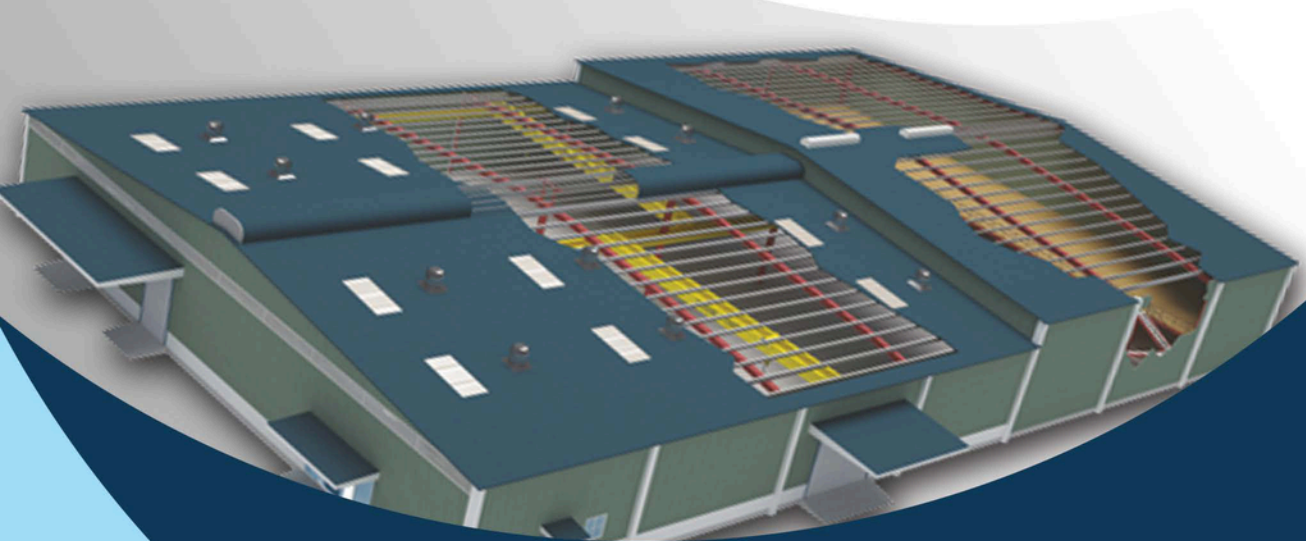


REDISCOVER

COMPANY PROFILE

Rediscover is one of the leading turnkey solution providers for innovative and energy-efficient Pre-Engineered Buildings. The principal activity of the organization comprises:

- Pre Engineered and Prefabricated Buildings
- Light Gauge Steel Framing



PRE-ENGINEERED STEEL BUILDINGS

SERVICES

- Design to delivery of entire project with quality service
- Fast and perfect execution
- One stop solution for entire building requirement

DESIGN

- Concept design
- General Assembly drawing
- shop drawing

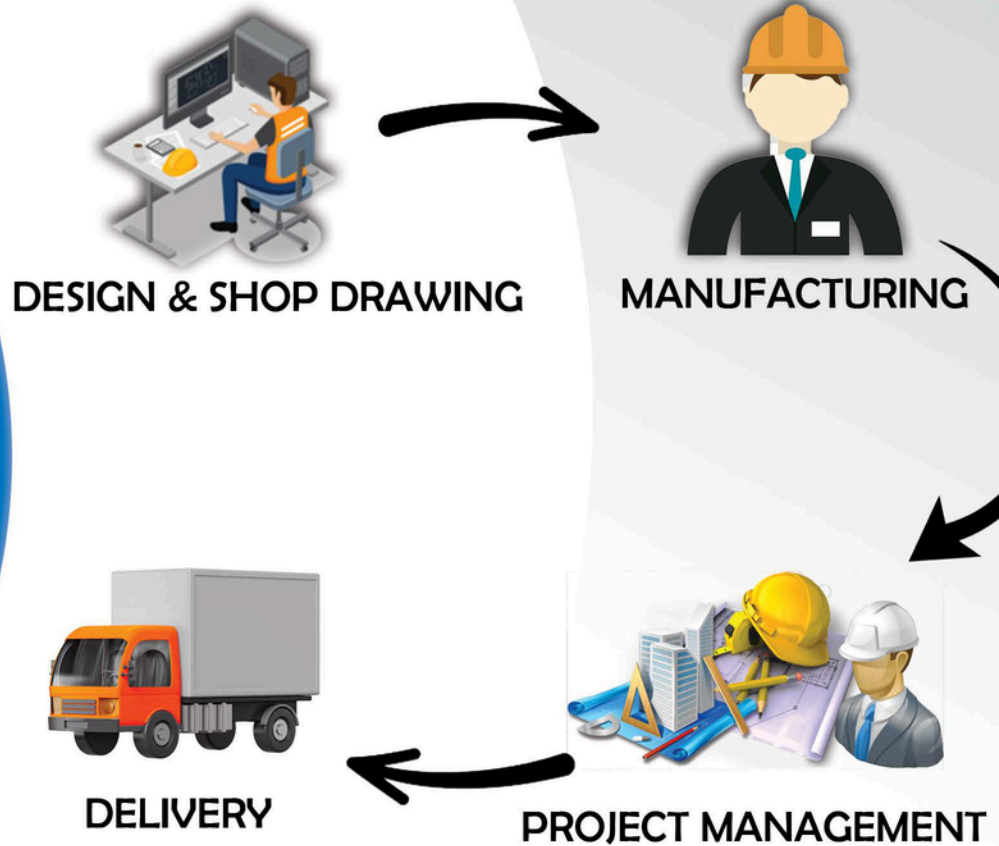
Unleash the potential of your space with PEB

