

SOLID FOUNDATION
FOR A BRIGHTER FUTURE

Company Profile



www.rmisteel.lk

SOLID FOUNDATION FOR A BRIGHTER FUTURE

INTRODUCTION

At RMI, we prioritize our customers, positioning them at the core of everything we do to drive future growth. We see ourselves as partners in their success.

We offer more than just steel structures; we provide comprehensive building solutions. We understand the complex challenges our customers face during the conceptualization, planning, and execution of their building projects. Our experienced and dedicated team simplifies these processes, offering innovative and proactive engineering solutions that add value from start to finish.

Our goal for every project is consistent: to meet and exceed our customers' expectations.

From customizing engineering designs and creating precise drawings to efficient project planning, manufacturing quality systems, and ensuring safe and quick installations, we handle every aspect with the utmost care.

At RMI, your satisfaction is our mission. We truly put you at the heart of everything we do.





VISION

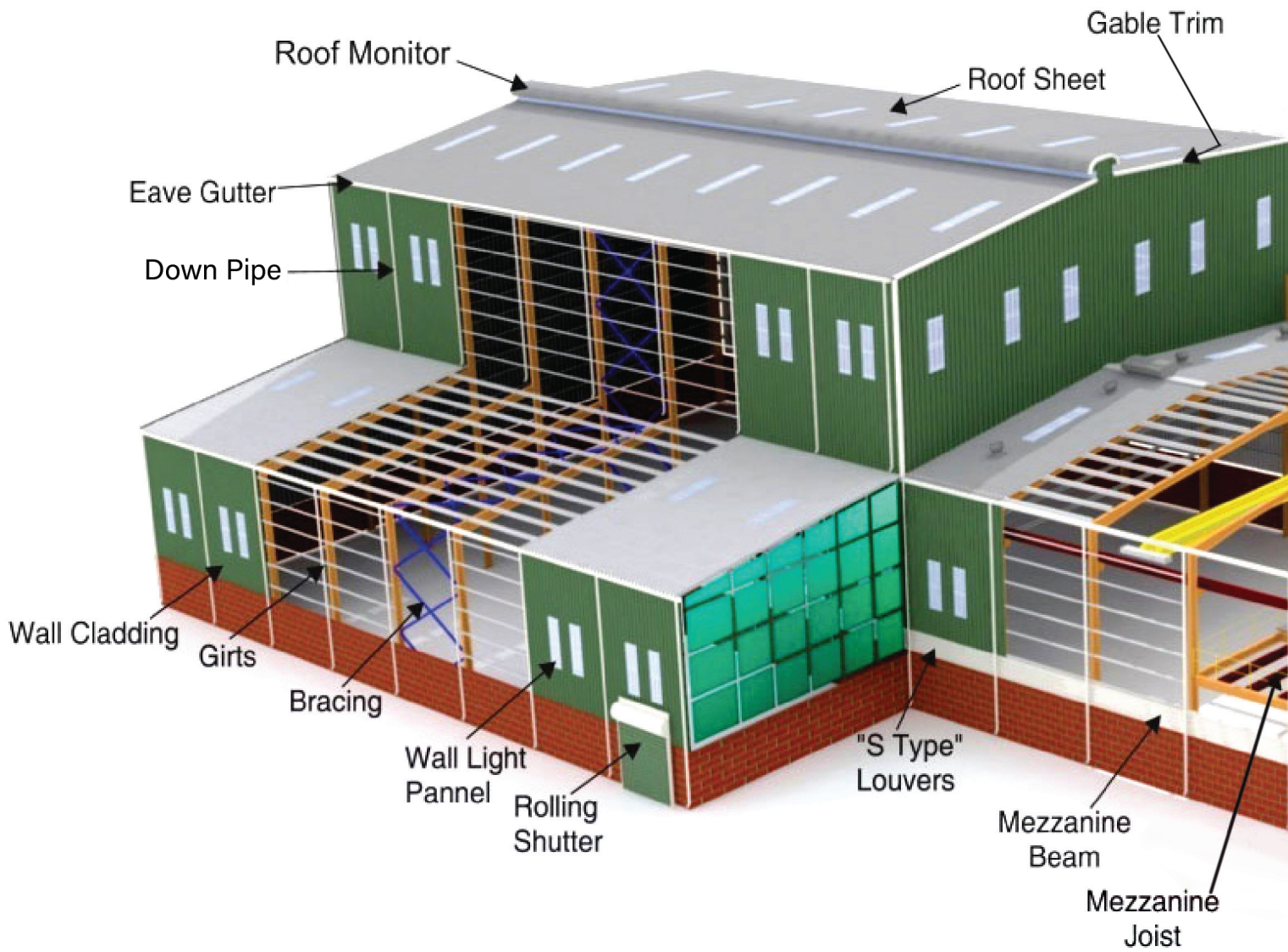
To be a leader in our respective fields by providing premium products and services to our clients, enhancing their business success, and fostering ongoing partnerships.

MISSION

To achieve excellence by understanding our clients' requirements and delivering quality, durable products and solutions.

