



Dryer Terminology

1. Roller Chain

- a. Provides conveyor motion via motor/sprocket drive system

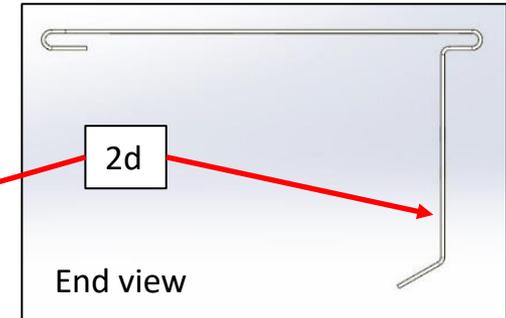
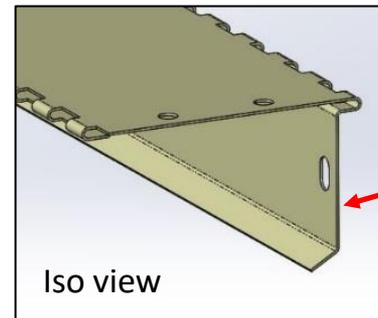
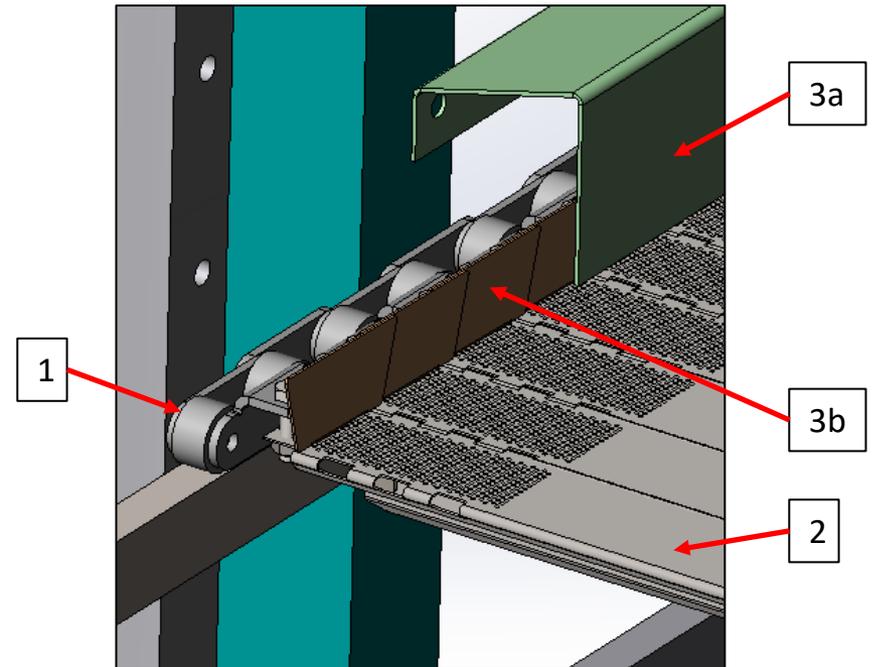
2. Slats

- a. This is the product carrying surface
- b. Attaches to the chain on each side
- c. Also known as: flights, pans, bed plates, aprons
- d. Girt: vertical flange that provides strength
 - Integral: formed from same sheetmetal as slat top
 - Welded: separate part welded to slat top

3. Side product guides

- a. Stationary (SSPG):
 - Provides sideways containment of the product
 - Attached to the frame
- b. Traveling (TSPG):
 - “Shingles” with the SSPG to block airflow/contain product
 - Attached to the slats
- c. Note: configuration varies depending on application

