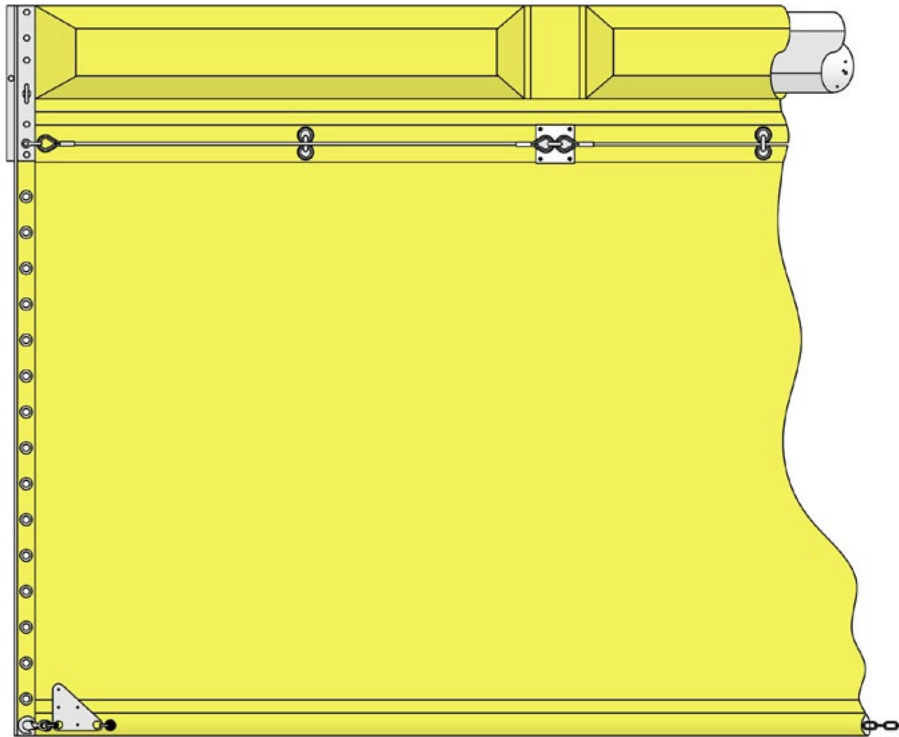


RUFFWATER SCREEN

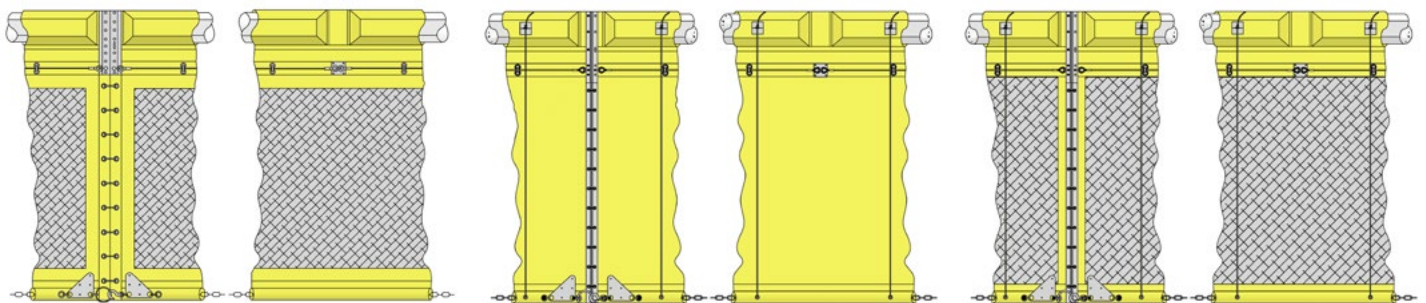


OPTIONAL RUFFWATER SCREEN MODIFICATIONS

FILTER CLOTH

REEFING SYSTEM

FILTER CLOTH & REEFING SYSTEM



Type III Ruffwater Screen Turbidity Curtain is a heavy duty premium barrier for use in tidal areas or areas where adverse conditions can occur. It is designed for use in demanding water conditions. The curtain intercepts debris and slows the movement of rough water, helping to keep marine habitats safe.

RuffWater Screen is the toughest turbidity curtain for sediment and silt control to protect fragile environmental conditions. The California Department of Transportation's (CALTRAN) Crissy Field Drainage Improvement Project installed the RuffWater Screen to mitigate silt and turbid water in the construction zone. This project has received several environmental awards and recognitions. This curtain is well suited for the construction of bridges, intakes, and pipelines. It is available in permeable and impermeable options.

Section Length	100 ft / 30 m Standard (other lengths available on request)
Draft	3 - 30 ft / xx m (custom depths available on request)
Freeboard	12 inches / xx cm
Flotation Element	12 inch octagonal expanded polystyrene logs placed end to end in the top fabric pocket with separations between logs to allow folding for storage.
Base Fabric	22 oz PVC - Safety Yellow (other colors available) 500 lb/in ² tensile strength
Permeable Fabric	Bradley Fabrics - Phoenix XL55 (specifications available on request)
Tension Cable	2 each 5/16" galvanized steel cable, with a break strength of 10,540 lbs, is sheathed in vinyl and seamed into the fabric one on each side of the skirt 20" below the flotation. These cables are shackled to the section connectors for uniform tension load transfer.
Ballast	The ballast/tension member is a 3/8", or heavier, galvanized steel chain enclosed in a double layer fabric pocket at the bottom of the skirt. The ballast chain enables the skirt to hang vertically in the water column. The ballast chain is shackled to a stainless steel stress plate at the end of each section. A hook and ring arrangement is provided to transfer the load from one section to the next through the stress plates.
Section Connector	Section of RuffWater Screen are joined together by sliding together the aluminum Universeal connectors that extend from the top of the flotation down the edge of the skirt. Below the connectors, skirts are joined by rope ties between evenly spaced grommets on the skirts. The ballast chain/stress plates are attached via a safety hook and ring. No tools are required.
Anchor Points	Provided every 50 ft. Standard anchoring is 1 anchor every 100' in one directional flow (on upstream side), or 2 every 100' (one on each side) if bi-directional is anticipated. Should flows increase or additional anchors be needed, the points will already be in place 50' OC.
Reefing System (optional)	To raise and lower the curtain skirt. This allows for the system to match the depth requirements of the project exactly.
Optional Items	Marker Buoys, Anchor Systems, Navigational Warning Lights, Repair Kits, Oil Spill Kit, Incinerators, Debris Boom