



PRODUCT BROCHURE

IBS BUILDING SYSTEM



Your Sustainable Building Solutions Partner

CIDB MALAYSIA CERTIFIED G7 DESIGN AND BUILD CONTRACTOR
ESTABLISHED SINCE 2002
CALL 03 - 5162 1688

IBS System Certified by 	Structural Test Conducted & Witnessed by 	Fire Test Conducted by
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“Quality High Speed Cost Effective”



KSTR IBS BUILDING SYSTEM

consists of load-bearing, none load-bearing wall system, composite floor slab construction that built with a series of high tensile galvanized cold formed C-sections. The total building weight can be designed lighter by half compared to conventional building.

This system minimizes the need for R.C beam, column, timber formwork, brick & plastering works; other advantages include fast paced construction, minimizing site workers, up to 3 hours fire properties, excellent thermal and sound resistance, optimized design for foundation substructure and etc.

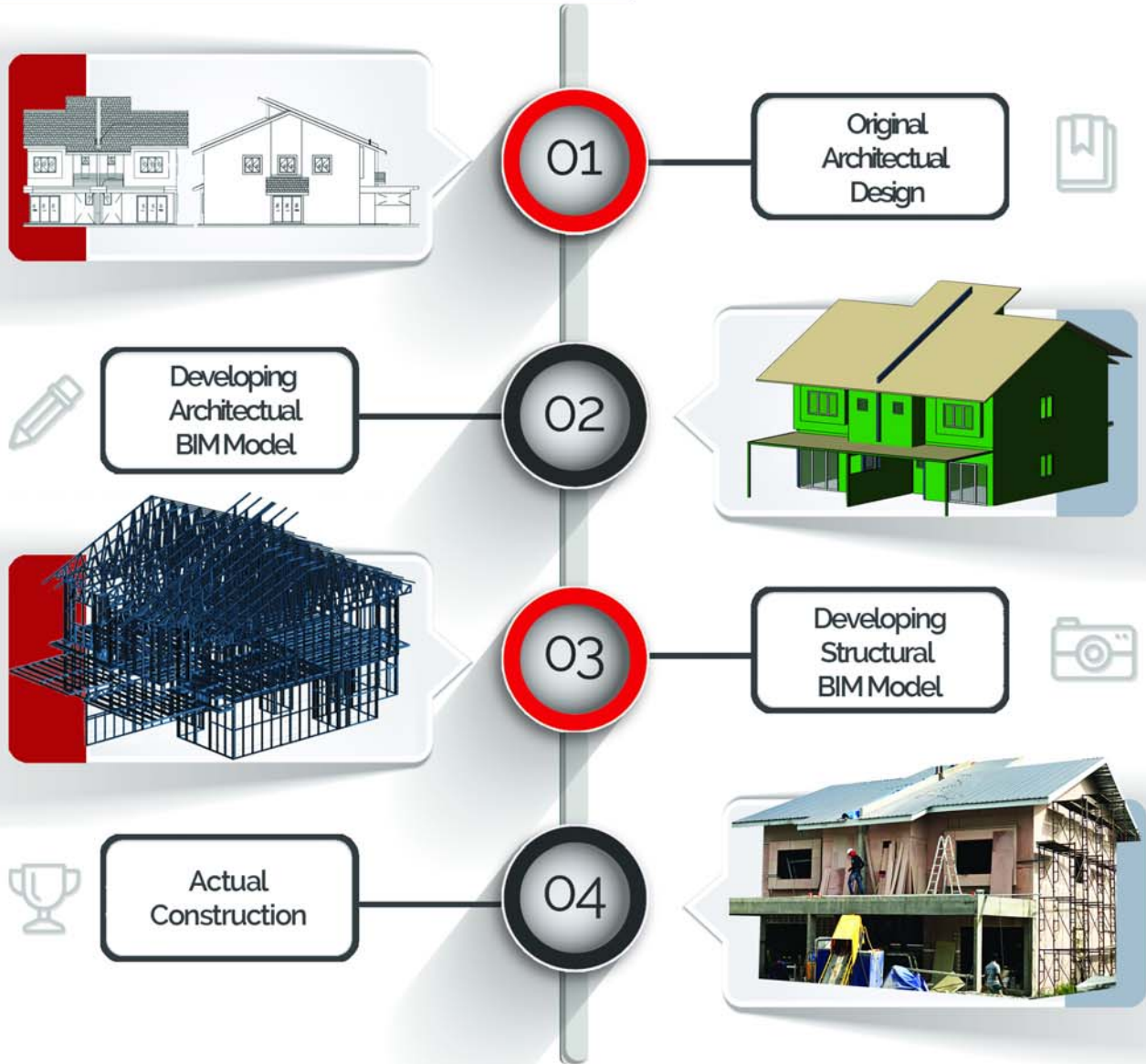
SYSTEM ADVANTAGES

 50% Lighter Than Conventional Construction Method	 2x Faster Than Conventional Construction Method	 Required Lesser Skilled Worker	 Wall Align Vertically & Horizontally
 4% Extra Floor Space Available	 Fire Resistant Building	 Better Sound and Thermal Insulation	 System Tested by USM & SIRIM

for more information

www.k-structures.com

CAD / CAM DESIGN SOFTWARE

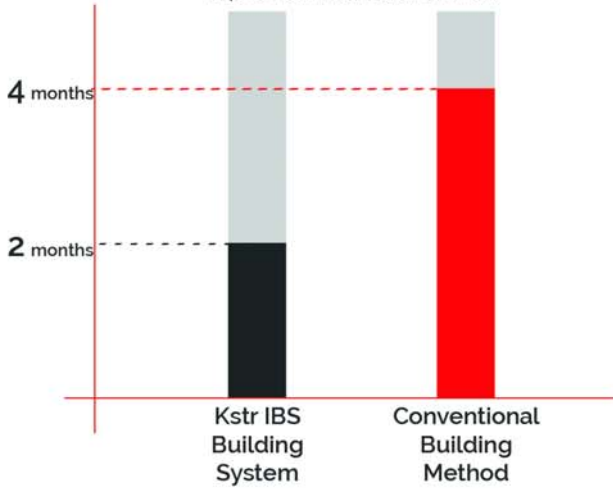


WALL COMPARISON

	KStr Party Wall	KStr Solid Wall	Brick Wall
Thickness	140 mm	101 mm	150 mm
