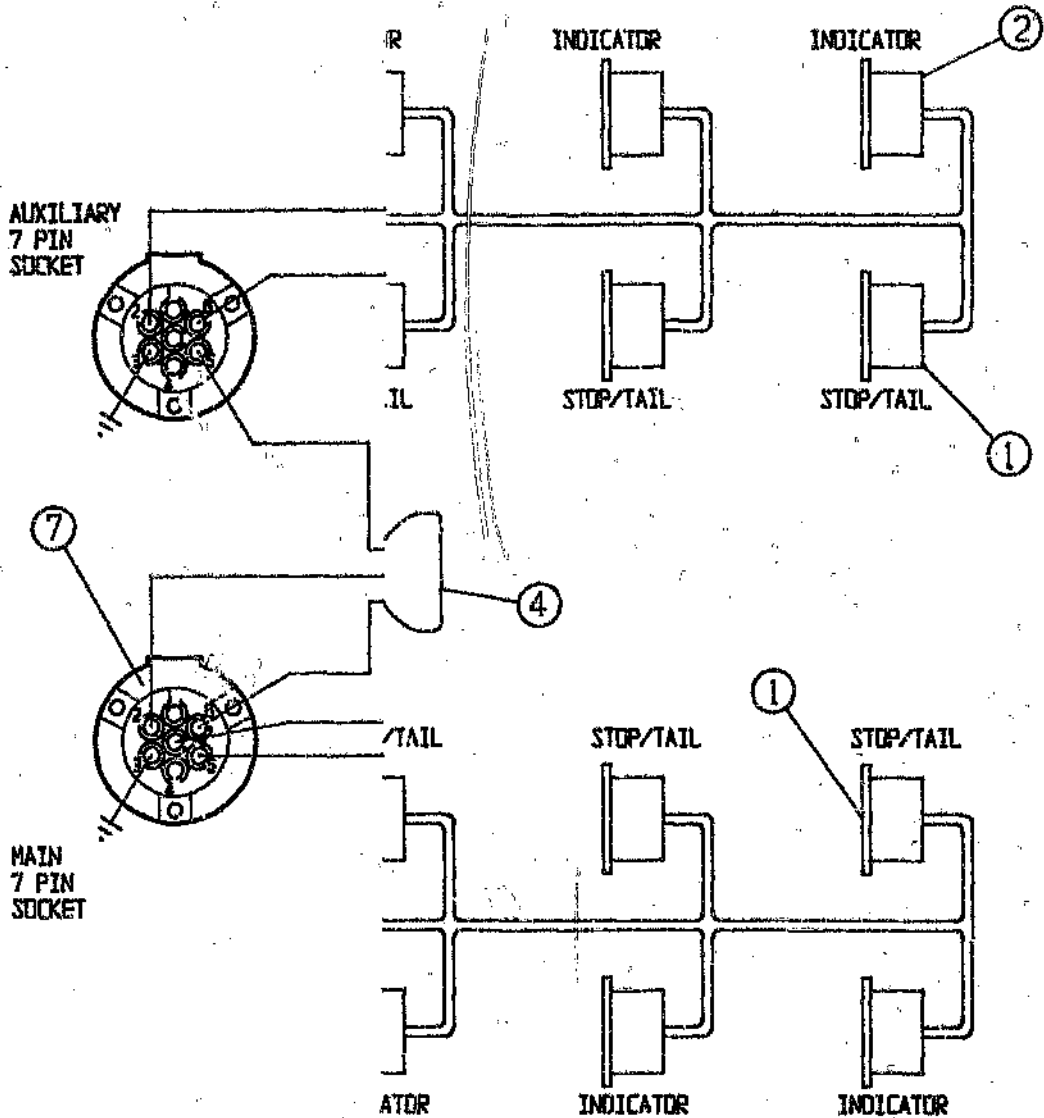


AUX. PLUG CONTACT No	MAIN HARNESS CABLE COLOUR	L.H. HARNESS CABLE COLOUR	R.H. HARNESS CABLE COLOUR
---	RED	---	---
---	BLACK	---	---
---	BLUE	RED	RED
---	YELLOW	RED	RED
2	GREEN	---	---
6	BROWN	---	---
5	WHITE	---	---
---	---	BLACK	BLACK
3	---	---	---