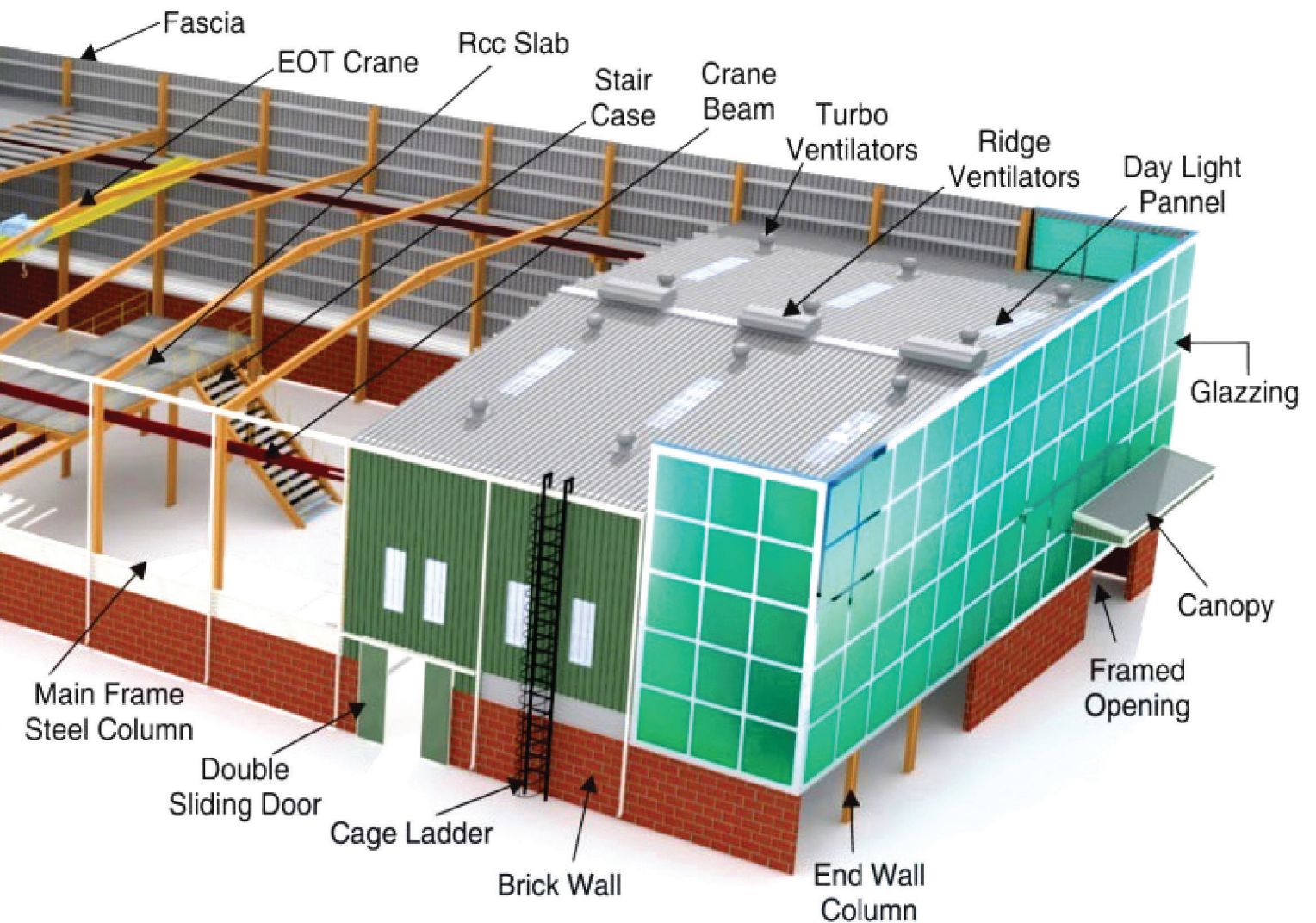
VALUE STATEMENT

To be the premier environmentally-friendly pre-engineered steel exporter in Southeast Asia, ensuring global customer satisfaction and maintaining a sustainable, fair trade approach with our primary suppliers, producers, and employees.

