

PLUMBING CRITERIA: BASIC MATERIALS & METHODS

PC #	R#	Description	Check Off
01	1	GENERAL: Provide a complete plumbing system, left in proper working order. Provide herein means installed completely, including labor & materials.	
02	2	INCLUSION: The Plumbing work is portion of the overall project requirements and as such shall comply with the conditions and requirements of the General Conditions, Supplementary Conditions and all applicable requirements of the overall project.	
03	3	CODES, UTILITIES, REGULATIONS: Secure & pay for all fees, licenses, permits, inspections. Meet & comply with all Federal, State, County & City Codes.	
04	4	CONTRACTOR LICENSES- This contractor shall be licensed for this work and shall provide copies of licenses, business licenses, bonding limits, and insurance coverage. The contractor's field personnel shall be under direct supervision of a licensed plumber(s).	
05	5	COORDINATION: This contractor is responsible for coordinating with all other trades for the proper installation of this work, maintaining required clearances. Confirm & coordinate, in writing with electrical trade the electrical characteristics and power requirement of item requiring power, prior to finalizing equipment order.	
06	6	MANUFACTURERS, ALTERNATES & SUBSTITUTIONS: Components & products are to be provided matching the prescribed characteristics, features, performance, types, etc. based on the Manufacturer & Series as given. NO After-Bid Alternates, Changes Or Substitutions Accepted Or Allowed. Prior-to-Bid Request For Acceptance Must Be Submitted NO-LESS Than Two-Business-Weeks Prior To Bid Date And Must Include Complete, Marked Product Data Indicating Full Matching Compliance. Any Variations Must Be Marked & Noted. Acceptance Will Be At The Discretion Of The A/E/Judgment.	
07	7	SUBMITTALS: Provide complete submittals on Contractor qualifications, all items, equipment, products, etc. For review, prior to finalizing orders. Submit a minimum of three sets, more if required by the General Conditions.	
08	8	PROVISIONS TO BE INCLUDED: Labor, supplies and materials, tools, equipment, etc.; material shipping, delivery, receiving, storage, & protection; installation of all Mechanical equipment & connections; coordination with other trades.	
09	9	MATERIALS: All materials shall be new, currently manufactured, UL labeled, and meet all industry standards. Label all equipment. Provide 3000 PSI class concrete for bases and backfill. Provide 3/4" thick A/D rebar standard grade backboards. Provide all support hardware. Paint all material exposed to view as directed by architect.	
10	10	CUTTING / TRENCHING / PATCHING: Contractor shall provide for all necessary cutting, trenching, backfilling & patching related to this work. Backfill to 95% compaction. Patch & finish to match original conditions. Contact "Call-Before-You-Dig" services prior to any excavation work.	
11	11	FIRE & SMOKE SEALS: Provide fire / smoke seal of each penetration of any rated barrier.	
12	12	EQUIPMENT & CONTROLS: All equipment shall be factory pre-wired complete, and provided with equipment disconnect, starters, over-load relays, etc. including all controls and low-voltage wiring. All equipment motors shall meet current energy efficiency requirements. Provide all control and interlock wiring.	
13	13	EQUIPMENT SUPPORT, CLEARANCES & ACCESS: Equipment shall be properly supported as instructed by the manufacturer. Provide vibration isolation devices for each item. Equipment shall be located to maintain proper clearances and required access. Verify and coordinate prior to installation.	
14	14	SEISMIC REQUIREMENTS: All Supports to be per the seismic zoning requirements.	
15	15	WORKMANSHIP: Install all work in a coordinated, organized, neat & professional manner.	
16	16	STRUCTURAL COORDINATION: Review & coordinate with the structural conditions prior to the start of any work. Any attachments, welding and/or cutting of the building structure must first be approved, in writing, by the building structural engineer. Locate slab penetrations to avoid conflict & damage. Sleeve & seal each penetration.	
17	17	ROOF PENETRATIONS: Roof modifications shall be by the building owner's designated roofing installer / supplier to maintain the roofing warranty. Provide all necessary components (curbs, pitch pockets, etc.) and pay all related costs for a complete installation.	