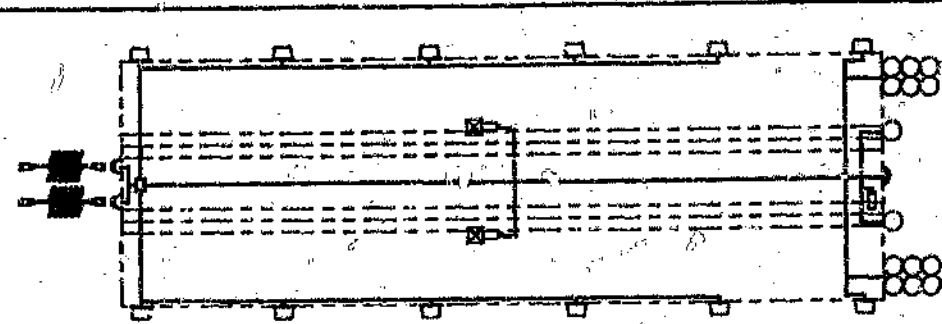
ROUTING OF



9	2 CORE CABLE (1.6mm SQ WIRE)
8	7 - WAY CONNECTOR BLOCK
7	METAL 7 - PIN SOCKET
6	REVERSE BUZZER (12V)
5	SIDE FLASHER AND MARKER LAMP
4	NUMBER PLATE LIGHT
3	REVERSE LAMP
2	DIRECTION INDICATOR LAMP
1	STOP/TAIL LAMP
ITEM	DESCRIPTION

