

PART 1 - GENERAL OF RSS STEEL

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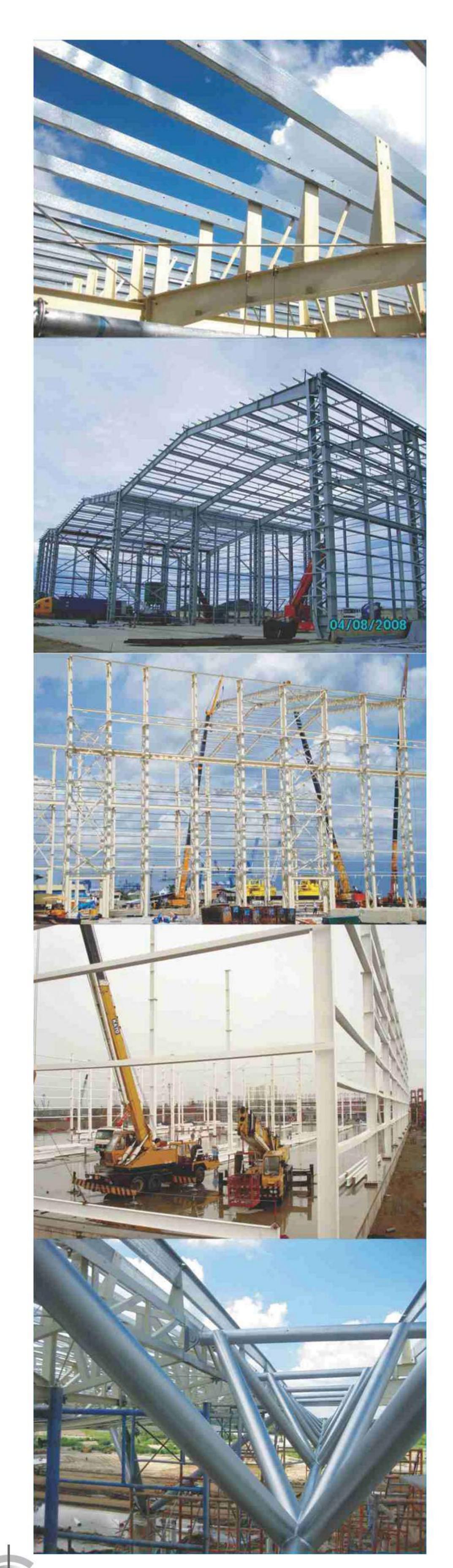
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RSS CO., LTD.

Free Design, Technical Assistance and Site Supervision

RSS Specializes in Design, Manufacture, Supply and Erection of Pre - Engineered Steel Building for projects such as: Industrial Building, heavy Industry building Airport, Terminal Exhibition Center Retail Building, Hydroelectric Plant, Cold-storage, Steel Mill Tower and many Kinds of steel Structure buildings.

Over the years, RSS has earned a reputation for providing Quality & Cost Effective Solution for buildings, manufactured in according to international Standards.

Our office is staffed with qualified engineers and specialized software of design & calculation to provide you with quick response and solution for your projects and comprehensive quotations including proposal drawings and / or approval drawings.

Our factories is equipped with all automatic machines as CNC Cutting, Hydraulic Cutting, Auto welding, Straighter machine, purlin, panel, trim, curved forming and shot blasting, which is capable to produce more than 30,000 MT of primary members per year.

RSS is comitted to being a professional supplier of industrial steel building and on innovative Products, outstanding quality and uncompromising Customer service.

WHY RSS IS YOUR BEST CHOICE?

- Leader in Steel Production
- Aligning production with the INTERNATIONAL STANDARDS
- Environmental Challenge
- Growing Industry.

THE MAIN REASONS

Why RSS is uniquely positioned to be steel building supplier of choice to many companies.

Quality products:

All members of the RSS Producers Association enjoy international Standards Organization certification ISO 9001: 2008 and RSS products enjoy certification of recommendations of many large repeated clients.

Competitive pricing:

Investments in technology provide state of the art production facilities and new production technologies mean that RSS can for quality products at consistently competitive prices.

Experienced & skilled workforce:

Excellent standards of training and education ensure an expert workforce for highest production standards.



Proven Production Capacity to meet growth in future levels of demand - RSS IS OF THE largest producer IN VIETNAM.

Latest technologies - Production techniques integrate world-standard technological practices, such as the world's most productive welding, cutting and blasting machines.

Modern infrastructure - consolidated investments have provided RSS with a world-class infrastructure meaning it can get its steel products faste to market.

Proximity to markets - RSS FACTORIES AND OFFICES position on very close distance of the industrial market means it can respond to demand quickly and on time.

Continued Investments - RSS continues to invest in upgrading, enhancinng and improving production methods and ininnovative products.



RSS FACTORIES





MANUFACTURING FACILITIES







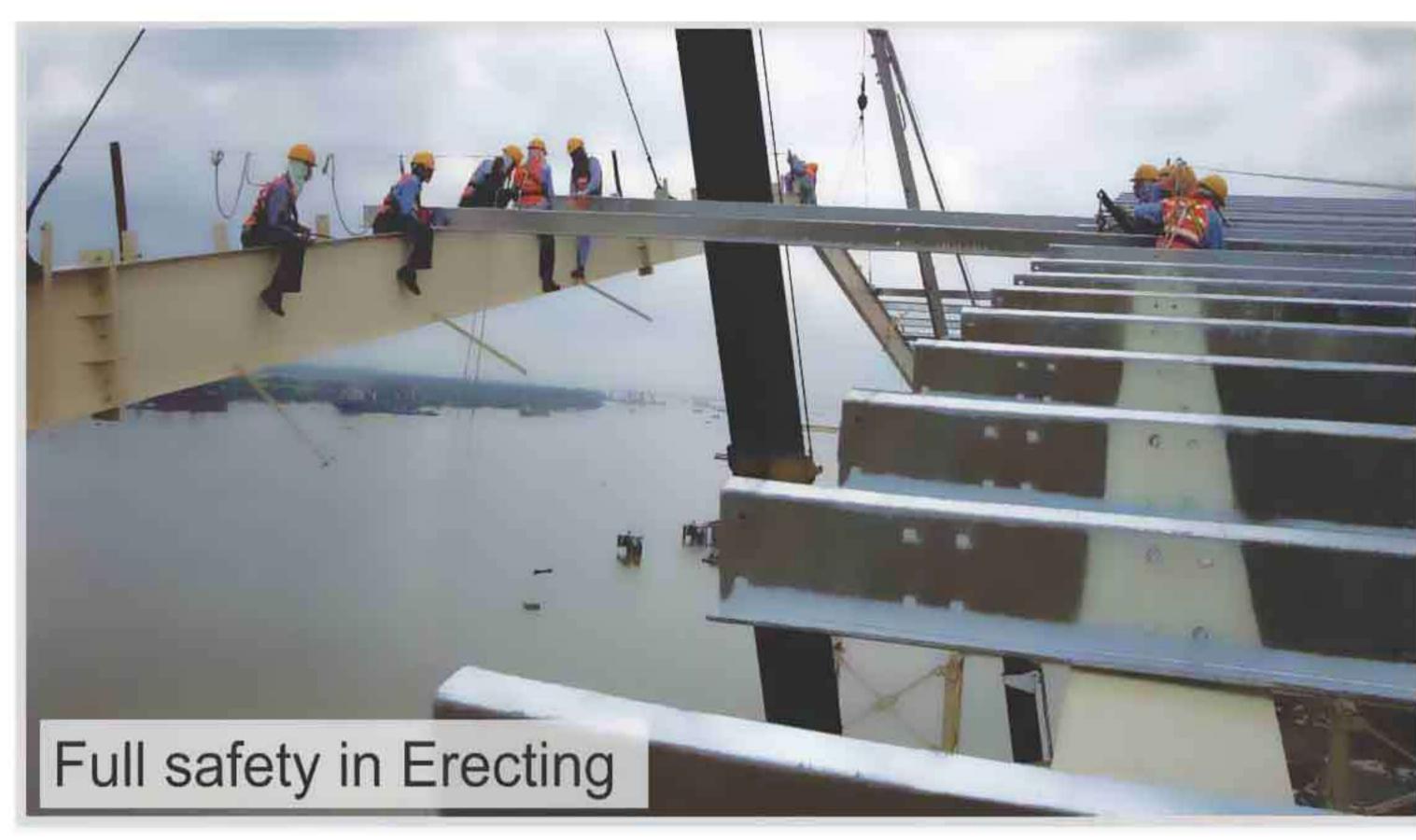


SAFETY SITE PHOTO





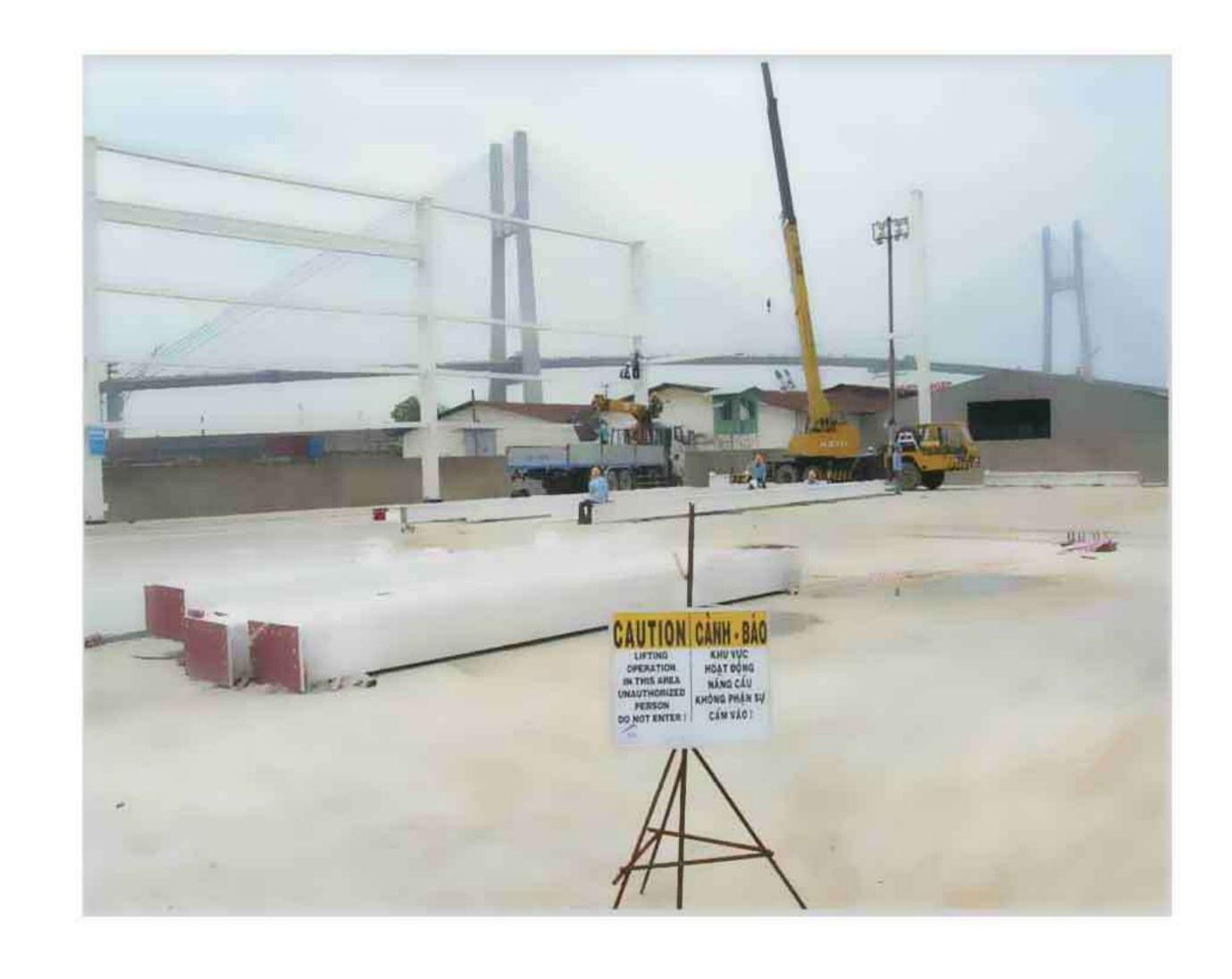






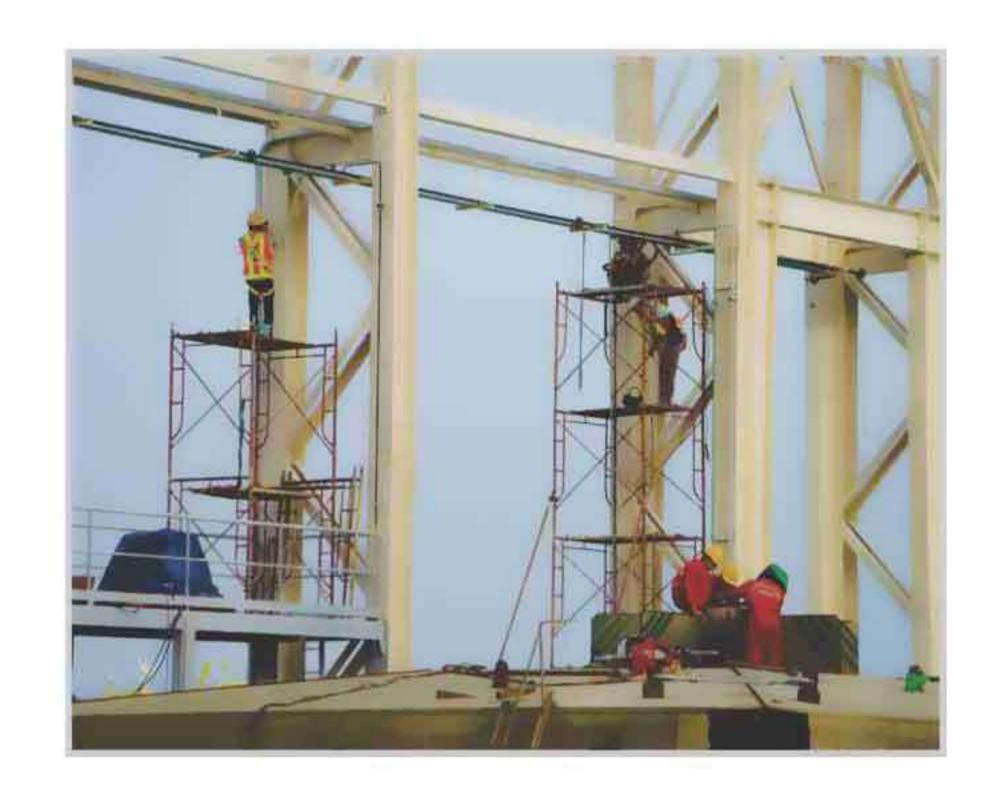












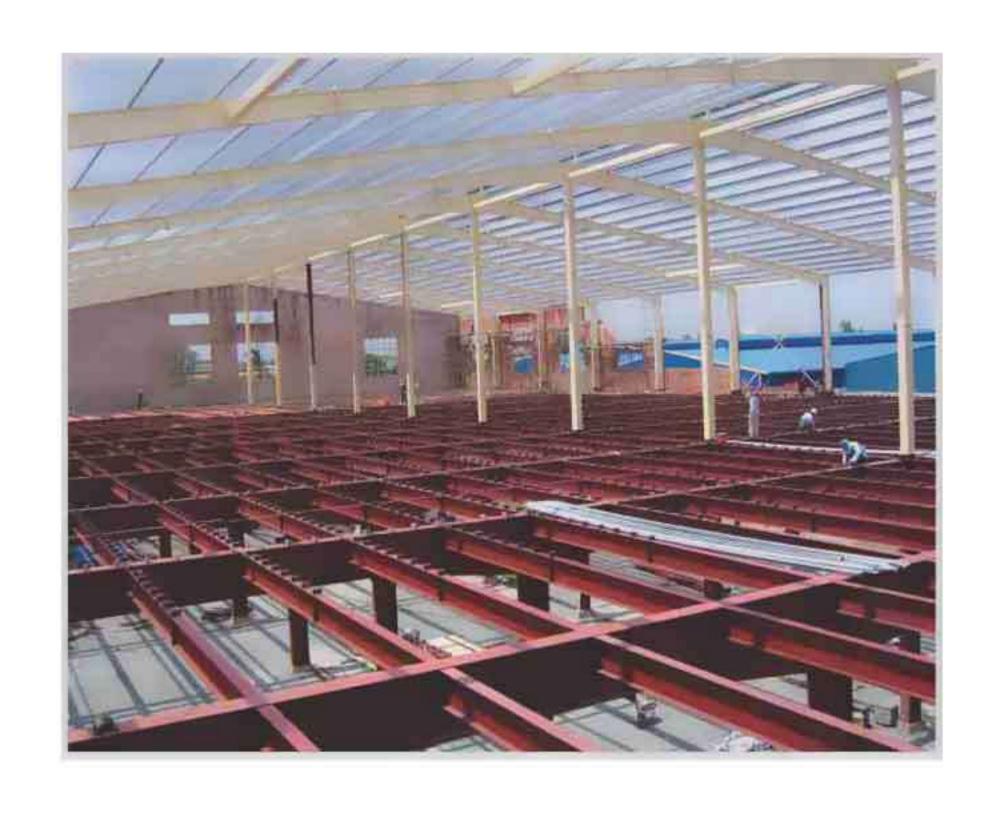












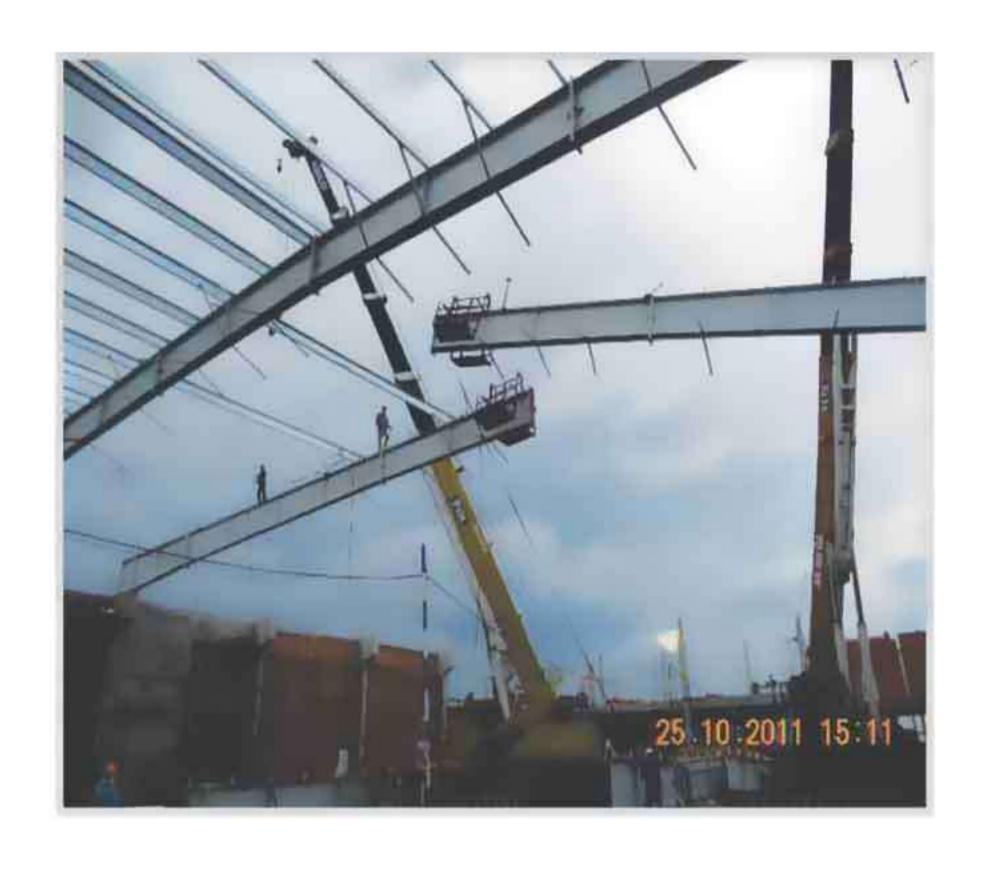
























TOTAL QUALITY SOLUTION

DESIGN - FABRICATION - ERECTION







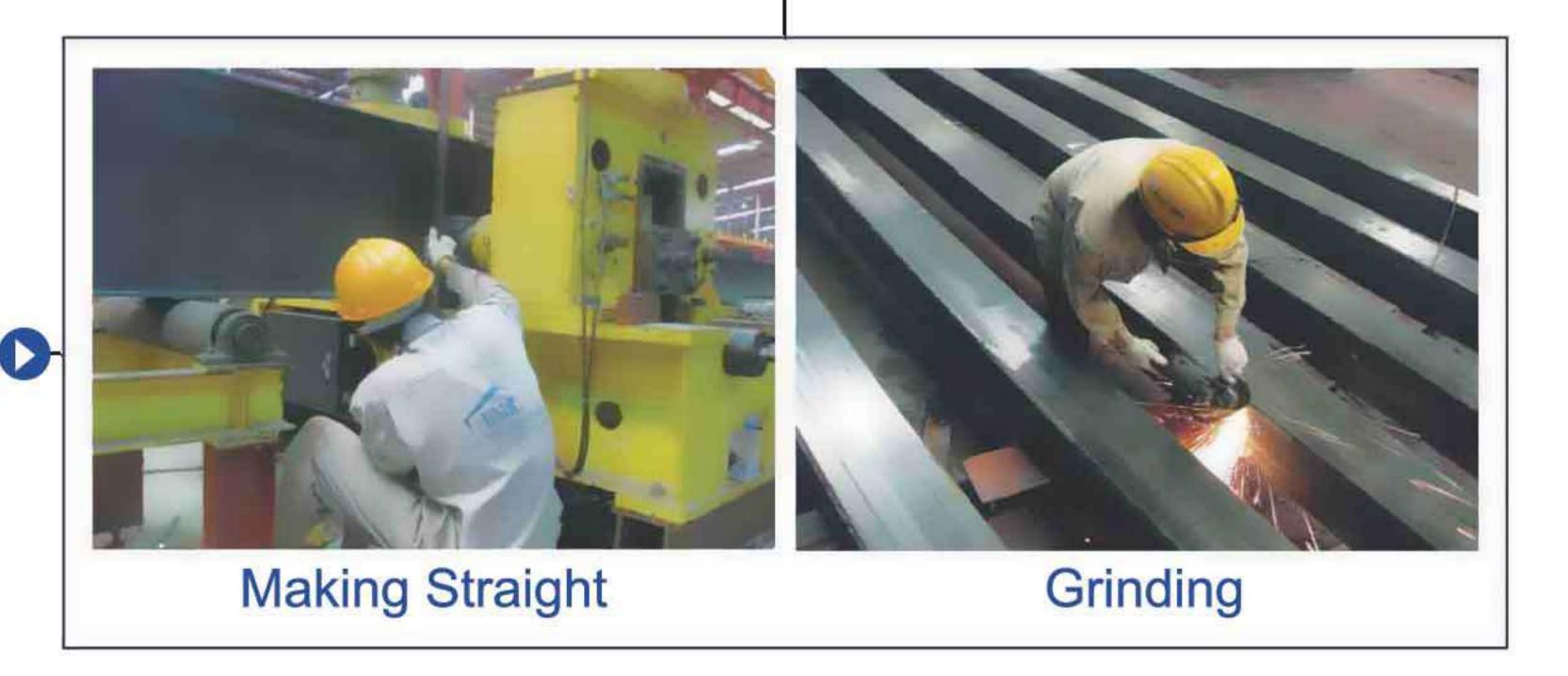
Passed Checking



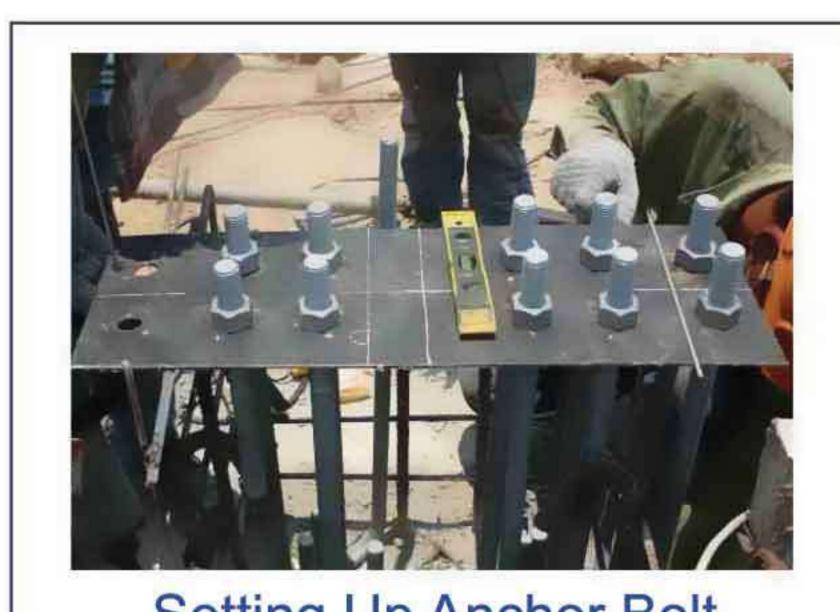
Passed Checking



Passed Checking



ERECTION



Setting Up Anchor Bolt



Passed



Completion

STANDARD CODE APPLIED



(MBMA) Low Rise Building Systems Manual Metal Building Manufacturer's Association, Inc.



(AWS) Structural Welding Code-Steel ANSI/AWS, D1.1-2008, American Welding Society.



