



PROJEK - SHINETSU POLYMER SB SHAH ALAM
Tank Size : 44FT(L) x 20FT(W) x 12FT(H)



PROJEK - TYCOPLUS INDUSTRIES SB, IJOK
Tank Size : i) 56FT(L) x 16FT(W) x 16FT(H)
ii) 12FT(L) x 4FT(W) x 8FT(H)



PROJEK - F&N BEVERAGE, TAMPOI JOHOR
Tank Size : 48FT(L) x 20FT(W) x 16FT(H)



PROJEK - HARTALEGA NPC PHASE 2, SEPANG
Tank Size : 60FT(L) x 16FT(W) x 16FT(H)



JUTARAMA INDUSTRIES (M) SDN BHD (749861-V)
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WINKO

(Established more than 40 years)

PRESSED STEEL SECTIONAL RECTANGULAR TANKS



JUTARAMA INDUSTRIES (M) SDN BHD
(749861-V)

FEATURES OF PRESSED STEEL WATER STORAGE TANK

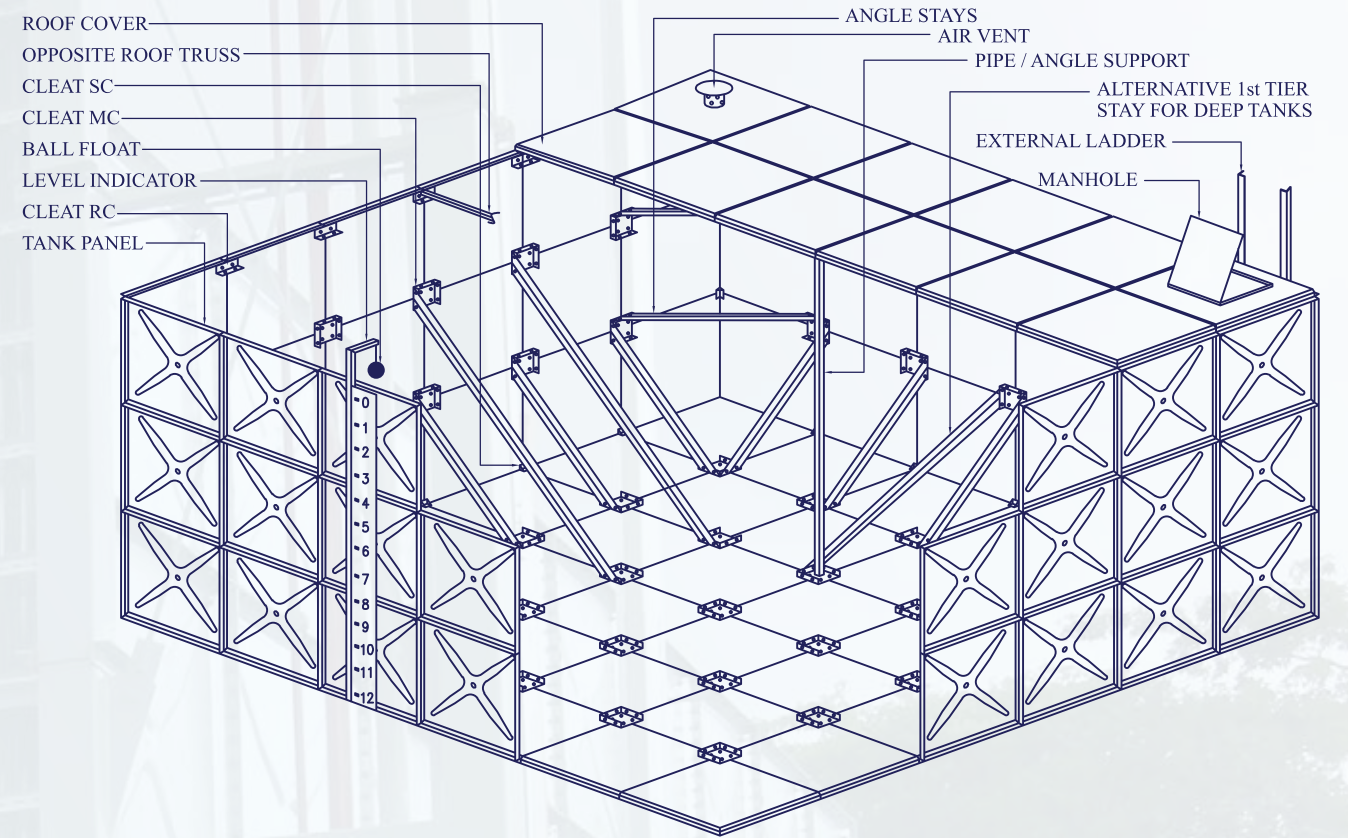
WINKO pressed steel sectional rectangular tank provides a convenient means for bulk storage of water. It is manufactured to the highest level of quality and has conformed to British Standards (BS 1564:1975). The system is simple and yet cost effective and requires a very short time for installation. It is very useful for awkward and difficult locations which are unsuitable to other forms of bulk storage system. The size of the tank can be readily enlarged by merely adding new panels.

WINKO pressed steel sectional rectangular tanks are assembled by bolting together the side plates, partition plates (where applicable) and base plates. Angle stays are fixed to cleats, which in turn are bolted to the side and base plates, to obtain rigidity of the tank. The seams of the tanks are sealed with sealant tape which is non-toxic and does not impart any taste to the water.

