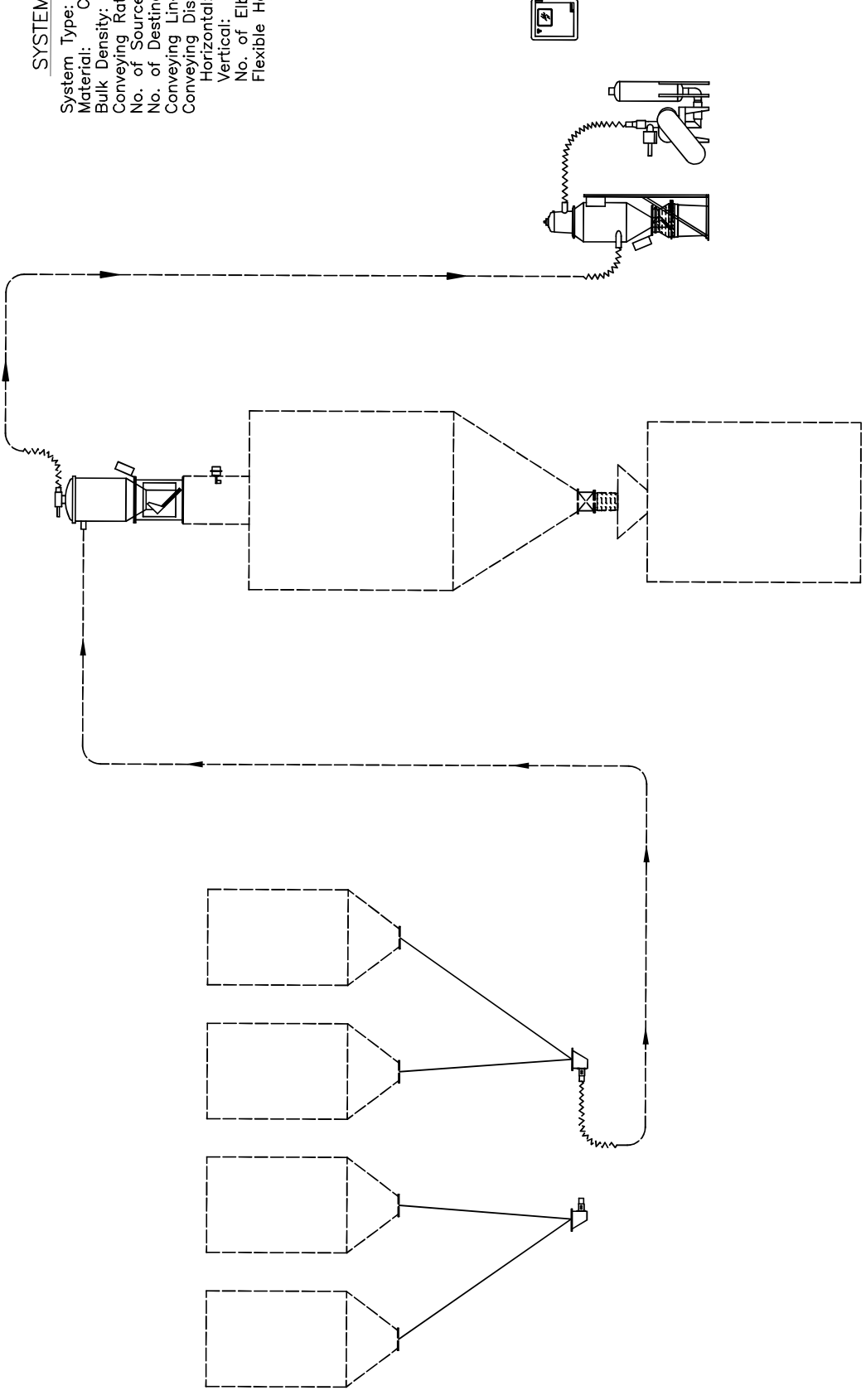


SYSTEM 01 PROFILE

System Type: 2400 VACUUM SEQUENCING
Material: COFFEE BEANS
Bulk Density: 33 LBS./CU. FT.
Conveying Rate: 9,000 LBS./HR.
No. of Sources: 1 OF 4
No. of Destinations: 1
Conveying Line Size: 4" OD TUBE
Conveying Distances:
Horizontal: 20 FT.
Vertical: 30 FT.
No. of Elbows: (3) 90 DEG.
Flexible Hose: 15 FT.

