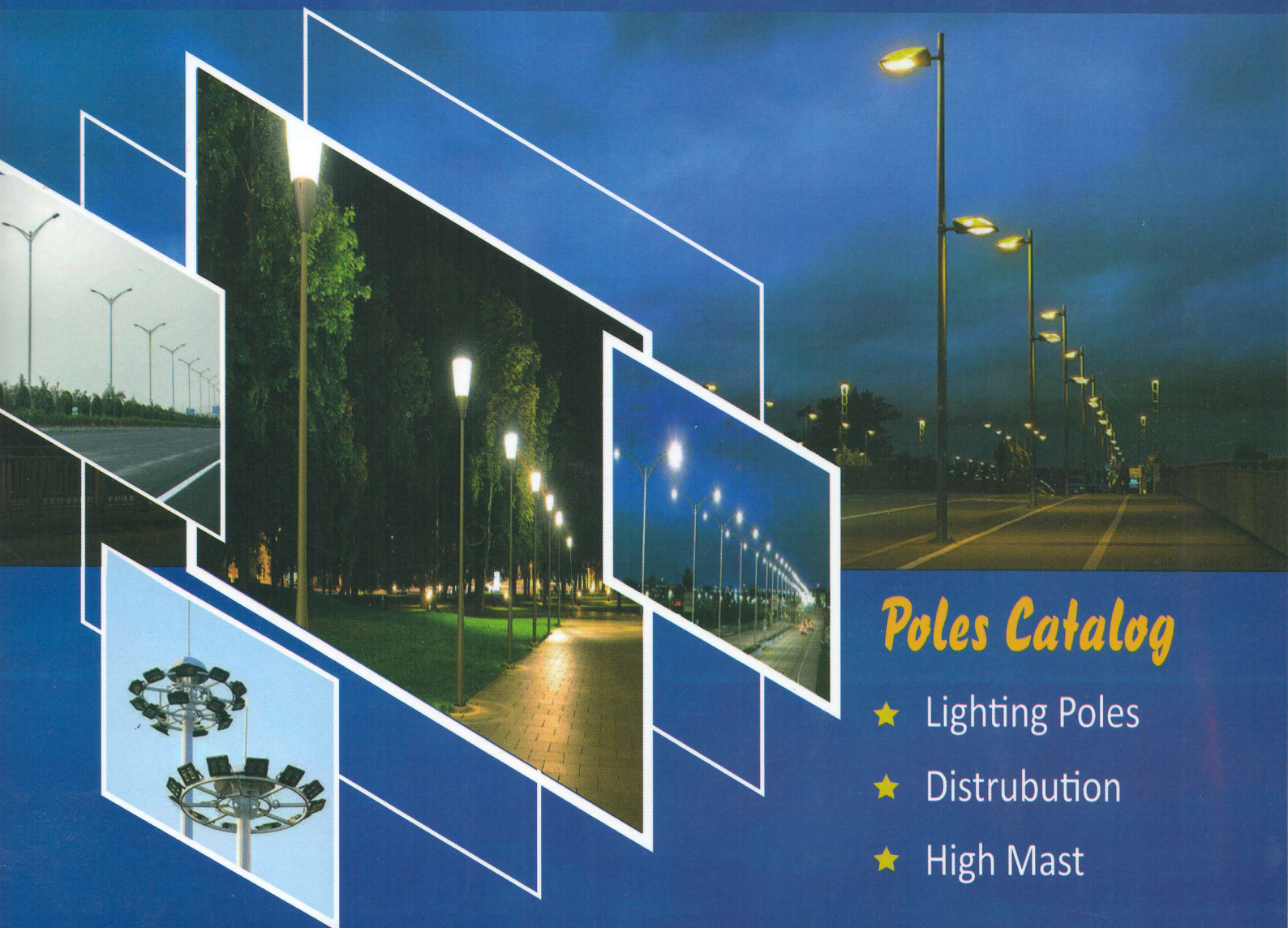




AL FAREED STARS FACTORY CO.

For Metal Industries & Lighting Poles



Poles Catalog

- ★ Lighting Poles
- ★ Distrubution
- ★ High Mast
- ★ Camera Poles
- ★ Flag Poles
- ★ Traffic Signal Poles



AL FAREED STARS FACTORY CO.



AL FAREED POLES

INTRODUCTION

Al Fareed Stars Factory is located in Modon Industrial Area, Al Kharj, Kingdom of Saudi Arabia was established in 2005 under the C.R. No. 1011138329.

Al Fareed Stars Factory is an ISO 9001 : 2015 certified company . Recently we have added a division for manufacturing of Steel and Lighting Poles.

Al Fareed Stars Factory is already an established company and committed to excellence in the fields of Cable Support System and Steel Boxes

Al Fareed Stars Factory is a high quality, cost effective volume producer of Steel lighting poles.

The company designs, manufactures and markets steel poles for use in highway and street lighting, traffic signals, overhead traffic signage, electrical distribution and transmission towers, wireless communication towers, high mast and sport lighting poles, transit poles, solar lighting poles.





VISION

Move ahead towards confirming our position as a market leader by offering competitive and professional lighting solutions. Innovative, energy-efficient, eco-friendly and reliable quality through well-engineered designs to serve to the best of our valued customers.

MISSION

To provide customers with quality and innovative products with flexible, smarter solutions that offers superior performance and greater value to satisfy our customer expectations.

Also to provide customers with the following :

- ❖ High Quality Poles
- ❖ On time delivery
- ❖ Best Price

VALUES

- ❖ Adherence to Quality
- ❖ Employee Equality
- ❖ Willingness to improve
- ❖ Socially responsible with local community and our supplier





OCTAGONAL POLES

Octagonal poles are produced from high grade hot rolled steel coils by an automated procedure of cutting and folding/pressing the trapezoidal sheet into octagonal shape and welding the sides longitudinally by submerged arc welding.

Manufacturing Process Includes the following :

- Cutting to Length
- Trapezoidal Cutting
- CNC Bending
- CNC Welding
- Straightening Poles
- Workshop Finishing
- Hot Dip Galvanizing (HDG)

Materials:

The Steel is generally used to manufacture Steel Poles in accordance with ASTM A36 or any equivalent specifications as below:

Grade	Unit	A36	A572
Yield Strength	MPA	250	355
Tensile Strength	MPA	400	510

Surface Protection:

The Steel Poles are protected against corrosion as listed below:

- Hot Dip Galvanization(HDG) carried out in accordance with ASTM 123)
- Painting Pole surface by anti rust material.

