

PRE-QUALIFICATION DOCUMENT



"One of the LARGEST Manufacturers of Steel Buildings"

TABLE OF CONTENTS



Company Profile		4
Introduction		6
Vision, Mission	, and Value	8
Network		10
Customer Base	e	11
Trade license &	& Certifications	12
Organization & Peop	le	16
Executive Tear	m	18
Organization C	Chart	22
Manpower		22
Representative	Offices	23
Engineering Expertis	e	24
Engineering Co	enter of Excellence	26
Design and De	tailing	26
Applicable Des	sign Code	27
Material Speci	fications	27
Manufacturing Facilit	ies	28
Global Plants		30
List of Machine	eries	32
Fabrication Pro	ocess Flow Chart	35
Quality Control		36
Quality Contro	ol Procedure	38
List of Testing	Equipment	42
Project & Construction	on Management	52
Project Manag	ement	54
Construction I	Management	55
Project Reference Li	st by Country	58



COMPANY PROFILE

Introduction

Vision, Mission, and Values

Network

Customer Base

Trade license & Certifications

KIRBY BUILDING SYSTEMS

Kirby Building Systems, established in 1976, is a global leader in the design and fabrication of pre-engineered steel buildings and structures, offering its customers a wide range of customized and cost-effective steel building solutions. Kirby's global spread extends across Middle East, Africa, Asia, Indian subcontinent and South East Asia with production capacity exceeding 550,000 MT annually, operations across 70 countries and workforce of more than 5,000 employees.

Kirby globally offers one of the most comprehensive product portfolio ranging from pre-engineered steel building, structural steel to storage solutions. We offer a wide range of steel solutions tailored to meet our customers' specific needs including pre-engineering steel buildings, storage solutions, industrial racking systems, and broad array of our steel building products that cover applications such as heavy industry, infrastructure, high-rise buildings, warehouse, factories, oil and gas and leisure structures.

KIRBY SOUTH EAST ASIA

Kirby South East Asia is doing business since 1999 and started its operation in Vietnam in 2008, with a 50,000 MT annum capacity. Kirby South East Asia has supplied and built over 1500 buildings in Vietnam, Australia, Bangladesh, South East Asia and African markets.

Our commitment to excellence provides unmatched product quality, coupled with speed, safety and superior sales services.



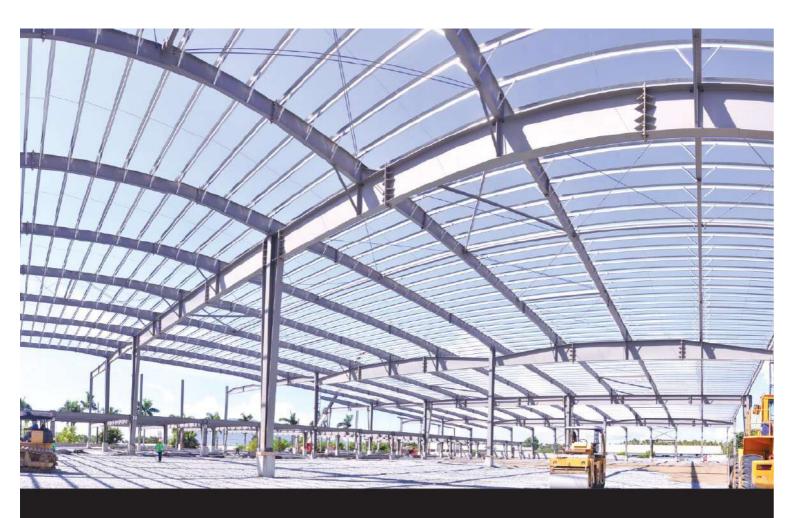


VISION

To be recognized as the global leader for the design, manufacture, supply and erection of Pre-Engineered Steel Buildings (PEB) and Structures

MISSION

Kirby will achieve this vision by consistently delivering high-quality products to our customers, accompanied by personalized service and a commitment to excellence.

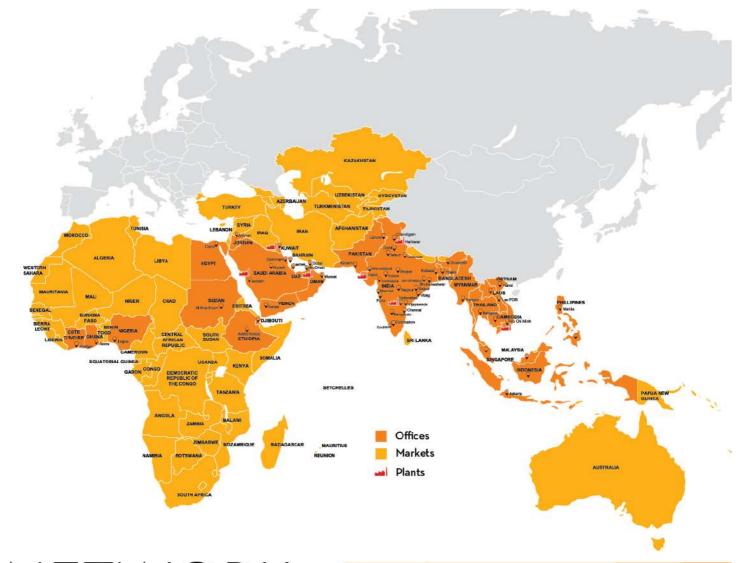


Straight-talking: We encourage open debate where the best ideas win.

- Customer centric: We put our customers at the center of our focus and initiatives with the objective of providing them with unmatchable levels of services and products
- Teamwork: We actively share information and ideas, enthusiastically working to make those around us better
- Diversity and respect: The diversity of our workforce is an asset and we treat everyone with dignity and respect regardless of status, gender, education, ethnicity or religion.

VALUES

- Empowerment: We empower people to make decisions with a bias for action.
- Employees as core assets: We believe that our employees are our most valuable resource, and do whatever it takes for their continuous training, development and motivation.
- Meritocracy: The rewards and career advancements of our people are based on their performance and capabilities, not on their influence.



NETWORK

MANUFACTURING PLANTS

Vietnam

Dong Nai

India

- Hyderabad
- Haridwar
- Halol Gujarat

Kuwait

Mina Abdullah

UAE

Ras Al-Khaimah

SAUDI ARABIA

⊒ا Jeddah 10

KIRBY REGIONS

Gulf Co-operative Countries (GCC)

Middle East

India

Africa

South East Asia

Europe & CIS Countries

KIRBY SEA SALES NETWORK

Asia Pacific

Vietnam Singapore Myanmar Indonesia Malaysia Laos

Thailand Philippines Cambodia

South Asia & Oceania

Bangladesh Australia Sri Lanka New Zealand

CUSTOMER BASE

Kirby SEA has designed, fabricated and supplied more than 1500 steel building to various customers across South East Asia, Africa, Ocenia and Bangladesh. Some major customers include: Posco E&C, Panasonic, Huyndai, American Standard, Néstle, Eurowindow, Shimizu, Meada, Nakano, Vinamilk, TH Milk, VinaCapital, Toyo, Fujita, Obayashi, Shimizu, Nishimatsu, Vinata, KC Metal, Channakorn M&R, Channakorn Engineering, Hemraj Industrial Park, C.P, Penna, Tricharoen, Kajima, Cofico, CotecCons, Thaco, Fuco Steel, SMC steel, Gemadept, Sumi, Delta, Rebel Steel, Nova Tech, Nepean group, Ananta Huxiang, S.S.L, MMI, KB Max, TKM and many more...

































































































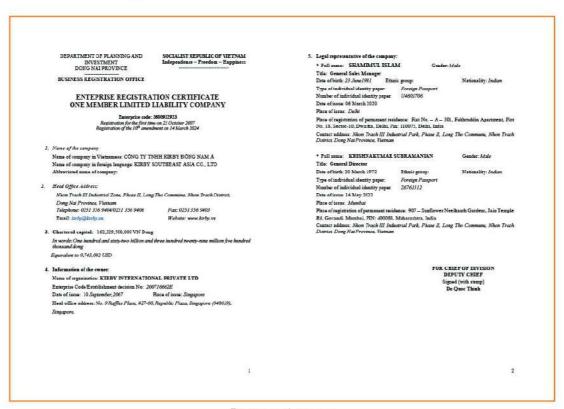








BUSINESS LICENSE & TAX REGISTRATION



Business License



Tax Registration & ENAYA Professional Indemnity Insurance

CERTIFICATIONS



AMERICAN INSTITUTE OF STEEL CONSTRUCTION CERTIFICATION PROGRAMS

PROUDLY RECOGNIZE THAT

Kirby Southeast Asia Co., Ltd.

