



PT. BARUNA TRAYINDO JAYA

Manufacture of Cable Tray & Cable Support System



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PT. BARUNA TRAYINDO JAYA



JABODETABEK



Marketing
Territory



Manufacture of Cable Tray & Cable Support System



About Us



PT. Baruna Trayindo Jaya

Our company manufactures:

- Cable Ladders & Trays
- Cable Trunkings
- Cable Support System
- Lighting Poles
- Strut System



With high dedication to our work, Baruna manufacture high quality product to meet the stringent requirement in the industry and support the rapid development of the Republic of Indonesia. Baruna is a proud manufacturer that complies to NEMA International Standard. Baruna consistently plays an active role in supporting Indonesia's infrastructure development through close engagement with the project team during the entire lifespan of the project. After the project completes, Baruna continues to provide our services as required.

Cable trays are mechanical support systems that provide a rigid structural system for electrical cables, raceways and insulated conductors used for power distribution, control, signal instrumentation and communication.

Metal cable trays are made of galvanised steel, stainless steel and aluminum.

Specific types include:

- Cable Trays
- Cable Trays - Ladders
- Cable Cage

Cable trays are essential to a building's electrical system, supporting cables in the same way that roadway bridges support traffic.





PT. Baruna Trayindo Jaya

The Expenses Of Classification

Safari - Bogor
Juni 2024

Family Gathering

Team Work makes The dream work

NEMA SUPPORT SPAN LOAD

Standart Publication VEI-2015

CLASS (In Feet) (Lbs./Foot) Equal to meter (Kg/meter)

8A	= 8 Feet Span	50 lbs/foot equal to 2.40 meter span	74 Kg/Meter Run
8B	= 8 Feet Span	75 lbs/foot equal to 2.40 meter span	112 Kg/Meter Run
8C	= 8 Feet Span	100 lbs/foot equal to 2.40 meter span	149 Kg/Meter Run
12A	= 12 Feet Span	50 lbs/foot equal to 3.66 meter span	74 Kg/Meter Run
12B	= 12 Feet Span	75 lbs/foot equal to 3.66 meter span	112 Kg/Meter Run
12C	= 12 Feet Span	100 lbs/foot equal to 3.66 meter span	148 Kg/Meter Run
16A	= 16 Feet Span	50 lbs/foot equal to 4.88 meter span	74 Kg/Meter Run
16B	= 16 Feet Span	75 lbs/foot equal to 4.88 meter span	112 Kg/Meter Run
16C	= 16 Feet Span	100 lbs/foot equal to 4.88 meter span	149 Kg/Meter Run
20A	= 20 Feet Span	50 lbs/foot equal to 6.00meter span	74 Kg/Meter Run
20B	= 20 Feet Span	75 lbs/foot equal to 6.00 meter span	112 Kg/Meter Run
20C	= 20 Feet Span	100 lbs/foot equal to 6.00meter span	149 Kg/Meter Run

Class Design Load CSA Standart C22.2 No.1261

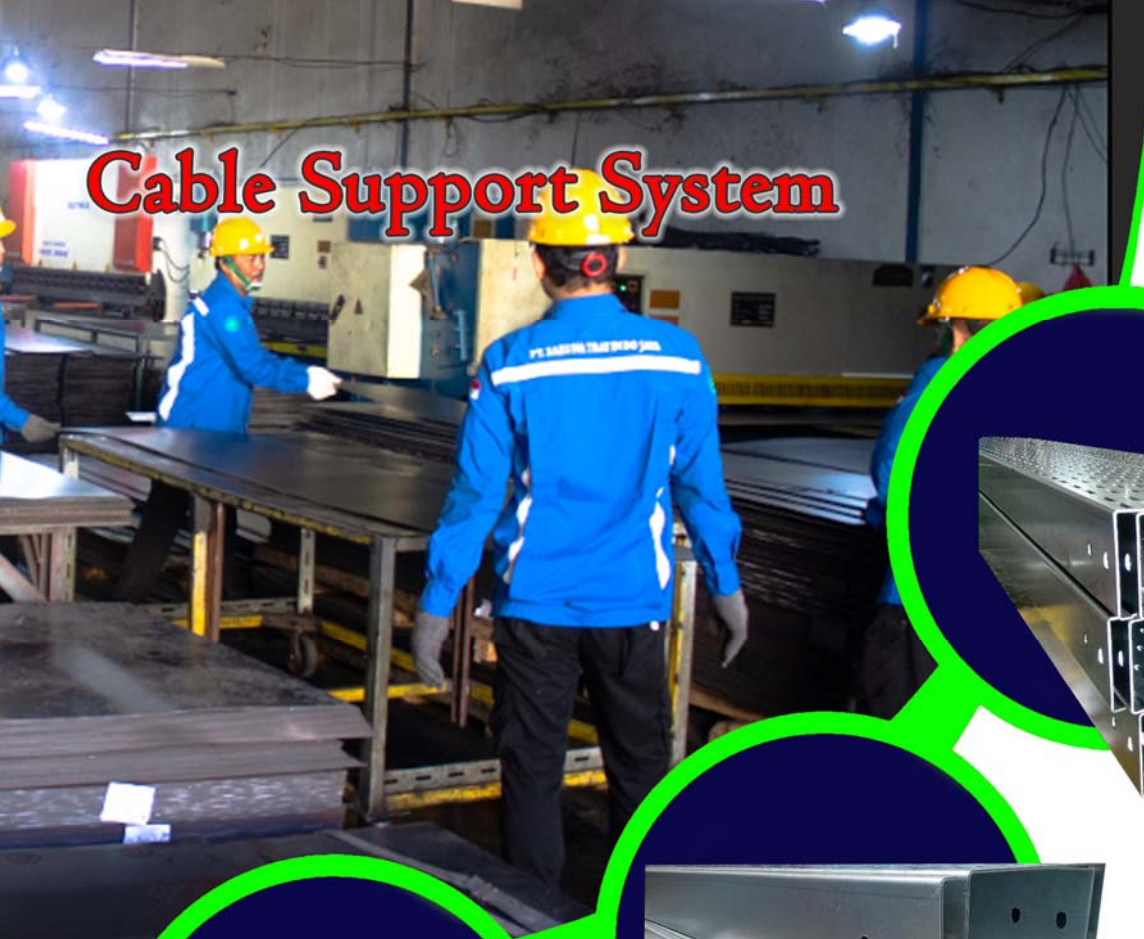
A25 lbs/foot, 10 feet span	= 37 Kg/Meter, 3 Meter Span
B65 lbs/foot, 10 feet span	= 97 Kg/Meter, 3 Meter Span
C45 lbs/foot, 20 feet span	= 67 Kg/Meter, 6 Meter Span
E75 lbs/foot, 20 feet span	= 112 Kg/Meter, 6 Meter Span

Baruna manufactures quality Cable Support System that meets the stringent standard to the National Electrical Manufacturers Association (NEMA). NEMA defines standards for various grades of typically used in industrial applications. Each standart is rated to protect against personal access to hazardous parts, and additional type dependent designated environmental conditions. NEMA grade products provide protection against environmental hazards and corrosive agents.

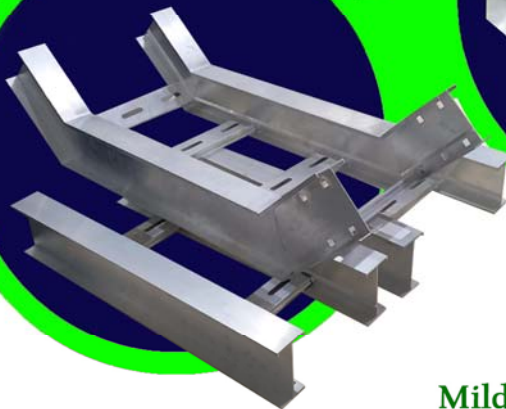
NEMA standard outlines cable tray installation practices, material control and unloading/storage standards. As a manufacturer that complies to NEMA standards, Baruna possess the certificates and is committed to producing only the highest quality cable trays that meets or exceeds NEMA specifications.



Cable Support System



PT. Baruna Trayindo Jaya



Aluminum

Aluminum has excellent corrosion resistance in many chemical environments and has been used extensively in corrosive environments. The aluminum alloy used by Baruna is considered copper-free and referred to as marine grade aluminum. Galvanizing on steel cable trays is designed to slowly wear away as it protects the steel; any place where the coating is thin or has been removed can prematurely limit the product's service life. Since aluminum cable trays are homogenous material throughout, their service life is unaffected by scratches and field modifications. When aluminum cable trays are used with stainless steel hardware, the system can perform indefinitely, with little or no degradation over time, making it ideal for many chemical and marine environments.

Mild Steel

Mild Steel cable ladders & trays can be used in low corrosion or free corrosion environment. Mild Steel material will be more effective to combat against corrosion by going to the process of galvanizations. There are 3 common types of galvanising :

- i. Pre-Galvanised
- ii. Electro-Galvanised (EG)
- iii. Hot Dipped Galvanised (HDG)

Among the 3 types, Hot Dipped Galvanised is the most effective against corrosion. Baruna Hot-Dipped Galvanising can achieve 60 microns, which protects even better from corrosion. These are commonly used for commercial projects like office buildings, residential towers, hotels and hospitals, where environment corrosion are minimal.

Stainless Steel

Stainless steel contains at least 10 percent chromium, along with other elements to develop specific properties. Depending on the quality of the elements present in a stainless alloy, it will have a metallurgical structure which will be characteristic of the basic stainless steel groups. Baruna offers cable trays and accessories in both the 304 and 316 series. These austenitic alloys are remarkable in several respects. When chromium is increased for improved corrosion resistance, nickel must also be increased to retain the austenitic structure. SS304 has chromium and nickel increased and carbon lowered to reduce carbide precipitation and increase corrosion resistance. Lowering the carbon content also makes welding easier. SS316 has molybdenum added to improve corrosion resistance and high temperature strength. The carbon content is also lowered to improve welding performance.



**Kementerian
Perindustrian**
REPUBLIK INDONESIA

Additional Finishing - Epoxy Powder Coating

Baruna also offer epoxy powder coating as an additional finish. Different colours can be used to differentiate the cable tray for different cables. The paint application are bonded to the cable trays using a high temperature oven, ensuring no loose paint powder. Epoxy powder coating are very exceptionally popular for use in chemical plants, cleanrooms, hospitals etc.

Cable Support System

Finishing

Different types of finishing offers different degrees of protection against corrosion. For Mild Steel, Zinc are commonly galvanized on the surface to deter corrosion. The various galvanizing process are :

1. Zinc galvanizing (recomended the indoor)
2. Pre-zinc galvanizing (ASTMA-1233)
3. Hot galvanizing after manufacture process (ASTMA-1233)

Hot Dipped Galvanizing offers the best bond and protection against corrosion than other galvanizing methods.

Stainless Steel also has various finishing, typically either glossy or matte. Scratches from installation are less noticeable on matte finish. Matte are common to make any surface scratches less noticeable.



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All our factory workers undergo, strict training, ensuring the precision of cutting, bending, hole-punching, welding and all process that completes the product.

No sharp edges are allowed, even along the perforated holes on the cable side of the cable ladders & trays.

Installers can safely pull cables along Baruna's cable ladders & trays with confidence, with no worries of cutting the cables.

Baruna's Quality team will conduct an inspection on all our cable trays before delivery.



Cable Support System

Baruna can process 300 sheet metals per shift and additional shifts can be added to meet to the customer's delivery schedule.

Cable Ladders & Trays can be classified between Light-Duty, Medium Duty and Heavy Duty.

The different design, height and thickness of the material will determine the different class of cable ladders & trays.

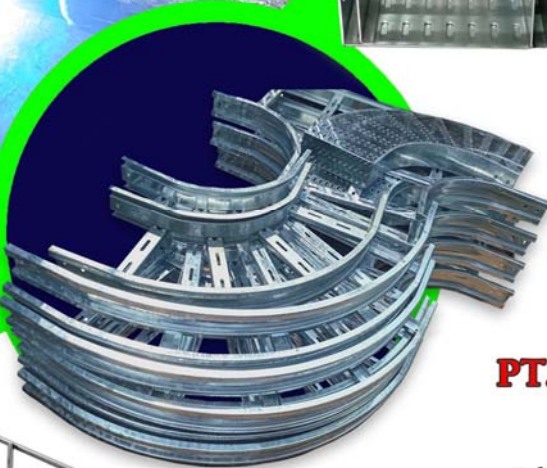
Baruna also manufactures Lighting Poles, Struts and all relevant accessories.

We are involved in the commercial, Industrial & hazardous projects in Republic of Indonesia. Our products are also internationally recognized as our presence and products can be found in other countries like Singapore, Malaysia etc.



PT. Baruna Trayindo Jaya

Flexibility Reduction Methode



PT. Baruna Trayindo Jaya

Cable Trays

Baruna offers different design and height according to the requirements. Higher cable tray height can accommodate more cables and having a return edge can strengthen the cable trays from bending.

Perforations are strategically punched to allow ventilation and also easy access for cable ties to tie the cables to the cable trays.

Cable Cage

This is a very light duty form of cable tray. From the design, it allows the user to customised easily, using simple tools. Accessories are available to maintain the shape after customisation.

Cable Ladders

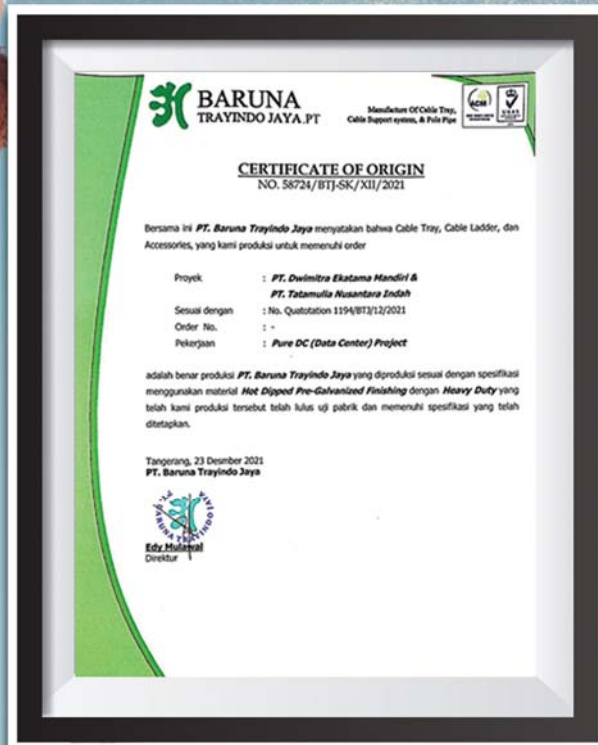
Like Cable Trays, Baruna's Cable Ladders can be 1.5mm or 2.0mm thick. The rungs are arc welded to the rails by our professional welders. Rigs are used to ensure uniform spacing at 300mm between the rungs. Baruna's offers Light, Medium & Heavy Duty design for the cable ladders and we are confident to have a suitable design to meet any of your site conditions.



Certificate



PT. Baruna Trayindo Jaya

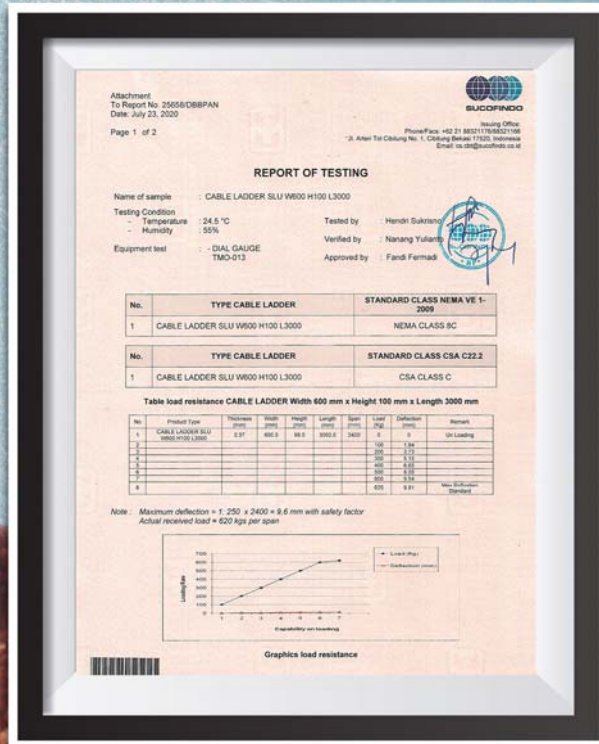


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Certificate

PT. Baruna Trayindo Jaya



Certificate



PT. Baruna Trayindo Jaya

KRAKATAU STEEL

MILL CERTIFICATE

PURCHASER : KRAKATAU STEEL PT
J. BINA BARUNO NO.25 RT.305 RW.105
KEL. CIGARAH KEC. CIPARANG
JAWABTA TANG.
COMMODITY : IRON STEEL
SPECIFICATION : STEEL IN COIL MILL EDGE
DIMENSION (mm) : 2.00 x 1.00 x 0.01

CERTIFICATE NO. : 00000000000000000000
DATE OF ISSUE : FEBRUARY 27, 2023
LOT NO. :
SHIPPING INSTRUCTION :
SALES ORDER / PO :
LC NO. : 00000000000000000000

Page 1 of 1

TEST NO.	COIL SIZE (mm)	TEST NO.	QTY (MT)	CHEMICAL COMPOSITION (%)											CEI	TENSILE TEST				BOLTS TEST	BOLTS TEST
				C	SI	MN	P	S	AL	TS	YS	EL	EL								
17182	10000	000000	1	0.005	0.010	0.005	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010		
17182	10000	000000	1	0.005	0.010	0.005	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010		
17182	10000	000000	1	0.005	0.010	0.005	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010		
17182	10000	000000	1	0.005	0.010	0.005	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010		
17182	10000	000000	1	0.005	0.010	0.005	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010		

Impact Test Temperature :
DIVISION OF QUALITY CONTROL

Kementerian Perindustrian
REPUBLIK INDONESIA

SERTIFIKAT TINGKAT KOMPONEN DALAM NEGERI

Sesuai dengan Peraturan Menteri Perindustrian No. 16/M-IND/PER/2/2011 tentang Ketentuan dan Tata Cara Penghitungan Tingkat Komponen Dalam Negeri, hasil verifikasi atas capaian Tingkat Komponen Dalam Negeri (TKDN) adalah sebagai berikut:

Jenis Produk : Tray
Tipe : Cable Duct
Spesifikasi : Ukuran W50-1000 x H50-150 x L3000mm ;
Ketebalan 1.6-3mm
Kode HS : 73089060
Merk :
Nilai TKDN : 51.07%
Terbilang : Lima puluh satu koma tujuh persen
Standard Produk :
Sertifikat Produk :
No. Laporan : PTKDN - 1611 - 2402546

yang telah ditandatangani oleh Kementerian Perindustrian dan berlaku 3 tahun terhitung sejak tanggal tanda sah, diberikan kepada:

Nama Perusahaan : PT Baruna Trayindo Jaya
Alamat : J. HUSEIN SASTRANEGARA KAWASAN
PERGUDANGAN RUSA INDAH BLOK A NO 38D
JURUMUDI, BENDA TANGERANG, JAWA BARU, Benda,
Kota Tangerang, Banten, 15124
NPWP : 92.296.029.9-402.000
Jenis Industri : Industri Barang Logam Lainnya YTDL (KBLI: 25999)
No. Tanda Sah : 1672155-IND.8/E-TKDN/12/2024

Jakarta, 2 Desember 2024
Kepala Pusat Peningkatan Penggunaan Produk Dalam Negeri

Heru Kustanto



Certificate
No. 0402 / GIS / CERT / V / 2023

To Certify that,
GALVA STEEL
W50-1000 x H50-150 x L3000 mm
W50-1000 x H50-150 x L3000 mm
W50-1000 x H50-150 x L3000 mm
W50-1000 x H50-150 x L3000 mm

Have been Hot-dip Galvanized in accordance with ASTM A123/A
Average Coating Thickness 630 g/m² equals to 75 microns

For,
2311P0004

Site,
-

Fabricated by,
PT. Baruna Trayindo Jaya,
Jalan Husein Sastranegara Komplek
Pergudangan Rusa Indah Blok A No. 38D
Jurumudi, Tangerang, Banten, INDONESIA

At The values in micrometers (µm)
are based on the Coating Grade.
The other values are based on
Conversions using the following
Formula: mils µm x 0.0254 or
g/m² = µm x 7.607

All Specimens Tested					
Material Category	Steel Thickness Range (Measured) in (mm)				
	≤1.6	1.6 to 3.2	3.2 to 4.8	4.8 to 6.4	6.4 to 8.0
Structural Shapes	45	65	75	75	100
Strip & Bar	45	65	75	75	75
Plate	45	65	75	75	75
Plate & Tubing	45	65	75	75	75
Wire	35	55	65	65	85
Reinforcing bar	—	—	—	—	800

Coating Thickness Grade		
Coating Grade (µm)	Mils	g/m ²
45	1.8	320
65	2.2	380
75	2.6	480
85	3.0	580
95	3.3	600
100	3.6	700

Minimum Average Coating Thickness
Grade by Material Category | ASTM A123/A

The following is not responsible for:
Corrosion or discoloration affected by:
1. Unperfected welding
2. Unremoved welding slag
3. Irregularity of the construction design for Hot Dip Galvanized
4. Under poorly ventilated condition during storage or transportation
5. Moisture materials after being hot-dip galvanized.

Tangerang, March 24th 2023





Project Preferences

PT. Baruna Trayindo Jaya



Project Bandara Juanda Surabaya



Project BUKAKA TEKNIK UTAMA



Project Bentoel



Project CAP-2-SPV



Project Conoco Philip



Project Hutama Karya PLTU Muara Tawar



Project Indorama Plant V



Project Lotte Chemical Cilegon



Project Petro Kimia Gresik



Project Smelter Almahera



Project Tambang Batu Bara Sulawesi



Project PLTU Bengkayang Kaltim

Project Preferences



PT. Baruna Trayindo Jaya



Project Indosat jatiluhur DRC



Project Indolakto



Project Krakatau Daya Listrik Cilegon



Project Bukit Asam



Project Chinli International



Project CPO Kaltim



Project Desalter Pertamina RU III Plaju



Project BT. COCOA Tangerang



Project BRI Kulon Progo



Project Gunadarma Kelapa dua Depok



Project ICON PLN Gandul



Data Center BRI Ragunan Project



Project Preferences

PT. Baruna Trayindo Jaya



Gdg. Cyber Sandi Negara BSSN Project



Project Lazada Depok



Project JGC- Molten sulphur



Project Wuling Cikarang



Project RDMP Refinery Unit V Balikpapan



Project Jirak Sumatra



Project PT. Indoko mas



Project UII Sleman Jogja



Project Warehouse Amazon CGK061



Project Nyundai Cikarang



Project Pertamina Cepu

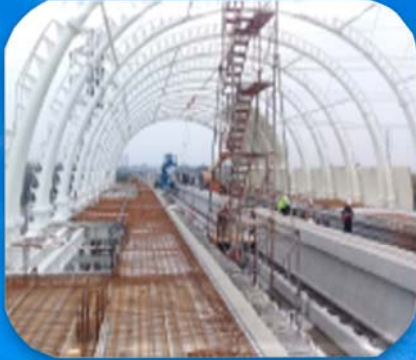


Project Pertamina SKG Betung

Project Preferences



PT. Baruna Trayindo Jaya



Project IRT Adhi Karya



Project Monash University BSD Green Official Park



Project Marunda 2.0



Project Pertamina Mamuju



Project Pabrik Cingluh



Project Nestle Lampung



Project Pertamina Wayame Ambon



Project Pusri Palembang



Project Pupuk Iskandar Muda



Project PLTU Ciramaya Jawa Satu



Project Pure DC (Data Center)



Project Pertamina Tanjung Sekong



Workshop Overview

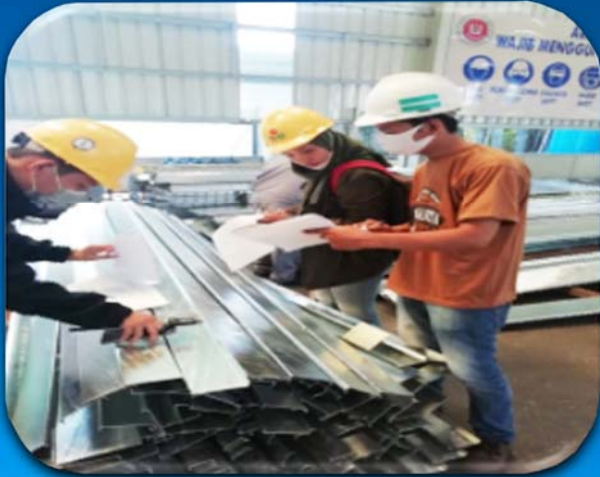
PT. Baruna Trayindo Jaya



Hot-Dipped Galvanizing Process



PT. Baruna Trayindo Jaya





Timely Delivery

PT. Baruna Trayindo Jaya

Our customer trust us to deliver their orders on time, if not earlier. This is very important to our company's success & reputation in growing and maintaining a strong base of customer's loyalty. Deliveries are made in a professional manner, with the cable ladders and trays carefully stacked and strapped without damaged. After delivery, our technical teams are available to manage any queries from the customers and trainings can be conducted to the installers on site to install the cable ladders & trays efficiently.



