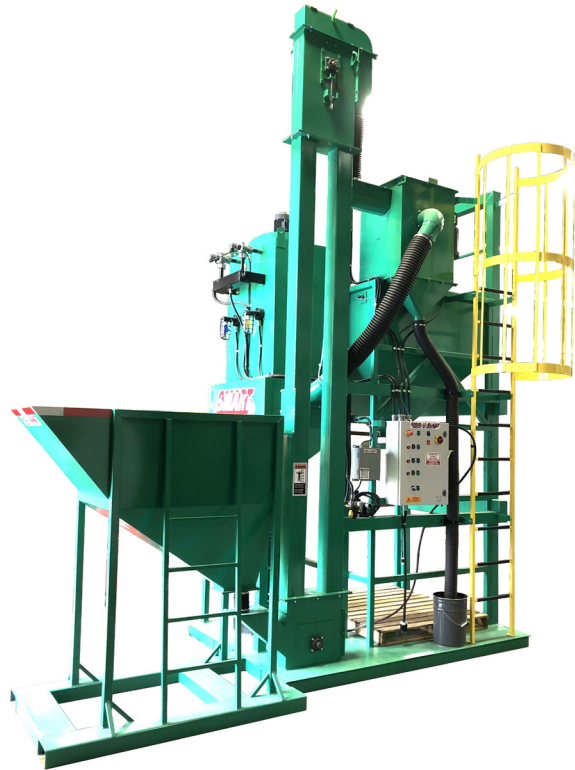




# MOD-U-BLAST® SMART™ SKID MOUNTED ABRASIVE RECOVERY TOWER



**MOD-U-BLAST**®



Powered by **ALLREDI**.

## PART NUMBERS AND SCHEMATICS GUIDE

## Company Profile

Allredi was formed in the early 2020, when two of the largest distributors in the blasting, coating, safety, and environmental industry, APE Companies and Marco Group International, joined forces. While the qualities both companies are known for have not changed, a lot about our business is new. New abilities. New agilities. New ways to help you win. This calls for a new name, Allredi.

This name exemplifies what we have become. It is completely oriented to the needs of our customers. To your needs. It says that when you call us for anything – products, service, expert advice, anything – you can consider it done. Or even better, Allredi done.

We are your right-now supplier. From skills to SKUs, we deliver the goods fast. So you can be more agile every minute, every day. This is who we are. This is what our new name means. Go ahead and expect excellence, because we're bringing it.

## Our Mission and Vision

To be the industry's preferred partner in surface preparation solutions through unrivaled technical expertise, customer experience, product availability, and tailored service offerings.

## The Allredi Difference

- **Industry Experience** – With Allredi on your team, you have access to expertise which can only come from decades of industry leadership. We have organized our engineering department, production specialists, customer operations, and safety support into a "Center of Competence." As an Allredi customer, you have access to hundreds of years of cumulative experience related to your operations.
- **Manufacturing Excellence** – Allredi is a U.S. based manufacturer of equipment for the Surface Preparation and Protective Coatings industries. Allredi's engineers benchmark the industry to ensure that we design and manufacture superior products that set the "Gold Standard" for performance, safety, and quality.
- **Legendary Customer Service** – Allredi's legendary customer service team is staffed by friendly, highly-trained individuals who are focused on providing the highest level of product support, order accuracy, and customer satisfaction.
- **Product Availability** – We stock over 10,000 SKU's and have over 45 shipping locations to serve North American and International markets for all major brands of blasting, coating, environmental, and safety equipment. Allredi is your right-now supplier, so you can keep your projects moving. From our foundation of strong relationships, we have built a nationwide network that puts vast inventory and ready service close to our customers. We provide advanced expertise, and we deliver the goods fast – so you can easily access the products and services you need to be more agile every minute, every day.
- **Technology Leadership** – Our website provides: Operator's Manuals, Part Numbers and Schematics Guides, SDS information, and key product features and specifications, providing access to information 24/7.

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## PART NUMBERS

### MOD-U-BLAST® SMART™ SYSTEM SKID MOUNTED ABRASIVE RECOVERY TOWER

<b>Part Numbers</b>	<b>Hopper</b>	<b>Required Power Source</b>	<b>Bucket Elevator</b>	<b>Air Wash Classifier</b>	<b>Dust Collector</b>	<b>Storage Hopper</b>	<b>Emergency Stop</b>
<b>1072158</b>	Auger Feed	120-Volt, 6 Amp	1-1/2 Hp Motor	X	X	40 Cu. Ft.	X
<b>10MANMBSMARTGFH</b>	Gravity Feed	120-Volt, 6 Amp	1-1/2 Hp Motor	X	X	40 Cu. Ft.	X



