

PLUMBING LEGEND			
	SANITARY OR WASTE PIPING ABOVE GRADE		DOUBLE CHECK VALVE W/ STRAINER
	SANITARY OR WASTE PIPING BELOW GRADE		REDUCED PRESSURE ZONE BFF W/ STRAINER
	GREASE WASTE PIPING		WATER METER (MAIN UTILITY METER)
	SANITARY VENT PIPING		WATER SUB-METER (WAWA BAS INTERFACE)
	INDIRECT WASTE PIPING		TRANSPONDER (BAS WATER PRESSURE)
	CLEANOUT		PRESSURE GAUGE
	CLEANOUT AT FLOOR		ELBOW DOWN / ELBOW UP OR RISER
	CLEANOUT AT GRADE		MIXING VALVE - TEMPERED WATER
	COLD WATER PIPING		TRAP PRIMER DEVICE W/ DISTRIBUTION UNIT
	HOT WATER PIPING		SHOCK ARRESTOR
	HOT WATER RETURN PIPING		BOX TYPE HYDRANT (NON FREEZE)
	CSR WATER PIPING		EQUIPMENT NUMBER
	TRAP PRIMER WATER PIPING		FLOOR DRAIN
	TEMPERED WATER PIPING		SAFE WASTE DRAIN
	GAS PIPING		HUB STYLE DRAIN
	SERVICE PIPING BELOW FLOOR		ROOF DRAIN
	GATE VALVE (IN VERTICAL)		FLOOR SINK
	BALL VALVE		EXPANSION TANK
	CHECK VALVE		HOT WATER RETURN CIRCULATION PUMP
	PRESSURE REGULATING VALVE		DIRECTION OF FLOW
	GAS METER		DIRECTION OF PITCH
	TRAP		
	PIPE DROP		

PIPING MATERIAL SCHEDULE						
SERVICE	SIZE	MATERIAL	SCHEDULE/TYPE	INSULATION		REMARKS
				TYPE	THICKNESS	
COLD WATER	ALL	CPVC	-	ARMAFLEX	1/2"	-
HOT WATER	ALL	CPVC	-	ARMAFLEX	1/2"	-
SANITARY	ALL	C.I. OR PVC	NOTE 3	NONE	-	NO HUB
VENT	ALL	C.I. OR PVC	SCH. 40	NONE	-	SEE NOTE 1
ST BELOW GRADE	ALL	C.I. OR PVC	SERVICE WEIGHT	NONE	-	NO HUB
ST ABOVE GRADE	ALL	C.I. OR PVC	SERVICE WEIGHT	FG	1"	NO HUB

NOTES:
 1. WASTE AND VENT PIPING IN PLENUM SPACE SHALL BE SERVICE WEIGHT CAST IRON, NO HUB.
 2. FIBERGLASS PIPE INSULATION, MINERAL OR GLASS FIBERS BONDED WITH A THERMOSETTING RESIN, SEMIRIGID BOARD MATERIAL WITH FACTORY-APPLIED ASJ COMPLYING WITH ASTM C 1390, OR WITH PROPERTIES SIMILAR TO ASTM C 612, NOMINAL DENSITY IS 2.5 LB/CU. FT. OR MORE, THERMAL CONDUCTIVITY (K VALUE) AT 100 DEG. F (85 DEG. C) IS 0.29 BTU X IN/H X SQ. FT. X DEG. F @ 0.942 W/M X K OR LESS, ALL SERVICE JACKET (AS).
 3. WHITE, KRAFT-PAPER, FIBERGLASS-REINFORCED SCRIM WITH ALUMINUM-FOIL BACKING, COMPLYING WITH ASTM C 1136, TYPE MANUFACTURER: A. CERTANTEED CORP., B. JOHNS MANVILLE, C. KNAUF INSULATION, D. OWENS CORNING
 4. FOR PVC ONLY SCHEDULE 40 DIV. FOAM CORE PVC NOT ALLOWED.

