

FIXTURE/EQUIPMENT SCHEDULE

ITEM	FIXTURE DESCRIPTION	EQUIPMENT SPECIFICATION	ADA (Y/N)	POTABLE WATER CONNECTIONS			WASTE AND VENT CONNECTIONS	
				COLD	HOT	WASTE	VENT	
SK-1	SINK	JUST DOUBLE BOWL SINK MODEL NSF-280-24L-1212 WITH LEFT SIDE DRAIN BOARD, 14 GAUGE TYPE 304 STAINLESS STEEL, 27 1/2" X 8 1/2" X 12" BOWL, FAUCET LEDGE WITH (2) HOLES ON 4" CENTERS, RECESSED DRAIN OPENING, SUPPORTED ON (4) 16 GAUGE STAINLESS STEEL TUBULAR LEGS WITH FULLY ENCASED GUSSETS AND ADJUSTABLE LEGS, STANDARD 12" BACKSPASH HEIGHT.	Y	-	-	1 1/2"	1 1/4"	
	FAUCET	JUST WALL MOUNT SINK FAUCET MODEL JLK-400 CHROME CONSTRUCTION FAUCET, CAST BRASS BODY AND SPOUT WITH HOSE END OUTLET, 1 1/2" PIPE CONNECTIONS.	Y	1/2"	1/2"	-	-	
	BASKET STRAINER DRAIN ASSEMBLY	JUST MODEL J-35, TYPE 304 STAINLESS STEEL, STRAINER WITH REMOVEABLE STAINLESS STEEL BASKET WITH LOCKING SHELL, BASKET FITTED WITH RUBBER STOPPER ON BOTTOM, 1 1/2" CHROME PLATED TAILPIECE.	-	-	-	1 1/2"	-	
	P-TRAP ASSEMBLY	McGUIRE MANUFACTURING CO., INC. MODEL B8912 HEAVY CAST BRASS BODY P-TRAP WITH 17 GAUGE TUBULAR BRASS WALL BEND WITH CLEANOUT PLUG, SHALLOW STEEL FLANGE, 1 1/2" X 1 1/2" X 17 GAUGE.	-	-	-	1 1/2"	-	
	LAVATORY SUPPLIES (2 REQUIRED)	McGUIRE MANUFACTURING CO., INC. MODEL 177, 1/2" COPPER SWEAT X 1/2" OD, CHROME PLATED BRASS ANGLE STOP, ROUND WHEEL HANDLES, 12" FLEXIBLE CHROME PLATED COPPER LAVATORY RISER, CHROME PLATED STEEL FLANGE.	-	1/2"	1/2"	-	-	
	UNDER LAVATORY PIPING INSULATORS	McGUIRE MANUFACTURING CO., INC. MODEL PW 2000 PRO WRAP SEAMLESS INSULATOR, MOLDED CLOSED CELL VINYL, 3/16" THICK, WHITE, WITH COVERS FOR TRAP, TAIL PIECE, WALL BEND AND 2 SUPPLY COVERS.	-	-	-	-	-	
SK-2	SINK	JUST DOUBLE BOWL SINK MODEL DL-ADA-2037-A-GR, 18 GAUGE TYPE 304, 18-8 STAINLESS STEEL (2) 14" X 16" X 8 1/2" BOWL, FAUCET LEDGE WITH (3) HOLES ON 4" CENTERS, RECESSED DRAIN OPENING, FULLY UNDERCOATED FOR SOUND AND TEMPERATURE INSULATION, POLISHED FINISH, CSA AND IAMPO CERTIFIED TO MEET ASME A112.18.1M, 5 YEAR WARRANTY.	Y	-	-	1 1/2"	1 1/4"	
	FAUCET	MOEN CHATEAU MODEL 7425 CHROME CONSTRUCTION ONE HANDLE LOW ARC FAUCET, VANDAL RESISTANT SCREWS, LEVER STYLE HANDLE WITH HOT AND COLD COLOR INDICATORS, 2.0 GPM AND GRID STRAINER, CSA AND IAMPO CERTIFIED TO MEET ASME A112.18.1M, 5 YEAR WARRANTY.	Y	1/2"	1/2"	-	-	
	BASKET STRAINER DRAIN ASSEMBLY	JUST MODEL J-35, TYPE 304 STAINLESS STEEL, STRAINER WITH REMOVEABLE STAINLESS STEEL BASKET WITH LOCKING SHELL, BASKET FITTED WITH RUBBER STOPPER ON BOTTOM, 1 1/2" CHROME PLATED TAILPIECE.	-	-	-	1 1/2"	-	
