

PLUMBING FIXTURE SCHEDULE

TYPE	FIXTURE DESCRIPTION
A	HEADWALL ELEMENT MEDICAL AIR OUTLET. HEADWALL ELEMENT SHALL BE PROVIDED BY ARCHITECT. PLUMBING SHALL CONNECT TO OUTLET.
ESH-1	DESCRIPTION: EMERGENCY SHOWER/FAUCET AND EYEWASH. FLOOR MOUNTED WITH STAINLESS STEEL BOWL AND SCHEDULE 80, HOT DIP GALVANIZED PIPING, CHROME PLATED STAY-OPEN BALL VALVES, STAINLESS STEEL ACTUATORS, GRAPHICS, YELLOW ABS PLASTIC SHOWER HEAD ACTIVATED BY PULL ROD, 22 GPM FLOW CONTROL, ABS PLASTIC DUAL STREAM EYE-FAWASH HEADS ACTIVATED BY PUSH-PULL, SELF-ADJUSTING 4.8 GPM REGULATOR, FLOAT-OF COVER BEGINS SECURED WITH STAINLESS STEEL BEAD CHAINS. IN-LINE STRAINER TEE. ROTATE DRAIN TEE TO FLOOR DRAIN LOCATION, FIELD PAINT SAFETY YELLOW. BRADLEY S15014 SERIES, GUARDIAN C1501. PROVIDE EMERGENCY THERMOSTATIC MIXING VALVE BRADLEY "S150210 EPX2". GUARDIAN "S3007". ROUGH-IN: 1-1/4" TEMPERED WATER FROM EMERGENCY FIXTURE COORDINATE FINAL LOCATION / HEIGHT WITH ARCHITECTURAL DRAWINGS.
GI-1	TYPE: KITCHEN GREASE INTERCEPTOR DESCRIPTION: 1500 GALLON GREASE TRAP, PRECAST CONCRETE WITH STEEL REINFORCEMENT AND MANHOLE ACCESS COMPLETE WITH COVERS AND FRAMES. DETAILED ON DRAWINGS. PROVIDE GANNEY OR APPROVED SAMPLE WELL ON DISCHARGE SIDE OF GREASE INTERCEPTOR. GANNEY GT-1500
GI-2	TYPE: DUMPSTER PAD DRAIN GREASE INTERCEPTOR DESCRIPTION: 125 GALLON GREASE TRAP, PRECAST CONCRETE WITH STEEL REINFORCEMENT AND MANHOLE ACCESS COMPLETE WITH COVERS AND FRAMES. DETAILED ON DRAWINGS. PROVIDE GANNEY OR APPROVED SAMPLE WELL ON DISCHARGE SIDE OF GREASE INTERCEPTOR. GANNEYS GI-125
ICM-1	DESCRIPTION: ICE MACHINE CONNECTION, WATER SUPPLY VALVED AT WALL. PROVIDE DOUBLE CHECK VALVE TYPE BACKFLOW PREVENTER AND WATER FILTER. WATTS 1/2" 001-S BACKFLOW PREVENTER AND AQUA-PURE AP510 FILTER. ROUTE BACKFLOW PREVENTER DISCHARGE TO FLOOR SINK SERVING ICE MACHINE. ROUGH-INS: 3/4" COLD WATER. COORDINATE ROUGH-IN LOCATION/HEIGHT. FINAL CONNECTION WITH EQUIPMENT BEING INSTALLED AND WITH ARCHITECT/CASEWORK DRAWINGS.
RVB-1	DESCRIPTION: REFRIGERATOR VALVE BOX, 4-3/8"x4-1/8", 20 GAUGE STEEL WITH COATED FINISH AND 1/4 TURN VALVE. PROVIDE FILTER WHEN MAKING FINAL CONNECTION. GUY GRAY MB1AB WITH AQUA-PURE AP717 FILTER. ROUGH-INS: 3/4" COLD WATER. COORDINATE ROUGH-IN LOCATION/HEIGHT. FINAL CONNECTION WITH EQUIPMENT BEING INSTALLED AND WITH ARCHITECT/CASEWORK DRAWINGS.
V	HEADWALL ELEMENT WALL MOUNTED. HEADWALL ELEMENT SHALL BE PROVIDED BY ARCHITECT. PLUMBING SHALL CONNECT TO OUTLET. ROUGH-INS: 1-1/4" TEMPERED WATER FROM EMERGENCY FIXTURE COORDINATE FINAL LOCATION / HEIGHT WITH ARCHITECTURAL DRAWINGS.
ZVB-1	ZONE VALVE BOX, 4" DEPTH. VALVES SHALL BE FULL PORT, DOUBLE SEAL, BALL TYPE WITH THREE PIECE BRONZE/BRASS BODY AND CHROME PLATED BRASS BALL. BEACON MEDAES MODEL # ZVB2-80-E
BACKFLOW PREVENTION (BFP)	
BFP-1	TYPE: BFP-1 DESCRIPTION: 4" BACKFLOW PREVENTER, CHECK VALVE ASSEMBLIES, STAINLESS STEEL SPRINGS, TWO IN LINE BALL VALVES, BRONZE STRAINER ON INLET, PROVIDE WITH DRAIN PIPE TO NEAREST FLOOR DRAIN, LEAD FREE. FEBCO LF909
BFP-2	TYPE: BFP-2 6" DOUBLE CHECK DETECTOR ASSEMBLY (DCDA) WITH 6" FLANGED O.S & Y. VALVE WITH TAMPER SWITCH.
BFP-3	TYPE: BFP-3 DESCRIPTION: 2" BACKFLOW PREVENTER, CHECK VALVE ASSEMBLIES, STAINLESS STEEL SPRINGS, TWO IN LINE BALL VALVES, BRONZE STRAINER ON INLET, PROVIDE WITH DRAIN PIPE TO NEAREST FLOOR DRAIN, LEAD FREE. FEBCO LF007
