

PLUMBING FIXTURES AND EQUIPMENT

WATER CLOSET: WC-1 MENS / WOMENS TOILET ROOM	FIXTURE - AMERICAN STANDARD MODEL #3351-160 "AFVALL". VITREOUS CHINA, WALL HUNG, TOP STUD, SIPHON JET FLUSH ACTION, ELONGATED BOWL, WATER CLOSET, 1.6 GPF, STANDARD MOUNTING HEIGHT. FLUSH VALVE - SLOAN ROYAL MODEL 811-1.6(1) (DUAL FLUSH) SENSOR OPERATED BATTERY POWERED FLUSH VALVE WITH MANUAL OVERRIDE BUTTONS, RATED FOR 1.6/1.1 GPF, WITH SCREWDRIVER STOP AND CHROME PLATED CAST BRASS WALL FLANGE WITH SET SCREW. SEAT - OLSOINETE MODEL #10-AH-CG-CS WITH DURAGUARD ANTIMICROBIAL BUILT-IN SEAT PROTECTION AND STAINLESS STEEL HINGES, ELONGATED, HEAVY-DUTY, OPEN FRONT, LESS COVER CARRIER - J.R. SMITH, ADJUSTABLE WITH PROPER DRAIN FITTING. ASSEMBLY TO BE COMPATIBLE WITH FIXTURE AND APPLICATION.
WATER CLOSET: WC-2 MENS / WOMENS TOILET ROOM & PRIVATE TOILET ROOMS	FIXTURE - AMERICAN STANDARD MODEL #3351-160 "AFVALL". VITREOUS CHINA, WALL HUNG, TOP STUD, SIPHON JET FLUSH ACTION, ELONGATED BOWL, WATER CLOSET, 1.6 GPF, 18 AFF MOUNTING HEIGHT FOR ADA COMPLIANCE. FLUSH VALVE - SLOAN ROYAL MODEL 811-1.6(1) (DUAL FLUSH) SENSOR OPERATED BATTERY POWERED FLUSH VALVE WITH MANUAL OVERRIDE BUTTONS, RATED FOR 1.6/1.1 GPF, WITH SCREWDRIVER STOP AND CHROME PLATED CAST BRASS WALL FLANGE WITH SET SCREW. SEAT - OLSOINETE MODEL #10-AH-CG-CS WITH DURAGUARD ANTIMICROBIAL BUILT-IN SEAT PROTECTION AND STAINLESS STEEL HINGES, ELONGATED, HEAVY-DUTY, OPEN FRONT, LESS COVER CARRIER - J.R. SMITH, ADJUSTABLE WITH PROPER DRAIN FITTING. ASSEMBLY TO BE COMPATIBLE WITH FIXTURE AND APPLICATION.
URINAL: UR-1 MENS TOILET ROOM ADA	FIXTURE - AMERICAN STANDARD MODEL #599-005 "WASHBOOK" WASHOUT FLUSH ACTION TYPE TOP STUD , WALL HUNG VITREOUS CHINA URINAL . 0.5 GPF, WITH WALL HANGER, 2' OUTLET, STANDARD MOUNTING HEIGHT. FLUSHOVER - SLOAN ROYAL MODEL 8186 05 SENSOR OPERATED BATTERY POWERED FLUSH VALVE WITH OVERRIDE BUTTON, CHROME PLATED FLUSH VALVE, WITH SCREWDRIVER STOP AND CHROME PLATED CAST BRASS WALL FLANGE WITH SET SCREW. CARRIER - J.R. SMITH, ADJUSTABLE WITH PROPER DRAIN FITTING. ASSEMBLY TO BE COMPATIBLE WITH FIXTURE AND APPLICATION.
LAVATORY: LAV-1 MENS / WOMENS TOILET ROOM ADA	FIXTURE - AMERICAN STANDARD MODEL #0497-221 "OVALYN" VITREOUS CHINA 19 INCHX16 INCH UNDER COUNTER LAVATORY, 4 INCH CENTERS FOR FAUCET, WITH MOUNTING KIT FOR UNDER COUNTER INSTALLATION. FAUCET - SYMONS FAUCET MODEL #S-20-2-G-0.5, DECK MOUNTED 4" CENTER, SINGLE LEVER HOT AND COLD WATER CHROME PLATED FAUCET, WITH 0.5 GPM FLOW RESTRICTOR DRAIN - 1-1/4" CHROME PLATED CAST BRASS PREFERRED GRID DRAIN TRAP - 1-1/4" X 1-1/2" CHROME PLATED 17 GAUGE CAST P-TRAP WITH CLEANOUT PLUG AND WALL FLANGE. SUPPLY RISERS - 1/2" NPS ANGLE WITH FLEXIBLE RISER, LOOSE KEY 1/4 TURN STOPS AND WALL ESCUTCHEONS. INSTALL TRUEORO SERIES 102 MOLDED FOAM PLASTIC ADA COMPLAINT COVERS ON SUPPLIES, WASTE, WASTE ARM AND TRAP.
LAVATORY: LAV-2 PRIVATE TOILET ROOM ADA	FIXTURE AMERICAN STANDARD MODEL #056-012 "LUCERNE" VITREOUS CHINA 20 INCH X 18 INCH WALL LAVATORY, 4 INCH CENTERS FOR FAUCET, DRILLED FOR CONCEALED ARM CARTRIDGE INSTALLATION, MOUNT UNDERSIDE OF RIM AT 29 INCHES OFFER FOR WHEELCHAIR ACCESS. SCREWDRIVER BACK CHECK ANGLE STOP, ADJUSTABLE TAILPIECE, VACUUM BREAKER WITH FLUSH CONNECTION; STUD COUPLING AND STUD FLANGE FOR 1 1/2" TOP STUD; SWEAT SOLDER ADAPTER WITH COVER TUBE AND CAST WALL FLANGE. PROVIDE WITH J.R. SMITH CARRIER SERIES 0631(X) WITH FITTING SPECIFIC TO THE FIXTURE.