Poles Production Specifications:

DIMENSIONS	
Length	Upto 16 Mtr (for one Section)
Thickness	3 mm up to 8 mm
External Diameter	Min. at Top - 60 mm Max. at Base - On request

TOLERANCE	
On Length	+/- 25 mm
On Thickness	+/- 0.02 mm
On Circumference	+/- 1.05%
On Diameter	+/- 3% from the circumference
On Straightness	< 0.003



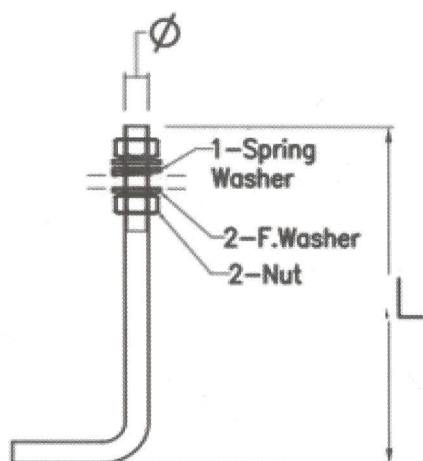
STANDARD OCTAGONAL POLES SPECIFICATIONS

Pole Height	Top Diameter	Base Diameter	Thickness	Door Size	Base Plate	Anchor Bolts (Dx L)
Mtr	mm	mm	mm	mm	mm	mm
3	60	102	3	300 x 80	250 x 10	18 x 400
4	60	156	3	300 x 80	250 x 10	18 x 400
5	60	156	3	400 x 80	350 x 10	24 x 500
6	60	156	3	400 x 100	350 x 10	24 x 500
7	60	190	3	400 x 100	400 x 15	24 x 500
8	60	190	4	400 x 140	400 x 15	24 x 500
9	60	190	4	400 x 140	400 x 15	24 x 500
10	100	210	4	400 x 140	400 x 15	27 x 700
12	100	250	4	400 x 140	400 x 20	27 x 700
14	110	285	4	500 x 140	500 x 20	27 x 900
15	120	300	4/5	500 x 150	550 x 25	30 x 1000
16	120	320	4/5	500 x 150	550 x 25	30 x 1000

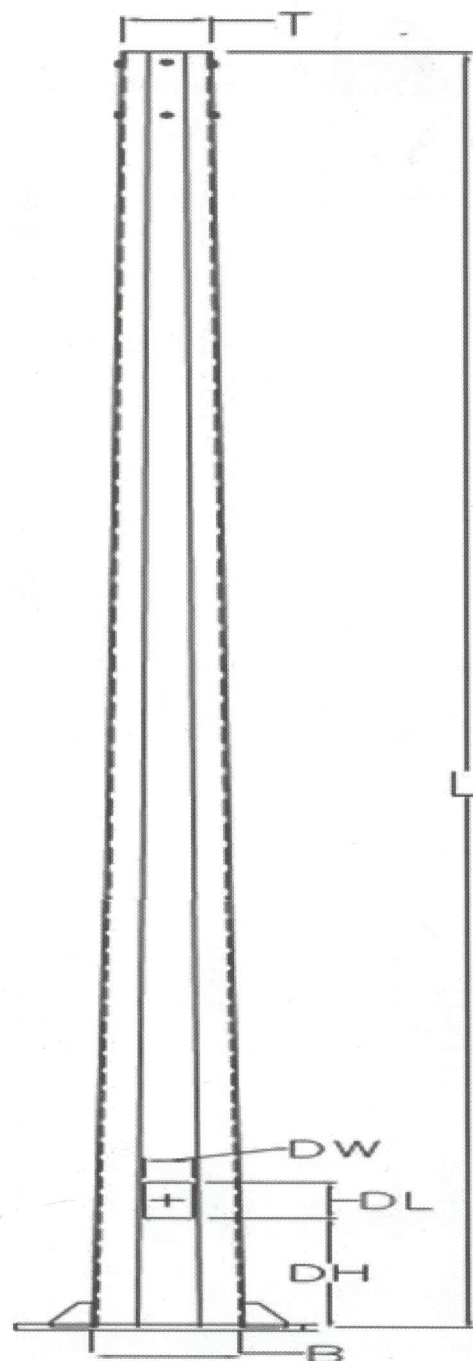
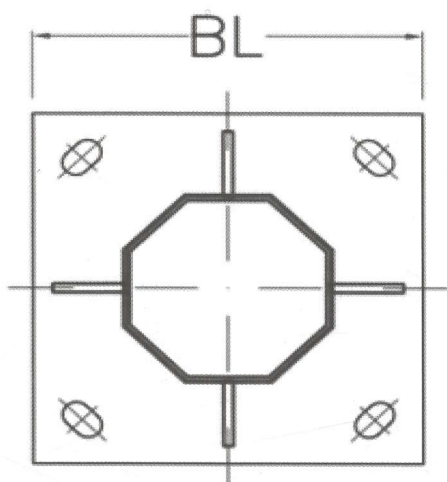




OCTAGONAL POLE DRAWING



Anchor Bolt





ROUND CONICAL POLES

Manufacturing Process Includes the following :

- Cutting to Length
- CNC Bending
- CNC Welding
- Straightening Poles
- Workshop Finishing
- Hot Dip Galvanizing (HDG)

Materials:

The Steel is generally used to manufacture Steel Poles in accordance with ASTM A36 or any equivalent specifications as below:

Grade	Unit	A36	A572
Yield Strength	MPA	250	355
Tensile Strength	MPA	400	510

Surface Protection:

The Steel Poles are protected against corrosion as listed below:

- Hot Dip Galvanization(HDG) carried out in accordance with ASTM 123)
- Painting Pole surface by anti rust material.

Poles Production Specifications:

DIMENSIONS	
Length	Upto 16 Mtr (for one Section)
Thickness	3 mm up to 8 mm
External Diameter	Min. at Top - 60 mm

TOLERANCE	
On Length	+/- 25 mm
On Thickness	+/- 0.02 mm
On Circumference	+/- 1.05%
On Diameter	+/- 3% from the circumference
On Straightness	< 0.003



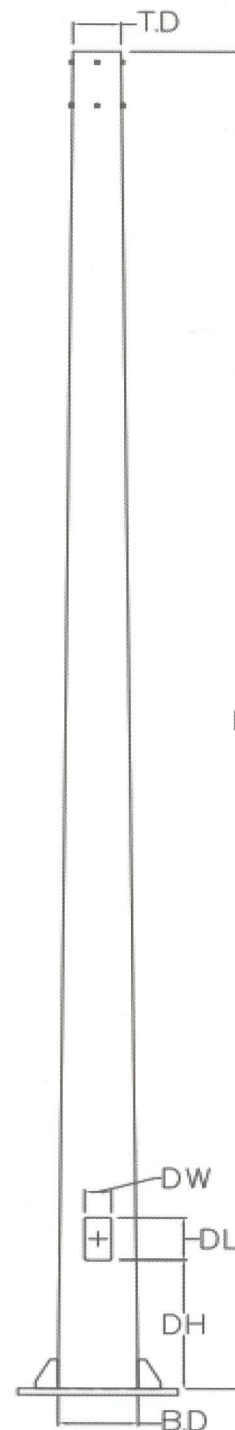
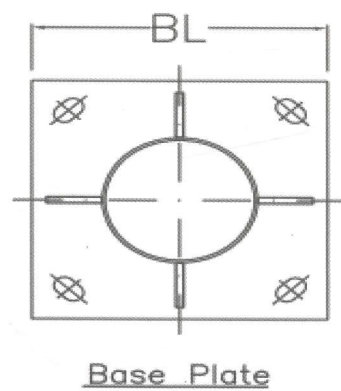
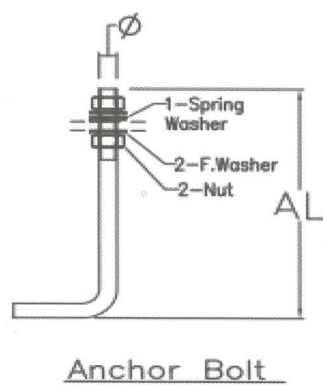
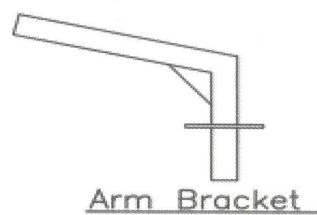
STANDARD CONICAL POLES SPECIFICATIONS