WATER HAMMER ARRESTOR SCHEDULE	
INSTALLED ARRESTOR SHALL BE APPROVED DEVICE BY FLORIDA PLUMBING CODE. ALL SUPPLY PIPING SHALL HAVE ARRESTOR THE SAME SIZE AS CONNECTION SIZE UP TO 1" I.E. PROVIDE P.D.I. SIZE "C" FOR 1" OR LARGER WATER SUPPLY TO FIXTURES, P.D.I. SIZE "B" FOR 3/4" SUPPLY AND P.D.I. SIZE "A" FOR 1/2" SUPPLY.	
P.D.I. SIZE	CONNECTION SIZE
A (1-1/2 F.U.)	1/2"
B (12-32 F.U.)	3/4"
C (33-60 F.U.)	1"

P.D.I. = PLUMBING AND DRAINAGE INSTITUTE STANDARD WH-201

BACKFLOW PREVENTER & SPECIALTY SCHEDULE						
SERVICE & APPLICATION	MANUFACTURER	SERIES	MODEL NUMBER	SIZE	ASSE STD.	REMARKS
MAIN WATER SERVICE	WATTS REGULATOR	SERIES LF909	MODEL LF909M1QT-S	1 1/2"	ASSE 1013	WHEN A "RPZ" TYPE IS REQUIRED
MAIN WATER SERVICE	WATTS REGULATOR	SERIES LF007	MODEL LF007M1QT-S	1 1/2"	ASSE 1015	WHEN A DOUBLE CHECK VALVE IS REQUIRED
LAWN IRRIGATION	WATTS REGULATOR	SERIES LF909	MODEL LF909M1QT-S	1"	ASSE 1013	WHEN VALVE IS LOCATED INSIDE THE BLDG.
LAWN IRRIGATION	WATTS REGULATOR	SERIES LF800	MODEL LF800MAFR	1"	ASSE 1020	WHEN VALVE IS LOCATED OUTSIDE THE BLDG.
YARD HYDRANT	WATTS REGULATOR	SERIES LF009QT	MODEL LF009M3QT	3/4"	ASSE 1013	WHEN REMOTE TRASH COMPOUND IS UTILIZED
COFFEE & CAPPUCCINO MACHINES	WATTS REGULATOR	SERIES SD-3	MODEL SD-3-MN	3/8"	ASSE 1022	LEAD FREE, 3/8" M-NPT INLET/OUTLET, RUN VENT TO DRAIN
SODA CARBONATOR (FREESTYLE)	WATTS REGULATOR	SERIES SD-3	MODEL SD-3-MN	3/8"	ASSE 1022	LEAD FREE, 3/8" M-NPT INLET/OUTLET, RUN VENT TO DRAIN
FROZEN CARBONATED BEVERAGE (FCB)	WATTS REGULATOR	SERIES SD-3	MODEL SD-3-MN	3/8"	ASSE 1022	LEAD FREE, 3/8" M-NPT INLET/OUTLET, RUN VENT TO DRAIN
ICE MAKER (SODA & SMOOTHIE)	WATTS REGULATOR	SERIES SD-3	MODEL SD-3-MN	3/8"	ASSE 1022	LEAD FREE, 3/8" M-NPT INLET/OUTLET, RUN VENT TO DRAIN
ESPRESSO MACHINE	WATTS REGULATOR	SERIES SD-3	MODEL SD-3-MN	3/8"	ASSE 1022	LEAD FREE, 3/8" M-NPT INLET/OUTLET, RUN VENT TO DRAIN
ICED TEA	WATTS REGULATOR	SERIES SD-3	MODEL SD-3-MN	3/8"	ASSE 1022	LEAD FREE, 3/8" M-NPT INLET/OUTLET, RUN VENT TO DRAIN
MILKSHAKE MACHINE	WATTS REGULATOR	SERIES SD-2	MODEL SD-2-MN	3/8"	ASSE 1032	LEAD FREE, 3/8" M-NPT INLET/OUTLET
ROLL BAKING (FILTERED WATER)	WATTS REGULATOR	SERIES SD-2	MODEL SD-2-MN	3/8"	ASSE 1033	LEAD FREE, 3/8" M-NPT INLET/OUTLET
ROLL BAKING (DOMESTIC WATER)	WATTS REGULATOR	SERIES LF7	MODEL LF7R	1/2"	ASSE 1024	
"CSR" WATER SUPPLY	WATTS REGULATOR	SERIES LF7	MODEL LF7R	1"	ASSE 1024	
HOT FOOD TABLE & RETHERMALIZER	WATTS REGULATOR	SERIES LF7	MODEL LF7R	1"	ASSE 1024	
SANITIZING EQUIPMENT (EQ. F3 & MR-1)	WATTS REGULATOR	SERIES LF009QT	MODEL LF009QT	1"	ASSE 1013	
VACUUM RELIEF FITTING (GHW-1)	WATTS REGULATOR	SERIES LF909	MODEL LF909-M1	3/4"	ASSE 1013	

