

## K-TYPE PREFABRICATED BUILDING FOR WORKERS



[Prefabricated building](#) (K type) is a standard modular house which can be designed as single storey or multistory. The inside layout can be designed as per customers' requirements.

When delivery, it is knock-down to save space. Based on bolts connection without welding work, it could be assembled and disassembled easily and four workers can finish 100m<sup>2</sup> in 8 hours according to instruction and CD.

### SPECIFICATION:

	Room Specification	
<b>1</b>	Room number / Row	20 Rm/Floor x 2 Stories = 40 Rooms
	Room Size	2.75 x 2.75m, Area = 7.5sq.m
	Steel Material Structure	
	Column	2C-80x40x15x1.8 w/ Anti Rust Paint & Oil Paint Finished
	Base Beam	C-80x40x15x1.8 w/ Anti Rust Paint & Oil Paint Finished
	Floor Beam	C-80x40x15x1.8 w/ Anti Rust Paint & Oil Paint Finished
<b>2</b>	Ring Beam	C-80x40x15x1.3 w/ Anti Rust Paint & Oil Paint Finished
	2nd. Floor Purlin	C-80x40x15x1.3 w/ Galvanized
	Walkway Bracket	C-80x40x15x1.3 w/ Anti Rust Paint & Oil Paint Finished
	Walkway Panel Steel Panel	1.8 MM Anti-skid Steel Panel width=970 mm & Oil Paint Finished
	Steel Rod Bracing	RB 9 w/oil paint and GIS. Tum Buckle & Oil Paint Fished
	Wall Partition Specification	
<b>3</b>	Steel Plate Thickness	t > 0.25 mm
	Insulation Panel	Polystyrene Foam t = 75 mm. / Density = 12 kg./ cu. m. Edge with steel belt
<b>4</b>	Floor	
	Floor 1, 2	Black Plywood 15 mm

Roof Sheet Specification

5	Purlin Roof	C-50x10x5x1.3 w/ Galvanized
	Roof Type	t > 0.25 mm
		Polystyrene Foam t = 75 mm. / Density = 12 kg./ cu. m.
	Roof Drain	Standard
6	Door and Window	
	Door	steel composite door with lock t= 50 mm. Size 830x2000 pad Lock
	Window	PVC Window Slide w/ clear glass 4 mm.and lock Set. Size1335*920mm
<b>Wind resistance</b>	Grade 11(wind speed ≤ 120km/h)	
<b>Earthquake resistance</b>	Grade 7	
<b>Show load capacity of roofing</b>	0.6 kn/m <sup>2</sup>	
<b>Live load capacity of roofing</b>	0.6 kn/m <sup>2</sup>	
<b>External and internal wall heat transmission coefficient</b>	0.35 kcal/m <sup>2</sup> hc	
<b>Wall permitted loading</b>	0.6 kn/m <sup>2</sup>	