



RAFAT

8850 GEORGE BOLTON PARKWAY, CALEDON, ONTARIO L7E 2Y4

RFI Transmittal No:	162
----------------------------	-----

Project Name:	Renovation of Chris Gibson Recreation Centre Drive	Project No.	T2023-125
		DATE:	31-Jan-2025

RFI No:	162
----------------	-----

Title:	Flush Valve for WC's
---------------	----------------------

To:	Patrick Johnson - Contract Administrator (DSA) Vincent Goetz - Senior Associate (DSA)
------------	--

Requested by	Consult	Sketch Attached	Y	Total # Pages	6
---------------------	---------	------------------------	---	----------------------	---

Description of RFI	Please see attached RFI
Response Required By	10 Feb 2025

Date Responded	Feb. 4, 2025	Sketch Attached		Total # Pages	
-----------------------	--------------	------------------------	--	----------------------	--

Consultants Response	<ul style="list-style-type: none">• TOTO TET1UB (1.0 GPF): Reviewed• TOTO TET1LB (1.28 GPF): Rejected
-----------------------------	--

Approved/Responded by:	I. Littley
-------------------------------	------------

DSA: see Introba response noted above.

Patrick Johnson / DSA
February 4, 2025



54 Audia Court, Unit 2
Concord, ON L4K 3N5
(905)-738-1400

Request For Information 23-214-018

Jan 30, 2025

Project Name

CHRIS GIBSON REC CENTRE

Project Address

125 McLaughlin Rd N, Brampton, ON, L6X 1N9

To

Name

Ashish Singla

Company

RAFAT GENERAL CONTRACTOR INC.

Email

asingla@corebuildconstruction.com

Address

8850 GEORGE BOLTON PKWY BOLTON, ON L7E 2Y4

From

Name

INZAMAN KHAN

Company

Consult Mechanical Inc.

Email

inzaman@consultmechanical.com

Address

54 Audia Court, Unit 2 Concord, ON L4K 3N5

Title

Flush Valves for WC's

SCHEDULE IMPACT

Probable

COST IMPACT

No

RETURN BY

Feb 5, 2025

Information Requested

Please refer to the attached and confirm the acceptable flush valve model for WC-1,2,3.

ECOPOWER® Ultra High-Efficiency Toilet Flush Valve, 1.0 GPF

FEATURES

- 1.0 GPF
- Self-powered hydroelectric flush valve system
- No minimum daily usage requirement
- Durable chrome plated body with tamperproof screws and solid bronze valve body
- Self-cleaning piston valve with 360° filter screen
- Neutral rough-in and adjustable tail piece connection
- True mechanical flush override
- Smart sensor with self-adjusting detection range
- 6 second detection time to prevent ghost flushing
- For toilet with 1-1/2" top spud inlet
- Exposed flush valve with 1" angle stop and 1-1/2" vacuum breaker set
- Contributes to earning credits in LEED®
- Protects trap seal with a maintenance flush if not used in a 24 hr period



MODELS

- ☐ **TET1UB32#CP**
 - TET1UB#CP (1.0 GPF flush valve)
 - VB0932B#CP (1-1/2" vacuum breaker tube, 1" angle stop)

COLORS/FINISHES

- #CP Polished Chrome

OPTIONAL ACCESSORIES

- Z-4000-J - Adapter for ground joint angle stops

CODES/STANDARDS

- Meets or exceeds ASSE 1037/ASME A112.1037/CSA B125.37
- Certifications: IAPMO(cUPC), EPA WaterSense, State of Massachusetts, and others
- Code Compliance: UPC, IPC, NSPC, NPC Canada, and others
- ADA compliant
- Complies with CA Prop 65 warning requirements
- Complies with CA Title 20 regulations and CalGreen when paired with a water closet which has an equivalent water consumption.



CALGreen

 **ECOPOWER**

 **Auto Flush**



Piston Valve

PRODUCT SPECIFICATION

TOTO® Model No. _____ Product shall be 1.0 GPF. Product shall be an automatic infrared sensor-activated, toilet flush valve. Product shall use hydropower, ECOPOWER flush valve system. Product shall have durable chrome plated body with tamper-proof screws and solid bronze valve body. Product shall have smart sensor with self-adjusting detection range. Product shall have neutral rough-in and adjustable tail piece connection. Product shall have true mechanical flush override. Product shall have 6 second detection time to prevent ghost flushing. Product shall have piston with debris screen and solenoid with self-cleaning mechanism.

