



Andela

GPT-1HD

Glass Pulverizer/Screenener

**3-5 TPH
Capacity**

**Accepts Bulk Quantities
of Waste Glass Material**

**Generates Glass Sand
and Gravel with Non-
Glass Removed**

**Large Scale Features on a
Small Scale Footprint**

Environmentally friendly

Reduces waste

*Provides cost effective remedy
for environmentally conscious
communities*

ANDELA PRODUCTS

493 State Route 28
Richfield Springs, NY 13439

Phone: (315) 858-0055
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GPT-1HD System



- Pulverizer/trommel combination unit provides a condensed layout ideal for those looking to optimize recycling capacity within a limited space
- Machine design features access doors with bolt in replacement liners and hammers for hassle free maintenance and service
- Dual screening trommel size separates glass sand and gravel product for potential resale
- Material uses include: backfill, drainage, filtration media, glass-phalt, decorative landscape mulch and so much more!
- **Simple Operation & Maintenance**
- **Easy Installation**
- **Reasonably Priced**
- **Lined Wear Surfaces for Added Durability**
- **Single Frame Construction**
- **Generates Glass Product with No Sharp Edges**

ANDELA GLASS PULVERIZER
MODEL GPT-1HD
(3-5 tons/hr. capacity)
MACHINE SPECIFICATIONS

Dimensions

Overall Length Approx. 14 ft.
Overall Width Approx. 5 ft. 4 in.
Overall Height Approx. 9 ft.

Pulverizer

Machine Input Opening..... 14” x 14”
Input Chamber Diameter and Length 20” x 44”
Chamber TypeSteel Frame & Heavy Duty Support Stand
Liners Bolt-in Heavy Duty Abrasion Resistant Steel
Motor SizeOne (1) 10 hp TEFC
Solid Steel Shaft Diameter 2.5” Dia.
Number of Hammers24
Hammer Type.....Flexible Impactor/Hardened Steel
Bearing Size 2.5” Dia. Heavy Duty
Seal Protection..... Two (2) Seals at Shaft Bearing

Trommel

Screen #1 30” OD x 3’ long, 3/16” or to specification
Screen #2 30” OD x 3’ long, 7/16” or to specification
Screen Type Stainless Steel Woven Wire
Rotating Brushes (2) - 7” diameter
Motor Size (1) 1 1/2 hp
Direct Drive SystemTotally Enclosed Gear Reducer, Flexible Mount

