ABBREVATION DEFINITION  AFF ABOVE FINISHED FLOOR ACA ABOVE FINISHED FLOOR ACA ABOVE FINISHED FLOOR ACA ABOVE FINISHED FLOOR ACA ARERICOM AGOS ASSOCIATION ACA ARERICOM MATONAL STANDARDS INSTITUTE NO NORMALLY CLOSED  NORMALLY OPEN ACTION AT APPELOABLE REDUCING VALVE NAME ARERICOM MATONAL STANDARDS INSTITUTE ACTION ACTION AT APPELOABLE REDUCING VALVE NAME ARERICOM SOCIETY OF MECHANICAL ENGINEERS ASME ARERICOM SOCIETY OF MECHANICAL ENGINEERS ASME ARERICOM SOCIETY OF MECHANICAL ENGINEERS ATM ARTISOPHERE BITU BRITISH HIFBRAL LUNIT CONT CONTINUED	TEM CO-1 FD-1 FD-2 LAV-1 FD-2 LAV-1 FD-2 FD-2 FD-2 FD-2 FD-2 FD-2 FD-2 FD-2	ENTINE DESCRIPTION  4" EXTERIOR CLEANOUT  3" FLOOR DRAIN  4" FLOOR DRAIN  LAVATORY  FAUCET  AERATOR P—TRAP ASSEMBLY  LAVATORY SUPPLIES (2 REQUIRED)  UNIDER LAVATORY PIPING INSULATORS  MOP SINK  FAUCET  HOSE CLAMP  MOP HANGER  STRANEER  HOT WATER RECIRCULATING PUMP	EQUIPMENT SPECIFICATION  MIRAB C1220 LACQUERED CAST IRON CLEANOUT, GAS AND WATERTIGHT THREADED BRONZE PLUG, SATIN FINISH INCKEL BRONZE ADJUSTABLE TOP ASSEMBLY.  MIFAB F1000 LACQUERED CAST IRON WITH ANCHOR FLANGE, WEEPHOLES, HEAVY DUTY STAINLESS STEEL  MIFAB F1000 LACQUERED CAST IRON WITH ANCHOR FLANGE, WEEPHOLES, HEAVY DUTY STAINLESS STEEL  STRAINER, TRAP PRIMER CONNECTION, AND MEMBRANE CLAMP.  MIFAB F1000 TACQUERED CAST IRON WITH ANCHOR FLANGE, WEEPHOLES, HEAVY DUTY STAINLESS STEEL  STRAINER, TRAP PRIMER CONNECTION, AND MEMBRANE CLAMP.  STRAINER, TRAP PRIMER CONNECTION, AND MEMBRANE CLAMP, 5' DIAMETER STAINLESS STEEL STRAINER.  ARETICIAN STAINADER MODEL GAFG.028 AGILLATY COUNTERTOP LAVATIORY, VITREOUS CHINA, FRONT VORTION,  OVAL BOWL, SELF-RIMMING, FAUCET LEDGE, 16' WIDE X: 10' FRONT TO BACK X: 5-5/8' DEEP BOWL.  WOEN SANI-SINK SINCLE HANDLE FAUCET MODEL 8425, CHROME PLATED METAL CONSTRUCTION, VANDAL  MOEN SANI-SINK SINCLE HANDLE FAUCET MODEL 8425, CHROME PLATED METAL CONSTRUCTION, VANDAL  MOEN SANI-SINK SINCLE HANDLE FAUCET MODEL 8425, CHROME PLATED METAL CONSTRUCTION, VANDAL  MOEN SANI-SINK ARRATOR MODEL 52002, 15/16'X27 MALE THREAD, WANDLE RESISTANT, O.5 GPM.  MCGUIRE MANUFACTURING CO., INC. MODEL BB872 HEAVY CAST BRASS BODY P-TRAP WITH 17 CAUGE  TUBULAR BRASS WALL BEND WITH CLEANOUT PLUG, SHALLOW STEEL FLANGE, 11/4' X 1 1 1/4' X 1 7 CAUGE  MACGUIRE MANUFACTURING CO., INC. MODEL BREY HEAVY CAST BRASS BIOSUATORY RISER, CHROME  PLATED STEEL FLANGE.  MCGUIRE MANUFACTURING CO., INC. MODEL 177, 1/2' COPPER SWEAT X 1/2' O.0, CHROWE PLATED BRASS  ANGEL STOP, ROUND WHEEL HANDLES, 12' FLEDIBLE CHROME PLATED COPPER LAVATORY RISER, CHROME  PLATED STEEL FLANGE.  MCGUIRE MANUFACTURING CO., INC. MODEL BROWNER 2000 PRO WRAP SEAMLESS INSULATOR, MOLDED CLOSED CELL  MMCGUIRE MANUFACTURING CO., INC. MODEL BROWNER 2000 PRO WRAP SEAMLESS INSULATOR, MOLDED CLOSED CELL  MMCGUIRE MANUFACTURING CO., INC. MODEL MR-371 FAUCET (SPEAKMAN) WITH INTEGRAL VACUUM BREAKER,  FLORESTIONE PRODUCTS CO., INC. MODEL MR-370 HOSE AND CLAMP, 3/8' DU	ADA (Y/N) Y Y N - N	WATER CO   COLD	NNECTIONS		2" 2" 1 1/4"
AFF ADVERSION DECEMBER  A ABOVE GROUND ASSOCIATION  ASS AMERICAN MINIONAL STANDARDS INSTITUTE  ASS AMERICAN MINIONAL STANDARDS INSTITUTE  APPROX APPROXIMATE  APPROX APPROXIMATE  APPROX APPROXIMATE  APPROX APPROXIMATE  ADVERSION DECEMBER  AND AMERICAN MINIONAL STANDARDS INSTITUTE  APPROX APPROXIMATE  APPROX APPROXIMATE  APPROX APPROXIMATE  APPROX APPROXIMATE  ADVERSION DECEMBER  AND AMERICAN  AMERICAN MINIONAL STANDARDS INSTITUTE  APPROX APPROXIMATE  ADVERSION APPROXIMATE  APPROX APPROX APPROXIMATE  APPROX APPROXIMATE  APPROX APPROXIMATE  APPROX APPROXIMATE  APPROX APPROX APPROX APPROXIMATE  APPROX APPRO	FD-1 FD-2 LW-1 FD-2 LW-1 FD-2 FD-2 FD-1 FD-2 FD-1 FD-1 FD-1 FD-1 FD-1 FD-1 FD-1 FD-1	CLEANOUT  3" FLOOR DRAIN  4" FLOOR DRAIN  LAVATORY  FAUCET  AERATOR  P—TRAP ASSEMBLY  LAVATORY SUPPLIES  (2 REQUIRED)  UNDER LAVATORY PIPING INSULATORS  MOP SINK  FAUCET  HOSE CLAMP  MOP HANGER  STRAINER  HOT WATER  RECIRCULATIONS	NICKEL BRONZE ADJUSTABLE TOP ASSEMBY.  IÑS-18" & THE INCX 300D PS CONGRETE SJAB OVER COMPACTED GRAVEL BED.  MIFAB F1000 LACQUERED CAST IRON WITH ANCHOR FLANGE, WEEPHOLES, HEAVY DUTY STAINLESS STEEL  STRAINER, TRAP PRIMER CONNECTION, AND MEMBRANE CLAMP.  WIFAB F1000-7-C LACQUERED CAST IRON WITH ANCHOR FLANGE, WEEPHOLES, HEAVY DUTY STAINLESS STEEL  STRAINER, TRAP PRIMER CONNECTION, AND MEMBRANE CLAMP, 5" DIAMETER STAINLESS STEEL STRAINER.  AMERICAN STAINARD MODEL OF 450-208 ADJUSTAV COUNTERIPD LAVATORY, VITREOUS CHINA, FRONT OVERTOW,  OVAL BOWL, SELF-RIMMING, FAUCET LEDGE, 16" WIDE X 10" FRONT TO BACK X 5 5/8" DEEP BOWL.  