

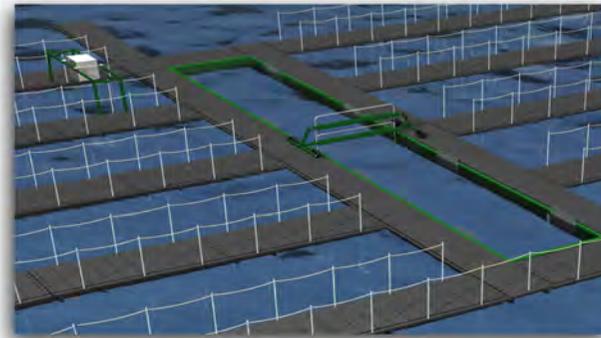


Product Catalogue
2009



Simple, Flexible and Versatile

Cageways 400 and 200 series growout systems



Cageways Australia is a leading manufacturer and distributor of custom aquaculture, grow-out systems and supplies. Our goal is to provide you with the best products and service in the aquaculture industry to meet all your farming supply requirements.

We have designed a World class cage culture system with newly developed technology and equipment which is proven highly cost effective through full commercial production. We supply complete grow-out systems to customers that work.

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Opportunity awaits aquaculture

Aquaculture, the farming of fish and other aquatic organisms as opposed to catching them from the wild, has the potential to create additional wealth for Victorian communities through diversification into sustainable new enterprises. Aquaculture could also simultaneously help to address concerns about water use in agriculture through adoption of an integrated, multiple water-use approach to agrifood production.

There are good domestic and export market prospects for high-quality farmed fish, such as Australia's largest freshwater fish species, Murray cod (*Maccullochella peelii peelii*), which is highly valued for commercial, recreation and conservation purposes.

Irrigated agricultural production in Australia creates products worth around \$9.6 billion a year, or 28 per cent of value of the nation's total agricultural production. In this context, the integration of aquaculture and agriculture for production of various freshwater finfish, including Murray cod, is considered to be the most significant inland aquaculture opportunity in Australia in the foreseeable future.

The Mildura region currently produces 21 per cent of Australia's wine grape crush, 20 per cent of Australia's citrus production, 65 per cent of Australia's table grapes and 95 per cent of Australia's dried vine fruit production. The recent trend for new irrigation developments established by private diverters in Sunraysia to include very large on-farm irrigation storage dams has created

a water resource that could be used for aquaculture enterprises before it is applied to crops.

Recent increases in the amount of agricultural water that is reused in Australia are being driven by a range of economic, environmental and social factors. The value of water was recently acknowledged by the establishment of markets to enable water users in the Murray-Darling Basin, including Sunraysia producers of irrigated fruit and vegetables, to buy and sell their water allocations.

There are clear financial incentives for all Victorian producers to obtain maximum value from the water they use and to introduce new on-farm enterprises to reduce the risks associated with the failure of a single crop or pasture-based livestock venture. Diversification is particularly important in agriculture because weather conditions and market trends play such a major role in determining the success or otherwise of a farming enterprise.

Aquaculture makes use of water, but does not typically consume it. Aquaculture therefore has the potential to use water that is being stored for other purposes without adversely affecting the achievement of those other purposes. It is well established in Asia, which dominates both wild catch and aquaculture fish production.

The term 'integrated agri-aquaculture systems' refers to the integration of aqua-

culture and irrigated farming systems to optimise the economic and environmentally sustainable use of existing energy, resources and infrastructure.

Aquaculture is also important in the context of the world's commercially harvested fish species, many of which are either fully exploited or in some cases have collapsed. The United Nations Food and Agriculture Organisation (FAO) has predicted that from 2001 any further increases in global seafood consumption would be met by aquaculture and that by 2030 aquaculture would provide more than half the world's fish supplies.

Despite its leadership in other areas of primary production, Victoria has not achieved the same gains in aquaculture as other states. Integrated agri-aquaculture systems based on the use of irrigation water being stored for horticultural production have the potential to boost the value of Victorian farm production without increasing water consumption.

