

PLUMBING FIXTURE SCHEDULE											
TAG	DESCRIPTION	CONNECTIONS			HEIGHT	WATER USE	DESCRIPTION	FINISH/COLOR	MODEL	KEY NOTES	
		CW	HW	S/W							
L1	PRIVATE ROOM, COUNTERTOP, UNDERMOUNT, LAVATORY	½"	½"	1-¾"	-	1.5 GPM	BOWL: VITREOUS CHINA, 19" X 15" OVAL, UNDERCOUNTER INSTALLATION, OVERFLOW OUTLET. FAUCET: SINGLE LEVER, RED/BLUE HOT/COLD INDICATORS, CERAMIC CONTROL COMPONENTS, 4" CENTERS, BRONZE BODY, ALL METAL CONSTRUCTION, AERATOR, LIFT ROD AND POP-UP DRAIN ASSEMBLY.	BOWL: WHITE CHROME FAUCET:	BOWL: TOTO L1S48 SERIES OR EQUAL BY AMERICAN STANDARD, BRIGGS, STERLING, OR APPROVED OTHER. FAUCET: PFIRST SERIES 143-610K	(2)	
L1H	PRIVATE ROOM, COUNTERTOP, UNDERMOUNT, HANDICAPPED LAVATORY	½"	½"	1-¾"	-	1.5 GPM	BOWL: VITREOUS CHINA, 19" X 15" OVAL, UNDERCOUNTER INSTALLATION, OVERFLOW OUTLET. FAUCET: SINGLE LEVER, RED/BLUE HOT/COLD INDICATORS, CERAMIC CONTROL COMPONENTS, 4" CENTERS, BRONZE BODY, ALL METAL CONSTRUCTION, AERATOR, LIFT ROD AND POP-UP DRAIN ASSEMBLY.	BOWL: WHITE CHROME FAUCET:	BOWL: TOTO L1S48 SERIES OR EQUAL BY AMERICAN STANDARD, BRIGGS, STERLING, OR APPROVED OTHER. FAUCET: PFIRST SERIES 143-610K	(2)(3)	
L2H	PUBLIC, COUNTERTOP, DROP IN, HANDICAPPED LAVATORY	½"	½"	1-¾"	-	0.5 GPM	BOWL: VITREOUS CHINA, 20" X 17" OVAL, SELF-RIMMING DROP-IN, FAUCET HOLES ON 4" CENTERS. FAUCET: SINGLE LEVER, RED/BLUE HOT/COLD INDICATORS, CERAMIC CONTROL COMPONENTS, 4" CENTERS, BRONZE BODY, ALL METAL CONSTRUCTION, FLOW LIMITING AERATOR.	BOWL: WHITE CHROME FAUCET: POLISHED CHROME	BOWL: TOTO L1S11 OR EQUAL BY AMERICAN STANDARD, BRIGGS, KOHLER, TOTO, OR APPROVED OTHER. FAUCET: SYMMONS S-20 OR EQUAL BY DELTA, KOHLER, MOEN, SYMMONS OR APPROVED OTHER.	(4)(5)(6)	
S1	STAINLESS STEEL ONE COMPARTMENT SINK WITH SPRAYER	½"	½"	1-¾"	-	1.2 GPM	BOWL: SINGLE COMPARTMENT, UNDERCOUNTER INSTALLATION, 18 GAUGE TYPE 304 STAINLESS STEEL, CENTER PUNCHED DRAIN HOLE, 16"x22"x7-1/2" DEEP BOWL WITH ROUNDED CORNERS. FAUCET: SINGLE LEVER KITCHEN FAUCET, CERAMIC CONTROL COMPONENTS, HANDLE LIMIT STOP, RED/BLUE HOT/COLD INDICATORS, 8" SWING SPOUT, BRONZE BODY AND ALL METAL CONSTRUCTION, HOSE SPRAYER MOUNTED ON SEPARATE ESCUTCHEON. DRAIN: STAINLESS STEEL DRAIN WITH STAINLESS STEEL CRUMB CUP STRAINER.	BOWL: POLISHED STAINLESS STEEL FAUCET: CHROME	BOWL: JUST US-1824-A OR EQUAL BY ELKAY, JUST, OR APPROVED OTHER. FAUCET: CLEVELAND BAYSTONE 42519CSL. DRAIN: PROFLO PF1431SS	-	