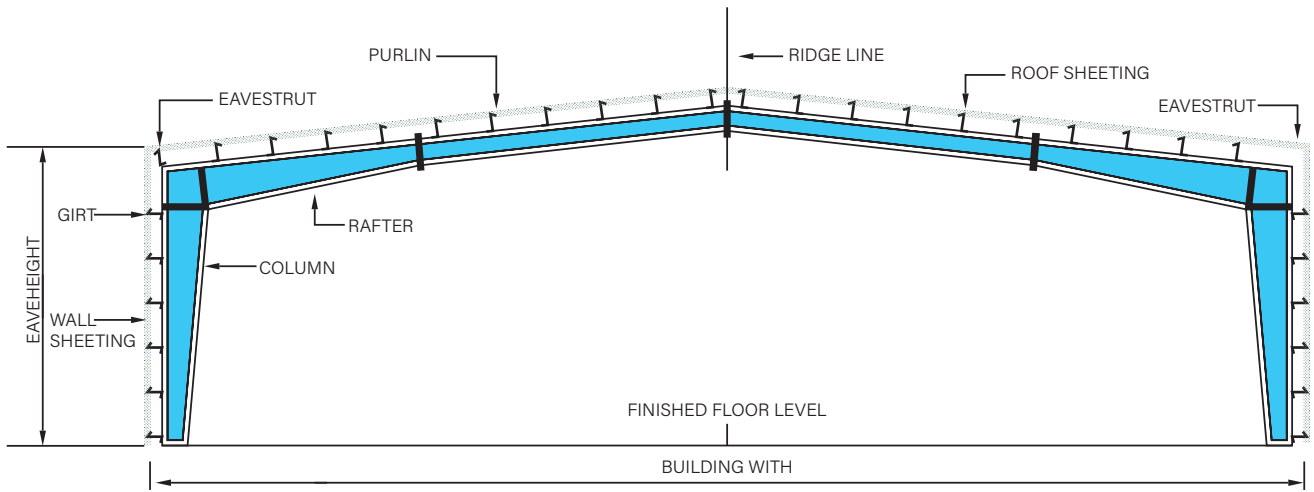


THE PRE-ENGINEERED STEEL BUILDING SYSTEM

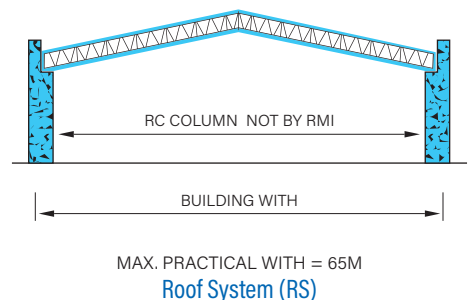
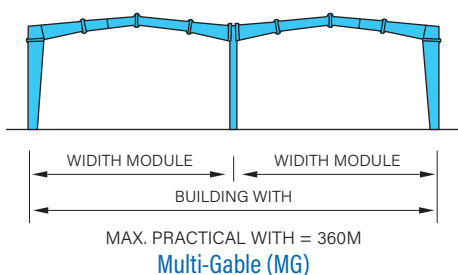
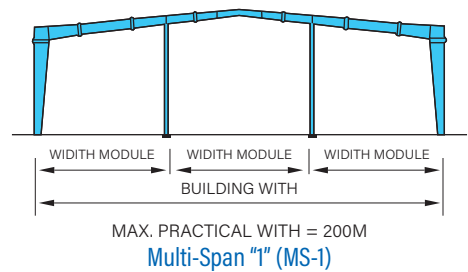
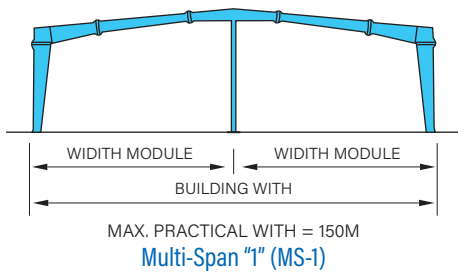
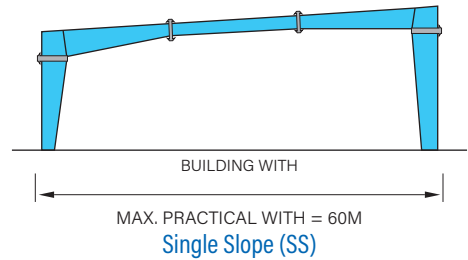
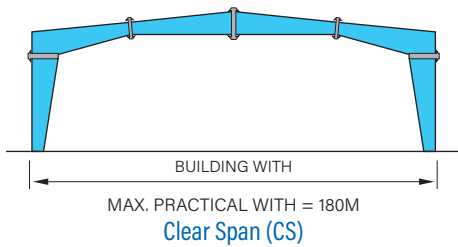
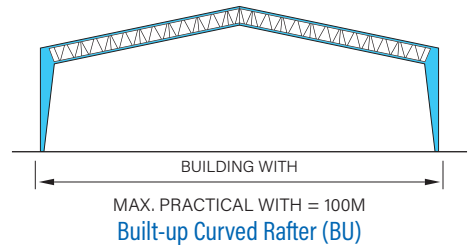
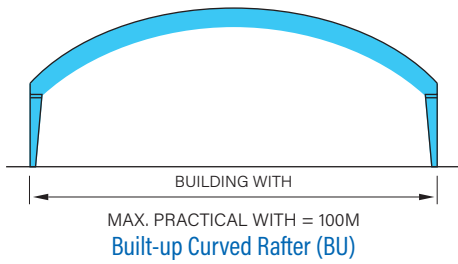
Customized steel buildings are designed to meet specific architectural and engineering requirements. They achieve maximum economy by using built-up members with tapered web depths, which vary according to local loading effects, thus saving material in low-stress areas.