DRAINAGE FIXTURE (CD, FD, FS, HD, TD)	
3VTR	VENT THROUGH ROOF
4VTR	VENT THROUGH ROOF
AD-1	SERVICE: DUMPSTER AREA DRAIN DESCRIPTION: 12-1/2" SQUARE CAST IRON DRAIN, DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, SEEPAPE PAN AND COMBINATION MEMBRANE FLASHING CLAMP TOP AND FRAME FOR HEAVY-DUTY CAST IRON GRATE, WITH SUSPENDED CAST IRON SEDIMENT BUCKET AND GASKETED HINGED SOLID COVER. ZURN MODEL Z610-HC-YC ROUGH-IN: REFER TO FLOOR PLANS FOR SIZES.
DS-1	DESCRIPTION: OVERFLOW DOWNSPOUT NOZZLE. CAST BRONZE WITH THREADED OR NO HUB OUTLET AND FLANGE TO SECURE NOZZLE TO WALL. INSTALL AT 12" ABOVE FINISHED SLAB OR AS DIRECTED BY ARCHITECT. WADE 3941-VIP. ROUGH-IN: REFER TO FLOOR PLANS FOR SIZES.
DS-2	DESCRIPTION: OVERFLOW DOWNSPOUT NOZZLE. RECTANGLE CAST BRONZE WITH THREADED OR NO HUB OUTLET AND FLANGE TO SECURE NOZZLE TO WALL. SCUPPER WILL BE PROVIDED BY ARCHITECTURAL AND DRAIN PIPING CONNECTED BY PLUMBING CONTRACTOR. ROUGH-IN: REFER TO FLOOR PLANS FOR SIZES.
ECO	DESCRIPTION: EXTERIOR CLEANOUT TO GRADE. CAST IRON BODY WITH ADJUSTABLE TOP ASSEMBLY WITH GASKET SEAL, AND ROUND SCORATED VANDAL RESISTANT DUCTILE IRON TRACTOR TYPE COVER. IF LOCATED IN ASPHALT OR DIRT PROVIDE 18"x18"x12" CONCRETE PAD. WADE 6000-Z.
FD	DESCRIPTION: FLOOR CLEANOUT. CAST IRON BODY AND ADJUSTABLE TOP ASSEMBLY WITH GASKET SEAL, AND ROUND SCORATED STAINLESS STEEL COVER. WADE 6000-153. FOR CARPETED FLOORS PROVIDE WADE 6000-CM.
FO	SERVICE: TOILET ROOMS AND GENERAL USE DESCRIPTION: FLOOR DRAIN, CAST IRON BODY, ADJUSTABLE 6" DIAMETER STAINLESS STEEL STRAINER WITH VANDAL PROOF SCREWS, INTEGRAL CLAMPING DEVICE, BOTTOM OUTLET. WADE 1100-MR8. TRAP SEAL: PROVIDE PRO-SET SYSTEMS, INC. TRAP GUARD FACTORY FITTED TO MATCH EACH FLOOR DRAIN BY SIZE, MODEL, AND MANUFACTURER. ROUGH-IN: REFER TO FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION AND INSTALLATION WITH ARCHITECTURAL DRAWINGS / FLOOR CONSTRUCTION.
FD-2	SERVICE: MECHANICAL ROOM CONDENSATE DESCRIPTION: FLOOR DRAIN, CAST IRON BODY, ADJUSTABLE 7" DIAMETER STAINLESS STEEL STRAINER WITH EXTENDED RIM AND VANDAL PROOF SCREWS, INTEGRAL CLAMPING DEVICE, BOTTOM OUTLET. WADE 1100-E7. TRAP SEAL: PROVIDE PRO-SET SYSTEMS, INC. TRAP GUARD FACTORY FITTED TO MATCH EACH FLOOR DRAIN BY SIZE, MODEL, AND MANUFACTURER. ROUGH-IN: REFER TO FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION WITH EQUIPMENT PLACEMENT.
FD-4	SERVICE: KITCHEN AREA CLEANSUP DESCRIPTION: FLOOR DRAIN, CAST IRON BODY, 8" DIAMETER STAINLESS STEEL STRAINER, 8" DEEP BUMP, A.R.E. INTERIOR, SEDIMENT BUCKET, WADE 9010-27-S5. TRAP SEAL: PROVIDE PRO-SET SYSTEMS, INC. TRAP GUARD FACTORY FITTED TO MATCH EACH FLOOR DRAIN BY SIZE, MODEL, AND MANUFACTURER. ROUGH-IN: REFER TO FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION AND INSTALLATION WITH ARCHITECTURAL / KITCHEN CONSULTANT DRAWINGS.
FD-5	SERVICE: KITCHEN REFRIGERATION EQUIPMENT CONDENSATE DESCRIPTION: FLOOR DRAIN, CAST IRON BODY WITH A.R.E. ADJUSTABLE 6" DIAMETER STAINLESS STEEL STRAINER WITH VANDAL PROOF SCREWS, INTEGRAL CLAMPING DEVICE, BOTTOM OUTLET, 6" DIAMETER STAINLESS STEEL FUNNEL ATTACHMENT. WADE 1100-MR8-EF6-SS. TRAP SEAL: PROVIDE PRO-SET SYSTEMS, INC. TRAP GUARD FACTORY FITTED TO MATCH EACH FLOOR DRAIN BY SIZE, MODEL, AND MANUFACTURER. ROUGH-IN: REFER TO FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION AND INSTALLATION WITH ARCHITECTURAL / KITCHEN CONSULTANT DRAWINGS.
