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APPROVED BY



BUET



# OMI STEEL & CORRUGATION INDUSTRY LTD.

Teghoria Natun Raster More, Dhaka-Mawa Highway, South Keranigonj, Dhaka-1310.



ENLISTED WITH  
**DMP**

MEMBER   
**DCCI & BLDA**



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Omi Steel & Corrugation Industry Ltd.

company profile

## Profile Info

Name of Company	: Omi Steel & Corrugation Industry Ltd.
Address	: Al-Razi Complex (15th Floor), 166-167 Shahed, Sayed Nazrul Islam Sarani, Purana Paltan, Dhaka-1000.
Phone	: 02-9553576 01748019838 01835341653
E-mail:	: omisteel2@gmail.com.
Website	: www.omisteel.com
Factory Address	: Teghoria Natun Raster More, Dhaka-Mawa Highway, South Keranigonj, Dhaka-1310.
Number of Employee	: 120
Factory Production Capacity	: 47,000 MT/Year

## Financial Partners



**Shahjalal Islami Bank**

L I M I T E D

Committed to Cordial Service



**SBAC Bank Limited**

সাউথ বাংলা এগ্রিকালচার এ্যান্ড কমার্স ব্যাংক লিঃ  
LOCAL BANK GLOBAL VISION



**Southeast Bank Limited™**

a bank with vision

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## About Us

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Omi Steel & Corrugation Industry Ltd. started its formal operation with most experienced and self recognized professional each member of its top management and the key roles that they play in our business. We are having more than 10 Years of Quality Metal Construction Experience. We are being backed up by a team of quality Professionals working for last many years in the Metal Roofing, Cladding and Pre-Engineering Metal Building Industry.

We are pleased to introduce ourselves as one of the organization doing complete solutions of design, manufacture, supply and installation of Omi Steel color coated steel Roofing, Wall Cladding and Pre-Engineered total Building Systems.

Omi Steel & Corrugation Industry Ltd. has ability to fabricate small, medium and large scale orders for steel building products. We serve in the following fields of industries: Ceramics, Warehouse, Garments, Knit Dyeing, Chemicals, Textiles, Spinning, Poultry, Feed mills, Food and Beverage, Furniture's, Parking sheds and Multi-Storied commercial buildings and many more.

## Vision

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Omi Steel & Corrugation Industry Ltd. shall foster an innovative environment constantly creating value and attaining benchmarks in the steel building Industry.

This will be accomplished through product Perfection, engineering Excellence, the Best customer Services and Best relationship with customers in the industry.

## Mission

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Omi Steel & Corrugation Industry Ltd. shall be committed to total customer satisfaction by under promising and over delivering.

Omi Steel & Corrugation Industry Ltd. shall give cost-effective solutions by the use of latest software and technologies.

Omi Steel & Corrugation Industry Ltd. will be a Leading Globally Competitive Company in the field of Pre-Engineered Steel Structures and Buildings.

Omi Steel & Corrugation Industry Ltd. shall adhere to the highest ethical business practices.

Omi Steel & Corrugation Industry Ltd. shall encourage continuous learning of the latest technology and systems.

Omi Steel & Corrugation Industry Ltd. shall continuously invest in upgrading machines and design process for maximizing safety and material utilization and minimizing defects.



## GOAL

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To make the company a leader and not be a follower with sharing knowledge with others successors and applying latest design and building codes.

To make the customers are lifetime partners giving satisfactory services.

## STRENGTHS OF OMI STEEL

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Clear spans up to 60m without internal columns.

Flexibility in building dimensions.

Easy expansion.

Fixed deadlines and costs.

Weather -tight roof and wall coverings with accessories for long maintenance free exteriors

Delivery is undertaken quickly and efficiently by our own vehicle as per clients need.

Our highly proficient sales engineers handle proposal for your inquiries with the utmost attention offering you the best competitive price quotation and proposal drawing to ensure sufficient information that help you to judge your needs.

Group of Experienced engineers are doing design and fabrication.

## APPLICATION OF OMI STEEL

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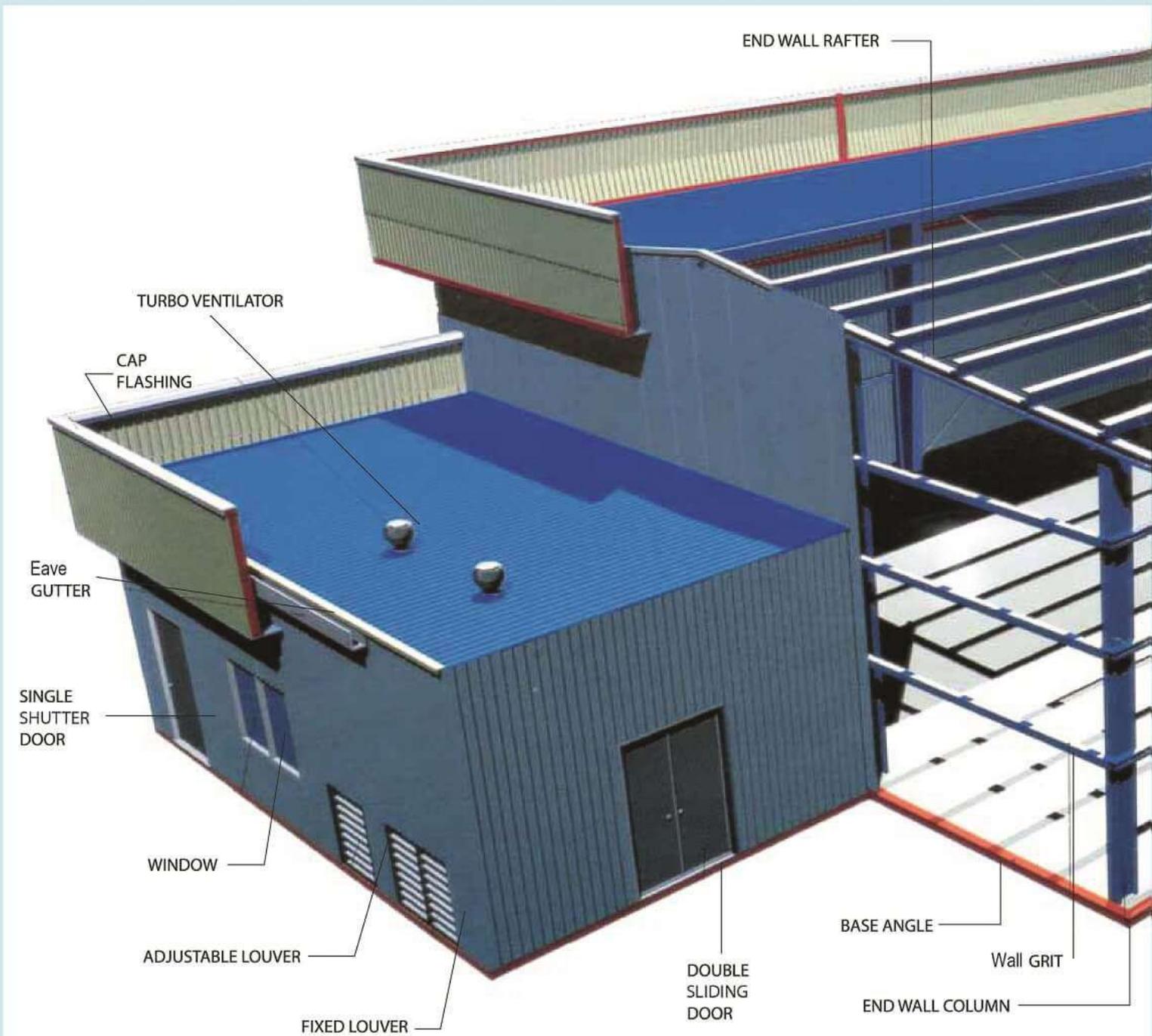
The applications of Omi Steel & Corrugation Industry Ltd. range from small car parking sheds to 60M (+), wide clear span aircraft hangers to low-rise as well as high rise Multi-storied buildings. Almost every conceivable building use has been achieved using the pre-engineered building approach.

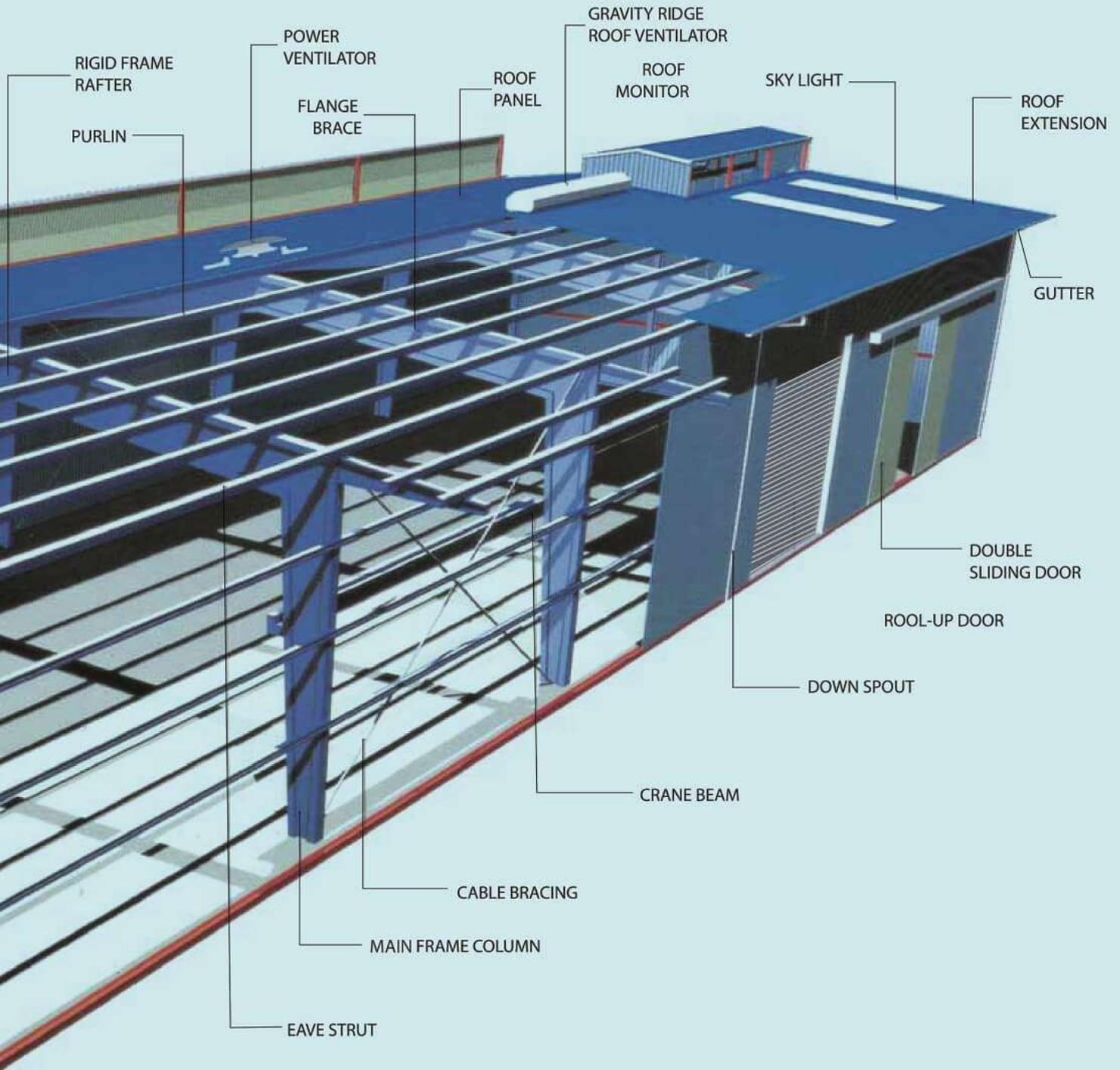
<b>Industrial Building</b>	: Factories, Workshops, Ware houses, Cold storage, Car parking Sheds Bulk product storage.
<b>Heavy Industrial Building :</b>	Cement Plants, Steel rolling mills, Spinning Mills, Ceramic factories.
<b>Commercial</b>	: Showrooms, Distribution centers, Super market, Fast food restaurants, Offices.
<b>Institutional</b>	: Schools, Exhibition halls, Hospitals, Sports halls, Theaters, Auditoriums.
<b>Aviation/Military</b>	: Aircraft hangers, Administration buildings Residential barrack Support facilities.
<b>Agricultural Building</b>	: Poultry-Dairy Farms, Greenhouses, Animal confinement, Pump stations.
<b>Pharmaceuticals</b>	: Multi-Storied and flatted Pharmaceuticals Building.
<b>Hospitals</b>	: Multi-Storied Hospital Building.
<b>Others</b>	: Labor camps, Service stations, Shopping centers & CNG Stations.