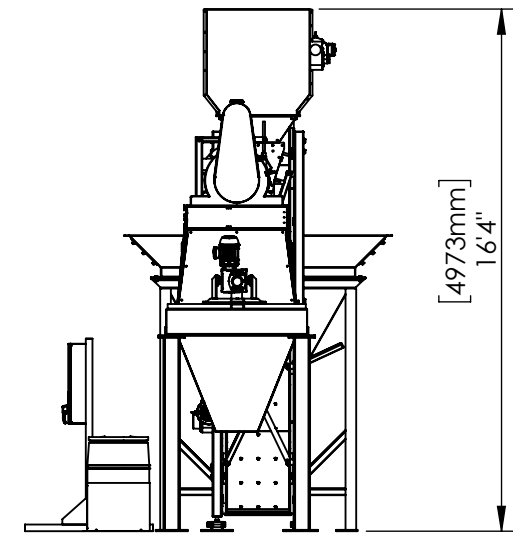
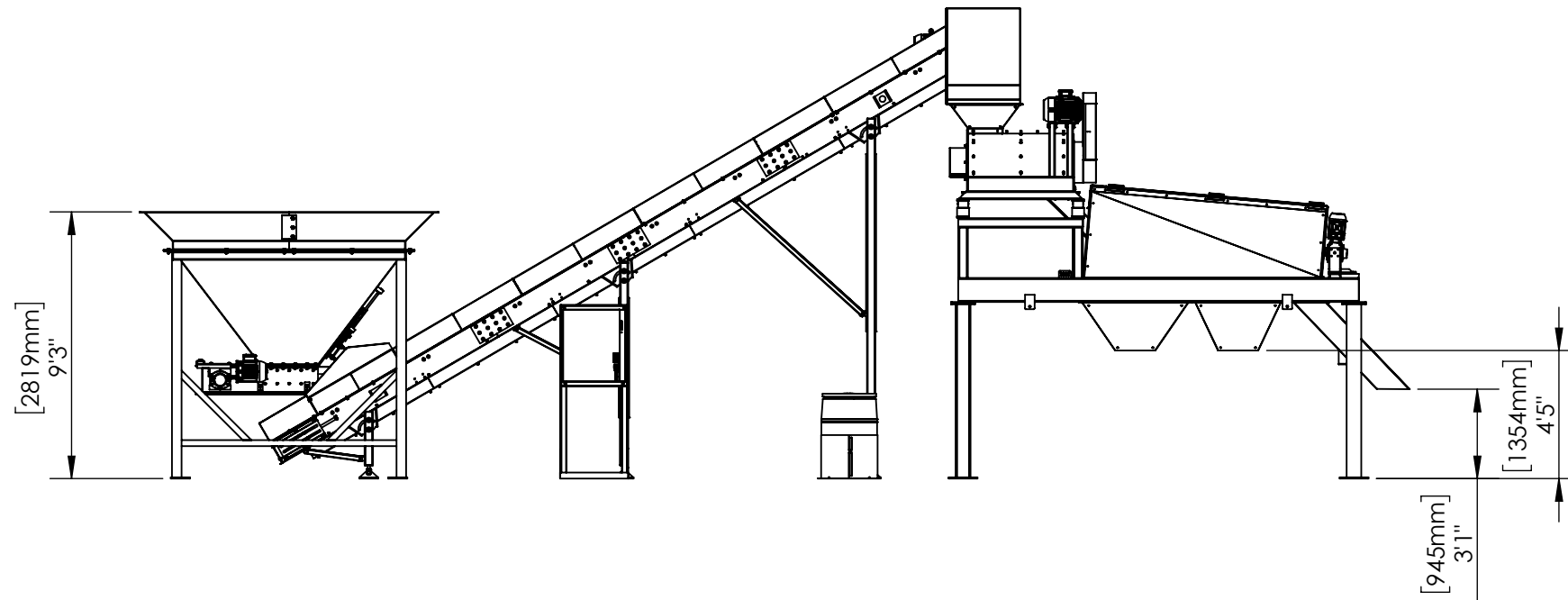