SERVICE SINK: (CSS-1) CAVEDAR LAB	FIXTURE - ELKAY MODEL #HWSF-13026ACC SURGICAL SINGLE STATION SCRUB-UP SINK, WALL MOUNTED, 16 GAUGE, TYPE 304 (18/8), STAINLESS STEEL, COVEY CORNERS, KEYEY ACCESS DOOR, WALL HANGER, FULL LENGTH BACKSPASH AND FULL EXPOSURE. UNIT TO BE POLISHED TO A SATIN FINISH AND THE UNDERSIDE TO BE SOUND DEADENED. FAUCET - ELKAY MODEL LKBZT1C, SENSOR OPERATED, DECK MOUNTED NON-MIXING GOOSENECK FAUCET WITH ADJUSTABLE SENSOR EYES. FAUCET TO BE CHROME PLATED. DRAIN - ELKAY MODEL KLRK-B, 18 CHROME PLATED PERFORATED STRAINER GRIND, DRAIN WITH 1-1/2" OD x 1/4" X 1/2" STAINLESS STEEL TAILPIECE. TRAP - CHROME PLATED 17 GAUGE 1-1/2" CAST BRASS P-TRAP WITH CLEANOUT PLUG AND WALL FLANGE. SUPPLY RISERS - 1/2" ANGLE SUPPLIES, FLEXIBLE RISERS, WITH LOOSE KEYS STOPS.
SCRUB SINK: SS-1 SIM LAB CAVEDAR LAB	FIXTURE - ELKAY MODEL #HWSF-13026ACC SURGICAL SINGLE STATION SCRUB-UP SINK, WALL MOUNTED, 16 GAUGE, TYPE 304 (18/8), STAINLESS STEEL, COVEY CORNERS, KEYEY ACCESS DOOR, WALL HANGER, FULL LENGTH BACKSPASH AND FULL EXPOSURE. UNIT TO BE POLISHED TO A SATIN FINISH AND THE UNDERSIDE TO BE SOUND DEADENED. FAUCET - ELKAY MODEL LKBZT1C, SENSOR OPERATED, DECK MOUNTED NON-MIXING GOOSENECK FAUCET WITH ADJUSTABLE SENSOR EYES. FAUCET TO BE CHROME PLATED. DRAIN - ELKAY MODEL KLRK-B, 18 CHROME PLATED PERFORATED STRAINER GRIND, DRAIN WITH 1-1/2" OD x 1/4" X 1/2" STAINLESS STEEL TAILPIECE. TRAP - CHROME PLATED 17 GAUGE 1-1/2" CAST BRASS P-TRAP WITH CLEANOUT PLUG AND WALL FLANGE. SUPPLY RISERS - 1/2" ANGLE SUPPLIES, FLEXIBLE RISERS, WITH LOOSE KEYS STOPS.
SINK: SK-1 BREAKROOMS TO BE FURNISHED AND INSTALLED WITH FIXTURE GD-1)	FIXTURE - ELKAY MODEL GCER251 GOURMET (CELEBRITY) SINGLE BOWL (21"x15"x5"5") TOP MOUNT STAINLESS STEEL SINK, 18 GAUGE TYPE 304 CONSTRUCTION WITH SATIN POLISH FINISH AND FULLY UNDERCOATED TO DAMPEN SOUND. SINK TO BE 4-HOLE PUNCHED FOR FAUCET AND SIDE SPRAY. Faucet - Chicago Model 200-AA8CP Manual Faucet, With Side Spray, Chrome Plated Finish, 8" L" Type Swing Spout, 2" Vandal Proof Canopy Single Wing Handles, 12" NPSM Supply Inlets And Coupling Nut For 1/2" Flexible Riser With Spout And 2.2 GPM Vandal Proof Aerator Outlet. DRAIN - To Be Installed With Garbage Disposer GD-1 Trap - chrome plated 17 gauge 1-1/2" cast brass p-trap with cleanout plug and wall flange. Supply risers - 1/2" angle supplies, flexible risers, with loose key stops.
GARBAGE DISPOSER: GD-1	INSIDERAKER MODEL EVOLUTION COMPACT FOOD WASTE DISPOSER WITH MULTI-GRIND AND SOUND SEAL TECHNOLOGIES, 120 VOLT, 0.75 HP MOTOR WITH STAINLESS STEEL GRIND COMPONENTS. PERMANENTLY LUBRICATED UPPER AND LOWER BEARINGS AND MANUAL RESET OVERLOAD. TO BE FURNISHED AND INSTALLED WITH FIXTURE SK-1
NURSING MOCK EXAM ROOM LACT. (275)	FIXTURE - ELKAY MODEL LAD1617 SINGLE BOWL (12"x12"x6.5") TOP MOUNT STAINLESS STEEL SINK, 18 GAUGE TYPE 304 CONSTRUCTION WITH SATIN POLISH FINISH AND FULLY UNDERCOATED TO DAMPEN SOUND. SINK TO BE 4-HOLE PUNCHED FOR FAUCET AND SIDE SPRAY. FAUCET - CHICAGO MODEL #95-317GN-ZE2ABCP MANUAL FAUCET, CHROME PLATED FINISH, RIGID GOOSENECK SPOUT, WRIST BLADE HANDLES, 1/2" NPSM SUPPLY INLETS AND COUPLING NUT FOR 1/2" FLEXIBLE RISER WITH SPOUT AND 2.2 GPM VANDAL PROOF LAMINAR OUTLET. DRAIN - ELKAY #LKAD-18, CHROME PLATE STAMPED BRASS DRAIN OUTLET FITTING WITH 3" CHROME PLATED STEEL PERFORATED GRID STRAINER, TO INCLUDE LKDOS CHROME 1/4" NPT SET TAILPIECE WITH CAST BRASS ELBOW TRAP - CHROME PLATED 17 GAUGE 1-1/2" CAST BRASS P-TRAP WITH CLEANOUT PLUG AND WALL FLANGE. SUPPLY RISERS - 1/2" ANGLE SUPPLIES, FLEXIBLE RISERS, WITH LOOSE KEY STOPS.
