

Gaylord Fill Station w/ Infeed & Accumulation Conveyors



Application Details:

NBE CSO: E601660054

Material: Various Cereal

Bulk Density: 7.21 to 9.56 Lbs/ft³

Particle Size: Various Shapes

Flowability: Free-Flowing

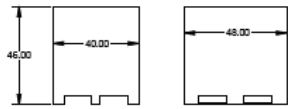
Area Classification: General Industrial

Customer Requested Rate: 20 Totes/hour

Clean Procedure: Dry Wipe

Application Overview:

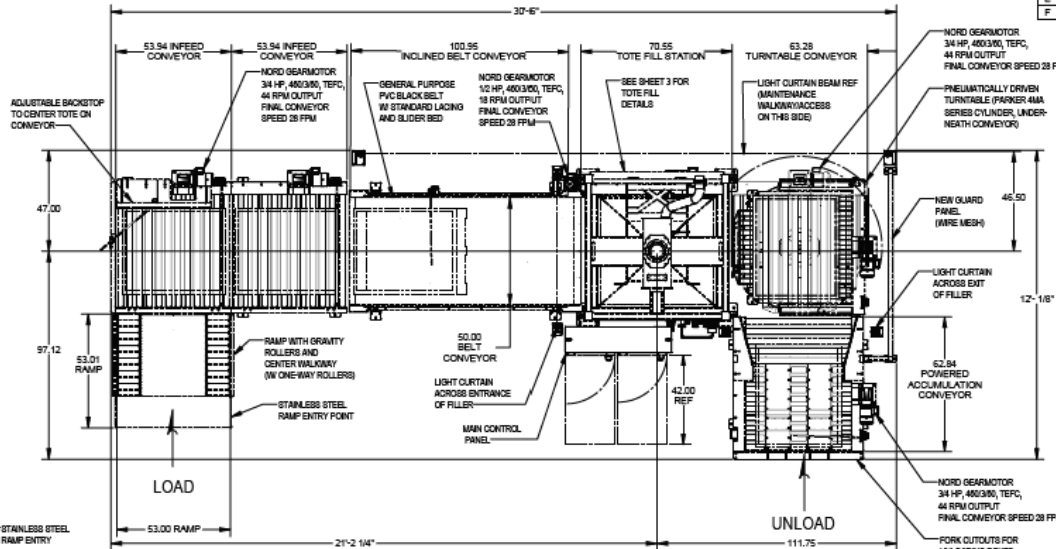
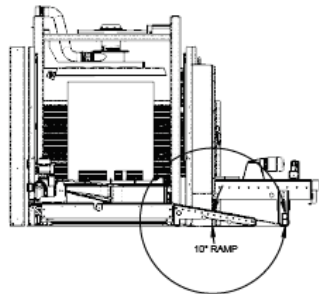
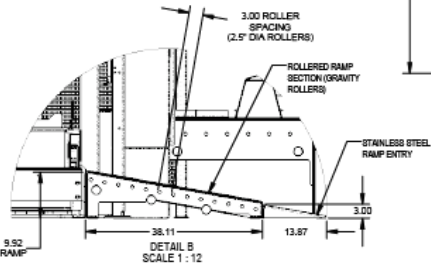
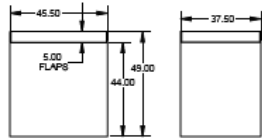
The Gaylord Fill Station was located in an area with a very low ceiling height. NBE designed around existing equipment with a fixed infeed tube. Light curtains and safety caging were integrated to eliminate operators from entering the processing area. The project included a Risk Assessment and Category 3 safety circuit control package.



