



Andela

TWIN BARREL

Andela GP-2HD Glass Pulverizer

Model:
GP-2HD: 20 TPH

**Designed for High
Capacity Applications**

**Flexible Impact
Hammers**

*Reduces waste
Provides a cost effective remedy
for environmentally conscious
communities*

ANDELA PRODUCTS

493 State Route 28
Richfield Springs, NY 13439

Phone: (315) 858-0055

www.andelaproducts.com
info@andelaproducts.com



- Selective size reduction produces a glass sand, and glass aggregate, while leaving non glass residue in-tact for ease of separation
 - Machine design features access doors with bolt in replacement liners and hammers for hassle free maintenance and service
 - Generates safe handling glass product with no sharp edges suitable for a variety of applications
- Quiet Operation
 - Simple to Operate and Maintain
 - Low Horsepower
 - Reasonably Priced
 - Durable
 - Bolt in Liners and Hammers for Easy Maintenance.
 - Processes whole glass bottles and/or MRF glass

ANDELA GLASS PULVERIZER
MODEL GP-2HD
20 tons/hr. capacity

MACHINE SPECIFICATIONS

Dimensions

Overall LengthApprox. 88"
Overall WidthApprox. 79"
Infeed Hopper Opening36" x 36"
Machine Input Opening20" x 20"
Input Chamber Diameter and Length30" x 44"
Output Chamber Diameter and Length30" x 58"
Chamber Type.....Steel Frame & Heavy Duty Support Stand
Liners Bolt-in Heavy Duty Abrasion Resistant Steel
Heavy Duty Frame with Vibration Isolation(5) Mechanical Spring Isolators

Drive Componentry

Motor SizeTwo (2) 20 HP TEFC
Solid Steel Shaft Diameter3" Dia.
Number of Hammers56
Hammer Type Flexible Impactor/Hardened Steel
Bearing Size..... 3" Heavy Duty
Seal Protection..... Two (2) Seals At Each Shaft Bearing

Safety Features

Protective Guards Cover Input Hopper, Drive Unit and Bearings
Access Doors.....Hammer and Liner Maintenance

Electrical

Motor Voltage230/460 VAC, 60 HZ, 3 phase

Weight

Static Weight7,500 lbs.

The manufacturer reserves the right to change designs
and specifications without notice.



Andela

Hoppers

Surge Hopper

**Evenly Distributes
Material**

**Essential for Bulk
Loading**

Models:

AMSH86-18

AMSH86-24

Environmentally friendly

Reduces waste

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- The Andela Metering Surge Hopper is designed to accept bulk loading of glass or other materials
- Holds 4 cubic yards, or up to 6 cubic yards with optional flared extensions (shown in picture)
- Reciprocating plate feeder meters the flow rate of material into the system
- Adjustable slide gate regulates whole, or mixed broken glass to desired throughput

- Simple to Operate & Maintain
- Easy Installation
- Reasonably Priced
- Heavy Duty Construction
- 18" or 24" wide Discharge
- Abrasion Resistant Materials on All Wear Surfaces

**ANDELA METERING SURGE HOPPER
MODEL AMSH86F-18
with flared sides**

MACHINE SPECIFICATIONS

Dimensions

Capacity..... 6 to 7 cubic yds.
Overall Length125"
Overall Width101"
Overall Height111"
Discharge Opening18" wide x Adjustable Height
Discharge Height40"

Drive Componentry

Motor Size(1) 3 hp
Direct Drive System Totally Enclosed Gear Reducer
.....Reciprocating Plate with Eccentric Drive

Electrical

Motor Voltage..... 230/460 VAC, 60 HZ, 3 Phase
(VAC and HZ provided to customer specifications)

Selected surfaces hardened for long wear and durability.

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Andela Reciprocating Plate Feeder

The Metering Surge Hopper is a stand alone unit with an active mechanical plate feeder that will accept bulk quantities of glass and discharge the glass at a metered flow rate into the glass pulverizer.

The top of the hopper is eight feet by six feet wide and will accept up to four cubic yards of glass ready for processing. Flared extensions are an available option for added capacity of up to six cubic yards. The hopper is welded steel construction and completely lined with abrasion resistant steel plate to withstand the wear associated with the loading of broken glass.