**1072158**



**10MANMBSMARTGFH**

# SPECIFICATIONS

<b>Control Panel Voltage:</b>	230-Volt, 3-Phase, 60HZ
<b>Bucket Elevator Motor:</b>	1-1/2 HP Motor
<b>Air Wash Classifier Motor:</b>	1/2 HP Motor
<b>Dust Collector Hopper at Capacity Warning Lights:</b>	Blue on panel - RED external on Dust Collector
<b>Storage Hopper at Capacity Warning Lights:</b>	Blue on panel - AMBER external on Hopper
<b>Reclaimed Media Storage Hopper Capacity:</b>	40 Cu Ft
<b>Dust Collector Hopper Capacity:</b>	20 Cu Ft
<b>Dust Collector Filter Cartridges:</b>	280 Pleated Filter Cartridges ( <i>Quantity Two</i> )
<b>Recycling Capabilities:</b>	7 Tons per Hour
<b>Auger Feed Hopper:</b>	Capacity: 30 Cu Ft Weight: 1200 pounds
<b>Gravity Feed Hopper</b>	Capacity: 20 Cu Ft Weight: 600 pounds
<b>SMART Unit (No Hopper):</b>	Weight: 4850 pounds (empty)
<b>SMART Unit Dimensions (Standing):</b>	Length: 113" Width: 105" Height: 198"
<b>SMART Unit Dimensions (Transport):</b>	Length: 189" Width: 73" Height: 113"
<b>Lifting Lug Ratings:</b>	6800 Lbs Each ( <i>Includes Two</i> )
<b>Strap Ratings:</b>	8800 Lbs Each ( <i>Includes Two</i> )
<b>Anchor Shackles:</b>	6.5 Ton Working Load Limit ( <i>Includes Two</i> )

