

**PLUMBING FIXTURE SCHEDULE**

MARK	FIXTURE, MODEL #, DESCRIPTION	ROUGH-IN			
		WASTE	VENT	CW	HW
WC	WATER CLOSET, WALL HUNG AMERICAN STANDARD "AFWALL" #2257.103 1.6 GALLON FLUSH WITH OLSONITE #95 OPEN FRONT SEAT LESS COVER. ZURN ZR6000AV-WS1 SENSOR OPERATED BATTERY POWERED FLUSH VALVE. MOUNT AT STANDARD HEIGHT	3"	2"	1"	---
WC-HC	WATER CLOSET, WALL HUNG, HANDICAPPED AMERICAN STANDARD "AFWALL" #2257.103 1.6 GALLON FLUSH WITH OLSONITE #95 OPEN FRONT SEAT LESS COVER. ZURN ZR6000AV-WS1 SENSOR OPERATED BATTERY POWERED FLUSH VALVE. MOUNT AT HANDICAPPED HEIGHT.	3"	2"	1"	---
WC-HC2	WATER CLOSET, HANDICAPPED AMERICAN STANDARD "MADERA" #3043.102 1.6 GALLON FLUSH WITH OLSONITE #95 OPEN FRONT SEAT LESS COVER. ZURN ZR6000AV-WS1 SENSOR OPERATED BATTERY POWERED FLUSH VALVE.	3"	2"	1"	---
LAV	LAVATORY, WALL HUNG AMERICAN STANDARD "LUCERNE" #0356.421 20-1/2"x18-1/4" WALL HUNG LAVATORY WITH ZURN Z6915-F-MV SENSOR OPERATED BATTERY POWERED FAUCET, 1-1/4" CP P-TRAP, GRID DRAIN, STOP AND SUPPLIES.	1-1/2"	2"	---	1/2" (105°F)
LAV-HC	LAVATORY, WALL HUNG, HANDICAPPED AMERICAN STANDARD "LUCERNE" #0356.421 20-1/2"x18-1/4" WALL HUNG LAVATORY WITH ZURN Z6915-F-MV SENSOR OPERATED BATTERY POWERED FAUCET, 1-1/4" CP P-TRAP, GRID DRAIN, CP STOPS, SUPPLIES.	1-1/2"	2"	---	1/2" (105°F)
UR	URINAL AMERICAN STANDARD "ALLBROOK" #6541.132 1.0 GALLON FLUSH WITH ZURN ZR6003AV-WS1 SENSOR OPERATED BATTERY POWERED FLUSH VALVE. MOUNT AT STANDARD HEIGHT.	2"	2"	3/4"	---
UR-HC	URINAL, HANDICAPPED AMERICAN STANDARD "ALLBROOK" #6541.132 1.0 GALLON FLUSH WITH ZURN ZR6003AV-WS1 SENSOR OPERATED BATTERY POWERED FLUSH VALVE. MOUNT AT HANDICAPPED HEIGHT.	2"	2"	3/4"	---
SH	SHOWER VALVE ZURN Z-7100 "TEMP"-GARD PRESSURE BALANCING, SHOWER MIXING VALVE WITH WALL MOUNTED INSTITUTIONAL SHOWER HEAD. ZURN Z415-5B-P SHOWER DRAIN WITH 5" DIAMETER ROUND NICKEL-BRONZE TOP.	2"	2"	1/2"	1/2" 110°F
SH-HC	SHOWER VALVE, HANDICAPPED ZURN Z-7100 "TEMP"-GARD PRESSURE BALANCING, SHOWER MIXING VALVE WITH WALL MOUNTED INSTITUTIONAL SHOWER HEAD. ZURN Z415-5B-P SHOWER DRAIN WITH 5" DIAMETER ROUND NICKEL-BRONZE TOP.	2"	2"	1/2"	1/2" 110°F
EW-C-HC	ELECTRIC WATER COOLER, DUAL LEVEL, HANDICAPPED ELKAY EZSTLBC COOLER, STANDARD COLOR, 1-1/2" 20 GAUGE CP P-TRAP, LESS CO, STOP AND SUPPLIES. 4.0FLA, R134A REFRIGERANT. MOUNT LOWER BOWL NOZZLE AT 30" A.F.F FOR ADA.	1-1/2"	2"	1/2"	---
MSB	MOP SERVICE BASIN FIAT MSB2424 24"x24" MOLDED STONE MOP SERVICE BASIN WITH 830-AA FAUCET, 832-AA HOSE BRACKET AND HANGER.	3"	2"	3/4"	3/4" 140°F