S2	STAINLESS STEEL BAR SINK	½"	½"	1-¾"	-	1.5 GPM	BOWL: SINGLE COMPARTMENT, DROP IN SINK WITH FAUCET LEDGE, 18 GAUGE TYPE 304 STAINLESS STEEL, CENTER PUNCHED DRAIN HOLE, 16"x19"x7-1/2" DEEP BOWL WITH ROUNDED CORNERS. FAUCET: GOOSE NECK SPOUT, LEVER HANDLE CONTROLS, CERAMIC CONTROL COMPONENTS, HANDLE LIMIT STOPS, RED/BLUE HOT/COLD INDICATORS, 5-1/2" SWING SPOUT, BRONZE BODY AND ALL METAL CONSTRUCTION. DRAIN: STAINLESS STEEL DRAIN WITH STAINLESS STEEL CRUMB CUP STRAINER.	BOWL: POLISHED STAINLESS STEEL FAUCET: POLISHED CHROME	BOWL: JUST SL-2222-A-GR OR EQUAL BY ELKAY, JUST, OR APPROVED OTHER. FAUCET: DELTA B28911P OR EQUAL BY DELTA, KOHLER, MOEN, SYMMONS, OR APPROVED OTHER. DRAIN: JUST J-35 OR APPROVED EQUAL.	-	
S1H	STAINLESS STEEL ONE COMPARTMENT HANDICAPPED SINK WITH SPRAYER	½"	½"	1-¾"	-	2.2 GPM	BOWL: SINGLE COMPARTMENT, UNDERCOUNTER INSTALLATION, 18 GAUGE TYPE 304 STAINLESS STEEL, CENTER PUNCHED DRAIN HOLE, 16"x22"x7-1/2" DEEP BOWL WITH ROUNDED CORNERS. FAUCET: GOOSE NECK SPOUT, LEVER HANDLE CONTROLS, CERAMIC CONTROL COMPONENTS, HANDLE LIMIT STOPS, RED/BLUE HOT/COLD INDICATORS, 5-1/2" SWING SPOUT, BRONZE BODY AND ALL METAL CONSTRUCTION. DRAIN: STAINLESS STEEL DRAIN WITH STAINLESS STEEL CRUMB CUP STRAINER.	BOWL: POLISHED STAINLESS STEEL FAUCET: CHROME	BOWL: JUST US-1824-A OR EQUAL BY ELKAY, JUST, OR APPROVED OTHER. FAUCET: CLEVELAND BAYSTONE 42519CSL. DRAIN: PROFLO PF1431SS	-	
SH1	SHOWER	½"	½"	2"	-	2.5 GPM	SURROUND: TILE, SEE ARCHITECTURAL PLANS FOR DETAILS. VALVE: PRESSURE BALANCING MIXING VALVE WITH LEVER HANDLE, ADJUSTABLE TEMPERATURE CONTROL LIMIT STOP, SHOWERHEAD WITH ARM AND FLANGE. DRAIN: GRID TO DRAIN ASSEMBLY BY SURROUND MANUFACTURER.	SURROUND: WHITE VALVE: CHROME DRAIN: MATCH VALVE COLOR	VALVE: PFIRST R89-020K, JX8-310A	(1)	
SH2	SHOWER	½"	½"	2"	-	2.5 GPM	SURROUND: TILE, SEE ARCHITECTURAL PLANS FOR DETAILS. VALVE: PRESSURE BALANCING MIXING VALVE WITH LEVER HANDLE, ADJUSTABLE TEMPERATURE CONTROL LIMIT STOP, SHOWERHEAD WITH ARM AND FLANGE. DRAIN: GRID TO DRAIN ASSEMBLY BY SURROUND MANUFACTURER.	SURROUND: WHITE VALVE: CHROME DRAIN: MATCH VALVE COLOR	VALVE: PFIRST R89-020K, JX8-310A	(1)	
SH1H	POOL HANDICAPPED SHOWER (NON ROLL-IN)	½"	½"	2"	-	1.5 GPM	BASIN: ACRYLIC, SLIP-RESISTANT SURFACE, ¼" OR SHORTER THRESHOLD LIP, BUILT-IN HANDICAPPED SEAT, REINFORCED FLOOR. VALVE: PRESSURE BALANCING MIXING VALVE WITH LEVER HANDLE, TWO WAY DIVERTER WITH LEVER HANDLE, ADJUSTABLE TEMPERATURE CONTROL LIMIT STOP, SHOWERHEAD WITH ARM AND FLANGE, WALL/HAND SHOWER WITH FLEXIBLE METAL HOSE, IN LINE VACUUM BREAKER, 30" SLIDE BAR FOR HAND SHOWER MOUNTING. DRAIN: GRID TO DRAIN ASSEMBLY BY BASIN MANUFACTURER.	BASIN: WHITE VALVE: POLISHED CHROME DRAIN: MATCH VALVE COLOR	BASIN: AMERICAN STANDARD, AQUAGLASS, KOHLER, OR APPROVED OTHER. VALVE: SYMMONS 5505 OR EQUAL BY DELTA, KOHLER, SYMMONS, OR APPROVED OTHER.	(1)	