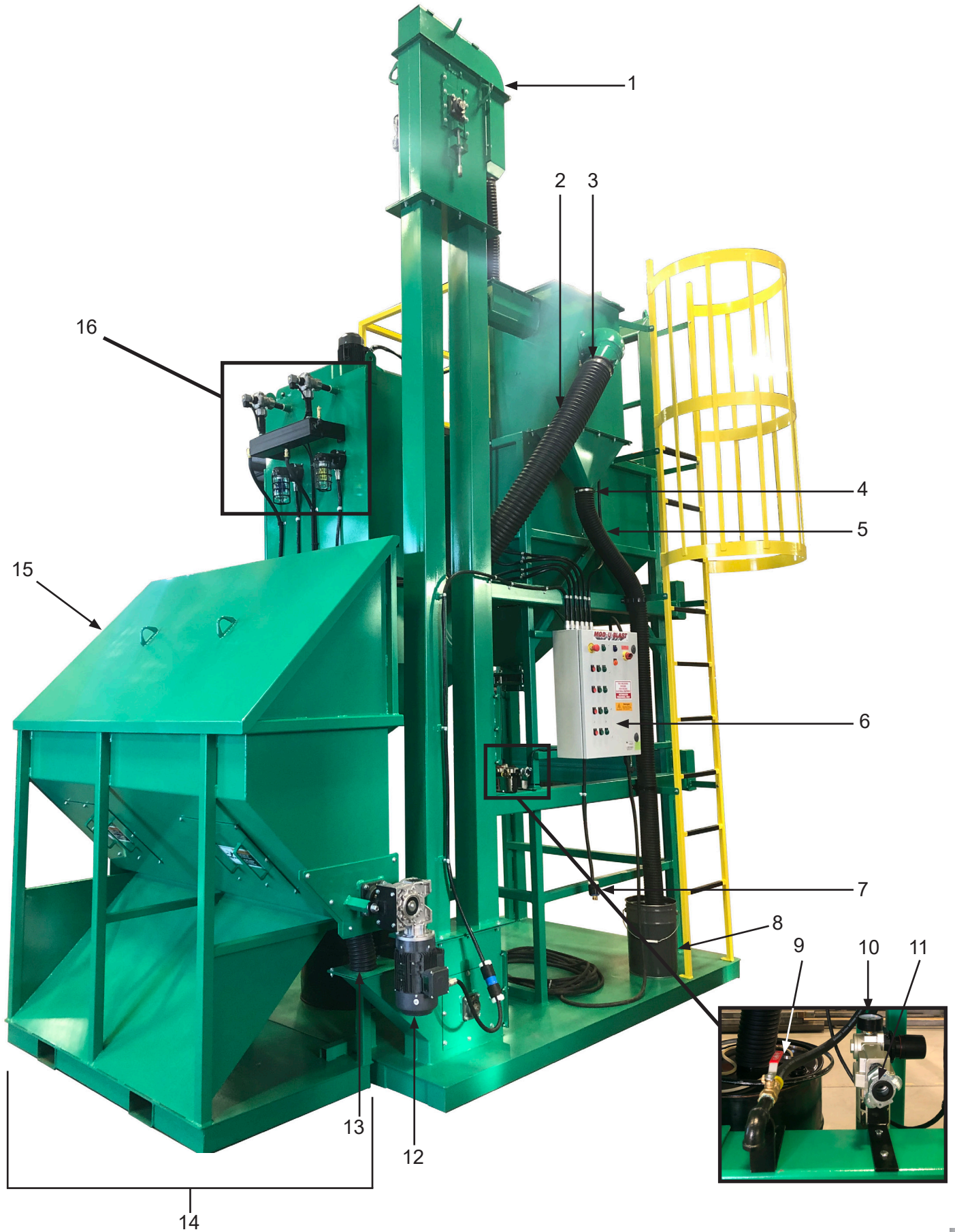
## PART NUMBERS & SCHEMATICS

Figure 1: SMART System with Auger Feed

Item #	Part #	Description
<b>Fig. 1</b>		
—	<b>1072158</b>	<b>Skid Mounted Abrasive Recycling Tower with Auger Hopper</b>
1	—	Elevator System (See Figure 3 and 4)
2	16060RL	6" Rubber Lined Flex Hose
3	11569	6" Heavy-Duty Clamp
4	11577	4" Clamp
5	16040	4" Flex Hose
6	271004SM	Panel, Control, 480-Volt/12-Volt, 4 Motors, SMART
7	21256	Plug, Twistlock, Female, 2 Pole
8	164305	Pail, 5 Gallon, w/o Lid, Reverse Pulse Dust Collector
