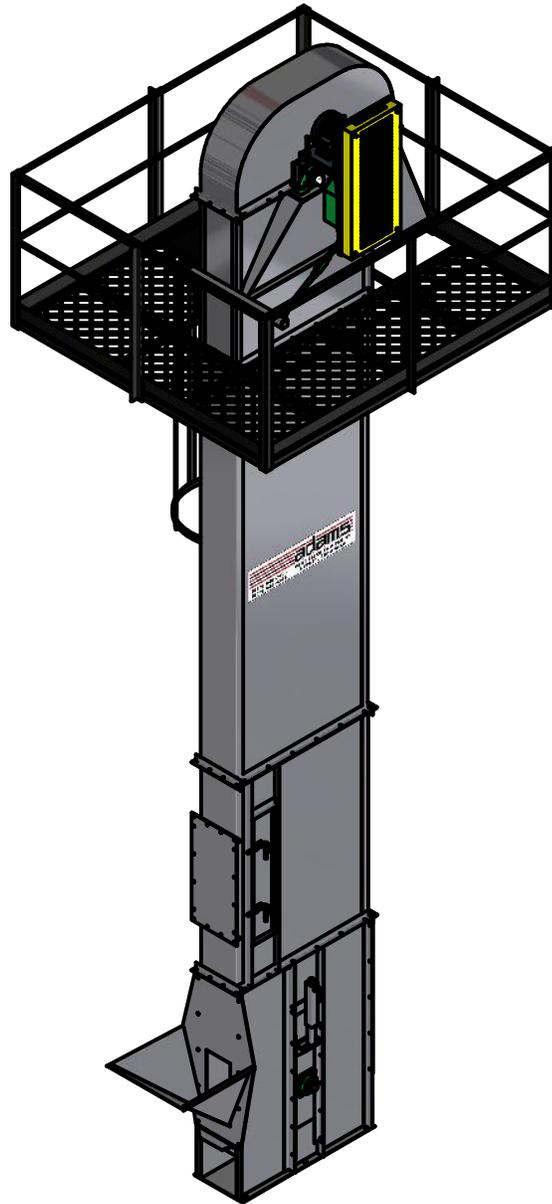


ADAMS FERTILIZER EQUIPMENT BUCKET ELEVATOR PARTS MANUAL

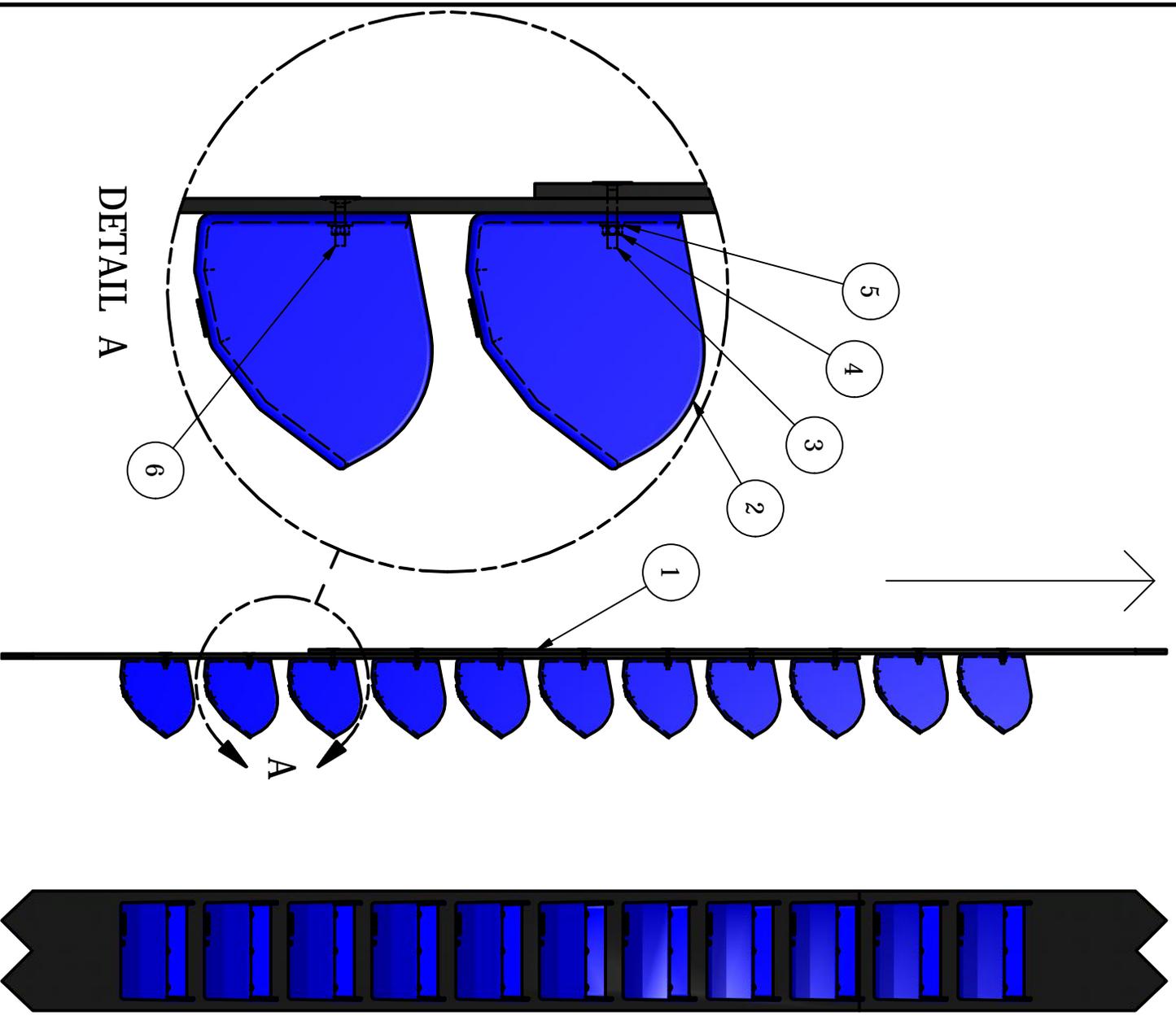