SINK: SK-3 NURSING CLASSROOMS/ LABS	FIXTURE - STAINLESS STEEL SINK TO BE INTEGRAL WITH COUNTERTOP. CONTRACTOR TO FURNISH AND INSTALL FAUCET AND DRAIN ASSEMBLY. UNDERCOATED TO DAMPEN SOUND. SINK TO BE 3-HOLE PUNCHED FOR FAUCET. FAUCET - CHICAGO MODEL 786-GNZBEVB-3ABC, CHROME PLATED FINISH, GOOSENECK SPOUT, VANDAL PROOF WRIST BLADE HANDLES, 1/2" NPSM SUPPLY INLETS AND COUPLING NUT FOR 1/2" FLEXIBLE RISER WITH SPOUT AND 2.2 GPM VANDAL PROOF AERATOR OUTLET. DRAIN - ELKAY #LK-R38, CHROME PLATED PERFORATED STRAINER GRIND, DRAIN WITH METAL STEM AND RUBBER STOPPER. POLISHED FINISH. CHROME PLATED BRASS 1-1/2" x 1/4" TAILPIECE. TRAP - CHROME PLATED 17 GAUGE 1-1/2" CAST BRASS P-TRAP WITH CLEANOUT PLUG AND WALL FLANGE. SUPPLY RISERS - 1/2" ANGLE SUPPLIES, FLEXIBLE RISERS, WITH LOOSE KEY STOPS.
MOP SINK MS-1	FIAT PRODUCTS MODEL TS83000 MP SERVICE BASIN, ONE-PIECE, PRECAST TERRAZZO, 24"x24"x12". STAINLESS STEEL CAPS ON ALL CURB EDGES. FIXTURE TO INCLUDE FIAT PRODUCTS: 830AA MOP SERVICE BASIN FITTING, 833AA SILICON SEALANT, MSG STAINLESS WALL GUARDS AND 832AA HOSE AND HOSE BRACKET. FAUCET - WALL MOUNTED CHICAGO FAUCET MODEL #40-LDB875SVX31TOP, 8" ON CENTERS, 5/34" RIDGE/VACUUM BREAKER SPOUT WITH 3/4" MALE HOSE THREAD AND PAUL HOOK, 4" WRISTBLADE HANDLES FOR HOT AND COLD WATER SUPPLIES, QUATTION COMPRESSION OPERATING CARTRIDGE.
ELECTRIC WATER COOLER: EW-1	HASEY TAPEY MODEL HAQSFB8L-4Q LED-FREE, SELF-CONTAINED, HEAVY-DUTY, 8 LEVEL, WALL MOUNTED WATER COOLER, BARRIER FREE. FONTAINE TOP CONSTRUCTED OF STAINLESS STEEL POLISHED SATIN FINISH. PUSH BAR ACTUATION, ONE-PIECE, CHROME PLATED SUBMERGER AND INLET STRAINER. UNIT TO BE RATED FOR 8.0 GPH AT 80°F, 115V/1.60HP OPERATION, 4.0 FLA. VERIFY INSTALLATION ANDROUGH-IN REQUIREMENTS PRIOR TO ORDERING UNIT OR COMMENCING WORK.
PUMP PUMP: P1 / SP-2 LEVEL 0 MECHANICAL ROOM	WEIL PUMP CO INC. DUPLEX SUMP PUMP MODEL Z224 (EACh), EACH PUMP RATED FOR 350 GPM @ 25 FT OF HEAD WITH 5 HP MOTORS, 480 VOLTS, 3-PHASE POWER, FOUR INCH DIAMETER DISCHARGE. ASSEMBLY SHALL BE COMPLETE WITH NEMA 1 WALL MOUNTED CONTROL CABINET WITH FUSED DISCONNECT (FOR EACH), MAGNETIC LINE VOLTAGE STARTERS, ALTERNATOR, HIGH WATER ALARM RELAY AND PUMP FAILURE RELAY WITH EXTRA CONTACT FOR REMOTE ALARM, CONTROL TRANSFORMER (WHERE REQUIRED FOR CONTROL), CONTROL PANEL, PEDESTAL, LOW WATER SHUTDOWN, LOW WATER SHUTDOWN, LOW WATER SHUTDOWN, LOW WATER SHUTDOWN, LOW WATER SHUTDOWN, LOW WATER SHUTDOWN, AND TO PROVIDE SIMULTANEOUS OPERATION WHEN REQUIRED. SUMP PIT SHALL BE 36 INCH DIAMETER, REINFORCED FIBERGLAS, ASSEMBLY TO INCLUDE ALL NECESSARY AND REQUIRED FITTINGS, VALVES, ACCESSORIES, PIPE HANGERS AND SUPPORTS AS REQUIRED FOR A COMPLETE DUPLEX SYSTEM. SYSTEM TO INCLUDE SLAM INTERCEPTOR.
SUMP PUMP: ESP-2 ELEVATOR PIT	WEIL PUMP CO INC. MODEL 1411 SUBMERSIBLE SUMP PUMP, RATED FOR 30 GPM @ 27 FT OF HEAD. ASSEMBLY SHALL BE COMPLETE WITH HIGH WATER ALARM FLOAT AND SMART CONTROL SYSTEM WITH BUILT-IN AUDIBLE AND VISUAL ALARM TO INDICATE WHEN PUMP IS NOT OPERATING DUE TO HIGH WATER CONDITIONS. ASSEMBLY TO INCLUDE ALL NECESSARY AND REQUIRED FITTINGS, VALVES, ACCESSORIES, PIPE HANGERS AND SUPPORTS AS REQUIRED FOR A COMPLETE SYSTEM. COORDINATE INSTALLATION WITH THE GENERAL CONTRACTOR AND ELECTRICAL CONTRACTOR.
EMERGENCY EYEFACE WASH: EW-1 LABS AND RELATED SPACES	FIXTURE - WATER SAVER SERIES EBW46 - DECK MOUNTED AUTO-FLOW DUAL AN