PLUMBING FIXTURE SCHEDULE						
NO.	FIXTURE	MANUFACTURER	MODEL #	FINISH	SIZE	DESCRIPTION
BV-1	CALIBRATED BALANCE VALVE	BELL & GOSSETT	CB34LF	P	-	FURNISH AND INSTALL AS SHOWN ON PLANS AND WITH MANUFACTURERS RECOMMENDATIONS MODEL CB CALIBRATED BALANCE VALVES
ECO	EXTERIOR CLEANOUT	JAY R. SMITH	431	HJC	-	HEAVY TRAFFIC AREA EXTERIOR CLEANOUT WITH ACCESS COVER AND TWO-WAY FITTING. SEE PLANS FOR PIPE SIZE CONNECTION.
F3	HAND SINK	KROWNE	HS-30L	HJC	12" x 12" x 2"	WALL MOUNTED, SIS-HAND SINK WITH FAUCET & STRAINER, CHROME PLATED BRASS ANGLE STOPS WITH CHROME PLATED HANDLES SHALL BE ALIGNED TO BE PERPENDICULAR TO THE FLOOR WHEN IN THE CLOSED POSITION. PROVIDE MIXING VALVE WATTS MODEL #LFMMV-US-M1. MIXING VALVE SHALL BE LOCATED ABOVE THE "LAY-IN" CEILING TILE WHERE APPLICABLE. TEMPERATURE GAUGE SHALL BE EASILY READABLE FROM THE FLOOR OR A LADDER. TEMPERED WATER SHALL BE SET AT 120°F.
F4	FLOOR CLEANOUT	ZURN	ZN1400	HJC	-	FLOOR CLEANOUT WITH ACCESS COVER. SEE PLANS FOR PIPE SIZE CONNECTION. (2N1400-HNL-VP)
F5	FLOOR DRAIN	JAY R. SMITH	205SL	HJC	-	CAST IRON BODY WITH BOTTOM OUTLET, NICKEL BRONZE ROUND STRAINER. PROVIDE DEEP SEAL TRAP AND TRAP PRIMER CONNECTION OUTLET. (205SL-A05-NB-P050-U)
FD-2	NOT USED	-	-	-	-	-
FD-3	FLOOR DRAIN	JAY R. SMITH	205L-F37	HJC	-	CAST IRON BODY WITH BOTTOM OUTLET, NICKEL BRONZE ROUND STRAINER WITH FUNNEL. PROVIDE DEEP SEAL TRAP AND TRAP PRIMER CONNECTION OUTLET. (205L-F37-NB-P050-U)
FS-1	FLOOR SINK	PLASTIC ODDITIES INC.	RBH-300H	HJC	-	12" x 5.5" DEEP, PLASTIC BODY WITH ACID RESISTING INTERIOR AND HALF GRATE ALUMINUM BEEHIVE STRAINER
FS-2	FLOOR SINK	PLASTIC ODDITIES INC.	RPS-300SC	HJC	-	12" x 5.5" DEEP, PLASTIC BODY WITH ACID RESISTING INTERIOR AND SOLID COVER & DRAIN OUTLET TEST PLUG.
FS-3	FLOOR SINK	PLASTIC ODDITIES INC.	RSE3	HJC	-	9" x 5.5" DEEP, PLASTIC BODY WITH ACID RESISTING INTERIOR, NO GRATE, GREY FINISH WITH SEDIMENT BUCKET.
FS-4	FLOOR SINK	PLASTIC ODDITIES INC.	PSD960SW	HJC	-	9" x 5.5" DEEP, PLASTIC BODY WITH ACID RESISTING INTERIOR, FLOOR SINK (PLUGGED FOR FUTURE USE), SOLID COVER, RIM TO BE FLUSH WITH FLOOR, GREY FINISH
FS-5	FLOOR SINK	PLASTIC ODDITIES INC.	RBH-300T	HJC	-	12" x 5.5" DEEP, PLASTIC BODY WITH ACID RESISTING INTERIOR AND THREE-QUARTER PLASTIC GRATE TO WITH ALUMINUM BEEHIVE STRAINER.