SPECIFICATIONS

Material	Bronze casting
Power supply	ECOPOWER
Sensor detection time	Factory setting at six (6) seconds minimum
Sensor detection range	Self-adjusting to environment
Discharge quantity	Preset to 1.0 GPF / 3.8 LPF
Operating temperature	32-104°F (0-40°C)
Water source	Tap water (Municipal Supply Only)
Water supply pressure	Min: 25 psi (flowing) Max: 125 psi (static)
Water supply connection	1" NPT
Warranty	Three year limited

*Water pressures over 80 psi are not recommended for most plumbing fixtures. Check your local plumbing code for details.

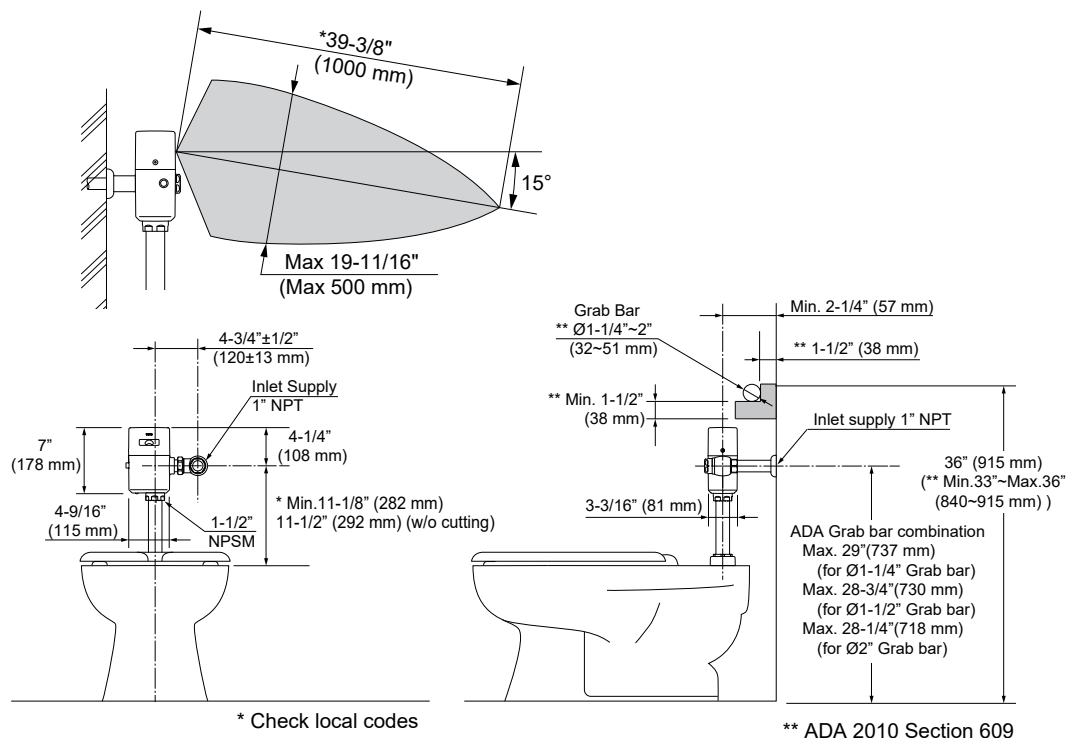
INSTALLATION NOTES

For commercial applications only.

Warning: Failure to properly adjust angle stop to the appropriate level can potentially cause property damage. For detailed installation instructions, please refer to the installation manual.

Max flow rate to be used with TET1UB: 1.0 GPF
Confirm with local codes and standards for floor drain requirement. Adjust control stop for proper flow rate to the fixture.

DIMENSIONS



ECOPOWER® High-Efficiency Toilet Flush Valve, 1.28 GPF

FEATURES

- 1.28 GPF
- Self-powered hydroelectric flush valve system
- No minimum daily usage requirement
- Durable chrome plated body with tamperproof screws and solid bronze valve body
- Self-cleaning piston valve with 360° filter screen
- Neutral rough-in and adjustable tail piece connection
- True mechanical flush override
- Smart sensor with self-adjusting detection range
- 6 second detection time to prevent ghost flushing
- For toilet with 1-1/2" top spud inlet
- Exposed flush valve with 1" angle stop and 1-1/2" vacuum breaker set
- Contributes to earning credits in LEED®
- Protects trap seal with a maintenance flush if not used in a 24 hr period



MODELS

- ☐ **TET1LB32#CP**
 - TET1LB#CP (1.28 GPF flush valve)
 - VB0932B#CP (1-1/2" vacuum breaker tube, 1" angle stop)

COLORS/FINISHES

- #CP Polished Chrome

OPTIONAL ACCESSORIES

- Z-4000-J - Adapter for ground joint angle stops

CODES/STANDARDS

- Meets or exceeds ASSE 1037/ASME A112.1037/CSA B125.37
- Certifications: IAPMO(eUPC), EPA WaterSense, State of Massachusetts, and others
- Code Compliance: UPC, IPC, NSPC, NPC Canada, and others
- ADA compliant
- Complies with CA Prop 65 warning requirements
- Complies with CA Title 20 regulations and CalGreen when paired with a water closet which has an equivalent water consumption.