MOEN SANI-SINK SINGLE HANDLE FAUCET MODEL 8425, CHROME PLATED METAL CONSTRUCTION, VANDAL  RESISTANT SCREWS, LEVER STYLE HANDLE WITH HOT AND COLD COOR INDICATORS, PULL—ONLY PUBL—OF  OPERATION, CSA AND MAPPO CERTIFIED TO MEET ASME A112.18.1M, 5 YEAR WARRANTY, SUPPLIED WITH A  CHROWE GRID WASTE.  MOEN SANI-SINK AERATOR MODEL 52802, 15/16"X27 MALE THREAD, VANDAL RESISTANT, 0.5 GPM.  MCGURE MANUFACTURING CO., INC. MODEL 1872, 11/2" COPPER SWEAT X 1/2" OD, CHROWE PLATED BRASS  ANGLE STOP, ROUND WHEEL HANDLES, 12" FLEXIBLE CHANGE, 11/4" X 1 1/4" X 1 17 CAUGE  MCGURE MANUFACTURING CO., INC. MODEL 177, 1/2" COPPER SWEAT X 1/2" OD, CHROWE PLATED BRASS  ANGLE STOP, ROUND WHEEL HANDLES, 12" FLEXIBLE CHROME PLATED MORPE PLATED BRASS  ANGLE STOP, ROUND WHEEL HANDLES, 12" FLEXIBLE CHROME PLATED ROPER LAVATORY RISER, CHROME  MCGURE MANUFACTURING CO., INC. MODEL 177, 1/2" COPPER SWEAT X 1/2" OD, CHROWE PLATED BRASS  ANGLE STOP, ROUND WHEEL HANDLES, 12" FLEXIBLE CHROME PLATED ROPER LAVATORY RISER, CHROME  MCGURE MANUFACTURING CO., INC. MODEL PW 2000 PRO WRAP SEAMLESS INSULATOR, MOLDED CLOSED CELL  MCGURE MANUFACTURING CO., INC. MODEL BRASS AND PLATE OF THE PLATE, 11" HIGH, GALVANIZED  STEEL FLANGE, STAINLESS STEEL PROTECTIVE CAP, AND 3" BRASS BODY CAST IN PLACE.  FLORESTIONE PRODUCTS CO., INC. MODEL MR-371 HAUGE SIPPLY COVERS.  FLORESTIONE PRODUCTS CO., INC. MODEL MR-371 HAUGE SIPPLY COVERS.  FLORESTONE PRODUCTS	- Y Y N	1/2" 1/2" 1/2" 1/2"	- - - 1/2' - - 1/2'	4°  3°  4°  1 1/4°  -  1 1/4°  -  -  1 -	2" 2" 1 1/4"
AGA ABDVE GROUND  AGA ARCRAN GAS ASSOCIATION  AGA ARCRAN GAS ASSOCIATION  ANSI ARCRAN GAS ASSOCIATION  ANSI ARCRAN GAS ASSOCIATION  ANSI ARCRAN GAS ASSOCIATION  ANSI ARCRAN GAS ARCRANGARS INSTITUTE  AND ARCRANGARS  ARCRANG	FD-2 LAV-1 PUMP-1 PUMP-1 80-1,2,3,4	A" FLOOR DRAIN  LAVATORY  FAUCET  AERATOR P—TRAP ASSEMBLY  LAVATORY SUPPLIES (2 REQUIRED)  UNIDER LAVATORY PIPING INSULATORS  MOP SINK  FAUCET  HOSE CLAMP  MOP HANGER  STRAINER  HOT WATER  RECIRCULATIONS	18*145*6* THICK 3000 PSI CONCRETE SIAB OVER COMPACTED GRAVEL BED.  MIFAB F1000 LACQUERED CAST IRON WITH ANCHOR FLANGE, WEEPHOLES, HEAVY DUTY STAINLESS STEEL  STRAINER, TRAP PRIMER CONNECTION, AND MEMBRANE CLAMP.  MIFAB F1000—7-C LACQUERED CAST IRON WITH ANCHOR FLANGE, WEEPHOLES, HEAVY DUTY STAINLESS STEEL  STRAINER, TRAP PRIMER CONNECTION, AND MEMBRANE CLAMP, 5* DIAMETER STAINLESS STEEL STRAINER.  AMERICAN STANDARD MODEL 0476.028 AQUILATYN COUNTERTOP LAWTORY, VITREOUS CHIMA, FRONT OVERFLOW,  VOAL BOWL, SELE-FRIMMING, FAUCLE LEDGE, 16* WIDE X 10* FRONT TO BACK X: 5 5/6* DEEP BOWL  MOEN SANI-SINK SINGLE HANDLE FALICET MODEL 8425, CHROME PLATED METAL CONSTRUCTION, VANDAL  RESISTANT SCREWS, LEVER STYLE HANDLE WITH HOT AND COLD COLOR INDICATORS, PULL—ON/PUSH-OFF  OPERATION, CSA AND MAPPO CERTIFIED TO MEET SAME A112.18.1M, 5* YEAR WARRANTY, SUPPLIED WITH A  CHROME GRID WASTE.  MCGURE MANUFACTURING CO., INC. WODEL BB872 HEAVY CAST BRASS BODY P—TRAP WITH 17 CAUGE  TUBBULAR BRASS WALL BEND WITH CLEANOUT PLUG, SHALLOW STEEL FLANGE, 1 1/4* X 1 1 /4* X 1 7 CAUGE  MCGURE MANUFACTURING CO., INC. WODEL 177, 1/2* COPPER SWEAT X 1/2* 00, CHROWE PLATED BRASS  ANGLE STOP, ROUND WHEEL HANDLES, 12* FLEXIBLE CHROME PLATED COPPER LAWTORY RISER, CHROME  PLATED STEEL FLANGE.  M-GURE MANUFACTURING CO., INC. MODEL PW 2000 PRO WRAP SEAMLESS INSULATOR, MOLDED CLOSED CHANDES, 12* FLEXIBLE CHROME PLATED COPPER LAWTORY RISER, CHROME  PLATED STEEL FLANGE.  M-GURE MANUFACTURING CO., INC. MODEL DEL PW 2000 PRO WRAP SEAMLESS INSULATOR, MOLDED CLOSED CHANDLES, 11/4* X 1 1/4* X 1	Y Y	1/2" 1/2"	- - 1/2* -	4" 1 1/4" - 1 1/4" - 1 1/4" -	2" 1 1/4"
AASI AUERICAN MATIONAL STANDARDS INSTITUTE  AMP AUPP  AMP AUPP  AND AUPPER  ANSI AUERICAN MATIONAL STANDARDS INSTITUTE  AND AUPPER  ANSI AUERICAN MATIONAL STANDARDS INSTITUTE  AND AUERICAN  AND AUERICAN  AND AUERICAN  AND AUERICAN  AND AUERICAN  AUERICAN MATIONAL STANDARDS INSTITUTE  AND AUERICAN  AUGUST AUERICAN  AU	FD-2 LAV-1 PUMP-1 PUMP-1 80-1,2,3,4	A" FLOOR DRAIN  LAVATORY  FAUCET  AERATOR P—TRAP ASSEMBLY  LAVATORY SUPPLIES (2 REQUIRED)  UNIDER LAVATORY PIPING INSULATORS  MOP SINK  FAUCET  HOSE CLAMP  MOP HANGER  STRAINER  HOT WATER  RECIRCULATIONS	SITAMER, TRAP PRIMER CONNECTION, AND MEMBRANE CLAMP.  MIRAB F1007—7C. LACQUERED CAST IRON WITH MICHOS FLANGE, WEPHOLES, HEAVY DUTY STAINLESS SITEL STRAINER, TRAP PRIMER CONNECTION, AND MEMBRANE CLAMP, 5° DIAMETER STAINLESS SITEL STRAINER.  