	P-TRAP ASSEMBLY	McGUIRE MANUFACTURING CO., INC. MODEL B8912 HEAVY CAST BRASS BODY P-TRAP WITH 17 GAUGE TUBULAR BRASS WALL BEND WITH CLEANOUT PLUG, SHALLOW STEEL FLANGE, 1 1/2" X 1 1/2" X 17 GAUGE.	-	-	-	1 1/2"	-	
	LAVATORY SUPPLIES (2 REQUIRED)	McGUIRE MANUFACTURING CO., INC. MODEL 177, 1/2" COPPER SWEAT X 1/2" OD, CHROME PLATED BRASS ANGLE STOP, ROUND WHEEL HANDLES, 12" FLEXIBLE CHROME PLATED COPPER LAVATORY RISER, CHROME PLATED STEEL FLANGE.	-	1/2"	1/2"	-	-	
	UNDER LAVATORY PIPING INSULATORS	McGUIRE MANUFACTURING CO., INC. MODEL PW 2000 PRO WRAP SEAMLESS INSULATOR, MOLDED CLOSED CELL VINYL, 3/16" THICK, WHITE, WITH COVERS FOR TRAP, TAIL PIECE, WALL BEND AND 2 SUPPLY COVERS.	-	-	-	-	-	
SK-3	SINK	JUST SINGLE BOWL SINK MODEL SL-1515-A-GR, 18 GAUGE TYPE 304, 18-8 STAINLESS STEEL, 14" X 14" X 8 1/2" BOWL, FAUCET LEDGE WITH (3) HOLES ON 4" CENTERS, RECESSED DRAIN OPENING, FULLY UNDERCOATED FOR SOUND AND TEMPERATURE INSULATION, POLISHED FINISH, CSA AND IAMPO CERTIFIED TO MEET ASME A112.18.1M, 5 YEAR WARRANTY.	Y	-	-	1 1/2"	1 1/4"	
	FAUCET	MOEN CHATEAU MODEL 7425 CHROME CONSTRUCTION ONE HANDLE LOW ARC FAUCET, VANDAL RESISTANT SCREWS, LEVER STYLE HANDLE WITH HOT AND COLD COLOR INDICATORS, 2.0 GPM AND GRID STRAINER, CSA AND IAMPO CERTIFIED TO MEET ASME A112.18.1M, 5 YEAR WARRANTY.	Y	1/2"	1/2"	-	-	
	BASKET STRAINER DRAIN ASSEMBLY	JUST MODEL J-35, TYPE 304 STAINLESS STEEL, STRAINER WITH REMOVEABLE STAINLESS STEEL BASKET WITH LOCKING SHELL, BASKET FITTED WITH RUBBER STOPPER ON BOTTOM, 1 1/2" CHROME PLATED TAILPIECE.	-	-	-	1 1/2"	-	
	P-TRAP ASSEMBLY	McGUIRE MANUFACTURING CO., INC. MODEL B8912 HEAVY CAST BRASS BODY P-TRAP WITH 17 GAUGE TUBULAR BRASS WALL BEND WITH CLEANOUT PLUG, SHALLOW STEEL FLANGE, 1 1/2" X 1 1/2" X 17 GAUGE.	-	-	-	1 1/2"	-	
	LAVATORY SUPPLIES (2 REQUIRED)	McGUIRE MANUFACTURING CO., INC. MODEL 177, 1/2" COPPER SWEAT X 1/2" OD, CHROME PLATED BRASS ANGLE STOP, ROUND WHEEL HANDLES, 12" FLEXIBLE CHROME PLATED COPPER LAVATORY RISER, CHROME PLATED STEEL FLANGE.	-	1/2"	1/2"	-	-	
	UNDER LAVATORY PIPING INSULATORS	McGUIRE MANUFACTURING CO., INC. MODEL PW 2000 PRO WRAP SEAMLESS INSULATOR, MOLDED CLOSED CELL VINYL, 3/16" THICK, WHITE, WITH COVERS FOR TRAP, TAIL PIECE, WALL BEND AND 2 SUPPLY COVERS.	-	-	-	-	-	
TD-1	TRENCH DRAIN	HIGH-MARK MANUFACTURING MODEL OPL POLYPROPYLENE DRAIN TROUGH, 12H X 10W X 14" L, 6" DRAIN OUTLET, RESISTANT TO HEAT, CHEMICALS AND CORROSION, PROVIDED WITH PVC LIFT SCREEN WITH CLEAR HINGED LID FOR ACCESS, WASHER EXTRACTORS DRAIN INTO ON TOP AND DRAIN OUT ON THE END.	-	-	-	6"	3"	
