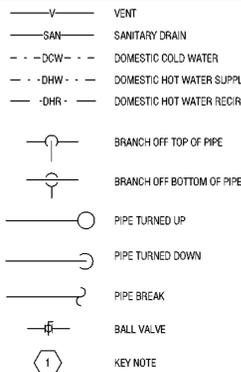


DRAWING SYMBOLS



APPLICABLE CODES

- BUILDING CODE OF NEW YORK STATE
- MECHANICAL CODE OF NEW YORK STATE
- FIRE CODE OF NEW YORK STATE
- PLUMBING CODE OF NEW YORK STATE
- ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE
- ACCESSIBLE AND USABLE BUILDING AND FACILITIES-CABO/ANSI A117.1
- NATIONAL ELECTRIC CODE
- NFPA 13: STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

EQUIPMENT DESIGNATIONS

- CO CLEANOUT
- DWH DOMESTIC WATER HEATER
- ET EXPANSION TANK
- EWCO ELECTRIC WATER COOLER
- EWV ELECTRIC WATER HEATER
- HB HOSE BIBB
- LAV LAVATORY
- MS MOP SINK
- P PUMP
- SA SHOCK ABSORBER (WATER HAMMER ARRESTOR)
- SH SHOWER
- UR URINAL
- WC WATER CLOSET
- WCO WALL CLEANOUT

GENERAL NOTES

- DO NOT SHUT DOWN ANY PLUMBING OR RELATED SYSTEMS WITHOUT BUILDING OWNER'S PRIOR WRITTEN APPROVAL. FOLLOW ALL OWNER REQUIREMENTS AND SHUT DOWN PROCEDURES AS WELL AS ALL REQUIREMENTS OF THIS PROJECT.
- IF REQUIRED, PROVIDE SHUT DOWNS AND TIE-INS DURING OFF HOURS TO AVOID DISRUPTION OF BUILDING SYSTEMS. COORDINATE ALL SHUT DOWN REQUIREMENTS PRIOR TO SUBMITTING BID (INCLUDE ALL REQUIRED DURING OFF HOURS IN BID).
- PROVIDE ALL WORK IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL CODES. OBTAIN ALL REQUIRED PERMITS.
- PROVIDE ALL REQUIRED EXCAVATION, BACKFILL AND COMPACTION FOR ALL UNDERGROUND WORK.
- FIELD VERIFY EXACT LOCATION, DEPTH, COMPOSITION AND CONDITION OF ALL PIPING, VALVES AND SYSTEMS AS REQUIRED FOR WORK OF THE CONTRACT.
- PROVIDE SCHEDULE 40 BLACK STEEL PIPE SLEEVES FOR ALL UNDERGROUND PIPING PASSING THROUGH OR UNDER FOOTINGS, WALLS, FOUNDATION WALLS, SLABS FLOORS AND/OR UNDERGROUND STRUCTURES. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- WHERE PIPING IS LOCATED OVER FOOTINGS AND/OR OTHER UNDERGROUND STRUCTURES, ROLL DOWN AS REQUIRED TO CONNECT TO SYSTEMS NOTED. PROVIDE ALL REQUIRED OFFSETS, FITTINGS AND CONNECTIONS.
- PITCH ALL SANITARY, WASTE, AND STORM PIPING AS FOLLOWS: PIPING SMALLER THAN 3", PITCH AT 2 PERCENT (1/4" PER FOOT) MINIMUM. 3" AND LARGER, PITCH AT 1 PERCENT (1/8" PER FOOT) MINIMUM.
- CONNECT TO SITE PIPING OUTSIDE BUILDING AS SHOWN. PROVIDE ALL REQUIRED OFFSETS, FITTINGS AND CONNECTIONS. FIELD VERIFY EXACT LOCATION, DEPTH AND COMPOSITION OF SITE SERVICES AND COORDINATE ALL WORK WITH SITE CONTRACTOR.
- COORDINATE ALL VENT TERMINATIONS ABOVE ROOF WITH HVAC CONTRACTOR. ALL VENT TERMINATIONS ABOVE ROOF SHALL BE A MINIMUM 10'-0" AWAY FROM ANY HVAC OUTSIDE AIR INTAKE (ROOFTOP UNIT, LOUVER, ETC.).
- PROVIDE SINGLE HOSE BIBB WITH VACUUM BREAKER (HB) UNDER LAVATORY(S) IN ALL TOILET ROOMS WITH FLOOR DRAINS. ONE REQUIRED PER ROOM.
- REFER TO ARCHITECTURAL DRAWINGS AND THE PROJECT SPECIFICATIONS FOR ANY PROJECT PHASING REQUIREMENTS.
- THE ENTIRE PLUMBING SYSTEM SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE PLUMBING CODE OF NEW YORK STATE AND LOCAL PLUMBING INSPECTOR.
- CONTRACTOR SHALL COORDINATE AND PROVIDE ALL NECESSARY PIPING & PLUMBING FITTINGS, PIPING, MISCELLANEOUS ITEMS REQUIRED FOR A COMPLETE INSTALLATION OF ALL PLUMBING RELATED ITEMS.
- PITCH ALL POTABLE WATER PIPING TO DRAIN BEFORE BUILDING SHUTOFF.
- ALL PIPING PENETRATIONS THROUGH NEW WALL OR FLOOR SHALL BE SEALED TO EQUAL THE RATING OF THE NEW, EXISTING WALL OR FLOOR.
- THE ENTIRE DOMESTIC WATER SYSTEM SHALL BE DISINFECTED IN ACCORDANCE TO THE LOCAL CODE & HEALTH DEPARTMENT REQUIREMENTS.
- THE BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED PER STATE AND LOCAL CODE & PER AUTHORITY HAVING JURISDICTION REQUIREMENTS.
- ALL (VTR'S) VENT THRU ROOF PENETRATIONS INDICATED ON PLANS ARE PRELIMINARY. FINAL LOCATIONS SHALL BE COORDINATED WITH ALL TRADES.
- CONTRACTOR SHALL INSULATE ALL PLUMBING PIPING PER SPECIFICATION.
- MAINTAIN 3'-0" CLEARANCE IN FRONT OF ALL DOMESTIC WATER SYSTEM PIPING COMPONENTS AND ELECTRICAL DISTRIBUTION PANELS.
- COORDINATE ELECTRICAL AND PLUMBING TRADES. DO NOT LOCATE PIPING ABOVE ELECTRICAL DISTRIBUTION PANELS, WITHIN 6'-0" ABOVE THE TOP OF THE PANEL (OR THE STRUCTURAL CEILING, WHICHEVER IS LOWER).
- THE PLUMBING CONTRACTOR SHALL COORDINATE ALL VERTICAL AND HORIZONTAL RUNS WITH GENERAL CONTRACTOR PRIOR TO TRACING. GENERAL CONTRACTOR SHALL PROVIDE ALL PLATE PROTECTION FOR CONCEALED LINES AT ALL PLATES AND STUDS AS REQUIRED. DO NOT CUT THRU FRAMING UNLESS APPROVED BY DIRECTOR'S REPRESENTATIVE.
- ALL WORK ON THESE PLUMBING DRAWINGS SHALL BE PERFORMED BY THE PLUMBING CONTRACTOR UNLESS NOTED OTHERWISE.
- COORDINATE LOCATION AND ROUTING OF PLUMBING LINES WITH OTHER TRADES.