AMERICAN STANDARD MODEL 0476.028 AQUALYN COUNTERTOP LAVATORY, VITREOUS CHIMA, FRONT OVERFLOW, OVAL BOWN, SELF-RIMMING, FAUCET LEDGE, 16° WIDE X 10° FRONT TO BACK X 5 5/8° DEEP BOWL.  MOEN SAN-SINK SINGLE HANDLE FAUCET MODEL 8425, CHROME PLATED METAL CONSTRUCTION, WANDAL RESISTANT SCREWS, LEVER STRIFE HANDLE WITH HOT AND COLD COOR INDICATORS, PULL—ONLY PUBL—OFF OPERATION, CSA AND JAMPO CERTIFIED TO MEET ASME A112.18.1M, 5 YEAR WARRANTY, SUPPLIED WITH A CHROME GRID WASTE.  MCDIN SAN-SINK AEPATOR MODEL 52802, 15/16°X27 MALE THREAD, WANDAL RESISTANT, 0.5 GPM.  MCGUIRE MANUFACTURING CO., INC. MODEL BB872 HEAVY CAST BRASS BODY P—TRAP WITH 17 CAULGE TUBBULAR BRASS WALL BEND WITH CLEANDUT PLUE, SHALLOW STEEL FLANGE, 11/4 X 1 1/4′ X 1 7 CAUGE MCGUIRE MANUFACTURING CO., INC. MODEL 177, 1/2° COPPER SWEAT X 1/2° OD, CHROME PLATED BRASS ANGLE STOP, ROUND WHELE HANDLES, 12° FLEEBIEL CHROME PLATED HANDLES, 12° FLEEBIEL CHROME, 11/4 X 1 1/4′ X 1 7 CAUGE MCGUIRE MANUFACTURING CO., INC. MODEL PW 2000 PRO WRAP SEAMLESS INSULATOR, MOLDED CLOSED CELL WINT, 3/16° HINC, WHITE WITH COVERS FOR TRAP, 7ALL PIECE, WALL BEND AND 2 SUPPLY COVERS.  FLORESTIONE PRODUCTS CO., INC. MODEL BR 371 FAUCET (SPEAKMAN) WITH INTEGRAL VACUUM BREAKER, DOUBLE STOPS AND BUCKET HOOK WITH WALL BRACE.  FLORESTONE PRODUCTS CO., INC. MODEL WR-371 FAUCET (SPEAKMAN) WITH INTEGRAL VACUUM BREAKER, DOUBLE STOPS AND BUCKET HOOK WITH WALL BRACE.	Y Y	1/2" 1/2"	- - 1/2* -	4" 1 1/4" - 1 1/4" - 1 1/4" -	2" 1 1/4"
AMERICAN MATIONAL STANDARDS INSTITUTE APPROXIMATE APPROXIMATE ARCRICON SOCIETY OF MECHANICAL ENGINEERS ASME ARCRICON SOCIETY OF MECHANICAL ENGINEERS AND ARCRICON SOCIETY ARCRICON SOCIE	MS-1 PUMP-1 30-1,2,3,4	LAVATORY  FAUCET  AERATOR P—TRAP ASSEMBLY  LAVATORY SUPPLIES (2 REQUIRED)  UNDER LAVATORY PIPING INSULATORS  MOP SINK  FAUCET  HOSE CLAMP  MOP HANGER  STRANKER  HOT WATER  REGIRGULATIONS	AMERICAN STANDARD MODEL 0476.028 ADJILLYN COUNTERTOP LAWTORY, VITTEOUS CHINA, FRONT OVERFLOW, OVAL BOWL, SELF-RIMMING, FAUCET LEDGE, 16° WIDE X 10° FRONT TO BACK X 5 5/8° DEEP BOWL.  MOEN SAN-SINK SINGLE HANDLE FAUCET MODEL 8425, CHRONE PLATED METAL CONSTRUCTION, VANDAL RESISTANT SCREWS, LEVER STYLE HANDLE WITH HOT AND COLD COLOR INDICATORS, PULL—ON/PUSH-OFF OPERATION, COS AND MAPPO CERTIFIED TO MEET SAME A121.81M, 5 YEAR WARRANTY, SUPPLIED WITH A CHROWE GRID WASTE.  MCDEN SAN-SINK AERATOR MODEL 52602, 15/16° X27 MALE THREAD, WANDAL RESISTANT, 0.5 GPM.  MCGUIRE MANUFACTURING CO., INC. MODEL BB872 HEAVY CAST BRASS BODY P-TRAP WITH 17 CAUGE TUBULAR BRASS MALE BEND WITH CLEANOUT PLUG, STALLOW STELE FLANGE, 1 1/4" X 1 1/4" X 17 CAUGE AND COUNTY OF THE WARD STORY, TO CAUGE CHARD WARD STORY, TO CAUGE AND COUNTY OF THE WARD STORY, TO CAUGE CHARD WARD STORY, TO CAUGE CHARD WARD STORY, TO CAUGE CELL WATCH Y RISER, CHROME PLATED STORY, THE CHARDES, STANLESS STEEL FRONTECTIVE CAP, AND 3° BRASS DRAIN BODY CAST IN PLACE.  FLORESTONE PRODUCTS CO., INC. MODEL B1 TERRAZZO MOP RECEPTOR, 24" X 24" X 12" HIGH, GALVANIZED STEEL FLANGE, STANLESS STEEL FRONTECTIVE CAP, AND 3° BRASS DRAIN BODY CAST IN PLACE.  FLORESTONE PRODUCTS CO., INC. MODEL MR-370 HOSE AND CLAMP, 3/8" DIAMETER X 5"-0" LONG.  FLORESTONE PRODUCTS CO., INC. MODEL MR-370 HOSE AND CLAMP, 3/8" DIAMETER X 5"-0" LONG.  FLORESTONE PRODUCTS CO., INC. MODEL MR-370 HOSE AND CLAMP, 3/8" DIAMETER X 5"-0" LONG.  FLORESTONE PRODUCTS CO., INC. MODEL MR-370 HOSE AND CLAMP, 3/8" DIAMETER X 5"-0" LONG.	Y Y N	1/2*	- - 1/2* -	1 1/4" 1 1/4" 1 1/4" -	1 1/4" - - -
ASME AKERICAN SOCIETY OF MECHANICAL ENGINEERS NTS NOT TO SCALE  ATM AMOSPHERE BITU BRITISH THERMAL UNIT CONT CONTINUED BITUSH STERMAL UNIT CONT CONTINUED PC PLUMBING CONTRACTOR CW COLD WATER SUPPLY PS POUNDS PER SQUARE NCH PER SQUARE NCH PER SQUARE NCH PER SQUARE PER SQUARE NCH POUNDS PER SQUARE NCH POUNDS PER SQUARE NCH PER NCH PER SQUARE NCH PER SQUARE NCH PER NCH PER SQUARE NCH PER NCH PER SQUARE NCH PER NC	MS-1 PUMP-1 30-1,2,3,4	FAUCET  AERATOR P—TRAP ASSEMBLY LAVATORY SUPPLIES (2 REQUIRED) UNDER LAVATORY PIPING INSULATORS MOP SINK  FAUCET  HOSE CLAMP MOP HANGER STRAINER HOT WATER REGIRGULATIONS	OVAL BOWL, SELF-MINING, FAUCET LEDGE, 16" WIDE X 10" FRONT TO BACK X 5 5/8" DEEP BOWL.  WOEN SAN-SINK SINGLE HANDLE FAUCET MODEL 8425, CHROME PLATED METAL CONSTRUCTION, WANDAL RESISTANT SCREWS, LEVER STYLE HANDLE WITH HOT AND COLD COLOR INDICATORS, PULL—ON/PUSH—OFF OPERATION, CSA AND BAMPO CERTIFIED TO MEET ASME A112.18.1M, 5 YEAR WARRANTY, SUPPLIED WITH A CHROWE GRID WASTE.  MCEN SANI—SINK AERATOR MODEL 52602, 15/16"X27 MALE THREAD, WANDAL RESISTANT, O.5 GPM.  