

DESIGNER

CLARK NEXSEN

333 FAYETTEVILLE STREET, SUITE 1000
 RALEIGH, NORTH CAROLINA 27601
 919-828-1876

CLARK NEXSEN LICENSE NUMBER: C-1028

PROFESSIONAL SEAL



SUBMITTAL

03.12.2021

CONSTRUCTION DOCUMENTS

REVISIONS

KEY PLAN

SHEET

SCHEDULES

P-601

DESIGN: DKB
 DRAWN: DLR
 REVIEW: WAW

CN 7904-A

RECIRCULATING PUMP SCHEDULE										
MARK	TYPE	SYSTEM	LOCATION	CAPACITY			SPEED	PHASE	VOLTAGE	NOTES
				GPM	FT. HD.	HP				
CP-1	CIRC	DHWR	POOL STORAGE/RISER ROOM 104	1	24	-	3	SEE ELECTRICAL SHEETS	SEE ELECTRICAL SHEETS	BASIS OF DESIGN GRUNDFOS MODEL: 10-16 PM/BULC

WATER HEATER SCHEDULE										
MARK	LOCATION	TYPE	MOUNTING	STORAGE CAPACITY IN GALLONS	TEMP RISE GPH 40°F TO 140°F	RECOVERY (GPH)	INPUT KW	PHASE / VOLTAGE	BASIS OF DESIGN	
									ELECTRIC	FLOOR
WH-1	POOL STORAGE/RISER ROOM 104	ELECTRIC	FLOOR	119	100	41	10	SEE ELECTRICAL SHEETS		