9	65750	1/2" Brass Ball Valve
10	50-3350	1/2" Parker Regulator with Gauge
11	CP03S	3/8" Forged Steel Pipe Coupler
12	ARCMGS	Motor, Gearbox, 1 hp for 9' Screw
13	16040RL	4" Rubber Lined Flex Hose
14	—	Auger Feed Hopper (See Figure 6)
15	SPCOVER	Cover
16	—	Dust Collector (See Figure 3 and 4)

# PART NUMBERS & SCHEMATICS

Figure 1: SMART System with Auger Feed



## PART NUMBERS & SCHEMATICS GUIDE

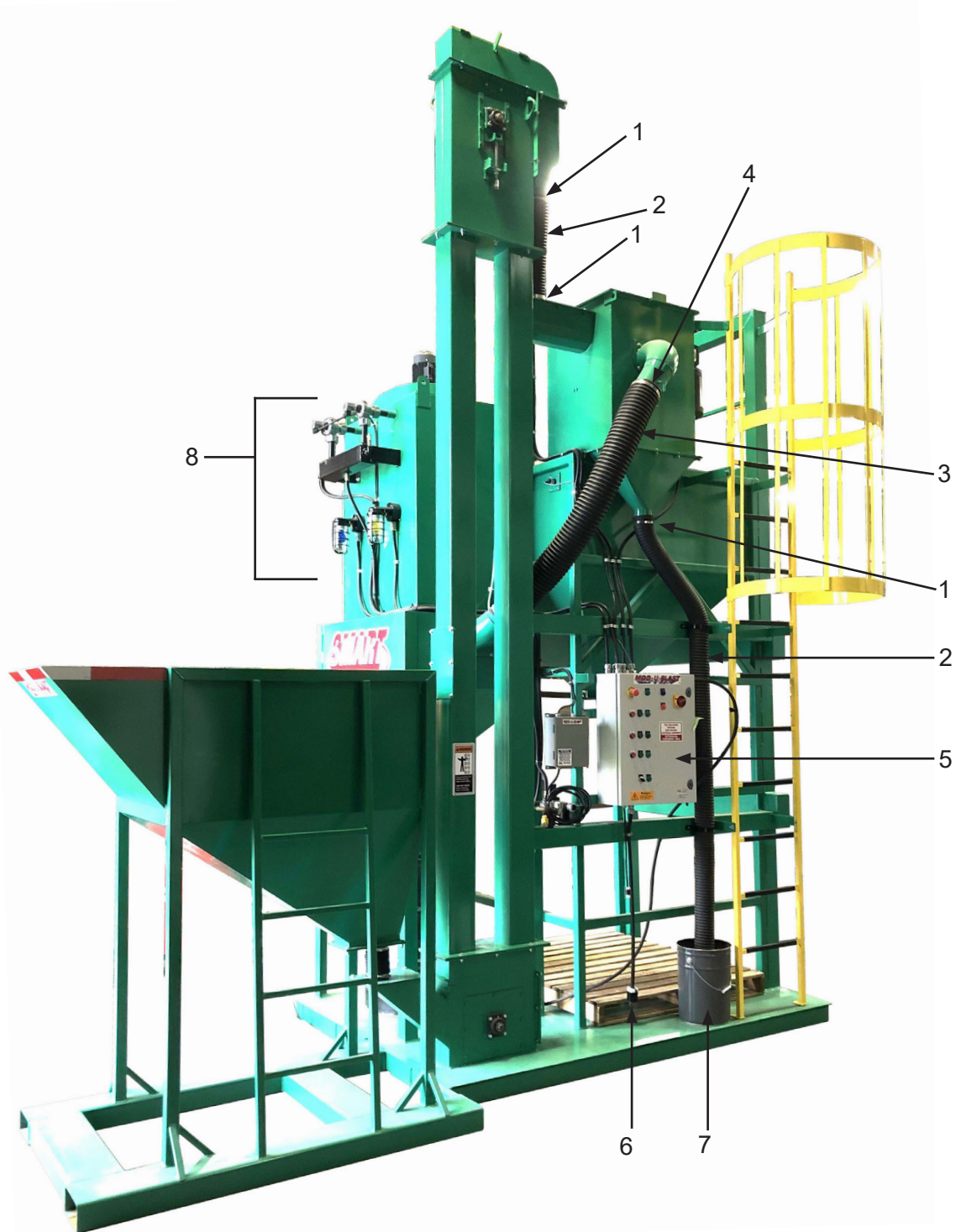
Figure 2: SMART System with Gravity Feed Hopper