TPV-1	TRAP PRIMER VALVE	PRECISION PLUMBING PRODUCTS, INC. MODEL P2-500, ADJUSTABLE FOR LINE PRESSURE, ADJUSTABLE DELIVERY AMOUNT, 35 TO 75 PSIG OPERATING RANGE, -65°F TO 135°F, MACHINED CORROSION RESISTANT BRASS, CONFORMING TO ASSE #1018, WARRANTED FOR LIFE OF SYSTEMS. (1 DRAIN) FIELD ROUTE 1/2" CWS LINE BETWEEN TRAP PRIMER VALVE AND FLOOR DRAIN.	-	1/2"	-	-	-	
TPV-2	TRAP PRIMER VALVE	PRECISION PLUMBING PRODUCTS, INC. MODEL P1-500, DISTRIBUTION UNIT DU-4DU-U, ADJUSTABLE FOR LINE PRESSURE, ADJUSTABLE DELIVERY AMOUNT, 35 TO 75 PSIG OPERATING RANGE, -65°F TO 135°F, MACHINED CORROSION RESISTANT BRASS, CONFORMING TO ASSE #1018, WARRANTED FOR LIFE OF SYSTEMS. (4 DRAIN) FIELD ROUTE 1/2" CWS LINE BETWEEN TRAP PRIMER VALVE AND FLOOR DRAIN.	-	1/2"	-	-	-	
TPV-3	TRAP PRIMER VALVE	PRECISION PLUMBING PRODUCTS, INC. MODEL P2-500, DISTRIBUTION UNIT DU-4DU-U, ADJUSTABLE FOR LINE PRESSURE, ADJUSTABLE DELIVERY AMOUNT, 35 TO 75 PSIG OPERATING RANGE, -65°F TO 135°F, MACHINED CORROSION RESISTANT BRASS, CONFORMING TO ASSE #1018, WARRANTED FOR LIFE OF SYSTEMS. (3 DRAIN) FIELD ROUTE 1/2" CWS LINE BETWEEN TRAP PRIMER VALVE AND FLOOR DRAIN.	-	1/2"	-	-	-	
US-1	UTILITY SINK	JUST SINGLE BOWL UTILITY SINK MODEL L-127, 14 GAUGE TYPE 304, STAINLESS STEEL, 27" X 27" X 16" BOWL, 1 1/2" DIA. ROLL RIM ON 4 SIDES, SUPPORTED ON (4) 16 GAUGE TUBULAR LEGS WITH FULLY ENCASED GUSSETS AND ADJUSTABLE BULLET LEGS, RECESSED DRAIN OPENING.	Y	-	-	1 1/2"	1 1/4"	
	FAUCET	JUST MODEL JS-47-TGSA GOOSENECK SPOUT BACKSPASH MOUNT/WALL MOUNT FAUCET, POLISHED CHROME, HOLES 8" ON CENTERS, LEVER HANDLES, 1.5 GPM.	Y	1/2"	1/2"	-	-	
	BASKET STRAINER DRAIN ASSEMBLY	JUST MODEL J-35, TYPE 304 STAINLESS STEEL, STRAINER WITH REMOVEABLE STAINLESS STEEL BASKET WITH LOCKING SHELL, BASKET FITTED WITH RUBBER STOPPER ON BOTTOM, 1 1/2" CHROME PLATED TAILPIECE.	-	-	-	1 1/2"	-	
	P-TRAP ASSEMBLY	McGUIRE MANUFACTURING CO., INC. MODEL B8912 HEAVY CAST BRASS BODY P-TRAP WITH 17 GAUGE TUBULAR BRASS WALL BEND WITH CLEANOUT PLUG, SHALLOW STEEL FLANGE, 1 1/2" X 1 1/2" X 17 GAUGE.	-	-	-	1 1/2"	-	
	LAVATORY SUPPLIES (2 REQUIRED)	McGUIRE MANUFACTURING CO., INC. MODEL 177, 1/2" COPPER SWEAT X 1/2" OD, CHROME PLATED BRASS ANGLE STOP, ROUND WHEEL HANDLES, 12" FLEXIBLE CHROME PLATED COPPER LAVATORY RISER, CHROME PLATED STEEL FLANGE.	-	1/2"	1/2"	-	-	
	UNDER LAVATORY PIPING INSULATORS	McGUIRE MANUFACTURING CO., INC. MODEL PW 2000 PRO WRAP SEAMLESS INSULATOR, MOLDED CLOSED CELL VINYL, 3/16" THICK, WHITE, WITH COVERS FOR TRAP, TAIL PIECE, WALL BEND AND 2 SUPPLY COVERS.	-	-	-	-	-	