FS-2	SERVICE: MECHANICAL ROOM DESCRIPTION: A.R.E. COATED CAST IRON BODY 12" SQUARE FLOOR SINK WITH 8" DEEP BUMP, BOTTOM OUTLET, LOOSE SET CAST IRON SECONDARY STRAINER, CLAMPING DEVICE, AND HALF TOP GRATE. WADE 9140-6-15-26-64. TRAP SEAL: PROVIDE PRO-SET SYSTEMS, INC. TRAP GUARD FACTORY FITTED TO MATCH EACH FLOOR SINK BY SIZE, MODEL, AND MANUFACTURER. ROUGH-IN: REFER TO FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION WITH EQUIPMENT PLACEMENT.
FS-3	SERVICE: KITCHEN INDIRECT WASTE DESCRIPTION: CAST IRON 12" SQUARE FLOOR SINK WITH 8" DEEP BUMP, A.R.E. INTERIOR, ALUMINUM DOME BOTTOM STRAINER, STAINLESS STEEL TOP, AND CLAMPING DEVICE. WADE 9140-15-27-26-SS. TRAP SEAL: PROVIDE PRO-SET SYSTEMS, INC. TRAP GUARD FACTORY FITTED TO MATCH EACH FLOOR SINK BY SIZE, MODEL, AND MANUFACTURER. ROUGH-IN: REFER TO FLOOR PLANS FOR SIZES. COORDINATE FINAL LOCATION WITH ARCHITECTURAL / KITCHEN CONSULTANT DRAWINGS.
RO-COMB	DESCRIPTION: 15" DIAMETER COMBINATION MAIN ROOF DRAIN AND OVERFLOW ROOF DRAIN. DURA COATED CAST IRON BODIES WITH COMBINATION MEMBRANE FLASHING, CLAMP/GRAVEL GUARDS, DOUBLE DECK PLATE, AND LOW SILHOUETTE CAST IRON DOMES. ZURN MODEL Z163 OR APPROVED EQUIVALENT. ROUGH-IN: REFER TO FLOOR PLANS FOR SIZES.
WCO	DESCRIPTION: WALL CLEANOUT. CAST IRON CLEANOUT FERRULE WITH DUCTILE IRON COMBINED COVER/PLATE AND ROUND STAINLESS COVER PLATE WITH CENTER SECURING SCREW. MIFAB C1450 WITH C1400-RD6. PROVIDE MIFAB C1480 CAST IRON CLEANOUT TEE IN LIEU OF FERRULE AS REQUIRED FOR WALL CONSTRUCTION.
DRINKING FOUNTAIN (EDF)	
EBF-1	DESCRIPTION: WALL HUNG, BARRIER FREE, SINGLE ELECTRIC DRINK FOUNTAIN WITH ELECTRONIC BOTTLE FILLER SENSOR AND SHIELDED VANDAL-RESISTANT BUBBLER. REMOTE TYPE ELECTRIC WATER CHILLER UNIT, INSTALLED IN CEILING ABOVE FOUNTAIN, 8 GPH OF 50 DEGREE WATER. 90 DEGREE AMBIENT AND 90 DEGREE AMBIENT INLET WATER. MODEL # ECHB. ELKAY L2WS-S528K. PROVIDE CANE TOUCH SKIMP TO COMPLY WITH ADA GUIDELINES. P-TRAP: 1-1/4" CHROME PLATED CAST BRASS TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON. MCGUIRE 8872. SUPPLIES: 1/2" I.P.S. X 3/8" O.D. CHROME PLATED STOP VALVE WITH ESCUTCHEON AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISER, MCGUIRE 2165. CARRIER: RECTANGULAR STEEL TUBING UPRIGHTS WITH WELDED 3" X 4-1/2" BASE ANCHORED TO CONCRETE SLAB WITH (4) 1/2" BOLTS. ADJUSTABLE SLEEVE FOR CONNECTION TO HANGER PLATE PROVIDED BY FIXTURE MANUFACTURER. MIFAB MC-31. ROUGH-IN: 2" WASTE, 2" VENT, 1/2" COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR HEIGHT REQUIREMENTS.
EBF-2	DESCRIPTION: IN-WALL BOTTLE FILLING STATION, ANTIMICROBIAL, GREEN TICKER, HANDS FREE, LAMINAR FLOW, REAL DRAIN WITH ELECTRONIC BOTTLE FILLER SENSOR. ELKAY E2WSMDK ADA COMPLIANT. P-TRAP: 1-1/4" CHROME PLATED CAST BRASS TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON. MCGUIRE 8872. SUPPLIES: 1/2" I.P.S. X 3/8" O.D. CHROME PLATED STOP VALVE WITH ESCUTCHEON AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISER, MCGUIRE 2165. CARRIER: RECTANGULAR STEEL TUBING UPRIGHTS WITH WELDED 3" X 4-1/2" BASE ANCHORED TO CONCRETE SLAB WITH (4) 1/2" BOLTS. ADJUSTABLE SLEEVE FOR CONNECTION TO HANGER PLATE PROVIDED BY FIXTURE MANUFACTURER. MIFAB MC-31. ROUGH-IN: 2" WASTE, 2" VENT, 1/2" COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR HEIGHT REQUIREMENTS.