McGUIRE MANIFACTURING CO., INC. MODEL BB872 HEAVY CST BRASS NDOUP P—TRAP WITH 17 CALICE TUBBLAR BRASS WALL BEND WITH CLEANOUT PLUG, SHALLOW STEEL FLANGE, 11/4" X 1 1/4" X 17 CALICE TUBBLAR BRASS WALL BEND WITH CLEANOUT PLUG, SHALLOW STEEL FLANGE, 11/4" X 1 1/4" X 17 CALICE MCGUIRE MANUFACTURING CO., INC. MODEL 177, 1/2" COPPER SWEAT X 1/2" O.0, CHROWE PLATED BRASS.  ANALES TOP, ROUND WHEEL HANDLES, 12" FLEXIBLE CHROWE PLATED COPPER LAVATORY RISER, CHROME PLATED STEEL FLANGE.  MCGUIRE MANUFACTURING CO., INC. MODEL PW 2000 PRO WRAP SEAMLESS INSULATOR, MOLDED CLOSED CELL WITH, 3/16" HICK, WHITE, WITH COVERS FOR TRAP, TAIL PIECE, WALL BEND AND 2 SUPPLY COVERS.  FLORESTIONE PRODUCTS CO., INC. MODEL BI TERRAZZO MOP RECEPTIOR, 2" X 24" X 12" HIGH, GALVANIZED STEEL FLANGE, STANLESS STEEL PROTECTIVE CAP, AND 3" BRASS BRAIN BODY CAST IN PLACE.  FLORESTIONE PRODUCTS CO., INC. MODEL MR—371 FALCET (SPEAKMAN) WITH INTEGRAL VACUUM BREAKER, DOUBLE STOPS AND BUCKET HOOK WITH WALL BRACE.  FLORESTIONE PRODUCTS CO., INC. MODEL MR—370 HOSE AND CLAMP, 3/8" DIAMETER X 5"—0" LONG.  FLORESTIONE PRODUCTS CO., INC. MODEL MR—370 HOSE AND CLAMP, 3/8" DIAMETER X 5"—0" LONG.  FLORESTIONE PRODUCTS CO., INC. MODEL MR—370 HOSE AND CLAMP, 3/8" DIAMETER X 5"—0" LONG.  FLORESTIONE PRODUCTS CO., INC. MODEL MR—370 HOSE AND CLAMP, 3/8" DIAMETER X 5"—0" LONG.  FLORESTIONE PRODUCTS CO., INC. MODEL MR—370 HOSE AND CLAMP, 3/8" DIAMETER X 5"—0" LONG.	Y N	- - 1/2* -	- - 1/2* -	- 1 1/4" -	-
CONT CONTINUED  CW COLD WATER SUPPLY  CW COLD WATER SUPPLY  DIA DIMACTER  R THENMAL RESISTANCE  DEG DEGREE  EC ELECTRICAL CONTRACTOR  EL ELEVATION  FF FINISHED FLOOR  FI FINISHED FLOOR  FI FINISHED FLOOR  FI FI FI FI FINISHED FLOOR  FI FI FI FI FI FINISHED FLOOR  FI FI FI FI FI FI FINISHED FLOOR  FI F	PUMP-1 R0-1,2,3,4 5	AERATOR P-TRAP ASSEMBLY LAWATORY SUPPLES (2 REQUIRED) UNDER LAWATORY PIPMO INSULATORS MOP SINK FAUCET HOSE CLAMP MOP HANGER STRANKER HOT WATER RECIRCULATION	BESISTANT SCREWS, LEVER STYLE HANDLE WITH HOT AND COLD COLOR INDICATORS, PULL—ON/PUSH-OFF OPERATION, COA AND MAPO CERTIFIED TO MET SAME A17.18.1M., 5 YEAR WARRANTY, SUPPLIED WITH A CHROWE GRID WASTE.  McGUIRE MANUFACTURING CO., INC. MODEL BB872 HEAVY CAST BRASS BODY P-TRAP WITH 17 CAUGE TUBULAR BNASS MALE BRID WITH CLEANOUT PLUG, SHALLOW STELF FLANGE, 1 1/4" X 1 1/4" X 1 7 CAUGE TUBULAR BNASS MALE BRID WITH CLEANOUT PLUG, SHALLOW STELF FLANGE, 1 1/4" X 1 1/4" X 1 7 CAUGE MCGUIRE MANUFACTURING CO., INC. MODEL 17, 1/2" COPPER WART X 1/2" OO, CHROWE PLATED BRASS ANGLE STOP, ROUND WHELE HANDLES, 1/2" FLEXIBLE CHROWE PLATED CREPE FLANGE.  McGUIRE MANUFACTURING CO., INC. MODEL PW 2000 FOR WRAP SEAMLESS INSULATOR, MOLDED CLOSED CELL WITH, 3/16" FINCK, WHITE WITH COVERS FOR TRAP, TAIL PIECE, WALL BEND AND 2 SUPPLY COVERS.  FLORESTONE PRODUCTS CO., INC. MODEL B1 TERRAZZO MOP RECEPTOR, 24" X 24" X 12" HIGH, GALVANIZED STELE FLANGE, STIANLESS STELL PROTECTIVE CAP, AND 3" BRASS DRAIN BODY CAST IN PLACE.  FLORESTONE PRODUCTS CO., INC. MODEL B1 TERRAZZO MOP RECEPTOR, 24" X 24" X 12" HIGH, GALVANIZED STELE FLANGE, STIANLESS STELL PROTECTIVE CAP, AND 3" BRASS DRAIN BODY CAST IN PLACE.  FLORESTONE PRODUCTS CO., INC. MODEL MR-370 HOSE AND CLAMP, 3/8" DIAMETER X 5"-0" LONG.  FLORESTONE PRODUCTS CO., INC. MODEL MR-370 HOSE AND CLAMP, 3/8" DIAMETER X 5"-0" LONG.  FLORESTONE PRODUCTS CO., INC. MODEL MR-370 HOSE AND CLAMP, 3/8" DIAMETER X 5"-0" LONG.	- - - - N	- - 1/2* -	- - 1/2* -	-	-
DIAM DIAMETER DEG DEGREE DEGREE DEG DEGREE DEGRE DEGREE DEGREE DEGREE DEGREE DEGREE DEGREE DEGREE DEGREE DEGREE	PUMP-1 R0-1,2,3,4 5	P-TRAP ASSEMBLY LAWATORY SUPPLES (2 REQUIRED) UNDER LAWATORY PIPING INSULATORS MOP SINK FAUCET HOSE CLAMP MOP HANGER STRANKER HOT WATER REGIRGULATING	CHROWE GRID WASTE.  MGEN SANI-SINK AERATOR MODEL 52602, 15/16"X27 MALE THREAD, VANDAL RESISTANT, 0.5 GPM.  MGEN SANI-SINK AERATOR MODEL 52602, 15/16"X27 MALE THREAD, VANDAL RESISTANT, 0.5 GPM.  MGUIRE MANUFACTURING CO., INC. MODEL BB872 HEAVY CAST BRASS BODY P-TRAP WITH 17 CAUGE TUBLIAR BRASS WALL BEND WITH CLEANOUT PLUG, SHALLOW STEEL FLAWGE, 11/4" X 1 1/4" X 17 CAUGE MCGUIRE MANUFACTURING CO., INC. MODEL 177, 1/2" COPPER SWEAT X 1/2" DD, CHROME PLATED BRASSS ANGLE STOP, ROUND WHEEL HANDLES, 12" FLEXIBLE CHROWE PLATED COPPER LIAWTORY RISER, CHROME PLATED STEEL FLANGE.  MCGUIRE MANUFACTURING CO., INC. MODEL PW 2000 PRO WRAP SEAMLESS INSULATOR, MOLDED CLOSED CELL VMM, 3/16" THICK, WHITE, WITH COVERS FOR TRAP, TAIL PIECE, WALL BEND AND 2 SUPPLY COVERS.  FLORESTONE PRODUCTS CO., INC. MODEL B1 TERRAZZO MOP RECEPTOR, 24" X 24" X 12" HIGH, GALVANIZED STEEL FLANGE, STANLESS STEEL PROTECTIVE CAP, AND 3" BWSS DRAN BODY CAST IN PLACE.  FLORESTONE PRODUCTS CO., INC. MODEL MR-371 FAUCET (SPEAKMAN) WITH INTEGRAL VACUUM BREAKER, DOUBLE STOPS AND BUCKET HOOK WITH WALL BRACE.  FLORESTONE PRODUCTS CO., INC. MODEL MR-370 HOSE AND CLAMP, 3/8" DAMETER X 5"-0" LONG.  FLORESTONE PRODUCTS CO., INC. MODEL MR-370 HOSE AND CLAMP, 3/8" DAMETER X 5"-0" LONG.  FLORESTONE PRODUCTS CO., INC. MODEL MR-370 HOSE AND CLAMP, 3/8" DAMETER X 5"-0" LONG.		-	-	-	-
