TOILET WASTE LOCATION

(ECW)- WALL OUTLET
(ECF)- FLOOR OUTLET

TOILET ORIENTATION

(L)- ANGLED LEFT
(L)- OFFSET LEFT
(R)- ANGLED RIGHT
(R)- OFFSET RIGHT
(C)- CENTER

FIXTURE MOUNTING

(OF)- OFF FLOOR
(ON)- ON FLOOR
LAVATORY BUBBLER SELECTION

(BPH)- LIGATURE-RESISTANT BUBBLER / FILLER

- MACHINED STAINLESS STEEL
- HEMISPHERICAL PENAL BUBBLER / FILLER PROVIDES A FLOW OF WATER FOR DRINKING AND FILLING THE BASIN. DESIGN IS LIGATURE-RESISTANT.

(BC)- CODE BUBBLER / FILLER

- MACHINED STAINLESS STEEL
- "CODE TYPE" PENAL BUBBLER / FILLER INCLUDES A NON LIGATURE-RESISTANT MOUTH GUARD. MUST SPECIFY WHERE MOUTH GUARDS ARE REQUIRED BY LOCAL CODES.

(FLH)- LIGATURE-RESISTANT LAV. FILLER

- MACHINED STAINLESS STEEL
- HEMISPHERICAL LAVATORY FILLER PROVIDES A FLOW OF WATER TO THE LAVATORY BASIN ONLY. DESIGN IS LIGATURE-RESISTANT.

(DMBH)- LIGATURE-RESISTANT DECK MOUNTED BUBBLER / FILLER

- MACHINED STAINLESS STEEL
- HEMISPHERICAL DECK MOUNTED BUBBLER/ FILLER PROVIDES A FLOW OF WATER FOR DRINKING AND FILLING THE BASIN. DESIGN IS LIGATURE-RESISTANT.
LAVATORY WASTE

(EB)- ELBOW WASTE
(1-1/2" PLAIN END)

(PT)- INTEGRAL P-TRAP
(1-1/2" PLAIN END)

(LWE)- LAVATORY WASTE EXTENSION
GREATER THAN 3" (1-1/2" PLAIN END)

(CW1)- COMBINED WASTE
W/O CLEANOUT
(CHECK CODES FOR ACCEPTANCE)

(CW2)- COMBINED WASTE
W/ CLEANOUT (1-1/2" PLAIN END)
(CHECK CODES FOR ACCEPTANCE)

(CW2)- FOR "FA"- COMBINED WASTE
W/ "FA" CLEANOUT (1-1/2" F.I.P.)
(CHECK CODES FOR ACCEPTANCE)

(OV)- LAVATORY OVERFLOW

(LW1)- BRASS THRU-WALL EXTENSION P-TRAP
(FOR USE W/ (EB) ELBOW WASTE)

(SLOW)- SLOW DRAIN

(LW2)- BRASS THRU-WALL EXTENSION P-TRAP
(FOR USE W/ (PT) INTEGRAL P-TRAP)
TOILET WASTE

**TWE**: TOILET WASTE EXTENSION

The Toilet Waste Extension extends the stainless steel waste tube out the back of the fixture allowing for a no-hub type connection. Special no-hub coupling is required. Specify connecting pipe size and type.

**TW3**: NO-HUB WASTE W/ 3" CLEAN-OUT

Toilet Waste Connection supplied complete with 3" cast iron no-hub test tee and plug.

**TW4**: FLOOR OUTLET WASTE CONNECTION

Toilet Waste Connection, supplied complete with Ø5-1/4" Neoprene gasket, 5/16" anchor studs and 4" x 4" floor flange.

**TW5**: NO-HUB WASTE W/ 4" CLEAN-OUT

Toilet Waste connection supplied complete with 4" cast iron no-hub test tee and plug.

**PC**: PINNED CLEAN-OUT PLUG

The pinned clean-out plug is used to stop large objects from entering the building's main waste system. 3" PVC or 4" PVC clean-out plugs are standard. Brass clean-out plugs are available upon request. Specify "PCB" for brass.

**GWC**: GASKETED WASTE CONNECTION (WALL OUTLET SHOWN)

Gasketed Toilet Waste Connection to mate with installer-supplied flange.

