LEGEND SOIL OR WASTE PIPING VENT PIPING COLD WATER SUPPLY PIPING HOT WATER SUPPLY PIPING HWR HOT WATER RETURN PIPING GATE VALVE CHECK VALVE BALL VALVE HOSE BIBB WALL HYDRANT CLEANOUT TO FLOOR FLOOR DRAIN CLEANOUT TO GRADE UNION VTR VENT THRU ROOF SHEET NOTE POINT OF CONNECTION TO EXISTING

 $S \rightarrow X$

MOP RECEPTOR WATER CLOSET TRAP PRIMER ELECTRIC WATER HEATER EWH WATER HAMMER ARRESTOR TYPE A WHA WATER HAMMER ARRESTOR TYPE B WHB WATER HAMMER ARRESTOR TYPE C LAVATORY UR URINAL KILOWATT KW TEMPERATURE CONTROL VALVE MASTER SHUT OFF VALVE SWITCH WV WET VENT CIRCULATOR PUMP 2" HUB DRAIN WITH FLEXIBLE TRAP SEAL BY MIFAB OR EQUAL ABOVE CEILING UNLESS NOTED

MIXING VALVE

UTILITY BOX

SHOWER

SINK

ELECTRIC WATER COOLER

MV

SOLENOID VALVE

GENERAL NOTES

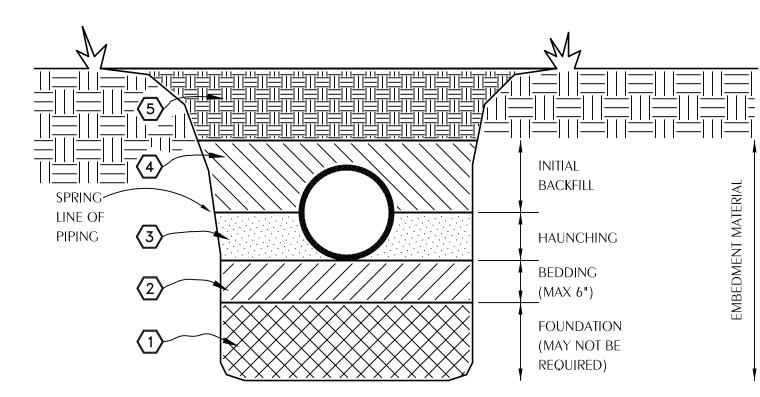
- COORDINATE ALL PIPING WITH DUCTWORK SHOP DRAWINGS AND EXISTING CONDITIONS. ROUTE PIPING AS REQUIRED TO AVOID CONFLICTS.
- 2. PRIOR TO START OF ANY WORK, COORDINATE SANITARY SEWER AND POTABLE WATER PIPING WITH CIVIL DRAWINGS.
- FIELD VERIFY PIPE INVERTS PRIOR TO LAYING OUT SANITARY SEWER PIPING.
- 4. ALL PIPING PASSING THROUGH ANY WALL SHALL HAVE A SLEEVE PER SPECIFICATIONS.
- 5. ALL PIPING PASSING THROUGH FIRE-RATED WALLS SHALL HAVE A FIRE-RATED SLEEVE PER SPECIFICATIONS. ALL PIPING PENETRATIONS THROUGH WALLS OR FLOORS SHALL BE SEALED TO EQUAL THE RATING OF THE WALLS OR FLOORS.
- ALL PIPING INDICATED IS ABOVE THE CEILING EXCEPT THE OBVIOUS SANITARY SOIL, WASTE, VENT AND POTABLE WATER PIPING BELOW FLOOR OR GRADE.
- SEE TOILET ROOM ELEVATIONS ON ARCHITECTURAL DRAWINGS FOR PLUMBING FIXTURE MOUNTING HEIGHT.
- COORDINATE EXACT LOCATION OF ALL EXTERIOR WALL HYDRANTS WITH ARCHITECTURAL DRAWINGS.
- UNDER SLAB SOIL, WASTE AND VENT PIPING PASSING TO UNDERSIDE OR THROUGH FOUNDATION FOOTING, WALL OR GRADE BEAM SHALL BE PROVIDED WITH A RELIEVING ARCH OR PIPE SLEEVE 2 (TWO) PIPE SIZES CREATER THAN PIPE SIZE INDICATED ON PLANS. COORDINATE FINAL PIPE ROUTING AND LAYOUT WITH STRUCTURAL DRAWINGS.
- 10. PRIOR TO SUBSTANTIAL COMPLETION OF NEW AND ALTERED WORK AREAS. CONTRACTOR SHALL HAVE SANITARY PLUMBING SYSTEM CLEARED OF DEBRIS OR ANY MATTER THAT WOULD INTERFERE OR PREVENT ADEQUATE CONVEYANCE OF MATERIALS FROM MOVING THROUGH AND TERMINATING INTO BUILDING OR PUBLIC DISPOSAL FACILITIES.
- 11. 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.
- 12. ALL TRAP PRIMERS AND DOMESTIC WATER ISOLATION VALVES SHALL BE ACCESSIBLE. TRAP PRIMERS LOCATED IN THE VICINITY OF WATER CLOSETS SHALL BE ACTIVATED BY WATER CLOSET USAGE. ISOLATION VALVES SHALL BE OF THE QUARTER TURN BALL OR GATE TYPE.
- 13. CONTRACTOR SHALL DEVELOP AND SUBMIT COORDINATION SHOP DRAWINGS WHICH IDENTIFY ROUTING OF PLUMBING PIPE AND LOCATION OF EQUIPMENT. SHOP DRAWINGS SHALL INDICATE COORDINATION WITH THE WORK OF OTHER TRADES.
- 14. ALL WORK SHALL COMPLY WITH THE FLORIDA BUILDING CODE 8TH EDITION (2023) PLUMBING.