EC ELECTRICAL CONTRACTOR EL ELEVATION SD STORM DRAIN FF FINSHED FLOOR FF FINSHED FLOOR FI FLOOR FI FLOOR FI FLOOR FI FLOOR FI FLOOR FI FEET S/S SANTARY SEWER FIJENDAMD GAL GALLON GAL GALLON GC GENERAL CONTRACTOR GFH GALLONS PER HOUR HO HAD HOT HEAD HOT HEAD HOT HEAD HOT WAITER RETURN HIS HOT WAITER RETURN INV INVERT  SYMBOLS DEFINITION  GAS GAS HWS/HWR GAS GAS GAS  FLOOR DRAIN  GAS GAS GAS  FLOOR DRAIN  WHA WAITER HAMMER ARRESTOR  WATER HAMMER ARRESTOR  WHAT HAM	PUMP-1 R0-1,2,3,4 5	P-TRAP ASSEMBLY LAWATORY SUPPLES (2 REQUIRED) UNDER LAWATORY PIPING INSULATORS MOP SINK FAUCET HOSE CLAMP MOP HANGER STRANKER HOT WATER REGIRGULATING	McGUIRE MANUFACTURING CO., INC. MODEL BBB72 HEAVY CAST BRASS BODY P-TRAP WITH 17 CAUGE TUBULAR BRASS MALE BEND WITH LORD OF THE MODEL TO THE MODEL THE M		-	-	-	- - -
FF FINSHED FLOOR  FL FLOOR  FL FLOOR  FL FLOOR  FL FEET  FU FIXIBLE UNIT  GAL GALLON  GALL	PUMP-1 R0-1,2,3,4 5	LAVATORY SUPPLIES (2 REQUIRED)  UNDER LAVATORY PIPING INSULATORS  MOP SINK  FAUCET  HOSE CLAMP  MOP HANGER  STRANER  HOT WATER REGIRGULATING	TUBLIAR BRASS WALL BEND WITH CLEANOUT PLUG, SHALLOW STEEL FLANGE, 1 1/4" X 1 1/4" X 17 CALGE.  McGUIRE MANUFACTURING CO., INC., MODEL 177, 1/2" COPPER SWEAT X 1/2" DD, CHROME PLATED BRASS  ANGLE STOP, ROUND WHEEL HANDLES, 12" FLEXIBLE CHROME PLATED COPPER LIMATORY RISER, CHROME  PLATED STEEL FLANGE.  MCGUIRE MANUFACTURING CO., INC., MODEL PW 2000 PRO WRAP SEAMLESS INSULATOR, MOLDED CLOSED CELL  YNM, 3/16" THICK, WHITE, WITH COVERS FOR TRAP, TAIL PIECE, WALL BEND AND 2 SUPPLY COVERS.  FLORESTONE PRODUCTS CO., INC., MODEL B1 TERRAZZO MOP RECEPTOR, 24" X 24" X 12" HIGH, GALVANIZED  STEEL FLANGE, STAINLESS STEEL PROTECTIVE CAP, AND 3" BWSS DRAIN BODY CAST IN PLACE.  FLORESTONE PRODUCTS CO., INC., MODEL MR-371 FAUCET (SPEAKMAN) WITH INTEGRAL VACUUM BREAKER,  DOUBLE STOPS AND BUCKET HOOK WITH WALL BRACE.  FLORESTONE PRODUCTS CO., INC., MODEL MR-370 HOSE AND CLAMP, 3/8" DAMETER X 5"-0" LONG.  FLORESTONE PRODUCTS CO., INC., MODEL MR-370 HOSE AND CLAMP, 3/8" DAMETER X 5"-0" LONG.  FLORESTONE PRODUCTS CO., INC., MODEL MR-370 HOSE AND CLAMP, 3/8" DAMETER X 5"-0" LONG.		-	-	-	-
GALL GALLON CC GENERAL CONTRACTOR CC GAS C	PUMP-1 R0-1,2,3,4 5	(2 REQUIRED)  UNDER LAWATORY PIPING INSULATORS  MOP SINK  FAUCET  HOSE CLAMP  MOP HANGER  STRAINER  HOT WATER  RECIRCULATING	ANGE STOP, ROUND WHELE HANDLES, 12° FLEXIBLE CHROME PLATED CEDPER LAWATORY RISER, CHROME PLATED STELL FLANGE.  M-GUIRE MANUFACTURING CO., INC. MODEL PW 2000 PRO WRAP SEAMLESS INSULATOR, MOLDED CLOSED CELL WITH, 3/16° THICK, WHITE WITH COVERS FOR TRAP, TAIL PIECE, WALL BEND AND 2 SUPPLY COVERS.  FLORESTONE PRODUCTS CO., INC. MODEL 81 TERRAZZO MOP RECEPTOR, 24° X 24° X 12° HIGH, GALVANIZED STELL FLANGE, STIANLESS STELL PROTECTIVE CAP, AND 3° BRASS DRAIN BODY CAST IN PLACE.  FLORESTONE FRODUCTS CO., INC. MODEL MS-371 FAUCET (SPEAKMAN) WITH INTEGRAL VACUUM BREAKER, DOUBLE STOPS AND BUCKET HOOK WITH WALL BRACE.  FLORESTONE PRODUCTS CO., INC. MODEL MS-370 HOSE AND CLAMP, 3/8° DIAMETER X 5°-0° LONG.  FLORESTONE PRODUCTS CO., INC. MODEL MS-370 HOSE AND CLAMP, 3/8° DIAMETER X 5°-0° LONG.  FLORESTONE PRODUCTS CO., INC. MODEL 372 MOP HANGER WITH 3 BRACKETS.		-	-	- -	-
GC GENERAL CONTRACTOR GPH GALLONS PER HOUR HD HEAD HCH HEIGHT HD HEAD HCH HEIGHT HP HORSEPOWER HWS HOT WAITER SUPPLY HWR HOT WAITER RETURN HWA WATER HAMMER ARRESTOR  SYMBOLS  GEFINITION  LINETYPE DESCRIPTION  LINETYPE DESCRIPTION  LINETYPE DESCRIPTION  LINETYPE DESCRIPTION  GAS GAS  GAS  GAS  GAS  GAS  GAS  FOR HOWS/HWR  WAS/HWR  GAS  GAS  FOR HOWS/HWR  FOR HOWS/HWR  FOR HAMMER ARRESTOR  WATER HAMMER ARRESTOR  SWH—1  AWATORY  FOR WASH  LOW	PUMP-1 R0-1,2,3,4 5	PIPING INSULATORS MOP SINK  FAUCET  HOSE CLAMP MOP HANGER  STRAINER  HOT WATER RECIRCULATING	McGuire Manufacturing Co., Inc. Model PW 2000 PRO WRAP SEAMLESS INSULATOR, MOLDED CLOSED CELL VINTU, 3/16" THICK, WHITE, WITH COVERS FOR TRAP, TALL PIECE, WALLESS INSULATOR, MOLDED CLOSED CELL VINTU, 3/16" THICK, WHITE, WITH COVERS.  FLORESTION FRODUCTS CO., INC. MODEL MR-3/1 FAUCET (SPEAKMAN) WITH INTEGRAL VACUUM BREAKER, DOUBLE STOPS AND BUCKET HOOK WITH WALL BRACE.  FLORESTONE PRODUCTS CO., INC. MODEL MR-3/10 HOSE AND CLAMP, 3/8" DIAMETER X 5'-0" LONG.  FLORESTONE PRODUCTS CO., INC. MODEL MR-3/10 HOSE AND CLAMP, 3/8" DIAMETER X 5'-0" LONG.  FLORESTONE PRODUCTS CO., INC. MODEL 3/12 MOP HANGER WITH 3 BRACKETS.	_ _ N	- 1/2"	- - 1/2"	- 3"	-
