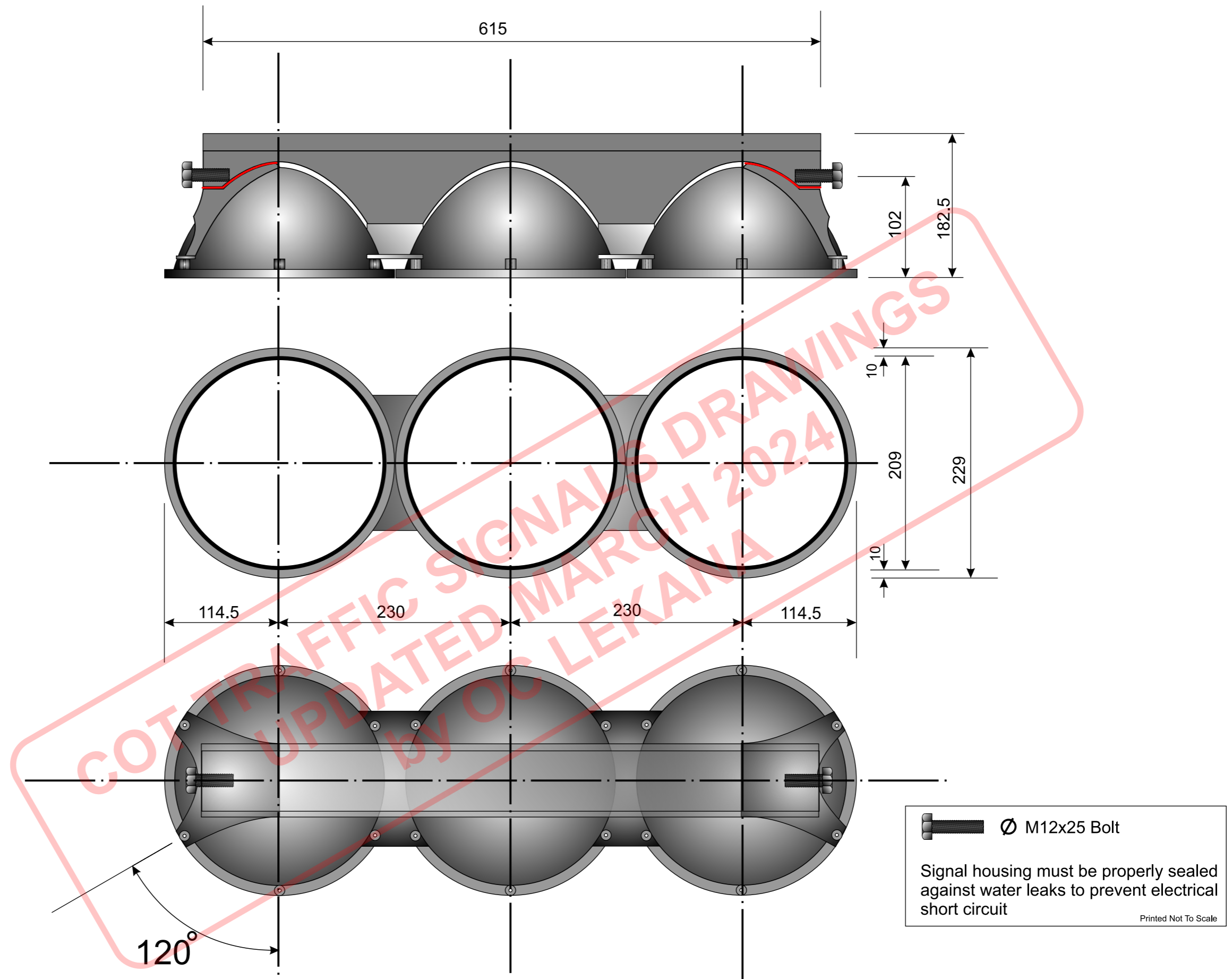
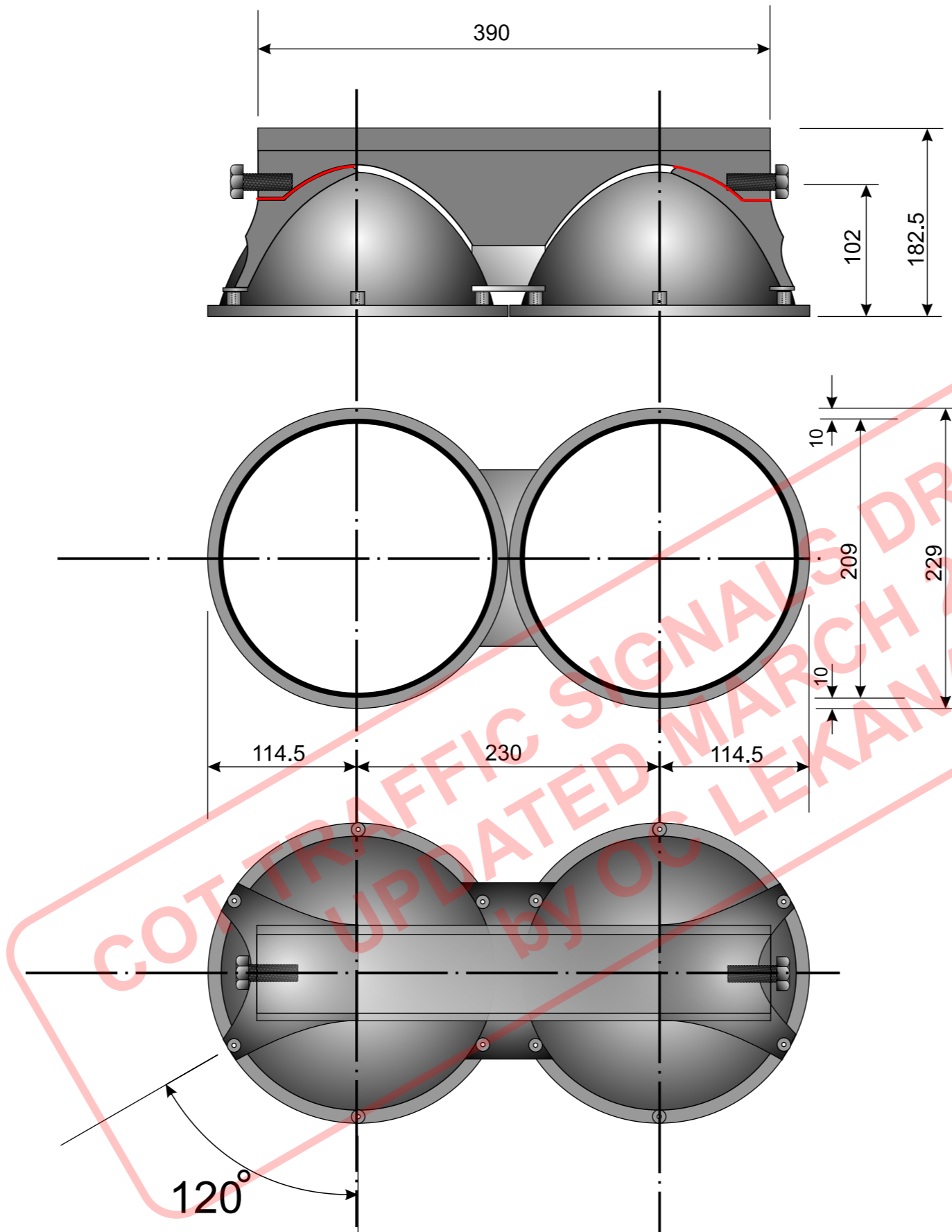


S1		
S1R		
S1L		
S2		
S3		
S4		
S5		
S6		
S7		
S8		
S9		
Traffic Controller		


S10R		
S10L		
S11		
S12		
S13		
S14		
S15		
Pedestrian Signal With Push Button		
S16		
S16		
TCAM	Traffic Detector Camera	
Camera Connector Box		



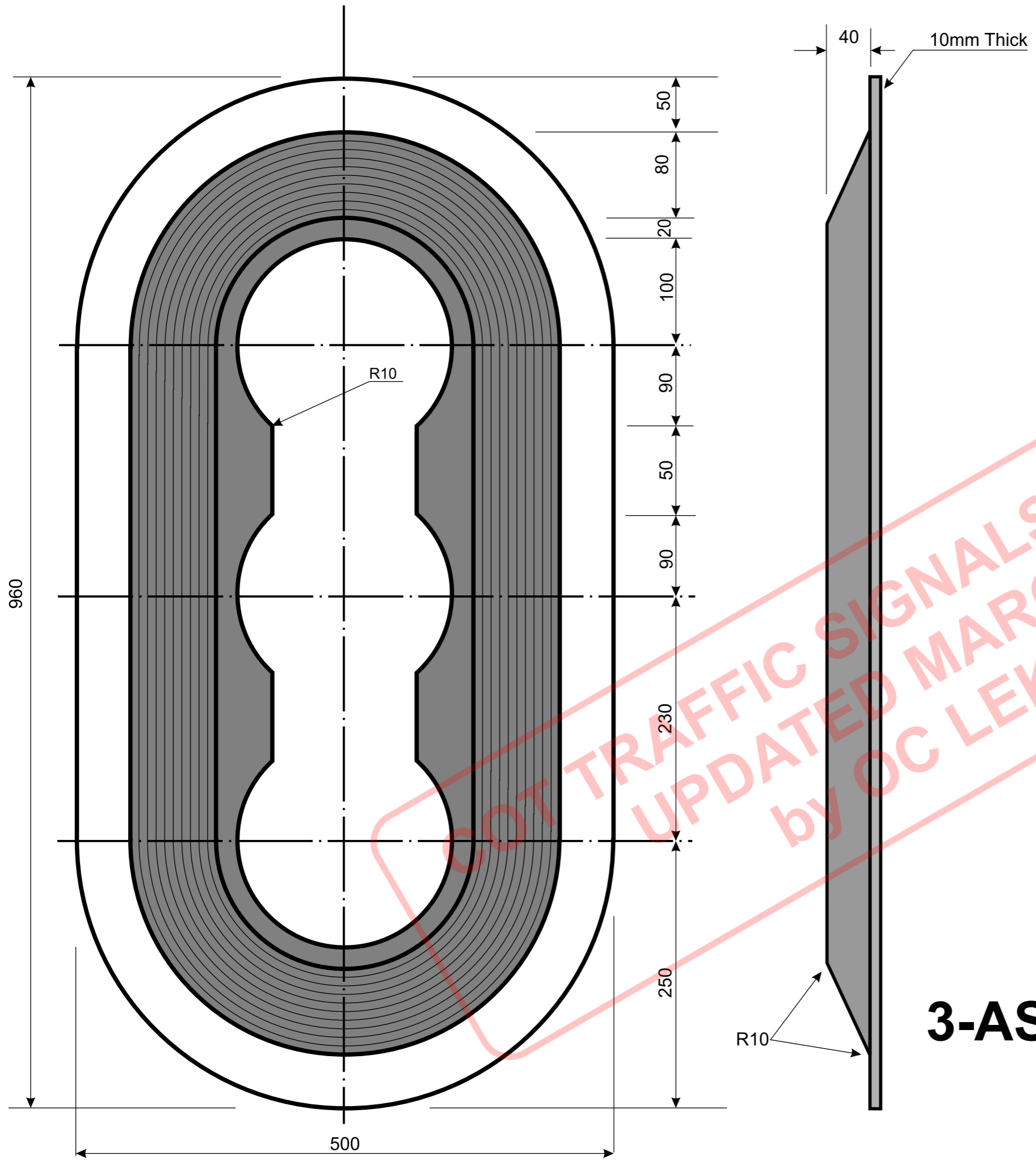
3-ASPECT TRAFFIC SIGNAL HEAD



COT TRAFFIC SIGNALS DRAWINGS
 UPDATED MARCH 2024
 by OJ LEKANA

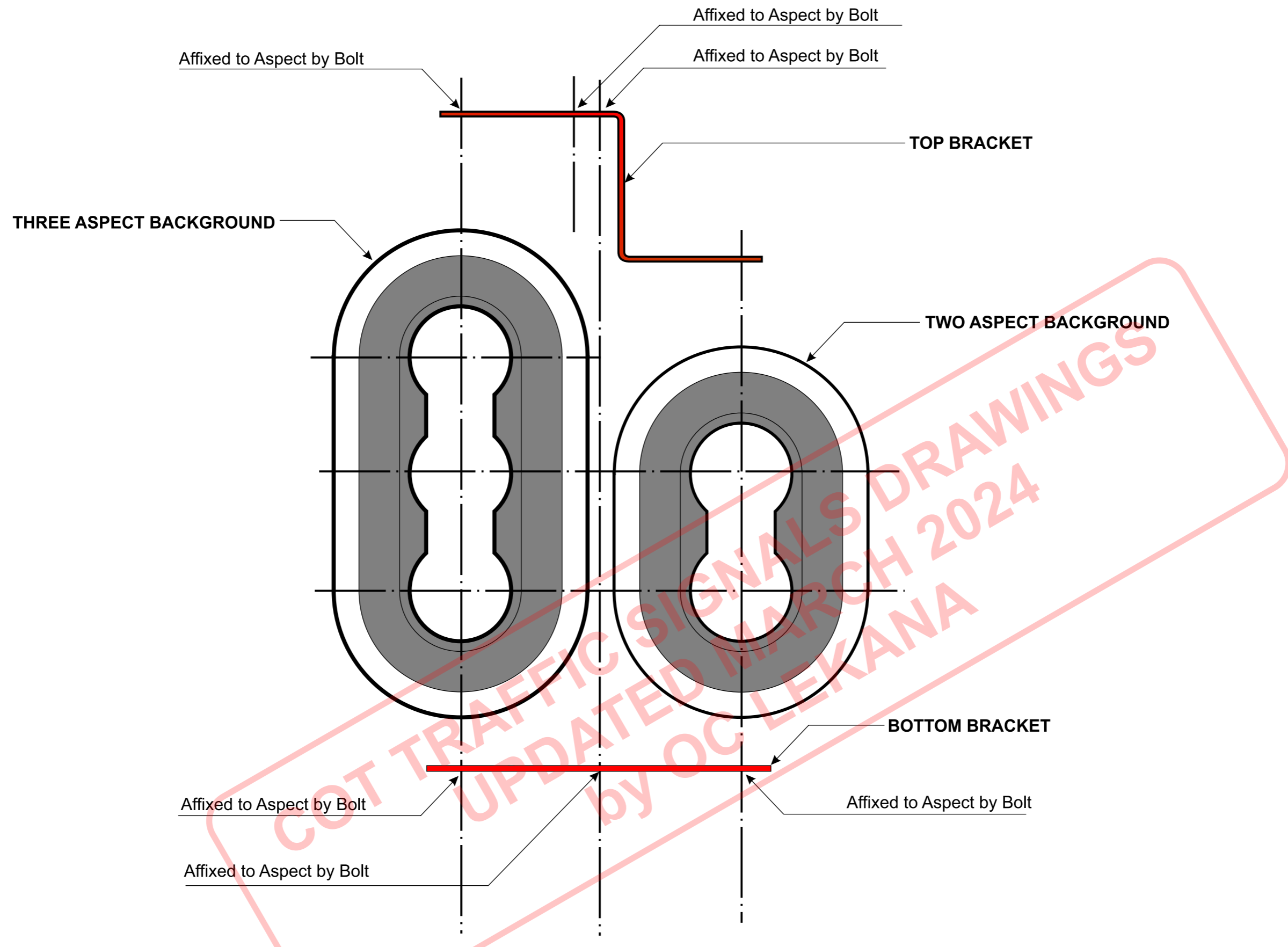
 \varnothing M12x25 Bolt
 Signal housing must be properly sealed against water leaks to prevent electrical short circuit
Printed Not To Scale