Management Baruna



Bity Liu
(President Director)



MUGIYONO
(Deputy Head Of)
Production



SURYANA
(Engineering)



AGUS PRAYITNO
(Head of Production)

"In a competitive environment, whether we are in sales or marketing or whatever, we have to know our competitors, understand who they are, do intelligent analysis on them, and then we have to know ourselves – who we are and what we can do. And also we are committed. Our customers are the lifeblood of our business. Their needs and wants influence every aspect, from product development to marketing and customer service, our priorities."



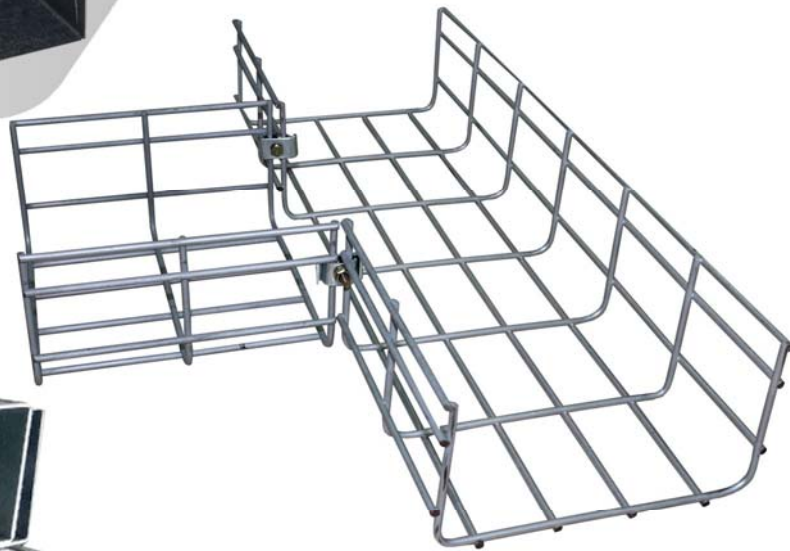
PT. Baruna Trayindo Jaya



BUDI HARTONO
(Marketing Director)



**Brand
Baruna**



PT. Baruna Trayindo Jaya

The technical drawing illustrates a staircase railing system with the following components and dimensions:

- Isometric View:** Shows the railing assembly with overall dimensions W (width) and H (height).
- Side View:**
 - DETAIL SIDE RAIL:** Shows the side rail profile with dimensions: 20 (top flange), 127 (height), 100 (height to center of hole), 20 (hole offset), 15 (bottom flange), and 50 (hole diameter). The hole is labeled $\varnothing 11 \times 16$.
 - RUNG:** Shows the standard rung profile with dimensions: 50 (width), 15 (height), and 40 (hole offset).
 - RUNG for H50:** Shows the profile for a 50mm height with dimensions: 40 (width), 15 (height), and 40 (hole offset).
- End View:**
 - DETAIL "A":** Shows the end view of the railing with dimensions: 25 (hole offset), 50 (hole diameter), and 100 (height). The hole is labeled $\varnothing 11 \times 16$.
- Top View:**
 - Shows the railing layout with dimensions: 150 (end offset), 300 (rung spacing), and L (total length).
 - Labels include **SIDE RAIL**, **RUNG**, and $\varnothing 10 \times 50$ (hole diameter).
- Detail A:** A callout box labeled "SEE DETAIL A" pointing to the railing profile.

A 3D perspective view of a rectangular frame structure. The frame consists of a base and four vertical supports. The dimensions are labeled as follows: L_y is the height of the vertical supports; R is the radius of the curved top of the vertical supports; H is the height of the base; W is the width of the base; and L_x is the length of the base.

Technical drawing of a metal trapezoidal profile. The drawing shows the profile's geometry with dimensions: W_1 (bottom width), W_2 (top width), W_3 (flange width), H (height), and R (radius). The profile is shown in a perspective view, highlighting its trapezoidal shape and the curved flange.

Technical drawing of a roof truss system. The drawing shows a cross-section of the truss with various dimensions labeled: W_1 (width of the base), W_2 (width of the top), W_3 (width of the base), H (height), 175 (width of the base), and R (radius of the base).

A technical drawing of a diamond-shaped metal mesh structure. The structure is composed of four curved metal strips forming a central diamond shape. The dimensions are labeled as follows: W_1 and W_2 are the top horizontal dimensions, W_3 and W_4 are the bottom horizontal dimensions, H is the vertical height, 175 is the width of the central diamond opening, and R is the radius of the curved strips.

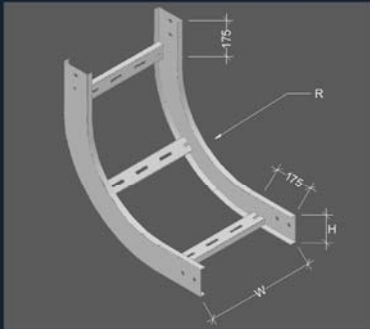
Technical drawing of a hexagonal lattice structure. The diagram shows a central hexagonal unit with dimensions labeled: W_1 , W_2 , W_3 , W_4 , H , 175 , and R . The structure consists of interconnected horizontal and vertical bars forming a hexagonal pattern. The dimensions are indicated by arrows and labels around the structure.

21

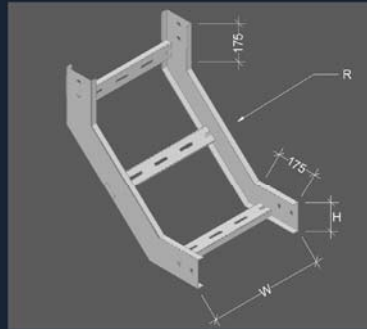


Cable Ladder SLU - Type

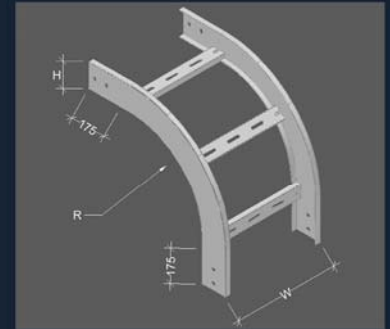
PT. Baruna Trayindo Jaya



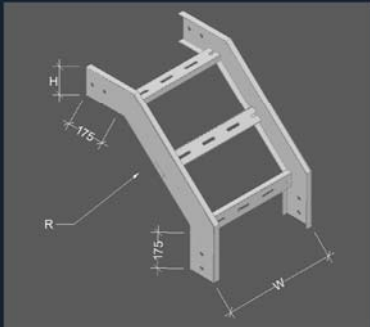
Vertical Inside Riser Radius SLU - Type



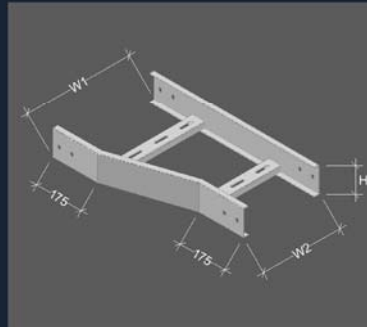
Vertical Inside Riser Diagonal SLU - Type



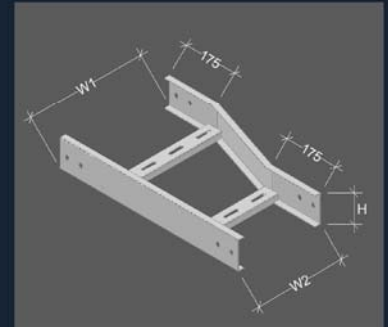
Vertical Outside Riser Radius SLU - Type



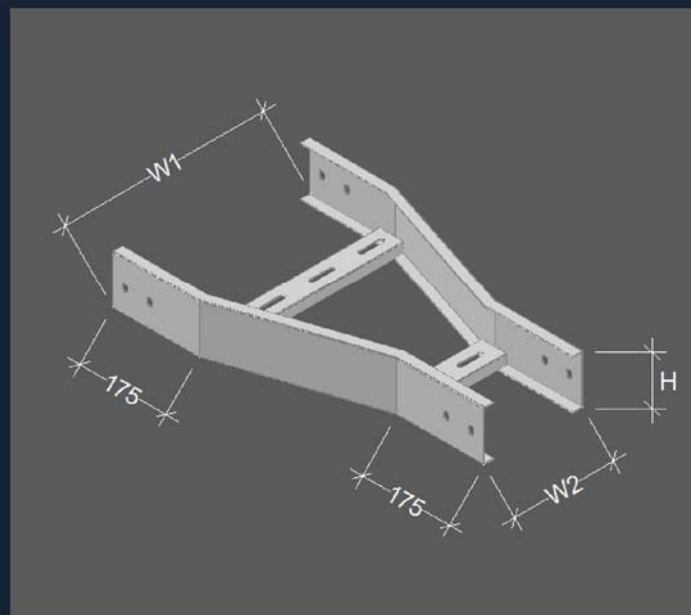
Vertical Outside Riser Diagonal SLU - Type



Left Hand Reducer SLU - Type



Right Hand Reducer SLU - Type



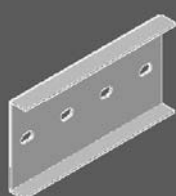
Center Reducer SLU - Type

Cable Ladder SLU - Type

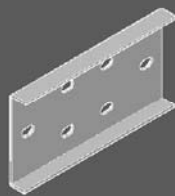


PT. Baruna Trayindo Jaya

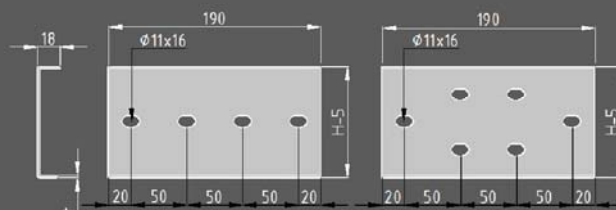
JOINTING SET



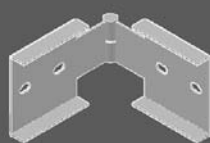
FOR H50/100



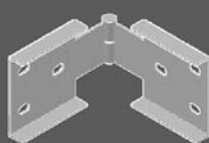
FOR H127/150



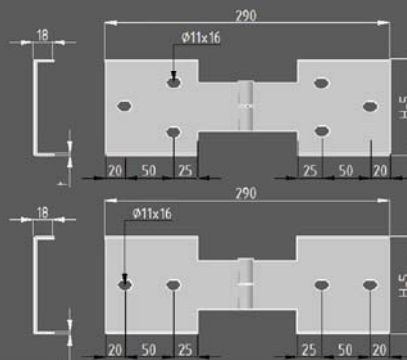
HORIZONTAL FISH PLATE



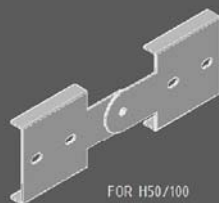
FOR H50/100



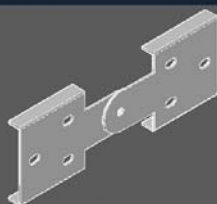
FOR H127/150



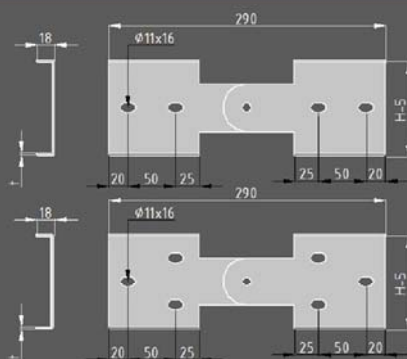
VERTICAL FISH PLATE



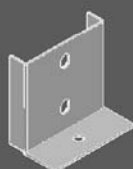
FOR H50/100



FOR H127/150



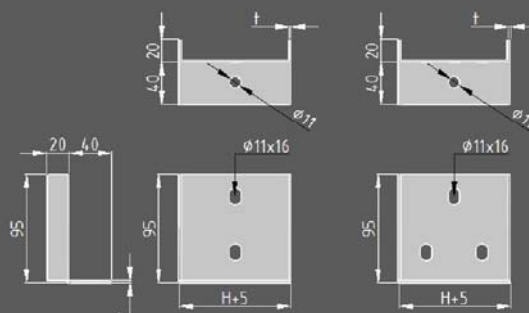
SPLICE PLATE SET FOR STAND



FOR H50/100



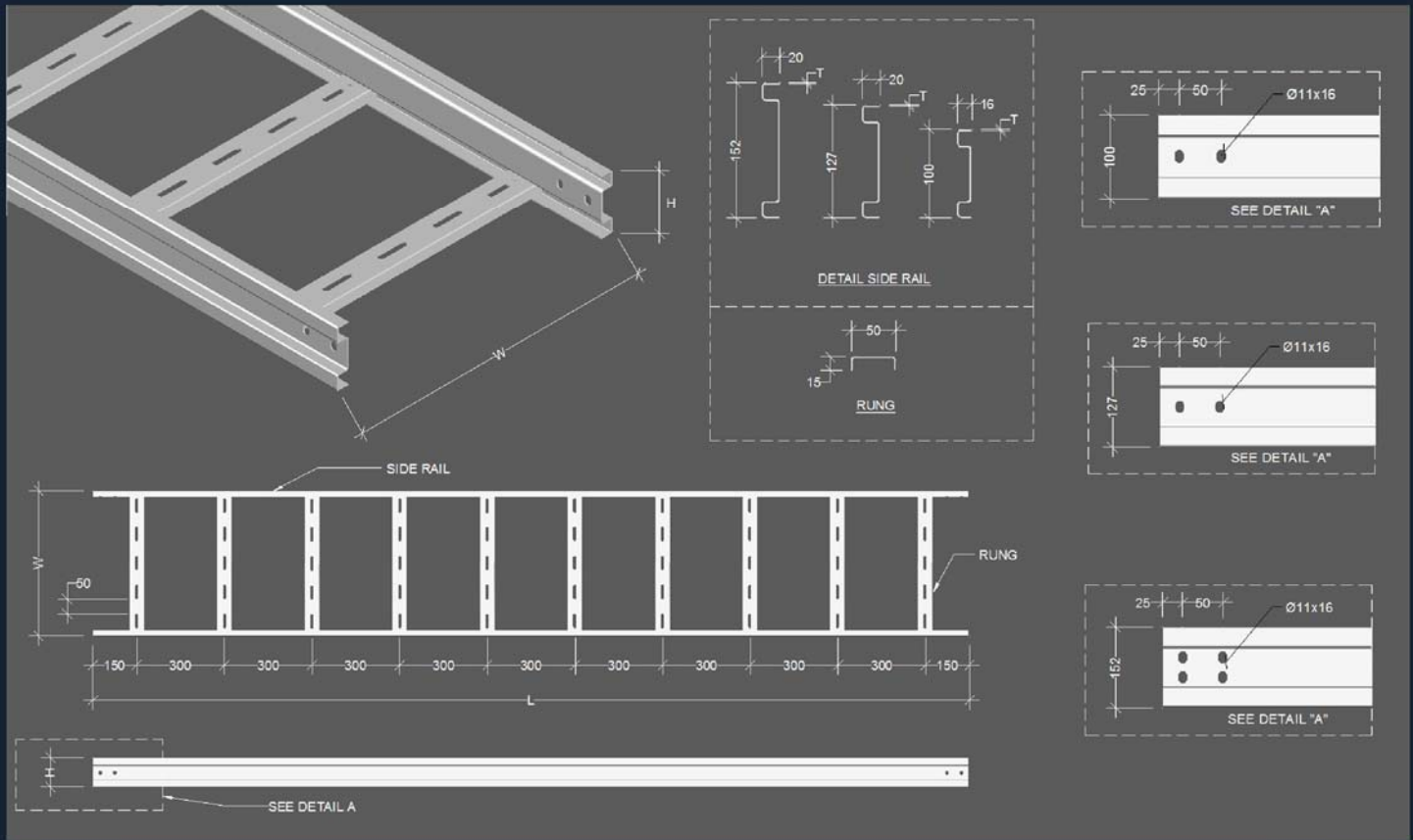
FOR H127/150



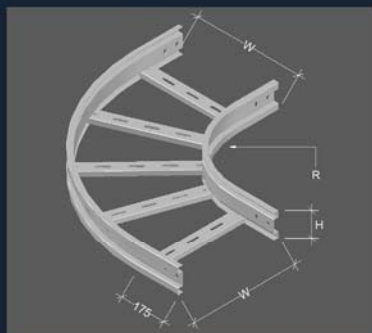


Cable Ladder SLW - Type

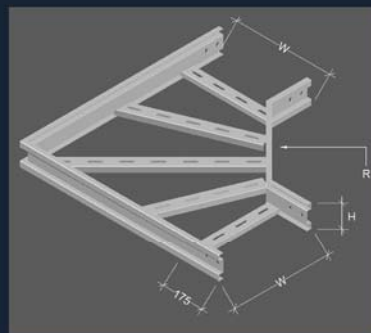
PT. Baruna Trayindo Jaya



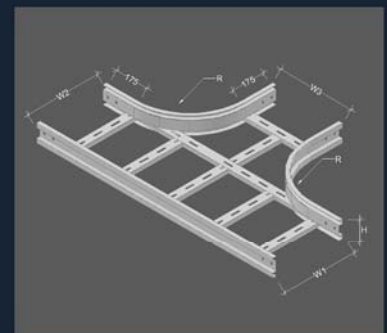
Straight Ladder SLW - Type



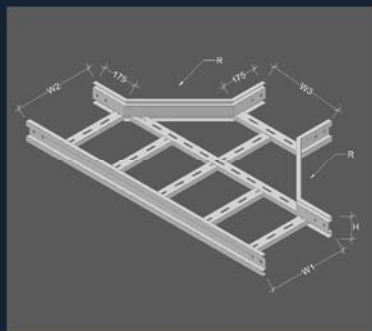
Horizontal Elbow Radius SLW - Type



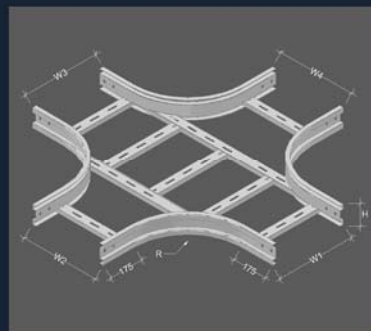
Horizontal Elbow Diagonal SLW - Type



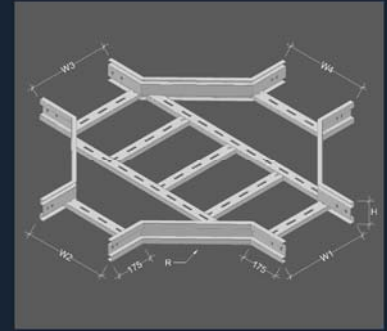
Horizontal Tee Radius SLW - Type



Horizontal Tee Diagonal SLW - Type



Horizontal Cross Radius SLW - Type

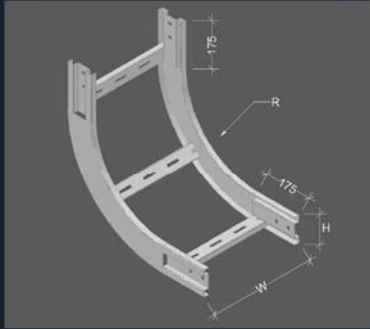


Horizontal Cross Diagonal SLW - Type

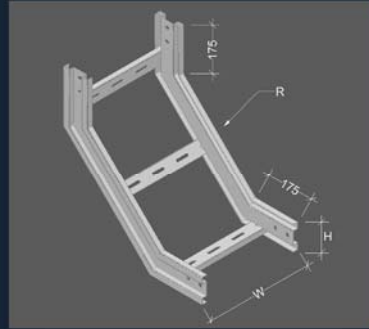
Cable Ladder SLW - Type



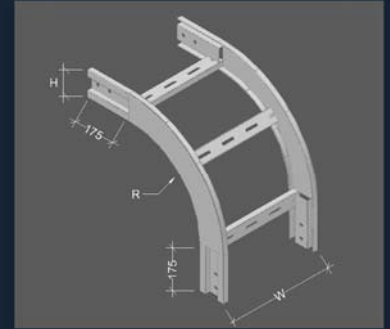
PT. Baruna Trayindo Jaya



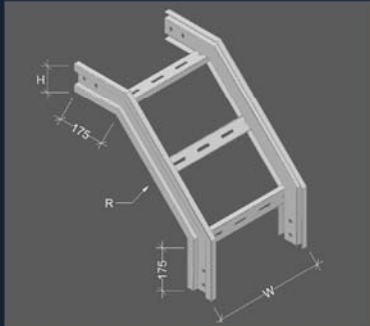
Vertical Inside Riser Radius SLW - Type



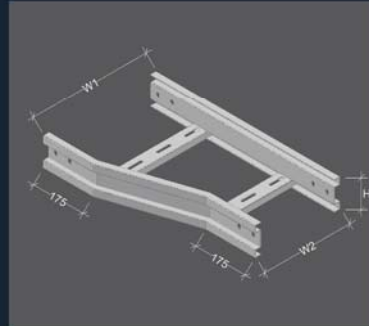
Vertical Inside Riser Diagonal SLW - Type



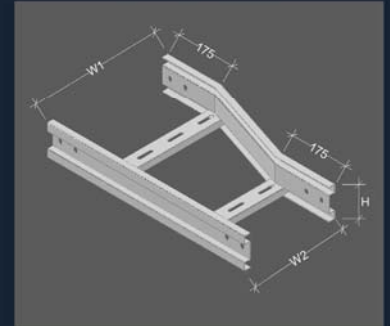
Vertical Outside Riser Radius SLW - Type



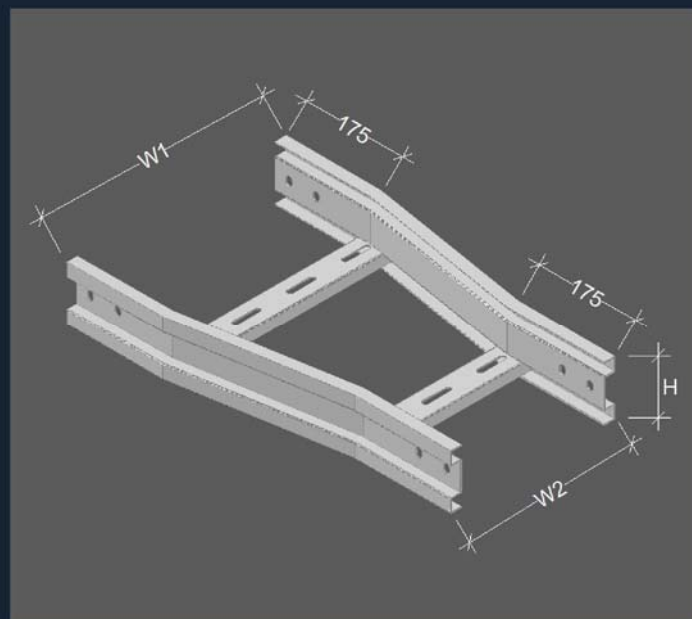
Vertical Outside Riser Diagonal SLW - Type