HD HEAD HCT HEIGHT HCT HEIGHT HCT HEIGHT HCT HEIGHT HWS HOT WAITER SUPPLY HWS HOT WAITER RETURN HWS HOT WAITER RETURN HWW HOT WAITER RETURN HWS HOT WAITER RETURN HWW HOT WAITER RETURN HOW HOW HOW HOR WAITE  SYMBOLS DEFINITION  LINETYPE DESCRIPTION  LINETYPE DESCRIPTION  LINETYPE DESCRIPTION  GAS GAS  GAS  GAS  GAS  GAS  GAS  GAS	PUMP-1 R0-1,2,3,4 5	MOP SINK  FAUCET  HOSE CLAMP  MOP HANGER  SIRAINER  HOT WATER  RECIRCULATING	FLORESTONE PRODUCTS CO., INC. MODEL 81 TERRAZZO MOP RECEPTOR, 24" X 24" X 12" HIGH, GALVANIZED STEEL FLANGE, STAINLESS STEEL PROTECTIVE CAP, AND 3" BRASS DRAIN BODY CAST IN PLACE. FLORESTONE PRODUCTS CO., INC. MODEL MS-71 FAUCET (SPEAKMAN) WITH INTEGRAL VACUUM BREAKER, DUBLE STOPS AND BUCKET HOOK WITH WALL BRACE. FLORESTONE PRODUCTS CO., INC. MODEL MR-370 HOSE AND CLAMP, 3/8" DIAMETER X 5"-0" LONG. FLORESTONE PRODUCTS CO., INC. MODEL 372 MOP HANGER WITH 3 BRACKETS.	N	1/2"	1/2"	3"	
HP HORSEPOWER HWS HOT WAITER SUPPLY HWS HOT WAITER SUPPLY HWS HOT WAITER RETURN INV INVERT  SYMBOLS  DEFINITION  LINETYPE DESCRIPTION  LINETYPE DESCRIPTI	RD-1,2,3,4 5	HOSE CLAMP MOP HANGER STRAINER HOT WATER RECIRCULATING	FLORESTONE PRODUCTS CO., INC. MODEL MR-371 FAUCET (SPEAKWAN) WITH INTEGRAL VACUUM BREAKER, DOUBLE STOPS AND BUCKET HOOK WITH WALL BRACE.  FLORESTONE PRODUCTS CO., INC. MODEL MR-370 HOSE AND CLAMP, 3/8" DIAMETER X 5'-0" LONG.  FLORESTONE PRODUCTS CO., INC. MODEL 372 MOP HANGER WITH 3 BRACKETS.		1/2"	1/2"		2"
NV INVERT  SYMBOLS DEFINITION  ISS AQUASTAT  DETA BALL VALVE  CHOCK V	RD-1,2,3,4 5	HOSE CLAMP MOP HANGER STRAINER HOT WATER RECIRCULATING	DOUBLE STOPS AND BUCKET HOOK WITH WALL BRACE. FLORESTONE PRODUCTS CO., INC. MODEL MR-370 HOSE AND CLAMP, 3/8" DIAMETER X 5'-0" LONG. FLORESTONE PRODUCTS CO., INC. MODEL 372 MOP HANGER WITH 3 BRACKETS.		-,-		_	_
ES AQUASTAT    Pid   BALL VALVE   CW	RD-1,2,3,4 5	MOP HANGER STRAINER HOT WATER RECIRCULATING	FLORESTONE PRODUCTS CO., INC. MODEL 372 MOP HANGER WITH 3 BRACKETS.	_				
BALL VALVE  AC SYS  AC	RD-1,2,3,4 5	STRAINER HOT WATER RECIRCULATING	· ·		-	-	-	-
CLEANOUT (MALL) CLEANOUT (FLOOR) CLEANOU	RD-1,2,3,4 5	HOT WATER RECIRCULATING	LICONECTONE DEPONICTE ON THE MODEL MD 376 ELAT CHRONE CTRANED			_	_	_
CLEANOUT (FLOOR)  REAL EQUIPMENT DESIGNATION  FLOOR DRAIN  GATE VALVE  POINT OF CONNECTION TO EXIST. SYSTEMS  INTERPOLATION  REPROLATION  REPROLATIO	5		FLORESTONE PRODUCTS CO., INC. MODEL MR-375 FLAT CHROME STRAINER.  IIT BELL & GOSSETT LITTLE RED IN-LINE BOOSTER PUMP MODEL LR-20BF, BRONZE BODY, STAINLESS STEEL.	-	-	1 1/4"	-	-
EQUIPMENT DESIGNATION   US \$/S	5		FACEPLATE, GLASS FILLED NORYL IMPELLER, CARBON STEEL SHAFT, MECHANICAL (CARBON ON CERAMIC) SEAL, OIL LUBRICATED BRONZE SLEEVE MOTOR BEARINGS, 1/20 HP, 115V, 60 HZ, 10, 2900 RPM, 1 1/4" NPT FLANCE SIZES, 6 GPM 09 10 FEET HEAD, 125 PSI WORKING PRESSURE, CONTROLLED BY AQUASTAT THAT					
FIXTURE DESCRIPTION  QUANTITY  GALLONS PER HEATER SYSTEM  **WATER HEATER SYSTEM  SUMMARY  FIXTURE DESCRIPTION  QUANTITY  GALLONS PER HOUR  FIXTURE DESCRIPTION  QUANTITY  GALLONS PER HOUR  FIXTURE PER PER HOUR  FIXTURE PER HOUR  1 5 0 30.0  SWH—1  SWH—1  SWH—1  TOTAL GALLONS PER HOUR  FIXTURE PER HOUR  FIXTURE PER HOUR  FIXTURE PER HOUR  FIXTURE PER HOUR  1 0 0 20.0  SWH—1  SWH—1  TOTAL GALLONS PER HOUR  DUBLE BOWL SINK  1 20.0 20.0  SUB—TOTAL  SUB	5		EMERGIZES MOTOR WHEN WATER TEMPERATURE IS 100F. OR LESS AND DE-ENERGIZES MOTOR WHEN WATER TEMPERATURE IS 120F. OR MORE.					
POINT OF CONNECTION TO EXIST. SYSTEMS    STATE   PRESSURE REDUCING VALVE	RPZ-1	ROOF DRAIN	MIFAB R1200 14" DIAMETER ROOF DRAIN, LACQUERED CAST IRON BODY WITH ANCHOR FLANGE, MEMBRANE CLAMP RING. AND SELF-LOCKING POLY-DOME STRANGE. 4" BOTTOM OUTLET.	-	-	-	3"	-
RPZ BACKFLOW PREVENTER  74 TAP VALVE  CH		REDUCED PRESSURE ZONE	WATTS REGULATOR MODEL 009M2QT-S, SERIES 009 REDUCED PRESSURE ZONE BACKFLOW PREVENTER WITH QUARTER TURN FULL PORT RESILIENT SEATED BRONZE BALL SHUTOFF VALVES WITH LEVER HANDLES, 175 PSI	-	2"	-	-	-
TRAP PRIMER DEVICE		BACKFLOW PREVENTER	MAXIMUM WORKING PRESSURE.					