Omi Steel & Corrugation Industry Ltd.

## PERSPECTIVE VIEW OF PRE-FABRICATED STEEL BUILDING SYSTEM







## DESIGN TEAM

Omi Steel & Corrugation Industry Ltd. has an experienced and professionally qualified Structural Design Team with excellent track record of handling tedious situations of different buildings to accommodate architectural features. They have strong experienced judgment & good intuitive feeling to design structures that are capable of withstanding to incremental weather conditions and seismic situations as per latest code of practices. We work closely with each client from concept to reality, design to construction and to owner occupancy.

Omi Steel & Corrugation Industry Ltd. Structural design services are:

- » High Rise Structures - Steel, Composite Structures, prefabricated building systems etc.
- » Industrial Structures - Industrial plants, industrial sheds, factories, power plants, etc.
- » Commercial Structures - warehouses, healthcare and educational buildings, Airport terminal, aircraft hanger, bridge, theatres, stadium, exhibition hall etc.
- » Residential Structures - steel structures, unit blocks, condos, villas and more.

Omi Steel & Corrugation Industry Ltd. is fully equipped to meet clients structural engineering design and drawings requirements. It has the right experience both local & global to undertake projects of various large sizes.





## DETAILING TEAM

Each steel component is virtually detailed to facilitate proper fabrication. Parametric models create a clear visual demonstration of all building components. This intelligent and precise engineering ensures the highest level of build quality and provides an accurate design & detailing process.

Omi Steel & Corrugation Industry Ltd. has an experienced team of Detailing Engineers and checkers that use advance AutoCAD/ Tekla Structure for drafting, modeling, designing and drawing Steel structures in compliance with AISC and other relevant building codes applicable to particular country. We do our best to confirm to individual fabrication standards and revise detail & shop drawings according to client's specifications and requirements.

## PRODUCTION TEAM

Production of pre-fabricated steel structure is a process that requires heavy machinery and precision in managing throughout the production process. Omi Steel is equipped with modern machinery along with expert engineers and Forman who actualizes the detailing of the shop drawing for each member. It has a number of sections, like, Cutting & Fitting, Fabrication, Welding, Grinding, Sand Blasting/Shot Blasting, Painting, Cold Forming and Fiber Shop.



## QUALITY CONTROL TEAM

All structures are designed and manufactured strictly according to international standard specifications ensuring maximum safety and economy by making optimum use of quality raw materials and sheets.

Omi Steel & Corregation Industry Ltd. check regularly the raw materials to verify the standard of material supplied as well as to ascertain the quality of manufactured Steel Structures at various stages. The lab is equipped with all necessary equipments.

\* All raw materials required for the product are as per international standard specification.

- ▶ All dimensional & weight checking is carried out at factory.
- ▶ All welders are tested & trained and are certified welders.
- ▶ Field tests, Dye Penetrant Test, Ultrasonic test etc. are done to ensure highest quality of welding.





## MARKETING TEAM

Omi Steel & Corrugation Industry Ltd. emphasizes on efficient technical services to its valued clients and as such a dedicated marketing team is enriched with sufficient engineering knowledge and expertise on modern building solution of steel structures. They provide services to clients right from shaping ideas to realistic designs, precision detailings, approval of drawings, project scheduling, fabrication inspection for quality check, erection and additional modification services at site.

Throughout the project period marketing team is the most dedicated associate of the clients to ensure all the services for highest quality for Steel structure solutions. The marketing engineers of our team can develop your concept of building requirements into a most workable and economical building / structures to fulfill your industrial machinery layouts.

## DEDICATION TO QUALITY AND SAFETY

Quality is the hallmark of the products designed and manufactured by Omi Steel Builders. Some of the quality practices followed by the company which has led to continuous improvements in processes, procedures and products are as follows.

All products meet the national standard requirements.

To ensure quality all products are passed through stringent quality checks in all the stages of manufacturing.

An established quality management system continuously seek to improve the same which will satisfy the relevant national quality management system.

Source of the material are certified to ensure consistency in quality. Our production team converts these in to superior products through the use of advanced equipment and highly skilled manpower.

## TURNKEY SOLUTIONS

At Omi Steel & Corrugation Industry Ltd. we provide turnkey steel solutions right from concept to final delivery. Our special team can help you at every stage, making it significantly easier for you to get the end result, you want. We offer drawing, design, manufacture, production, pre-fabrication, erection as well as final installation services. Pre-engineered buildings, in themselves, are a path-breaking turnkey solution to large and medium scale industrial needs. To fulfill your PEB requirement, not only can we help design and estimate the materials necessary for the building, we can also provide all the parts as per design and color. Right from steel structures, tubular steel sections and purlins to flashing, corners, ridges, fascia as well as roofing and cladding, Omi Steel Builders acts as a one stop Steel solution provider.



## OMI COLOR PANEL

ZONE'S Color Panel is highly corrosion resistant Pre-Painted steel sheet used in steel structural constructions. These are metallic coated Steel Panels used for Roofing, Cladding & False Ceiling in Industrial Commercial or Residential Applications as well as in Architectural Appearances such as Factory, swimming pool, Fuel Pumps, indoor stadium and other sporting complexes, air hanger, Pedestal over-bridge and under-pass filling or railway station etc.

ZONE'S Color panels are rolled out in single skin trapezoidal shape by roll forming line maintaining proper design solution and optimization between extra stiffness and materials consumption. Sheets are custom roll-formed to suit given site measurements to a maximum length of 12m (appx. 40'-0"). Depending on site accessibility for delivery, Sheet lengths between 12m and 21m require special transportation.

Tolerance: Length  $\pm 5$ mm, cover Width  $\pm 4$ mm and Rib Height  $\pm 5$ mm

The Steel Panel is Corrugated from Pre-Painted Steel Sheet whose base materials has minimum thickness of 0.42mm (Base metal thickness, BMT) & Yield Strength 550 M Pa made out of cold rolled steel and shall be coated with anti-corrosive layer of hot deep metallic Aluminium- Zinc alloy coating of Aluminium (55%) & Zinc (45%).

Base Material	Cold Rolled Steel (0.42mm BMT)
Standard	AS 1397-1993 Grade80(G550)
Yield Strength	550 MPa
Pretreatment	Proprietary Corrosion Converting Coating
Substrate	Aluminium-Zinc alloy Coating AZ-150 (150 g/m <sup>2</sup> ) or depending on the product. Aluminium (55%), Zinc (43.4%) & Silicon (1.6%) are Solidified at 600°C high temperature The whole structure is a quaternary Al-Fe-Si-Zn which becomes a protection layer on the Steel sheet hence preventing the penetration of corrosive factors on Steel
Paint System	Primer Coating - Epoxy Primer Finish Coating - Polyvinylidene Fluoride (PVDF)
Profile	Single Skin Trapezoidal
Fastener	No.12-16x50mm, Hex-Head Self-Drilling or Self-Tapping Screw depending on support thickness