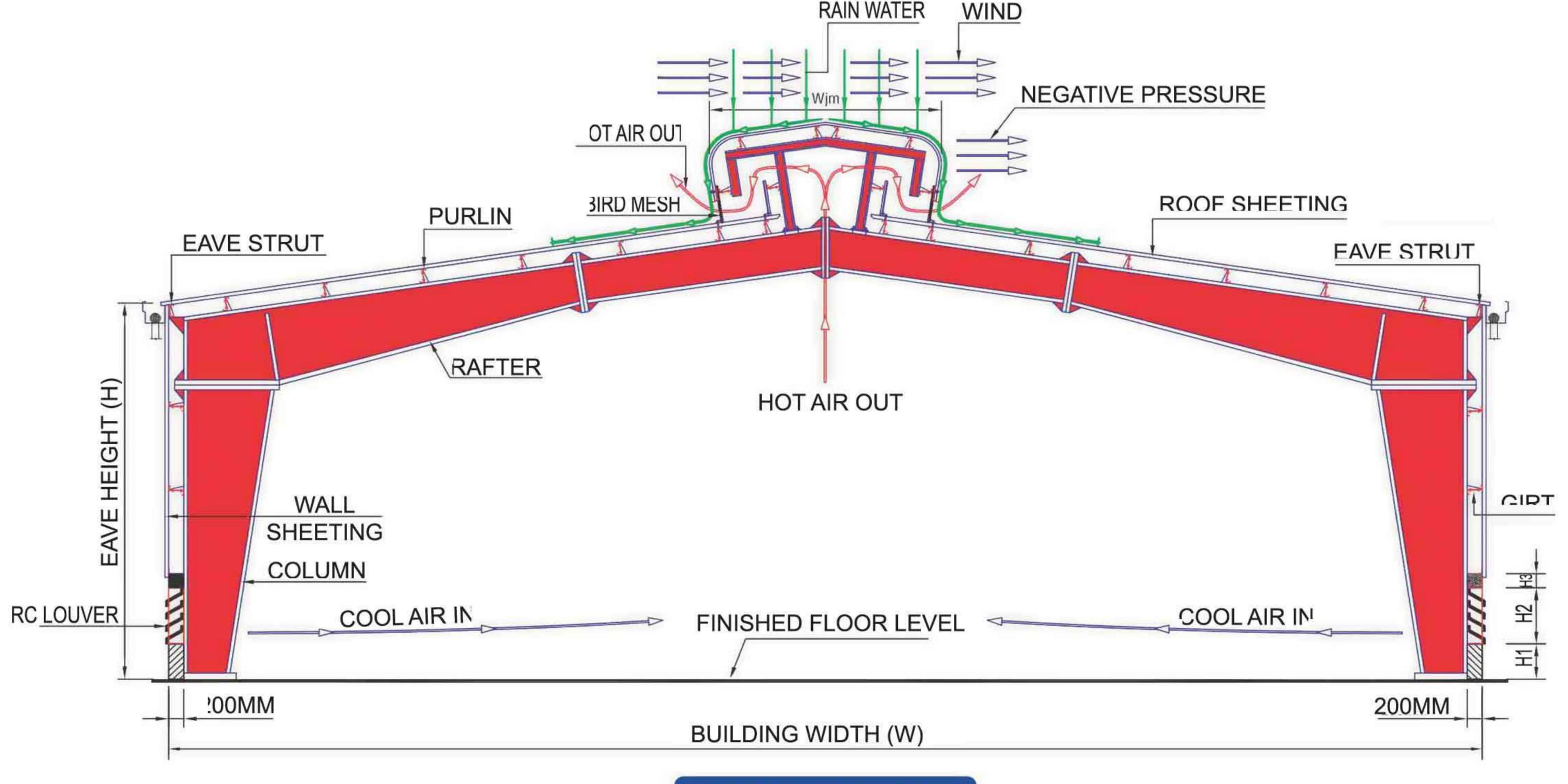
(AISC) Manual of Steel Construction, Allowable Stress Design American Institute of Steel



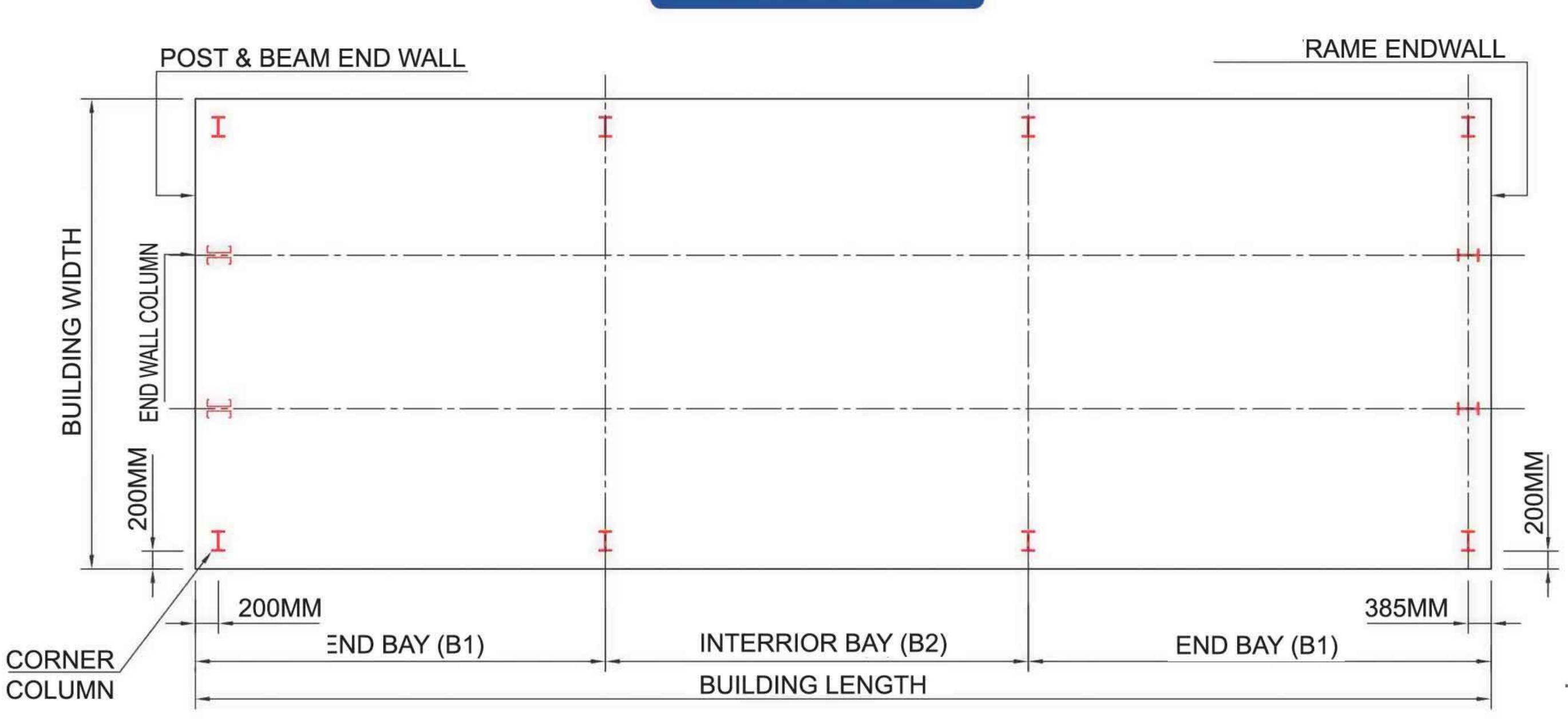
(AISI) Cold Formed Steel
Design Manual American Iron
and Steel Institute

Design Load: unless otherwise specified the pre-engineered buildings are

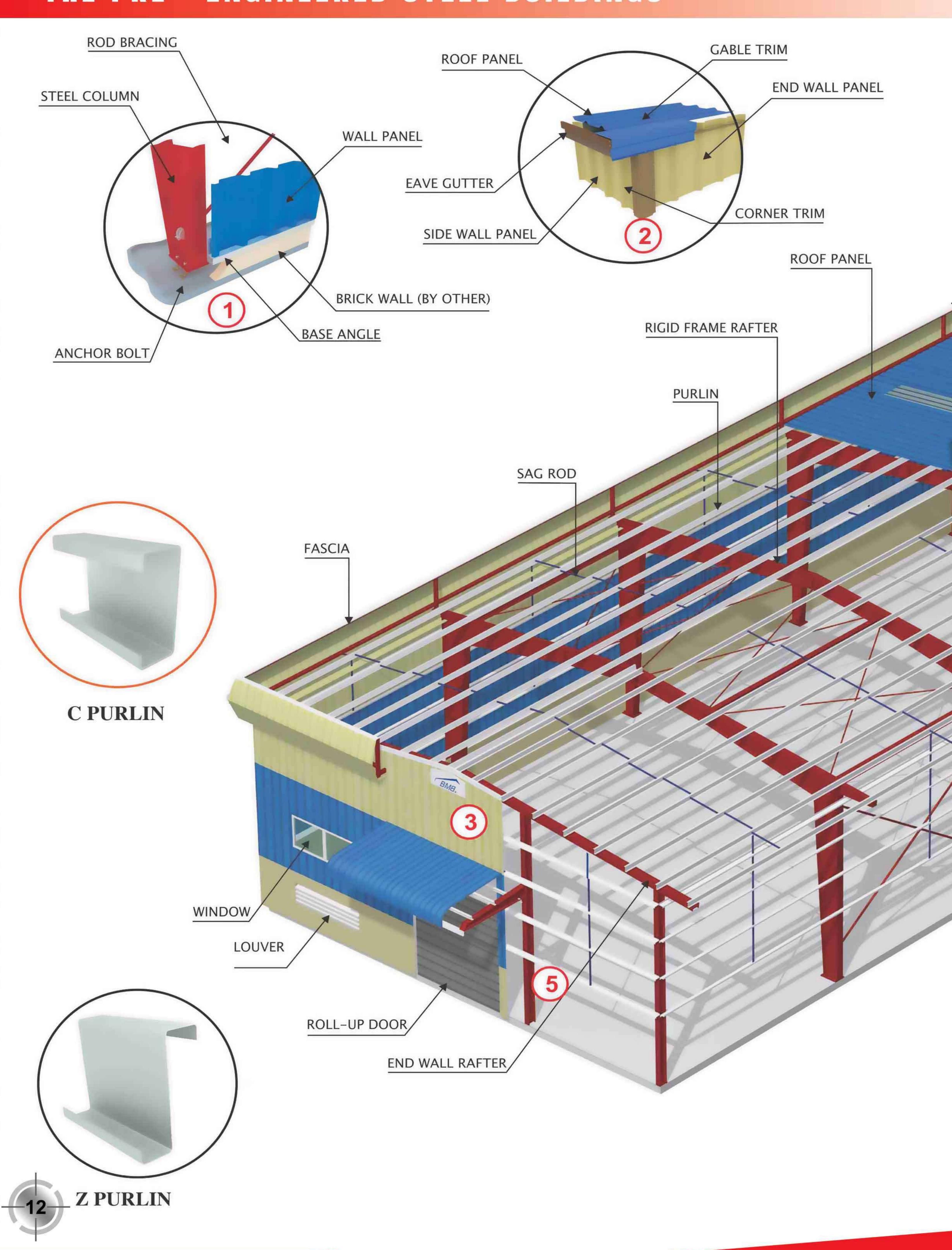
- Live load on roof: 0.57 KN/m²
- Wind load speed: 110/130/140 ... Km/h
- Earthquake load, snow load, collateral loads or any other must be specified in quotation
 - Loads are designed in accordance with the

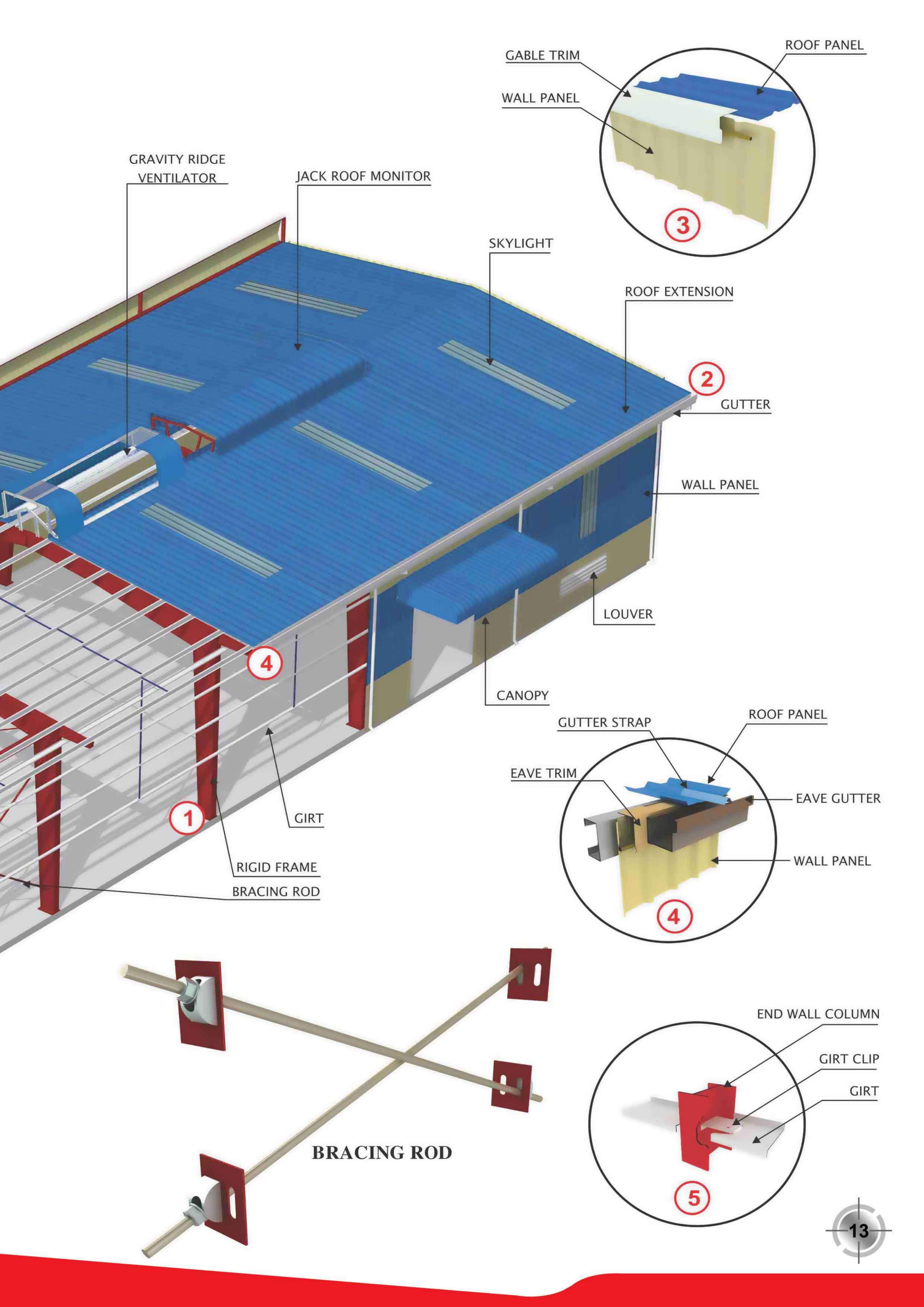


TYPICAL CROSS SECTION



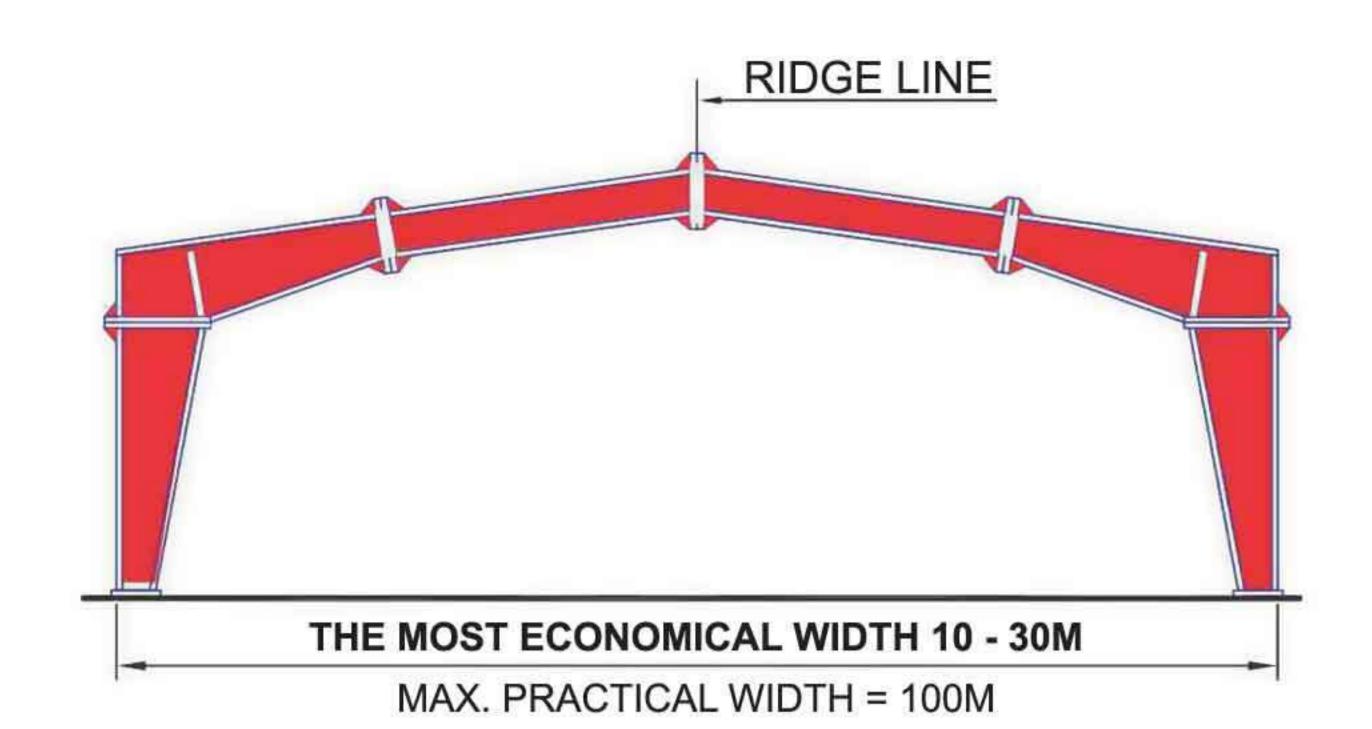
THE PRE - ENGINEERED STEEL BUILDINGS



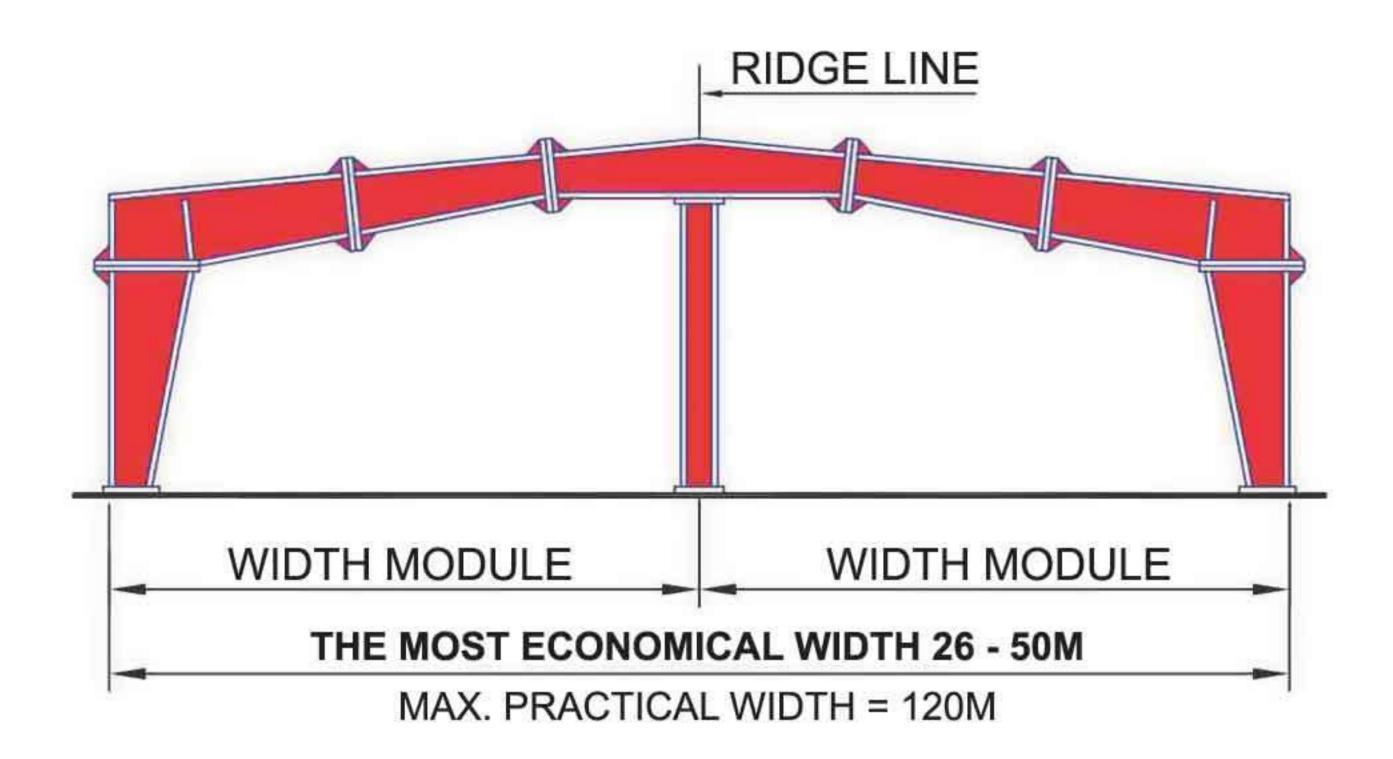


MAIN FRAME TYPES

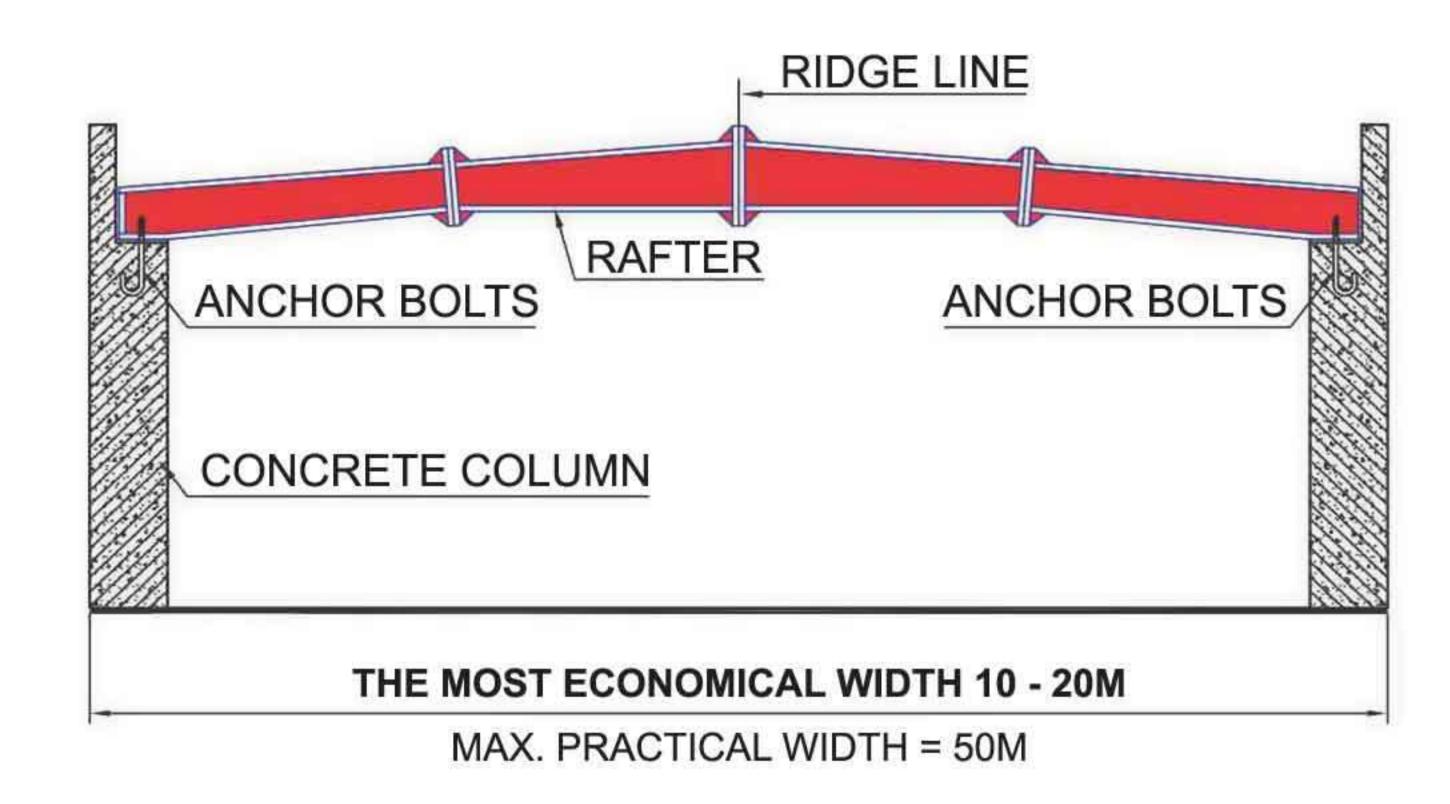
RSS recommends the most economical building width ranges:



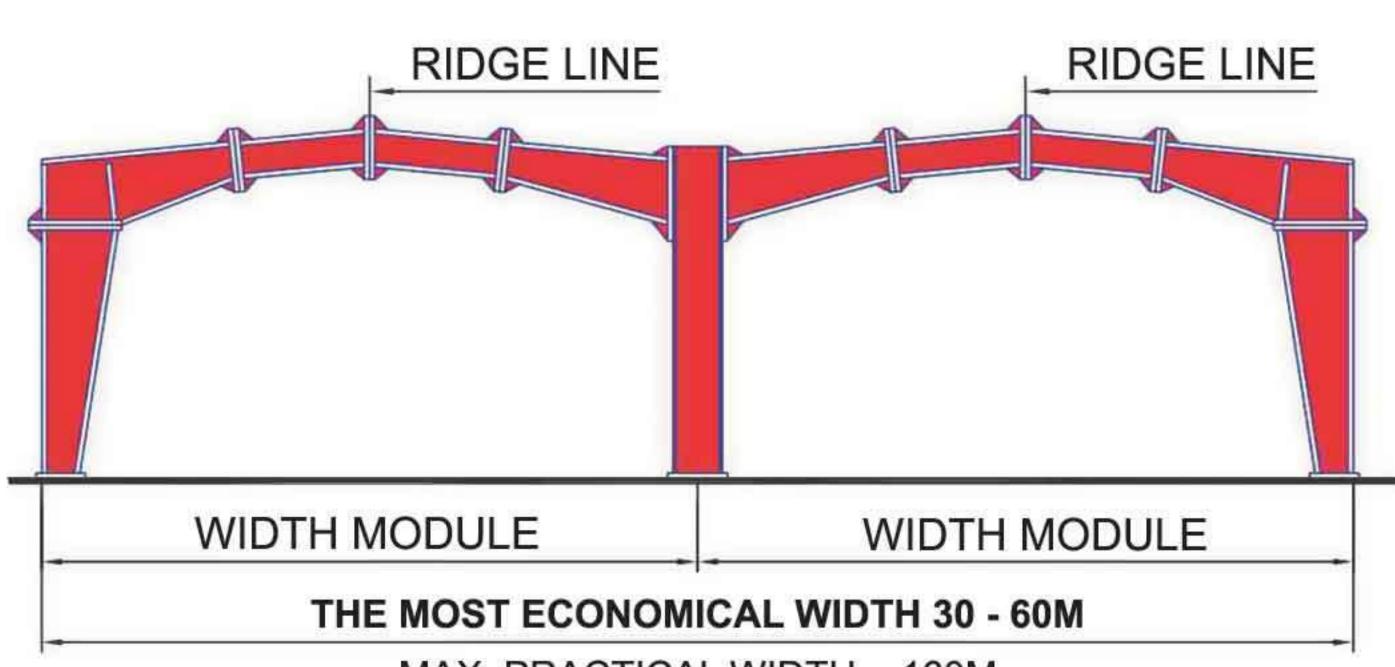
CLEAR SPAN



MULTI-SPAN "1"