*WATER HEATER SYSTEM SUMMARY  **WATER HEATER SYSTEM SUMMARY  **WATER HEATER SYSTEM SUMMARY  ***********************************	SC-A SC-B,C,D,E	ROOF SCUPPER ROOF SCUPPER	PROVIDED BY GENERAL CONTRACTOR, INSTALLED BY PLUMBING CONTRACTOR  PROVIDED BY GENERAL CONTRACTOR, INSTALLED BY PLUMBING CONTRACTOR	-	-	-	4" 6"	-
CALLONS PER   TOTAL CALLONS   SWH—1	SH-1	SHOWER STALL	AQUA GLASS CORPORATION MODEL 634139A-L, MOLDED IN SEAT AND SOAP SHELF, SEAMLESS ACRYLIC CONSTRUCTION, 41" W x 39" D x 83 1/2" H, CENTER DRAIN, MICRO-BAN ANTI-MICROBIAL PROTECTION.	Y	-	-	-	-
CALLONS PER   TOTAL CALLONS   SWH—1		FAUCET	MOEN SANI-STREAM SINGLE HANDLE SHOWER FAUCET MODEL 8346, CHROME PLATED METAL CONSTRUCTION,	Y	1/2"	1/2"	_	-
FIXTURE PER   PER HOUR			PRESSURE BALANCING CYCLE VALVE DESIGN, VANDAL RESISTANT SCREWS, LEVER STYLE HANDLE WITH TEMPERATURE INDICATOR ON THE ESCUTCHEON, ADJUSTABLE TEMPERATURE LIMIT STOP TO LIMIT HANDLE					
ANTOPY   5   8.0   30.0   SWH-1			TRAVEL IN THE HOT DIRECTION, PRESSURE BALANCING MECHANISM MAINTAINS SELECTED DISCHARGE TEMPERATURE TO +/- ZF, SUPPLIED WITH HAND HELD SHOWER HEAD WITH HOSE.					
PYE MASH  20.0  20		DRAIN	McGuire Manufacturing Co., Inc. Shower strainer model 1266a, 2" FIP, Heavy Cast Brass Body, Stainless Steel Grid, vandal resistant screws.	-	-	-	2"	2"
SUB-TOTAL  TOTAL CALLONS PER HOUR  X 30 22.5 GPM X 1.2 MIN. = 30 GAL/SHOWER  30 GAL/SHOWER X 6 SHOWERS = 180 GALLONS  180 GALLONS X 875 = 158 GAL/HR 6 120' F + 188.00  STORAGE CAPACITY FACTOR  X 1.00 180.8 GALLONS OF STORAGE CAPACITY  SELECTED WATER HEATER SHALL BE CAPABLE OF SUPPLYING APPROXIMATELY  180.8 GPH, TOTAL SYSTEM SHALL HAVE  A STORAGE CAPACITY OF APPROXIMATELY 180.8 GALLONS (MINIMUM).	SH-2	SHOWER STALL	AQUA GLASS CORPORATION MODEL 313637AC, DUAL SHELVING AT SHOULDER LEVEL, SEAMLESS ACRYLIC CONSTRUCTION, 35 1/2" W x 37" D x 76 1/2" H, CENTER DRAIN, MICRO-BAN ANTI-MICROBIAL PROTECTION	N	-	-	-	-
SEMAND FACTOR  X 30 22.5 GPM X 1.2 MIN. = 30 GAL/SHOWER 30 GAL/SHOWER \$ 22.5 ADJUSTED GALLONS PER HOUR 30 GAL/SHOWER X 6 SHOWERS = 180 GALLONS \$ 22.5 H80 GALLONS X.875 = 158 GAL/HR 6 120° F \$ 188.00 H80.5			(813637AC)					
2.5 GPM X 12 MIN. = 30 GAL/SHOWER  30 GAL/SHOWER X 6 SHOWERS = 180 GALLONS  180 GALLONS X .875 = 158 GAL/HR 6 120' F		FAUCET	MOEN SANI-STREAM SINGLE HANDLE SHOWER FAUCET MODEL 8325, CHROME PLATED METAL CONSTRUCTION, PRESSURE BALANCING CYCLE VALVE DESIGN, VANDAL RESISTANT SCREWS, LEVER STYLE HANDLE WITH	Y	1/2"	1/2"	-	-
STORAGE CAPACITY FACTOR X 18.0.8  SELECTED WATER HEATER SHALL BE CAPABLE OF SUPPLYING APPROXIMATELY 18.0.8 GPH, TOTAL SYSTEM SHALL HAVE A STORAGE CAPACITY 18.0.8 GPH, TOTAL SYSTEM SHALL HAVE A STORAGE CAPACITY OF APPROXIMATELY 18.0.8 GALLONS (MINIMUM).			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, SUPPLIED WITH SHOWER HEAD.					
180.8 GALLONS OF STORAGE CAPACITY SELECTED WATER HEATER SHALL BE CAPABLE OF SUPPLYING APPROXIMATELY 180.8 GPH, TOTAL SYSTEM SHALL HAVE A STORAGE CAPACITY OF APPROXIMATELY 180.8 GALLONS (MINIMUM).		DRAIN	McGUIRE MANUFACTURING CO., INC. SHOWER STRAINER MODEL 1266A, 2" FIP, HEAVY CAST BRASS BODY,	_	_	_	2"	2"
	SK-1	BREAK ROOM SINK	STAINLESS STEEL GRID, VANDAL RESISTANT SCREWS.  MOEN SANI-SINK DOUBLE BOWL SINK MODEL 22129, 20 GAUGE TYPE 301 NICKEL BEARING STAINLESS STEEL.	Y	-	-	1 1/2	1 1/4"
DOMESTIC WATER SYSTEM SUMMARY			(2) 14" X 16" X 5 1/2" BOWLS, SINK LEDGE WITH (4) HOLES ON 4" CENTERS, 3 1/2" RECESSED DRAIN OPENING, FULLY UNDERCOATED FOR SOUND AND TEMPERATURE INSULATION, LUSTROUS SATIN TONE POLISHED				·	
DOMESTIC WATER STSTEM SUMMART		FAUCET	FINISH, CSA AND IAPMO CERTIFIED TO MEET ASME A112.19.3M, 5 YEAR WARRANTY.  MOEN SANI—SINK SINGLE HANDLE FAUCET MODEL 8720, CHROME PLATED METAL CONSTRUCTION, VANDAL	Y	1/2"	1/2"	_	_
		INUCLI	RESISTANT SCREWS, 12" SPOUT, LEVER STYLE HANDLE WITH HOT AND COLD COLOR INDICATORS, PULL-ON/PUSH-OFF OPERATION, 2.0 MAXIMUM GPM, SPRAY WITH FLEXIBLE HOSE, CSA AND IAMPO CERTIFIED	'	1/2	1/2		_
TIXTURE DESCRIPTION QUANTITY FIXTURE UNIT FIXTURE			TO MEET ASME A112.18.1M, 5 YEAR WARRANTY.					