MAINTAINS OPERATIONS LOCATED AT

Nhon Trach III Industrial Zone, Phase II Nhon Trach, Dong Nai VNM

THAT SUCCESSFULLY MEET THE QUALITY CERTIFICATION REQUIREMENTS FOR

Building Fabricator

.....

Ole Cat

CERTIFICATION NUMBER

ISSUED

VALID THROUGH

C-00023981

January 23, 2024

February 28, 2025

Certificate of AISC



ISO 9001:2015

CERTIFICATIONS



ISO 45001:2018 and ISO 14001:2015

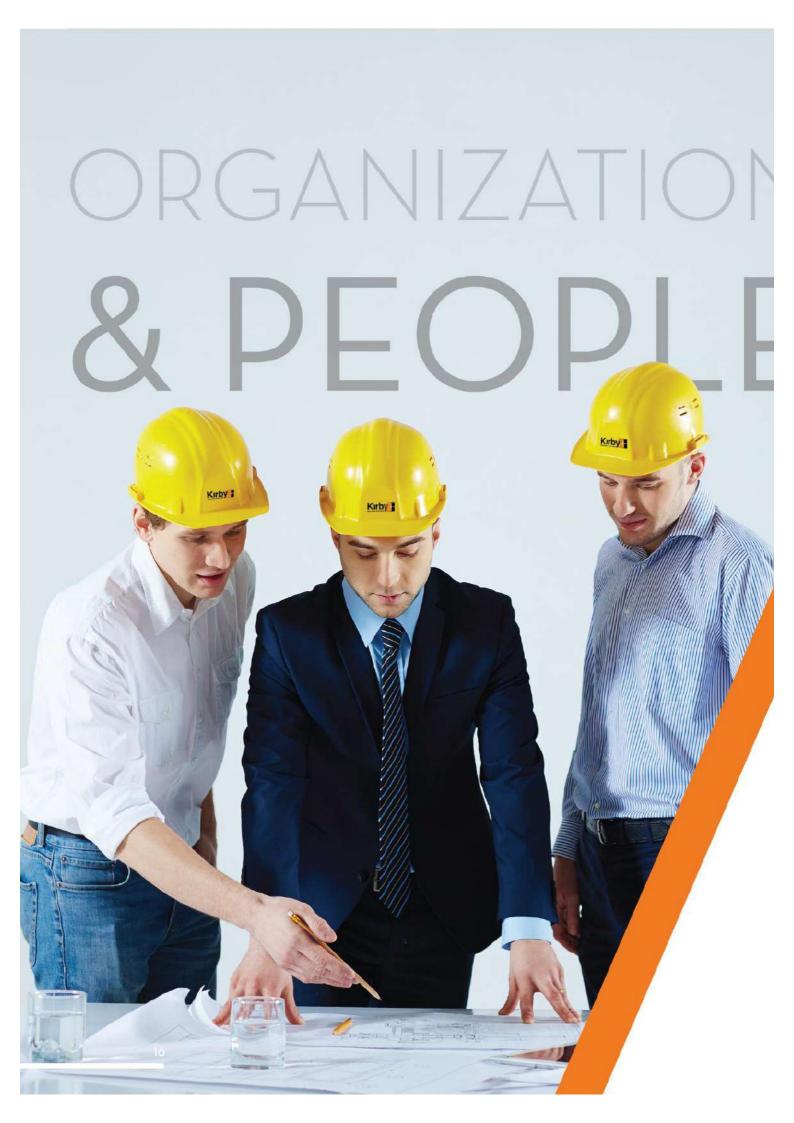


EN ISO 3834 -2:2021

CERTIFICATIONS



EN 1090



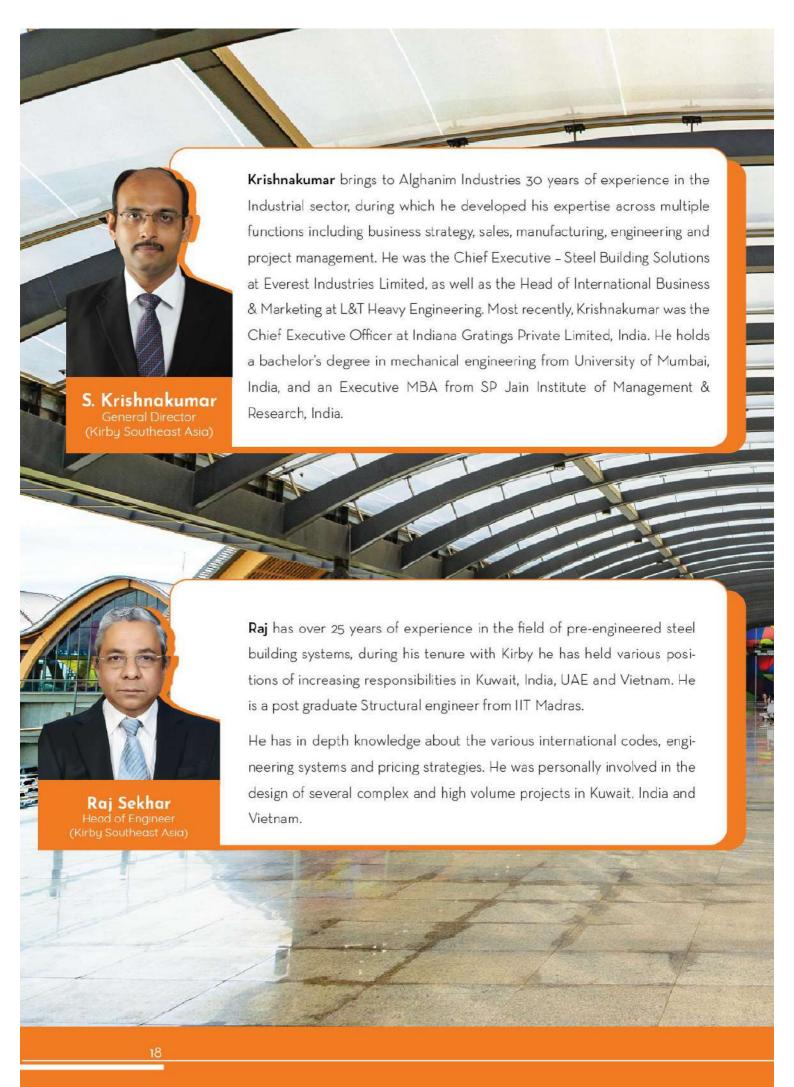
ORGANIZATION & PEOPLE

Executive Team

Organization Chart

Manpower

Representative Offices

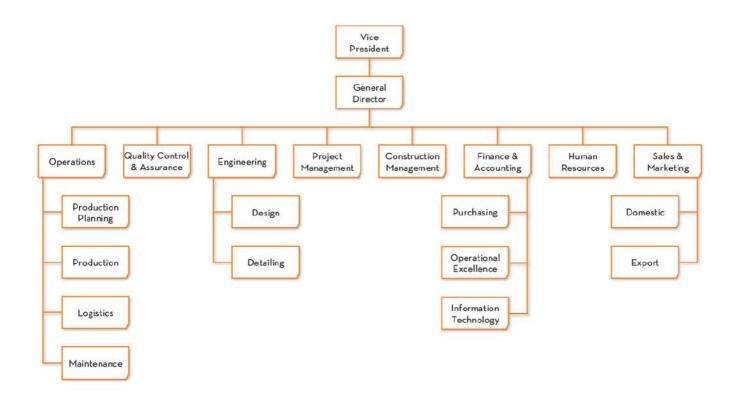








ORGANIZATION CHART



MANPOWER

No. of Management Personal	10	No. of management personal with MBA Degree	10
No. of Engineers	100	No. of Engineers with University Degree (include IWS, BGAS-CSWIP and NDT Inspectors)	100
No. of Sales Staff	33	No. of Sales Staff with English and National language Ability	20
Workers	300	Certified Welders issued by Bureau Veritas	18
Total	443		

OUR SALES NETWORK

For Kirby Southeast Asia

HO CHI MINH, VIETNAM (Head Office)

Address: 7th Floor, Phuoc Thanh Building, 199 Dien Bien Phu Str., Ward 15, Binh Thanh District, Ho Chi Minh City, Vietnam

