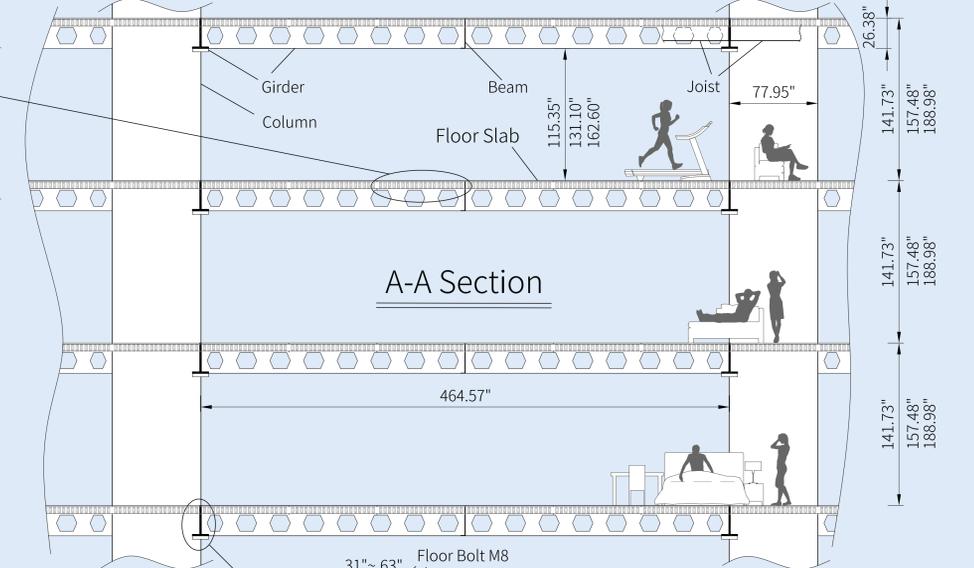
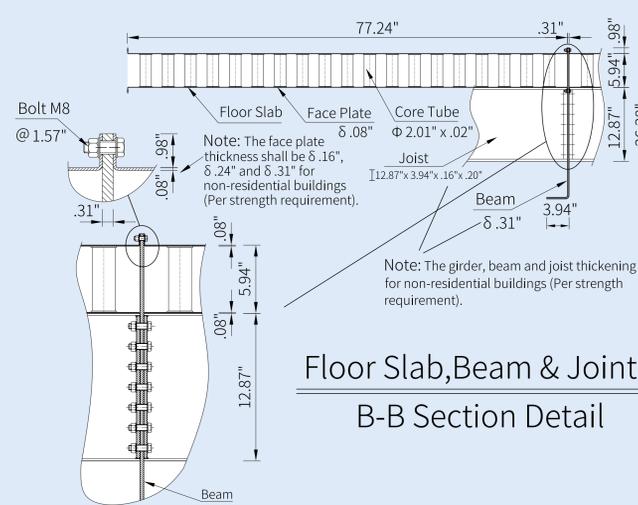
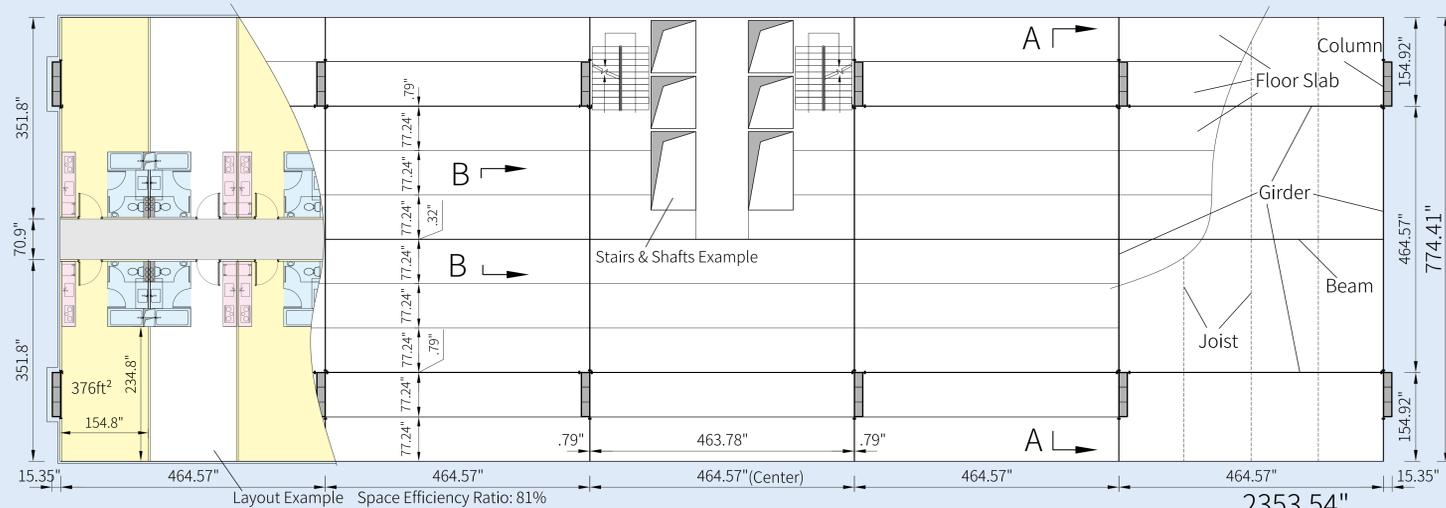
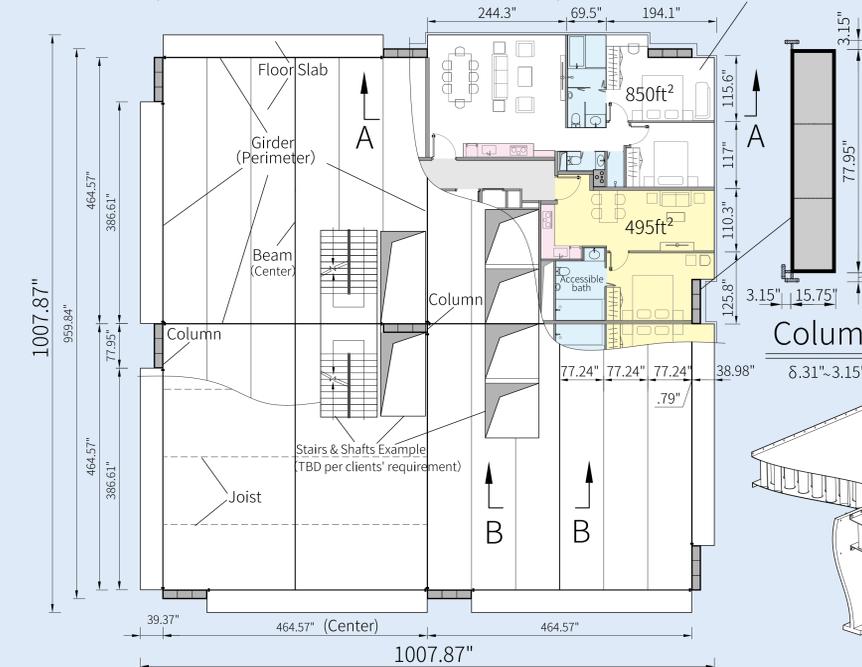