PLUMBING FIXTURE SCHEDULE						
MARK	FIXTURE	PIPE SIZES-INCHES				
		CW	HW	W		
WC-1	WATER CLOSET (HANDICAP HEIGHT)	1	,	4		
WC-2	WATER CLOSET (STANDARD HEIGHT)	1	,	4		
UR-1	URINAL (HANDICAP HEIGHT)	3/4		2		
UR-2	URINAL (STANDARD HEIGHT)	3/4	,	2		
L-1	LAVATORY (HANDICAP HEIGHT)	3/8	3/8	1-1/4		
L-2	LAVATORY (STANDARD HEIGHT)	3/8	3/8	1-1/4		
SK-1	SINK	1/2	1/2	2		
SH-1	SHOWER (HANDICAP)	1/2	1/2	2		
SH-2	SHOWER (STANDARD)	1/2	1/2	2		
EWC-1	ELECTRIC WATER COOLER (BI-LEVEL W/ BOTTLE FILL)	1/2	,	1-1/2		
FD	FLOOR DRAIN	,	,	3		
MV-1	WATER MIXING VALVE	1/2	1/2	1		
EWH-1	ELECTRIC WATER HEATER	1-1/2	1-1/2	1		
EWH-2	ELECTRIC WATER HEATER	1-1/2	1-1/2	,		
CP-1	CIRCULATOR PUMP (INLINE)	,	3/4 FLANGE	,		
TCV-1	TEMPERATURE CONTROL VALVE	,	1/2	,		
TP	TRAP PRIMER	,	,	,		
НВ	HOSE BIBB	3/4	,	,		
UB-1	RECESSED UTILITY WALL BOX (ICE MAKER HOOK-UP)	3/8	,	,		
SP-1	ELEVATOR SUMP PUMP	,	,	1-1/2		
MR-1	MOP RECEPTOR	1/2	1/2	3		

- 1. WATER SUPPLY TAPPING TO EACH PLUMBING FIXTURE SHALL BE FULL SIZE (MINIMUM).
- 2. SEE ELECTRICAL DWGS FOR FINAL POWER REQUIREMENTS.
- 3. PROVIDE WATER HAMMER ARRESTERS ON HOT & COLD WATER SUPPLY BRANCHES SERVING SINGULAR, MULTIPLE OR GROUPS OF PLUMBING FIXTURES. ADHERENCE TO THE PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I.-WH201 (PER SPECIFICATIONS) SHALL BE EMPLOYED IN DETERMINING PROPER SIZE, SELECTION, PLACEMENT, LOCATION AND INSTALLATION OF ARRESTERS.

- (1) A FOUNDATION MAY BE REQUIRED IN VERY POOR SOIL CONDITIONS.
- BEDDING IS REQUIRED PRIMARILY TO BRING THE TRENCH BOTTOM UP TO GRADE. BEDDING MATERIALS SHALL PROVIDE A UNIFORM AND ADEQUATE LONGITUDINAL SUPPORT UNDER THE PIPE. IN DRY SOIL CONDITIONS, CLASS II OR III MATERIAL SHALL BE HAND PLACED IN 4-6", LIGHTLY COMPACTED UNIFORM AND NOT FINER THAN THE FOUNDATION MATERIAL. IN WET CONDITIONS, CLASS I, II OR III MATERIAL SHALL BE HAND PLACED IN 4-6", UNIFORM AND NOT FINER THAN THE FOUNDATION MATERIAL. WHEN UTILIZING CLASS I MATERIAL, SUFFICIENT AMOUNTS OF CLASS II OR III MATERIAL SHALL BE ADDED TO FILL ALL VOIDS CREATED BY THE USE OF CLASS I MATERIAL.
- (3) HAUNCHING MATERIAL SHALL BE HAND PLACED TO THE SPRINGLINE OF THE PIPE. CLASS II OR III MATERIAL SHALL BE CONSOLIDATED UNDER THE PIPE AND HAND TAMPED TO PROVIDE ADEQUATE SIDE SUPPORT.
- (4) INITIAL BACKFILL MATERIAL SHALL BE CLASS II OR III. IT SHALL BE PLACED WITHIN 24-30" ABOVE THE TOP OF THE PIPE AND TAMPED BY A PORTABLE VIBRATOR. FINAL BACKFILL MATERIAL MAY BE MACHINE PLACED. THE MATERIAL SHALL BE CLASS II OR III MATERIAL. CLASS IV MATERIAL MAY BE INSTALLED OUTSIDE OF ROADWAY.
- 5 FINAL BACKFILL UNDER ROADWAYS MAY REQUIRE SPECIAL COMPACTION AND DENSITY TESTS. A MINIMUM OF 30" OF COVER OVER THE TOP OF THE PIPE SHALL BE PROVIDED BEFORE THE TRENCH IS WHEEL, LOADED.

ALL EMBEDMENT MATERIALS SHALL BE NO LESS THAN 95% OF MAXIMUM DENSITY. LABORATORY TESTING OF THE SOIL WILL BE REQUIRED. THIS PROCEDURE SHALL BE REQUIRED ON ALL INSTALLATIONS. ALL TRENCHING. EXCAVATION, AND BACKFILLING SHALL BE IN ACCORDANCE WITH 2023 FLORIDA PLUMBING CODE.