2-ASPECT TRAFFIC SIGNAL HEAD

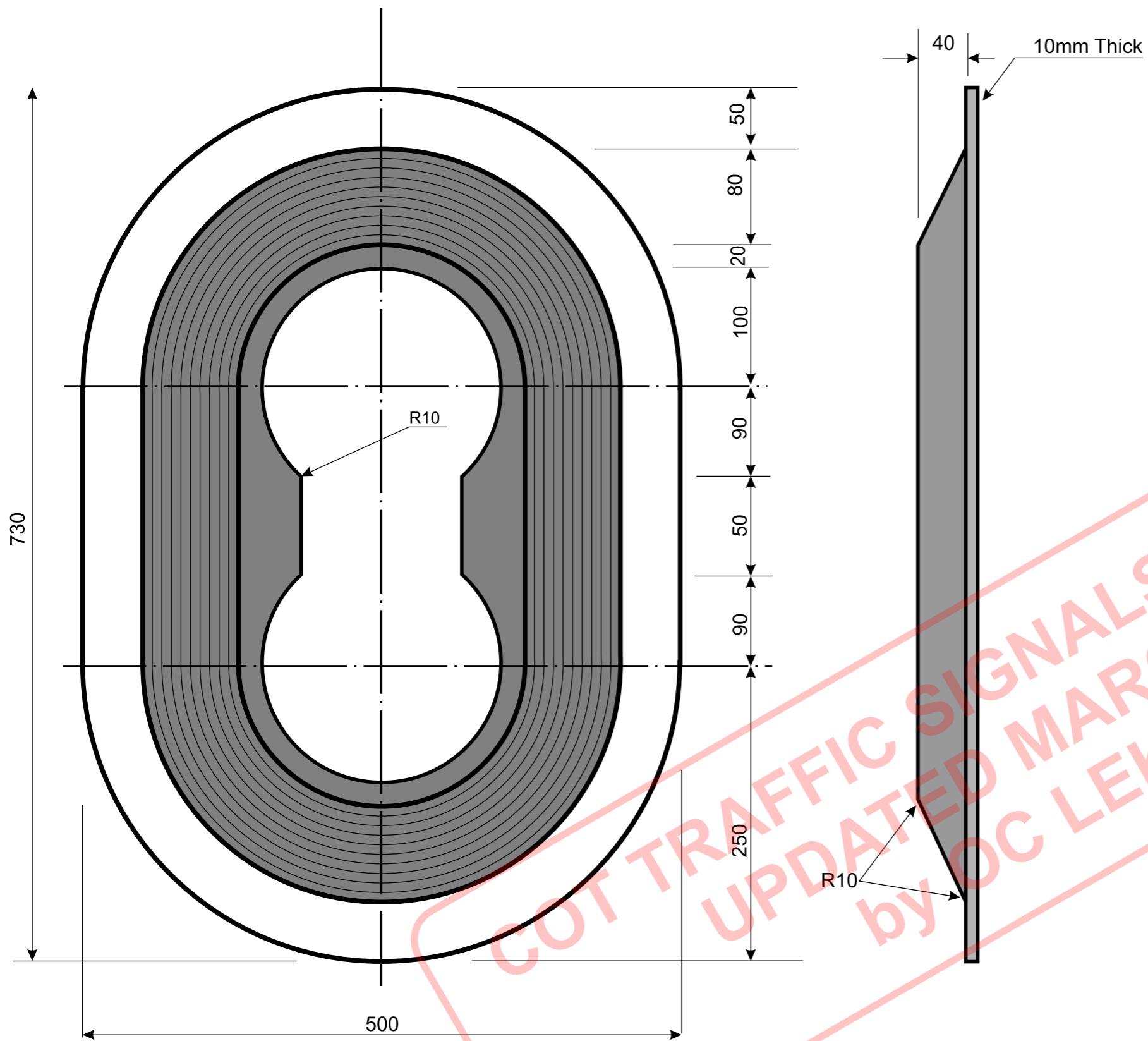


NOT TRAFFIC SIGNALS DRAWINGS
UPDATED MARCH 2024
by OC LEKANA

3-ASPECT BACKING BOARD

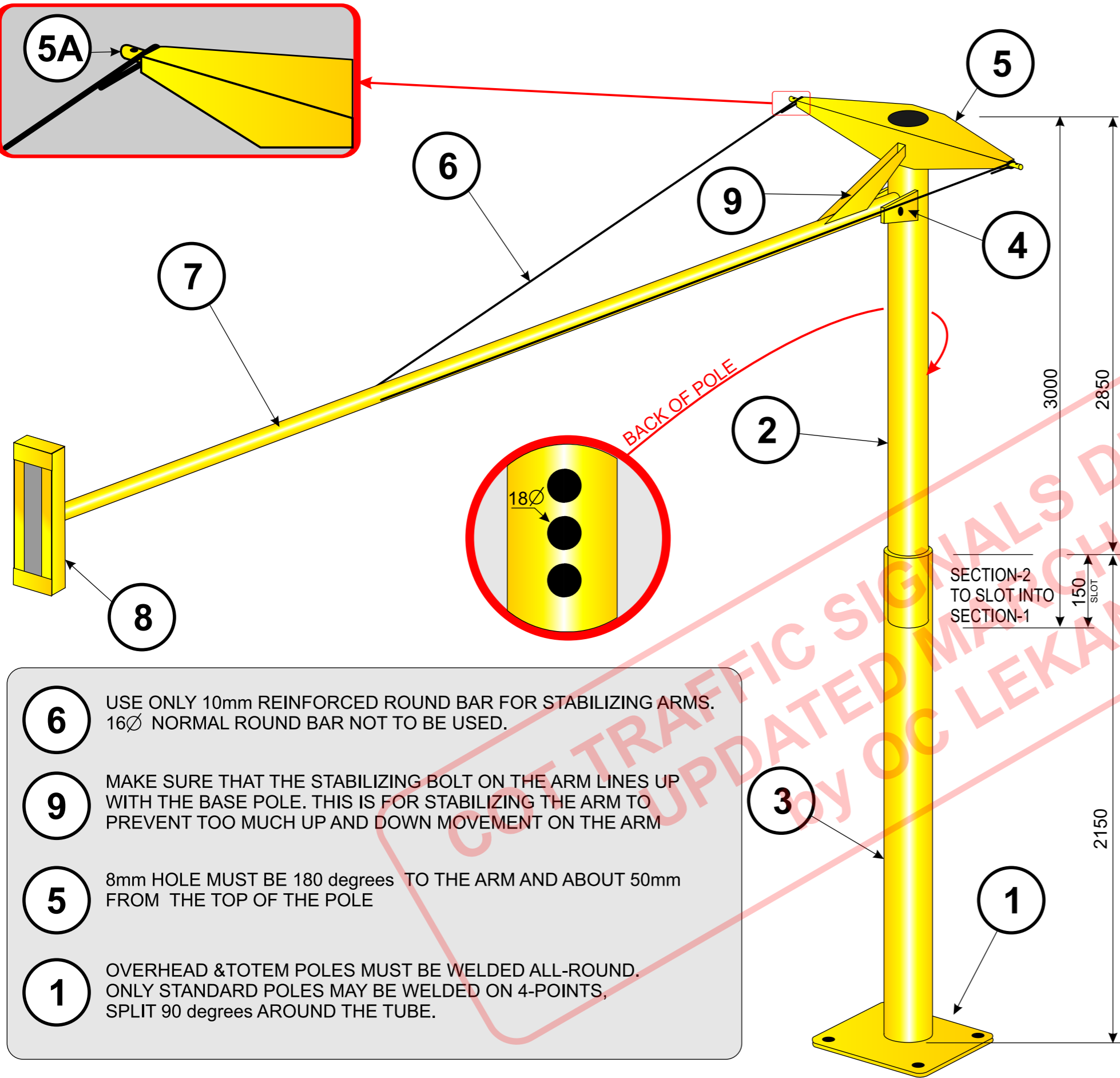
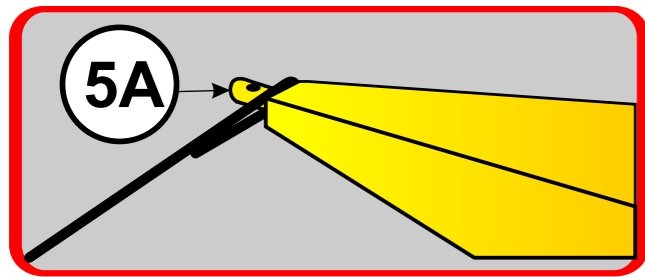


5-ASPECT BACKING BOARD ASSEMBLY



COT TRAFFIC SIGNALS DRAWINGS
 UPDATED MARCH 2024
 by JOC LEKANA

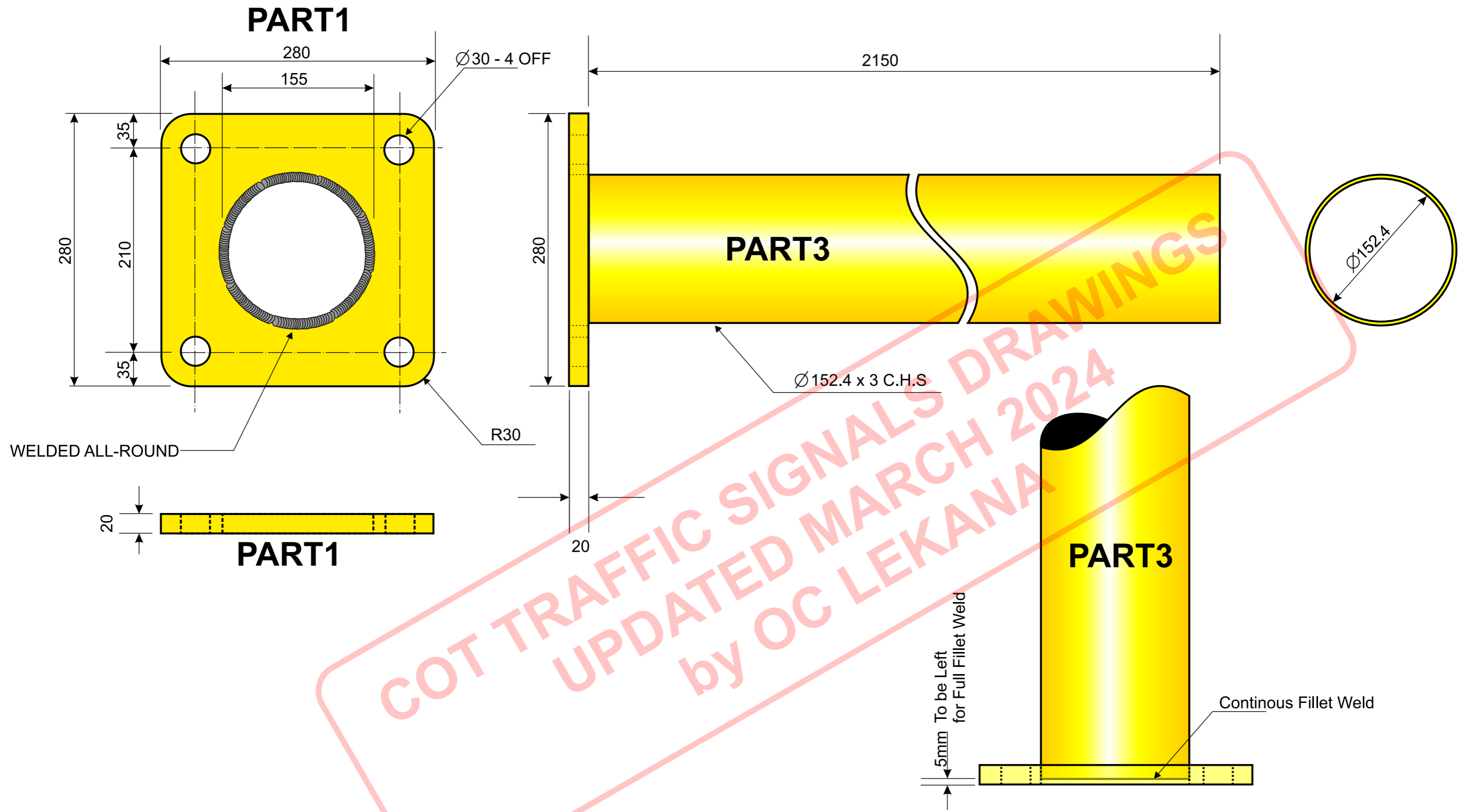
2-ASPECT BACKING BOARD



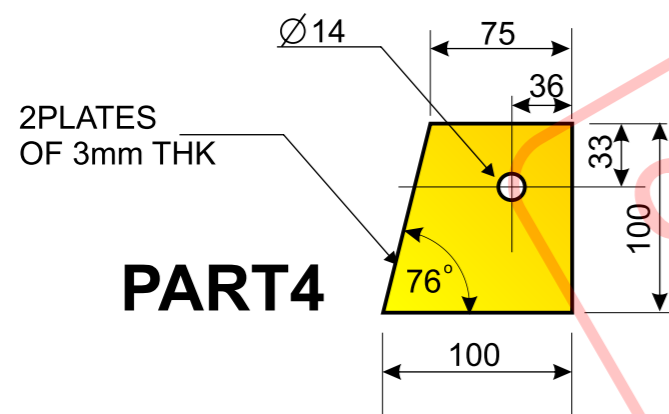
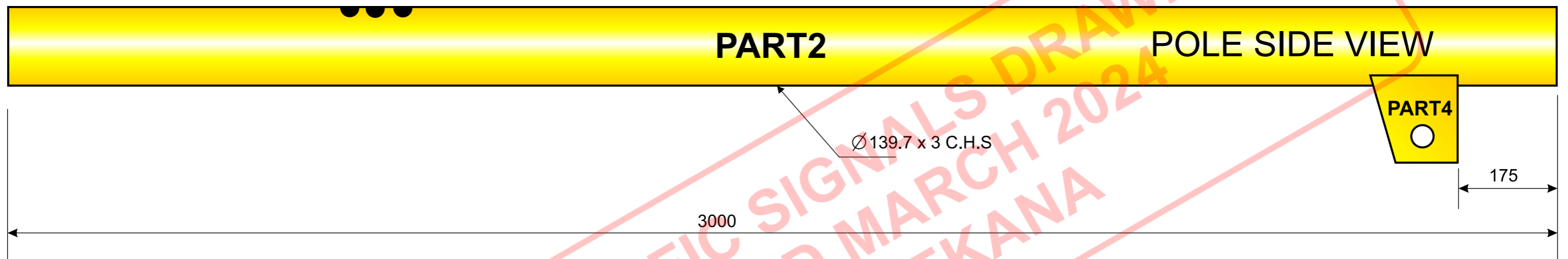
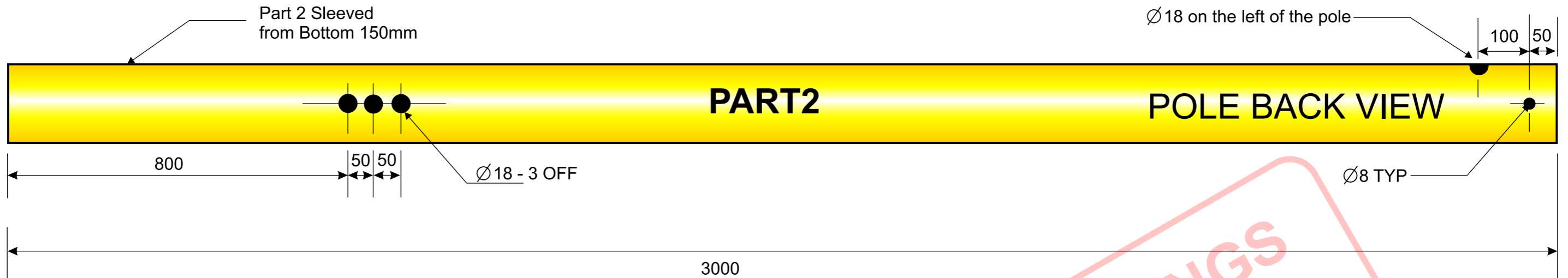
PAINT NOTES:
 1 COAT RED OXIDE
 1 COAT WHITE PRIMER
 1 COAT TRAFFIC YELLOW ENAMEL

- 6** USE ONLY 10mm REINFORCED ROUND BAR FOR STABILIZING ARMS. 16Ø NORMAL ROUND BAR NOT TO BE USED.
- 9** MAKE SURE THAT THE STABILIZING BOLT ON THE ARM LINES UP WITH THE BASE POLE. THIS IS FOR STABILIZING THE ARM TO PREVENT TOO MUCH UP AND DOWN MOVEMENT ON THE ARM
- 5** 8mm HOLE MUST BE 180 degrees TO THE ARM AND ABOUT 50mm FROM THE TOP OF THE POLE
- 1** OVERHEAD & TOTEM POLES MUST BE WELDED ALL-ROUND. ONLY STANDARD POLES MAY BE WELDED ON 4-POINTS, SPLIT 90 degrees AROUND THE TUBE.

OVERHEAD TRAFFIC SIGNAL POLE (COMPLETE)

