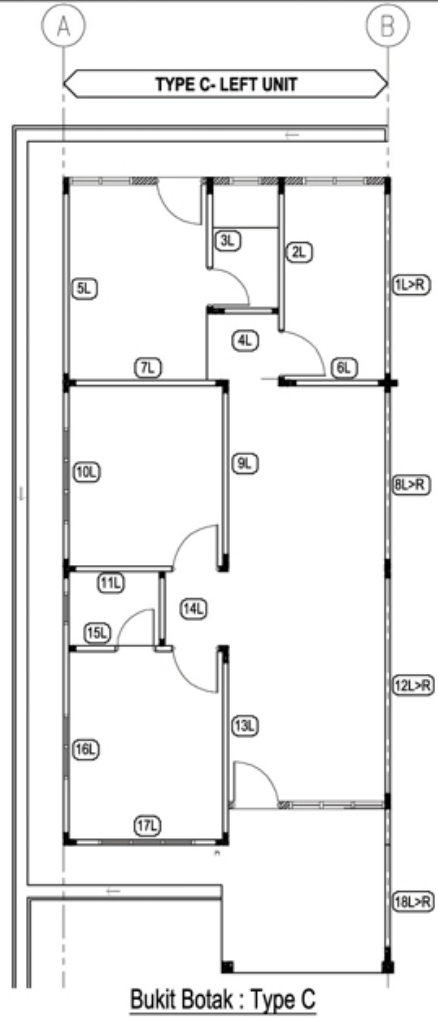


Bukit Botak : Type C (Panel Area) - 1 Unit

	Panel Name	Panel Width (m)	Panel Height (m)	Panel Area (m ²)
1.	1L>R	3.43	3.05	10.462
2.	2L	3.505	2.725	9.551
3.	3L	2.155	2.725	5.872
4.	4L	0.946	2.725	2.578
5.	5L	3.43	2.775	9.518
6.	6L	1.6	2.725	4.360
7.	7L	2.69	2.725	7.330
8.	8L>R	3.2	3.05	9.760
9.	9L	3.09	2.725	8.420
10.	10L	3.2	2.725	8.720
11.	11L	2.755	2.725	7.507
12.	12L>R	4.1	3.05	12.505
13.	13L	3.24	2.725	8.829
14.	14L	1.2	2.725	3.270
15.	15L	2.755	2.725	7.507
16.	16L	4.84	2.725	13.189
17.	17L	2.68	2.725	7.303
18.	18L>R	2.525	2.525	6.376
	Total			143.058 *



Capacity, Maximum Panel Height 4.1m

Panel Size (Per Pcs)	3 m ² x 3 m ² = 9 m ²
Panel Qty (43 Pcs Per Bay)	9 m ² x 43 = 387 m ²
Casting Bay (3 Bay)	387 m ² x 3 = 1161 m ²
Working Day (22 Day Per Month)	1161 m ² x 22 = 25,542 m ²
Working Day (12 month Per Year)	25,542 m ² x 12 = 306,504 m ² **

Bukit Botak : Type C (84 m²/904.14 sq ft)

** *	306,504m ² / 143.058 m ² = 2142.515 unit
	2142.515 unit / 12 month = 178.542 unit
	178.542 unit / 22 days = 8.115 unit