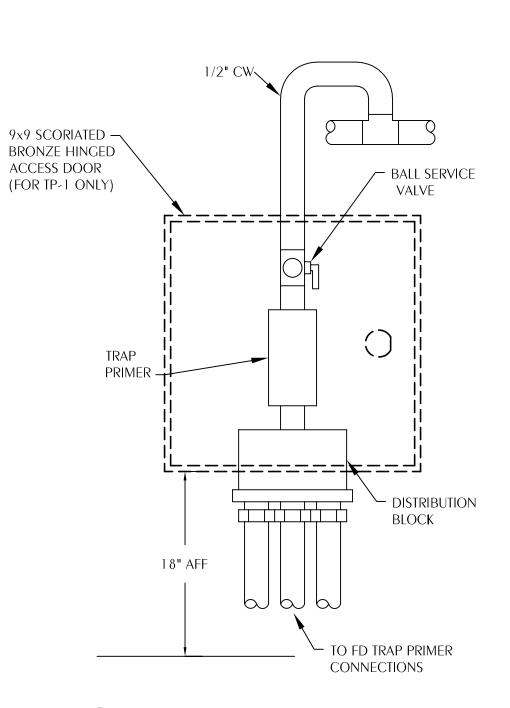


EMBEDMENT MATERIALS

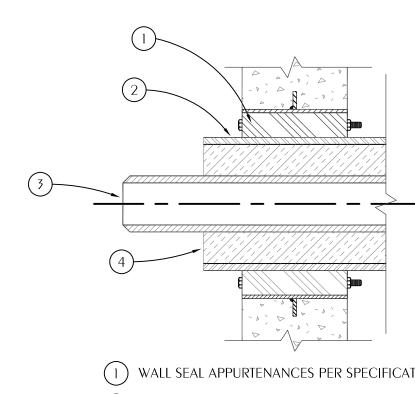
ANGUALAR, 1/4"-1-1/2", GRADED STONE, INCLUDING A NUMBER OF FILL MATERIALS THAT HAVE REGIONAL SIGNIFICANCE SUCH AS CORAL, SLAG, CINDERS, CRUSHED STONE AND CRUSHED SHELLS.

- CLASS II: COARSE SANDS AND GRAVELS WITH MAXIMUM PARTICLE SIZE OF 1-1/2" INCLUDING VARIOUS GRADED SANDS AND GRAVELS CONTAINING SMALL PERCENTAGES OF FINES, GENERALLY GRANULAR AND NON-COHESIVE, EITHER WET OR DRY. SOIL TYPES GW, GP, SW, AND SP ARE INCLUDED IN THIS CLASS.
- CLASS III: FINE SAND AND CLAY GRAVELS, INCLUDING FINE SANDS, SAND-CLAY MIXTURES AND GRAVEL-CLAY MIXTURES. SOIL TYPES GM, GC, SM, AND SC ARE INCLUDED IN THIS CLASS.
- CLASS IV: SILT, SILTY CLAYS, AND CLAYS, INCLUDING INORGANIC CLAYS AND SILT OF MEDIUM TO HIGH PLASTICITY AND LIQUID LIMITS. SOIL TYPES MH, ML, CH, AND CL ARE INCLUDED IN THIS CLASS. THESE MATERIALS ARE NOT TO BE USED FOR BEDDING, HAUNCHING, OR INITIAL BACKFILL.
- CLASS V: THIS CLASS INCLUDES THE ORGANIC SOILS, AS WELL AS SOILS CONTAINING FROZEN EARTH, DEBRIS, ROCKS LARGER THAN 1-1/2" IN DIAMETER AND OTHER FOREIGN MATERIALS. THESE MATERIALS ARE NOT TO BE USED FOR BEDDING, HAUNCHING, OR INITIAL BACKFILL.



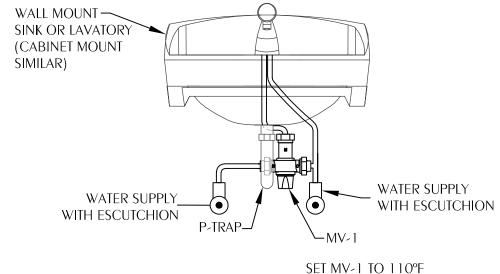


TRAP PRIMER DETAIL



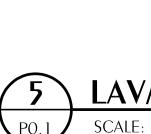
- (1) WALL SEAL APPURTENANCES PER SPECIFICATIONS
- (2) PIPE SLEEVE PER SPECIFICATIONS
- (3) PIPING
- (4) INSULATION

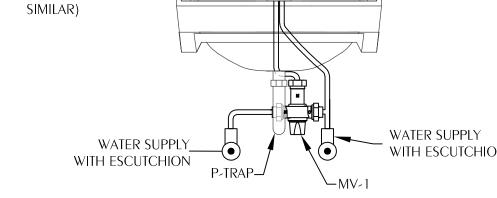
TYPICAL PIPE PENETRATION OF WALL SCALE: NONE



TEMPERTURE

SCALE: NONE





NOTE: MIXING VALVE WILL BE TYPICAL FOR L-1, L-2, SK-1

PLUMBING LEGEND, SCHEDULE, NOTES, AND DETAILS

FLORIDA A&M UNIVERSITY

SHEET NUMBER:

REVISIONS

NO. DESCRIPTION

PHASE

CONSULTANTS:

PROJECT:

HOWARD HALL

RENOVATIONS

TALLAHASSEE, FLORIDA

SCHEMATIC DESIGN SUBMITTAL

10% CONSTRUCTION DOCUMENTS

CONSTRUCTION DOCUMENTS (Rev. 3/17/25)

DESIGN DEVELOPMENT

DRAWN CHECKED DATE

DRAWN CHECKED DATE

MMI

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TALLAHASSEE, FL 323Ø1

PHONE: (850) 878-7891

WATFORD

ENGINEERING

4452 Clinton Street, Marianna, Florida 32446 850.526.3447 Project Number: 2024-037 Florida Certificate of Authorization: 278 Keith A. Johnson, PE Florida License 86

Commission Number: 24849

Ø5/31/24

KAJ | Ø8/Ø6/2

KAJ | 12/20/24

KAJ Ø3/Ø7/2



LAV/SINK MIXING VALVE DETAIL SCALE: NONE

PLUMBING SPECIFICATIONS

WC-1 WATER CLOSET, WALL-MOUNT (HANDICAP, ELECTRONIC VALVE)

VITREOUS CHINA, 1.28 GALLONS PER FLUSH, ELONGATED, SIPHON JET, WHITE, WATER SAVER BOWL WITH 1-1/2" TOP SPUD, 17" HIGH FOR HANDICAPPED. PROVIDE QUIET CONCEALED DIAPHRAGM TYPE ELECTRONIC MOTOR ACTUATOR, SENSOR AND OVER-RIDE BUTTON, CHECK ANGLE STOP, NON-HOLD-OPEN FEATURE, ADJUSTABLE TAILPIECE, SPUD COUPLING AND FLANGES, VACUUM BREAKER, CHROME PLATED WALL COVER PLATES WITH VANDAL RESISTANT SCREWS ALL EXPOSED PARTS CHROME PLATED, HARDWIRED WITH POWER CONVERTER CONTROL. POWER CONVERTER POWERS UP TO 8 VALVES, COORDINATE MAXIMUM NUMBER OF VALVES EACH CIRCUIT, LOW VOLTAGE WIRING PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. HEAVY MOLDED PLASTIC, WHITE, ELONGATED, OPEN FRONT SEAT LESS COVER, WITH STAINLESS STEEL, SELF-SUSTAINING CHECK HINGES. HOLD CENTERLINE FLUSH VALVE ASSEMBLY OFF FINISH WALL FOR GRAB BAR CLEARANCES, COORDINATE WITH ARCHITECTURAL DRAWINGS. FURNISH VERTICAL FLOOR MOUNTED SINGLE/DOUBLE, HUB RIGID SYSTEM WITH UNIVERSAL FOOT SUPPORTS, ADJUSTABLE ABS COUPLING, REAR ANCHOR TIE DOWN AND BONDED NEO-SEAL GASKET, CONFORMING TO FEDERAL SPEC. FF-S-325.

