

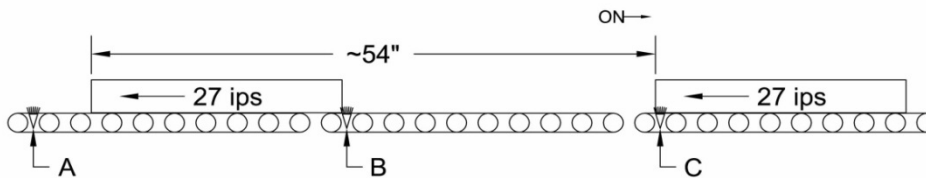
6 Document Revision History

Rev:	Date:	Summary:
1.0	Feb 2014	Original Release.
1.1	May 2016	Eliminate reference to 450 and 560 RPM
1.2	Apr 2018	Add Zone Hold, BMC Conversion & Cable info
1.3	Apr 2018	Add Braking & ZMH and Appendix Information

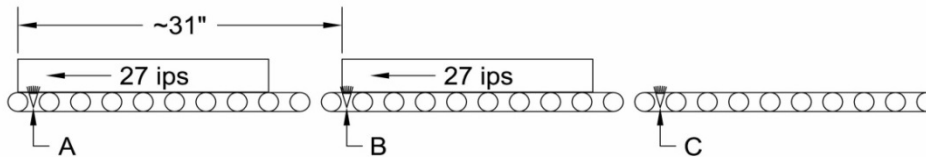
Appendix A

ZPA Mode (Standard Sigulation) compared to ZIP Mode

Assume: 30" zones, 24" parcel, 135 fpm (27 ips)



Std. Singulation: Upstream parcel cannot leave sensor C until downstream parcel is past sensor B. Throughput is ~30 per minute.



ZIP Mode: Upstream parcel leaves sensor B briefly after downstream parcel begins to leave sensor A. Throughput is ~52 per minute. Almost double with no increase in conveyor speed.