PLUMBING CRITERIA: PIPING SYSTEM GENERAL

PC #	R#	Description	Check Off
01	1	DIAGRAMMATIC DRAWINGS: Drawings are diagrammatic to indicate the intended requirements for the Plumbing system. Every fitting & detail is not necessarily indicated. The contractor shall provide for and install all for a complete and properly functioning system(s) in a professional manner. All work shall be installed so that working panels are accessible for service.	
02	2	ACCESS PANELS: Provide flush mounted hinged cover access panels for access to any concealed valves, devices, or other components requiring maintenance, adjustment, etc.	
03	3	FIRE STOP: The contractor shall review the architectural & structural drawings and provide UL listed Fire-Stop at each fire rated barrier, in accordance with labeling, to match the barrier rating (at minimum) and where required by the AHJ. Provide access to any concealed unit.	
04	4	GENERAL PIPING: All piping work is to be concealed unless otherwise indicated. Contractor shall coordinate and field verify exact duct routes and clearances prior to fabrication. Provide for modifications to adjust to field conditions and maintain proper flows & pressures. Any piping in courtyards & cabinet work shall be located out-of-the-way to the rear & well secured. Coordinate fully with the Archt / Cabinet Manuf.	
05	5	EXPOSED PIPING: Any exposed piping shall be protected from physical damage. All piping exposed below sinks, lavatories, etc. shall be insulated & protected in accordance with ANSIF ADA requirements utilizing McGuire ProWrap, TrueBro Inc. or equivalent.	
06	6	STUB-UPS & OUTS: Field coordinate the final exact location of each stub-up and stub-out location prior to rough-in. Floor slab penetrations shall be sleeved & sealed. Coordinate sloping of floor to drains with Archt & Gen. Contractor. All floor drains, floor sinks, clean-outs etc. shall be flashed to the waterproofing membrane and sealed.	
07	7	PIPING SUPPORT: Utilize pipe hangers & supports with wide saddles to avoid crushing insulation. Each wall penetration shall have wall sleeve. Install chrome-plated escutcheons at each stub-out to fixtures, etc. Any penetrations to exterior shall be waterproof.	
08	8	PIPING INSULATION: Insulate all CW, HW, P-Traps, insulated all Waste & all piping exposed to unconditioned environments. Insulation shall be UL / FM tested & labeled FRC with a maximum rating of 25-Fire-Resistance & 50-Smoke-Fiber-Free. Insulation to be Closed-Cell, Non-Wicking foam. Green Certifed for radon-reducing. Coordinate with mold-resistant Microban-Antimicrobial protection. Insulate all CW, HW, P-Traps and Waste / Soil piping exposed to unconditioned environments. Piping Under 1/2" shall use Amasuel AP Armaflex W with Armaflex ProFire Resisive Insulation (1/2" minimum use), 1.5 inch Thick Insulation For All Pipes Through 6" inch Thick For All Pipe Diameters Above 1.5 inch. Piping For 120F or Higher shall use Armaflex-NH.	
09	9	INSULATION JACKETS: All piping exposed in finish areas, exposed in industrial process areas, exposed in space shafts, etc. shall be protected with Flame-Spread of 25 or less, Smoke-Development of 50 or less, Weather-Resistant Glass Finish. Utilize Johns Manville CRELCO or approved equivalent.	
10	10	PIPING MATERIALS: Utilize the manufacturer for all piping of the same type material. All fittings and related components & materials shall be per the piping manufacturer's written data. Handle, store & install per the manufacturer's written data.	
11	11	TURN AIR PLENUMS: ABS / PVC / CPVC piping product can not be used in under-air plenums.	