ROOF SYSTEM RELEASED JOINT

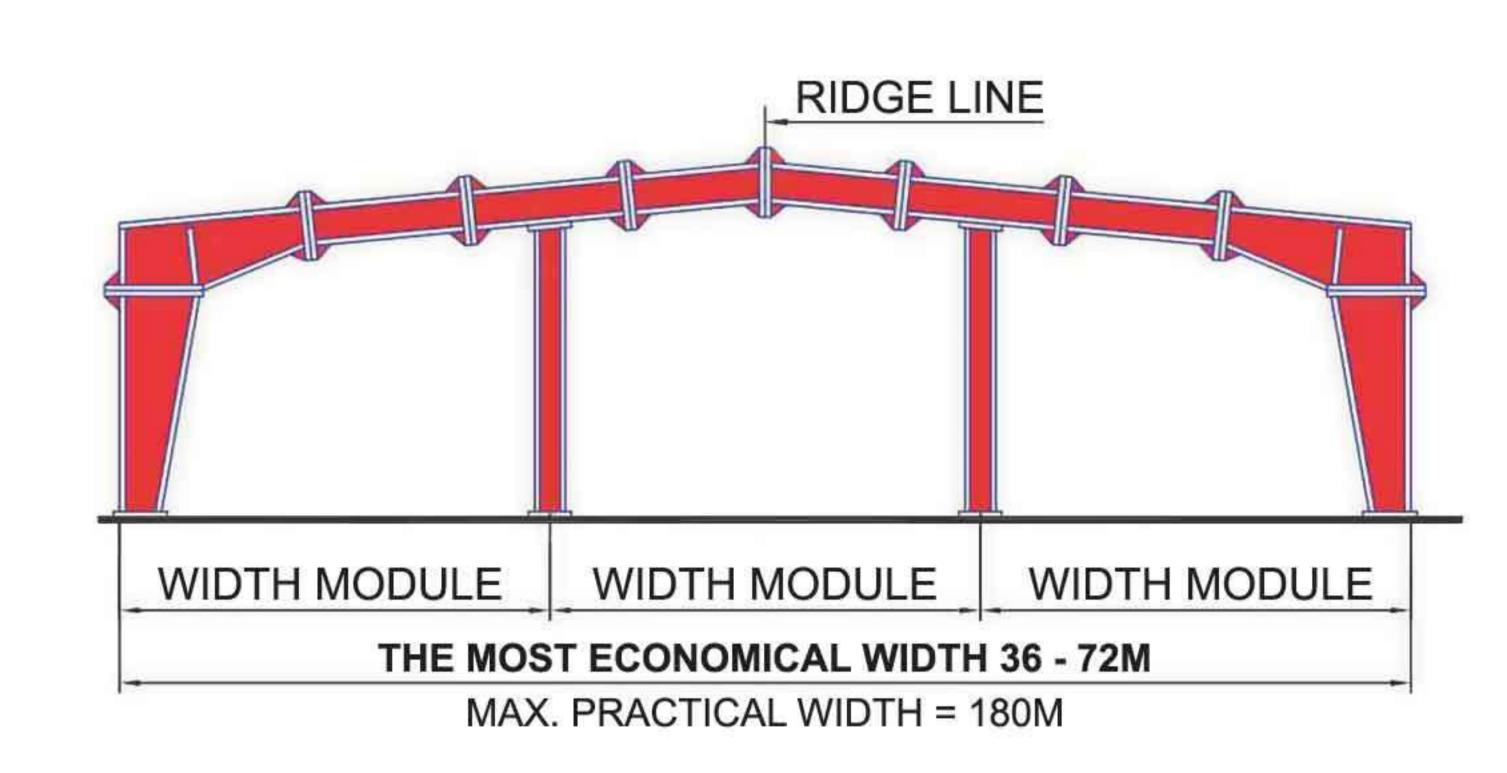


MAX. PRACTICAL WIDTH = 160M

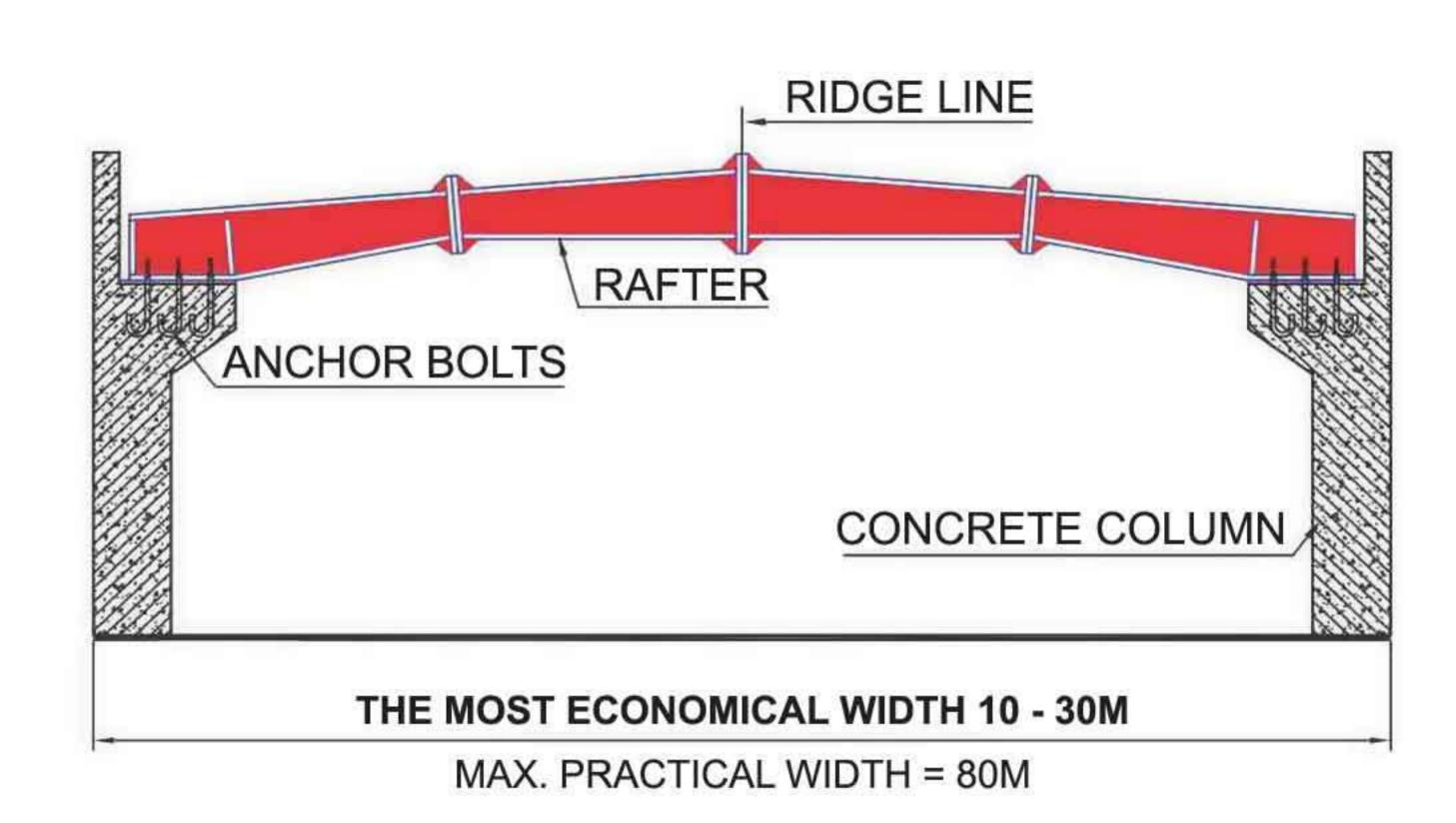
THE MOST ECONOMICAL WIDTH 6 - 15M

MAX. PRACTICAL WIDTH = 50M

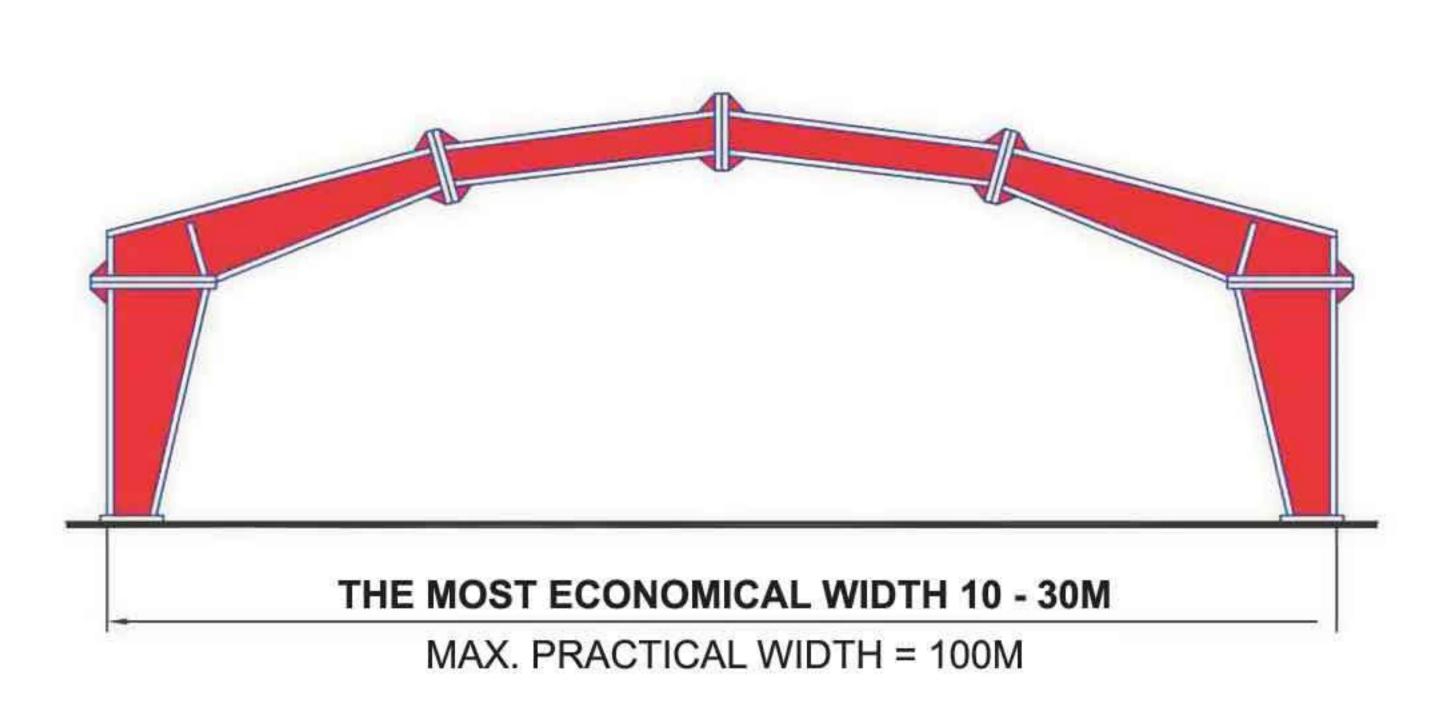
SINGLE SLOPE



MULTI-SPAN "2"



ROOF SYSTEM FIXED JOINT

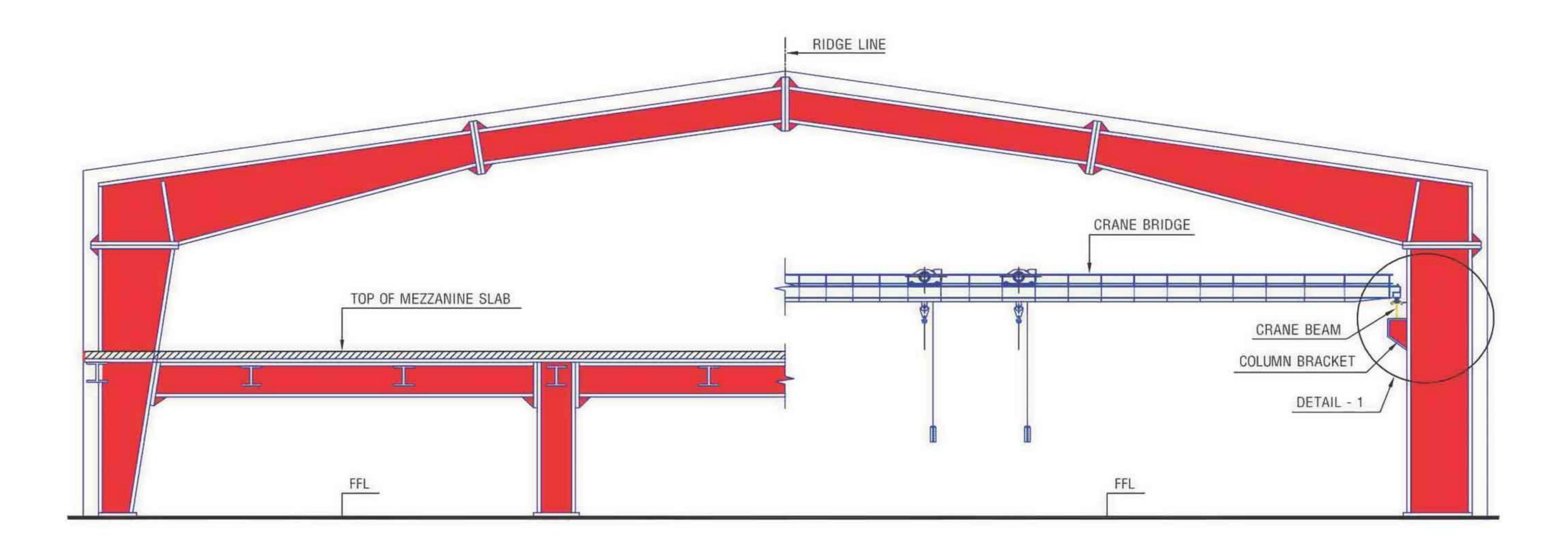


CURVED RAFTER

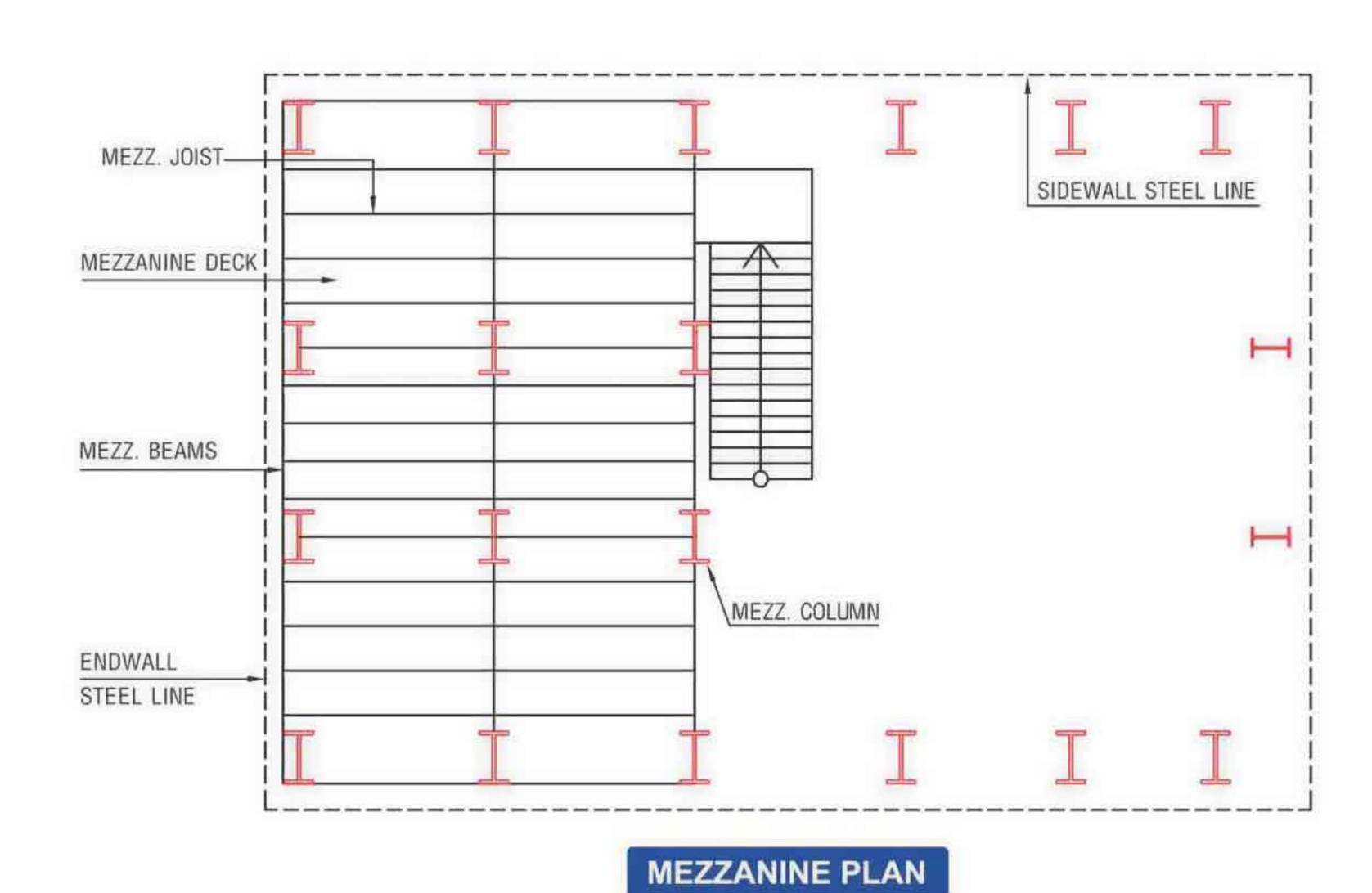


MULTI-GABLE

STRUCTURE DETAILS







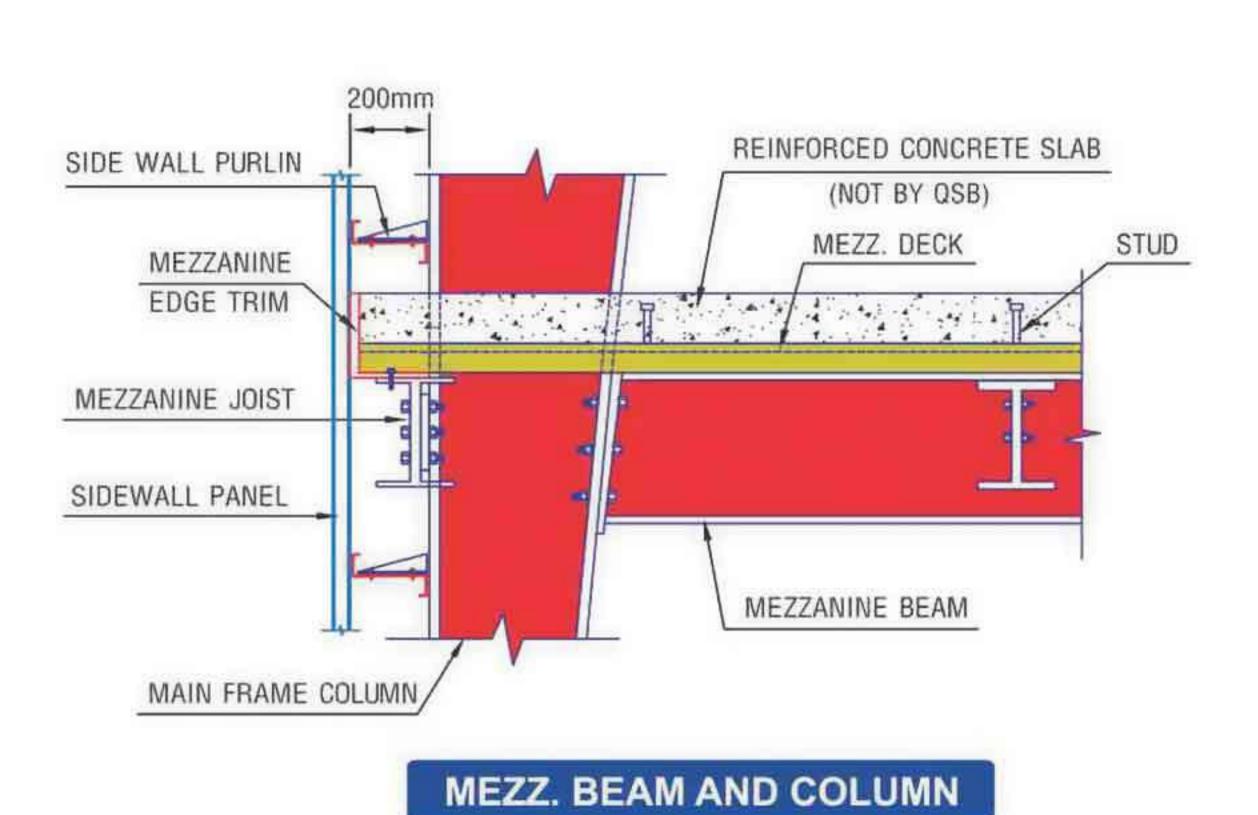
COLUMN DEPTH

VARIES

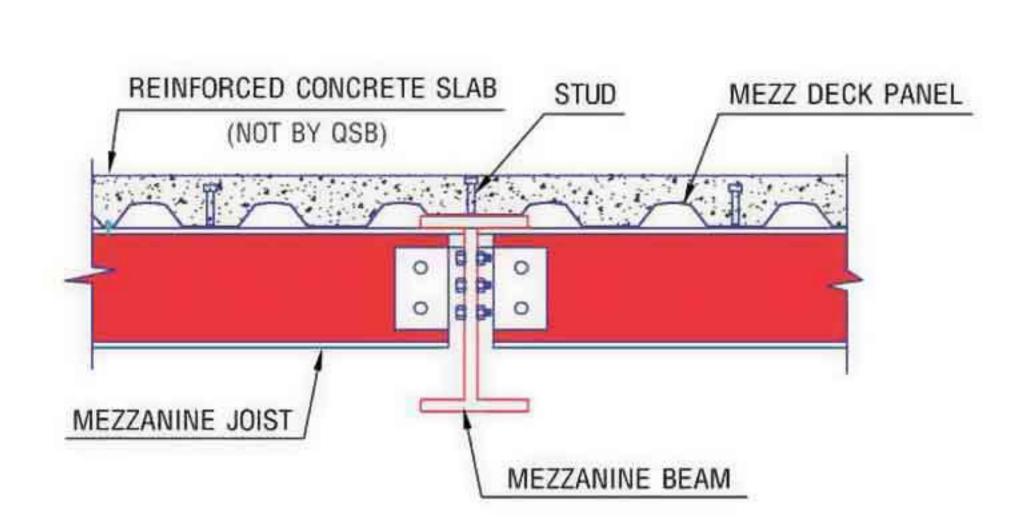
CRANE RAIL

(NOT BY QSB)

CAP CHANNEL



STEEL PACKS ANGLE BRACE (TYP) 150

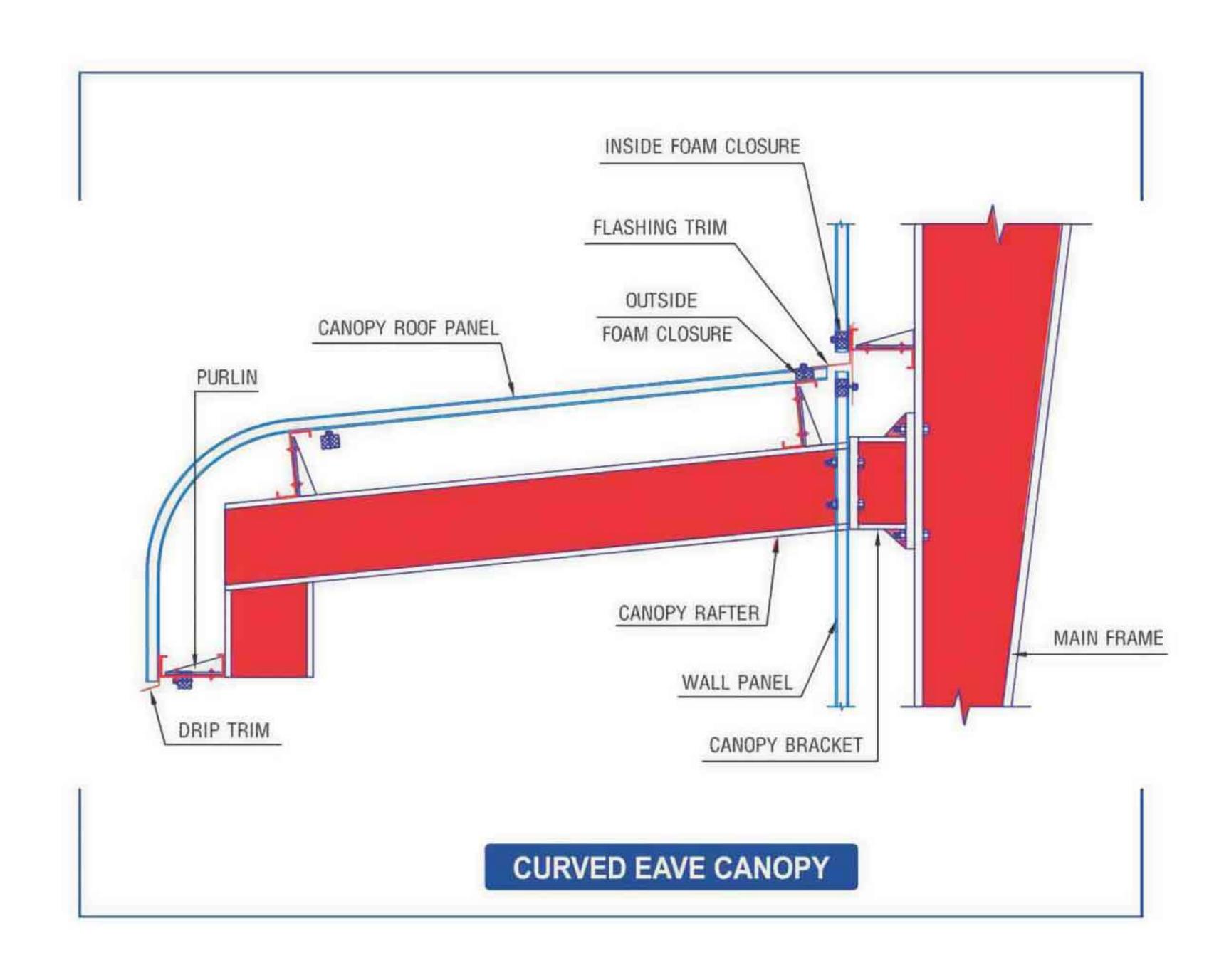


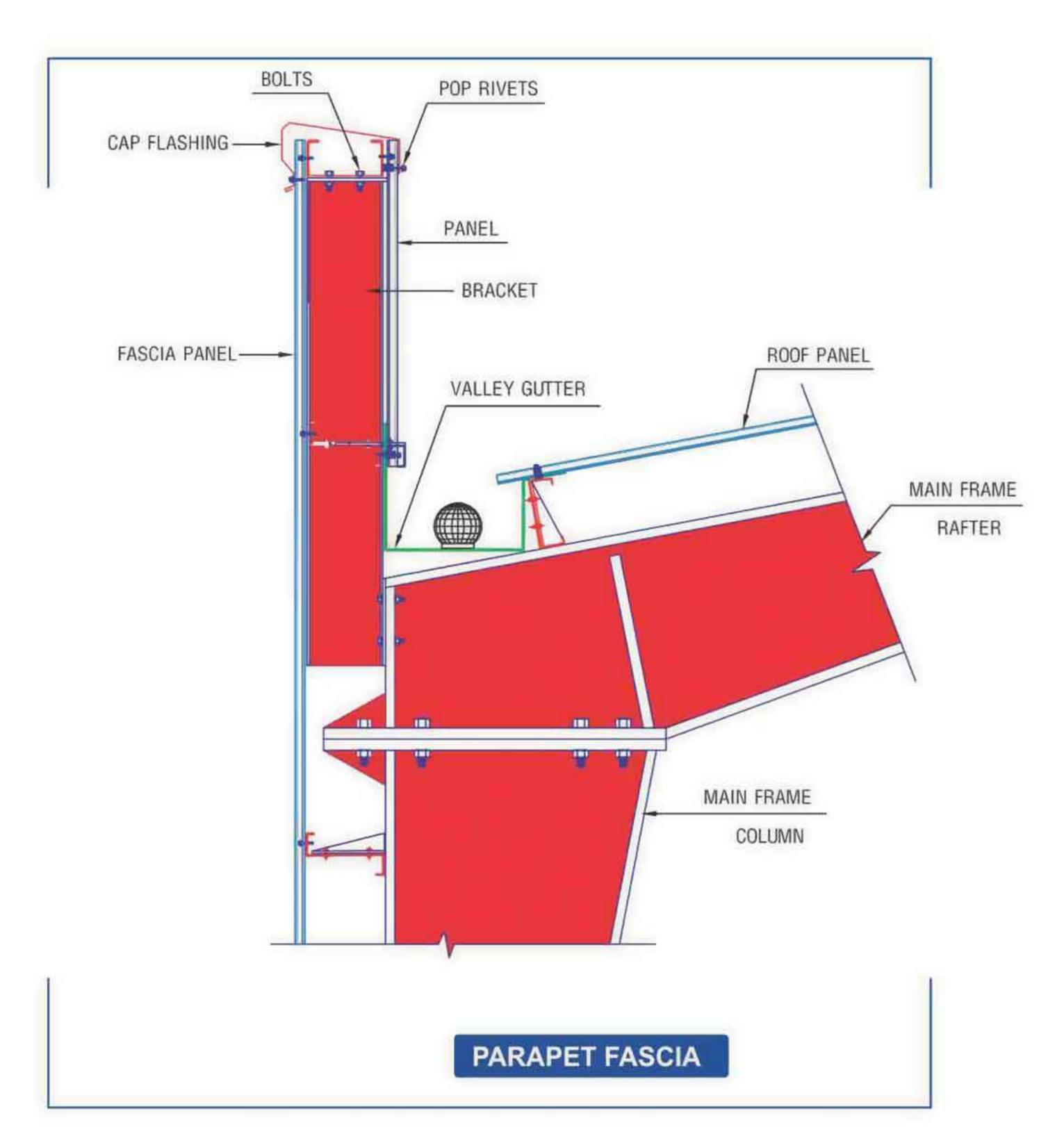
(NOT BY QSB) CRANE BEAM SLOTTED HOLES IN BRACKET TOP FLANGE COLUMN WEB STIFFENERS BRACKET WEB STIFFENER CRANE BEAM BRACKET RIGID FRAME COLUMN