WATER CLOSET ZURN Z5615 ZURN ZEMS6000PL-HET-IS POWER CONVERTER ZURN P-6000-HW6 ZURN Z5955SS-EL-STS NEO-SEAL GASKET KIT ZURN Z5977-NEO CARRIER ZURN Z1202-H4 & Z1202-HD4 BASE ANCHORAGE **B-LINE ANCHORS AWA-50-375**

WATER CLOSET, WALL-MOUNT (STANDARD, ELECTRONIC VALVE):

VITREOUS CHINA, 1.28 GALLONS PER FLUSH, ELONGATED, SIPHON JET, WHITE, WATER SAVER BOWL WITH 1-1/2" TOP SPUD, 15" STANDARD HEIGHT. PROVIDE QUIET CONCEALED DIAPHRAGM TYPE ELECTRONIC 6VDC MOTOR ACTUATOR, SENSOR AND OVER-RIDE BUTTON, CHECK ANGLE STOP, NON-HOLD-OPEN FEATURE, ADJUSTABLE TAILPIECE, SPUD COUPLING AND FLANGES, VACUUM BREAKER, CHROME PLATED WALL COVER PLATES WITH VANDAL RESISTANT SCREWS, ALL EXPOSED PARTS CHROME PLATED, HARDWIRED WITH POWER CONVERTER CONTROL. POWER CONVERTER POWERS UP TO 8 VALVES, COORDINATE MAXIMUM NUMBER OF VALVES EACH CIRCUIT, LOW VOLTAGE WIRING PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. HEAVY MOLDED PLASTIC. WHITE, ELONGATED, OPEN FRONT SEAT LESS COVER. WITH STAINLESS STEEL, SELF-SUSTAINING CHECK HINGES. HOLD CENTERLINE FLUSH VALVE ASSEMBLY OFF FINISH WALL FOR GRAB BAR CLEARANCES, COORDINATE WITH ARCHITECTURAL DRAWINGS. FURNISH VERTICAL FLOOR MOUNTED SINGLE/DOUBLE, HUB RIGID SYSTEM WITH UNIVERSAL FOOT SUPPORTS, ADJUSTABLE ABS COUPLING, REAR ANCHOR TIE DOWN AND BONDED NEO-SEAL GASKET, CONFORMING TO FEDERAL SPEC. FF-S-325.

WATER CLOSET ZURN Z5615 ZURN ZEMS6000PL-HET-IS POWER CONVERTER ZURN P-6000-HW6 SEAT ZURN Z5955SS-EL-STS NEO-SEAL GASKET KIT ZURN Z5977-NEO CARRIER ZURN Z1202-H4 & Z1202-HD4 BASE ANCHORAGE **B-LINE ANCHORS AWA-50-375**

LAVATORY, WALL-MOUNT (HANDICAP):

VITREOUS CHINA 20" X 18", COLOR "WHITE", CENTER HOLE SETTING, FRONT OVERFLOW, FOR CONCEALED ARM SUPPORT. FURNISH FLOOR-MOUNTED SINGLE CARRIER WITH CONCEALED ARMS, LEVELING AND SECURING SCREWS, STRUCTURAL UPRIGHTS AND BLOCK BASES, SECURE BASE TO FLOOR FOR RIGID CONNECTION WITH 1/2" X 3-3/4" THREADED ZINC PLATED STEEL HEAVY DUTY WEDGE ANCHORS, COMPLETE WITH STAINLESS STEEL CLIP, WASHER AND THREADED NUT, CONFORMING TO FEDERAL SPEC. FF-S-325. PROVIDE CHROME PLATED ANGLE STOP TO WALL WITH CHROME PLATED 3/8" FLEXIBLE SUPPLY AND LOOSE KEY OPERATOR, INTEGRAL PERFORATED CAST BRASS STRAINER WITH ELBOW AND 1-1/4" OFFSET TAILPIECE, CHROME PLATED 17 GAUGE CAST BRASS P-TRAP WITH CLEANOUT AND TUBE WASTE TO WALL. POLISHED HARD-WIRED CHROME PLATED CAST BRASS METERING FAUCET WITH COVER PLATE AND SENSOR OPERATION. LAVATORY P-TRAP AND ANGLE VALVE ASSEMBLIES SHALL BE INSULATED WITH A WHITE FORM FITTING EVA FOAM TUBULAR SINK TRAP COVER FOR P-TRAP, SUPPLY STOPS, AND RISERS. COVER SHALL BE SECURED WITH SECURE HOOK AND LOOP (VELCRO). LAVATORY SHALL BE MOUNTED WITH A CLEARANCE OF AT LEAST 28" FROM FLOOR TO BOTTOM OF THE APRON. KNEE AND TOE CLEARANCES SHALL BE AS FOLLOWS: 27" CLEAR HEIGHT SHALL BE PROVIDED FROM FINISHED FLOOR TO A POINT ON UNDERSIDE OF BOWL 8" IN FROM FRONT APRON. TOE CLEARANCE SHALL BE A MINIMUM HEIGHT OF 9" UNDER P-TRAP AND SUPPLIES OR STOPS. SEE ARCHITECTURAL DRAWINGS FOR FINAL MOUNTING HEIGHT PROVIDE WITH MV-1

LAVATORY ZURN Z5341 FAUCET ZURN Z-6901-HW6-CP4-MV POWER CONVERTER ZURN P6000-HW6 SUPPLY W/STOP ZURN Z8800LRLK-P0 ZURN Z8700-PC P-TRAP INSULATION KIT OATEY DEARBORN ADA100 AERATOR ZURN -5M CARRIER ZURN Z-1231 BASE ANCHORAGE B-LINE ANCHORS AWA-50-375 MIXING VALVE WATTS LFUSG-B

LAVATORY, WALL-MOUNT (STANDARD):

URINAL

VITREOUS CHINA 20" X 18", COLOR "WHITE", CENTER HOLE SETTING, FRONT OVERFLOW, FOR CONCEALED ARM SUPPORT. FURNISH FLOOR-MOUNTED SINGLE CARRIER WITH CONCEALED ARMS, LEVELING AND SECURING SCREWS, STRUCTURAL UPRIGHTS AND BLOCK BASES, SECURE BASE TO FLOOR FOR RIGID CONNECTION WITH 1/2" X 3-3/4" THREADED ZINC PLATED STEEL HEAVY DUTY WEDGE ANCHORS, COMPLETE WITH STAINLESS STEEL CLIP, WASHER AND THREADED NUT, CONFORMING TO FEDERAL SPEC. FF-S-325. PROVIDE CHROME PLATED ANGLE STOP TO WALL WITH CHROME PLATED 3/8" FLEXIBLE SUPPLY AND LOOSE KEY OPERATOR, INTEGRAL PERFORATED CAST BRASS STRAINER WITH ELBOW AND 1-1/4" OFFSET TAILPIECE, CHROME PLATED 17 GAUGE CAST BRASS P-TRAP WITH CLEANOUT AND TUBE WASTE TO WALL. POLISHED HARD-WIRED CHROME PLATED CAST BRASS METERING FAUCET WITH COVER PLATE AND SENSOR OPERATION. SEE ARCHITECTURAL DRAWINGS FOR FINAL MOUNTING HEIGHT. PROVIDE WITH MV-1.

LAVATORY ZURN Z5341 FAUCET ZURN Z-6901-HW6-CP4-MV POWER CONVERTER ZURN Z6000-HW6 SUPPLY W/STOP ZURN Z8800LRLK-PC P-TRAP ZURN Z8700-PC STRAINER/TAILPIECE ZURN Z8746 AERATOR ZURN -5M CARRIER ZURN Z-1231 BASE ANCHORAGE B-LINE ANCHORS AWA-50-375 MIXING VALVE WATTS LFUSG-B

URINAL, WALL-MOUNT (HANDICAP, HARD-WIRED, ELECTRONIC VALVE)

VITREOUS CHINA, 0.125 GALLONS PER FLUSH, SIPHON JET FLUSH, 3/4" TOP SPUD, AND 2" OUTLET URINAL EXPOSED CHROME PLATED QUIET DIAPHRAGM TYPE HARD-WIRED ELECTRONIC 6VDC MOTOR ACTUATOR, SENSOR AND OVER-RIDE PUSH BUTTON. MOUNT TO SATISFY ADA REQUIREMENTS, COORDINATE WITH ARCHITECTURAL DRAWINGS (TOILET ROOM ELEVATIONS) FOR FINAL MOUNTING HEIGHT. FURNISH FLOOR MOUNTED SINGLE CARRIER WITH HANGER PLATE, BEARING PLATE, ADJUSTABLE SUPPORTING RODS, STRUCTURAL UPRIGHTS AND BLOCK BASES, SECURE BASE TO FLOOR FOR RIGID CONNECTION WITH 1/2" X 3-3/4" THREADED ZINC PLATED STEEL HEAVY DUTY WEDGE ANCHORS, COMPLETE WITH STAINLESS STEEL CLIP, WASHER AND THREADED NUT, CONFORMING TO FEDERAL SPEC. FF-S-325.

ZURN Z5738-U

VALVE ZURN Z6003PL-IS-ULF-HW6-CPM URINAL FLANGE KIT ZURN Z5976-URINAL CARRIER ZURN Z-1222 POWER SUPPLY ZURN -HW6 B-LINE ANCHORS AWA-50-375 BASE ANCHORAGE

UR-2 URINAL, WALL-MOUNT (STANDARD, ELECTRONIC VALVE)

VITREOUS CHINA, 0.125 GALLONS PER FLUSH, SIPHON JET FLUSH, 3/4" TOP SPUD, AND 2" OUTLET URINAL EXPOSED CHROME PLATED QUIET DIAPHRAGM TYPE ELECTRONIC 6VDC MOTOR ACTUATOR, SENSOR AND OVER-RIDE PUSH BUTTON. COORDINATE WITH ARCHITECTURAL DRAWINGS (TOILET ROOM ELEVATIONS) FOR FINAL MOUNTING HEIGHT. FURNISH FLOOR MOUNTED SINGLE CARRIER WITH HANGER PLATE, BEARING PLATE, ADJUSTABLE SUPPORTING RODS, STRUCTURAL UPRIGHTS AND BLOCK BASES, SECURE BASE TO FLOOR FOR RIGID CONNECTION WITH 1/2" X 3-3/4" THREADED ZINC PLATED STEEL HEAVY DUTY WEDGE ANCHORS. COMPLETE WITH STAINLESS STEEL CLIP, WASHER AND THREADED NUT, CONFORMING TO FEDERAL SPEC. FE-S-325.