PLUMBING CRITERIA: SOIL-WASTE-VENT PIPING SYSTEMS

PC #	R#	Description	Check Off
01	1	BASIS OF DESIGN: The Soil Waste & Vent piping design is generally based on 1/4 inch Per Foot Slope, Smooth Pipe.	
02	2	UTILITY COORDINATION: Prior to start of work, coordinate & verify in writing, the utility tie-in, location, size(s), invert, etc. Copy to Owner, Architect & Engineer.	
03	3	IN-GRADE & IN-SLAB S&W - Service weight cast iron with hub & spigot joints, or where permitted by code, Schedule 40 DWV PVC pipe utilizing manuf. approved fittings and solvents.	
04	4	ABOVE-GRADE S&W - Hubless cast iron pipe with positive-seal, one-piece elastomeric compression type gasket no-hub fitting with stainless steel clamps. Schedule 40 DWV PVC pipe with manuf. approved fittings and solvents may be utilized in non-ferrous air environments, where allowed by code & written owner approval.	
05	5	VENTING (V) - Hubless cast iron pipe with positive-seal, one-piece elastomeric compression type gasket no-hub fitting with stainless steel clamps or Plenum-Rated Schedule 40 DWV PVC pipe with manuf. approved fittings and solvents may be utilized where allowed by code & written owner approval.	
06	6	CAST IRON PIPE - NoHub/ Hubless pipe & matching components. Pipe shall comply with ASTM A-888, CSIP1301, IAPMO Listed, ISO 9301-2002, Coupling shall be stainless steel type complying with ASTM C-1277 (Standard) & ASTM C-1540 (Heavy Duty).	
07	7	DWV PVC PIPE & FITTINGS (140F Max) - PVC Schedule 40 Solid Wall Pipe, conforming to NSF 14, 1264-4 class per ASTM D-1784, Iron Pipe size per ASTM D-1785 & D-2685, Fittings per ASTM D-2665. Note: PVC cannot be utilized in rebar / environmental air plenums.	
08	8	DWV-CPVC PIPE & FITTINGS (200F Max): CPVC (Chlorinated Poly-Vinyl Chloride) ASTM D2864, D2868-06, F441, F442, CSA-B137.6, SDR- 11 (Standard Dimension Ratio), NSF/ANSI-14 & 16 Compliant, AWWA-C901-02, 200F Max. Service Temperature; Environment-Air Plenum Rated (UL-94 Flammability Rating, <10 Flame-Spread-Index; <25 Flame-Spread); <50 Smoke Generation).	
09	9	P-TRAPS - Provide each fixture, drain, etc. with a P-trap in accordance with the code. Utilize chrome-plated, joined P-Traps where exposed under fixtures, etc.	
10	10	CLEAN OUTS - Provide clean outs as shown and / or required by code. Utilize flush-in-floor or wall type, cast, water & gas tight, with Nickel-Bronze cover & plug.	
11	11	FLOOR DRAINS - Where shown or required, general service, light duty (LND) Nickel-Bronze or, adjustable height lead, with drain grid, strainer & sediment bucket. Flush mount in floor. Provide ProSeal Trap-Guard in each drain (LND).	