Item #	Part #	Description
<b>Fig. 2</b>		
—	<b>10MANMBSMARTGFH</b>	<b>Skid Mounted Abrasive Recycling Tower with Gravity Feed Hopper</b>
1	11567	Clamp
2	16040RL	Flex Hose
3	11569	Clamp
4	16060RL	Flex Hose
5	271003SM	Panel, Control, 230-Volt/12-Volt, 3 Motors
6	21256	2-Prong Twistlock Plug
7	164305	5 Gallon Pail without Lid
8	—	Dust Collector Lights ( <i>See Figure 3 and 4</i> )



# PART NUMBERS & SCHEMATICS GUIDE

Figure 2: SMART System with Gravity Feed Hopper



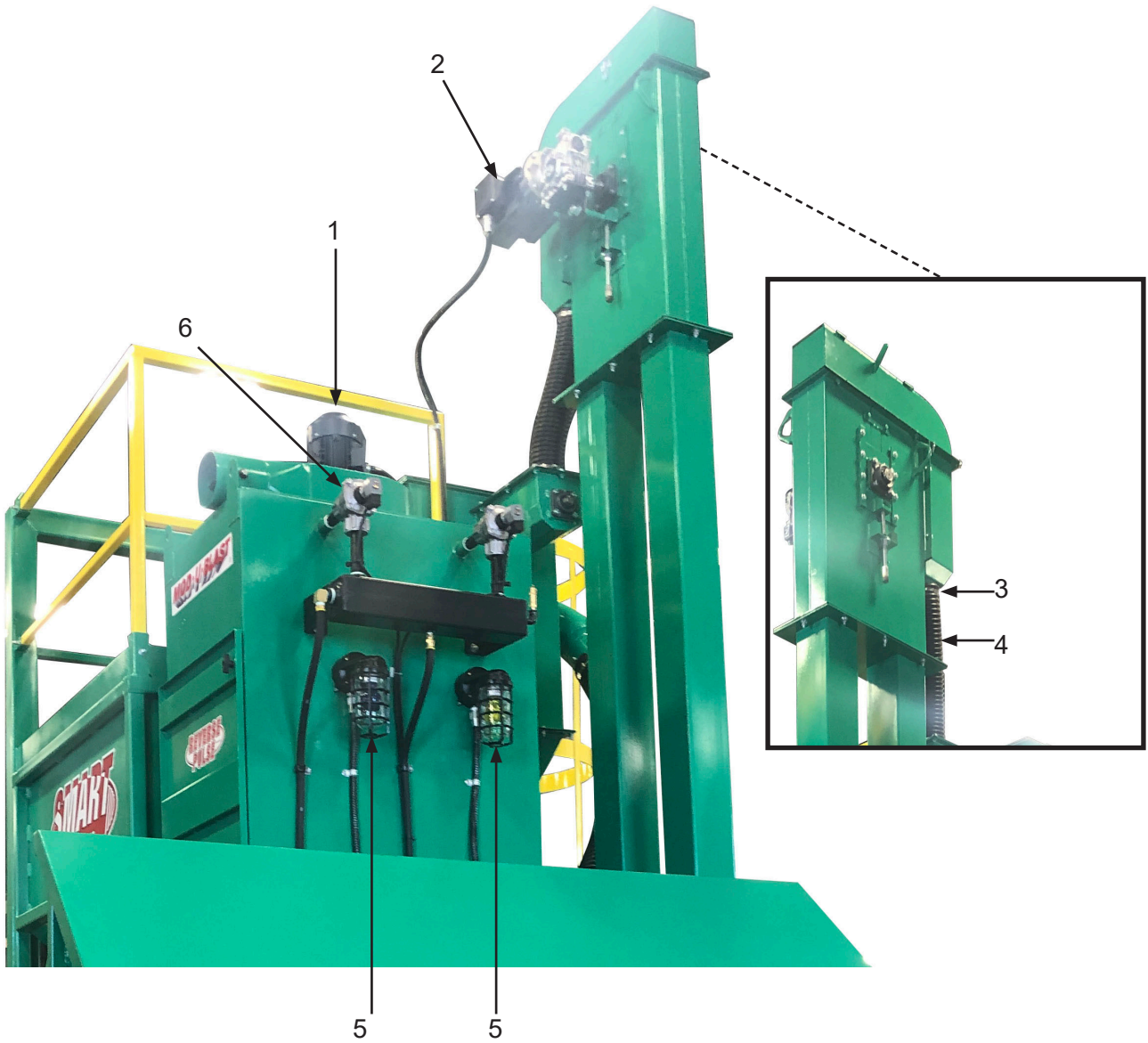
## PART NUMBERS & SCHEMATICS

Figure 3: SMART System Elevator & Dust Collector Parts, Left Side

Item #	Part #	Description
<b>Fig. 3</b>		
1	ARCMGA	Motor, Gearbox, ½ hp for Airwash
2	ARCMGE	Motor, Gearbox, 1½ hp for Elevator
3	11567	4" Heavy-Duty Clamp
4	16040RL	4" Rubber Lined Flex Hose
5	SPDVBKS100CG	Light fixture, Wall Mount ( <i>Two Required</i> )
6	SPRCAC25DD	1" Diaphragm Valve
—	1011507	Dust Collector Filter Cartridges ( <i>Two Required</i> )