Telephone: (+84) 28 5422 1155 **Email:** sales@kirby.vn

MALAYSIA & SINGAPORE

Malaysia: 5029b, Jaln Kenari 1, Bandar Putra, 81000 Kulai, Johor, Malaysia

Singapore: 3, Church Street, #25-01, Samsung Hub, Singapore - 049483

Mr. Praveen Kumar - Area Sales Manager

Mobile phone: (+65) 9759 8170 Email: praveen.kumar@kirby.vn

YANGON, MYANMAR

Address: C-203, Aung Chan Thar Housing, East Shwe Gon Daing Road, Bahan Township, Yangon, Myanmar

Mr. Zar Ni Tun - Myanmar Sales Manager

Mobile phone: (+95) 92 5008 0628 Email: zarnitun@kirby.vn

MANILA, PHILIPPINES/ FIJI/ PAPUA NEW GUINEA

Manila: Unit 1506, Jollibee Centre Building, San Miguel Avenue, Ortigas Center, Pasig City, Metro Manila, Philippines

Mr. Sanjiv Ojha - Philippines Sales Manager

Mobile phone: (+63) 917 636 9772 Email: sanjiv.ojha@kirby.vn

DAVAO, PHILIPPINES

Address: Unit 316, Pink Walters Building, Sandawa, Ecoland, Davao City

Mr. Anthony Flora D. Flora - Sales Engineer

Mobile phone: (+63) 917 186 3347 Email: anthony.flora@kirby.vn

JAKARTA & KALIMANTAN, INDONESIA

Address: B-21, Ruko Grand Orchard, Jalan Terusan Kelapa Hybrida, Kelapa Gading, Jakarta - 14140

Mr. Saurabh Pratap Upadhyay - Indonesia Sales Manager

Mobile phone: (+62) 811 8705 002 Email: saurabhpratap.u@kirby.vn

BANGKOK, THAILAND

Address: 50/1 Channakorn Engineering Tower 9th floor, Ngamwongwan Road, Ladyao, Chatuchack, Bangkok 10900, Thailand

Mr. Nguyen Ngoc Vinh - Thailand Sales Manager

Mobile phone: (+66) 61 991 8896 Email: ngocvinh.nguyen@kirby.vn

VIENTIANE, LAOS

Address: No 141 at Ban Dongpalanthong, Sisattanak Dist, Vientiane Capital, Lao PDR.

Mr. Tananut Hinlad - Sales Engineer

Mobile phone: (+66) 82 818 3569 Email: tananut.hinlad@kirby.vn

CAMBODIA & AUSTRALIA

Email: sales@kirby.vn

BANGLADESH & SRI LANKA

Email: sales@kirby.vn



ENGINEERING EXPERISE

Engineering Center of Excellence

Design and Detailing

Applicable Design Code

Material Specifications

ENGINEERING EXPERTISE

ENGINEERING CENTER OF EXCELLENCE

Kirby Building Systems' Engineering Center of Excellence is a world-class Research and Development facility to enhance the company's expertise for its wide range of customized and innovative products – Pre-Engineered Steel Buildings, Structural Steel and Storage Solutions. The center provides leadership, best practices, research, support and training in focused areas to revitalize the existing products and also develop new expertise in steel. The center addresses the significant engineering challenges associated with designing these structures to help the world develop sustainable innovations. All the buildings are custom designed using the latest domestic / international codes and standards such as MBMA, AISC, AISI, IS and AWS which are most optimized & economical in nature able to meet all the customer needs. The design and detailing process is carried out using sophisticated software packages.

The centre of excellence, located in India, consists of more than 500 highly experienced structural engineers with industry domain knowledge to cater to the company's various requirements across the globe. This team ensures that all the customers receive the best of the product with very high value and minimal risk and maximize the return on investment to derive most of the benefits in each and every step of the project.

DESIGN & DETAILING

The engineering department uses the latest versions of internationally renowned industry standard 3D and 2D software for designing and detailing. Kirby upholds its position at the cutting edge of the industry due to its commitment to quality and customer satisfaction. Skilled structural engineers using the very latest in computerized engineering design and detailing systems that permit the selection of the most economical, accurate and efficient framing and cladding systems. The Engineering Department is fully computerized, utilizing the latest software packages to enable them to produce the most economical structures in the shortest time possible. The software packages most frequently used are:

Pakage	Description	Specifications/ Code
STAAD.Pro	Hot-Rolled & Built-up Sections	BS 5950 A.I.S.C
PROKON	Design of steel connections and column base plates	BS 5950
Kirby Building Systems Kuwait Co. MATRIX	Design of Built-up Sections	A.I.S.C
SmartEST	Design and Estimating	A.I.S.C
ETAB/	Multi-story building analysis and design	A.I.S.C

ENGINEERING EXPERTISE

The Drafting office is also fully computerized and uses the following main software packages:

Pak age	Description
AutoCAD*	Preparation of GA Drawings & Fabrication Drawings - Miscellaneous Wor
b ocad°	3D Modeling - Detailing of Connections, curved structures and angle towe Automatic Generation of Fabrication Drawings, Production & Material Lis
X	3D Modeling - Detailing of Connections - Automatic Generation of Fabricrs - Drawings, Production & Material Listings tings
TEKLA	Manage detailing, fabrication and erection of steel structures

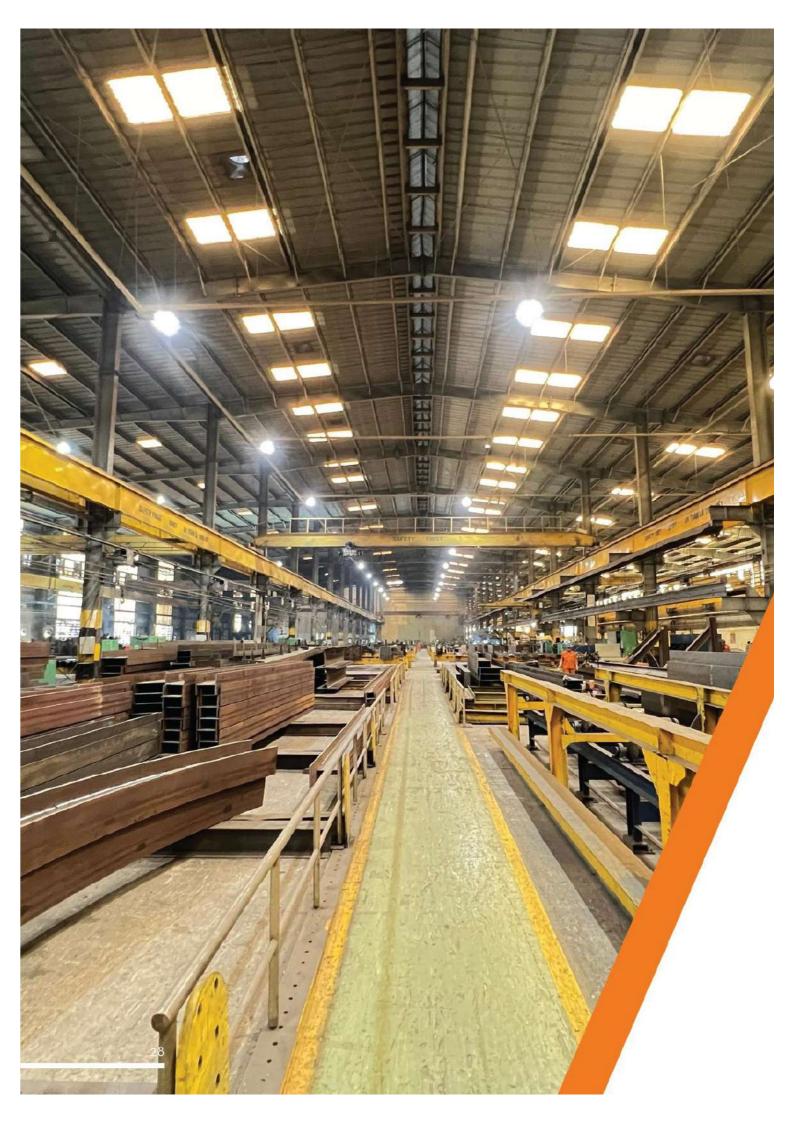
APPLICABLE DESIGN CODE

- Specification for Structural Steel Buildings, American Institute of Steel Construction, North American Specification for the Design of Cold-Formed Steel Structural Members – AISC March 9, 2005 Latest Edition (ANSI/AISC 360-05) for Working Stress and AISC 360-10 for Limit State Design.
- American Iron and Steel Institute, AISI 2007 Latest Edition and NAUS 2007
- Metal Building Systems Manual, Metal Building Manufacturers Association, MBMA 2010 latest Edition.
- Minimum Design Loads for Buildings & other Structures, ASCE/SEI 7-10 latest Edition
- International Building Code 2012 (IBC 2012) latest Edition.
- Structural Welding Code-Steel, American Welding Society, AWS D1.1/D1.1M-2008 latest Edition.
- Euro Codes/BS