PLUMBING CRITERIA: POTABLE WATER DISTRIBUTION GENERAL

PC #	R#	Description	Check Off
01	1	BASIS OF DESIGN: The Potable Water Distribution System piping design is generally based on a 80 PSI Working Water Pressure & Smooth Piping. The piping routing is diagrammatic only and contractor is responsible for final exact mounting & routing within the project constraints.	
02	2	WATER DISTRIBUTION GENERAL - All materials shall be approved for Potable Hot & Cold Water Service. Utilize "No Lead" components, materials, fittings, etc. NSF Compliant. Piping sizing is based on a flow-rate of approximately 8.0 F/Per-Second (4.0 In Size & Smaller CU Pipe), 5.0 F/Per-Second For PVC Piping.	
03	3	UTILITY COORDINATION: Prior to start of work, coordinate & verify in writing, the utility connection, metering, location, size(s), invert, pressure, etc. Copy to Owner, Architect & Engineer.	
04	4	PRESSURE REDUCTION / BACK FLOW PREVENTION - Provide adjustable Pressure Reduction Valve & Back Flow Prevention valve on each incoming water supply. Sized for required pressure & flow. PRV valve shall be adjustable and have strainer. BFP valve shall be UL / AWWA listed, double-gate type.	
05	5	SLEEVES: Provide Pipe-Sleeves in slabs, walls, etc. where piping pass through NON-FIRED-RATED barriers.	
06	6	FIRE-RATED SLEEVES: Provide Rated Fire-Stop-Pipe-Sleeves in slabs, walls, etc. where piping pass through Fire-Rated barriers to match the barrier Fire-Rating.	
07	7	PRESSURE & TEMPERATURE GAUGES - Stainless steel case & ring with balanced adjustable pointer & brass socket, 4.5 inch dial with piston type pressure snubber and brass needle valve, 0 - 200 PSI for utility water service, 0 - 100 PSI for water distribution piping. Temperature gauges shall be adjustable angle type with red pointer & contrasting temperature scale.	
08	8	VALVES - Provide line size, brass or bronze body gate valves, rated for 125 PSI shell, water pressure. Crane, Nibco or Hammond. Tag or label each valve.	
09	9	SHOCK ABSORBERS - Sized & installed per P.D.I. Standards.	
10	10	FIXTURE CONNECTIONS - Provide chrome escutcheon & chrome shut-off valve with stainless steel flexible tubing, with slack, for each fixture pipe connection.	
11	11	HOSE BIBBS - Utilize brass or bronze body, with bronze interior components, replaceable seat & seal, and vacuum breaker hardware. Location subject to freezing shall be non-freeze wall hydrant type.	
12	12	PRESSURE TESTING - Each piping system shall be pressure tested with water, per piping manufacturer, before insulated or concealed, at 125 PSI for 2 Hours with NO pressure loss. Copy test results to AHJ, Owner, Architect & Engineer.	
13	13	DISINFECTING - Each piping system shall be disinfected in accordance with the code, then flushed clean. Each fixture shall be cleaned prior to rough-in piping. A water sample for the farthest outlet shall be taken & tested by an independent lab to certify the water quality. Send copies of test result to AHJ, Owner, Architect & Engineer.	
14	14	MISC. HARDWARE: Refer to the schedule for other items & criteria.	

PLUMBING CRITERIA: POTABLE WATER DISTRIBUTION CU PIPING

PC #	R#	Description	Check Off
01	1	COPPER (CU) PIPING: BASIS OF DESIGN: The Basis-Of-Design is Based On Utilizing A "Lead-Free" Smooth Copper Piping System. Piping sizing is based on a flow-rate of approximately 8.0 F/Per-Second (4.0 In Size & Smaller) And A Maximum Working Pressure Of 80 PSI At Follows.	
02	2	COPPER (CU) PIPING STANDARDS: All CU Hot & Cold Water Piping & Components shall be Seamless Copper Water-Pipe ASTM-B88, "Lead-Free"; NSF / ANSI-61 Listed; Fitting & Connectors shall be ASME B16- 18 / 22 / 26 / 50. Solder shall be "No-Lead" ASTM-B75, B88, B251 & B447. Types As Follows.	
03	3	BELOW-GRADE CU WATER PIPING: Utilize ASTM B-88 Type L annealed temper copper tubing, seamless & joint-less.	
04	4	IN-SLAB CU WATER PIPING: Where any piping is in-slab or in direct contact with concrete, masonry materials, or other corrosive materials, utilize ASTM B-88 Type-L, annealed temper copper tubing, seamless & joint-less and apply a Corrosive Inhibitant Coating on all such piping.	
05	5	ABOVE-GRADE CU WATER PIPING: Utilize ASTM B-88 Type M Hard Temper, copper tubing with soldered, brazed or flared joints & ASME B16- 18 / 22 / 26 / 50 fitting & connectors. Any copper-to-steel connections shall utilize insulation unions. Fitting shall be cast iron or wrought iron & approved for the purpose.	
06	6	OTHER WATER PRESSURE & TEMPERATURE CONDITIONS: Where the Working Pressure (PSI) Exceeds 80 PSI and / or above 140F Hot Water, Utilize specific piping systems as prescribed or required for the application. PVC piping not allowed.	