Left Hand Reducer SLW - Type



Right Hand Reducer SLW - Type



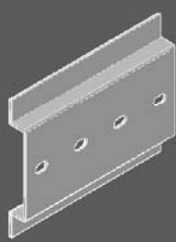
Center Reducer SLW - Type



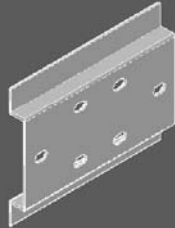
Cable Ladder SLW - Type

PT. Baruna Trayindo Jaya

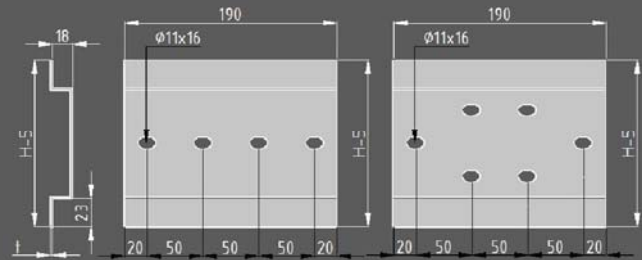
JOINTING SET



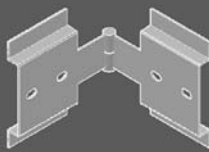
FOR H100/127



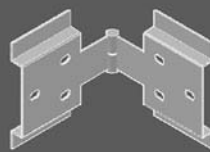
FOR H152



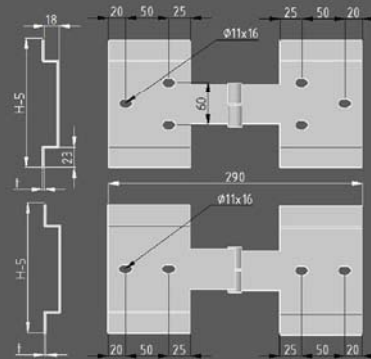
HORIZONTAL FISH PLATE



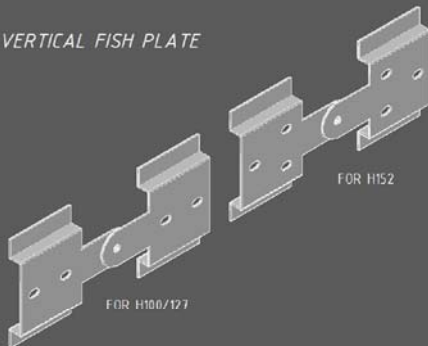
FOR H100/127



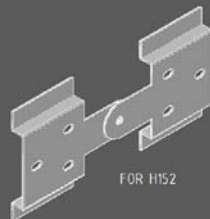
FOR H152



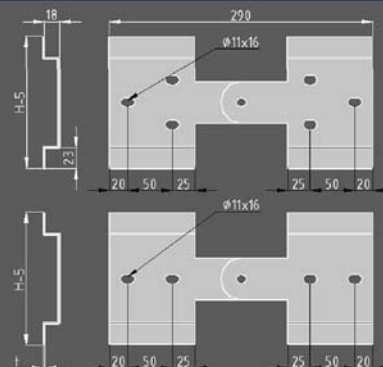
VERTICAL FISH PLATE



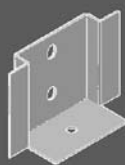
FOR H100/127



FOR H152



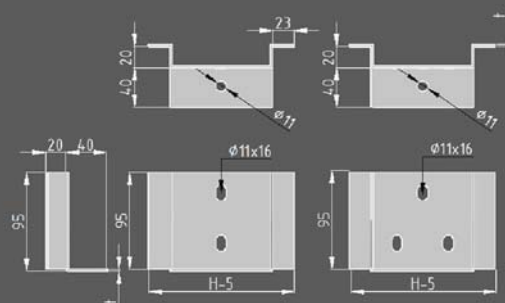
SPLICE PLATE SET FOR STAND



FOR H100/127



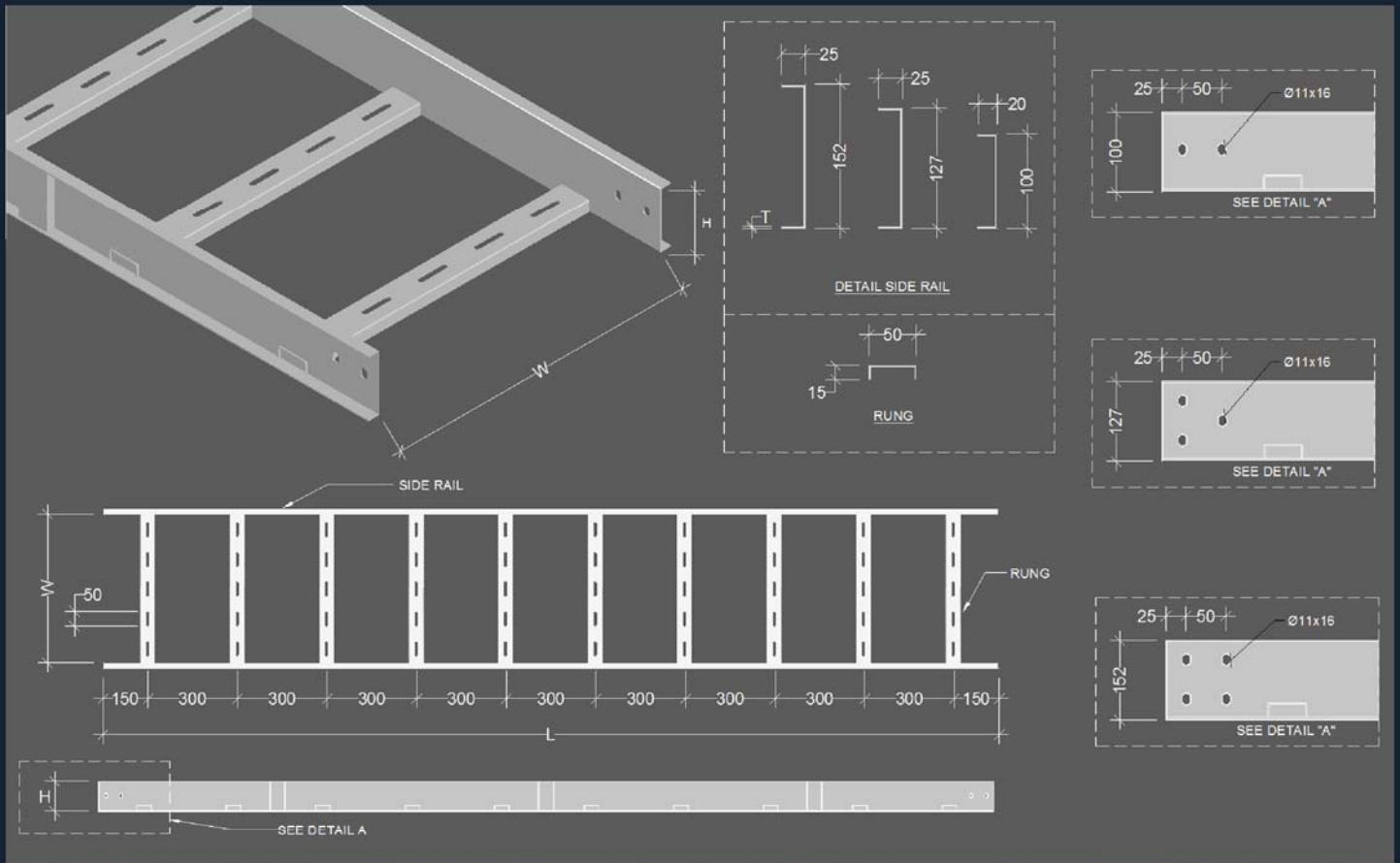
FOR H152



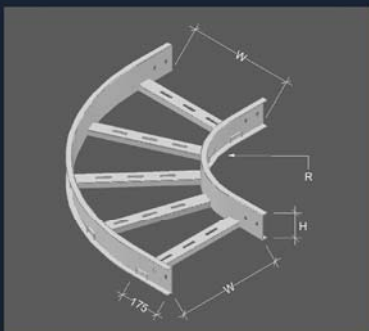
Cable Ladder SLHD - Type



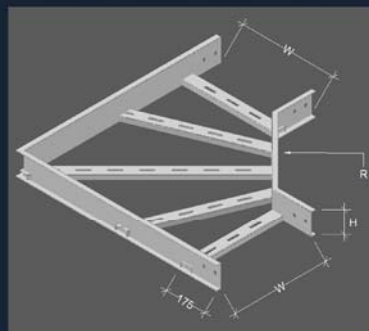
PT. Baruna Trayindo Jaya



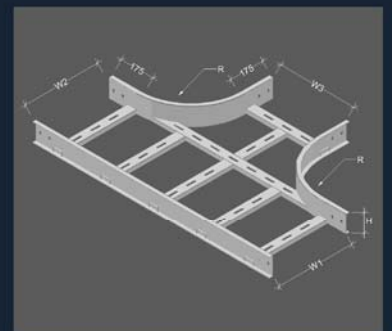
Straight Ladder SLHD - Type



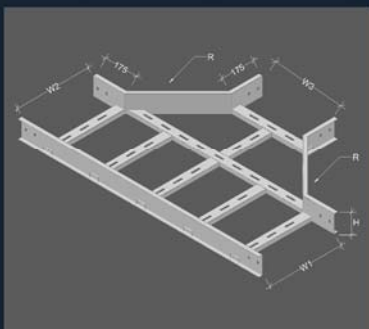
Horizontal Elbow Radius SLHD - Type



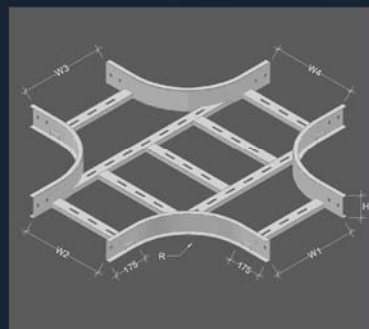
Horizontal Elbow Diagonal SLHD - Type



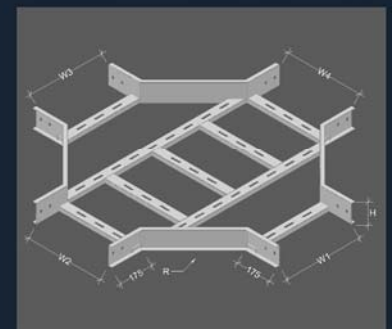
Horizontal Tee Radius SLHD - Type



Horizontal Tee Diagonal SLHD - Type



Horizontal Cross Radius SLHD - Type

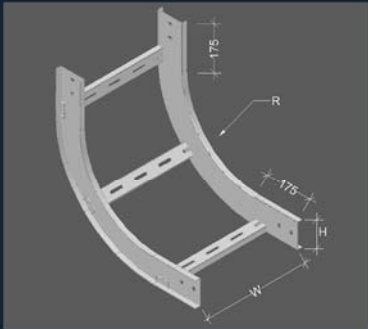


Horizontal Cross Diagonal SLHD - Type

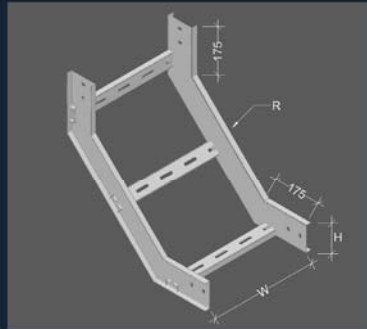


Cable Ladder SLHD - Type

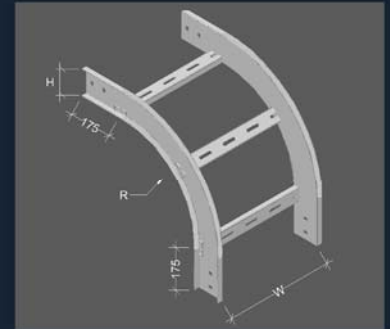
PT. Baruna Trayindo Jaya



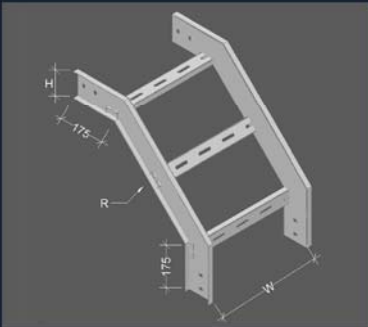
Vertical Inside Riser Radius SLHD - Type



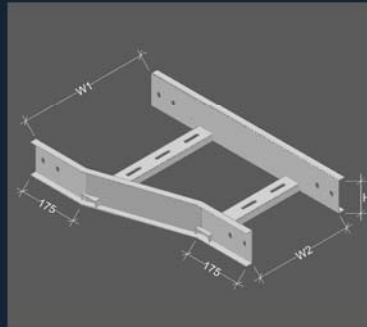
Vertical Inside Riser Diagonal SLHD - Type



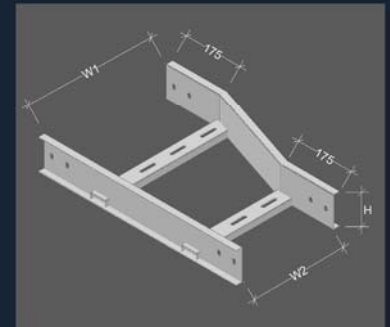
Vertical Outside Riser Radius SLHD - Type



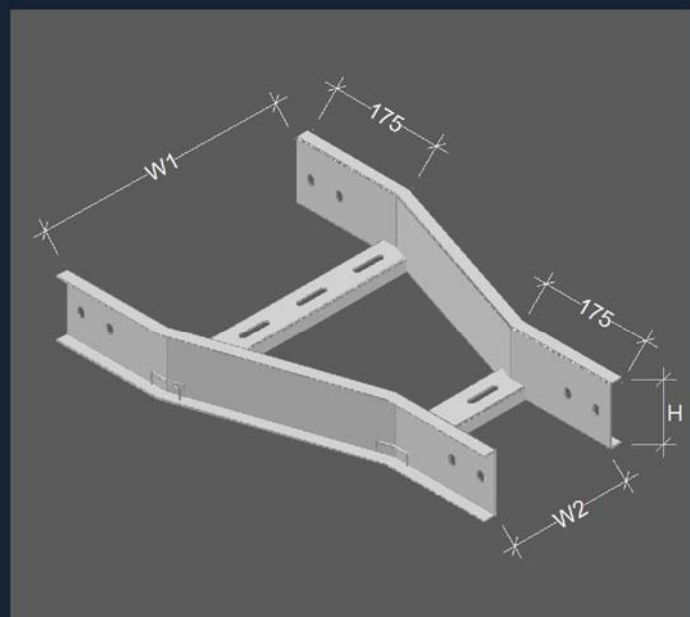
Vertical Outside Riser Diagonal SLHD - Type



Left Hand Reducer SLHD - Type



Right Hand Reducer SLHD - Type



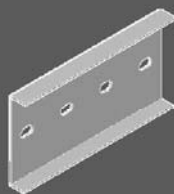
Center Reducer SLHD - Type

Cable Ladder SLHD - Type

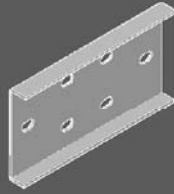


PT. Baruna Trayindo Jaya

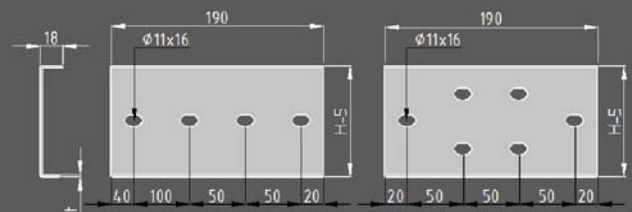
JOINTING SET



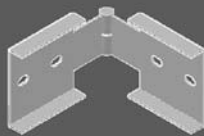
FOR H50/100



FOR H127/150



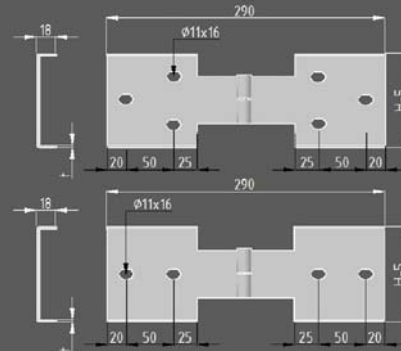
HORIZONTAL FISH PLATE



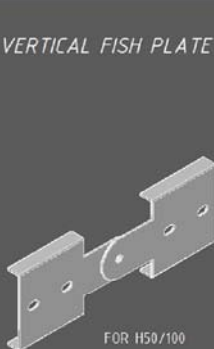
FOR H50/100



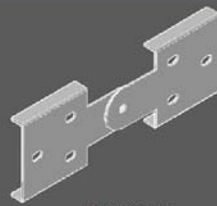
FOR H127/150



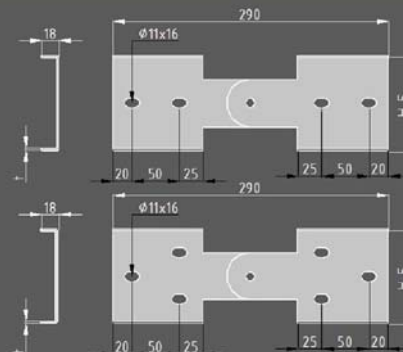
VERTICAL FISH PLATE



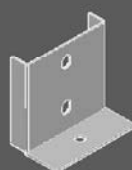
FOR H50/100



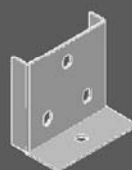
FOR H127/150



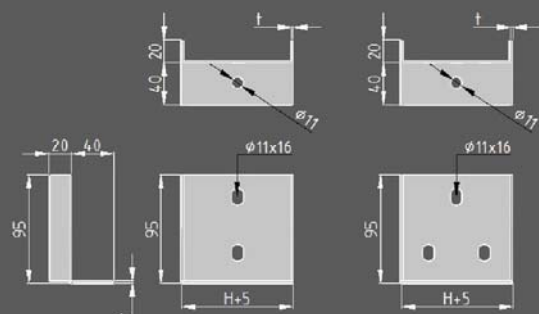
SPLICE PLATE SET FOR STAND



FOR H50/100



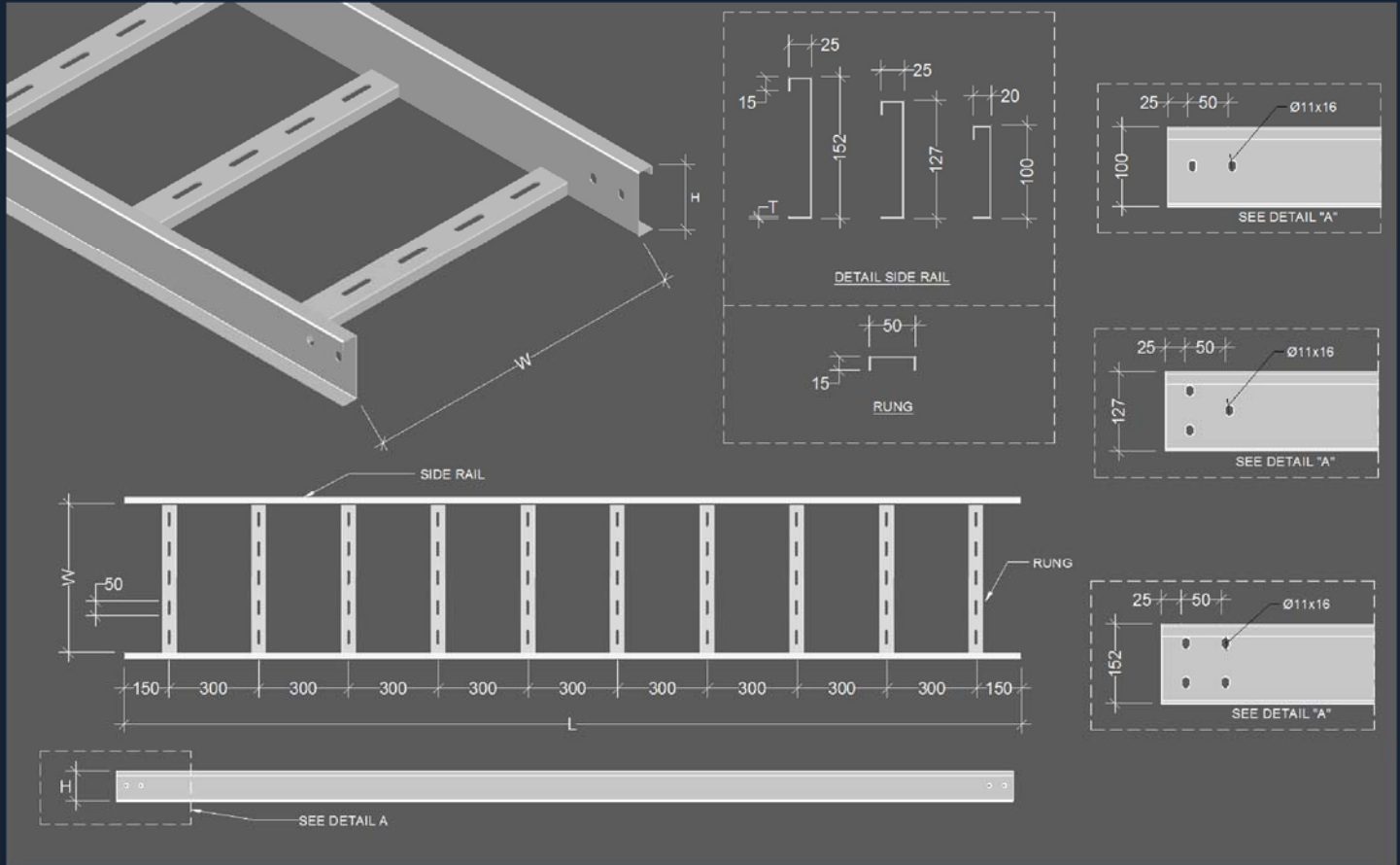
FOR H127/150



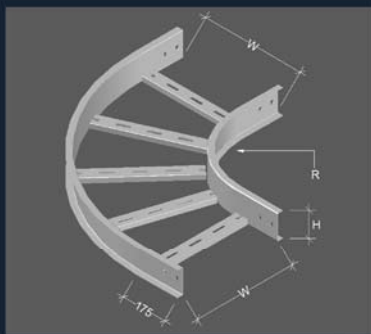


Cable Ladder SLHD-C- Type

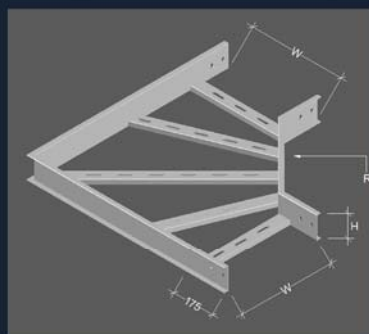
PT. Baruna Trayindo Jaya



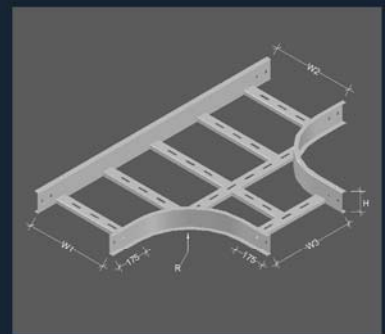
Straight Ladder SLHD - C - Type



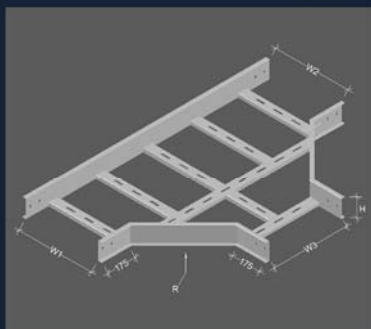
Horizontal Elbow Radius SLHD -C- Type



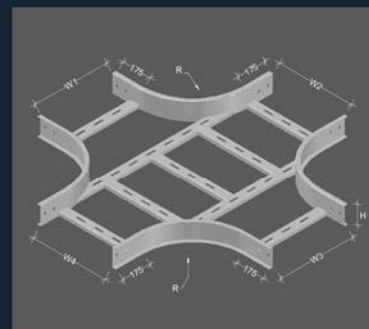
Horizontal Elbow Diagonal SLHD -C- Type



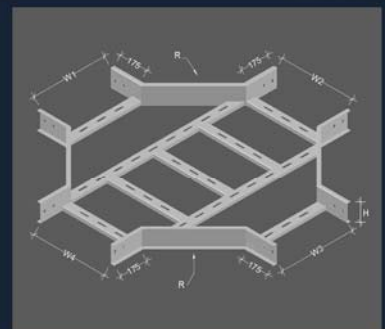
Horizontal Tee Radius SLHD - C - Type



Horizontal Tee Diagonal SLHD - C - Type



Horizontal Cross Radius SLHD - C - Type

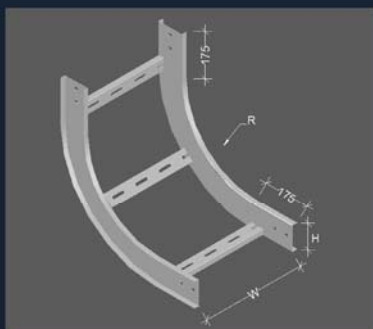


Horizontal Cross Diagonal SLHD- C - Type

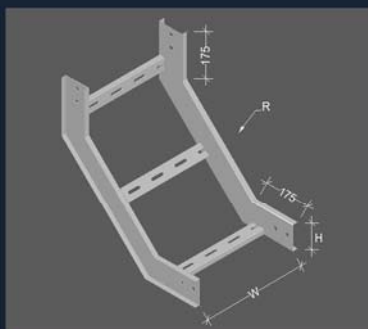
Cable Ladder SLHD-C- Type



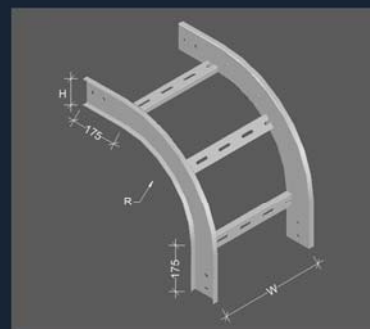
PT. Baruna Trayindo Jaya



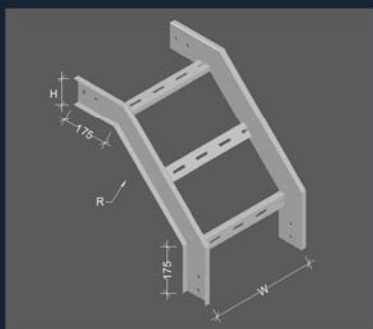
Vertical Inside Riser Radius SLHD - C - Type



