

SYSTEM 1 PROFILE

System Type: VACCUM SEQUENCING
 Material: POWDER
 Bulk Density: 60 LBS/CU. FT.
 Conveying Rate: 50 LBS./HR.
 No. of Sources: 1 SOURCE 6 RECIEVERS
 No. of Destinations: 10
 Conveying Line Size: 2" SCH 10
 Conveying Distances
 Horizontal: 300 FT.
 Vertical: 20 FT.
 No. of Elbows: (5) 90 DEG.
 Flexible Hose: 5 FT.

WIRELESS
 PENDANT



Various Industry

Two separate conveying systems for conveying SAP in the manufacture of diapers. Each system has 6 receivers. The convey rate to each receiver is under 100 pounds per hour. The source of each convey system is a bulk bag unloader with trolley and hoist with an integral dust collection system.



SYSTEM 01 PROFILE

System Type: VACUUM

Material: EXPANDED PEARLITE

Bulk Density: 7-9 LBS./CU. FT.

Conveying Rate: 4100 LBS./HR.

No. of Sources: 1

No. of Destinations: 1

Conveying Line Size: 3 IN. O.D. TUBE

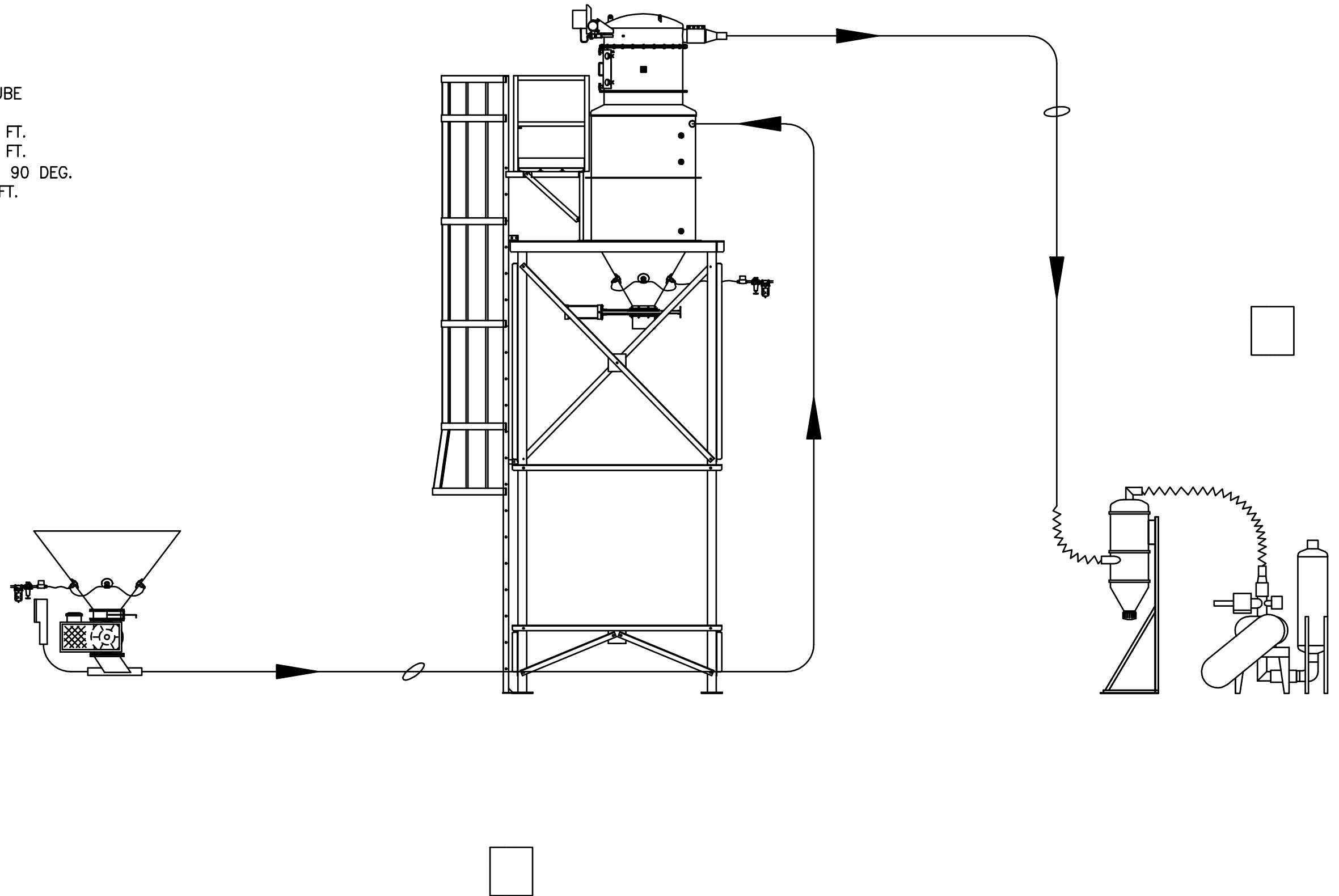
Conveying Distances

Horizontal: 13 FT.

Vertical: 15 FT.

No. of Elbows: (2) 90 DEG.

Flexible Hose: 5 FT.



