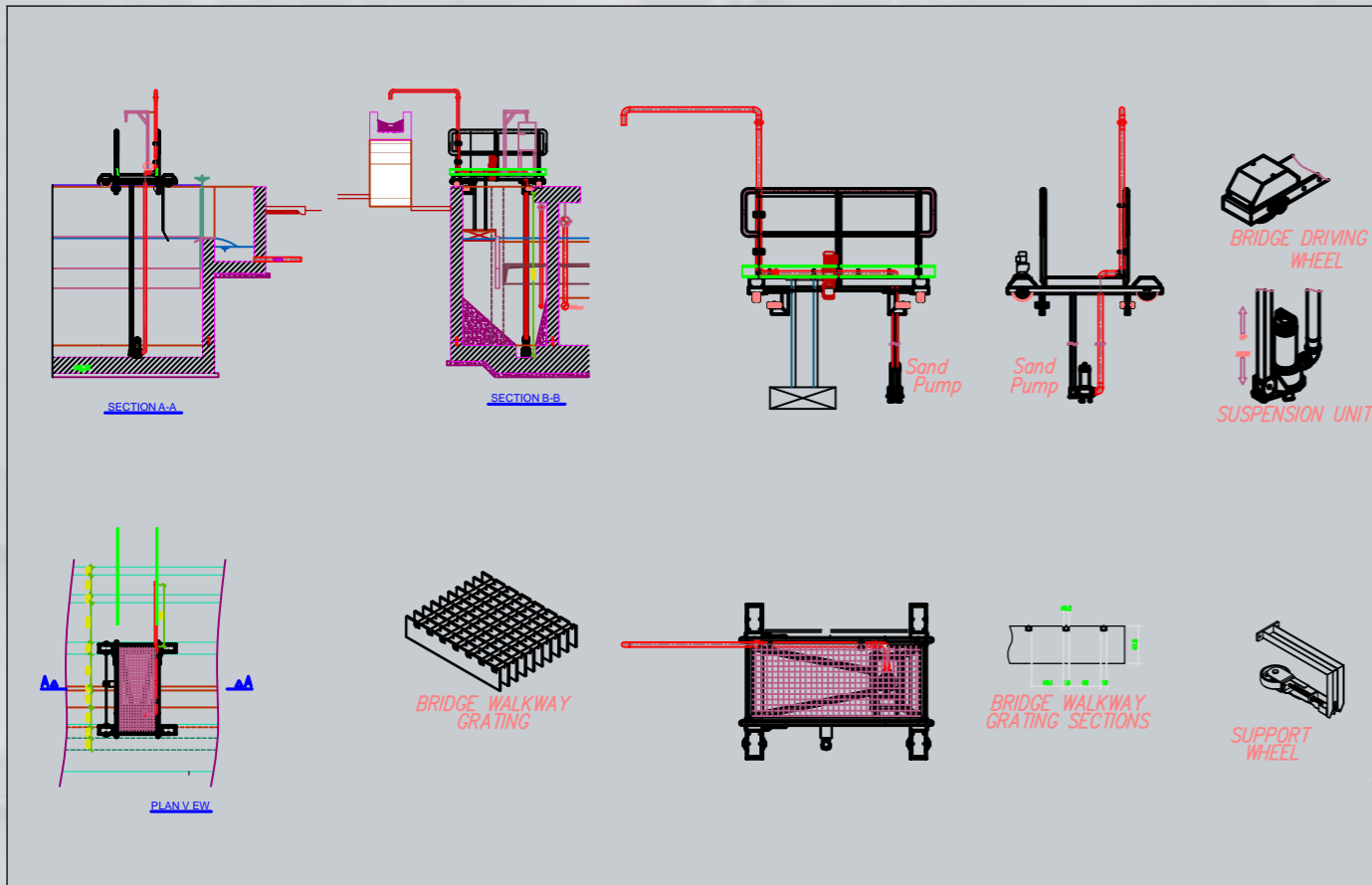


LONGITUDINAL SCRAPER BRIDGE



WORKING PRINCIPLES

The longitudinal scraper bridges are used in the rectangular grit and grease removal tanks.

In the pre-treatment plants grit is settled in a longitudinal tank and can be drawn out by means of air-lift pump or submerged pump. Alternatively the grit settled in the tank is scraped into a collection pit and pumped to the grit washer.

A portion of the tank can be arranged as grease removal and in this case the bridge when it is moving forward it scrapes or pumps the bottom sludge and when the direction is reversed it will scrape the scum and grease to the collection tank.

ARGES, designs longitudinal scraper speed as 2-3 m/mn
Longitudinal scrapers are composed of motor-reducer group, bridge, support wheel system and scraper.

ADVANTAGES

- Low energy consumption
- Stainless steel aluminium or hot deep galvanised options
- Adjustable speed
- Low maintenance and operation cost
- Rectangular tank application
- By means of support wheel system the defect of concrete is highly eliminated
- Easy operation



APPLICATIONS

- Bottom sludge and scum separator in primary sedimentation tank
- Bottom sludge and scum separator in secondary sedimentation tank
- Bottom sludge and scum separator in chemical precipitation tank
- Rectangular shaped tanks

LOW COST HIGH EFFICIENCY