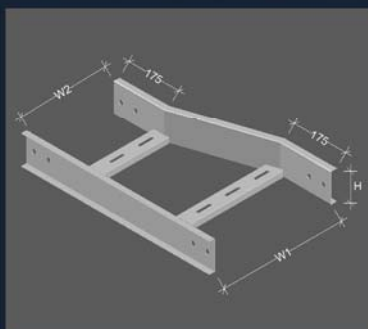
Vertical Inside Riser Diagonal SLHD - C - Type



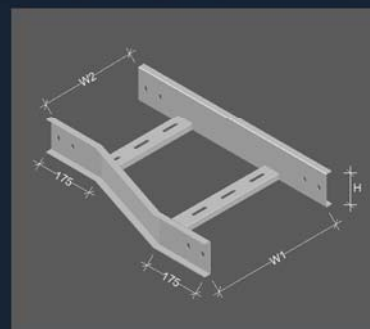
Vertical Outside Riser Radius SLHD - C - Type



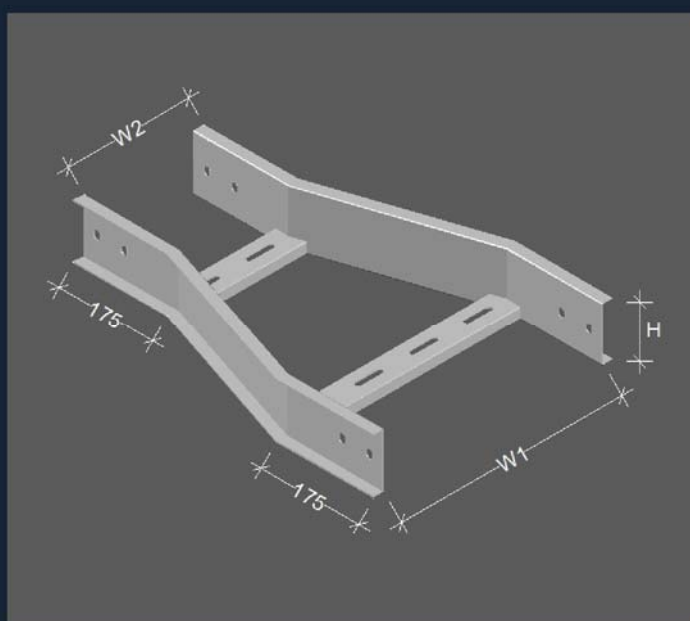
Vertical Outside Riser Diagonal SLHD - C - Type



Left Hand Reducer SLHD - C - Type



Right Hand Reducer SLHD - C - Type



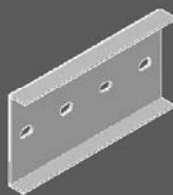
Center Reducer SLHD - C - Type



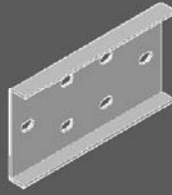
Cable Ladder SLHD-C- Type

PT. Baruna Trayindo Jaya

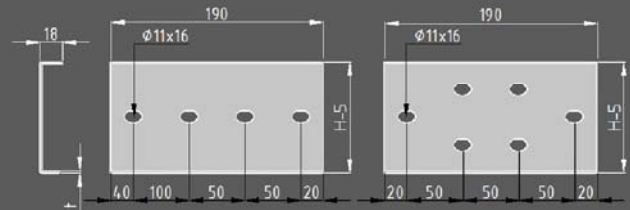
JOINTING SET



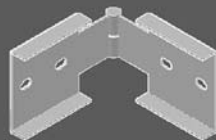
FOR H50/100



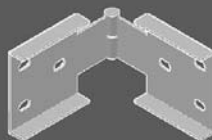
FOR H127/150



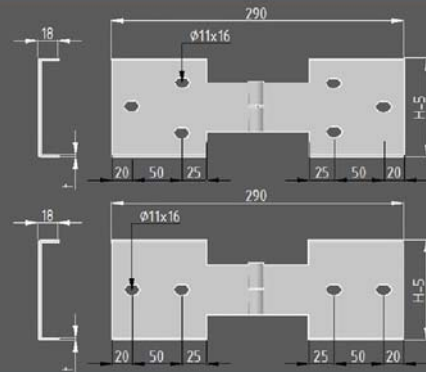
HORIZONTAL FISH PLATE



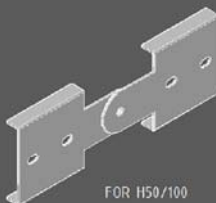
FOR H50/100



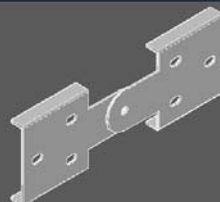
FOR H127/150



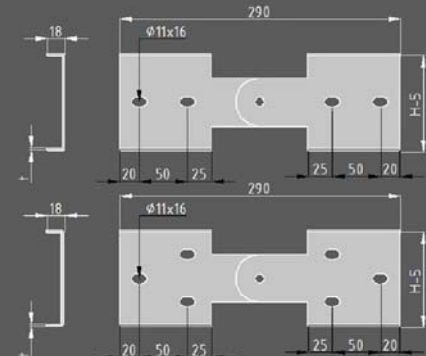
VERTICAL FISH PLATE



FOR H50/100



FOR H127/150



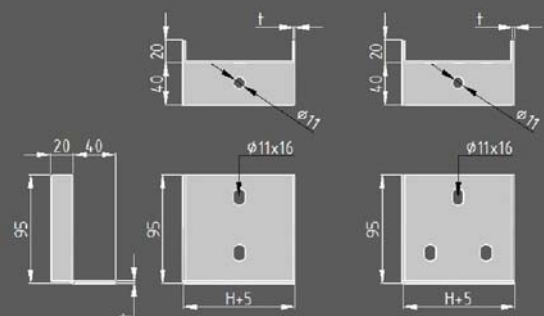
SPLICE PLATE SET FOR STAND



FOR H50/100



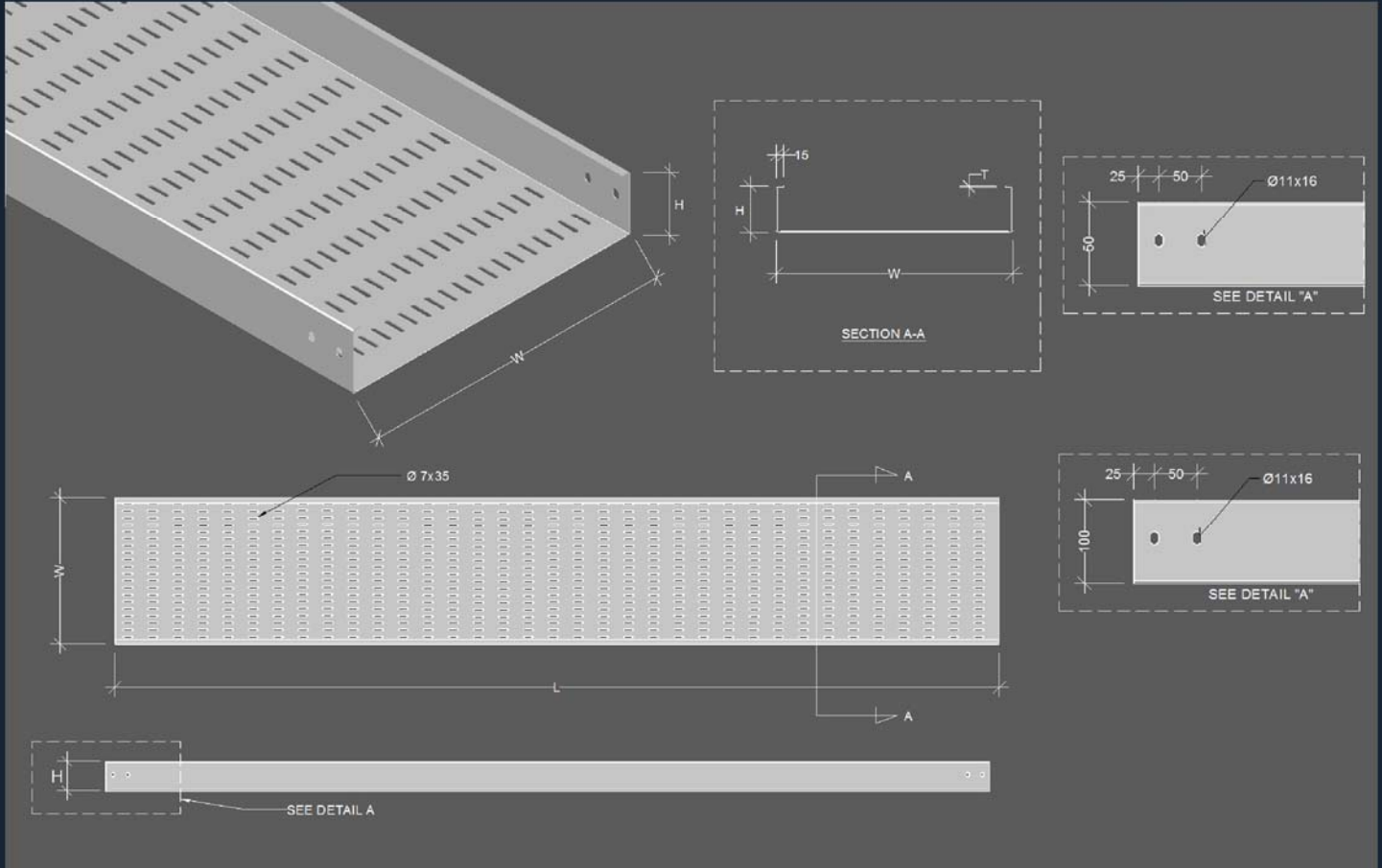
FOR H127/150



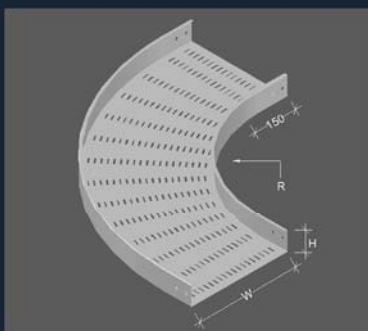
Cable Tray STC- Type



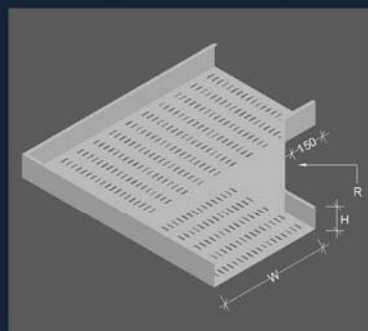
PT. Baruna Trayindo Jaya



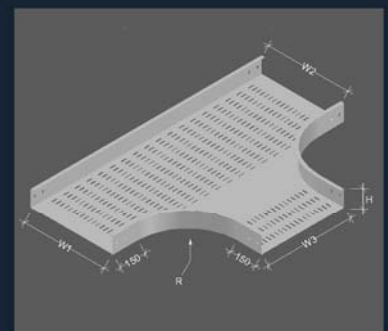
Straight Tray STC - Type



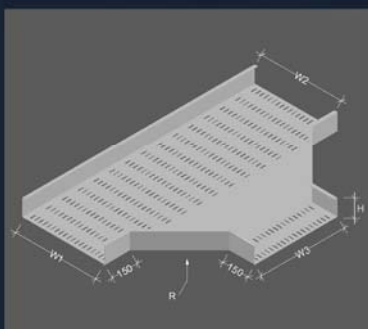
Horizontal Elbow Radius STC - Type



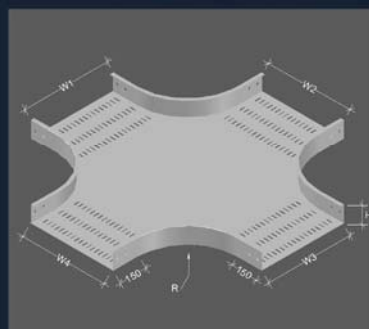
Horizontal Elbow Diagonal STC - Type



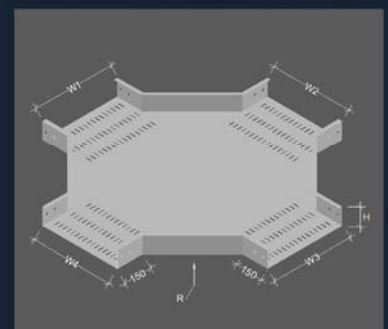
Horizontal Tee Radius STC - Type



Horizontal Tee Diagonal STC - Type



Horizontal Cross Radius STC - Type

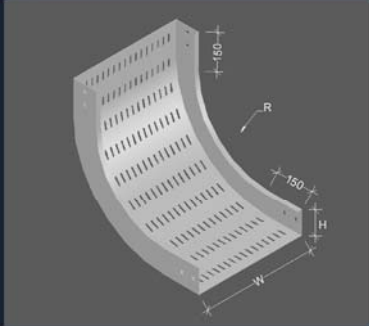


Horizontal Cross Diagonal STC - Type

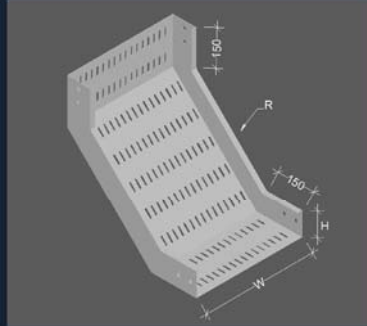


Cable Tray STC- Type

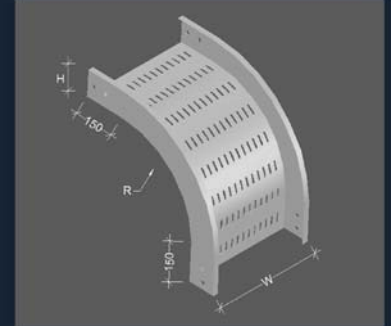
PT. Baruna Trayindo Jaya



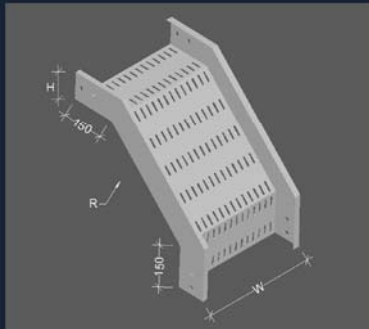
Vertical Inside Riser Radius STC - Type



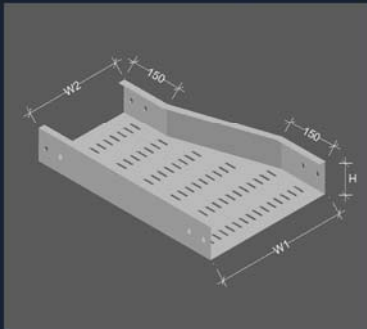
Vertical Inside Riser Diagonal STC - Type



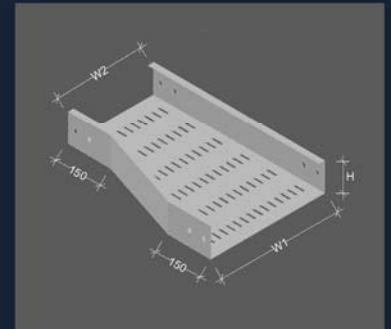
Vertical Outside Riser Radius STC - Type



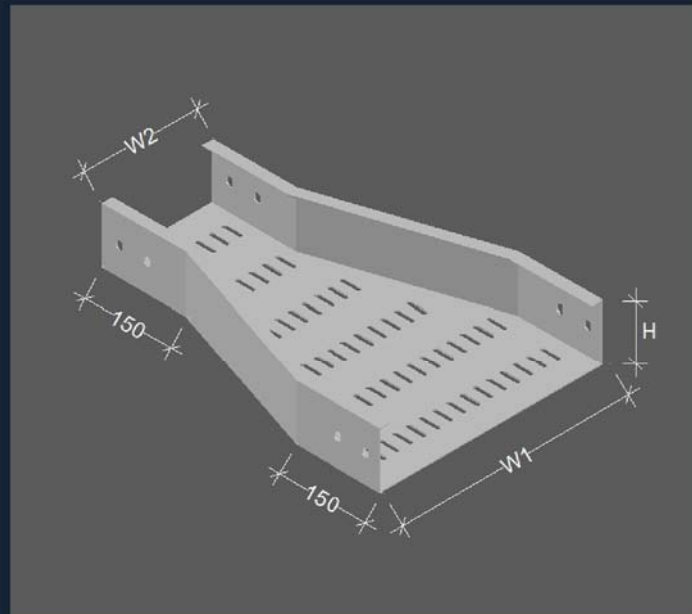
Vertical Outside Riser Diagonal STC - Type



Left Hand Reducer STC - Type



Right Hand Reducer STC - Type



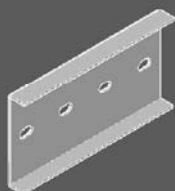
Center Reducer STC - Type

Cable Tray STC- Type

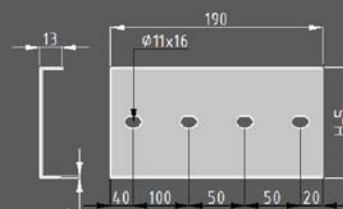


PT. Baruna Trayindo Jaya

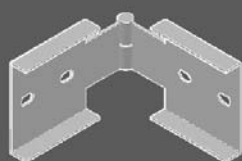
JOINTING SET



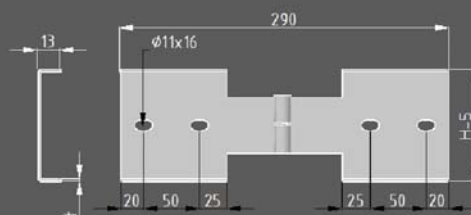
FOR H50/100



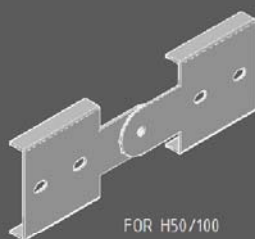
HORIZONTAL FISH PLATE



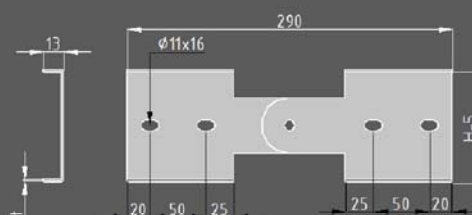
FOR H50/100



VERTICAL FISH PLATE



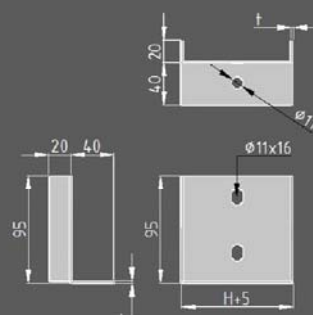
FOR H50/100



SPLICE PLATE SET FOR STAND



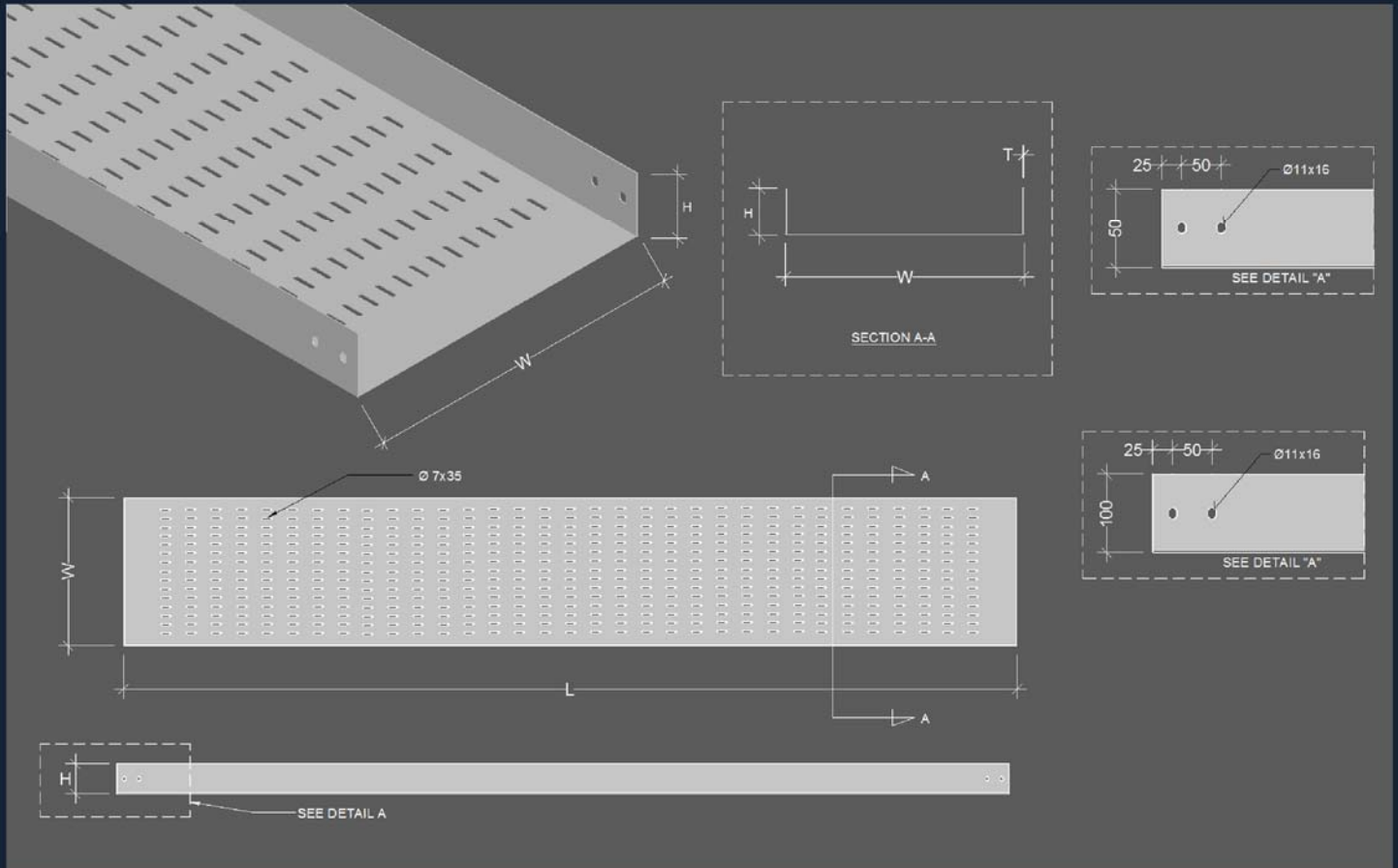
FOR H50/100



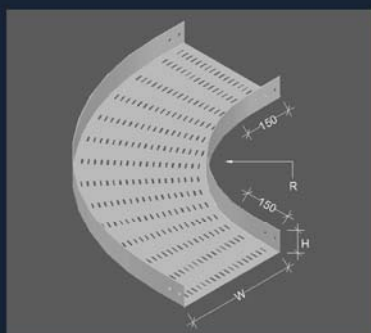


Cable Tray STU- Type

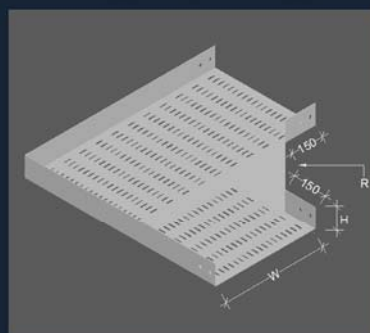
PT. Baruna Trayindo Jaya



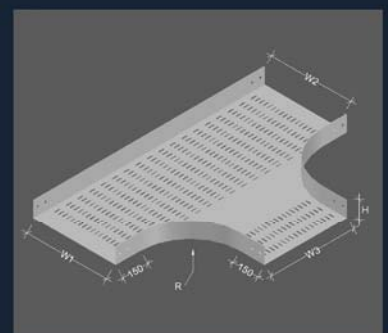
Straight Tray STU - Type



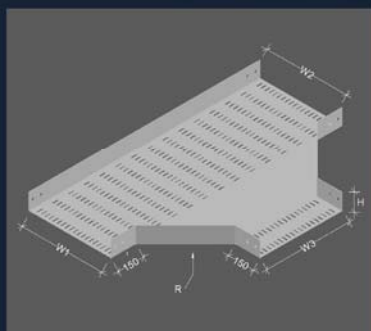
Horizontal Elbow Radius STU - Type



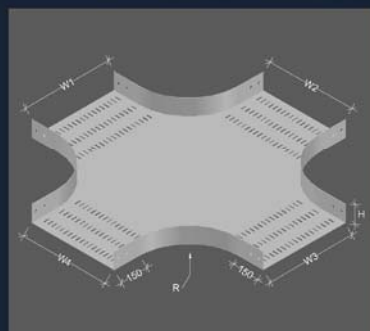
Horizontal Elbow Diagonal STU - Type



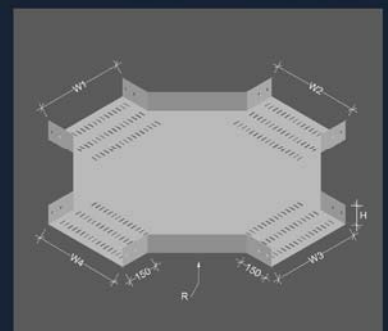
Horizontal Tee Radius STU - Type



Horizontal Tee Diagonal STU - Type



Horizontal Cross Radius STU - Type

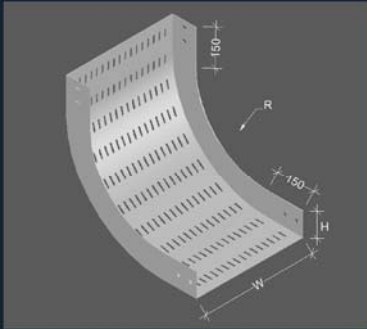


Horizontal Cross Diagonal STU - Type

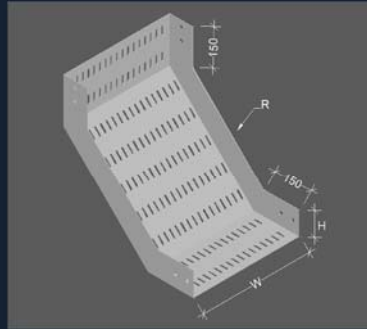
Cable Tray STU- Type



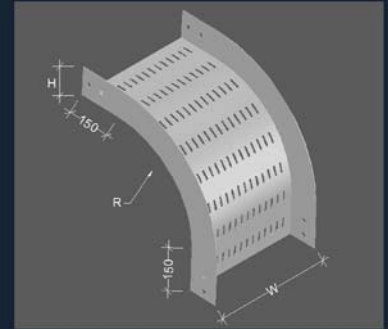
PT. Baruna Trayindo Jaya



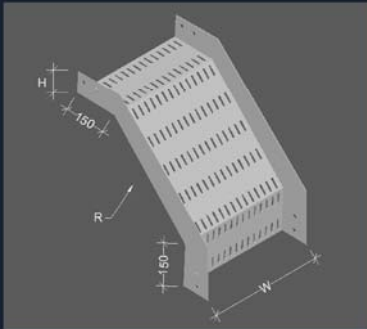
Vertical Inside Riser Radius STU - Type



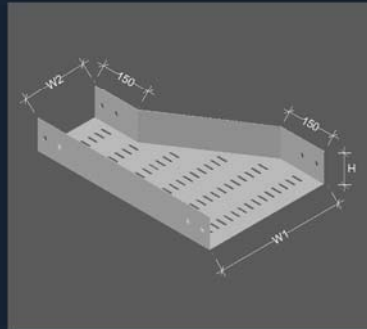
Vertical Inside Riser Diagonal STU - Type