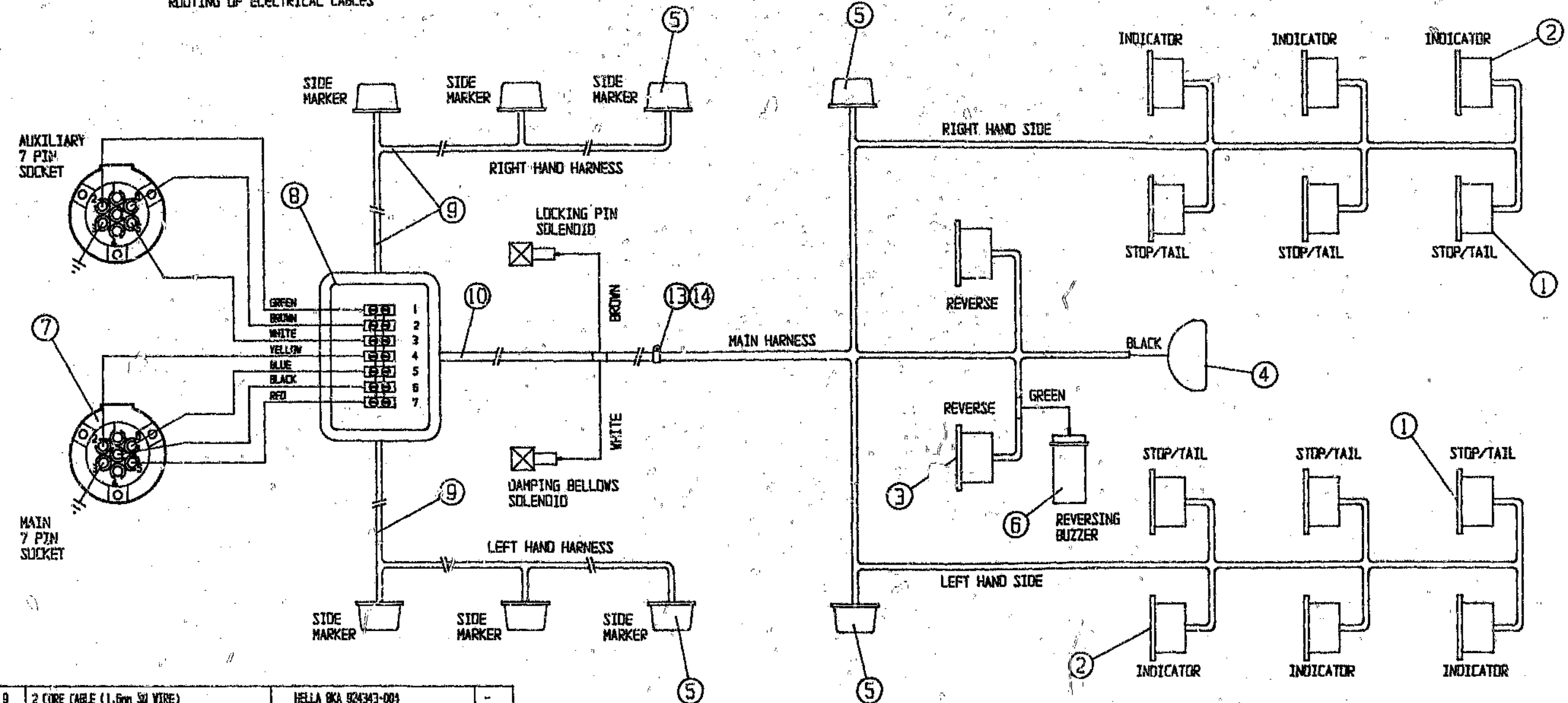
UNIVERSITY OF THE WITWATERSRAND
LIGHTWEIGHT ALUMINIUM SEMI-TRAILER PROJECT

TITLE: **ELECTRICAL LAYOUT** ORG. No: **EL-01**



ROUTING OF ELECTRICAL CABLES

FUNCTION	MAIN PLUG CONTACT No	AUX. PLUG CONTACT No	MAIN HARNESS CABLE COLOUR	L.H. HARNESS CABLE COLOUR	R.H. HARNESS CABLE COLOUR
STOP LIGHT	5	---	RED	---	---
TAIL & NO PLATE	7	---	BLACK	---	---
R.H. INDICATOR	6	---	BLUE	RED	RED
L.H. INDICATOR	2	---	YELLOW	RED	RED
REVERSE LIGHT	---	2	GREEN	---	---
LOCK PIN SOLENOID	---	6	BROWN	---	---
BELLOWS SOLENOID	---	5	WHITE	---	---
SIDE MARKER LIGHT	7	---	---	BLACK	BLACK
RETURN	3	3	---	---	---