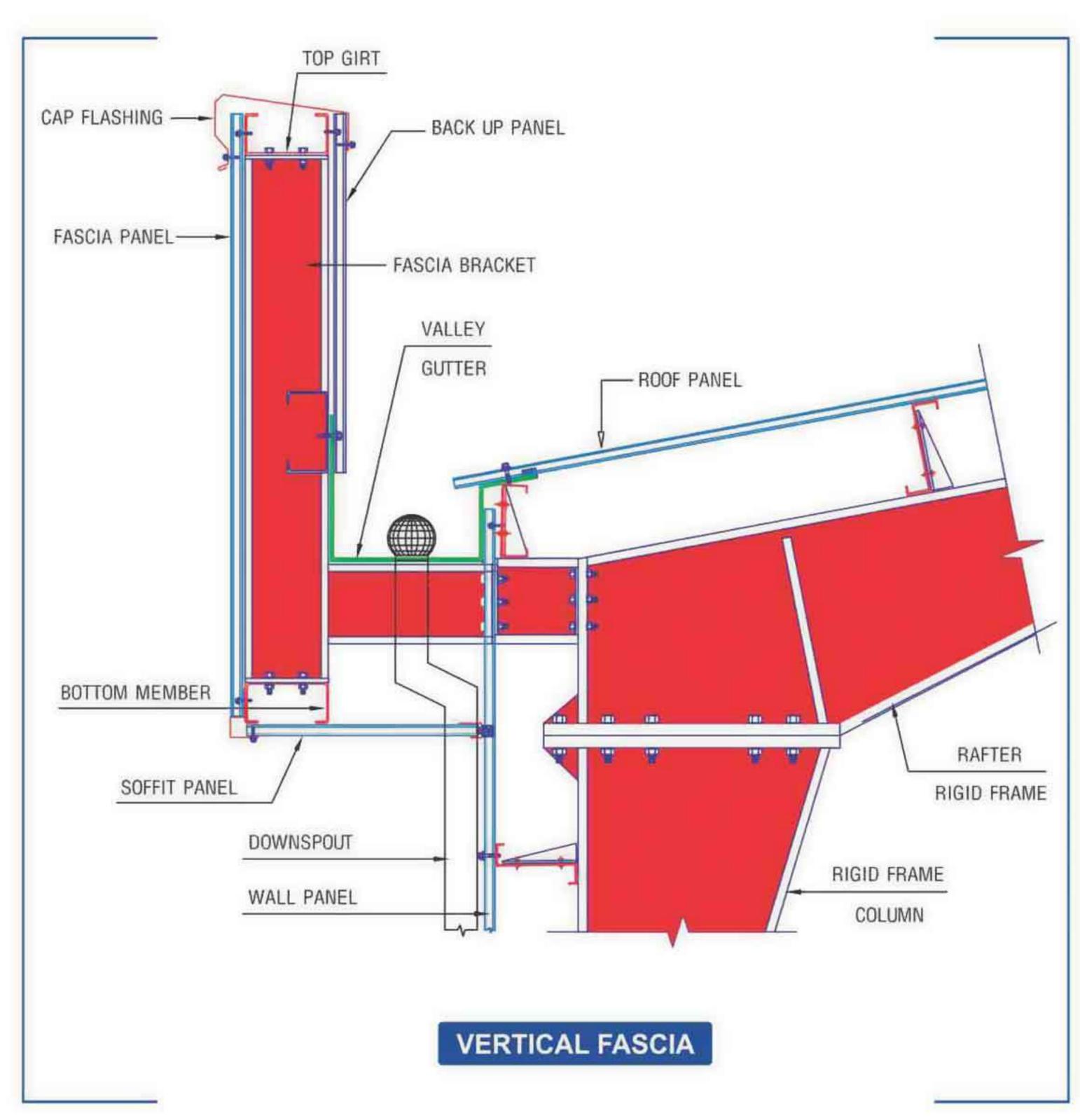
JOIST AND BEAM

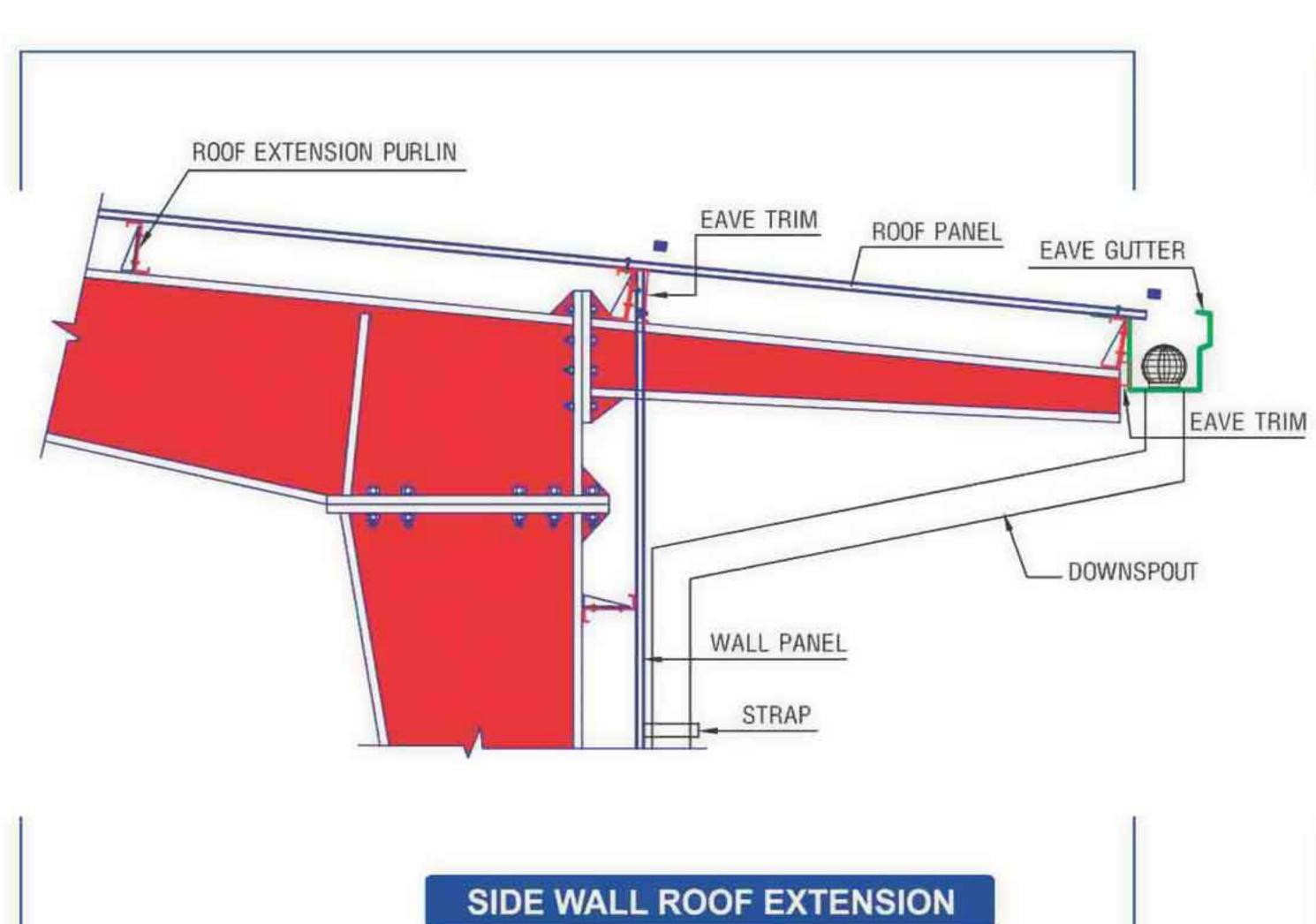
DETAIL - 1: CRANE BEAM AND BRACKET

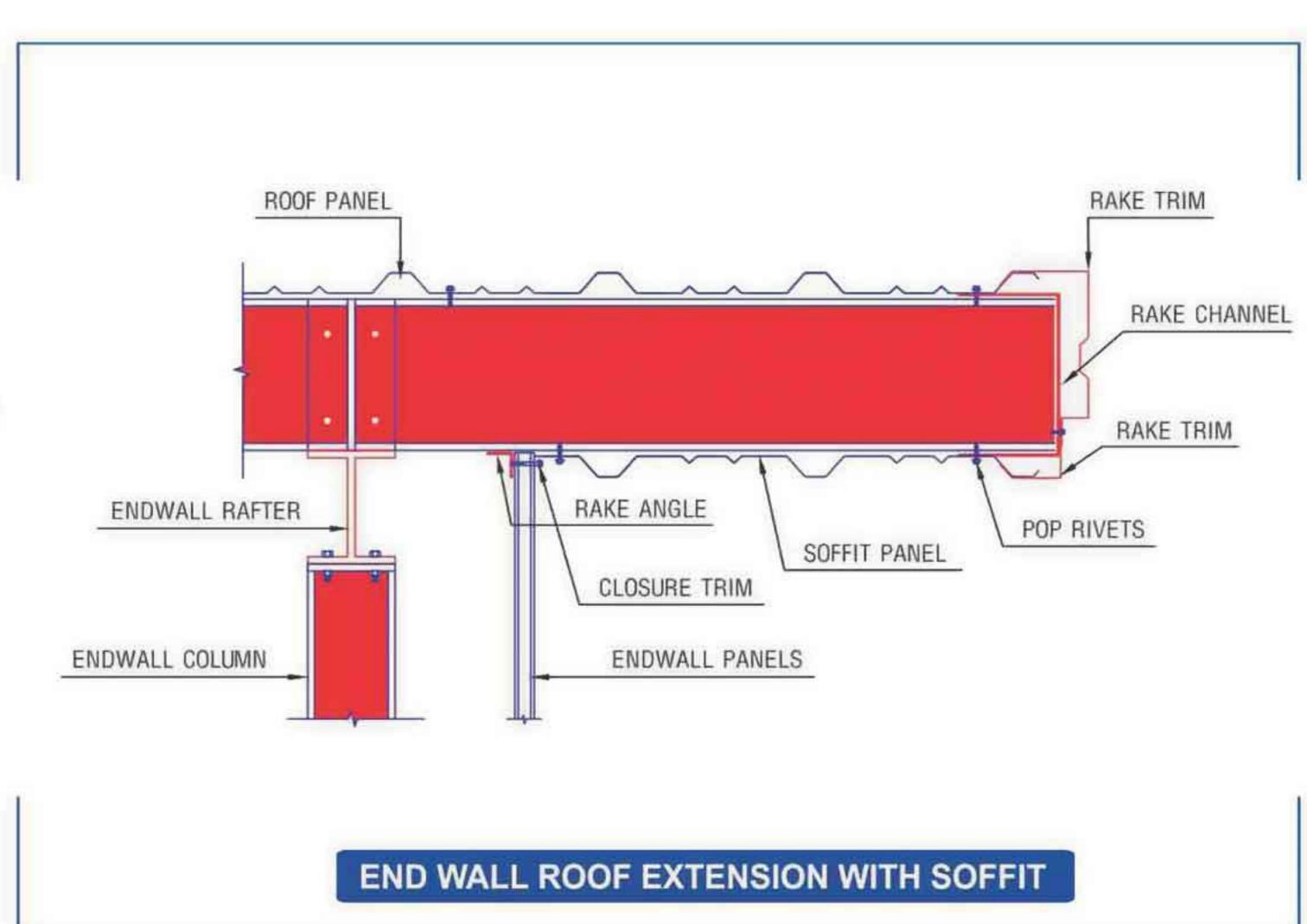




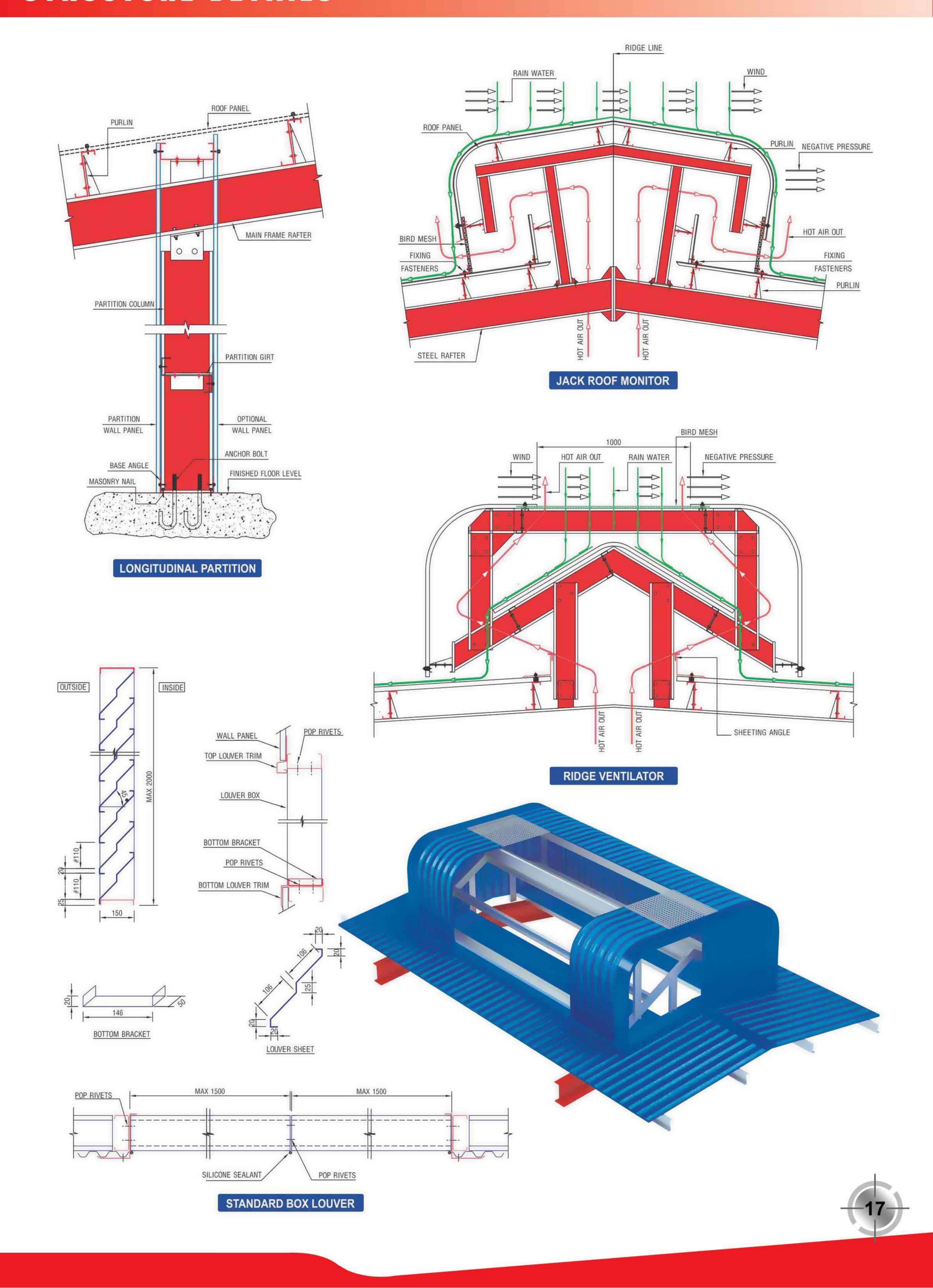








STRUCTURE DETAILS



STANDARD ACCESSORIES



SHUTTER DOOR



ROLLER DOOR



LOUVER & PILOT WINDOW



ROOF SKYLIGHT



WALL SKYLIGHT



CAT LADDER



PIPE RACK & STAIRCASE



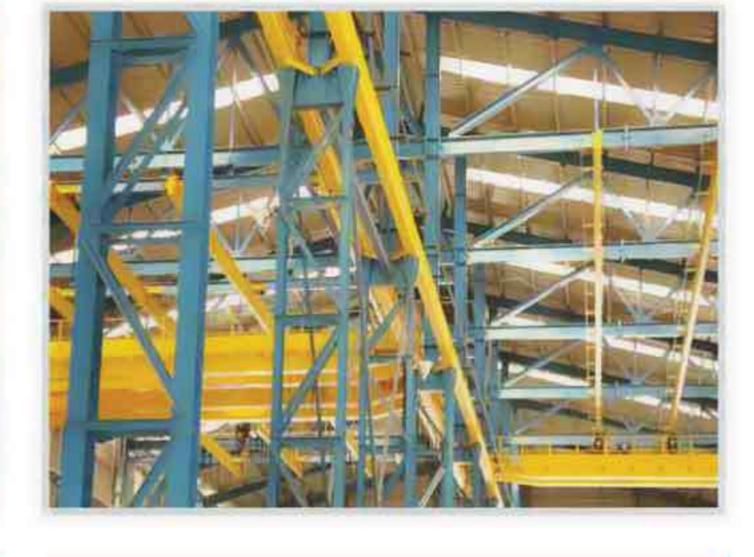
CELLING SUPPORT



HANGING SUPPORT



CONVEYOR STRUCTURE



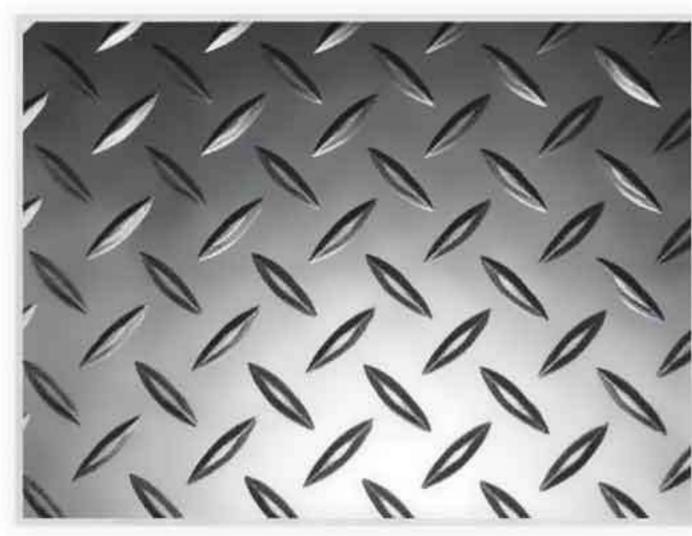
RUNWAY OF CRANE



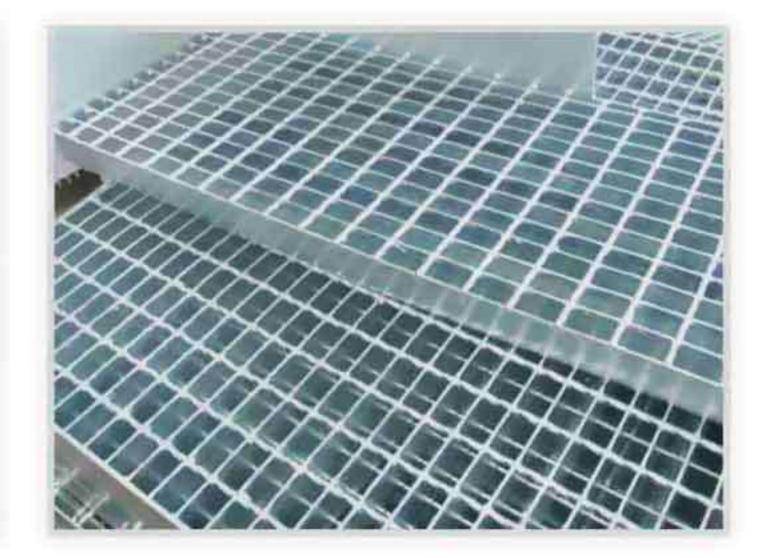
COMPOSITE BEAM



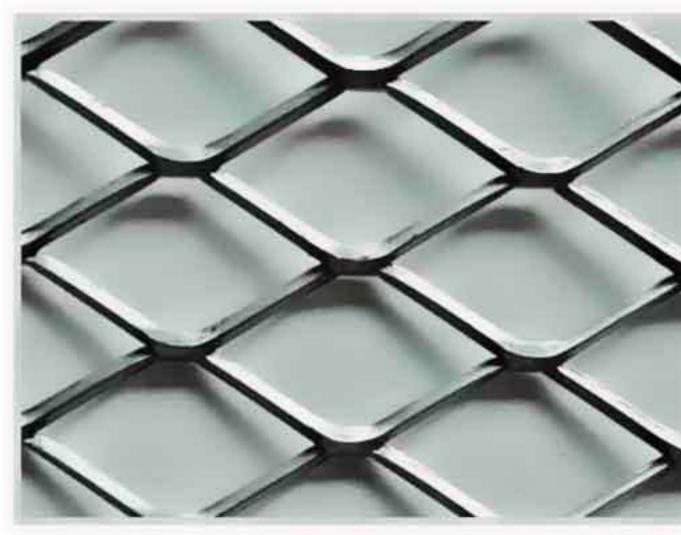
COMPOSITE DECKING



CHECKER PLATE



STEEL GRATING



EXPANDED METAL



STRUSS JACK BEAM



HANGAR DOOR



PARTITION



SUPER DECK



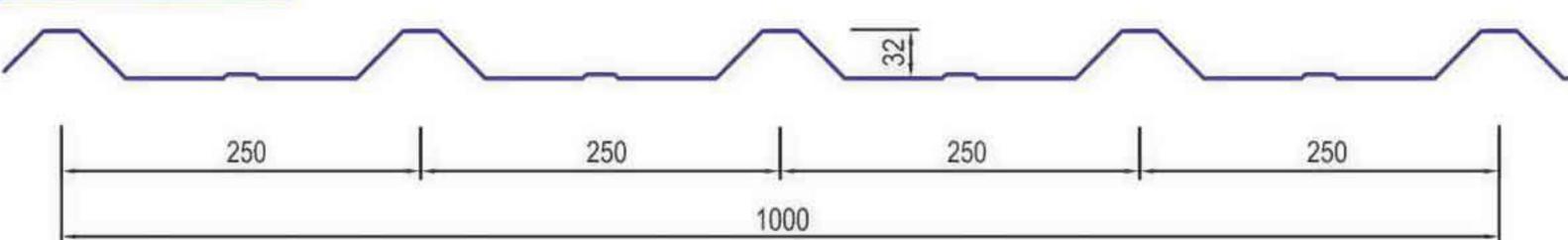
PANEL PROFILES

ROOF PANEL: Zinc - Alume alloy coated sheet, which has superior corrosion resistance and long life.

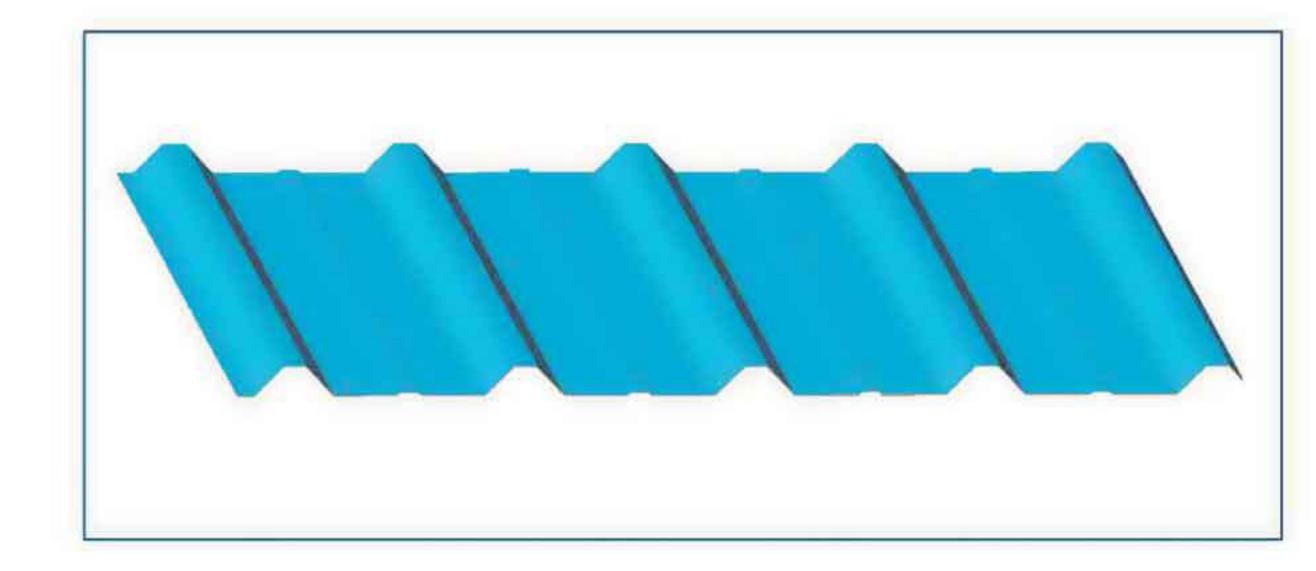
WALL PANEL: Pre - painted Zinc - Alume alloy coated steel sheet, which is not only good corrosion resistance

but also good decoration as well.