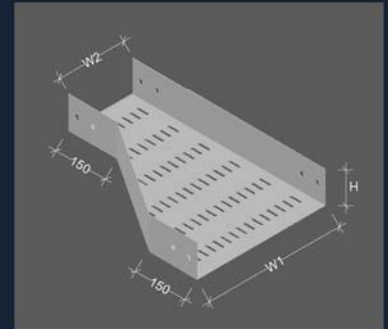
Vertical Outside Riser Radius STU - Type



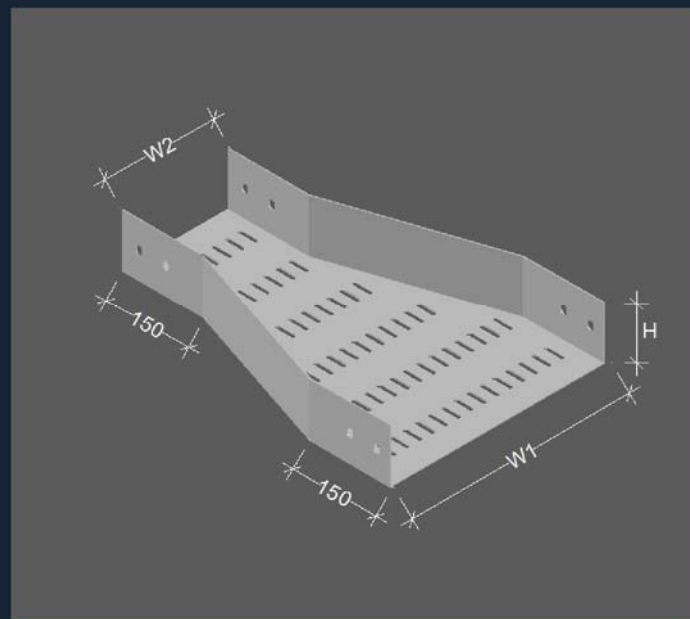
Vertical Outside Riser Diagonal STU - Type



Left Hand Reducer STU - Type



Right Hand Reducer STU - Type



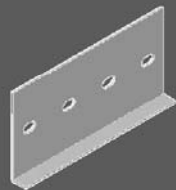
Center Reducer STU - Type



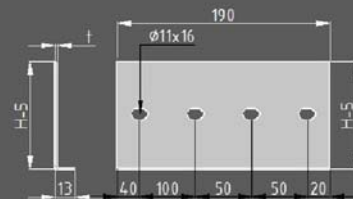
Cable Tray STU- Type

PT. Baruna Trayindo Jaya

JOINTING SET



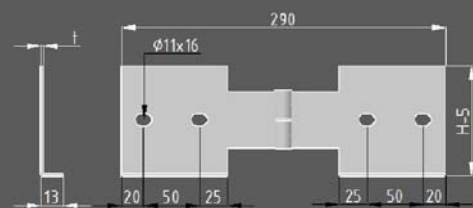
FOR H50/100



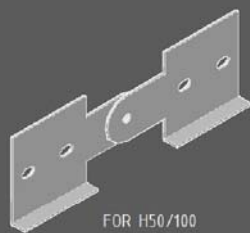
HORIZONTAL FISH PLATE



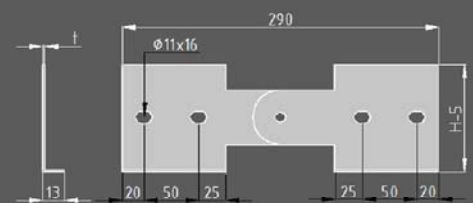
FOR H50/100



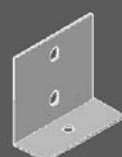
VERTICAL FISH PLATE



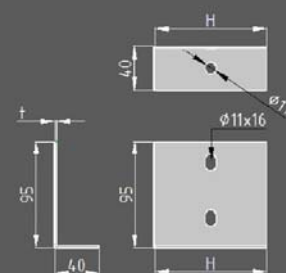
FOR H50/100



SPLICE PLATE SET FOR STAND



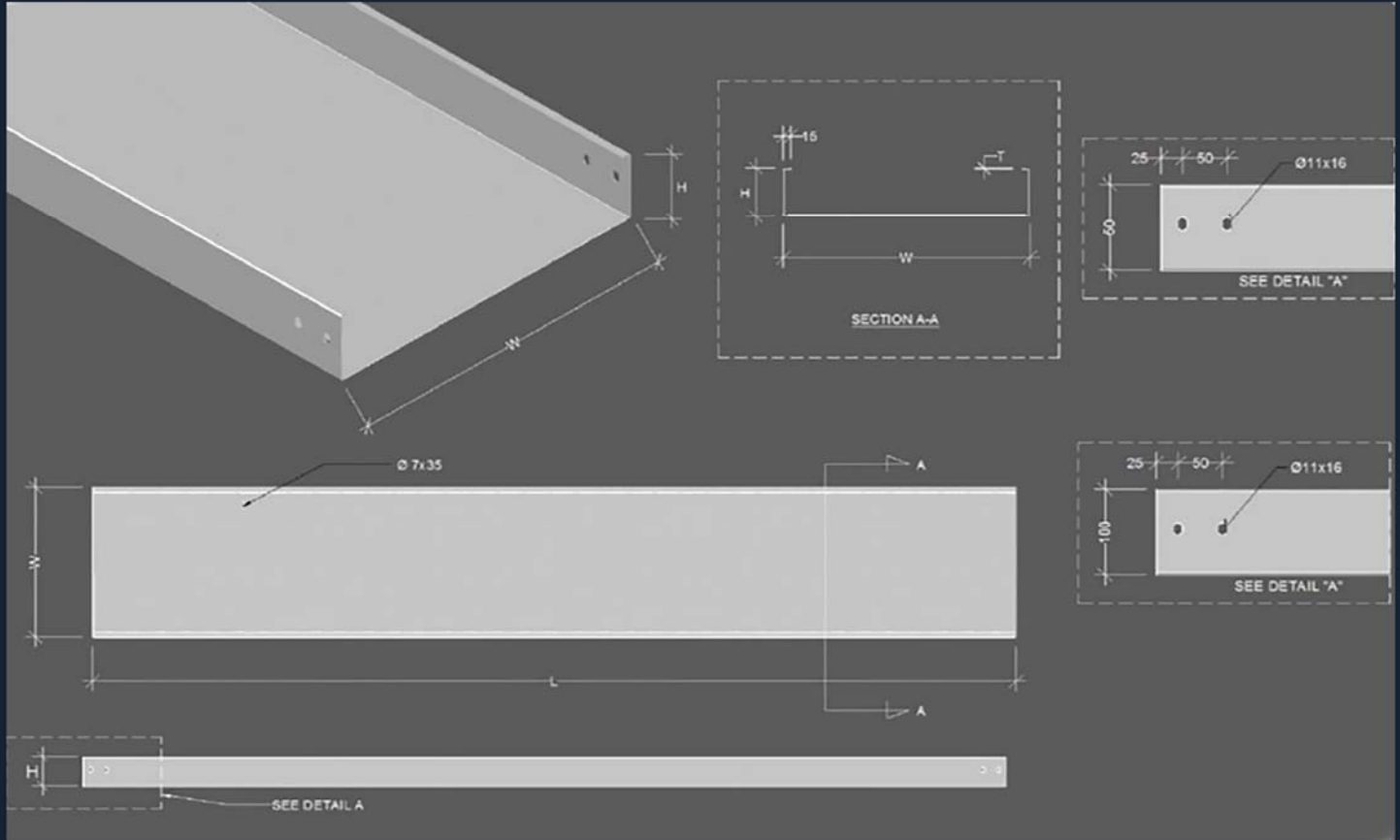
FOR H50/100



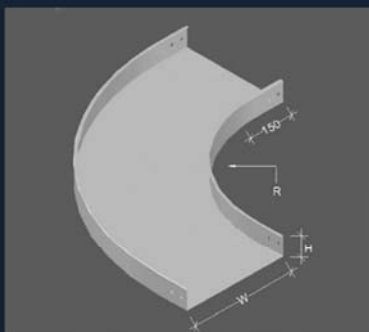
Cable Trunking / Duct - Type



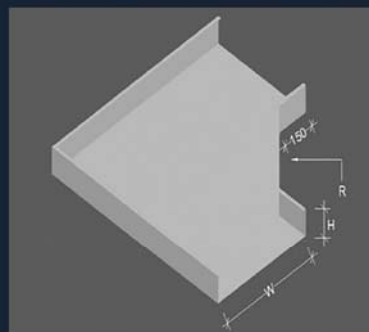
PT. Baruna Trayindo Jaya



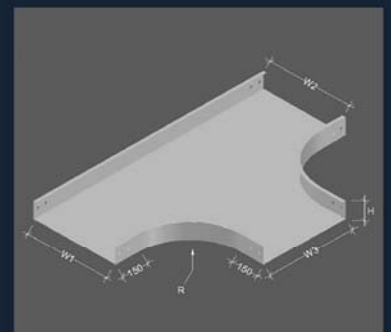
Straight Trunking / Duct - Type



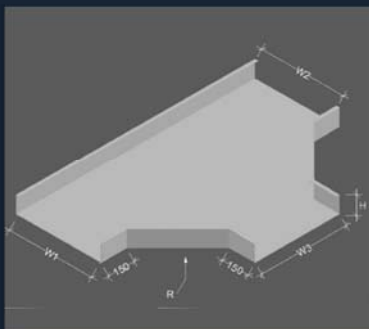
Horizontal Elbow Radius Duct - Type



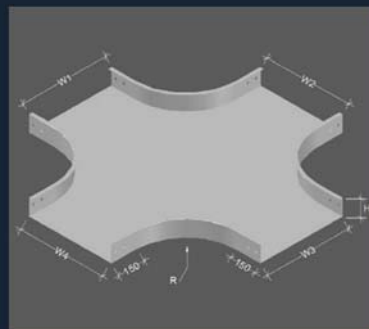
Horizontal Elbow Diagonal Duct - Type



Horizontal Tee Radius Duct - Type



Horizontal Tee Diagonal Duct - Type



Horizontal Cross Radius Duct - Type

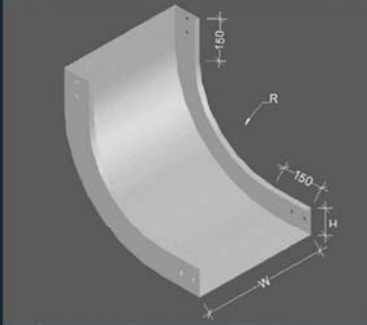


Horizontal Cross Diagonal Duct - Type

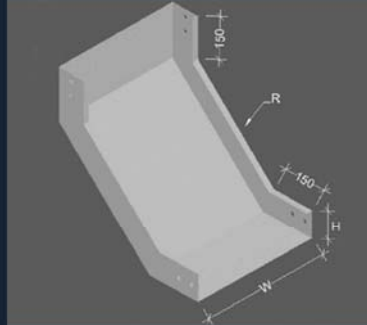


Cable Trunking / Duct - Type

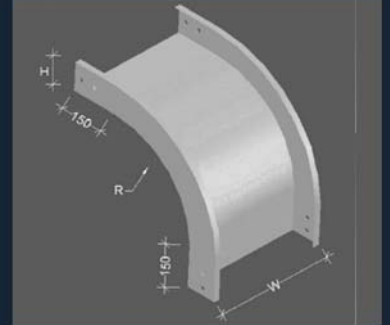
PT. Baruna Trayindo Jaya



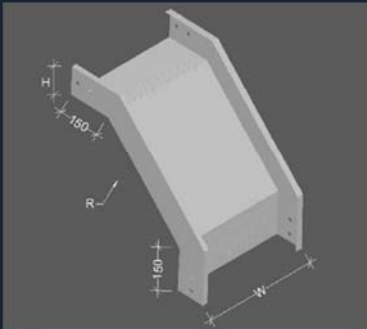
Vertical Inside Riser radius Duct - Type



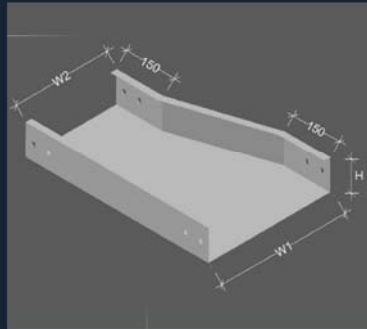
Vertical Inside Riser diagonal Duct - Type



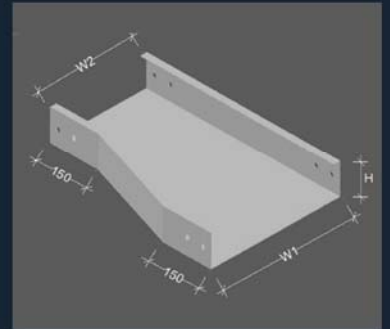
Vertical Outside Riser radius Duct - Type



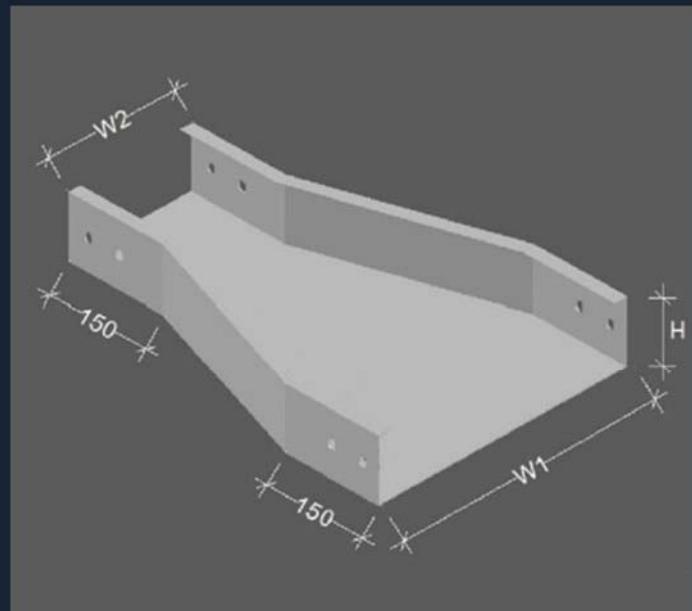
Vertical Outside Riser diagonal Duct - Type



Left Hand Reducer Duct - Type



Right Hand Reducer Duct - Type



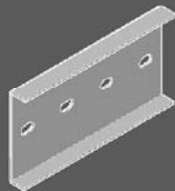
Center Reducer Duct - Type

Cable Trunking / Duct - Type

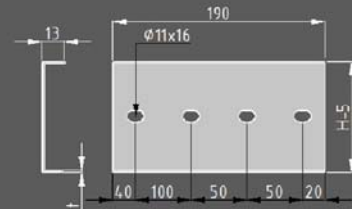


PT. Baruna Trayindo Jaya

JOINTING SET



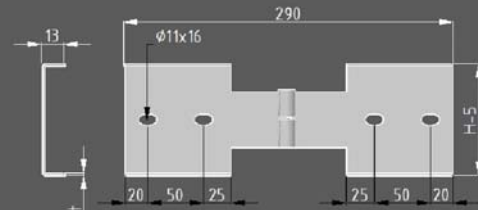
FOR H50/100



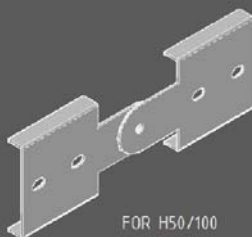
HORIZONTAL FISH PLATE



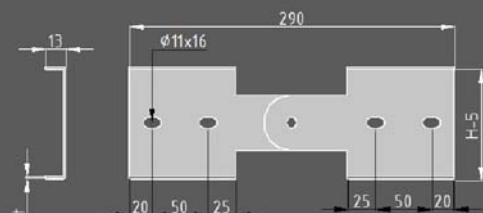
FOR H50/100



VERTICAL FISH PLATE



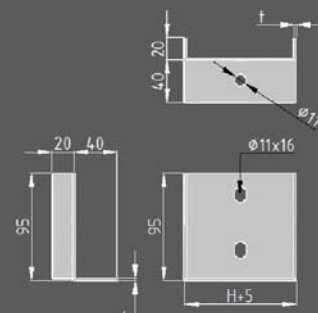
FOR H50/100



SPLICE PLATE SET FOR STAND



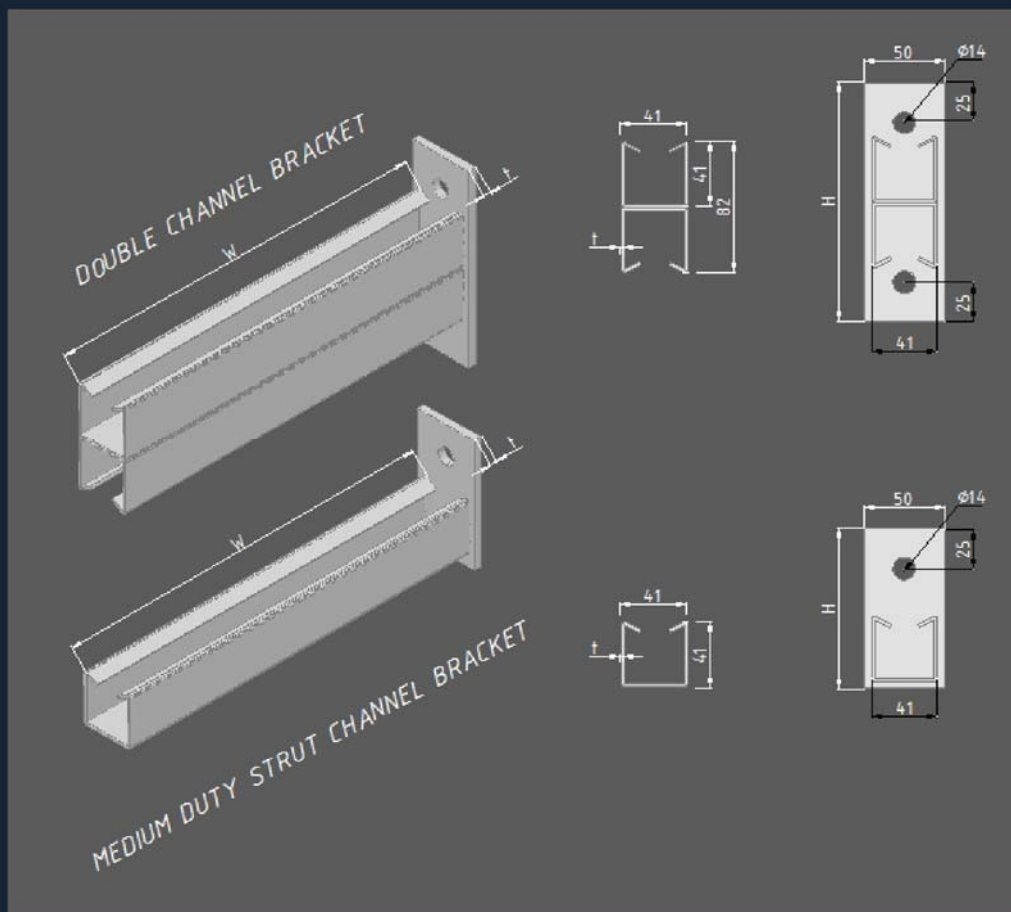
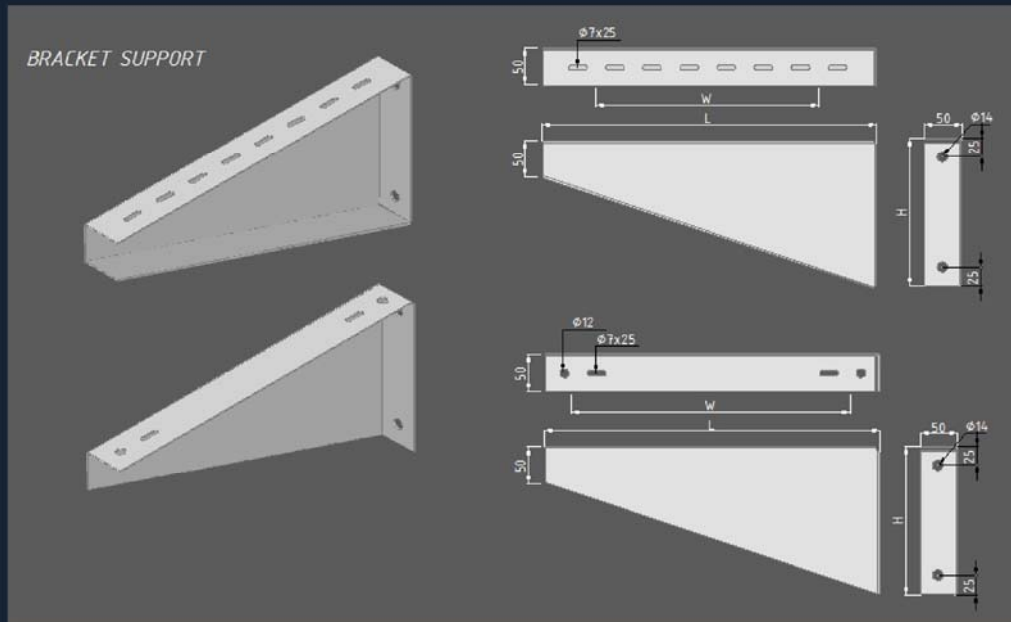
FOR H50/100