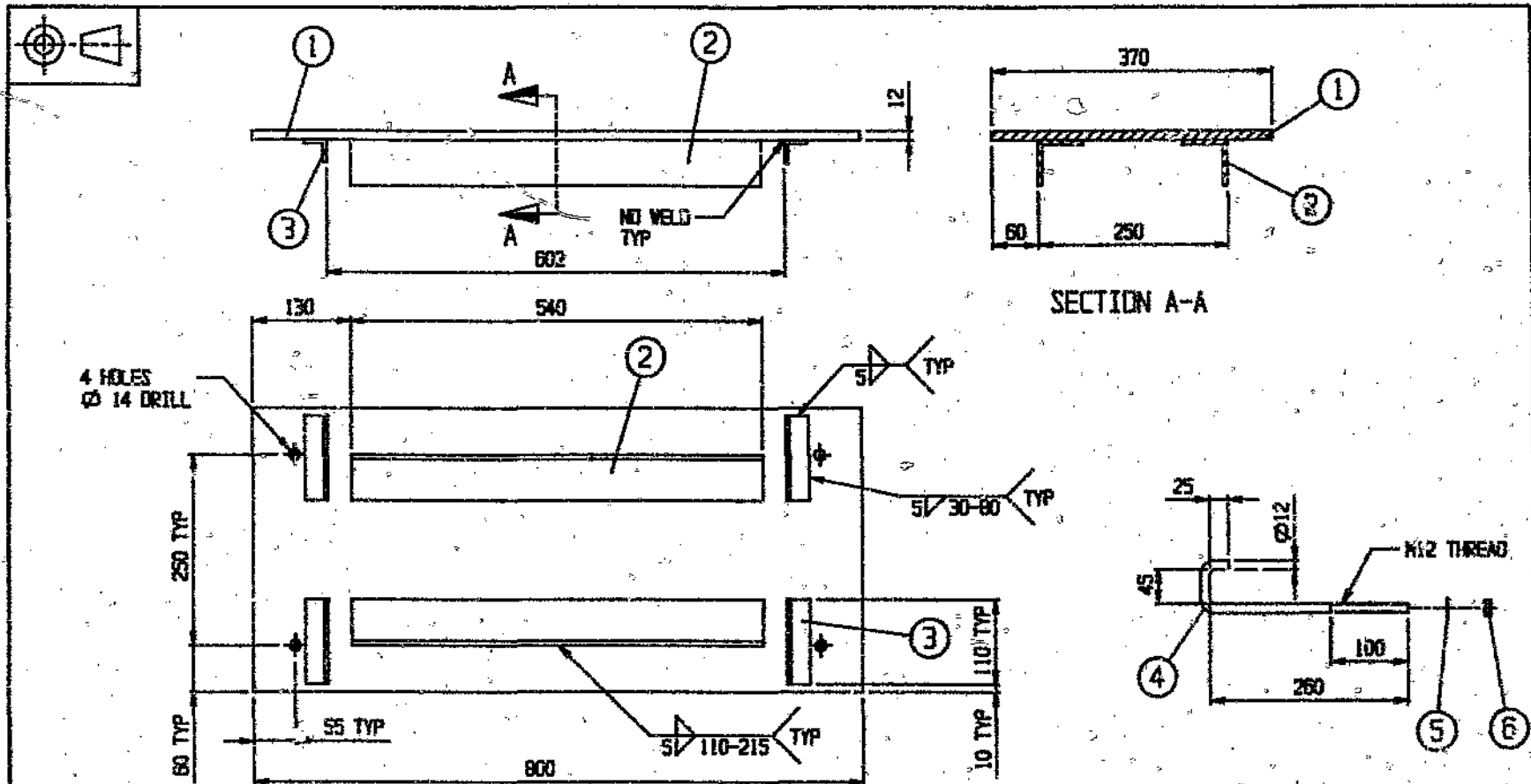
9	2 CORE CABLE (1.6mm SW WIRE)	HELLA 8KA 924343-004	-			
8	7 - WAY CONNECTOR BLOCK	HELLA E 2005	1			
7	METAL 7 - PIN SOCKET	BOSCH 773 S-L	2	16	INSULATED CRIMPING ROUND CONNECTOR	HELLA 8KN 916468-612
6	REVERSE BUZZER (12V)	HELLA B 3800	1	15	INSULATED CRIMPING ROUND PLUG	HELLA 8NK 916437-612
5	SIDE FLASHER AND MARKER LAMP	HELLA BE 1575 AMBER	3	14	Ø4mm ALUMINIUM POP RIVET	-
4	NUMBER PLATE LIGHT	HELLA KA 0207	1	13	P-TYPE CABLE CLIPS	-
3	REVERSE LAMP	HELLA A 9167 CLEAR	2	12	METAL 7 - PIN PLUG	BOSCH 774 P-L
2	DIRECTION INDICATOR LAMP	HELLA BA 9162 AMBER	6	11	7 CORE ELECTRICAL SIZIE (BLACK)	BOSCH BAR 9117
1	STOP/TAIL LAMP	HELLA SB 9167 RED	6	10	7 CORE CABLE (1.6mm SW WIRE)	HELLA 8KA 924351-004
ITEM	DESCRIPTION	PART NUMBER	QTY	ITEM	DESCRIPTION	PART NUMBER

UWtec UNIVERSITY OF THE WITWATERSRAND
LIGHTWEIGHT ALUMINIUM SEMI-TRAILER PROJECT

TITLE: ELECTRICAL LAYOUT

ORG. No: EL-01

MATERIAL: _____
SCALE: _____
DATE: 20-01-84
DRAWN: M. ELSTON



ITEM	DESCRIPTION	MATERIAL	DRG. NUMBER	QTY
6	NUT	M12 HEX NUT (GD 4)	-	4
5	WASHER	M12 HS PLAT WASHER	-	4
4	HOOK BOLT	Ø12 ROUND BAR x 325 LG, BS 970 GD 000 M40 FEMD H	-	4
3	ANGLE	30 x 30 x 5 RSA x 110 LG, BS 4360 GD 43A	-	4
2	ANGLE	60 x 60 x 6 RSA x 540 LG, BS 4360 GD 43A	-	2
1	BASE PLATE	12mm STEEL PLATE 800 x 370, BS 4360 GD 43A	-	1