EDF-1	DESCRIPTION: WALL HUNG, BARRIER FREE, BLUE/ELECTRIC DRINK FOUNTAIN WITH ELECTRONIC BOTTLE FILLER SENSOR AND SHIELDED VANDAL-RESISTANT BUBBLER. TWO REMOTE TYPE ELECTRIC WATER CHILLER UNITS, INSTALLED IN CEILING ABOVE FOUNTAIN, 8 GPH (EACH) OF 50 DEGREE WATER AT 90 DEGREE AMBIENT AND 90 DEGREE AMBIENT INLET WATER. MODEL # ECHB. ELKAY L2WS-S528K. PROVIDE CANE TOUCH SKIMP TO COMPLY WITH ADA GUIDELINES. P-TRAP: 1-1/4" CHROME PLATED CAST BRASS TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON. MCGUIRE 8872. SUPPLIES: 1/2" I.P.S. X 3/8" O.D. CHROME PLATED STOP VALVE WITH ESCUTCHEON AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISER, MCGUIRE 2165. CARRIER: RECTANGULAR STEEL TUBING UPRIGHTS WITH WELDED 3" X 4-1/2" BASE ANCHORED TO CONCRETE SLAB WITH (4) 1/2" BOLTS. ADJUSTABLE SLEEVE FOR CONNECTION TO HANGER PLATE PROVIDED BY FIXTURE MANUFACTURER. MIFAB MC-33. ROUGH-IN: 2" WASTE, 2" VENT, 1/2" COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR HEIGHT REQUIREMENTS.
FIRE SYSTEM	
FDC	FIRE DEPARTMENT CONNECTION SIZE: 4"x2-1/2"x2-1/2"
HYDRANTS (HB, RH, WH)	
HB-1	DESCRIPTION: HOSE BIBB. EXPOSED TYPE, MILD CLIMATE, WALL-MOUNTED FAUCET WITH 3/4" F.P.T. INLET, 3/4" MALE HOSE THREAD OUTLET AND SELF-DRAINING ANTI-SIPHON VACUUM BREAKER. CHROME PLATED BRASS FINISH WITH REMOVABLE TEE HANDLE. CHICAGO 952-CP. ROUGH-IN: 3/4" COLD WATER. INSTALL WITH OUTLET AT 18" A.F.F. OR AS DIRECTED BY ARCHITECT/OWNER.
HB-2	DESCRIPTION: NON-FREEZE ROOF HYDRANT WITH EPOXY COATED CAST IRON HEAD WITH LIFT HANDLE NAD LOCK OPTION GALVANIZED CASING, BRONZE INTERNAL WORKING PARTS AND VALVE HOUSING, INTEGRAL EPOXY COATED CAST IRON ROOF MOUNTING PLATE WITH CLAMPING COLLAR, AND 1/8" NPT DRAIN PORT. WATTS HY-900 ROUGH-IN: 3/4" COLD WATER.
WH-1	SERVICE: GENERAL USE DESCRIPTION: WALL HYDRANT IN S.S. BOX, 3/4" NON-FREEZE, 1/4" TURN CERAMIC DISC CARTRIDGE, STAINLESS STEEL FINISH WITH ANTI-SIPHON VACUUM BREAKER AND LOOSE TEE KEY. INSTALL WITH BOTTOM OF HYDRANT 18" A.F.F. WADE 8601-MT-175. ROUGH-IN: 3/4" COLD WATER.
WH-3	SERVICE: DUMPSTER PAD - HOT AND COLD WATER DESCRIPTION: WALL HYDRANT, CONCEALED BOX TYPE, 3/4" NON-FREEZE, DUAL CHECK BACKFLOW PREVENTOR, CHROME PLATED BRASS FINISH WITH ANTI-SIPHON VACUUM BREAKER AND LOOSE TEE KEY. INSTALL WITH BOTTOM OF BOX 24" A.F.F. WADE 8606HC-89. ROUGH-IN: 3/4" HOT AND COLD WATER.
LAVATORY (L)	
HW-1	DESCRIPTION: LAVATORY, WALL HUNG, VITREOUS CHINA, 21-1/4" x 18-1/4" BOWL WITH FRONT OVERFLOW, WHITE, ADA COMPLIANT, CONCEALED ARM SUPPORTS, AND THREE FAUCET HOLES ON 8" CENTERS. AMERICAN STANDARD "LUCERNE" 9356 015. FAUCET: CHROME PLATED BRASS DECK MOUNTED FAUCET WITH THREE FAUCET HOLE INSTALLATION ON 8" SPREAD, 5" GOOSENECK SPOUT, 4" WRIST BLADE HANDLES, AND 1.5 GPM FLOW RATE. ELKAY MODEL LK8000N014. STRAINER: 1-1/4" 17 GAUGE OFFSET WHEELCHAIR STRAINER, CHROME PLATED BRASS GRID DRAIN WITH ELBOW AND 17 GAUGE OFFSET TAILPIECE. MCGUIRE 155VC. GRAVITY FED TRAP PRIMER TAILPIECE, 1/2" NOMINAL BRANCH CONNECTION. SIOUX CHIEF" 213-092. P-TRAP: 1-1/4" 17 GAUGE CHROME PLATED HEAVY CAST BRASS TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON PLATE. MCGUIRE 8872. SUPPLIES: 1/2" I.P.S. X 3/8" O.D. CHROME PLATED LOOSE KEY STOP VALVE WITH ESCUTCHEON AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS, MCGUIRE 2165K. TWO, THERMOSTATIC MIXING VALVE, 140 DEGREES IN, 110 DEGREES OUT, BRONZE FINISH, UNION CONNECTION, SPSS PRESSURE DIFFERENTIAL, 0.5GPM MIN FLOW/4GPM MAX FLOW, SYMMONS "MAXLINE" 7-225-CK-W. INSTALL PER EVERY FIXTURE. CARRIER: RECTANGULAR STEEL TUBING UPRIGHTS WITH WELDED 4" SQUARE BASE ANCHORED TO CONCRETE WITH (4) 1/2" BOLTS. ADJUSTABLE SLEEVE, THREADED CONCEALED ARMS, ALIGNMENT BAR, LOCKING DEVICE, AND LEVELING SCREWS. WADE W520-M36. ROUGH-IN: 2" WASTE, 2" VENT, 1/2" HOT AND COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED HEIGHTS.