T1	STANDARD BATHTUB WITH SHOWER	½"	½"	2"	-	2.5 GPM	TUB: FULL LENGTH SLIP-RESISTANT SURFACE, APRON FRONT, SOLID ACRYLIC MATERIAL, GLOSS FINISH, SIZED PER ARCHITECTURAL DRAWINGS. VALVE: PRESSURE BALANCING MIXING VALVE, INTEGRAL DIVERTER, ADJUSTABLE TEMPERATURE CONTROL LIMIT STOP, SHOWERHEAD WITH ARM AND FLANGE, TUB SPOUT. DRAIN: ADJUSTABLE, POP-UP DRAIN ASSEMBLY.	TUB: WHITE VALVE: CHROME DRAIN: MATCH VALVE COLOR	TUB: SOAKING TUBS & WHIRLPools G GT36 TO PFIRST R89-020K, JX8-310A VALV: BY TUB MANUFACTURER.	(1)	
T1H	HANDICAPPED BATHTUB WITH SHOWER	½"	½"	2"	-	2.5 GPM	TUB: FULL LENGTH SLIP-RESISTANT SURFACE, APRON FRONT, SOLID ACRYLIC MATERIAL, GLOSS FINISH, SIZED PER ARCHITECTURAL DRAWINGS. TUB SHALL BE ADA COMPLIANT WHEN INSTALLED WITH SEAT AT HEAD END. VALVE: PRESSURE BALANCING MIXING VALVE WITH LEVER HANDLE, THREE WAY DIVERTER WITH LEVER HANDLE, ADJUSTABLE TEMPERATURE CONTROL LIMIT STOP, SHOWERHEAD WITH ARM AND FLANGE, TUB SPOUT, WALL/HAND SHOWER WITH FLEXIBLE METAL HOSE, INLINE VACUUM BREAKER, 30" SLIDE BAR FOR HAND SHOWER MOUNTING. DRAIN: ADJUSTABLE, POP-UP DRAIN ASSEMBLY.	TUB: WHITE VALVE: CHROME DRAIN: MATCH VALVE COLOR	TUB: SOAKING TUBS & WHIRLPools G 6030 TO CS PFIRST 016-300K. BY TUB MANUFACTURER.	(1)	
WC1	FLOOR MOUNTED, TANK TYPE WATER CLOSET	½"	-	3"	-	1.28 GPF	BOWL: VITREOUS CHINA, TWO PIECE, CLOSE COUPLED TANK, FULLY GLAZED TRAP WAY, SIPHON ACTION FLUSH, ELONGATED BOWL. SEAT: PLASTIC, CLOSED FRONT WITH COVER, INTEGRALLY MOLDED BUMPERS, BOLT CAPS.	BOWL: WHITE MATCH BOWL COLOR SEAT:	BOWL: PROFLO PF1401HE & PF5112HE. PROFLO PFTS2000	(4)	
WC2	PUBLIC, FLOOR MOUNTED, FLUSH VALVE WATER CLOSET	1"	-	4"	-	1.28 GPF	BOWL: VITREOUS CHINA, TOP SPUD, FULLY GLAZED TRAP WAY, SIPHON JET ACTION FLUSH, ELONGATED BOWL. VALVE: MANUAL, BRONZE BODY, ACCESSORIES SHALL INCLUDE VACUUM BREAKER, ANGLE STOP, CHECK VALVE, AND ESCUTCHEON. SEAT: EXTRA HEAVY WEIGHT PLASTIC, OPEN FRONT LESS COVER, INTEGRALLY MOLDED BUMPERS, BOLT CAPS, STAINLESS STEEL CHECK HINGE.	BOWL: WHITE VALVE: POLISHED CHROME SEAT: MATCH BOWL COLOR	BOWL: AMERICAN STANDARD 3451.001 OR EQUAL BY AMERICAN STANDARD, BRIGGS, KOHLER, TOTO OR APPROVED OTHER. TOTO TMT1LN32 OR EQUAL BY SLOAN, TOTO, ZURN OR APPROVED OTHER. CHURCH 9500C OR EQUAL BY BEMIS, BENKE, CENTOCO, CHURCH, OR SEAT MADE BY WATER CLOSET MANUFACTURER.	(7)	
WC1H	FLOOR MOUNTED, TANK TYPE, HANDICAPPED WATER CLOSET	½"	-	3"	-	1.28 GPF	BOWL: ADA COMPLIANT, VITREOUS CHINA, TWO PIECE, CLOSE COUPLED TANK, FULLY GLAZED TRAP WAY, SIPHON ACTION FLUSH, ELONGATED BOWL. SEAT: PLASTIC, OPEN FRONT WITH COVER, INTEGRALLY MOLDED BUMPERS, BOLT CAPS.	BOWL: WHITE MATCH BOWL COLOR SEAT:	BOWL: PROFLO PF1403HE & PF5112HE. PROFLO PFTS2000	(4)(5)(6)	