## OMI COLOR CHART



**SB BLUE-100 (RAL-5002)**



**SB WHITE-100 (RAL-9002)**



**SB BLUE-200 (RAL-5020)**



**SB BEIGE-100 (RAL-3012)**



**SB TORRES BLUE (RAL-5018)**



**SB BRICK RED-100 (RAL-3002)**



**SB GREEN-200 (RAL-6021)**



**SB ALU-ZINC**

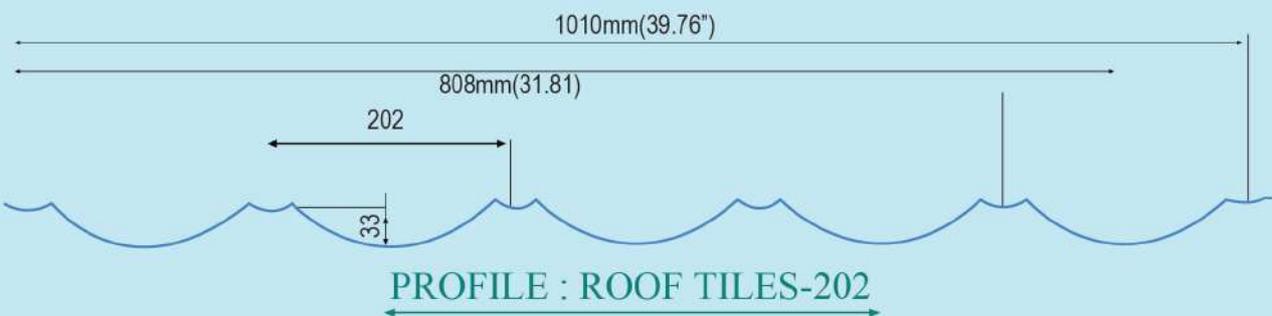
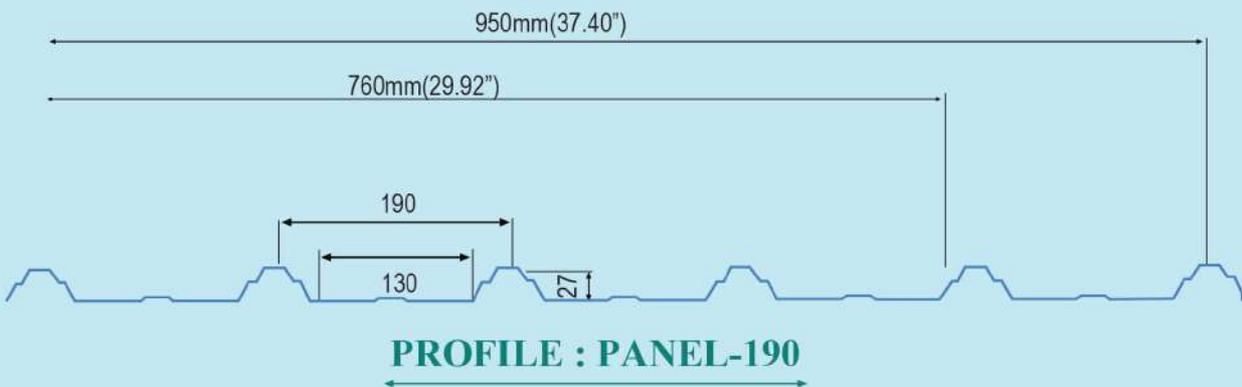
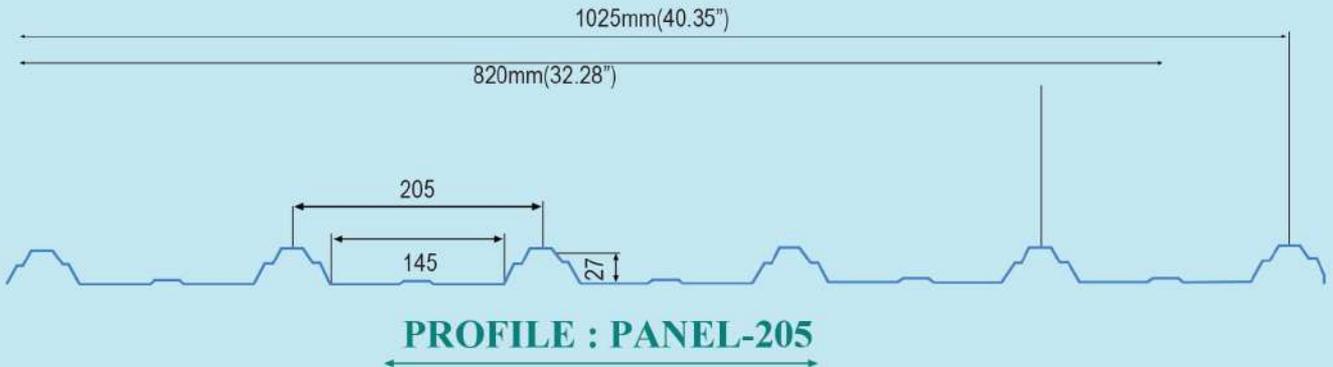


**SB GREEN-100 (RAL-6005)**



**SB CREAM (RAL-9001)**

# PROFILE SPECIFICATIONS

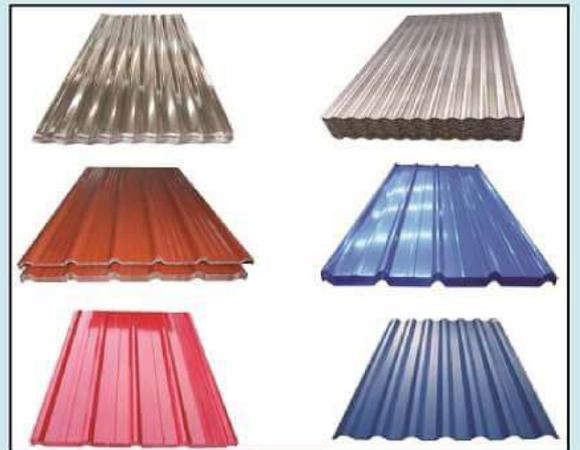
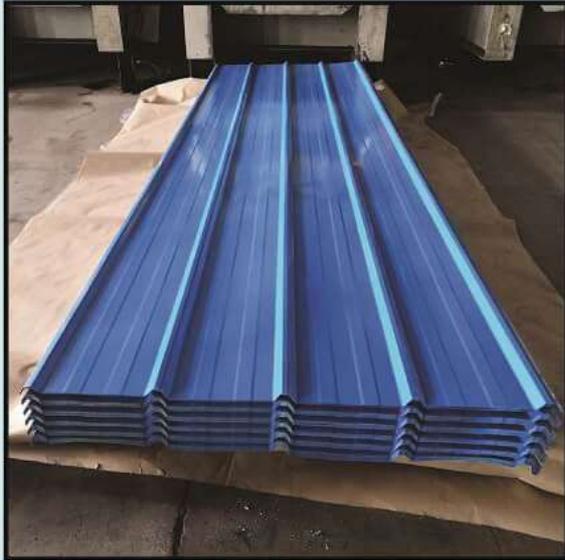


PHYSICAL PROPERTIES	PANEL-205		PANEL-190		ROOF TILES-202	
	Feeder with	1000mm (39.37")	220mm(48.00")	940mm (37.00")	1170mm(46.00")	1000mm(39.37")
Effective with	820mm(32.28")	1025mm (40.35")	TEOMM 29.52")	950mm(37.40")	808mm(31.81")	1010 mm(39.76")
total Coated Thickness TCT	0.47mm	0.47mm	0.47mm	0.47mm	0.47mm	0.47mm
Moss per unit- area	4.32 kg/m <sup>2</sup>	4.26 kg/m <sup>2</sup>	4.35 kg/m <sup>2</sup>	4.28 kg/m <sup>2</sup>	4.51 kg/m <sup>2</sup>	4.43 kg/m <sup>2</sup>
Coverage	232 m <sup>2</sup> /MT	235 m <sup>2</sup> /MT	230 m <sup>2</sup> /MT	234 m <sup>2</sup> /MT	222 m <sup>2</sup> /MT	226 m <sup>2</sup> /MT

## NOTE

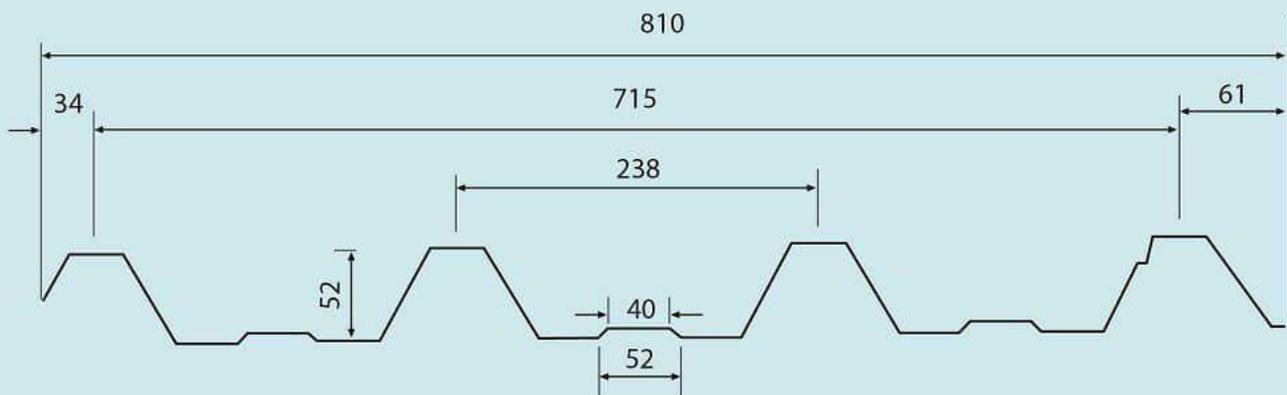
For the availability of non-standard Steel Panels having thickness between (0.40 - 0.80)mm, please contact at our Head Office. Color shown are close approximation of the actual color and may vary slightly. Supply of chosen color is subjected to availability of stock at the time of delivery.

# PROFILE PICTURE'S



## DECKING PANEL

Finished Steel	Color, GI Steel
Standard	JIS G3322 CGCC or A792(M)-Ola SS Grade 50(345)
Yield Strength	345 MPa
Tensile Strength	450 MPa
Substrate	The metal coating vary from Z 200 (200g/m <sup>2</sup> ) to Z-450 (450g/m <sup>2</sup> )
Profile	Single Skin Trapezoidal
Profile Specification	YX52-238-15
Fastener	No. 12-24x30mm, Hex-Headed Self-Drilling Screw
	or depending on support condition



## DECKING PANEL

PHYSICAL & SECTION PROPERTIES	STANDARD		
Thickness, BMT mm (Gauge)	.1.00[19]	0.75[21-22]	0.60 [23]
Mass per unit area, kg/m <sup>2</sup> [kg/sft]	11.31[1.05]	8.43 [0.78]	6.76 [0.63]
Coverage, m <sup>2</sup> /MT [sft/MT]	88.44 [952]	118.64 [1,277]	147.90 [1,592]
Section Modulus, Z <sub>x</sub> [10 <sup>3</sup> mm <sup>3</sup> /m]	8.32	10.44	13.9
Cross-sectional area, Ash [mm <sup>2</sup> /m]	839	1,049	11,399
Second moment of area, I <sub>x</sub> [10 <sup>4</sup> mm <sup>4</sup> /m]	31.97	40.07	53.43

### NOTE

For The availability of non-standard Decking panels having thickness between (0.45~ 1.20) mm, please contact at our Head Office.