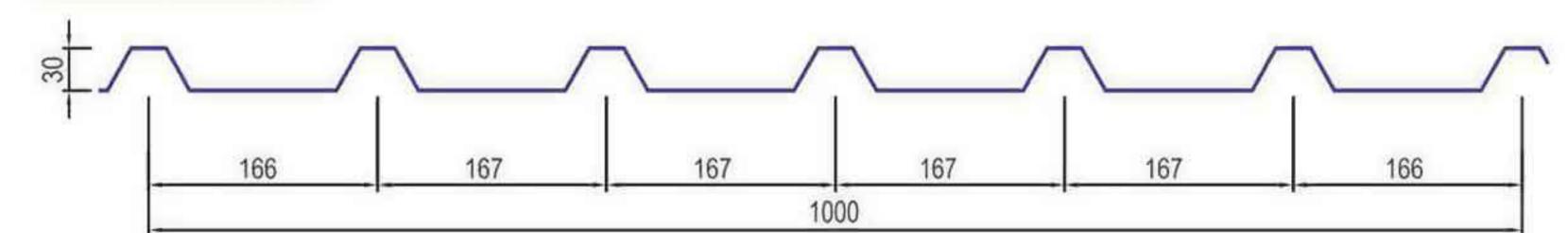




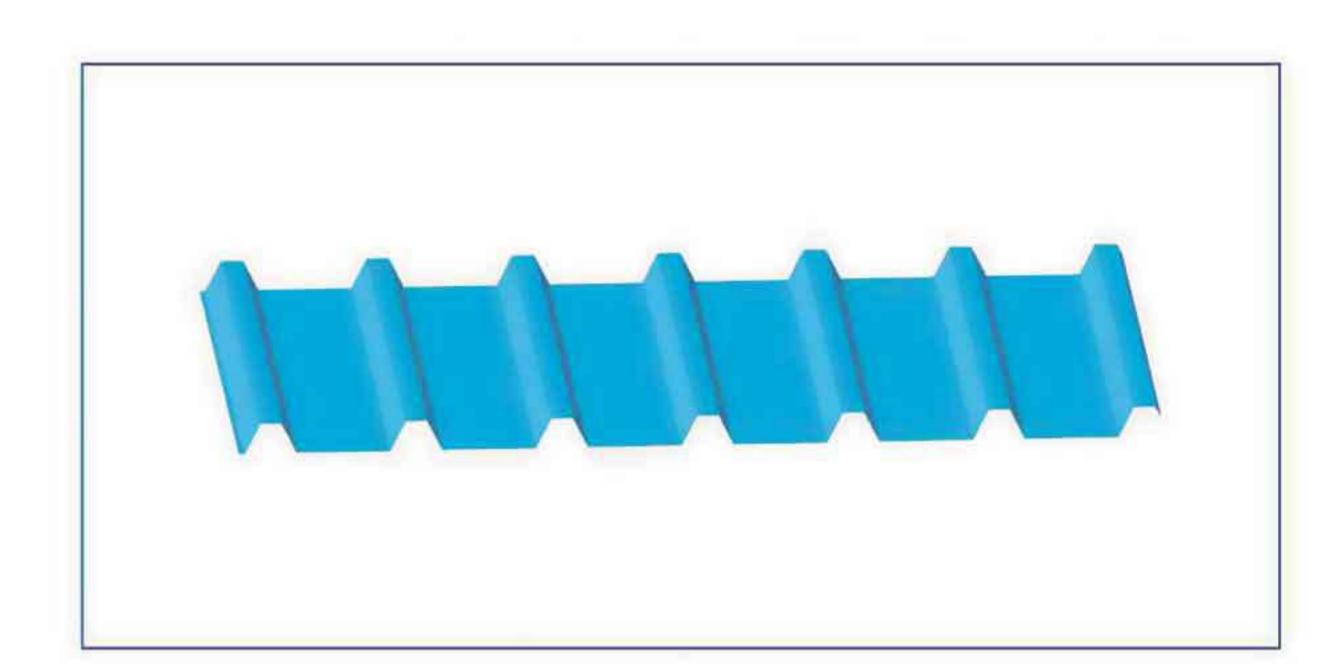
Advantages: Being one of the most popular profile; Easy to install; High ribs; Suitable for roofing, Strong wind areas; Low slope up to 10%



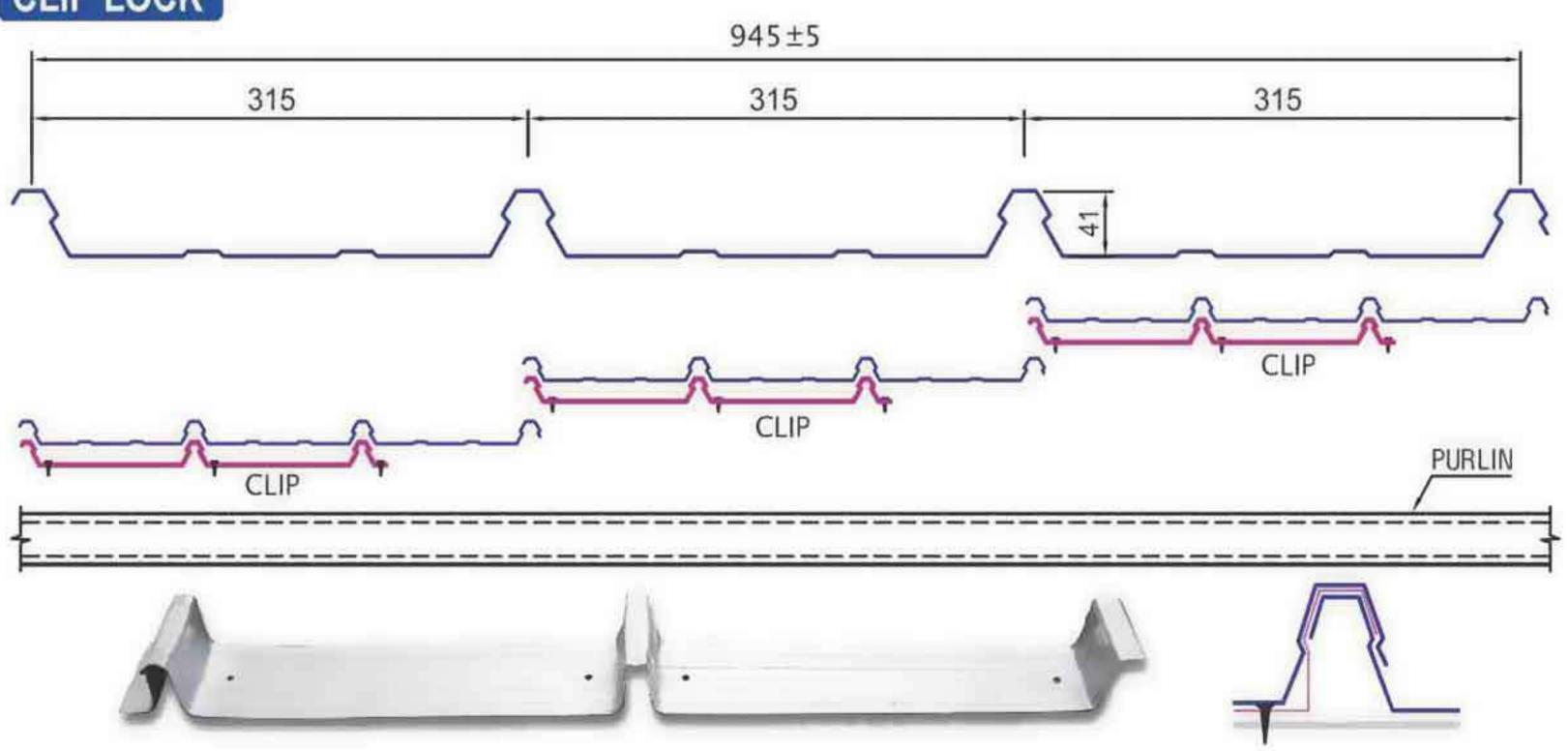
7 RIBS PROFILE



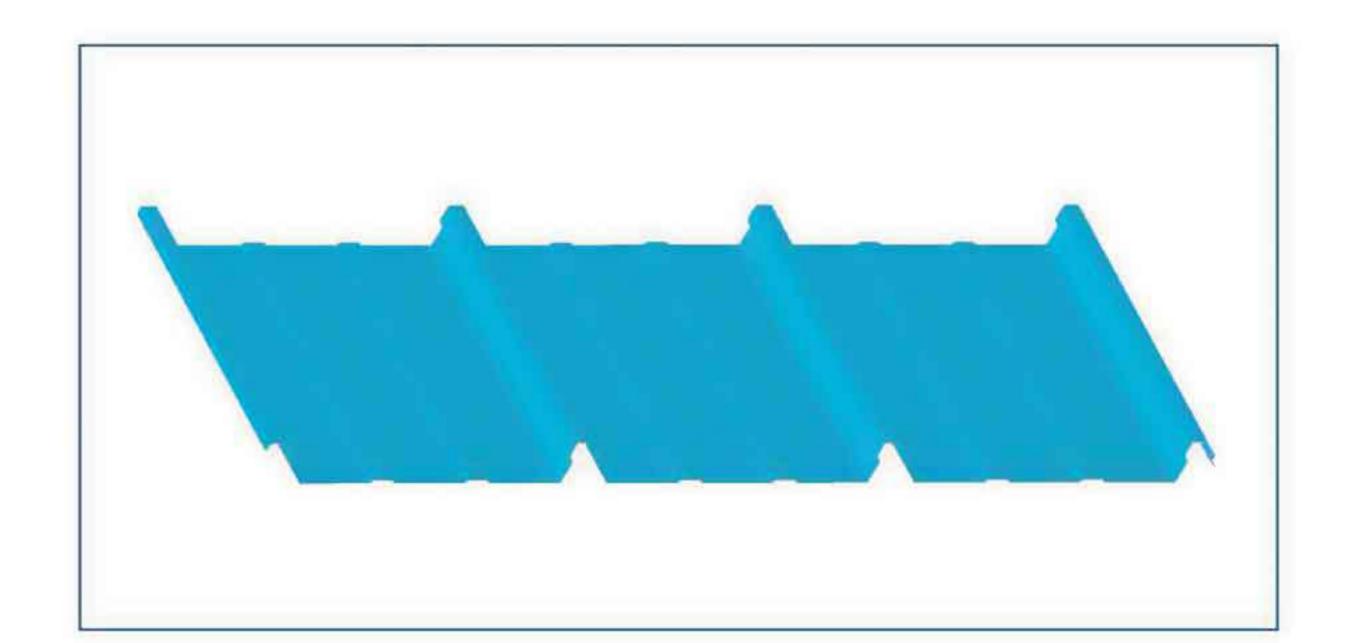
Advantages: It is Excellent for decoration; Easy to install; Suitable for walling



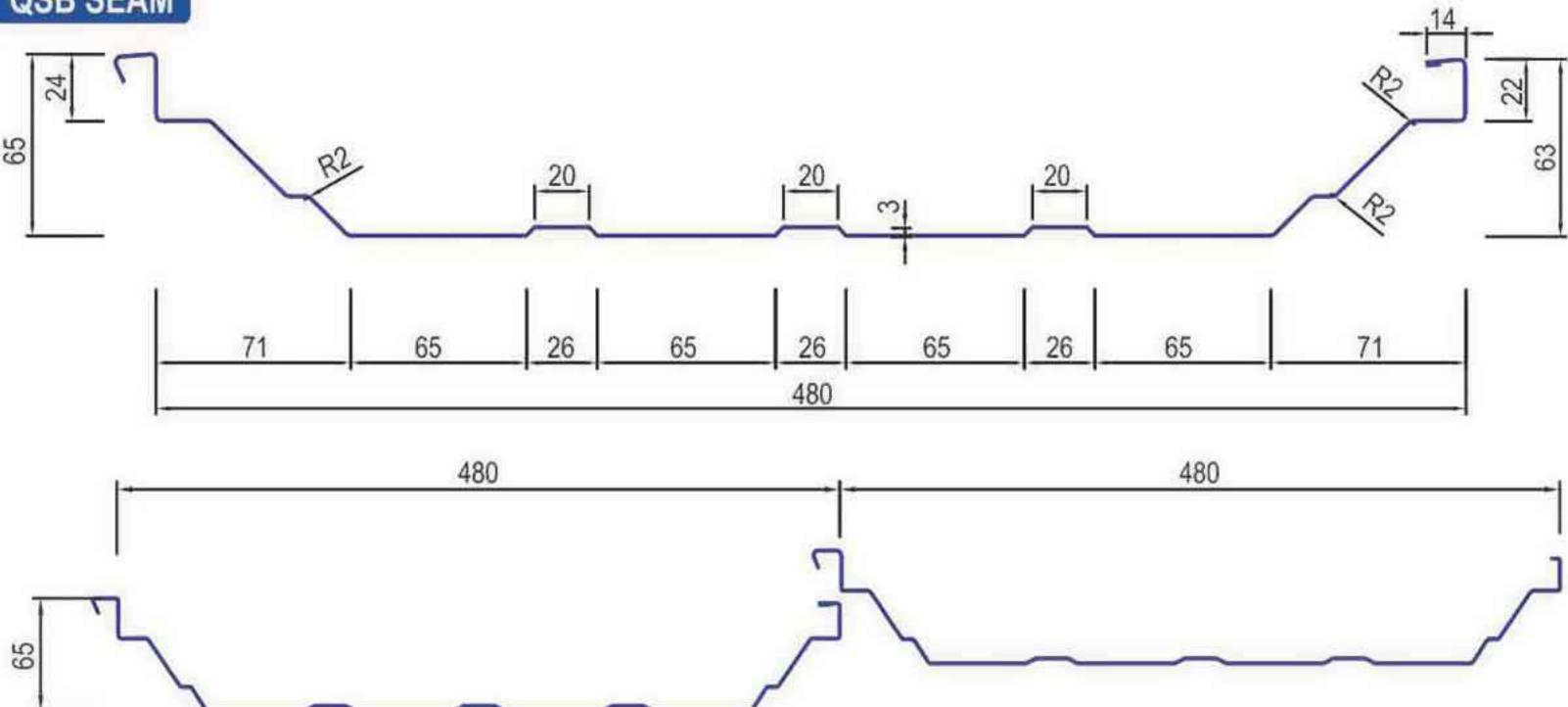
CLIP LOCK



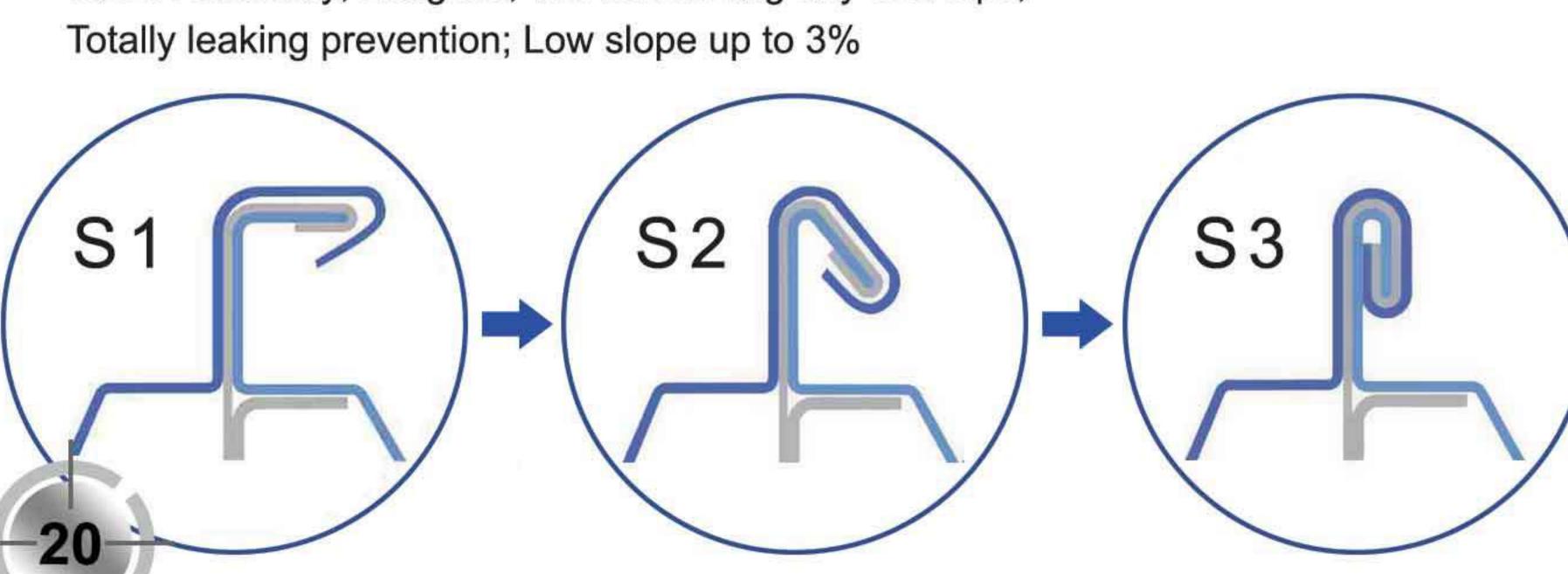
Advantages: Good Leaking prevention; modernity; Suitable for roofing, Strong wind areas; Low slope up to 6%

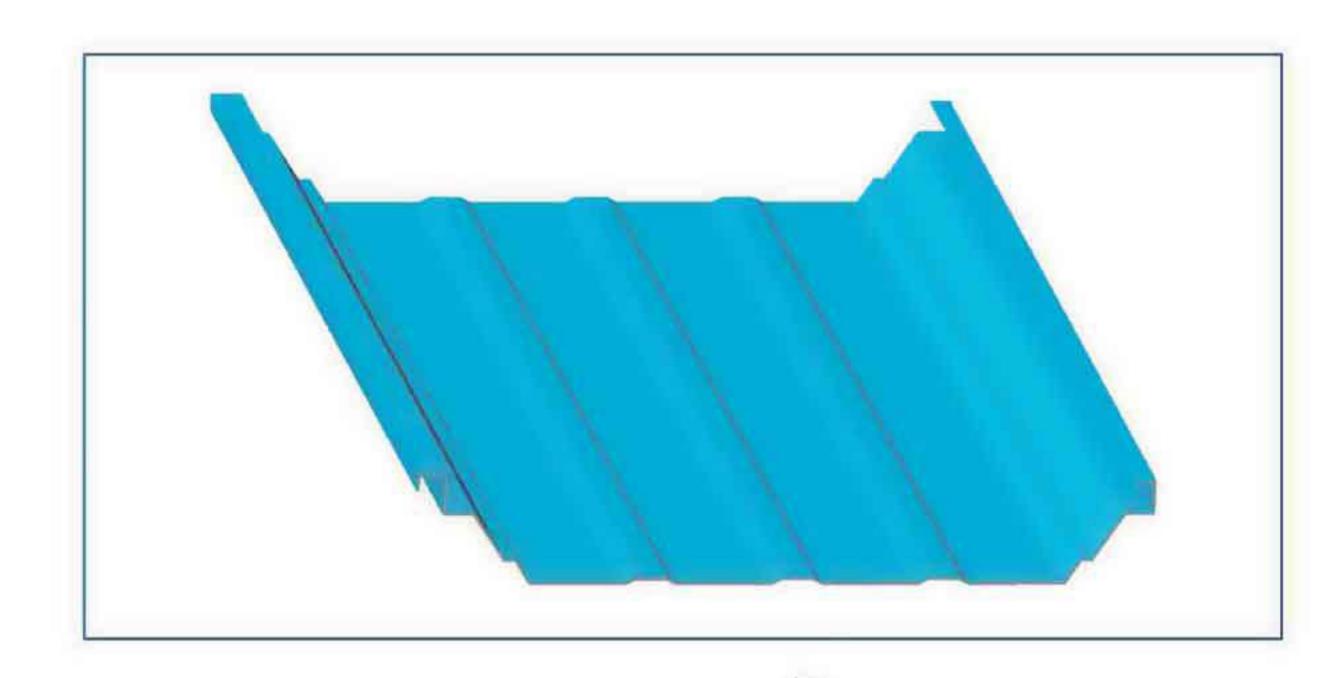


QSB SEAM



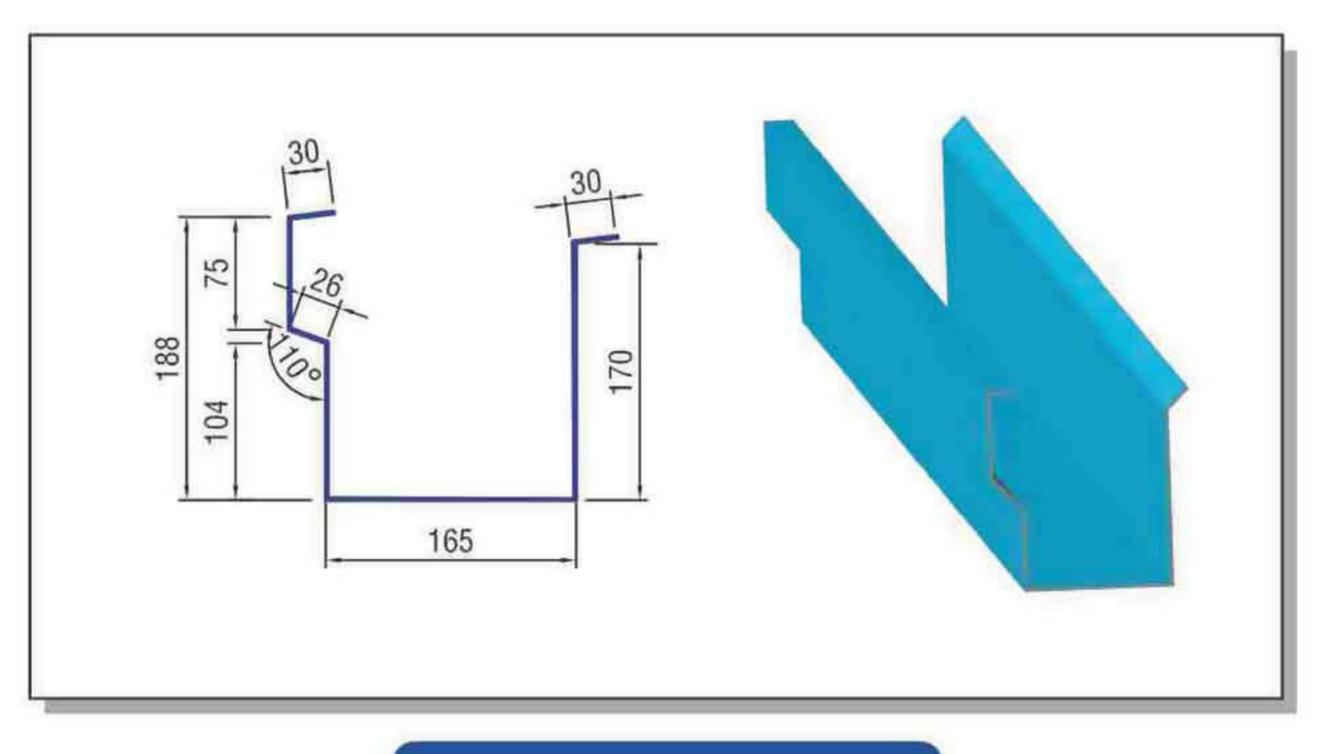
Advantages: Withstanding strong wind Uplift; Excellent appearance and modernity; Great Reliability; Long life; Without having any end laps;