WC2H	PUBLIC, FLOOR MOUNTED, FLUSH VALVE, HANDICAPPED WATER CLOSET	1"	-	4"	-	1.28 GPF	BOWL: ADA COMPLIANT, VITREOUS CHINA, TOP SPUD, FULLY GLAZED TRAP WAY, SIPHON JET ACTION FLUSH, ELONGATED BOWL. VALVE: ADA COMPLIANT LEVER HANDLE, MANUAL, BRONZE BODY, ACCESSORIES SHALL INCLUDE VACUUM BREAKER, ANGLE STOP, CHECK VALVE, AND ESCUTCHEON. SEAT: EXTRA HEAVY WEIGHT PLASTIC, OPEN FRONT LESS COVER, INTEGRALLY MOLDED BUMPERS, BOLT CAPS, SELF SUSTAINING STAINLESS STEEL CHECK HINGE.	BOWL: WHITE VALVE: POLISHED CHROME SEAT: MATCH BOWL COLOR	BOWL: AMERICAN STANDARD 3043.001 OR EQUAL BY AMERICAN STANDARD, BRIGGS, KOHLER, TOTO OR APPROVED OTHER. TOTO TMT1LN32 OR EQUAL BY SLOAN, TOTO, ZURN OR APPROVED OTHER. CHURCH 9500SC OR EQUAL BY BEMIS, BENKE, CENTOCO, CHURCH, OR SEAT MADE BY WATER CLOSET MANUFACTURER.	(7)(8)(9)	
URH	WALL MOUNTED, FLUSH VALVE, HANDICAPPED URINAL	¾"	-	2"	17"	0.13 GPF	BOWL: ADA COMPLIANT, VITREOUS CHINA, TOP SPUD, INTEGRAL TRAP, BACK OUTLET. VALVE: MANUAL, BRONZE BODY, DIAPHRAGM WITH DEBRIS SCREEN, ACCESSORIES SHALL INCLUDE VACUUM BREAKER, ANGLE STOP, CHECK VALVE, AND ESCUTCHEON.	BOWL: WHITE VALVE: POLISHED CHROME	BOWL: AMERICAN STANDARD 6590.001 OR EQUAL BY AMERICAN STANDARD, KOHLER, TOTO OR APPROVED OTHER. SLOAN 186 OR APPROVED EQUAL BY SLOAN, TOTO, ZURN, OR APPROVED OTHER.	(11)	
IMB	ICE MACHINE BOX	½"	-	-	24"		RECESSED, MOLDED PLASTIC, MOUNTING BRACKETS, FACEPLATE FRAME, PRE-INSTALLED COLD WATER VALVE WITH INTEGRAL WATER HAMMER ARRESTOR.	BOX: WHITE VALVE: CHROME	BY GUY GRAY, GATEY, SIOUX CHIEF OR APPROVED EQUAL.	(1)	
WMB	WASHING MACHINE BOX	½"	½"	2"	-		RECESSED, MOLDED PLASTIC, MOUNTING BRACKETS, FACEPLATE FRAME, 2" DRAIN OPENING, PRE-INSTALLED HOT AND COLD WATER VALVES WITH INTEGRAL WATER HAMMER ARRESTORS.	BOX: WHITE VALVES: CHROME	GATEY 38747 OR EQUAL BY GUY GRAY, GATEY, OR APPROVED EQUAL.	(1)	
EDF	BI-LEVEL ELECTRIC DRINKING FOUNTAIN	½"	-	1-¾"	34"	-	FOUNTAIN: BI-LEVEL DUAL FOUNTAIN, ADA COMPLIANT, SINGLE COOLING UNIT, INTEGRAL DRAIN, DRINKING FOUNTAIN SHALL CONFORM TO NSF 61, SECTION 9.	ALL: POLISHED STAINLESS STEEL	FOUNTAIN: ACORN A112108F OR EQUAL BY ACORN, HALSEY TAYLOR, HAWS, OR APPROVED OTHER.	(7)	
DW	DOWDASH	½"	½"	2"	-	-	STAINLESS STEEL, FULL SPLASH BACK, TURBO DRYER, NON-SLIP FLOOR, BUILT IN HAIR FILTRATION SYSTEM WITH HOT WATER UNIT INCLUDED.	-	BY TRU BLU DOW WASH K9000	-	
FIXTURE SCHEDULE GENERAL NOTES:											
A. SPECIFICATIONS AND FIXTURE MODEL NUMBERS ARE A GENERAL GUIDE ONLY AND THE MODEL NUMBER MAY NOT REFLECT ALL FEATURES, ACCESSORIES, SIZE, OR MINIMUM OR MAXIMUM ALLOWABLE DIMENSIONS OF THE REQUIRED PRODUCT.											