MATERIAL SPECIFICATIONS

All materials conform to the following specifications or equivalent

- 1. Built-Up Sections: ASTM A 572 Gr 50 (Fy = 50 Ksi)
- 2. Hot-Rolled Sections: ASTM A 572 Gr 50 (Fy = 50 Ksi)
- 3. Rod-Bracing: ASTM A 36 (Fy = 36 Ksi)
- 4. Tubes: SHS ASTM A 500 Gr 'C' (Fy = 48 Ksi) / CHS ASTM A 53 GrB (Fy = 36 Ksi)
- 5. Cold-Formed Sections: ASTM A 1011/A607 (Fy = 65 Ksi)
- 6. Roof & Wall Sheeting: ASTM A 792 Gr 50 (Fy = 50 Ksi)
- 7. High Strength Bolts: ASTM A 325 (Fy = 95.6 Ksi)
- 8. Anchor Bolts/Rod-Bracing: ASTM A 36 (Fy = 36 Ksi)



Global Plants

List of Machineries

Fabrication Process Flow Chart

GLOBAL PLANTS

Kirby Building Systems is the first company to introduce Pre-Engineered Steel Buildings technology in Middle East region in 1976 and later in India in 1999. We are proud to say that we have delivered the World's largest Pre-Engineered Steel Building some thing that shows the edge we have over our competition. All our manufacturing facilities are ISO 9001 certified. Kirby has commissioned its PEB construction plant in 2008 in Vietnam to cater to the South East Asia region.





























LIST OF MACHINERIES

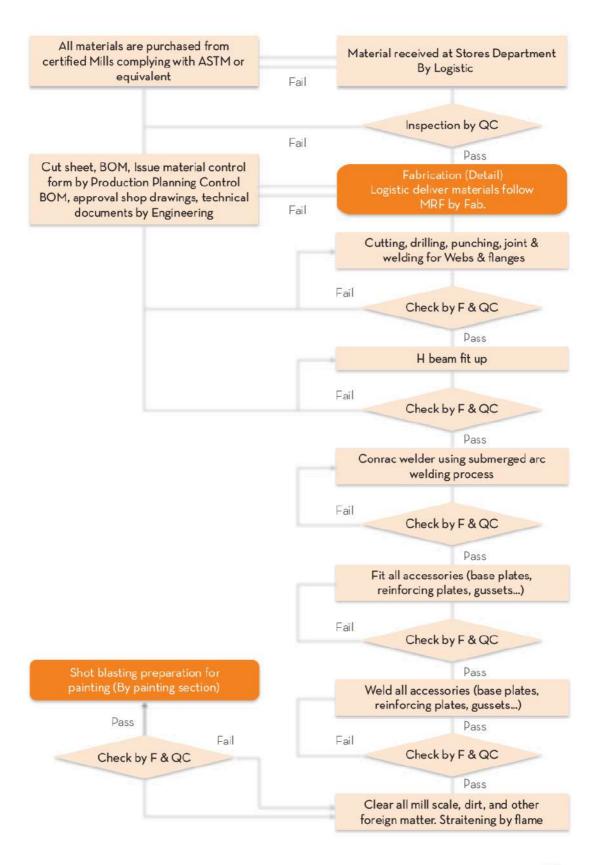
No.	Equipment		
H Bean	H Beam line		
1	16 mm Hydraulic Shear		
2	25 mm Shear		
3	CNC Multi Torch with Plasma		
4	Power Press 200 Tons		
5	Radial Drilling M/Cs with Coolant Pump & work light		
6	Flange Line		
7	Grinder		
8	Vacuum Lifters		
9	Flange Stacker Crane-3 T		
10	Vacuum Lifters		
11	Jib Cranes for Conrac		
12	Crane-10 T		
13	Crane-5 T		
14	Jib Crane - 2 T		
15	Automatic CNC Punching M/c for Flange Line		
16	H-Beam Welder with Seam Welder & Infeed/Output Conveyors (1200mm)		
17	H-Beam Welder with Seam Welder & Infeed/Output Conveyors (1800mm)		
18	Flux Drying Oven		
19	LT -7 Submerged Arc Welder		
20	MIG Welding M/c		

21	Arc Welding M/c
22	Shot Blasting M/c
23	Pneumatic Grinders
24	Gas Cutting Equipment
25	Airless Spraying equipment
26	Hand Pallets & Material Handling Equipment
27	Nitto Broach Cutter
28	Nitto Punching M/c
C&F L	ine
29	Z-Line
30	C&E Line
31	Crane-5 T
32	Snap lock M/C
33	Angle Forming Line with Power pack
34	13mm Shearing M/c
35	Iron Worker
36	60 T Press
37	110 T Press
38	45 T Press
39	K R Profile Roll Former
40	Standing Seam Roll Former
41	Deck Panel Line

LIST OF MACHINERIES (CONT.)

No.	Equipment
42	Downspout Line
43	Press Brake
44	Hemming M/c
45	CTL / Slitter
46	Curved Panel Press
47	45 T Small Press Brake
48	Hydraulic Bending M/c(Folding M/C)
Works	hop Equipment
49	Milling M/C f
50	Lathe M/c
51	Surface Grinder M/c
52	Pillar Drilling M/C
53	Grinder
Factor	y Utility
54	Generator (500 KVA , 721.6 A)
55	Air compressor (125 HP , 94 KW)
56	Air dryer (4 HP, 8 A)
57	UPS backup system (24 KWh , 220V AC)
58	Fork Lift - 5 Tons
59	Fork Lift - 3 Tons
60	Weighbridge
61	Gantry

FABRICATION PROCESS FLOW CHART







Quality Control Procedure

List of Testing Equipment

QUALITY CONTROL PROCEDURE

escription	Characteristic	Type of check	Extent of check	Specifications & Acceptance Standards	Inspe By Kirby	Ву			
1.0 RAW MAT	1.0 RAW MATERIALS								
1.1 eel plates St	a. Chemical & physical b. Mechanical testing c. Dimension	a. Mill T.C verification b. Lab test c. Measurement (Thickness, length & width)	a. 100% b. 1 out of 10 heats c. Min. 1 piece in a lot.	a. ASTM A572 Gr50 (or equivalent) b. ASTM A572 Gr50 (or equivalent) c. ASTM A6	R W I	R R R			
	d. Condition of material	d. Visual inspection	d. Min. 1 piece in a lot	d. Should not be rusted and pitted	1	R			
ot rolled ctions Beam,	a. Chemical & physical b. Mechanical testing c. Dimension	a. Mill T.C. verification b. Lab test c. Measurement as	a. 100% b. 1 piece out of every lot. c. Min. 1 piece in	a. ASTM A572 Gr50 (or equivalent) b. ASTM A572 Gr50 (or equivalent) c. ASTM A6	R W	R R R			
H ngle) se (I	d. Condition of material	per purchase order d. Visual inspection	a lot. d. Min. 1 piece in	d. Should not be rusted and pitted	1	R			
Round bars (Anchor bolt, sag rod, 1brace rod)	a. Chemical & physical properties b. Mechanical testing (only for anchor bolt) c. Dimension d. Condition of material	a. Mill T.C. verification b. Lab test c. Measurement as per purchase order d. Visual inspection	a. 100% b. 1 piece out of every lot. c. Min. 1 piece in a lot. d. Min. 1 piece in a lot	a. JIS G3101 SS400 (or equivalent) b. JIS G3101 SS400 (or equivalent) c. Kirby technical standards d. Should not be rusted and pitted	R W I	R R R			
	a. Chemical & physical properties b. Mechanical testing c. Dimension d. Condition of material	a. Mill T.C verification b. Lab test c. Measurement (thickness & width) d. Visual inspection	a. 100% b. 1 piece out of every lot. c. Min. 1 coil in a lot. d. Min. 1 coil in a lot	a. ASTM A792M Gr340 (or Equivalent) b. ASTM A792M Gr340 (or Equivalent) c. ASTM A924M d. Should be free from black spot, scratch & rust	R W I	R R R			
Pre- Galvanized sheeting coils (for purlin, girt, eave strut)	a. Chemical & physical properties b. Mechanical testing c. Dimension d. Condition of material	a. Mill T.C verification b. Lab test c. Measurement (thickness & width) d. Visual inspection	a. 100% b. 1 piece out of every lot. c. Min. 1 coil in a lot. d. Min. 1 coil in a lot	a. ASTM A653M Gr340 (or equivalent) b. ASTM A653M Gr340 (or quivalent) c. ASTM A924M d. Should be free from black spot, scratch & rust	R W I	R R R			