Weight (approx)	224 kg/m ²	101 kg/m ²	360 kg/m ²
Fire rating	2 hours (load-bearing)	3 hours	2 hours
STC	40-44 db	40-44 db	35-39 db
In-filled Material	Foam Concrete	Foam Concrete	Brick and Mortar
K-Values	0.35 w/mk	0.35 w/mk	0.68 w/mk
Bearing Design	Load Bearing	Load Bearing	None-Load Bearing
Finishing	Skim Coat	Compound Jointing	Plaster + Skim Coat

Schedule of Works Comparison

Schedule for 2 units Double Storey Terraced Houses construction works (Up to Roof Installation of Work)



Pre-Cut & Punch Application



Staircase Design



Staircase after casting

Shaft Opening

IBS Scoring Calculation

$$IBS\ Score = 50 \sum \left(\frac{Q_s}{Q_{st}} F_s \right) + 20 \sum \left(\frac{Q_w}{Q_{wt}} F_s \right) + S$$

IBS Score			
System	Category	Floor System	Factor (Fs)
Party Wall	Structural	Kstr Half Slab	0.7
Solid Wall	Structural	Kstr Half Slab	0.7
Dry Wall	Wall	-	1.0
Prefab Steel Truss	Structural	-	1.0

*Calculation in accordance to CIDB Standard Industri Pembinaan CIS 18:2010 | Manual for IBS Content Scoring System (IBS Score) - April 2010

Mock Up Progress Photos



Ground Floor Wall Frame



Precast Half Slab



First Floor Wall Frame



Roof Frame



Completion of Works Up to Roof Level



**COMPLETE
IBS
BUILDING
SOLUTIONS**



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 Better Sound and Thermal Insulation
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K-STRUCTURES™ PRODUCT LIST



For more information, please contact us at:

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