PLUMBING SPECIALTIES SCHEDULE		
MARK	EQUIPMENT DESCRIPTION	MANUFACTURERS BASIS-OF-DESIGN
BFP-1	BACKFLOW PREVENTER (RPZ)	WATTS MODEL: LF906L; PROVIDE QUARTER TURN BALL VALVES, PROVIDE WYE STRAINER, PROVIDE 909AG-F AIRGAP AND PIPE TO FLOOR DRAIN
CO		
DSN-1	DOWNSPOUT NOZZLE	J.R. SMITH MODEL: 1775
ET-1	EXPANSION TANK	AMTROL MODEL: ST-12C, 6 GALLON CAPACITY
FD-1	FLOOR DRAIN	J.R. SMITH MODEL: 2051, SPEEDI SET CONNECTION, 6" NICKEL BRONZE STRAINER, PROVIDE TRAP GUARD
FD-2	FLOOR DRAIN	J.R. SMITH MODEL: 2142, SPEEDI SET CONNECTION, 12" CAST IRON STRAINER, PROVIDE SEDIMENT BUCKET AND TRAP GUARD
GCO	GROUND CLEANOUT	J.R. SMITH MODEL: 4111 SERIES, SPEEDI SET CONNECTION, SIZED PER WASTE PIPE
HB-1	HOSE BIBB	WOODFORD MODEL: 24, PROVIDE CHROME FINISH, PROVIDE LOOSE KEY IN RESTROOMS, PROVIDE WHEEL HANDLE IN MECHANICAL ROOM
MW-1	THERMOSTATIC MIXING VALVE	CHICAGO MODEL: 131-CFMABRCR, PROVIDE AT EACH LAVATORY AND SINK, INSTALL T & S BRASS MODEL: 016419-25 3/8" COMPRESSION IN-LINE CHECK VALVE WITH FILTER WASHER FITTING ON EACH SUPPLY STOP
MW-2	THERMOSTATIC MIXING VALVE	WATTS MODEL: LFMMVM-US, PROVIDE 3/4" SIZE WITH UNION SOLDERED CONNECTIONS, PROVIDE THERMOSTATIC THERMOPROTECT ON OUTLET
MW-3	THERMOSTATIC MIXING VALVE	GUARDIAN MODEL: G3802, PROVIDE SURFACE MOUNTED CABINET, PROVIDE 1-1/4" TEMPERED WATER CONNECTION, SAFETY POWER SET AT 85 DEGREES FAHRENHEIT
NFDH-1	NON FREEZE DECK HYDRANT	WOODFORD MODEL: Y96, PROVIDE 3/4" CONNECTION, PROVIDE 1" BRASS CASING, PROVIDE 3" BURY DEPTH, PROVIDE INTEGRAL VACUUM BREAKER
NFWH-1	NON FREEZE DECK HYDRANT	ZURN MODEL: Z1320XL, PROVIDE MINIMUM 6" WALL THICKNESS, MUST MEET LEAK TEST REQUIREMENTS
OD-1	OVERFLOW ROOF DRAIN	J.R. SMITH MODEL: 1045, PROVIDE 2" WATER DAM, PROVIDE NO HUB CONNECTION, PROVIDE UNDERDECK CLAMP
PRV-1	PRESSURE REGULATING VALVE	WATTS MODEL: LFN223M-SS, 3", PROVIDE WYE STRAINER, PROVIDE 1/2" CONNECTIONS ON EACH SIDE, PROVIDE 1" PRV-2 BYPASS, SEE DETAIL SHEETS
PRV-2	PRESSURE REGULATING VALVE	WATTS MODEL: LF223S, 1", PROVIDE WYE STRAINER, SEE DETAIL SHEET
RD-1	ROOF DRAIN	J.R. SMITH MODEL: 1015, PROVIDE NO HUB CONNECTION, PROVIDE UNDERDECK CLAMP
TD-1	TRENCH DRAIN	ZURN MODEL: Z880, PROVIDE 2-1/2" WIDE X 4" DEEP ETHYLENE PROPYLENE DRAIN CONNECTIONS, REQUIRE 10' MINIMUM LENGTH, PROVIDE END CAPS, PROVIDE HEEL-PROOF POLYETHYLENE SLOTTED GRATE, PROVIDE 1-1/2" BOTTOM OUTLET, PROVIDE VANDAL PROOF GRATE LOCK DOWN
WCO	WALL CLEANOUT	J.R. SMITH MODEL: 4710, PROVIDE 1/2" LARGE CLEAN WALL OPENING
WHA-1	WATER HAMMER ARRESTER	PRECISION PLUMBING PRODUCTS, SIZE AS INDICATED
WM-1	WATER METER	NEPTUNE MODEL: T-10, PROVIDE 2" FLANGED TYPE, PROVIDE E-CODED DIGITAL METER READER, PROVIDE TRICON SMARTTROL REMOTE READER IN PVC NEMA 4 ENCLOSURE MOUNTED ON MECH. ROOM WALL AT 5' HEIGHT ABOVE FINISH FLOOR, COORDINATE READOUT LOCATION WITH OWNER