PLUMBING FIXTURES AND EQUIPMENT

DOMESTIC WATER HEATER: DOMESTIC WTR. SERVICE	RHEIM MODEL, QHE 100ES-400A SPIDER-FIRE HIGH EFFICIENCY COMBUSTION NATURAL GAS FIRE HOT WATER HEATER. UNIT TO BE SEALED COMBUSTION, ULTRA LOW NOX WITH THERMAL EFFICIENCY OF 94%, WITH A NATURAL GAS INPUT OF 400 MBH AND A RECOVERY RECOVERY RATE OF 445 GALLONS AT 100° TEMPERATURE RISE, RATED FIRST HOUR DELIVERY OF 1545 GALLONS. WATER HEATER SHALL HAVE A STORAGE CAPACITY OF 100 GALLONS. ASME CONSTRUCTION . UNIT TO INCLUDE FACTORY INSTALLED CSA/ASME RATED TEMPERATURE AND PRESSURE RELIEF VALVE. VENTING SHALL BE WITH STANDARD PVC PLASTIC PIPING. CONTROL SYSTEM SHALL BE CAPABLE OF COMPLETE DIAGNOSTIC FEATURES AND AN OPERATIONAL HISTORY. WATER CONNECTIONS TO BE AVAILABLE ON BOTH SIDES OF THE UNIT TO ALLOW FOR FLEXIBILITY IN INSTALLATION. A FULL-PORT DRAIN VALVE SHALL BE FACTORY INSTALLED. GAS IGNITION SHALL BE BY DIRECT SPARK. ASSEMBLY SHALL MEET THE REQUIREMENTS OF CSA AND HAVE CERTIFICATION SEAL ATTACHED. FURNISH AND INSTALL WITH THERMOSTATIC MIXING VALVE TVM-1
EXPANSION TANK: ET-1	WATTS SERIES DETA 60, ASME PRESSURIZED EXPANSION TANK. PRE-CHARGED TO 40 PSI WITH FIXED BUTYL BLADDER. PRESSURE CHARGE IS FIELD ADJUSTABLE. TOP POSITION NPT STEEL STAINLESS STEEL CONNECTION AND A STANDARD CHARGING VALVE. TANK TO BE CONSTRUCTED IN ACCORDANCE TO ASME SECTION VIII. EXPANSION TANK TANK VOLUM 26.0 GALLONS. TANK ACCEPTANCE: 16.5 GALLONS.
DOMESTIC HOT WATER PREVENTER: CIRCULATING PUMP: HWP-1	BELL & GOSSETT MODEL PD-40T HORIZONTAL IN-LINE WET ROTOR CIRCULATION PUMP. SUITABLE FOR OPERATION OF 225°F (CONTINUOUS) AND 125 PSI MAXIMUM WORKING PRESSURE. LEAD FREE BRONZE BODY WITH LEAD FREE BRASS IMPELLER. PERMANENTLY LUBRICATED PUMP AND MOTOR BEARING. FLEXIBLE SLEEVE TYPE COUPLER.
BACKFLOW PREVENTER: BFP-1 DOMESTIC WTR. SERVICE	WATTS REGULATOR SERIES LF909-QT-FAD-S-FDA REDUCED PRESSURE ZONE ASSEMBLY. 4 INCH INLET AND OUTLET, FDA EPOXY COATED QUARTER TURN OPERATING VALVES. BRONZE RELIEF VALVE BODY AND SEATS WITH BRONZE TEST COCK. STAINLESS STEEL TRIM. MAXIMUM OPERATING PRESSURE 175 PSI. TEMPERATURE RANGE 33°F TO 110°F CONTINUOUS. ASSEMBLY TO INCLUDE: FDA EPOXY COATED STRAINER, WATTS' WMOVEL ACV-115 EPOXY COATED CAST IRON BODY, BRASS TRIM PRESSURE REDUCING VALVE, WATTS MODEL 909AG-K AIR GAP FITTING AND RK-SAE-TC-B SAE BRASS CAP, O-RING AND TETHER FOR EACH TEST COCK. VERIFY REQUIREMENTS PRIOR TO ORDERING AND INSTALLATION.
BACKFLOW PREVENTER: BFP-2 MAKE-UP WATER SERVICE	WATTS REGULATOR SERIES LF909-QT-S- REDUCED PRESSURE ZONE ASSEMBLY. 0.75 INCH INLET AND OUTLET, QUARTER TURN OPERATING VALVES. BRONZE RELIEF VALVE BODY AND SEATS WITH BRONZE TEST COCKS. STAINLESS STEEL TRIM. MAXIMUM OPERATING PRESSURE 175 PSI. TEMPERATURE RANGE 33°F TO 110°F CONTINUOUS. ASSEMBLY TO INCLUDE: BRONZE STRAINER, MODEL 909AG-C AIR GAP FITTING AND RK-SAE-TC-B SAE BRASS CAP, O-RING AND TETHER FOR EACH TEST COCK. VERIFY REQUIREMENTS PRIOR TO ORDERING AND INSTALLATION.