Pole Height	Top Diameter	Base Diameter	Thickness	Door Size	Base Plate	Anchor Bolts (Dx L)
Mtr	mm	mm	mm	mm	mm	mm
4	60	120	3	300 x 80	250 x 10	18 x 400
5	60	120	3	300 x 80	350 x 10	24 x 500
6	60	130	3	400 x 100	350 x 10	24 x 500
7	60	140	3	400 x 140	400 x 15	24 x 500
8	75	170	4	400 x 140	400 x 15	24 x 500
9	75	180	4	400 x 140	400 x 15	24 x 500
10	75	190	4	400 x 140	400 x 15	27 x 700
12	75	210	4	400 x 140	400 x 20	27 x 700
14	80	250	4	500 x 140	500 x 20	27 x 900
15	80	250	4/5	500 x 150	550 x 25	30 x 1000
16	80	270	4/5	500 x 150	550 x 25	30 x 1000





CONICAL POLES DRAWING





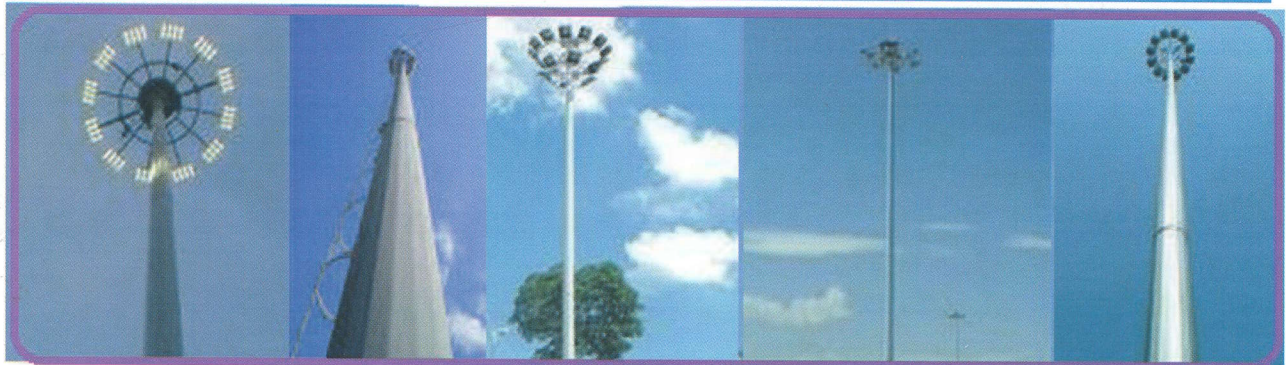
HIGH MAST (POLYGONAL) POLES

Highmasts are ideally suitable for the lighting of wide areas like sports ground, stadiums, highways, highway interchanges, Airports, Harbours, open parking areas etc.

Technical Data

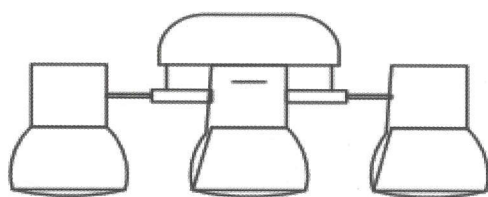
S.No.	Material	Standard/ Grade
1	Pole Shaft	EN - 10027S355JO or Equi. Min. Yeild Strenth = 355 Mpa
2	Pole Cap	EN - 10027S355JO or Equi. Min. Yeild Strenth = 355 Mpa
3	Bearing Plate	EN - 10027S355JO or Equi. Min. Yeild Strenth = 250 Mpa
4	Nut, Bolts	DIN 267 Grade 4.6
5	Earthing Nuts	ASTM A307 or Equivalent
6	Galvanizing	ASTM A123/BS EN 1461 Min. Avg. Coating 0.06 mm (86 Mic)
7	Welding	As per AWS D1.1

Height	Height of Shaft	Top Dia A/F	Bottom Dia A/F	Thickness	Door	Base Plate	Anchor Bolts	R
Mtr	Mtr	mm	mm	mm	mm	mm	mm	
20	10.75	200	580	4	245x1240	800 x 25	12 Nos. 30 x 1000	2 Shaft 16 Sides
	10			5				
25	13	200	580	4	245x1240	800 x 30	12 Nos. 30 x 1000	2 Shaft 16 Sides
	12.75			5				
30	11.7	180	580	4	245x1240	800 x 30	16 Nos. 30 x 1000	3 Shaft 18 Sides
	10			5				
	10			6				
35	12.3	200	730	4	245x1240	930 x 35	18 Nos. 30 x 1000	3 Shaft 18 Sides
	12.2			5				
	12.2			6				