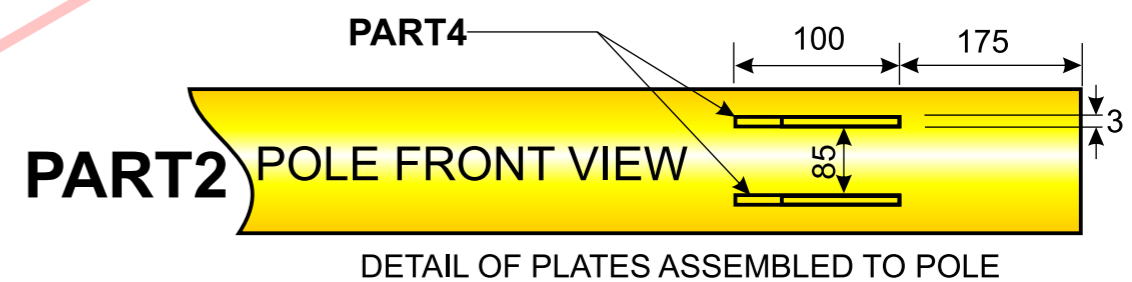


OVERHEAD TRAFFIC SIGNAL POLE

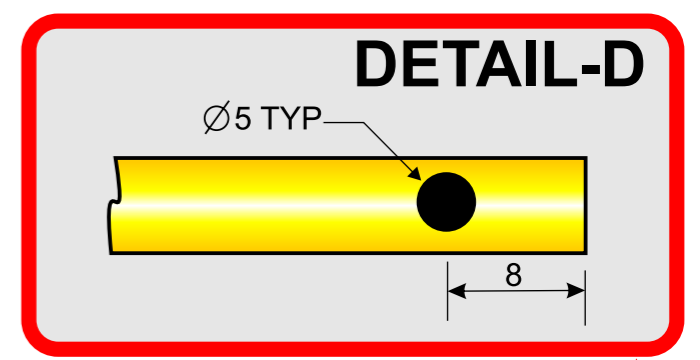
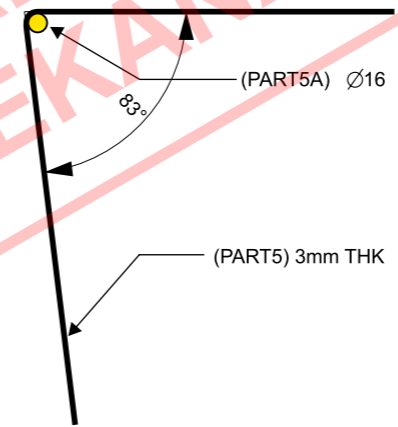
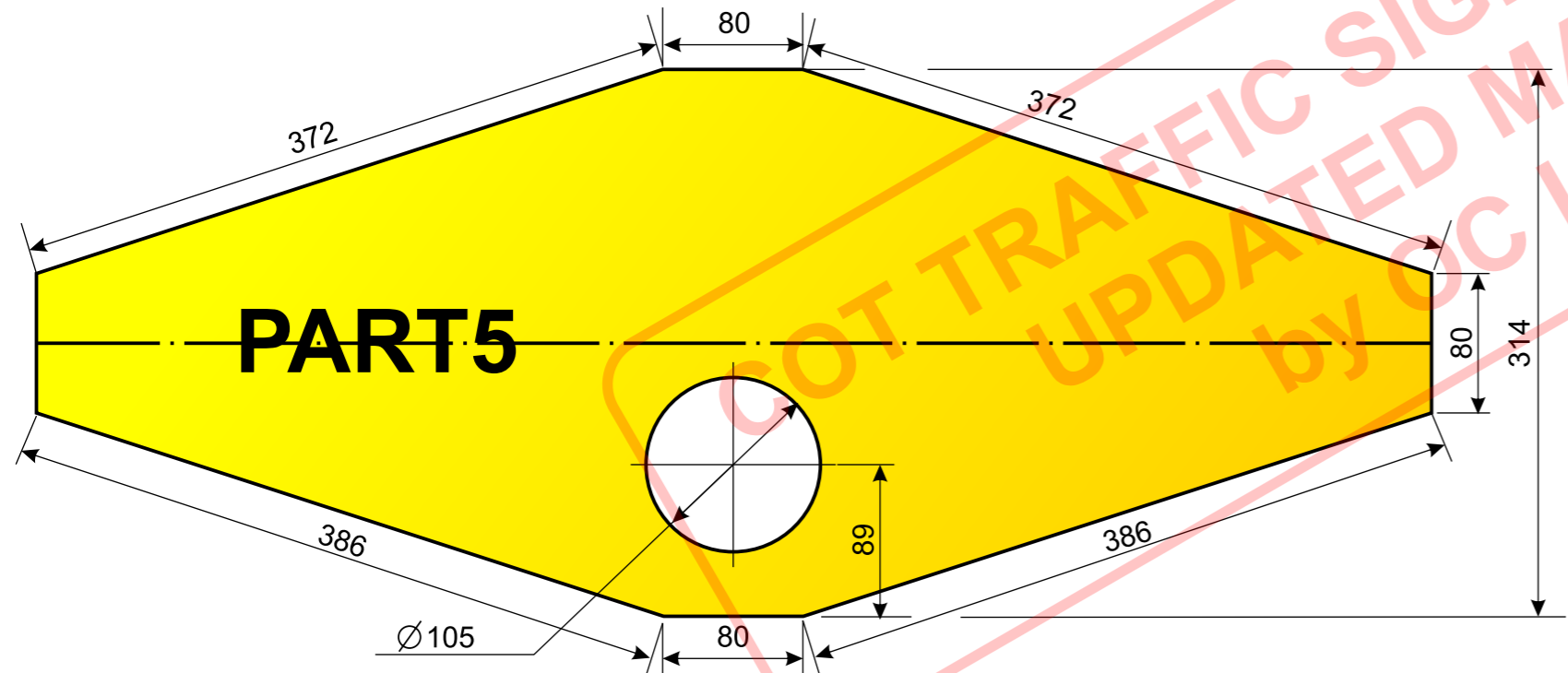
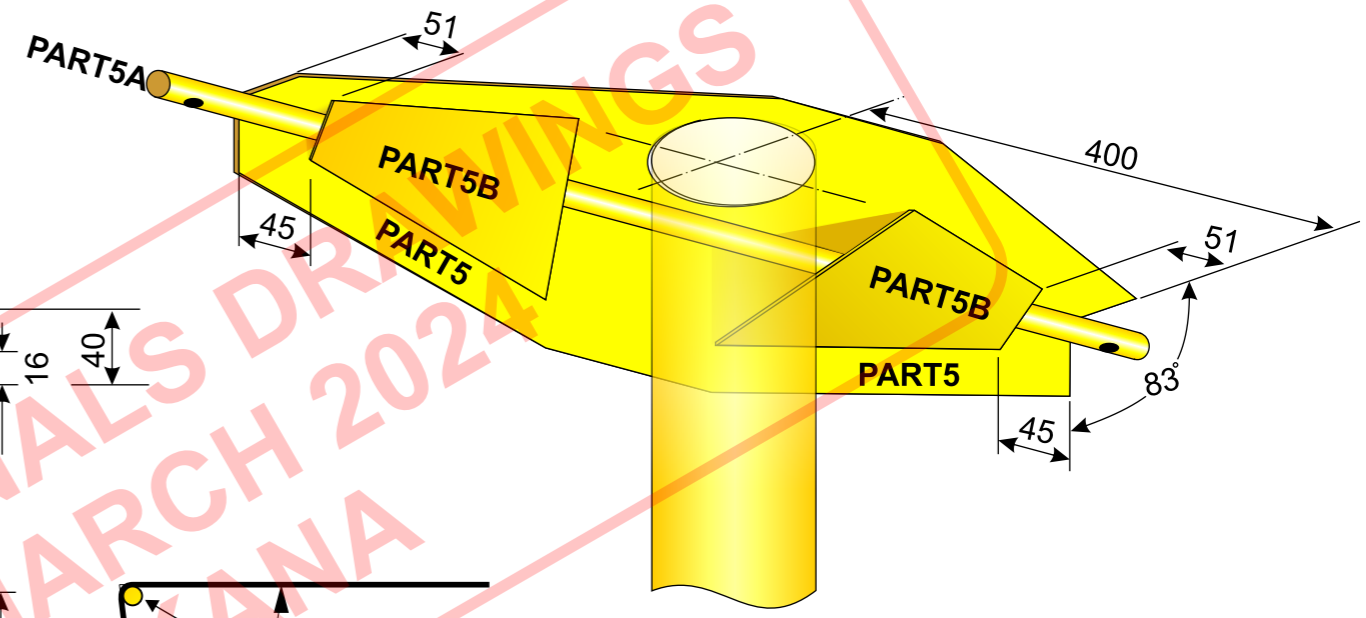
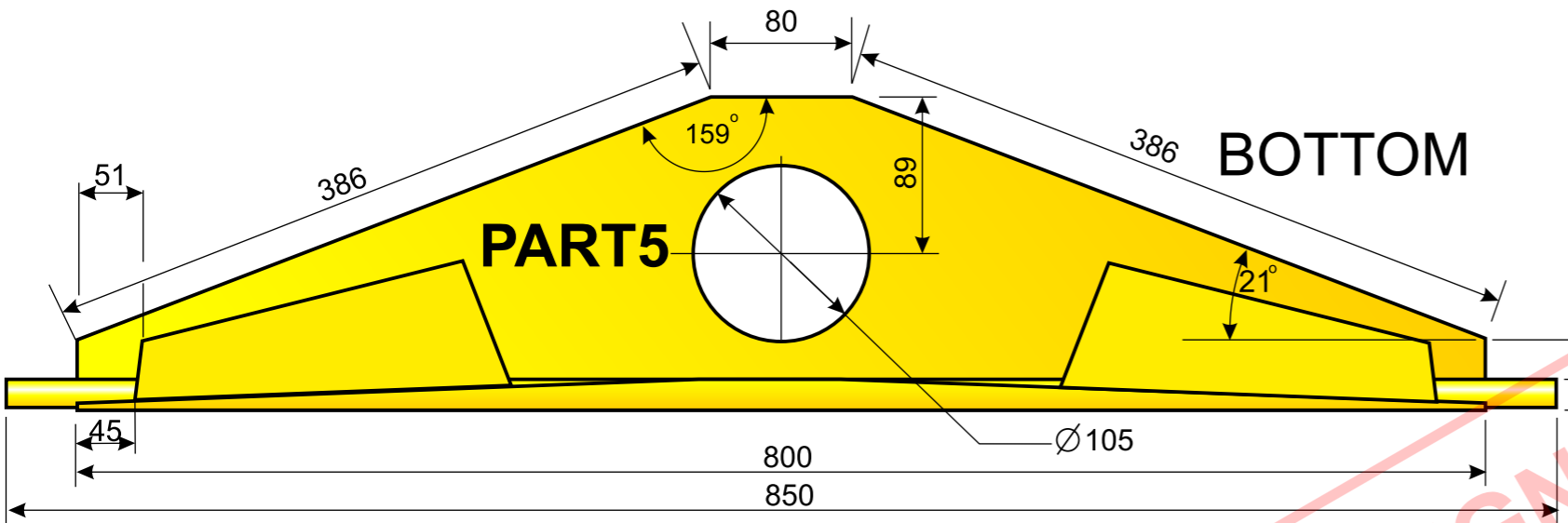
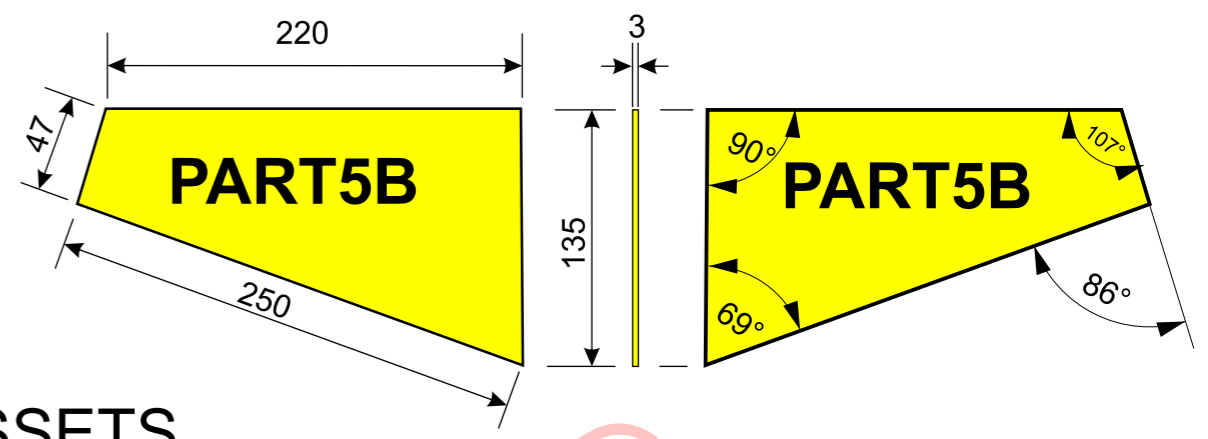
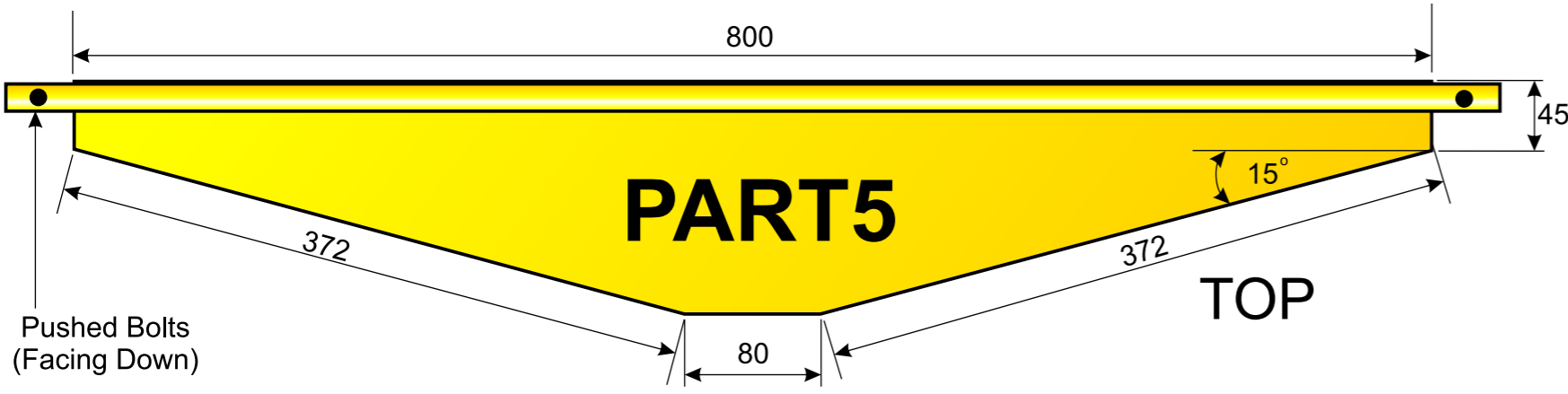


NOTES:

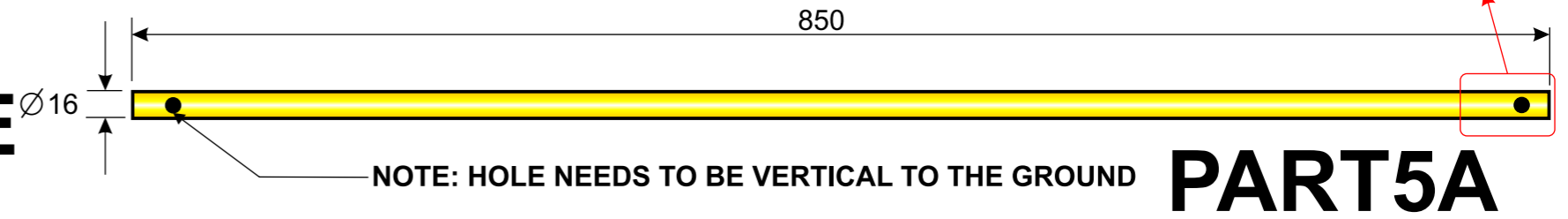
- 1) All Dimensions To Be In mm
- 2) All Holes To Be Burred
- 3) Part 2 To Be Sleeved in (Part 3) , 150mm
- 4) 3000mm to allow overlap weld into the base pole

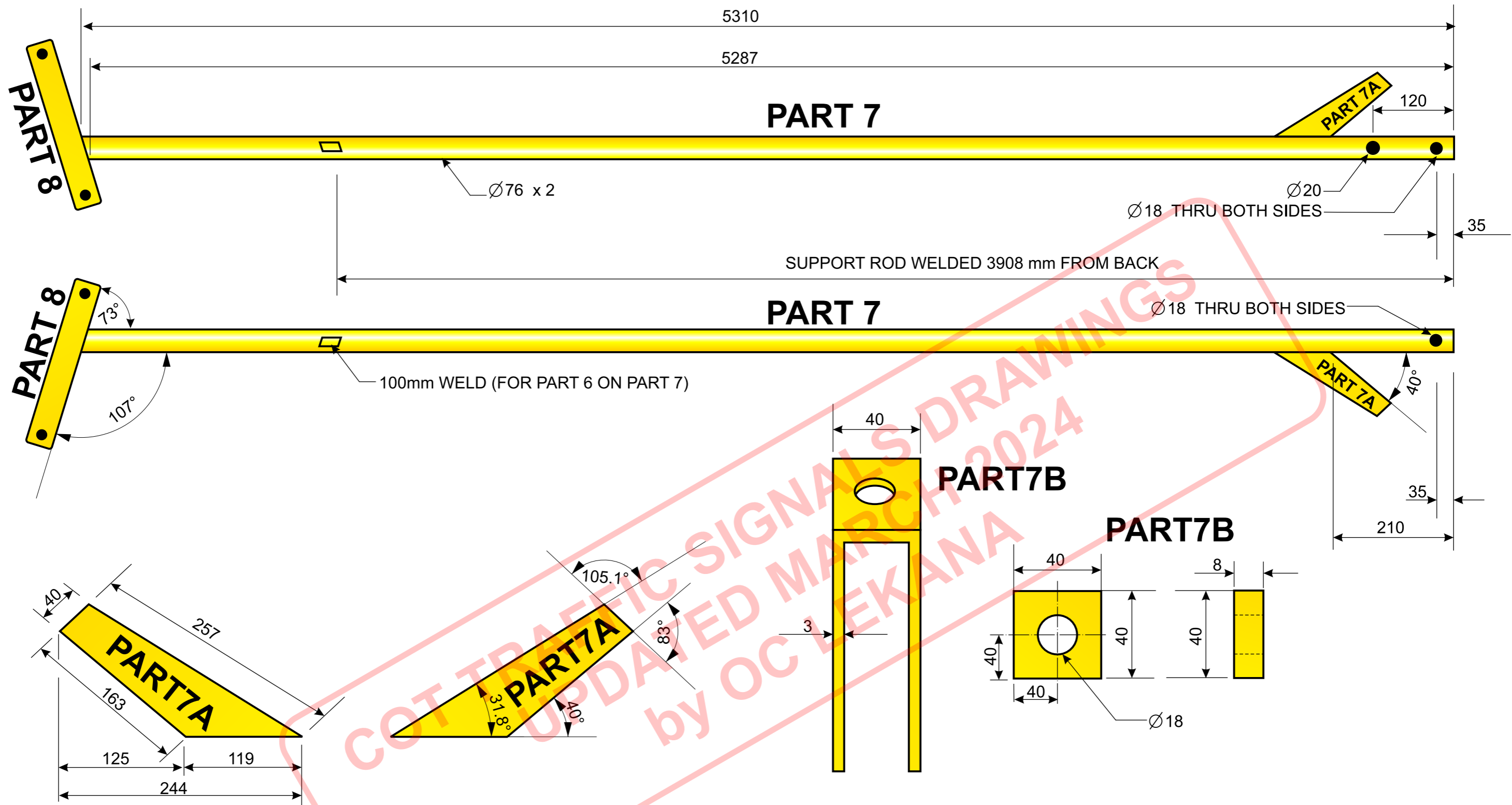


OVERHEAD TRAFFIC SIGNAL POLE (CANTILEVER ASSEMBLY)



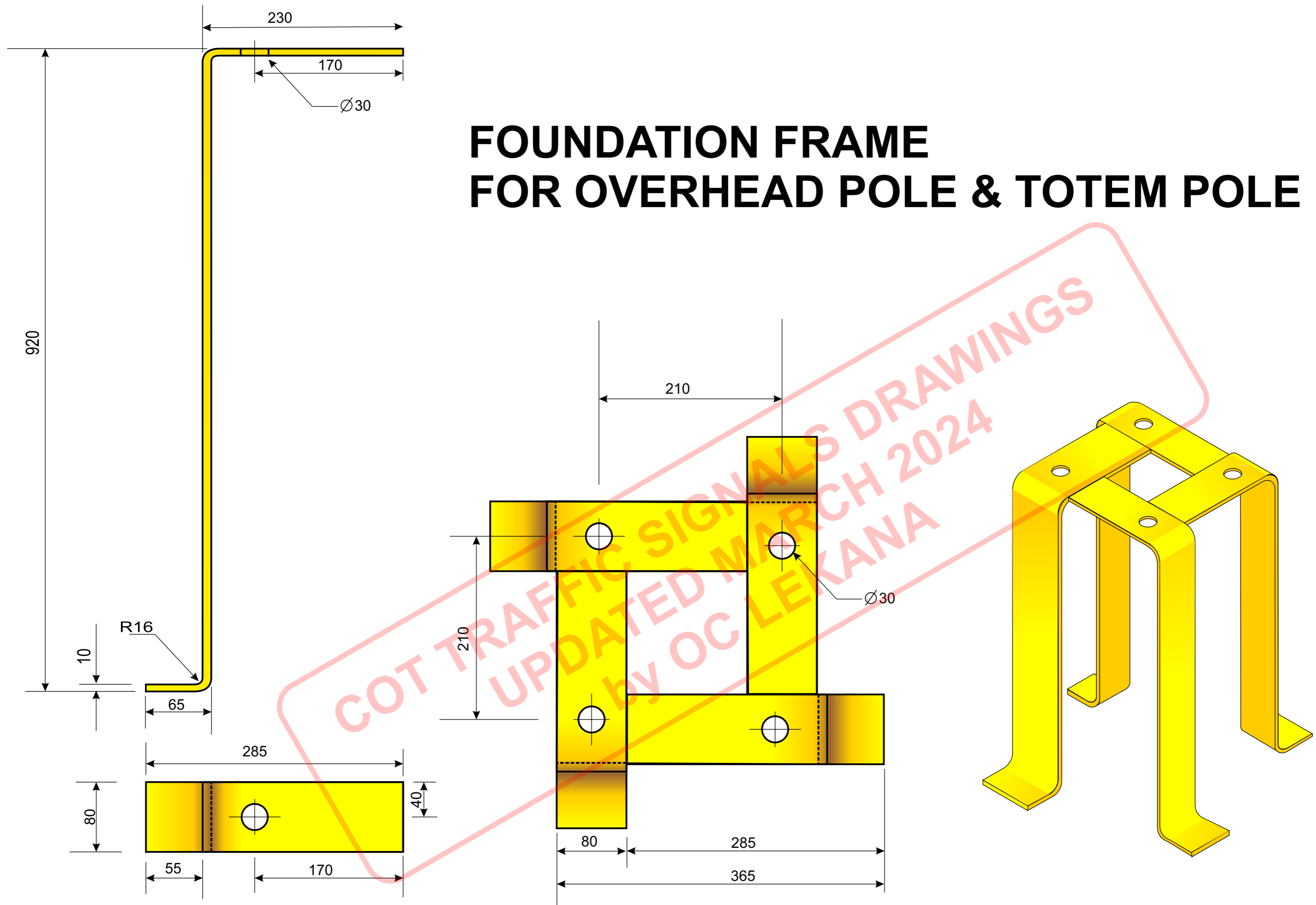
**OVERHEAD
TRAFFIC SIGNAL POLE
(CANTILEVER HEAD)**