ELECTRIC WATER HEATER SCHEDULE

UNIT	BUILDING	SERVICE	LOCATION	ELECTRICAL DATA	DIMENSIONS	MANUFACTURER	MODEL	NOTES	
				TOTAL WATTS	V/PH/Hz				
EW-1	BATHHOUSE 231	DOMESTIC HOT WATER	MECH ROOM	12300	240/1/60	30" x 70" H	LOCHINVAR	LCA-120AKW	-
EW-2	BATHHOUSE 322	DOMESTIC HOT WATER	MECH ROOM	12300	240/1/60	30" x 70" H	LOCHINVAR	LCA-120AKW	-
EW-3	LATRINE 427	DOMESTIC HOT WATER	UNDER SINK	1400	115/1/60	9" L x 9" W x 15" H	EEMAX	EMT1	-
EW-4	LATRINE 427	DOMESTIC HOT WATER	UNDER SINK	1400	115/1/60	9" L x 9" W x 15" H	EEMAX	EMT1	-

PLUMBING FIXTURE SCHEDULE

UNIT	TRIM	PIPING CONNECTION (IN)	SUPPORT	REMARKS	MANUFACTURER	MODEL
		COLD	HOT	SAN/W	VENT	
HB-1	-	1/2	-	-	-	WALL MOUNTED
SH-1	-	1/2	1/2	3	2	WALL MOUNTED
SH-2	-	1/2	1/2	3	2	WALL MOUNTED
WC-1	A	1/2	-	4	2	FLOOR MOUNTED
WC-2	A	1/2	-	4	2	FLOOR MOUNTED
LAV-1	B	1/2	1/2	1-1/2	1-1/2	WALL MOUNTED
LAV-2	C	1/2	1/2	1-1/2	1-1/2	WALL MOUNTED
FD-1	D	-	-	3	2	FLOOR MOUNTED
MS-1	E	3/4	3/4	3	2	FLOOR MOUNTED