Note: all images are examples and can vary





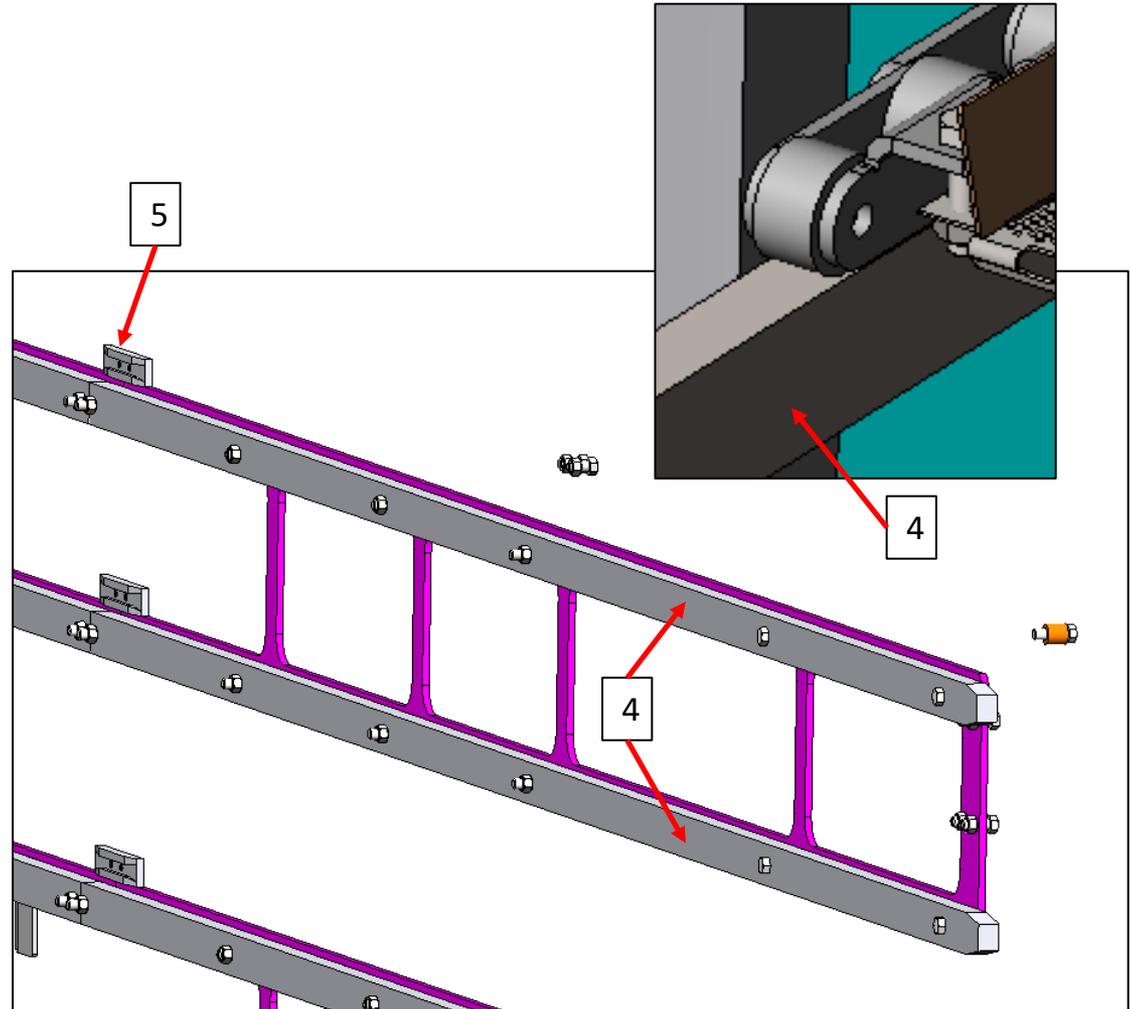
Dryer Terminology

4. Chain rails

- a. Bar (or angle iron) that the chain rollers travel on

5. Chain guides

- a. Provides sideways location of the chain/slat assembly (keeps the chain rollers on the rail)