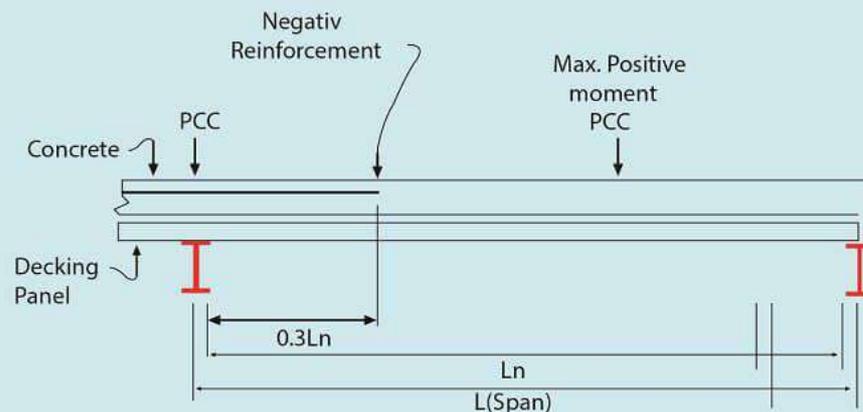
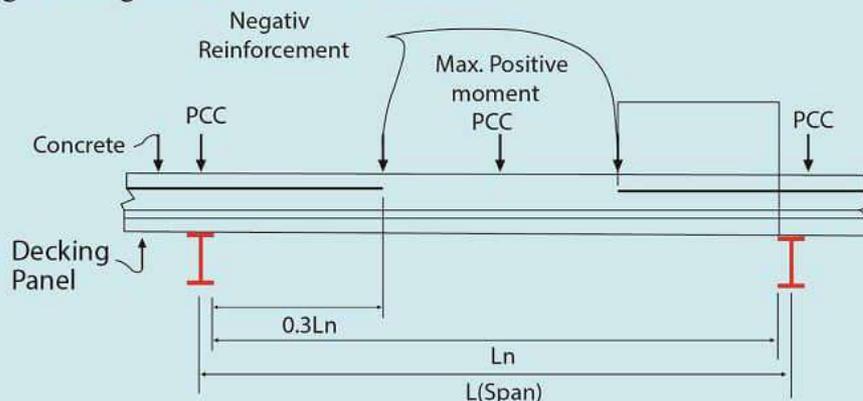
## DECKING PANEL

ZONE'S DECKING PANEL is the centre of a formwork and reinforcement system for concrete slab construction. It is profiled steel sheeting widely accepted by the building construction industry to be highly economical, versatile and robust. It has been used to great effect on many major building projects as well as countless small ones, such as in place of conventional shuttering for speedy execution of reinforced concrete construction, for roofing and side cladding for industrial building and warehouses and for composite a floor decking for reinforced concrete slabs in order to save reinforcement and erection time.

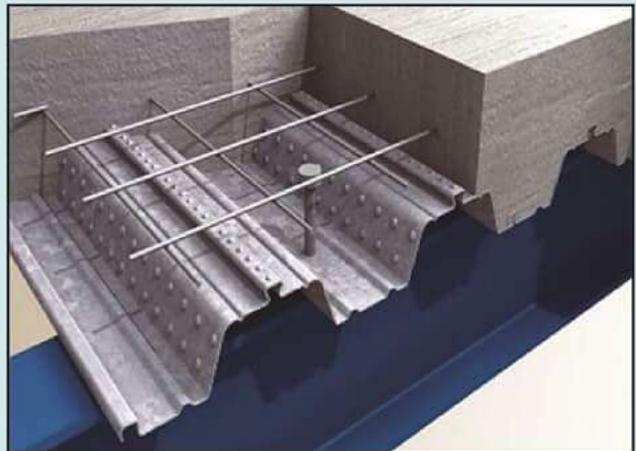
ZONE'S DECKING PANEL profiles are rolled out in four ribs maintaining proper design solution and optimization between extra stiffness and materials consumption with 810mm (31.89") finished sheet width, 760mm [29.92"] covered width and 1000mm (39.37") feeding width. Sheets are custom roll-formed to suit given site measurements to a maximum length of 12m (appx. 40'-0"). Depending on site accessibility for delivery, sheet lengths between 12m and 21m require special transportation. Tolerance: Length  $\pm 5$  mm, Cover Width  $+ 2$  mm and Rib Height  $\pm 1$ mm.

ZONE'S DECKING PANEL is manufactured from tested Galvanized or Pre-painted coils as per ASTM & AS1397 grade G-345. It can be roll-formed from hot dipped, zinc-coated, high tensile steel.

DECKING PANEL profiles are rolled out in thickness varying from 0.73 mm to 1.20 mm and with length having from 600 mm to 12000 mm.



# DECKING PICTURE'S

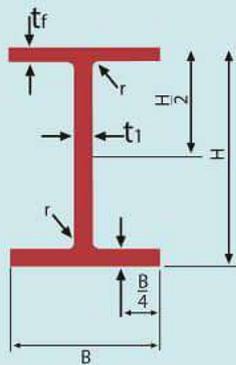


# DECKING PICTURE'S

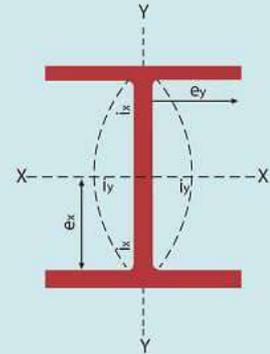


# H-BEAM & I-BEAM SECTION

Material	Hot Rolled Plates
Standard	ASTM A572M Grade 50 (G345)
Yield Strength	345MPa
Ultimate Strength	450MPa



Geometrical moment of inertia  $I = Ar^2$   
 Radius of gyration of area  $r = \sqrt{I/A}$   
 Modulus of section  $Z = I/e$   
 (A= sectional area)



STANDARD SECTIONAL DIMENSIONS					CROSS SECTIONAL AREA A	UNIT WEIGHT	INFORMATIVE REFERENCE					
Nominal Dimensions mm	HXB mm	tw mm	tf mm	r mm			Geometrical Moment Of Inertia		Radius Of Gyration Of Area		Modulus Of Section	
					Ix cm <sup>4</sup>	Iy cm <sup>4</sup>	ix cm	iy cm	Zx cm <sup>3</sup>	Zy cm <sup>3</sup>		
100 x 100	100 x 100	6	8	10	21.90	17.20	383	134	4.18	2.47	76.5	26.7
125 x 125	125 x 125	6.5	9	10	30.31	23.80	847	293	5.29	3.11	136	47.0
150 x 75	150 x 75	5	7	8	17.85	14.00	666	49.5	6.11	1.66	88.8	13.2
150 x 100	148 x 100	6	9	11	26.84	21.10	1020	151	6.17	2.37	138	30.1
150 x 150	150 x 150	7	10	11	40.14	31.50	1640	563	6.39	3.75	219	75.1
175 x 175	175 x 175	7.5	11	12	51.21	40.20	2880	984	7.50	4.38	330	112
200 x 100	198 x 99	4.5	7	11	23.18	18.20	1580	114	8.26	2.21	160	23.0
	200 x 200	5.5	8	11	27.16	21.30	1840	134	8.24	2.22	184	26.8
200 x 200	248 x 124	8	12	13	63.53	49.90	4720	1600	8.62	5.02	472	160
250 x 125	248 x 124	5	8	12	32.68	25.70	3540	255	10.4	2.79	285	41.1
	250 x 250	6	9	12	37.66	29.60	4050	294	10.4	2.79	324	47.0
250 x 250	300 x 300	9	14	16	92.18	72.40	10800	3650	10.8	6.29	867	292
300 x 150	298 x 174	5.5	8	13	40.80	32.00	6320	442	12.4	3.29	424	59.3
	350 x 175	6.5	9	13	46.78	36.70	7210	508	12.4	3.29	481	64.7
300 x 300	400 x 200	10	15	18	119.80	94.00	20400	6750	13.1	7.51	1360	450
350 x 175	346 x 174	6	9	14	52.68	41.40	11100	792	14.5	3.88	641	91.0
	350 x 175	7	11	14	63.14	49.60	13600	984	14.7	3.95	775	112
350 x 350	350 x 350	12	19	20	173.9	137.0	40300	13600	15.2	8.84	2300	776
400 x 200	396 x 199	7	11	16	72.16	56.60	20000	1450	16.7	4.48	1010	145
400 x 200	400 x 200	8	13	16	84.1	66.00	23700	1740	16.8	4.54	1190	174
400 x 400	400 x 400	13	21	22	218.7	172.0	66600	22400	17.5	10.1	3330	1120
450 x 200	450 x 200	9	14	18	96.8	76.00	33500	1870	18.6	4.40	1490	187
500 x 200	500 x 200	10	16	20	114.2	89.60	47800	2140	20.5	4.33	1910	214
600 x 200	600 x 200	11	17	22	134.4	106.0	77600	2280	24.0	4.12	2590	228
600 x 300	588 x 300	12	20	28	192.5	151.0	118000	9020	24.8	6.85	4020	601
700 x 300	700 x 300	13	24	28	235.5	185.0	201000	10800	29.3	6.78	5760	722
800 x 300	800 x 300	14	26	28	267.4	210.0	292000	11700	33.0	6.62	7290	782

## H-BEAM & I-BEAM SECTION

ZONE'S H-Beam Section usually a 'H' Shape made from individual flat plates welded together. Structural Steel Members are load carrying Member usually use for primary frame structure. The built up H-Beam section for steel structure adds a new dimension to your project or applications. It is efficient light weight and economical to your project because of its limitless size (HxB) and length. The designer can design the beam with a wide range of flexibilities of its flange and web thickness and width.

The production line of commont type steel is made up of some mein equipment such as **Multiple type gas cutting or Shear culling machine, H-Becm Assembling machine, the gantry submerge d Arc welding machine straightening machine** And shot blasting machine etc. The non-destructive welding test of the section s tested by radiographic technique under ANSI / AWS D1.1-98 standard

Parameter		Min.-mm	Max.-mm
Flenge	Width(B)	100	600
	Thickness (tr)	6	40
Web	Heighl-(H)	100	1500
	Thicknessit(tw)	4.5	32

Length 12.0m(cppx.40'-6") Deperding on site accessibility for delivery, Beam lengths between 12.0m and 21.0m require special transport

### TOLERANCE

Length  $\pm 10\text{mm}$

Width  $\pm 3\text{mm}$

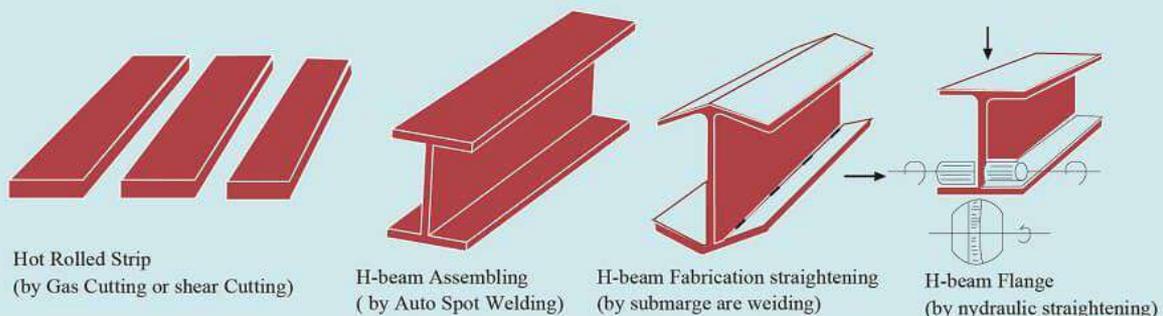
Depth  $\pm 5\text{mm}$

1 Camber : up to 1 in 500 depending or length

2 Bow : up to " in 250 depending on length.

1 Camber is the variation from straightness in the plane of the web

2 Bow is the verlotion from shiaghless in the plane perpendicular to the web



## H-BEAM & I-BEAM PICTURE'S



## H-BEAM & I-BEAM PICTURE'S





Dear Valued Clients,

Omi Steel & Corrugation Industry Limited is specialized in industrial shed & steel construction. We are experienced and professional in building pre-fabricated steel structures, factory shed, civil work, steel structure interior solution and steel structural consultancy etc.