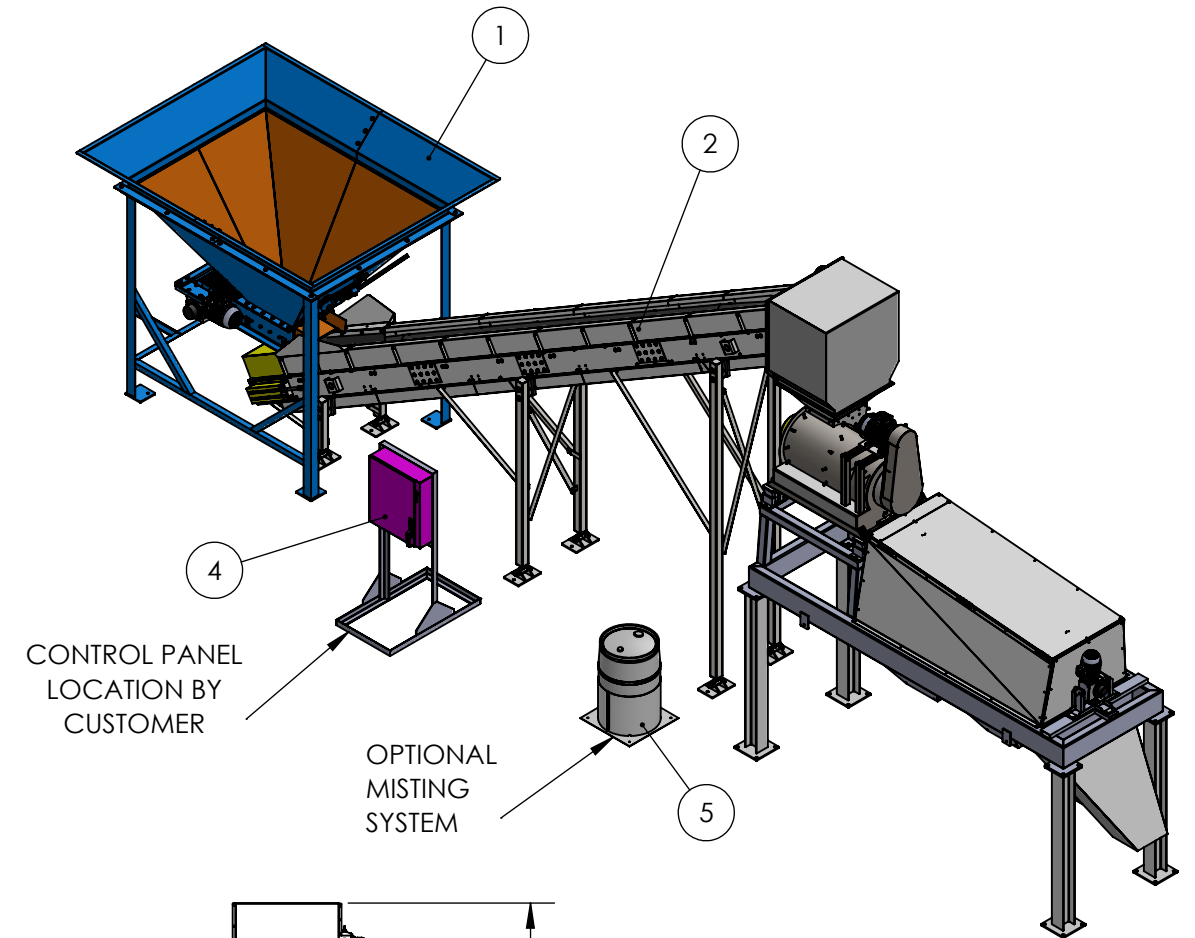
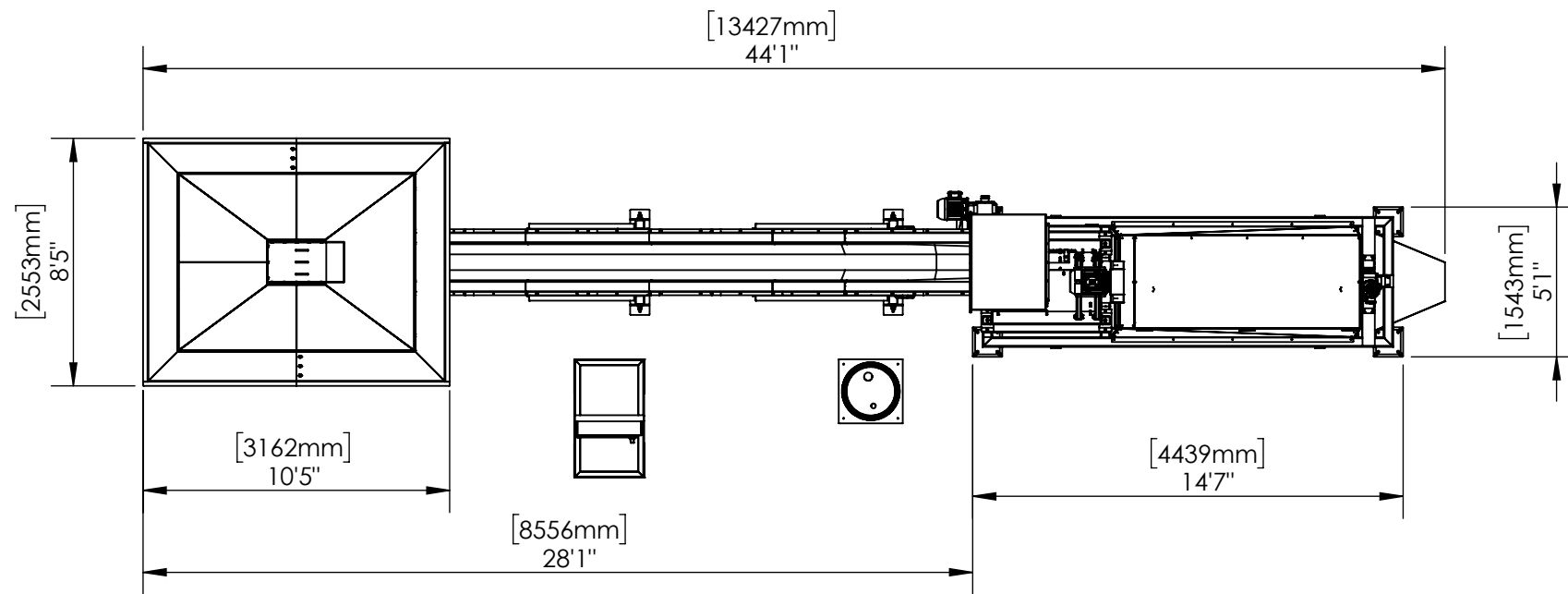
Safety & Maintenance Features