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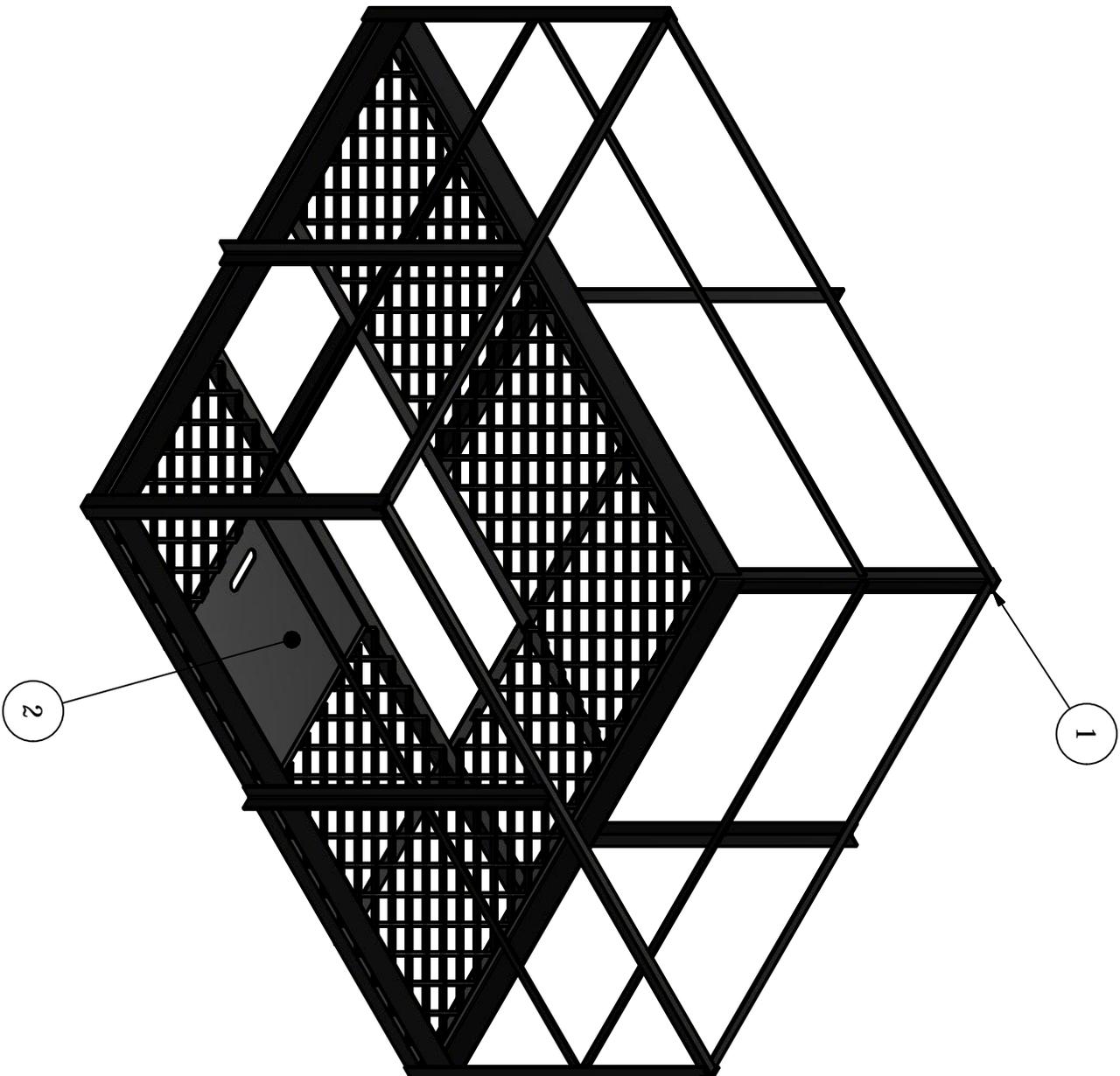
Belt Overlap Assembly