Omi Steel & Corrugation Industry Limited as the name implies is an Omi Steel and state the art of pre-engineered Steel Fabrication and Construction company. From the inception in 2010, the company hired a core group of highly experienced team of engineers & other experts. The experienced team felt that the existing companies were comparatively not doing justice to the new industry. As such, we promised to produce & deliver the quality products at a competitive price. And within a short period of 7 years, we have carved out a niche in the market.

Our motto has been and will be production of quality goods, on time delivery and competitive price. To the motto, I have added, ethical way of doing business. On behalf of the Board of Directors and myself being the Managing Director & CEO, I want take this opportunity to provide you with the best quality in the arena within our capabilities which I am sure will satisfy you. Bangladesh has a vibrant economic with a huge potential for growth, we want to contribute to that growth.

I want to convey my sincerest gratitude to our old and new clients, business associates, bankers, most importantly our officers & workers, suppliers and well-wishers for their contribution to our success. And hope that our friendly relationship will grow further and will contribute to our mutual benefit in the days and years to come.

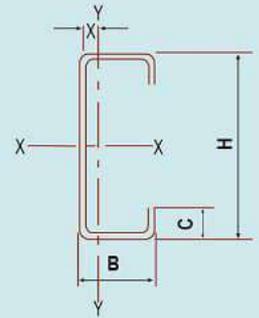
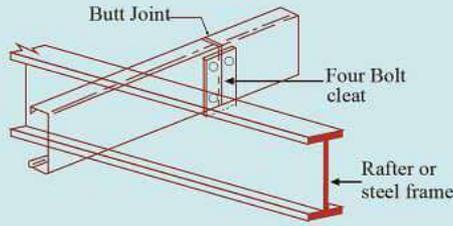
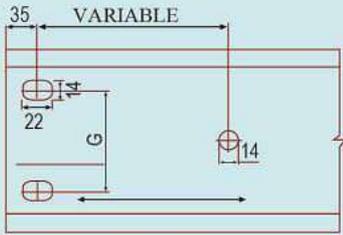
To fulfil the extended demand of the clients, apart from this unit, we have established the following arenas/wings :

- 1) **Omi Zone** : A Developer/construction company to provide with the quality Flats/Apartments.
- 2) **Omi Shipping** : A Motor Vessel Company having own passengers transportation vessels.
- 3) **Omi Trading Corporation** : A Trading House having Import License who import frequently.
- 4) **Omi Enterprise** : An Enterprise having License for local trading & construction
- 5) **Tayham Builders & Engineering** : A company for supplying of finished goods & all other works on contract basis.

We are looking forward to the valued orders from our clients and we assure & promise highest quality of goods, competitive price, quick delivery and expected after sales service with an expectation that they will repeat the order/business frequently.

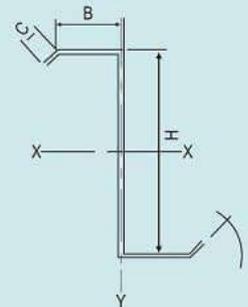
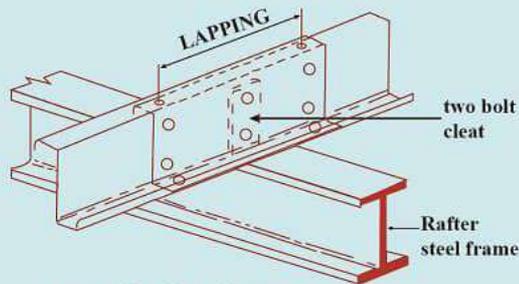
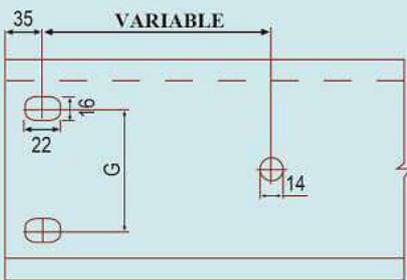
Thanking you  
Hajji Md. Al Mamun  
CEO & Managing Director  
Omi Steel & Corrugation Industry Limited

# CEE & ZED PURLIN SECTION



## CEE SECTION

Ship Mark	DIMENSIONS					Mass Per Unit Length mm kg/m	Std. Feeder mm	Description
	Height-H mm	Width-B mm	Lip-C mm	Gauge-G mm	Thickness-t mm			
C-8016	80	50	20	--	1.6	2.64	202 + <sub>8</sub>	C-H*B*C
C-8018					1.8	2.97		
C-8020					2.0	3.30		
C-10016	100	50	20	40	1.6	2.89	222 + <sub>8</sub>	C-100*50*20
C-10018					1.8	3.25		
C-10020					2.0	3.61		
C-12016	120	50	20	40	1.6	3.14	242 + <sub>8</sub>	C-120*50*20
C-12018					1.8	3.54		
C-12020					2.0	3.93		
C-14016	140	50	20	60	1.6	3.39	262 + <sub>8</sub>	C 140*50*20
C-14018					1.8	3.82		
C-14020					2.0	4.24		
C-16016	160	60	20	60	1.6	3.90	302 + <sub>8</sub>	C-160*60*20
C-16018					1.8	4.38		
C-16020					2.0	4.87		
C-18016	180	60	20	80	1.6	4.15	322 + <sub>8</sub>	C-180*60*20
C-18018					1.8	4.67		
C-18020					2.0	5.18		
C-20016	200	60	20	110	1.6	4.40	342 + <sub>8</sub>	C-200*60*20
C-20018					1.8	4.95		
C-20020					2.0	5.50		
C-25016	250	70	20	140	1.6	5.28	412 + <sub>8</sub>	C-250*70*20
C-25018					1.8	5.94		
C-25020					2.0	6.60		



## ZED SECTION

Ship Mark	DIMENSIONS					Mass Per Unit Length mm kg/m	Std. Feeder mm	Description
	Height-H mm	Width-B mm	Lip-C mm	Gauge-G mm	Thickness-t mm			
Z-12016	120	50	20	40	1.6	3.27	248 ±12	Z-120*50*20
Z-12020					2.0	4.08		
Z-12023					2.3	4.69		
Z-15016	150	50	20	60	1.6	3.64	278 ±12	Z-150*50*20
Z-15020					2.0	4.55		
Z-15023					2.3	5.24		
Z-18016	180	60	20	80	1.6	4.02	308 ±12	Z-180*60*20
Z-18020					2.0	5.03		
Z-18023					2.3	5.78		
Z-20016	200	60	20	110	1.6	4.52	348 ±12	Z-200*60*20
Z-20020					2.0	5.65		
Z-20023					2.3	6.50		
Z-25016	250	70	20	140	1.6	5.40	418 ±12	Z-250*70*20
Z-25020					2.0	6.75		
Z25023					2.3	7.76		

**Note**

The Actual weight may vary due to Girth, strip or Coating

## CEE & ZED PURLIN SECTION

### CEE SECTION

ZONE'S Cee Section is suitable for any construction in which the spans are simply supported. Typical applications are single bay building, recessed roofs or walls, tower structures, end walls & building with odd shaped ground plans. Where purlins of sufficient length are available, Cee Section may also be used continuously over two or more spans to reduce deflection.

### CAPACITY

Thickness : 1.2mm- 2.0mm [18gauge - 10 gauge]  
 Length : 0.6m [21-01 -15.0m [501-01] / Variable.

### ZED SECTION

ZONE'S Zed Section are suitable for multi-bay building which produces a structurally continuous line of purlins or girts throughout the length of the building. Structural continuity results in better economy but lapping provides two thicknesses of material over interior supports, increasing the strength of the section where bending moments are critical & improving the load capacity & rigidity of the systems.

### CAPACITY

Thickness : 1.2 - 3.0mm [18 gauge,- 12 gauge]  
 Length : 0.6m[2'-01-15.0m [501-01] / Variable.

### TOLERANCE

The following tolerances apply to ZONE'S Cee & Zed Section

Depth + 1 mm  
 Flange Width +\_ 2mm  
 Overall length +\_ 5mm  
 Hole center +\_ 1.5mm  
 1Chamber : up to 1 in 500 depending on length  
 2Bow : up to 1 in 250 depending on length  
 1Chamber is the variation from straightness in the plane of the web.  
 2Bow is the variation from straightness in the plane perpendicular to the web.

### CEE & ZED

Sections used as purlins or girts in three structural configuration.

- As simple spans for both Cee & Zed Sections.
- As double spans for both Cee & Zed Sections continuous over the centre support.
- As continuous spans limited to Zed section lapped over each internal support.

Finish Steel	Hot Rolled, CR, EG, GI, Color Steel
Standard	ASTM A607 Grade 50
Yield Strength	345 MPa
Tensile Strength	450 MPa
Substrate	The metal coating varies from Z-200 (200g/m <sup>2</sup> ) to Z-450 (450g/m <sup>2</sup> )

## CEE & ZED PURLIN PICTURE



# STD. CAPPING & FLASHING

## (RIDGE CAP & EAVE GUTTER)

<p>01. RIDGE CAPPING</p> <table border="1"> <thead> <tr> <th>SHIP MARK</th> <th>GIRTH</th> <th>A(mm)</th> </tr> </thead> <tbody> <tr> <td>RC-400</td> <td>400</td> <td>150</td> </tr> <tr> <td>RC-500</td> <td>500</td> <td>200</td> </tr> <tr> <td>RC-600</td> <td>600</td> <td>250</td> </tr> </tbody> </table>	SHIP MARK	GIRTH	A(mm)	RC-400	400	150	RC-500	500	200	RC-600	600	250	<p>02. CORNER CAPPING ( EXTERNAL)</p> <table border="1"> <thead> <tr> <th>SHIP MARK</th> <th>GIRTH</th> <th>A(mm)</th> </tr> </thead> <tbody> <tr> <td>CCE-305</td> <td>305</td> <td>102</td> </tr> <tr> <td>CCE-330</td> <td>330</td> <td>115</td> </tr> </tbody> </table>	SHIP MARK	GIRTH	A(mm)	CCE-305	305	102	CCE-330	330	115													
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NOTE: Arrow indicates the color side

