Completing this questionnaire will help Waterman understand your needs for a custom radial gate.

**Dimensions**
How wide is the channel being controlled? __________________
How tall does the gate need to be? __________________

**Channel Type**
Is this new construction or an existing site? ______________
____________________________________________________
Is the channel open or is the gate intended to control an aperture (breast wall)? __________________
If an open channel, what is the maximum water depth that will flow over the top of the closed gate? __________________
If an aperture is being controlled, what is the maximum water depth that will be against the closed gate? ____________

**Mounting**
Are the side and invert sills embedded or surface mounted? ________________________________________________
Is the pivot point for the gate to be level with the top of the gate, or otherwise? ____________________________
Is the radius of the gate going to be 1.25 times the height of the gate (Waterman standard design) or otherwise?

What pivot mechanism mount is preferred?
- Embedded
- Wall Mount Brackets
- Cross-Channel Mounted Brackets

What L/R ratio is preferred for the pivot arms?
- 120
- 150
- Other: __________________

**Material**
Should the gate be made from mild steel or passivated stainless steel? _________________________________
Cover deflection desired? (standard is 1/360 of width span) _____________________________________________
Will the gate be subject to an ice load? If yes, what is the ice load pressure on the gate in lbs/foot? __________

**Operator**
If motor-driven, what voltage and phase available? __________
Preferred brand of operator? __________________________
Hoist speed requirement? _____________________________
Does the hoist mechanism need to be installed remotely? (non-standard location) _______________________