

Asset Cataloguing Notes

Client Name:	Civil & Power Generation Projects (Pty) Ltd ("CPGP")
Site:	No 240 Karri Road Agricultural Holdings (AH) Benoni 1509
LOT Number:	TBA
Date:	03/07/2025
Asset Description: IBR Roof Sheeting Roll Forming Machine Manufacturer/Distributor: Metalforming Technology SA Function: This machine is specifically designed for the continuous production of IBR (Inverted Box Rib) profile roof sheeting, a widely used type of corrugated metal roofing. Mechanism: The core mechanism involves progressively shaping flat metal coils into the distinct IBR profile. This is achieved through a series of 25 forming stands, each equipped with rollers and dies that gradually transform the metal. The extended line of rollers, as visually evident, facilitates this continuous and precise shaping process. Components: Key components include the numerous forming rollers responsible for creating the IBR profile, and the robust overall structure engineered for high-volume, continuous production of roofing sheets. The system integrates a decoiling feeder system, complete with a gantry crane for efficient loading of steel coils from the primary decoiler to the coil feeder. Two 6-meter long feed-out roller tables are also included for managing the finished sheets. Control System: The machine features an automated control system, powered hydraulically via a dedicated power pack. This system enables several critical functions: Cutting Capability: A hydraulically powered guillotine allows for precise cutting of sheets with thicknesses ranging from 0.1mm to 1mm and widths up to 1175mm (890mm effective width). Length Control: The machine can cut sheets to any user-defined length, offering significant flexibility in production. Directional Control: It includes a forward and reverse function for operational versatility. Speed Control: A variable speed setting allows for optimization of production rates based on material and desired output. Power Requirement: The machine operates on a 380VAC power supply.	

Onsite Location: Workshop

Additional Comments and Features: