4” Handwheel Valve Control

A Trident ‘TRU-FLO’ 4.20” diameter rotating handwheel control (Model #19.416.1), Red color label, 16:1 ratio, will be installed. The handwheel control(s) will be pump panel mounted to control the specified gear-actuated valves (1.50” to 3.00” size range). The handwheel control(s) will be in compliance with all applicable NFPA 1901 standards for ‘slow-close operation’. The handwheel control assembly will be comprised of five (5) components:

1) Pump panel handwheel mounting assembly: Type #304 stainless-steel investment casting, including 0.250” countersunk mounting stainless steel bolts and locking nuts, and nylon shaft bearings.

2) Handwheel control assembly: Type #304 stainless-steel investment casting, with dimensions of 4.25” in diameter with a 0.50” x 3.00” long center control shaft.

3) Rotation control handle: Stainless-steel 1.00” x 3.00” long round rotating handle with nylon swivel bearings.

4) Position dial indicator: Center of the handwheel control will have a pressure tested and hermetically sealed color gradient 1.75” wide dial indicator (the poly-carbonate dial indicator will be replaceable if needed). The dial shall indicate any position, from fully closed (red in color), to partially open (yellow in color), to fully open (green in color). Integral magnets will maintain the dial indicator in a proper orientation, so that the moveable pointer displays the “true value position”. Internal gearing will be all brass and stainless-steel construction with ball bearings.

5) Swivel connectors: Two (2) brass and stainless-steel universal joint assemblies will be provided for connection to an installer supplied 0.500” control rod to the valve. The swivel connectors will sustain up to 300 in/lb. torque rating and angles up to 35 degrees.