Protective GuardsCover Input Hopper, Drive Unit and Bearings
Maintenance Features..... Central lubrication Block, External Mount
Enclosure Complete Sheet Metal Enclosure
..... Hinged Service Door for Primary Chamber Inspection, Screen & Brushes
Dust Control Misting System Submersible Pump with Adjustable Spray Nozzle

Electrical

Motor Voltage230/460 VAC, 60 HZ, 3 Phase
(Motor VAC and HZ provided to customer specifications)

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



ITEM	DESCRIPTION	HP	QTY
1	AMSH86 SURGE HOPPER	3 HP	1
2	18" X 28' CONVEYOR	3 HP	1
3	GPT1-1HD GLASS PULVERIZER	10 HP / 1.5 HP	1
4	CONTROL PANEL	N/A	1
5	OPTIONAL MISTING SYSTEM	1/12 HP	1



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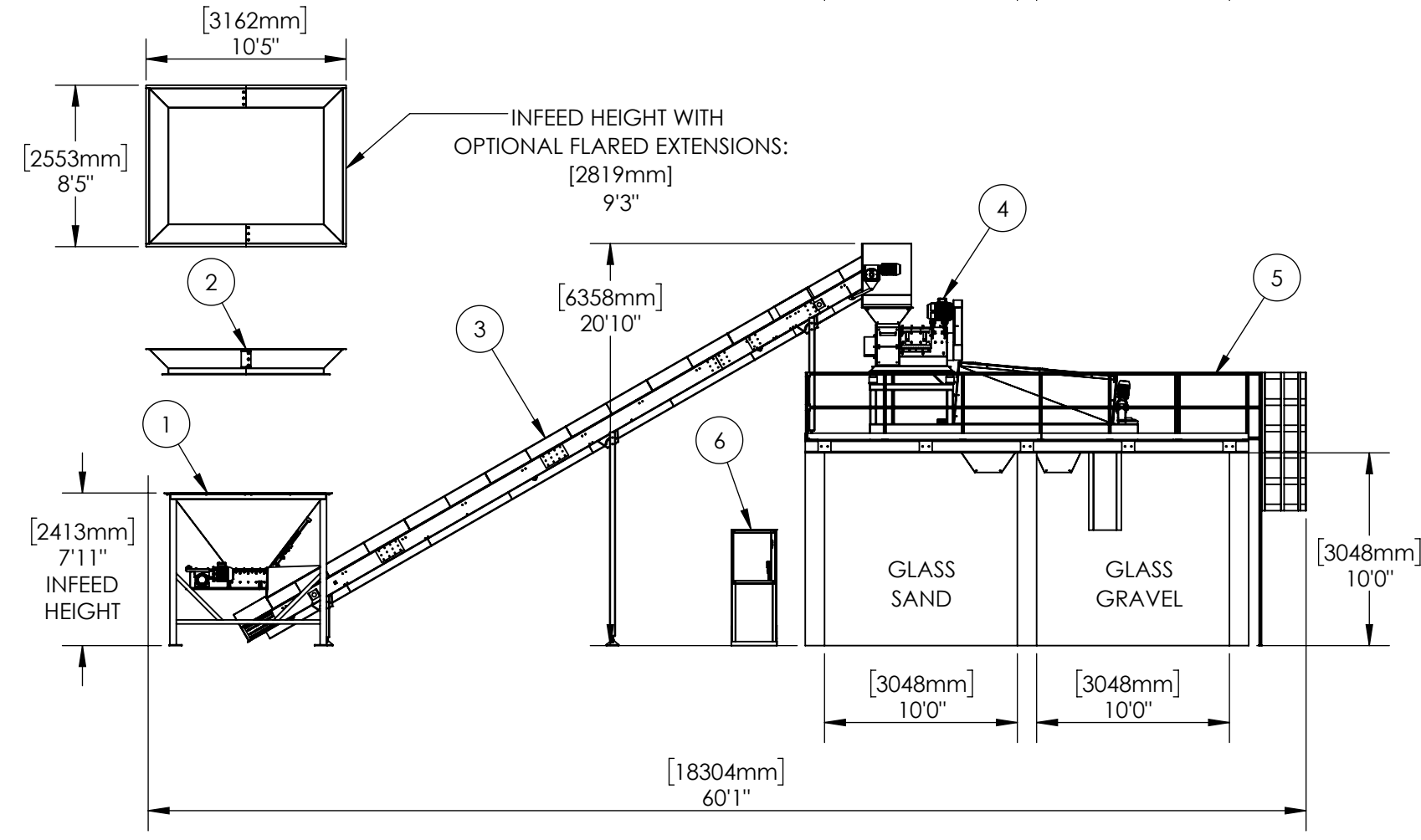
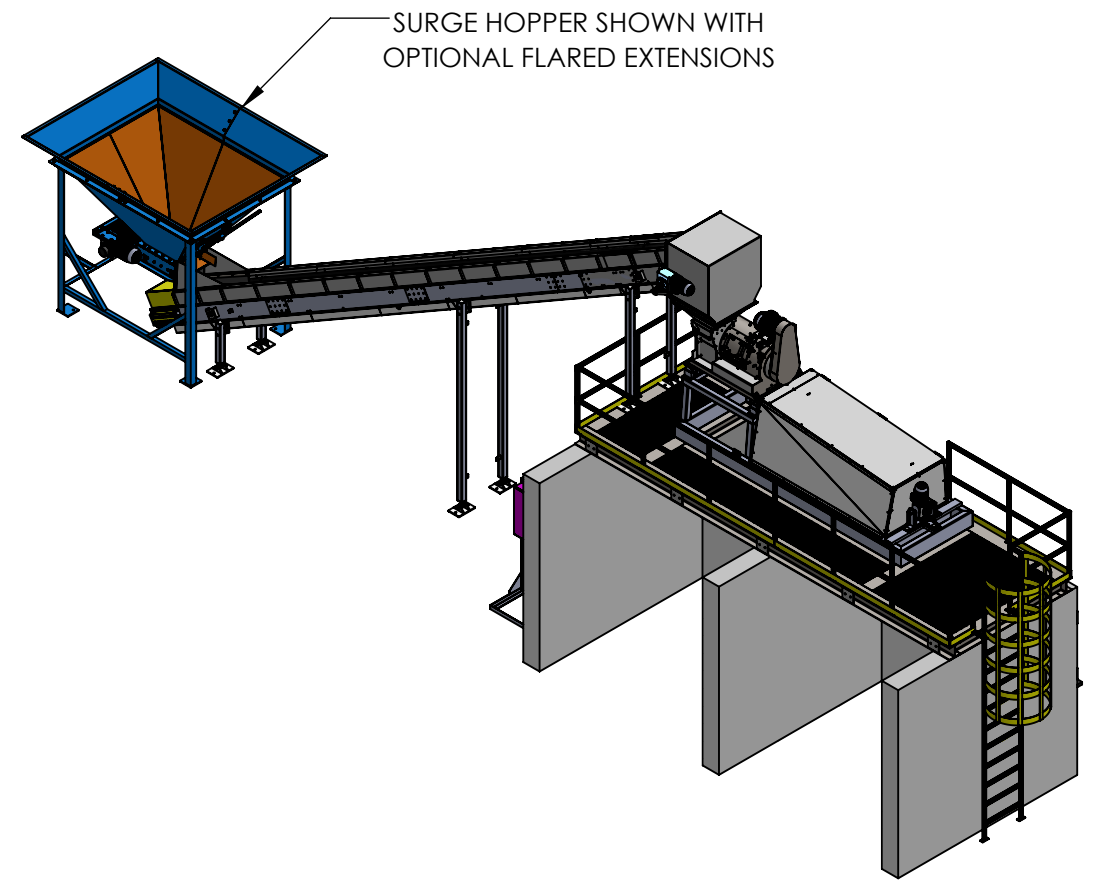
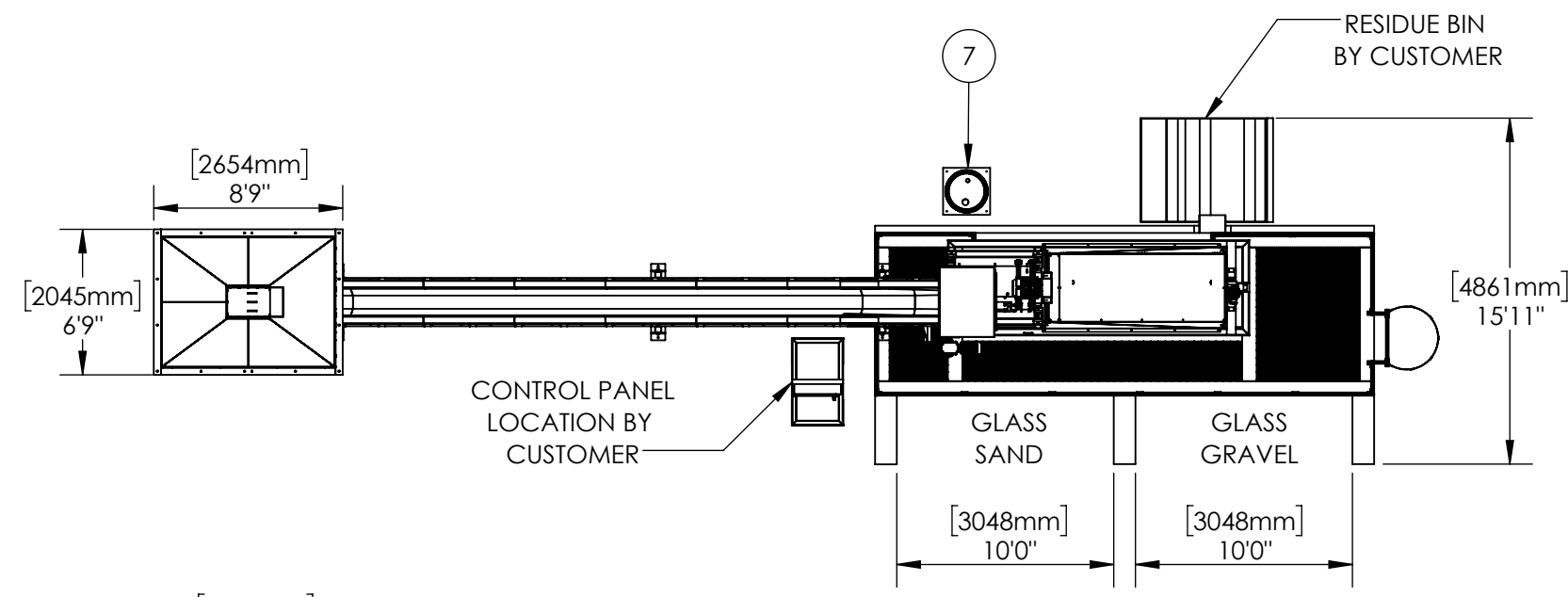
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GPT1-1HD SYSTEM
GPT1-1HD SYSTEM LAYOUT