BACKFLOW PREVENTER: BFP-3 DEIONIZED WTR. SERVICE	WATTS REGULATOR SERIES LF909-QT-S- REDUCED PRESSURE ZONE ASSEMBLY. 1 INCH INLET AND OUTLET, QUARTER TURN OPERATING VALVES. BRONZE RELIEF VALVE BODY AND SEATS WITH BRONZE TEST COCKS. STAINLESS STEEL TRIM. MAXIMUM OPERATING PRESSURE 175 PSI. TEMPERATURE RANGE 33°F TO 110°F CONTINUOUS. ASSEMBLY TO INCLUDE: BRONZE STRAINER, MODEL 909AG-C AIR GAP FITTING AND RK-SAE-TC-B SAE BRASS CAP, O-RING AND TETHER FOR EACH TEST COCK. VERIFY REQUIREMENTS PRIOR TO ORDERING AND INSTALLATION.
ROOF DRAIN: FD-1 PUBLIC SPACES AND AS INDICATED	JAY R. SMITH MODEL 2005Y-NB-U-P050. DUCO CAST IRON BODY CONSTRUCTION, 4 INCH NO-HUB OUTLET WITH ADJUSTABLE 8 INCH ROUND NICKEL BRONZE STRAINER HEAD, TRAP PRIMER CONNECTION, SEDIMENT BUCKET AND VANDAL PROOF SCREWS. VERIFY INSTALLATION REQUIREMENTS PRIOR TO ROUGH-IN. PROVIDE WITH J.R. SMITH SERIES 2692-04 QUAD CLOSE TRAP SEAL.
ROOF DRAIN: FD-2 CADAVER LAB	JAY R. SMITH MODEL 2360Y-E - H - P. DUCO CAST IRON BODY CONSTRUCTION AND FLASHING COLLAR WITH ADJUSTABLE TOP. GALVANIZED CAST IRON 11.5 INCH BAR GRATE AND DEEP SLOTTED SEDIMENT BUCKET, AND TRAP PRIMER CONNECTION, OUTLET TO ACCEPT NO-HUB CAST IRON PIPING. PROVIDE ADJUSTABLE EXTENSION AND TRANSITION COLLAR AS REQUIRED. VERIFY INSTALLATION REQUIREMENTS PRIOR TO ROUGH-IN. PROVIDE WITH J.R. SMITH SERIES 2692-04 QUAD CLOSE TRAP SEAL.
FLOOR DRAIN: FD-3 LEVEL 0 AND MECH/SERVICE AREAS	JAY R. SMITH MODEL 1070Y-R-SP2-CID; SPECIAL PURPOSE ROOF DRAIN. DUCO CAST IRON BODY CONSTRUCTION WITH COMBINED FLASHING CLAMP AND GRAVEL STOP. TO INCLUDE SUMP RECEIVER, UNDER-DECK CLAMP AND CAST IRON DOME STRAINER. OUTLET TO ACCEPT NO-HUB CAST IRON PIPING. SIZES AS INDICATED ON THE DRAWINGS. VERIFY INSTALLATION REQUIREMENTS PRIOR TO ROUGH-IN.
SUMP PUMP: SP-3 LEVEL 0 COORDINATE DRAINS	WEIL PUMP CO. INC. MODEL 1411 SUBMERSIBLE SUMP PUMP. RATED FOR 25 GPM @ 25 FT OF HEAD. ASSEMBLY SHALL BE COMPLETE WITH HIGH WATER ALARM FLOAT AND SMART CONTROL SYSTEM WITH BUILT-IN AUDIBLE AND VISUAL ALARM. TO INDICATE WHEN PUMP IS NOT OPERATING DUE TO HIGH WATER CONDITIONS. ASSEMBLY TO INCLUDE ALL NECESSARY AND REQUIRED FITTINGS, VALVES, ACCESSORIES, PIPE HANGERS AND SUPPORTS AS REQUIRED FOR A COMPLETE SYSTEM. COORDINATE INSTALLATION WITH THE GENERAL CONTRACTOR AND ELECTRICAL CONTRACTOR. PROVIDE SUMP PIT AND COVER SIMILAR TO THAT USED FOR SUMP PUMP SP-3P-1SP-2.
ROOF DRAIN: RD-1	JAY R. SMITH MODEL 1010Y-R-C-ID; LARGE GENERAL PURPOSE ROOF DRAIN. DUCO CAST IRON BODY CONSTRUCTION WITH COMBINED FLASHING CLAMP AND GRAVEL STOP. TO INCLUDE SUMP RECEIVER, UNDER-DECK CLAMP AND CAST IRON DOME STRAINER. OUTLET TO ACCEPT NO-HUB CAST IRON PIPING. SIZES AS INDICATED ON THE DRAWINGS. VERIFY INSTALLATION REQUIREMENTS PRIOR TO ROUGH-IN.