HW-2	DESCRIPTION: SINK, COUNTER MOUNTED, SELF-RIMMING, 18 GAUGE TYPE 302 STAINLESS STEEL, 22" X 19" X 4" DEEP. SINGLE COMPARTMENT WITH FAUCET DECK, FOUR FAUCET HOLES ON 4" CENTERS, ELKAY "LUSTERSTONE" L70A-2219. FAUCET: 8" CENTERS 4" CHROME PLATED WRIST BLADE HANDLES, HOSE AND SPRAY, QUARTER TURN CARTRIDGES, CHROME PLATED GOOSE NECK BRASS SPOUT WITH OMNI FLOW AERATOR. CHICAGO 1200A-300-E3. STRAINER: STAINLESS STEEL SINK GRID STRAINER WITH WHEELCHAIR OFFSET AND TAILPIECE. MCGUIRE 1520VC. INTERCEPTOR: CAST IRON SOLIDS INTERCEPTOR WITH ACID RESISTANT COATING, INTEGRAL DEEP SEAL TRAP, CLEANOUT, REMOVABLE PERFORATED STAINLESS STEEL, SEDIMENT BUCKET WITH LIFT HANDLE, AND GAS TIGHT COVER. PROVIDE EXTENSION TO WALL WITH ESCUTCHEON PLATE. COORDINATE PLACEMENT WITH FINAL CASEWORK PLANS TO INSURE ACCESS FOR MAINTENANCE AND TO MAINTAIN ALL REQUIRED 2" S.S. CLEARANCES. WADE 5740. SUPPLIES: 1/2" I.P.S. X 3/8" O.D. WITH ESCUTCHEONS AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS, MCGUIRE 2165K. TWO, THERMOSTATIC MIXING VALVE, 140 DEGREES IN, 110 DEGREES OUT, BRONZE FINISH, UNION CONNECTION, SPSS PRESSURE DIFFERENTIAL, 0.5GPM MIN FLOW/4GPM MAX FLOW, SYMMONS "MAXLINE" 7-225-CK-W. INSTALL PER EVERY FIXTURE. ROUGH-INS: 3" WASTE, 2" VENT, 1/2" HOT AND COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED HEIGHT.
L-1	DESCRIPTION: SELF-RIMMING WHITE VITREOUS CHINA OVAL LAVATORY 20-3/8" x 17-3/8" x 7" DEEP WITH SINGLE FAUCET HOLE. FRONT OVERFLOW, BARRIER FREE, AND FAUCET LEDGE. AMERICAN STANDARD MODEL 0475 047. FAUCET: DECK MOUNTED SENSOR FAUCET WITH 4-1/2" SPOUT, INWARD, BOX TRANSFORMER, POLISHED CHROME, HARDWIRED, 4" TRIM PLATE, AND 1.5 GPM FLOW RATE. SLOAN MODEL ETR-010. STRAINER: 1-1/4" 17 GAUGE OFFSET WHEELCHAIR STRAINER, CHROME PLATED BRASS GRID DRAIN WITH ELBOW AND 17 GAUGE OFFSET TAILPIECE. MCGUIRE 155VC. GRAVITY FED TRAP PRIMER TAILPIECE, 1/2" NOMINAL BRANCH CONNECTION. SIOUX CHIEF" 213-092. P-TRAP: 1-1/4" 17 GAUGE CHROME PLATED HEAVY CAST BRASS TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON PLATE. MCGUIRE 8872. SUPPLIES: 1/2" I.P.S. X 3/8" O.D. CHROME PLATED LOOSE KEY STOP VALVE WITH ESCUTCHEON AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS, MCGUIRE 2165K. TWO, THERMOSTATIC MIXING VALVE, 140 DEGREES IN, 110 DEGREES OUT, BRONZE FINISH, UNION CONNECTION, SPSS PRESSURE DIFFERENTIAL, 0.5GPM MIN FLOW/4GPM MAX FLOW, SYMMONS "MAXLINE" 7-225-CK-W. INSTALL PER EVERY TWO FIXTURES. CARRIER: RECTANGULAR STEEL TUBING UPRIGHTS WITH WELDED 4" SQUARE BASE ANCHORED TO CONCRETE WITH (4) 1/2" BOLTS. ADJUSTABLE SLEEVE, THREADED CONCEALED ARMS, ALIGNMENT BAR, LOCKING DEVICE, AND LEVELING SCREWS. WADE W520-M36. ROUGH-IN: 2" WASTE, 2" VENT, 1/2" HOT AND COLD WATER.
MOP SINK (MS)	