SCS	SINGLE COMPARTMENT SINK ELKAY ELY2115-3 21"x15"x7 1/2" DEEP, 18 GAUGE TYPE 304 UNDERMOUNT SINK WITH DECK MOUNTED LK800 FAUCET AND LK99 DRAIN. 18 GAUGE P-TRAP, CP STOPS AND SUPPLIES.	1-1/2"	2"	1/2"	1/2" 105°F
TCS	TRIPLE COMPARTMENT SINK ADVANCE TABCO #DI-3-1612 56" LONG x 25" WIDE (20"x16" BOWL, 12" DEEP) SINK SHALL BE 18-GAUGE TYPE 304 STAINLESS STEEL. FAUCET SHALL BE MODEL K-55 SWING SPOUT & BASKET DRAIN. PROVIDE 1-1/2" INDIRECT DRAIN TO FLOOR SINK. NOTE: TWO FAUCETS REQUIRED.	1-1/2"	2"	1/2"	1/2" 140°F
HS	HAND SINK, WALL HUNG ELKAY CHS1716 16-3/4"x15-1/2" WALL HUNG SINK WITH LK940 GOOSENECK FAUCET WITH 4" BLADE HANDLES AND LK8 GRID DRAIN, 1-1/4" CP P-TRAP, STOP AND SUPPLIES.	1-1/2"	2"	1/2"	1/2" 105°F
FS	FLOOR SINK ZURN Z1900-P-2 FLOOR SINK WITH HALF GRATE AND TRAP-PRIMER CONNECTION.	3"	2"	1/2"	---
HB	HOSE BIBB JAY R. SMITH 5609QT BRONZE NICKEL PLATED QUARTER TURN HYDRANT WITH POSITIVE NON-FREEZE PROTECTION, INTEGRAL VACUUM BREAKER, VANDAL RESISTANT CAP AND "T" HANDLE KEY. MOUNT 18" A.F.G. COORDINATE WITH ARCHITECT	---	---	3/4"	---
WH	WALL HYDRANT ZURN Z-1330 WALL HYDRANT WITH POLISHED NICKEL BRONZE BOX AND LOCKING COVER. PROVIDE WITH 3/4" HOSE CONNECTION AND INTEGRAL BACKFLOW PREVENTER. MOUNT AT 18" A.F.G. COORDINATE WITH ARCHITECT.	---	---	3/4"	---
TP	TRAP PRIMER PRECISION PLUMBING PRODUCTS PRIMER MODEL #PO-500 OREGON #1 SUPPLY TUBE #YS-8, 2 DISTRIBUTION UNITS #DU-1 PROVIDE METERED AMOUNT OF WATER FOR THE PRIMING OF EIGHT (8) DRAINS.	---	---	1/2"	---
TMV-1	THERMOSTATIC MIXING VALVE SYMONS 5-200-W TWO INLETS, ONE OUTLET, SET TO 120 DEG. F. VALVE SHALL HAVE INTEGRAL CHECK STOPS, PROVIDE WITH WALL MOUNT.	---	---	1-1/4"	1-1/4"
TMV-2	THERMOSTATIC MIXING VALVE SYMONS 5-200-W TWO INLETS, ONE OUTLET, SET TO 105 DEG. F. VALVE SHALL HAVE INTEGRAL CHECK STOPS, PROVIDE WITH WALL MOUNT.	---	---	1-1/4"	1-1/4"
TMV-3	THERMOSTATIC MIXING VALVE SYMONS 5-200-W TWO INLETS, ONE OUTLET, SET TO 105 DEG. F. VALVE SHALL HAVE INTEGRAL CHECK STOPS, PROVIDE WITH WALL MOUNT.	---	---	1/2"	1/2"
FD	FLOOR DRAIN ZURN Z-68-P 6" FLOOR DRAIN WITH TRAP-PRIMER CONNECTION AND TYPE "B" STRAINER.	3"	2"	1/2"	---
FD-2	FLOOR DRAIN ZURN Z-68-P 6" FLOOR DRAIN WITH PROSET # TG34HD TRAP-GUARD	3"	2"	---	---
RD	ROOF DRAIN ZURN Z-21-C 12" ROOF DRAIN WITH D.C.C.I. BODY AND LOW SILHOUETTE DOME.	SEE PLAN	---	---	---
IMB	ICE MAKER BOX, FIRE RATED SIOUX CHIEF 696-R1000MF RECESSED ICE MAKER BOX WITH WALL BOX FRAME AND COVER, 1/4 TURN BALL VALVE AND 1/2" SWEAT CONNECTION.	---	---	1/2"	---