Murray cod has good aquaculture prospects in the Sunraysia region, along with other freshwater species of commercial value, including rainbow trout. Although Sunraysia could not compete with Victoria's existing trout industry centred in the Goulburn Valley, it could possibly supply around 100-200 tonnes of trout a year to nearby regional centres where the supply of affordable, high quality, fresh table fish is limited. Additional income could be derived from supporting

local manufacturers of trout products such as pickled trout, smoked trout and pâtés. In addition to local markets, the higher-priced Murray cod has potential for supply to large export markets, particularly in Asia—provided it can be produced at the right price and in the right quantities. Being a large fish, Murray cod also holds potential for value-adding through specific cuts such as fillets and cutlets.

Murray cod is prized for its size and good eating quality. The cod's popularity with amateur anglers combined with habitat loss and modification within its natural range in the Murray-Darling Basin has seen its numbers dwindle over the last few decades. It is currently listed under Victorian and Australian legislation designed to protect the conservation status of the species.

Since the early 1980s, Murray cod restocking programs have been conducted by state government agencies and recreational fisheries groups in New South Wales, Victoria and Queensland. In total, these programs have released more than 8.4 million fingerlings produced from broodfish caught in the wild and encouraged to spawn in captivity. Most of these have been released into rivers, impoundments and weirs within the natural range of the species in the Murray-Darling Basin.

Department of Primary Industries - Our Rural Landscapes Project
DRAFT TECHNICAL NOTE
ORL Sub-Project 1.3: Multiple water use – adding value and sustainability to water in agricultural landscapes.

Murray cod supply chains in Sunraysia



The Cageway grow-out system is an aquaculture production system.

A innovated change to cage culture where the system allows treatment, grading and day to day running to be performed without physically handling of the product,

thus being labour efficient and able to reduce stress due to handling of the product.

The Cageway system integrates a modular pontoon with nets and a central tank to provide the base of the Cageway system.

The system being modular can form many options to the customer.

All systems are supplied turnkey with many optional extras available to make sure you receive exactly what you want to suit your operations.

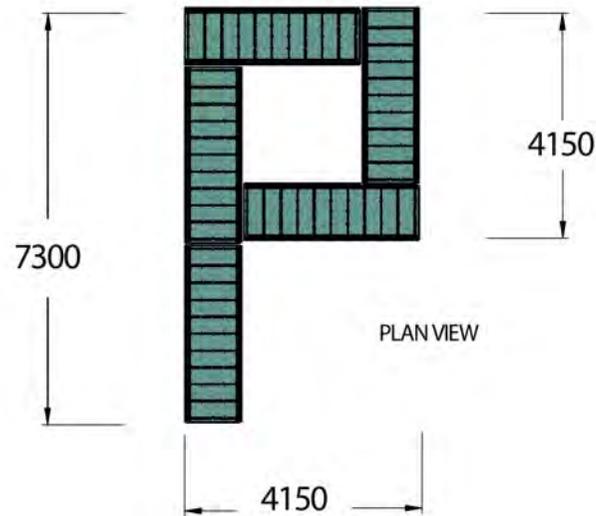
The Cageway system is available in three base options

1. **The 10 series**
2. **The 200 series**
3. **The 400 series**
4. **The customized**

The 10 series

The 10 series is our starter system, a 10 cubic metre system, simple, easy and effective a good system which allows the customer to get a feel for aquaculture. Ask our sales staff for special options available.

