

Team AquaHarmonics

#### Material List

Material	Surface Area [m <sup>2</sup> ]	Density [kg/m <sup>3</sup> ]
Steel	530	7,850
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#### Representative Structural Thickness

Material	Low [cm]	Operational [cm]	High [cm]
Steel	2.39	2.49	2.72
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#### Manufactured Material Cost

Material	Low [USD/Tonne]	Typical [USD/Tonne]	High [USD/Tonne]
Steel	\$2,250	\$3,000	\$4,500
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#### Characteristic Capital Expenditure (CCE)

CCE = Total Surface Area (m<sup>2</sup>) x Representative Structural Thickness (m) x Density of Material (kgm<sup>-3</sup>) x Cost of Manufactured Material per unit Mass (\$kg<sup>-1</sup>).

Material	RST [cm]	MMC [USD/Tonne]	CCE/material [\$]	TOTAL CCE [\$]
Steel	2.49	\$3,000	\$310,789	\$310,789

#### Notes/Comments