CALGreen



Piston Valve

PRODUCT SPECIFICATION

TOTO® Model No. _____ Product shall be 1.28 GPF. Product shall be an automatic infrared sensor-activated, toilet flush valve. Product shall use hydropower, ECOPOWER flush valve system. Product shall have durable chrome plated body with tamper-proof screws and solid bronze valve body. Product shall have smart sensor with self-adjusting detection range. Product shall have neutral rough-in and adjustable tail piece connection. Product shall have true mechanical flush override. Product shall have 6 second detection time to prevent ghost flushing. Product shall have piston with debris screen and solenoid with self-cleaning mechanism.

TET1LB

ECOPOWER® High-Efficiency Toilet Flush Valve, 1.28 GPF

SPECIFICATIONS

Material	Bronze casting
Power supply	ECOPOWER
Sensor detection time	Factory setting at six (6) seconds minimum
Sensor detection range	Self-adjusting to environment
Discharge quantity	Preset to 1.28 GPF / 4.8 LPF
Operating temperature	32-104°F (0-40°C)
Water source	Tap water (Municipal Supply Only)
Water supply pressure	Min: 25 psi (flowing) Max: 125 psi (static)
Water supply connection	1" NPT
Warranty	Three year limited

*Water pressures over 80 psi are not recommended for most plumbing fixtures. Check your local plumbing code for details.

INSTALLATION NOTES

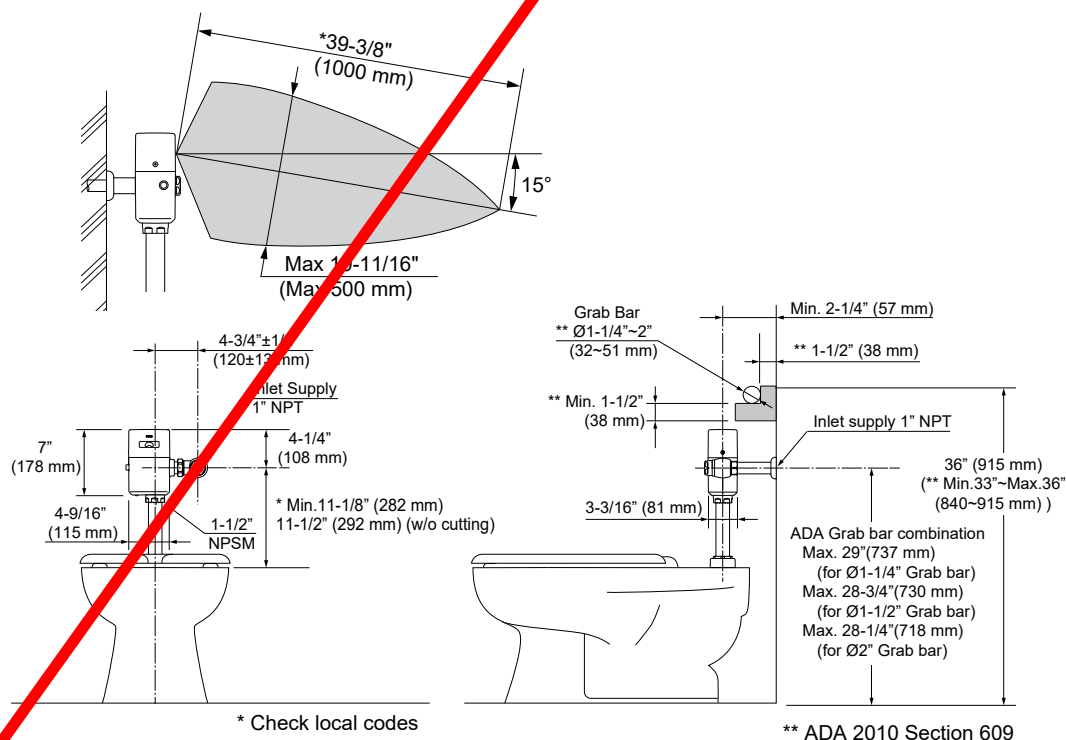
For commercial applications only.

Warning: Failure to properly adjust angle stop to the appropriate level can potentially cause property damage. For detailed installation instructions, please refer to the installation manual.

Max flow rate to be used with TET1LB: 1.28 GPF

Confirm with local codes and standards for floor drain requirement. Adjust control stop for proper flow rate to the fixture.

DIMENSIONS



TOTO®

These dimensions and specifications are subject to change without notice