**COH4**: CLEAN-OUT HOOK

COH4 - Clean-out hook is conveniently installed into vertical waste piping. Facilitates removal from chase side of large objects (sheets, towels, etc.).

**TWC**: TOILET WASTE COUPLING

Waste coupling used to connect fixture (TWE) toilet waste extension to waste outlet.

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OTHER OPTIONS

THE TOILET OVERFLOW PREVENTER IS RECOMMENDED FOR FACILITIES WITH HIGH VANDALISM. (T4) IS NORMALLY USED IN CONJUNCTION WITH A BACK SUPPLY TOILET OR COMBINATION UNIT WHERE AN ACCESSIBLE PIPE CHASE IS PROVIDED.

(T4)- MANUAL RESET TOP FOUR OVERFLOW PREVENTER (REQUIRES HYDRAULIC FLUSH VALVE)

THE TOILET OVERFLOW PREVENTER IS RECOMMENDED FOR FACILITIES WITH HIGH VANDALISM. (T4A) IS NORMALLY USED IN CONJUNCTION WITH A BACK SUPPLY TOILET OR COMBINATION UNIT WHERE AN ACCESSIBLE PIPE CHASE IS PROVIDED.

(T4A)- AUTO RESET TOP FOUR OVERFLOW PREVENTER (REQUIRES HYDRAULIC FLUSH VALVE)

LONG PLASTIC SEAT IS OF SANITARY, OPEN FRONT DESIGN, NOT RECOMMENDED IN MAXIMUM SECURITY AREAS (AVAILABLE IN WHITE)

(HS)- HINGED PLASTIC SEAT

TOOTHBRUSH HOLDER(S) CAN BE MOUNTED TO EITHER SIDE OR BOTH SIDES OF THE FIXTURE BACKSPLASH, THE TOOTHBRUSH HOLDER IS FASTENED TO THE FIXTURE CABINET.  

(MUST SPECIFY LOCATION)

(TB1__)- SINGLE TOOTHBRUSH HOLDER  
(TB2__)- DUAL TOOTHBRUSH HOLDER

DESIGNED TO ACCOMMODATE A STANDARD TISSUE ROLL. THE TISSUE HOLDER IS WELDED INTO THE CABINET, GROUND SMOOTH AND POLISHED.  

(MUST SPECIFY LOCATION)

(RTH__)- RECESSED TISSUE HOLDER

THIS PRESSURE ACTIVATED RELEASE TOWEL HOOK WILL SUPPORT LIGHT CLOTHING & TOWEL LOADS, HOWEVER, EXCESSIVE LOADS PLACED ON THE HOOK WILL CAUSE IT TO RELEASE DOWNWARD.  

(MUST SPECIFY LOCATION)

(TH1__)- SINGLE TOWEL HOOK  
(TH2__)- DUAL TOWEL HOOK

A SERIES OF 1/4" HOLES PUNCHED ON 1/2" CENTERS PROVIDES AN ECONOMICAL MEANS OF PROVIDING A RETURN AIR SOURCE THROUGH THE FIXTURE AND WALL OPENING. (DUCT WORK AND DUCT FLANGES BY OTHERS).  

(MUST SPECIFY LOCATION AND FREE AREA REQUIREMENTS.)

(VG)- VENTILATION GRILLE

CONSTRUCTED OF 18 GAUGE GALVANIZED STEEL.  

METAL WALL TEMPLATES PROVIDE FOR FIXTURE ROUGH-IN CUT-OUTS IN A STEEL WALL. THE TEMPLATE HAS INTEGRAL LAYOUT PATTERNS FOR CUTTING OR DRILLING WALL OPENINGS.  

(MT)- WALL TEMPLATE

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OTHER OPTIONS (CONTINUED)

CONSTRUCTED OF 20 GA. GALVANIZED STEEL, WALL SLEEVES PROVIDE FIXTURE PLUMING ROUGH-IN OPENINGS IN BLOCK/POURED CONCRETE WALLS, BECOMING A PERMANENT PART OF THE WALL.