Accessories

PT. Baruna Trayindo Jaya



100

30

SEPARATOR SUPPORT

SEPARATOR SUPPORT SIMULATION

SEPARATOR

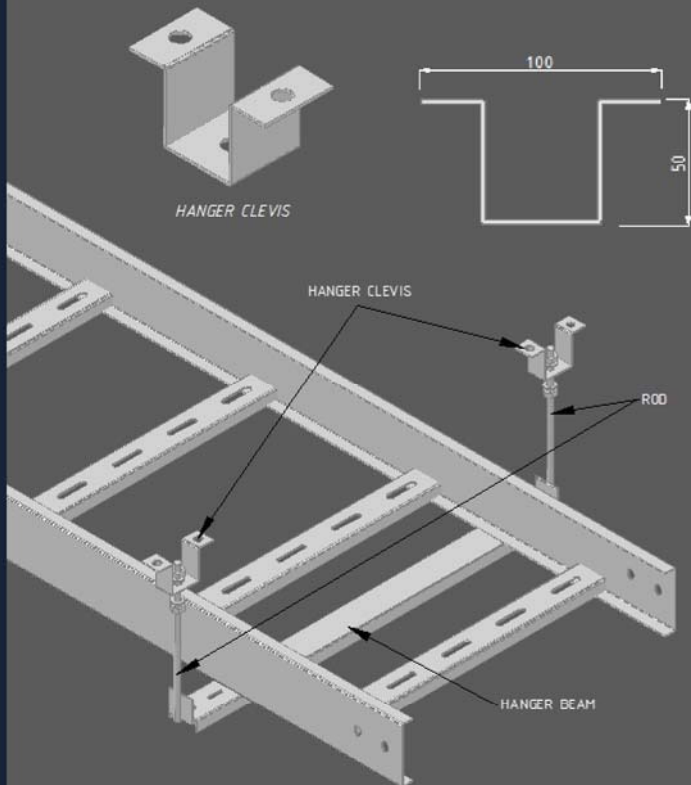




PT. Baruna Trayindo Jaya

Accessories

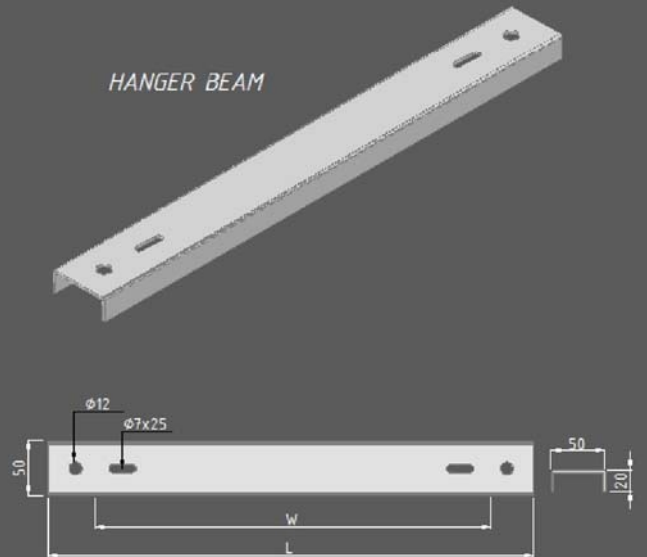
HANGER CLEVIS SIMULATION



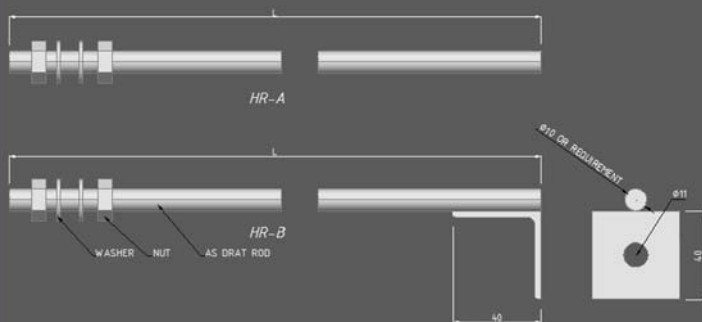
U-CHANNEL



HANGER BEAM



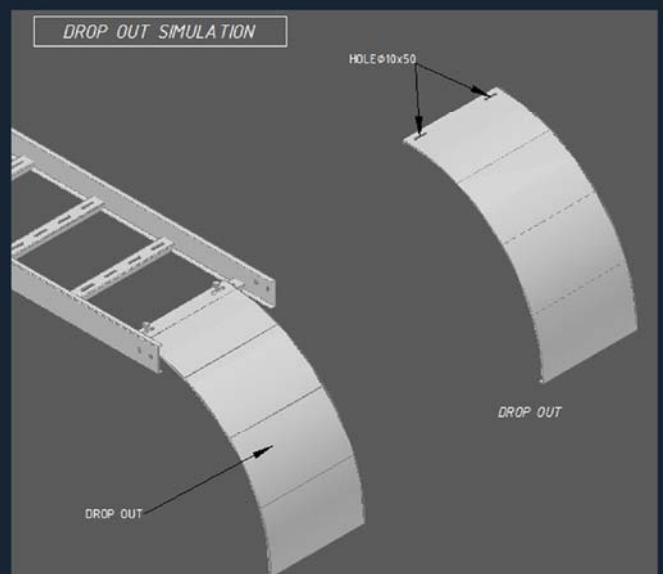
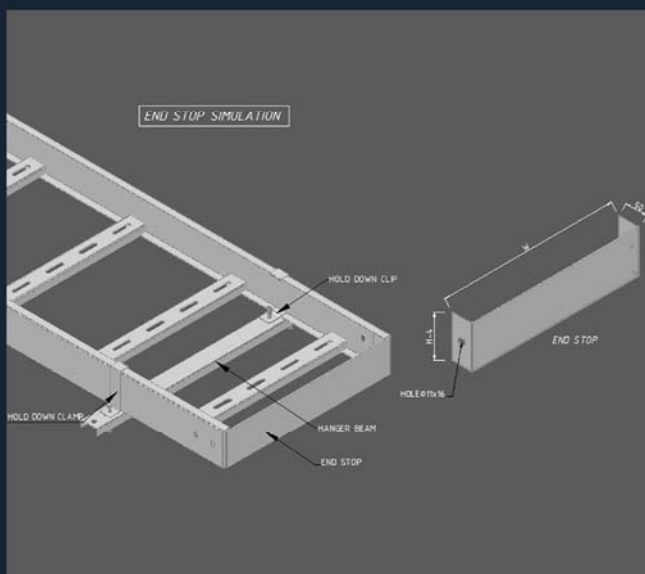
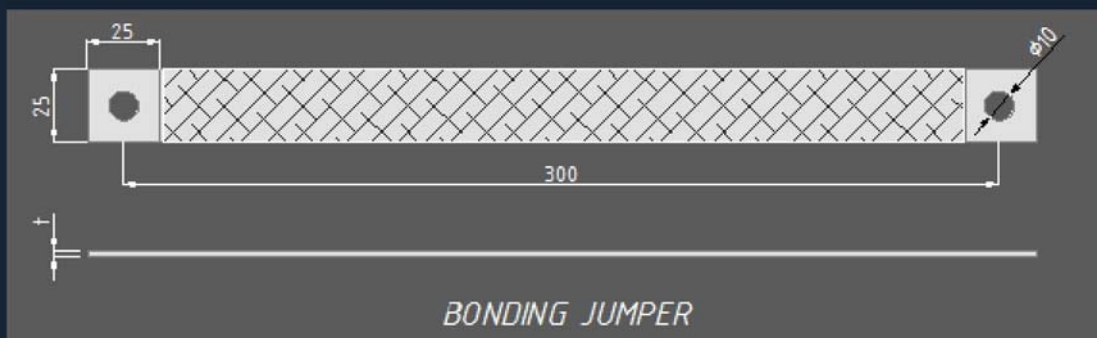
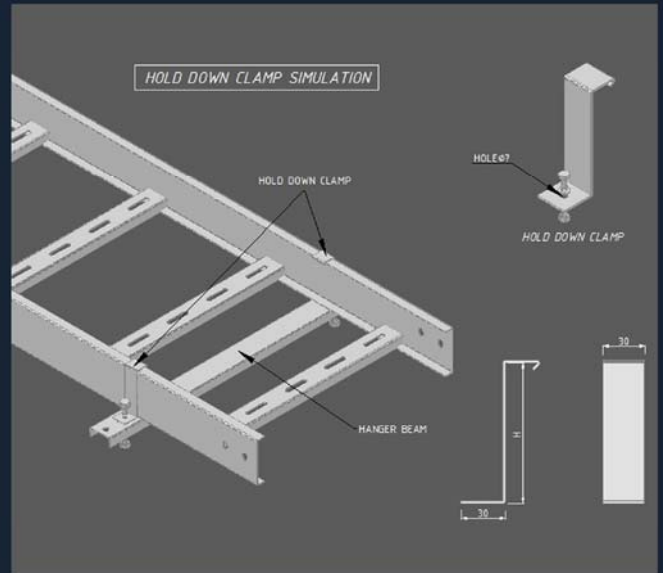
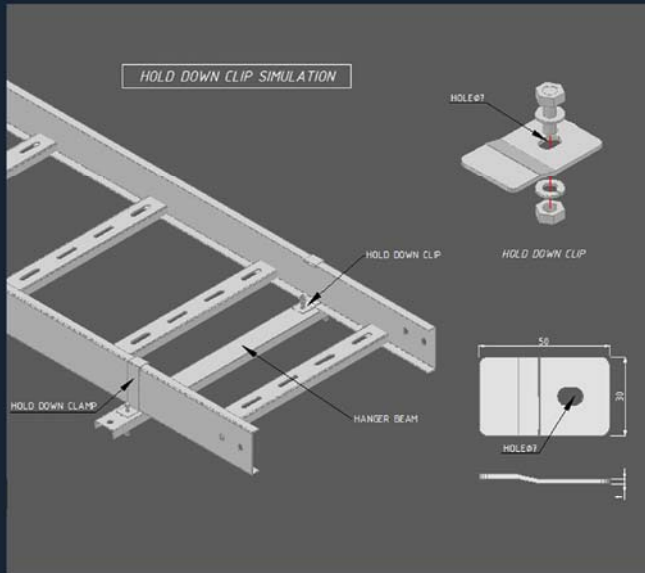
HANGER ROD



Accessories



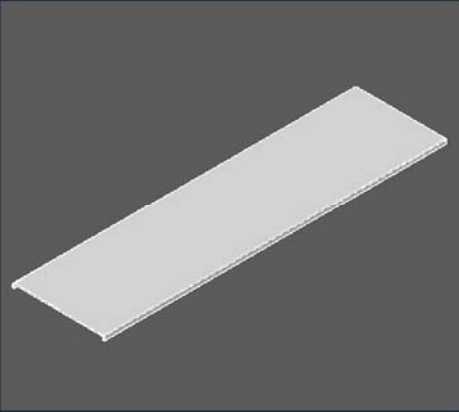
PT. Baruna Trayindo Jaya



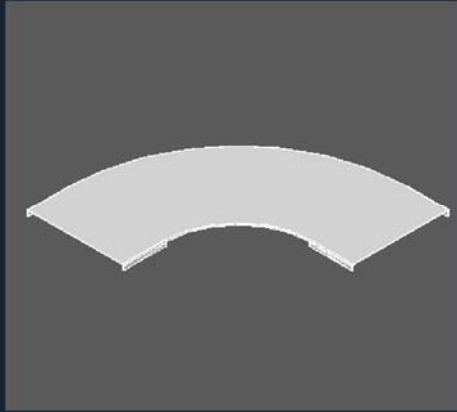


Cover For Cable Tray & Ladder

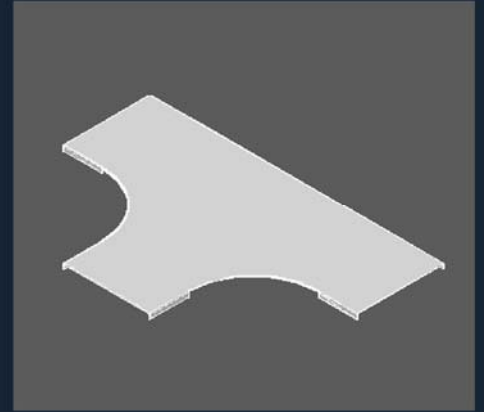
PT. Baruna Trayindo Jaya



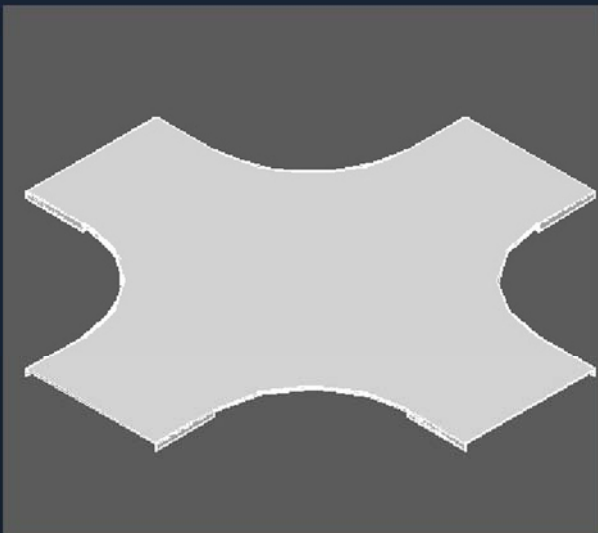
Straight Cover



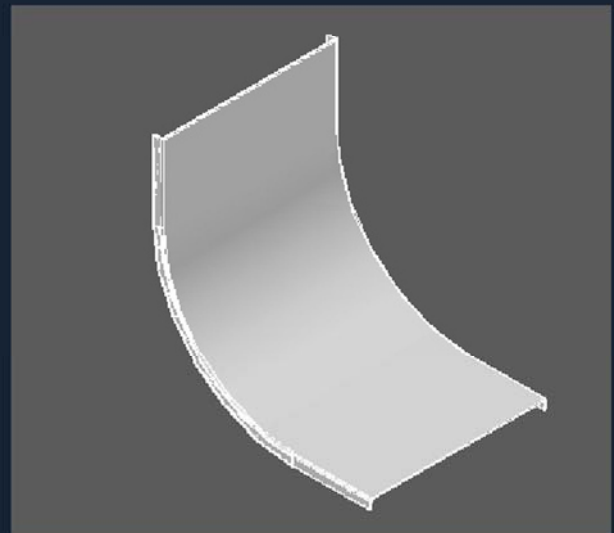
Elbow Cover



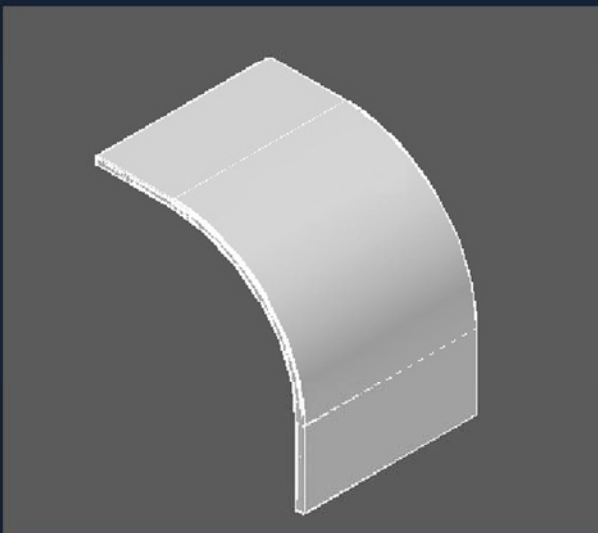
Tee Cover



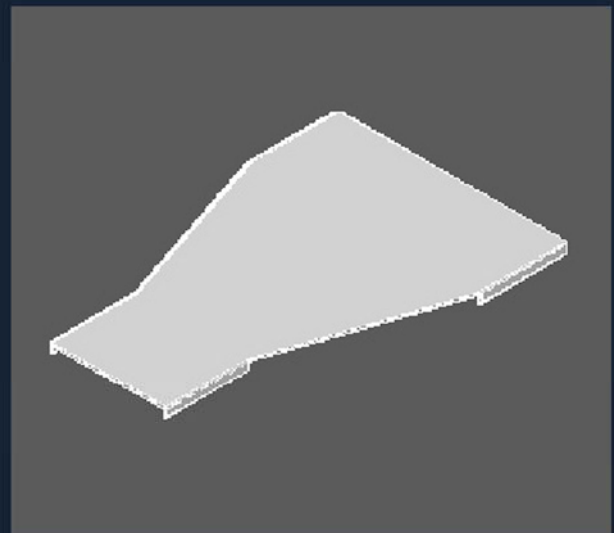
Cross Cover



Inside Riser Cover



Outside Riser Cover

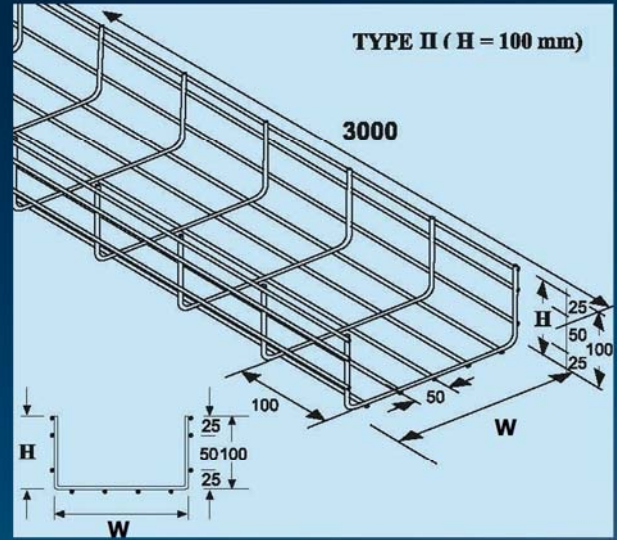
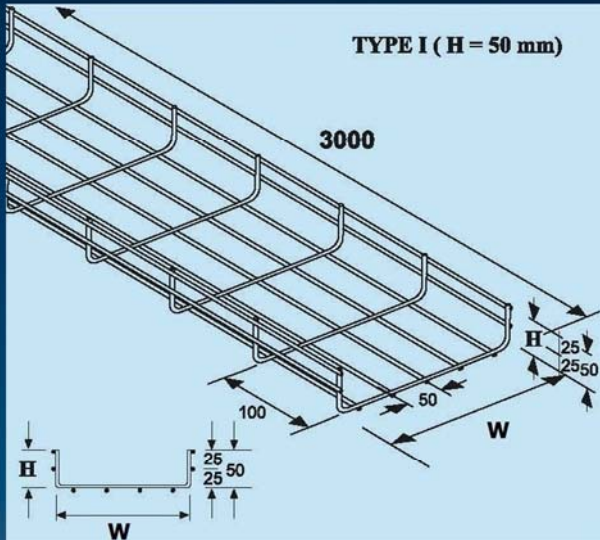


Reducer Cover

Cable Cage Wiremesh - Type



PT. Baruna Trayindo Jaya



Superiority Cable cage

The system installation is very esy and will not break even with many heavy loads

Price is cheaper than using tray system steel plate

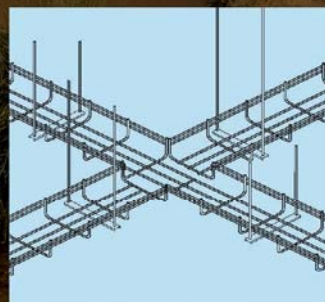
Cable can be issued in accordancewith the wishes

Easy in making elbow, tee, cross and offset

Quick and easy assembly

Wispy and strong

RANGE (TYPE I) H = 50 mm	
W (mm)	
100	
150	
200	
300	
400	
500	
* Standard Ø Material : 5 mm * Standard Length : 3000 mm	



Specification :

Width 50mm - 800mm

Length 3000mm & High 50 - 100mm

Material Wire Rod KS1008 & SS304

Finishing Electroplating Galvanized,

Hotdip Galvanized, Coating

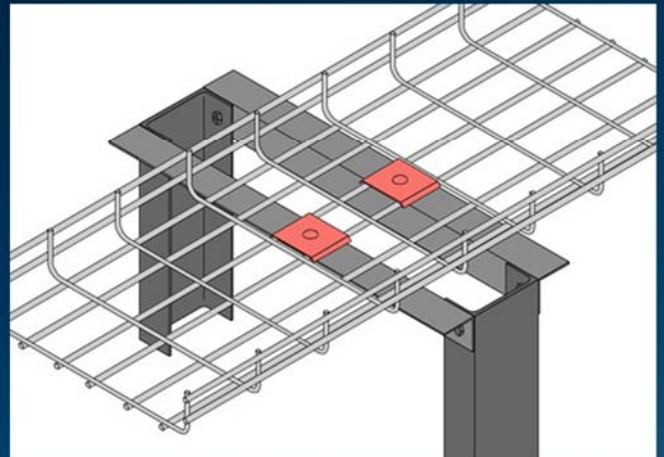
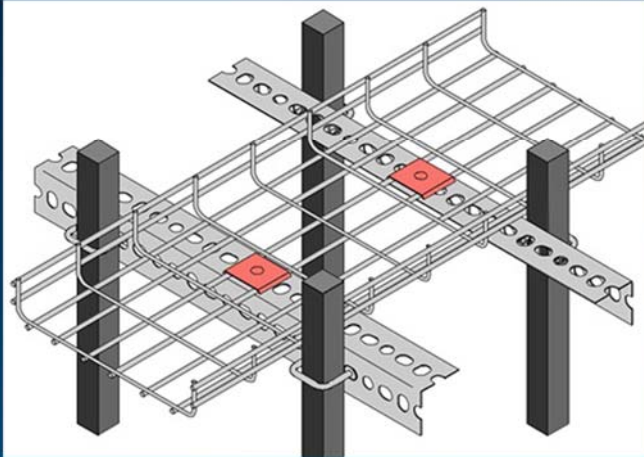
& Natural Finish Stainless Steel

RANGE (TYPE II) H = 100 mm	
W (mm)	
100	
150	
200	
300	
400	
500	
* Standard Ø Material : 5 mm * Standard Length : 3000 mm	



Cable Cage Wiremesh - Type

PT. Baruna Trayindo Jaya



Example of installation Clamp U 40

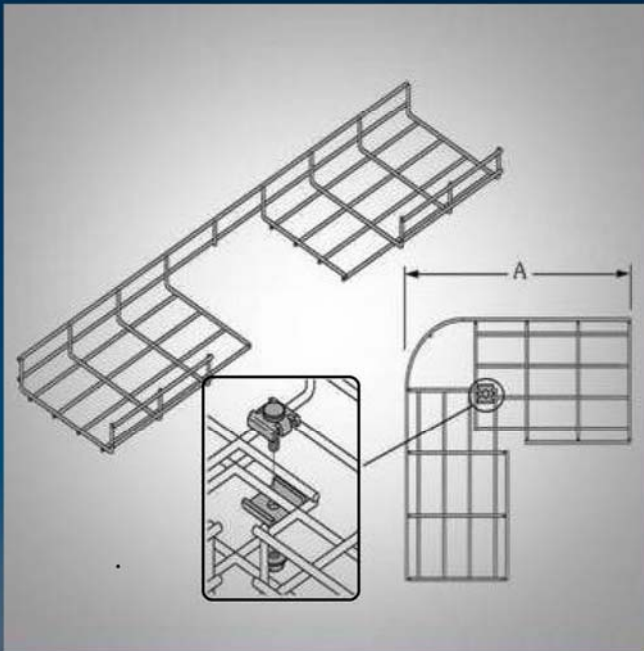
LOADING MAXIMUM

Cable cage	Distance Support 1 Meter	Distance Support 1,5 Meter	Distance Support 2 Meter
W100xH50xL3000	102,2 kg	61,3 kg	35,8 kg
W150xH50xL3000	102,2 kg	61,3 kg	35,8 kg
W200xH50xL3000	107,4 kg	61,3 kg	35,8 kg
W300xH50xL3000	153,4 kg	95 kg	56,2 kg
W400xH50xL3000	153,4 kg	95 kg	56,2 kg
W500xH50xL3000	153,4 kg	102,4 kg	61,3 kg
W600xH50xL3000	163,6 kg	102,4 kg	61 kg
W200xH100xL3000	107,4 kg	61,3 kg	35,8 kg
W300xH100xL3000	153,4 kg	95 kg	56,2 kg
W400xH100xL3000	153,4 kg	95 kg	56,2 kg
W500xH100xL3000	153,4 kg	102,4 kg	61,3 kg
W600xH100xL3000	163,6 kg	102,4 kg	61 kg