PLUMBING CRITERIA: PROJECT CLOSE OUT

PC #	R#	Description	Check Off
01	1	PIPE DISINFECTING: Disinfect each piping system in accordance with the code, then flush clean. A water sample for the farthest outlet shall be taken & tested by an independent lab to certify the water quality. Send copies of the test results to the AHJ, Owner, Architect & Engineer.	
02	2	CLOSE-OUT / INSPECTIONS: This contractor shall assist with on-site reviews of this work. At completion of the project, demonstrate in the presence of the Owner / Tenant, Architect & Engineer to proper operation of all components, systems, devices, etc.	
03	3	OPERATIONAL TRAINING: Review & Train User in Proper Systems Operations As Relates To The Plumbing Equipment, Components & System.	
04	4	MAINTENANCE TRAINING: Train User To Regularly Check & Maintain Any Water Filters, Treatment & Related Systems To Maintain Proper Water Quality.	
05	5	RECORD DOCUMENTS: Provide A "Paper-Hard-Copy" & Two CDs Each With PDFs Of Same, Of The Field-Record-Drawings & Documents That Have Been Clearly & Legibly Marked To Accurately Indicate The Actual Field Installed Work, Including, But Not Limited To, Piping Routes & Locations, Sizes, Etc.	
06	6	WARRANTY: This contractor shall warrant all materials, labor & installation for one full year from date of Certificate of Occupancy. Any extended product warranties shall be passed onto the owner.	

PLUMBING TYPICAL ABBREVIATIONS

AC	FA	FR	NFHB	Non-Freeze Hose Bib	
AUTO	Automatic	FCO	Floor Clean Out	NIC	Not In Contract
AFC	Above Finished Ceiling	FCU	Fan Coil Unit	PKL	Panel
AFF	Above Finished Floor	FD	Fire Dram	PROT	Protect
AP	Access Panel	FH	Free Hydrant	PRV	Pressure Reducing Valve
BC	Balancing Cock	FHP	Fractional Hp	P&T	Pressure & Temperature
BFC	Below Finished Ceiling	FIXT	Fixture	QTY	Quantity
BLDG	Building	FS	Floor Sink	RD	Roof Drain
BV	Ball Valve	FT	Foot or Feet	RW	Rain Water
CB	Catch Basin	G	Gas	S	Stack / Sanitary
CI	Cast Iron	GC	Gas Cook	SA	Shock Absorber
CO	Clean Out	GH	Ground Hydrant	SCHD	Schedule
CONN	Connect	GRND	Ground	TB	Thrust Block
CLG	Ceiling	GV	Gate Valve	TE	To Elevation
CTR	Center	HD	Hub Drain	THRU	Through
CV	Check Valve	HP	Horse Power	TYP	Typical
CW	Cold Water	HTR	Heater	UG	Under-Ground
DFU	Drainage Fixture Unit	HW	Hot Water	UNO	Unless Noted Otherwise
DISTB	Distribution	HWK	Hot Water Return	V	Vent
DIA	Diameter	HPU	Heat Pump Unit	VTR	Vent Through Roof
DN	Down	INV	Invert Elevation	W	Waste
DP	Drop	KVA	Kilo-Volt-Amperes	WCO	Wall Clean Out
DS	Down Spout	KW	Kilo-Watts	WH	Wall Hydrant
DWGS	Drawings	LT	Liquid-Tight	WHA	Water Hammer Arrestor
ECO	Exterior Clean Out	MANUF	Manufacturer	WP	Waterproof
EMG	Emergency	MH	Man Hole	WV	Water Vent
EXIST	Existing	MIN	Minimum		
		MTD	Mounted		