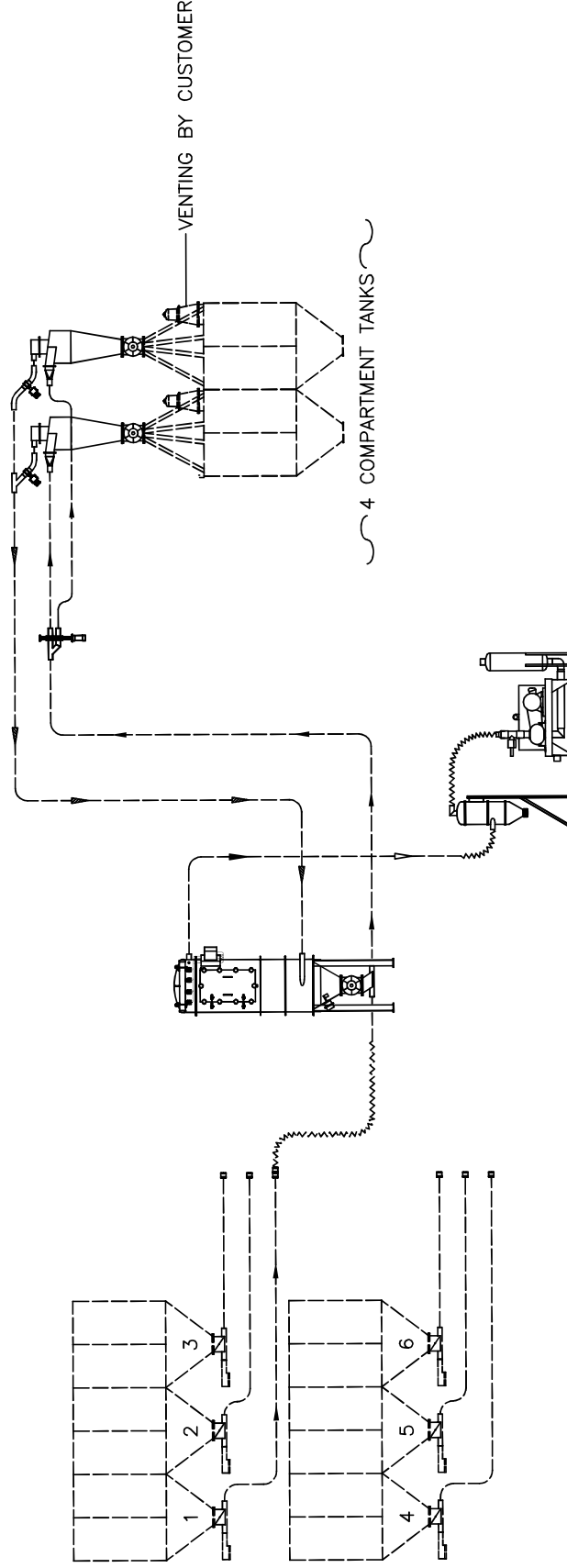


Food Industry

This project was sold to a coffee supplier. Coffee beans are transferred by vacuum sequencing system from surge bins to a roaster.

SYSTEM 01 PROFILE

System Type: Vacuum Transfer
 Material: Ground Roasted Coffee
 Bulk Density: 20 LBS./CU. FT.
 Conveying Rate: 5,000 LBS./ HR. Maximum
 No. of Sources: 6
 No. of Destinations: 2
 Conveying Line Size: 3" O.D.
 Conveying Distances
 Horizontal: 320 FT.
 Vertical: 45 FT.
 No. of Elbows: (5) 90°
 Flexible Hose: 5 FT.