**PLUMBING LEGEND**

SANITARY SEWER (SAN)	---
STORM SEWER (ST)	---
GREASE WASTE (GW)	---
VENT (V)	---
COLD WATER (CW)	---
HOT WATER (HW)	---
HOT WATER RECIRCULATED (HWR)	---
FLOOR CLEANOUT (FCO)	---
CLEANOUT TO GRADE (COTG)	---
ROOF DRAIN (RD)	---
PIPE DROP	---
PIPE RISE	---
SHUT-OFF VALVE	---
VALVE IN CAST IRON BOX	---
MIXING VALVE	---
BALANCING VALVE	---
CHECK VALVE	---
TEMPERATURE/PRESSURE RELIEF VALVE	---
WATER METER	---
HOSE BIBB (HB)	---
WALL HYDRANT (WH)	---
POINT OF CONNECTION	---

**PLUMBING GENERAL NOTES**

- THE REQUIREMENTS OF THESE GENERAL NOTES SHALL APPLY TO ALL PLUMBING WORK. INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2014 FLORIDA BUILDING CODE, STATE AND LOCAL CODES AND THE LATEST AMENDMENTS THERETO.
- THE WORK COVERED BY THIS CONTRACT CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT, MATERIALS AND SERVICE NECESSARY FOR AND REASONABLY INCIDENTAL TO THE PROPER COMPLETION OF ALL PLUMBING WORK SHOWN ON THE DRAWINGS AND SPECIFIED. MATERIALS OR PRODUCTS SPECIFIED BY TRADE NAME, MANUFACTURER'S NAME OR CATALOG NUMBER SHALL BE INTERPRETED AS ESTABLISHING A STANDARD OF QUALITY AND DESIGN. SUBSTITUTIONS SHALL NOT BE ALLOWED UNLESS THEY ARE SUBMITTED FOR REVIEW TO USE AND APPROVED BY THE ARCHITECT. FIXTURES BY ELJER, KOHLER OR AMERICAN-STANDARD ARE APPROVED EQUAL.
- FURNISH SIX (6) COPIES OF SHOP DRAWINGS OF EQUIPMENT OR FIXTURES FOR APPROVAL PRIOR TO PURCHASING.
- PLUMBING CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL, CIVIL, STRUCTURAL, ELECTRICAL, FIRE PROTECTION, MECHANICAL AND ALL OTHER TRADES FOR PIPE ROUTING AND EQUIPMENT PLACEMENT. AVOID INTERFERENCE WITH ARCHITECTURAL FEATURES, BEAMS, FOOTINGS, WINDOWS, ETC. NOTIFY ARCHITECT IMMEDIATELY OF ANY CONFLICTS. SLEEVES SHALL BE INSTALLED WHERE PIPING PASSES THROUGH STRUCTURE.
- ALL OPENINGS THROUGH FIRE RATED WALLS OR FLOORS SHALL BE SEALED WITH U.L. LISTED PENETRATION AND SHALL MAINTAIN THE FIRE RATED INTEGRITY OF THE WALL OR FLOOR. THE CONTRACTOR SHALL VERIFY FIRE RATINGS WITH ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION. SUBMIT U.L. PENETRATION DETAILS WITH SHOP DRAWINGS FOR ENGINEER'S REVIEW. MINIMUM RATINGS SHALL BE AS FOLLOWS: WALLS - F=1, T=0; FLOOR - F=1, T=1.
- CONTRACTOR SHALL KEEP A RECORD OF THE LOCATIONS OF ALL CONCEALED WORK AND UPON COMPLETION OF THE JOB, SHALL SUPPLY AS-BUILT DRAWINGS SHOWING IN COLORED PENCIL ON BLACK LINE PRINTS ANY DEVIATION FROM THE ORIGINAL DRAWINGS. THESE DRAWINGS SHALL INDICATE DIMENSIONS OF BURIED UTILITY LINES FROM BUILDING WALLS.
- ALL WORK SHALL BE GUARANTEED, BOTH MATERIAL AND INSTALLATION, FOR A PERIOD OF ONE YEAR FROM ACCEPTANCE BY OWNER.
- PROVIDE WALL CARRIERS FOR ALL WALL HUNG PLUMBING FIXTURES. ALL WALL HUNG PLUMBING FIXTURES SHALL BE CAPABLE OF SUPPORTING A 250 POUND VERTICAL LOAD.
- INSULATE ALL HOT WATER PIPING WITH 1" THICK, 3-1/2 POUND DENSITY, RIGID FIBERGLASS INSULATION. INSULATE FITTINGS, VALVES AND ALL SIMILAR ITEMS. INSULATE WATER PIPE AND P-TRAP BELOW ALL HANDICAPPED LAVATORIES.
- PROVIDE WATER HAMMER PROTECTION (EQUAL TO PRECISION PLUMBING PRODUCT "SWA" SERIES) AT EACH FIXTURE OR GROUP OF SIMILAR FIXTURES. FIELD FABRICATED MODELS ARE NOT ACCEPTABLE.
- PROVIDE VACUUM BREAKERS AS REQUIRED BY CODE.
- PROVIDE TRAP PRIMERS FOR ALL FLOOR DRAINS AS REQUIRED BY CODE.
- TEST ALL WATER PIPING AT 100 PSIG FOR TWENTY-FOUR (24) HOURS OR AS REQUIRED BY CODE.
- STERILIZE ALL WATER PIPING IN ACCORDANCE WITH HEALTH DEPARTMENT REGULATIONS AND AMERICAN WATER WORKS SPECIFICATIONS.
- SUPPORT ALL WATER PIPING WITH PIPE HANGERS BY GRINNELL OR APPROVED EQUAL.
- PROVIDE ACCESS PANELS FOR VALVES CONCEALED IN WALLS OR CEILING PLENUMS.