Standard Framing Systems

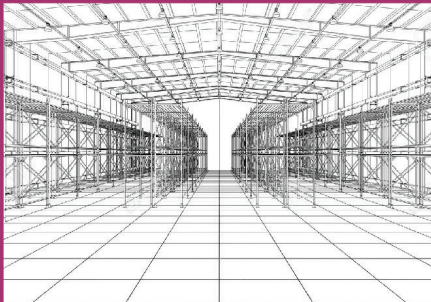


Typical Cross Section



BUILDING SYSTEMS

Project Flow



Conceptual Drawing (Quotation)



Proposal Drawing Budgetary Cost



Contract Awarded



Erection



Delivery



Fabrication

Stage	What RMI expect from you	What RMI release
Quotation	<ul style="list-style-type: none"> ▪ Project General Information ▪ Conceptual Drawings ▪ Advices on RMI solution 	<ul style="list-style-type: none"> ▪ Proposal Drawings ▪ Budgetary Cost ▪ Revised Proposal as refer to your request
Fabrication	<ul style="list-style-type: none"> ▪ Inspection 	<ul style="list-style-type: none"> ▪ Shop detail drawings ▪ Fabrication
Delivery	<ul style="list-style-type: none"> ▪ Follow-up with forwarder 	<ul style="list-style-type: none"> ▪ FCL 40' Containers by Sea Freight
Installation	<ul style="list-style-type: none"> ▪ On-Site Support 	<ul style="list-style-type: none"> ▪ Supervision Service Free of charge) ▪ Erection Service (Upon country)

Stage 1: Quotation

- > We apply the latest international codes and standards unless local conditions require otherwise.
- > For complicated structures and buildings, we provide 3D proposed drawings to give you a better visual understanding.
- > We offer a detailed breakdown table and clarification of all unit costs for easier verification and consideration.
- > Our goal is to deliver the best custom-designed solution that meets your investment, time, aesthetics, operation, and maintenance needs.



Stage 2: Fabrication

- > Our detailing process utilizes sophisticated software such as Staad.Pro and Tekla, ensuring meticulous attention to every single component before fabrication.
- > We use high-quality raw materials that meet ASTM standards, sourced directly from reputable suppliers.
- > Our state-of-the-art manufacturing facilities in Sri Lanka and China enable RMI Steel to achieve high production efficiency and ensure top-quality finished products.
- > We follow stringent Quality Control procedures to ensure the utmost consistency in the quality of "Made by RMI Steel" products.
- > Weekly manufacturing reports are sent for your follow-up.
- > A Project Manager will be assigned to oversee all technical and economic matters associated with the project from inception to completion, and will be available 24/7 for any concerns.



Stage 3: Delivery

- > We ship our steel buildings and structures worldwide in 40-foot containers, using special loading skids that enable fast and easy unloading at the job site.
- > All accessories are well-protected in wooden boxes and plastic covers.

Stage 4: Installation

- > RMI provides, free of charge, a Senior Engineer(s) to supervise the job site, regardless of its location.

Directing the contractor on the best way to unload materials as a standard procedure.

Jointly checking the received materials against the Packing List.

Supervising and providing technical assistance during all installation stages.

Acting as the RMI representative and promptly responding to customer requirements on-site.

Reporting and resolving claims, material shortages, damages, mismatches, etc., with assistance from the Head Office.

- > Our goal is to ensure customer satisfaction from the date of placing the order until the building erection is completed.

Why RMI steel?

The willingness of RMI Steel's professionals to listen, understand, and promptly and reasonably solve customers' problems has made us an unparalleled steel building solutions provider in the industry.

Products and Applications

Design • Fabricate • Supply • Install



Pre-Engineered Steel Buildings

Customized steel buildings are tailor-made to meet users' architectural and engineering requirements. Maximum efficiency is achieved using built-up members that are tapered according to calculated stress limits. This optimizes material use and eliminates the restrictions and wastage associated with standard stocked I and H beams, often reducing design tonnage by up to 30%. Pre-engineered buildings are most suitable and economical for low-rise buildings with spans up to 60 meters and eave heights up to 30 meters.



Structural Steel



RMI Structural Steel Fabrication

RMI offers a diversified product line that fabricates structural steel and plate works for various heavy industrial and commercial applications. Our structural steel fabrication is controlled by state-of-the-art Computer Numerical Control (CNC) equipment and utilizes the latest engineering software for detailing and connection design.

Applications

Factories _____
 Steel Mills _____
 Fertilizer Plants _____
 Warehouses _____
 Aircraft Hangars _____

Applications

Power Plant _____
 Cement Plant _____
 Petrol Chemical Plants _____
 Equipment Racks _____
 High-Rise Building _____
 Commercial Building _____

Quality in Production

Not only have we selected the best and latest high-tech machines to ensure superb quality for our customers, but we also maintain a quality-conscious workforce and implement quality control operations at every stage.



"we are committed to exerting every effort to ensure the highest quality in everything we deliver."

Our Products

With a vast product portfolio to support your entire project, we offer a range of products readily available for you. Browse our selection to find cost-effective and exceptional quality solutions for your projects.