THE Ø1/2" STEEL RODS WELDED TO THE FRAME PROVIDE RIGIDITY AND HINDER ESCAPE INTO THE CHASE SHOULD THE FIXTURE BE REMOVED.

(WS)- WALL SLEEVE

FLUSH VALVE TAILPIECES ARE FURNISHED STANDARD WITH SLIP JOINT FIXTURE CONNECTIONS. STANDARD SLIP JOINT CONNECTIONS WILL WORK FOR WALL THICKNESSES UP TO 2", BEYOND WHICH THE CONNECTION BECOMES MORE DIFFICULT TO MAKE.

WILLOUGHBY RECOMMENDS THE USE OF A THRU-THE-WALL FLUSHING CONNECTION, ALLOWING FOR THE CONNECTION TO BE MADE IN THE CHASE.

(FVT)- FLUSH VALVE THROUGH WALL CONNECTION

Flush valves are available in 3.5 GPF (13.2 Lpf), 1.6 GPF (6.0 Lpf), and 1.28 GPF (4.8 Lpf).

(See S11-SUPPLEMENTAL INFORMATION)

(FV)- FLUSH VALVE

Provides water supply control for flushing water closets. Delany, Sloan, and Zurn flush valves are compatible with Willoughby units.

(TFE)- TOILET FLUSH EXTENSION

1-1/2" MALE I.P.S. FLUSHING INLET EXTENSION, EXTENDS FLUSH VALVE CONNECTION BEYOND BACK OF FIXTURE.

MUST SPECIFY LENGTH.

(TSC)- TOILET SHIPPING COVER

This option provides a stainless steel shipping cover for toilet bowls. Covers are designed to limit possible insertion of foreign material into the fixture prior to facility startup.

(ISH)- INTEGRAL SHELF

Fixture backsplash is built out to provide an integral shelf. Specify shelf dimensions when ordering.

(SL)- LIGATURE-RESISTANT TOILET SKIRT

The ligature-resistant toilet skirt is a welded stainless shroud extending from the outer edge of the toilet bowl down to the floor. It eliminates the area underneath the bowl, lessening the chance of the fixture being used as a ligature, or tie-off, device.

(See S11-SUPPLEMENTAL INFORMATION)

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OTHER OPTIONS (CONTINUED)

(LVCP)- LAVATORY CLOSURE PLATE

THIS OPTION ADDS A LIGATURE-RESISTANT LAVATORY CLOSURE PLATE TO THE SPECIFIED FIXTURE. (SHIPPED SEPARATELY)

(LGB)- LESS GRAB BAR (ON (GB)-STANDARD COMBI)

THIS OPTION DELETES A STANDARD GRAB BAR FROM THE SPECIFIED FIXTURE.
PLACEMENT DIAGRAMS

(RTH__)  
- **CABINET BODY**
  - L
  - R
  - LF
  - RF
- **MULTIHOLE CUBITEN**
- **RECTANGULAR CABINET**
- **ROUNDED CABINET**

(RTH - Designed to accommodate a tissue roll and to facilitate the location of tissue."

*IF NO SELECTION IS MADE, TISSUE HOLDER WILL BE PLACED IN FRONT OF LOCATION FOR UNITS WITH ANCHRED TOILET BOWL/2 AND IN LEFT FRONT (LF) LOCATION FOR UNITS WITH CENTERED TOILET BOWLS/2.*

(TH__)  
- **CABINET BODY**
  - L
  - R
  - LF
  - RF
- **MULTIHOLE CUBITEN**
- **RECTANGULAR CABINET**
- **RECTANGULAR CABINET**

**CLA-1785** - This fixture-resistant pressure activated release towel hook will support tight cladding and (hook and)moderate "overload". However, excessive loads placed on the hook will render its function useless.

*IF NO SELECTION IS MADE, TOWEL HOOK WILL BE PLACED ON SIDE OPPOSITE FLUSH VALVE.*

**TYP: SECTION**
- **FRONT VIEW**
- **1/4" HOLE**
- **RELEASE TOWEL**
- **HOOK**
- **14 GA., S/S BACKING PLATE**
- **14-20 X 1" S/S CARRIAGE BOLT**
- **1/4" S/S SPACER**
- **1/4-20 X 1/2" HEX NUT**

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