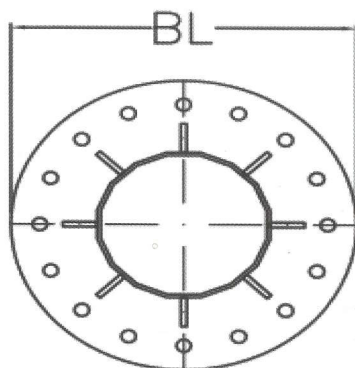




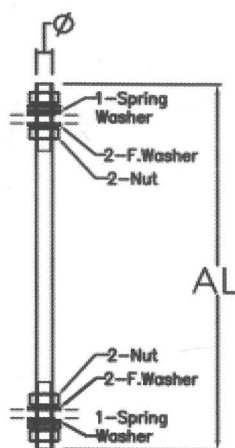
High Mast Pole Drawing



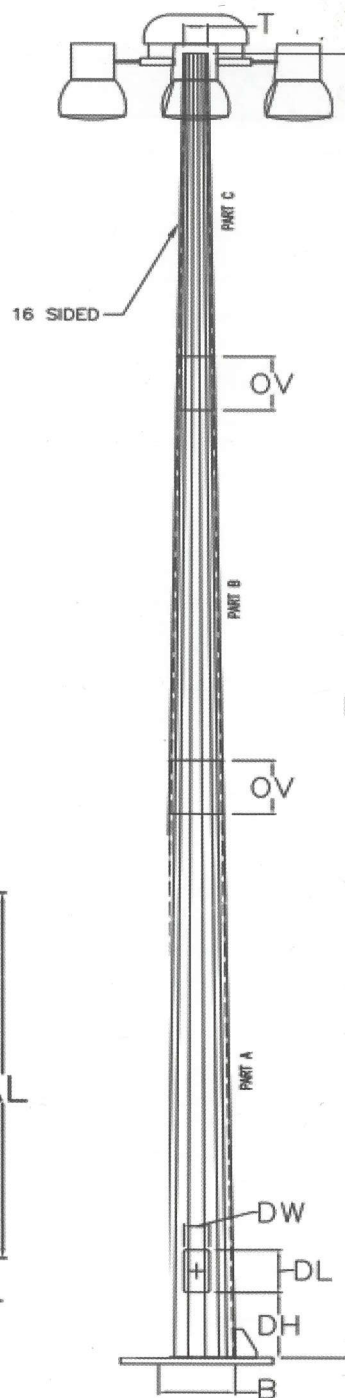
Power Tool



Base Plate



Anchor Bolt

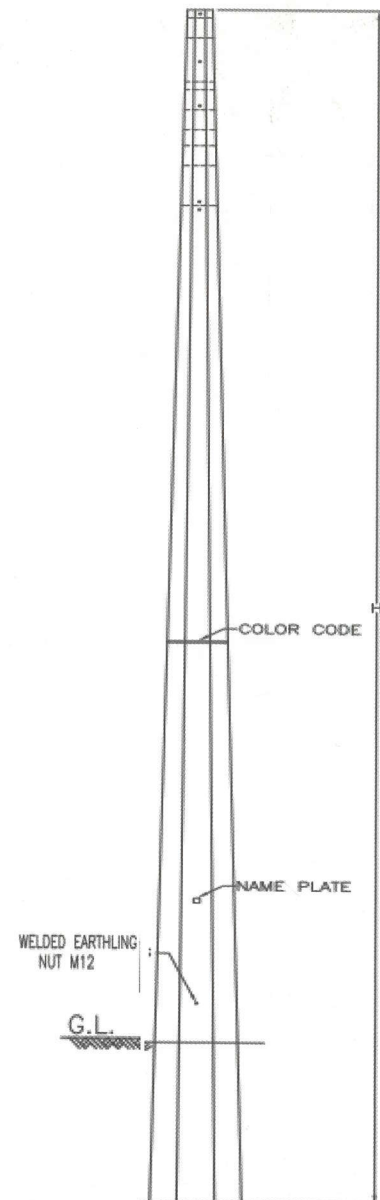




STANDARD DISTRIBUTION POLES

Grade	A575	Unit
Yield Strength	355	Mpa
Tensile Strength	490	Mpa
Max. Ultimate Strength	620	Mpa

Pole Type	Height	Top Dia	Base Dia	Thickness	Pole Weight	Ultimate Load	Submerged Depth
Mtr	Mtr	mm	mm	mm	Kg	Kg	mm
AF10	10	100	345	4	227	803	1500
AF13 S	13	155	410	4	377	1530	2000
AF14 S	14	155	430	4	420	1564	2000
AF14 D	14	155	600	4	544	2431	2000
AF15 S/D	15	155	450	4	466	1545	2000
AF10 SFS	10	230	590	5	527	4968	1500
AF13 SFS	13	230	750	7	1143	8781	2000
AF14 SFS	14	230	790	7	1282	8874	2000
AF15 SFS	15	230	830	7	1429	8898	2000





OCTAGONAL CAMERA POLES

Camera Poles can be designed and supplied as per client specifications and site requirements. Engineering Calculations can be provided when required.

Material Specifications :

1. Pole Shaft Confirming to DIN 17100 - ST44 - 2 or Equi.
2. Base Plate Confirming to DIN 17100 - ST44 - 2 or Equi.
3. Hot Dip Galvanizing As per BS EN ISO 1461.
4. Welding As per AWS D1.1

CAMERA POLE SPECIFICATIONS

Pole Type	Pole Height	Top Dia	Base Dia	Thickness	Door Size	Base Plate	Anchor Bolts
Octagonal	Mtr	mm	mm	mm	mm	mm	mm
OCP - 1	6	250	330	4	400 x 140	450 x 25	30 x 1000
OCP - 2	7	250	330	4	400 x 140	450 x 25	30 x 1000
OCP - 3	6	250	330	5	400 x 140	450 x 25	30 x 1000
OCP - 4	7	250	330	5	400 x 140	450 x 25	30 x 1000
OCP - 5	6	250	330	6	400 x 140	450 x 25	30 x 1000
OCP - 6	7	250	330	6	400 x 140	450 x 25	30 x 1000

CAMERA POLE "ARM" SPECIFICATIONS

Arm Type		Height	Top Dia	Base Dia	Thickness A	Thickness B	Thickness C	Base Plate
		Mtr	mm	mm	mm	mm	mm	mm
Single	Double	5	135	250	3	4	5	450 x 15
Single	Double	5.5	135	250	3	4	5	450 x 15
Single	Double	6	135	250	3	4	5	450 x 15
Single	Double	6.5	135	250	3	4	5	450 x 15
Single	Double	7	135	250	3	4	5	450 x 15
Single	Double	7.5	135	250	3	4	5	450 x 15
Single	Double	8	135	250	3	4	5	450 x 15
Single	Double	8.5	135	250	3	4	5	450 x 15
Single	Double	9	135	250	3	4	5	450 x 15
Single	Double	9.5	135	250	3	4	5	450 x 15
Single	Double	10	135	250	3	4	5	450 x 15



OCTAGONAL CAMERA POLES

Camera Poles can be designed and supplied as per client specifications and site requirements. Engineering Calculations can be provided when required.

Material Specifications :

1. Pole Shaft Confirming to DIN 17100 - ST44 - 2 or Equi.
2. Base Plate Confirming to DIN 17100 - ST44 - 2 or Equi.
3. Hot Dip Galvanizing As per BS EN ISO 1461.
4. Welding As per AWS D1.1