# PART NUMBERS & SCHEMATICS

Figure 3: SMART System Elevator & Dust Collector Parts, Left Side



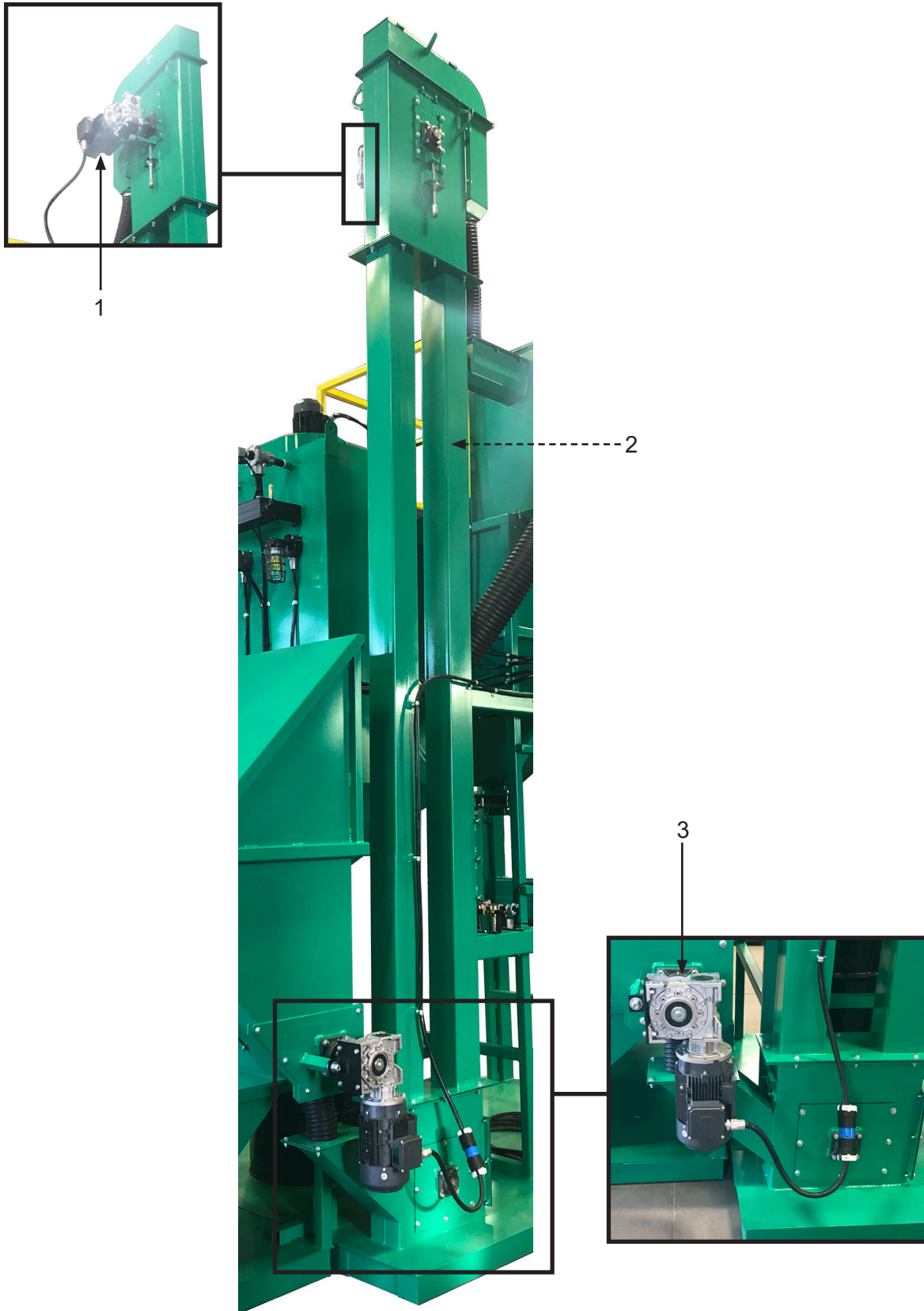
## PART NUMBERS & SCHEMATICS

Figure 4: SMART System Elevator & Dust Collector Parts, Right Side

Item #	Part #	Description
<b>Fig. 4</b>		
1	ARCMGE	Motor, Gearbox, 1½ hp for Elevator
2	ARCB	3-1/2" Heavy-Duty Conveyor Belt ( <i>Per Foot, 45' Req., Not Shown</i> )
—	ARC2009B	Bucket, Only, for Bucket Elevator
—	ARC2009BB1	Bucket Elevator, Bottom, Below Floor
—	ARC2009BT	Bucket Elevator, Top
—	ARC2009BSS	Shaft, Bucket Elevator, 140"
3	ARCMGS	Motor, Gearbox, 1 hp for 9' Screw ( <i>Auger Feed System only</i> )
—	1011507	Dust Collector Filter Cartridges ( <i>Two Required</i> )