The reciprocating plate feeder feeds the glass out the front of the hopper onto the pulverizer infeed conveyor. An adjustable door on the front of the hopper is used to select the feed rate appropriate for the processing capacity of the system. The plate feeder has unidirectional teeth that pre-break whole bottles as it reciprocates and discharges the broken glass.



Andela

Conveyors

Belt Width Options:
18", 24", 30" & 36"

Variable Lengths, Bed
Types, & Pans Available.

Stainless Steel Sections
for Crossbelt Magnets

Conveyor Types:

Slider Bed
Troughing Roll

Belt Tread Type:

Cleated belt
Smooth belt
Chevron belt



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- Andela Conveyors are available in various sizes and configurations to fit any application
- Remote grease fittings and lines extend to base of conveyor for ease of maintenance

- **Increases Production**
- **Less Handling of Material**
- **Heavy Duty Construction**

ANDELA SYSTEM CONVEYORS
MACHINE SPECIFICATIONS

Heavy Duty – Troughing

Overall Length/Width	According to Quotation
Drive System	3-phase motor and gear reducer, direct drive
Conveyor Body	10" x 3/16" formed steel channels
Carry Surface:	Troughing Roller
Belt	Smooth, chevron or cleated rubber belt
Head Pulley	10" head pulley
Tail Pulley	10" self cleaning tail pulley
Take Up	Adjustable Side Mounted bearings with 1 15/16" bore.
Returns	Return rolls with smooth and chevron belts Belly pans with wear resistant glides for cleated belt
Hopper/Sides/	Formed 10 gauge painted steel

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Andela

Trommel

Trommel Screener

30" & 48" diameters

6ft–15ft long

1.5 HP–7.5 HP

3 material separations

1 or 2 aggregate sizes

1 oversize / residual

Various Applications

Glass

Compost

Plastics

Rubber

Gravel

Mixed Material

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The Andela Trommel Screen Separator is designed to separate and size aggregate using woven wire mesh or perforated plate.

Our trommels feature direct drive systems flexibly mounted with totally enclosed gear reducers for long lasting performance.

Comes equipped with rotating brushes for cleaning the screens.

Customizable chutes build to customer specification.

- Simple to operate and maintain
- Easy Installation
- Reasonably priced
- Durable
- Totally enclosed with easy access doors
- Single frame construction

ANDELA TROMMEL SEPARATOR
MODEL ATROM-105
THREE SCREEN

MACHINE SPECIFICATIONS

Screen Sizes

Screen #13/16" screen opening or to specification
.....48" OD x 5' long
Screen #23/16" screen opening or to specification
.....48" OD x 5' long
Screen #37/16" screen opening or to specification
.....48" OD x 5' long

Categories of Separation

3/16" minus – glass sand (or to specification)
3/16" – 7/16" – glass gravel (or to specification)
7/16" plus - residue

Features

Overall LengthApprox. 21 ft
Overall WidthApprox. 6 ft
EnclosureComplete Sheet Metal Enclosure
.....Hinged Service Door for Screen & Brushes
Screen Barrel Diameter and Length48 in x 17 ft
Screen TypeStainless Steel Woven Wire
Rotating Brushes(3) – 7 in diameter
Maintenance FeaturesCentral lubrication Block, External Mount

Drive Componentry

Motor Size(1) 7.5 hp
Direct Drive SystemTotally Enclosed Gear Reducer
.....Flexible Mount

Electrical

Motor Voltage230/460 VAC, 60 HZ, 3 Phase

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and specifications without notice.

Electrical Control Panel

Enclosures - Enclosures are rated per the environment and are NEMA 4 or better. All enclosures are supplied with an emergency stop.