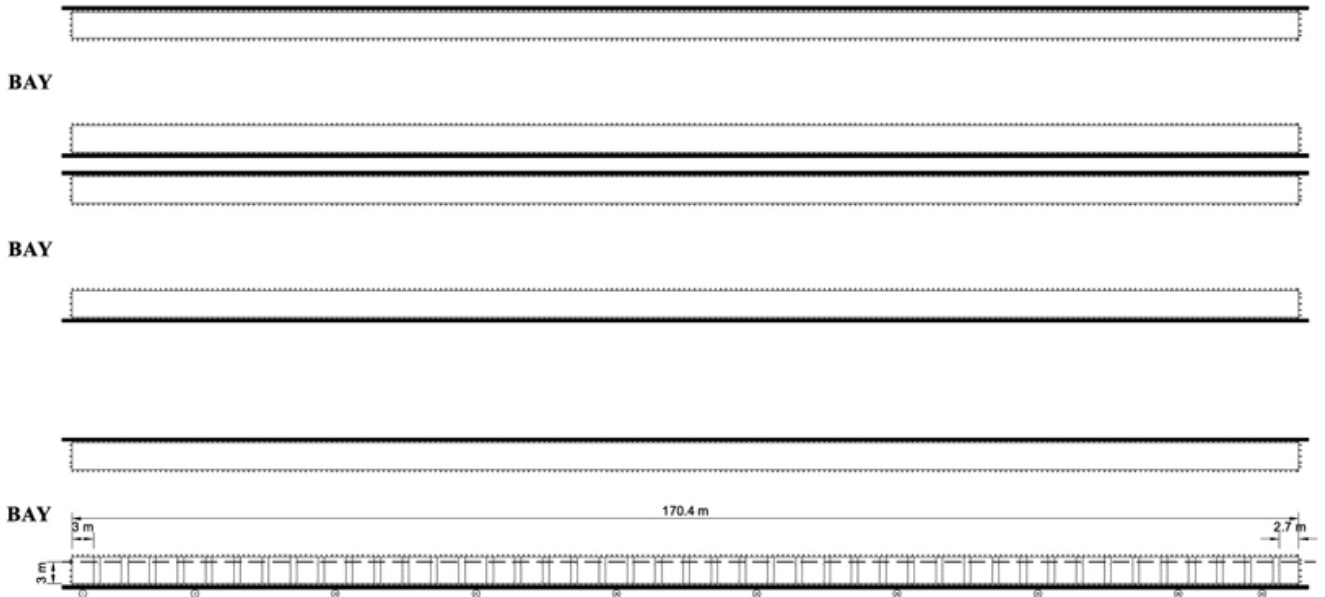
Production of Rasa Factory



Rasa Factory : Casting Area (Bay Yard)



Rasa Factory : Storage Area (Storage Yard)

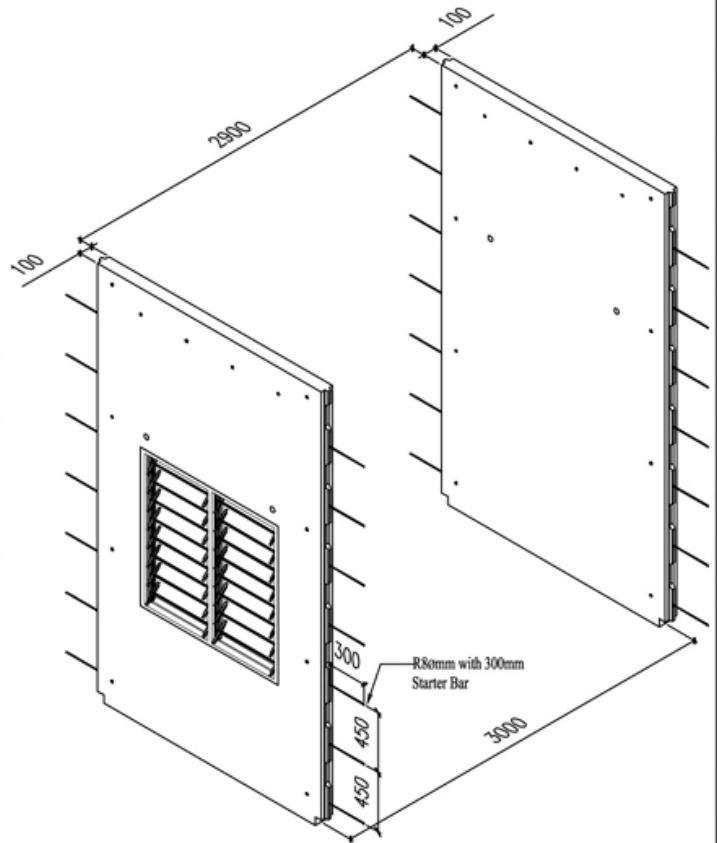


Rasa Factory : Bay Yard

Precast Panel System ~ 100mm thick Wall Panel : For Single Storey



100mm thk. Precast Panel



Using 100mm thk. Precast Panel wall allow for bigger space = 1.67%

Brief Note (Terms & Conditions) :-

1. The comparison are based on information below :-

Conventional : Original
 a) Architectural Drawings } 2D
 b) Structural Drawings }
 c) Contract BQ

Alternative : IBS
 a) Architectural Drawings } 3D
 b) Structural Drawings }
 c) BQ

2. The Comparison Analysis based on material rate (October 2008) including 5% wastage.

3. The Preparation of Design & Drawing for System Precast Panel (convert from 2D to 3D drawing) required 2 month with Original Architectural & Structural Drawings provided.