Various Industry

This project was supplied to a building materials manufacture to transfer expanded perlite. We provided a continuous vacuum system to transfer the material from an existing storage silo to a loss-in-weight feeder. The existing silo was retrofitted with a new cone supplied by K-Tron Process Group that included fluidizers to promote material flow. The destination receiver was designed to function as a separator as well as the refill hopper for the feeder.



SYSTEM 01 PROFILE

System Type: 2400 VACUUM SEQUENCING

Material: FLAME RETARDENT

Bulk Density: 49 LBS./CU. FT.

Conveying Rate: 200 LBS./HR.

No. of Sources: 1

No. of Destinations: 2

Conveying Line Size: 2-1/2 IN. O.D. TUBE

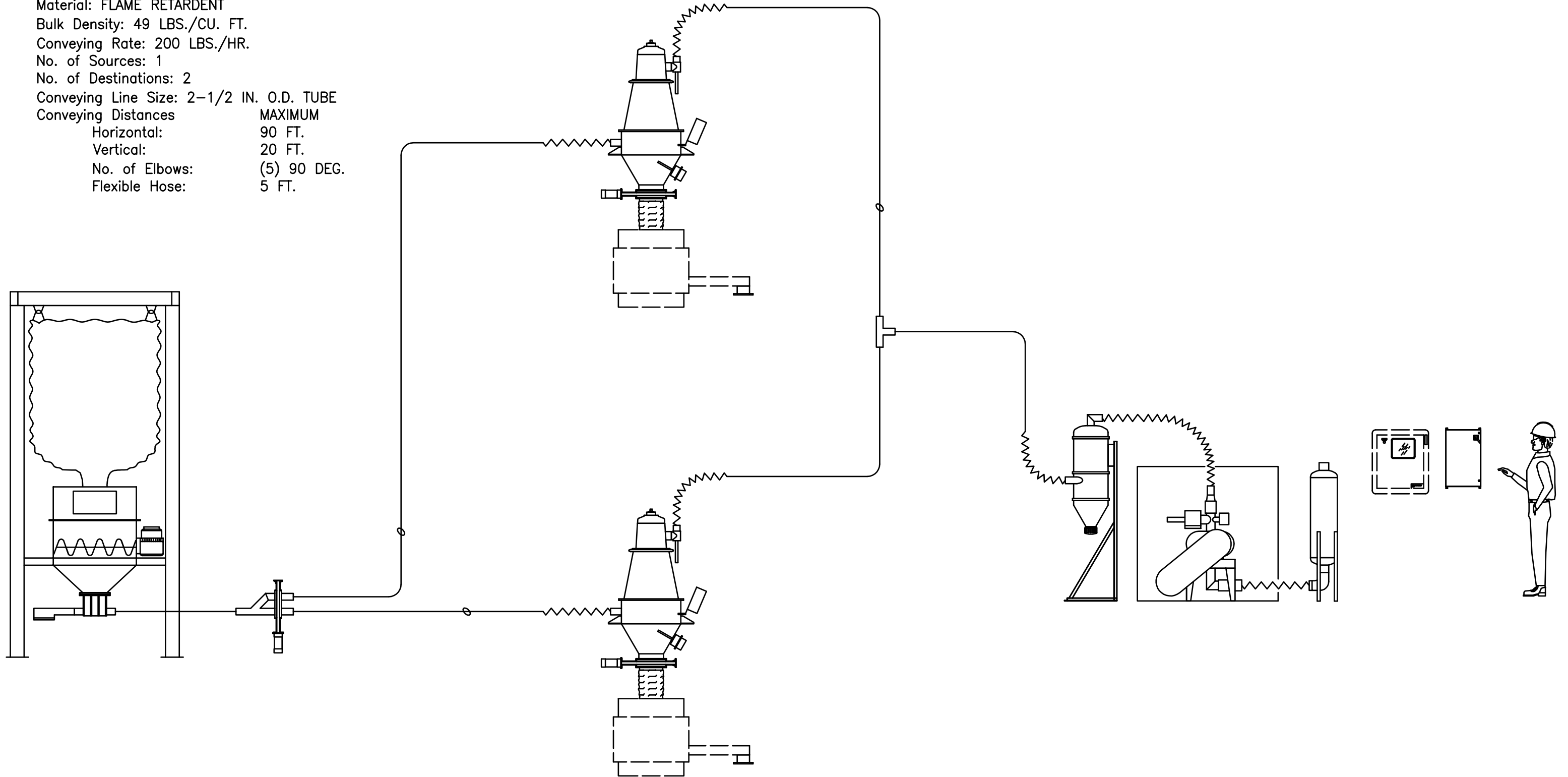
Conveying Distances

Horizontal: 90 FT.

Vertical: 20 FT.

No. of Elbows: (5) 90 DEG.

