



225 MARKET STREET, SUITE 301  
NEW YORK, NY 10014

CONCORD  
NORTH CAROLINA

submission:	Date
OWNER/LL REVIEW	11/01/2018
BID SET	11/01/2018
PERMIT SET	11/01/2018

#	Description	Date
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PLUMBING SCHEDULES  
**P600**

ID	DESCRIPTION	MANUFACTURER	MODEL	MATERIAL DESCRIPTION	FINISH	PIPE CONNECTIONS				SPECIFICATION	REMARKS
						WASTE ROUGH-IN PIPE SIZE	VENT ROUGH-IN PIPE SIZE	COLD WATER ROUGH-IN PIPE SIZE	HOT WATER ROUGH-IN PIPE SIZE		
GI-1	LARGE CAPACITY GREASE INTERCEPTOR	PRECAST	PRECAST		CONCRETE					150 GALLON CAPACITY. PROVIDE WITH SAMPLE BOX. ALL COVERS SHALL BE TRAFFIC RATED HEAVY-DUTY. GREASE INTERCEPTOR SHALL BE RATED FOR AT LEAST 8FT OF EARTH COVER.	
LAV-1	LAVATORY - WALL HUNG - ADA	KOHLER	K-2214	WHITE VITREOUS CHINA	CHROME	1-1/4"	1-1/2"	1/2"	1/2"	UNDER-MOUNT SINGLE FAUCET HOLE SINK 20"x24". KOHLER K-7516-CP SINGLE HOLE METEDED FAUCET. TOUCHLESS HYBRID ENERGY CELL. FLOW RATE 2.5 GPM. ADA & EPA HIGH EFFICIENT COMPLIANT WITH THERMOSTATIC MIXING VALVE. GRID DRAIN. ANGLE STOPS AND SUPPLIES INSULATE WATER AND WASTE WITH TRUEBRO-INSULATION KIT. MOUNT AT ADA COMPLIANT HEIGHT.	1,2,3,4
SW-1	SAMPLE WELL	PARKS EQUIPMENT SERVICES	SWB-1	PRECAST CONCRETE		4"				6" DIAMETER (MINIMUM) SAMPLE WELL - 15" DIAMETER COVER	
WC-1	WATER CLOSET - FLOOR MOUNT - FLUSH VALVE - ADA	AMERICAN STANDARD	MADERA	WHITE VITREOUS CHINA	CHROME	4"	2"	1"		FLOOR MOUNTED 1.1 GPF MADERA ADA SYSTEM WHITE SLOAN ECOS 8111-1/1 1/1 HARD WIRED FLUSH VALVE. AMERICAN STANDARD #5601. 100 SEAT	

- NOTES:
- PROVIDE CHROME PLATED BRASS ADJUSTABLE P-TRAPS AND SUPPLY STOPS AND ESCUTCHEON PLATES AS REQUIRED FOR EACH FIXTURE.
  - NO SUBSTITUTIONS WITHOUT ENGINEER OR ARCHITECT APPROVAL.
  - OTHER MANUFACTURERS OFFERING EQUIVALENT PRODUCTS FOR FLUSHMETER VALVES: DELANEY, SLOAN. MANUFACTURERS OFFERING EQUIVALENT PRODUCTS FOR SEATS: BEMIS, OLSONITE.
  - ALL FIXTURES SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
  - DESCRIPTION OF FIXTURE IN SCHEDULE TAKES PRECEDENCE OVER MODEL NUMBERS. FIXTURE SUPPLIER SHALL PROVIDE REQUIRED ACCESSORIES AND OPTIONS FOR THE INTENDED INSTALLATION AND USE.