- SPEED

- SAFETY

- STRENGTH

TOTAL END TO END PROJECT SOLUTION



We offer a comprehensive end-to-end solution, from high-quality manufacturing and detailed design & shop drawings to expert project management and timely delivery, ensuring every project meets the highest standards of precision, efficiency, and customer satisfaction.

SECTORS WE CATER

INDUSTRIAL

- Warehouses
- Industrial Sheds
- Factory Buildings
- Cold Storage Buildings
- Clean Rooms
- Poultry Sheds
- Industrial Enclosures



INFRASTRUCTURE

- Airport Terminal Buildings
- Aircraft Hangers
- Metro Stations
- Railway Sheds
- Foot Over Bridges
- Shopping Complex
- Petrol Pump Stations



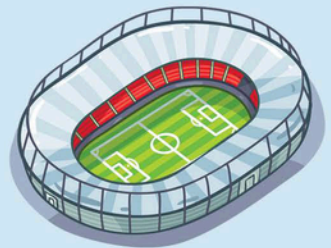
CONSTRUCTION

- Site Office
- Staff Accommodations
- Canteen Buildings
- Toilet Blocks
- Guard Rooms



SPORTS & LEISURE

- Stadiums
- Sports Complex
- Auditoriums
- Gymnasiums



INSTITUTIONAL

- School Buildings
- Hospitals
- Hostel Buildings
- Laboratories
- Exhibition Halls
- Office Buildings



SPECIAL BUILDINGS

- Control Rooms
- Kiosks
- Noise Proof Enclosures
- Multilevel Car Parkings
- GIS Buildings
- Over Head Gantry Structure



SALIENT FEATURES

- 1 Uses high strength steel plates having yield strength of 345 Mpa (i.e grade 50) for fabrication of primary members like columns, rafters, beams etc. Hence structure becomes light and economical.
- 2 Built up sections are made from HR Plates with submerged arc welding process in automatic welding machine in the factory.
3. Uses tapered beam section concept, thus ensuring right amount of structural steel at right place.
- 4 Column free buildings with longer spans.
- 5 Building with mezzanine, cranes with different functional requirement.
- 6 Speedy and planned execution drastically cuts down time and costs of projects.
- 7 Design which provide structurally stable PEBs using universally accepted codes and guidelines.

FEATURES & ADVANTAGES OF PEB BUILDINGS

Explore the unique advantages of pre-engineered buildings



Reduced Construction Time



Lower Cost



Assured Quality



Low Maintenance



Energy Efficient



Flexible Design

PRODUCT RANGE

Universal Beams (UB) & Columns (UC)