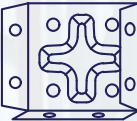
With over 40 years experience WINKO pressed steel sectional rectangular tanks are being recognized as one of the most reliable and trusted products in Malaysia and overseas market.

PANEL						
Material Specifications: Steel plate conformed to the requirement of BS 4360 : 1972 grade 43A, or BS EN 10025-3:2004 or equivalent						
Nominal Thickness	1220 mm x 1220 mm	Tank Height	1220mm	2440mm	3660mm	4880mm
Specification Of Unit Plate		Base Plates	5.0mm	5.0mm	5.0mm	6.0mm
		1st Tier Plates	5.0mm	5.0mm	5.0mm	6.0mm
		2nd Tier Plates		5.0mm	5.0mm	5.0mm
		3rd Tier Plates			5.0mm	5.0mm
		4th Tier Plates				5.0mm
	1000 mm x 1000 mm	Tank Height	1000mm	2000mm	3000mm	4000mm
		Base Plates	3.0mm	3.0mm	4.0mm	4.0mm
		1st Tier Plates	3.0mm	3.0mm	4.0mm	4.0mm
		2nd Tier Plates		3.0mm	4.0mm	4.0mm
		3rd Tier Plates			4.0mm	4.0mm
		4th Tier Plates				4.0mm
FLANGES OF PLATE	Hydraulically pressed with a combined double flange at an angle of 45 degree or 90 degree to the face of the plate on all four sides.					
BOLTS HOLES	2.0mm of hole clearance in diameter for bolt having a minimum diameter of 14mm (M14) Or up to 16mm (M16). Bolt holes spacing of not exceeding 76.2mm pitch					
FREEBOARDS, STAYS, CLEATS & PADS FOR CONNECTION	Materials Specifiactions : Steel plate conformed to the requirement of BS 4360 : 1972 grade 43A or ISO equivalent					
BOLTS, NUTS & WASHERS	Bolts, nuts and washers are conforms to BS 4190 or ISO equivalent when necessary determined by manufacturer					
JOINTING MATERIALS	Non-Toxic and odourless pvc foam sealant and butyl sealant					
TANK COVER	1.5mm or 2.0mm thick hydraulic pressed cover supported by trusses, 600 x 600mm square manhole and 100mm diameter air vent for each compartment.					
ACCESS LADDERS	Will be provided for all tanks depth over 1000mm					
WATER LEVEL INDICATOR	Mechanical of cat-and-mouse type with graduated mark in feet or meters					
COATING FINISHES	1) One coat Non-toxic primer and one coat black bituminous 2) Hot Dipped Galvanised conform to BS EN 1461:2009					

TYPICAL PRESSED STEEL SECTIONAL RECTANGULAR TANK WITH EXTERNAL FLANGES



TYPES OF MILD STEEL CLEATS

Type RC	Type MC	Type SC	Type PC	Type PTC
				
Roof Cleat	Main Cleat	Star Cleat	Plain Cleat	Partition Cleat

SUPPORTS AT GROUND OR FLAT ROOF LEVEL

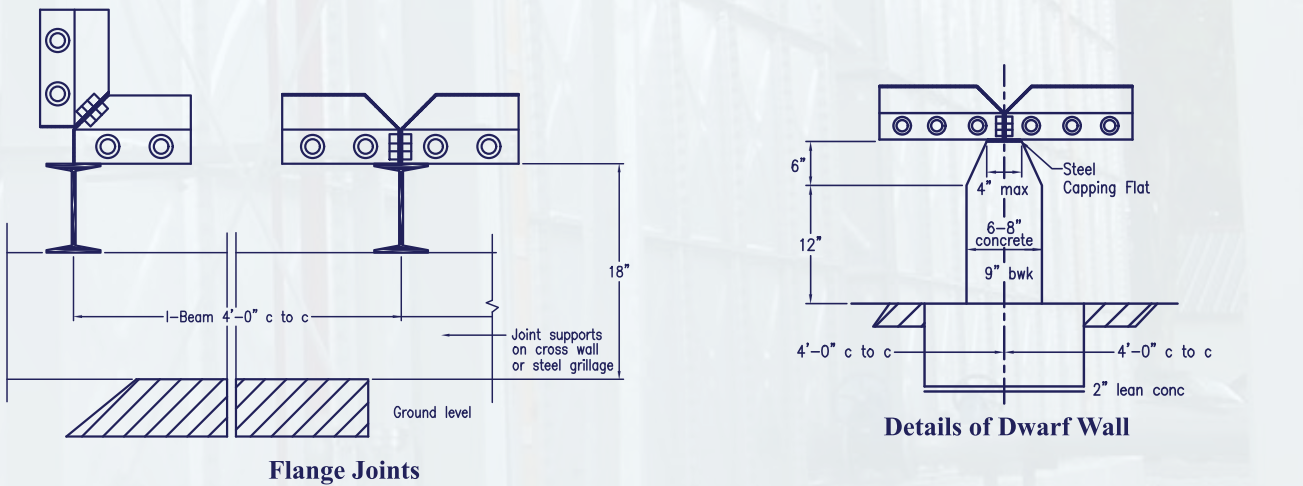


TABLE OF MAXIMUM LOADS FOR WATER STORAGE	
depth of tank	loads on walls per foot run
1.22m (4 ft)	0.5 tons
2.44m (8 ft)	1.0 tons
3.66m (12 ft)	1.5 tons
4.88m (16 ft)	2.0 tons