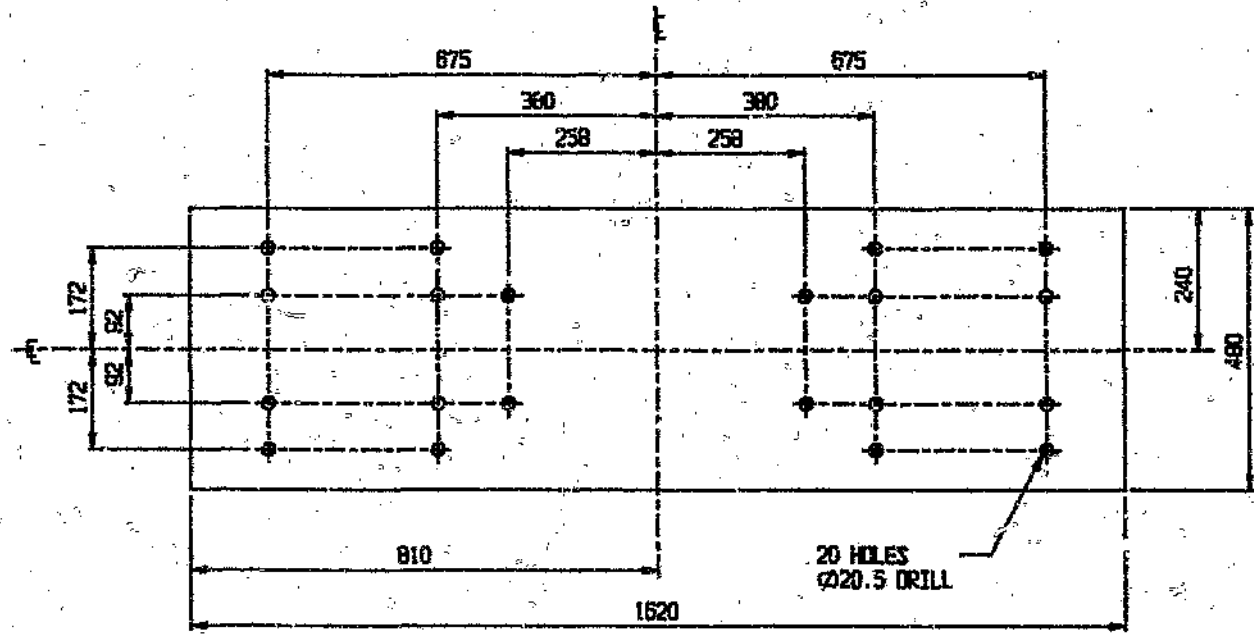
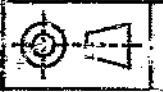
UWtec