GWH-1	GAS WATER HEATER	A.O. SMITH	BTX-100	HJC	1-1/4"	50 GALLONS STORAGE 116 GPH RECOVERY @ 100°F TEMP. RISE. 100 MBH NAT. GAS INPUT 120V RECEPTACLE FOR BLOWER & IGNITION SYSTEM. PROVIDE THERMAL EXPANSION DEVICE PROVIDE DRIP PAN. USE CONCENTRIC SIDEWALL VENT. SEE ARCHITECTURAL PLAN HOT WATER TEMP. SET @ 140°F PVC FLUE SHALL BE DRY ASYM. 208S WATER HEATER STAND BY HOLD-FITE MODEL #HS-S-24-U WITH CP-24 DRAIN PAN. USE AT WATTS THERMAL EXPANSION TANK.
HUB-1	HUB DRAIN	-	-	PC	-	3" x 6" INCREASER FITTING, TOP OF FITTING SET @ 1" A.F.F. PROVIDE WITH 3" SNAP-IN STRAINER.
HUB-2	HUB DRAIN	-	-	PC	-	3" x 6" INCREASER FITTING, TOP OF FITTING SET @ 1" A.F.F. DRAIN TO BE ABOVE CABINET BASE, COORDINATE LOCATION, SNAP-IN STRAINER NOT REQUIRED.
HUB-3	HUB DRAIN	-	-	PC	-	3" x 4" INCREASER FITTING, PROVIDE WITH 3" SNAP-IN STRAINER.
HWR-1	RECIRCULATING PUMP	BELL & GOSSETT	NBF-9ALW	HJC	-	PROVIDE WITH MODEL AOS-12 AQUASTAT. PROVIDE ELECTRICAL DISCONNECT SWITCH. ELECTRICAL REQUIREMENTS ARE 115V/150W. CAPACITY FOR PUMP IS 5 GPM AT 5 FT HEAD.
LAV-1	LAVATORY UNDERMOUNT SINK	ELKAY	ELUH1811 W/LUCLUP	CABINET	12" x 12" x 2"	ADA COMPLIANT UNDER MOUNT STAINLESS STEEL LAVATORY. INSTALL AS REQUIRED TO MEET ADA GUIDELINES. PROVIDE WITH MCCOURE MODEL #H18LK, #155VC OFFSET STRAINER AND TAILPIECE & #R902. PROVIDE ZURN FAUCET MODEL #Z0915-GEN-K-XL WITH THESE OPTIONS 0.5 GPM VANDAL RESISTANT LAMINAR FLOW & LOW LEAD COMPLIANT. PROVIDE WITH MIXING VALVE WATTS MODEL #LFMMV-US-M1. INSTALL USING MANUFACTURERS RECOMMENDATIONS. USE OFFSET VALVE/PEE TO AVOID CONFLICT WITH CABINET DOOR.
MR-1	MOP RECEPTOR	FIAT	MSB-2436	HJC	3/4" x 3/4" x 3"	FLOOR MOUNTED MOLDED PLASTIC BASIN WITH HOSE BRACKET R30-AA, WALL MOUNTED FAUCET R30-AA, MOP HANGER R88-CC AND CORNER GUARD ON THE FRONT L.P. FIAT PRODUCTS STRAINER #1453-BB. CAST IRON P-TRAP
MW4	SINK COUNTERTOP	-	-	CABINET	12" x 12" x 2"	FURNISHED BY WAWA, INSTALLED BY PLUMBING CONTRACTOR.
MW5/ MW9.5	SINK COUNTERTOP	-	-	CABINET	12" x 12" x 2"	FURNISHED BY WAWA, INSTALLED BY PLUMBING CONTRACTOR. REFERENCE DETAIL ON THIS SHEET.
MX-1	MIXING VALVE (LAVATORIES)	WATTS REGULATOR	LFMMV-US-M1	HJC	1/2" x 1/2"	ASSE 1070 MIXING VALVE SET AT 110° F (UNLESS NOTED).