Description	Sectional Weight	Total Depth	Flange Width	Thickness of Web	Thickness of Flange	Root radius	Area of section	Moment of Inertia		Sectional Modulus		Radius of gyration	
								I _{xx}	I _{yy}	Z _{xx}	Z _{yy}	r _{xx}	r _{yy}
Beams / Columns	w	H	B	tw	tf	r	A	I _{xx}	I _{yy}	Z _{xx}	Z _{yy}	r _{xx}	r _{yy}
	Kg/m	mm	mm	mm	mm	mm	cm ²	cm ⁴	cm ⁴	cm ³	cm ³	cm	cm
PARALLEL FLANGE BEAMS; UB SERIES													
UB 203 x 133 x 25	25.1	203.2	133.2	5.7	7.8	7.6	31.97	2340	307.6	230.3	46.2	8.56	3.1
UB 203 x 133 x 30	30	206.8	133.9	6.4	9.6	7.6	38.21	2896	384.7	280	57.5	8.71	3.17
UB 254 x 146 x 31	31.1	251.4	146.1	6	8.6	7.6	39.68	4413	447.5	351.1	61.3	10.55	3.36
UB 254 x 146 x 37	37	256	146.4	6.3	10.9	7.6	47.17	5537	570.6	432.6	78	10.83	3.48
UB 254 x 146 x 43	43	259.6	147.3	7.2	12.7	7.6	54.77	6544	677.4	504.1	92	10.93	3.52
UB 305 x 165 x 40	40.3	303.4	165	6	10.2	8.9	51.32	8503	764.4	560.5	92.6	12.87	3.86
UB 305 x 165 x 46	46.1	306.6	165.7	6.7	11.8	8.9	58.75	9899	895.7	645.7	108	12.98	3.9
UB 305 x 165 x 54	54	310.4	166.9	7.9	13.7	8.9	68.77	11700	1063	753.6	127	13.04	3.93
UB 356 x 171 x 45	45	351.4	171.1	7	9.7	10.2	57.33	12070	811.1	686.7	94.81	14.51	3.76
UB 356 x 171 x 51	51	355	171.5	7.4	11.5	10.2	64.91	14140	968.3	796.4	112.9	14.76	3.86
UB 356 x 171 x 57	57	358	172.2	8.1	13	10.2	72.56	16040	1108	896	128.7	14.87	3.91
UB 356 x 171 x 67	67.1	363.4	173.2	9.1	15.7	10.2	85.49	19460	1362	1071	157.3	15.09	3.99
UB 406 x 178 x 54	54.1	402.6	177.7	7.7	10.9	10.2	68.95	18720	1021	930	115	16.48	3.85

Description	Sectional Weight	Total Depth	Flange Width	Thickness of Web	Thickness of Flange	Root radius	Area of section	Moment of Inertia		Sectional Modulus		Radius of gyration	
								I _{xx}	I _{yy}	Z _{xx}	Z _{yy}	r _{xx}	r _{yy}
Beams / Columns	w	H	B	tw	tf	r	A	I _{xx}	I _{yy}	Z _{xx}	Z _{yy}	r _{xx}	r _{yy}
	Kg/m	mm	mm	mm	mm	mm	cm ²	cm ⁴	cm ⁴	cm ³	cm ³	cm	cm
PARALLEL FLANGE BEAMS; UB SERIES													
UB 406 x 178 x 60	60.1	406.4	177.9	7.9	12.8	10.2	76.52	21600	1203	1063	135	16.8	3.97
UB 406 x 178 x 67	67.1	409.4	178.8	8.8	14.3	10.2	85.54	24330	1365	1189	153	16.87	3.99
UB 406 x 178 x 74	74.2	412.8	179.5	9.5	16	10.2	94.51	27310	1545	1323	172	17	4.04
UB 457 x 152 x 52	52.3	449.8	152.4	7.6	10.9	10.2	66.64	21370	645	950	84.64	17.91	3.11
UB 457 x 152 x 60	59.8	454.6	152.9	8.1	13.3	10.2	76.23	25500	794.6	1122	103.9	18.29	3.23
UB 457 x 152 x 67	67.2	458	153.8	9	15	10.2	85.55	28930	912.6	1263	118.7	18.39	3.27
UB 457 x 152 x 74	74.2	462	154.4	9.6	17	10.2	94.48	32670	1047	1414	135.6	18.6	3.33
UB 457 x 152 x 82	82.1	465.8	155.3	10.5	18.9	10.2	104.5	36590	1185	1571	152.5	18.71	3.37
UB 457 x 191 x 67	67.1	453.4	189.9	8.5	12.7	10.2	85.51	29380	1452	1296	152.9	18.54	4.12
UB 457 x 191 x 74	74.3	457	190.4	9	14.5	10.2	94.63	33320	1671	1458	175.5	18.76	4.2
UB 457 x 191 x 82	82	460	191.3	9.9	16	10.2	104.5	37050	1871	1611	195.6	18.83	4.23
UB 457 x 191 x 89	89.3	463.4	191.9	10.5	17.7	10.2	113.8	41020	2089	1770	217.8	18.99	4.29
UB 457 x 191 x 98	98.3	467.2	192.8	11.4	19.6	10.2	125.3	45730	2347	1957	243.5	19.11	4.33