MATERIAL:
SCALE: 1:5
DATE: 28-3-84
DRAWN: M. ELSTON

UNIVERSITY OF THE WITWATERSRAND
LIGHTWEIGHT ALUMINIUM SEMI-TRAILER PROJECT

TITLE: DRILLING PLATFORM FOR MAGNETIC BASE PILLAR DRILL

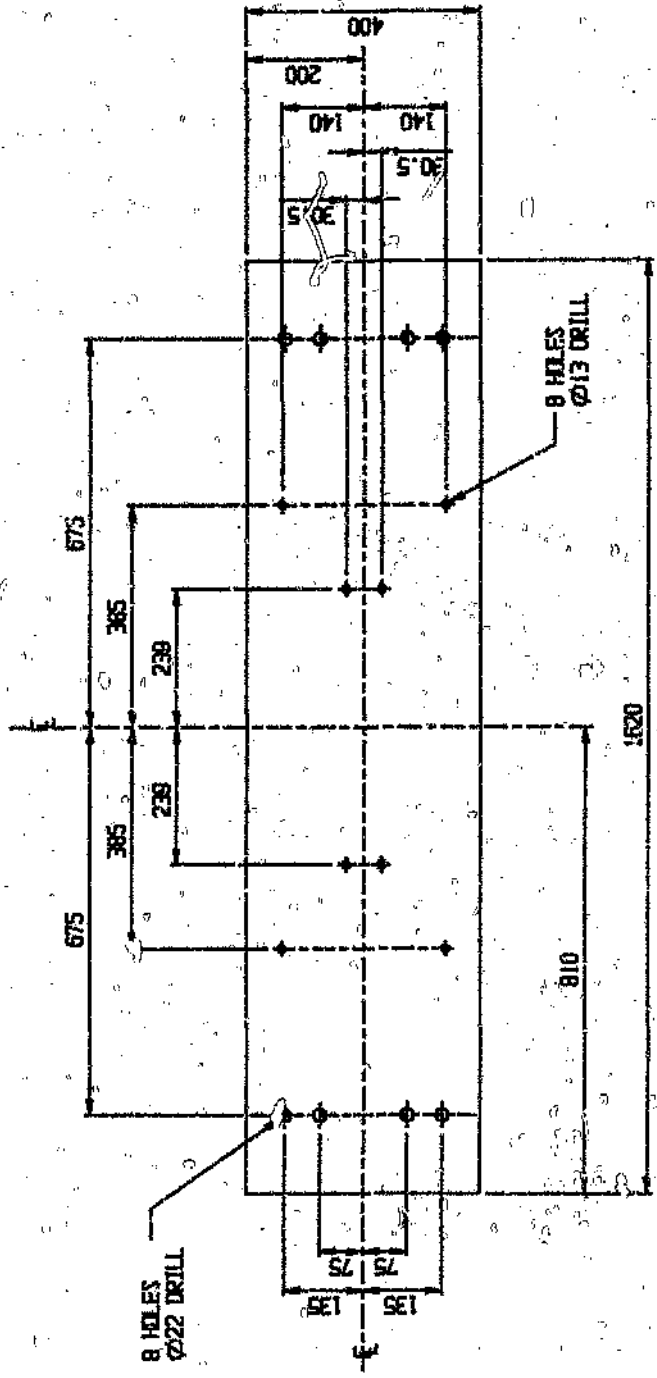
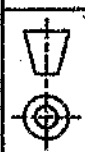
DRS. No: JG-01



MATERIAL: 10mm STEEL PLATE 1620 x 480
BS 4360 GD 43A STEEL.