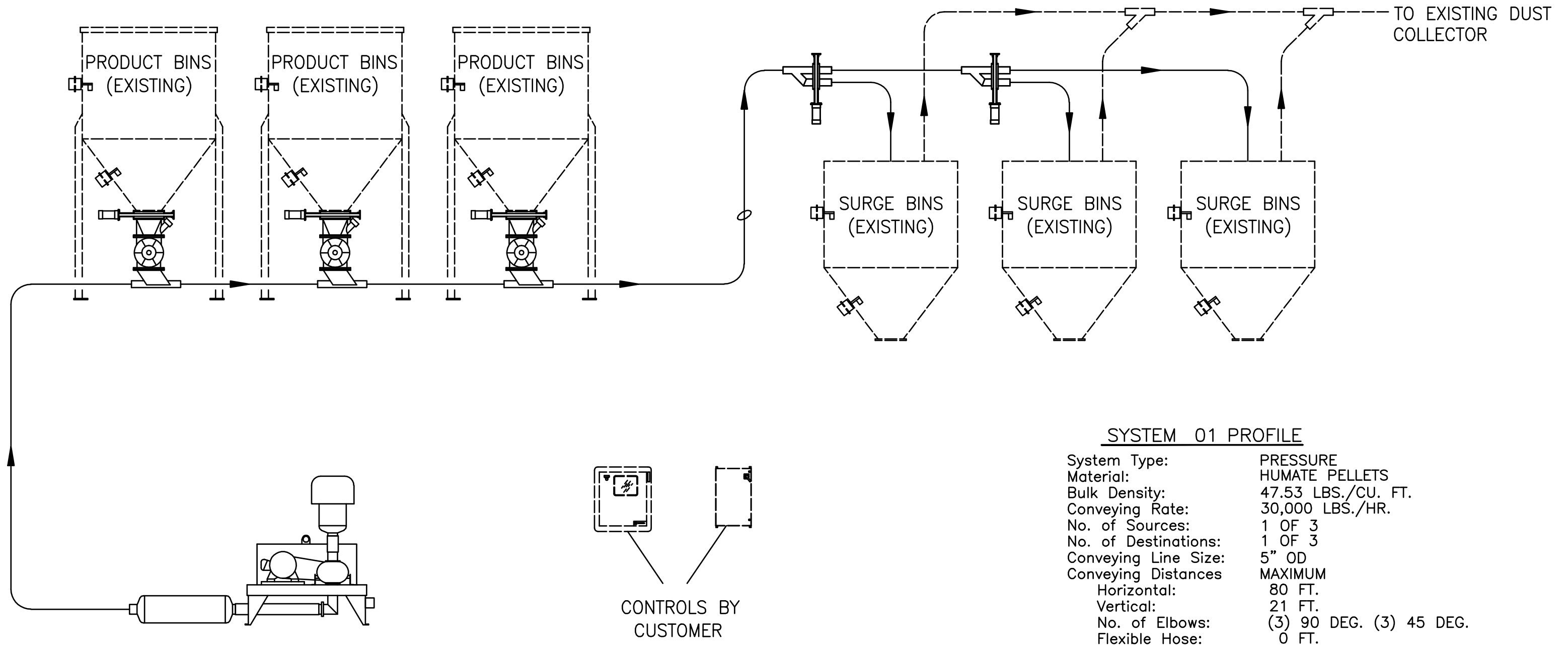
Flexible Hose: 5 FT.



Various Industry

These systems are for a manufacturer of building products. Flame retardant is conveyed from bulk bags through a screener to refill feeders.

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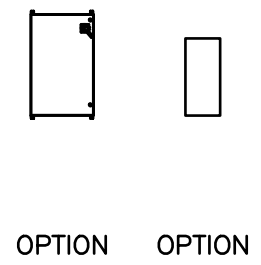
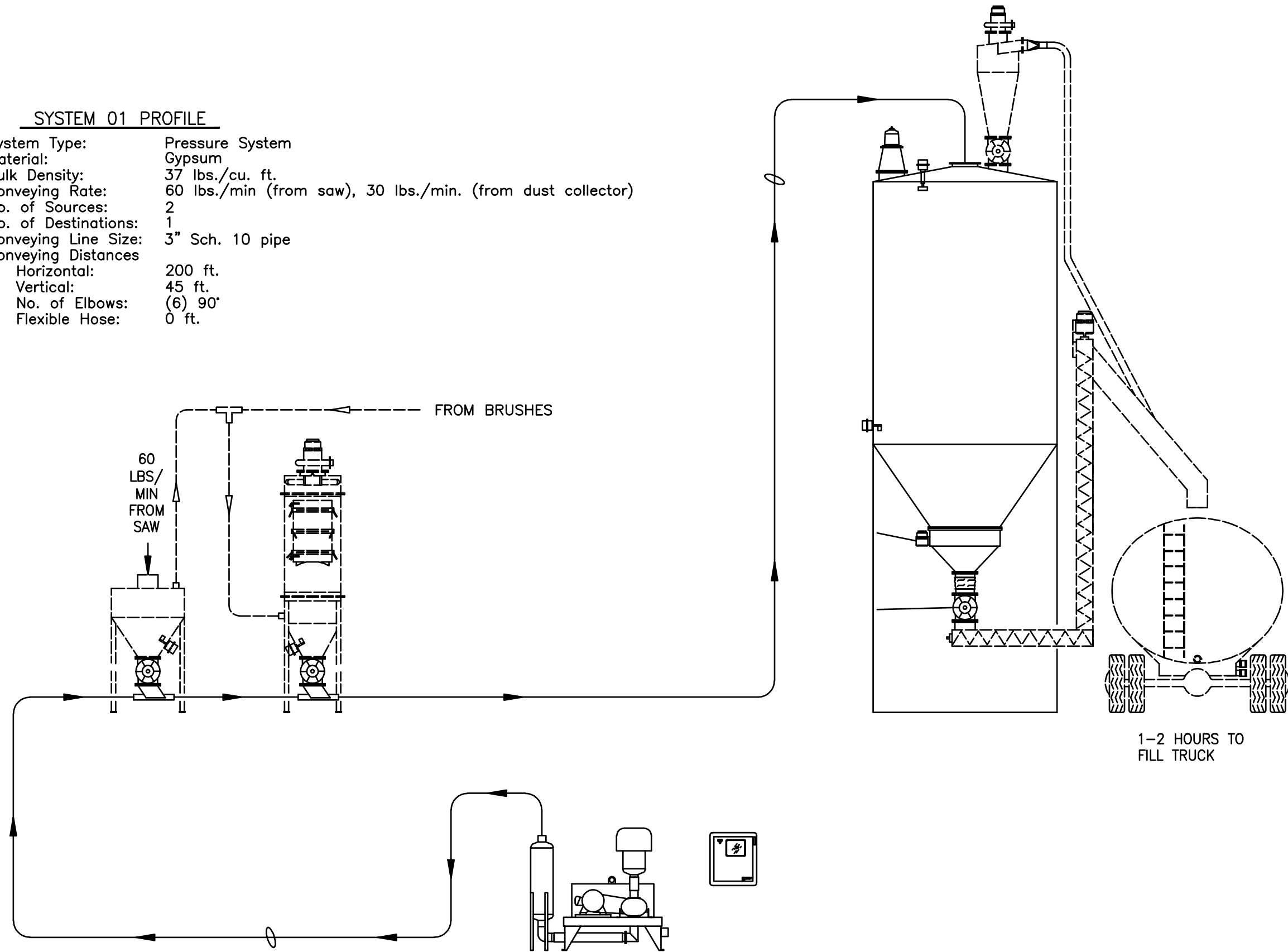