4. The Construction of beam & floor slab are based on conventional method (System Formwork).

5. The cost per m2 for 100mm thick panel wall as below :-

Supply only = RM 130.00/m2 (wall area including opening)
Supply & Install = RM 140.00/m2 (wall area including opening & Column Joint)

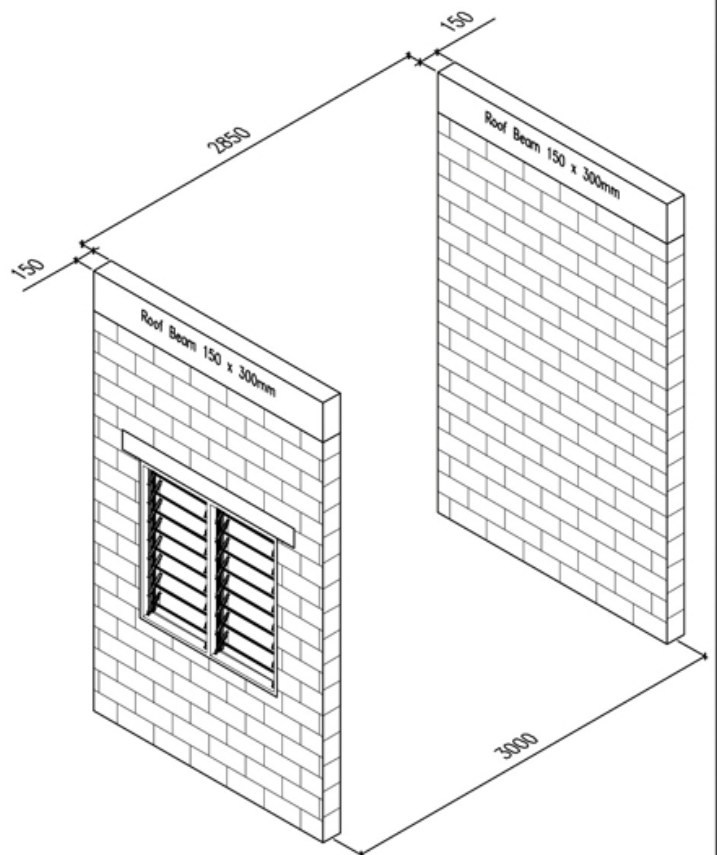
6. The Panel cost per m2 **Excluding** the below items :-

- System moulding
- M&E work (ie. ducting, conduit, pipe)
- Consultant Design Fee
- Transportation of Panel delivery from Factory to Project Site.
- Door and Window frame installation cost.