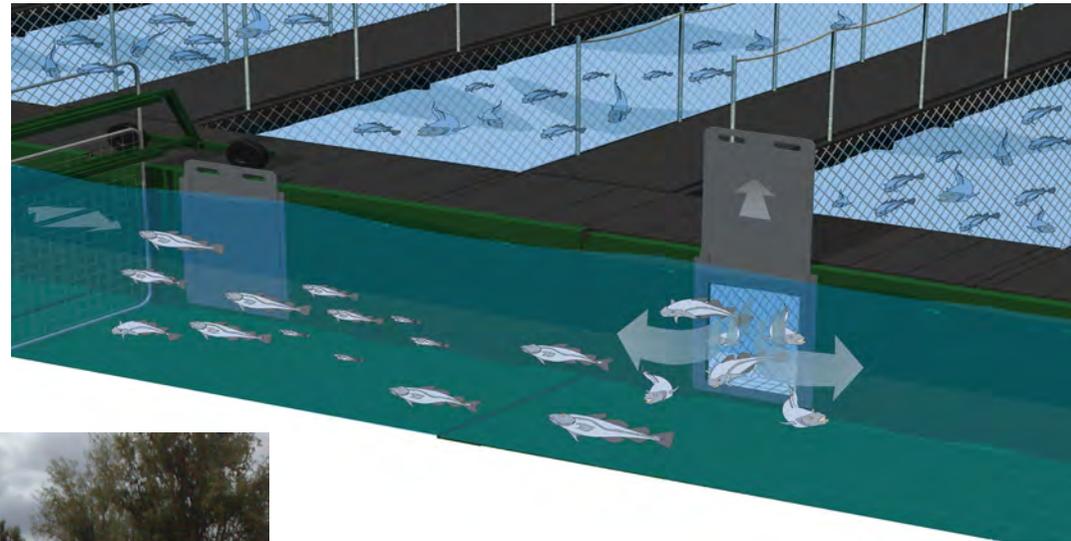
PLAN: 10 Series



Price \$14,300 (inc G.S.T)

The 200 series

The 200 series is perfect for the customer just starting off or a bit tight for room, with 200 cubic meters in 4 cages of production area, and incorporating a 5 meter centre tank.

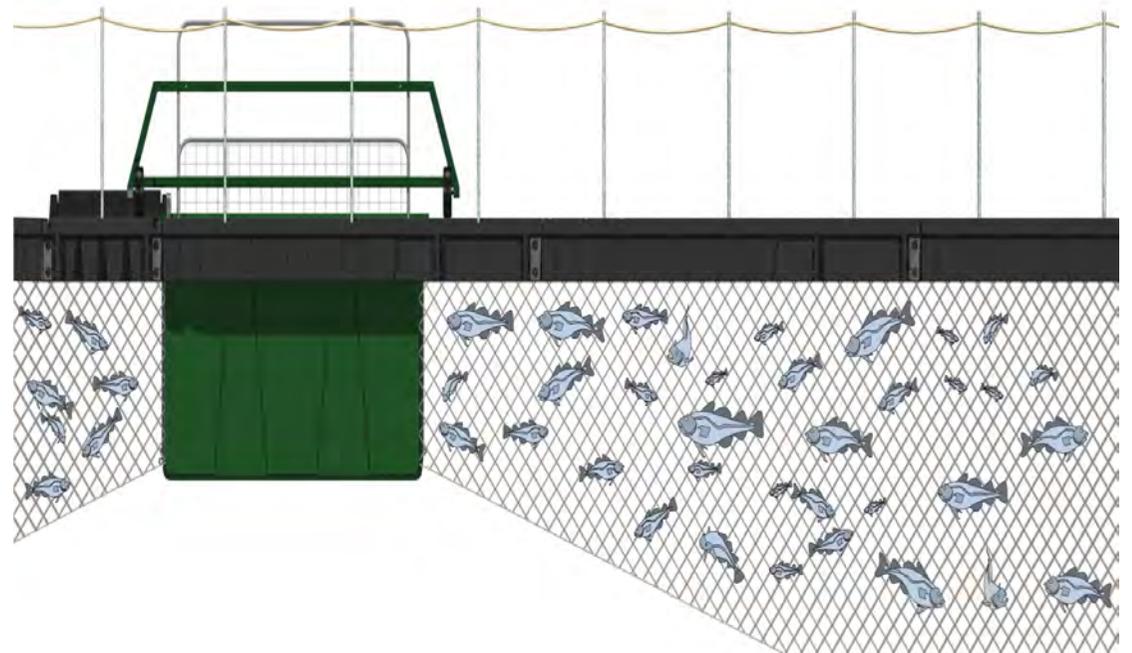


The 200 series

<i>ITEM</i>	<i>QTY</i>
Ysi monitoring unit	1
<i>Walkway out</i>	
3mt walkways	5
Hand rails	10
Net Rails	5
Security door	1
<i>Module</i>	
3mt walkways	30
2mt walkways	4
Net Rails	49
Fish nets 12 x 2 x 2 mts	4
<i>Tank</i>	
6mt tank and dividers	0
5mt tank and dividers	1
Pusher frame and grate	1
<i>Roof</i>	
7mt Roof truss	6
6mt roof truss	0
Bird netting	1
<i>Feeders</i>	
Cageway auto feeders	4
Feeder frames	8
<i>Aeration</i>	
Single phase blower 1.5 KW	1
Aeration units	4