Identity Mark	Description	Manufacturer	Model	Specification
BFP-2	DOUBLE CHECK VALVE BFP	WATTS	007-QT	SECONDARY BACKFLOW PREVENTION. DOUBLE CHECK BFP ASSEMBLY WITH 1/2" NPT AND ATMOSPHERE VENT.
CBV-1	CIRCUIT SETTER VALVE	BELL & GOSSETT	LF-CB	CALIBRATED BALANCE VALVE. LEAD FREE CAS. BRONZE BODY. BRASS BALL. CALIBRATED BALANCE VALVE. DIFFERENTIAL PRESSURE. 1/2" NPT PORTS. DRAIN PORT. MEMO. TOP. NAME. 1/2" AND 1/2" VALVE BODY SIZE UNLESS SHOWN OTHERWISE ON PLANS. RANGE TO 2.0 GPM UNLESS SHOWN OTHERWISE ON PLANS AND PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
ET-1	EXPANSION TANK	AMTROL	8T-12C	316 STAINLESS STEEL EXPANSION TANK. POLYPROPYLENE FLEXIBLE BUTYL DIAPHRAGM. AIR CHARGING VALVE. 150 PSI MAXIMUM WORKING PRESSURE. 15 GALLON CAPACITY. 1.5 MAXIMUM ACCEPTANCE FACTOR. 3/4" PIPE CONNECTION. AND INTEGRAL BASE SET TO CHARGE PRESSURE TO MATCH EXISTING WATER SYSTEM PRESSURE.
PRV-1	PRESSURE REGULATING VALVE			LEAD FREE BRONZE BODY. STAINLESS STEEL SEAT. STAINLESS STEEL BOLTS. STAINLESS STEEL INTEGRAL STRAINER. INTEGRAL THERMALLY STABLE. INSULATED. RANGE AND TAPPING. INLET AND OUTLETS SIZE AS SHOWN ON PLANS. 25-75 PSI PRESSURE RANGE. INLET PRESSURE TO 100 PSI.
RCP-1	CIRCULATING PUMP	BELL & GOSSETT	LF-450	IN-LINE PUMP WITH 2800 RPM. BRONZE BODY WITH UNION CONNECTIONS. CAPACITY OF 2 GPM AT 11.5 FT. OF HEAD. PROVIDE ONE INCH 90 DEGREE SURFACE MOUNTED ADJUSTABLE SINGLE POLE DOUBLE THROW SWITCH. 120 VOLT 0-60 FLA.
TMV-1	ASSE 1070 THERMOSTATIC MIXING VALVE	ASSE	LF450	BRASS BODY. LEAD FREE. ASSE 1070 APPROVED WITH LOCK NUT TO PREVENT TAMPERING. INTEGRAL CHECK STOPS. PROVIDE WITH ALL MOUNTING HARDWARE.
TPR-1	TRAP PRIMER	SICKLEWELL	695	AUTOMATIC TRAP PRIMER WITH SIOUX CHIEF 695-040 DISTRIBUTOR FITTING TO PRIME UP TO FOUR DRAINS.
WHA-1	WATER HAMMER ARRESTER	PRESTON	PL-100	PERIODIC WROUGHT COPPER FITTINGS. PISTON TYPE W/ LUBRICATED EPDM O-RING SEALS. ASSE 1010 CERTIFICATION. PROVIDE SIZES "A" THROUGH "F" PER PDI SIZING REQUIREMENTS AND AS SHOWN ON PLANS.

- NOTES:
- ALL DEVICES SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
  - DESCRIPTION OF DEVICE IN SCHEDULE TAKES PRECEDENCE OVER MODEL NUMBERS. FIXTURE SUPPLIER SHALL PROVIDE REQUIRED ACCESSORIES AND OPTIONS FOR THE INTENDED INSTALLATION AND USE.
  - MANUFACTURERS OFFERING EQUIVALENT PRODUCTS: JOSEAM, WADE, ZUKN.

ID	DESCRIPTION	MANUFACTURER	MODEL	MATERIAL DESCRIPTION	FINISH	PIPE CONNECTIONS		SPECIFICATION
						WASTE ROUGH-IN PIPE SIZE	VENT ROUGH-IN PIPE SIZE	
FCO	FLOOR CLEAN OUT	JR SMITH	4051L	CAST IRON	NICKEL BRONZE	4"		CAST IRON BODY. FLASHING FLANGE W/ CLAMPING COLLAR ABS PLUG. AND ADJUSTABLE SECURED. NICKEL BRONZE TOP. EXPOSED ANP. FLUSHED WITH FINISHED FLOOR.
FD-1	FLOOR DRAIN	JR SMITH	2008L	CAST IRON		4"	2"	CAST IRON FLOOR DRAIN WITH CLAMPING COLLAR. ADJUSTABLE 6" ROUND HEEL PROOF NICKEL BRONZE STRAINER.
FD-2	FLOOR DRAIN	JR SMITH	2008L	CAST IRON		3"	2"	CAST IRON FLOOR DRAIN WITH CLAMPING COLLAR. ADJUSTABLE 6" ROUND HEEL PROOF NICKEL BRONZE STRAINER.
FS-1	FLOOR SINK	JR SMITH	3140	EPOXY COATED CAST IRON		3"	2"	12" SQUARE X 6" DEEP SANITARY FLOOR SINK WITH WHITE ACID RESISTANT PORCELAIN ENAMEL COATED INTERIOR. NICKEL BRONZE 1/2" GRATE. WITH GUARDIAN DRAIN LOCK #COL-3000. SEE PLANS FOR SIZING.
FS-2	FLOOR SINK	JR SMITH	3140	EPOXY COATED CAST IRON		3"	2"	12" SQUARE X 6" DEEP SANITARY FLOOR SINK WITH WHITE ACID RESISTANT PORCELAIN ENAMEL COATED INTERIOR. NICKEL BRONZE 1/2" GRATE. WITH GUARDIAN DRAIN LOCK #COL-3000. SEE PLANS FOR SIZING.
FT-1	TRENCH DRAIN - BOTTOM OUTLET	EAGLE	FT-1236-SG	STAINLESS STEEL	STAINLESS STEEL	4"	1-1/2"	SUBWAY-STYLE STAINLESS STEEL GRATING. 6" DEEP STAINLESS STEEL ALL-WELDED DRAIN PAN. ACCOMMODATES UP TO 4" DIAMETER PIPE. REMOVABLE PERFORATED BASKET.

