

Swimming Pool and Spray Pad Products

PIPING:

All piping shall be Schedule 80 gray manufactured from type 1, grade 1 PVC (polyvinyl chloride), cell classification 12454-B conforming to ASTM compound specification D1784. Will have a maximum service temperature of 140°F (60°C).

Able to withstand a compression of 95% of its original O.D. without splitting or breaking.

Meets or exceeds the following standards:

- CSA B137.5
- ASTM D2855
- ASTM D1785
- NSF 61

Standard of Acceptance: Rehau Proloc Schedule 80 PVC Industrial Pipe, or approved equal in accordance with B7

VALVES:

20mm-63mm Ball Valve

Shall be manufactured from type 1, grade 1 Schedule 80 PVC (polyvinyl chloride). Valve body shall be Schedule 80 and shall be of true union design with multidirectional blocking capability. The handle shall be used as a tool to remove or adjust the ball seat carrier. The valve stem shall be equipped with 2 o-rings. O-rings shall be EPDM or Viton. Ball seats shall be PTFE (Teflon) or HDPE (high density polyethylene). End connections shall be Schedule 80.

Meets or exceeds the following standards:

- NSF 61
- ASTM D1764

Standard of Acceptance: Praher S6 Series Ball Valve, or approved equal in accordance with B7

64mm-203mm Butterfly Valve

Shall be wafer type single piece body design rated at 150 psi with non-wetted metal components. Bolt hole pattern shall conform to ANSI/ASME B16.5 Class 150 and to DIN-ISO-PN10. Handle shall be lockable non-corrosive PPGR lever type. Shaft shall be a high tensile stainless steel one-piece design having engagement over the full length of the disk. Liner o-rings shall be EPDM, Viton or specially EPDM for chlorine gas. EPDM materials shall be in conformance with NSF 61 regulations for potable water. All valve hardware shall be of stainless steel grade 316. Valve body shall be molded of PPGR (polypropylene glass reinforced) with disk molded from PVC-Type 1 cell classification 12454, CPVC-Type IV classification 23447, PP-Homopolymere-Beta type cell structure, PVDF-unpigmented.

Meets or exceeds the following standards:

- ANSI/ASME B16.5 Class 150
- ASTM D4101
- ASTM D3222
- NSF 61

Standard of Acceptance: Praher K4 Series Butterfly Valve, or approved equal in accordance with B7

254mm-305mm Butterfly Valve

Shall be gear operated made with IP67 (NEMA 4) enclosure and painted with corrosion protection epoxy type paint. Valve body shall be wafer type single piece design rated at 150 psi with non-wetted metal components. Bolt hole pattern shall conform to ANSI/ASME B16.5 Class 150. The internal gear shall be self-locking, high-efficiency type design. Shaft shall be a high tensile stainless steel one-piece design having engagement over the full length of the disk and be removable and replaceable independent of the disk. Shaft shall be protected by a double seal arrangement on the top and bottom of the disk. Visual position indicator shall show open and closed position.

Meets or exceeds the following standards:

- ANSI/ASME B16.5 Class 150
- ASTM D4101
- ASTM D3222
- NSF 61

Standard of Acceptance: Praher HL Series Butterfly Valve, or approved equal in accordance with B7

50mm-203mm Check Valve

Shall be manufactured from type 1, grade 1 PVC (polyvinyl chloride), cell classification 12454-B conforming to ASTM compound specification D1784. Shall be wafer style swing with a maximum operating pressure of 150psi at 72°F. Shall have a single swing disk design suitable for horizontal and vertical installations. Shall be of round body design with incorporated notches for flange bolt alignment and incorporated valve lifting eyelet with flow direction arrow. All seals shall be EPDM or FKM.

Meets or exceeds the following standards:

- ANSI/ASME B16.1
- ASTM D1784
- NSF 14/61

Standard of Acceptance: Praher K6 PVC Wafer Check Valve, or approved equal in accordance with B7

PVC PRIMER

Meets ASTM F 656 Standard. Meets SCAQMD Rule 1168/316A. Compliant with LEED® (Leadership in Energy and Environmental Design).

Listed by NSF International for compliance with ASTM F 656, NSF/ANSI Standard 14, and NSF/ANSI Standard 61 for use on potable water, drain, waste, vent and sewer applications.

Standard of Acceptance: IPS Corp Weld-On, or approved equal in accordance with B7

PVC SOLVENT CEMENT

Meets ASTM D 2564 Standard. Meets SCAQMD Rule 1168/316A. Compliant with LEED® (Leadership in Energy and Environmental Design). Listed by NSF International for compliance with ASTM D 2564, NSF/ANSI Standard 14 and NSF/ANSI Standard 61 for use in potable water, drain, waste, vent and sewer applications. Meets CSA standards B137.3 and B181.2 for use in pressure and non-pressure potable water, drain, waste and vent applications.

Listed by IAPMO for compliance with ASTM D 2564 and applicable sections of the latest edition of the Uniform Plumbing Code.

Standard of Acceptance: IPS Corp Weld-On, or approved equal in accordance with B7

TOT POOL MAIN DRAIN

Shall be VGB-2008 certified with an open grate area of 54% allowing for a maximum flow rate of 365GPM when installed on the floor. Solid one-piece injection molded PVC unit with internal plumbing fittings and built-in waterstop with 2 vertical extensions.

Standard of Acceptance: Lawson SuperSump 12"x12" MLD-SG-1212-WT, or approved equal in accordance with B7

WADING POOL RETURN INLETS

Shall be directional ball inlet fittings molded from ABS injection using thermoplastic resin.

Standard of Acceptance: Jacuzzi IFC-2, or approved equal in accordance with B7

GENERAL NOTES

DRAWINGS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF WESTERN RECREATION AND DEVELOPMENT INC. AND SHALL NOT BE USED, REPRODUCED, MODIFIED OR SOLD EITHER WHOLLY OR IN PART, WITHOUT THEIR PERMISSION. PATENT # CA2357509

SOME ITEMS DRAWN OR INDICATED ON THIS PLAN ARE NOT INCLUDED IN THE CONTRACT PRICE.

1.	ADDENDUM 3	08.25.16
No.	REVISION	DATE

FIRM NAME AND ADDRESS  
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PROJECT NAME AND ADDRESS  
**SEVEN OAKS POOL  
 RENOVATION AND ADDITION**  
 WINNIPEG MANITOBA

DRAWING SPECIFICATION	SHEET SP-4
DATE AUGUST 16 /2016	CHECKED BY B.D.
SCALE AS SHOWN	DRAWN BY A.C.