PARTS LIST

| ITEM | PART NUMBER | DESCRIPTION |
|------|-------------|------------------------------------|
| 1 | 10585 | Belt |
| 2 | 10586 | Bucket |
| 3 | 10587 | Flat Head 1/4" x 1 1/2" Bolt (S.S) |
| 4 | 10588 | Nylon Lock Nut (S.S) |
| 5 | 10589 | Plain Washer |
| 6 | 10590 | Flat Head 1/4" x 1 1/4" Bolt (S.S) |

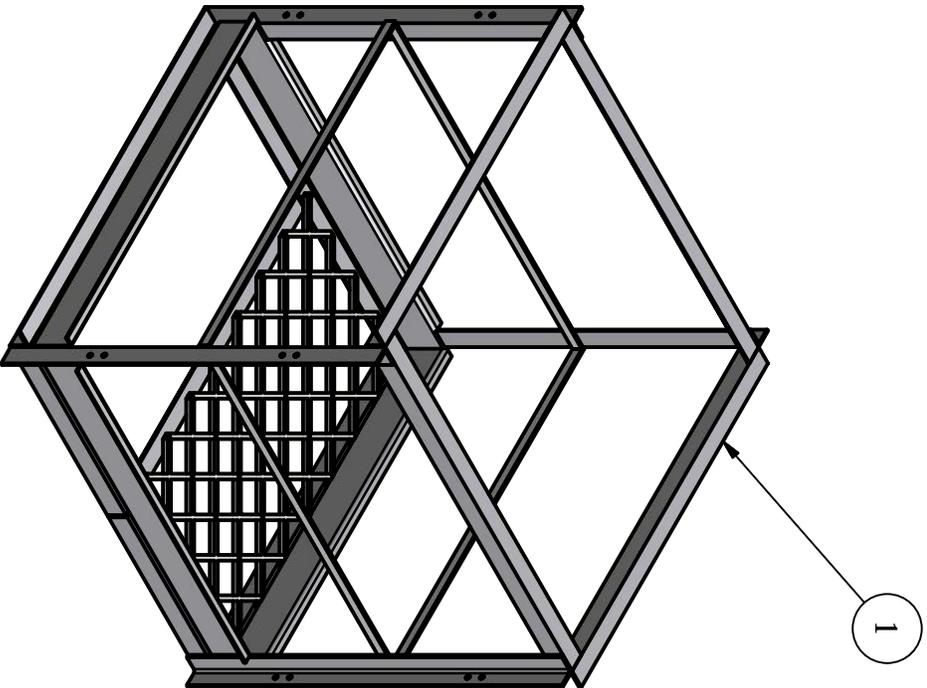
Work Platform Assembly



PARTS LIST

| ITEM | QTY | PART NUMBER | DESCRIPTION |
|------|-----|-------------|---------------------|
| 1 | 1 | 8028 | Work Platform W/dt. |
| 2 | 1 | 80020 | Door |