CAMERA POLE SPECIFICATIONS

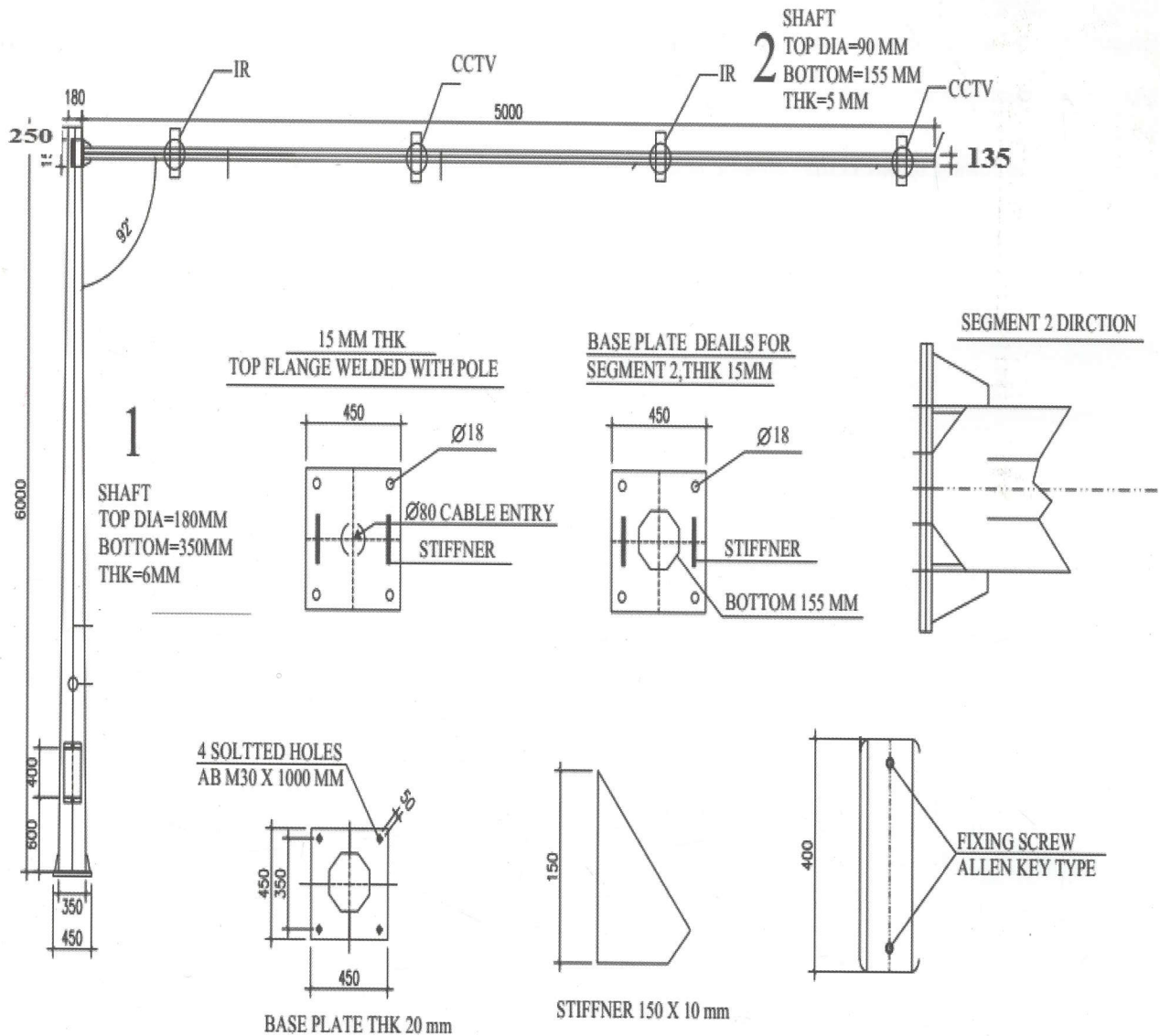
Pole Type	Pole Height	Top Dia	Base Dia	Thickness	Door Size	Base Plate	Anchor Bolts
Octagonal	Mtr	mm	mm	mm	mm	mm	mm
OCP - 1	6	250	330	4	400 x 140	450 x 25	30 x 1000
OCP - 2	7	250	330	4	400 x 140	450 x 25	30 x 1000
OCP - 3	6	250	330	5	400 x 140	450 x 25	30 x 1000
OCP - 4	7	250	330	5	400 x 140	450 x 25	30 x 1000
OCP - 5	6	250	330	6	400 x 140	450 x 25	30 x 1000
OCP - 6	7	250	330	6	400 x 140	450 x 25	30 x 1000

CAMERA POLE "ARM" SPECIFICATIONS

Arm Type		Height	Top Dia	Base Dia	Thickness A	Thickness B	Thickness C	Base Plate
		Mtr	mm	mm	mm	mm	mm	mm
Single	Double	5	135	250	3	4	5	450 x 15
Single	Double	5.5	135	250	3	4	5	450 x 15
Single	Double	6	135	250	3	4	5	450 x 15
Single	Double	6.5	135	250	3	4	5	450 x 15
Single	Double	7	135	250	3	4	5	450 x 15
Single	Double	7.5	135	250	3	4	5	450 x 15
Single	Double	8	135	250	3	4	5	450 x 15
Single	Double	8.5	135	250	3	4	5	450 x 15
Single	Double	9	135	250	3	4	5	450 x 15
Single	Double	9.5	135	250	3	4	5	450 x 15
Single	Double	10	135	250	3	4	5	450 x 15



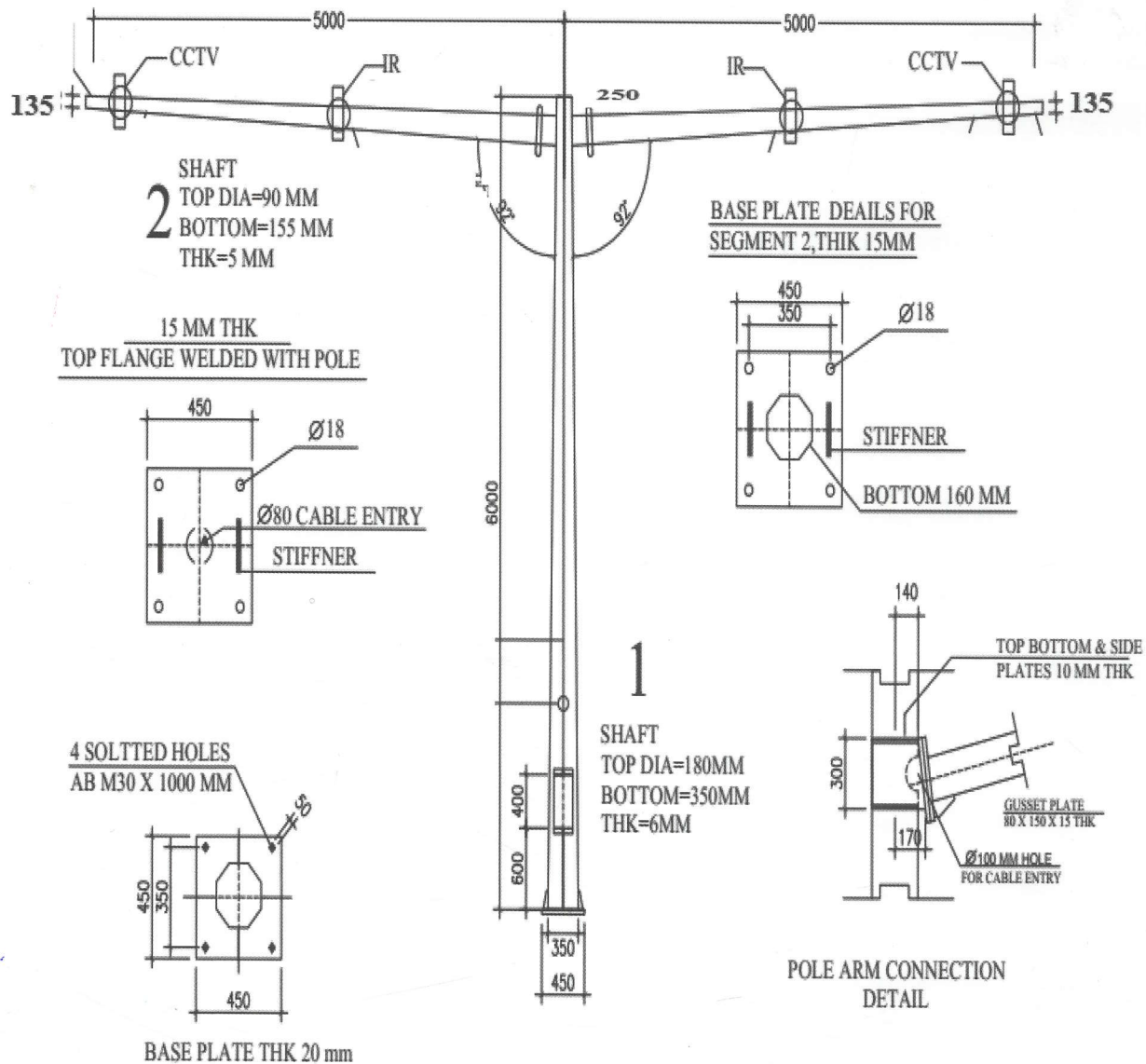
Camera Pole Drawing With Single Arm ("L")



5M CCTV CAMERA POLE -L-TYPE



Camera Pole Drawing With Double Arm ("T")





FLAG POLES

Any pole in Al Fareed Stars Factory can be used for the Flagpole. The Flagpole suits for heights up to 16m, where the poles with heights above 15 meters are produced in two or more sections and are assembled by overlapping slip joints. They are generally supplied with hot dip galvanization or painted externally, as per the customer request.