WC-1	WATER CLOSET	KOHLER HIGHCLIFF MODEL K-96057-O ELONGATED TOILET, VITREOUS CHINA, 128 GPF, 17 1/8" RIM HEIGHT, ELONGATED SIPHON ACTION BOWL, FULLY GLAZED TRAPWAY, 1 1/2" TOP SPUD, 2 1/4" PASSAGEWAY, 11" X 9" WATER SURFACE AREA.	Y	-	-	-	-	
	FLUSH VALVE	SLOAN VALVE COMPANY MODEL 111-YO, DUAL FILTERED BYPASS, PERMEX DIAPHRAGM, HANDLE ON TOP SEAT AND VACUUM BREAKER, ADA COMPLIANT METAL OSCILLATING NON-HOLD-OPEN HANDLE, 4 TRIP LIP, BALL HANDLE PACKING, 1" IPS SCREWDRIVER BAK-CHEK ANGLE STOP, FREE SPINNING VANDAL RESISTANT STOP, ADJUSTABLE TAILPIECE, HIGH BACK PRESSURE VACUUM BREAKER FLUSH CONNECTION, ONE PIECE COUPLING NUT, SWEAT SOLDER ADAPTER WITH COVER TUBE AND CAST SET SCREW WALL FLANGE, CHROME FINISH, VALVE BODY, COVER, TAILPIECE AND CONTROL STOP SHALL BE SEMI-RED BRASS, BUMPER ANGLE STOP FOR OPEN FRONT SEAT WITHOUT COVER, VALVE SHALL CONFORM TO ASSE 1037, AND ANSIS/ASSE 112.19.8.	Y	-	-	-	-	
	SEAT	CHURCH SEATS MODEL 9500C ELONGATED OPEN FRONT SEAT LESS COVER, EXTRA HEAVY WEIGHT, INJECTION MOLDED OF SOLID PLASTIC, MOLDED IN BUMPERS, 300 STAINLESS STEEL CHECKERED FINISH, WHITE.	-	-	-	-	-	
WH-1	WALL HYDRANT	MIFAB MODEL MHY-20 ENCASED NON-FREEZE, SELF-DRINKING, ANTI-SIPHON WALL MOUNT, WITH INTEGRAL VANDAL RESISTANT VACUUM BREAKER, BRASS CASING, 1/2" SIZE TYPICAL PIPES, 5" W/ED WITH OPERATING KEY.	-	3/4"	-	-	-	
WMB-1	WASHING MACHINE WATER AND WASTE CONNECTION	GUY GRAY MANUFACTURING COMPANY, INC. MODEL 200, 14" X 9" X 14" H X 3 1/2" D, 20 GAUGE BOX, 20 GAUGE FACEPLATE AND WHITE POWDER COAT FINISH.	-	1/2"	1/2"	2"	1 1/2"	

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ITEM	FIXTURE DESCRIPTION	EQUIPMENT SPECIFICATION	ADA (Y/N)	POTABLE WATER CONNECTIONS			WASTE AND VENT CONNECTIONS	
				COLD	HOT	WASTE	VENT	
CO-1	4' FLOOR CLEANOUT	MIFAB C1000-R-C-P LACQUERED CAST IRON CLEANOUT WITH ANCHOR FLANGE, SECONDARY "O" RING, HEAVY DUTY STAINLESS STEEL COMBINED ACCESS COVER AND PLUG ASSEMBLY WITH PRIMARY GASKET SEAL.	-	-	-	4"	-	
CO-2	6' FLOOR CLEANOUT	MIFAB C1000-R-C-P LACQUERED CAST IRON CLEANOUT WITH ANCHOR FLANGE, SECONDARY "O" RING, HEAVY DUTY STAINLESS STEEL COMBINED ACCESS COVER AND PLUG ASSEMBLY WITH PRIMARY GASKET SEAL.	-	-	-	6"	-	
CO-3	2' FLOOR CLEANOUT	MIFAB C1000-R-C-P LACQUERED CAST IRON CLEANOUT WITH ANCHOR FLANGE, SECONDARY "O" RING, HEAVY DUTY STAINLESS STEEL COMBINED ACCESS COVER AND PLUG ASSEMBLY WITH PRIMARY GASKET SEAL.	-	-	-	2"	-	