**SANITARY, WASTE AND VENT PIPING**

- SANITARY, WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC (ASTM 2665) WITH APPROVED PVC SOLVENT WELDED FITTINGS. COMPLY WITH FLORIDA BUILDING CODE. PVC PIPING SHALL NOT BE RUN IN RETURN AIR PLENUM OR FIRE RATED ASSEMBLIES.
- ALL SOIL AND WASTE PIPING, 2-1/2" AND SMALLER, SHALL BE SLOPED AT 1/4" PER FOOT. LARGER WASTE PIPING SHALL BE SLOPED AT 1/8" PER FOOT.
- ALL VENTS THROUGH ROOF SHALL BE A MINIMUM OF 10'-0" OR AS REQUIRED BY CODE FROM FREEDRAIN INTAKES.
- ALL VENTS THROUGH ROOF SHALL BE PROVIDED WITH FOUR (4) POUND SHEET LEAD FLASHING FLASHING UPWARD AROUND THE PIPE AND TURNED DOWN INSIDE THE PIPE.
- EXPOSED WASTE DRAINS, IN TOILETS, SHALL BE CHROME PLATED BRASS WITH MATCHING ESCUTCHEONS.
- CLEANOUT SHALL BE PROVIDED AT THE BASE OF EACH WASTE OR SOIL STACK AT 18" A.F.F. MINIMUM, PER LATEST EDITION OF PLUMBING CODE.

