

PROJECT PROFILE

AUTOMATED DRY BULK INGREDIENT SYSTEM DELIVERS ON EFFICIENCY AND CLIENT SATISFACTION



THE SITUATION

A well-known food manufacturer needed to expand their facilities in order to meet increased production demands. To further streamline production, they also wanted to implement an advanced automated dry bulk ingredient system. The new pneumatic conveying system was needed not only to automate the delivery of dry bulk ingredients but also to convey ingredients to multiple production lines, scale, and provide on-demand dry ingredient delivery.

THE SOLUTION

Following a thorough vetting and selection process, Camcorp was chosen as the provider entrusted with the responsibility of designing, producing, implementing, and managing the client's new pneumatic conveying system.

We then sought to precisely dimension out the new conveyance system, taking into consideration all of the clients current and future needs. Great effort was also taken to utilize sound enclosures to maintain noise levels below 85 decibels while also meeting their increased rate of production.

By strategically incorporating compression load cells into the central silo design, the silo would now be able to maintain continuous inventory monitoring, effectively safeguarding optimal inventory management.

Another integral facet of the dilute-phase vacuum system involved the transfer of the dry bulk ingredients to multiple interconnected processing units. The end resolution was a new system that ensured the efficient and seamless distribution of product across multiple production lines, thereby considerably boosting overall operational fluidity and profitability.

As with any of our projects, an experienced project manager is immediately assigned to the client as their single point of contact. This facilitates easy communication between the client and production. The project manager then coordinated with control engineers, building and installation contractors, and supervised the production and implementation of the system. The new system was seamlessly implemented, and the client was extremely pleased with their new pneumatic conveying system. To learn more about this project and many others like it, contact the pneumatic conveying team at Camcorp by calling 913-831-0740 or email pneumatics@scheuch-usa.com.

PROJECT IN BRIEF

INDUSTRY

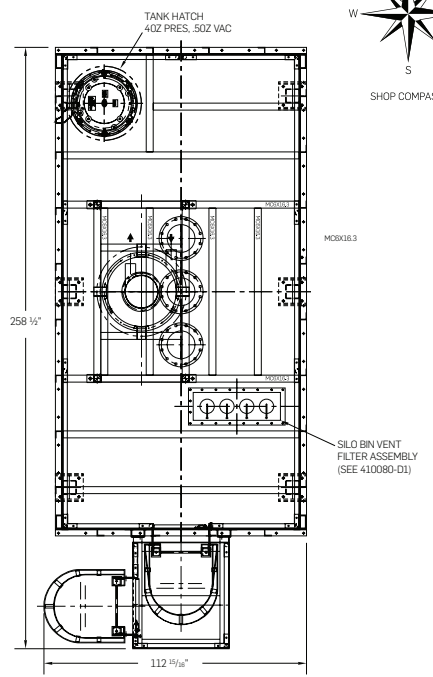
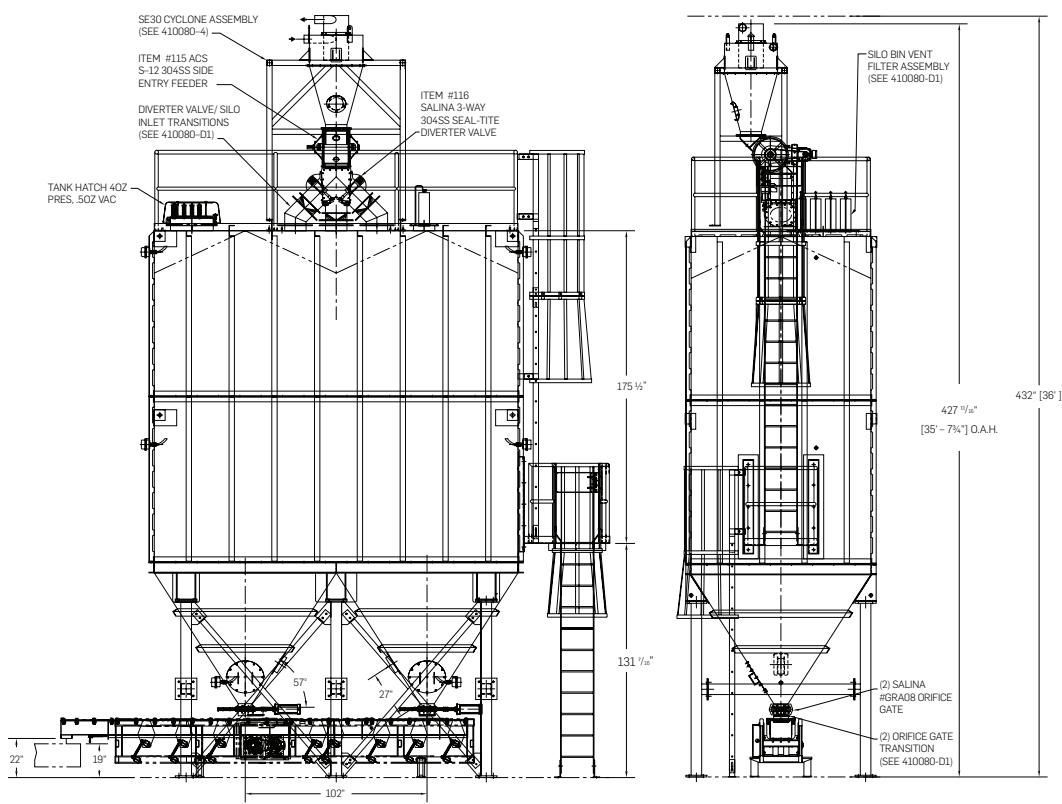
- Food