ROOF DRAIN: RD-2 GREEN ROOF	JAY R. SMITH MODEL 1900Y-R-C. GREEN ROOF MAIN AREA DRAIN WITH STANDPIPE. DUCO CAST IRON BODY CONSTRUCTION FLASHING CLAMP AND STAINLESS STEEL PERFORATED GRAVEL STOP. TO INCLUDE SUMP RECEIVER, UNDER-DECK CLAMP. COORDINATE HEIGHT OF PERFORATED GRAVEL STOP AND STANDPIPE WITH DEPTH OF GREEN ROOF IN-FILL. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS. OUTLET TO ACCEPT NO-HUB CAST IRON PIPING. SIZES AS INDICATED ON THE DRAWINGS. VERIFY INSTALLATION REQUIREMENTS PRIOR TO ROUGH-IN.
OVERFLOW ROOF DRAIN: OD-1	JAY R. SMITH MODEL 1070Y-R-SP2-CID; SPECIAL PURPOSE ROOF DRAIN. DUCO CAST IRON BODY CONSTRUCTION WITH COMBINED FLASHING CLAMP AND GRAVEL STOP. TO INCLUDE PVC STANDPIPE, SUMP RECEIVER, UNDER-DECK CLAMP AND CAST IRON DOME STRAINER. OUTLET TO ACCEPT NO-HUB CAST IRON PIPING. SIZES AS INDICATED ON THE DRAWINGS. VERIFY INSTALLATION REQUIREMENTS PRIOR TO ROUGH-IN.
DOWNSPOUT NOZZLE: DN-1	JAY R. SMITH MODEL 1775-U; SPECIAL PURPOSE DOWNSPOUT COVER. TYPE 304 STAINLESS STEEL CONSTRUCTION WITH SECURED HINGED PERFORATED COVER. OUTLET TO ACCEPT NO-HUB CAST IRON PIPING. SIZES AS INDICATED ON THE DRAWINGS. ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL. VERIFY INSTALLATION REQUIREMENTS PRIOR TO ROUGH-IN. COORDINATE LOCATIONS AND ELEVATION WITH THE ARCHITECT.
FLOOR SINK: FS-1	JAY R. SMITH MODEL 3161Y-03-P-13 CAST IRON BODY FLOOR SINK WITH ACID RESISTANT COATED INTERIOR, 10 INCH SUMP DEPTH. SQUARE 12.5 INCH TOP, NICKEL BRONZE RIM WITH 3/4 GRATE, SEDIMENT BUCKET, NO-HUB 3" CONNECTION AND TRAP PRIMER CONNECTION. VERIFY INSTALLATION REQUIREMENTS PRIOR TO ROUGH-IN.
FLOOR SINK: FS-2	JAY R. SMITH MODEL 3161Y-03-C-U-P-13 CAST IRON BODY FLOOR SINK WITH ACID RESISTANT COATED INTERIOR, 10 INCH SUMP DEPTH. SQUARE 12.5 INCH TOP, NICKEL BRONZE RIM WITH 3/4 GRATE, SEDIMENT BUCKET, FLASHING CLAMP, VANDAL PROOF SCREWS AND NO-HUB 3" CONNECTION AND TRAP PRIMER CONNECTION. VERIFY INSTALLATION REQUIREMENTS PRIOR TO ROUGH-IN.
FLOOR SINK: FS-3	JAY R. SMITH MODEL 3451Y-04-C-P-13 CAST IRON BODY FLOOR SINK WITH ACID RESISTANT COATED INTERIOR, 12 INCH SUMP DEPTH. SQUARE 16 INCH SQUARE TOP, ACID RESISTANT COATED CAST IRON 3/4 GRATE, SEDIMENT BUCKET, NO-HUB 4" CONNECTION. VERIFY INSTALLATION REQUIREMENTS PRIOR TO ROUGH-IN. PROVIDE WITH J.R. SMITH SERIES 2692-04 QUAD CLOSE TRAP SEAL.
FLOOR CLEANOUT: FCO-1	JAY R. SMITH MODEL 4020S-U ROUND CAST IRON BODY FLOOR CLEANOUT WITH TAPER THREAD BRONZE PLUG AND NICKEL BRONZE ADJUSTABLE HEAD WITH SCORIATED SOLID CAST IRON COVER AND VANDAL PROOF SCREWS. COVER TO HAVE 'CO' CAST IN TOP. VERIFY INSTALLATION REQUIREMENTS PRIOR TO ROUGH-IN.