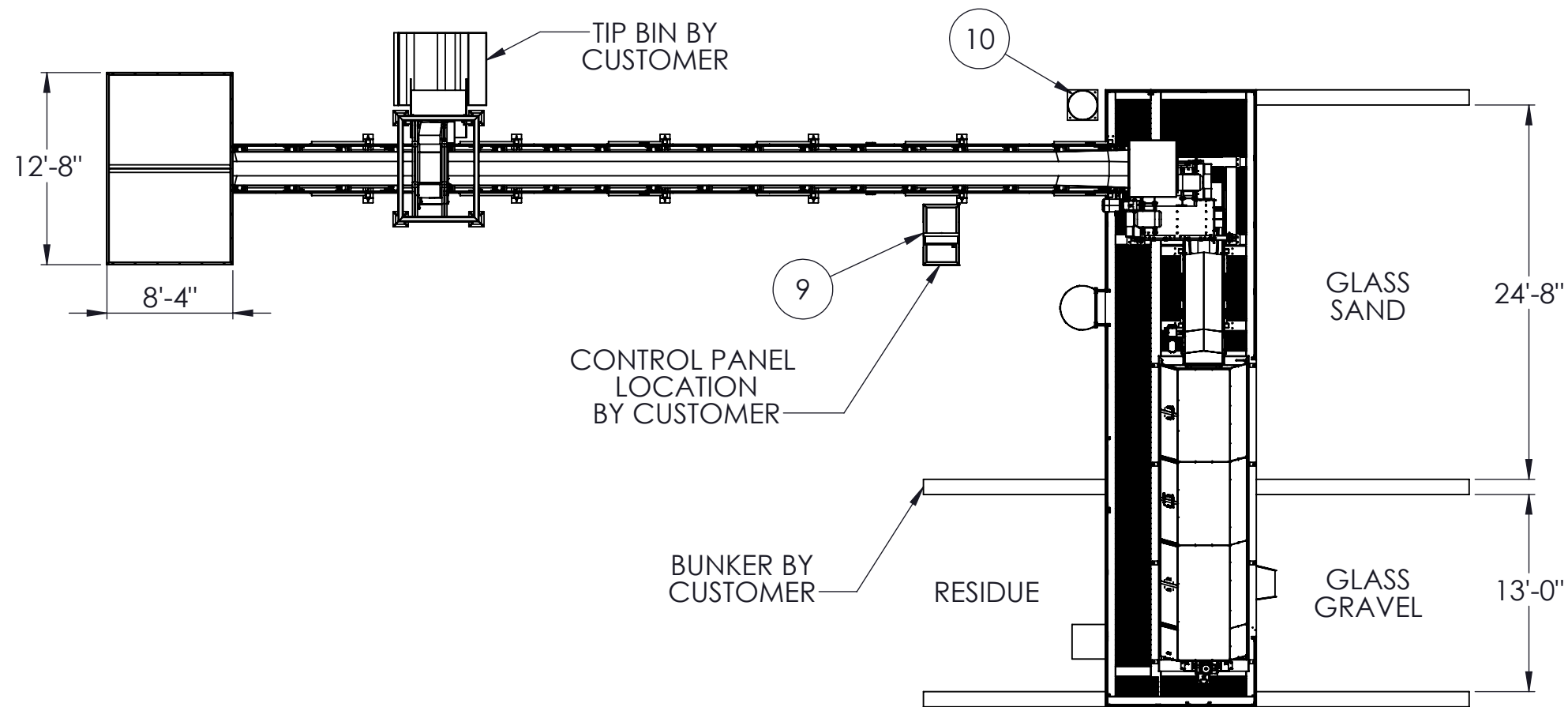
Main Disconnect - The main disconnect is provided with fuses or a circuit breaker and has a “Lockout/Tagout” feature.

Motor Starters - The motor starters are IEC rated.