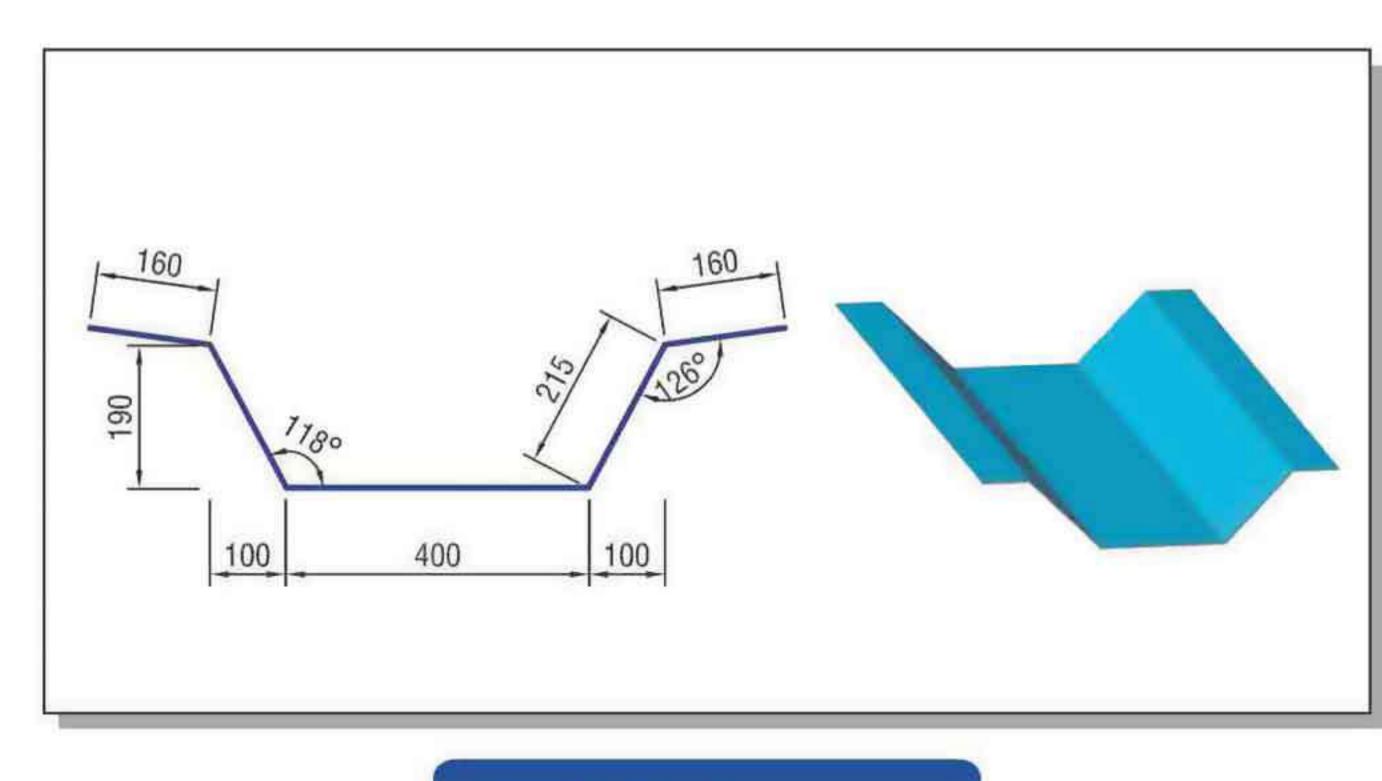




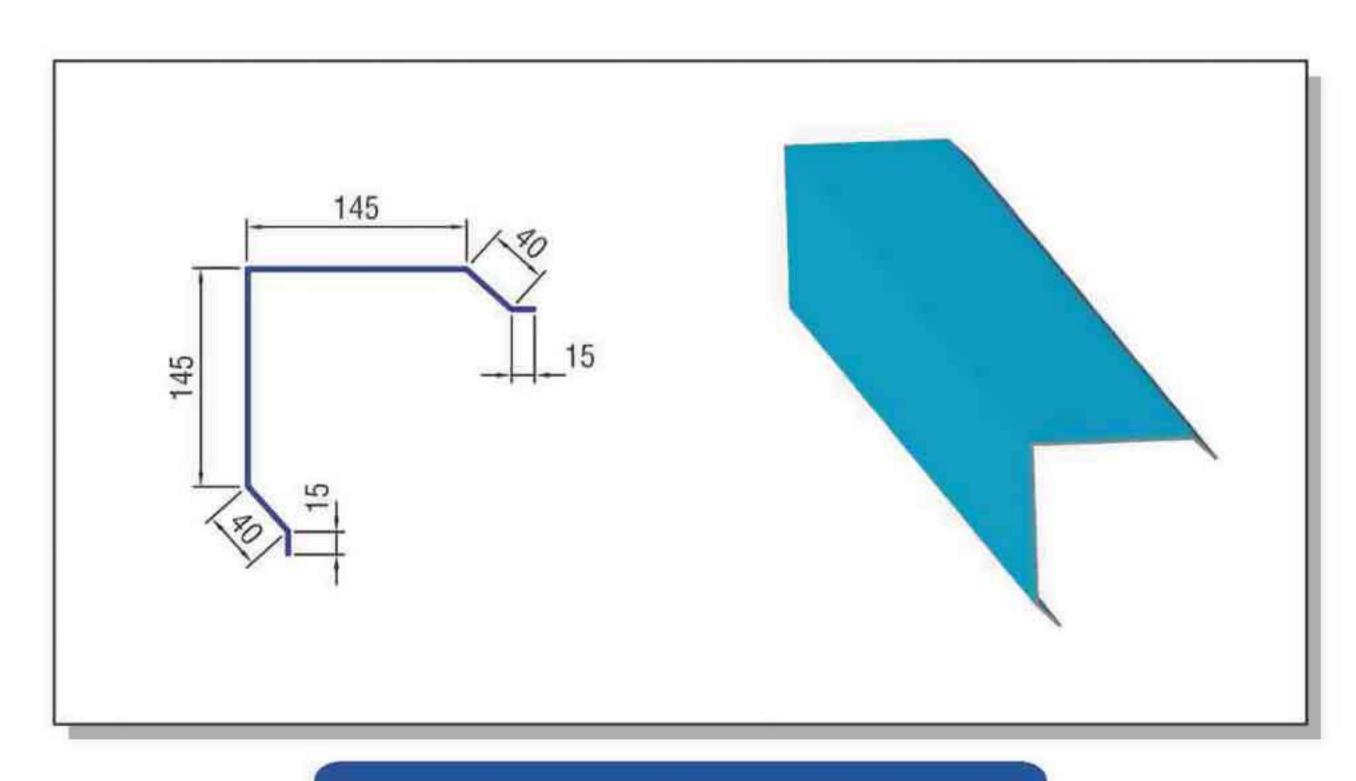
PANEL ACCESSORIES



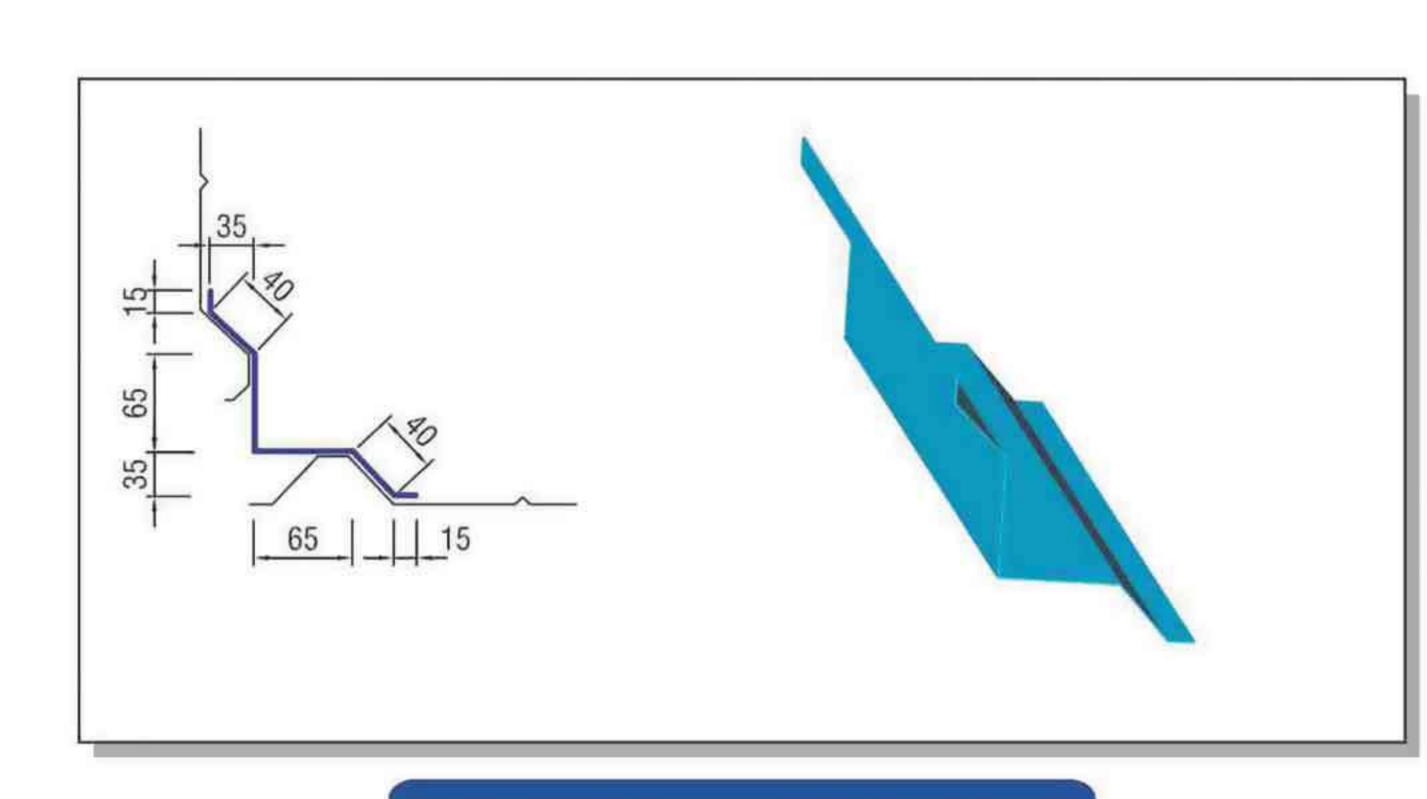
EAVE GUTTER



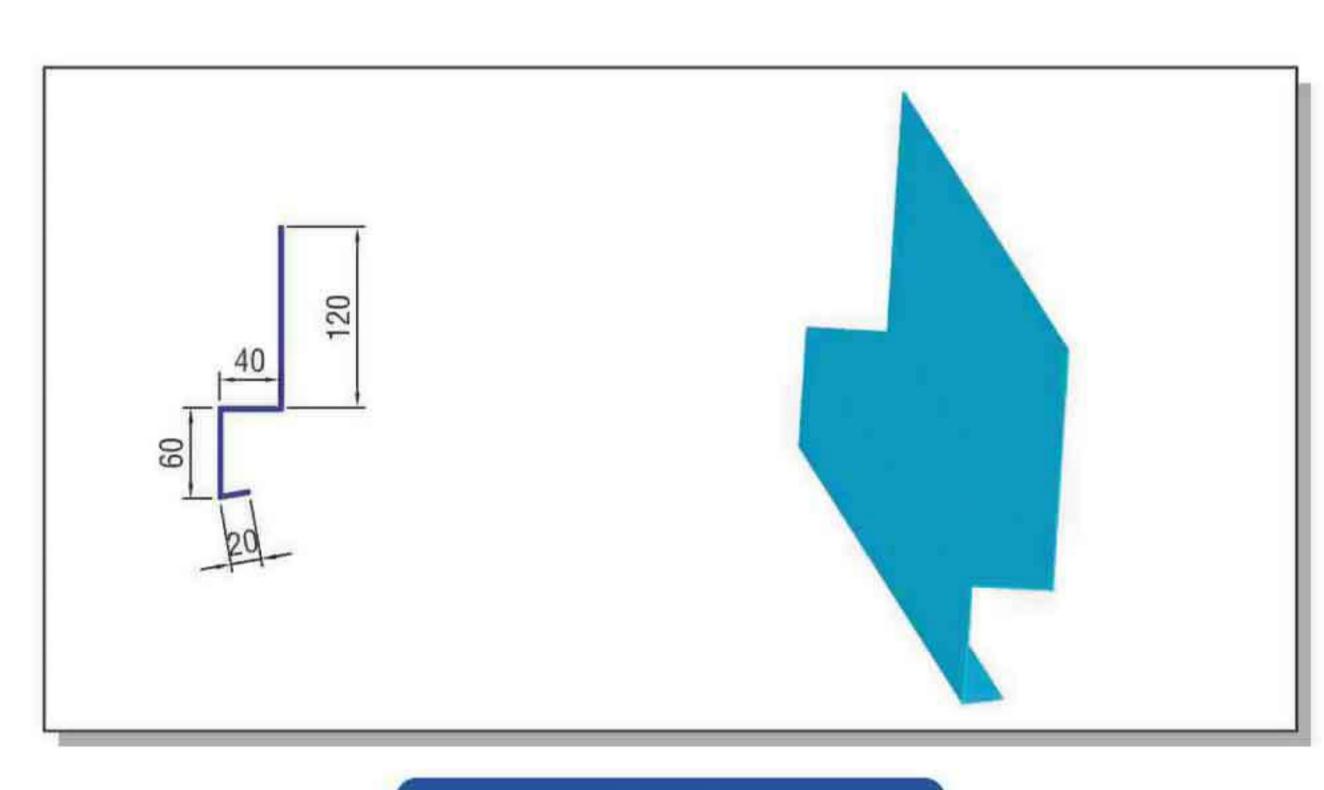
WALEY GUTTER



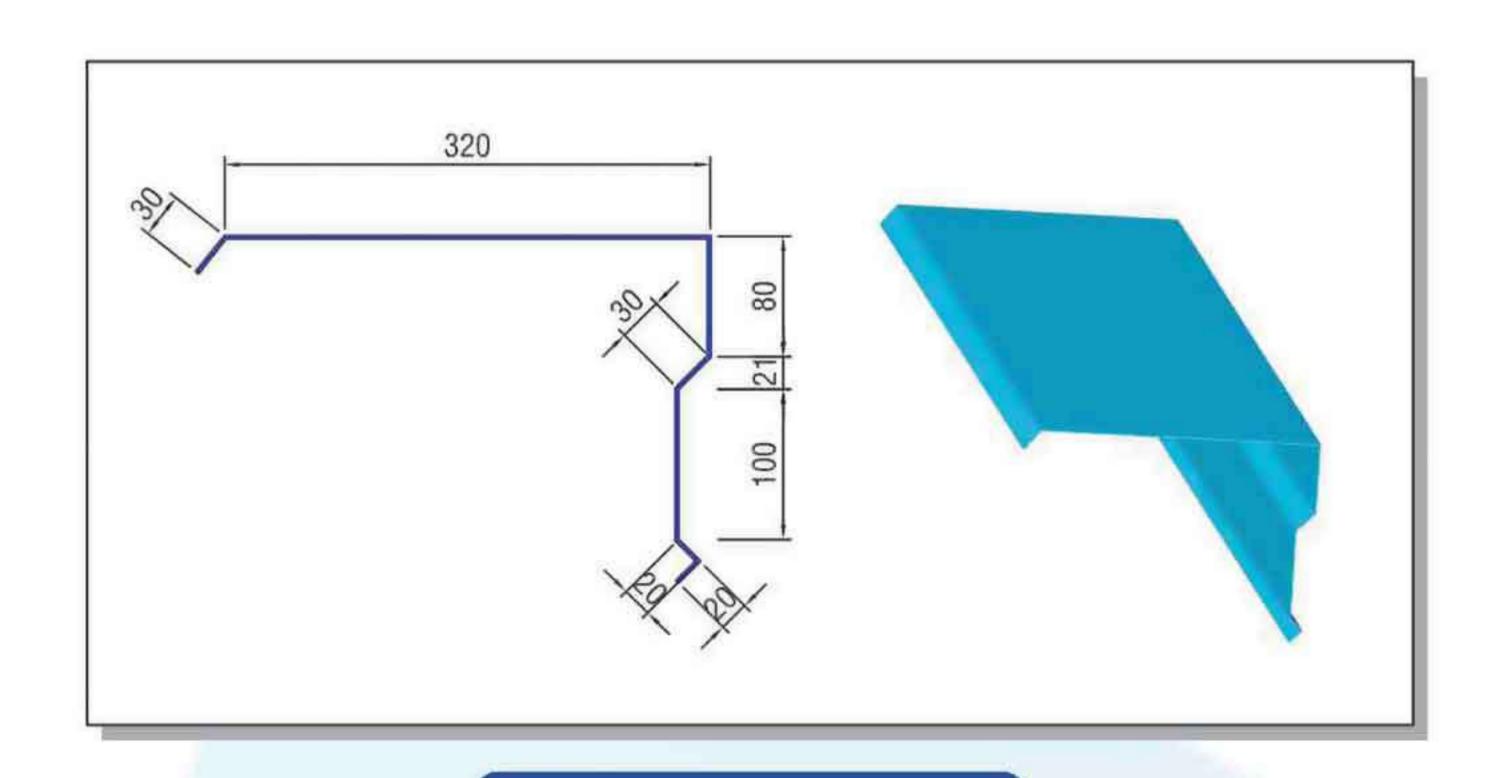
OUTSIDE CORNER TRIM



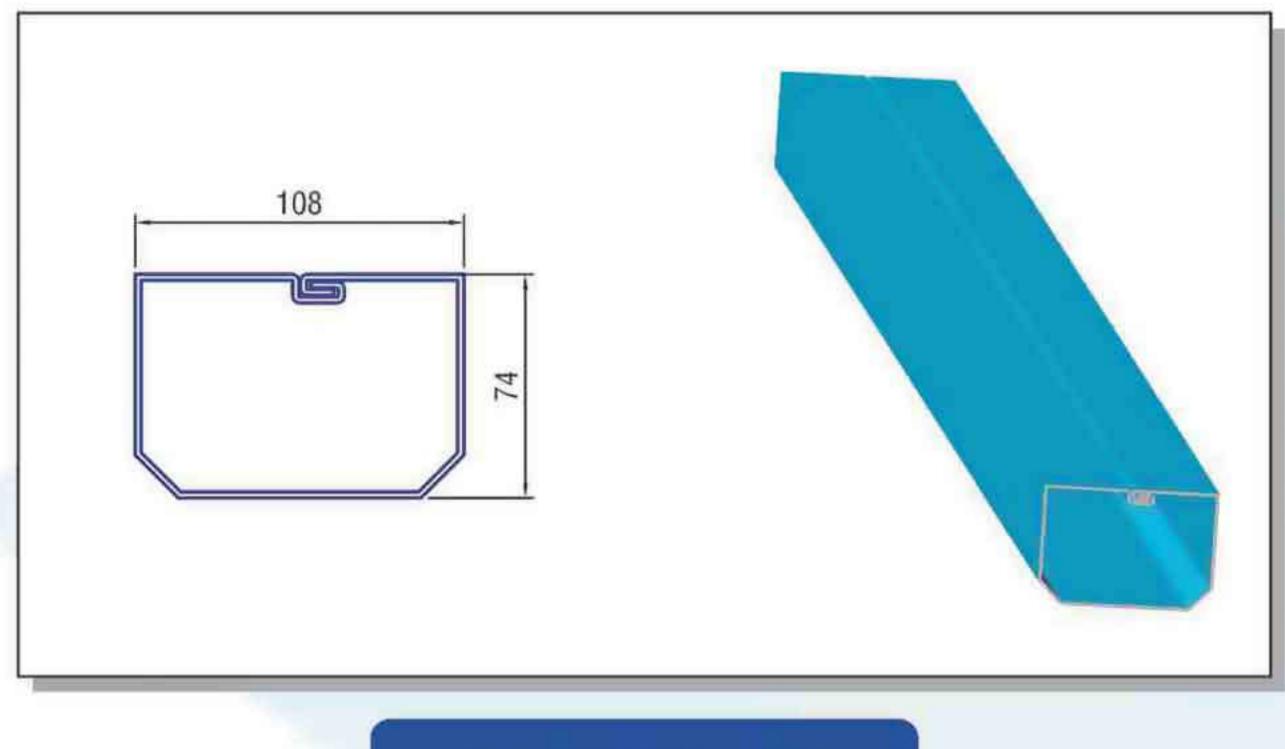
INSIDE CORNER TRIM



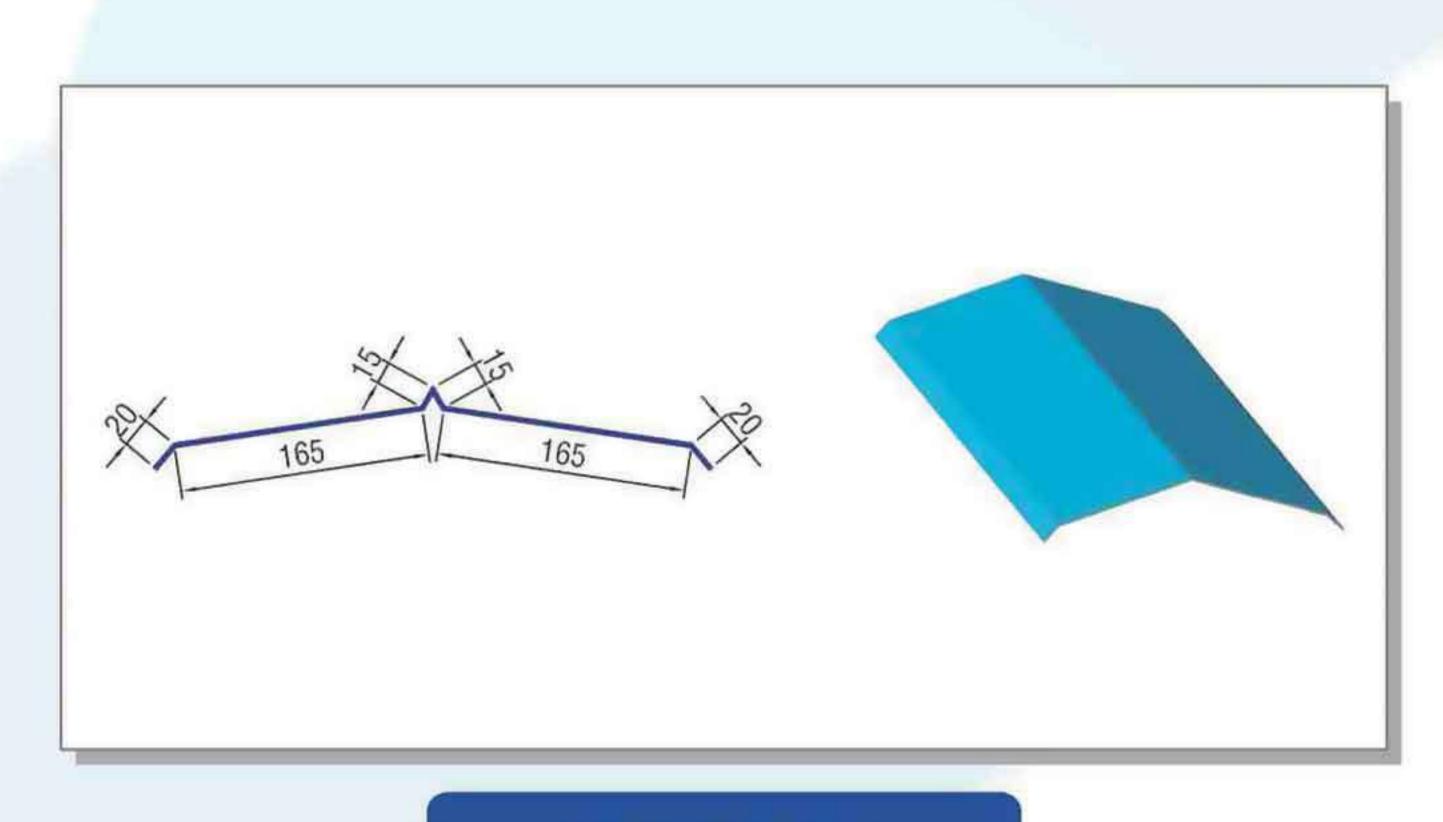
DRIP TRIM



GABLE TRIM



DOWNSPOUT

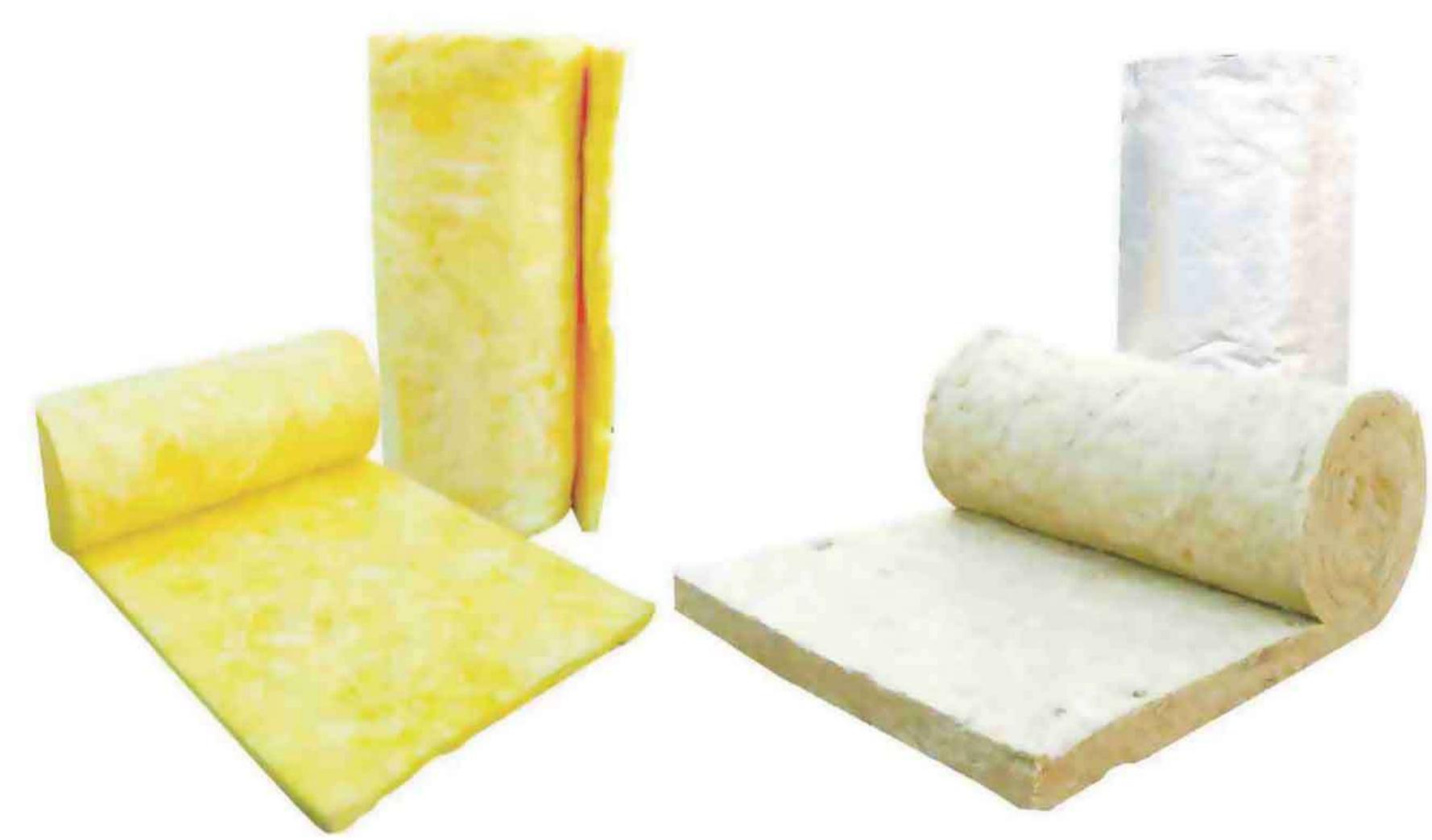


RIDGE CAP

INSUKATIONS



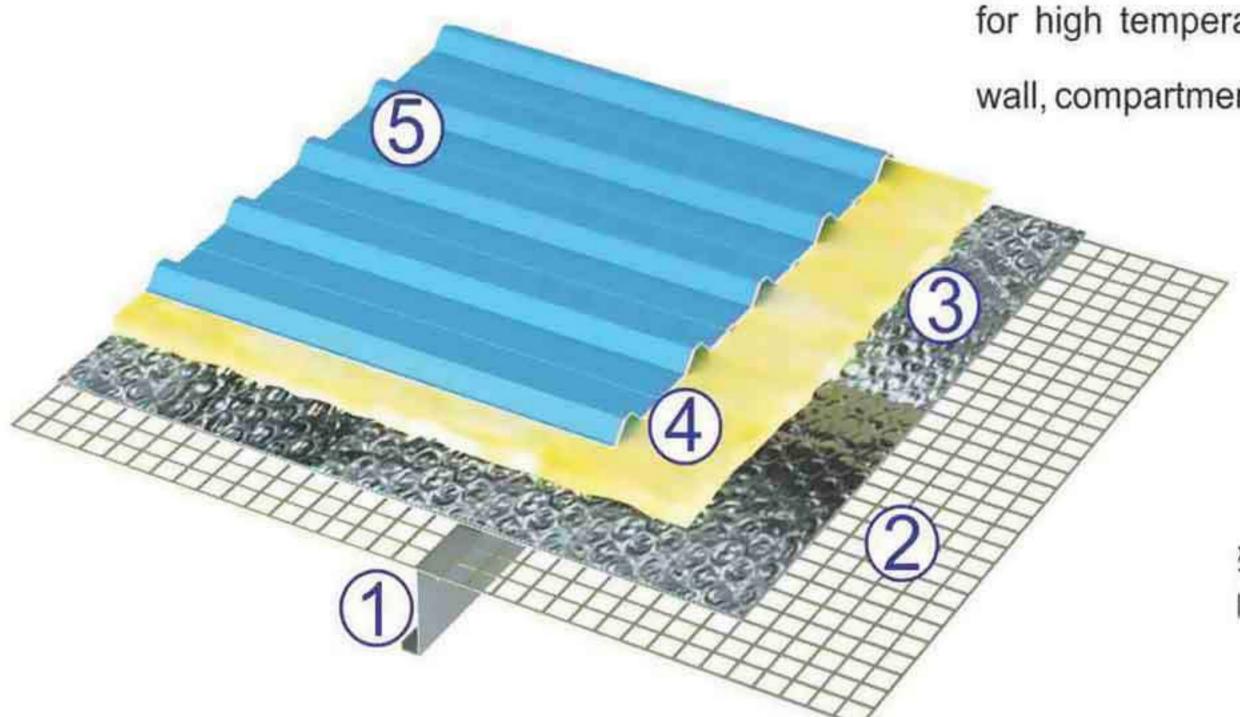
AIR BUBBLE FOIL with one / two aluminum foil side(s). The products are fiber-free and manufactured of pure aluminum foil bonded to polyethylene bubble sheeting. It is a safe, non-toxic fiber, easy-to-install, maintenance-free and not affected by humidity.

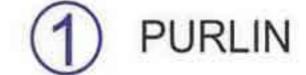


GLASS WOOL It maintains the heat insulating and preserving function and has very good shock reducing and sound absorbing property. Glass wool felt with aluminum facing has strong capacity to resist heat radiation and is an excellent material for the inner lining for high temperature workshops, control rooms, inner wall, compartments and ceiling of equipment rooms.

ROCK WOOL

Rock wool provides protection
against fire, heat, cold and noise for the building,
process, marine and offshore industries. The great
advantage of Rock wool products is that thermal
insulation can be combined with excellent noise
reduction capabilities and high mechanical strength.
Adding to this provides the best guarantee for effective
fire protection and water repellent properties.



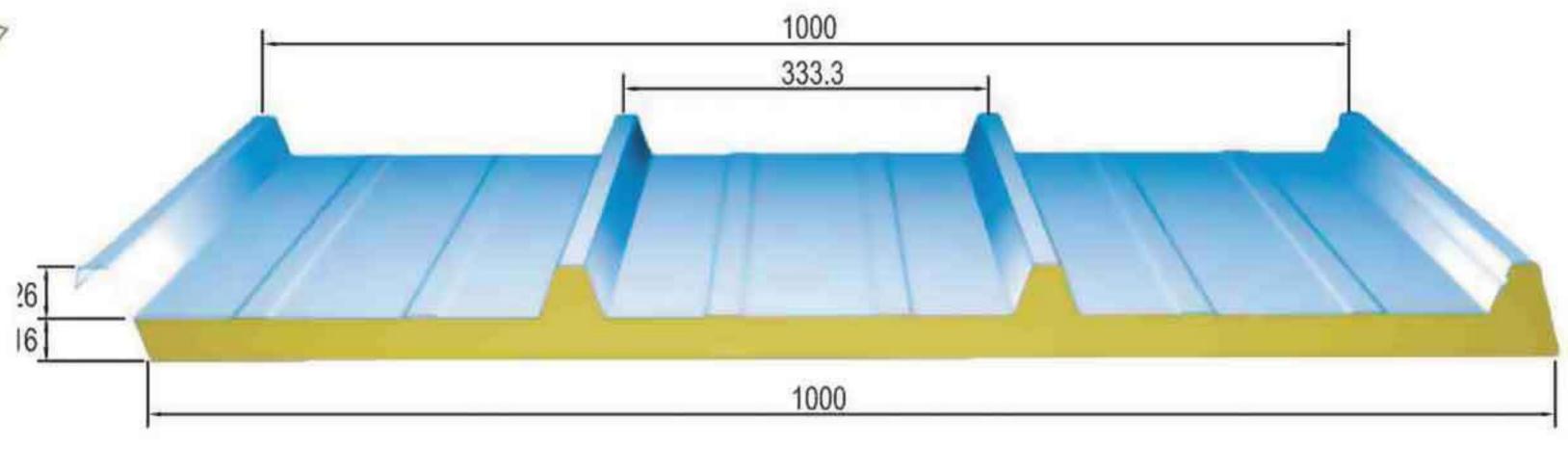


4 FIBER GLASS

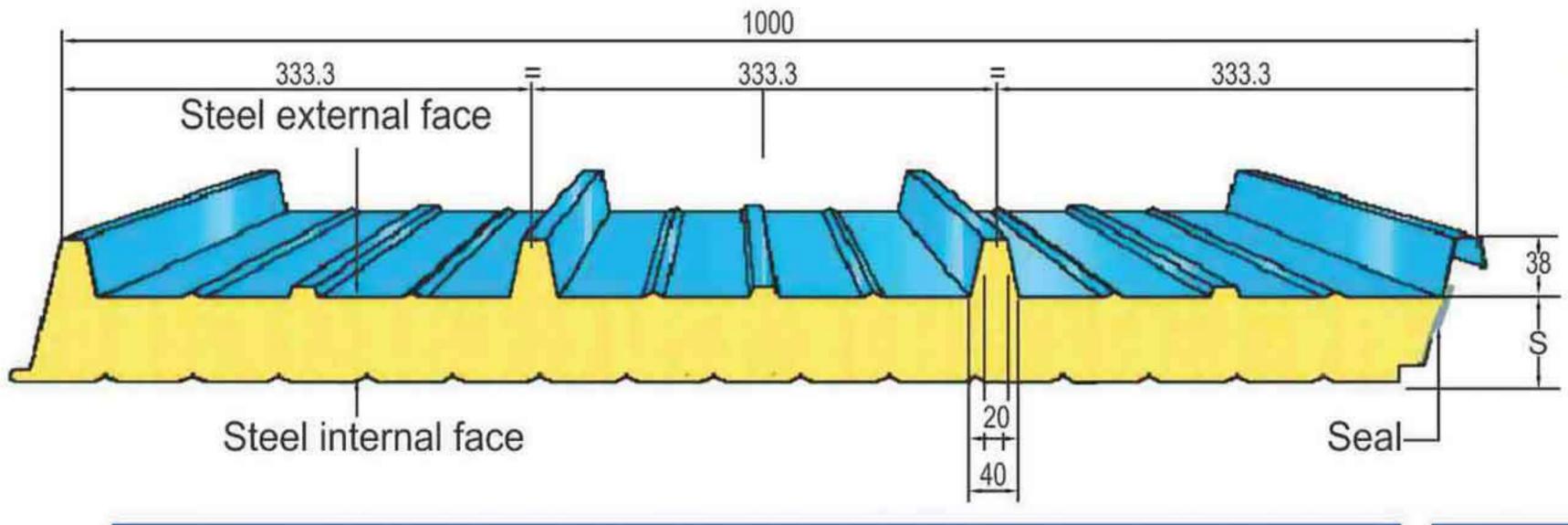
2 GALVANIZED WIRE MESH

(5) ROOF PANEL

(3) ALUMINUM



PU Polyurethane is a energy-saving insulation materials, Light weight and hardness. It can be easily attached to almost all types of paper, plywood, steel plate, aluminum, concrete, tiles, etc. Our rigid PU insulated panels is widely used in the thermal insulation on walls and internal rooms of buildings, and used in thermal insulation of doors, cold storage, refrigerator and so on. The surface layer of two sides of the panels could be embossed aluminum foil, kraft paper, color tin or nothing.