QUALITY CONTROL PROCEDURE

1.6 Square hollow sections	a. Chemical & physical properties b. Mechanical Testing c. Dimension d. Condition of Material	a. Mill T.C. Verification b. Lab Test c. Measurement d. Visual Inspection	a. 100% b. 1 piece out of every lot. c. Min. 1 piece in a lot. d. Min. 1 piece in a lot.	a. ASTM A500 Gr50 (or Equivalent) b. ASTM A500 Gr50 (or Equivalent) c. ASTM A500 Gr50 (or Equivalent) d. Should not be rusted and pitted	R W I	R R R
2.0 BOUGHT	-OUT ITEMS					
2.1 Insulations	a. Density & dimension b. Condition of material	a. T.C. verification b. Visual inspection	a. Min.1 piece in a lot b. Min.1 piece in a lot	a. BOM b. Should not be damaged	l i	R R
HS Bolts/ Nuts/ Washers	a. Chemical & physical properties b. Mechanical Testing c. Dimension d. Condition of Material	a. Mill T.C. verification b. Lab Test c. Measurement d. Visual Inspection	a. 100% b. 1 sets in a lot & max 5 sets c. Min. 1 set in a lot d. Min. 1 set in a lot	a. ASTM A325M/ A563M/ F436M b. ASTM F606M/ A370M c. ANSI B18.2.3.7M/ B12.4.6M/ ASTM F436M d. Should not be rusted and pitted	R W I	R R R
2.3 MS Bolts/ Nuts/ Washers	a. Chemical & physical properties b. Mechanical testing c. Dimension d. Condition of material	a. Mill T.C. verification b. Lab test c. Measurement d. Visual inspection	a. 100% b. 1 sets in a lot & max 5 sets c. Min. 1 set in a lot d. Min. 1 set in a lot	a. ASTM A307M/ A563M/F436M b. ASTM F606M/ A370M c. ANSI B18.2.3.5M/ B12.4.1M/ B18.22 d. Should not be rusted and pitted	R W I	R R R
2.4 Roll-up/ Sliding Doors	a. Dimension b. Condition of material	a. Measurement b. Visual inspection	a. 100% b. Min.1 piece in a lot	a. Drawing, BOM b. Should not be rusted and damaged	I I	R R
2.5 Windows	a. Dimension b. Condition of material	a. Measurement b. Visual inspection	a. 100% b. Min.1 piece in a lot	a. Drawing, BOM b. Should not be rusted and damaged	Î	R R
2.6 Louvers	a. Dimension b. Condition of material	a. Measurement b. Visual inspection	a. 100% b. Min.1 piece in a lot	a. Drawing, BOM b. Should not be rusted and damaged	Î	R R
2.7 Ridge ventilator parts	Dimension	Measurement	100%	Drawing	Î	R
2.8 Paint	Chemical & physical prop./ Specifications	Mill T.C./ Data Sheet verification	100%	Job Spec.	R	R

QUALITY CONTROL PROCEDURE (CONT.)

Description	Characteristic	Type of check	Extent of check	Specifications & Acceptance Standards	Inspe By Kirby	Ву
2.9 Welding Consumables	Chemical composition/ Mechanical properties	Test Certification verification	100%	AWS A5.1/5.17/5.20 Supplier's Spec.	R	R
3.0 IN-PROC	ESS					
3.1 Welding qualification	a. WPS b. PQR c. WPQ	a. Verification b. Verification c. Verification	a. 100% b. 100% c. 100%	a. AWS D1.1 b. AWS D1.1 c. AWS D1.1	V V	R R R
3.2 Fabricatio	n Process for Built up be	eams				
3.2.1 Cutting/ Shearing/ Drilling	Dimension	Measurement	Patrol inspection	Drawing/MBMA	ľ	24
3.2.2 Flange to Flangetit-up & welding	Dimension	Measurement	Patrol inspection	AWS D1.1	1	22
3.2.3 Web to web fit-up and welding	Dimension	Measurement	Patrol inspection	AWS D1.1	I	7.7
a. Flange to web fit up b. Flange to web welding	a. Dimension b. Welding	a. Measurement b. Visual inspection	a. Patrol inspection b. Patrol inspection	a. Drawing/MBMA b. AWS D1.1	1	22
3.2.5 Fit up of base/ Splice plates and parts	Dimension	Measurement	100%	Drawing/MBMA	ľ	R
3.2.6 Full Welding	Free from weld defects	Visual inspection	100%	AWS D1.1	I	R
3.2.7 Non Destructive Examination on welds	a. Fillet Welds b. Butt Welds (Thickness >= 8mm)	a. MPT b. UT	a. 2% Min. b. 5% Min.	a. AWS D1.1 b. AWS D1.1	I I	R R

QUALITY CONTROL PROCEDURE (CONT.)

3.2.8 Final Inspection	Dimension	Measurement	100%	Drawing/MBMA	1	R
3.2.9 Surface Preparation and Painting	a. Surface Cleaning b. Dry-Film Thickness c. Quality of Coating	a. Visual Inspection b. Measurement c. Visual Inspection	10% Min. 10% Min. 10% Min.	SSPC/ Job Spec. SSPC/ Job Spec. SSPC/ Job Spec.	1	R R R
Cold Forming process for Purlin C, Z & Angle L	Dimension	Measurement	Patrol inspection	Drawing	Ţ	R
3.4 Sheeting Forming Process	a. Dimensional b. Free from scratch, dent etc.	a. Measurement b. Visual Inspection	Patrol inspection	Drawing	1	R
3.5 Shipping Inspection	Free from damage, distortion, un-painted areas, and visual defects.	Visual Inspection	Patrol inspection	As per Packing List	1	

LEGEND

QCM: Quality Control Manual : Inspection

R : Review WPQ: Welder / Welding Operator Performance Qualification

: Witness WPS: Welding Procedure Specification : Verification PQR: Procedure Qualification Record

MPT : Magnetic Particle Testing LOT : Qty send by Supplier against 01 Mill TC.

UT : Ultrasonic Testing

LIST OF TESTING EQUIPMENT

No.	Name of Equipment	Quantity
	DIMENSION TESTING EQUIPMENT	
1	Vernier Caliper/ Length 200, 300mm/ Acc 0.05	4
2	Digital Caliper/Length 300mm/Acc 0.01	1
3	Outside Micrometer/Range 0-25mm, 25-50mm/Acc 0.01	2
4	Measuring Tape/Length 8m	4
5	Convex Ruler/Length 20m, 30m, 50m	5
6	Straight Steel Ruler/Length 150mm, 1m	6
7	Square Ruler/Size 200x300, 250x500	4
8	Universal Bevel Protractor/Length 300mm/Angle 0~90	î
9	Combination Square Sets/Length 300mm	1
10	Feeler Gage Set/Range 0.5 ~ 1mm/(20pcs)	2
11	Metric Taper Gage/Size 1mm ~ 15mm	4
12	Thread & Pitch Gage/21 Pcs	2
13	Thread Gage/30 Pcs	2
	WELDING TESTING EQUIPMENT	
14	Welding Gage	1
15	Temperature Indicator/Non-Contact Thermometer	ī
16	Ultrasonic Testing Machine/Epoch LTC	1
17	Magnetic Partical Testing Machine Type B-300S	1
	PAINTING TESTING EQUIPMENT	
18	Dewmeter/Humid 20% ~ 99% / Temp. 0°C ~ 50°C	1
19	Surface Thermometer	i
20	Surface Roughness Comparator Chart for Girt	1
21	Testex Replica Tape	1