B. FEATURES OF THE FIXTURE MODEL TO BE PROVIDED BY THE CONTRACTOR SHALL BE VERIFIED WITH THE DESCRIPTIONS GIVEN IN THIS SCHEDULE AND WITH THE ARCHITECTURAL AND/OR INTERIOR DESIGN DRAWINGS.											
C. CONTRACTOR SHALL NOTIFY ENGINEER IF ANY DISCREPANCIES OF FIXTURE REQUIREMENTS, DESCRIPTIONS, SIZES, DIMENSIONS, OR MODEL NUMBER EXIST BETWEEN THE ARCHITECTURAL, INTERIORS, AND PLUMBING DRAWINGS PRIOR TO SUBMITTING BID.											
D. BY SUBMITTING A BID FOR THIS PROJECT, THE CONTRACTOR IS CERTIFYING THAT ALL FIXTURES INCLUDED IN THEIR BID PACKAGE HAVE BEEN VERIFIED TO COMPLY WITH THE GENERAL PERFORMANCE REQUIREMENTS OF THIS SCHEDULE AND THAT ALL INCLUDED FIXTURE DIMENSIONS HAVE BEEN COORDINATED WITH THE ARCHITECTURAL DRAWINGS.											
E. CONTRACTOR SHALL COORDINATE THE LOCATION AND SIZE OF ALL COUNTER MOUNTED FIXTURES WITH ARCHITECTURAL DRAWINGS AND CABINET FABRICATOR.											
F. LOW LEAD VERSIONS OF ALL FIXTURES SHALL BE USED WHEN OFFERED BY THE MANUFACTURER AS AN OPTION.											
G. THE TERM "APPROVED OTHER" OR "APPROVED EQUAL", WHERE USED IN THIS SCHEDULE, SHALL MEAN AN ENGINEER APPROVED ALTERNATE MANUFACTURER AND MODEL.											
FIXTURE SCHEDULE KEY NOTES:											
(1) SEE ARCHITECTURAL ELEVATIONS FOR COMPONENT MOUNTING HEIGHTS.											
(2) PROVIDE POP-UP TYPE DRAIN ASSEMBLIES ON LAVATORIES IN ALL PRIVATE BATH ROOMS.											
(3) ALL WASTE PIPING AND HOT WATER PIPING BELOW HANDICAPPED SINKS SHALL BE INSULATED WITH TRUEBOO COVERS OR APPROVED EQUAL.											
(4) WATER CLOSETS MUST BE CAPABLE OF AT LEAST REMOVING 800 GRAMS PER FLUSH BASED ON MAXIMUM PERFORMANCE (MAP) OF TOILET FIXTURES BY VERITEC CONSULTING, INC. AND KOELLER CO.											
(5) WATER CLOSET SHALL MEET ADA HEIGHT REQUIREMENTS WITH SEAT INSTALLED.											
(6) ALL FLUSHING CONTROLS SHALL BE ON THE "WIDE" OR "OPEN" SIDE OF THE TOILET AREA PER LOCAL ACCESSIBILITY CODES.											
(7) MOUNTING HEIGHT IS FOR LOWER UNIT IN A BI-LEVEL FIXTURE SET.											