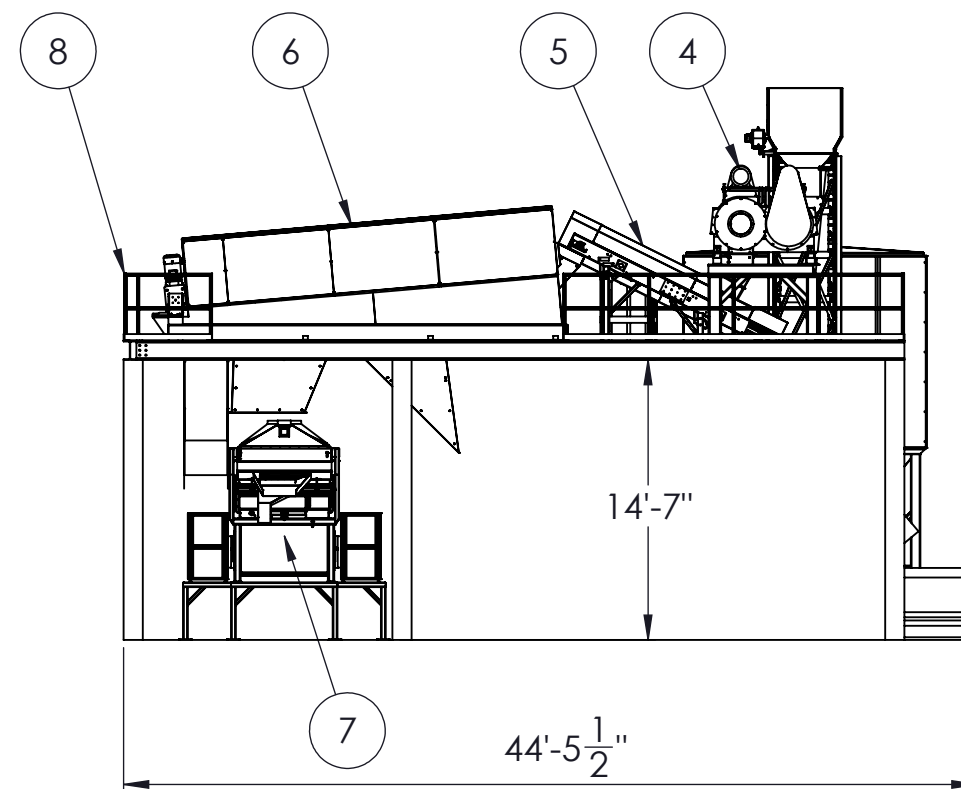
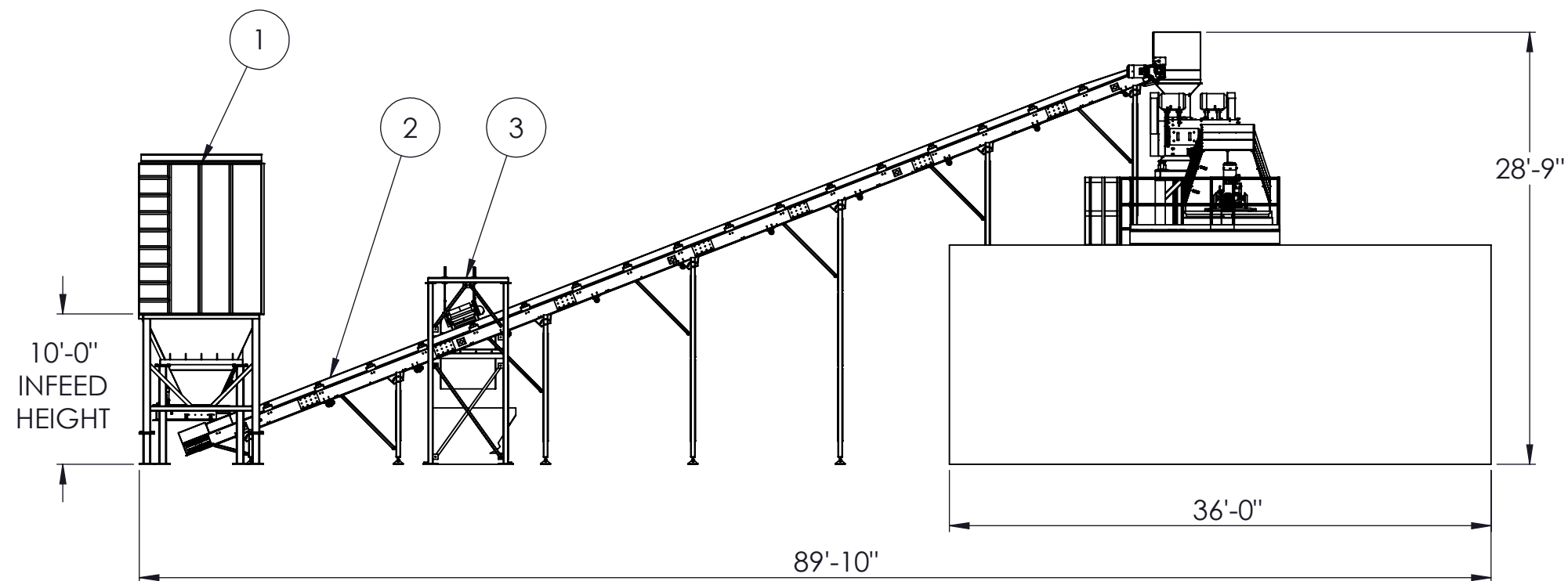
Branch Circuit Protectors - The Branch circuit protectors are provided with a circuit breaker and a motor overload as an integral part of the unit.