LIST OF TESTING EQUIPMENT

22	Foil Thickness Gage	1
23	Wet Film Thickness Gage	1)
24	Dry Film Thickness Gage	2
25	Cross Hatch Test	2
26	Tensile Adhesion Tester & Acc. & Epoxy	17
27	Conical Mandrel Test Apparatus	1
28	Bresle Salt Kit and Patches	1.
29	Dust Tape Test Kit	1
30	Surface Roughness Tester (Model: TR200)	1
	MATERIAL TESTING EQUIPMENT & OTHERS	
31	Universal Testing Machine (Model:TUE-C-400)	1
32	Rockwell Hardness Tester (Model: MRS)	1,
33	AC/DC Clamp Meter/Kyoritsu Type 2003A	1
34	Contamination Checking Kit	1
35	Precision Scale 210g	1
36	Microscope	1

TESTING EQUIPMENTS



Dry Film Thickness Gage



Cross Hatch Test



Universal Testing Machine



Precision Scale



Microscope



Outside Micrometer



Magnetic Particle Testing Machine



Digital Caliper



Conical Mandrel Test



AC/DC Clamp Meter



Wet Film Thickness Gage



Foil Thickness Gage

TESTING EQUIPMENTS



Surface Thermometer



Temperature Indicator



Ultrasonic Testing Machine



Combination Square Sets



Universal Bevel Protractor



Rockwell Hardness Tester



Dust Tape Test Kit



Bresle Salt Test Kit



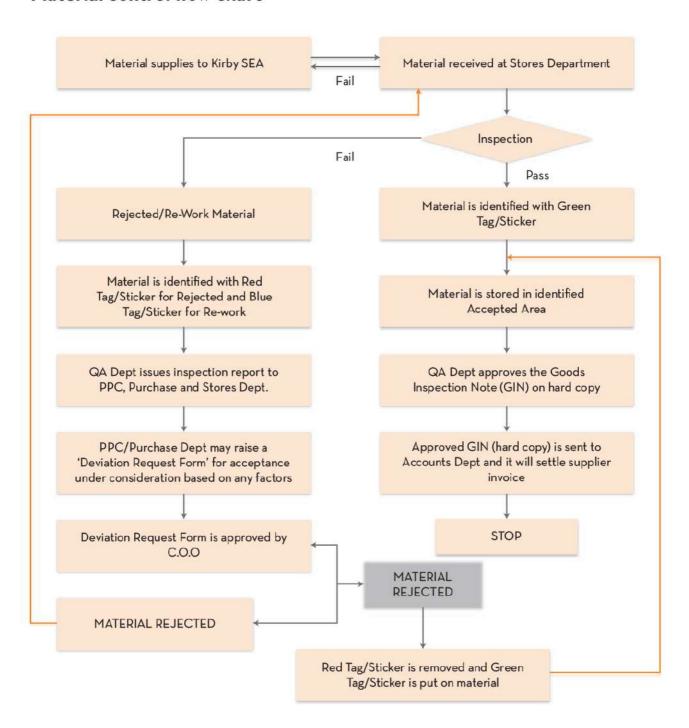
Tensile Adhesion Tester



Dewmeter/Humid 20% ~ 99% / Temp. 0°C ~ 50°C

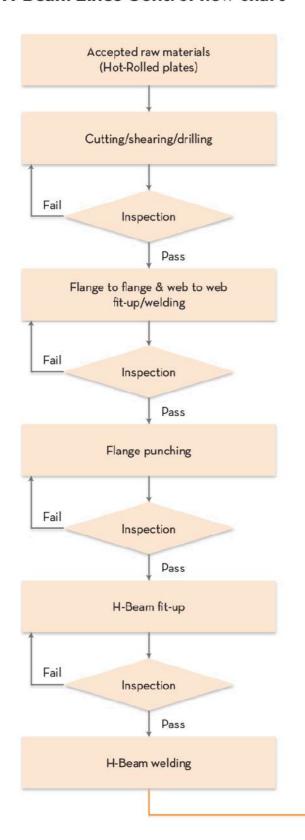
QUALITY CONTROL FLOW CHART

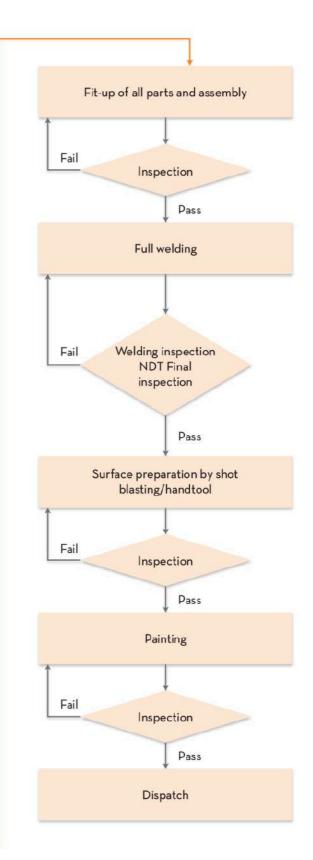
Material control flow chart



QUALITY CONTROL FLOW CHART

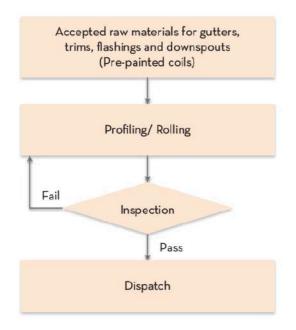
H-Beam Lines Control flow chart

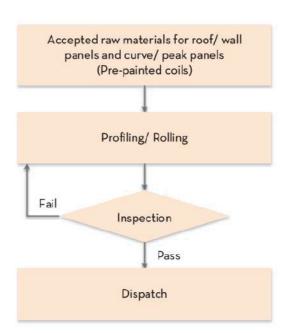


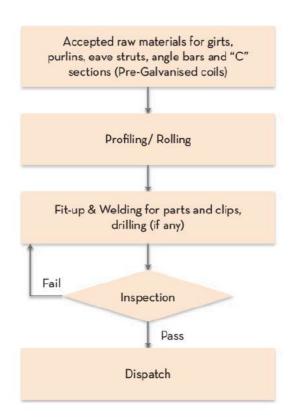


QUALITY CONTROL FLOW CHART (Cont.)

Cold Form & Sheeting lines







QUALITY ACTIVITIES

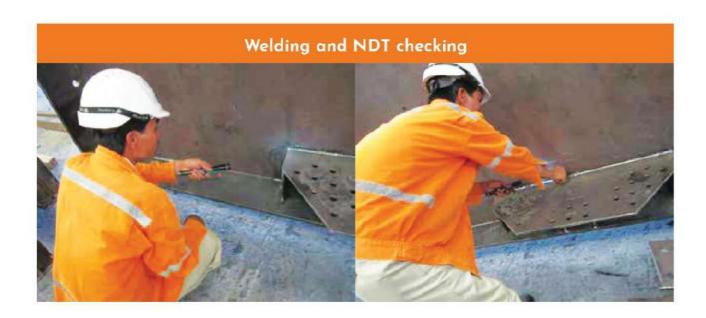






QUALITY ACTIVITIES





QUALITY ACTIVITIES





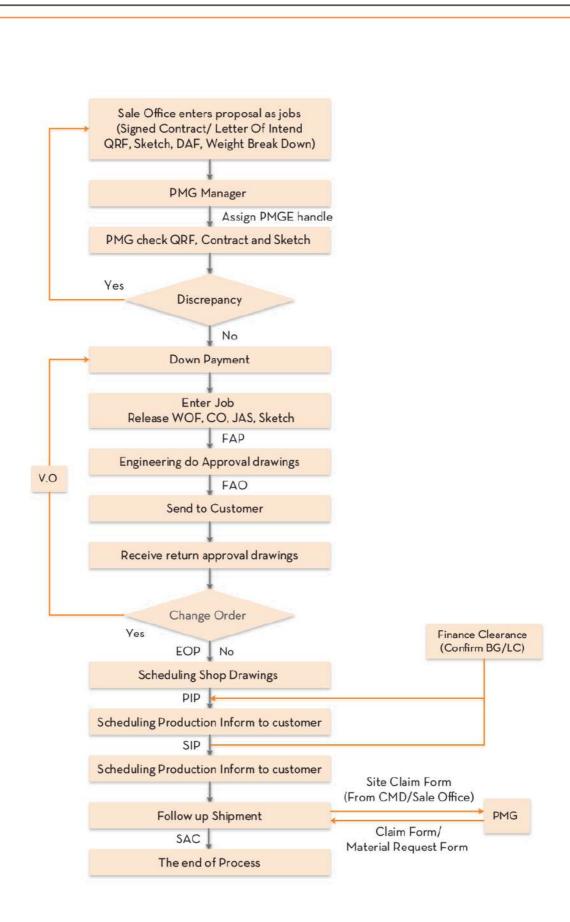


PROJECT & CONSTRUCTION MANAGEMENT

Project Management

Construction Management

PROJECT MANAGEMENT



CONSTRUCTION MANAGEMENT

From Our Factory to Your Building

Kirby SEA offers erection services through its authorized builders in Vietnam and supervision services in other regions of SEA.