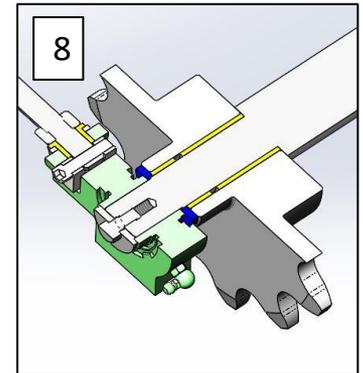
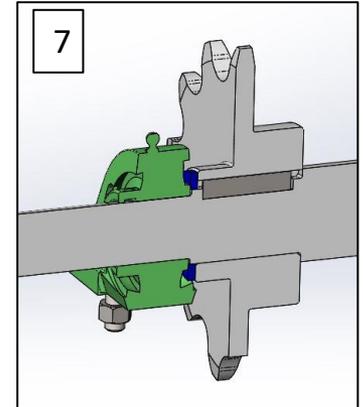
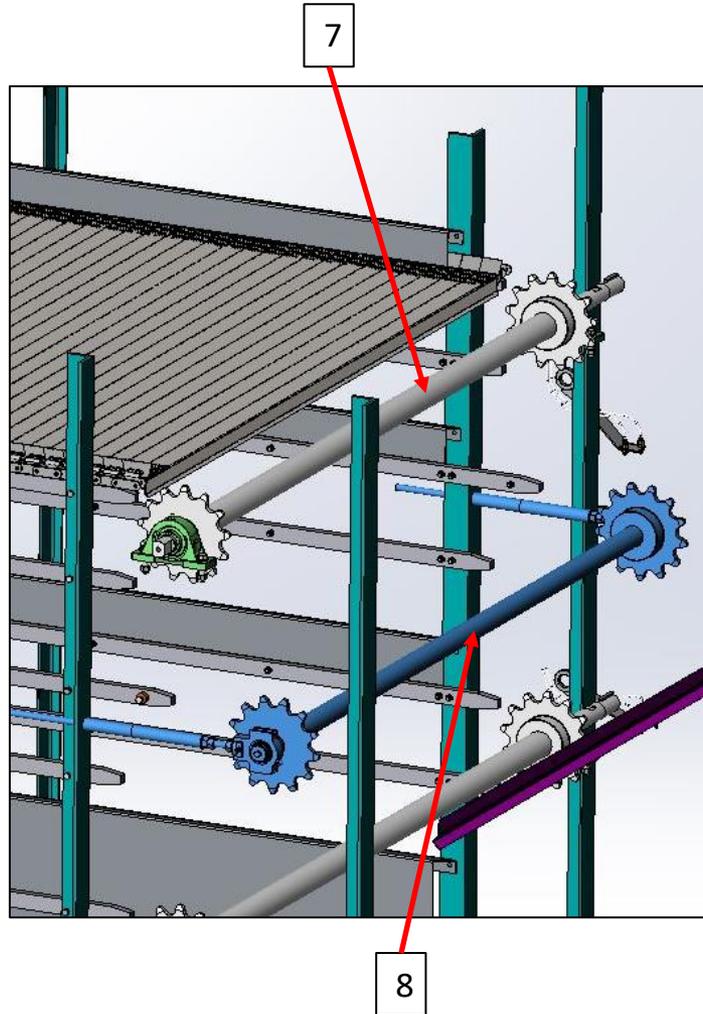
Dryer Terminology

6. Drive shaft

- a. Connected to drive sprockets (ex. keyway) and motor to provide conveyor motion

7. Take-up shaft

- a. Non-drive end of the conveyor
- b. Uses bushings to allow 1 idler sprocket to spin freely
- c. Spring loaded to let the take-up shaft float and provide tension on the conveyor

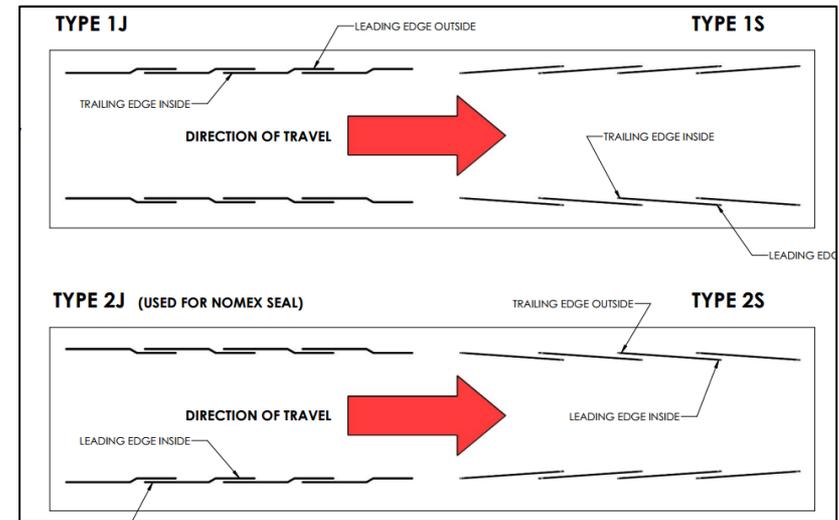




Dryer Terminology

8. Traveling side product guides (TSPG)

- 1J: formed guides, leading edge outside
- 1S: flat guides, leading edge outside
- 2J: formed guides, leading edge inside
- 2S: flat guides, leading edge inside
- No side guides



9. General terminology

- Passes: number of vertically stacked conveyors
 - Single-pass: one level of belting through the entire dryer
 - Multi-pass: separate belts stacked on top of each other (each belt travels opposite to previous belt)
- Stages: number of horizontally in-line conveyors
 - 2-stage: two separate belts placed one after each other (all belts travel in same direction)
- Zones: independently controlled temperature region (each stage can have multiple zones)
- Section: discrete frame weldment (entire dryer is made of many sections connected together)