MX-2	MIXING VALVE (HAND WASHING)	WATTS REGULATOR	LFMMV-US-M1	HJC	1/2" x 1/2"	ASSE 1070 MIXING VALVE SET AT 120° F (UNLESS NOTED).
NFWH-1	WALL HYDRANT-BRICK	JAY R. SMITH	5519	HJC	3/4"	PROVIDE WALL HYDRANTS AS LOCATED ON THE PLUMBING DRAWINGS. WALL HYDRANTS SHALL BE AUTOMATIC DRAINING WITH 3/4 INCH VACUUM BREAKER HOSE CONNECTION. COLD WATER SUPPLY SHALL BE PROVIDED WITH A BACKFLOW PREVENTER AS INDICATED ON THE PLUMBING DRAWINGS.
NFWH-2	WALL HYDRANT-STONE	JAY R. SMITH	5590QT	HJC	3/4"	PROVIDE WALL HYDRANTS AS LOCATED ON THE PLUMBING DRAWINGS. WALL HYDRANTS SHALL BE AUTOMATIC DRAINING WITH 3/4 INCH VACUUM BREAKER HOSE CONNECTION. COLD WATER SUPPLY SHALL BE PROVIDED WITH A BACKFLOW PREVENTER AS INDICATED ON THE PLUMBING DRAWINGS.
RD-1	ROOF DRAIN	JAY R. SMITH	1340T	HJC	-	DUGO CAST IRON BODY WITH COMBINED FLASHING CLAMP & GRAVEL STOP WITH POLYETHYLENE DOME AND EXTENSION SLEEVE AS REQUIRED.
TP-1	TRAP PRIMER	PRECISION PLUMBING	P1-500	HJC	1/2"	PROVIDE TRAP PRIMER AS INDICATED ON THE PLUMBING DRAWINGS. WHEN A SINGLE PRIMER SERVES MULTIPLE FIXTURES, PROVIDE TRAP PRIMER WITH A DISTRIBUTION UNIT.
UR-1	URINAL	AMERICAN STANDARD	6590.001.020	HJC	3/4" x 2" x 1-1/2"	ADA COMPLIANT FLUSHING RIM, VITREOUS CHINA URINAL, LOW CONSUMPTION AND SIPHON JET FLUSH ACTION. SLOAN "ROYAL OPTIMA" FLUSH VALVE MODEL 186-1 ES-S TOP SPUD WITH ACCESSORY EL-154 & EL-226. PROVIDE WITH RECOMMENDED K2 HANGERS.
WC-1	WATER CLOSET FLUSH VALVE (ADA)	AMERICAN STANDARD	3461.160	HJC	1" x 4" x 2"	FLOOR MOUNTED ADA COMPLIANT, VITREOUS CHINA, 1.6 GPF, TOP SPUD, ELONGATED FLUSH VALVE WATER CLOSET. PROVIDE WITH MANUFACTURERS RECOMMENDED ANGLE SUPPLY STOPS, SLOAN "ROYAL OPTIMA" FLUSH VALVE MODEL 111 ES-S TOP SPUD WITH ACCESSORIES EL-154 & EL-226. PROVIDE WITH OLSONITE MODEL #95SSCT OPEN FRONT, WHITE SEAT.
W00	WALL CLEANOUT	ZURN	Z1446	HJC	-	WALL CLEANOUT WITH STAINLESS STEEL ROUND ACCESS COVER. SEE PLANS FOR PIPE SIZE CONNECTION.
SA	SHOCK ARRESTOR	WILKINS	1250	HJC	-	WATER HAMMER ARRESTOR SHALL MEET ASSE 1010. THE DEVICE SHALL CONSIST OF A COPPER BODY WITH AN ACETAL PISTON, BRUNNITRLE O-RINGS AND LEAD FREE SOLDER. THE DEVICE SHALL BE PRE-CHARGED AND SEALED AT THE FACTORY.

