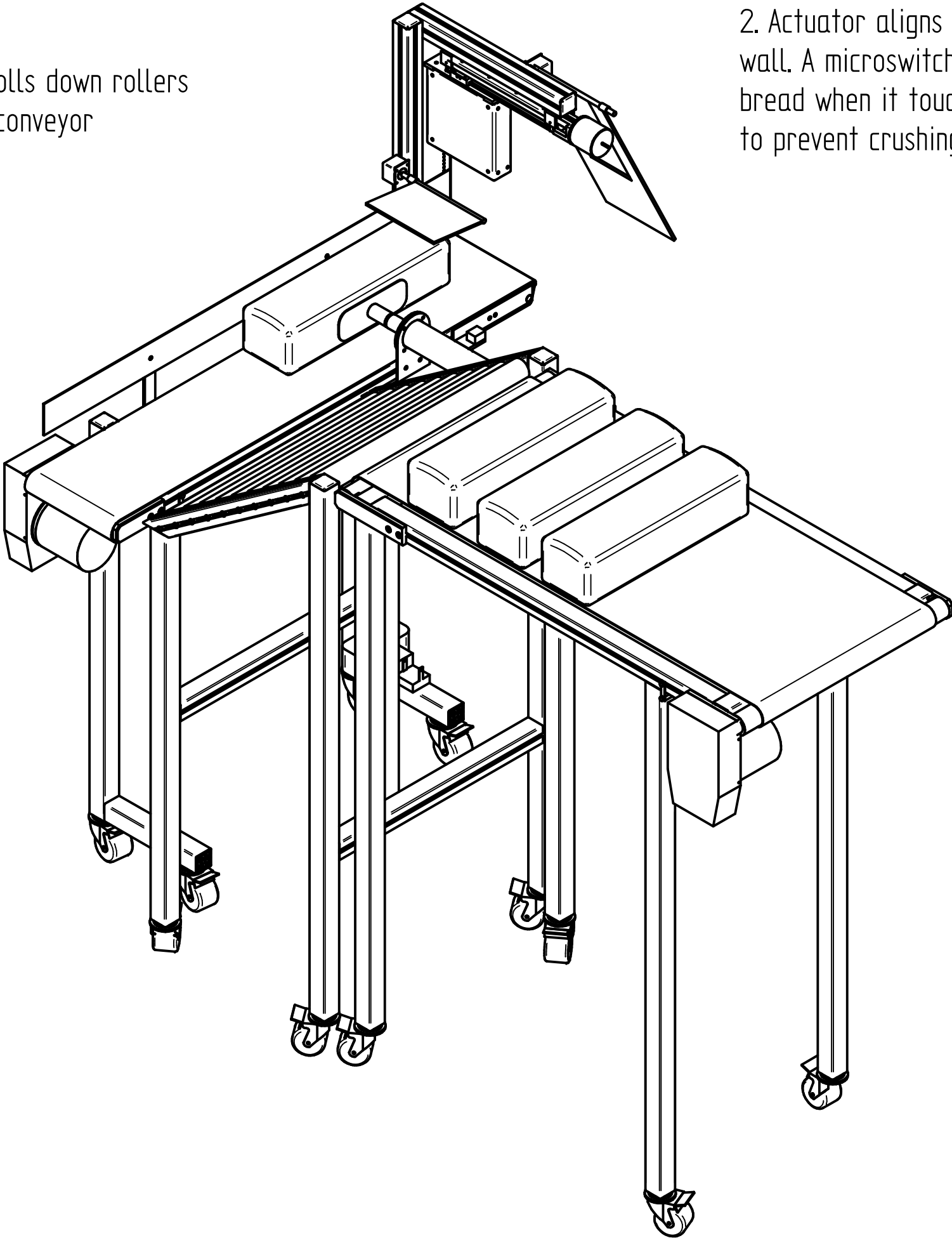


REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED

1. Bread rolls down rollers to second conveyor



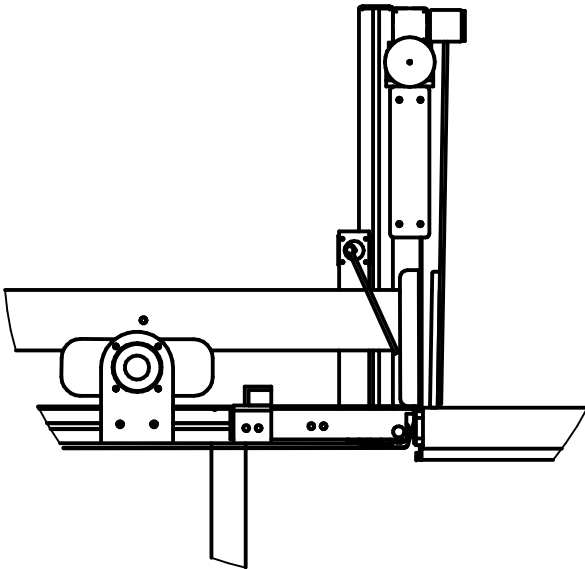
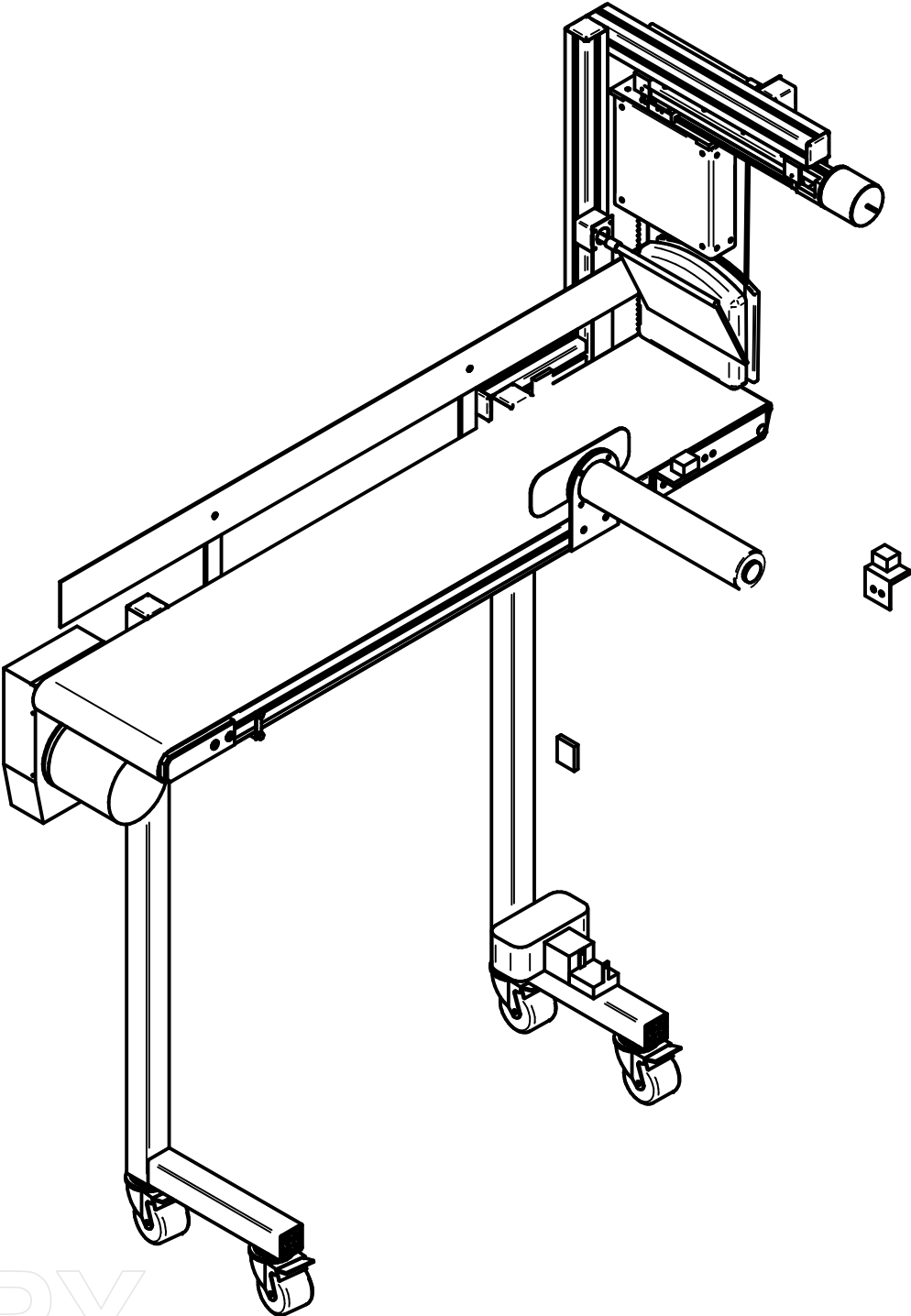
2. Actuator aligns bread with wall. A microswitch stops the bread when it touches the wall to prevent crushing.

3. The time that a light gate's beam is broken and the speed of the conveyor is used to calculate the length of the bread.

4. A plate is lowered to hold the back of the loaf, preventing topling.

5. The blade cuts the bread horizontally, reducing the gap between conveyors as no clearance is required for the blade housing.

6. The slice falls onto a plate and is lowered slowly to the final conveyor.



N.b. Actuators and motors are shown in their extreme positions in the top and right images. The smallest crust size is shown as it is the more problematic case.

SOLID EDGE ACADEMIC COPY

	NAME	DATE	Solid Edge	
DRAWN	Staples	02/28/14		
CHECKED			TITLE	
ENG APPR				
MGR APPR			<div> <div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS ANGLES ±X.X° 2 PL ±XXX 3 PL ±XXXX</div> <div> <div>SIZE A2</div> <div>FILE NAME: conveyor assembly mid loaftest.dft</div> </div> </div>	
SCALE:		WEIGHT:	SHEET 1 OF 1	