•		DRAWING NO.
SR 8 (I-10) WESTBOUND (COLUMBIA COUNTY)	REST AREA	P-206
		SHEET NO.
P-206 MENS ROOM DOMESTIC WATER RISE	R DIAGRAM	xx

I-10 Rest Areas - Columbia/ME/CHANICAL/P-206 MENS ROOM DOMESTIC WATER RISER DIAGRAM.dwg







PROVIDE PROTECTION SHIELD FOR INSULATED PIPES

2. SIZE RODS AS PER TABLE 13-4 ASPE CHAPTER 13

3. SELECT SUPPORTS AND HANGERS TO COMPLY WITH ASPE CHAPTER 13

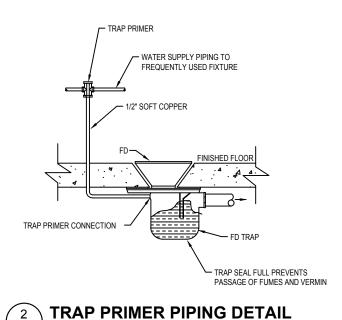
LOCKING NUT

(FOR 6" THROUGH

STEEL BEAM

12" PIPE ONLY)

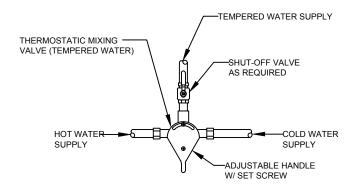




THREADED ROD CUT TO LENGTH, SIZE PER SPECIFICATIONS SECURE TO STRUCTURE WITH NON-EXPLOSIVE INSERTS OR BEAM CLAMPS CARRIER SEE SPECIFICATIONS FOR PIPE HANGER SPACING CLEVIS TYPE PIPE HANGER ELASTOMERIC PAD - STEEL CLAMP

3 P-502

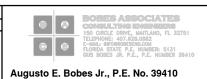
CLEVIS TYPE PIPE HANGER FOR NON-INSULATED PIPING DETAIL P-502 SCALE: NTS



NOTE: THERMOSTATIC MIXING VALVE SHALL BE ZURN MODEL P6900-MV-XL OR EQUAL.

THERMOSTATIC MIXING VALVE DETAIL P-502

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PROJECT NORTH PHASE 2 - 90% SUBMITT					
•	DRAWING NO.				
SR 8 (I-10) WESTBOUND (COLUMBIA COUNTY)	P-502				
		SHEET NO.			
P-502 PLUMBING DETAILS					