PLUMBING FIXTURE SCHEDULE												
MARK	FIXTURE	TYPE	FIXTURE			CONNECTIONS				MOUNTING HEIGHT	ACCESSORY BASIS OF DESIGN	
			BASIS OF DESIGN MANUFACTURER	MODEL NO.	FINISH	HW	WASTE	VENT (MIN)	MOUNTING			
P-1	WATER CLOSET	FLUSH VALVE	KOHLER	K-96053	ELONGATED BOWL SIFON JET ACTION	1"	-	4"	2"	FLOOR	15-1/2"	PROVIDE SLOAN MODEL: ECOS 8111-1.1 811 1-CO, FLUSH VALVE WITH POLISHED CHROME FINISH, TOP SPUD, DUAL FLUSH, BATTERY OPERATED, CARBON OFFSET, EXPOSED SENSOR, PROVIDE KOHLER MODEL: K-4731-C, WHITE, ELONGATED, HEAVY DUTY, OPEN FRONT, SEAT WITH CHECK HINGE
P-2	WATER CLOSET (ADA)	FLUSH VALVE	KOHLER	K-96053	SIPHON JET ACTION	1"	-	4"	2"	FLOOR	ADA 16-1/2" RIM	PROVIDE SLOAN MODEL: ECOS 8111-1.611 1-CO, FLUSH VALVE WITH POLISHED CHROME FINISH, TOP SPUD, SINGLE FLUSH, BATTERY OPERATED, CARBON OFFSET, EXPOSED SENSOR, PROVIDE KOHLER MODEL: K-4731-C, WHITE, ELONGATED, HEAVY DUTY, OPEN FRONT, SEAT WITH CHECK HINGE
P-3	URNAL (ADA)	FLUSH VALVE	KOHLER	K-96053	WASHOUT FLUSHING RIM	3/4"	-	2"	2"	WALL CARRIER	ADA 17" RIM	PROVIDE SLOAN MODEL: ECOS 8186-0.125-OR-CO, FLUSH VALVE WITH POLISHED CHROME FINISH, TOP SPUD, SINGLE FLUSH, BATTERY OPERATED, CARBON OFFSET, EXPOSED SENSOR, PROVIDE J.R. SMITH 0642 FLOOR MOUNTED-CARRIER WITH TOP AND BOTTOM SUPPORTING PLATES AND STUDS
P-4	LAVATORY (ADA)	UNDERMOUNT	KOHLER	K-2211	COUNTER TOP UNDERMOUNT	1/2"	1/2"	1-1/2"	1-1/2"	COUNTER TOP	-	PROVIDE SLOAN MODEL: EDF-650-TUR-TEE-CP-0.35GPM-MLM-IR-BT-FCT, FAUCET, 4" DECK MOUNTED, BATTERY + TURBINE POWER SUPPLY, BACK CHECK TEE, POLISHED CHROME FINISH, .035 GPM MULTI-LAMINAR SPRAY, INFRARED SENSOR, PROVIDE CHICAGO MODEL: 131-CFMABRCF, MIXING VALVE WITH T & S BRASS MODEL: 016419-25 3/8" COMPRESSION IN-LINE CHECK VALVE WITH FILTER WASHER, PROVIDE MCGUIRE MODEL: LF170LK, LOOSE KEY, STOPS WITH SWEAT TUBE EXTENSIONS AND SUPPLIES, PROVIDE MCGUIRE MODEL: 155ASAN, GRID STRAINER, PROVIDE MCGUIRE MODEL: 887ZCBECO, 1-1/4" CAST BRASS P-TRAP WITH CLEAN OUT, PROVIDE TRUEBRO MODEL: 103 EZ, TRAP AND SUPPLY GUARD
P-5	LAVATORY (ADA)	WALL HUNG	KOHLER	K-2032	LEDGEBACK	1/2"	1/2"	1-1/2"	1-1/2"	WALL CARRIER	ADA 34" RIM	PROVIDE SLOAN MODEL: EDF-650-TUR-TEE-CP-0.35GPM-MLM-IR-BT-FCT, FAUCET, 4" DECK MOUNTED, BATTERY + TURBINE POWER SUPPLY, BACK CHECK TEE, POLISHED CHROME FINISH, .035 GPM MULTI-LAMINAR SPRAY, INFRARED SENSOR, PROVIDE CHICAGO MODEL: 131-CFMABRCF, MIXING VALVE WITH T & S BRASS MODEL: 016419-25 3/8" COMPRESSION IN-LINE CHECK VALVE WITH FILTER WASHER, PROVIDE MCGUIRE MODEL: LF170LK, LOOSE KEY, STOPS WITH SWEAT TUBE EXTENSIONS AND SUPPLIES, PROVIDE MCGUIRE MODEL: 155ASAN, GRID STRAINER, PROVIDE MCGUIRE MODEL: 887ZCBECO, 1-1/4" CAST BRASS P-TRAP WITH CLEAN OUT, PROVIDE TRUEBRO MODEL: 103 EZ, TRAP AND SUPPLY GUARD