Flag pole Specifications :

1. Flag Poles are equipped with pulley for rope
2. Flag Pole with brass ball form 80 mm- 150 mm
3. Anchor bolt type (L) with 2 washers & Nut
4. Stainless Steel, Galvanized or Painted as per customer requirement

Pole Height	Top Dia	Base Dia	Thickness	Base Plate	Anchor Bolt D x L
Mtr	mm	mm	mm	mm	mm
3	60	102	3	250 x 10	18 x 400
4	60	156	3	350 x 10	18 x 400
5	60	156	3	350 x 10	24 x 500
6	60	156	3	400 x 15	24 x 500
7	60	190	3	400 x 15	24 x 500
8	60	190	4	400 x 15	24 x 500
9	60	190	4	400 x 15	27 x 700
10	100	210	4	400 x 15	27 x 700
12	100	250	4	400 x 20	27 x 700
14	110	285	4	500 x 20	27 x 900
15	120	300	4/5	550 x 25	30 x 1000
16	120	320	4/5	550 x 25	30 x 1000

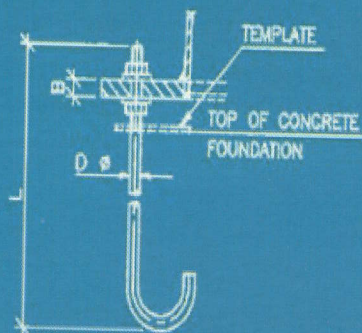
AL FAREED STARS FACTORY CO.



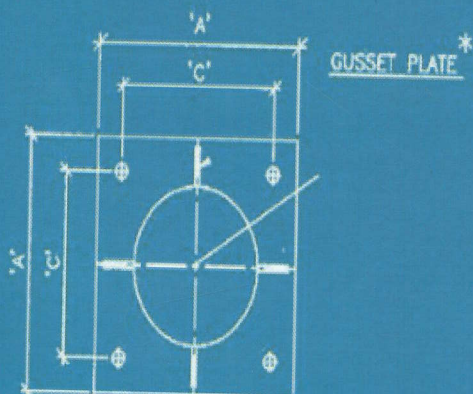


FLAG POLES DRG.

FLAG POLE DRG.



Anchor Bolt "J" Type



BASE PLATE FOR ABOVE 12 "Mtr"