VALUE SUB-TOTAL  AVATORY 6 2.0 12.0		BASKET STRAINER DRAIN ASSEMBLY	MOEN SANI-SINK MODEL 52688, CAST BRASS BODY, STAINLESS STEEL BASKET WITH BRASS SLIDE POST, CAST BRASS STOPPER, BRASS LOCKNUT, 17 GAUGE TAILPIECE.	-	-	-	1 1/2	-
EYE WASH 1 1.4 1.4 IANITOR SINK 1 3.0 3.0		END OUTLET CONTINUOUS WASTE	McGUIRE MANUFACTURING CO., INC. MODEL 111C16G17, 17 GAUGE, CHROME PLATED, SEAMLESS BRASS WASTE ARM. BRASS TALPIECE AND CAST BRASS NUTS.	-	-	-	1 1/2	-
JRINAL 3 5.0 15.0 SHOWER 6 4.0 24.0		P-TRAP ASSEMBLY	McGUIRE MANUFACTURING CO., INC. MODEL BB912 HEAVY CAST BRASS BODY P-TRAP WITH 17 GAUGE	_	_	_	1 1/2	_
WATER COOLER 2 .25 .50  DOUBLE BOWL SINK 1 4.0 4.0		LAVATORY CURRENCE	TUBULAR BRASS WALL BEND WITH CLEANOUT PLUG, SHALLOW STEEL FLANGE, 1 1/2" X 1 1/2" X 17 GAUGE McGUIRE MANUFACTURING CO., INC. MODEL 177, 1/2" COPPER SWEAT X 1/2" OD, CHROME PLATED BRASS	_	1 /2"	1/2*		_
120.0 FU = 73.0 GPM 109.9 TOTAL FIXTURE UNITS - 100.0 FU = 87.5 GPM		(2 REQUIRED)	MEGUIRE MANUFACIURING CO., INC. MODEL 177, 1/2" COPPER SWEAT X 1/2" DD, CHROME PLATED BRASS ANGLE STOP, ROUND WHEEL HANDLES, 12" FLEXIBLE CHROME PLATED COPPER LAVATORY RISER, CHROME PLATED STEEL FLANCE.	-	1/2"	1/2	-	
20.0 FU = 5.5 GPM	TPV-1	TRAP PRIMER VALVE	MIFAB INC. MODEL M2-500, PRESSURE DROP ACTIVATED, BRASS CONSTRUCTION, FOUR VIEW HOLES, REMOVEABLE FILTER SCREEN, 20 TO 125 PSI OPERATING RANGE, -40F. TO 450F., SERVING FROM 1 TO 3	-	1/2"	-	-	-
- 5.5 GPM = .275 GPM PU	TPV-2	TRAP PRIMER	PRECISION PLUMBING PRODUCTS, INC. MODEL P-2, ADJUSTABLE FOR LINE PRESSURE, ADJUSTABLE DELIVERY	-	1/2"	_	_	<del> </del>
109.90 FU		VALVE	PRESIDENT FLOWING PRODUCT INC. MODEL = 72, MOUSTROLL FOR THE PRESIDENT, AUGUSTROLL DELEVER AUGUSTROLL DELEV		','			
	UR-1	URINAL	AMERICAN STANDARD MODEL 6561.017 TRIMBROOK URINAL, VITREOUS CHINA, 1.0 GPF, 17° RIM HEIGHT, FLUSHING RIM, SIPHON JET FLUSH ACTION, EXTENDED SIDES, COMPLETE WITH TWO WALL HANGERS.	Y	1/2"	-	4"	2"
+ <u>2.72</u> GPM 70.22 GPM		FLUSH VALVE	SLOAN ROYAL MODEL 186-1 FLUSH VALVE	_	1/2"	-		_
USE <u>2°</u> CWS LINE SIZE ⊕ <u>8</u> FPS ⊕ <u>8</u> FPS ⊕ <u>8</u> APSI	WC−1	WATER CLOSET	AMERICAN STANDARD MODEL 2257.103 AFWALL ELONGATED TOILET, VITREOUS CHINA, 1.6 GPF, MOUNTED AT 17' RIM HEIGHT, ELONGATED SIPHON ACTION BOWL, FULLY GLAZED TRAPWAY, CONDENSATION CHANNEL,	Y	-	-	4"	2"
			WALL MOUNTED, 1 1/2" INLET SPUD, 2" BALLPASS TRAPWAY, 10" X 12" WATER SURFACE AREA. INTENDED FOR USE WITH A NEOPRENE WASTE OUTLET SEAL RING.					
		FLUSH VALVE	SLOAN VALVE COMPANY MODEL 111-YO, DUAL FILTERED BYPASS, PERMEX DIAPHRAGM, HANDLE PACKING, STOI SEAT AND VACUUM BREAKER, ADA COMPLIANT METAL OSCILLATING NON-HOLD-OPEN HANDLE WITH TRIPLE SEA	_	1"	-	-	-
			HANDLE PACKING, 1" IPS SCREWDRIVER BAK-CHEK ANGLE STOP, FREE SPINNING VANDAL RESISTANT STOP CAI 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 PLATED FINISH. VALVE BODY, COVER, TAILPIECE AND CONTROL STOP SHALL BE SEMI-RED BRASS. BUMPER ON					
			ANGLE STOP FOR OPEN FRONT SEAT WITHOUT COVER. VALVE SHALL CONFORM TO ASSE 1037, AND ANSI/ASME 112.19.6.					
		CARRIER	ZURN MODEL Z-1208-N42 VERTICAL SIPHON JET WATER CLOSET SUPPORT SYSTEM, NO-HUB COUPLINGS, DURA-COATED CAST IRON MAIN FITTING, SEPARATE FACEPLATE RIGIDLY MOUNTED ON FITTING, UNIVERSAL	-	-	-	-	-
			FLOOR MOUNTED FOOT SUPPORTS, CORROSION RESISTANT ADJUSTABLE ABS COUPLING WITH INTEGRAL TEST CAP, FIXTURE BOLTS, TRIM, AND STUD PROTECTORS. REAR ANCHOR TIE DOWN, AND BONDED "NEO-SEAL"					
			GASKET, FLUSH VALVE SUPPLY SUPPORT.					
		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 CHECK HINGES, WHITE.	-	-	-	-	<u></u>
DESIGNED RDM RECORD DRAWI	INIC		DI T					
DESIGNED RDM RECORD DRAWI	ING		DI ineered Designs Inc. HAZEN AND	~				

·	FIXTURE			POTA WATER COM		WASTE AND VENT CONNECTIONS	
TEM	DESCRIPTION	SPECIFICATION	(Y/N)	COLD	HOT	WASTE	VENT
WC-2	WATER CLOSET	AMERICAN STANDARD MODEL 2234.015 MADERA ELONGATED TOILET, WITREOUS CHINA, 1.6 GPF. 14 1/8" RIN HEIGHT, ELONGATED SIPHON ACTION BOWL, FULLY GLAZED TRAPWAY, 1 1/2" INLET SPUD, 2" BALLPASS TRAPWAY, 11 X 13" WATER SURFACE AREA.	N	-	_	4"	2"
	Flush valve	SLOAN VALVE COMPANY MODEL 111-YO, DUAL FILTERED BYPASS, PERMEX DIAPHRAGM, HANDLE PACKING, STOP SEAT AND VACUUM BEARCER, AND COUPLINAT METAL OSCILLATING NON-HOLD-OPEN HANDLE WITH TRIPLE SHORN LEWIT STRIPLE SHORN WITH TRIPLE STRIPLE		1"	-	-	-
	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 CHECK HINGES, WHITE.	-	-	-	-	-
EWC-1	ELECTRIC WATER COOLER	HAWS BARRIER FREE ELECTRIC WATER COOLER MODEL NO. HWOFABL WITH SK2 SKORT, BI-LEVEL, WALL MOUNTED, SEJE CONTAINED, SOFT TOUCH PUSH BAR ACTIVATED, 7.7 GPH AT 50°F, DELIVERED WATER TEMPERATURE, 115V, 60HZ, WITH AN ENVIRONMENTALLY FRIENDLY R134°0 REFRIGERANT SYSTEM.	Y	1/2*	-	1 1/4"	1 1/4"
EW-1	EMERGENCY EYEWASH DRENCH SHOWER	HAWS MODEL 8300 EMERGENCY EYEWIST/DERNICH SHOWER, TWIN ABS EYE/FACE WASH HEADS, INTEGRAL IP DIP DUST COVERS THAT AUTOMATICALLY RELEASE WITH WATER PRESSURE, POLISHED STAY OPEN CHROME PLATED BALL TYPE WALVE, UNIVERSAL EMERGENCY SIGN, DUAL AUTOMATIC PRESSURE COMPENSATION DEVICES, CONFORMING TO ANSI 238-1. UNIT SWINS OUT OVER SINK BASIN DURNA US BASIN DURNA US.	N	1/2*	-	-	-

FIXTURE/EQUIPMENT SCHEDULE (CONTINUED)

FIXTURE DESCRIPTION				
	QUANT	TITY FIXTURE UNIT VALUE	FIXTURE UNIT SUB-TOTAL	
LAVATORY EVE WASH JANITOR SINK WATER CLOSET URINAL SHOWER FLOOR DRAIN 3" FLOOR DRAIN 4" WATER COOLER DOUBLE BOWL SINK	55 36 99 122 21	1 22 42 22 22 25 22 25 21	6 2 2 20 6 12 18 24 1 2	TOTAL FIXTURE UNITS

				DESIGNED RDM DRAWN RDM
				CHECKED
3	RECORD DRAWING	JAN 2006		PROJ. ENGR. H&S
2	CONSTRUCTION	JAN 2004		
1	REGULATORY APPROVAL	NOV 2003		
NO.	ISSUED FOR	DATE	BY	APPROVED

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CITY OF ROANOKE VIRGINIA

REGIONAL WATER POLLUTION CONTROL PLANT ADMINISTRATION AND MAINTENANCE BUILDINGS

MAINTENANCE BUILDING
PLUMBING
SCHEDULES AND DETAILS

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