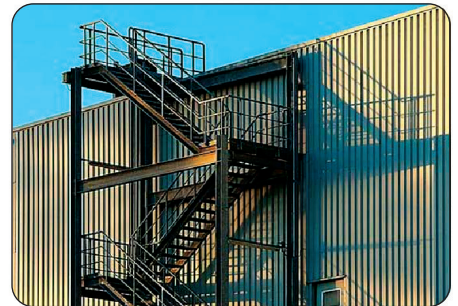
Down Pipe



Cage Ladder



Roof Platform



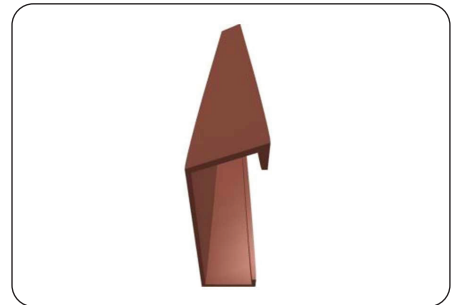
Handrails and Stair Cases



Lean on Buildings



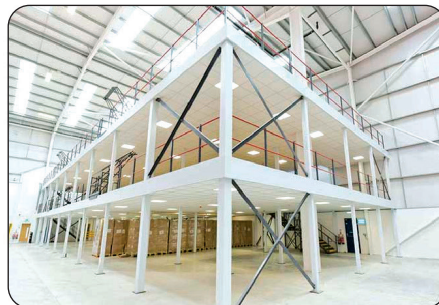
Parapet Fascia



Eave Strut



Cable Bracing



Mezzanine

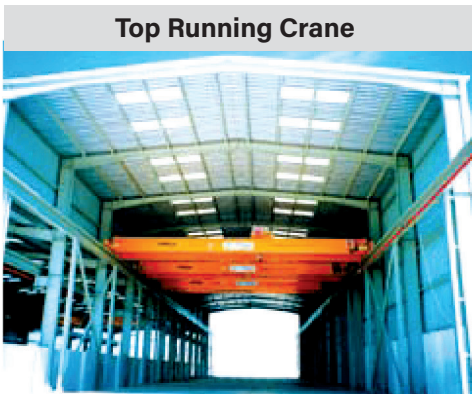


Roof & Wall Panels

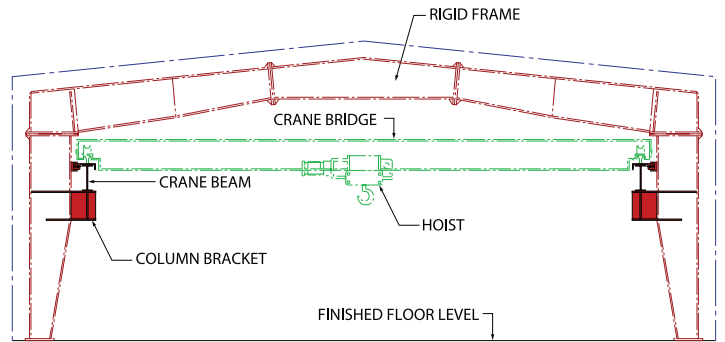
Crane Systems

For buildings that require a crane system, RMI Steel supplies the column or rafter brackets and the crane runway beams for top-running systems. For mono-rail and underhung crane systems, the runway beam is provided by the crane supplier.

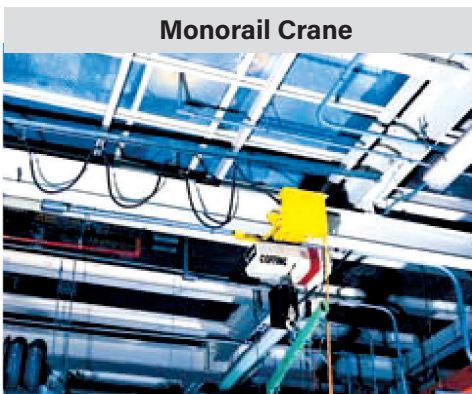
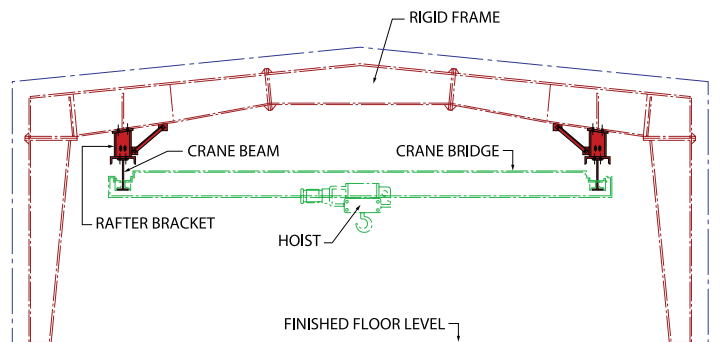
To ensure accurate design and estimation of all crane-supporting structures, customers need to provide complete details of the crane system, including data and the supplier's name.



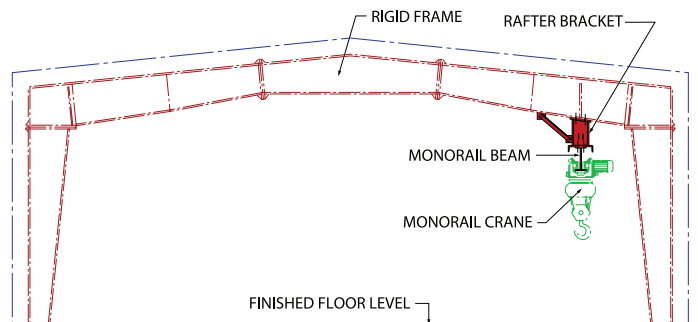
Top Running Crane



Underhung Crane



Monorail Crane



Roof

Our extensive collection of roofs includes roofing solutions crafted from high-quality raw materials and advanced technology. Explore our range to discover roofing options designed to deliver both durability and aesthetic appeal.



