PENTAIR

MYERS®

Specifications
12" SRA SERIES SOLIDS HANDLING SEWAGE PUMP LIFT-OUT RAIL SYSTEMS

GENERAL – Furnish and install a complete solids handling sewage pumping system consisting of _____ (qty) Myers _____ (model number) submersible solids handling sewage pumps and _____ (model number) lift-out rail systems, valves, controls, access cover(s) and all other appurtenances to make a complete system. For hazardous locations, the lift-out rail system shall be of nonsparking design and shall be FM Listed for Class 1, Groups C and D hazardous location service.

COMPONENTS – Each lift-out rail system shall consist of a cast iron base elbow, a cast iron pump attaching and seal plate, and a ductile iron pump guide plate. All exposed nuts, bolts, and fasteners shall be of 300 series stainless steel. No fabricated steel parts shall be used.

ELBOW – Discharge base elbow shall be a standard 125 lb. 12" flange.

SEALING – A sealing plate shall be attached to the pump. A simple downward sliding motion of the pump and guide plate on the guide rails shall cause the unit to be automatically connected and sealed to the base. The sealing plate shall have a machined groove to hold a molded urethane sealing ring in place. The sealing ring shall provide a redundant leak-proof seal at all operating pressures.

GUIDE RAILS – Two rail pipes shall be used to guide the pump from the surface to the discharge base connection. The guide rails shall be 3" schedule 40 _____ galvanized or _____ stainless steel pipe. The weight of the pump shall bear solely on the discharge base and not on the guide rails. Rail systems that require the pump to be supported by legs that might interfere with the flow of solids into the pump suction will not be considered equal. The guide rail shall be firmly attached to the access hatch frame. Systems deeper than 21 feet shall use an intermediate guide for each 21 feet of wetwell depth.

LIFTING CHAIN – An adequate length of _____ galvanized or _____ stainless steel lifting chain shall be supplied for removing the pump. The chain shall be of sufficient length and shall include an adequate number of lifting rings for easy removal. Lift chain shall be rated for overhead lifting with a minimum safety factor of 4 to 1.