NOTES:
 1. REFER TO ARCHITECTURAL DRAWINGS FOR ALL FINAL LOCATIONS AND MOUNTING DIMENSIONS OF ALL PLUMBING FIXTURES. PROVIDE ADA CONFORMING FACTORY INSULATION KIT ON HOT, COLD AND P-TRAP WASTE PIPING AT HANDICAP DESIGNATED LAVATORIES.
 2. SEE EQUIPMENT SCHEDULE ON SHEET EQ1 FOR EQUIPMENT NOT LISTED.

- ### PLUMBING GENERAL NOTES
- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND GOVERNING AUTHORITIES, I.E. INTERNATIONAL BUILDING CODE 2018 PLUMBING.
 - ALL SANITARY PIPING 2-1/2" OR LESS SHALL HAVE A 1/4" PER FOOT SLOPE. ALL SANITARY PIPING 3" OR LARGER SHALL HAVE A 1/8" PER FOOT SLOPE UNLESS OTHERWISE NOTED. ALL STORM WATER PIPING 2-1/2" OR LESS SHALL HAVE A 1/4" PER FOOT MINIMUM HORIZONTAL SLOPE. ALL STORM WATER PIPING 3" OR LARGER SHALL HAVE A 1/8" PER FOOT MINIMUM HORIZONTAL SLOPE UNLESS OTHERWISE INDICATED.
 - VALVES AND FITTINGS SHALL BE OF SAME SIZE OF LINE ON WHICH THEY ARE LOCATED. UNLESS OTHERWISE INDICATED ON DRAWINGS.
 - INSTALL WATER HAMMER SHOCK ARRESTORS AT EACH FIXTURE OR BATTERY OF FIXTURES WHERE REQUIRED. ARRESTORS SHALL BE FACTORY FABRICATED. ARRESTORS AND SIZE PER PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I. WH-201. ACCEPTABLE MANUFACTURERS: JOSAM, WATTS AND SLOAN. CHIEF AIR ENGINEERS SHALL NOT BE CONSIDERED AN EQUAL TO WATER ARRESTORS AS SPECIFIED.
 - CONTRACTOR IS RESPONSIBLE FOR MAINTAINING FIRE RATING AND WEATHERPROOFING INTEGRITY OF ALL PIPING AND PENETRATIONS.
 - CONTRACTOR SHALL GIVE 24 HOURS NOTICE TO APPLICABLE UTILITY COMPANY PRIOR TO PERFORMING WORK INVOLVING UTILITIES.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORTING DEVICES FOR FIXTURES.
 - CHANGES IN THE DIRECTION OF SANITARY AND STORM DRAINAGE PIPING SHALL NOT BE MADE WITH FITTINGS WHICH WILL CAUSE EXCESSIVE REDUCTION IN FLOW OR CREATE ANY OTHER ADVERSE EFFECT, I.E. USE OF SANITARY TEE IN A HORIZONTAL CONNECTION. USE OF A DOUBLE SANITARY TEE IN A VERTICAL SYSTEM OF SHORT RADIUS FITTINGS FOR BRANCH TO HOUSE DRAIN OR STACK CONNECTION.
 - WHERE SANITARY SEWER LINES CROSS UNDERGROUND WATER SUPPLY LINES THE INSTALLATION SHALL COMPLY WITH THE INTERNATIONAL BUILDING CODE 2018 PLUMBING, ARTICLE 903.2 CONSTRUCTED OF DUCTILE IRON PIPE (10" EACH SIDE OF WATER MAIN) OR THE WATER MAIN SHOULD BE PROTECTED TO PROVIDE 3" MINIMUM CLEARANCE.
 - ALL FLOOR DRAINS SHALL BE PROVIDED WITH A TRAP PRIMER VALVE AND FITTINGS UNLESS NOTED OTHERWISE.
 - THE PLUMBING CONTRACTOR MAY BE REQUIRED TO DROP PIPE OUTSIDE OF BUILDING TO REQUIRED DEPTH TO PROVIDE CONNECTION TO ARA DEVELOPMENT UTILITY STUB. ALL DROPS IN DEPTH SHALL BE MADE WITH THE USE OF 45° FITTINGS.
 - ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR IN CHASES. EXPOSED PIPING SHALL BE SLOPED AND PAINTED TO MATCH ARCHITECTURAL FINISHES. PIPING IN MECHANICAL ROOMS MAY BE EXPOSED.