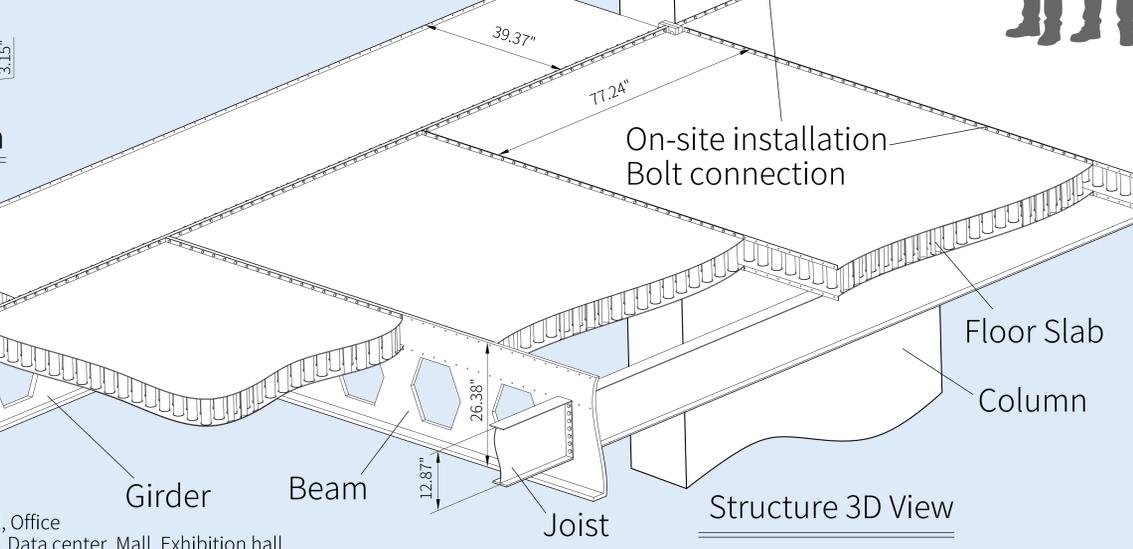
Recommended Residential Layout



K4 6,910ft²/F Recommended 32F 221,134ft²/BLDG



Edison Building Overview
 Edison Building (EB) is a unique open-structured system developed by BROAD with its 17 years of experience in prefabricated construction besides Holon Building. It uses standard modules to create building spaces and load capacities per clients' needs, providing various residential, commercial, and industrial applications. The core technologies of Edison Building lie in "BROAD Steel Core Slab", "the Coupled Column-Beam-Slab System" and 100% factory prefabrication. On-site construction only requires bolt fastening, which can be done by ordinary workers. This has completely cut the Gordian knot of 3-highs (high design costs, high construction costs, and high quality risks) that has plagued the global steel structure industry for over a century. Furthermore, EB offers more striking advantages in cost and construction time for high-rise and super high-rise buildings.



EB Thickness Table

Strength Grade	Column	Girder	Girder flange
1	.31"	.31"	4.72" x .31"
2	.47"	.39"	4.72" x .31"
3	.63"	.39"	6.30" x .47"
4	.79"	.47"	6.30" x .47"
5	.94"	.55"	6.30" x .55"
6	1.10"	.55"	6.30" x .55"
7	1.26"	.63"	8.66" x .63"
8	1.42"	.63"	8.66" x .63"
9	1.57"	.63"	8.66" x .79"
10	1.73"	.63"	8.66" x .79"
11	1.89"	.63"	11.02" x .79"
12	2.05"	.63"	11.02" x .94"
13	2.20"	.63"	14.17" x .94"
14	2.36"	.63"	14.17" x .94"
15	2.52"	.63"	14.17" x 1.10"
16	2.68"	.63"	16.54" x 1.26"
17	2.83"	.63"	16.54" x 1.42"