			TURE SCHEDUL	
ПЕМ	FIXTURE	MODEL NUMBER	MANUFACTURER	DESCRIPTION
	WATER CLOSET-FLUSH VAVE WALL	NOMBER		
	HUNG			ELECTRONIC FLUSH VALVE TYPE;
WC-1				VITREOUS CHINA CONSTRUCTION,
				ELONGATED BOWL, 1.6 GPF
	WATER CLOSET-FLUSH VAVE WALL			
	HUNG - HANDICAPPED			HANDICAPPED / ADA WATER CLOSET,
WC-2				ELECTRONIC FLUSH VALVE TYPE;
				VITREOUS CHINA CONSTRUCTION,
				ELONGATED BOWL, 1.6 GPF
	URINAL-FLUSH VAVE WALL HUNG-			
UR-1				ELECTRONIC FLUSH VALVE TYPE;
OR-T				VITREOUS CHINA CONSTRUCTION, 1.0 G
	URINAL -FLUSH VAVE WALL HUNG -			
	HANDICAPPED			HANDICAPPED / ADA WATER URINAL.
UR-2				ELECTRONIC FLUSH VALVE TYPE,
				VITREOUS CHINA CONSTRUCTION, 1.0 G
	LAVATORY - COUNTER TOP			
				COUNTER TOP MOUNTING TYPE,
L-1				ELECTRONIC FLUSH VALVE TYPE, VITREOUS CHINA CONSTRUCTION, 0.5 G
				FLOW RESTRICTOR
	LAVOTODY MALL MOUNT			
	LAVATORY - WALL MOUNT - HANDICAPPED			HANDICAPPED / ADA , WALL MOUNTED
L-2	TANDOAFFED			TYPE, ELECTRONIC FLUSH VALVE TYPE
L-Z				VITREOUS CHINA CONSTRUCTION, 0.5 G
				FLOW RESTRICTOR
	LAVATORY - WALL MOUNT -			HANDIOADDED /ADA FOR ADULT
	HANDICAPPED			HANDICAPPED / ADA FOR ADULT CHANGING, WALL MOUNTED TYPE,
L-3				ELECTRONIC FLUSH VALVE TYPE,
-				VITREOUS CHINA CONSTRUCTION, 0.5 G
				FLOW RESTRICTOR
	SHOWER - HANDICAPPED			
	The state of the s			HANDICAPPED / ADA FOR ADULT
SH-1				CHANGING, WALL MOUNTED TYPE,
				SHOWER VALVE AND HEAD ASSEMBLY
	Chile			
	SINK			SINK: SINGLE COMPARTMENT, 18 GAUG
				STAINLESS STEEL CONSTRUCTION, 10"
004				DEEP BOWL, SELF-RIMMING DESIGN,
CS-1				UNDERCOATED FOR SOUND DAMPENII SINGLE LEVER POST MOUNTED FAUCE
				WITH 10" SWING SPOUT, SPRAY AERAT
				AND HOSE
	MOP SINK			
				12" HIGH BASIN WITH 6" DROP FRONT.
				PRECAST TERRAZZO WITH STAINLESS STEEL THRESHOLD, FITTINGS: CHROME
				MIXING FAUCET WITH VACUUM BREAK
MS-1				INTEGRAL STOP ADJUSTABLE WALL
				BRACE PAIL HOOK, AND 3/4" HOSE
				THREAD, HOSE AND HOSE BRACKET, N
				HANGER
	ELECTRIC WATER COOLER-			ITWO LEVEL ELECTRIC - HANDICAPPED
ELNO 1	ELECTRIC WATER COOLER- HANDICAPPED			
EWC-1				
EWC-1				STAINLESS STEEL CONSTRUCTION, 8.1
EWC-1				STAINLESS STEEL CONSTRUCTION, 8.1 GPH OF 50F WATER CAPACITY
EWC-1	HANDICAPPED			STAINLESS STEEL CONSTRUCTION, 8.1
EWC-1	HANDICAPPED			STAINLESS STEEL CONSTRUCTION, 8.1 GPH OF 50F WATER CAPACITY SELF DRAINING FROSTPROOF IN LOCKABLE ENCLOSURE, ANTI CONTAMINATION, 3:4" SZE, ALL BRASS
	HANDICAPPED			STAINLESS STEEL CONSTRUCTION, 8.1 GPH OF 50F WATER CAPACITY SELF DRAINING FROSTPROOF IN LOCKABLE ENCLOSURE, ANTI CONTAMINATION, 3-4" 5/2E, ALL BRASS CONSTRUCTION, NICKEL PLATED FINIS
EWC-1	HANDICAPPED			STAINLESS STEEL CONSTRUCTION, 8.1 GPH OF 50F WATER CAPACITY SELF DRAINING FROSTPROOF IN LOCKABLE ENCLOSURE, ANTI CONTAMINATION, 3:4" SZE, ALL BRASS CONSTRUCTION, NICKEL PLATED FINIS TEFLON IMPREGNATED PACKING, WITH
	HANDICAPPED			SELF DRAINING FROSTPROOF IN
	HANDICAPPED			STAINLESS STEEL CONSTRUCTION, 8.1 GPH OF 50F WATER CAPACITY SELF DRAINING FROSTPROOF IN LOCKABLE ENCLOSURE, ANTI CONTAMINATION, 3:4" SIZE, ALL BRASS CONSTRUCTION, NICKEL PLATED FINIS TEFLON IMPREGNATED PACKING, WITH INTEGRAL VACUUM BREAKER CONFORMING TO ASSE STANDARD 101 AND U.S. HEALTH DEPARTMENT