MS-1	DESCRIPTION: ONE PIECE PRECAST TERRAZZO FLOOR MOUNTED MOP BASIN 36" X 24" X 12" HIGH AND 6" HIGH DROP FRONT WITH MOP SERVICE SINK BASIN FITTING, HOSE & HOSE BRACKET, MOP HANGER, STAINLESS STEEL STAINER (FI453B8), ALUMINUM BUMPER/GUARD WITH VINYL INSERT, SILICONE SEALANT, AND STAINLESS STEEL WALL GUARDS. FIAT MODEL 1580403 SERIES. FAUCET: CHROME PLATED FAUCET WITH VACUUM BREAKER, INTEGRAL STOPS, ADJUSTABLE WALL BRACE, PAIL HOOK AND 3/4" HOSE THREAD ON SPOUT, AND 8" CENTERSET, FIAT MODEL 830AA. MIXING VALVE: THERMOSTATIC MIXING VALVE, 140 DEGREES IN, 110 DEGREES OUT, BRONZE FINISH, UNION CONNECTION, SPSS PRESSURE DIFFERENTIAL, 0.5GPM MIN FLOW/4GPM MAX FLOW, SYMMONS "MAXLINE" 7-225-CK-W. ROUGH-IN: 3" WASTE, 2" VENT, 1/2" HOT AND COLD WATER.
P-4	TYPE: P-4 MOP SINK CABINET DESCRIPTION: PROVIDED BY FOOD SERVICE CONTRACTOR, INSTALLED BY PLUMBING CONTRACTOR. MIXING VALVE: THERMOSTATIC MIXING VALVE, 140 DEGREES IN, 110 DEGREES OUT, BRONZE FINISH, UNION CONNECTION, SPSS PRESSURE DIFFERENTIAL, 0.5GPM MIN FLOW/4GPM MAX FLOW, SYMMONS "MAXLINE" 7-225-CK-W. ROUGH-IN: 3" WASTE, 2" VENT, 1/2" HOT AND COLD WATER.
SINK (HS, SK)	
P-1	TYPE: P-1 HAND WASH SINK DESCRIPTION: PROVIDED BY FOOD SERVICE CONTRACTOR, INSTALLED BY PLUMBING CONTRACTOR. TWO, THERMOSTATIC MIXING VALVE, 140 DEGREES IN, 110 DEGREES OUT, BRONZE FINISH, UNION CONNECTION, SPSS PRESSURE DIFFERENTIAL, 0.5GPM MIN FLOW/4GPM MAX FLOW, SYMMONS "MAXLINE" 7-225-CK-W. STRAINER: HEAVY DUTY STEEL BASKET STRAINER WITH 1-1/2" TAILPIECE AND LOCK NUTS. MCGUIRE 151A. P-TRAP: 1-1/2" 17 GAUGE CHROME PLATED CAST BRASS TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON PLATE. MCGUIRE 8912. SUPPLIES: 1/2" I.P.S. X 3/8" O.D. WITH ESCUTCHEONS AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS, MCGUIRE 2165. ROUGH-INS: 2" WASTE, 2" VENT, 1/2" HOT AND COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED HEIGHT.
P-2	TYPE: P-2 TWO COMPARTMENT SINK DESCRIPTION: PROVIDED BY FOOD SERVICE CONTRACTOR, INSTALLED BY PLUMBING CONTRACTOR. SUPPLIES: 1/2" I.P.S. X 3/8" O.D. WITH ESCUTCHEONS AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS, MCGUIRE 2165. ROUGH-INS: 1/2" HOT AND COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED HEIGHTS.
P-3	TYPE: P-3 THREE COMPARTMENT SINK DESCRIPTION: PROVIDED BY FOOD SERVICE CONTRACTOR, INSTALLED BY PLUMBING CONTRACTOR. SUPPLIES: 1/2" I.P.S. X 3/8" O.D. WITH ESCUTCHEONS AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS, MCGUIRE 2165. ROUGH-INS: 1/2" HOT AND COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED HEIGHTS.
SK-1	DESCRIPTION: ADA COMPLIANT SINK, SINGLE BOWL, UNDERMOUNT, 18 GAUGE TYPE 304 STAINLESS STEEL, 30-1/2" X 18-1/2" X 4-7/8". ELKAY LUSTERSTONE ELH20281650. FAUCET: CHROME PLATED FAUCET WITH SPRAY HANDLE, SINGLE HANDLE WITH 9" SPOUT, VANDAL RESISTANT AERATOR WITH A MAX FLOW 1.5GPM. MOEN 8071. STRAINER: HEAVY DUTY STEEL BASKET STRAINER WITH 1-1/2" TAILPIECE AND LOCK NUTS. MCGUIRE 151A. P-TRAP: 1-1/2" 17 GAUGE CHROME PLATED CAST BRASS TRAP WITH CLEANOUT AND EXTENSION TO WALL WITH ESCUTCHEON PLATE. MCGUIRE 8912. SUPPLIES: 1/2" I.P.S. X 3/8" O.D. WITH ESCUTCHEONS AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS, MCGUIRE 2165K. TWO, THERMOSTATIC MIXING VALVE, 140 DEGREES IN, 110 DEGREES OUT, BRONZE FINISH, UNION CONNECTION, SPSS PRESSURE DIFFERENTIAL, 0.5GPM MIN FLOW/4GPM MAX FLOW, SYMMONS "MAXLINE" 7-225-CK-W. INSTALL PER EVERY TWO FIXTURES. ROUGH-INS: 2" WASTE, 2" VENT, 1/2" HOT AND COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED HEIGHT.
TRAP PRIMER (TP-1)	