FLOOR CLEANOUT: FCO-2	JAY R. SMITH MODEL 4020S-U ROUND CAST IRON BODY FLOOR CLEANOUT WITH TAPER THREAD BRONZE PLUG AND NICKEL BRONZE ADJUSTABLE HEAD WITH SCORIATED SOLID NICKEL BRONZE COVER AND VANDAL PROOF SCREWS. COVER TO HAVE 'CO' CAST IN TOP. VERIFY INSTALLATION REQUIREMENTS PRIOR TO ROUGH-IN.
WALL CLEANOUT EXPOSED: WCO-1	JAY R. SMITH MODEL 4512S-Y CAST IRON BODY STACK CLEANOUT 'TEE'. TAPER THREAD WITH BRONZE PLUG. NO-HUB PIPE CONNECTIONS ON BOTH ENDS. FOR USE IN AREAS NON PUBLIC AREAS. VERIFY INSTALLATION REQUIREMENTS PRIOR TO ROUGH-IN.
WALL CLEANOUT CONCEALED: WCO-2	JAY R. SMITH MODEL 4532S-Y CAST IRON BODY STACK CLEANOUT 'TEE'. TAPER THREAD WITH BRONZE PLUG. NO-HUB PIPE CONNECTIONS ON BOTH ENDS. STAINLESS STEEL ROUND COVER WITH CENTER SCREW FOR USE IN AREAS PUBLIC AREAS. VERIFY INSTALLATION REQUIREMENTS PRIOR TO ROUGH-IN.
WATER HAMMER ARRESTER: WHA	J.R. SMITH SERIES 5000 HYDROTROL ENGINEERED WATER HAMMER ARRESTER. LEAD-FREE STAINLESS CONSTRUCTION PLUMBING. CONTRACTOR TO SELECT UNIT FOR SPECIFIC APPLICATION AND FIXTURE UNIT RATINGS.
WALL HYDRANT: WH-1	J.R. SMITH SERIES 551S-WC-CL WALL MECESSSED GUARDIAN PLUS DUAL CHECK QUARTER TURN NON-FREEZE HYDRANT WITH AUTOMATIC DRAINING INTEGRAL VACUUM BREAKER, INTEGRAL SERVICE SHUT OFF VALVE, DUAL CHECK VALVE AND STAINLESS STEEL BOWL. ASSEMBLY TO INCLUDE ADJUSTABLE WALL CLAMP. CONTRACTOR TO SELECT LENGTH FOR WALL THICKNESS APPLICATION.
LABORATORY SINK FAUCET AND DRAIN ASSEMBLY: LF-1 LABS AND PREP ROOMS	FIXTURE - SINK IS INTEGRAL WITH COUNTERTOP. CONTRACTOR IS TO FURNISH AND INSTALL FAUCET AND DRAIN ASSEMBLY. FAUCET - CHICAGO FAUCET MODEL 930-317KXCP, DECK MOUNTED SINGLE HOLE HOT AND COLD WATER MIXING FAUCET WITH VACUUM BREAKER, 6" RIGID/SWING SPOUT, 4" VANDAL PROOF WRISTBLADE HANDLES, FULL FLOW NOZZLE, ATMOSPHERIC VACUUM BREAKER. DRAIN - 1-1/2" ACID RESISTANT SINK STRAINER ASSEMBLY. TRAP - 4-1/2" ACID RESISTANT P-TRAP WITH AIR WASTE ARM AND WALL FLANGE. STOP & SUPPLY RISERS - 1/2" NPS ANGLE WITH FLEXIBLE RISER, LOOSE KEY 1/2" TURN STOPS AND WALL ESCUTCHEONS.
LABORATORY SINK FAUCET AND DRAIN ASSEMBLY: LF-2 LABS	FIXTURE - SINK IS INTEGRAL WITH COUNTERTOP. CONTRACTOR IS TO FURNISH AND INSTALL FAUCET AND DRAIN ASSEMBLY. FAUCET - CHICAGO FAUCET MODEL 928-317KXCP, DECK MOUNTED SINGLE HOLE COLD WATER FAUCET WITH VACUUM BREAKER, 6" RIGID/SWING SPOUT, 4" VANDAL PROOF WRIST BLADE HANDLES, FULL FLOW NOZZLE, ATMOSPHERIC VACUUM BREAKER. DRAIN - 1-1/2" ACID RESISTANT SINK STRAINER ASSEMBLY. TRAP - 4-1/2" ACID RESISTANT P-TRAP WITH AIR WASTE ARM AND WALL FLANGE. STOP & SUPPLY RISERS - 1/2" NPS ANGLE WITH FLEXIBLE RISER, LOOSE KEY 1/2" TURN STOPS AND WALL ESCUTCHEONS.
LABORATORY DEIONIZED WATER FAUCET: DIT	FAUCET - CHICAGO FAUCET MODEL 828-ACP, DECK MOUNTED CHROME PLATED POLYPROPYLENE PURE WATER FAUCET, WITH 3/4" POLYPROPYLENE MALE THREAD INLET. COORDINATE LOCATION AND DRILLING OF COUNT