CO-4	4" WALL CLEANOUT	MIFAB C1450-R6 CAST IRON CLEANOUT FERRULE WITH 1/2" THICK DUCTILE IRON COMBINED COVER AND PLUG WITH 6" DIAMETER ACCESS COVER.	-	-	-	4"	-	
CO-5	6" EXTERIOR CLEANOUT	MIFAB C1220 LACQUERED CAST IRON CLEANOUT, GAS AND WATERTIGHT THREADED BRONZE PLUG, SATIN FINISH NICKEL BRONZE ADJUSTABLE TOP ASSEMBLY.	-	-	-	6"	-	
CO-6	3' FLOOR CLEANOUT	MIFAB C1000-R-C-P LACQUERED CAST IRON CLEANOUT WITH ANCHOR FLANGE, SECONDARY "O" RING, HEAVY DUTY STAINLESS STEEL COMBINED ACCESS COVER AND PLUG ASSEMBLY WITH PRIMARY GASKET SEAL.	-	-	-	3"	-	
CO-7	3" WALL CLEANOUT	MIFAB C1450-R6 CAST IRON CLEANOUT FERRULE WITH 1/2" THICK DUCTILE IRON COMBINED COVER AND PLUG WITH 6" DIAMETER ACCESS COVER.	-	-	-	3"	-	
EWS-1	EMERGENCY EYEWASH DRENCH SHOWER	HAWS MODEL 8305WC EMERGENCY EYEWASH/DRENCH SHOWER, TWIN ABS EYEFACE WASH HEADS, INTEGRAL FLIP TOP DUST COVERS THAT AUTOMATICALLY RELEASE WITH WATER PRESSURE, POLISHED STAY OPEN CHROME PLATED BALL TYPE VALVE, UNIVERSAL EMERGENCY SIGN, DUAL AUTOMATIC PRESSURE COMPENSATION DEVICES, CONFORMING TO ANSI Z358.1.	Y	1/2"	-	-	-	
EWH-1	ELECTRIC WATER HEATER	STATE INDUSTRIES INC. SANDBLASTER COMMERCIAL ELECTRIC MODEL CSB 120-27 FFE, 119 GALLON STORAGE CAPACITY, ELECTRIC INPUT OF 27 KW, 208 VAC, 3 Ø, MULTIPLE ELEMENTS, 111 GPH @ 100°F, RISE, MAXIMUM SET POINT TEMPERATURE OF 110°, PORCELAIN GLASS LINED TANK, MAGNESIUM ANODE ROD, FACTORY INSTALLED TEMPERATURE AND PRESSURE RELIEF VALVE, FACTORY MOUNTED THERMOSTAT, 150 PSI MAXIMUM WORKING PRESSURE, 5 YEAR WARRANTY ON TANK UL LISTED.	-	1 1/4"	1 1/4"	-	-	
EWH-2	ELECTRIC WATER HEATER	STATE INDUSTRIES INC. SANDBLASTER COMMERCIAL ELECTRIC MODEL CSB 120-27 FFE, 119 GALLON STORAGE CAPACITY, ELECTRIC INPUT OF 27 KW, 208 VAC, 3 Ø, MULTIPLE ELEMENTS, 111 GPH @ 100°F, RISE, MAXIMUM SET POINT TEMPERATURE OF 110°, PORCELAIN GLASS LINED TANK, MAGNESIUM ANODE ROD, FACTORY INSTALLED TEMPERATURE AND PRESSURE RELIEF VALVE, FACTORY MOUNTED THERMOSTAT, 150 PSI MAXIMUM WORKING PRESSURE, 5 YEAR WARRANTY ON TANK UL LISTED.	-	1 1/4"	1 1/4"	-	-	
EXP-1	THERMAL EXPANSION TANK	STATE INDUSTRIES INC. WATERGUARD MODEL ETC-10X, 9.21 GALLON CAPACITY, FIELD ADJUSTABLE 40 PSI AIR CHARGE, DRAWN STEEL TANK WITH 2-COAT BONDED POLYMER INNER LINING, BUTYL DIAPHRAGM, MAXIMUM WORKING PRESSURE, 150 PSI, MAXIMUM TEMPERATURE OF 200°F, IAMPO APPROVED, 5 YEAR WARRANTY.	-	3/4"	-	-	-	
FD-1	2' FLOOR DRAIN	MIFAB F1000 LACQUERED CAST IRON WITH ANCHOR FLANGE, WEEPHOLES, HEAVY DUTY STAINLESS STEEL STRAINER, TRAP PRIMER CONNECTION, AND MEMBRANE CLAMP.	-	1/2"	-	2"	2"	