PLUMBING FIXTURE SCHEDULE

TYPE	FIXTURE DESCRIPTION
TP-1	SERVES 1 FLOOR DRAIN TRAP. REFER TO PLANS. LAVATORY TAIL PIECE TRAP PRIMING ASSEMBLY, PRECISION PLUMBING PRODUCTS LTP-1500, 1/2" COLD WATER.
URINAL (U)	DESCRIPTION: URINAL, WALL HUNG (ADA COMPLIANT), 1.6 GALLON PER FLUSH SIPHON JET ACTION, INTEGRAL TRAP, AMERICAN STANDARD "WASHROOM" 6601 010. FLUSH VALVE: EXPOSED AUTOMATIC SENSOR 1.0 GALLON FLUSH CYCLE, CHROME PLATED CLOSET FLUSHMETER, VACUUM BREAKER, VANDAL RESISTANT STOP COVER, HARDWIRED, TRUE MECHANICAL OVERRIDE FLUSH BUTTON, A.D.A. COMPLIANT, SPOD COUPLING FOR 3/4" TOP SPUD. SLOAN ROYAL 186 SFSM-1.0-TMO. CARRIER: RECTANGULAR STEEL TUBING UPRIGHTS WITH WELDED 4" SQUARE BASE ANCHORED TO CONCRETE WITH (4) 1/2" BOLTS, ADJUSTABLE SLEEVE, UPPER AND LOWER BEARING PLATES WITH THREADED STUDS, WITH STAINLESS STEEL HARDWARE AND SUPPORT RODS. WADE #W400-AM1-SSH. ROUGH-IN: 2" WASTE, 2" VENT, 3/4" COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED MOUNTING HEIGHTS.
W-2	DESCRIPTION: SAME AS URINAL MARKED "U-1", EXCEPT MOUNTED AT STANDARD HEIGHT. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND ROUGH-IN.
WATER CLOSET (WC)	
WC-1	DESCRIPTION: WALL HUNG WATER CLOSET (A.D.A. COMPLIANT), 1.6 GALLON PER FLUSH SIPHON JET ACTION, VITREOUS CHINA, ELONGATED BOWL WITH 1-1/2" TOP SPUD INLET AND BOLT COVERS, AMERICAN STANDARD "AFWALL" 2257 101. SEAT: ELONGATED OPEN FRONT WHITE PLASTIC SEAT WITH SELF-SUSTAINING CHECK HINGES. CHURCH & DWIGHT 9800SSCT. FLUSH VALVE: ELECTRONIC 1.6 GALLON FLUSH CYCLE, EXPOSED, CHROME PLATED CLOSET FLUSHMETER, VACUUM BREAKER, HARDWIRED, SINGLE FLUSH, SPOD COUPLING FOR 1-1/2" TOP SPUD, AND TRUE MECHANICAL OVERRIDE FLUSH BUTTON. SLOAN ROYAL 111 SFSM-1.6-TMO. INSTALL FLUSH VALVE HANDLE (FLUSH BUTTON) ON OPEN SIDE OF A.D.A. TOILET STALL. CARRIER: MIFAB MC-10 HORIZONTAL OR MC-12.13 VERTICAL. SUPPLIES: 1/2" I.P.S. X 3/8" O.D. WITH ESCUTCHEONS AND 3/8" COMPRESSION CHROME PLATED FLEXIBLE RISERS, MCGUIRE 2165K. ROUGH-IN: 4" WASTE, 3" VENT, 1" COLD WATER. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND ROUGH-IN.
WC-2	DESCRIPTION: SAME AS WATER CLOSET MARKED "WC-1", EXCEPT MOUNTED AT STANDARD HEIGHT. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND ROUGH-IN.