ANDELA PRODUCTS

REVISION	DATE	FILE NO

GPT1-1HD
SHEET 1 OF 1



ITEM NO.	DESCRIPTION	HP
1	AMSH86 SURGE HOPPER	3 HP
2	OPTIONAL FLARED EXTENSIONS	N/A
3	18" x 42' TR CONVEYOR	5 HP
4	GPT-1HD PULVERIZER	10 HP/1.5 HP
5	SERVICE PLATFORM	N/A
6	CONTROL PANEL	N/A
7	OPTIONAL MISTING SYSTEM	1/12 HP



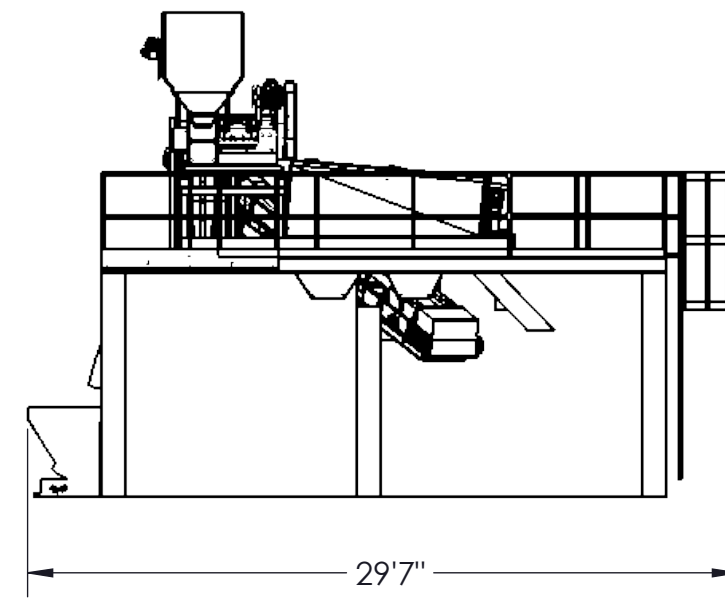
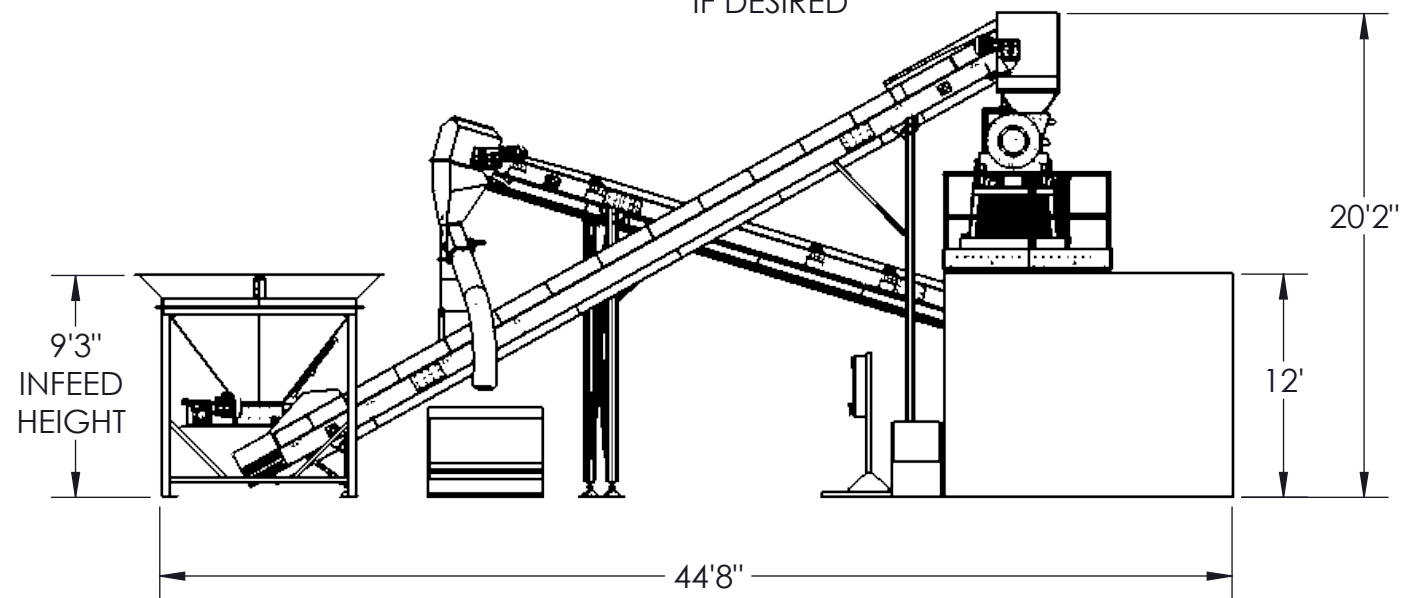
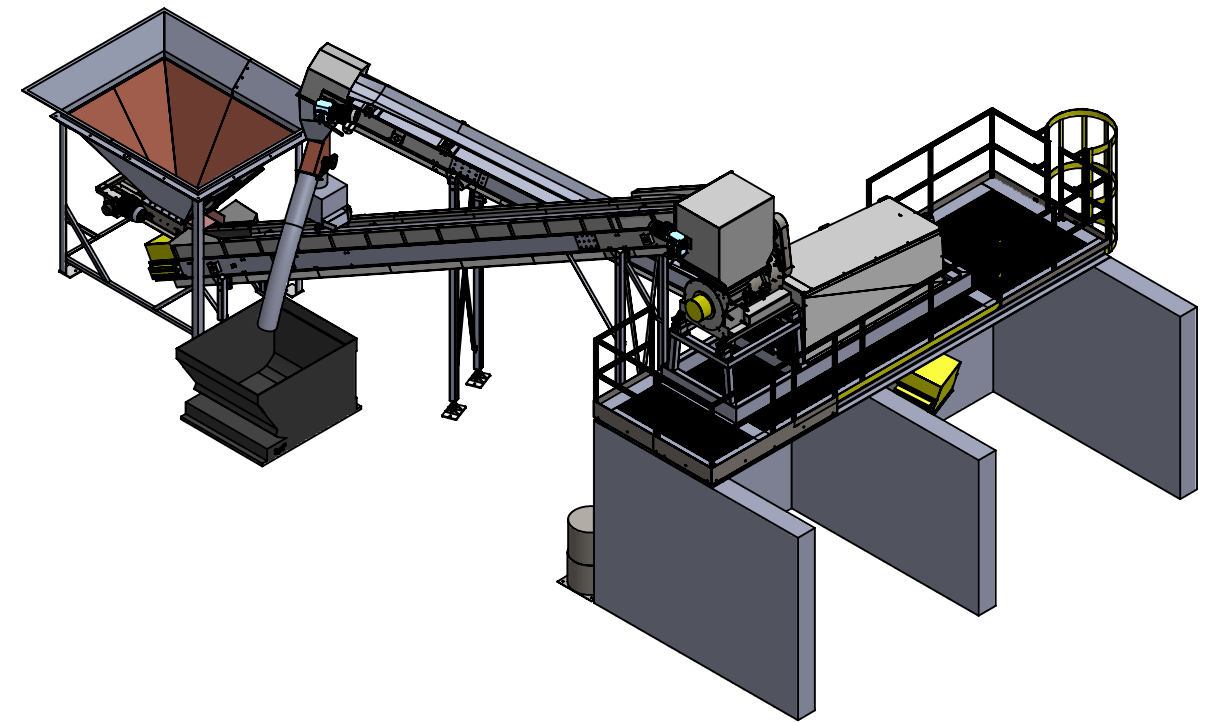
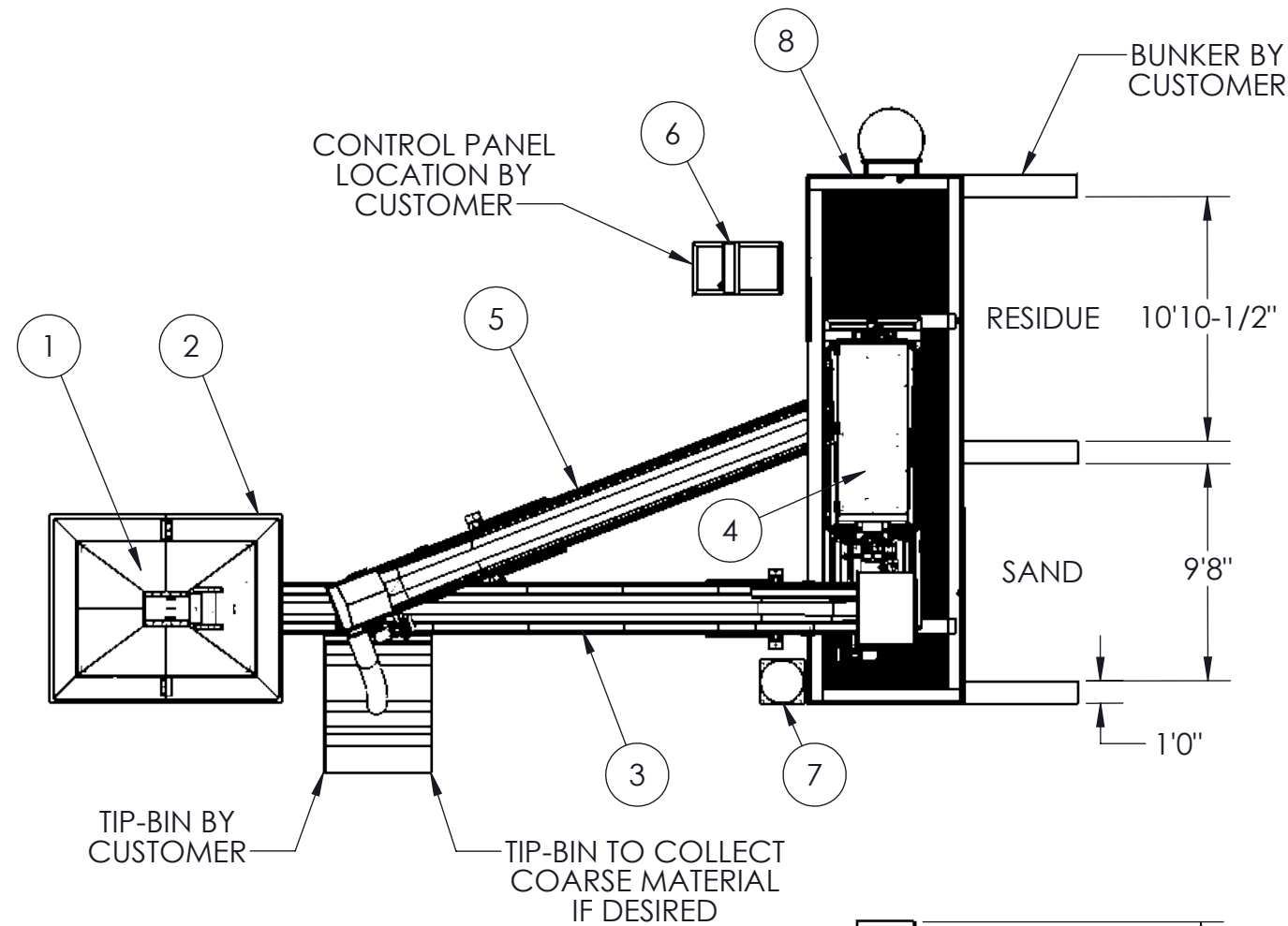
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DRAWN	BMT
DATE	4/21/2021
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SCALE	1" = 100'