Various Industry

This project was for an AG product manufacturer. The system is for pressure transfer of humate pellets from three sources to three destinations.

SYSTEM 01 PROFILE

System Type: Pressure System
 Material: Gypsum
 Bulk Density: 37 lbs./cu. ft.
 Conveying Rate: 60 lbs./min (from saw), 30 lbs./min. (from dust collector)
 No. of Sources: 2
 No. of Destinations: 1
 Conveying Line Size: 3" Sch. 10 pipe
 Conveying Distances
 Horizontal: 200 ft.
 Vertical: 45 ft.
 No. of Elbows: (6) 90°
 Flexible Hose: 0 ft.



Various Industry

This customer manufactures acoustical grade building materials. They needed a system to recycle and clean up their production area. We provided a pressure system that conveyed the material from their grinders and dust collector to a storage silo.



SYSTEM 01 PROFILE

System Type: VACUUM SEQUENCING

Material: Mannitol and Sorbogem

Bulk Density: 30–45 LBS./CU. FT.

Conveying Rate: 1,000 LBS./HR.

No. of Sources: 1

No. of Destinations: 1

Conveying Line Size: 2 IN. O.D. TUBE

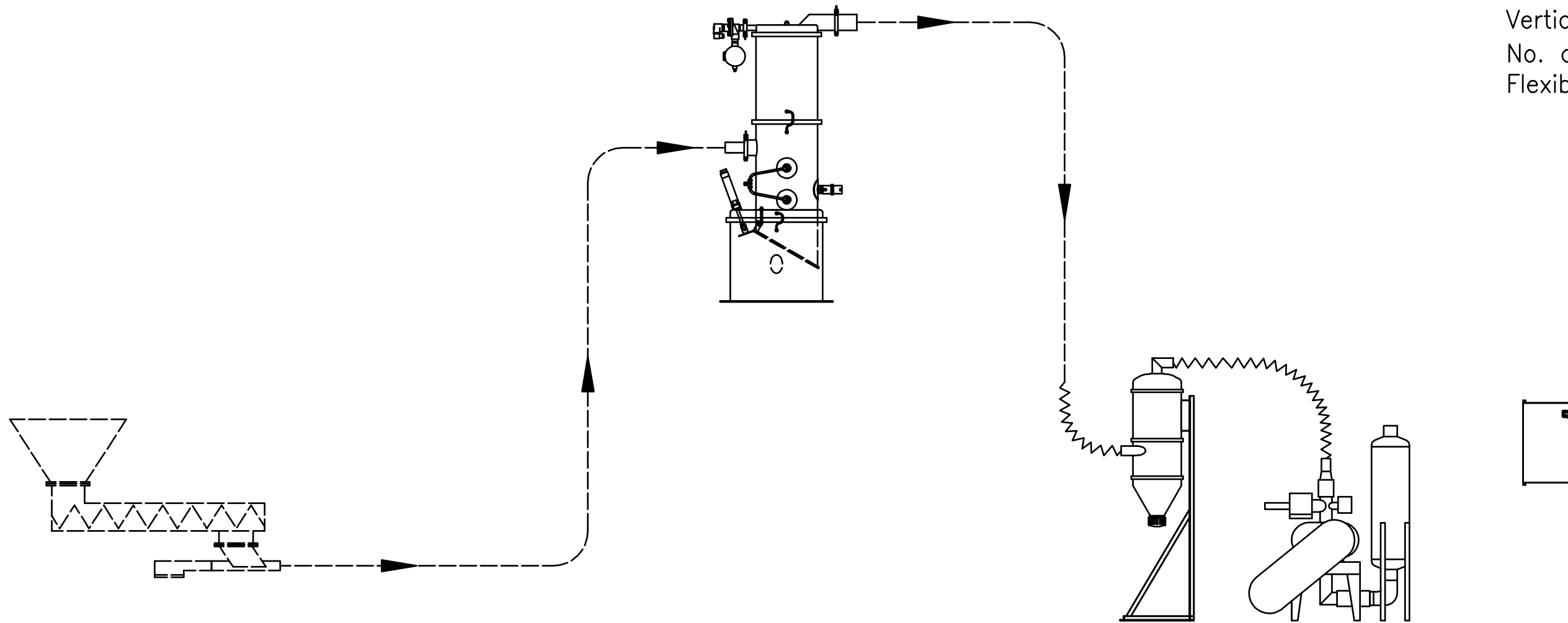
Conveying Distances

Horizontal: 10 FT.

Vertical: 15 FT.

No. of Elbow: (2) 90 DEG.

Flexible Hose: 0 FT.



Various Industry

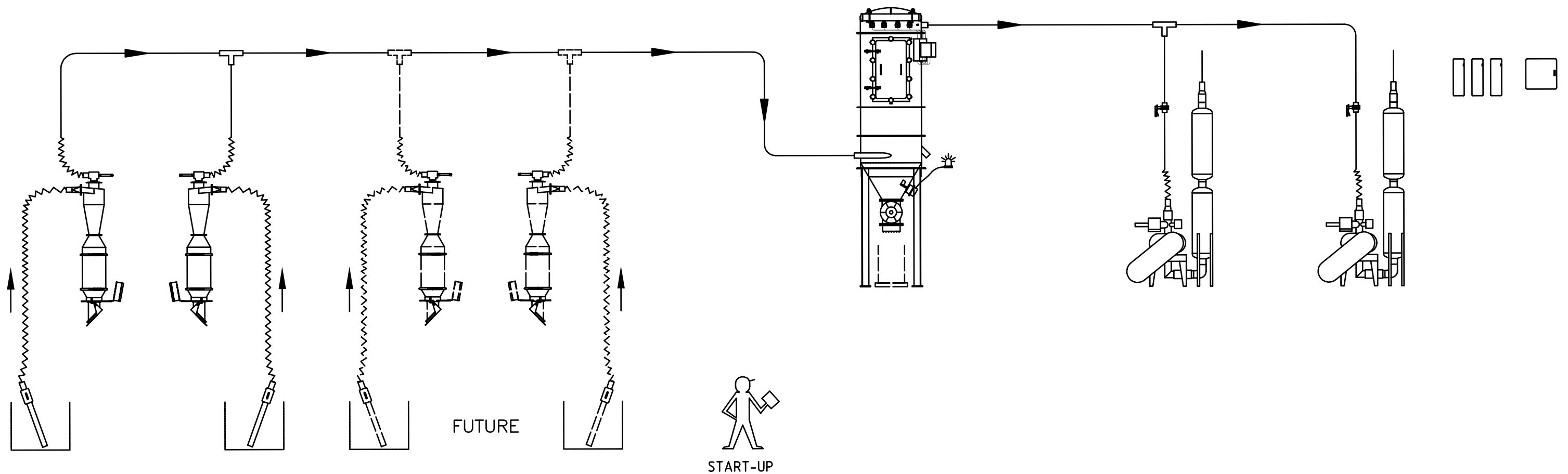
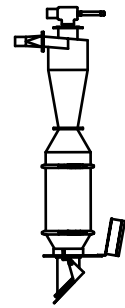
P30 receiver conveying Mannitol. This unit replaced a Hapman screw conveyor due to contamination issues.



SYSTEM 1 PROFILE

System Type:	SERIES 2400 VACUUM SEQUENCING
Material:	ORGANIC VAPOR CARBON
Bulk Density:	23 LBS./CU. FT.
Conveying Rate:	6,000 LBS./HR.
No. of Sources:	2 + 2 FUTURE
No. of Destinations:	2 + 2 FUTURE
Conveying Line Size:	3" O.D. 16 GA. TUBE
Conveying Distances	MAXIMUM
Horizontal:	10 FT.
Vertical:	20 FT.
No. of Elbows:	1 - 90 DEG.
Flexible Hose:	20 FT.