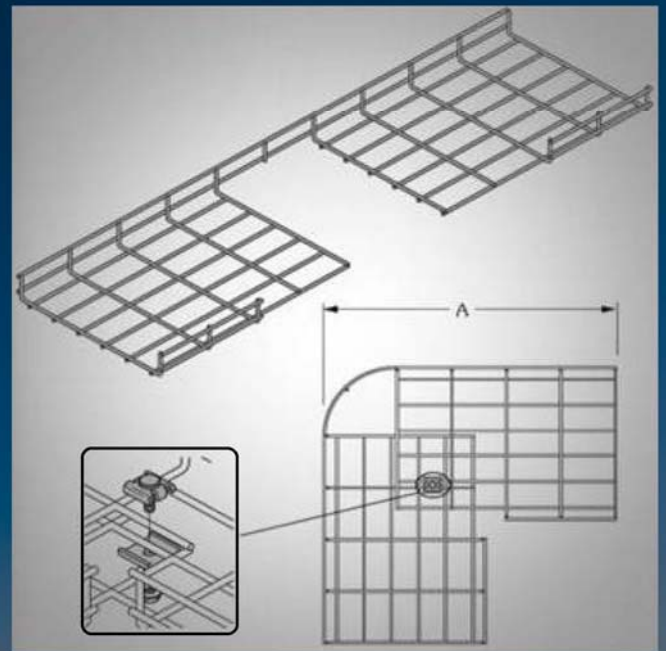
Cable Cage Wiremesh - Type



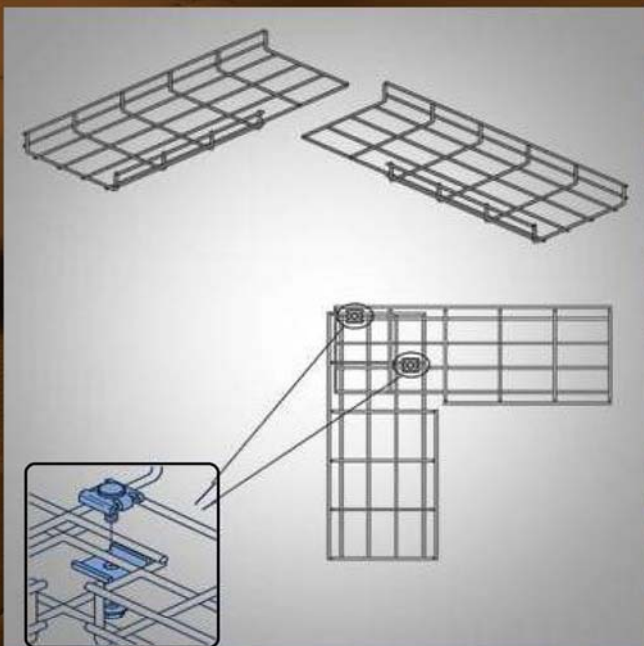
PT. Baruna Trayindo Jaya



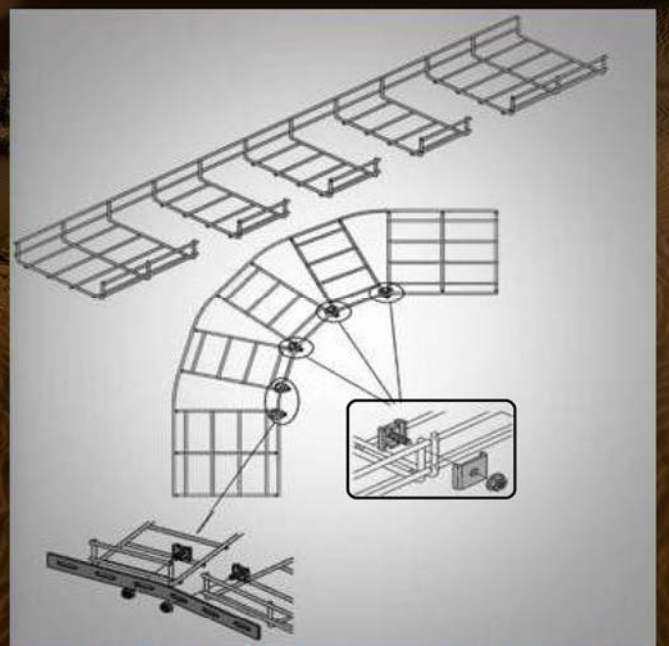
Elbow Width 200mm



Elbow Width 300mm



Elbow 2 Straight

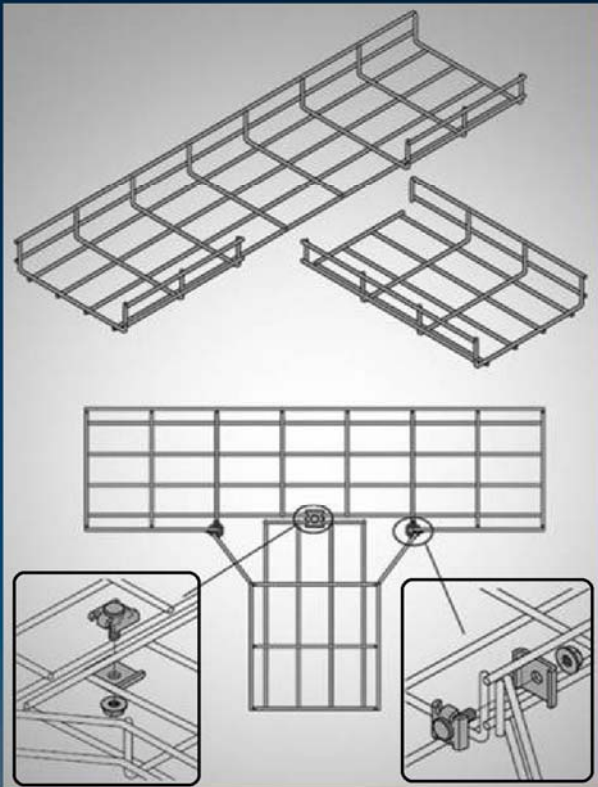


Elbow Long 90 Degree

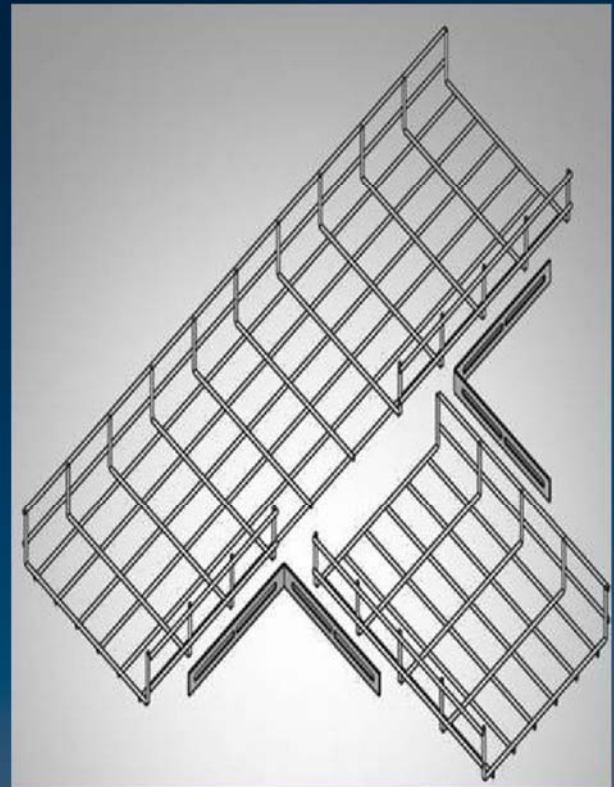


Cable Cage Wiremesh - Type

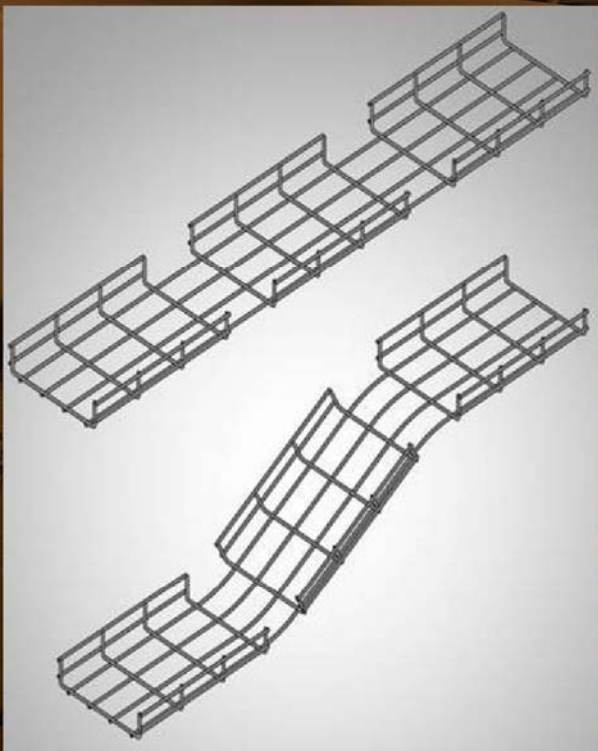
PT. Baruna Trayindo Jaya



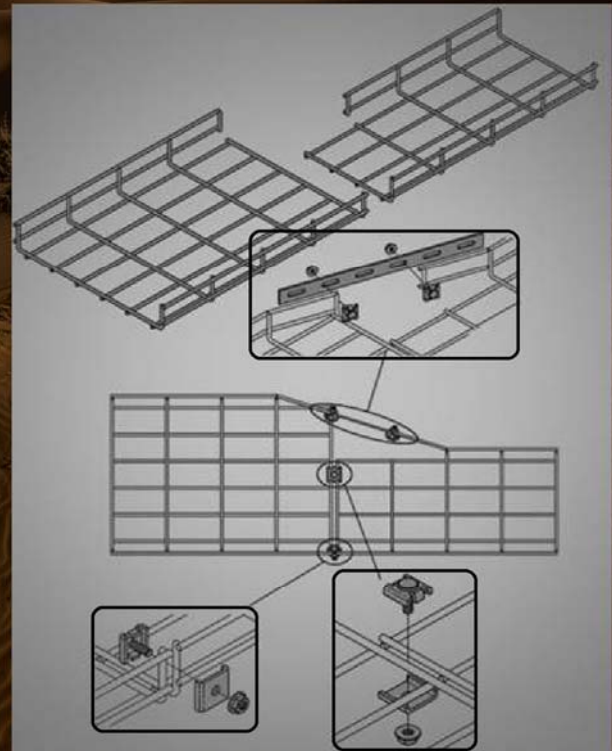
Tee With Joint



Tee With Support



Inside Riser

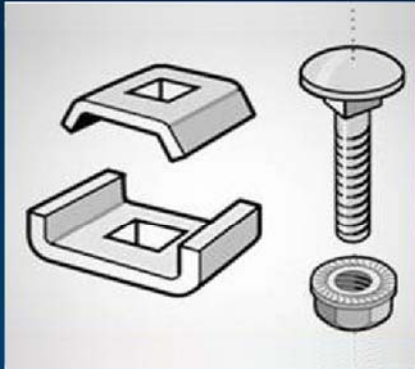


Reducer With Joint

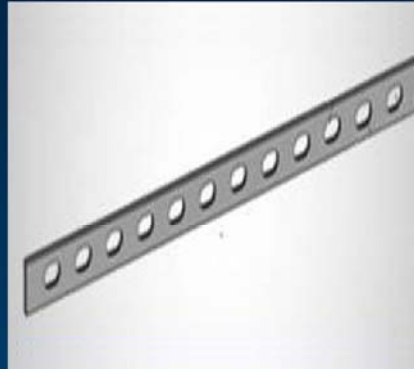
Cable Cage Installation Instruction & Accessories



PT. Baruna Trayindo Jaya



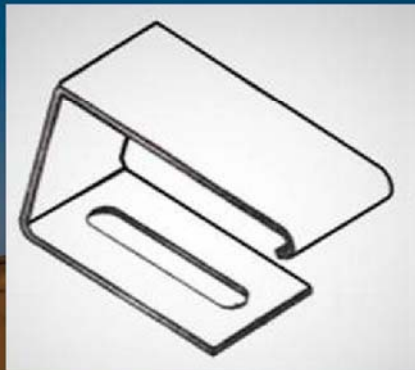
Joint Clip U20 + U30



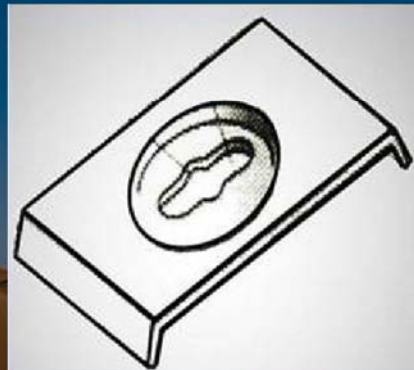
Versatile Joint



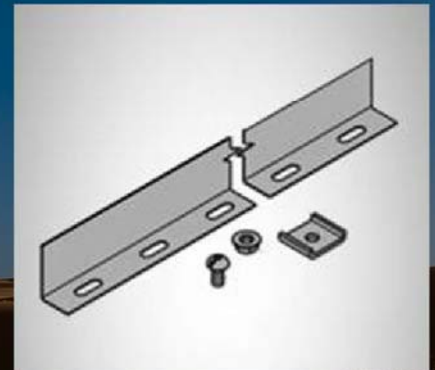
As Rod M8



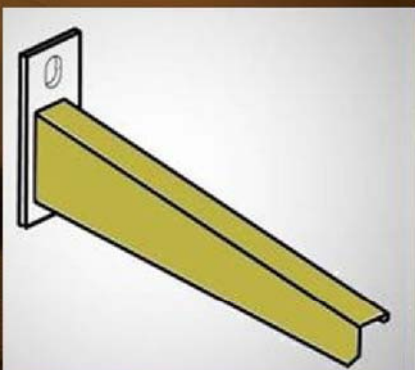
Clamp Handle



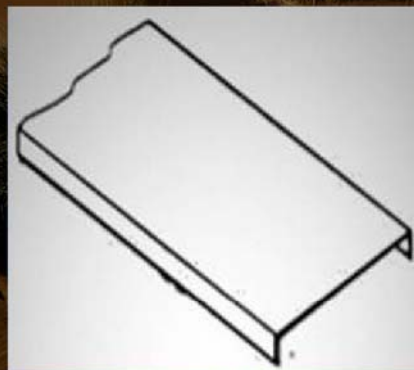
Clamp U40



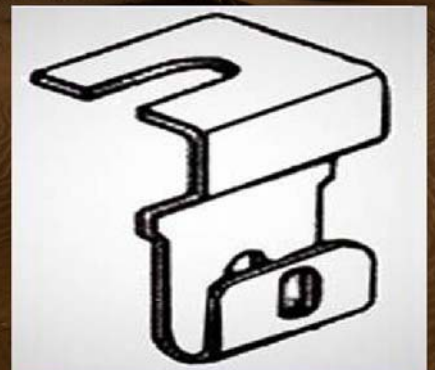
Separator



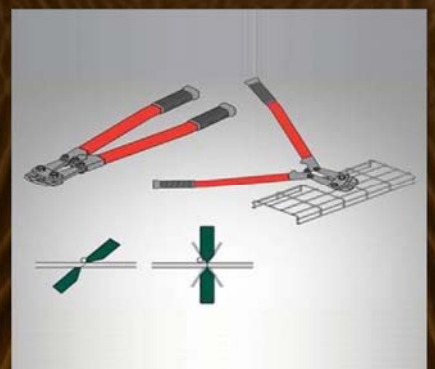
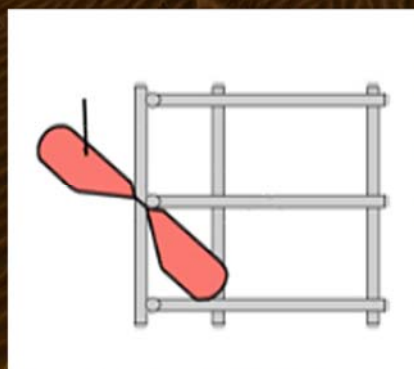
Bracket Support



Cover



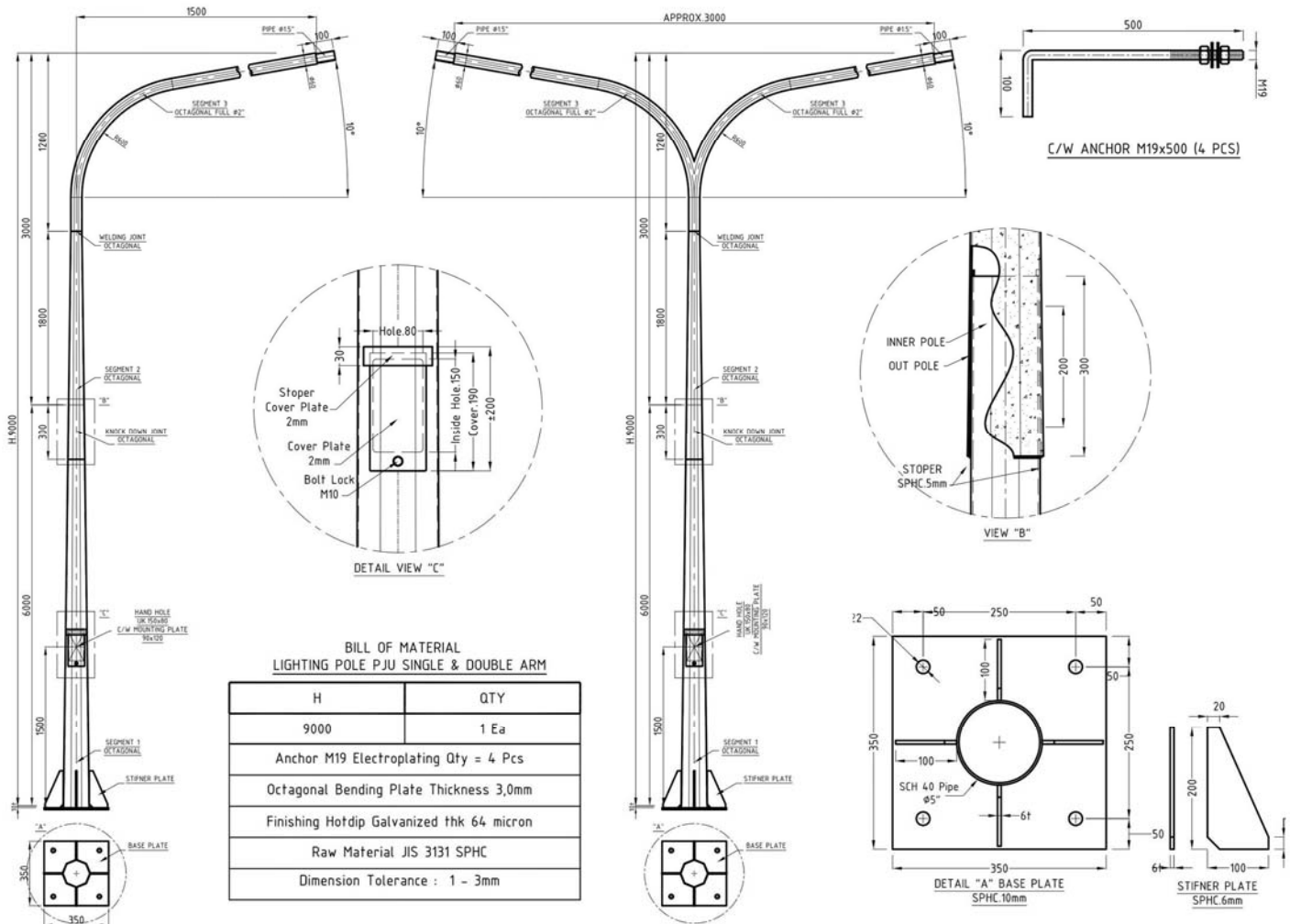
Hanger Fastener





Lighting Pole PJU Single & Double

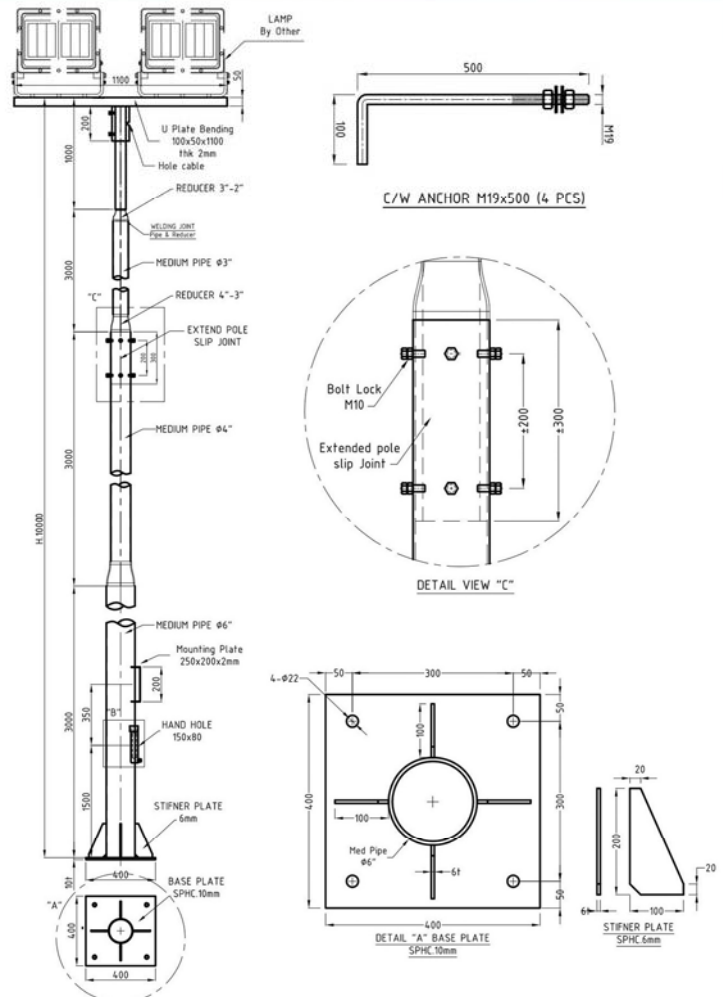
PT. Baruna Trayindo Jaya



Options and Accessories

- Avenue Street Lighting poles are base plate mounted as standard but can be designed for in-ground mounting
- The poles are hot dip galvanized and can be powder coated or painted in the colour of your choice
- The range is available in tapered octagonal only
- Standard mounting heights are 5.5m to 12m
- Standard outreach lengths are 1.5m to 3m
- The standard poles are depicted on this product sheet, however they can be designed for differing heights and outreach lengths
- Avenue poles are also available in a Seesaw configuration.