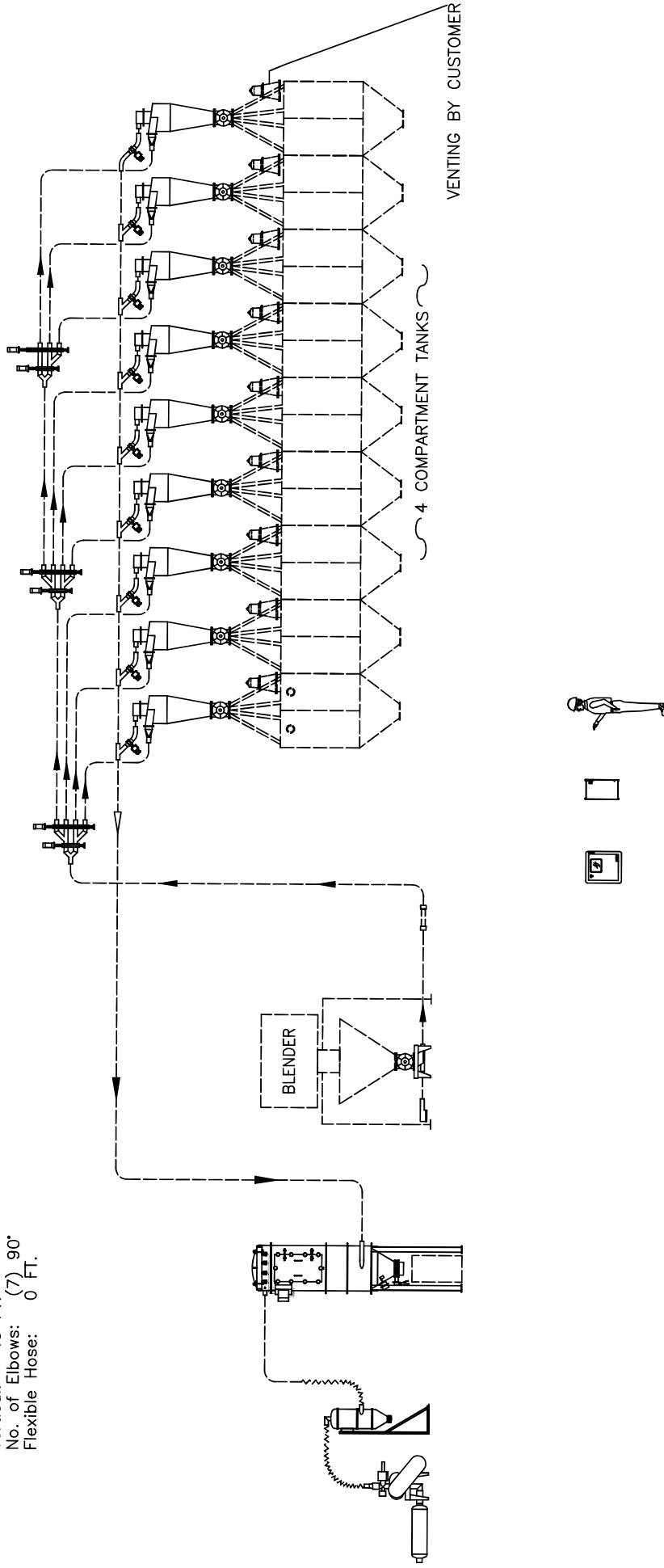


Food Industry

A large wholesale coffee supplier needed a system to convey coffee from their roasters to one of two multi compartment storage bins in the packaging area. We supplied a vacuum system to convey the ground coffee from one of the six roasters; a manual hose switch was used to select the roaster. The carryover of the cyclone was taken back to a filter and reintroduced into the system, which helped eliminate waste.

SYSTEM 01 PROFILE

System Type: Vacuum Transfer
 Material: Flavored Whole Bean Roasted and Ground Coffee
 Bulk Density: 17.7 to 20 LBS./CU. FT.
 Conveying Rate: 4,000 LBS./ HR. Maximum
 No. of Sources: 1
 No. of Destinations: 1 of 7
 Conveying Line Size: 3" O.D.
 Conveying Distances
 Horizontal: 30 FT.
 Vertical: 45 FT. (7) 90°
 No. of Elbows: (7) 90°
 Flexible Hose: 0 FT.