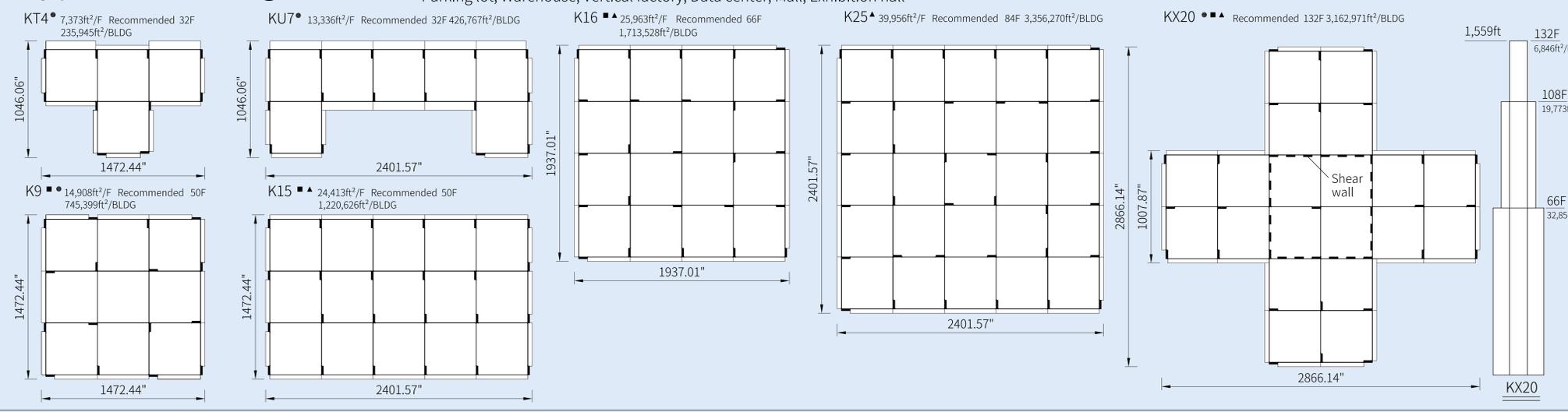
EB Strength Grade Table (RES)

Floors ≤	2	3	4	5	6	7
10F	1	1	-	-	-	-
20F	1	1	1	2	2	-
30F	1	2	2	3	3	3
40F	2	2	3	3	4	5
50F	3	3	4	5	6	7
60F	3	4	5	6	7	8
70F	4	5	6	7	8	9
80F	4	5	6	8	9	10
90F	5	6	7	9	10	11
100F	6	7	8	10	11	12
110F	6	7	8	9	11	13
120F	7	8	9	10	12	14
130F	7	9	10	11	13	15
140F	8	9	11	13	15	17
150F	9	10	12	14	16	18
17	0.6	0.5	0.4	0.35	0.31	0.28

EB Structure Handover Criteria

No.	Item	Specs & Notes
1	Technical Standard	"Steel Structure Building Standard" in project countries
2	Structure System	Steel Frame Structure
3	Structural Material	Carbon Steel Q420
4	Core Material	Floor Slab: BROAD Steel Core Slab (77.24" x 5.94" x 463.78")
5	Floor Height Options	141.73/157.48/188.98" (CLR HT 115.35/131.10/162.60")
6	Column Spans(modulus)	464.57" x 464.57"
7	Recommended Floors	10-120F
8	Structural Corrosion Protection	Cold galvanized coating (factory-applied)
9	Design Service Life	100 years (extendable if routine corrosion protection is applied)
10	Structural Construction Method	Structure components 100% factory-prefab, 40-ft container-mode transportation (2,153-3,230 +/- container); Bolt-connection installation on site(no welding is needed)
11	Design Responsibility	Structure by BROAD. Roof, foundation, interior and MEP by clients
12	Construction Responsibility	Structure prefabricated by BROAD. Structure can be installed by BROAD or clients on-site per the Contract. Other work by clients
13	Structure Construction Duration	Structure components prefabricated by factory: 1 to 6 months (subject to project size & complexity). On-site installation: 2 to 5 floors/day
14	Extended Services	BROAD can also provide design, manufacture & installation of the roof, facade, AC & fresh air system if urgently required by clients
15	Applicable Uses	Residential, Hotel, Office, Mall, Hospital, School, Data center, Parking lot, Warehouse, Vertical factory, etc.

Typical Building Model



EB Project Process (12-step Method)

- Preliminary communication
- Project design, Quotation
- Contract Execution
- Construction drawing design
- Project filing & Approval
- Structure prefab
- Foundation construction
- Foundation inspection
- Module shipping
- Structure on-site installation
- Structure completion & Inspection
- Hand over to clients for interior fit-out

EB Structure
 DNO.: KL-XX-260318
 SPD: [] MFG [] FIT [] R&D [] EXT
 CLS: [] PUB [] INT [] SEC [] CONF
 PB: SRF, PRC
 CHK: HXT, QC
 APV: DAT, 26.03.18

Edison Building Selections
 V1.0 (IMP英制)

NOTE: All dim. are in mm