**SOLAR WATER HEATING**

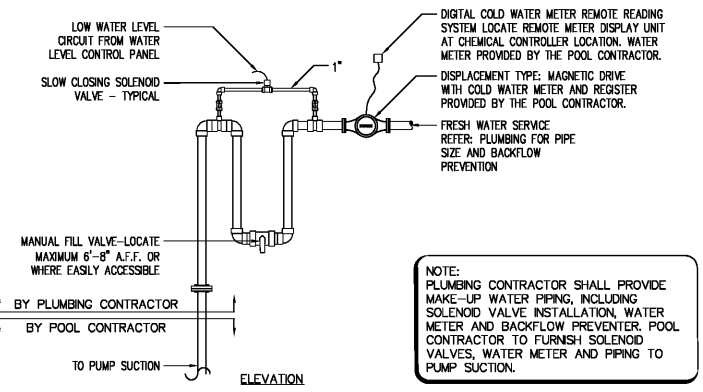
BATHHOUSE WATER HEATING: PROVIDE ONE COMPLETE SOLAR WATER HEATER SYSTEM TO SUPPLEMENT THE ELECTRIC WATER HEATER SYSTEM CURRENTLY SHOWN ON THE PLUMBING PLANS. THE SOLAR WATER HEATING SYSTEM SHALL HAVE A COLLECTOR EQUAL TO ALTERNATE ENERGY TECH MODEL AE-40 OR EQUAL TO TACO MODEL 009B, CONTROLLER EQUAL TO STECA MODEL TR0301U, HEAT EXCHANGER EQUAL TO PHE SYSTEMS MODEL FG5x12-10, AND A MINIMUM 15 GALLON DRAIN BACK TANK. INSTALLATION AND PIPING CONNECTION TO WATER HEATING SYSTEM SHALL BE PER MANUFACTURER'S RECOMMENDATION AND SHALL BE COORDINATED WITH ALL TRADES INVOLVED. MOUNTING OF ROOF EQUIPMENT SHALL BE PER THE 2014 FBC. CONTACT SOLAR BY HARRIMAN AT (941)485-4453.

**PLUMBING FIXTURE SCHEDULE (CONT.)**

MARK	FIXTURE, MODEL #, DESCRIPTION	ROUGH-IN			
		WASTE	VENT	CW	HW
WCO	WALL CLEANOUT ZURN Z1441 D.C.C.I. BODY WITH STAINLESS STEEL ACCESS COVER AND SECURING SCREW.	SEE PLAN	---	---	---
FCO	FLOOR CLEANOUT ZURN Z1400 D.C.C.I. BODY ADJUSTABLE TO FINISHED FLOOR.	SEE PLAN	---	---	---
COTG	CLEANOUT TO GRADE ZURN Z1400-HD D.C.C.I. BODY ADJUSTABLE TO FINISHED GRADE WITH HEAVY DUTY TOP. SET IN 24"x24"x6" CONCRETE PAD.	SEE PLAN	---	---	---

**EQUIPMENT SCHEDULE**

MARK	FIXTURE, MODEL #, DESCRIPTION	ROUGH-IN			
		WASTE	VENT	CW	HW
EW-H-120	ELECTRIC WATER HEATER A.O. SMITH DRE-120 FOAM INSULATED, GLASS-LINED 119 GALLON TANK, THREE (3) YEAR WARRANTY WATER HEATER. 65" HIGH x 30" DIAMETER, 24KW, 460 VOLT, 3 PHASE ELECTRIC HEATER. U.L. LISTED AND ASHRAE 90.1-2004 APPROVED.	---	---	1-1/4"	1-1/4"
CP	CIRCULATING PUMP TACO 0012-BF4-1, 115V/1Ø, 1/8HP, 3250 RPM, 2" FLANGE FITTING. PROVIDE WITH TIMER AND AQUASTAT.	---	---	3/4"	3/4"
GT	GREASE TRAP (POINT OF USE) ZURN Z1171-700 LOW PROFILE GREASE INTERCEPTER. SIZE 700, 35 GPM, 30 GALLON, 70 LB. GREASE CAPACITY, 42"x29"x11" INSTALL FLUSH WITH FLOOR. PROVIDE WITH Z1108 FLOW CONTROL FITTING.	3"	2"	---	---
SP	SUMP PUMP SUMP PUMP WITH OILTECTOR CONTROL, 1/2 HP, 208 VOLT, 1 PHASE. PROVIDE WITH CONTROL PANEL AND REMOTE ALARM.	2"	---	---	---



**FILL LINE SCHEDULE**

POOL	FRESH WATER SUPPLY GPM (MIN.)	FILL LINE SIZE
COMPETITION	120	2 1/2"
LAZY RIVER	120	2 1/2"
CHILDREN'S	50	1 1/2"

**POOL FILL DIRECT CONNECTION DETAIL**  
SCALE: NONE

This item has been electronically signed and sealed by Joseph R. Stolz, PE. On 12/15/2017 using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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**BUTLER PARK AQUATIC CENTER**  
CITY OF NORTHPORT, FL

**PLUMBING SCHEDULE AND PLUMBING DETAILS**

Scale: AS SHOWN  
Designed by: LR  
Drawn by: LR  
Checked by: JS  
Date: DECEMBER 2017  
Project No. 48285014

SHEET  
PB-F5.0