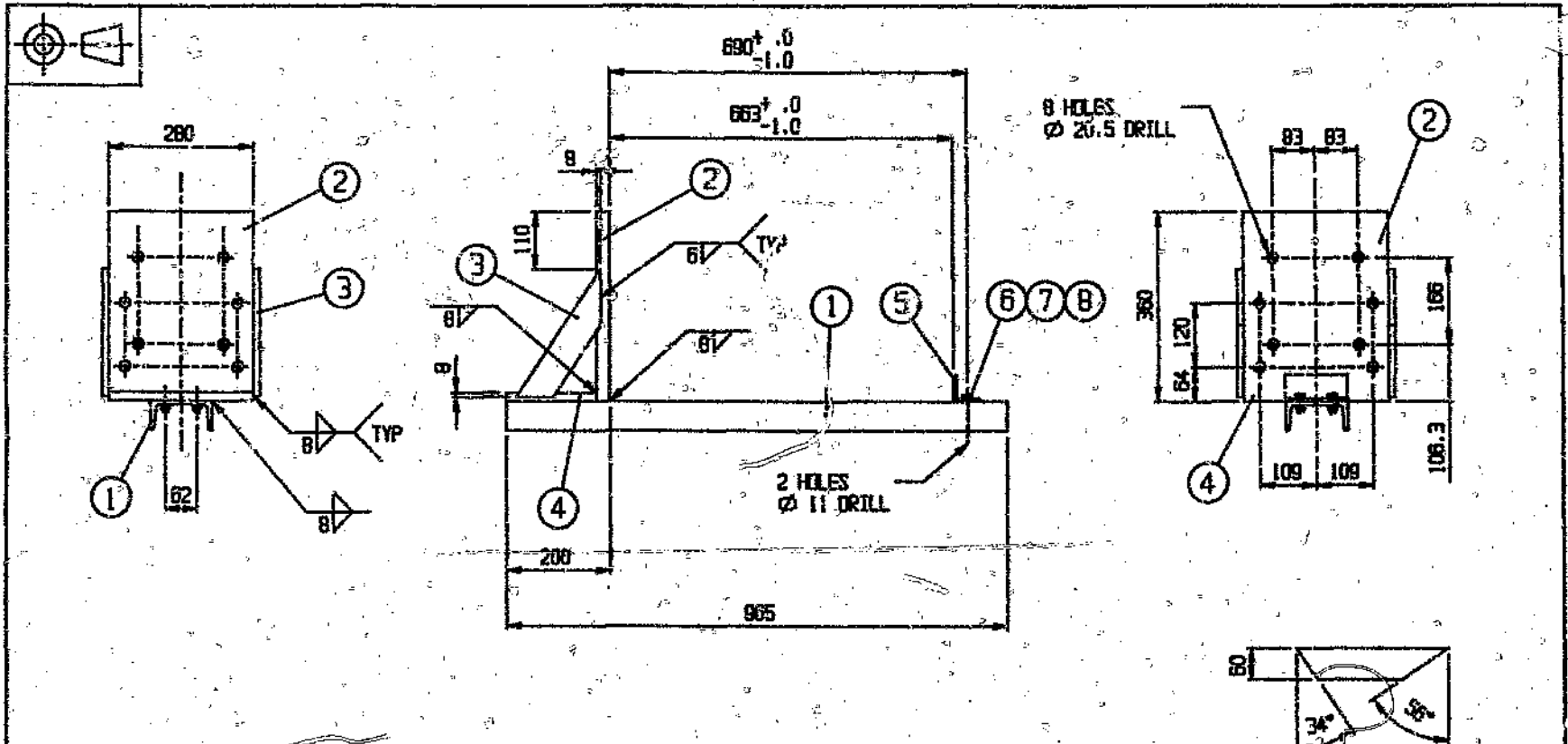
UWtec	UNIVERSITY OF THE WITWATERSRAND	
	LIGHTWEIGHT ALUMINIUM SEMI-TRAILER PROJECT	
MATERIAL:	TITLE:	DRG. No:
SCALE: 1:7.5	SUSPENSION HANGER MOUNTING - WELDING JIG	JG-02
DATE: 08-05-04		
DRAWN: H. ELSTON		

ITEM	DESCRIPTION	MATERIAL	DRG. NUMBER	QTY



MATERIAL: 10mm STEEL PLATE 1620 x 400
 BS 4360 GD 43A STEEL

UNITEC		UNIVERSITY OF THE WITWATERSRAND	
MATERIAL:		TITLE:	
SCALE:	1:7.5	LIGHTWEIGHT ALUMINIUM SEMI-TRAILER PROJECT	
DATE:	09-05-04	SUSPENSION AIR BAG MOUNTING - WELDING JIG	
DRAWN:	M. ELSTON	DRG. No:	
ITEM		JG-03	
DESCRIPTION			
MATERIAL			
DRG. NUMBER			
QTY			



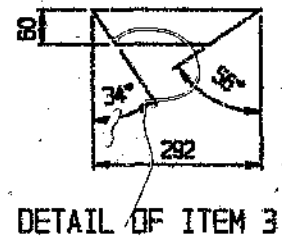
ITEM	DESCRIPTION	MATERIAL	DRG. NUMBER	QTY
8	WASHER	M12 MS FLAT WASHER	-	2
7	NUT	M12 HEX NUT (GD 4)	-	2
6	BOLT	M12 x 25 HEX BOLT (GD 4.B)	-	2
5	ANGLE	50 x 50 x 6 ISA x 120 LG, BS 4360 GD 43A	-	1
4	PLATE	280 x 200 x 16 PLATE, BS 4360 GD 43A	-	1
3	FLAT BAR	60 x 12 FLAT BAR x 292 LG, BS 4360 GD 43A	-	2
2	FLANGE PLATE	280 x 360 x 25 PLATE, BS 4360 GD 43A	-	1
1	CHANNEL	120 x 55 x 13 RSC x 965 LG, BS 4360 GD 43A	-	1