FD-2	4' FLOOR DRAIN	MIFAB F1000 LACQUERED CAST IRON WITH ANCHOR FLANGE, WEEPHOLES, HEAVY DUTY STAINLESS STEEL STRAINER, TRAP PRIMER CONNECTION, AND MEMBRANE CLAMP.	-	1/2"	-	4"	2"	
FD-3	6' FLOOR DRAIN	MIFAB F1000 LACQUERED CAST IRON WITH ANCHOR FLANGE, WEEPHOLES, HEAVY DUTY STAINLESS STEEL STRAINER, TRAP PRIMER CONNECTION, AND MEMBRANE CLAMP.	-	1/2"	-	6"	2"	
HB-1	HOSE BIBB	WOODFORD MODEL B87 FREEZELESS WALL HYDRANT, BACKFLOW PROTECTED, AUTOMATIC DRAINING WITHIN AN TAMPER RESISTANT BRASS BOX, POLISHED CHROME PLATED FINISH AND SUPPLIED WITH ADJUSTABLE WALL CLAMP.	-	3/4"	-	-	-	
HD-1	3" HUB DRAIN	ZURN ZM415-U-P HUB DRAIN, DURA-COATED CAST IRON BODY W/ BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP, ADJUSTABLE COLLAR W/ SEEPAGE SLOTS AND ADJUSTABLE EXTENSION, TRAP PRIMER CONNECTION.	-	1/2"	3"	2"	-	
ICE-1	REFRIGERATOR ICE MAKER CONNECTION	GUY GRAY MANUFACTURING COMPANY, INC. MODEL BM875, 1/2" FIP INLET X 1/4" OD OUTLET COMPRESSOR ANGLE VALVE, 10" W X 8 3/4" H X 3 1/2" D, 20 GAUGE BOX, 18 GAUGE FACEPLATE, MINIMUM SPANGLER, G90 HOT DIPPED GALVANIZED STEEL, UNPAINTED.	-	1/2"	-	-	-	
LAV-1	LAVATORY	KOHLER MODEL K-1288 CHESAPEAKE WALL HUNG LAVATORY, VITREOUS CHINA, FRONT OVERFLOW, 19 1/4" X 17 1/4" OVERALL DIMENSIONS, 14" X 11" BASIN, SELF-DRAINING DECK AREA, LEDGE, 15" X 10" X 8 3/4" BOWL, SET UP FOR WALL HANGER OR CONCEALED SUPPORT ARMS.	Y	-	-	1 1/4"	1 1/4"	
	FIXTURE CARRIER	MIFAB MC-41 CONCEALED ARM LAVATORY CARRIER, FLOOR MOUNTED, HEAVY DUTY RECTANGULAR STEEL UPRIGHTS WITH INTEGRAL WELDED FEET, ADJUSTABLE DUCTILE IRON ARMS, LEVELING SCREWS WITH BASS LOCKING DEVICE, CAST IRON SUPPORT, UPPER TIE ROD, PLATED FINISH.	-	-	-	-	-	
	FAUCET	MOEN SANI-SINK SINGLE HANDLE FAUCET MODEL 8425, CHROME PLATED METAL CONSTRUCTION, VANDAL RESISTANT SCREWS, LEVER STYLE HANDLE WITH HOT AND COLD COLOR INDICATORS, 2.2 GPM AND GRID STRAINER, CSA AND IAMPO CERTIFIED TO MEET ASME A112.18.1M, 5 YEAR WARRANTY.	Y	1/2"	1/2"	-	-	
	P-TRAP ASSEMBLY	McGUIRE MANUFACTURING CO., INC. MODEL B8912 HEAVY CAST BRASS BODY P-TRAP WITH 17 GAUGE TUBULAR BRASS WALL BEND WITH CLEANOUT PLUG, SHALLOW STEEL FLANGE, 1 1/4" X 1 1/4" X 17 GAUGE.	-	-	-	1 1/4"	-	
	LAVATORY SUPPLIES (2 REQUIRED)	McGUIRE MANUFACTURING CO., INC. MODEL 177, 1/2" COPPER SWEAT X 1/2" OD, CHROME PLATED BRASS ANGLE STOP, ROUND WHEEL HANDLES, 12" FLEXIBLE CHROME PLATED COPPER LAVATORY RISER, CHROME PLATED STEEL FLANGE.	Y	1/2"	1/2"	-	-	