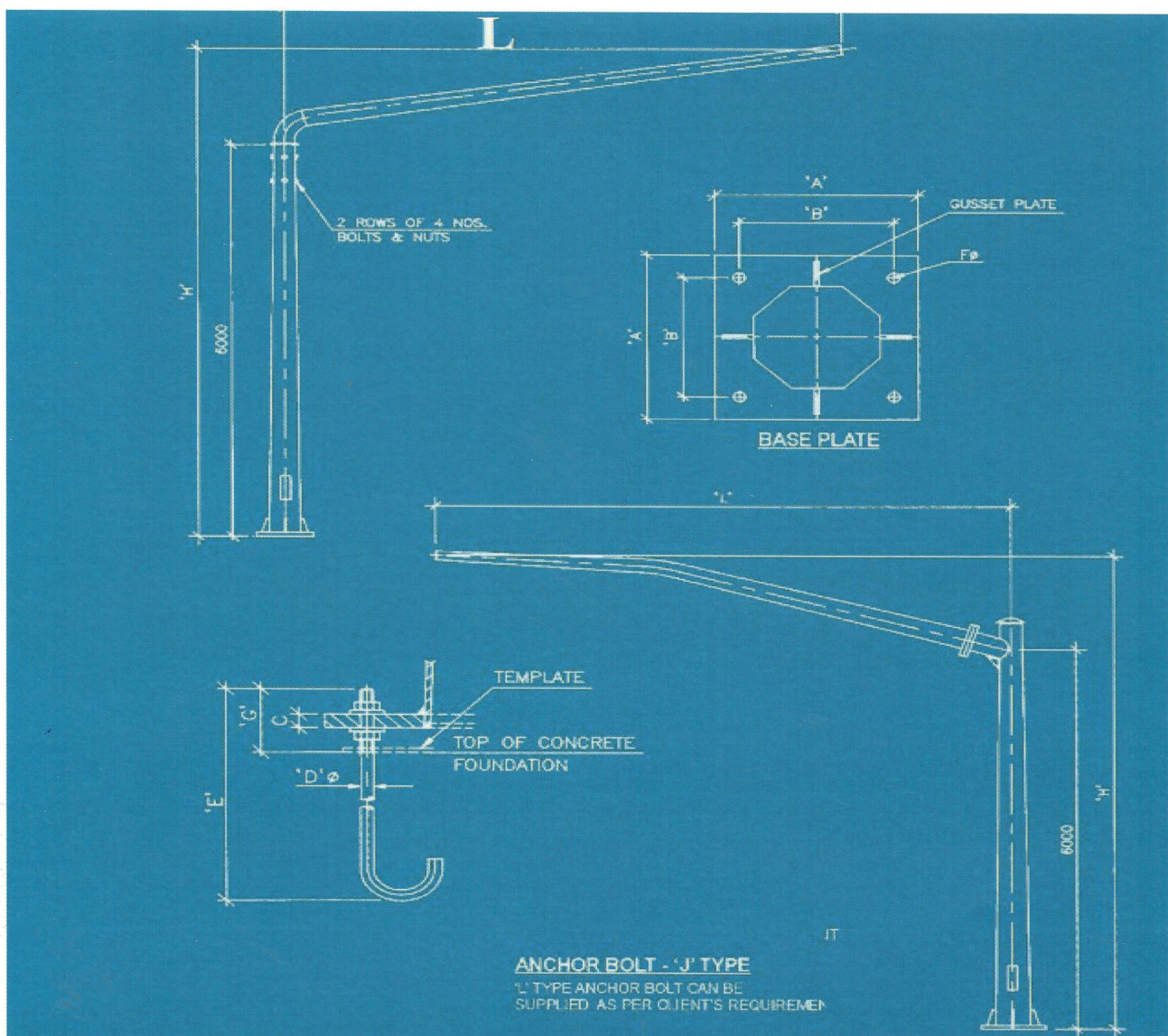




TRAFFIC SIGNAL POLES

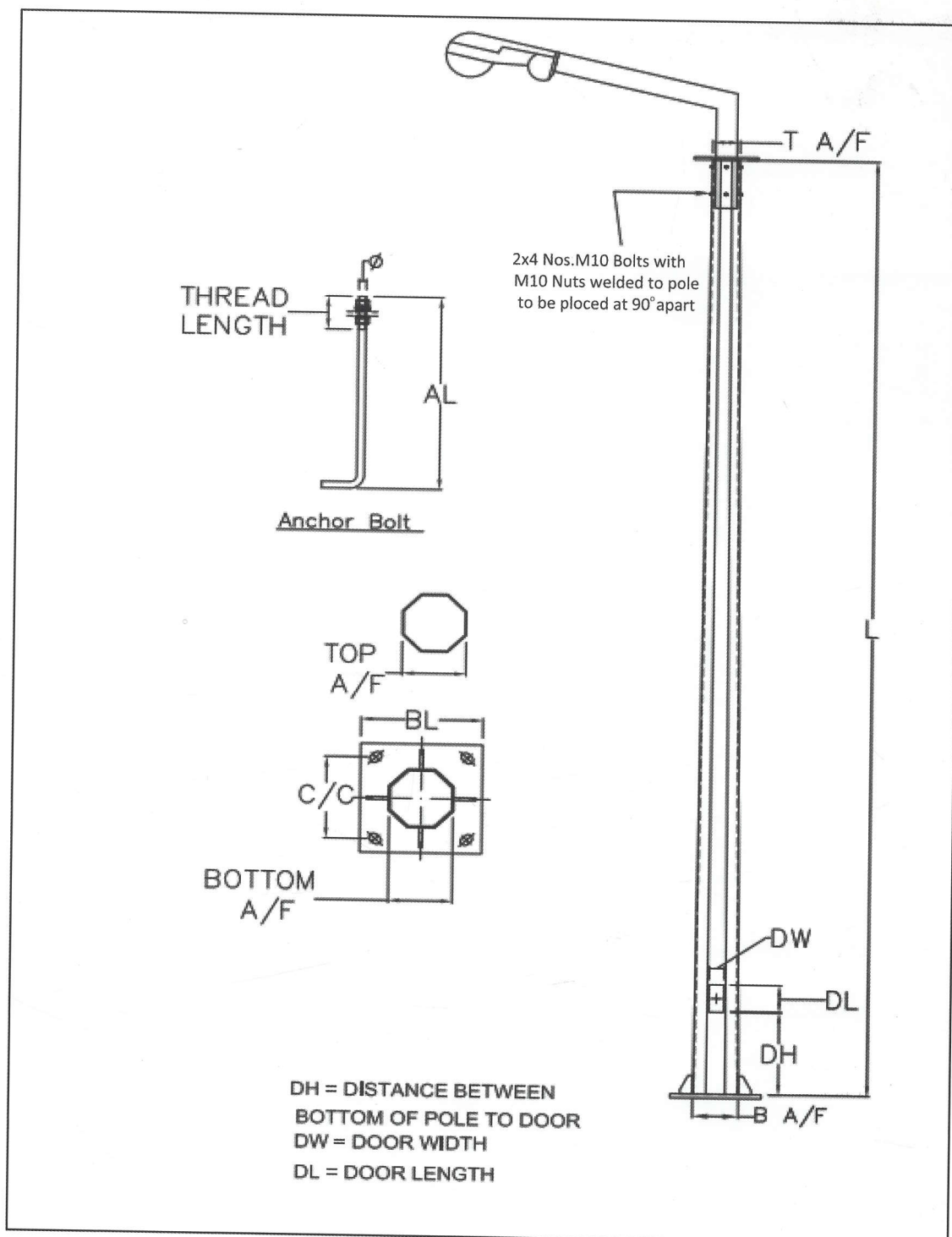
Traffic Signal Poles are designed and fabricated for the purpose of smooth movement of the vehicles as per customer requirement. It is designed to suit a variety of instalment method of light holders at different heights and ensures the structural rigidity of the poles are maintained.

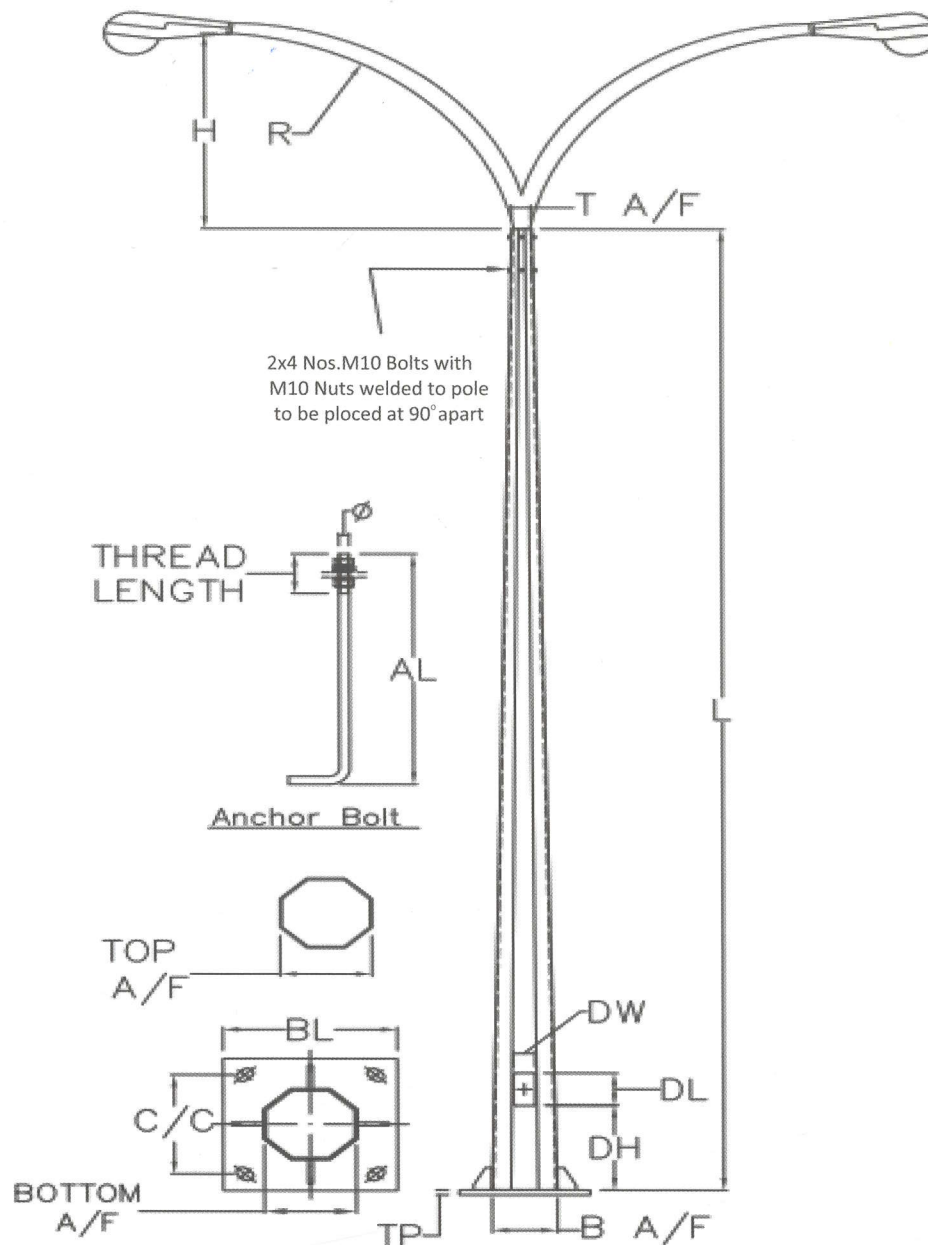
These Poles are supplied either after hot dip galvanization as per BS EN ISO 1461 or ASTM A123 or painted externally, if required by the customer.