CIRCULATION PUMP SCHEDULE

MARK	MANUFACTURER	MODEL	DESCRIPTION	TYPE	HEAD FEET	V	P	F	ELECTRICAL CHAR.
CP-1	ARMSTRONGS	COMPASS H H20-35 SS P2	CIRCULATION PUMP	BRONZE	6	115	1	60	
CP-2	GROUNFOS	UPS 26-150 SF	CIRCULATION PUMP	STAINLESS STEEL	39.43	115	1	60	

DOMESTIC BOOSTER PUMP SCHEDULE

ITEM	DESCRIPTION	TYPE	SYSTEM FLOW RATE (GPM)	FEET HEAD (FEET)	N.P. MIN. (E.A.)	VOLTI PHASE	MAX. RPM	MANUFACTURER AND MODEL
DP-1	DUPLEX BOOSTER PUMP	STAINLESS STEEL	110	110.5	4	480/360	3450	TIGERFLOW MODEL TF-01-000

PUMP NOTES:

1. PROVIDE VFD ON EACH BOOSTER PUMP. DRIVES SHALL BE CONTAINED WITHIN A SINGLE ELECTRICAL ENCLOSURE (MIN. NEMA3E 3R UNLESS NOTED OTHERWISE). PANEL SHALL HAVE A MAIN DISCONNECT AND SINGLE POINT CONNECTION.
2. PROVIDE 80 GALLON VERTICAL BLADDER TANK FOR BOOSTER PUMP PACKAGE. ELB TANK #WTL-200V.
3. BOOSTER PUMP PACKAGE TO INCLUDE DRY-RUN PROTECTION, SURGE PROTECTION, INDIVIDUAL PUMP RUN INDICATION, PROVIDE COMMUNICATION INTERFACE WITH BUILDING AUTOMATION SYSTEM FOR SYSTEM CONDITIONS AND ALL ALARMS INCLUDING: LOW SUCTION ALARM, LOW SYSTEM PRESSURE, HIGH SYSTEM PRESSURE, PUMP/VPD FAULT, PUMP STATUS (EACH PUMP), SYSTEM SET POINT, SYSTEM PRESSURE, PUMP RUN TIMES AND SYSTEM ENERGY CONSUMPTION.
4. BOOSTER PUMP PACKAGE HEADERS SHALL BE CONSTRUCTED OF 316 STAINLESS STEEL WITH FLANGED CONNECTIONS ON ALL ENDS. PROVIDE ISOLATION VALVES ON EACH PUMP AND ISOLATION VALVES ON ALL ENDS. PROVIDE ISOLATION VALVES ON EACH PUMP AND ISOLATION VALVES ON ALL ENDS.
5. BOOSTER PUMP PACKAGE SUPPLIER SHALL INCLUDE ANY AND ALL SERVICES AS REQUIRED FOR DATA ACQUISITION AND OPERATING MODE INCLUDING BUT NOT LIMITED TO TEMPERATURE SENSORS, PRESSURE SENSORS.

FIRE PUMP AND JOKEY PUMP SCHEDULE

MARK	MANUFACTURER	MODEL	PUMP PRESSURE (P.S.I.)	GPM	H.P.	MAXIMUM RPM	ELECTRICAL CHAR.
FP-1	AC FIRE PUMP	6M407F	50	500	20	3500	480 3 60 Hz
JP-1	AC FIRE PUMP		80	7	2	3500	480 3 60 Hz

FIRE PUMP SIZES:

FIRE PUMP SIZES, CAPACITIES AND HORSE POWERS LISTED SHALL BE CONSIDERED AS MINIMUMS AND ARE LISTED FOR INFORMATION ONLY. THE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR A COMPLETE PUMPING SYSTEM COMPLYING WITH THE REQUIREMENTS OF NFPA 2010 AND ALL RESPECTS.
FIRE PUMPS SHALL BE LOCATED NEAR AND HAVE ACCESS TO THE FIRE PUMP AND ITS CONTROLS. ALONG WITH THE REQUIRED WATER MAINS AND DOMESTIC BOOSTER PUMP, NO OTHER EQUIPMENT CAN BE INSTALLED IN THIS ROOM. THIS INCLUDES BUMP PUMPS, SETTING BASINS, PUMP STATIONS, SEWAGE EJECTORS, TRIPLE OIL BASINS, GAS METERS, ELECTRICAL CONTROL PANELS, ETC. REFER TO NFPA AND NFPA.

FIRE PUMP AND JOKEY PUMP CONTROLLER SCHEDULE

MARK	MANUFACTURER	MODEL	CONTROLLER TYPE	TRANSFER SWITCH MODEL #	STANDARD FEATURES	COMMENTS
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