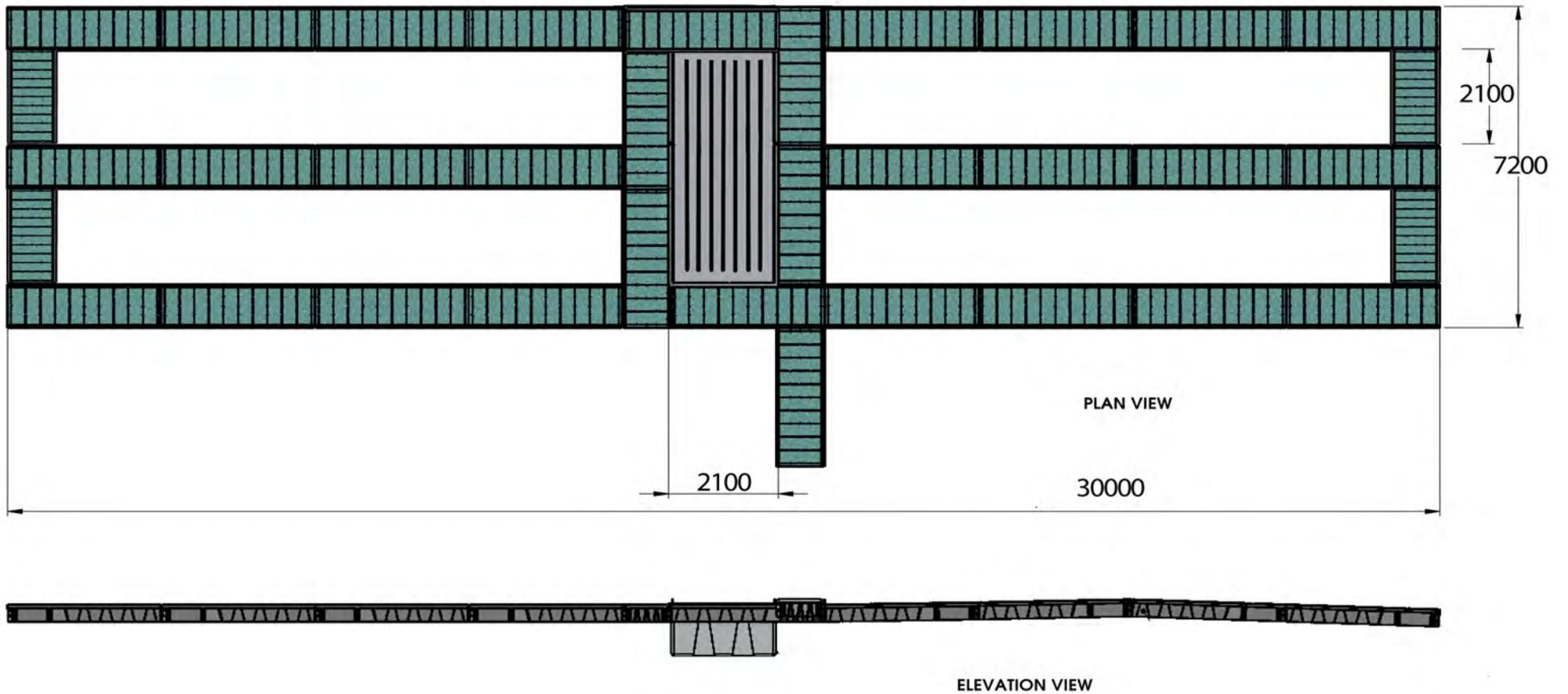
Includes Freight within 100 km radius and Installation