Clear Span



Curve Roofs



Roof System



Multi Span



Multi Gable



Single Slope

ACCESSORIES

Steel buildings are highly popular due to their customization capabilities. Frame accessories enhance the flexibility of design and can be used for a wide range of structural buildings.

FRAME ACCESSORIES



Insulation System



High Strength Bolts



Anchor Bolts

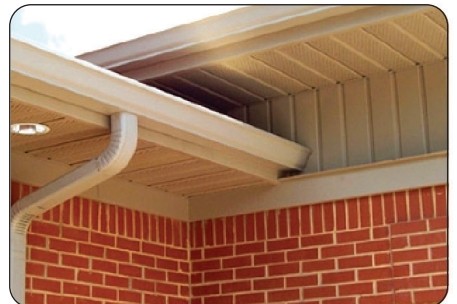
PANEL SYSTEM ACCESSORIES



Interior Wall & Roof Liners



Partition Panels

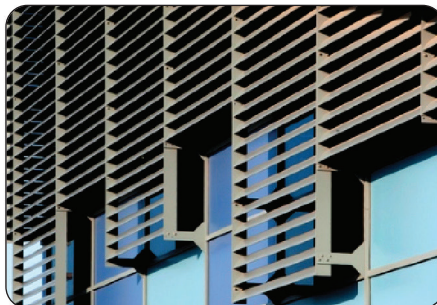


Fascia & Soffit Panels

BUILDING ACCESSORIES



Doors & Window



Louvers



Ridge Ventilators

RMI PRODUCT SPECIFICATIONS

Structural steel is a crucial component of the construction industry, where quality, strength, and economical design rely on high-standard raw materials. We are committed to developing top-quality, high-standard products and are pleased to introduce our new range, including H beams, I

beams, L angles, MS plates, and C channels.

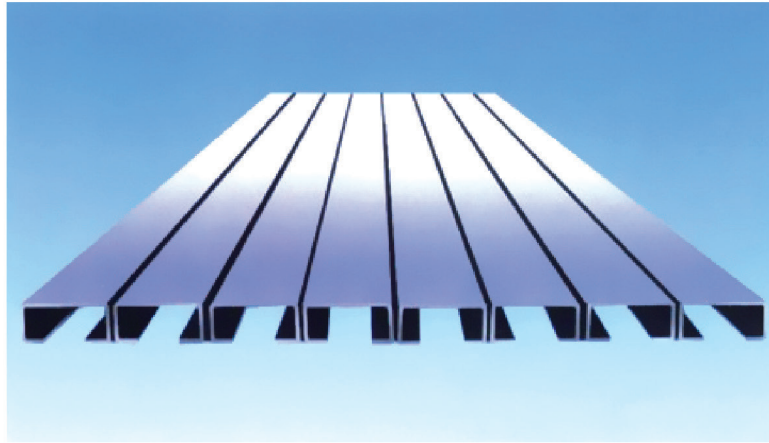
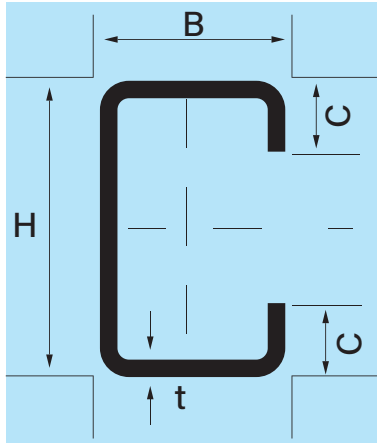
We warmly invite customers from around the world to experience our products and services and witness our commitment to quality.