URINAL ZURN Z5738-U ZURN Z6003PL-IS-ULF-HW6-CPM VALVE URINAL FLANGE KIT ZURN Z5976-URINAL CARRIER ZURN Z-1222 POWER SUPPLY ZURN -HW6 BASE ANCHORAGE B-LINE ANCHORS AWA-50-375

SINGLE COMPARTMENT STAINLESS STEEL SINK:

22" X 19-1/2" X 10-1/2" DEEP (BOWL IS 18X14X10-1/8), TYPE 304, 18 GAUGE, CENTER HOLE, SELF RIMMING SINGLE COMPARTMENT, (18-8) NICKEL BEARING STAINLESS STEEL, BACK LEDGE SINK WITH SATIN FINISH AND SOUND DEADENING MATERIAL ON SIDES AND BOTTOM OF SINK. PROVIDE TOP MOUNT POLISHED CHROME PLATED CAST BRASS SWING SPOUT FAUCET WITH SINGLE LEVER HANDLE, HOSE AND SPRAY, WITH 1.5 GPM WATER SAVING AERATOR, AND STRAINER WITH REMOVABLE CRUMB CUP AND STOPPER, 1-1/2 TAILPIECE, CHROME PLATED 17 GAUGE CAST BRASS P-TRAP WITH CLEANOUT AND TUBE WASTE TO WALL. CHROME PLATED LOOSE KEY ANGLE STOP TO WALL, WITH 3/8" CHROME PLATED FLEXIBLE HOT AND COLD WATER SUPPLIES. SINK DRILLINGS SHALL ACCOMMODATE FITTING INSTALLATION, ONLY, NO OTHER CAPPED OPENINGS WILL BE ALLOWED. PROVIDE WITH MV-1.

SINK ELKAY DLR-221910 FAUCET ZURN Z82300-XL-19M STRAINER ELKAY LK-35 SUPPLIES ZURN Z-8800-LR-LK P-TRAP ZURN Z-8702 PC MIXING VALVE WATTS LFUSG-B

SHOWER (HANDICAP)

SINGLE HANDLE PRESSURE-BALANCING MIXING VALVE. CERAMIC CONTROL CARTRIDGE WITH STAINLESS STEEL BALANCING PISTON. MUST HOLD SHOWER TEMPERATURE STEADY WITH PRESSURE FLUCTUATIONS UP TO 85%. PACKING WITH BRASS ADJUSTABLE LIMIT STOP SCREW TO PROHIBIT VALVE HANDLE FROM BEING TURNED TO EXCESSIVE HOT DISCHARGE TEMPERATURES. ALL TRIM TO BE COPPER NICKEL CHROME PLATED. SERVICE STOPS TO BE BRASS AND CAST INTEGRAL WITH VALVE BODY. TWO WAY CHROME DIVERTER VALVE. BRASS SHOWER HEAD WITH ARM AND FLANGE. WALL/HAND SHOWER WITH FLEXIBLE METAL HOSE, IN-LINE VACUUM BREAKER, WALL CONNECTION AND FLANGE, 30" SLIDE BAR FOR HAND SHOWER MOUNTING. ABOVE CEILING MIXING VALVE WITH SOLDERED CONNECTION, BRONZE BODY, LIMITS HOT WATER BETWEEN 80°F & 120°F, DOUBLE THROTTLING, INTEGRAL INLET FILTER WASHERS & CHECK VALVES, TAMPER RESISTANT LOCKING CAP. MEETS ASSE 1070 STANDARDS.

SHOWER ZURN Z-7301-SS-MT-DV-2P-HW DRAIN ZURN ZN-415 2" WITH 5" B MIXING VALVE WATTS MMV-US-M1

SH-2 SHOWER:

SINGLE HANDLE PRESSURE-BALANCING MIXING VALVE. CERAMIC CONTROL CARTRIDGE WITH STAINLESS STEEL BALANCING PISTON. MUST HOLD SHOWER TEMPERATURE STEADY WITH PRESSURE FLUCTUATIONS UP TO 85%. PACKING WITH BRASS ADJUSTABLE LIMIT STOP SCREW TO PROHIBIT VALVE HANDLE FROM BEING TURNED TO EXCESSIVE HOT DISCHARGE TEMPERATURES. ALL TRIM TO BE COPPER NICKEL CHROME PLATED. SERVICE STOPS TO BE BRASS AND CAST INTEGRAL WITH VALVE BODY. TWO WAY CHROME DIVERTER VALVE. BRASS SHOWER HEAD WITH ARM AND FLANGE. WALL/HAND SHOWER WITH FLEXIBLE METAL HOSE, IN-LINE VACUUM BREAKER, WALL CONNECTION AND FLANGE, 30" SLIDE BAR FOR HAND SHOWER MOUNTING. ABOVE CEILING MIXING VALVE WITH SOLDERED CONNECTION, BRONZE BODY, LIMITS HOT WATER BETWEEN 80°F & 120°F, DOUBLE THROTTLING, INTEGRAL INLET FILTER WASHERS & CHECK VALVES, TAMPER RESISTANT LOCKING CAP. MEETS ASSE 1070 STANDARDS.

SHOWER ZURN Z-7301-SS-MT-DV-2P-HW DRAIN ZURN ZN-415 2" WITH 5" B MIXING VALVE WATTS MMV-US-M1

ELECTRIC WATER COOLER (DUAL PURPOSE/TWO LEVELS/BOTTLE STATION)

WALL MOUNT, DUAL-PURPOSE UNIT, SELF-CONTAINED ELECTRIC WATER COOLER WITH SENSOR-ACTIVATED BOTTLE FILLING STATION, FURNISH FLOOR MOUNTED TWO LEVELS DOUBLE CARRIER WITH BEARING PLATE, HANGAR PLATE, ADJUSTABLE SUPPORTING RODS, STRUCTURAL UPRIGHTS AND BLOCK BASES, SECURE TO FLOOR WITH 1/2" BOLTS AND ANCHORS. UNIT TO BE COMPLETE WITH HERMETIC AIR COOLED REFRIGERATION SYSTEM, COOLER PRE-COOLER, THERMOSTAT, SAFETY CONTROLS, CONDENSER FAN MOTOR, SILVER ION ANTIMICROBIAL PROTECTION ON KEY PLASTIC COMPONENTS, FLEXI-GUARD SAFETY BUBBLER, VERMIN PROOF INSULATION, HEAVY GAUGE STEEL CABINET, MOISTURE RESISTANT FINISH, QUIET OPERATION. TOP OF COOLER SHALL BE NO. 3 SATIN FINISH STAINLESS STEEL. COOLER CAPACITY SHALL BE 8.0 GPH, LAMINAR FLOW, VISUAL FILTER MONITOR, COOLING 80-DEGREE F WATER TO 50 DEGREE F. PROVIDE ONE-YEAR WARRANTY ON ENTIRE COOLER. PROVIDE CHROME PLATED STOP TO WALL WITH CHROME PLATED 3/8" FLEXIBLE SUPPLY. PROVIDE 1-1/2" CHROME PLATED 17 GAUGE CAST BRASS P-TRAP WITH CLEANOUT. CHROME PLATED LOOSE KEY ANGLE STOP TO WALL WITH 3/8" CHROME PLATED FLEXIBLE HOT AND COLD WATER SUPPLIES. 115V/60HZ, SINGLE PHASE, 5 FULL LOAD AMPS, 370 RATED WATTS, HERMETICALLY-SEALED RECIPROCATING COMPRESSOR, VERIFY FINAL LOCATION AND MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS. FINISH TO BE SELECTED BY ARCHITECT. CERTIFIED TO NSF/ANSI 42, 53, 61, & 372. UL 399 REQUIREMENTS.