Forest Park Main St Restrooms

19-102	19-102	
01	CONSTRUCTION: The Project Is All New Construction Work	CO
02	UTILITY SERVICES: Field Verify, Locate & Confirm The Utilities & Each Capacity & Size, Prior To The Start Of Any Piping & Work	
03	WATER SUPPLY COORDINATION: Prior To Any Work, Coordinate & Verify In Writing The Water Supply Source, Metering Arrangements, Slab & Flowing Water Pressure, Flow Rate & Water Temperature, Distribute Copies To The Owner, Architect & Engineer.	
04	WASTE-SEWER INVERT & SLOPES - Prior To Any Work, Establish The Inverts For Each Tie-In & Connections, Review & Determine The Required Slopes For All Drainage Piping & Establish The Required Slope For Each Drain Line To Meet Or Exceed Code Requirements.	
05	NO SPECIAL CONDITIONS, EQUIPMENT, PROCESSES OR SYSTEMS: To The Best Of Our Knowledge, This Project Has No Conditions, Equipment, Processes Or Systems That Require Any Special Piping, Interceptors, Treatment, Etc.	
06	OWNER-TENANT-USER PRODUCTS: It Is Our Understanding That No Hazardous Environments Or Product Requiring Special Handling, Treatment, Etc. Are Involved. Any Hazardous Products, Use, Etc. Are Sealed & Stored & Properly Used So As To Not Require Special Environmental Conditions.	
07	OWNER-TENANT-USER RESPONSIBILITY: To Review & Train In Proper Systems Operations & Maintenance As Relates To The Plumbing Equipment, Components & System.	
08	OWNER-TENANT-USER RESPONSIBILITY: To Regularly Check & Maintain Any Water Filters, Treatment & Related Systems To Maintain Proper Water Quality.	

PLUMBING FIXTURE SCHEDULE  
PLUMBING EQUIPMENT SCHEDULE  
PLUMBING FIXTURES, HARDWARE & MISC. SCHEDULE

Proj	Loc	For	Date	Status
Forest Park Main St Restrooms	Forest Park, GA 30287	Joel Aviles Architects, LLC	19.02.01	NA

Tag ID	Generic Description	Plumbing Fixture Characteristics, Features, Details	Faucet Set Or Line Sizes	Manufacturer & Model Series	Item Nts	R#
PF 01	Lavatory ADA, Wall Hung, Rect 20P, 21W, 6.5D	Vitreous China With Ever-Clean, Bowl With Semi-Pedestal P-Trap Cover, Self-Draining Deck, Matching Carrier, Overflow, ASME A112.19.2, ADA Protective Shield	FS-01	American Standard Murrossa 5-B Series		
PF 02	Water Closet Wall-Hung; Flush-Valve; Elongated; ADA & Water-Sense	ADA 18" H. Elongated Toilet, Antimicrobial Vitreous China, Flush Valve, Wall-Hung With Matching Carrier, ASME A112.19.2, Heavy-Duty Open-Front Soft-Close Seat W/ Lid, Water-Sense 1.28 GPF Max	FS-02 & 4.0"W	American Standard ADA 18" Elongated Toilet 7550TJ Seat		
PF 03	Four, Outdoor Pedestal Type, Freeze Resistant Valve-System, ADA 1-Bowl Water Fountain, 12-Gauge Corrosion & Scratch Resistant Housing, 18 Gauge 304-SS Bowl, Vandal-Resistant Features, Filtered, Legion Bacteria Free, NSF 61, In-Situ Jug-Filter & Pet Fountain Custom Color Finish, Archt / Owner, Provide Concrete Pad, Install & Insulate	Outdoor Pedestal Type, Freeze Resistant Valve-System, ADA 1-Bowl Water Fountain, 12-Gauge Corrosion & Scratch Resistant Housing, 18 Gauge 304-SS Bowl, Vandal-Resistant Features, Filtered, Legion Bacteria Free, NSF 61, In-Situ Jug-Filter & Pet Fountain Custom Color Finish, Archt / Owner, Provide Concrete Pad, Install & Insulate	1.25" x 1.5" x 1.25"	American Standard Heritage 1340 Filter Metering Faucet & Power LFLM495 Mix Valve		