PLUMBING SPECIALTY SCHEDULE						
SYMBOL	FIXTURE TYPE	MANUFACTURER MODEL NUMBER	PIPE SIZES		DESCRIPTION	NOTES:
			SOIL OR WASTE	VENT		
FD1	FLOOR DRAIN, GENERAL PURPOSE TYPE	MIFAB F1100-C-5-1-7	2",3",4"	2"	DUCO CAST IRON BODY AND FLASHING COLLAR, ADJUSTABLE NICKEL-BRONZE STRAINER HEAD, ROUND TOP, CAULK OUTLET. PROVIDE WITH 1/2" TRAP PRIMER CONNECTION.	1
FD2	FLOOR DRAIN, HEAVY DUTY TYPE	MIFAB F1100-C-N7-5-1-7	2",3",4"	2"	DUCO CAST IRON BODY AND FLASHING COLLAR WITH BAR GRATE, ROUND TOP, CAULK OUTLET. PROVIDE WITH 1/2" TRAP PRIMER CONNECTION.	1
AD1	AREA DRAIN, PARKING DECK	MIFAB F1510	3",4",6"	----	EPOXY COATED CAST IRON PARKING STRUCTURE DRAIN WITH ANTI-PONDING TOP, MEMBRANE CLAMPING FLANGE, HEAVY DUTY SELF-CLOSING HINGED GRATE, SEDIMENT BUCKET AND NO HUB OUTLET.	1
WHYD	NON-FREEZE WALL HYDRANT	MIFAB MHY-20 SERIES	----	----	NON-FREEZE WALL HYDRANT WITH INTEGRAL VACUUM BREAKER, ¾ TURN KEY ASSEMBLY, AND STAINLESS STEEL LOCKING BOX.	1
HB	HOSE BIBB	MIFAB MHY-10 SERIES	----	----	HOSE BIBB WITH INTEGRAL VACUUM BREAKER, ¾ TURN KEY ASSEMBLY, AND EXPOSED HOSE CONNECTION.	1
RHYD	NON-FREEZE ROOF HYDRANT	WOODFOOD RHY2-M	----	----	NON-FREEZE ROOF HYDRANT WITH BACKFLOW PREVENTER, INTEGRAL DRAIN, CAST IRON MOUNT.	1
FS	INDIRECT WASTE DRAIN	MIFAB FS1730-F1-1-6-7	2",3",4"	2"	DUCO CAST IRON BODY AND FLASHING COLLAR WITH NICKEL BRONZE ADJUSTABLE STRAINER HEAD W/ SECURED SQUARE HOLE 12" X 12" GRATE. PROVIDE VANDAL PROOF SCREWS. PROVIDE WITH ¾" TRAP PRIMER CONNECTION WHERE REQUIRED BY CODE.	1
FCO	FLOOR CLEAN OUT	MIFAB C1100-JR-1	2",4"	----	TWIST TO FLOOR ADJUSTMENT ROUND TOP.	1
WCO	WALL PLATE CLEAN OUT	MIFAB C1430-RD	2",4"	----	CAST BRONZE TAPER THREAD PLUG WITH STAINLESS STEEL ROUND COVER AND SCREW.	1
TP	TRAP PRIMER VALVE	PRECISION PLUMBING PR-500	----	----	TRAP PRIMER WITH INTERNAL VACUUM BREAKER AND INTEGRAL BACKFLOW PREVENTOR. SUPPLY WITH DISTRIBUTION UNIT. MAX 4 FLOOR DRAINS/FLOOR SINKS PER TRAP PRIMER. COORDINATE WITH MECHANICAL PLUMBING DRAWINGS FOR QUANTITY OF FLOOR DRAINS/FLOOR SINKS TO ENSURE ALL FLOOR DRAINS AND FLOOR SINKS ARE EQUIPPED WITH TRAP PRIMER.	1
NOTES:						
1. APPROVED ALTERNATE MANUFACTURERS FOR PLUMBING FIXTURES AND EQUIPMENT ARE MIFAB, J.R. SMITH, JOSAM, WADE, WATTS, ZURN OR APPROVED OTHER.						

MARK	LOCATION	TYPE	KW	RECOVERY (90°F TEMP. RISE)	NOMINAL STORAGE GALLONS	ENERGY FACTOR	BASIS OF DESIGN	REMARKS
WH1	SINGLE BED APARTMENTS	TANK TYPE	4.5	21	38	0.95	RHEIM PROE 38 S2 RH95 OR APPROVED EQUAL	(1)(2)(3)
WH2	TWO BED APARTMENTS	TANK TYPE	6.0	21	47	0.95	RHEIM PROE47 S2 RH95 OR APPROVED EQUAL	(1)(2)(3)
WH3	THREE BED APARTMENTS	TANK TYPE	6.0	21	47	0.95	RHEIM PROE47 S2 RH95 OR APPROVED EQUAL	(1)(2)(3)(4)
WH4	DOG SPA	TANK TYPE	4.5	-	19.9	-	RHEIM PROE20 1 RH POU OR APPROVED EQUAL	(1)(3)(4)
WH5	AMENITIES	TANK TYPE	4.5	19	50	0.95	AO SMITH ENS-50 OR APPROVED EQUAL	(1)(3)(4)

(1) SEE ELECTRICAL DRAWINGS FOR VOLTAGE AND PHASE REQUIREMENTS. COORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT.  
