

- b. Expansion anchors in partly damp environment: A2, ISO 3506 or approved equivalent
  - c. Adhesive anchors installed in wet areas, underwater, outdoor, highly corrosive environment: Stainless steel 1.4462. or approved equivalent
- Y. All anchors and fasteners shall be made from corrosion resistant material suitable for the designed and calculated load and suitable to that material to be anchored.

Description	Material
Structural Supports	Stainless steel 316L
Pipe Clamps < 1 "	Plastic
Pipe Clamps > 1 "	Stainless steel 316L

### 1.2.18 Trash Rack

- A. Bar screen shall be double mounted between U-channels guide and shall be capable of processing a peak as well average and low flow.. Effective screen area shall have a minimum of 70% free open-area for water flow. Open space between the screening bars shall maximum 50x50 mm and shall be selected based on the pump requirement.
- B. The screen shall be capable of processing the peak flow without exceeding the maximum upstream water level based on a 50% reduction of the screen's free open-area.
- C. All parts shall be SS316 designed and manufactured to handle the forces that may be exerted on the screen during fabrication, shipping, erection, and proper operation according to the O&M manual.

### 1.2.19 Mechanically Cleaned Bar Screen

#### ***General***

- A. Screen shall be furnished complete with bar rack, dead plate, discharge chute, side frames, covers, rake blades, drive chains, sprockets and bearings, scraper assembly, drive motor, gear reducer, anchor bolts, controls and all accessories