Hot Rolled Steel H-Beam/I Beam

	Unit Weight	Section Depth	Flange Width	Thickness		Corner Radius	Section Area
	M kg/m	D mm	B mm	t mm	T mm	r mm	A cm ²
100 x 50	9.30	100	50	5	7	8	11.85
100 x 100	16.90	100	100	6	8	8	21.60
125 x 60	13.20	125	60	6	8	9	16.84
125 x 125	23.60	125	125	6.5	9	8	30.00
150 x 75	14.00	150	75	5	7	8	17.85
150 x 100	21.10	148	100	6	9	11	26.84
150 x 150	31.50	150	150	7	10	11	40.14
175 x 90	18.10	175	90	5	8	9	23.04
175 x 125	23.30	169	125	5.5	8	12	29.65
175 x 175	40.20	175	175	7.5	11	12	51.21
200 x 100	18.20	198	99	4.5	7	11	23.18
	21.30	200	100	5.5	8	11	27.16
200 x 150	30.60	194	150	6	9	13	39.01
200 x 200	49.90	200	200	8	12	13	63.53
	56.20	200	204	12	12	13	71.53
	65.70	208	202	10	16	13	83.69
250 x 125	25.70	248	124	5	8	12	32.68
	29.60	250	125	6	9	128	37.66
250 x 175	44.10	244	175	7	11	16	56.24
250 x 250	64.40	244	252	11	11	16	82.06
	66.50	248	249	8	13	16	84.70
	72.40	250	250	9	14	16	92.18
	82.20	250	255	14	14	16	104.70
300 x 150	32.00	298	149	5.5	8	13	40.80
	36.70	300	150	6.5	9	13	46.78
300 x 200	56.80	294	200	8	12	18	72.38
	65.40	298	201	9	14	18	83.36
300 x 300	84.50	294	302	12	12	18	107.70
	87.00	298	299	9	14	18	110.80
	94.00	300	300	10	15	18	119.80
	106.00	304	301	11	17	18	134.80
	130.00	310	305	15	20	18	165.00
350 x 175	41.40	346	174	6	9	14	52.68
	49.40	350	175	7	11	13	62.90
	57.80	354	176	8	13	14	73.70
350 x 250	69.20	336	249	8	12	20	88.15
	79.70	340	250	9	14	20	102.00
350 x 350	106.00	338	351	13	13	20	135.30
	115.00	344	348	10	16	20	148.00
	131.00	344	354	16	16	20	166.60
	137.00	350	350	12	19	20	173.90
	156.00	350	357	19	19	20	198.40
	159.00	356	352	14	22	20	202.00

	Unit Weight	Section Depth	Flange Width	Thickness		Corner Radius	Section Area
	M kg/m	D mm	B mm	t mm	T mm	r mm	A cm ²
400 x 200	56.60	396	199	7	11	16	72.16
	66.00	400	200	8	13	16	84.12
	75.50	404	201	9	15	16	96.20
400 x 300	94.30	386	299	9	14	22	120.10
	107.00	390	300	10	16	22	136.00
400 x 400	140.00	388	402	15	15	22	178.50
	147.00	394	398	11	18	22	186.80
	168.00	394	405	18	18	22	215.40
	172.00	400	400	13	21	22	218.70
	197.00	400	408	21	21	22	250.70
	200.00	406	403	16	24	22	254.90
	232.00	414	405	18	28	22	295.50
	283.00	428	407	20	35	22	360.70
	415.00	458	417	30	50	22	528.60
	605.00	498	432	45	70	22	770.10
450 x 200	66.20	446	199	8	12	18	84.30
	76.00	450	200	9	14	18	96.76
	88.90	456	201	10	17	18	113.00
450 x 300	106.00	434	299	10	15	24	135.00
	124.00	440	300	11	18	24	157.40
500 x 200	79.50	496	199	9	14	20	101.30
	89.60	500	200	10	16	20	114.20
	103.00	506	201	11	19	20	131.30
500 x 300	114.00	482	300	11	15	26	145.50
	128.00	488	300	11	18	26	163.50
600 x 200	94.60	596	199	10	15	22	120.50
	106.00	600	200	11	17	22	134.40
	120.00	606	201	12	20	22	152.50
	134.00	612	202	13	23	22	171.00
600 x 300	137.00	582	300	12	17	28	211.50
	151.00	588	300	12	20	28	235.50
	175.00	594	302	14	23	28	273.60
700 x 300	166.00	692	300	13	20	28	211.50
	185.00	700	300	13	24	28	235.50
	215.00	708	302	14	28	28	273.60
800 x 300	191.00	792	300	14	22	28	243.40
	210.00	800	300	14	26	28	267.40
	241.00	808	302	16	30	28	307.60
900 x 300	213.00	890	299	15	23	28	270.90
	243.00	900	300	16	28	28	309.80
	286.00	912	302	18	34	28	364.00