WARRANTY : 12 months, subject to conditions



200 series layout

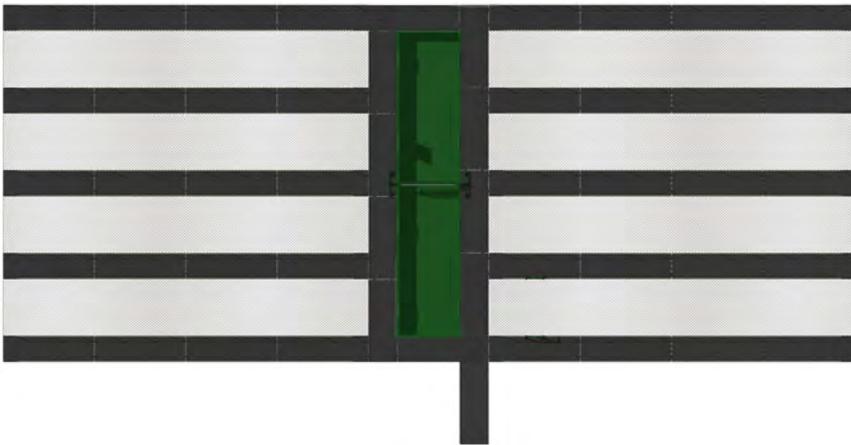
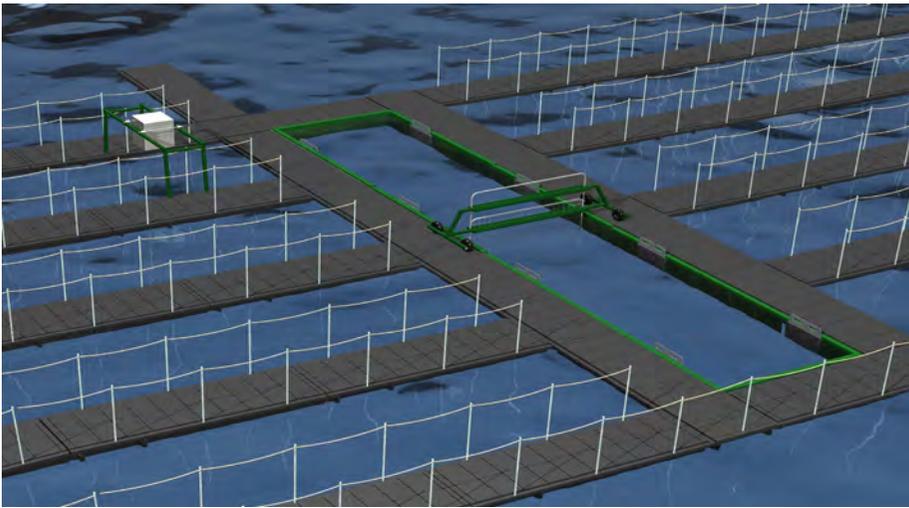
Plan : 200 series



Price \$165,000 (inc G.S.T)

The 400 series

The 400 series is our benchmark model with 400 cubic metres of production area in 8 cages and a 11 metre centre tank a system that is just easy to use and utilizes the space needed.