	HANDICAPPED			STAINLESS STEEL CONSTRUCTION, 8.1 GPH OF 50F WATER CAPACITY SELF DRAINING FROSTPROOF IN LOCKABLE ENCLOSURE, ANTI CONTAMINATION, 3:4" SIZE, ALL BRASS CONSTRUCTION, NICKEL PLATED FINIS TEFLON IMPREGNATED PACKING. WITH INTEGRAL VACUUM BREAKER CONFORMING TO ASSE STANDARD 101
	HANDICAPPED			STAINLESS STEEL CONSTRUCTION, 8.1 GPH OF 50F WATER CAPACITY SELF DRAINING FROSTPROOF IN LOCKABLE ENCLOSURE, ANTI CONTAMINATION, 3:4" SZE, ALL BRASS CONSTRUCTION, NICKEL PLATED FINIS TEFLON IMPREGNATED PACKING, WITH INTEGRAL VACUUM BREAKER CONFORMING TO ASSE STANDARD 101 AND U.S. HEALTH DEPARTMENT STANDARDS
	HANDICAPPED WALL HYDRANT			STAINLESS STEEL CONSTRUCTION, 8.1 GPH OF 50F WATER CAPACITY SELF DRAINING FROSTPROOF IN LOCKABLE ENCLOSURE, ANTI CONTAMINATION, 3'4" SIZE, ALL BRASS CONSTRUCTION, NICKEL PLATED FINIS TEFLON IMPREGNATED PACKING, WITH INTEGRAL VACUUM BREAKER CONFORMING TO ASSE STANDARD 101 AND U.S. HEALTH DEPARTMENT STANDARDS TRAP PRIMER VALVE: MACHINED OF
	HANDICAPPED WALL HYDRANT			STAINLESS STEEL CONSTRUCTION, 8.1 GPH OF 50F WATER CAPACITY SELF DRAINING FROSTPROOF IN LOCKABLE ENCLOSURE, ANTI CONTAMINATION, 3:4" SZE, ALL BRASS CONSTRUCTION, NICKEL PLATED FINIS TEFLON IMPREGNATED PACKING, WITH INTEGRAL VACUUM BREAKER CONFORMING TO ASSE STANDARD 101 AND U.S. HEALTH DEPARTMENT STANDARDS
HB-1	HANDICAPPED WALL HYDRANT			STAINLESS STEEL CONSTRUCTION, 8.1 GPH OF 50F WATER CAPACITY SELF DRAINING FROSTPROOF IN LOCKABLE ENCLOSURE, ANTI CONTAMINATION, 3-4" SIZE, ALL BRASS CONSTRUCTION, NICKEL PLATED FINIS TEFLON IMPREGNATED PACKING, WITH INTEGRAL VACUUM BREAKER CONFORMING TO ASSE STANDARD 101 AND U.S. HEALTH DEPARTMENT STANDARDS TRAP PRIMER VALVE: MACHINED OF CORROSION RESISTANT BRASS -
	HANDICAPPED WALL HYDRANT			STAINLESS STEEL CONSTRUCTION, 8.1 GPH OF 50F WATER CAPACITY SELF DRAINING FROSTPROOF IN LOCKABLE ENCLOSURE, ANTI CONTAMINATION, 3-4" SIZE, ALL BRASS CONSTRUCTION, NICKEL PLATED FINISI TEFLON IMPREGNATED PACKING, WITH INTEGRAL VACUUM BREAKER CONFORMING TO ASSE STANDARD 101 AND U.S. HEALTH DEPARTMENT STANDARDS TRAP PRIMER VALVE: MACHINED OF CORROSION RESISTANT BRASS - CONTAINS NO SPRINGS OR DIAPHRAGM ADJUST TO HIGH OR LOW PRESSURES, INLET 1/2" MALE NPT OPENING OUTLET
HB-1	HANDICAPPED WALL HYDRANT			STAINLESS STEEL CONSTRUCTION, 8.1 GPH OF 50F WATER CAPACITY SELF DRAINING FROSTPROOF IN LOCKABLE ENCLOSURE, ANTI CONTAMINATION, 3-4" 5ZE, ALL BRASS CONSTRUCTION, NICKEL PLATED FINIS TEFLON IMPREGNATED PACKING, WITH INTEGRAL VACUUM BREAKER CONFORMING TO ASSE STANDARD 101 AND U.S. HEALTH DEPARTMENT STANDARDS TRAP PRIMER VALVE: MACHINED OF CORROSION RESISTANT BRASS - CONTAINS NO SPRINGS OR DIAPHRAGN ADJUST TO HIGH OR LOW PRESSURES INLET 1-2" MALE NPT OPENING OUTLET FEMALE NPT. PROVIDE DISTRIBUTION
HB-1	HANDICAPPED WALL HYDRANT			STAINLESS STEEL CONSTRUCTION, 8.1 GPH OF 50F WATER CAPACITY SELF DRAINING FROSTPROOF IN LOCKABLE ENCLOSURE, ANTI CONTAMINATION, 3-4" SIZE, ALL BRASS CONSTRUCTION, NICKEL PLATED FINISI TEFLON IMPREGNATED PACKING, WITH INTEGRAL VACUUM BREAKER CONFORMING TO ASSE STANDARD 101 AND U.S. HEALTH DEPARTMENT STANDARDS TRAP PRIMER VALVE: MACHINED OF CORROSION RESISTANT BRASS - CONTAINS NO SPRINGS OR DIAPHRAGM ADJUST TO HIGH OR LOW PRESSURES, INLET 1/2" MALE NPT OPENING OUTLET