SPARE RECEIVER



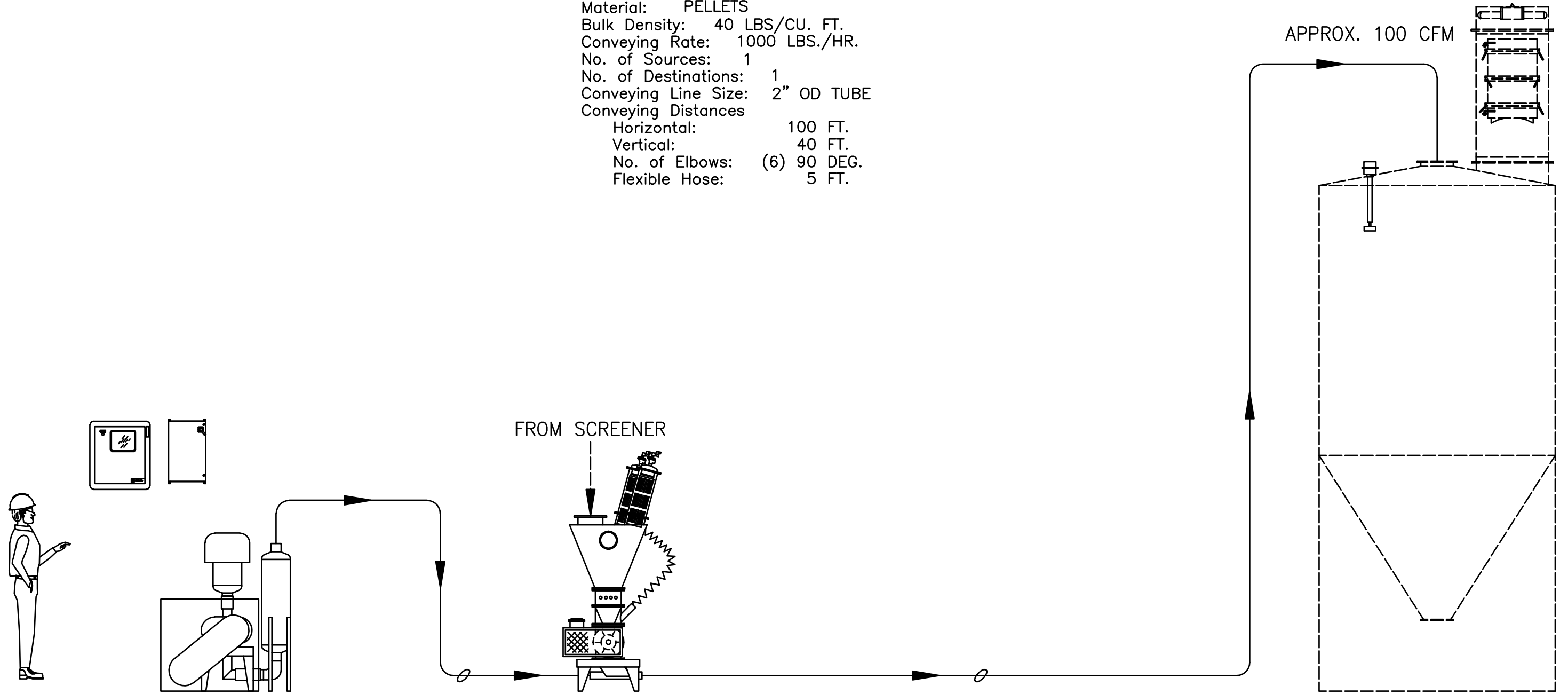
Various Industry

This project was supplied to a filter media manufacturer. Organic vapor carbon granules were transferred by vacuum sequencing system from containers to four packaging machines.



SYSTEM 1 PROFILE

System Type: PRESSURE TRANSFER
Material: PELLETS
Bulk Density: 40 LBS/CU. FT.
Conveying Rate: 1000 LBS./HR.
No. of Sources: 1
No. of Destinations: 1
Conveying Line Size: 2" OD TUBE
Conveying Distances
Horizontal: 100 FT.
Vertical: 40 FT.
No. of Elbows: (6) 90 DEG.
Flexible Hose: 5 FT.