Tag ID	Generic Description	Faucet Set & Related Hardware Description	Line Sizes	Manufacturer & Model Series	Item Nts	R#
FS 01	Faucet, Deck Mt, Pler Metering Long Spout, Vandal Resistant, ADA & Water-Sense	Chrome-Plated, Lead-Free Cast Brass, Push-To-Action, Pressure Compensating, Ceramic Disc Valve, Adjustable Flow Rate, Matching Supply Hose, In-Situ Jug-Filter & Pet Fountain Custom Color Finish, Archt / Owner, Provide Concrete Pad, Install & Insulate	0.5"W, 1.25"W	American Standard Heritage 1340 Filter Metering Faucet & Power LFLM495 Mix Valve		
FS 02	Consolation, F.V. ADA, Water-Sense 1.28	Consolation, Flush-Valve, Remote Hydraulic Push-Button Operation, Brass Acton, Copper Diaphragm, Non-Hold-Open, High-Press Vacuum Breaker, Includes Matching Fixture Wall-Push-Button; Water-Sense 1.28 GPF Max	1.0" IPS CW	Sloan Hydraulic 953-1.28 Series, Verily Tube Lengths; HY-33-A Push-Button		

Tag ID	Generic Description	Plumbing Hardware & Misc. Characteristics, Features, Details	Ratings	Manufacturer & Model Series	Item Nts	R#
CO	Clean-Out, Flush-In-Floor, Sq Top	Clean-Out, Flush-In-Floor, Pre & Post Pour Adjustable Height, Gas & Water Tight Seal, Match Piping Material; ASME A112.36.2M	Light Duty 2000#	JR Smith 4000 Series Or Equal Josam, Wade, Zurn		
CO	Clean-Out, Flush-In-Grade	Clean-Out, Flush-In-Grade, Flange Trim, Pre-Post Pour Adjustable Height, Gas & Water Tight Seal, Match Piping Material; ASME A112.36.2M	NA	JR Smith 4000 Series Or Equal Josam, Wade, Zurn		
FD 1	PVC Floor Drain, 09 OD, 06 Sq Grid Top	Light-Duty, High-Impact PVC Body, Square Grid Nickel Bronze Top, Adjustable Height, Strainer Sediment Bucket + Matching Trap-Seal	Light Duty 1000#	JR Smith 200 Series + Trap-Seal, Equal By Josam, Wade, Zurn		
1GB	In-Grade Box (With Plum. Items As Shown Or Required)	Valve Box With Shut-Off, BFP & PRV, Flush-In-Grade/ Slab Utility Grade Box, High-Density Polymer-Concrete Body, Bolt-Down Flush-Top With Label, Size As Shown Or Required. Coordinate Exact Final Details & Location With Archt, GC & Other Trades Prior To Any Rough-Ins. Install Plumbing Items As Shown Or Required.	ANSI-SCTE-77, Tier-15 Rated; 28" W x 40" x 14" H (OAS)	Oldcastle FRP Series		
SAX	Shock Absorber, Water Hammer Arrestor	Shock Absorber / Water Hammer Arrestor, S.S. W Threaded Nipple & Compression Chamber, Sized Per Plumbing & Drainage Inlets (PDI) Standards (# = Sizes A-F)	Sizes A Thru F As Shown - #C-26	JR-Smith 5005-5050 Series; Equiv. By Josam Wade, Wals Or Zurn		
VBF	Valve- Back-Flow Prevention	Lead-Free, Reduced Pressure Zone Assembly; AWWA C-511-92, SBCCI, IAPMO Listed For Health Hazards (If Not Provided By City Water Supplier)	0.75-2.0 In. Size To Match Line Size	By Owner & Local Water Provider Utility (Otherwise > Wals Regulator LF-223-S Series		
VPR	Valve- Pressure-Reducing	Lead-Free, High Capacity PRV With Strainer; ANSI A112.26, SBCCI, M&V-18146B, IAPMO Listed	0.75-2.5 In. Size To Match Line Size	Wals Regulator LF-223-S Series		
WBV	Wall Box - Vent Flush Wall Mt	Louvered-Face Vent-Box To Allow Free Air Flow In & Out Of Box, Removable Metal Front Cover. Coord. Custm-RAL Color-Finish & Mtg. With Archt & GC, Mount As High As Possible.	Size As Shown	Oatey Sure-Vent Access Box & Panel (39010) Or Greenheck Or Equal.		
WHA	Instant Wt Hr Electric, Hi-Capacity	Instantaneous Water Hr, ADA, UL, IAPMO, Micro-Processor Self-Regulating Temp-Control, NAEAC/DOE Tested, UL Label, 0.35-GPM Activation, VR-Cast Al Housing, 1-Phs. Adjustable-Temp (ADJ), Remote 0, Low-Flow/Low-Pressure(LLP), Multiple-Lavs (FLP)	1 0 GPM @ 288-V, ADJ, R, LLP, FLLP Or 8.0 KW/240V	Chronomite E-Series E-Amp-L-288-V, ADJ, R, LLP, FLLP Or Equivalent		