Description	Sectional Weight	Total Depth	Flange Width	Thicknes s of Web	Thicknes s of Flange	Root radius	Area of section	Moment of Inertia		Sectional Modulus		Radius of gyration	
								lxx	lyy	Zxx	Zyy	rxx	ryy
Beams / Columns	w	H	B	tw	tf	r	A	lxx	lyy	Zxx	Zyy	rxx	ryy
	Kg/m	mm	mm	mm	mm	mm	cm2	cm4	cm4	cm3	cm3	cm	cm
PARALLEL FLANGE COLUMNS; UC													
UC 152 x 152 x 23	23	152.4	152.2	5.8	6.8	7.6	29.25	1250	399.9	164	52.55	6.54	3.7
UC 152 x 152 x 30	30	157.6	152.9	6.5	9.4	7.6	38.26	1748	560.5	221.8	73.31	6.76	3.83
UC 152 x 152 x 37	37	161.8	154.4	8	11.5	7.6	47.11	2210	706.2	273.2	91.48	6.85	3.87
UC 203 x 203 x 46	46.1	203.2	203.6	7.2	11	10.2	58.73	4568	1548	449.6	152.1	8.82	5.13
UC 203 x 203 x 52	52	206.2	204.3	7.9	12.5	10.2	66.28	5259	1778	510.1	174	8.91	5.18
UC 203 x 203 x 60	60	209.6	205.8	9.4	14.2	10.2	76.27	6125	2065	584.4	200.6	8.96	5.2
UC 203 x 203 x 71	71	215.8	206.4	9.4	17.3	10.2	90.43	7618	2537	706	245.9	9.18	5.3
UC 203 x 203 x 86	86.1	222.2	209.1	9.4	20.5	10.2	109.6	9449	3127	850.5	299.1	9.28	5.34
UC 254 x 254 x 73	73.1	254.1	254.6	9.4	14.2	12.7	93.1	11420	3908	897.9	307	11.07	6.48
UC 254 x 254 x 89	88.9	260.3	256.3	9.4	17.3	12.7	113.3	14270	4857	1096	379	11.22	6.55
UC 254 x 254 x 107	107.1	266.7	258.8	9.4	20.5	12.7	136.4	17510	5928	1313	458.1	11.33	6.59

Description	Sectional Weight	Total Depth	Flange Width	Thicknes s of Web	Thicknes s of Flange	Root radius	Area of section	Moment of Inertia		Sectional Modulus		Radius of gyration		
	Beams / Columns	w	H	B	tw	tf	r	A	Ixx	Iyy	Zxx	Zyy	rxx	ryy
	Kg/m	mm	mm	mm	mm	mm	mm	cm2	cm4	cm4	cm3	cm3	cm	cm
UC 254 x 254 x 132	132	276.3	261.3	15.3	25.3	12.7	138.1	22530	7531	1631	576.4	11.58	6.69	
UC 254 x 254 x 167	167.1	289.1	265.2	19.2	31.7	12.7	212.9	30000	9870	2075	744.3	11.87	6.81	
UC 305 x 305 x 97	96.9	307.9	305.3	9.9	15.4	15.2	123.4	22250	7308	1445	478.7	13.42	7.69	
UC 305 x 305 x 118	117.9	314.5	307.4	12	18.7	15.2	150.2	27670	9059	1760	589.4	13.57	7.77	
UC 305 x 305 x 137	136.9	320.5	309.2	13.8	21.7	15.2	174.4	32810	10700	2048	692.2	13.72	7.83	
UC 305 x 305 x 158	158.1	327.1	311.2	15.8	25	15.2	203.4	38750	12570	2369	807.8	13.87	7.9	
UC 305 x 305 x 198	198.1	339.9	314.5	19.1	31.4	15.2	252.4	50900	16300	2995	1037	14.2	8.04	
UC 305 x 305 x 240	240	352.5	318.4	23	37.7	15.2	305.8	64200	20310	3643	1276	14.49	8.15	
UC 305 x 305 x 283	282.9	365.3	322.2	26.8	44.1	15.2	360.4	78870	24630	4318	1529	14.79	8.27	
UC 356 x 368 x 129	129	355.6	368.6	10.4	17.5	15.2	164.3	40250	14610	2264	792.8	15.65	9.43	
UC 356 x 368 x 153	152.9	362	370.5	12.3	20.7	15.2	194.8	48590	17550	2684	947.5	15.79	9.49	
UC 356 x 368 x 177	177	368.2	372.6	14.4	23.8	15.2	225.5	57120	20530	310.3	1102	15.91	9.54	
UC 356 x 368 x 202	201.9	374.6	374.7	16.5	27	15.2	257.2	66260	23690	3538	1264	16.05	9.6	

Properties & Tolerances

Chemical Composition		Mechanical Properties		Tolerance Properties	
Mode of deoxidation	Semi-killed / Killed	Tensile Strength MPa (Min)	540	Web depth tolerance (mm)	+/- 3
Carbon % (Max)	0.2	Elongation % at LO=5.65, min	20	Flange width tolerance (mm)	+/- 2
Silicon % (Max)	0.45	Internal Bend diameter, min	2t	Weight per meter tolerance	+/- 3
Phosphorus % (Max)	0.045	Yield Strength MPa (Min)	380		
Cerium % (Max)	0.5				




Project Executed



Contact:

DJ JOSHI

 0456 789 777

 www.rediscover.com.au

 New South Wales , Australia