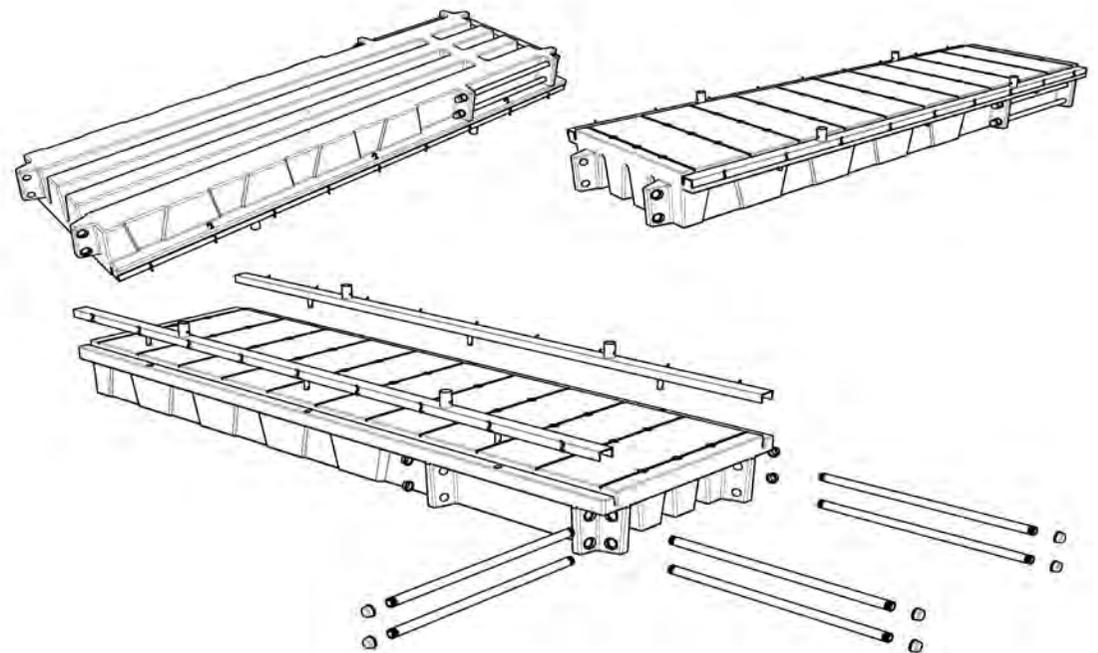


The 400 series

ITEM	QTY
Ysi monitoring unit	1
Walkway out	
3mt walkways	5
Hand rails	10
Net Rails	5
Security door	1
Module	
3mt walkways	50
2mt walkways	8
Net Rails	81
Fish nets 12 x 2 x 2 mts	8
Tank	
6mt tank and dividers	1
5mt tank and dividers	1
Pusher frame and grate	1
Roof	
7mt Roof truss	6
6mt roof truss	6
Bird netting	1
Feeders	
Cageway auto feeders	8
Feeder frames	16
Aeration	
Single phase blower 1.5 KW	1
Aeration units	8

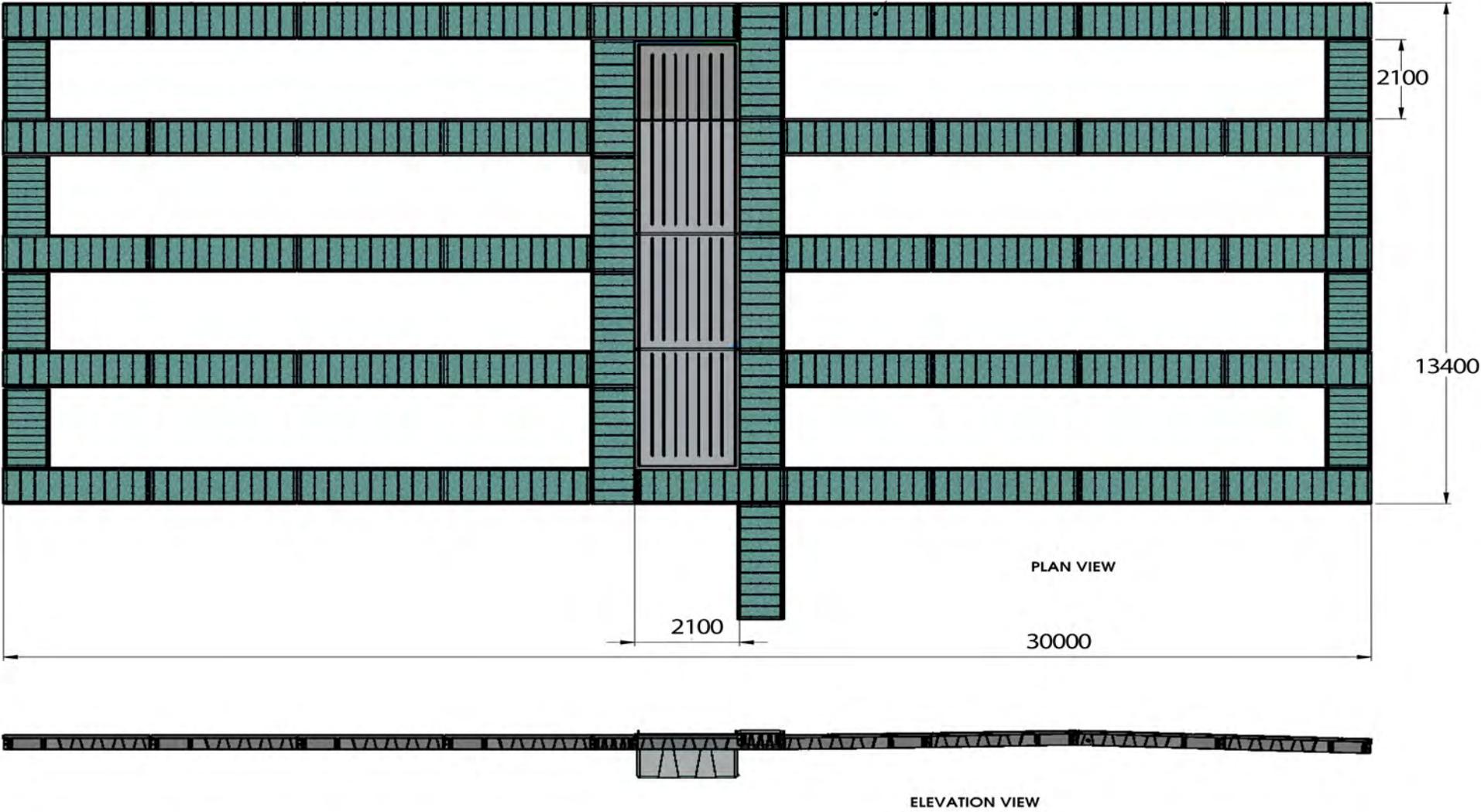
Includes Freight within 100 km radius and Installation