 - SLEEVE AND FIRE STOP ALL PENETRATIONS (IF ANY) OF RATED WALLS, FLOORS, CEILINGS, ETC., IN ACCORDANCE WITH APPLICABLE UL STANDARDS AND LOCAL CODES TO MAINTAIN RATINGS. REFER TO SPECIFICATIONS AND ARCHITECTURAL DRAWINGS FOR RATED WALLS, CEILINGS AND FLOORS INFORMATION.
 - ALL WATER PIPING INSTALLED IN EXTERIOR WALLS SHALL BE PLACED ON THE INTERIOR SIDE OF THE WALL. INSULATION SHALL BE PLACED ON THE EXTERIOR SIDE OF THE PIPE.
 - SEE RISER DIAGRAMS FOR BRANCH PIPING DETAILS AND SIZES NOT SHOWN ON PLANS.
 - COLD AND HOT WATER PIPING SHALL BE FLOWGUARD GOLD CTS CPVC TYPE AND SHALL MEET ASTM D 2846 AND ASTM D 2847. INSPECT WATER PIPING AFTER PRESSURE TEST WITH CHLORINE SOLUTION 50 MG/L FOR 24 HOURS. FLUSH LINES WITH CLEAN WATER.
 - SOIL, WASTE AND VENT PIPING SHALL BE PVC. ASTM D2065. JOINTS: ASTM WELD. PROVIDE CAST IRON PIPE AND FITTINGS FOR SOIL, WASTE AND VENT PIPING LOCATED IN CEILING PLENUMS.
 - PROVIDE CLEANOUTS AT BASE OF EACH VERTICAL RUN AT EACH CHANGE OF DIRECTION OF HORIZONTAL RUNS AND AT 100' FOOT INTERVALS OF HORIZONTAL RUNS FOR SANITARY AND STORM PIPING.
 - PROVIDE ACCESS PANELS TO ALL VALVES, OPEN CHASES, ABOVE UNACCESSIBLE CEILINGS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
 - METERING AND UTILITY CONNECTIONS SHALL BE PROVIDED ON SITE. UTILITY DRAWINGS, ALL SERVICES SHOWN ON THIS SET OF PLANS TERMINATE 5'-0" FROM BUILDING, UNLESS SHOWN OTHERWISE ON DRAWINGS. PROVIDE CONNECTIONS FOR SMALL MAKE FINAL CONNECTIONS TO SITE UTILITIES.
 - FINISH AND INSTALL ALL RISER BIBBS FOR ALL DWELLING UNITS. PROVIDE FINISHED GRADE/FLOOR AND PROVIDE VACUUM BREAKERS.
 - FINISH AND INSTALL ALL RISER BIBBS FOR ALL DWELLING UNITS. PROVIDE FINISHED GRADE/FLOOR AND PROVIDE VACUUM BREAKERS.
 - CONTRACTOR SHALL VERIFY ALL CONNECTIONS OF EXISTING SEWERS IN WHICH NEW SEWER LINES ARE TO BE CONNECTED PRIOR TO START OF CONSTRUCTION.
 - CONTRACTOR SHALL INSTAL ELECTRICAL CONNECTIONS OF DISSIMILAR METALS.
 - CONTRACTOR SHALL ROUND UP ALL DIMENSIONS TO SPECIAL EQUIPMENT ACCORDING TO MANUFACTURER'S SHOP DRAWINGS AND MAKE FINAL CONNECTIONS. ALL DIMENSIONS SHALL BE VALUED TO ALL VACUUM BREAKERS WHERE REQUIRED BY CODE.
 - PROVIDE REDUCED PRESSURE ZONE BACKFLOW PREVENTERS FOR DOMESTIC WATER SUPPLY CONNECTIONS AS REQUIRED BY CODE.
 - ALL BELOW GRADE/SLAB PEK PIPING SHALL BE PLACED WITHIN POLYETHYLENE PLASTIC SLEEVING. EXTEND SLEEVING ABOVE GRADE/SLAB.
 - CONTRACTOR SHALL REFER TO PLUMBING DRAWINGS FOR EXACT LOCATIONS OF FLOOR DRAINS (IF ANY) LOCATED WITHIN TOILET ROOMS.
 - PRESSURE REGULATING VALVES SHALL BE INSTALLED ON BRANCH LINES SERVING FIXTURES AND/OR EQUIPMENT WHEN THE PRESSURE IN THE LINE EXCEEDS 80 P.S.I.
 - COORDINATE EXACT LOCATION OF FLOOR DRAINS FOR HVAC EQUIPMENT WITH MECHANICAL CONTRACTOR. CONDENSATE PIPING SHALL NOT DISCHARGE INTO SANITARY SYSTEM.
 - ROUTE WATER LINES TIGHT TO STRUCTURE. COORDINATE ROUTING TO AVOID CONFLICTS WITH OTHER DISCIPLINES.