There are over 85 Kirby certified builders in the region. They have undergone intensive training on erecting buildings of varying complexity and for different applications. Kirby certified builders are highly competent and offer skilled expertise to clients. The local Kirby certified builder offers comprehensive services from construction to complete turnkey solutions.

Kirby provides extensive technical advisory services to its clients - from selection of appropriate structures and economic design to adaptation of local building codes. To ensure excellent quality and customer satisfaction, Kirby's Technical Service representatives monitor and supervise the entire project until completion.

Safety First

Kirby has a commitment to manufacture quality-building components that are designed to meet the structural requirements of the building.

The safe working condition and accident prevention practices are always on top priority for Kirby. We adhere to national safety and health standards to ensure safety of team working on site.

We collaborate with all parties present on the job site, including owners, architects, engineers, contractors, subcontractors, delivery personnel, and employees among others to implement safety plan.

We ensure that the employees understand the safest and most productive way of erecting a building along with emergency telephone numbers, location of first aid stations and emergency procedures. We do not allow workers to work during inclement weather condition like high wind/typhoon, lightning and rain.

We hold daily meetings highlighting safety procedures and the usage of hard hats, rubber sole shoes for roof work, proper equipment for handling material and appropriate safety gear, including nets where necessary.

Introduction

Kirby manufactures high quality, pre - engineered metal buildings. Quality Installation is essential to complete the structure to the satisfaction of the customer.

The installation procedure defined in our installation manual intends to provide Kirby Builders and or installation personnel the recommended procedures for erecting Kirby Buildings safely and efficiently.

The AISC's "CODE OF STANDARD PRACTICE" governs the fabrication tolerances, Installation methods, and all field work associated with the project in question.

Storage and protection

We give lots of importance to correct storage of materials at site. We advice our customers to store all the materials prone to formation of white rust under dry condition with proper cover to avoid water ingress. Our builders ensure that the materials are unloaded and are kept at defined place.

Installation

Our trained builders follow the methods statement to erect the building ensuring that the structure is adequately braced at all times before raising the next component. The structure is secured with temporary or permanent bracing before release of raising equipment and at the end of the day, weekends or other shutdowns. When commencing Installation of the building, the first braced bay is erected with all the bracing, eave struts, purlins, girts and flange braces completely installed and all bolts properly tightened to make certain that the building is properly braced.

CONSTRUCTION MANAGEMENT

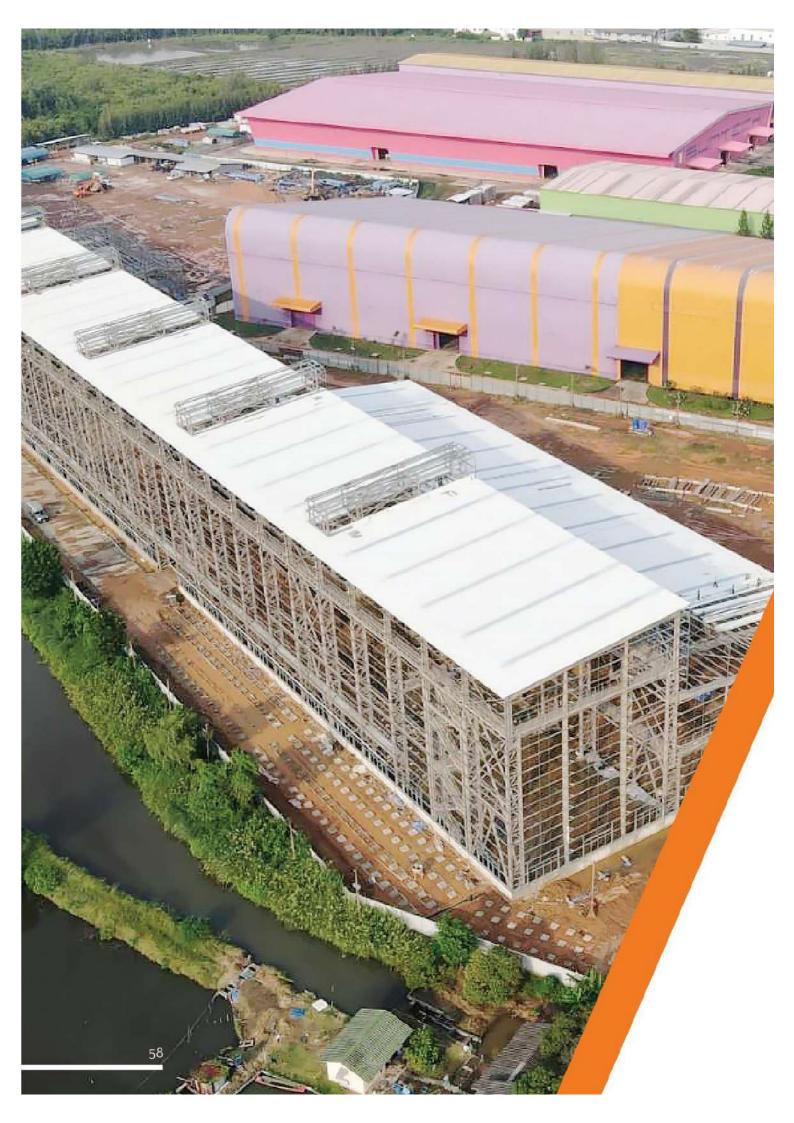
RECOMMENDED TOOLS & EQUIPMENT

The following list of tools and equipment is considered adequate for Installation of most Kirby Buildings. Actual equipment required may vary due to differences in buildings type and size, job site conditions and Installation personnel. This list is intended to serve as a recommendation only and should not be used as a limitation to your inventory of Installation equipment. Use and maintenance of power equipment should be in accordance with the general guidelines set forth in this manual.

Equipment	Q'ty	Specification
Screw Guns (HILTI ST 18 / BOSCH GSR-625TE)	2	With magnetic Hex socket heads & replacement drives
Sheet Metal Nibbler (HITACHI)	1	Electric sheet cutting tool with replacement bits.
Power Impact Wrench (BOSCH GDS 30)	2	With assortement of impact sockets - 12mm to 24mm
Electrical Drill Motors (BOSCH/ KPT/ HITACHI	2	12mm (1/2") with twist drill
Skill Saw (HITACHI / BOSCH /DEWALT)	1	Electric or gas powered with metal & Carbide tip blades.
Electric Extension Cords		Sufficient for maximum numbers of tools used at once
Electric Arc Welder (ADWANI)	1	With leads and extra welding head
Generator	1	To supply job site electrical power.
Gas Cutting Torch	1	With hose, gauges and replacement heads
Socket Wrenches (HAWS / TAPARIA) and ratchet drive hadle	2	Sets 12 mm (1/2") drive with assorted sockets
Spud Wrenches (TAPARIA/HAWS/EVEREST)	5	Each assorted sizes 12 mm to 24mm
Box End Wrenches (TAPARIA/HAWS/EVEREST)	2	Sets assortment 12 mm to 24 mm
Open End Wrenches (TAPARIA/HAWS/EVEREST)	2	Sets assorted sizes 12 mm to 24 mm
Vice Grip Pliers	10	
Pop Rivet Tool (STAR)	2	Manual
Hammers	2	EA Shop, Sledge, Rubber
Sheet Metal Cutter (RIDGE)	1	EA left, right, straight
Wrecking Bars	2	Heavy Duty
Drift Pins	4	Heavy Duty