EQUIPMENT & SERVICE

- Bulk Ingredient Storage Silos
- Silo Compression Load Cells
- Vacuum Transfer Blower Assembly
- Sound Enclosure
- Pneumatic Convey System
- Dust Collection

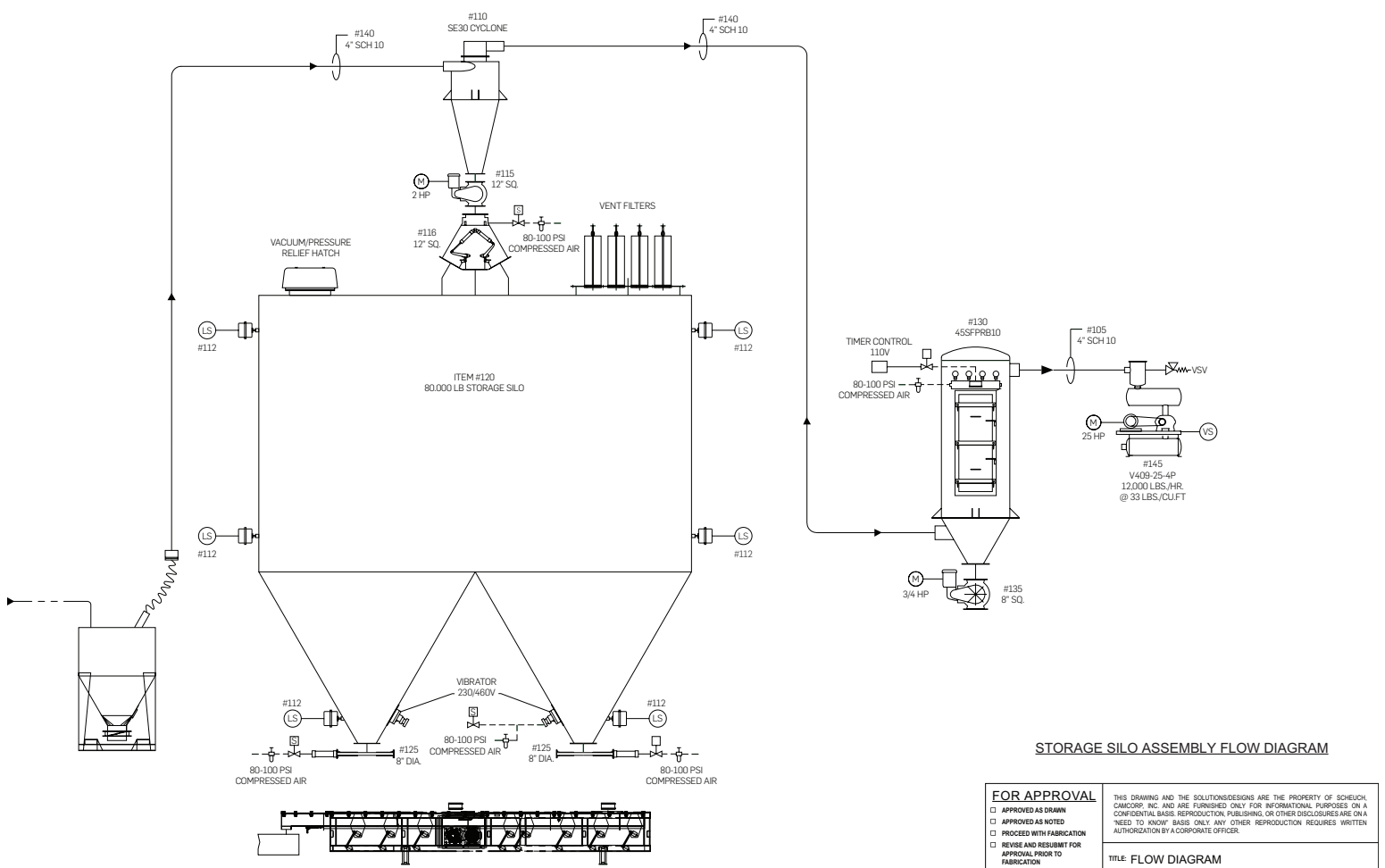
APPLICATION

- Dry Bulk Material Handling System
- Silo Storage Special Features
 - #4 finish and 160-grit finish
- Mechanical & Electrical Installation



ITEM #120
 STORAGE SILO ASSEMBLY (1) UNIT REQUIRED
 OVERALL ASSEMBLY WEIGHT TO BE CONFIRMED

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STORAGE SILO ASSEMBLY FLOW DIAGRAM

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