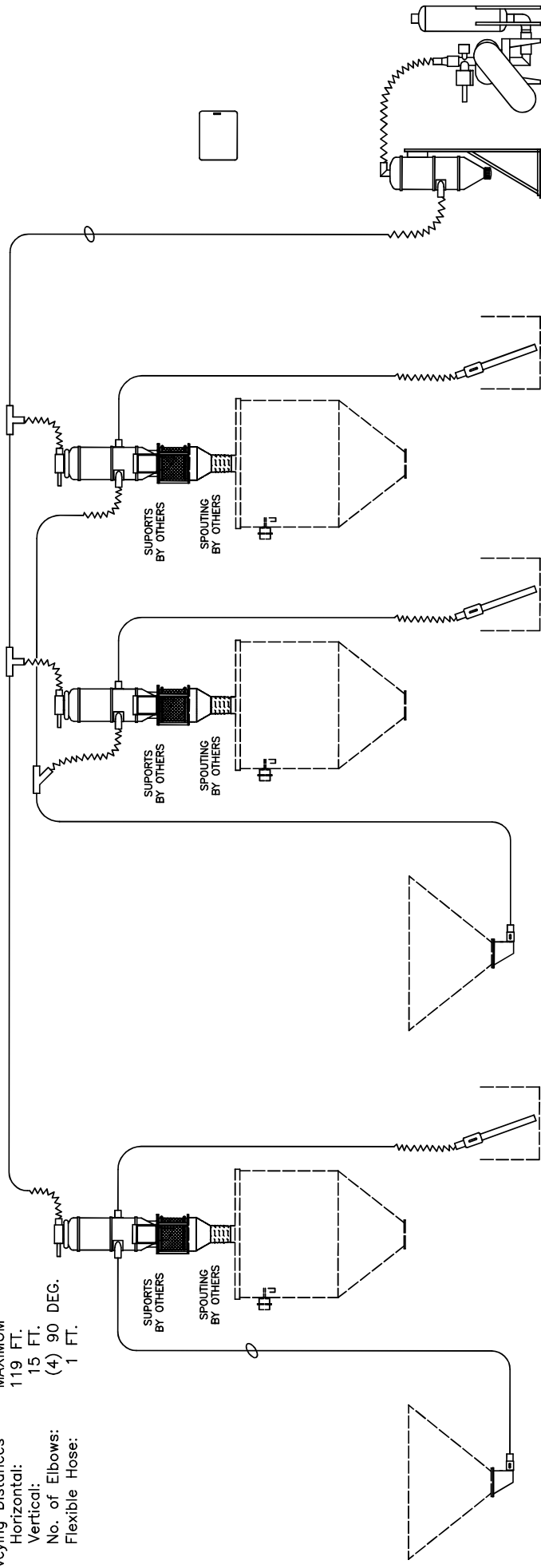


Food Industry

This system was supplied to a large wholesale coffee supplier. The project required that flavored whole bean or ground coffee be conveyed from the blender to one of nine multi compartment storage bins in the packaging area. With limited overhead space we utilized a vacuum conveying system with a shortened cyclone design. Multi-position diverter valves were used to direct the coffee to the correct storage bin.

SYSTEM 01 PROFILE

System Type: 2400 VACUUM SEQUENCING
Material: NON PARELLS SEEDS
Bulk Density: 55.22 LBS./CU. FT.
Conveying Rate: 1,000 LBS./HR. FOR 2 RCVRS
(2,000 LBS./HR. TOTAL)
No. of Sources: 5
No. of Destinations: 3
Conveying Line Size: 2 1/2" IN. O.D. TUBE
Conveying Distances:
Horizontal: 119 FT.
Vertical: 15 FT.
No. of Elbows: (4) 90 DEG.
Flexible Hose: 1 FT.