EDF ELKAY LZSTL8WSSP TRAP ZURN Z-8702-PC **SUPPLIES** ZURN Z-8800LK CARRIER Z1225 BL

EWH-1 ELECTRIC WATER HEATER:

ASHRAE STANDARD 90.1, GLASS LINED, SUITABLE FOR 150 PSI WORKING PRESSURE, EQUIPPED WITH DUAL EXTRUDED HIGH DENSITY ANODES. TANK LINING TO BE VITRAGLAS ENAMEL WITH MICROBAN. 3" NON-CFC FOAM COVERS THE SIDE AND TOP OF THE TANK. HYDROJET SEDIMENT REDUCTION. INTERAL CIRCUIT FUSING SHALL BE PROVIDED. ELEMENT OPERATION SHALL BE LINEAR SEQUENCING THROUGH INDIVIDUAL MAGNETIC CONTACTORS. CONTROL CABINET AND JACKET SHALL BE OF BAKED ENAMEL FINISH AND SHALL PROVIDE FULL SIZE CONTROL AND ELEMENT COMPARTMENT FOR COMPLETE SERVICE AND MAINTENANCE PERFORMANCE THROUGH FRONT HINGED COMPARTMENT DOOR, AND ENCLOSE TANK WITH FOAM INSULATION. 1-1/2" INLET AND OUTLET CONNECTIONS. HEATER SHALL HAVE A THREE YEAR LIMITED WARRANTY AND CONTROLS AND ACCESSORIES SHALL HAVE A ONE YEAR LIMITED WARRANTY AS OUTLINED IN THE WRITTEN WARRANTY. WATER HEATER SHALL BE 208 VOLTS, 3 PHASE, 18 KW TOTAL, 80 GALLONS. ELEMENT OPERATION SHALL BE LINEAR SEQUENCING.

WATER HEATER BRADFORD WHITE CEHD80(18) VACUUM RELIEF WATTS 36A **EXPANSION TANK** AMTROL "THERM-X-TROL"

EWH-2 ELECTRIC WATER HEATER:

ASHRAE STANDARD 90.1. GLASS LINED. SUITABLE FOR 150 PSI WORKING PRESSURE, EQUIPPED WITH DUAL EXTRUDED HIGH DENSITY ANODES. TANK LINING TO BE VITRAGLAS ENAMEL WITH MICROBAN. 3" NON-CFC FOAM COVERS THE SIDE AND TOP OF THE TANK. HYDROJECT SEDIMENT REDUCTION. INTERAL CIRCUIT FUSING SHALL BE PROVIDED. FLEMENT OPERATION SHALL BE LINEAR SEQUENCING THROUGH INDIVIDUAL MAGNETIC. CONTACTORS. CONTROL CABINET AND JACKET SHALL BE OF BAKED ENAMEL FINISH AND SHALL PROVIDE FULL SIZE CONTROL AND ELEMENT COMPARTMENT FOR COMPLETE SERVICE AND MAINTENANCE PERFORMANCE THROUGH FRONT HINGED COMPARTMENT DOOR, AND ENCLOSE TANK WITH FOAM INSULATION. 1-1/2" INLET AND OUTLET CONNECTIONS. HEATER SHALL HAVE A THREE YEAR LIMITED WARRANTY AND CONTROLS AND ACCESSORIES SHALL HAVE A ONE YEAR LIMITED WARRANTY AS OUTLINED IN THE WRITTEN WARRANTY. WATER

HEATER SHALL BE 208 VOLTS, 3 PHASE, 12.3 KW TOTAL, 50 GALLONS. THREE 4.5KW ELEMENTS. ELEMENT OPERATION SHALL BE LINEAR SEQUENCING THROUGH INDIVIDUAL MAGNETIC CONTACTORS.

WATER HEATER BRADFORD-WHITE CEHD50(13.5) VACUUM RELIEF WATTS 36A **EXPANSION TANK** AMTROL "THERM-X-TROL"

CIRCULATOR PUMP (INLINE TYPE):

INFINITELY VARIABLE CIRCULATOR MADE OF COMPOSITE CASING, HOUSING, IMPELLER, CERAMIC SHAFT, AND CARBON BEARINGS. A 44 WATT ECM PERMANENT MAGNET MOTOR AND ELECTRICAL CHARACTERISTICS ARE 120V/1 PHASE, 60 HZ., WITH 1" CONNECTIONS, MAXIMUM OPERATING PRESSURE OF 150 PSI, UL STANDARD 778 AND NSF CERTIFIED. DIGITAL TIMER WITH CIRCULATOR PROGRAMMING. TEMPERATURE AQUASTAT, MAINTAINS WATER TEMPERATURE BETWEEN 95°F AND 115°F. CIRCUIT SETTER CALIBRATED BALANCE VALVE, LEAD-FREE BRASS, WITH 1/4" NPT TAPPED DRAIN PORT, MEMORY STOP FEATURE, SET AT 1 GPM. PROVIDE CIRCUIT SOLVER A SELF-ACTING THERMOSTATIC RECIRCULATION VALVE SET AT 110°F.