WARRANTY : 12 months, subject to conditions



400 series layout

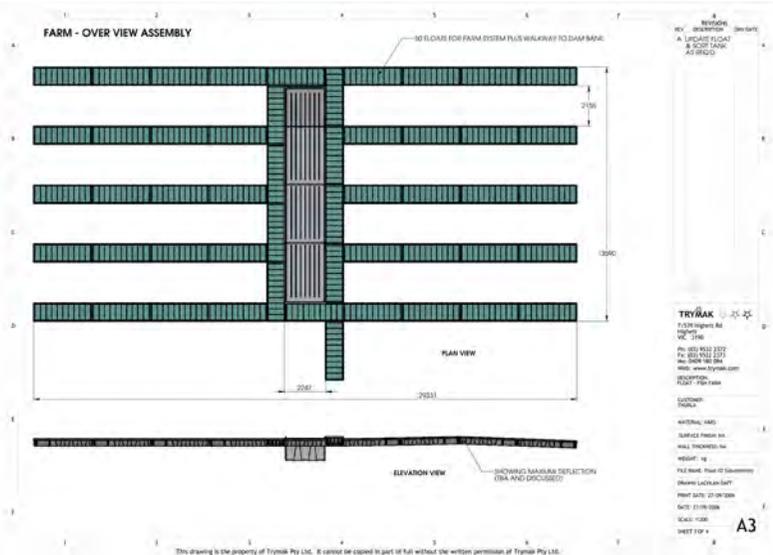
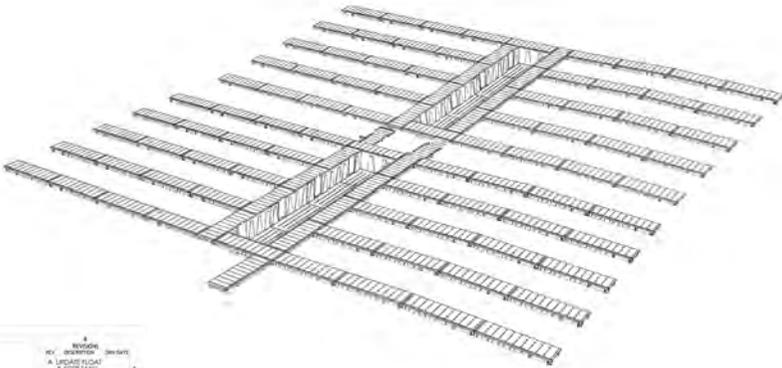
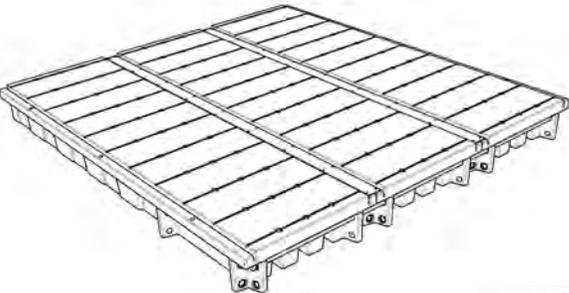
Plan : 400 series



Price \$275,000 (inc G.S.T)

The Customized

The customized is the system that if you want we can build it from 200 cubic meters to whatever your needs, all you need to do is discuss it with our sales staff.



FOR MORE INFORMATION

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