	UNDER LAVATORY PIPING INSULATORS	McGUIRE MANUFACTURING CO., INC. MODEL PW 2000 PRO WRAP SEAMLESS INSULATOR, MOLDED CLOSED CELL VINYL, 3/16" THICK, WHITE, WITH COVERS FOR TRAP, TAIL PIECE, WALL BEND AND 2 SUPPLY COVERS.	-	-	-	-	-	
LAV-2	LAVATORY	KOHLER MODEL K-1284 PENNINGTON COUNTERTOP LAVATORY, VITREOUS CHINA, FRONT OVERFLOW, 20 1/4" X 17 1/2" OVERALL DIMENSIONS, 16" X 11" BASIN.	Y	-	-	1 1/4"	1 1/4"	
	FAUCET	MOEN SANI-SINK SINGLE HANDLE FAUCET MODEL 8425, CHROME PLATED METAL CONSTRUCTION, VANDAL RESISTANT SCREWS, LEVER STYLE HANDLE WITH HOT AND COLD COLOR INDICATORS, 2.2 GPM AND GRID STRAINER, CSA AND IAMPO CERTIFIED TO MEET ASME A112.18.1M, 5 YEAR WARRANTY.	Y	1/2"	1/2"	-	-	
	P-TRAP ASSEMBLY	McGUIRE MANUFACTURING CO., INC. MODEL B8912 HEAVY CAST BRASS BODY P-TRAP WITH 17 GAUGE TUBULAR BRASS WALL BEND WITH CLEANOUT PLUG, SHALLOW STEEL FLANGE, 1 1/4" X 1 1/4" X 17 GAUGE.	-	-	-	1 1/4"	-	
	LAVATORY SUPPLIES (2 REQUIRED)	McGUIRE MANUFACTURING CO., INC. MODEL 177, 1/2" COPPER SWEAT X 1/2" OD, CHROME PLATED BRASS ANGLE STOP, ROUND WHEEL HANDLES, 12" FLEXIBLE CHROME PLATED COPPER LAVATORY RISER, CHROME PLATED STEEL FLANGE.	Y	1/2"	1/2"	-	-	
	UNDER LAVATORY PIPING INSULATORS	McGUIRE MANUFACTURING CO., INC. MODEL PW 2000 PRO WRAP SEAMLESS INSULATOR, MOLDED CLOSED CELL VINYL, 3/16" THICK, WHITE, WITH COVERS FOR TRAP, TAIL PIECE, WALL BEND AND 2 SUPPLY COVERS.	-	-	-	-	-	
MV	MIXING VALVE FOR EMERGENCY EYEWASH	HAWS MODEL 9202 TEMPERED WATER BLENDING SYSTEM SET FOR DELIVERY OF UP TO 20 GPM OF TEPID WATER.	-	1 1/4"	1 1/4"	-	-	
OS-1	OIL/WATER/SAND SEPARATOR	STAY RIGHT 550 GALLON OIL-WATER-SAND SEPARATOR, 24" CAST IRON RING AND COVER, 1 1/4" BUTYL RUBBER SEALANT IN JOINTS AND UTILITY ANCHORS.	-	-	-	6"	3"	
PUMP-1	HOT WATER RECIRCULATING PUMP	ITT BELL & GOSSETT LITTLE RED IN-LINE BOOSTER PUMP MODEL LR-20BF, BRONZE BODY, STAINLESS STEEL FACEPLATE, GLASS FILLED NOVEL IMPELLER, CARBON STEEL SHAFT, MECHANICAL (CARBON OR CERAMIC) SEAL, OIL LUBRICATED BEARING SLEEVE MOTOR BEARINGS, 120 HP, 115V, 80 HZ, 1Ø, 2000 RPM, 1 1/4" WPT FLANGE SIZES, 6 GPM @ 10 FEET HEAD, 125 PSI WORKING PRESSURE, CONTROLLED BY AQUASTAT THAT ENERGIZES MOTOR WHEN WATER TEMPERATURE IS 100°F, OR LESS AND DE-ENERGIZES MOTOR WHEN WATER TEMPERATURE IS 120°F, OR MORE.	-	-	-	1 1/2"	-	
RPZ-1	REDUCED PRESSURE ZONE BACKFLOW	WATTS REGULATOR MODEL 069M2QT-S, SERIES 009 REDUCED PRESSURE ZONE BACKFLOW PREVENTER WITH QUARTER TURN FULL PORT RESILIENT SEATED BRONZE BALL SHUTOFF VALVES WITH LEVER HANDLES, 175 PSI MAXIMUM WORKING PRESSURE.	-	2 1/2"	-	-	-	