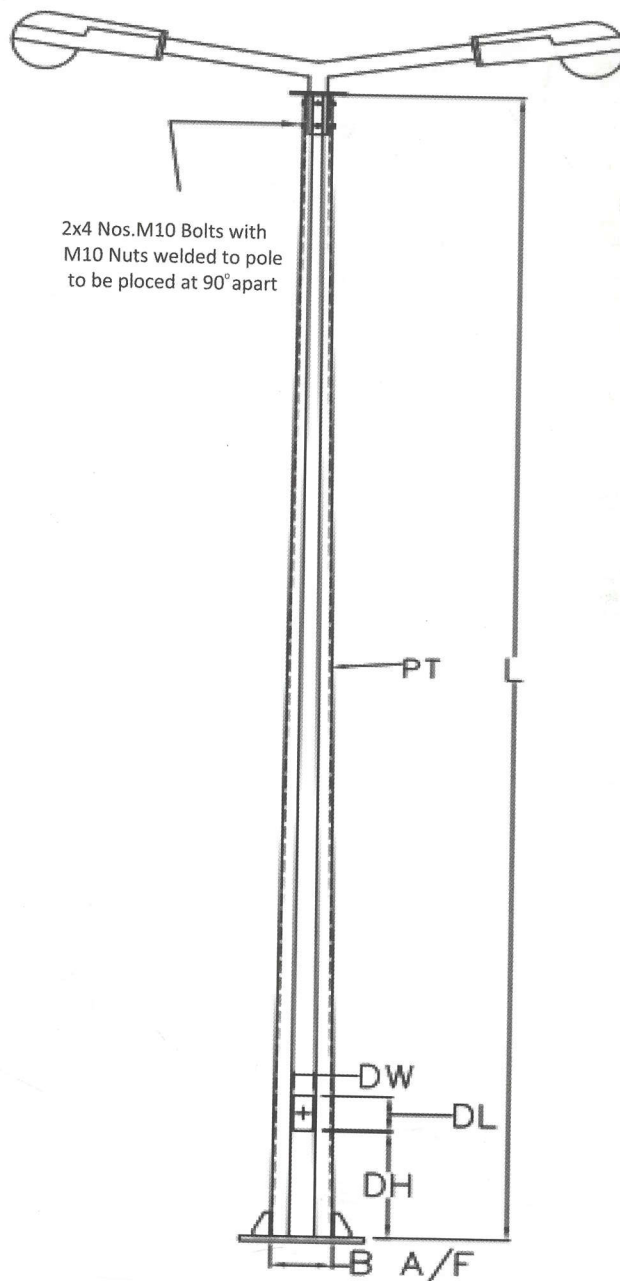
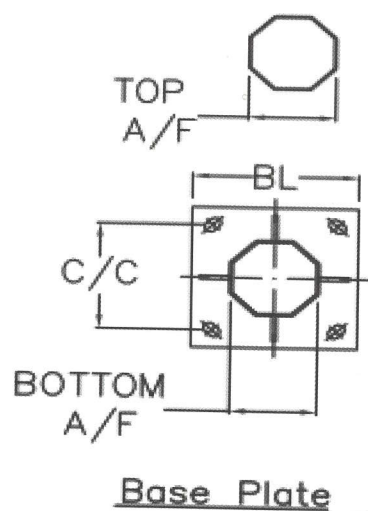
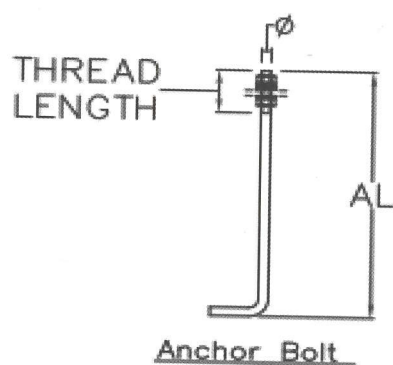


MORE POLE DRAWINGS





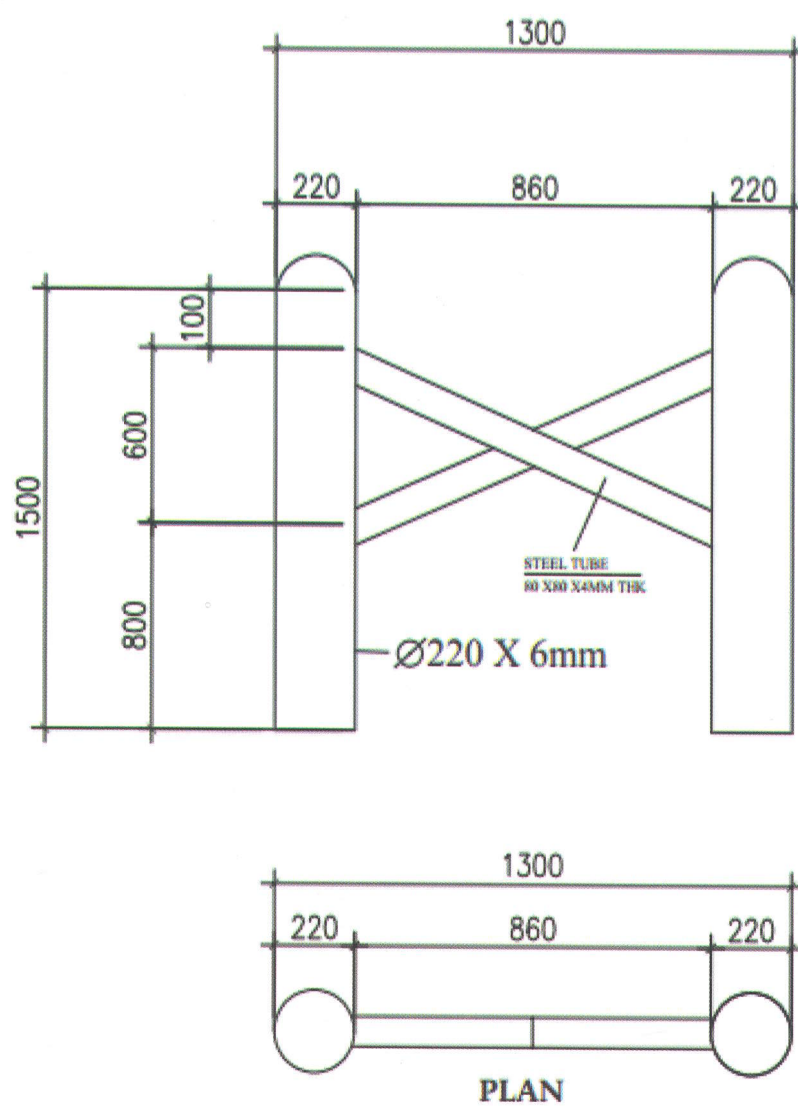
R = RADIUS OF CROSS ARM BRACKETS
H = HEIGHT OF CROSS ARM BRACKETS
OV = OVERLAP



L = POLE LENGTH HEIGHT
 T A/F = TOP A/F
 B A/F = BOTTOM A/F
 PT = POLE THICKNESS



SAFEY POST



لَا إِلَهَ إِلَّا اللَّهُ مُحَمَّدٌ رَسُوْلُهُ



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