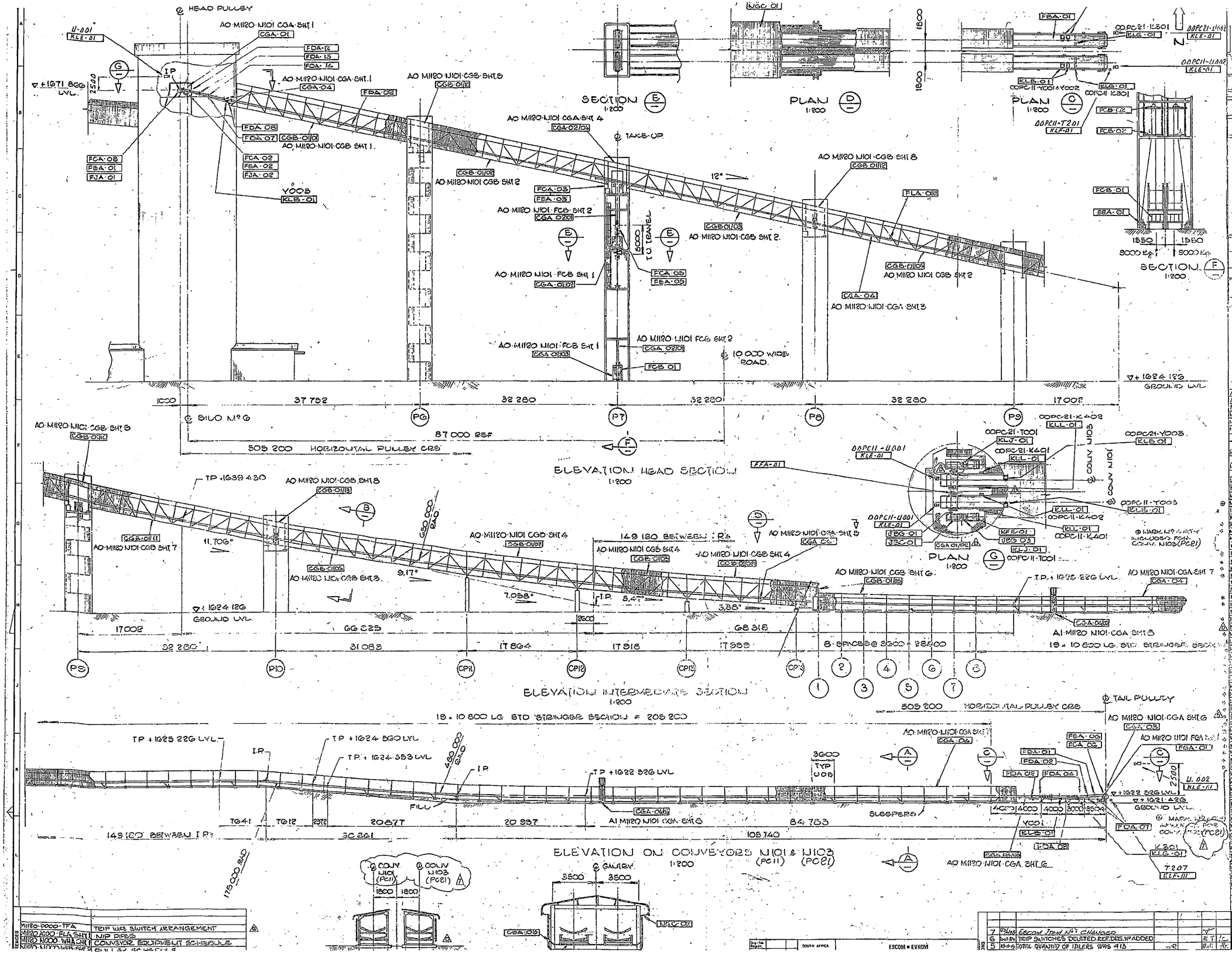

BELT CONVEYOR DATA

CONVEYING MATERIAL	DENSITY	SIZE	ANGLE OF REPOSE
COAL	850 kg/m³	-35 mm	N.A.
DESIGN CAPACITY	**OPERATING CAPACITY**	**BELT SPEED**	**ANGLE OF WRAP**
2500 t/hr	1800 t/hr	2.44 m/sec	210°

COLOUR CODE - ORANGE, BLUE

ITEMS MARKED THUS * NOT SUPPLIED TO THIS DRG.

ALL ITEM N°s PREFIXED M1120 FOR CONV'R N103 SUB ITEM PART, & QTY AS LISTED. BELOW ITEM N° TO BE N103 U.O.N. ⊕

N101	KLF	01	1	FIRE DETECTION SYSTEM
N101	KLF	01	2	START UP WARNING SYSTEM
N101	KLJ	01	2	BELT ALIGNMENT SWITCH
N101	KLJ	01	1	SLIPPAGE CONTROL FAILURE
N101	KLL	01	1	BELT CUT OFF SWITCH
N101	KLE	01	3	UNDERSPEED SWITCHES
N101	CGN	01/01	1	CLOSE CHUTE WARNING
N101	FMA	02	1	BELT SCRAPER - HOT SURFACE (TOP SECTION)
N101	FEA	01	10%⊕	1800 WIDE BELT - STRUCTURE 01 1000
N101	CGA	05	6400	COAL GUARD
N101	CGA	02	1050⊕	QC DECK
N101	CGA	02/04	1	SEND PULLEY FRAME
N101	CGA	02/05	1	TAKE-UP WEIGHT BOX
N101	CGA	02/07	1	TAKE-UP PULLEY FRAME
N101	FBA	02	2	SHEAVE WHEEL ASSY
N101	FCA	02	1	WINCH
N101	MGA	02	460⊕	BIRDS PROOFING
N101	NGC	01	3100⊕	SHEETING C.B GALVANIZED
N101	KPE	01	1	MOTOR 820 kW 3.3kV
N101	JBG	03	1	HIGH SPEED FLUID COUPLER
N101	JBG	01	1	LOW SPEED COUPLING
N101	JBC	01	1	GEARBOX
N101	FLA	N/A	275	PIGTAILS
N101	FLA	01/01	1580⊕	TRIP WIRES
N101	FFA	02	1	BELT SCRAPER SECONDARY HORSON
N101	FFA	01	1	BELT SCRAPER PRIMARY SCORPIO
N101	FGA	01	1	BELT PLOUGH
N101	FFA	01	1	HOLD BACK
N101	CGA	01/02	1)	DRIVE SUPPORT FRAME
N101	FEN	06	2	1800 Ø PLUMMER BLOCK SD 3140
N101	FEA	05	2	1800 Ø PLUMMER BLOCK SD 3140
N101	FEA	03	4	1600 Ø PLUMMER BLOCK SD 3136
N101	FEA	02	2	1250 Ø PLUMMER BLOCK SD 3126
N101	FEA	01	2	1000 Ø PLUMMER BLOCK SD 3120
N101	FCN	15	154	10° 5 ROLL TROUGHING IDLER 127 Ø
N101	FCN	07	5	20° 5 ROLL FLAT IDLER 127 Ø
N101	FCH	14	1	35° 5 ROLL TRANSITION IDLER 127 Ø
N101	FCH	15	1	18° 5 ROLL TRANSITION IDLER 127 Ø
N101	FCH	12	1	10° 5 ROLL TRANSITION IDLER 127 Ø
N101	FCN	04	16	45° 5 ROLL TROUGHING IDLER 127 Ø
N101	FCN	02	4/2	35° 5 ROLL TROUGHING IDLER 127 Ø
N101	FCH	01	1	20° 5 ROLL TRANSITION IDLER 127 Ø
N101	FCB	01	9000⊕	TAKE-UP PUNCHINGS
N101	FCA	08	1	900 DIA HEAD/DRIVE PULLEY (105D LAG)
N101	FCA	06	1	600 DIA TAIL PULLEY (B PLAIN LAG)
N101	FCA	05	1	600 DIA TAKE-UP PULLEY (B PLAIN LAG)
N101	FCA	03	2	600 DIA BEND PULLEY (B PLAIN LAG)
N101	FCA	02	1	600 DIA HEAD SNUB PULLEY (B PLAIN LAG)
N101	CGB	01/12	2	GANTRY INTERMEDIATE STRUTS
N101	CGB	01/11	1	GANTRY
N101	CGB	01/13	2	GANTRY INTERMEDIATE STRUTS
N101	CGB	01/03	1	GANTRY
N101	CGB	01/09	1	GANTRY
N101	CGB	01/07	1	GANTRY
N101	CGB	01/04	1	GANTRY
N101	CGB	01/05	1051	GANTRY
N101	CGB	01/06	1	GANTRY
N101	CGB	01/08	1	GANTRY
N101	CGB	01/10	1	GANTRY
N101	CGA	04	1050⊕	STRUCTURE SECTION
N101	CGA	05	1	STRUCTURE SECTION
N101	CGA	02/03	1050⊕	STRUCTURE SECTION
N101	CGA	01	1	END PEDIMENT

ITEM	TYPE	PART MARK NUMBER	QUANTITY	DESCRIPTION	GENERAL MATERIAL	PART DIMENSIONS	TOTAL MASS kg
N101	CGA	05/01	1	CURVED SECTION FRAME			

ORDERING SCHEDULE FOR SUPPLY TO THIS DRAWING.

M1120-0000-TFA	TRIP WIRE SWITCH ARRANGEMENT	A
M1120-N000-FLA SHT 1	NIP PIPES	
M1120-N000-TWA CHT	CONVEYOR EQUIPMENT SCHEDULE	

7	93/06/08	ESCOM ITEM N°3 CHANGES	
6	93/04/27	TRIP SWITCHES DELETED, REF DRG N° ADDED	
5	93/04/15	TOTAL QUANTITY OF IDLERS WAS 413	

APPROVED	DATE	NAME
DES.	DATE	SIGN
MECH.	93-04-01	
ELECT.	App'd	
INSTR.		
CIVIL		

EDWARD L. BATEMAN LTD ENGINEERS P.O. BOX 555, ROKSBURG SOUTH AFRICA.

TUTUKA POWER STATION

SCALE 1:200

DRAWING NUMBER 0161/10154 SHT 1