GPT-1HD SYSTEM ON BUNKER

REVISION	DATE	FILE NO

GPT-1HD
SHEET 1 OF 1



ITEM NO.	DESCRIPTION	HP
1	AMSH-86-18	3 Hp
2	Optional Flared Extensions	N/A
3	18"x37' GPT-1HD Infeed Conveyor	5 Hp
4	GPT-1HD Pulverizer	10 Hp/1.5 Hp
5	18"x30' Recirc Conveyor	3 Hp
6	Control Panel	N/A
7	Optional Misting System	1/12 Hp
8	Service Platform	N/A



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GPT-1HD-BR
GPT1-HD SYSTEM ON BUNKERS W/
RECIRC

ANDELA PRODUCTS

REVISION	DATE	FILE NO

GPT-1HD-BR

SHEET 1 OF 1



Andela

Hoppers

Surge Hopper

**Evenly Distributes
Material**

**Essential for Bulk
Loading**

Models:

AMSH86-12

AMSH86-18

AMSH86-24

Environmentally friendly

Reduces waste

*Provides cost effective remedy
for environmentally conscious
communities*

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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
- 12", 18" or 24" wide Discharge
- Abrasion Resistant Materials on All Wear Surfaces

**ANDELA METERING SURGE HOPPER
MODEL AMSH86-18FS
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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and specifications without notice.



Andela

Conveyors

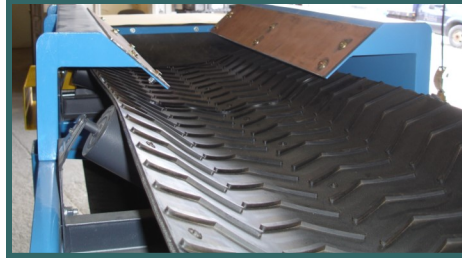
Belt Width Options:
18", 24", 30" & 36"

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 cleared 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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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.