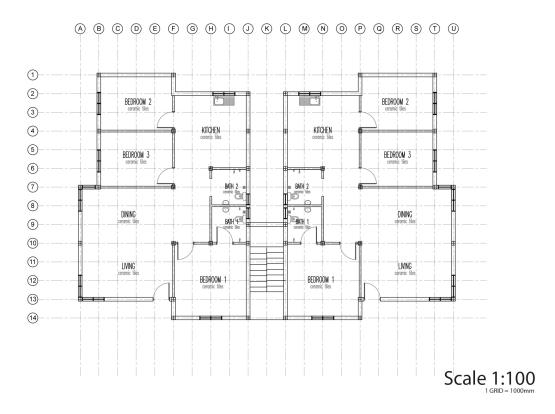
# **IBS Score**



#### 1. Construction Area

l.	Ground Floor Construction Area	=	140m²
II.	First Floor Construction Area	=	140m²
Ш	Second Floor Construction Area	=	140m²

### 2. Structural Systems

I. Columns: Precast hollow rectangular steel columns

II. Beams: Precast steel I-beams & C-beamsIII. Floor Slabs: Prefabricated concrete half slabsIV. Roof Truss: Prefabricated steel roof trusses

### 3. Wall Systems

I. External: Prefabricated cross-laminated timber (CLT)

II. Internal: In-situ drywall

# 4. Other Simplified Construction Solutions

 I. Columns:
 100% complies with MS 1064 Part 10:2001

 II. Beams:
 100% complies with MS 1064 Part 10:2001

 III. Walls:
 61% complies with MS 1064 Part 10:2001

 IV. Slabs:
 100% complies with MS 1064 Part 10:2001

V. Doors & Windows: 0% complies with MS 1065 Part 4 & Part 5:2001

From the information given, the calculation can be tabulated as follows:

ELEMENTS	AREA (m²)/ LENGTH (m)	IBS FACTOR	COVERAGE	IBS SCORE
Part 1:				
Structural				
Systems				
Ground Floor:	140	1.0	140 ÷ 560	$0.25 \times 1 \times 50$
Precast steel			= 0.25	= 12.5
columns and				
steel beams +				
precast concrete				
half floor slabs.				
First Floor:	140		$140 \div 560$	$0.25 \times 1 \times 50$
Precast steel			= 0.25	= 12.5
columns and				
steel beams +				
precast concrete				
half floor slabs.				
Second Floor:	140		$140 \div 560$	$0.25 \times 1 \times 50$
Precast steel			= 0.25	= 12.5
columns and				
steel beams +				
precast concrete				
half floor slabs.				
Roof truss using	140		$140 \div 560$	$0.25 \times 1 \times 50$
prefabricated			= 0.25	= 12.5
steel roof trusses.				
Total Part 1 =	560m²		1.0	50
Part 2: Wall				
Systems				
External wall	88	1.0	88 ÷ 144	$0.61 \times 1 \times 20$
using			=0.61	=12.2
prefabricated				
cross-laminated				
timber (CLT).				
Interior wall	56	1.0	56 ÷ 144	$0.39 \times 1 \times 20$
using in-situ			=0.39	=7.8
drywall.				
Total Part 2	144m		1.0	20

Part 3: Other Simplified Construction Solutions			
100% of column usage follow MS 1064 Part 10:2001		100%	4
100% of beam usage follow MS 1064 Part 10:2001		100%	4
61% of wall usage follow MS 1064 Part 10:2001		61%	2
100% of floor slab usage follow MS 1064 Part 10:2001		100%	4
IDC Coore of	14		
Part 10:2001  IBS Score of	14 84		