PLASTIC TOTE DIMENSIONS SHOWN

CORRUGATED TOTE IS SIMILAR STYLE WITH OVERALL DIMENSIONS 46L" X 38D" X 45H"

CARDBOARD BOXES ON SLIP SHEETS:



REVISIONS		NAME	DATE
LET	REVISION NOTES		
A	SUBMITTED FOR APPROVAL	TJB	11/17/2016
B	SHORTENED FILLER, UNLOAD CONV, POWERED, MISC UPDATES	TJB	1/10/2017
C	REVISED PER CUSTOMER COMMENTS	TJB	1/26/2017
D	AS RELEASED	TJB	3/27/2017
E	AS SHIPPED	TJB	3/31/2017
F	AS-BUILT & ADDED LIGHT CURTAINS	TJB	5/11/2017

CUSTOMER PO#: 4101536265
NBE CSO#: E601660054

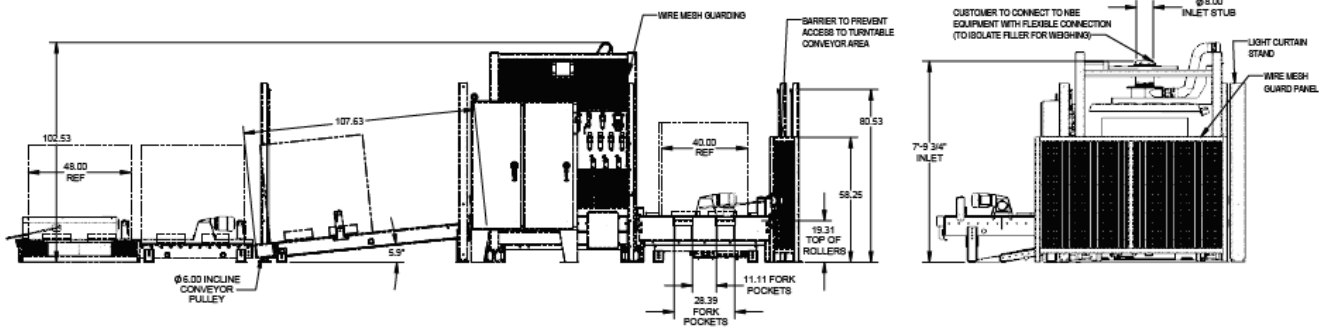
- Application info:
- Material: Cereal
 - Filler Capacity: 4000 lbs
 - Rate: 20 totes per hour
 - Tote #1: 40" x 48" x 46"
 - Tote #2: 38" x 46" x 45"
 - Other containers: cardboard boxes on slip sheets
 - Designed and built for use in general industrial (non-hazardous) area

- Construction:
- 304 stainless steel product contact, welded continuous and welds ground smooth
 - Carbon steel non-product contact, stitch welded except where needed for strength, welds ground to remove irregularities
 - Paint: Steel-It epoxy

- Controls:
- 460/360 power voltage, 24VDC control voltage
 - NEMA type 12 enclosures
 - Category 3 safety

- Utilities:
- Compressed air: Approx. 10 CFM @ 80 PSI required
 - Dust collection: Approx. 450 CFM @ 5" w.c. required (Note: 450 CFM will provide a face velocity at hood/face interface of approximately 150 FPM)

- Equipment shipping/installation weights (approximate):
- Tote filler: 3000 lbs
 - Turntable conveyor: 1600 lbs
 - Powered accumulation conveyor: 875 lbs
 - Incline belt conveyor: 925 lbs
 - Infeed roller conveyor: 600 lbs (x2)
 - Ramp: 290 lbs



GENERAL ARRANGEMENT

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X APPROVED WITH REVISIONS NOTED		National Bulk Equipment	LAYOUT TOTE FILLER ASSEMBLY	
NOT APPROVED: REVISE AND RESUBMIT		12324 STAINLESS DR. HOLLAND, MO 64484		
APPROVED BY: Mohamed Ahmed	DATE: 1/12/2017	PHONE: (816) 398-2225	WWW: nbe-inc.com	HOTEL: NBE ALL TRADES SCALE: 1:25 SHEET: 2 OF 4 Dwg No: A185987