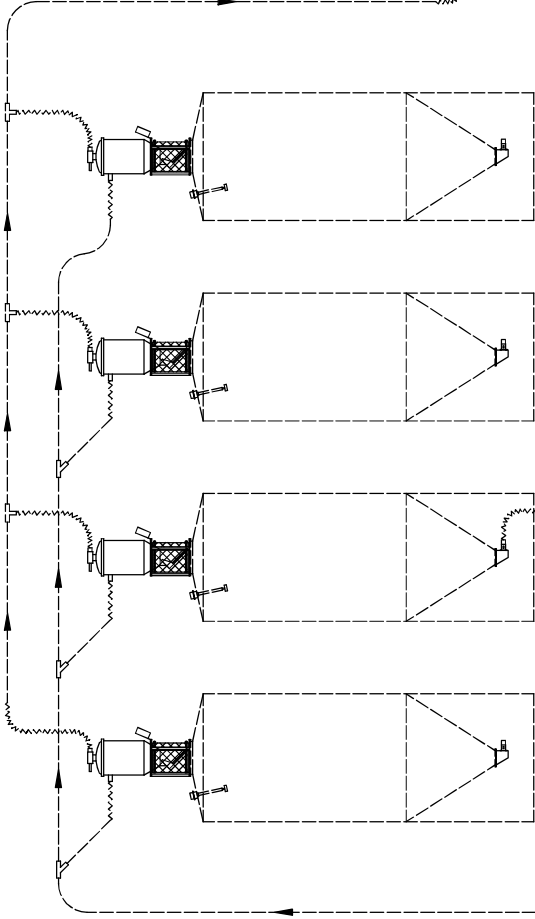


Food Industry

This project was supplied to a candy manufacture that needed a system to convey and re-circulate sugar beads. Using a 2400 vacuum system with ratio receiver, we designed a system to convey the sugar beads from fiber drums to a sprinkle feeder above a conveyor belt. The second inlet of the receiver was used to recycle the remaining sugar beads at the end of the conveyor belt back into the process.

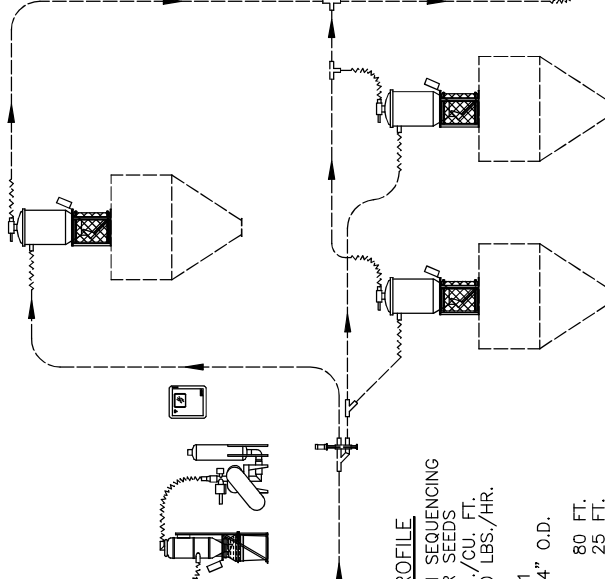
SYSTEM 2 PROFILE

System Type: VACUUM SEQUENCING
 Material: SUNFLOWER SEEDS
 Bulk Density: 18 LBS./CU. FT.
 Conveying Rate: 6000 LBS./HR.
 No. of Sources: 1
 No. of Destinations: 4
 Conveying Line Size: 4" O.D.
 Conveying Distances:
 Horizontal: 100 FT.
 Vertical: 25 FT.
 No. of Elbows: (4) 90 DEG.
 Flexible Hose: 10 FT.



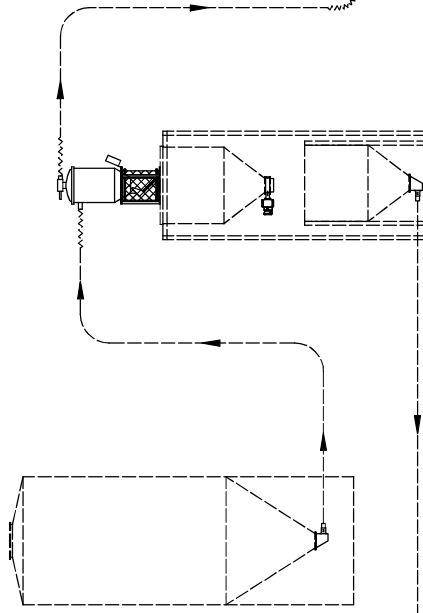
SYSTEM 3 PROFILE

System Type: VACUUM SEQUENCING
 Material: SUNFLOWER SEEDS
 Bulk Density: 18 LBS./CU. FT.
 Conveying Rate: 6000 LBS./HR.
 No. of Sources: 3
 No. of Destinations: 3
 Conveying Line Size: 4" O.D.
 Conveying Distances:
 Horizontal: 80 FT.
 Vertical: 25 FT.
 No. of Elbows: (4) 90 DEG.
 Flexible Hose: 15 FT.



