



Stage Loader Volumetric Calculations

Both AFC & SL VFD at 100% speed
Peak Volumetric Output of AFC = 1400 Tonnes/hr
 Material Density (Broken) = 1.00 t/m³
 SL Chain Speed = 2.08m/sec (19.95:1)
 Peak Volumetric output of AFC @ 1400 tons/hr = 1400m³/hr
 Recommendation Capacity reserve factor >1.3

Stack up height c/w Joy Matilda	Available volumetric Stageloader capacity (m ³ /hr) 'A'	Volumetric capacity off AFC (m ³ /hr) 'C'	Capacity Reserve factor A/C
Beam Section	2,269	1,400	1.62

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	SNSG				PROTECT TREATMENT FABRICATION TOL'S MQR-045 MACHINING TOL'S MQR-045 FINISH SPEC MANUFACTURING SPEC MQR-045 WELDING SPEC MQR-045 HEAT TREATMENT HARDNESS	MATERIAL CODE ESTIMATED WEIGHT PLATE INDICATOR REPLACED BY SIMILAR TO	WEIGHT UNITS kg ** S	CHANGE NO. 1282211 DRAWN BY BW CAD SYSTEM AUTOCAD DATE FEB-18-14 SCALE N/A SHEET 1 OF 1 MACHINE MODEL			