SANDWICH Sandwich insulation panels are widely used in the thermal insulation on wall and roof of building, and construction of refrigeration and freeze, doors and windows of building, industrial instrument and special vehicles, etc. It is one of the most popular thermal insulation materials with excellent performance.

No	Material Surface	Reflectivity Coefficient R	Emissivity Coefficien
1	Silver foil	98%	2%
2	Aluminum foil	97%	3%
3	Glass wool	25%	75%
4	Zincalume sheeting	80%	20%
5	Galvanized sheeting (new)	72%	28%
6	Galvanized sheeting (old)	12%	88%
7	Alkyd paint (average of 16 colors)	4% -> 8%	92% -> 96%
8	Concrete	10%	90%
9	Mortar	13%	87%
10	Wood	9%	91%

Thermal Conductivity Coefficient K					
No	Material	Thermal conductivity Coefficient K W/m.ºK @ 25°C			
1	Air	0,024			
2	Glass wool	0,037			
3	Rock wool	0,034			
4	Polyurethane (PU)	0,026			
5	Sandwich Panel (Expanded Polystyrene EPS)	0,038			
6	Sheeting	50,2			
7	Concrete (lightweight concrete)	0,80 (0,38)			
8	Wood	0,12			
The lower of K coefficient, the better for insulating					



STANDARD PANEL COLOR



B - BLUE 1



B - BLUE 2



B - WHITE



B-RED



B - DARK GREY



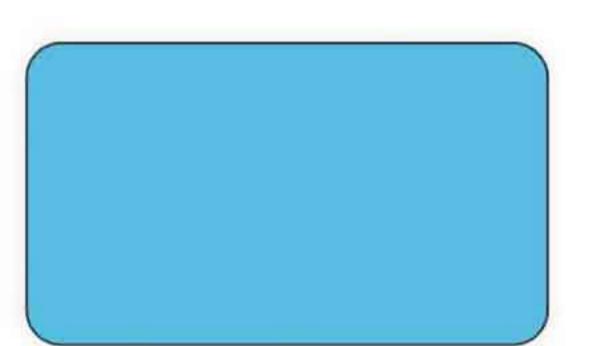
B - GREEN



APPLE



GREY BLUE



BLUE



GREY









INDUSTRIAL PROJECTS

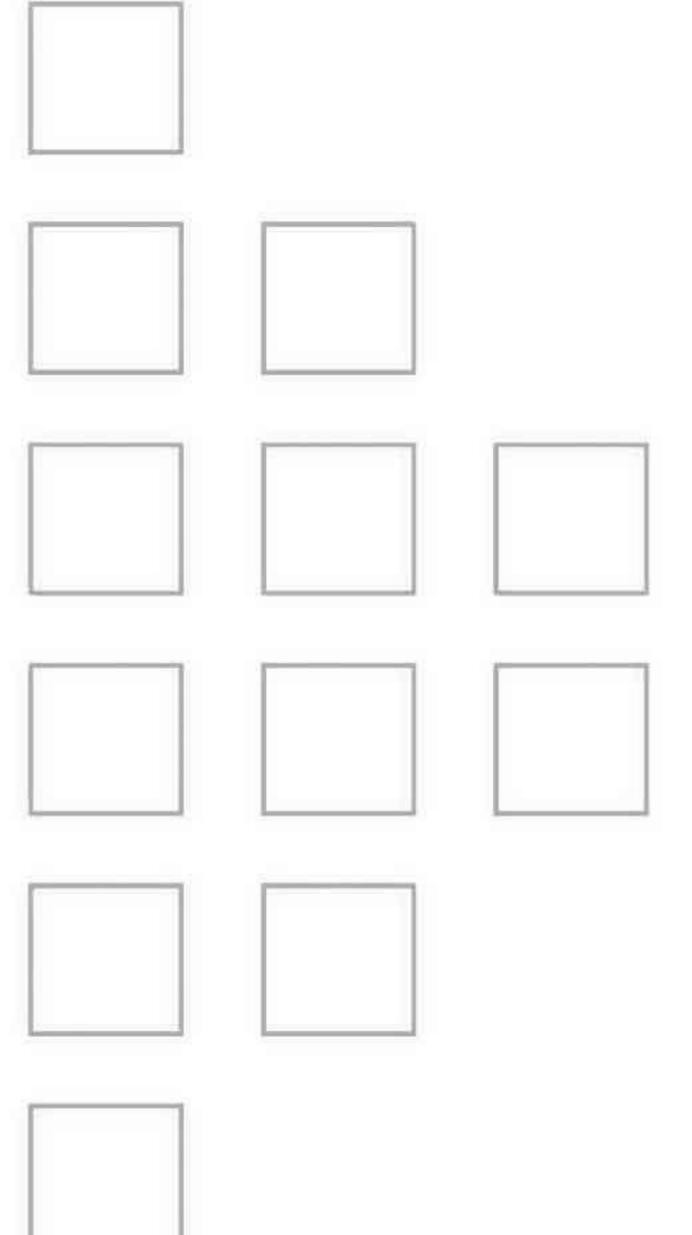






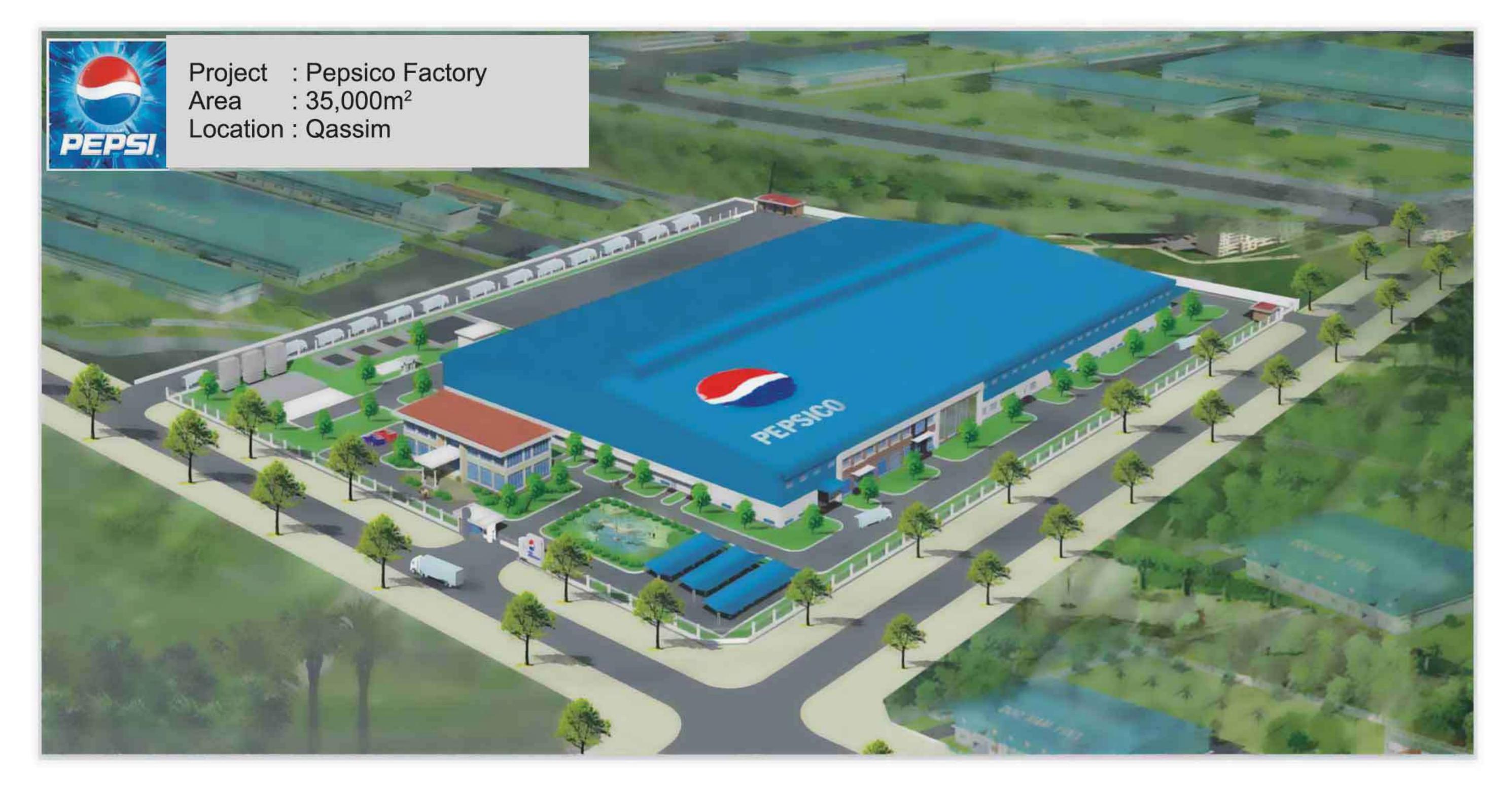
-24









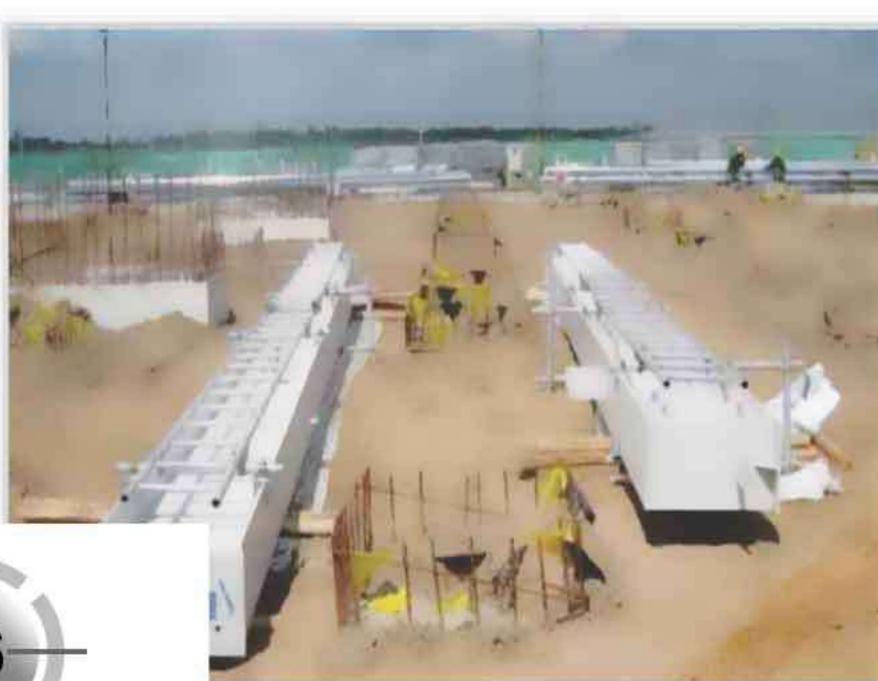












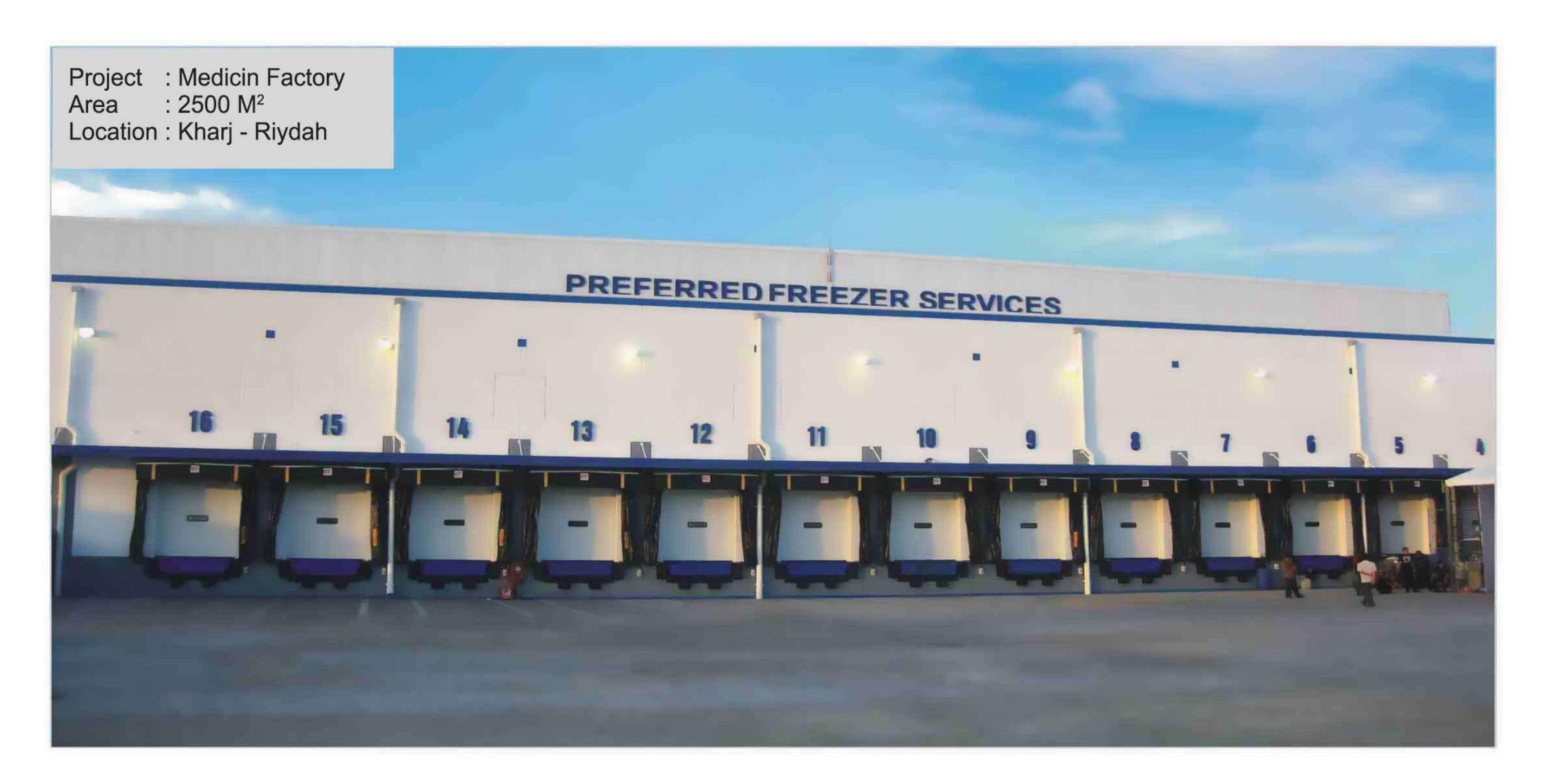








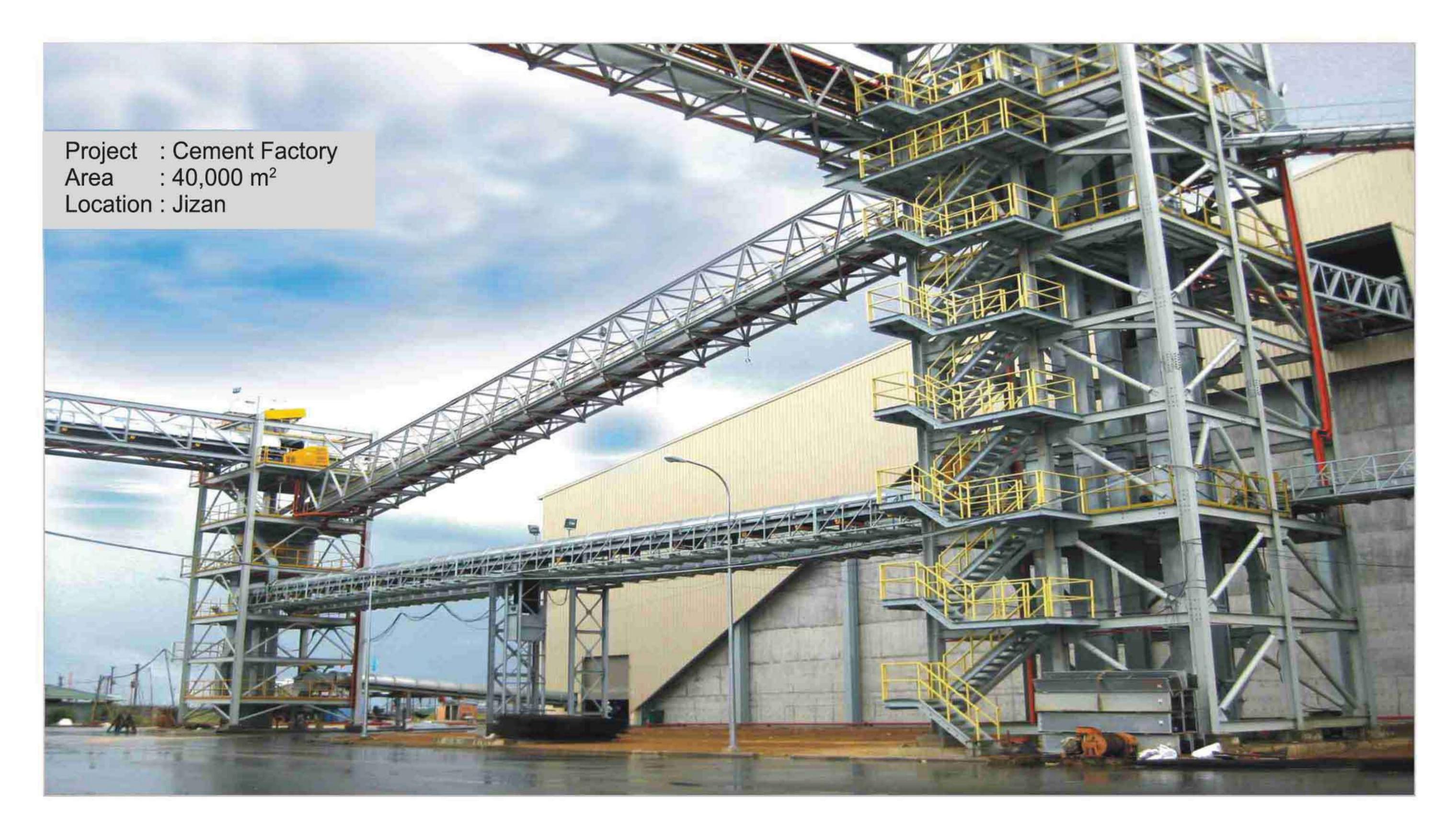








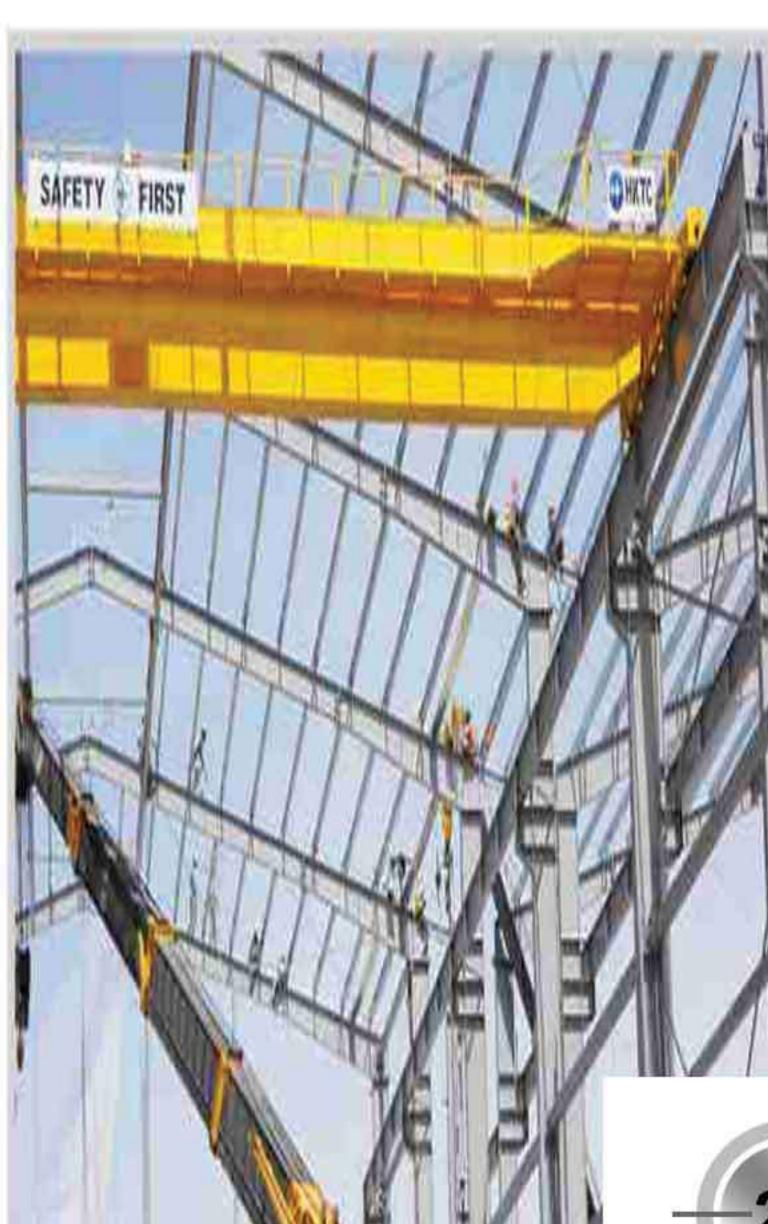






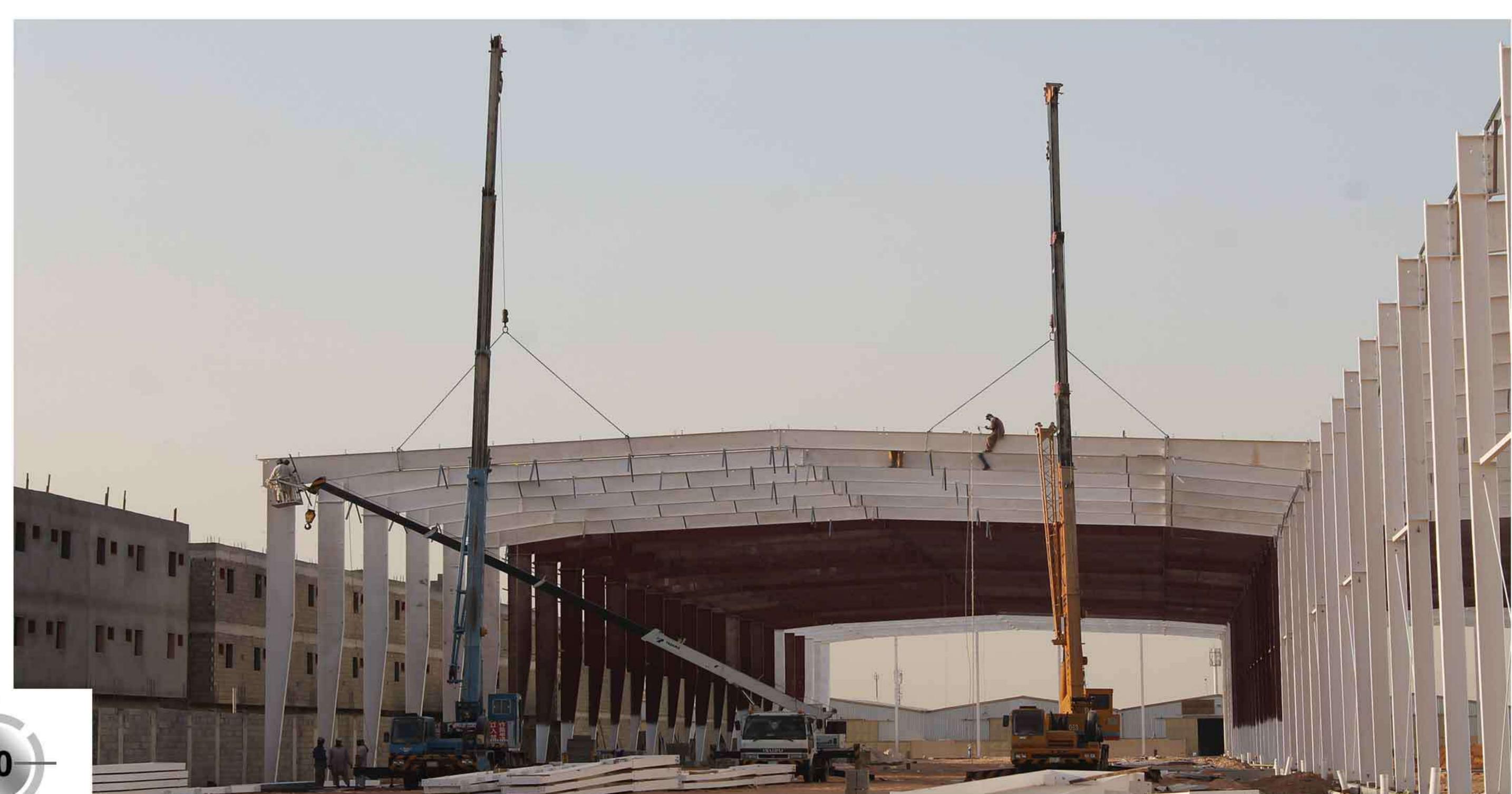




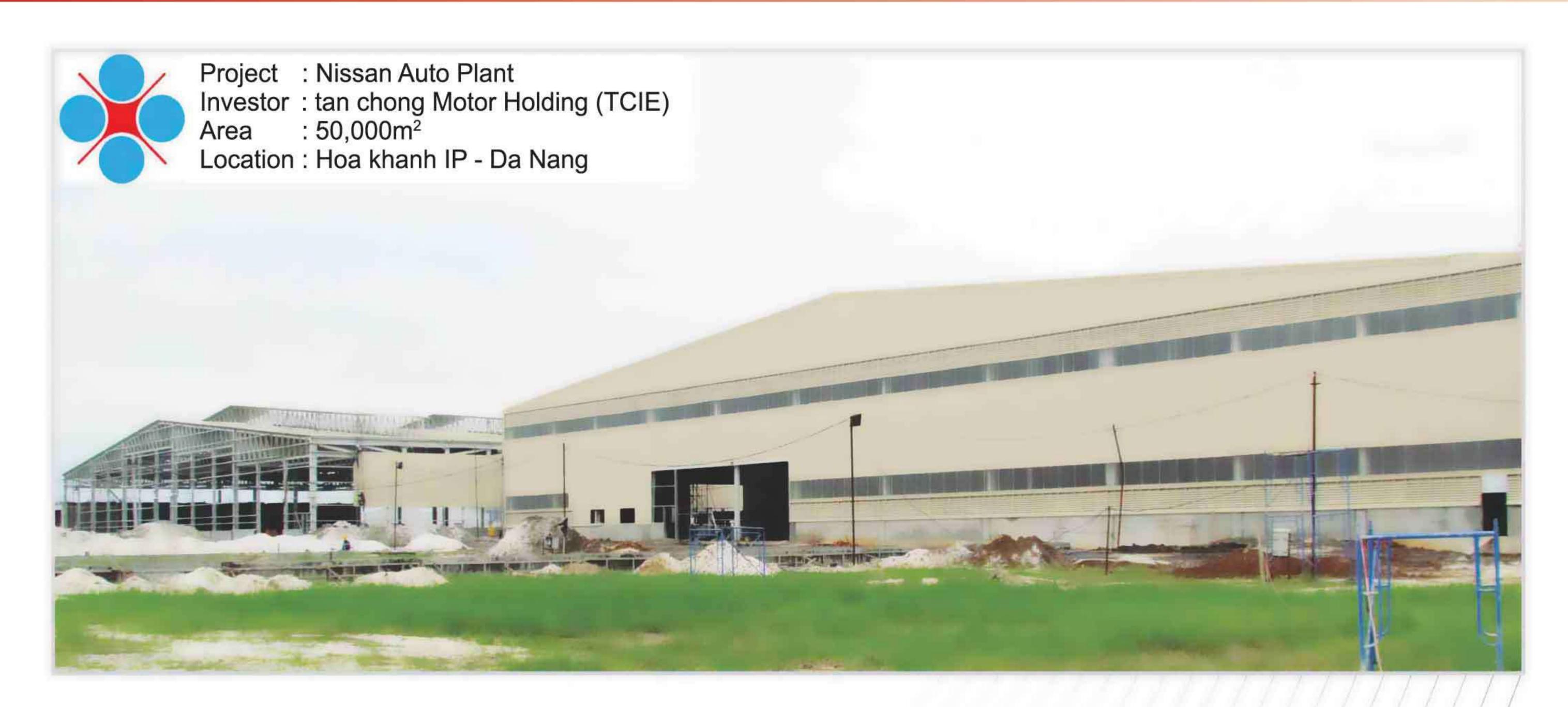








INDUSTRIAL PROJECTS





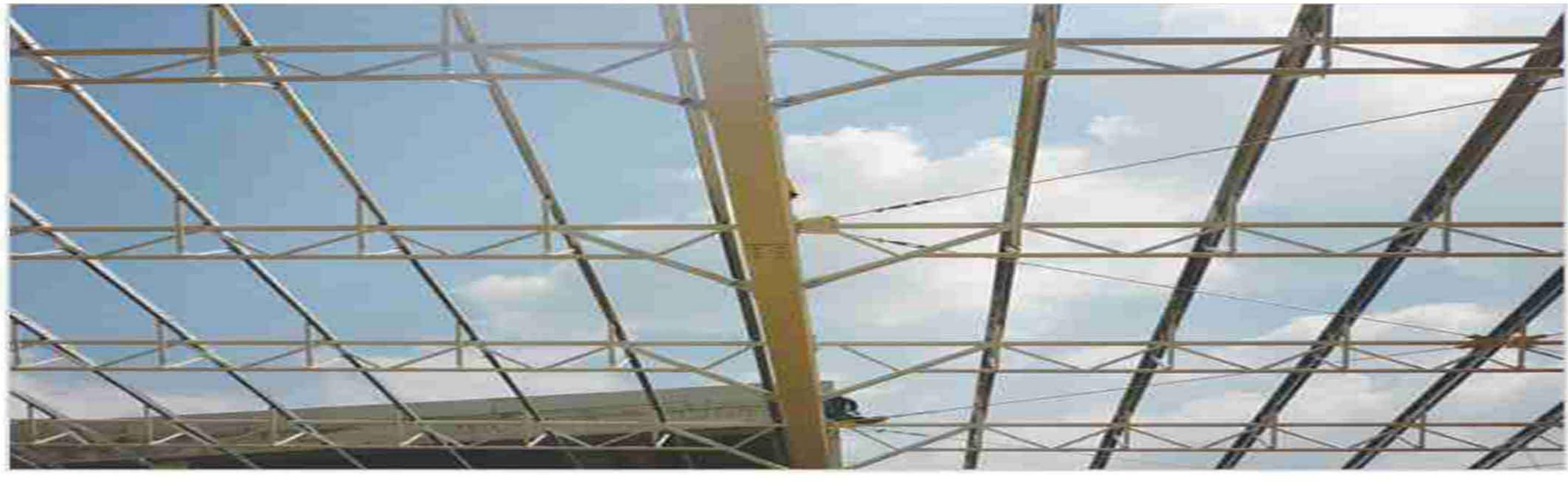
ERECTION



- TRUSS ROOF SYSTEM - JACK BEAM 30mL















INDUSTRIAL PROJECTS





WARE HOUSESIN DIFFERENT AREAS

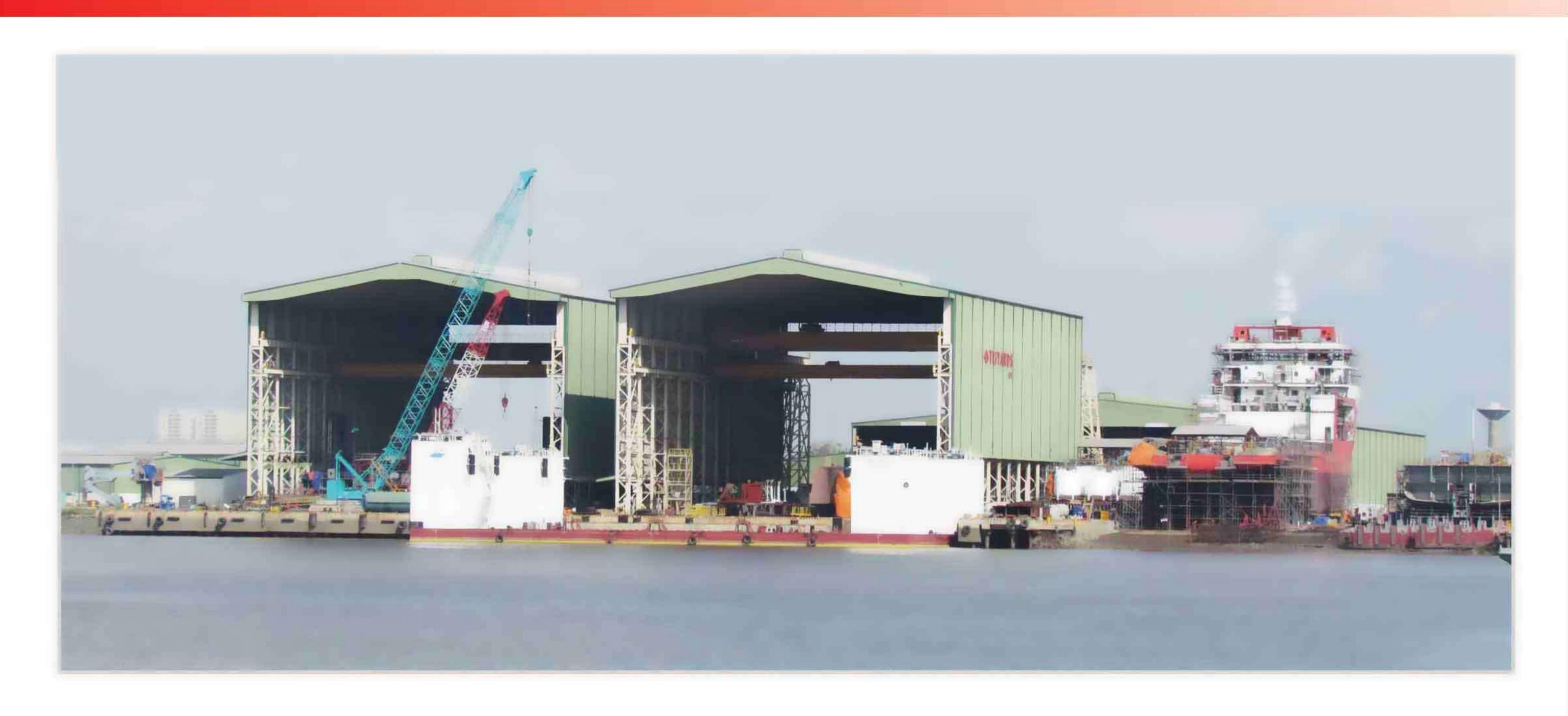








HEAVY INDUSTRY PROJECTS

















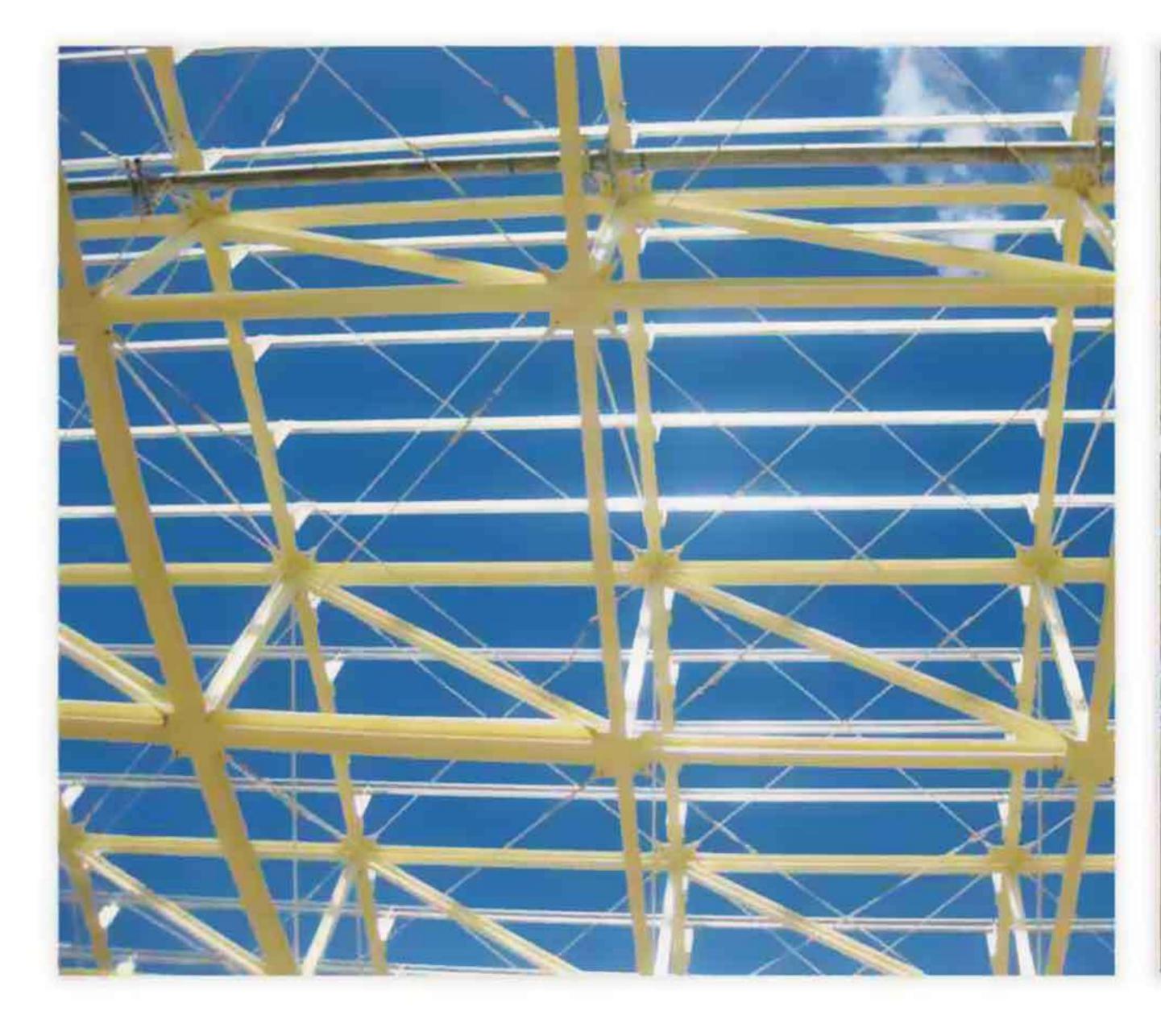
AIRPORT STRUCTURE

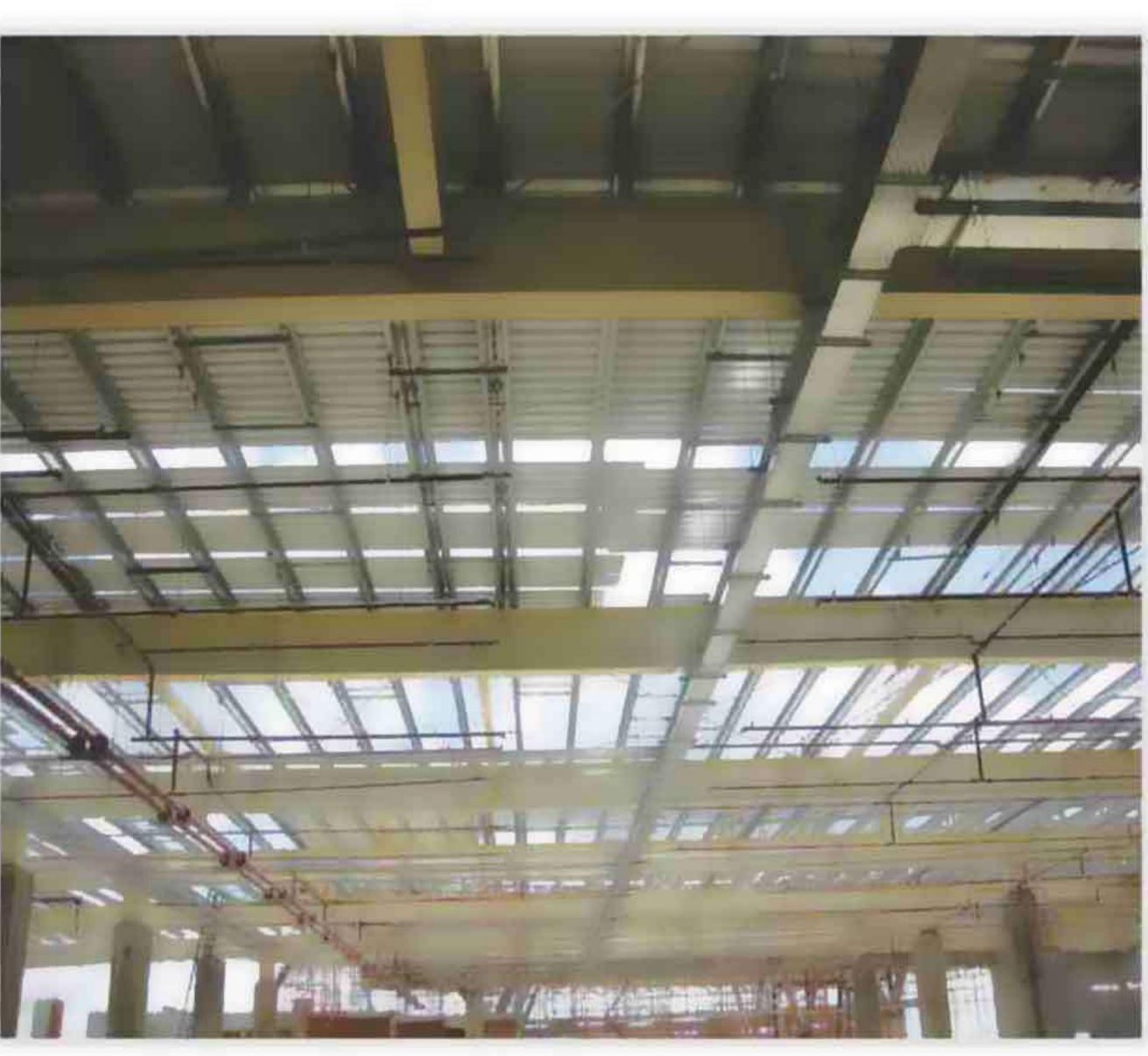






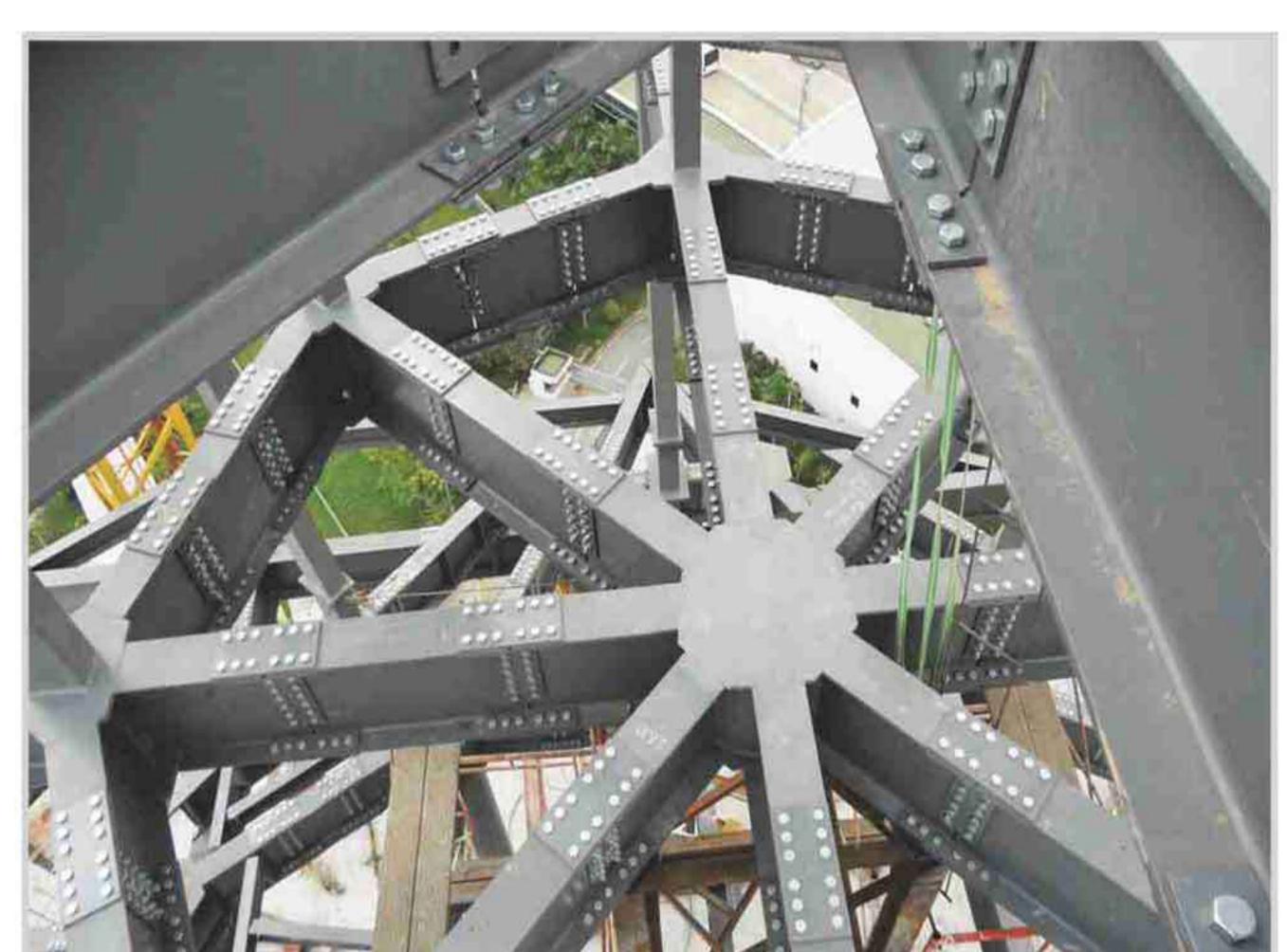














TOWER STRUCTURE





CIVIL BUILDING AND OTHERS











posco e&c-lilama

HOCHIMINH Office 5th Fl., Diamond Plaza Bldg., 34 Le Duan St., Dist.1, HCMC, VietNam Tel: (84-8) 38220990 - Fax 38220991 www.poscoenclilama.com

03 - August - 2009

RECOMMENDATION LETTER

This is to certify that we have contacted RSS Co., Ltd. for the Design, Supply & Erection of Pre-Engineered Steel Buildings.

We are pleased to confirm that RSS Company supplied high quality structures, maintained prompt delivery schedule and served us as per highest International Standards.

We shall definitely give them high priority when considering similar projects in the south of Vietnam, and wish them success in their future assignments

Yours truly,



GENERAL DIRECTOR



ATC PROJECTS (VIETNAM) CO LTD

27 Dinh Bo Linh Street

Ho Chi Minh City, Vietnam

Customers'Testimonials

19 August 2009

To: RSS Co., Ltd.

Dear Sir.

CONG TY

* ATC PROJECTS

Leong Wai Keong

RE: LETTER OF APPRECIATION

We wish BMB STEEL success in all your future endeavours.

10: KSS Co., Ltu. 14C7 Phan Xich Long Street, Ward 7, Phu Nhuan District, Ho Chi Minh City, Viet Nam

Attn: AHMAD OMAIR

C/c: TRAN LE QUOC THAI - Operation Manager

I would like to express our satisfaction for the excellent cooperation RSS CO. has

I would like to express our satisfaction for the excellent cooperation RSS CO. has provided our client, in the design, supply and erection of complicated buildings of Saigon Xuyen IP-Ba Ria Vung Tau province.

Associated in Dist 2-HCM City and Saigon Offshore project located in Dong

The SHIPYARD projects used more than 6,000 MT for complex buildings. One of items is 34,5 m Height (top of column), 58m Width (clear span) with 80T crane systems.

The quality of the material supplied has been very high and conformed to International

It has been a great pleasure working with you and please be assured that we will consider

This is to certify that our company, MEADA VIETNAM has contracted with R.S.S. for the design sunnly and Exection of Pre-Engineer huildings for my Als is to certify that our company, MEADA VIETNAM has contracted with engineer buildings for preannineered huildings at TOKYO ROPE project in VSIPIL Rinh Duong proving

RSS for the design, supply and Erection of Pre-Engineer buildings for pre-engineered buildings at TOKYO ROPE project in VSIPII, Binh Duong province We have found RSS CO. to be very professonal and strickly adhering to complete the project on time. RSS CO. not We have found RSS CO, to be very professonal and strickly adhering to only can supply our disired building but also they have contributed valuable and delivery schedule, helping us to complete the project on time. RSS CO. not substantial assistance for the project.

We'ld like express our pleasure to do business with RSS CO. and hight service at We'ld like express our pleasure to do business with RSS CO. and hight quantity, excellent service at Yours sincerely,

PROPER ZEN PLAZA, 54-56 NGLIVEN TRAI ST., BEN THANH WARD, HCMC, WETNAM TEX: 08-3925-2000/9241/9242 FAX: 08-3925-9243

MAEDA KOJI TODA General Director



KINGMAKER (CAMBODIA) FOOTWEAR CO., LTD. Add: Manhattan Special Economic Zone, Bavet, Svay Rieng Province, Kingdom of Cambodia. Tel: (+855) 44 715 150 - Fax: (+855) 44 715 142

To: WHOM IT MAY CONCERN Date: August 15 - 2011

REFERENCE LETTER

RSS CO. awarded for the Construction of our factory

extension - Kingmaker Footwear Project in Cambodia. We are pleased to confirm that RSS offered us competitive price, constructed high quality structures, maintained prompt construction schedule and served us as per highest

We shall definitely give them high priority when considering similar projects in the south International Standards. of Vietnam, and wish them success in their future assignments.

We hereby recommend RSS as one of the most trustable contractors in civil and industrial construction.

FOOTWEAR CO. LTD.





Add: 55B,Dang Dung St,.Dist 1,HCM, VN Web: www.ateliermgt.com.vn Tel: 08.35267191

ATELIER MANAGEMENT AND DESIGN CONSULTANCY (VIETNAM) CO., LTD <u>CÔNG TY TNHH TƯ VẬN THIẾT KẾ VÀ QUÂN LÝ DỮ ẢN ATELIER (VN)</u>

21-Aug-2009

RECOMMENDATION LETTER

We, Atelier, have the great pleasure to present this letter of recommendation to B.M.B Steel Ltd. Co. for their enthusiasm and good efforts for the Supply & Erection of Pre-Engineered Steel Buildings Project.

RSS CO. Ltd. Co. have carried out the tasks in a professional, competent and safe manner. Their supervisors are experienced, helpful and co-operative. They have contributed valuable and substantial assistance towards the success of the

We trust RSS CO. 's work and would like to warmly recommend them to contractors for other projects.

Very truly yours,

GONG TY TRACK NOTES HELL NAME TUNKS THET . E VI ME DO AT HAUD ATELES (VET HAM)

Christopher Ong Senior Project Manager

ATELIER MANAGEMENT & DESIGN CONSULTANCY (VIETNAM) CO., LTD 558 - C Dong Dung Street Ton Dinn Word, District



HCMC, 25th October 2008

LETTER OF COMMENDATION

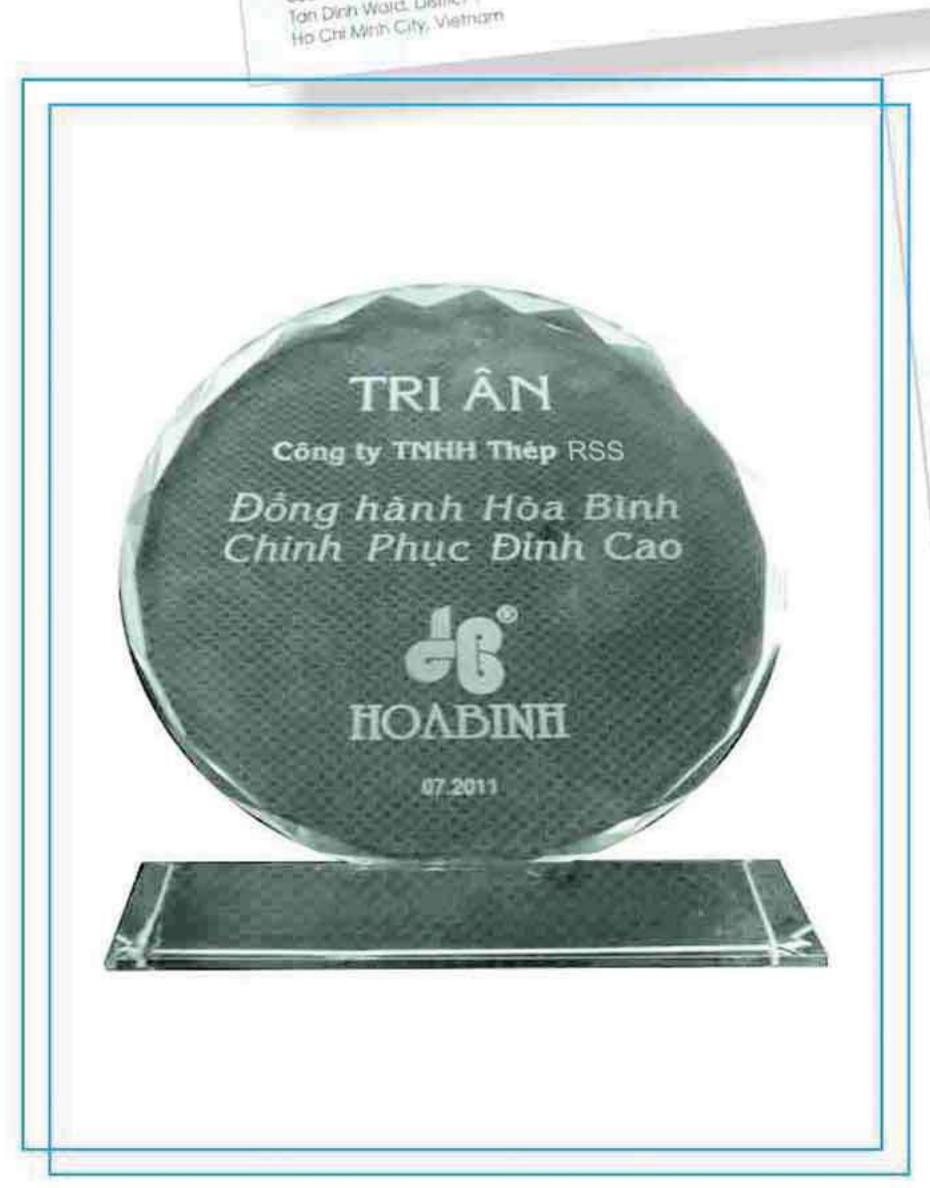
We are happy to issue you with this letter of commendation and appreciation for your good works in design, fabrication and erection our pre-engineered

We have been fully satisfied with RSS CO. service in all projects under our

Thanks to the kindly cooperation between us. We have received a lot of compliments on its appearance and workmanship.

Should any company require priority quality, good services, we would not hesitate recommend RSS CO. as the trusted partner in Pre-engineered

Your sincerely, HOANG VAN CHIN Deputy General Director







FROM PEPSICO VIETNAM TO RSS CO.

This is to certify that PEPSICO VIET NAM have contracted RSS CO. for the Design, Supply & Erection of Pre-Engineered Steel Buildings of our "Green Light Project" at Can Tho City - Viet Nam with the total area of 25.000 m2

We are pleased to confirm that RSS CO. supplied high quality structures, maintained prompt delivery schedule and served us as per International Standards.

_With Best Regards,

NGO QUANG HIEP

Vice President-Operation



We would like to express our deep thanks to all our partners for giving RSS the opporunities to cooperate and develop.































THE CLIENT





























