P-6	MOP SINK	TERRAZZO	STERN-WILLIAMS	HL-1810	24" X 24" DROP FRONT	1/2"	1/2"	3"	2"	FLOOR	12"	PROVIDE WILLIAMS MODEL: T-10-VB, 8" CENTERS, CHROME FINISH, MOP SINK FAUCET WITH VACUUM BREAKER, ADJUSTABLE TOP BRACE, 3/4" HOSE THREADED SPOUT, AND PAL HOOK, PROVIDE WILLIAMS MODEL: T-35, 36" LONG HOSE AND STAINLESS STEEL WALL BRACKET
P-7	WATER COOLER (ADA)	BI-LEVEL	ELKAY	LZSTL68WSSK	BOTTLE FILLER	1/2"	-	2"	2"	WALL CARRIER	STANDARD - 37" ADA 33" RIM	PROVIDE ELKAY MODEL: LZSTL68WSSK, BI-LEVEL, ELECTRIC, HIGH EFFICIENCY, FILTERED, 8 GPH, STAINLESS STEEL FINISH, WITH HANDS FREE, VISUAL FILTER MONITOR, GREEN TICKER, BOTTLE FILLING STATION, PROVIDE J.R. SMITH MODEL: 0830, WATER COOLER CARRIER, FLOOR MO
P-8	WATER COOLER FREEZE PROOF (ADA)	WALL HUNG (ADA)	MURDOCK	M-08R4-GRD-F-RA3	BOTTLE FILLER	1/2"	-	2"	2"	RECESSED FREEZE RESISTANT	STANDARD - 37" ADA 33" RIM	PROVIDE FRA3 FREEZE RESISTANT VALVE SYSTEM, 3 VALVES (LESS FILTER AND SENSOR), PROVIDE A910080-A-SRC, REMOTE WATER CHILLER, 8 GPH, LOCATE REMOTE CHILLER IN POOL, EQUIPMENT STORAGE ROOM, PROVIDE WALL SHELF TO SUPPORT REMOTE CHILLER AT 6" AFF
P-9	SINK (ADA)	SELF-RIMMING	ELKAY	GEGR2521	STAINLESS STEEL	1/2"	1/2"	2"	2"	COUNTER TOP	ADA 34" RIM	PROVIDE MOEN MODEL: 8701, 8" CENTER SET KITCHEN STYLE FAUCET WITH 9" SPOUT, CHROME FINISH, 1.5 GPM LAMINAR FLOW DEVICE, SOLID BRASS CONSTRUCTION, PROVIDE CHICAGO MODEL: 131-CFMABRCF, MIXING VALVE WITH T & S BRASS MODEL: 016419-25 3/8" COMPRESSION IN-LINE
P-10	OUTDOOR SHOWER (ADA)	WALL HUNG	OUTDOOR SHOWER COMPANY	WM-442-ADA-FS	STAINLESS STEEL	1/2"	1/2"	1-1/2"	1-1/2"	WALL	MOUNT HEAD AT 78" AFF	PROVIDE OPTIONAL METERED PUSH HANDLE FOOT RINSE VALVE, PROVIDE MV-3 MIXING VALVE (SEE PLUMBING SPECIALTIES SCHEDULE THIS SHEET) INSIDE BUILDING (SEE RISER DIAGRAM), PROVIDE SHUT OFF VALVE AND DRAIN VALVE INSIDE BUILDING (SEE RISER DIAGRAM)
P-11	EMERGENCY SHOWER AND EYE WASH	COMBINATION FLOOR MOUNTED SAFETY FIXTURE	BRADLEY	S19-310/PVC	PVC	1-1/4"	1-1/4"	3"	2"	FLOOR	-	PROVIDE MV-2 (SEE PLUMBING SPECIALTIES SCHEDULE THIS SHEET)

Order Plans @ W.W.Williams@clarknexsen.com