BILL OF MATERIAL	
FLOOD LIGHTING POLE SINGLE & DOUBLE	
H	QTY
10000	1 Ea
Anchor M19 Electroplating Qty = 4 Pcs	
Round Pole With Medium Pipe 6-4x3-2 Inch	
Finishing Hotdip Galvanized thk 64 micron	
Raw Material JIS 3131 SPHC	
Dimension Tolerance : 1 - 3mm	

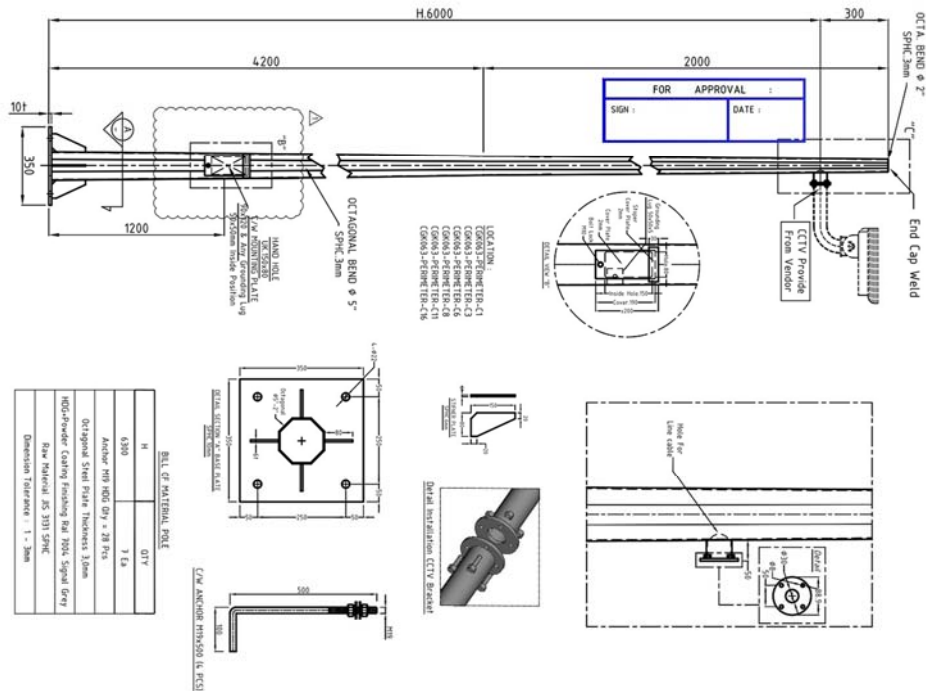


53

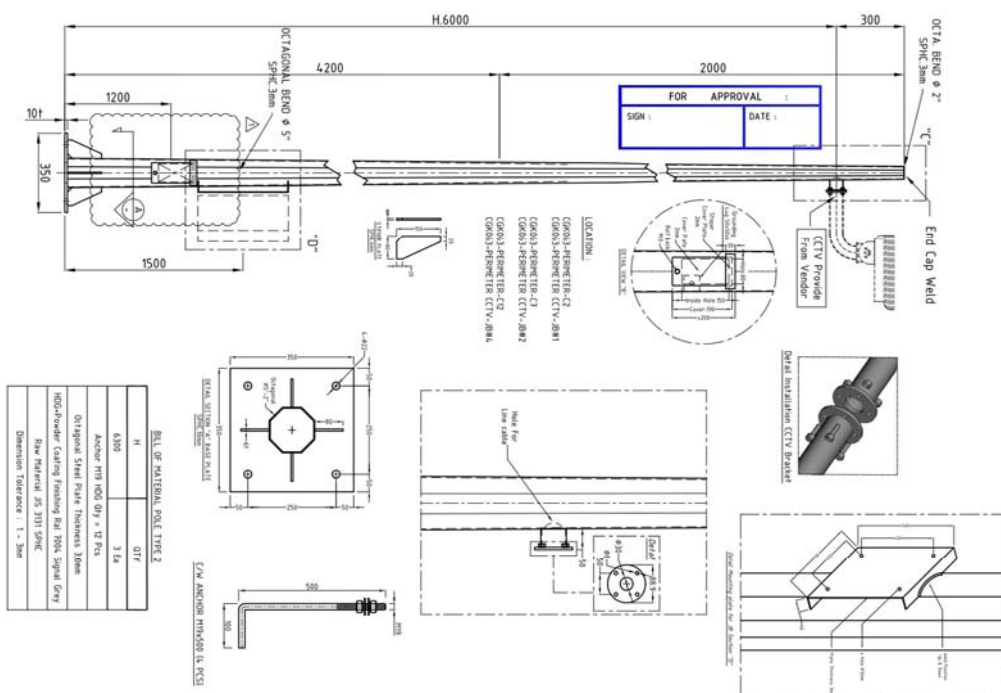


Pole CCTV Fixed Type & Ptz Camera

PT. Baruna Trayindo Jaya



Pole Type 01 CCTV 6 meter

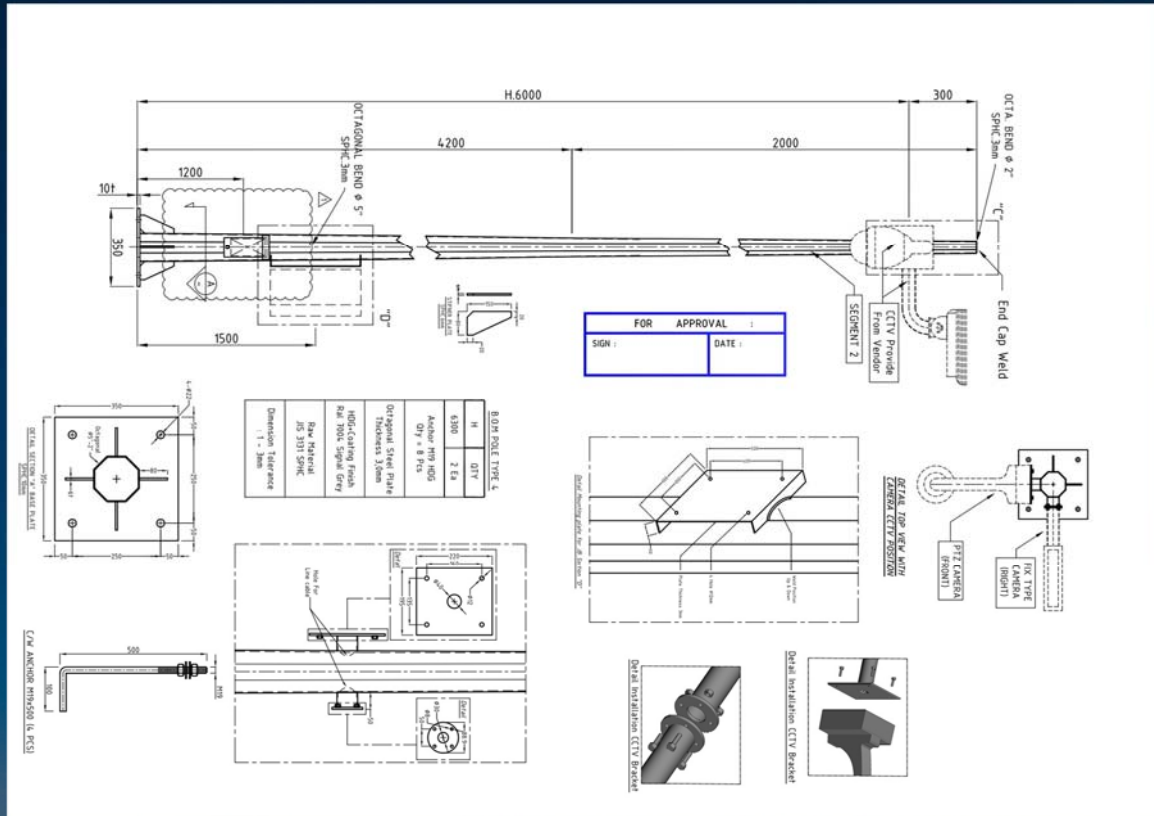


Pole Type 02 CCTV 6 Meter

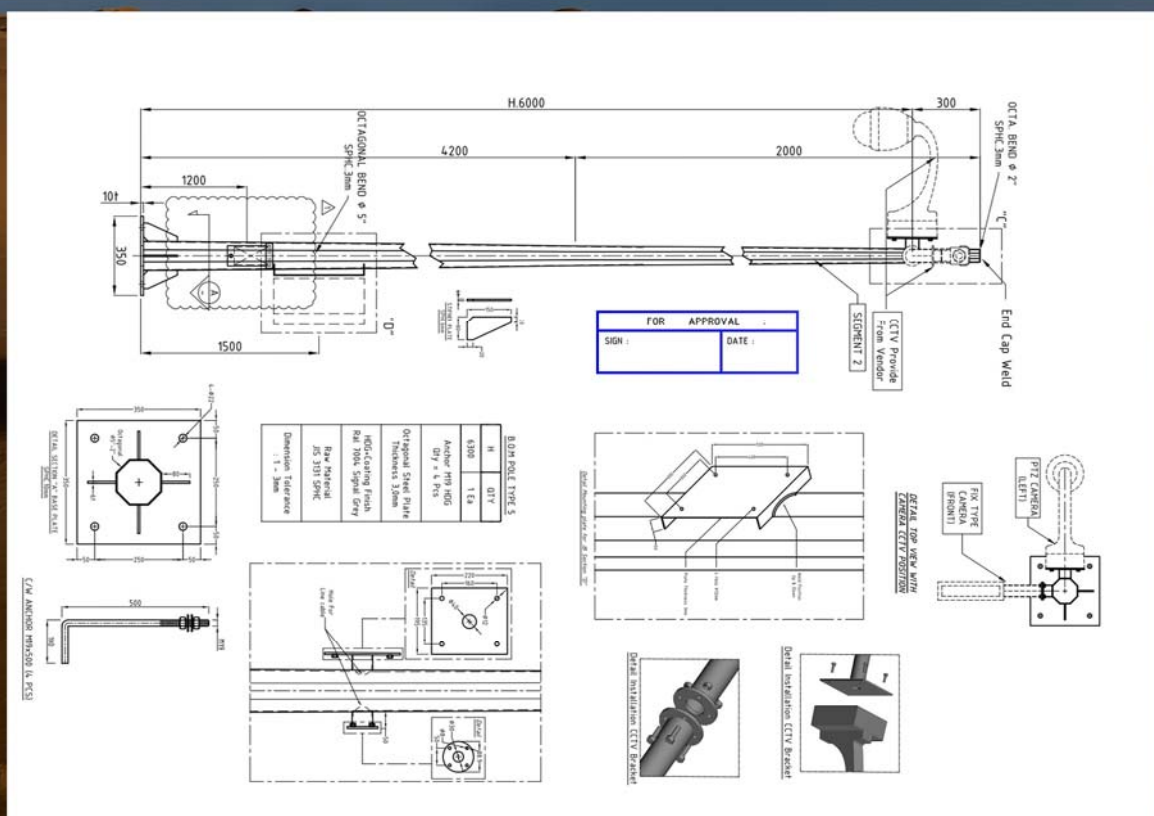
Pole CCTV Fixed Type & Ptz Camera



PT. Baruna Trayindo Jaya



Pole Type 04 CCTV 6 Meter



Pole Type 05 CCTV 6 Meter



Lighting Pole Result

PT. Baruna Trayindo Jaya

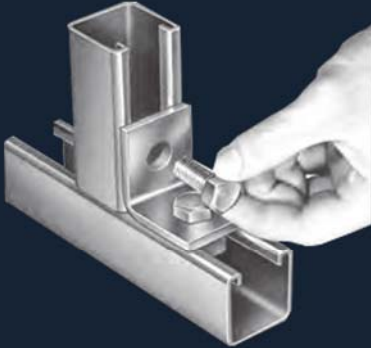


Image Street Lighting Pole (PJU) Single & Double

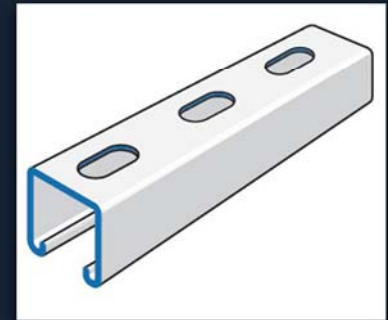
Strut System



PT. Baruna Trayindo Jaya



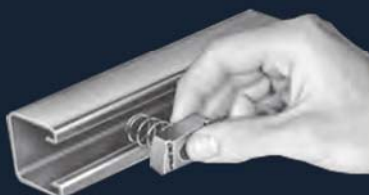
Strut Size 41x41 Thickness 2,5mm



Strut with Perforated P1000T Thk 2,5mm



Strut Combination Size : Varies Thk 2,5mm



Spring Nut

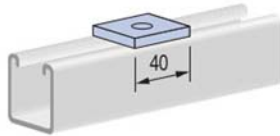


Accessories Strut System

PT. Baruna Trayindo Jaya

P1062 - P1964

Part No.	Bolt Size	Hole Size	Mass kg/100
P1062	8	9	5.9
P1063	10	12	5.7
P1064	12	14	5.5
P1964	16	18	5.4



P1065

Mass: 13.4kg/100



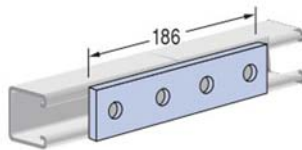
P1066

Mass: 20kg/100



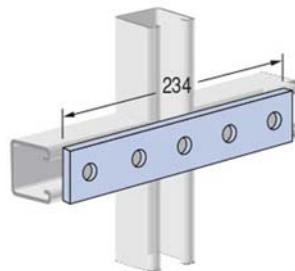
P1067

Mass: 26.7kg/100



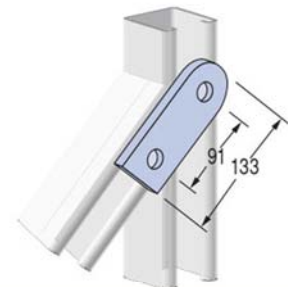
P1941

Mass: 34.2kg/100



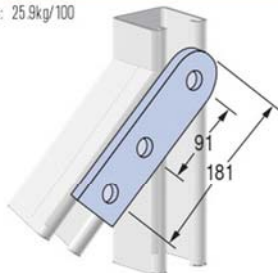
P2325

Mass: 19.2kg/100



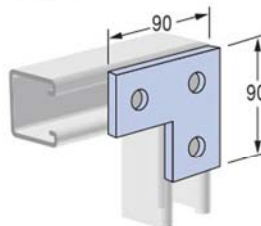
P2324

Mass: 25.9kg/100



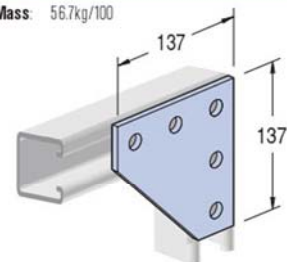
P1036

Mass: 20.9kg/100



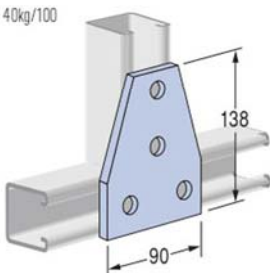
P1873

Mass: 56.7kg/100



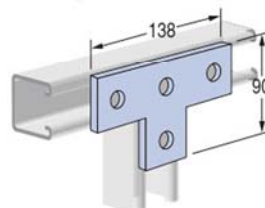
P1358

Mass: 40kg/100



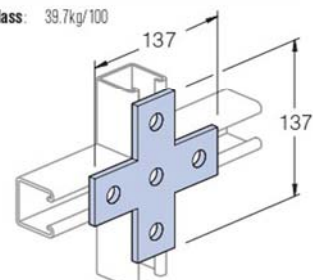
P1031

Mass: 29.2 kg/100



P1028

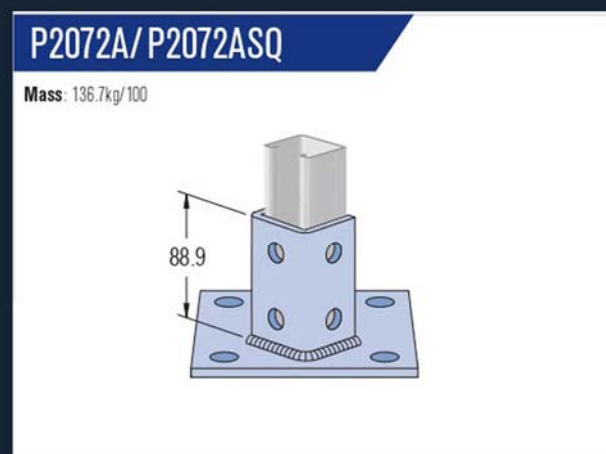
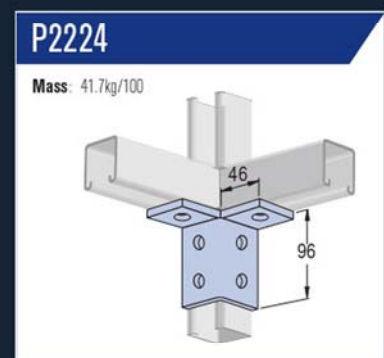
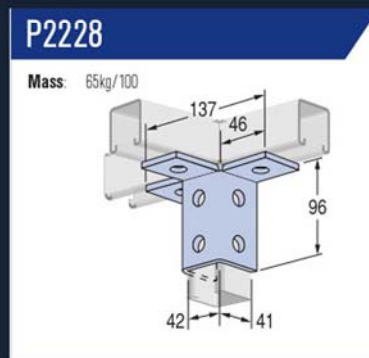
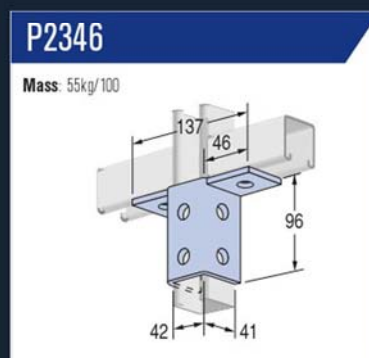
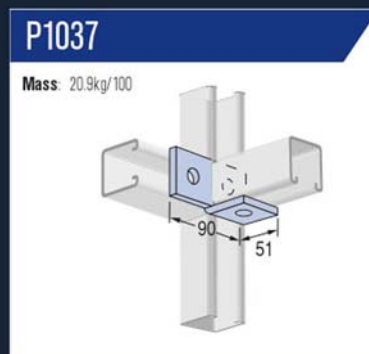
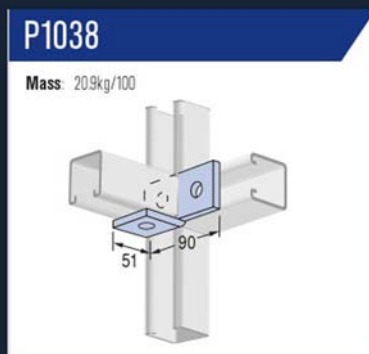
Mass: 39.7kg/100



Accessories Strut System



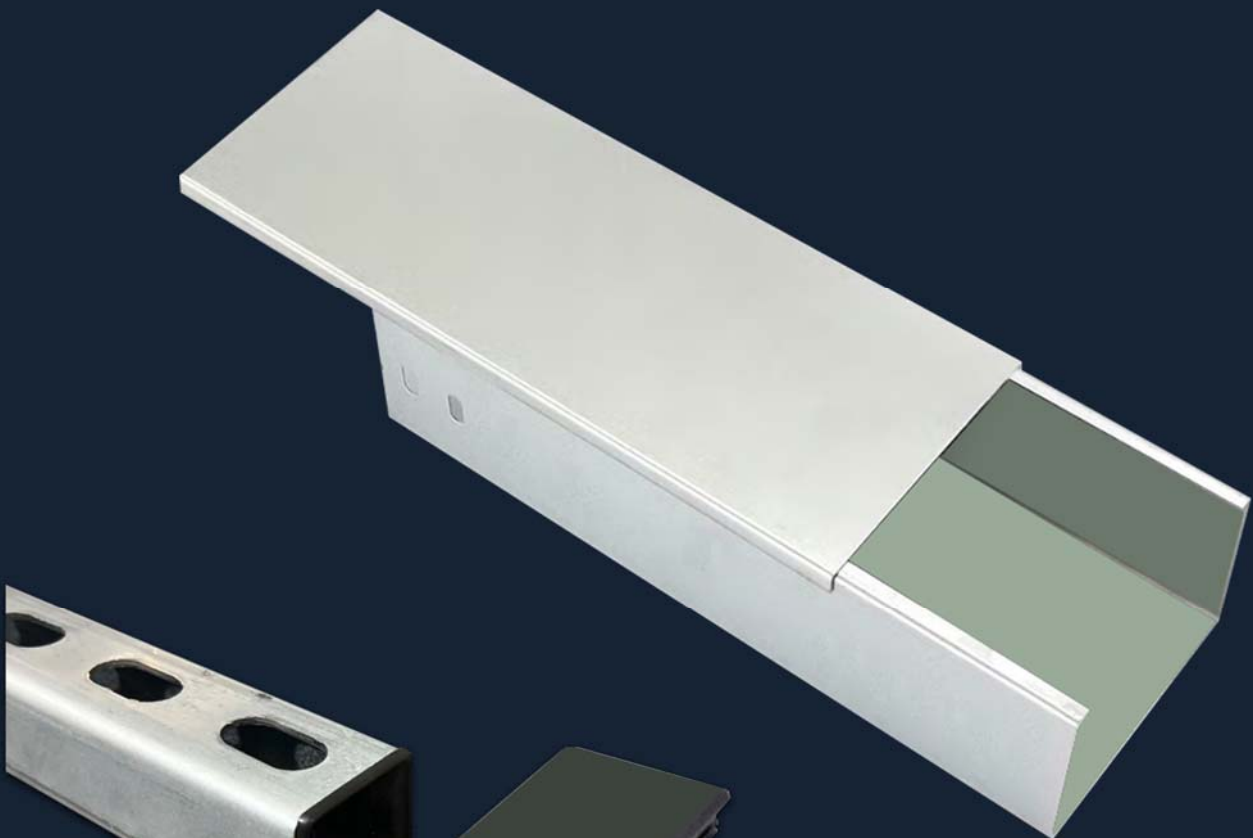
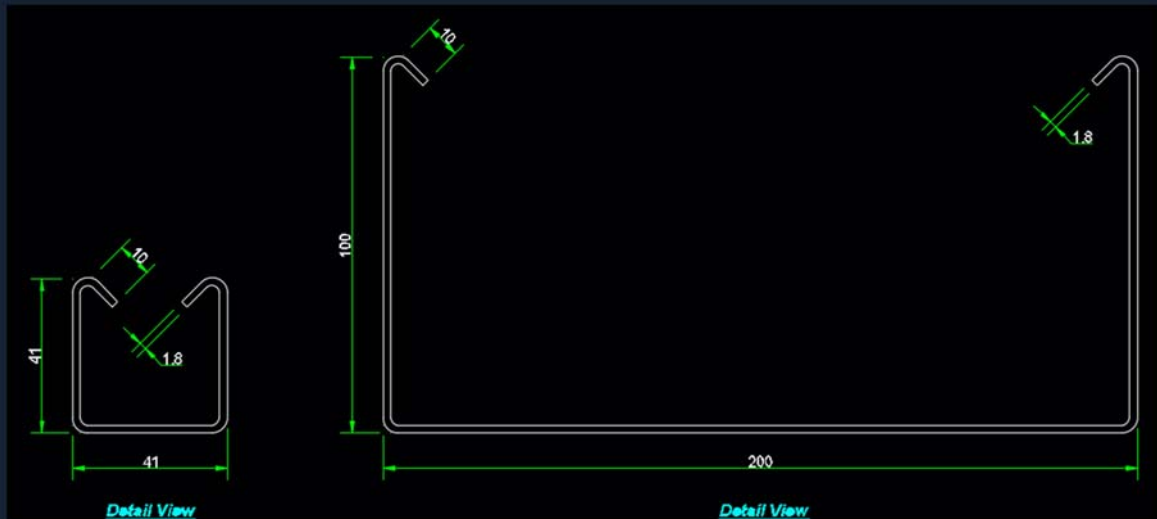
PT. Baruna Trayindo Jaya





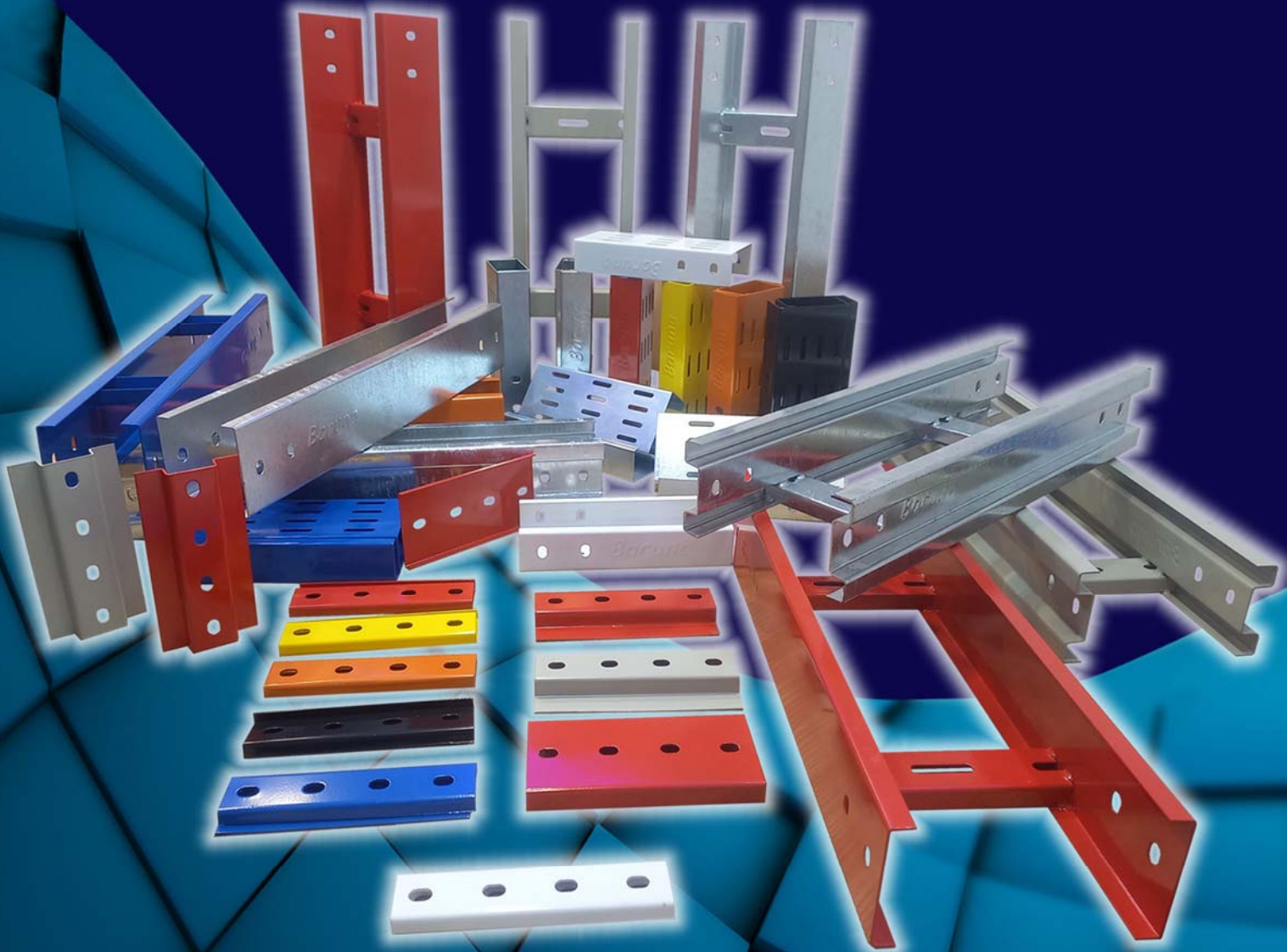
Cable Raceway -Type

PT. Baruna Trayindo Jaya



Cable Raceway

End Cap For Strut



PT. BARUNA TRAYINDO JAYA
Manufacture of Cable Tray & Cable Support System



PT. BARUNA TRAYINDO JAYA
Manufacture of Cable Tray & Cable Support System