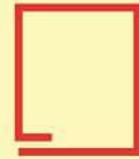
## STANDARD TRIMMING



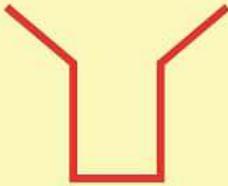
RIDGE CAPPING



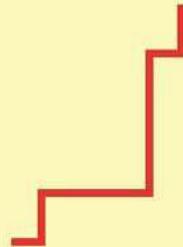
CORNER CAPPING (EXTERNAL)



DOWN PIPE



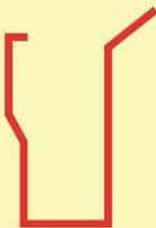
VALLEY GUTTER



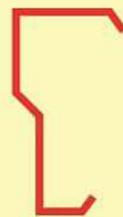
CORNER CAPPING (INTERNAL)



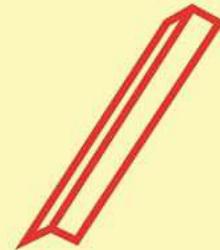
BOTTOM FLASHING



EAVE GUTTER (TYPE-B)



BARDGE CAPPING



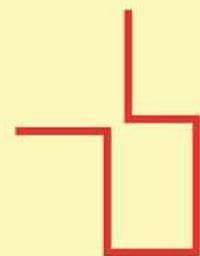
GUTTER STRIP



CAP FLASHING

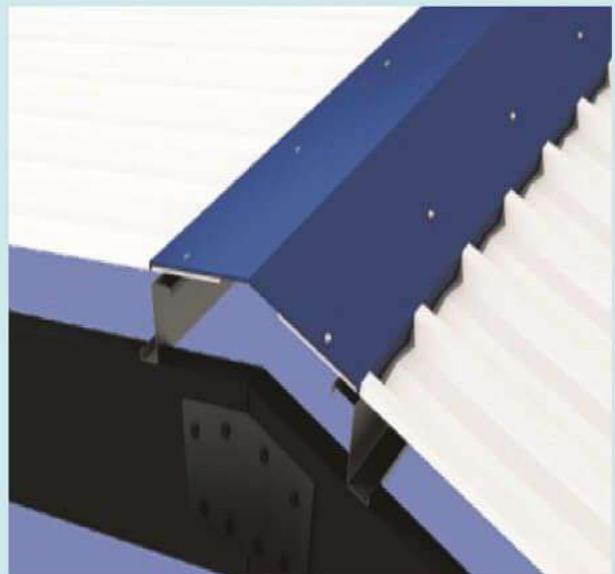
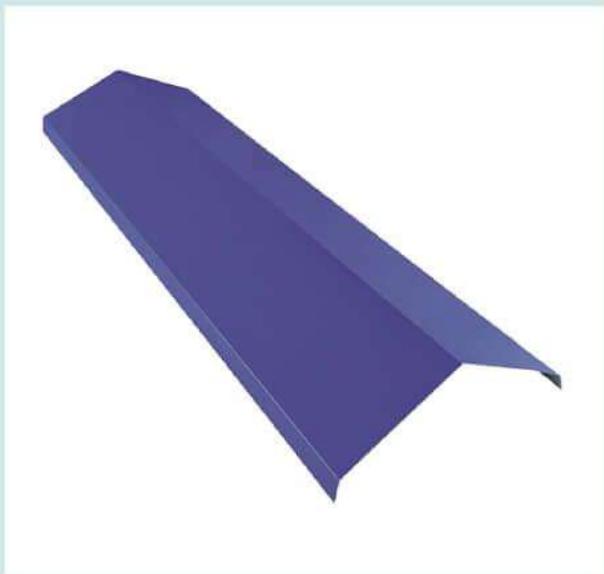
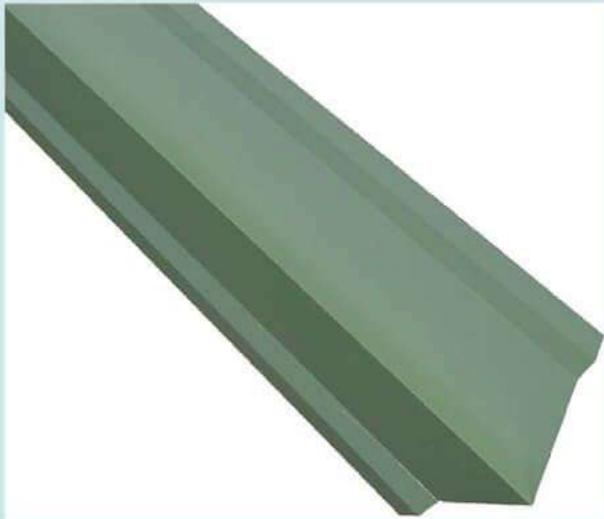
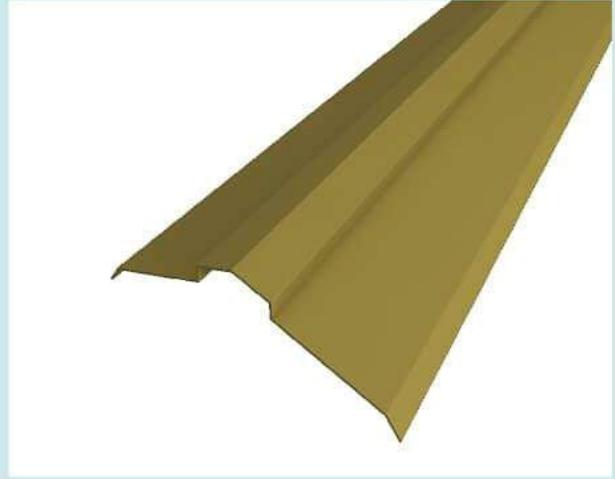


HOOD TRIM FOR SLIDING DOOR



CAPING FOR SOFFIT PANEL

## TRIMMING PICTURE'S



## CRANE SYSTEM

Omi Steel & Corrugation Industry Ltd. building can be designed to support any required crane system. Over head traveling cranes up to 15 metric tones are supported on brackets. Our quotations for buildings with crane systems usually include column & rafter, Crane brackets, crane runway beam and bracings. We do require the customer's complete crane system information in order to design and estimate buildings with cranes.

## MEZZANINE FLOOR

Omi Steel & Corrugation Industry Ltd. standard mezzanine floor systems consist of galvanized steel decking supported by sub-beam joist (sub-beam) framed on main mezzanine beams (main beam) shall also be supported by intermediate columns. The primary mezzanine beams usually run cross the width of the building and the joist usually run lengthwise (parallel to the roof purlins).

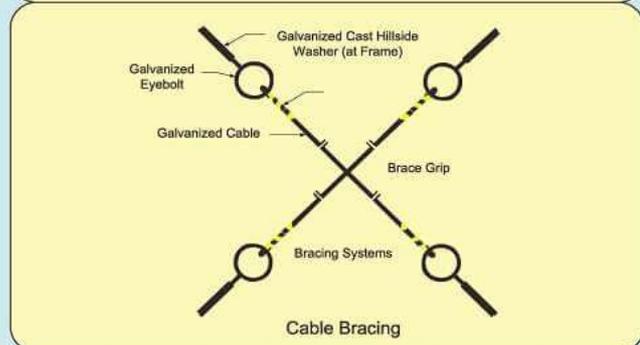
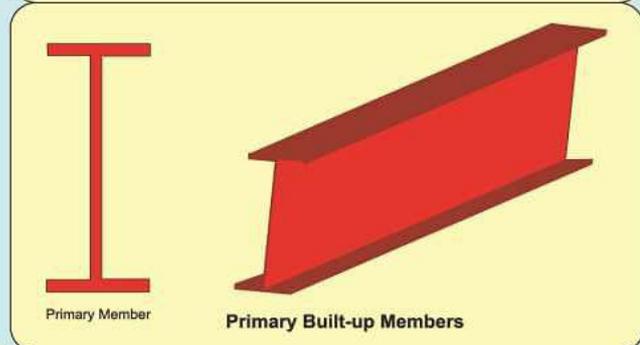
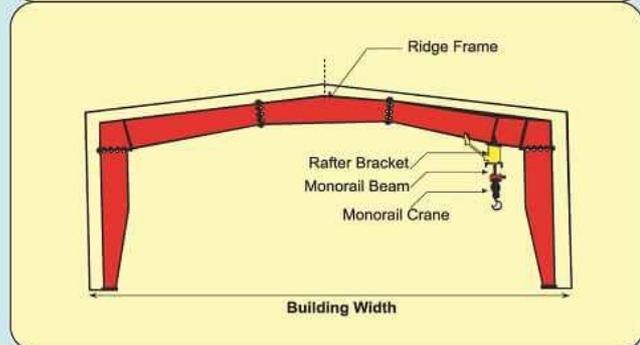
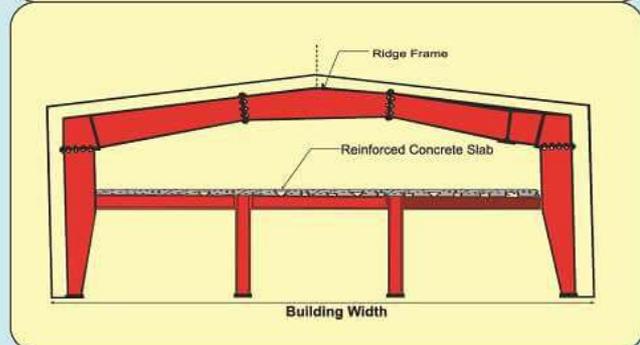
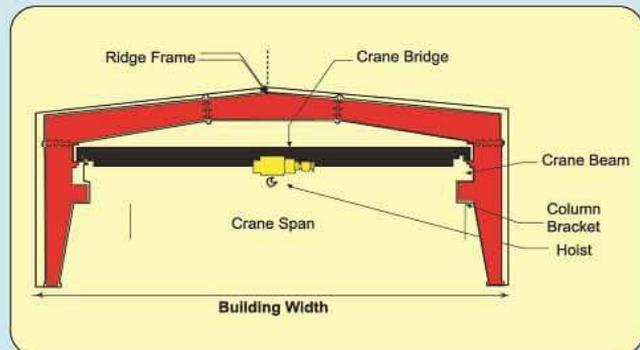
## STRUCTURAL BEAM & BRACING

Beams are fabricated from high grade steel plates conforming to ASTM A572, Grade 345 Type 1 or Equivalent with a minimum yield strength of 34.5Kn/Sq.cm and are factory painted with Red Oxide Primer as per our standard.