Push Buttons - All push buttons are Heavy Duty dust tight/water tight design.

Standards - Built to UL-508 Industrial Standards. Electrical schematics and parts lists are supplied with the unit when the whole system is shipped. Can be CE certified upon request.



ITEM NO.	DESCRIPTION	Hp
1	AMSH812x24	5 Hp
2	30x70 GP-2HD Infeed Conveyor	7.5 Hp
3	Magnet	3/4 Hp
4	GP-2HD Pulverizer	2 @ 20 Hp
5	24x12 105 Infeed Conveyor	1.5 Hp
6	105 Trommel	7.5 Hp
7	Destoner	1 Hp
8	Service Platform	N/A
9	Control Panel	N/A
10	Misting System	1/12 Hp



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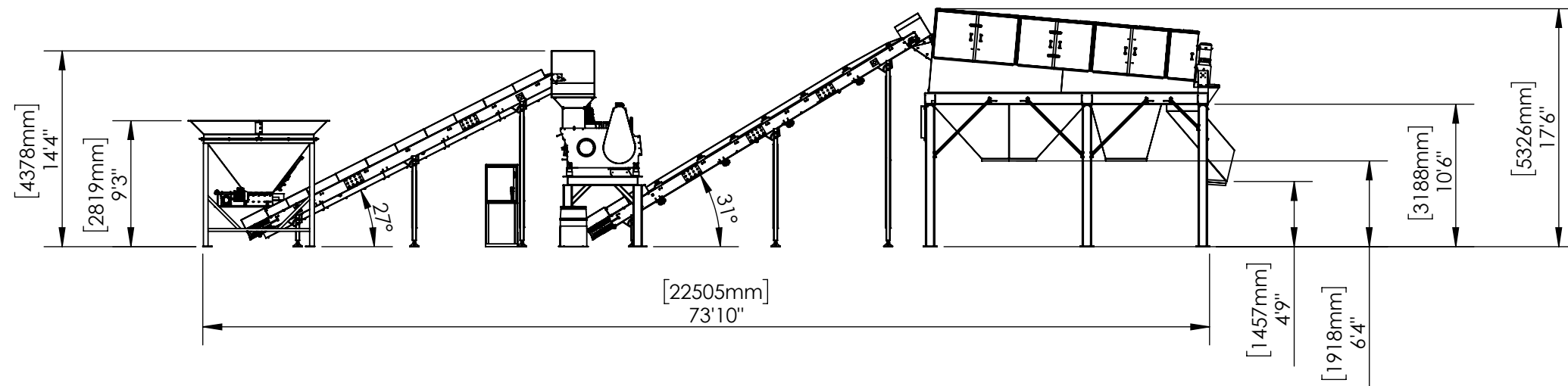
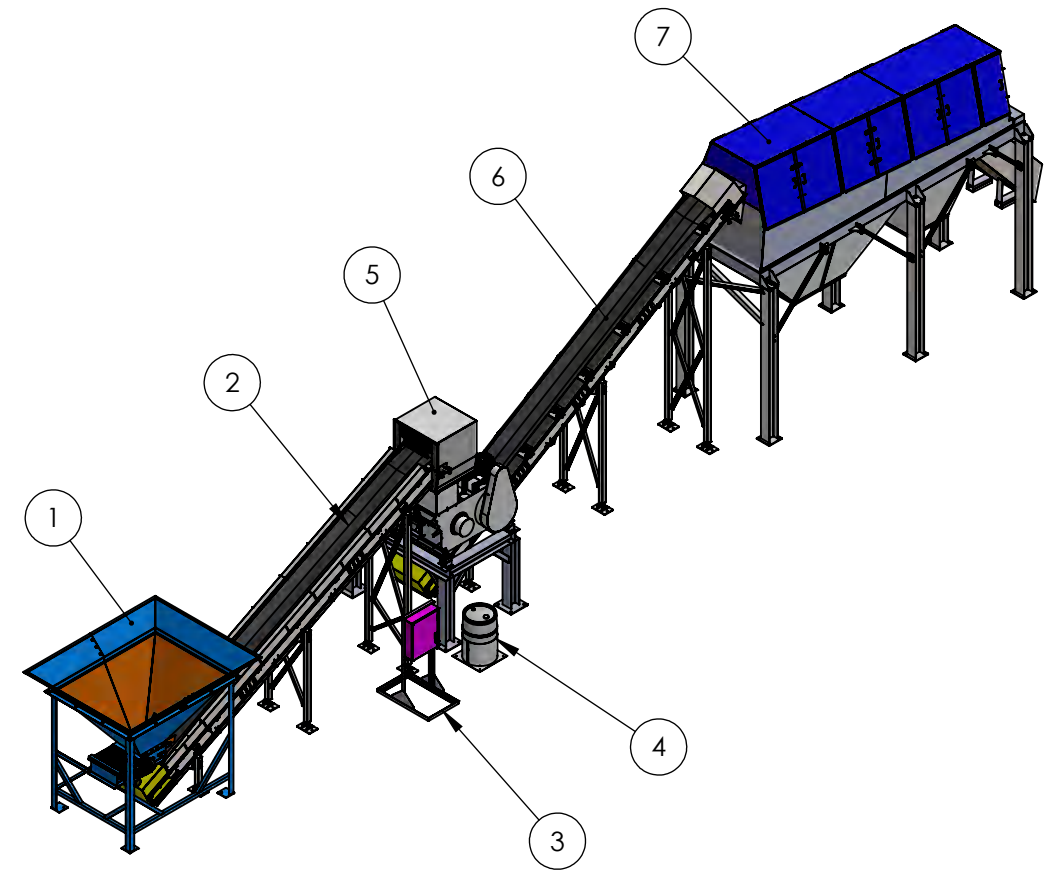
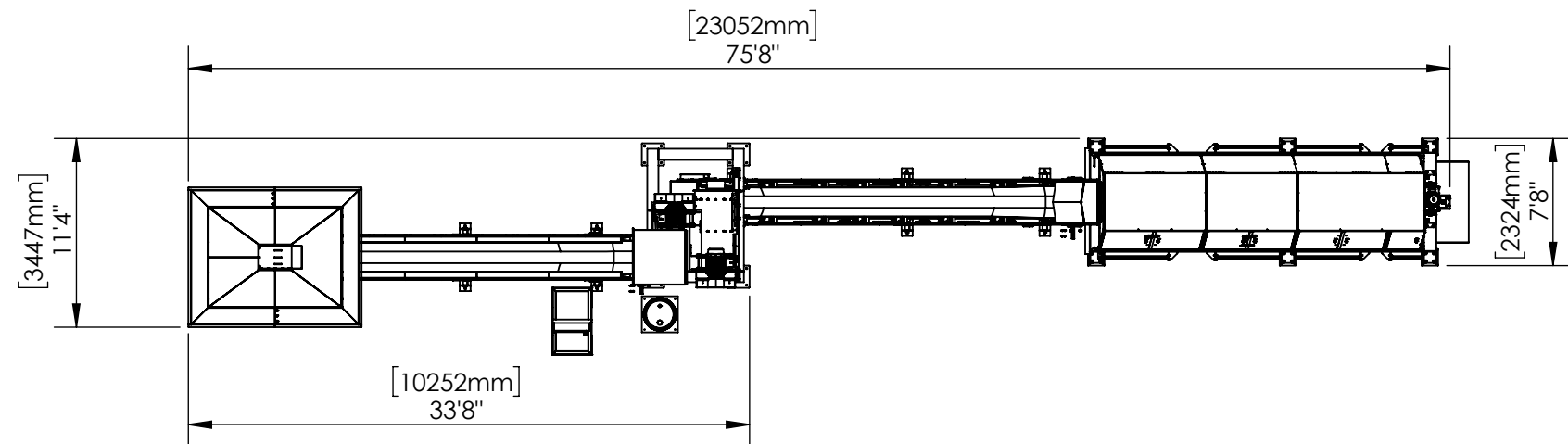
GP-2HD SYSTEM WITH DESTONER

REVISION	DATE
X XXX	XXX XX/XX/XX

FILE NO

OC-000

SHEET 1 OF 1



- 1) COLOR: RAL-5015 BLUE WITH SAFETY YELLOW GUARDS.
DIFFERENT COLORS AVAILABLE BY CUSTOMER REQUEST
- 2) ALL DIMENSIONS ARE REFERENCE DIMENSIONS AND MAY
VARY PER CUSTOMERS SPECIFICATIONS.
- 3) CONTROL PANEL AND MISTING SYSTEM BARREL LOCATIONS
ARE TO BE DETERMINED BY CUSTOMER.