- FIXTURE TAIL:**
- 1/2" STAINLESS STEEL BRAIDED HOSE SUPPLY WITH ESCUTCHEON AND 1/4" TURN ANGLE STOP. 1.23 GPM. HEAVY WEIGHT INJECTION MOLDED SOLID PLASTIC, BLACK ELONGATED SEAT, OPEN FRONT LESS COVER WITH STAINLESS STEEL SELF SUSTAINING CHECK HINGES, SIMILAR TO BEMIS MODEL 1956-SST. PROVIDE FLOOR FLANGE, SEALANT AND ANCHOR BOLTS.
 - DECK MOUNTED CHROME PLATED DIE-CAST METAL FAUCET WITH INFRARED SENSOR, BATTERY POWER SUPPLY, MULTI-LAMINAR SPRAY, 0.50 GPM. SIMILAR TO SLOAN SF-2450-4-BAT-TEE-CP-0.50GPM-MLM-IR-FCT. ASSE 1070 APPROVED TEMPERING VALVE. SIMILAR TO POWERS MODEL LF480. CHROME PLATED CAST BRASS GRID STRAINER WITH 1-1/4" TAILPIECE, SIMILAR TO MCGUIRE MODEL 8902. CHROME PLATED CAST BRASS SUPPLIES WITH LOOSE KEY ANGLE STOP AND SET-SCREW ESCUTCHEON. PROVIDE TRAP AND SUPPLY COVERING TO MEET ADA REQUIREMENTS, SIMILAR TO "PRO-WRAP".
 - DECK MOUNTED CHROME PLATED DIE-CAST METAL WRIST HANDLES, NON-METERING, 0.50 GPM, 4" CENTERSET, 4" RIGID SPOUT, SIMILAR TO GERBER G044542. ASSE 1070 APPROVED TEMPERING VALVE. SIMILAR TO POWERS MODEL LF480. CHROME PLATED CAST BRASS GRID STRAINER WITH 1-1/4" TAILPIECE, SIMILAR TO MCGUIRE MODEL 8902. CHROME PLATED CAST BRASS SUPPLIES WITH LOOSE KEY ANGLE STOP AND SET-SCREW ESCUTCHEON.
 - DEEP SEAL P-TRAP AND ASSE 1072 APPROVED MECHANICAL SEAL, SIMILAR TO "SURE-SEAL".
 - CHROME PLATED CAST BRASS WALL FAUCET WITH VACUUM BREAKER, PAIL HOOK, WALL BRACE AND HOSE OUTLET, SIMILAR TO FIAT MODEL 830-AA. STAINLESS STEEL HOSE BRACKET WITH RUBBER GRIP AND HOSE, SIMILAR TO FIAT MODEL 832-AA. STAINLESS STEEL MOP HANGER SIMILAR TO FIAT MODEL 889-CC. VINYL BUMPER GUARDS ON EXPOSED EDGES SIMILAR TO FIAT MODEL E-77-AA. STAINLESS STEEL WALL GUARDS ON ADJACENT WALLS SIMILAR TO FIAT MODEL MS22424.

RECIRCULATION PUMP SCHEDULE

UNIT	LOCATION	GPM	FEET OF HEAD	PUMP HP (WATTS)	VOLTS	AMPS	MANUFACTURER	MODEL	NOTES
RP-1	WATER SERVICE ROOM	6	5	25	115	0.23	GRUNDFOS	UP15-10	-

LATRINE 427 PLUMBING PLAN - DOMESTIC
P101 1/4" = 1'-0"

LATRINE 427 PLUMBING PLAN - SANITARY/VENT
P101 1/4" = 1'-0"

LATRINE 427 PLUMBING PLAN - UNDERFLOOR SANITARY/VENT
P101 1/4" = 1'-0"

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ARCHITECT:
Saratoga Associates
21 Congress Street, Suite 201
Saratoga Springs, NY 12866

SARATOGA ASSOCIATES
Landscape Architects, Architects, Engineers, and Planners, P.C.

SURVEYOR/STRUCTURAL/MEP ENGINEER:
LaBella Associates
300 State Street, Suite 102
Rochester, NY 14614

LaBella
Professional Engineering 018281
Land Surveying 017978
Geological 018750

Palisades Region
Palisades Interstate Park Commission
Bear Mountain, New York 10911
(845) 786-2701
Executive Director: Joshua Laird

Project Title:
CAMP JUNIOR ON LAKE TIORATI - PHASE 3

Project Location:
HARRIMAN STATE PARK

Key Plan

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