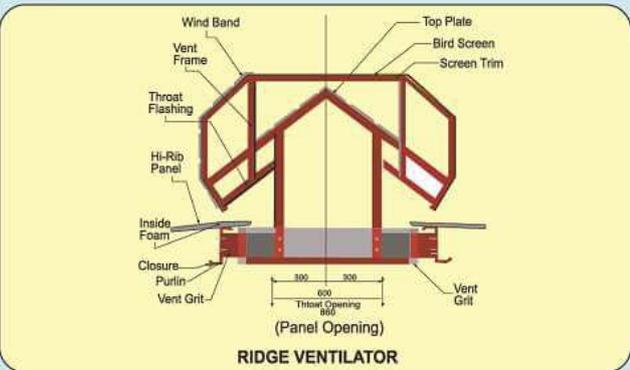
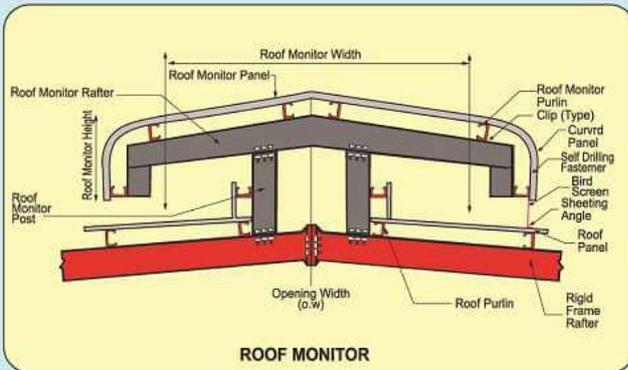
Cable bracing is a Secondary member suitable to ensure the stability of the building against forces in the longitudinal direction due to wind, cranes, earth quake...etc. Cables are made of galvanized extra high strength seven strand cable of 12 mm diameter conforming to ASTM A572 -class 1 (G50).

## INSULATION

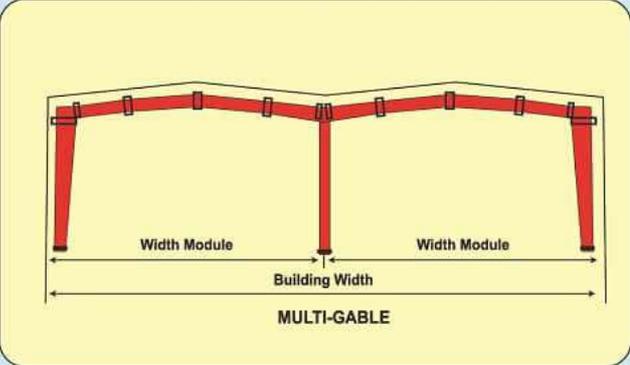
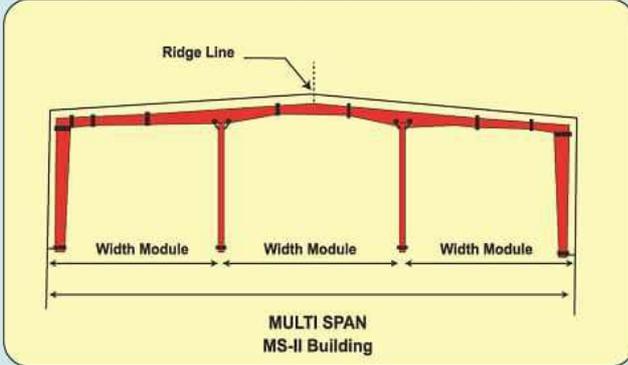
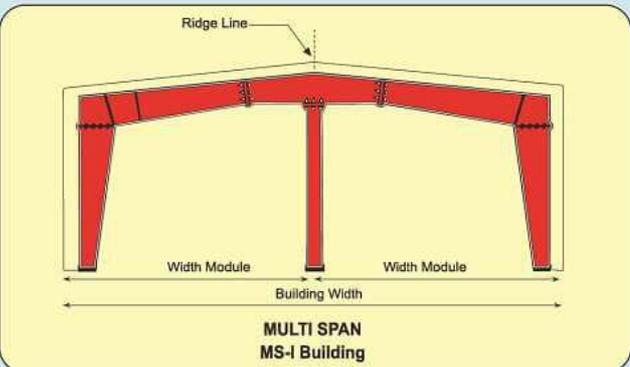
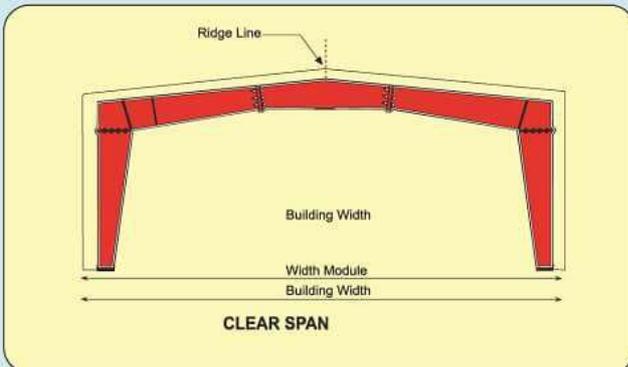
- Poly foil insulation (5mm thick, single side aluminium foil). Single and double air bubble insulation (5mm thick, both side aluminium foil).
- Glass wool insulation (25-50mm thick, single side aluminium foil) are available for heat absorbing as well as air conditioning. Mostly it is used at roof and wall of industrial building.



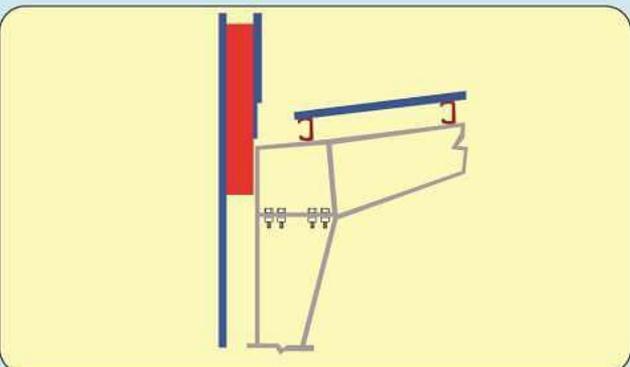
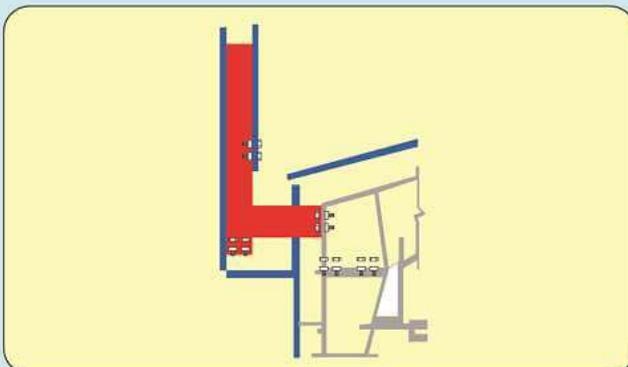
## VENTILATION SYSTEM



## BUILDING FRAME



## FACIA SYSTEM



## BUILDING ACCESSORIES



ANCHOR BOLT



SAG-ROD



SELF-DRILLING FASTENER  
(Metal Bonded / EPDM Washer)



LOUVER



STRUCTURAL BOLTS  
Grade : ASTM A325M/DIN933  
CLOSS8.8 TYPE 1



F-TRANSLUCENT PANEL



INDUSTRIAL FAN



NATURAL TURBINE VENTILATOR



INSENT, SILICONE SEALANT



## Complete Project

1. Epic Garments Ltd. AEPZ , Siddirganj, Narayanganj. Canteen Shed. Area-4000 Sft
2. ACI Solt Ltd. Rupganj, Narayanganj. Warehouse Shed. Area- 10000 Sft
3. KM Enterprise. Dholesshor, Chuadanga. Cow Feeding Shed. Area-5000 Sft
4. Square Pharmaceuticals Ltd. API, Blu. Pabna. Medicine Factory-16000 Sft
5. Washing Plant. Prime Group, Nobiganj, Narayanganj. Dyeing Shed 14000 Sft
6. Poccha Shop Factory, Alam Group, Narayanganj, Single Shed-8000 Sft
7. Rupayan Sales Center, Rypayan Group, Uttara, Dhaka. Mazzanine Shed-16000 Sft
8. Transcom Bavarage Ltd, Bagerbazar, Gazipur. Production Shed-22000 Sft
9. BM Apparels Ltd. Board bazar, Chittagong, Production Shed-25000 Sft
10. Amir Sarker Printing & Packing Factory, Asshulia, Saver, Dhaka. Single Shed-16000 Sft
11. Sagor Agro Food Bavarage Ltd. Gandimara More, Rajbari. Production Shed-20000 Sft
12. Dekko Group, Ashulia, Saver, Dhaka. Connecting Bridge-4000 Sft
13. Memorial Knit Composite Ltd. Sripur, Gazipur, Single Shed-15000 Sft
14. Victoriya Apparels Ltd, Sripur, Gazipur. Knitting Shed-35000 Sft
15. Hams Group, Sripur, Gazipur. Dyeing Shed Extention Part -8000 Sft
16. SF Jeans Apparels Ltd. Shofipur, Gazipur, Printing Building-10000 Sft
17. Sincere Composite Ltd, Gedderbazar, Narayanganj. Dyeing Shed-14000 Sft
18. Bangol Group, Abdullapur, Dhaka. 4-Storied Building -12000 Sft

## On Going Project:

1. 2-Storied Factory Shed, 25000 Sft. RAK Consumer Ltd. Uttar Khan, Dhaka
2. 3-Storied Steel Stair-3000 Sft. Dhaka Garments & Washing Ltd. Sripur, Gazipur.
3. Single Storied Factory Shed-36000 Sft, Boardbazar, Kornofully, Chattagong.
4. 4-Storied Garments Building-12000 Sft, Shofipur, Gazipur.