UWtec

MATERIAL: _____
 SCALE: 1:7.5
 DATE: 20-3-84
 DRAWN: M. ELSTON

UNIVERSITY OF THE WITWATERSRAND
 LIGHTWEIGHT ALUMINIUM SEMI-TRAILER PROJECT

TITLE: ASSEMBLY AND WELDING JIG FOR CUTTERS
 DRG. No: JG-04



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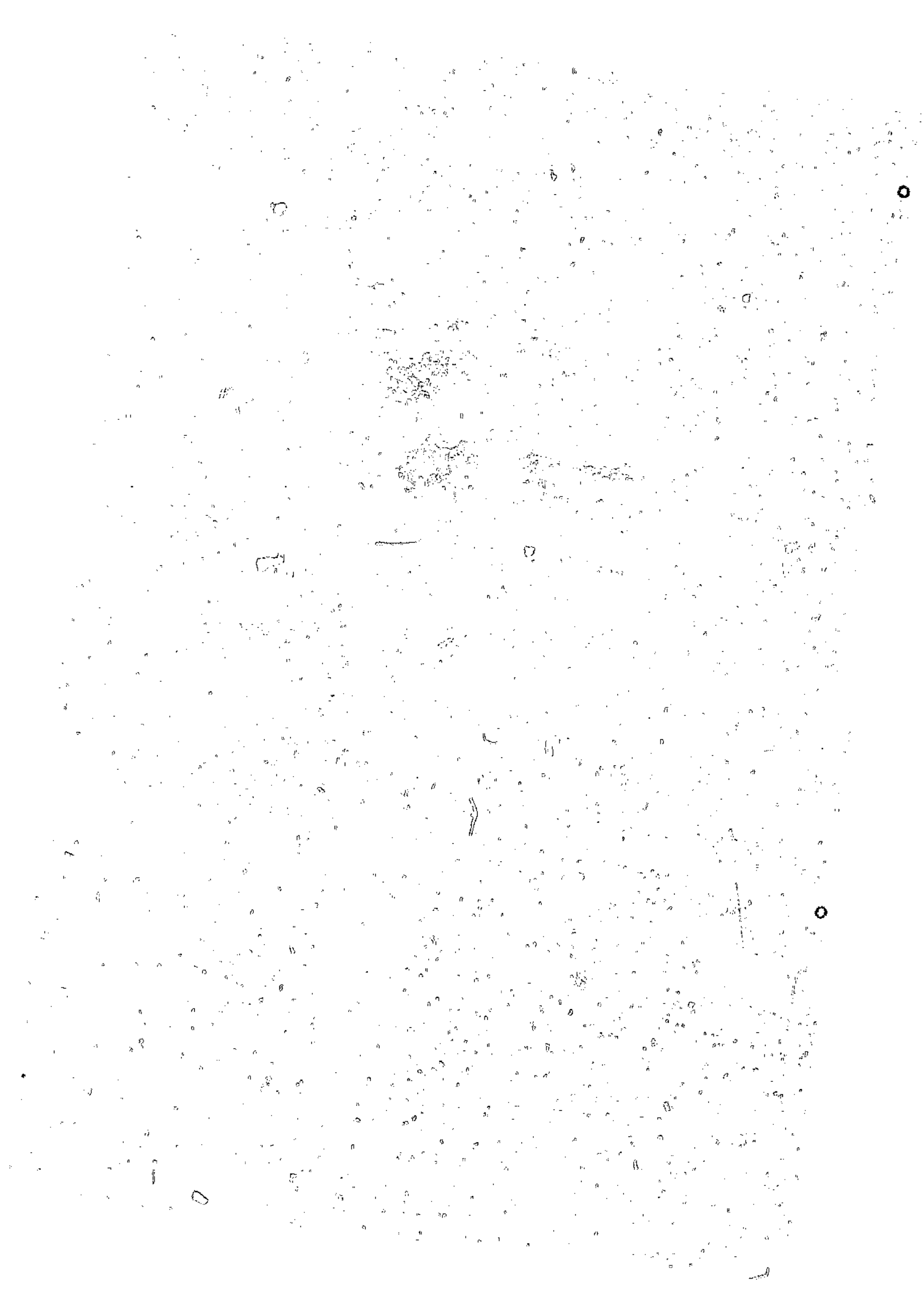
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