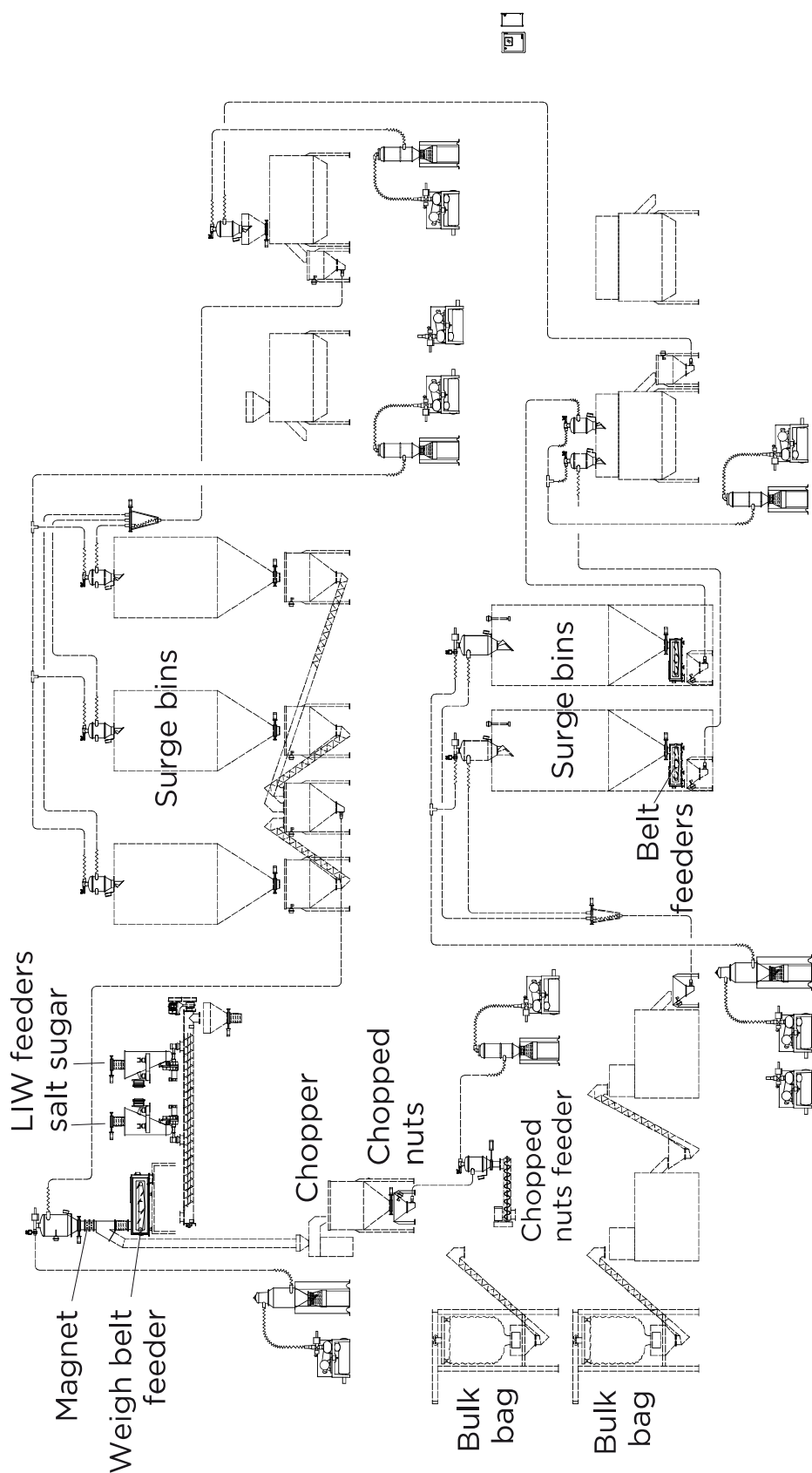
SYSTEM 1 PROFILE

System Type: VACUUM SEQUENCING
 Material: SUNFLOWER SEEDS
 Bulk Density: 18 LBS./CU. FT.
 Conveying Rate: 6000 LBS./HR.
 No. of Sources: 1
 No. of Destinations: 1
 Conveying Line Size: 4" O.D.
 Conveying Distances:
 Horizontal: 80 FT.
 Vertical: 25 FT.
 No. of Elbows: (4) 90 DEG.
 Flexible Hose: 10 FT.



Food Industry

This project was supplied to a snack food processor. Sunflower seeds are conveyed by 4" vacuum sequencing systems through various stages of the sunflower seed process. One system is from the dryer process. A second is from the salt application process. The final system is for loading the packaging machines.



Food Industry

Nut Ingredient Supplier: Nut metering and vacuum sequencing line for conveying of nuts in various bins to choppers, blanchers and/or roasters. Line also includes Loss-in-Weight feeders for adding flavors to nuts.