(2) PROVIDE ONE WATER HEATER PER APARTMENT UNIT.  
(3) ACCEPTABLE EQUAL MANUFACTURERS ARE A.O.SMITH, BRADFORD WHITE, LOOKINWAR, PVI, RHEIM OR STATE.  
(4) 50 GALLONS OF STORAGE CAPACITY IS REQUIRED FOR THREE BEDROOM UNITS OR 60 FHR BY THE GEORGIA AMENDMENTS 2014 TO THE INTERNATIONAL PLUMBING CODE.

INSTANTANEOUS WATER HEATER SCHEDULE										
MARK	QUANTITY	LOCATION	ENERGY SOURCE	INPUT ENERGY	TEMPERATURE RISE	FLOW RATE	EFFICIENCY RATING	TEMPERATURE SET POINT	BASIS OF DESIGN	REMARKS
WH6	1	BELOW LAVATORY	ELECTRIC	4.3 KW	58°F	0.5 GPM	95%	110°	SIFEN OR APPROVED EQUAL	-

- NOTES:  
(1) WATER HEATER MUST BE DIRECT VENTED WITH FORCED COMBUSTION.  
(2) ALL WATER HEATER VENTING MUST BE INSTALLED PER THE MANUFACTURER'S VENTING REQUIREMENTS USING THE MANUFACTURER'S VENT KIT AND MATERIALS.  
(3) WATER HEATERS MUST HAVE THEIR CONTROLS INTERCONNECTED PER THE MANUFACTURER'S GUIDELINES.

REMOTE READ WATER METERS		
ALL WATER SUBMETERS SYSTEM SHALL BE COMPATIBLE WITH OWNER'S METER READING SYSTEM. COORDINATE WITH OWNER PRIOR TO PURCHASE OR INSTALLATION.		
1. SYSTEM SHALL BE COMPLETELY WIRELESS AND FCC-LICENSED (NOT "FCC CERTIFIED" OR "FCC APPROVED").		
2. SYSTEM SHALL REQUIRE NOT MORE THAN 1 REPEATER FOR EACH 100 TRANSMITTERS.		
3. SYSTEM SHALL BE CAPABLE OF TRANSMITTING METER READINGS VIA INTERNET OR MODEM.		
4. SYSTEM SHALL BE CAPABLE OF TRANSMITTING METER READINGS OF THE SYSTEM.		
5. SYSTEM SHALL BE CAPABLE OF TRANSMITTING METER READINGS MULTIPLE TIMES PER DAY.		
6. SYSTEM SHALL BE SUPPORTED BY A FULL WARRANTY DURING THE TERM OF THE ASSOCIATED READ, BILL, & COLLECT CONTRACT.		
7. SYSTEM SHALL BE SUPPORTED BY WEB SERVICES THAT ALLOW OCCUPANTS AND PROPERTY MANAGEMENT TO VIEW METER READS, BILLING AND COLLECTION INFORMATION ON A REAL-TIME BASIS. THESE WEB SERVICES SHALL BE AVAILABLE 24 HOURS PER DAY, 7 DAYS PER WEEK, AND 365 DAYS PER YEAR.		
8. WATER METERS MUST MEET OR EXCEED ANMA C-708 (AMERICAN WATER WORKS ASSOCIATION).		
9. WATER METERS MUST MEET OR EXCEED THE LOW LEAD REQUIREMENTS OF NSF-61 (NATIONAL SANITATION FOUNDATION) AND CALIFORNIA PROPOSITION 65.		
10. WATER METER MUST HAVE A TEMPERED GLASS LENS.		
11. WATER METER MEASURING CHAMBER AND MEASURING ELEMENT MUST BE EASILY REMOVABLE FROM THE MAIN CASE WITHOUT REMOVAL OF THE METER FROM THE LINE.		
12. INDIVIDUAL WATER METERS SHALL HAVE BATTERY OPERATED TRANSMITTERS WITH A MINIMUM 5 YEAR AVERAGE BATTERY LIFE. BATTERY SHALL BE REPLACEABLE WITHOUT REMOVING WATER METER FROM SERVICE OR REPLACING TRANSMITTER UNIT.		