Item Specific Notes:		
1	NA	
2	NA	


  

General Notes & Comments Applicable To All:		
G1	Provide Complete With All Related Components, Mounting, Hardware, Etc. For A Complete & Properly Functioning Installation.	
G2	Prior To Ordering Field Verify Actual Conditions, Materials, Dimensions, Finishes & Related Details.	
G3	Refer To Architectural / Interiors Plans For Exact Fixture Data, Locations, Mounting, Finishes & Related Details.	
G4	Provide & Install products Per UL / ANSI / NSF In Accordance With Their Labeling.	
G5	All Products Shall Be Certified "Lead-Free" Per ANSIF NSF 61.	
G6	All Products Shall Be Certified & Labeled As "Water-Sense High-Efficiency" Per US-EPA.	
G7	Field Coordinate & Verify All Line & Drain Sizes Prior To Ordering Any Materials.	
G8	Prepare & Submit Complete Product Submittal On Each Item, Provide Shop Drawings For Fabricated Items.	
G9	FBO / IBC = Furnished By Owner / Installed By Contractor.	

Base & Alternate Manufacturers:		
A1	Make & Model Refer To The Manufacturers Series Only. The Contractor Is To Provide Complete Assembly & All Related Components.	
A2	Base Price - Provide As Specified Based On The Manufacturer's Model Series As Scheduled.	
A3	Alternate Manufacturer Pricing - Items Of Same Characteristics, Performance & Ratings; Proposed As Add / Deducts To The Base Price.	


ARCHITECT



JOEL AVILES ARCHITECTS  
ARCHITECTURE / PLUMBING / RENDERINGS  
120 N. McDonough Street, Marietta, Georgia 30066  
Tel: 404.476.7865 email: joel@joelaviles.com  
Fax: 770.476.9269 www.joelaviles.com

745 Forest Parkway  
Forest Park, GA 30287

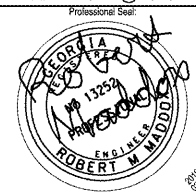
Consultant



THE MADDOX GROUP  
DESIGN & ENGINEERING  
9309 Seminole Road  
Jonesboro, GA 30236  
770-471-9076  
maddoxgroup@comcast.net

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Mechanical

Notes

VRAM-CD	Action-Issue-Rev Description	Rev #
	Action-Issue-Rev Description	
	Project & Address	

**MAIN STREET RESTROOMS**

Main Street & College Street  
Intersection  
Forest Park, Georgia

Drawing Title:

**PLUMBING CRITERIA**

Drawing Status:

**Released For Construction**

Scale: As Shown Project #: TMG# 19.102  
Drawn By: TMG Comm Date: 2019.01.15  
Reviewed By: TMG Stamped: 2019.02.01

Project #

**P-0.1**