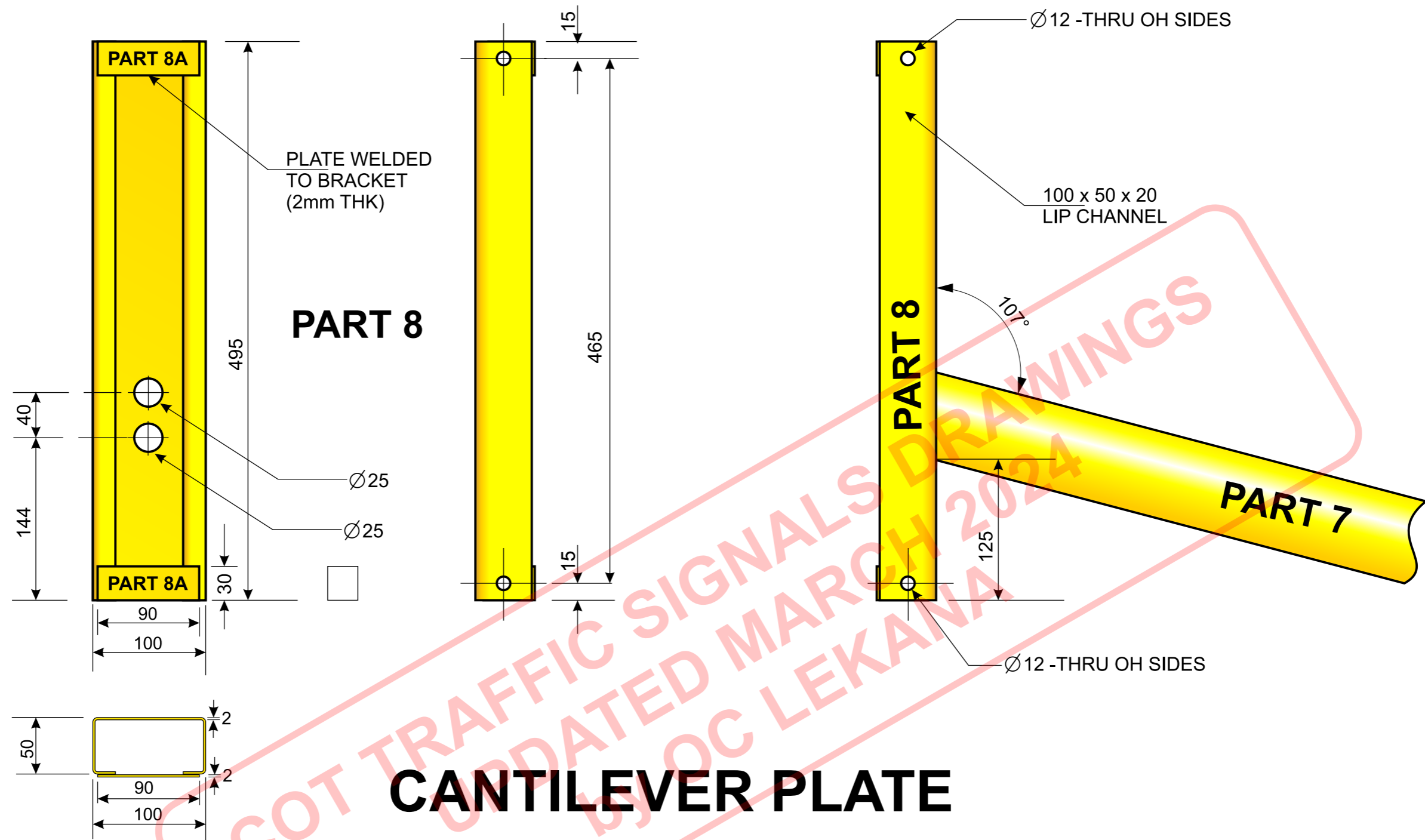


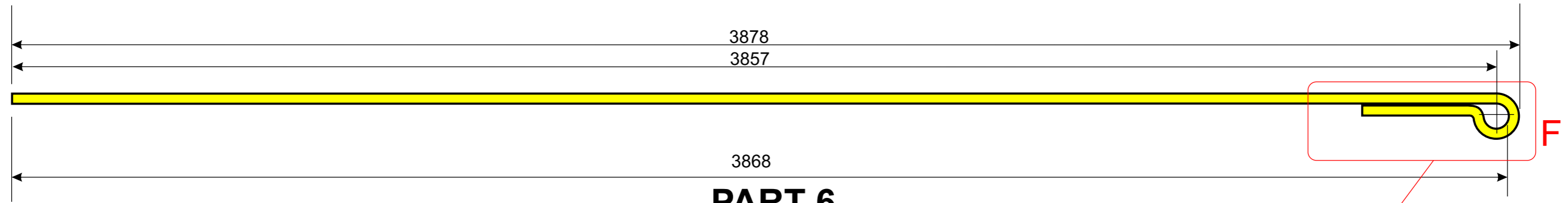


OVERHEAD ARM

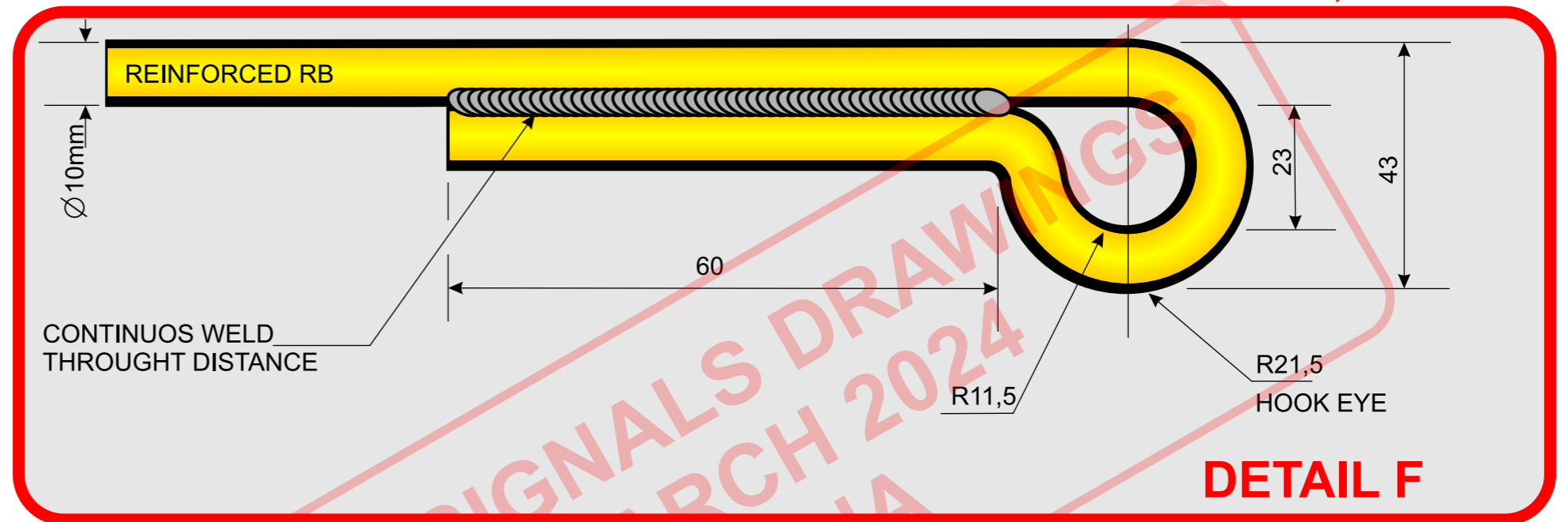
FOUNDATION FRAME FOR OVERHEAD POLE & TOTEM POLE







PART 6



NOTES

- 1) ALL DIMENSIONS TO BE IN mm
- 2) ID 23mm TO ALLOW FOR 16mm ROUND BAR
- 3) TOTAL LENGTH 2878mm
- 4) USE ONLY 10mm RE-INFORCED ROUND-BAR FOR STABILIZING ARMS
- 5) THE HOOK EYE MUST FACE DOWN

SUPPORT ROD

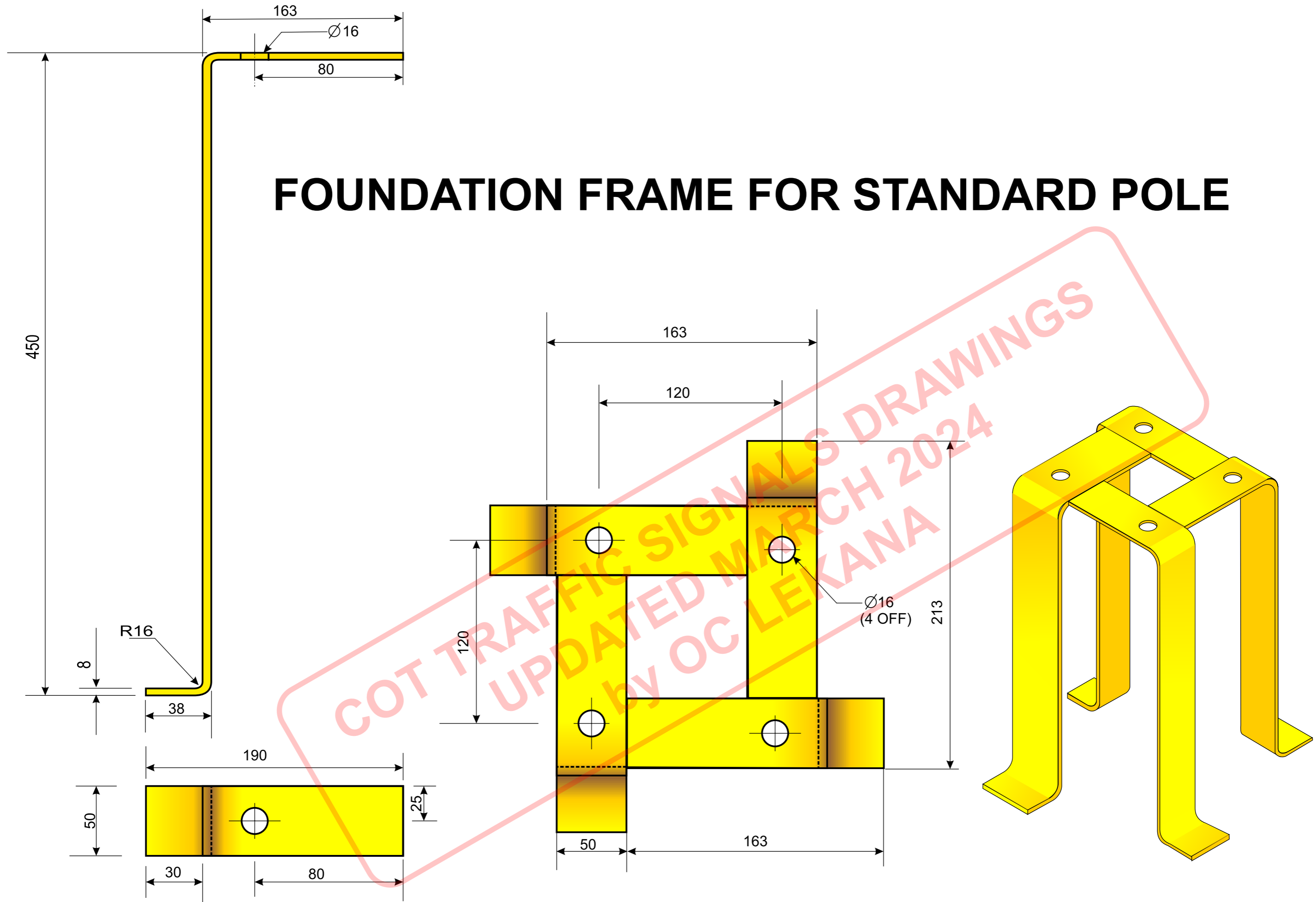
COT TRAFFIC SIGNALS DRAWINGS
UPDATED MARCH 2024
by OC LEKANA

MATERIAL SCHEDULE FOR OVER HEAD POLE

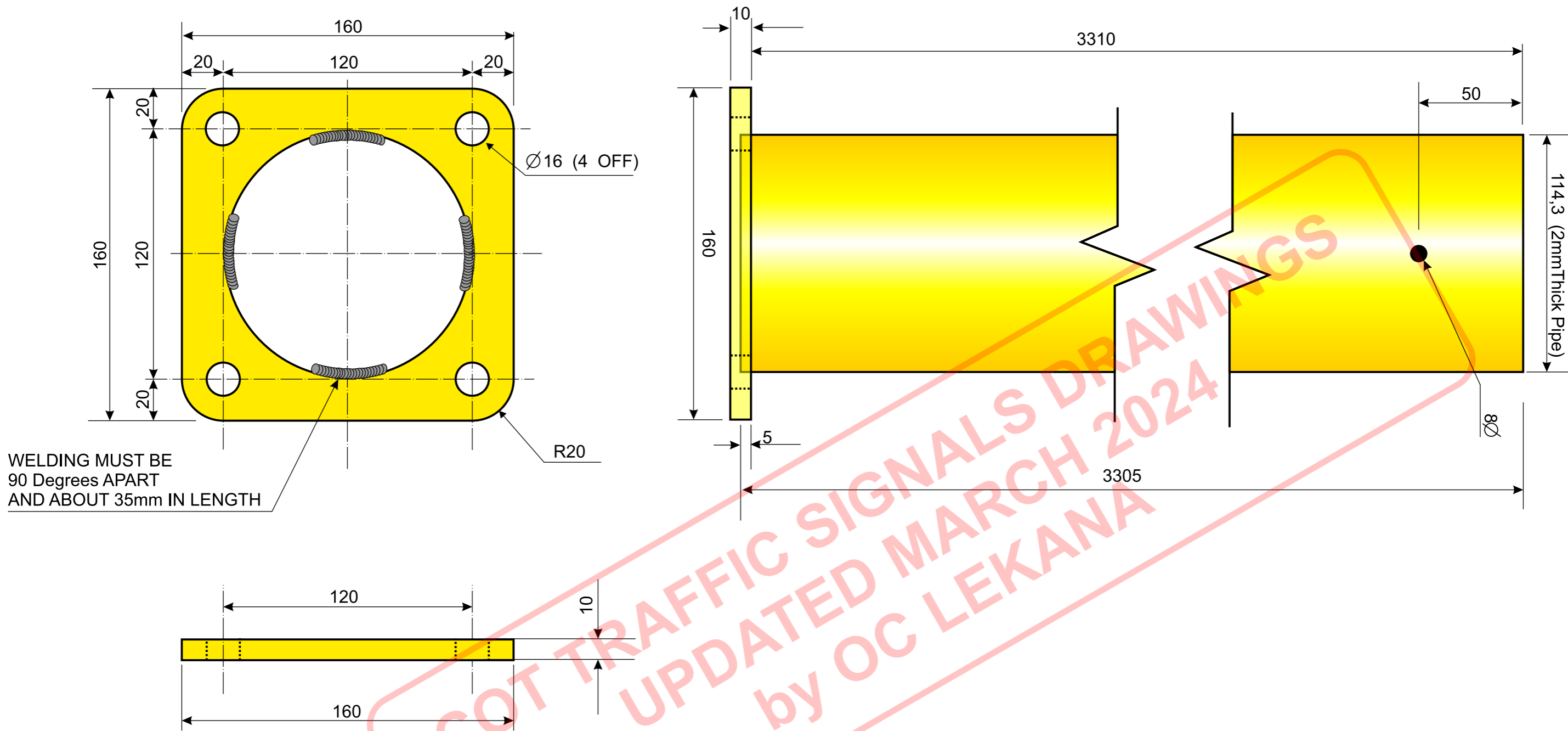
ITEM	Quantity	Description	
PART3	1	SSection1	152.4 Diameter x 3 x2150
PART2	1	Section2	139.7 Diameter x 3 x 3000
PART1	1	Base plate	280 x 280 x20
PART4	2	Cantilver Hinge Plate	100 x x100 x 3
PART5	1	Cantilver Hinge Plate	800 x 314 x 3
PART5A	1	Stabilizer Rod	16 Diameter x 850
PART5B	2	Gusset	220 x 135 x3
PART6	2	Starbilier Arm (Reinforced Rund Bar)	10 Diameter x 3996
PART7	1	Outreach Arm	76.2 Diameter x 2 x 5310
PART8	1	Robot mounting Piece	100 x50 x2 - 495
PART8A	2	Bracing Plate	90 x 30 x2
PART7A	3	Stopper Plate	257 x 136 x 3
PART7B	1	Adjuster Plate	40 x 40 x 8

ITEM	Quntity	SIZE in mm	Description	Length in mm
1	4	M24	Hex Head Set Screw (Zinc Plated)	75
2	4	M24	Hex Nut (Zinc Plated)	
3	20	M24	Flat Washer (Zinc Plated)	
4	2	M4	Split Pin	50
5	2	M16	Flat Washer (Zinc Plated)	
6	1	M12	Hex Head Bolt	100(TL 32mm)
7	3	M12	Hex Nut Grd 8(Zinc Plated)	
8	3	M12	Flat Washer (Zinc Plated)	
9	1	M12	Hex Head Set Screw (Zinc Plated)	90
10	4	M10	Hex Head Set Screw (Zinc Plated)	20
11	8	M10	Hex Nut Grd 8(Zinc Plated)	
12	8	M10	Flat Washer (Zinc Plated)	