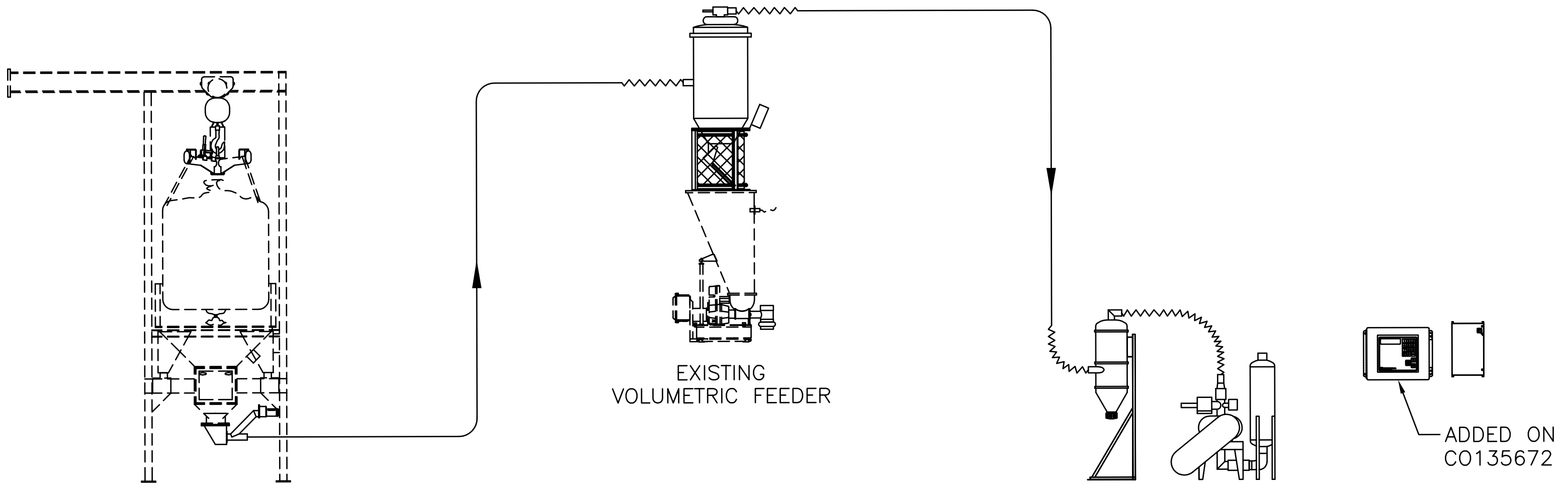


Various Industry

This is for a manufacturer of building products. This is a pressure transfer system for reclaim material back into a silo.

SYSTEM 01 PROFILE

System Type: 2400 VACUUM SEQUENCING
Material: SILICA GEL CRYSTALS
Bulk Density: 24 LBS./CU. FT.
Conveying Rate: 2,800 LBS./HR.
No. of Sources: 1
No. of Destinations: 1
Conveying Line Size: 3 IN. SCH10 PIPE
Conveying Distances
Horizontal: 150 FT.
Vertical: 25 FT.
No. of Elbows: (4) 90 DEG.
Flexible Hose: 5 FT.



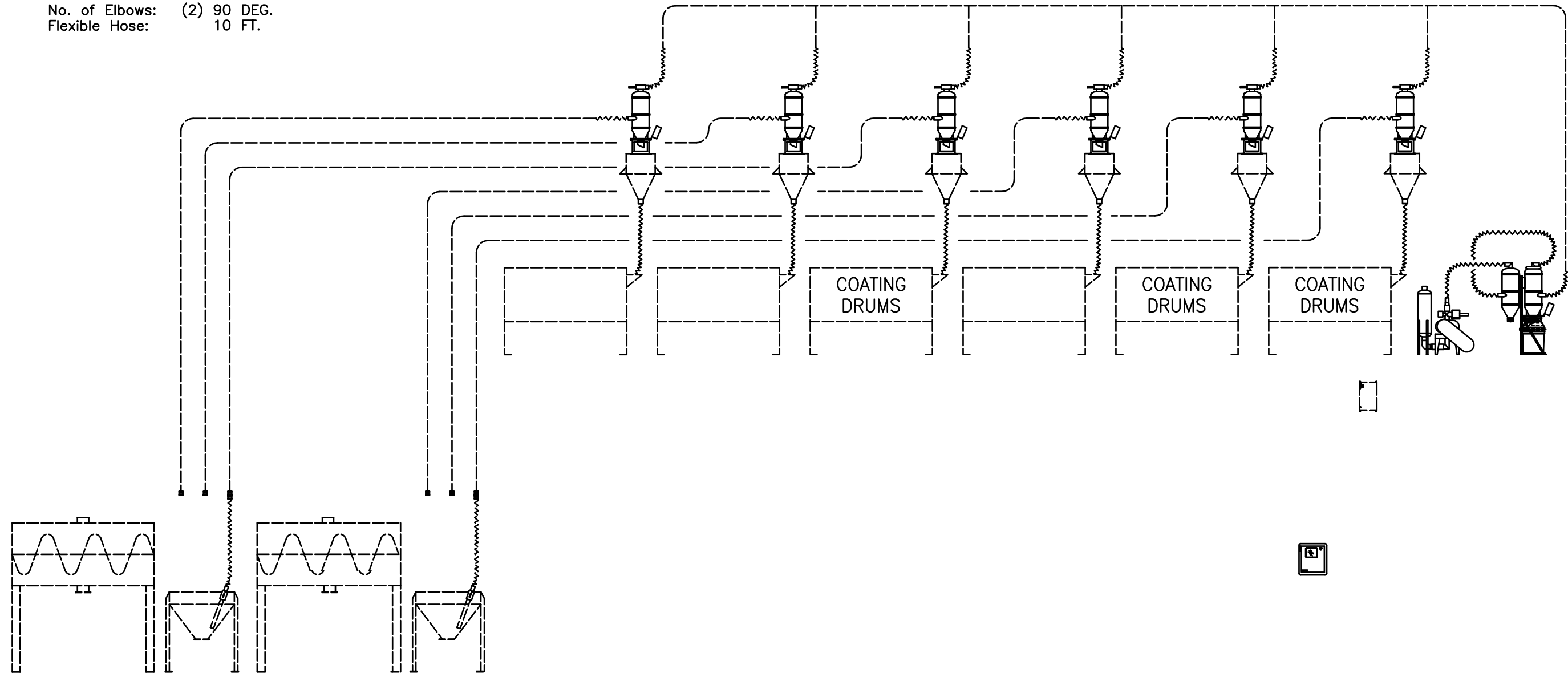
Various Industry

This project was sold to a cat litter manufacture; They needed to convey silica gel crystals from bulk bags to a volumetric feeder above their blending screw. We supplied a Series 2400 vacuum system with a special 2424 receiver. The receiver utilized bags instead of a cartridge filter which allowed for a shorter design in the limited overhead space.