7. The cost for Transportation of panel delivery from Factory to Project Site is RM 35.00/ tonne. (within Selangor)

8. All design panel reinforcement not more than 60kg per m3.

9. All design panel wall height : maximum 4.1m Height.

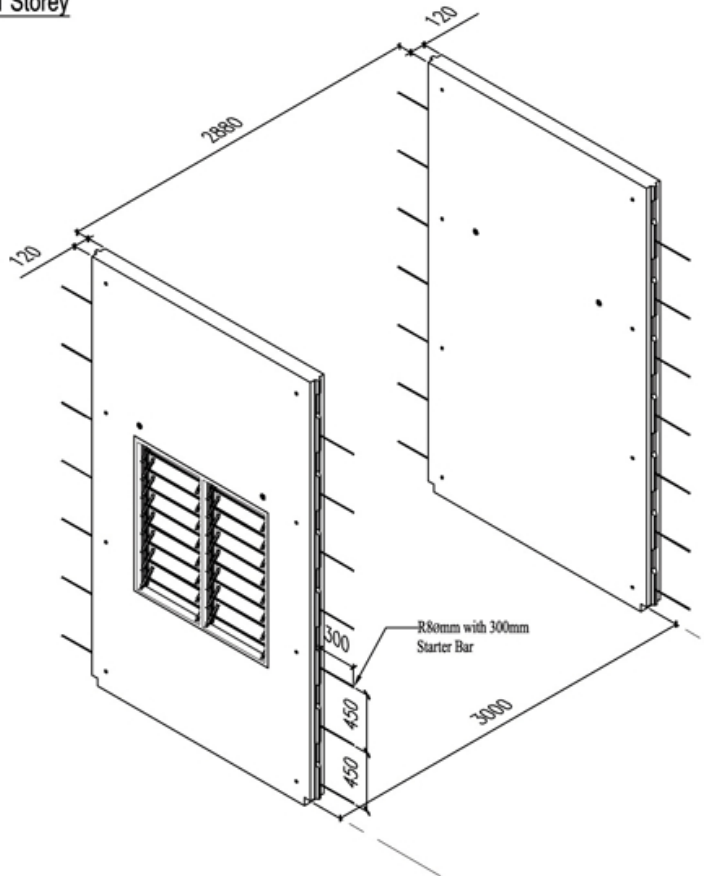


150mm thk. Brickwall

Precast Panel System ~ 120mm thick Wall Panel : For Double Storey & 5 + 1 Storey



120mm thk. Precast Panel



Using 120mm thk. Precast Panel wall allow for bigger space = 1%

Brief Note (Terms & Conditions) :-

1. The comparison are based on information below :-

Conventional : Original
 a) Architectural Drawings } 2D
 b) Structural Drawings }
 c) Contract BQ

Alternative : IBS
 a) Architectural Drawings } 3D
 b) Structural Drawings }
 c) BQ

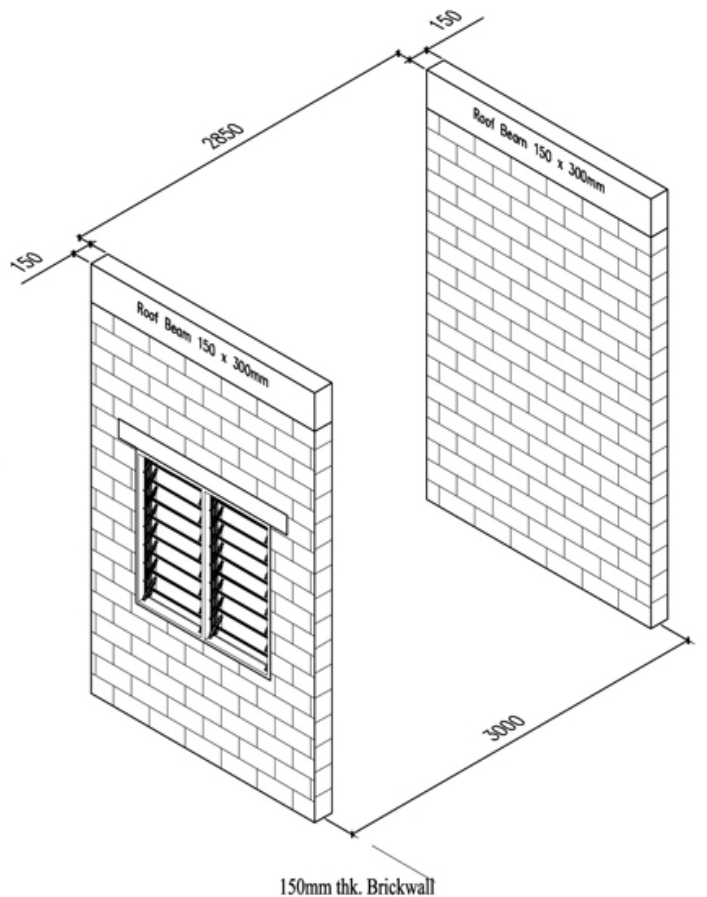
2. The Comparison Analysis based on material rate (October 2008) including 5% wastage.
3. The Preparation of Design & Drawing for System Precast Panel (convert from 2D to 3D drawing) required 2 month with Original Architectural & Structural Drawings provided.
4. The Construction of beam & floor slab are based on conventional method (System Formwork).
5. The cost per m2 for 120mm thick panel wall as below :-

Supply only = RM 180.00/m2 (wall area including opening)
Supply & Install = RM 190.00/m2 (wall area including opening & Column Joint)

6. The Panel cost per m2 **Excluding** the below items :-

- a) System moulding
- b) M&E work (ie. ducting, conduit, pipe)
- c) Consultant Design Fee
- d) Transportation of Panel delivery from Factory to Project Site.
- e) Door and Window frame installation cost.

7. The cost for Transportation of panel delivery from Factory to Project Site is RM 35.00/tonne. (within Selangor)
8. All design panel reinforcement not more than 60kg per m3.
9. All design panel wall height : maximum 4.1m Height.



150mm thk. Brickwall