FOUNDATION FRAME FOR STANDARD POLE

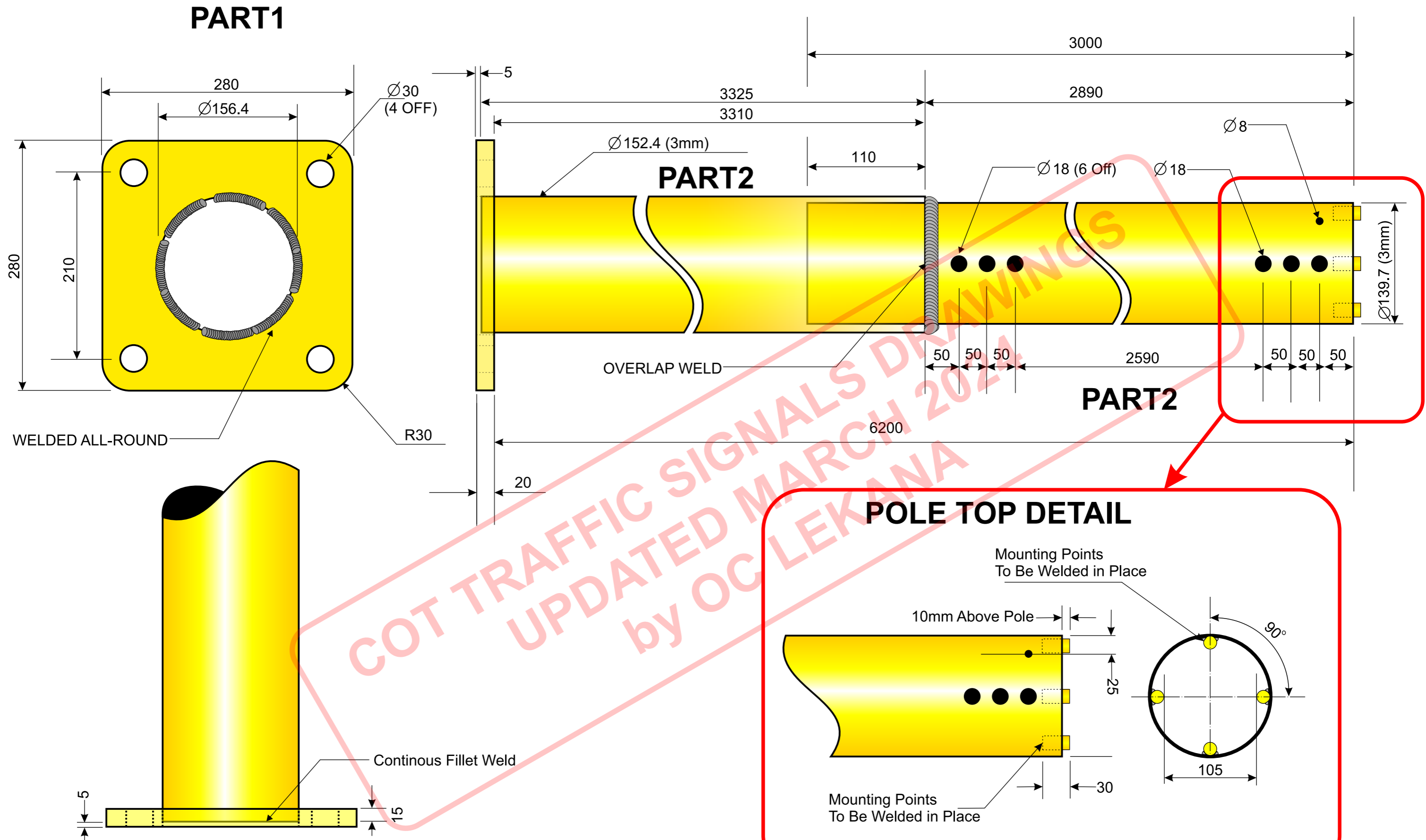


COT TRAFFIC SIGNALS DRAWINGS
UPDATED MARCH 2024
BY OC LEKANA

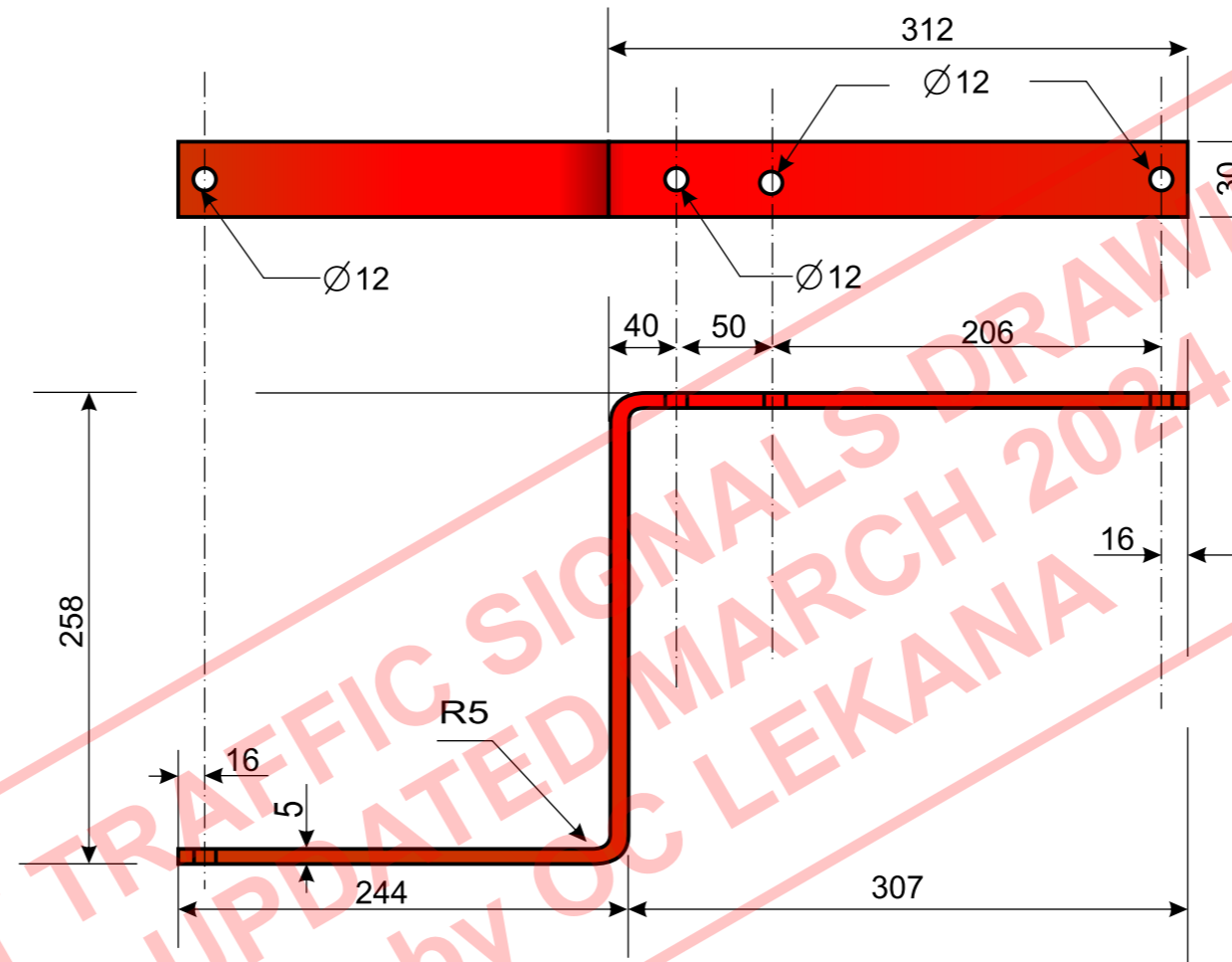


STANDARD POLE

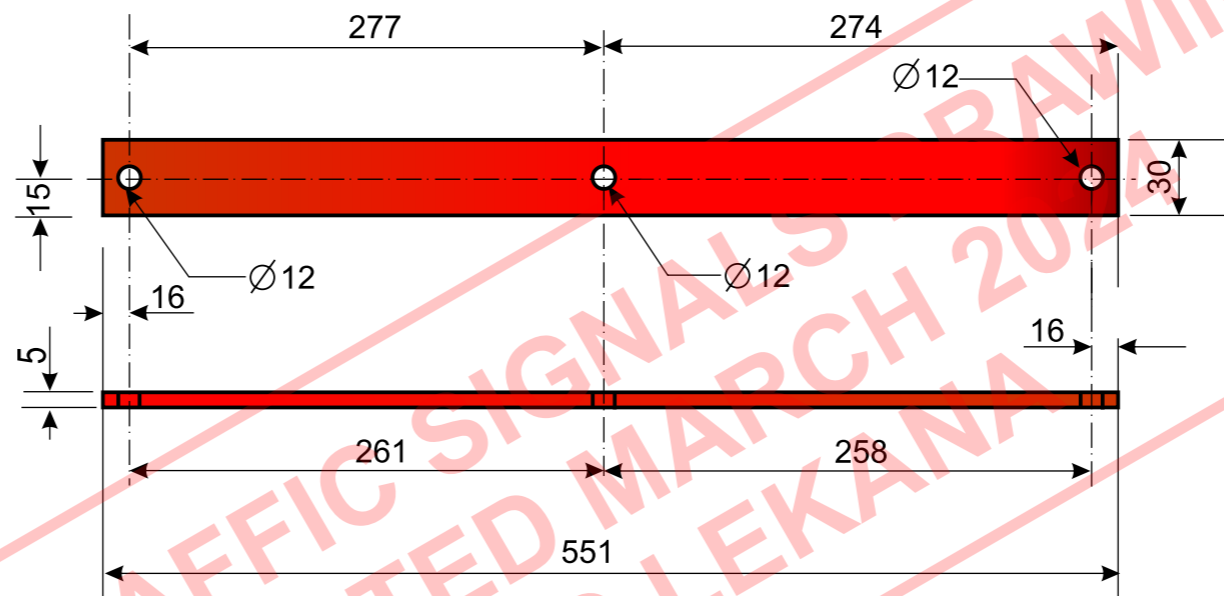
NB: POLE TUBE THICKNESS: NOT MORE THAN 2mm