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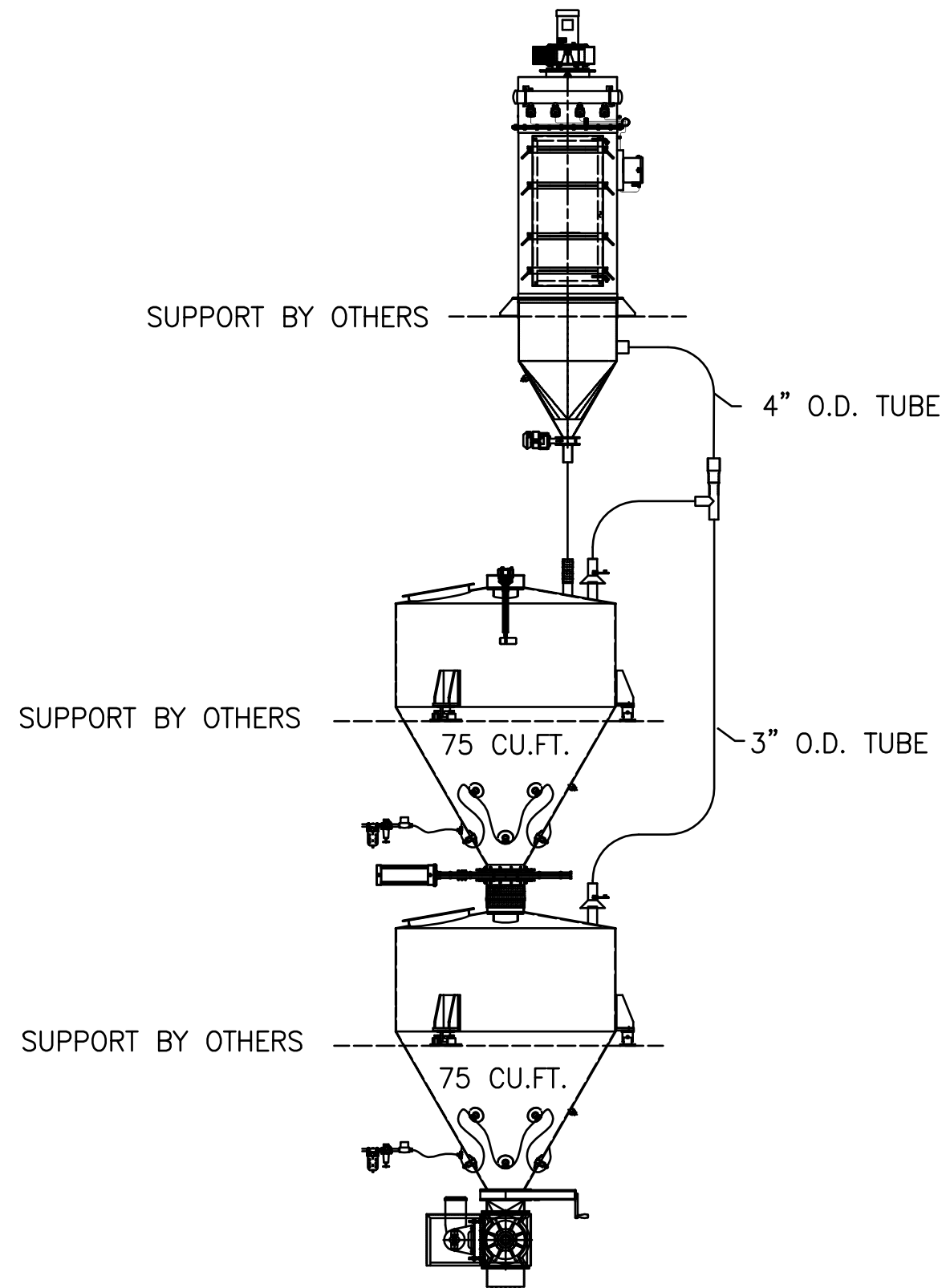
SYSTEM 1 PROFILE

System Type: 2400 VACUUM SEQUENCING
Material: SUGAR BEET SEED
Bulk Density: 45 LBS./CU. FT.
Conveying Rate: 3300 LBS./HR. (BASED ON 2 RECEIVERS) 2600 LBS./HR. (WITH 1 RECEIVER)
No. of Sources: 2
No. of Destinations: 6
Conveying Line Size: 3" O.D.
Conveying Distances
Horizontal: 60 FT. MAXIMUM
Vertical: 20 FT.
No. of Elbows: (2) 90 DEG.
Flexible Hose: 10 FT.



Various Industry

This project was to a seed producer. Sugar beet seeds are transferred by vacuum sequencing systems from 2 mixers to six seed coating drums.



Various Industry

A building materials manufacture needed a large loss-in-weight system for feeding pulverized lime into their process. We provided a hopper on load cells with a variable speed Aerolock on the discharge. With a simple control loop and scale instrument we provided an economical solution which also included the refill storage they required and dust collection for the process.