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  - DESCRIPTION OF DEVICE IN SCHEDULE TAKES PRECEDENCE OVER MODEL NUMBERS. FIXTURE SUPPLIER SHALL PROVIDE REQUIRED ACCESSORIES AND OPTIONS FOR THE INTENDED INSTALLATION AND USE.
  - MANUFACTURERS OFFERING EQUIVALENT PRODUCTS: JOSEAM, WADE, ZUKN.
  - DEEP SEAL TRAPS REQUIRED FOR ALL FD AND FS-1 DRAINS.

ID	MANUFACTURER	MODEL NO.	TYPE	TYPE	GAS BURNER				WATERSIDE				REMARKS			
					INPUT	CAP	EFF	STAGES	FUEL	TYPE	PRESS AVAIL	RECOVERY		MAX TEMP	UNIT WEIGHT	VOLT
WH-1	RINNAI	REU-KB03237F-FUD	GAS-FIRED	STAINLESS STEEL	199000 Btu/h	N/A	92.0%	1	NATURAL GAS	0.25 psi	N/A	120 F	62 lb	120 V	1	
WH-2	RINNAI	REU-KB03237F-FUD	GAS-FIRED	STAINLESS STEEL	199000 Btu/h	N/A	92.0%	1	NATURAL GAS	0.25 psi	N/A	120 F	62 lb	120 V	1	

- NOTES:
- INSTALL ACCORDING TO MANUFACTURER RECOMMENDATIONS.
  - SET ADJUSTAT 10 F BELOW WATER HEATER SET POINT.
  - PROVIDE WITH CONCENTRIC VENT KIT.

I.P.S.	F.U. RATING	SIOUX CHIEF	UNIT SIZE	REMARKS
3/4"	1 - 11	652-A	A	P.D.I. CERTIFIED
3/4"	12 - 32	653-B	B	P.D.I. CERTIFIED
1"	33 - 60	654-C	C	P.D.I. CERTIFIED
1"	61 - 113	655-D	D	P.D.I. CERTIFIED
1"	114 - 154	656-E	E	P.D.I. CERTIFIED
1"	155 - 330	657-F	F	P.D.I. CERTIFIED

NOTE: ALL WATER HAMMER ARRESTORS PROVIDED MUST MEET ASSE-1010 REQUIREMENTS.

EQUIPMENT	MEDIUM HAZARD APPLICATIONS (SEE NOTE 1)	HIGH HAZARD APPLICATIONS (SEE NOTE 1 & 2)
ICE MACHINE	WATTS MODEL SD-2	WATTS MODEL 007-QT
COFFEE MAKER	WATTS MODEL SD-3	WATTS MODEL SD-3
ESPRESSO MACHINE	WATTS MODEL SD-3	WATTS MODEL SD-3
DRINK SYSTEM (CARBONATOR)	WATTS MODEL SD-3	WATTS MODEL SD-3
HOSE BIBB	INTEGRAL VACUUM BREAKER	INTEGRAL VACUUM BREAKER
PROOFER	WATTS MODEL SD-2	WATTS MODEL 007-QT
TEA BREWER	WATTS MODEL SD-3	WATTS MODEL SD-3
WATER CHILLER	WATTS MODEL SD-2	WATTS MODEL 007-QT
WATER METER	WATTS MODEL SD-2	WATTS MODEL 8D
WATER FILTER	WATTS MODEL 007-QT	WATTS MODEL 007-QT
MOP SINK (MS-1)	WATTS MODEL SD-2	WATTS MODEL 8D
COLD WATER MAIN	SEE SHEET P4.0	SEE SHEET P4.0

NOTES:

- P.C. SHALL VERIFY BACKFLOW REQUIREMENT WITH LOCAL CODE OFFICIALS. USE MEDIUM HAZARD BACKFLOW DEVICES UNLESS LOCAL CODE OFFICIALS CLASSIFY AS HIGH HAZARD.
- P.C. SHALL INSTALL PER MANUFACTURERS RECOMMENDATIONS. AND PIPE VENT TO DRAIN WHERE NEEDED INDIRECTLY WITH 2" MIN. JAIL GAP.
- P.C. SHALL USE PLASTIC TUBING DOWNSTREAM OF THE BACKFLOW PREVENTER FOR THE CARBONATOR.
- ALL BACKFLOW DEVICES SHALL BE ACCESSIBLE WITHOUT ANY EQUIPMENT. (IPC 2801.1125 C).

ITEM	DESCRIPTION	QTY	WFU
03	HAND SINK	1	1
05	JANITOR SINK	1	4
6	TRENCH DRAIN - BOTTOM OUTLET	1	2
29	HAND SINK	1	1
FD-1	FLOOR DRAIN	2	0
FS-1	FLOOR SINK	2	14
FS-2	FLOOR SINK	1	6
Grand total		14	28

NOTE:  
1500 GALLON GREASE INTERCEPTOR PROVIDED.

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