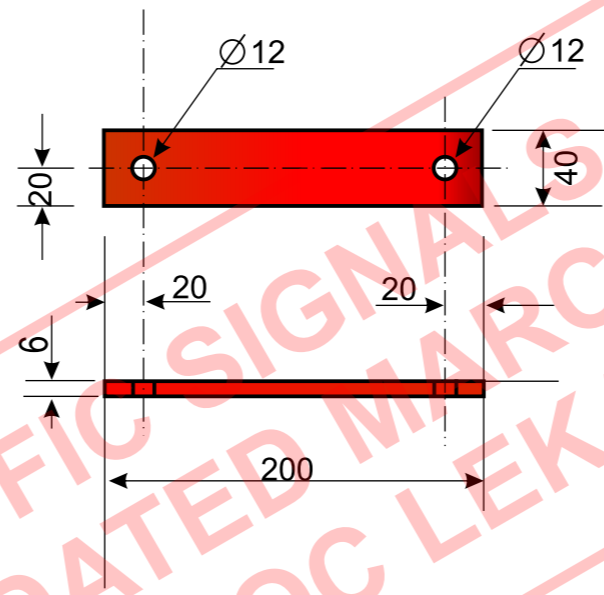
TRAFFIC SIGNAL TOTEM POLE



FIVE ASPECT TOP BRACKET

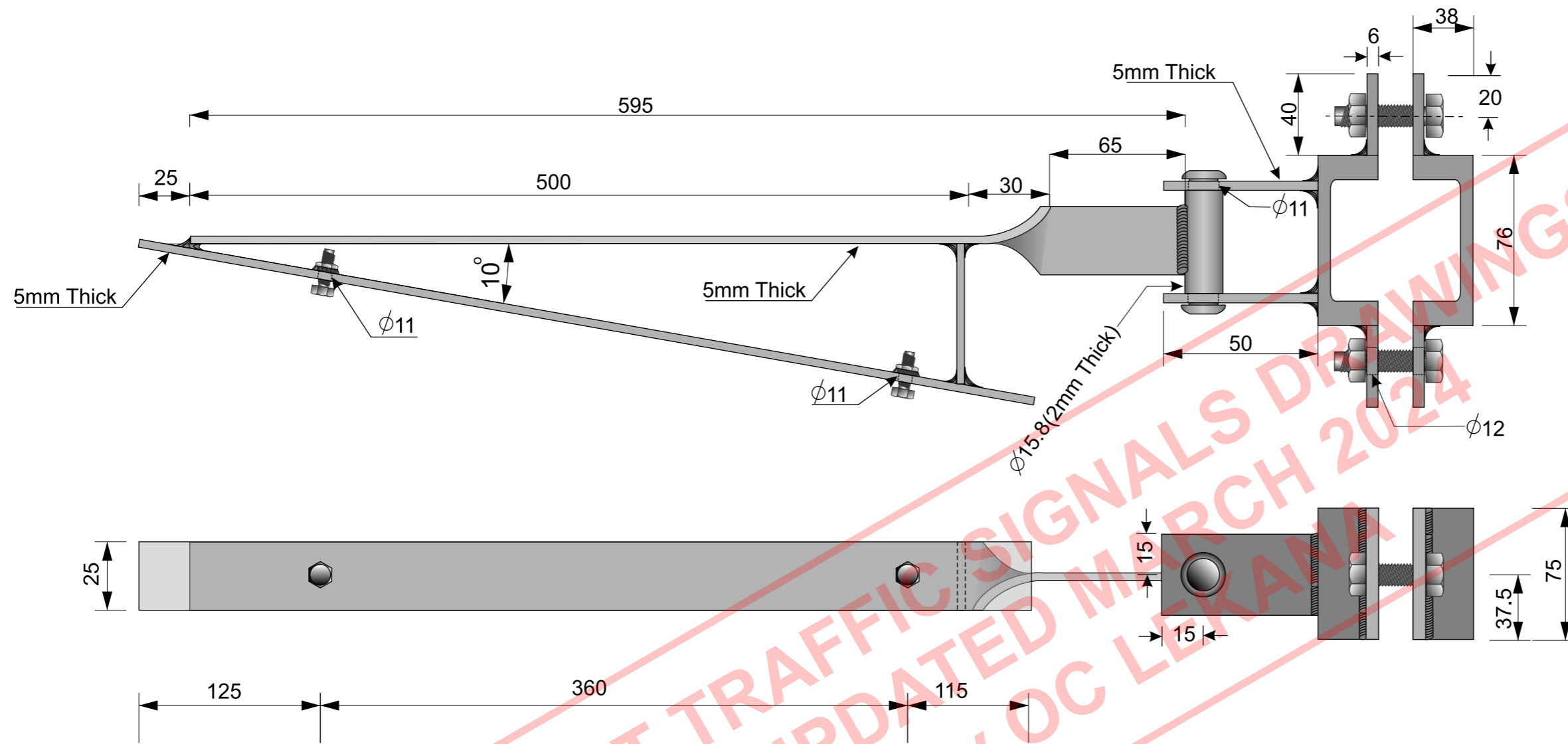


FIVE ASPECT BOTTOM BRACKET

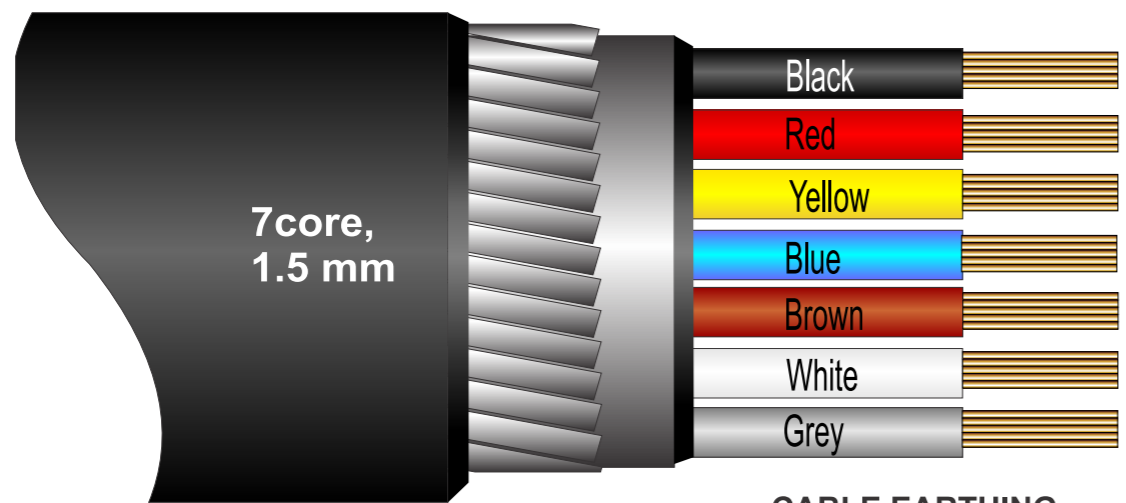


PEDESTRIAN BRACKET

COT TRAFFIC SIGNALS DRAWINGS
UPDATED MARCH 2024
PROC LEKANA



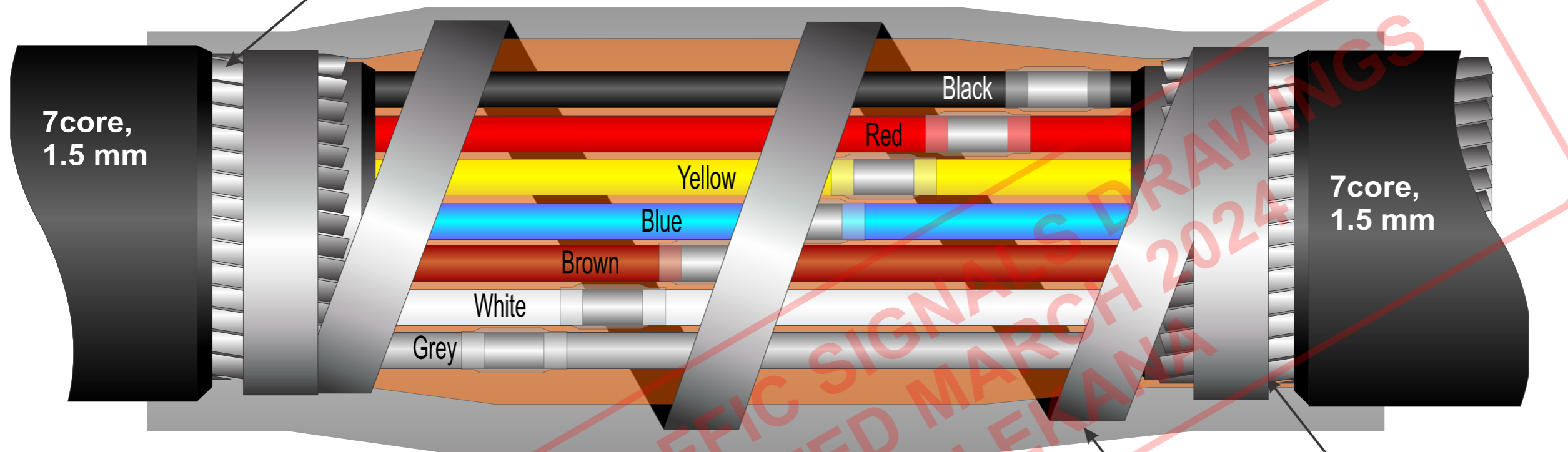
SIGN BRACKET FOR OVERHEAD ARM



7core, 1.5 mm

Legend	
	Joint Ferrols
	Heat Shrink Tube

CABLE EARTHING



CABLE EARTHING

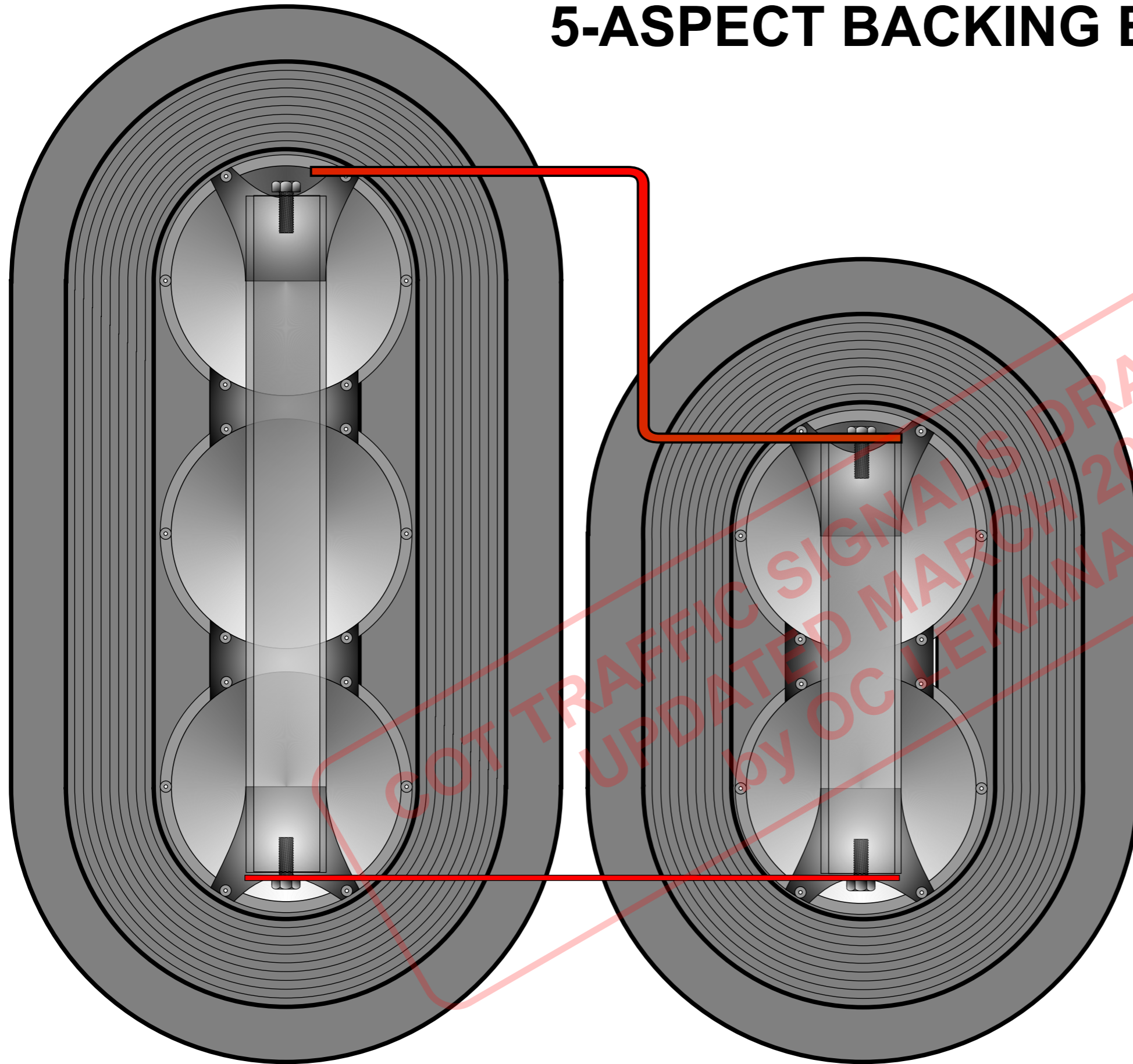
EARTH JOINT BETWEEN TWO CABLES

CABLE EARTHING

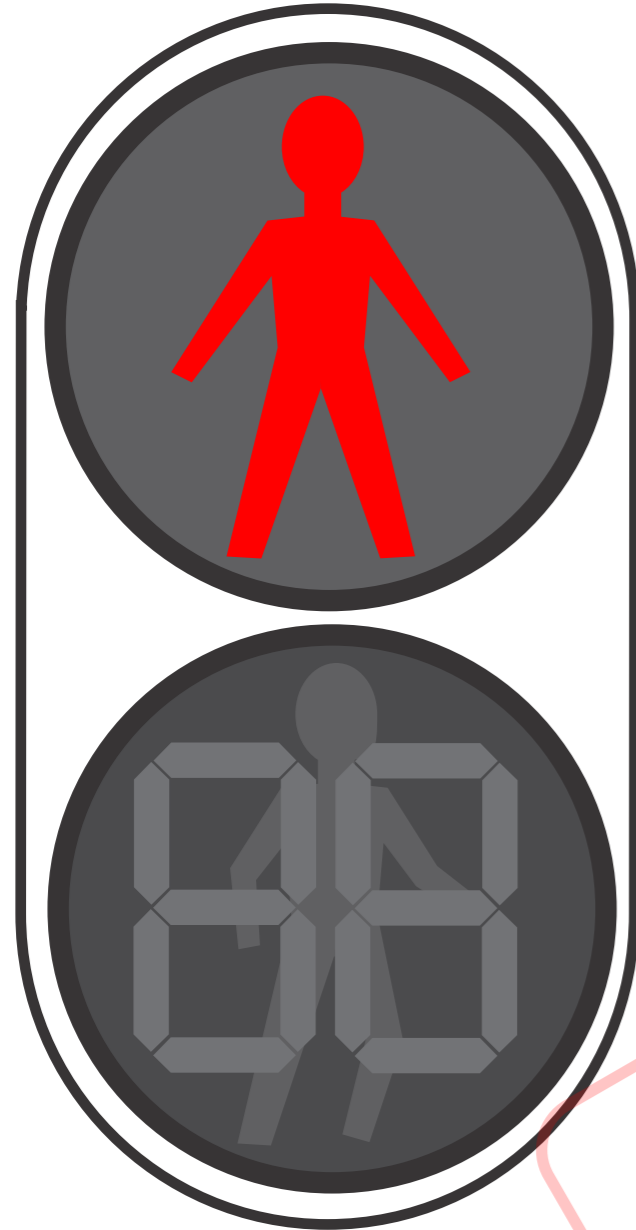
7core, 1.5 mm

7core, 1.5 mm

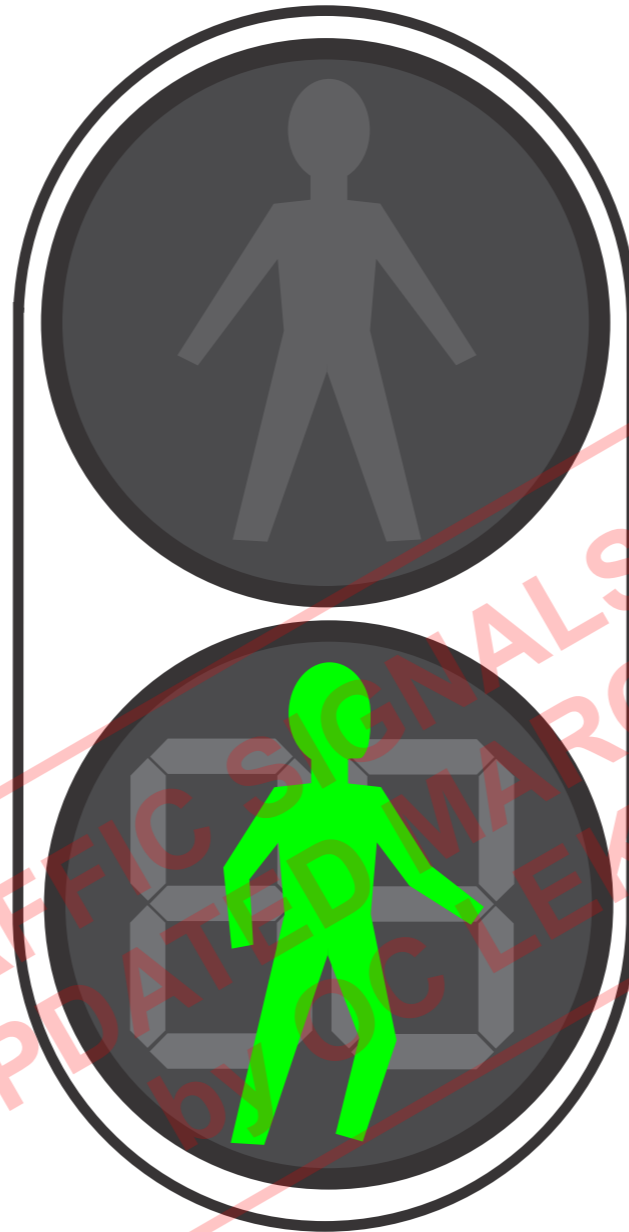
5-ASPECT BACKING BOARD ASSEMBLY (BACK VIEW)



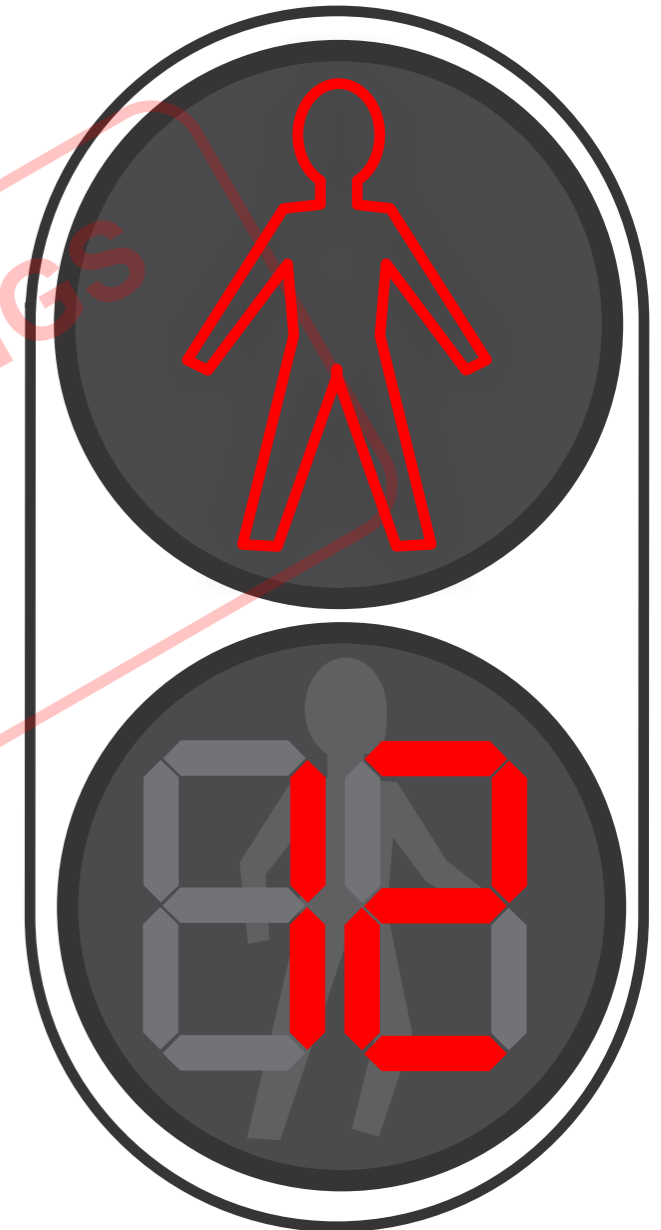
SOLID
RED MAN



SOLID
GREEN MAN

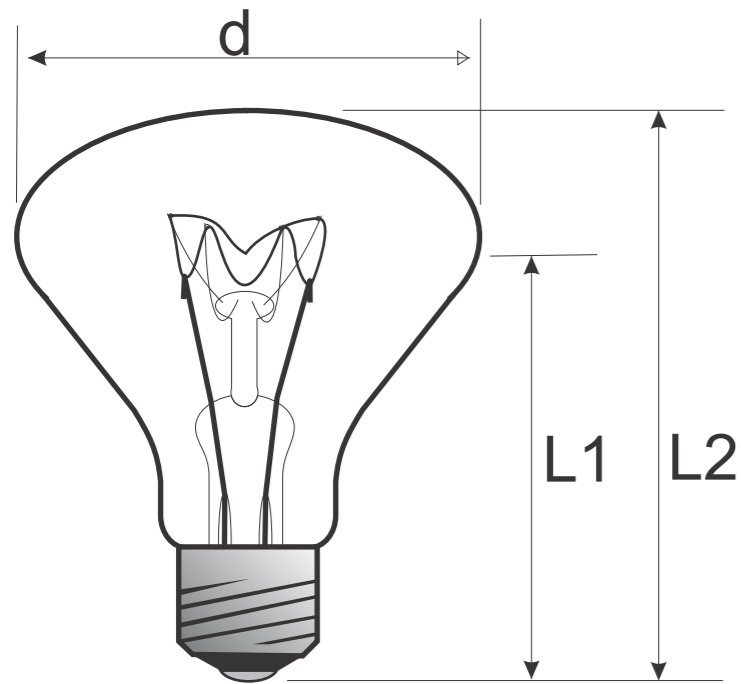


FLASHING
RED MAN WITH
COUNT DOWN



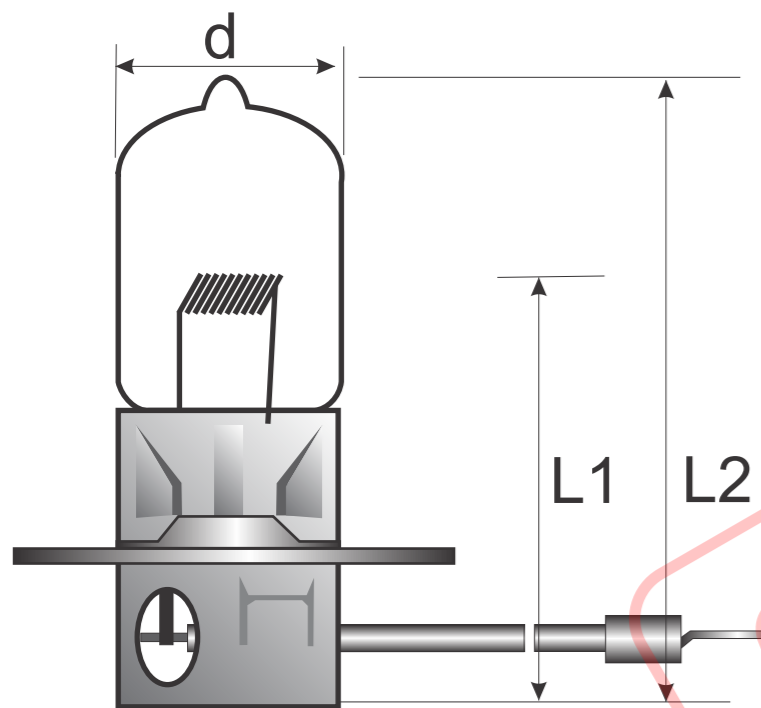
COUNT-DOWN PEDESTRIAN SIGNAL

COT TRAFFIC SIGNALS DRAWINGS
UPDATED MARCH 2024
BY C. LEXANA



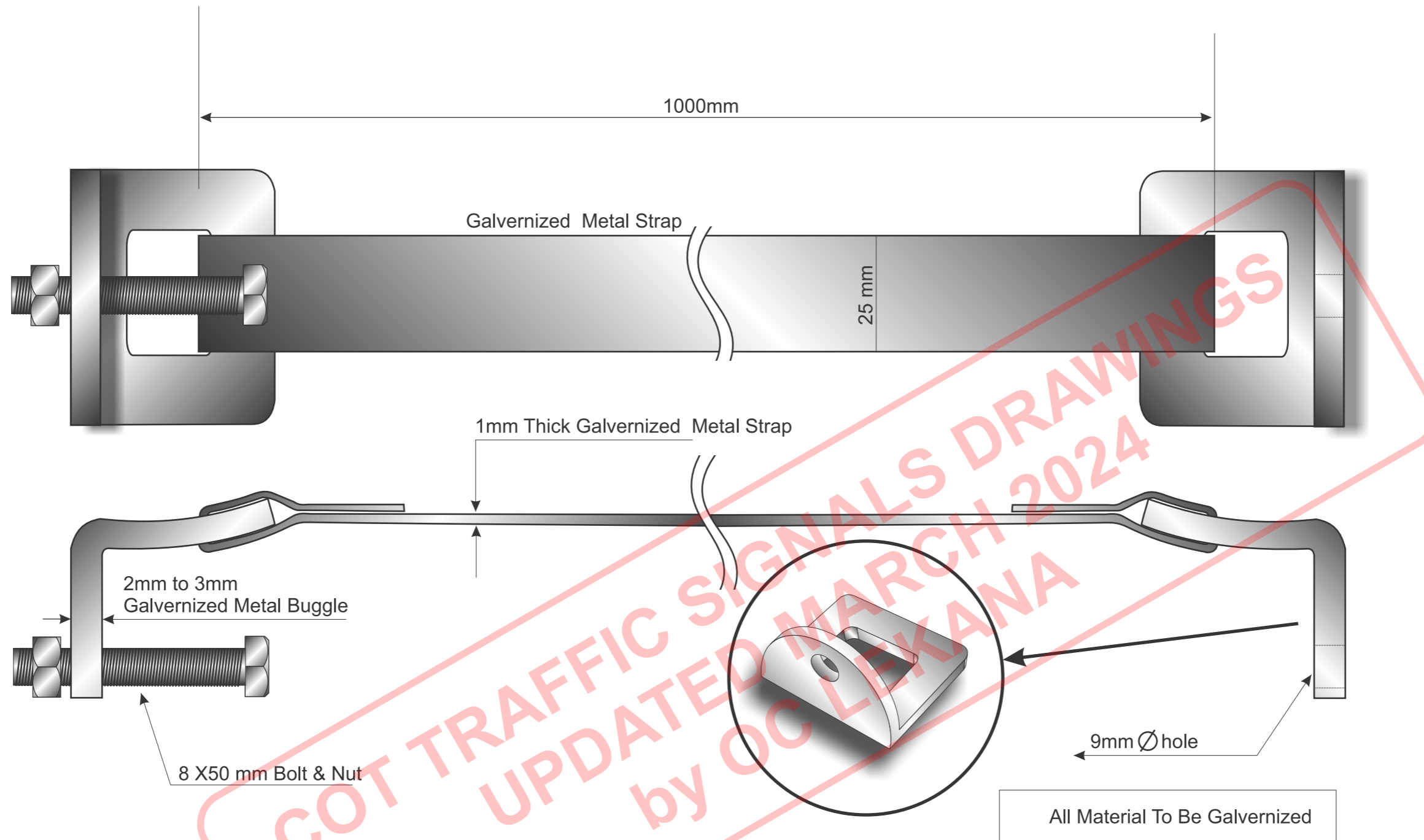
High Voltage Krypton Lamp

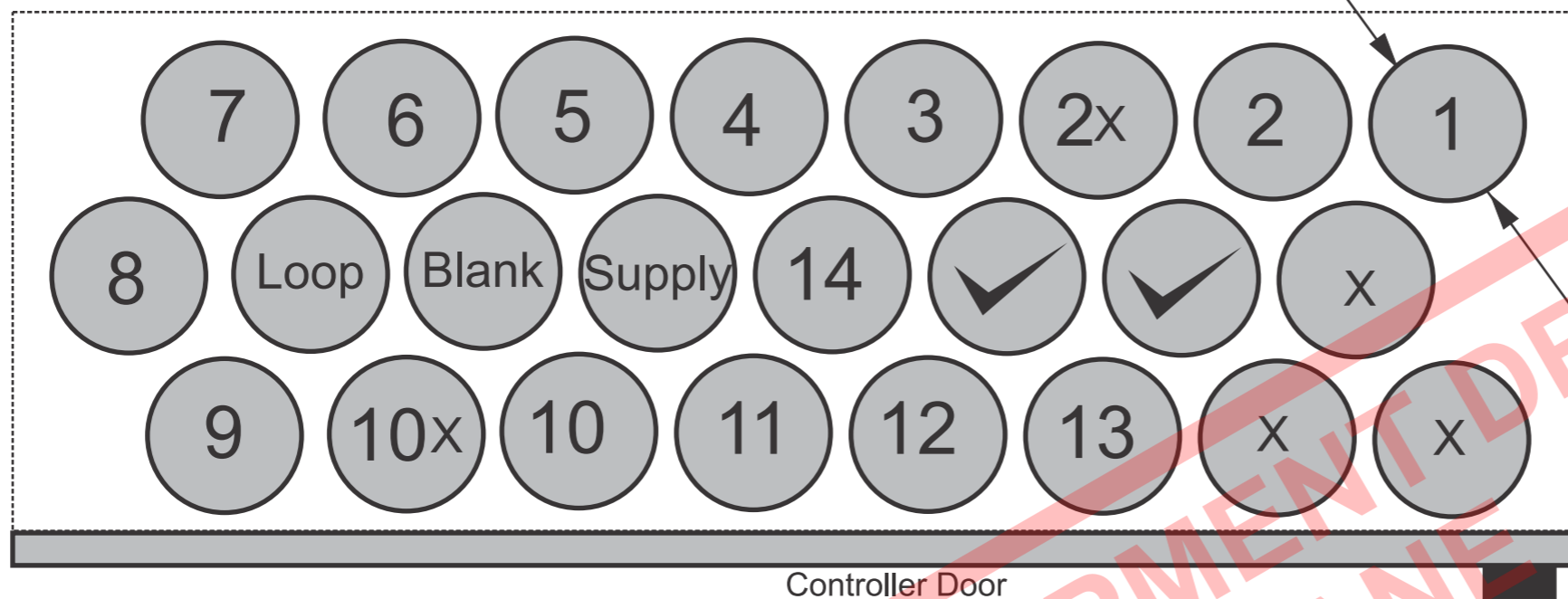
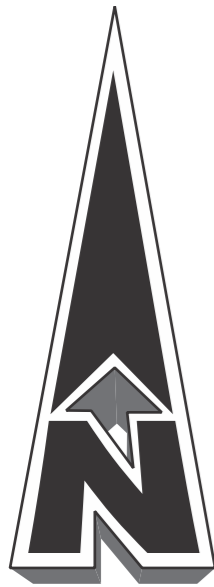
MODEL	Watts	Luminosity	Socket Type	$\varnothing d_{\max}$ (mm)	L1 (mm)	L2 (mm)	V _(operating)	Lamp Life (Ave Hours)
SIG 1543	75	600	E27	62	69	91	235	14000