 - IF THE intent OF THE DRAWINGS AND/OR SPECIFICATIONS IS MORE THAN ONE INTERPRETATION, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER IN WRITING BEFORE THE SUBMISSION OF BIDS. THE ARCHITECT/ENGINEER SHALL MAKE CORRECTIONS AND/OR PROVIDE EXPLANATION IN WRITING. PLANS AND SPECIFICATIONS ARE INTENDED AS A GENERAL DESCRIPTION OF THE WORK TO BE PERFORMED. ALL ITEMS NOT SPECIFICALLY MENTIONED OR SHOWN, BUT NECESSARY FOR THE COMPLETION OF THE INSTALLATION, SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. THE CONTRACTOR SHALL ACQUAINT HIMSELF WITH THE MECHANICAL, ARCHITECTURAL, STRUCTURAL, AND ELECTRICAL PLANS PRIOR TO SUBMITTING HIS FINAL BID. NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO CONTRACTOR'S FAILURE TO FAMILIARIZE HIMSELF WITH THE PLANS.
 - THE CONTRACTOR SHALL BASE HIS PROPOSAL UPON THE EQUIPMENT AS SCHEDULED OR SPECIFIED. USING THE MANUFACTURERS AND EQUIPMENT SPECIFIED ON THE DRAWINGS. IF MORE THAN ONE MANUFACTURER IS SPECIFIED FOR ONE ITEM, ANY ONE OF THE MANUFACTURERS LISTED MAY BE USED IN THIS CONTRACTOR'S PROPOSAL. IF THIS CONTRACTOR WISHES TO USE EQUIPMENT NOT SPECIFIED, HE MUST AT THE TIME OF BIDDING SUBMIT SEPARATELY ON LETTERHEAD STATIONARY OF THE BIDDER, THE EQUIPMENT HE WOULD SUBSTITUTE AND THE COST TO BE ADDED OR TO BE DEDUCTED FROM HIS PROPOSAL.
 - THE CONTRACTOR IS EXPECTED TO ORDER ALL MATERIALS IN SUFFICIENT TIME TO AVOID DELAYING THE COMPLETION OF THE PROJECT. DELAY IN DELIVERY WILL NOT BE CONSIDERED A JUSTIFIABLE REASON FOR SUBSTITUTION OF MATERIALS.
 - DO NOT PENETRATE WALL FOOTINGS WITH PIPING. COORDINATE WITH GENERAL CONTRACTOR TO DROP FOOTINGS AS REQUIRED TO CLEAR PLUMBING SERVICES WHERE ABSOLUTELY NECESSARY. ALL PIPING PENETRATING A BEARING WALL OR FOOTING MUST BE SLEEVED AND LOCATED APPROVED BY STRUCTURAL ENGINEER.
 - REFER TO PLANS FOR VENT THRU ROOF (VTR) PIPE SIZES AND LOCATIONS. LOCATE VTR A MIN. 10' HORIZONTAL FROM ANY BUILDING OPENING OR FRESH AIR INTAKE. EXTEND VTR 12" ABOVE ROOF SURFACE. IF 10' DISTANCE CANNOT BE ACHIEVED LOCATE VTR 2' ABOVE ADJACENT TOP OF FRESH AIR INTAKE OR BUILDING OPENINGS. PROVIDE 1" FIBERGLASS INSULATION WITH ALL-SERVICE JACKET ON VENT PIPE INSIDE BUILDING WITHIN 6' OF VTR LOCATION. VERIFY FLASHING AND COUNTERFLASHING AND COORDINATE INSTALLATION WITH ROOFING CONTRACTOR.

Order

1925 Prospect Ave.
 Orlando, FL 32814
 (407) 638-1100
 (407) 638-9101
 www.wawadp.com

WAWA
 Architects Engineers Planners

PROJECT NAME
WAWA
 260 W. BALTIMORE PIKE
 WAWA, FL 32803

CLIENT NAME
WAWA
 260 W. BALTIMORE PIKE
 WAWA, FL 32803

PROJECT NO.
WAWA U45-FB-VAM v2017 01

STORE #
#6661-S10
 Newtown Rd. & Stony Point St.
 Norfolk, VA

SHEET TITLE
PLUMBING SCHEDULES

No.	Description	Date
2/10/18	PERMIT SET	05/11/2018
05-1-18	PRE-BID REVIEW SET	01/09/2019
05-1-18	BID SET	01/29/2019

PROJECT NO.
 2/10/18

DATE
 05-1-18

DRAWN
 JJ

CHECKED
 JJ/DFK

P6