13. WATER METER MUST HAVE TAMPER DETECTION AND TAMPER PREVENTION FEATURES.		
14. SYSTEM ELECTRONICS, WATER METERS, SHUTOFF VALVES AND RELATED COMPONENTS MUST BE RATED FOR EXTERIOR USE WHEN INTENDED FOR EXTERIOR INSTALLATION.		
15. CONTRACTOR MUST COORDINATE LOCATIONS OF ALL REPEATERS OR OTHER COMPONENTS REQUIRING POWER WITH THE ELECTRICAL CONTRACTOR PRIOR TO INSTALLING ANY COMPONENTS.		
16. EQUIPMENT WITHIN APARTMENT MECHANICAL CLOSETS MUST BE PLENUM-RATED.		

PLUMBING LEGEND		
SYMBOL	ABBREVIATION	DESCRIPTION
—	SAN	SOIL OR WASTE PIPE BELOW SLAB
—	V	VENT PIPE
—RW—	RW	RAINWATER PIPE
—	CW	COLD WATER PIPE
—	HW	HOT WATER PIPE
—HWR—	HWR	HOT WATER RECIRCULATING PIPE
		PIPE TO BE HEAT TRACED
⊗	FD	FLOOR DRAIN
⊗	FS	FLOOR SINK
—○—	FCO or CO	FLOOR CLEANOUT or GENERIC CLEANOUT
—	WCO	WALL CLEANOUT
●	BV	BALL VALVE
⌞	CHKV	CHECK VALVE
+	WHYD	WALL HYDRANT
⊙	RO	ROOF DRAIN
⌞	FDC	FIRE DEPARTMENT CONNECTION
⊙	AAV	AIR ADMITTANCE VALVE
—	VTR	VENT THRU ROOF
—	B/F	VENT THRU ROOF

DOMESTIC WATER SERVICE	
THE DOMESTIC WATER SERVICE SUPPLY PIPING SHOWN ON THE DRAWINGS HAS BEEN SIZED BASED ON THE FOLLOWING CRITERIA AND ASSUMPTIONS. WATER METERS PROVIDED BY OTHERS MUST MEET THESE REQUIREMENTS AT THE MAXIMUM DOMESTIC WATER FLOW RATE. DO NOT ORDER METER WITHOUT MEETING THIS CRITERIA LISTED BELOW.	
WATER SUPPLY FIXTURE UNITS	2252 /WSFU
MAX. DOMESTIC FLOW RATE	1680 /GPM
MAX. PRESSURE DROP AT METER	10 PSI
MAX. PRESSURE DROP AT BFP	8 PSI
RECOMMENDED METER SIZE	6 IN

- GENERAL NOTES
- COORDINATE ALL PIPING WITH DUCT WORK AND LIGHTING FIXTURES.
  - ALL PIPING DROPS IN CHASES AND WALLS ARE TO BE SECURED TO WALLS.
  - ALL VERTICAL WASTE, WATER, VENT AND STORM RISERS THAT ARE EXPOSED IN AREAS INTERIOR TO THE BUILDING THAT ARE VISIBLE TO THE PUBLIC SHALL BE ENCASED IN ARCHITECTURAL FURR OUTS. NOTIFY GC IF FURR OUTS ARE NOT PROVIDED ON ARCHITECTURAL DRAWINGS.
  - MAKE ALL FINAL CONNECTIONS TO ALL FIXTURES AND EQUIPMENT.
  - CAP ALL OPEN PIPING ENDS DURING CONSTRUCTION TO PREVENT THE ENTRY OF DEBRIS INTO THE PLUMBING SYSTEMS.
  - ALL WASTE PIPING 4" OR LARGER TO BE SLOPED AT 1/8" PER LINEAR FOOT. ALL WASTE PIPING SMALLER THAN 4" TO BE SLOPED AT 1/4" PER LINEAR FOOT.
  - ALL PIPING IN EXTERIOR WALLS TO BE RUN ON "WARM" SIDE OF INSULATION.
  - ALL PLUMBING TRAPS LOCATED IN UNHEATED ENCLOSED ROOMS SHALL BE INSULATED FROM THE UNDERSIDE OF THE FLOOR ABOVE, THRU THE TRAP, AND 5'-0" BEYOND THE END OF THE TRAP.
  - ALL PLUMBING TRAPS LOCATED IN UNHEATED OPEN AREAS (I.E. PARKING DECKS) OR