Low Voltage Tungsten-halogen lamp

MODEL	Watts	Luminosity	Socket Type	$\varnothing d_{\max}$ (mm)	L1 (mm)	L2 (mm)	V _(operating)	Lamp Life (Ave Hours)
SIG 64014	50	950	PKX22S	11.5	18	32	10	16000





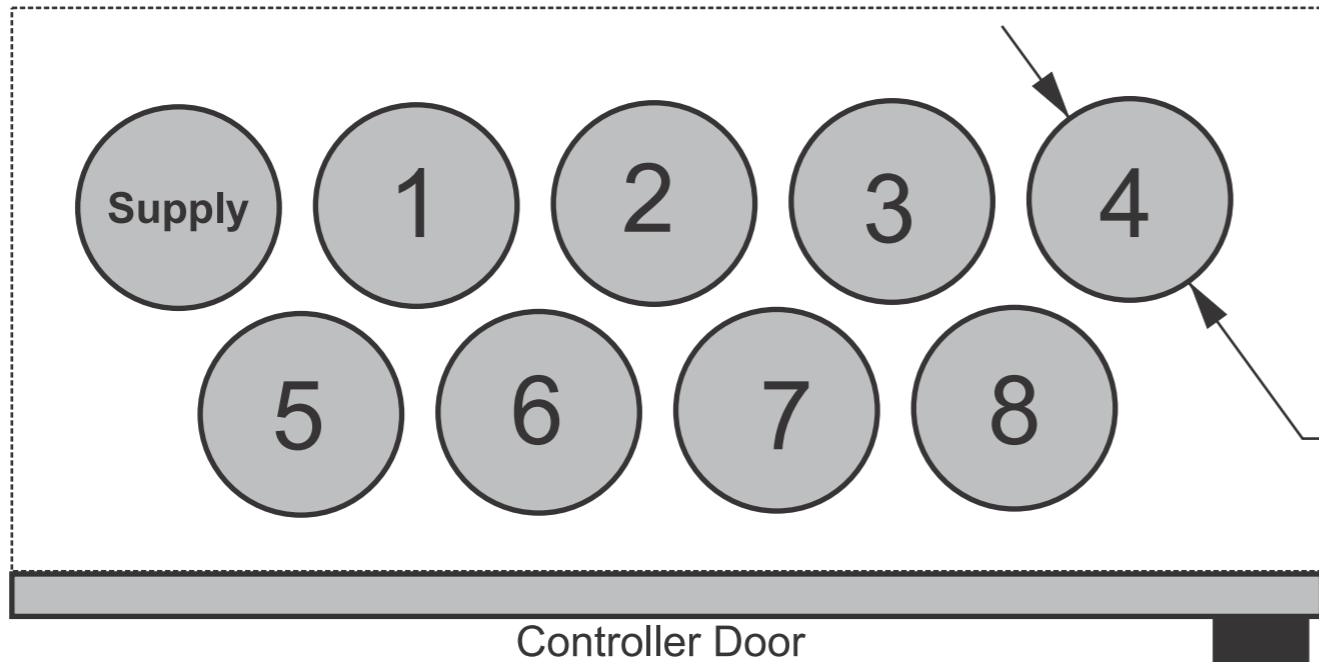
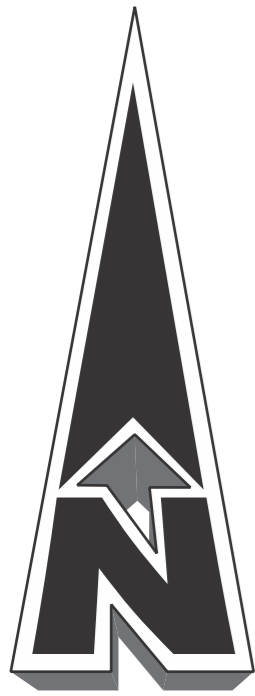
20 mm Ø	25 mm Ø
1.5 mm Cable	16 mm Cable

POLE N#

1	Red	Yellow	Green	B Ø				
2	Red	Yellow	Green	E Ø				
2X	Red	Yellow	Green	Brown	Purple	F Ø	G Ø	
3	Red	Yellow	Green	F Ø	Brown	Purple	Grey	D Ø
4	Brown	Purple		G Ø				
5	Red	Yellow	Green	A Ø				
6	Red	Yellow	Green	A Ø				
7	Red	Yellow	Green	D Ø				
8	Red	Yellow	Green	D Ø				
9	Red	Yellow	Green	C Ø				
10	Red	Yellow	Green	C Ø				
10X	Red	Yellow	Green	E Ø				
11	Red	Yellow	Green	A Ø				
12	Red	Yellow	Green	A Ø				
13	Red	Yellow	Green	E Ø	Brown	Purple	G Ø	
14	Red	Yellow	Green	B Ø	Brown	Purple	H Ø	
X	Pedestrian	Push Buttons		G Ø				
✓	Pedestrian	Push Buttons		H Ø				

Traffic Cam on AØ & FØ

Optional Cable Info: Clour Codes Depends with the Manufactures		
Brown	Purple	Pedestrian & Arrow Ø
Brown	White	Pedestrian & Arrow Ø



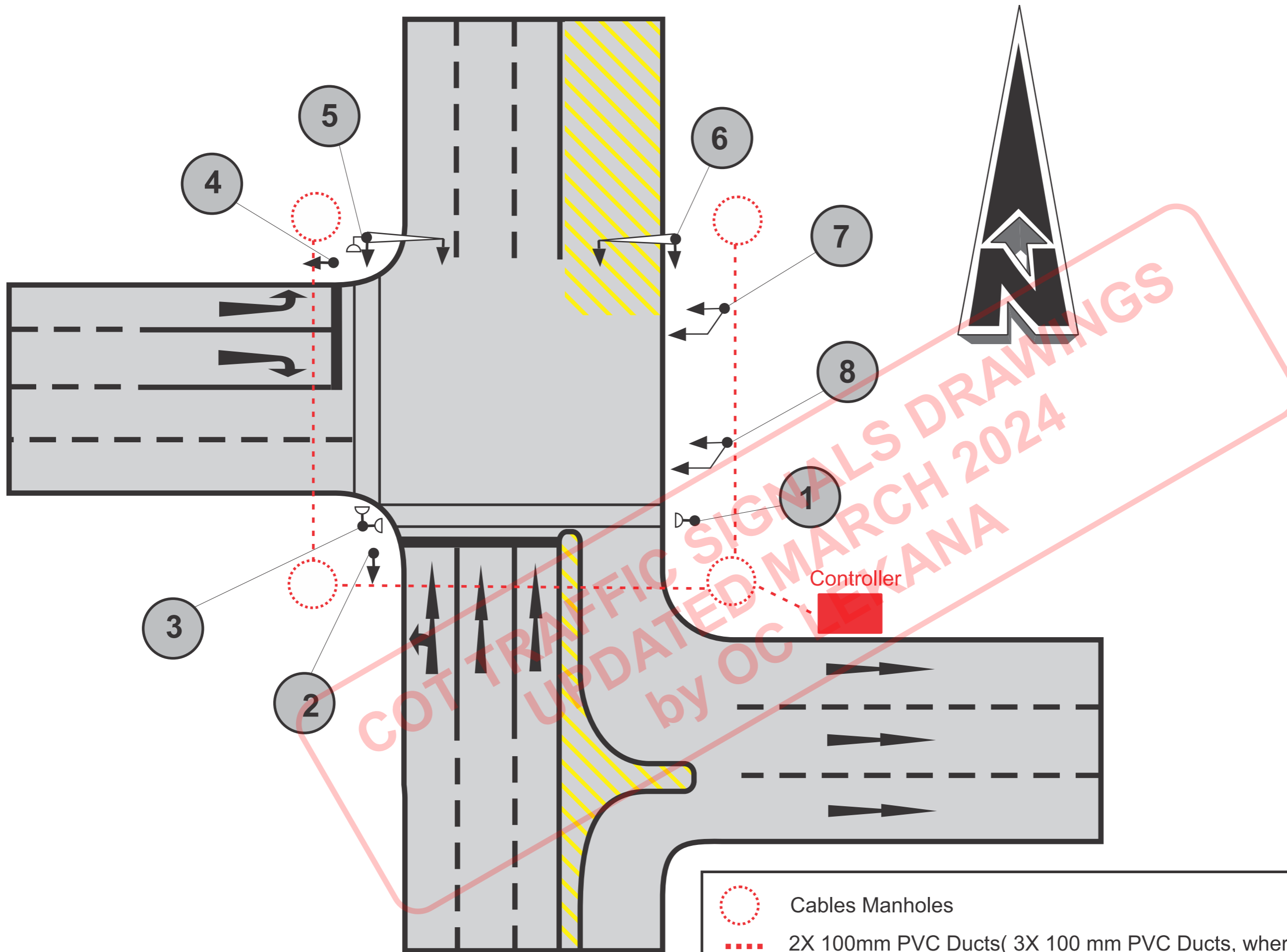
20 mm Ø	25 mm Ø
1.5 mm Cable	16 mm Cable

POLE N#




1	Brown	Purple		DØ			
2	Red	Yellow	Blue(Green)	AØ			
3	Red	Blue		CØ	Brown	Purple	DØ
4	Red	Yellow	Blue	BØ			
5	Red	Yellow	Blue	AØ	Brown	Purple	CØ
6	Red	Yellow	Blue	AØ			
7	Red	Yellow	Blue	BØ			
8	Red	Yellow	Blue	BØ			

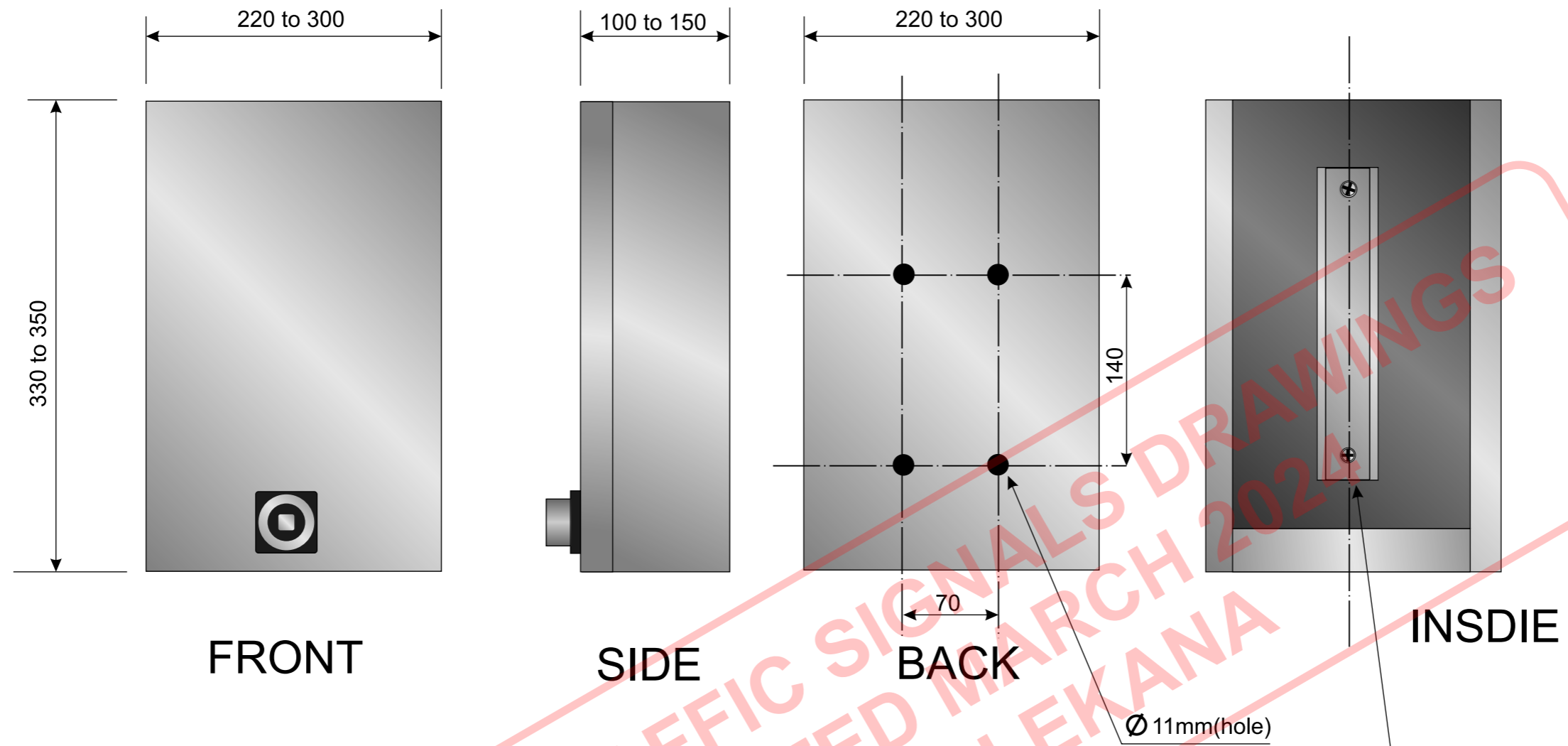
Optional Cable Info: Clour Codes Depends with the Manufactures		
Brown	Purple	Pedestrian & Arrow Ø
Brown	White	Pedestrian & Arrow Ø

COPY TRAFFIC SIGNALS DRAWINGS
UPDATED MARCH 2024
by OC LEKANA



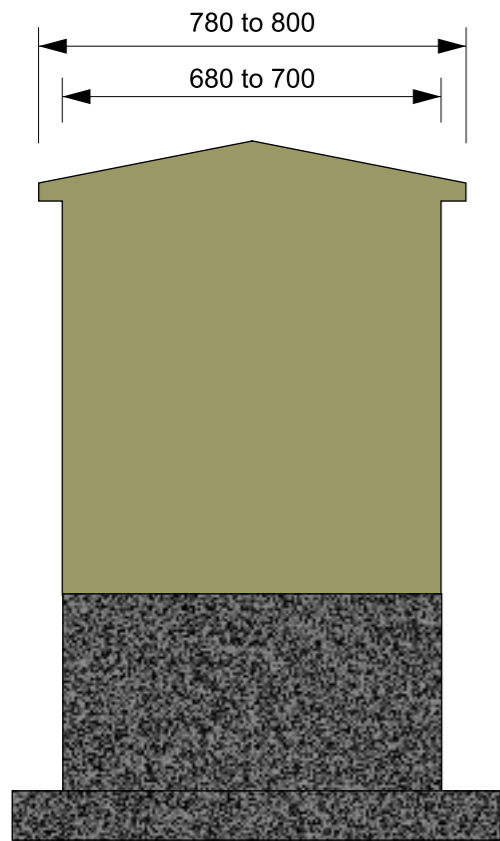
INTERSECTION POLE NUMBERING

Legend	
	Cables Manholes
	2X 100mm PVC Ducts(3X 100 mm PVC Ducts, where Camera is Used)
	Pole Numbering

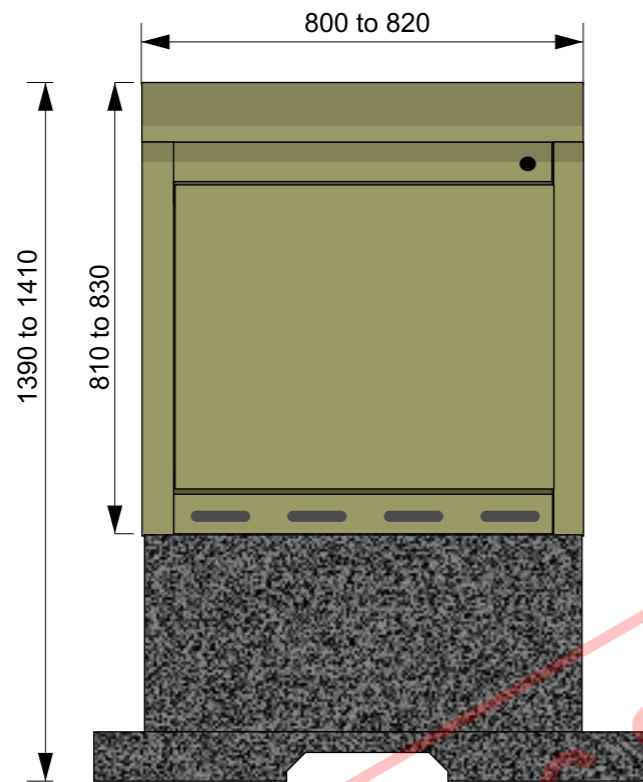


COT TRAFFIC SIGNALS DRAWINGS
 UPDATED MARCH 2024
 by OC LEKANA

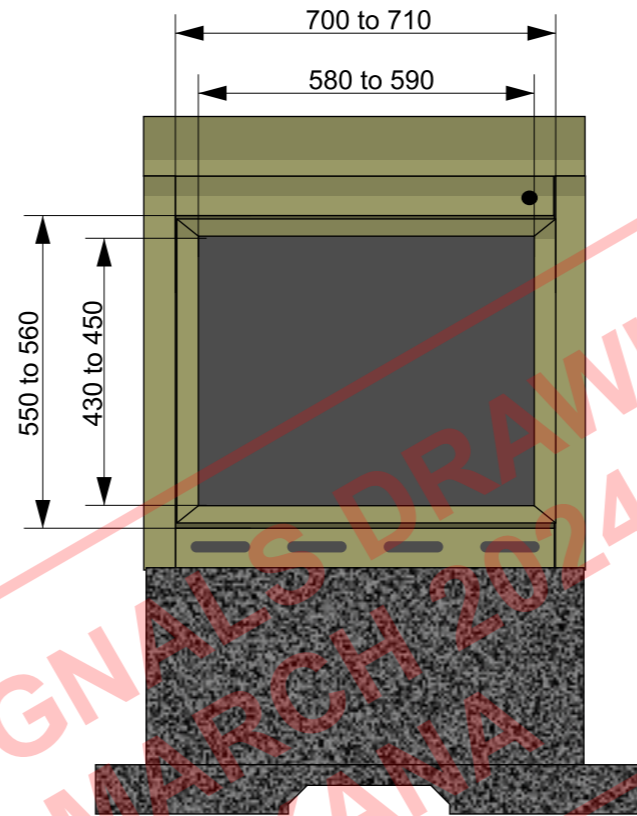
35mm DIN rail
 Cut to 195mm length
 and fixed to the inside backwall
 of a box



