

10. Urinal (UR-1)
- A. Basis of Design: American Standard Washbrook FloWise 6590.001.020
  - B. Material: Vitreous china
  - C. Water Consumption: Operates in the range of 0.5 L to 3.8 L (0.125 US Gal to 1.0 US Gal) per flush
  - D. Mounting: Wall hung
  - E. Sides: extended sides for privacy
  - F. Flush Action: Washdown action
  - G. Flushing Rim: Flushing rim
  - H. Supply: 19 mm (3/4") dia. Top spud
  - I. Lip: elongated rim
  - J. P-Trap: Integral P-trap
  - K. Outlet: Outlet connection 51 mm (2")
  - L. Hanger/Bracket: 2 wall hangers
  - M. Strainer: #7301242-100 chrome plated, non-metallic strainer
  - N. Finish: White Finish

4. Flushometer
- A. Basis of Design: Delta 81T231BTA-MMO
  - B. Installation: Exposed
  - C. Type: For Top Spud Urinal
  - D. Finish: polished chrome finish
  - E. Water Consumption: 6 L (1.6 US Gal) factory set flow
  - F. Sensor: Infrared sensor range adjustment of 203 mm - 610 mm (8" - 24"), factory set at 16" (+2")
  - G. Quiet action, TECK® exposed diaphragm flush valve
  - H. Over-ride: mechanical over-ride button
  - I. Vacuum Breaker: high pressure vacuum breaker
  - J. Polished chrome plated vandal resistant metal cover with top mounted sensor operated H2Optics® electronics
  - K. Power Supply: four 'AA' batteries (included) serviceable without shutting off water with 'Low Battery' flashing LED

5. Carrier
- A. Basis of Design: Watts CA-321
  - B. Type: Fixture Carrier
  - C. Mounting: mounted on concrete floor
  - D. Arms/Plates: steel hanger plate
  - E. Legs: heavy gauge epoxy coated steel offset uprights

- with welded feet supports
- F. Hardware: plated hardware
- G. Minimum space required: for one unit: 102 mm (4") for two to six units in a row: 152 mm (6") finished metal stud wall to back of pipe space

13. Cleanout
- A. Basis of Design: Watts Model: Urinal Wall Access Cleanout WUCO
  - B. Cleanout: two (2) piece expandable plug with 102 mm (4") diameter stainless steel access cover, secured with vandal proof stainless steel screw.

14. Coupling
- A. Basis of Design: Champion MI-HUB TR
  - B. Connection Type: no-hub
  - C. Bands: type 300 AISI stainless steel b
  - D. Eyelets: type 300 AISI stainless steel eyelets
  - E. Gasket: elastomeric compound gasket meeting the requirements of ASTM C-564
  - F. Screw Housing: type 300 AISI stainless steel screw housing
  - G. Screws: type 300 AISI stainless steel screws, 5/16" Hex head/shoulder
  - H. Shield: type 300 AISI stainless steel shield
  - I. Pressure Rating: Tested to maintain 4.3 psi of water pressure at 60 inch lb min/max torque bolt tightness
  - J. testing and certification: Tested and certified to ASTM Standard 1460-2012 and CSA Standard B602-2010 and listed with IAPMO. All models are listed to the National Plumbing Code of Canada and relevant Canadian Standard (s) and bear the cUPC mark of conformity. Non constant temperature rating is 140°F

15. Basin (LAV-1)
- A. Basis of Design: American Standard Cadet Universal Access 9494.001.020
  - B. Material: Vitreous china
  - C. Finish: White Finish
  - D. Overflow: Side rear overflow
  - E. Ledge: faucet ledge
  - F. Shape: Oval
  - G. Drain Size: 32 mm (1-1/4") waste assembly (not included)

16. Fixture: Faucet
- A. Basis of Design: DELTA 591t1250
  - B. Mounting: Deck mounted

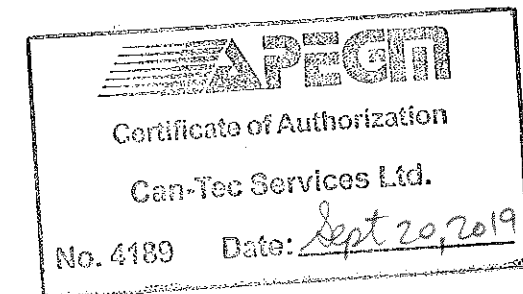
- C. Operation: Electronic 'No-Touch' AC powered
- D. AB1953 Compliant: ECAST construction lead free (equal or less than 0.25%)
- E. Finish: Chrome plated finish
- F. Material: Brass body
- G. Flow Control: 1.9 LPM (0.5 GPM) vandal resistant pressure compensating Econo-Flo non-aerating spray outlet
- H. Sensor: dual beam infrared sensor
- I. Mixing Valve: mixing valve by others
- J. Power: 12 Volt AC transformer (to be ordered separately)

17. Transformer
- 1.1. Basis of Design: DELTA
  - 1.2. Type: Plug-in
  - 1.3. Electrical: 120 / 12 0.5 A
2. Mixer Point-of-Use
- A. Basis of Design: Lawler TMM-1070
  - B. Material: Bronze body
  - C. Adjustment: temperature adjusting dial
  - D. Connections: 10 mm (3/8") inlets and outlet compression fittings
  - E. Security: high temperature thermostatic limit stop
  - F. Shut-Off: shut-off with automatic reset when temperature exceeds 120 °F (48.8 °C)
  - G. Stops: Integral checks
  - H. Temperature Range: offer temperature range from full cold through 46 °C (114.8 °F)

3. Drain
- . Basis of Design: McGuire 155WC
  - A. Material: cast brass one piece top
  - B. Outlet: 17 GA. (1.5 mm) mm tubular 32 mm (1-1/4") tailpiece

4. Supply
- . Basis of Design: McGuire LFH170BV
  - A. Finish: Chrome plated finish
  - B. Material: polished brass
  - C. Supply Inlet Size: 13 mm (1/2") I.D. Inlet x Nipples: 127 mm (5") horizontal extension tubes
  - D. Handle: convertible 1/4 turn/loose key handles
  - E. Escutcheons: Escutcheon and and Risers: flexible

- copper risers
5. P-trap
- . Basis of Design: McGuire 8872C
  - A. Model: P-Trap
  - B. Inlet Size: 32 mm (1-1/4") size
  - C. Flange: Shallow wall flange and Wall Connection: Seamless tubular wall bend
6. Covering
- . Basis of Design: McGuire PW2000WC
  - A. Vandal Resistance: vandal-resistant
  - B. Material: flexible seamless moulded closed-cell PVC resin
  - C. Special Finish: formulated with anti-microbial additive to limit the growth of fungus and bacteria
  - D. Purpose: to exposed piping (to protect against heat/contusions) as per local codes



PROJECT TITLE:  
KILDONAN PARK GOLF COURSE  
SHEET TITLE:  
FIXTURE SCHEDULE  
PROJECT NUMBER:  
19-043-14-30

REV. #	REVISION	DATE (YY MM DD)	REV. BY
01	REVISED FIXTURES	19 09 20	JLS
00	ISSUED FOR CONSTRUCTION	19 09 09	JLS

**TENDER 1123-2019**

REV. #	REVISION	DATE (YY MM DD)	REV. BY
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SCALE:  
AS NOTED  
DATE (YY MM DD):  
19 09 09

DRAWING NUMBER:

**M1.4**

REVISION NUMBER:  
00