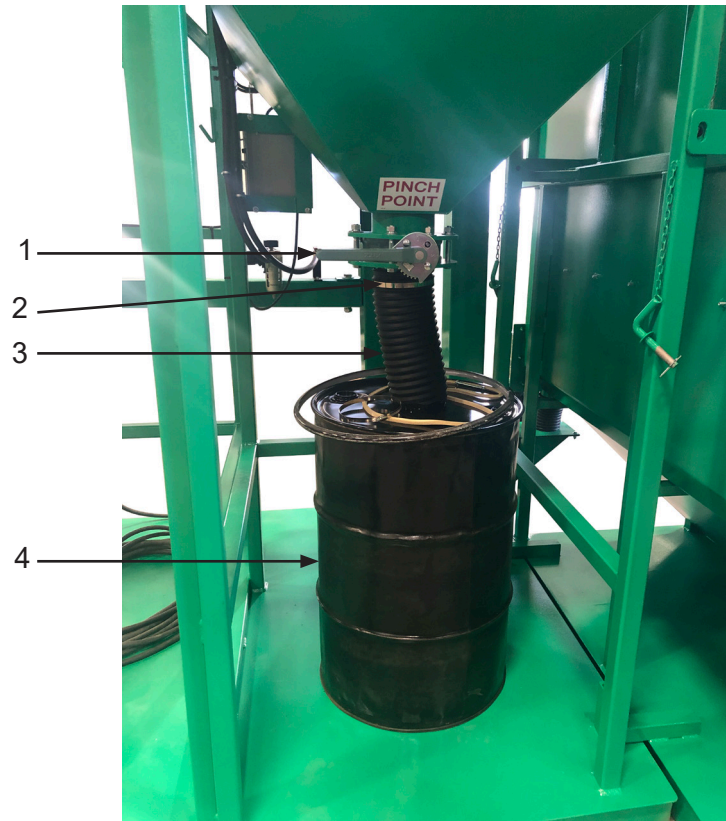
# PART NUMBERS & SCHEMATICS

Figure 4: SMART System Elevator & Dust Collector Parts, Right Side



# PART NUMBERS & SCHEMATICS GUIDE

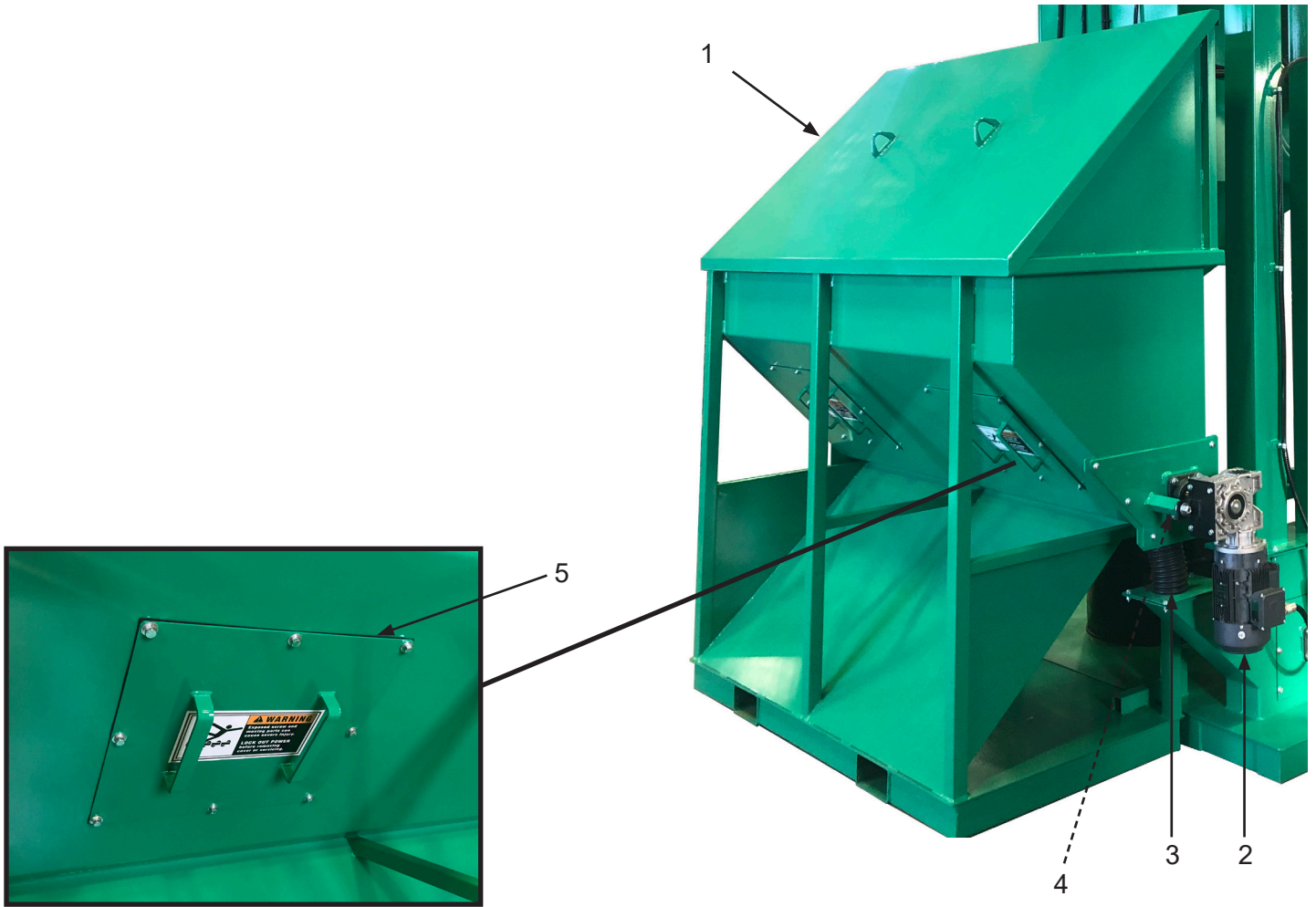
Figure 5: Discharge System



Item #	Part #	Description
<b>Fig. 5</b>		
1	270047	6" Butterfly Valve
2	11569	6.25" - 6.56" T-Bolt Clamp
3	16060RL	6" Rubber Lined Flex Hose
4	16434	45 Gallon Drum w/ Lid & Clamp

# PART NUMBERS & SCHEMATICS GUIDE

Figure 6: SMART System Auger Feed & Hopper



Item #	Part #	Description
<b>Fig. 6</b>		
1	SPCOVER	Cover
2	ARCMGS	Motor, Gearbox, 1 hp for 9' Screw
3	16040	4" Flex Hose
4	ARC2007S	7' Screw Auger Assembly ( <i>not shown</i> )
5	124332	Gasket

## PART NUMBERS & SCHEMATICS GUIDE

Figure 7: SMART System with Gravity Feed Hopper - Left Side

Item #	Part #	Description
<b>Fig. 7</b>		
1	ARCMGE	Motor, Gearbox, 1-1/2 Hp for Elevator
2	ARC2009B	Bucket, Only, for Bucket Elevator
—	ARC2009BB1	Bucket Elevator, Bottom, Below Floor
—	ARC2009BT	Bucket Elevator, Top
—	ARC2009BSS	Shaft, Bucket Elevator, 140"
—	ARCB	Belt, Conveyor, for Bucket Elevators, Per Foot
3	SPDVBKS100CG	Light fixture, Wall Mount
4	M6002C	Dust Collector, Reverse Pulse, 600 cfm
5	270047	Valve, 6" Butterfly
6	16060	6" Flex Hose, Medium-Duty
7	16434	45 Gallon Drum with Lid & Clamp
8	ARC2009SHS	40 Cu Ft Storage Hopper