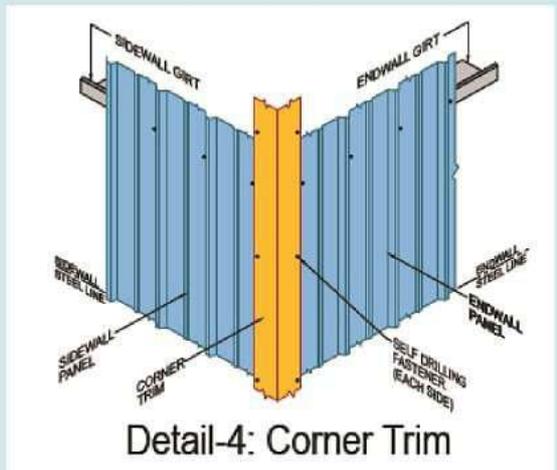
## PROJECT PICTURE'S



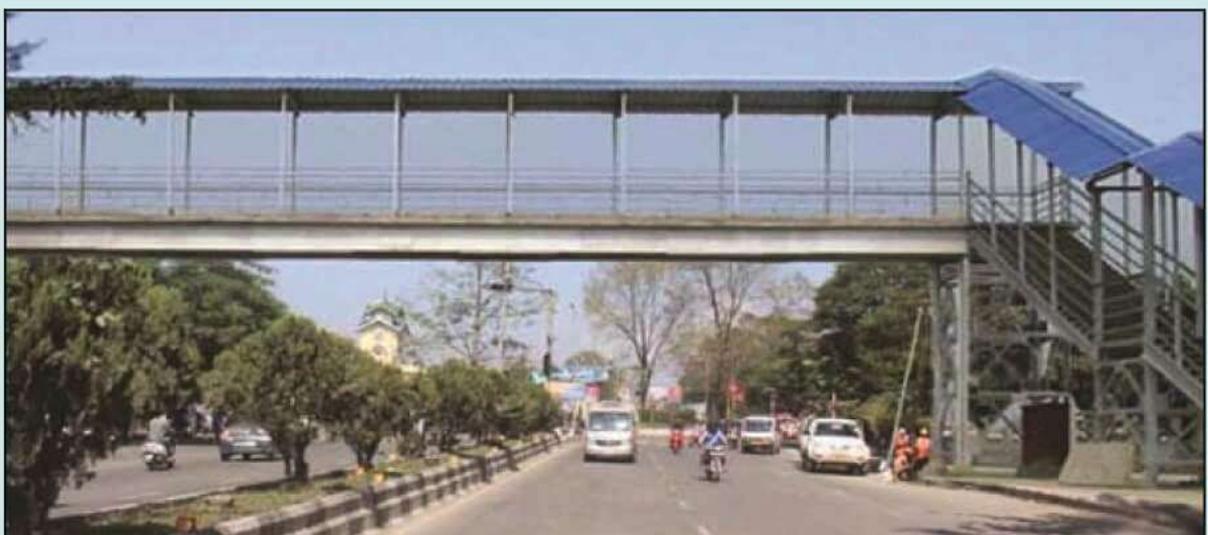
## PROJECT PICTURE'S



## PROJECT PICTURE'S



## PROJECT PICTURE'S



## PROJECT PICTURE'S



## PROJECT PICTURE'S



## PROJECT PICTURE'S



## PROJECT PICTURE'S



## PRODUCT DETAIL:

This high-frequency pipe production line is specialized equipment to produce high frequency straight seam welded pipes for structural pipe and industrial pipe with  $\Phi 16.00\text{mm} \sim \Phi 63.50\text{mm}$  and pipe thickness of  $0.5 \sim 2.00\text{ mm}$ . Through optimization design, best materials choice, and accurately fabrication and rolls, the whole line can be reached high precision and high speed. Within suitable range of pipe diameter and Pipe thickness, pipe production speed can be adjusted.

This high-frequency Tube production line is specialized equipment to produce high frequency straight seam welded Tubes for structural Tube and industrial Tube with  $\Phi 12.70\text{mm} \sim \Phi 76.20\text{mm}$  and Tube thickness of  $0.5 \sim 2.00\text{ mm}$ . Through optimization design, best materials choice, and accurately fabrication and rolls, the whole line can be reached high precision and high speed. Within suitable range of Tube diameter and Tube thickness, Tube production speed can be adjusted. This Product whole capacity Per day 70 MT. We are making hollow pipe & box by MS, CR, HR & GI Plain Sheet.

No	Product Name	Thickness	Size
1	Box Pipe	0.5mm-2.00mm	$\frac{1}{2}'' \times \frac{1}{2}''$ □
2	Box Pipe	0.5mm-2.00mm	$\frac{3}{4}'' \times \frac{3}{4}''$ □
3	Box Pipe	0.5mm-2.00mm	1''x1'' □
4	Box Pipe	0.5mm-2.00mm	$1\frac{1}{2}'' \times 1''$ □
5	Box Pipe	0.5mm-2.00mm	$1\frac{1}{4}'' \times 1\frac{1}{4}''$ □
6	Box Pipe	0.5mm-2.00mm	$1\frac{1}{2}'' \times 1\frac{1}{2}''$ □
7	Box Pipe	0.5mm-2.00mm	2''x1'' □
8	Box Pipe	0.5mm-2.00mm	$1\frac{1}{2}'' \times 2\frac{1}{2}''$ □
9	Box Pipe	0.5mm-2.00mm	2''x2'' □
10	Box Pipe	0.5mm-2.00mm	3''x1'' □



No	Product Name	Thickness	Size
1	Round Pipe	0.5mm-2.00mm	16mm $\varnothing$
2	Round Pipe	0.5mm-2.00mm	$\frac{3}{4}''$ $\varnothing$
3	Round Pipe	0.5mm-2.00mm	1'' $\varnothing$
4	Round Pipe	0.5mm-2.00mm	$1\frac{1}{4}''$ $\varnothing$
5	Round Pipe	0.5mm-2.00mm	$1\frac{1}{2}''$ $\varnothing$
6	Round Pipe	0.5mm-2.00mm	2'' $\varnothing$
7	Round Pipe	0.5mm-2.00mm	$2\frac{1}{2}''$ $\varnothing$



## PRODUCT USED:

Galvanized iron pipes, hollow box commonly used on steel building strut member, cross bracing , simple column , rafter, it is dipped into zinc for corrosion protection. Galvanized iron pipes commonly used water pipe lines.

GI Pipe is “Galvanized Iron” Pipe. Material MS is mild steel and GI is galvanized steel that has been hot dipped .These days the pipe will likely be made from steel rather than iron.

MS, CR, HR & GI pipes or hollow box commonly used on various types of steel grill, window frame & scaffolding . Mild Steel pipes commonly used stair railing.



Omi Steel & Corrugation Industry Ltd.

## PIPE & TUBE PICTURE'S



# REQUEST FOR QUOTATION

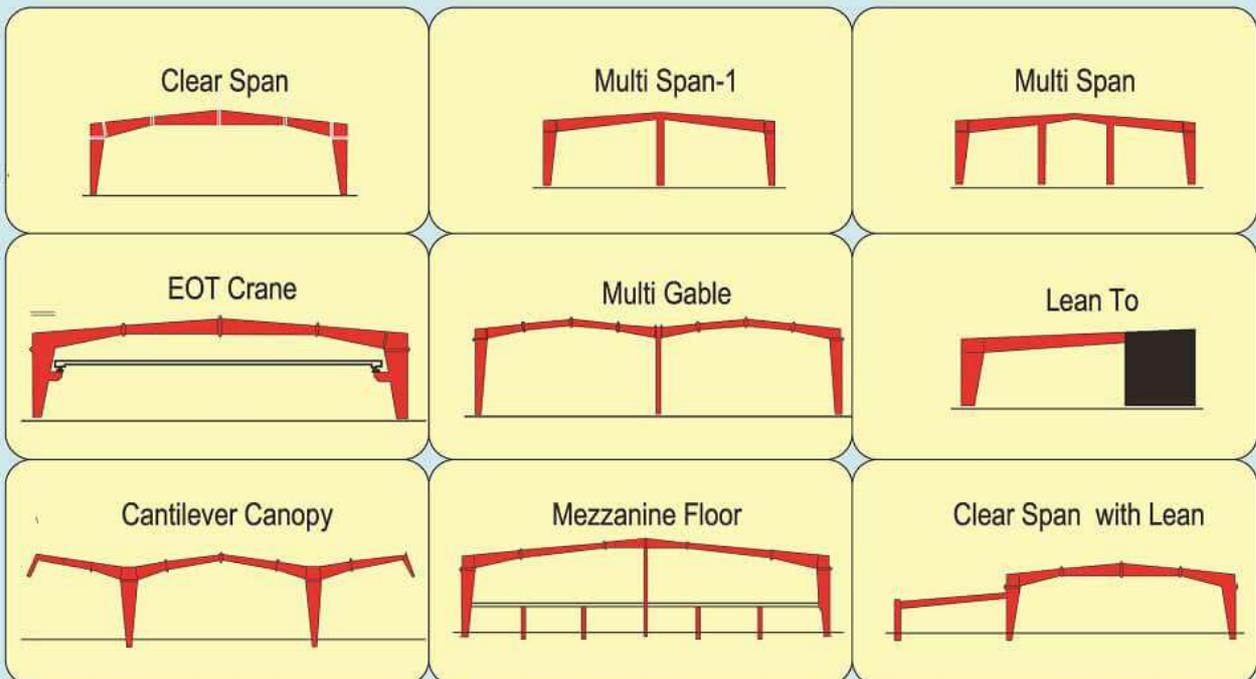
Omi provides details easy to understand quotations, with proposal drawings, to enable you to verify our understanding of your requirements. Fill the form below to request a comprehensive quotation for your Building If necessary Modern might need to contact you to obtain further details of your building. We thank you For giving us the chance to submit a quotation and assure you the best of our attention.

Name:	
Organization:	
Address:	
Mobile & Phone:	Fax:
E-mail :	Web Site:
Site Location:	

## Building Specifications:

Length :	Insulation :
Span / Width :	Gate Canopy :
Clear Height :	Roof Overhang :
Brick wall Height :	Fascia :

## Types of Building:

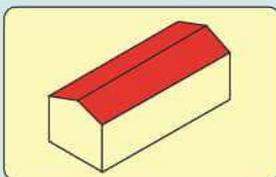


## OTHERS SPECIFY

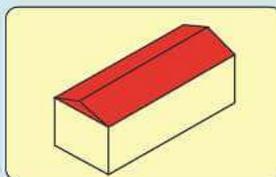
Parameter		Remarks
Type of End Frames	Light Frame	
	Ridge Frame	
Design Load	Live Load: kN/m <sup>2</sup>	
	Collateral Load: kN/m <sup>2</sup>	
	Snow Load: kN/m <sup>2</sup>	
	Wind Speed : Km/h	
Sheet Color	Blue / Green	
	Red	
	Grey White/Off White	
Sheet Thickness	0.47mm	
	0.50mm	
Ventilation(Roof/Wall)	Monitor Roof	
	Ridge Ventilator	
	Turbo Fan	
Louvers	Color Sheet	
	MS Sheet	
Insulation	Poly Foils	
	Bubble Foils	
	Glass-Wool	
Mezzanine Live Load		
When are you planning on building?		

### Cladding Systems (Roofing & Side Cladding):

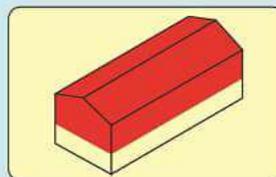
Roof Only ●



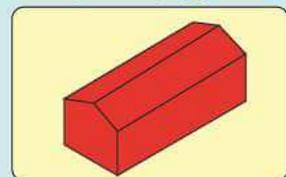
Roof Gable & Triangular ●



Gable & Walls cladding up to M ●



Full Roof, Gable End & Full Height cladding ●



Omi Steel & Corrugation Industry Ltd.

window, louvers, doors and ventilators, please specify in the "More Details Box" Below.

More Details