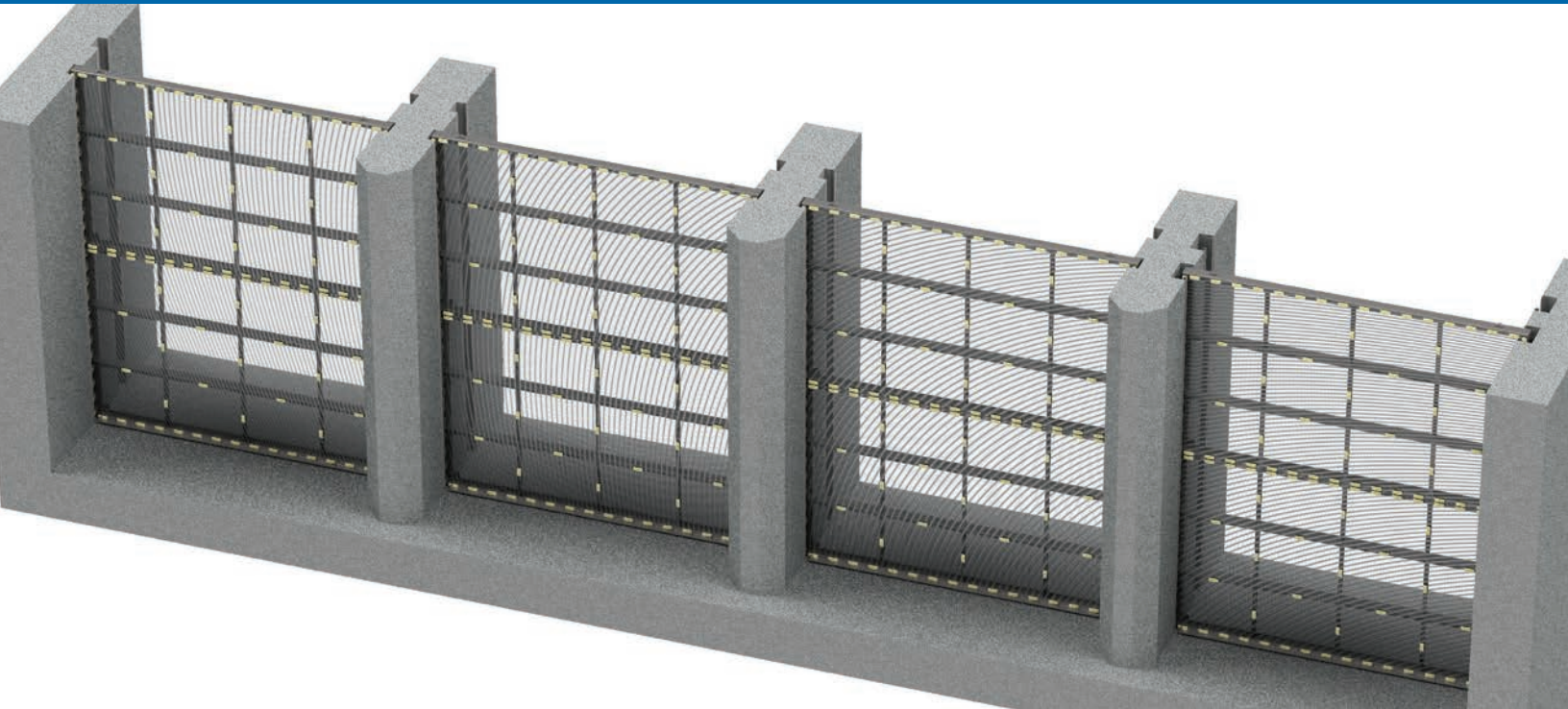


WTR[®] Stationary Screens

Cooling Tower and Pump Protection

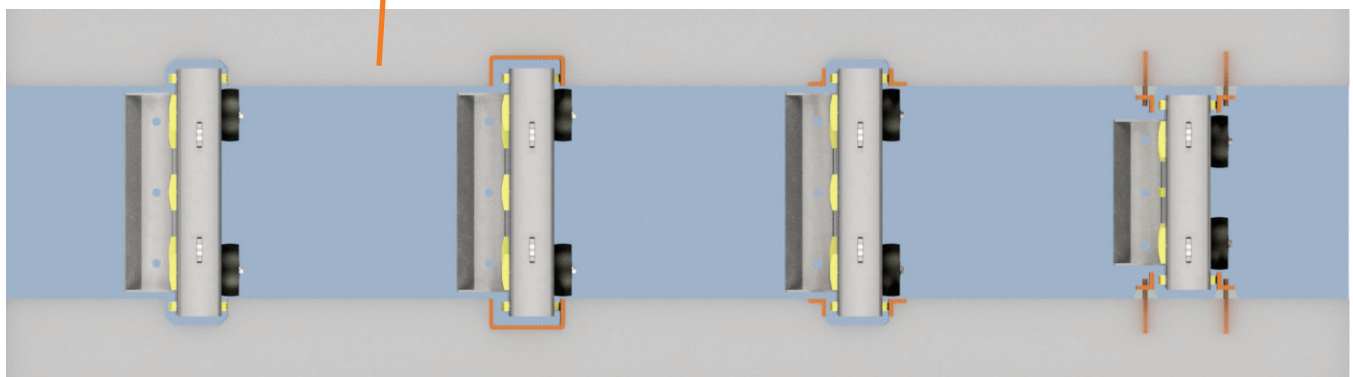
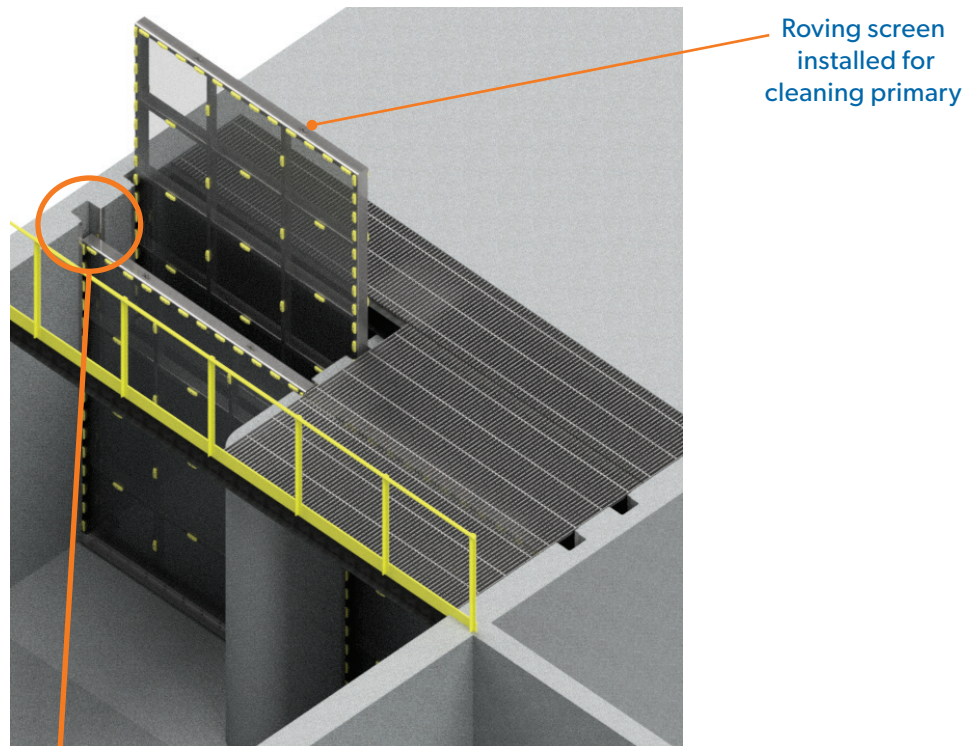


Stationary Screens

WTR Stationary (Static) Screens are one of the most economical means of protecting downstream equipment. Stationary Screens are used in all types of applications where debris fouling is not an hourly issue, yet protection of downstream equipment is essential. Applications include power plant cooling water, petro-chemical process water, irrigation, pulp and paper, industrial cooling water and pump protection.

Debris in the flow stream which can foul condensers, heat exchangers and pumps includes degrading tower elements (in closed loop cooling cycles), blow down, windblown trash and common aquatic vegetation. Stationary Screens are designed for manual cleaning with owner's existing washing equipment. Stationary Screens are also ideal for low flow or light debris loads.

Stationary Screens are typically used in series with a primary screen facing the flow. A Roving screen is placed downstream to capture debris when the primary screen is fouled and requires cleaning. Stationary Screens can be sized for new construction or adapted to existing sites, including the guides.



