STOP LOG – STAINLESS STEEL SURFACE or EMBEDDED TYPE

SUGGESTED SPECIFICATIONS

GENERAL

Stop logs where shown in the plans and specifications and listed in the stop log schedule shall be as manufactured by Coldwell-Wilcox Technologies, LLC of Cincinnati, Ohio. The stop logs shall be stainless steel embedded or surface mounted type as called out by the specifications and site drawings.

Equipment provided shall be fabricated, assembled and placed in proper operating condition per the drawings, specifications, engineering data, instructions and recommendations of the log manufacturer unless otherwise noted by the engineer. The stop log assemblies shall be supplied with all parts and accessories as specified within the site specifications and drawings and as required for a complete installation.

MANUFACTURER'S QUALIFICATIONS

Stop logs shall be the latest standard product in regular production by a manufacturer whose products have proven reliable in similar service. A single manufacturer shall supply the stop logs.

MATERIALS

All materials will comply with applicable provisions and recommendations of the following, except as otherwise shown or specified:

- Frame, logs — ASTM A276 Type 304(L) or 316(L) Stainless Steel
- Fasteners — ASTM A276 Type 304 or 316 Stainless Steel
- Seals — Neoprene ASTM D2000 50-60 Durometer
- Lifter — A36 steel, 304(L) or 316(L) Stainless Steel

SUBMITTALS

Manufacturer's data and drawings shall be submitted for approval in accordance with site specifications and engineering drawings. Manufacturer's submittal shall include but not limited to stop log material specification sheet, stop log data summary sheet, site plan drawings and paint/coating data sheets.

PERFORMANCE

Stop logs shall be designed and shop tested. Design and operating heads shall be per the site schedule and/or specifications.

LOGS

CWT standard Logs shall be constructed of type 304(L) or 316(L) stainless steel structural shapes and or plate reinforced to withstand maximum seating and unseating heads. Fabricated logs may be provided in six (6) inch, twelve (12) inch, eighteen (18) inch or any height combinations required

per the specification, plans and/or schedule. Log deflection shall not exceed 1/360 of the span under the design head. Each log is designed with a dual J-seal and holder configuration for maximum sealing at the flushbottom and between each log. Stop logs are guide inserted and removed by means of a lanyard type lifter that is overhead crane operated. A latching device is provided on the lifter to engage and disengage the stop log pins. One lifter shall be provided for each width log.

FRAME (GUIDES)

Guides shall be of fabricated and/or extruded type 304(L) or 316(L) stainless steel. Guides are designed for embedding in or surface mounting to concrete. Surface mounted guides shall be mounted using a type 304 or 316 stainless steel anchor system. The guide channel is vertically lined front and rear with 50/60 durometer neoprene seals to maximize leakage control both seating and unseating. Guides shall be provided per plans, specifications and/or schedule. Guides shall be designed and constructed to withstand the total thrust caused by water pressure seating and unseating.

PAINTING

Steel components if any such as the lanyard lifter shall receive manufacturer's standard TNEMEC series N140-1255 pota-pox beige and TNEMEC series 69 pond 28BL finish prior to shipment. Total system shall be 12-16 mils DFT.

SHOP TESTING

Each stop log shall be fully assembled and shop-inspected for proper seating. Each log shall be inserted in its guide system to ensure proper fit and seal.

INSTALLATION

Installation shall be in complete accordance with manufacturer's instructions and recommendations. Anchor bolts will be set in accordance with approved manufacturer's drawings.

START-UP AND TEST

Contractor shall make adjustments required to place system in proper operating condition. Contractor shall conduct functional field test of each stop log assembly in the presence of the Owner's Project Representative to demonstrate that each part and all components together function correctly.