ITEM	DESCRIPTION	H/P	QTY.
1	AMSH86-18 SURGE HOPPER	3 HP	1
2	24" X 26FT CONVEYOR	3 HP	1
3	CONTROL PANEL	N/A	1
4	OPTIONAL MISTING SYSTEM	1/12 HP	1
5	GP2 GLASS PULVERIZER	2 @ 20 HP	1
6	24" X 28FT CONVEYOR	3 HP	1
7	ATROM 105 TROMMEL	7.5 HP	1



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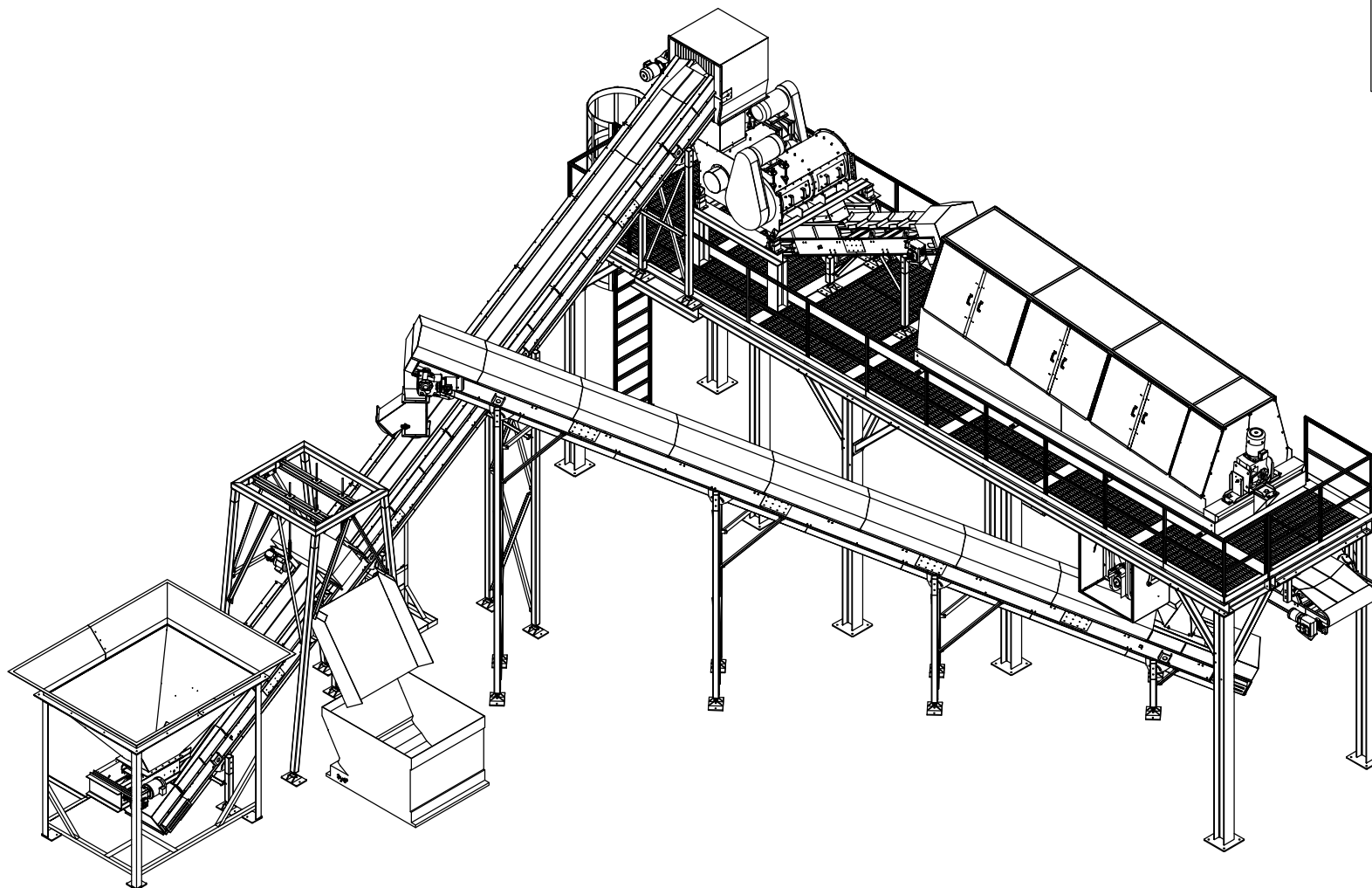
GP2-105 SYSTEM
GP2 GLASS PULVERIZER AND 105
TROMMEL SYSTEM

