

THE UNDISPUTED CHAMPION OF PRODUCTION AND VERSATILITY IN A SIMPLE AND EFFECTIVE DESIGN

JEL | DECUMULATOR® CONCRETE BATCH PLANT

SUPER HIGH SPEED CONCRETE BATCHING PLANT

- ▶ **BEST "IN-CLASS" VALUE**
High ROI potential
- ▶ **LOW-PROFILE DESIGN**
- ▶ **CAN PRODUCE 10-YD LOADS**
IN UNDER 3 MINUTES
- ▶ **OPTIONAL TWIN SHAFT MIXER**
For paying & higher production needs



JEL

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THE JEL DECUMULATOR®

THE UNDISPUTED CHAMPION OF VERSATILITY AND PRODUCTION.

This plant was designed to handle whatever your production needs are. Faster batching than a traditional accumulative weighing plant and the versatility to be configured to meet the unique demands of your concrete batching operation.

FASTER BATCHING CONFIRMED

The Decumulator® offers faster batching than a traditional accumulative weighing plant. The Decumulator® plants put each aggregate on their own scale allowing all the materials to be weighed-out at the same time versus one-by-one on a single scale. Plus, this allows the smaller aggregates to filter on top of the larger aggregates providing a pre-blending action of the materials before reaching the mixer, giving you a more homogenous mix.



VERSATILITY GUARANTEED

The Decumulator® was designed to handle whatever your production needs are. It can be configured for ready-mix or central-mix, stationary or mobile, any number of bins and silos with multiple available capacities, in-line or up to 90-degree configurations.

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THE JEL DECUMULATOR®

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PERFORMANCE-MINDED

Building on the legacy of the best decumulative weighing batch plant in the industry, the Decumulator® stays true to its mission by outperforming anything else on the market while offering the quality and simplicity you've come to expect.

- ▶ High or low production operations
- ▶ High-speed & accurate batching
- ▶ Configurable to suit your needs



LOW PROFILE DESIGN BENEFITS

Its low-profile design lets you use a bucket loader to feed the bins rather than using an additional feed conveyor and hopper. Or, add an optional feed system and supercharge your productivity.

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DECUMULATOR® PLANT BLUEPRINT



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SILO CAPACITIES:

Silos ranging from 30-tons to 200-tons are available

- ▶ Suitable for cement, fly ash, slag & similar materials
- ▶ Single or split compartments available
- ▶ Jet Pulse silo dust collector
- ▶ Pop off valve included
- ▶ 4" fill pipe included
- ▶ Ladder with fall arrest system
- ▶ High & low level indicator included
- ▶ 10" butterfly discharge + solenoid included
- ▶ 8-12 aeration pads + manifold & regulator included
- ▶ 14-yard cement scale
- ▶ Straight or Drive Through Structures
- ▶ + More

TRANSFER & GATHERING CONVEYOR:

Conveyor belts ranging from 24"- 48" are available

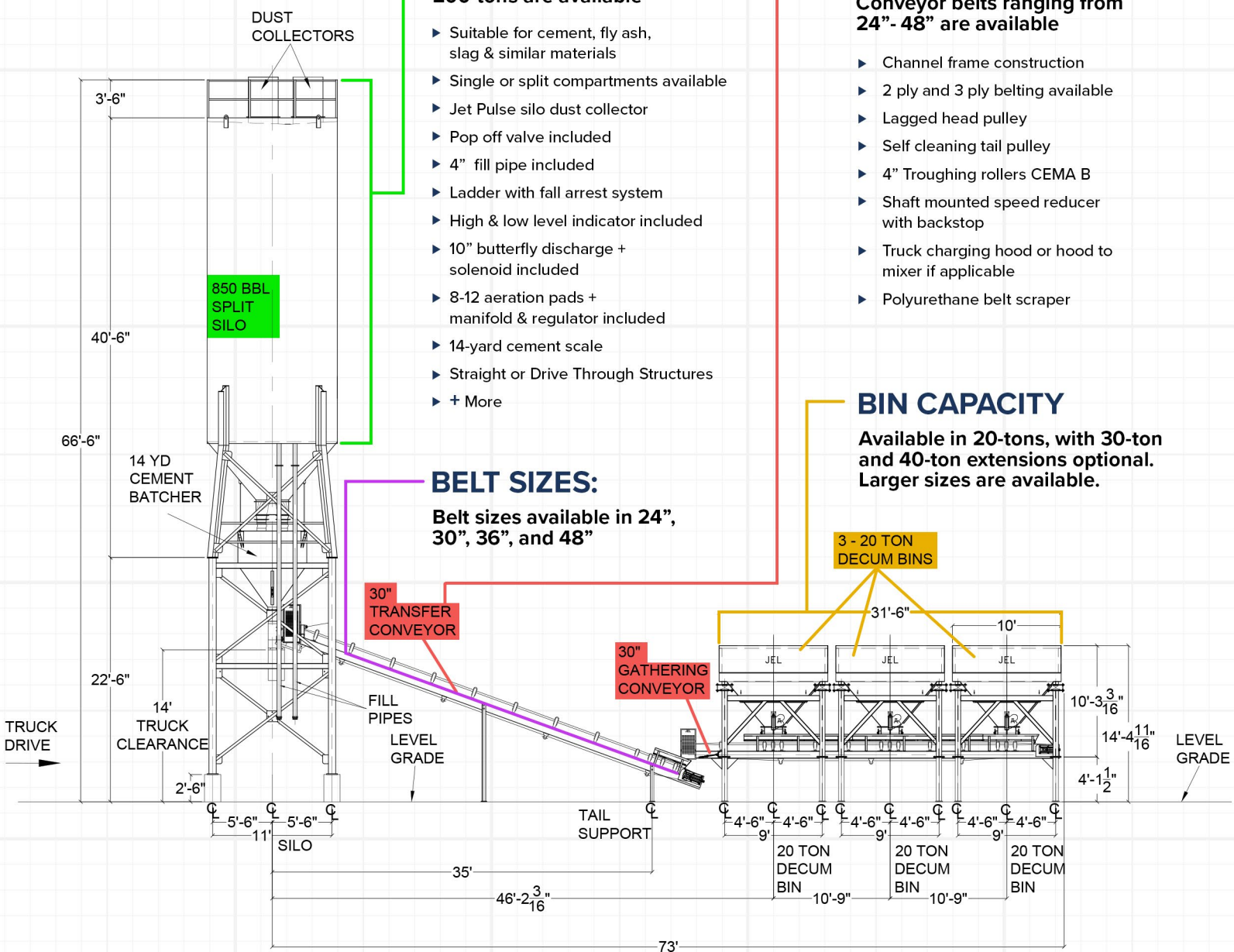
- ▶ Channel frame construction
- ▶ 2 ply and 3 ply belting available
- ▶ Lagged head pulley
- ▶ Self cleaning tail pulley
- ▶ 4" Troughing rollers CEMA B
- ▶ Shaft mounted speed reducer with backstop
- ▶ Truck charging hood or hood to mixer if applicable
- ▶ Polyurethane belt scraper

BELT SIZES:

Belt sizes available in 24", 30", 36", and 48"

BIN CAPACITY

Available in 20-tons, with 30-ton and 40-ton extensions optional. Larger sizes are available.



DECUMULATOR® STANDARD PLANT FEATURES



BELT CONVEYOR CLEANING SYSTEM

Conveyors come standard with high-abrasion-resistant polyurethane cleaning blades. The cleaning blades keep your area clean and the aggregates where they should be, in the mixer.



CEMENT AERATION BLOWER SYSTEM

High-volume, low-pressure aeration regenerative blower for silos and batcher. Separates the high-demand aeration system from the rest of the plant and keeps your cement clean and dry.



MOTOR CONTROL CABINET

Each plant comes with motor starters for all supplied motors in a NEMA 4X enclosure with main disconnect.



TWO-STAGE INDUSTRIAL AIR COMPRESSOR

15 to 20 HP, with 120-to-200-gallon tanks. Low-oil cutoff and automatic tank drain. The heart of the Decumulator's pneumatic system ensures long-life and trouble-free performance.

OPTIONAL ACCESSORIES:

- ▶ Load point dust collection
- ▶ Automatic control system
- ▶ Weighed Water

ADDITIONAL DECUMULATOR® PLANT FEATURES

The JEL Decumulator plants are among the most versatile concrete plants, and their decumulative (reverse weighing) aggregate bins are true workhorses.

CEMENT SYSTEMS

Single Compartment Silo

bbl	Cu. ft	Cement Tons ¹
185	740	30.3
200	80	37.6
270	1080	44.3
350	1400	57.4
450	1800	73.8
550	2200	90
700	2800	114.8
900	3600	147.6
1050	4200	172.2
1200	4800	196.8

Split Compartment Silo

bbl	Cu. ft	Cement Tons ²
500	2000	—
700	2800	—
850	3400	—
1000	4000	—
1200	4800	—

► 14-yard cement scale

WATER SYSTEM FEATURES

- 3" Badger® Turbo Meter w/ transmitter (360 gpm capacity)
- Butterfly cut-off valve
- Hose to truck charging hood
- 6 threaded admix inlet ports

¹ Cement tons is based on the partially aerated weight of cement at 82 lbs. / cu. ft.

² Split silos are available in 2/3 – 1/3 and 50/50 splits.



ELECTRICAL FEATURES

- 230/460V three-phase power required for all motors
- Motor starters for all furnished motors and main disconnect are included
- Soft-start motor starters for all motors 30HP +