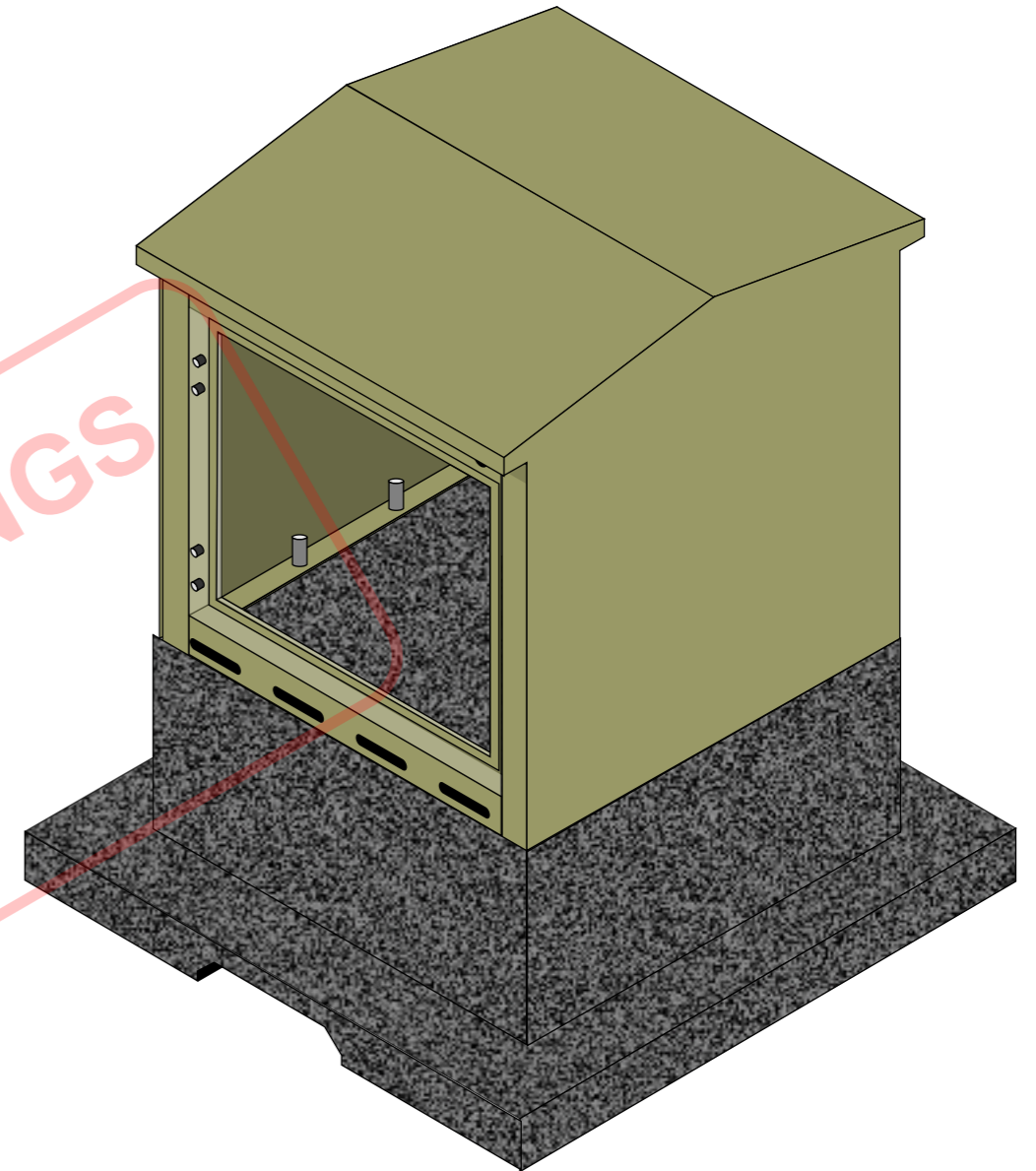
SIDE VIEW



FRONT VIEW



FRONT VIEW
(DOOR OPEN)

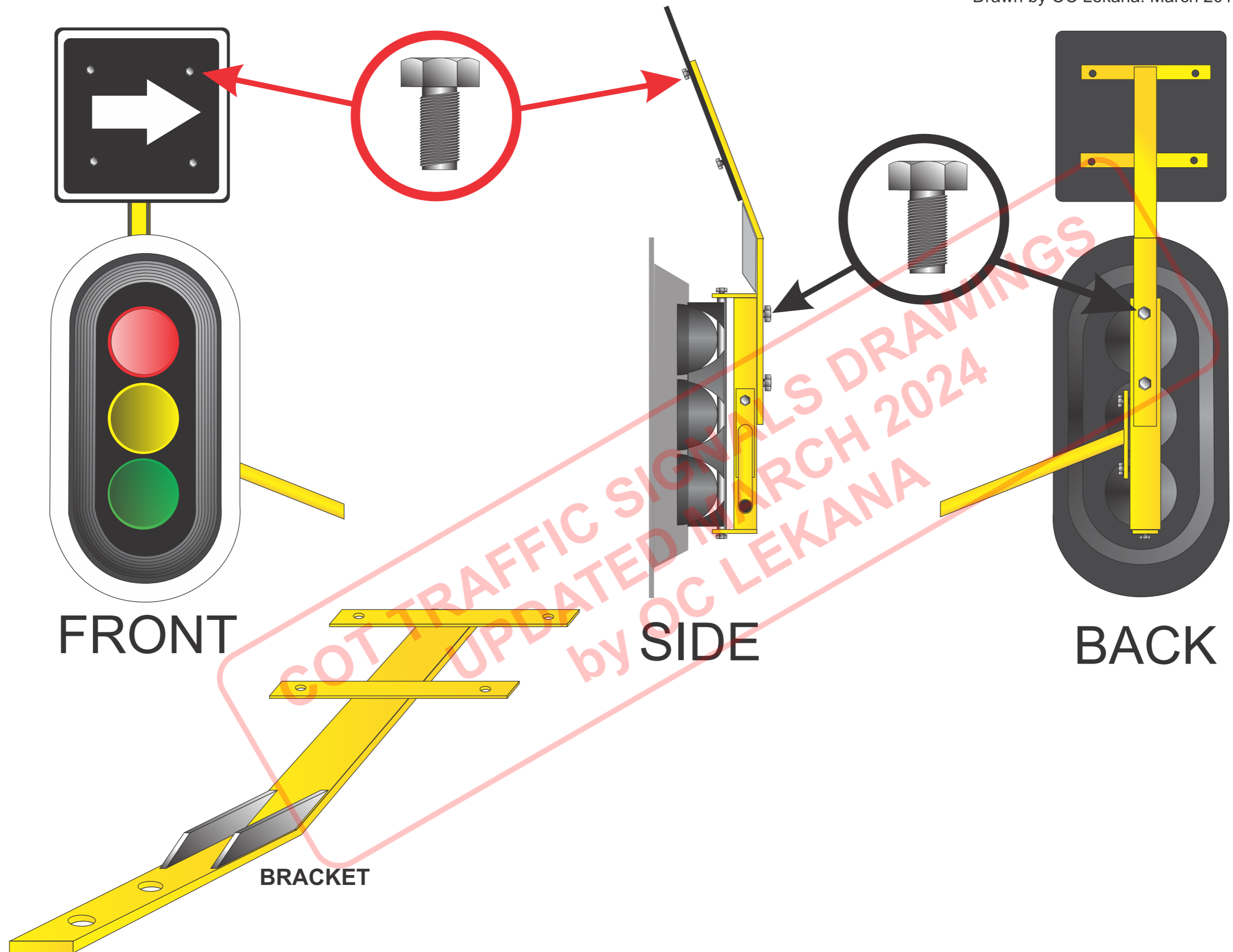


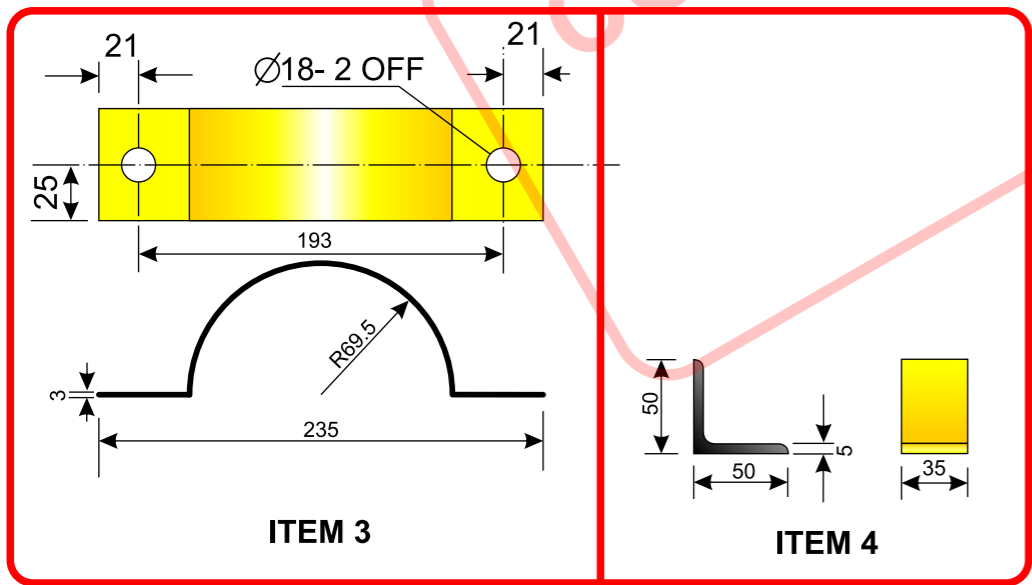
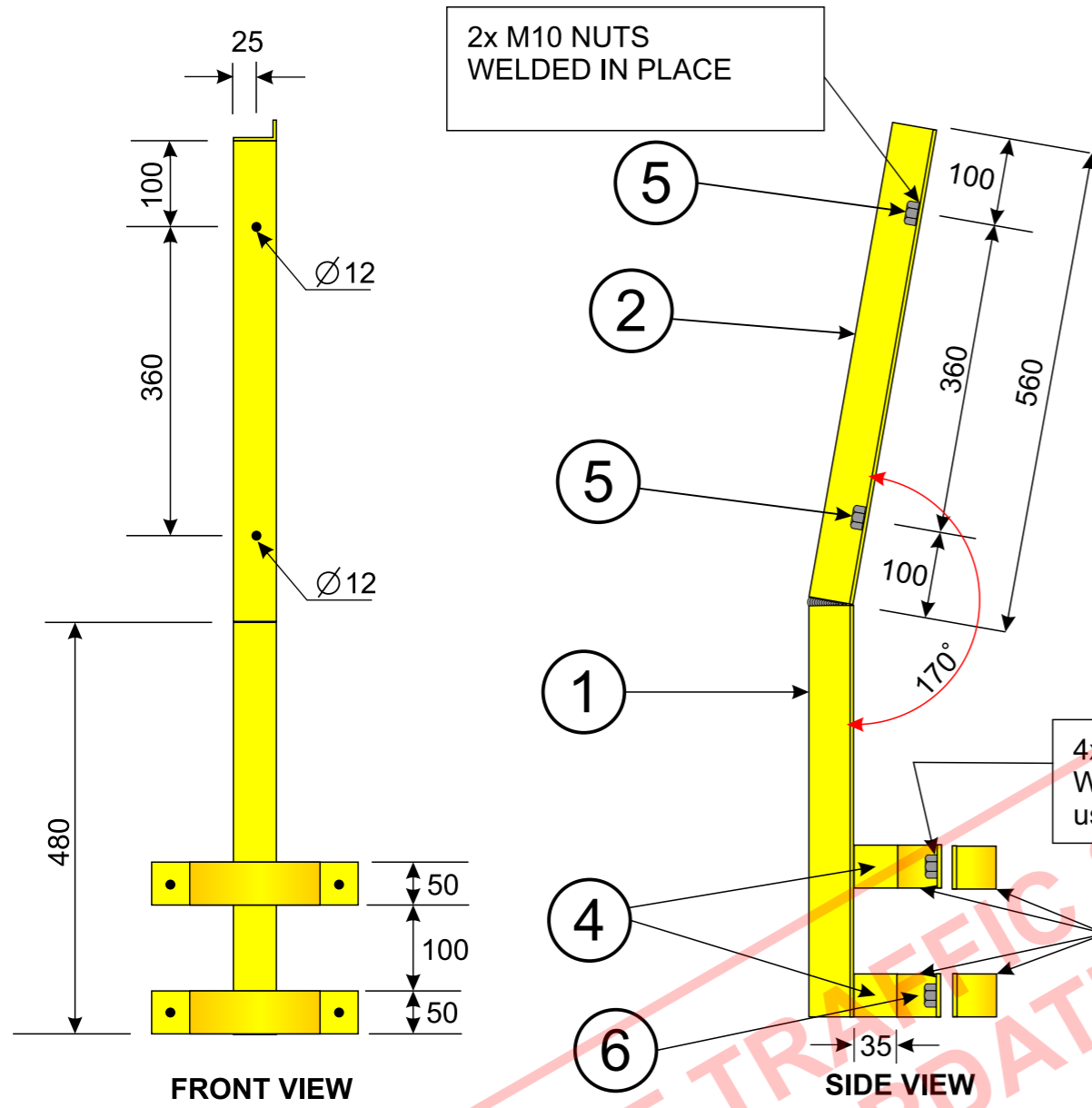
ANTIVANDAL BOX FOR TRAFFIC CONTROLLER

COT TRAFFIC SIGN
UPDATED MARCH 2024
BY OC LEKANA

CONCEPT LAYOUT FOR FIXING AN ST SIGN ON A CANTILEVER SIGNAL HEAD

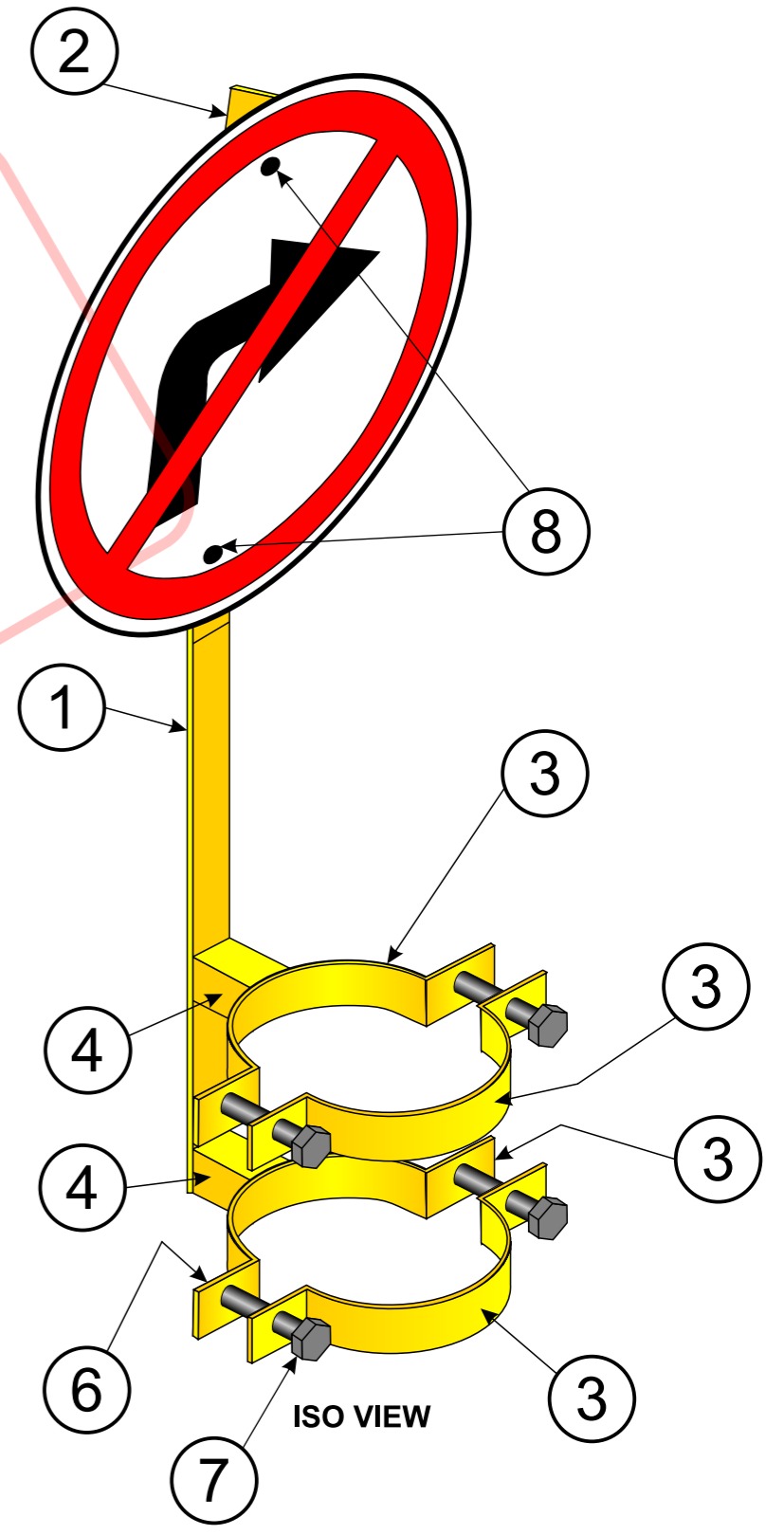
Drawn by OC Lekana: March 2015





ITEM	Description	Dimension
1	Angle Iron	50 x 50 x 5
2	Angle Iron	50 x 50 x 5
3	Clamp(made from Flat Bar)	50 x 3
4	Spacer(made from Angle Iron)	50 x 50 x 5
5	Hex Nut	M10
6	Hex Nut	M16
7	Hex Head Set Screw	M16 x 65
8	Hex Head Set Screw	M10 x 30

SIGN BRACKET FOR STANDARD POLE & TOTEM POLE



COT TRAFFIC SIGNALS DRAWINGS
UPDATED MARCH 2024
by OC LEKANA