# PART NUMBERS & SCHEMATICS GUIDE

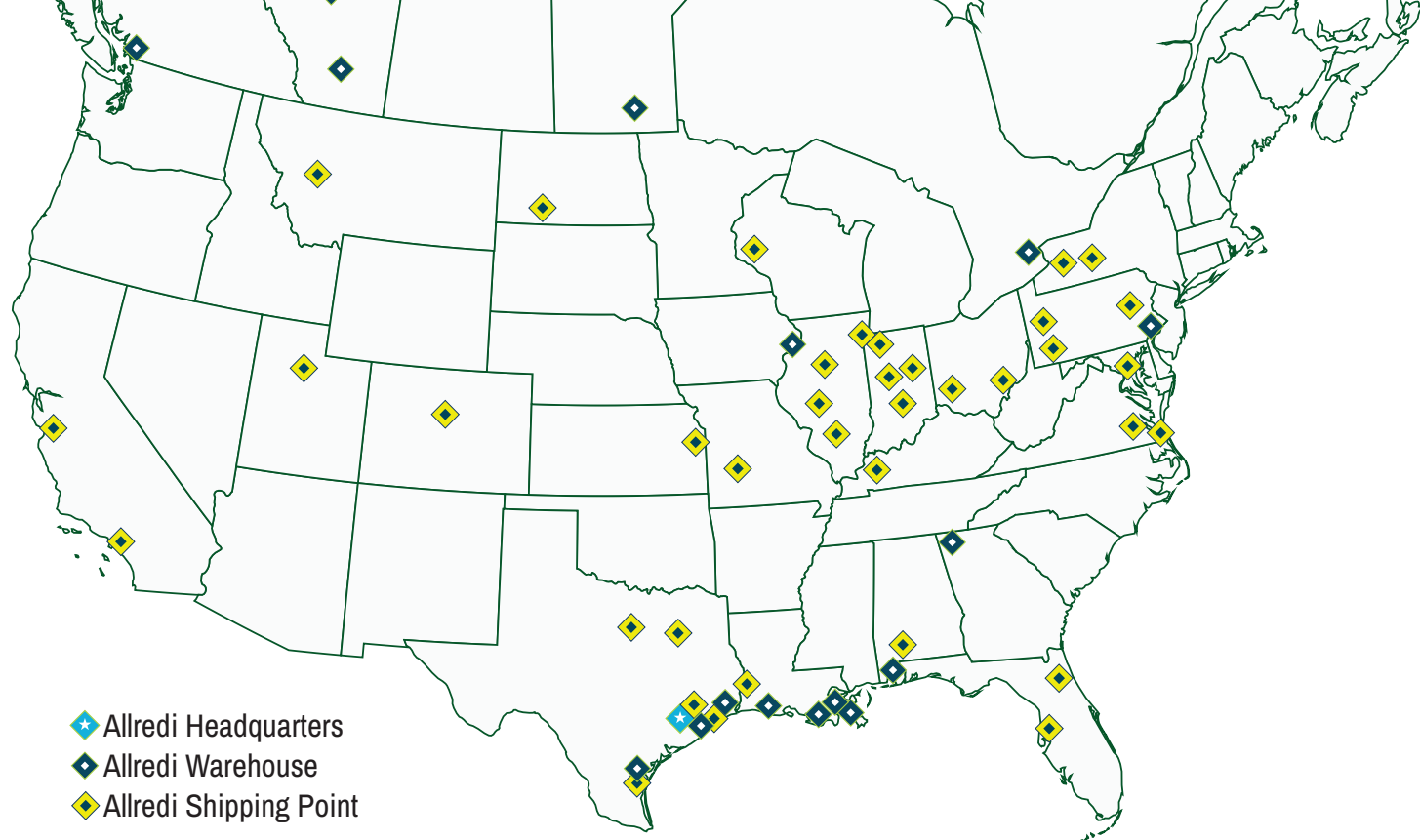
Figure 7: SMART System with Gravity Feed Hopper, Left Side





# MAINTENANCE NOTES

DATE	TYPE OF SERVICE	PART NUMBER



## ALLREDI THERE

Serving these industries: Bridge, Pipeline, Tank & Tower, Concrete Services, Rail, Shipyard & Marine, Pools & Fountains, and Foundry

### UNITED STATES

**Pasadena, TX (Headquarters)**  
844.361.7038

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409.722.1284

**Bristol, PA**  
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### CANADA

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**Coquitlam, BC**  
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**Edmonton, Alberta**  
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780.425.5510 (Mod-U-Blast)

**Hamilton, Ontario**  
905.527.6000 / 888.794.5665

**Mississauga, Ontario**  
905.890.5837

**Winnipeg, Manitoba**  
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