REVISIONS

DATE BY

DESCRIPTION

DESCRIPTION

PLUMBING FIXTURE CONNECTION SCHEDULE										
SYMBOL	BOL DESCRIPTION CW TW HW WASTE VENT F									
WC-1	WATER CLOSET	1"			3"	2"				
WC-2	WATER CLOSET	1"			3"	2"	ADA/HANDICAP			
UR-1	URINAL	3/4"			2"	1 1/2"				
UR-2	URINAL	3/4"			2"	1 1/2"	ADA/HANDICAP			
L-1	LAVATORY	1/2"	1/2"		1 1/2"	1 1/4"	COUNTER			
L-2	LAVATORY	1/2"	1/2"		1 1/2"	1 1/4"	ADA/HANDICAP			
L-3	LAVATORY	1/2"	1/2"		1 1/2"	1 1/4"	ADULT			
SH-1	HANDICAP SHOWER	1/2"	1/2"		3"	1 1/2"	ADA/HANDICAP			
CS-1	COUNTER SINK	1/2"	1/2"		1 1/2"	1 1/4"	ADA/HANDICAP			
MS-1	MOP SINK	1/2"	1/2"	1/2"	3"	1 1/2"				
EWC-1	ELECTRIC WATER COOLER	1/2"			1 1/4"	1 1/4"	ADA/HANDICAP			
HB-1	HOSE BIBB	3/4"					RECESSED			

WATER HAMMER ARRESTOR SCHEDULE						
PD1	FIXTURE UNITS	PIPE SIZE				
	1-11	1/2"				
₿	12-32	3/4"				
0	33-60	1"				
0	61-113	1 1/4"				
€	114-154	1 1/2"				
(F)	155-330	2"				

INSTANTANEOUS ELECTRIC WATER HEATER SCHEDULE														
UNIT NUMBER	KW	FLOW (GPM)		DISCHARGE		VATER WATER		POWER REQUIRED			BREAKER	MANUFACTURER/MODEL	NOTES	
				TEMP. °F		CONNECTION (OUTLET)	VOLTS	PHASE	CYCLES	AMPS	90°C WIRE	AMPS		
IEWH-1.1	2.50	0.5	34	104	1/2"	1/2"	208	1	60	12	14 AWG	20	CHRONOMITE CM-12L/208	1-6
IEWH-1.2	6.24	1.0	43	113	1/2"	1/2"	208	1	60	30	10 AWG	30	CHRONOMITE CM-30L/208	1-6
IEWH-1.3	8.32	1,5	38	108	1/2"	1/2"	208	1	60	40	8 AWG	30	CHRONOMITE CM40/208	1-6

- 1. WATER HEATER SHALL HAVE A PRESET MAXIMUM TEMPERATURE.
- 2. WATER HEATER SHALL MEET ADA REQUIREMENTS.
- 3. WATER HEATER SHALL BE 99% EFFICIENT.
- WATER HEATER SHALL BE 99% EFFICIENT.
 CONTRACTOR SHALL INSTALL BALANCING VALVE ON THE 1/2" COLD WATER SUPPLY LINE FEEDING THIS
 WATER HEATER TO CONTROL WATER FLOW AND DISCHARGE TEMPERATURE.
 UNIT SHALL ACTIVATE AT .20 GPM FLOW RATE.
 FURNISH WITH A STAINLESS STEEL HOUSING.

CONSULTING EVEN HATER 150 CIRCLE DRIVE, MATLAND, FL 32751 TELEPHONE 407-528-0882	STATE OF DEPARTMENT OF T			
FLORIDA STATE P.E. NUMBER: 5131 GUS BORES JR. P.E., P.E. NUMBER 39410	ROAD NO.	COUNTY		
Augusto E. Bobes Jr., P.E. No. 39410	SR 8	COLUMBIA		

)
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ý	SR 8 (I-10) WEST
5	COLINTY	FINANCIAL PROJECT ID		

438609-1-52-01

DRAWING NO. TBOUND (COLUMBIA COUNTY) REST AREA P-601 SHEET NO.

P-601 PLUMBING SCHEDULES

DATE BY

PROJECT NORTH

PHASE 2 - 90% SUBMITTAL