Webster
UNIVERSITY

Webster University
Interdisciplinary Science
Building

CANNONDESIGN

1100 Clark Avenue
St. Louis, Missouri 63102
T: 314.241.6250
F: 314.241.2570

William Tao & Associates, Inc
MEP/FP Engineer
7955 Manchester Road, Suite 12
St. Louis, MO 63143
314-884-7600

Structural & Civil Engineer
800 South Vandeventer Avenue
St. Louis, MO 63110
314.534.1053

**Faith Group
Technology**
3101 S. Hanley Rd. Suite 1

St. Louis, MO 63143
314.991.2228

Kuhlmann Leavitt, Inc.
Environmental Graphics & Signage
7400 Pershing Ave
St. Louis, MO 63130
314.725.6616

KWA Architects
Architecture
9721 Litzinger Road
St. Louis, MO 63124
314.963.2580

Spellman Brady & Company
Interior Designer
8251 Maryland Avenue, Suite 300
St. Louis, MO 63105
314.862.0070

SWT Design
Landscape Architect
7722 Big Bend Blvd
St. Louis, MO 63119
314.644.5700

Webb Engineering Services, Inc.
Plumbing & Fire Protection
1400 S. 3rd Street, Suite 201
St. Louis, MO 63104
314.588.0600

CONFORMED S

01 JUL 2016

3	ADDENDUM 2-4	24 MAY 2016
2	ADDENDUM 2-2	19 APR 2016
1	ADDENDUM 2-1	17 MAR 2016
-	ISSUED FOR CONSTRUCTION (BP2)	01 MAR 2016
No.	Description	Date

Drawing Title:

SCHEDULES - PLUMBING

Project No.: 04561.01

Checked by _____

P0601

© Cannon Design 2015