LIP CHANEL SPECIFICATIONS



	H	B	C	t	(kg/m)	(cm ²)	(cm ⁴)		(cm)		(cm ³)	
					M	F	J _x	J _y	L _x	L _y	W _x	W _y
C80 x 2.5	80	40	15	2.5	3.729	4.260	41.379	9.236	3.117	1.479	10.349	3.657
C80 x 3.0	80	40	15	3.0	4.475	4.995	47.579	10.342	3.086	1.452	11.894	4.125
C80 x 2.5	80	50	25	2.5	4.514	5.260	50.950	20.178	3.112	1.958	12.737	7.108
C80 x 3.0	80	50	25	3.0	5.417	6.195	58.927	23.175	3.084	1.934	14.731	8.156
C100 x 2.5	100	50	20	2.5	4.710	5.510	84.932	19.889	3.925	1.699	16.586	6.210
C100 x 3.0	100	50	20	3.0	5.652	6.495	98.560	22.802	3.895	1.873	19.712	9.235
C100 x 3.0	100	60	20	3.0	6.123	7.095	112.678	35.480	3.985	2.236	22.535	9.580
C120 x 3.0	120	50	20	3.0	6.123	7.095	152.109	24.391	4.630	1.854	25.351	7.402
C120 x 3.0	120	60	20	3.0	6.594	7.695	172.647	37.987	4.736	2.221	28.774	9.768
C140 x 3.0	140	50	20	3.0	6.594	7.695	219.848	25.733	5.345	1.828	31.406	7.532
C150 x 3.0	150	70	20	3.0	7.772	9.840	351.227	70.223	5.974	2.671	46.830	28.327
C160 x 3.0	160	60	20	3.0	7.536	8.895	339.955	41.989	6.182	2.172	42.494	10.109
C160 x 3.0	160	70	20	3.0	8.007	9.495	376.930	61.266	6.000	2.540	47.116	12.843
C180 x 3.0	180	60	20	3.0	8.007	9.493	449.695	43.611	6.881	2.143	49.966	10.235
C180 x 3.0	180	70	20	3.0	8.478	10.095	496.693	63.712	7.014	2.512	55.188	13.019
C200 x 3.0	200	60	20	3.0	8.478	10.095	578.425	45.041	7.569	2.112	57.842	10.342
C200 x 3.0	200	70	20	3.0	8.949	10.695	636.643	65.883	7.715	2.481	63.644	13.167
C250 x 3.0	250	50	26	3.0	9.467	11.070	989.871	37.706	9.198	1.795	79.190	28.846
C250 x 3.0	250	70	20	2.5	8.439	10.750	1005.00	66.300	9.780	2.500	80.400	13.300
C250 x 3.0	250	70	20	3.0	10.127	12.900	1206.00	79.500	9.780	2.510	96.500	16.200

LAPPED Z PURLIN SPANNING TABLE (1)

Valid for Wind Zones 3 only

PURLIN SIZE	THICKNESS	SPAN IN M													
		4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5
No. of 12 mm dia. Anti Sag Rods		NR	NR	NR	1	1	1	2	2	2	2	2	2	3	3
Z 100	1.8														
	2.0														
	2.3										UNSAFE				
Z 150	1.8														
	2.0														
	2.3														
Z 200	1.8			SAFE											
	2.0														
	2.3														
Z 250	1.8														
	2.0														
	2.3														

MAX. PURLIN SPACING = 1500 MM

NR - NOT REQUIRED

LAP = 15% x PURLIN SPAN

C PURLIN SPANNING TABLE (2)

Valid for Wind Zone 3 only

PURLIN SIZE	THICKNESS	SPAN IN M													
		4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5
No. of 12 mm dia. Anti Sag Rods		NR	NR	NR	1	1	1	2	2	2	2	2	2		
C 100	1.8														
	2.0														
	2.3										UNSAFE				
C 150	1.8														
	2.0														
	2.3														
C 200	1.8			SAFE											
	2.0														
	2.3														
C 250	1.8														
	2.0														
	2.3														

NR - NOT REQUIRED

STEEL DECKING SPAN CHART

Formwork Span Tables:

Decking Un-propped Single Span Formwork Table (3)

Construction imposed load 1.5kN/m²

	SPAN IN MM							
SLAB THICKNESS MM	100	110	120	130	140	150	160	175
DECKING THICKNESS MM								
0.75	2750	2550	2350	2150	1950	1750		
1.0		2950	2750	2550	2350	2150	1950	
1.2			3150	2950	2750	2550	2350	2100

Formwork Span Tables:

Decking Un-propped Multi Span Formwork Table (4)

Construction imposed load 1.5kN/m²

	SPAN IN MM							
SLAB THICKNESS MM	100	110	120	130	140	150	160	175
DECKING THICKNESS MM								
0.75	3050	2850	2650	2450	2250	2050		
1.0		3250	3050	2850	2650	2450	2250	
1.2			3450	3250	3050	2850	2650	2400

Load Span Table:

Decking Maximum Span (Without Slab Bottom Reinforcement In Place) Table (5)

Valid for min. of two continuous spans.

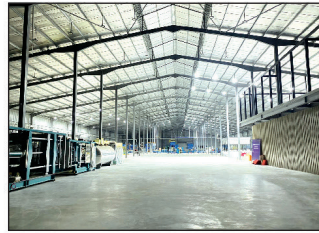
Super Imposed Dead Load = 1.2kn/m² Max.

Imposed Load = 3.0kn/m² Max.

	SPAN IN MM					
SLAB THICKNESS MM	100	110	120	130	140	150
DECKING THICKNESS MM						
0.75	3050	2850	2650	2450	2250	2050
1.0		3250	3050	2850	2650	2450
1.2			3450	3250	3050	2850

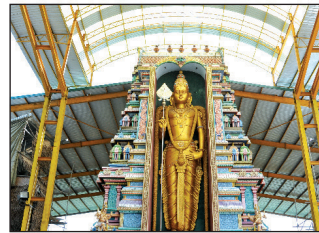
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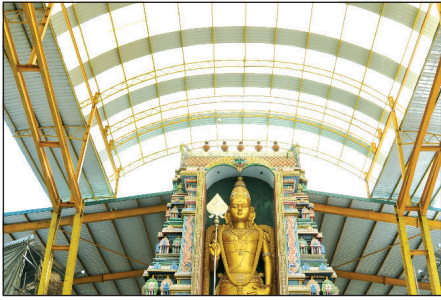


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