SH-1	SHOWER STALL	SHOWER STALL BUILT-IN-PLACE. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS. PC SHALL COORDINATE	-	-	-	-	-	
	FAUCET	MOEN SANI-STREAM SINGLE HANDLE SHOWER FAUCET MODEL 8375, CHROME PLATED METAL CONSTRUCTION, PRESSURE BALANCING CYCLE VALVE DESIGN, VANDAL RESISTANT SCREWS, LEVER STYLE HANDLE WITH TEMPERATURE INDICATOR ON THE ESCUTCHEON, ADJUSTABLE TEMPERATURE LIMIT STOP TO LIMIT HANDLE TRAVEL IN THE HOT DIRECTION, PRESSURE BALANCING MECHANISM MAINTAINS SELECTED DISCHARGE TEMPERATURE TO +/- 2°F, 2.5 GPM, SUPPLIED WITH SHOWER HEAD.	Y	1/2"	1/2"	-	-	
	DRAIN	McGUIRE MANUFACTURING CO., INC. SHOWER STRAINER MODEL 1268A, 2" FIP, HEAVY CAST BRASS BODY, STAINLESS STEEL GRID, VANDAL RESISTANT SCREWS.	-	-	-	2"	2"	
SH-2	SHOWER STALL	SHOWER STALL BUILT-IN-PLACE. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS. PC SHALL COORDINATE	-	-	-	-	-	
	FAUCET	MOEN SANI-STREAM SINGLE HANDLE SHOWER FAUCET MODEL 8348, CHROME PLATED METAL CONSTRUCTION, PRESSURE BALANCING CYCLE VALVE DESIGN, VANDAL RESISTANT SCREWS, LEVER STYLE HANDLE WITH TEMPERATURE INDICATOR ON THE ESCUTCHEON, ADJUSTABLE TEMPERATURE LIMIT STOP TO LIMIT HANDLE TRAVEL IN THE HOT DIRECTION, PRESSURE BALANCING MECHANISM MAINTAINS SELECTED DISCHARGE TEMPERATURE TO +/- 2°F, 2.5 GPM, SUPPLIED WITH HAND HELD SHOWER HEAD WITH HOSE.	Y	1/2"	1/2"	-	-	
	DRAIN	McGUIRE MANUFACTURING CO., INC. SHOWER STRAINER MODEL 1268A, 2" FIP, HEAVY CAST BRASS BODY, STAINLESS STEEL GRID, VANDAL RESISTANT SCREWS.	-	-	-	2"	2"	

DOMESTIC WATER SYSTEM SUMMARY

FIXTURE/EQUIPMENT DESCRIPTION	QTY	FIXTURE UNIT VALUES	FIXTURE UNIT SUB-TOTALS
LAVATORY	8	2.00	16.00
SHOWER	11	4.00	44.00
UTILITY SINK	2	3.00	6.00
WATER CLOSET	8	10.00	80.00
SINK	3	4.00	12.00
DISHWASHER	2	1.40	2.80
WASHER MACHINE	4	4.00	16.00
WASHER EXTRACTORS	5	4.00	20.00
TOTAL FIXTURE UNITS			198.80
200.00 FU =	90.00 GPM		
180.00 FU =	85.50 GPM		
20.00 FU =	4.50 GPM		
4.50 GPM =	0.23 GPM FU		
20.00 FU =	0.23 GPM FU		
198.80 FU X	0.23 GPM FU	=	3.86 GPM
180.00 FU			
65.50 GPM +	3.86 GPM		89.36 GPM

SELECTED PIPE SIZE:
WATER VELOCITY (APPROXIMATE): 5.0 FT/SEC
PRESSURE DROP PER 100 FEET (APPROXIMATE): 3.50 PSI

NOTES:
(1) FIXTURE UNITS, WATER VELOCITY, AND PRESSURE DROP ARE CALCULATED PER NCBC - PLUMBING, LATEST EDITION.
(2) PIPING SIZED PER TABLE E103C, NCBC - PLUMBING, LATEST EDITION.

WASTE AND VENT SYSTEM SUMMARY

FIXTURE/EQUIPMENT DESCRIPTION	QTY	FIXTURE UNIT VALUES	FIXTURE UNIT SUB-TOTALS
FLOOR DRAIN	16	2.00	32.00
LAVATORY	8	1.00	8.00
SHOWER	11	5.00	55.00
UTILITY SINK	2	2.00	4.00
WATER CLOSET	8	4.00	32.00
SINK	3	2.00	6.00