CIRCULATOR TACO 006E3 TACO 265-3 TIMER AQUASTAT TACO 563-2 CIRCUIT SETTER XYLEM CB-1/2S LF CIRCUIT SOLVER CS-1/2-110 RECIRCULATION VALVE (TVC)

WATER MIXING VALVE (THERMOSTATIC MIXING)

UNDER SINK MIXING VALVE, BRONZE BODY, 0.25 GPM ACTIVATION, LIMITS HOT WATER BETWEEN 80°F & 120°F, DOUBLE THROTTLING, DUAL CHECK VALVES, INTEGRAL STRAINER WITH 40 MESH SCREEN, TAMPER RESISTANT LOCKING NUT. MEETS ASSE 1070 STANDARDS.

EXPOSED MIXING VALVE WATTS LFUSG-B

FLOOR DRAIN

DURA-COATED CAST IRON BODY, BOTTOM OUTLET AND TRAP PRIMER CONNECTION. TYPE B POLISHED NICKEL BRONZE STRAINER, MEMBRANE CLAMP & ADJUSTABLE COLLAR WITH SLOTS.

FLOOR DRAIN ZURN Z-415B-P

HDFD HEAVY DUTY FLOOR DRAIN:

12" ROUND TOP, SLOTTED SEDIMENT BUCKET, DURA-COATED CAST-IRON BODY, FLASHING COLLAR WITH CAST-IRON TRACTOR GRATE

FLOOR DRAIN ZURN Z-541-TG

RECESSED HOSE BIB

ANTI-SIPHON VACUUM BREAKER, FLUSH MOUNTING WALL BOX, 3/4 INCH, MALE HOSE THREAD, BRASS CASTING WITH CHROME FINISH POLYCARBONATE WHEEL HANDLE, LOOSE KEY FAUCET OPERATOR.

WALL FAUCET WOODFORD MODEL B24

TEMPERATURE CONTROL VALVE:

CIRCUIT SOLVER A SELF-ACTING THERMOSTATIC RECIRCULATION VALVE SET AT 110°F

RECIRCULATION VALVE (TVC) CIRCUIT SOLVER CS-1/2-110

ICE MAKER HOOK-UP:

RECESSED METAL WALL BOX CONSTRUCTED AND SUITABLE FOR FIRE RATED PARTITIONS, COMPLETE WITH FACTORY INSTALLED SHANK VALVE WITH 1/4" O.D. COPPER OUTLET TESTED AT 100 PSI, PROVIDE APPROXIMATELY 5'0" OF 1/4" O.S. SOFT COPPER TUBING WITH COMPRESSION FITTING IN TIGHT COIL, ANCHOR BOX TO WALL STRUCTURE. VERIFY LOCATION AND MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS OR MOUNT TO MANUFACTURERS RECOMMENDATIONS.

WALL BOX GUY GRAY BIM 875

TRAP PRIMER

PROVIDE BRASS TRAP PRIMERS AND DISTRIBUTION UNITS TO SEAL FLOOR DRAINS INDICATED ON DRAWINGS. TRAP PRIMER VALVES SHALL BE AUTOMATIC, SELF CONTAINED TYPE WITH NO SPRINGS OR DIAPHRAGMS AND SHALL NOT REQUIRE ADJUSTMENT. INLET AND OUTLET SIZE IS 1/2". TRAP PRIMER VALVES SHALL BE THE TYPE THAT CAN BE INSTALLED ANYWHERE ON COLD WATER PIPING SIZE 1-1/2" OR LESS. DISTRIBUTION UNITS SHALL SUPPLY 1-4 FLOOR DRAINS. TRAP PRIMER VALVES SHALL COMPLY WITH ASSE 1018. PRECISION PLUMBING PRODUCTS (PPP).

PPP PR-500 TRAP PRIMER **DISTRIBUTION UNIT** PPP DU-U

SUMP PUMP:

SUBMERSIBLE SUMP PUMP, BRONZE WITH I.P.S. CONNECTION, CAPACITY OF 50 GPM @ 14 FT. DISCHARGE HEAD, PROVIDE WITH MAGNETIC STARTERS, 3450 RPM, INTEGRAL SUBMERSIBLE SWITCH WITH ROD AND FLOAT FOR AUTOMATIC CONTROL. FURNISH WITH METAL FRAME AND STEEL COVER, SIZE TO BE FOR 24"X24"X30" DEEP CONCRETE PIT, COORDINATE WITH STRUCTURAL AND ARCHITECTURAL ELEVATOR WALL FOOTING DETAILS.

SUMP PUMP LIBERTY ELV280 REMOTE ALARM LIBERTY OTC-115

SERVICE SINK (FLOOR TYPE, CORNER):

24" X 24" X 12" DEEP, FLOOR MOUNT, TERRAZZO WITH 20 GAUGE STAINLESS STEEL INTEGRAL CAST CAP, 3" CAST BRASS OUTLET DRAIN WITH STAINLESS STEEL STRAINER. ROUGH CHROME PLATED 8" FAUCET WITH TOP BRACE, STRAIGHT LEVER HANDLES, SWIVEL INLETS, BUCKET HOOK, VACUUM BREAKER, STOPS AND HOSE END. CHROME PLATED LOOSE KEY ANGLE STOP TO WALL WITH 3/8" CHROME PLATED FLEXIBLE HOT AND COLD WATER SUPPLIES.

ACORN TNC-24-TF2 **FAUCET** ZURN Z843 M1 RC

REVISIONS NO. DESCRIPTION

PHASE	DRAWN	CHECKED	DATE
SCHEMATIC DESIGN SUBMITTAL			Ø5/31/24
DESIGN DEVELOPMENT	MMI	KAJ	08/06/2
10% CONSTRUCTION DOCUMENTS	MMI	KAJ	12/20/24
CONSTRUCTION DOCUMENTS (Rev. 3/17/25)	MMI	KAJ	Ø3/Ø7/25



PHONE: (850) 878-7891 ARCHITECTS Commission Number: 24849

DRAWN CHECKED DATE

CONSULTANTS:



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HOWARD HALL RENOVATIONS FLORIDA A&M UNIVERSITY

TALLAHASSEE, FLORIDA

PLUMBING SPECIFICATIONS

SHEET NUMBER:

