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The implementation of the "Just-in-Time" manufacturing philosophy into the South African furniture industry

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LAYOUT AS AT FEBRUARY 1987 DIAGRAM KEY CONT.

K1	Display Clamp	P81	Buffer
K2	Display Clamp	P82	Conveyor
K3	Stool Clamp	P83	Ultra Violet Drier
K4	Stool Clamp	P85	Rollercoater
K5	Robe Clamp	P81	Rollercoater
K6	Carcass Clamp		
K7	Cabinet Clamp		
K12	Drawer Clamp		
K13	Drawer Clamp		

APPENDIX F PROPOSED GT PLANT LAYOUT

PROPOSED GT/JIT LAYOUT.



SECURITY
COMPRESSOR HOUSE
OFFICE
DESPATCH
STORE
Q.C. OFFICE
MAURICE AZZIE
EXPANSION SPACE
TRAINING CENTRE
STORE
WORKSHOP
OFFICE
UPHOLSTERY
OFFICE
OFFICE
TEA ROOM
FITTINGS STORE
TOILETS
TOILETS
SCALE 1:125
0 2 4 6 8 10 12 14 16 meters
SHOWPIECES
BEDROOM SUITES
CABINET AND DESK/TABLE ASSEMBLY
BOARD BREAKOUT
DOWELLING
DRILLING
VENEERING
ULTRA-VIOLET LINE
THICKNESSING
PRESSBOARD AND VENEER STORE
WARDROBES
ROUTING
VENEER PREPERATION
KIST CARCASS FABRICATION
KIST FINAL ASSEMBLY
TEMPORY W.I.P. STORE
CARCASS SANDING
KIST ASSEMBLY
OFFCUT CONTROL
POLISHING
SOLID BREAKOUT
SUPPORTS
LEG WHAPING
POLISHING
OVEN
SANDING
FLOWCOATING
OVEN
SANDING
STAINING
POLISHING

SYMBOL KEY

- Work in progress
- Conveyors
- Roll up doors
- Finished goods
- Kanban trolleys
- Display boards
- P Polishing equipment
- T Tables
- C Clamps
- M Machines
- R Roll up doors
- W Spray shop
- Staining

SOLID WOOD STORE

→ BOARD PRODUCTS

→ SOLID PRODUCTS.

PROPOSED GT LAYOUT - DIAGRAM KEY.

(MACHINES - M)

M1	Boardsaw	M30	Auto Shaper
M2	Glue Spreader	M31	Multi-drill
M3	Veneer Press	M32	Vertical Belt Sander
M4	Trim Spindle	M33	Bobbin Sander
M5	Multi-drill	M34	Veneer Guillotine
M6	Dowel Inserter	M35	Veneer Stitcher
M7	Edging Machine	M36	Veneer Joiner
M8	Edging Machine	M37	Moulder
M9	Dowel Cutter	M38	Drill Press
M10	Thicknesser	M39	Table Saw
M11	Thicknesser	M40	Boardsaw
M12	Auto Router	M41	Bandsaw
M13	Dual Belt Sander	M42	Multidrill
M14	Six Cutter	M43	Spindle
M15	Surfacer	M44	Dowel Inserter
M16	Double Crosscut	M45	Double Crosscut Saw
M17	Dovetailer	M46	Edging Machine
M18	Carcass Clamp	M47	Spindle
M19	Horizontal Belt Sander	M48	Bobbin Sander
M20	Surfacer	M49	Drum Sander
M21	Dovetailer	M50	Moulder
M22	Carcass clamp	M51	Double Crosscut Saw
M23	Vertical Belt Sander	M52	Drill Press
M24	Vertical Belt Sander	M53	Pipe Cutter
M25	Single Crosscut Saw	M54	Grinder
M26	Multi-drill	M55	Grinder
M28	Spindle	M56	Blade Sharpener
M29	Vertical Belt Sander	M57	Disc Sander

DIAGRAM KEY CONT.

(CLAMPS - K & POLISHING EQUIPMENT - P)

K1	Frequency Press	P1	Thicknesser
K2	Frequency Press	P2	Roller Coater
K3	Vertical Kist Clamp	P3	Buffer
K4	Display Press	P4	Roller Coater
K5	Display Press	P5	Ultra-Violet Drier
K6	Cabinet Press	P6	Buffer
K7	Table Press	P7	Conveyor
K8	Stool Press		
K9	Pedestal Press		
K10	Stool Press		
K11	Drawer Press		
K12	Robe Press		
K13	Robe Press		

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