ANDELA PRODUCTS

REVISION	DATE

FILE NO
GP2-105
SHEET 1 OF 1

NOTE
 DETAILING, PRODUCTION, AND
 COMPONENT PURCHASING WILL NOT
 BEGIN UNTIL ONE (1) SET OF DRAWINGS
 HAS BEEN APPROVED, SIGNED, AND
 RETURNED TO ANDELA PRODUCTS



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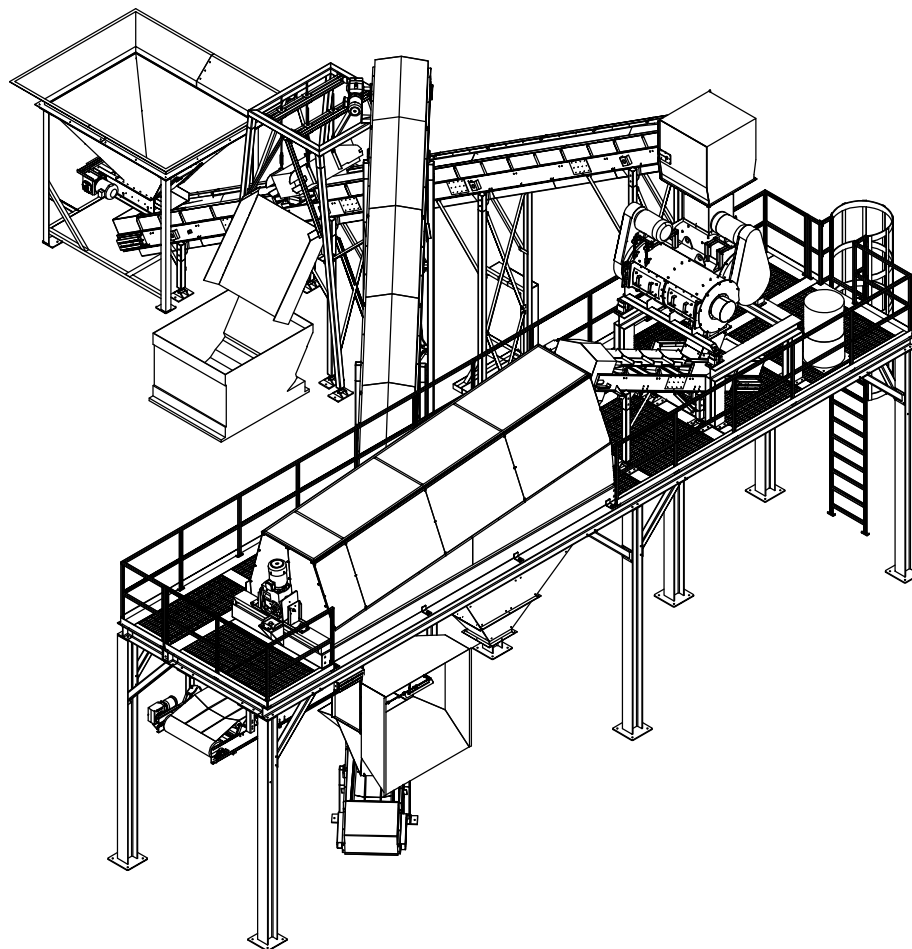
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 2/24/16
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GP2-HD/105 SYSTEM LAYOUT

REVISION		DATE
C	Added diverter on #8	VTB 4/10/16
D	Added Covers to conveyors #3 & 8	VTB 6/30/16

FILE NO
SWC-00
 SHEET 4 OF 5

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DRAWN
 VTB
 DATE
 2/24/16
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 DATE
 SCALE
 1:70

GP2-HD/105 SYSTEM LAYOUT

REVISION		DATE
C	Added diverter on #8	VTB 4/10/16
D	Added Covers to conveyors #3 & 8	VTB 6/30/16

FILE NO

SWC-00
 SHEET 5 OF 5