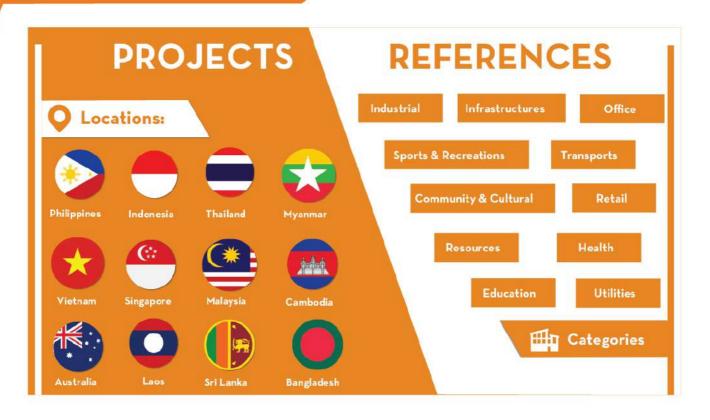
CONSTRUCTION MANAGEMENT

Hack Saws	4	With assorted blades
Chokers (HUK CHUK)	2	3/8"
Chokers (HUK CHUK)	4	1/2"
Cable Clamps		Assorted Sizes
Slings (MADRAS AUTO)	4	With Clevices
Spreader Bar	1	EA 3m, 5m
1/2", 3/4" Wire Rope		100M with 8 turnbuckles
Work Platform	2	6M, Steel or Plywood reinforced
Chain Block (INDUS)		3T, 5T
Electric Extension Cords	2	6M
Safety Belts with tool pouches (KARAM/ISI TESTED BRAND)		Sufficient for Crew
Hard Hats (KARAM/ METRO)		Sufficient for Crew
Goggles	2	for power cutting
Goggles	2	for buring equipment
Hand Gloves		Sufficient for Crew
Steel Measuring Tapes (FREE MAN)	4	EA 4 M
Steel Measuring Tapes (FREE MAN)	2	EA 15 M and 30 M
Magentic Spirit Level	2	1' to 4"
Framing & Try Squares	1	EA
Transit & Level Rod	1	EA
Plumb Bob & Chalk String	2	1/2Kg,1Kg
Nylon Line 3/8"		100M
Manila Rope		100M EA 3/8', 1/2"
Caulking Guns	4	Cartridge Type





PROJECT REFERENCE LIST WITH PHOTOGRAPH



PROJECTS IN VIETNAM









PROJECTS IN VIETNAM







PROJECTS IN VIETNAM











PROJECTS IN SRI LANKA & BANGLADESH



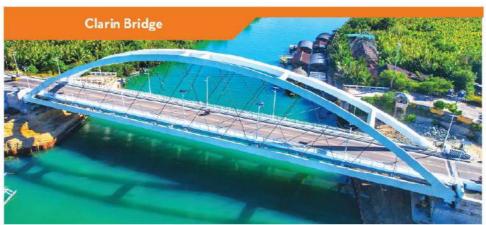


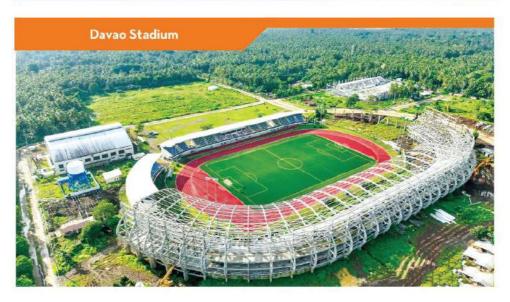


PROJECTS IN PHILIPPINES







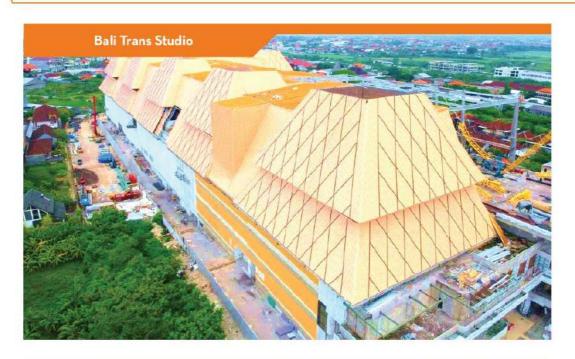


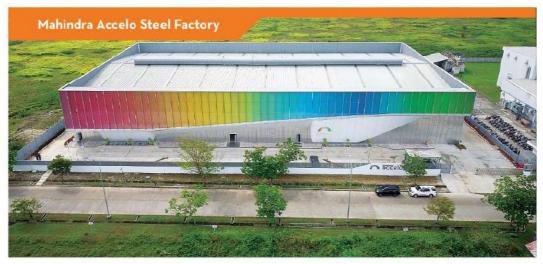
PROJECTS IN PHILIPPINES





PROJECTS IN INDONESIA







PROJECTS IN THAILAND







PROJECTS IN MYANMAR



Adilac Medical Center



PHEE Warehouse



PROJECTS IN SINGAPORE & MALAYSIA









PROJECTS IN CAMBODIA & LAOS



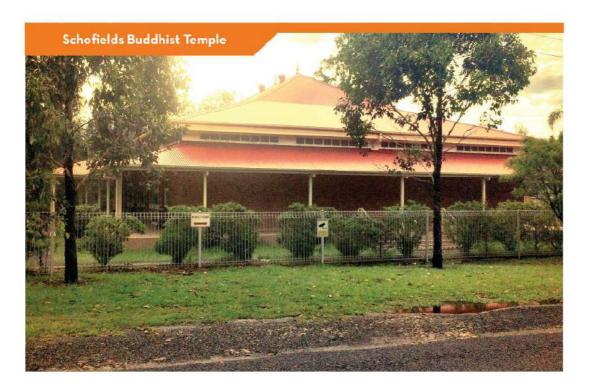


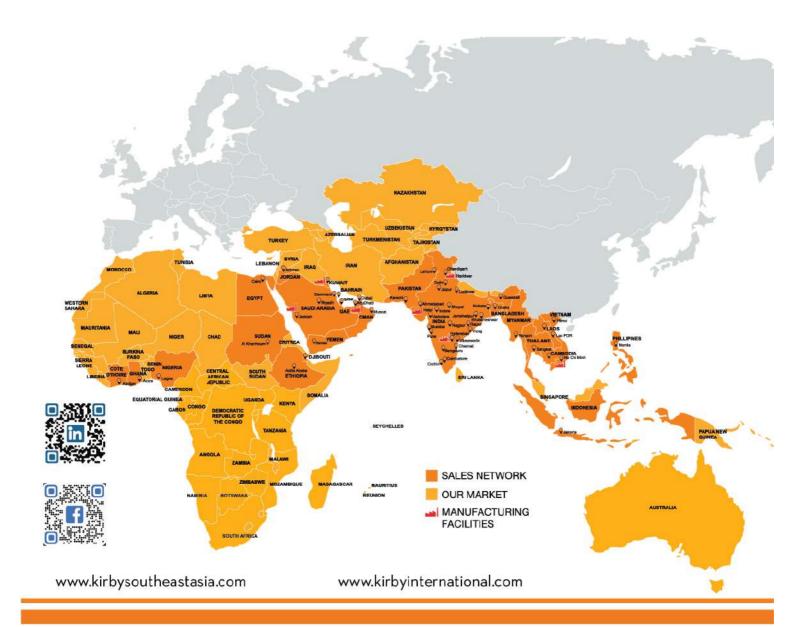


PROJECTS IN AUSTRAILIA











Dong Nai Plant, Vietnam

Road No.8, Nhon Trach III Industrial Zone, Phase II, Nhon Trach District, Dong Nai Province, Vietnam.

Shualba, Kuwait Plant

KIRBY BUILDING SYSTEMS - KUWAIT, Plot 1, Block 2, West Shuaiba Industrial Area, P.O. Box 23933 Safat, 13100 Kuwait.

Ras Al Khimah, United Arab Emirates Plant

Al Jazeera Industrial Area Ii, Ras Al Khaimah, Uae, P.o. Box 6624, Ras Al Khimah, UAE.

Jeddah, Saudi Arabia Plant

KIRBY CONTRACTING COMPANY (SPC) L.L.C., Industrial City -1, PO. Box 86648, Jeddah - 21492, Saudi Arabia.

Hyderabad Plant, India

Unit 1, Plot Nos 8-15, IDA Phase III, Pashamylaram, Sangareddy Dist. - 502 307, Telangana, India.

Haridwar Plant, India

Unit 2, Plot No 2, Sector 11, Integrated Industrial
Estate, SIDCUL, Haridwar - 249 403, Uttarakhand.

Halol Plant, India

Plot No 741, 742/1, 748, 749, Halol GIDC Phase-II, Halol Maswad Industrial Estate, Halol Godhra Highway, District Panchmahal, Gujarat – 389 350, India.

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