Block Out

Embed Channel

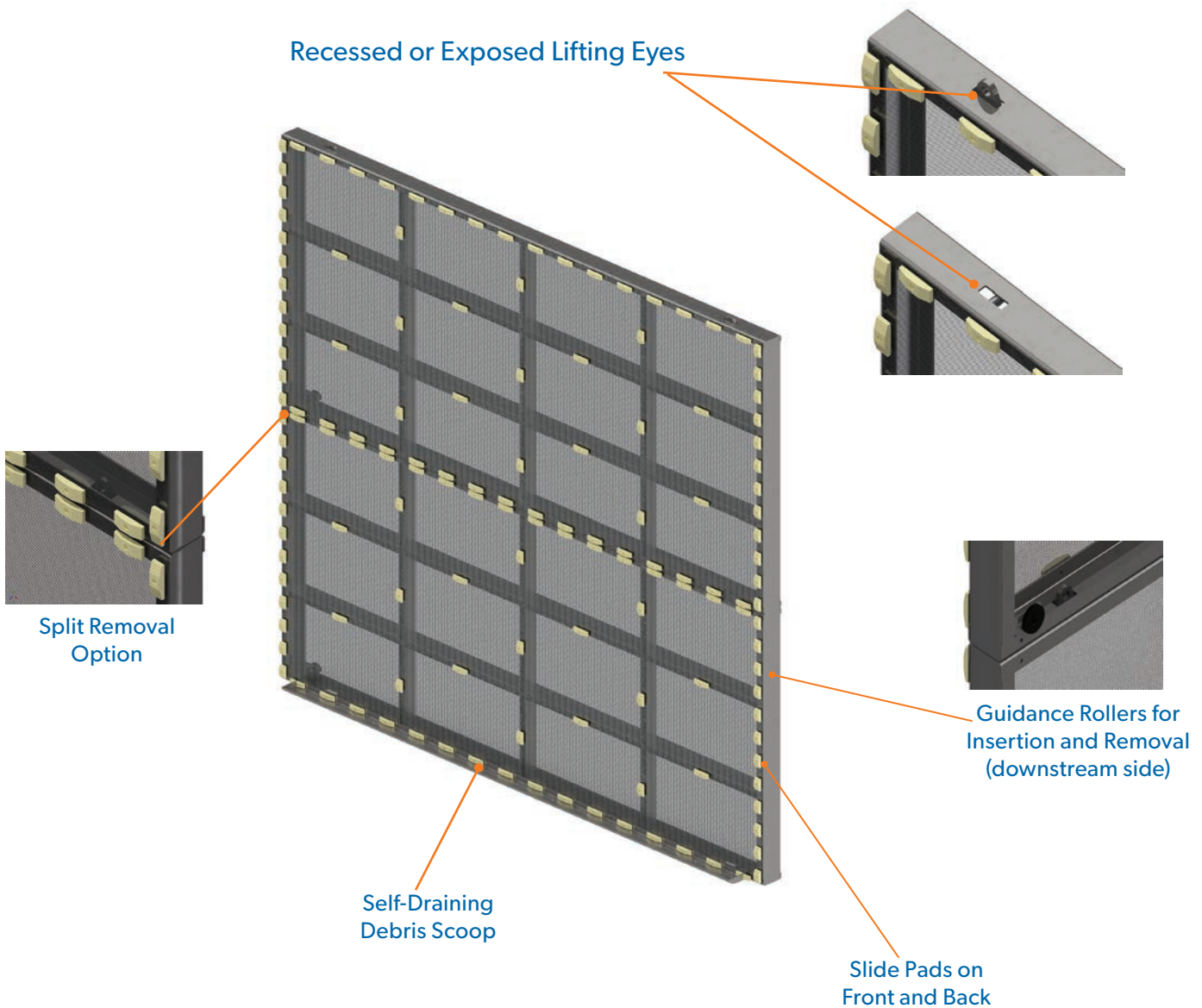
Embed Angle

Anchored Angle

Stationary Screen Guide Options

Features:

- Dedicated framed construction to site specific channel dimensions from 3ft. (1m) to 20ft. (6m) wide.
- Each screen contains a self-draining debris scoop to capture screened material on manual removal.
- Mesh sizes from 3/16" (5mm) to 1" (25mm) square are common or per customer requirements.
- Materials of construction can be mainly Carbon Steel with zinc coated wire & fasteners and galvanized frame or mainly Stainless Steel with SS mesh, fasteners and frame (304L, 316L, duplex or other).
- Synthetic clamps and slide pads are used for corrosion resistance.
- Various lifting methods are available such as customer's sling / chains or a dedicated lifting beam can be provided.
- Lifting eyes can be exposed for sites with handrails or recessed for deck cover plates.
- Screens can be single height or split in sections based on available plant lifting equipment.
- Guidance rollers are used to prevent jamming in the channel on insertion and removal.



Stationary Screen Details

Stationary Screen Sizing Data

Plant / Site Name _____

Site Location _____ (City, State, Country)

Water Source _____ Fresh _____ Brackish _____ Sea _____

Once Thru or Tower _____ Thru _____ Tower _____

Cycles of Concentration _____ (If applicable)

Number of Channels _____

Flow Rate per Channel _____ GPM _____ M³/Sec _____ MGD _____

Channel Width _____ Feet _____ Meters _____

Total Width of Intake _____ Feet _____ Meters _____

Deck Elevation or Depth _____ Feet _____ Meters _____

Hi Water Elev. or Depth _____ Feet _____ Meters _____

Lo Water Elev. or Depth _____ Feet _____ Meters _____

Invert / Bottom Elev. _____ Feet _____ Meters _____

Desired Mesh Opening _____ Inch _____ mm _____

Desired Materials _____ Mesh _____ Frame _____

Special Options _____

CONTACT DETAILS

Company Name _____

Contact Person Name _____

Email and Phone Number _____



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