REST PLATFORM ASSEMBLY



RESTPLATFORM PARTS LIST

| ITEM | QTY | PART NUMBER | DESCRIPTION |
|------|-----|-------------|---------------------|
| 1 | 1 | 8024 | Rest Platform Widt. |

SAFETY INSTRUCTIONS

Recognizing the causes or hazards before an accident occurs can prevent accidents. Regardless of the care used in designing and constructing equipment, there are areas that cannot be completely safeguarded without interfering with the operation of the Elevator.

The machine has various kinds of decals indicating potential dangers.

D A N G E R: Indicates the most serious hazard with the highest potential for severe injury.

W A R N I N G: Indicates serious hazards.

CAUTION: Indicates practices to be followed to prevent injury.

SAFETY INSTRUCTIONS FOR OPERATIONS

1. DO NOT ALLOW anyone to operate your Adams Bucket Elevator without first reading and understanding all the safety and operations procedures in this manual.

Observe all Federal and State EPA regulations and all local, State and Federal laws regarding licensing, handling and application.

2. DO NOT ALLOW the following people to operate this equipment
 - ...Children
 - ...People under the influence of alcohol, medications, or other drugs that can impair or cause drowsiness.
3. Keep all safety shields and devices in place.
4. Make certain everyone is clear before operating equipment
5. Keep hands, feet, and clothing away from moving parts
6. Make sure machine is secured before operating
7. Shut off the power completely before adjusting, servicing, or cleaning
8. If any components of the Adams Bucket Elevator are not functioning properly, DO NOT use the equipment. Discontinue it from service until it has been repaired by a qualified service technician.
9. DO NOT replace parts with anything but Adams factory service parts. To do so may reduce the effectiveness of safety features or decrease the performance of the unit.

10. Replace decals that have become damaged, hard to read, or missing. Decals are available from Adams
11. Visually inspect the Bucket Elevator periodically during operation for signs of excessive vibration, loose fasteners and unusual noises.

OPERATING AND SERVICE INSTRUCTIONS

Pre-Operation Check List

1. Before operating your Adams Bucket Elevator for the first time, check the following
 - a. Make sure all the bolts are tight; be sure all the bracing and guy cables are secure and also check the safety shields, inspection covers and devices are in place.
 - b. Check adjustment of drive and lift belts
 - c. Check lubricant level in gear reducer
2. Check and readjust all belts to compensate for initial stretch after few hours of operation
3. Change the oil in the gear reducer after 150 hours of operation
4. Here are some of the things that should be inspected and serviced before each elevator operation:
 - a. Inspect bucket and belt for loose bolts, damaged buckets, belt condition and tension
 - b. Adjust the belt tension if necessary
 - c. Inspect V-Belt (motor drive belt) tension and condition
 - d. Inspect gear reducer lubricant level and add lubricant as required
 - e. Inspect head and boot pulley bearings and lubricate as required
 - f. Inspect for caked or packed deposits or any obstructions in the elevator

Operation

1. Start elevator with buckets empty. Run empty for a few minutes to flex the belt and check the alignment and tension
2. Feed material into elevator at a uniform rate within the rate capacity of the elevator
3. Stop elevator after the feed is discontinued and all the material is discharged. Cleanout elevator after each use

Shutdown and storage

1. Discontinue feed and empty elevator before shutting off power
2. Clean out elevator boot and remove residue
3. For extended shutdown do the following additional steps:
 - a. Clean elevator thoroughly
 - b. Lubricate bearings
 - c. Cover input hopper, motor and drive

Maintenance

1. The elevator should be checked to be sure all the buckets are attached to the belt and that all the bolts are tight
2. Usually the belt will stretch throughout the entire life, but the greatest increase in length will occur during the first few hours of operation. Using the belt adjuster in the boot section you can tighten the belt

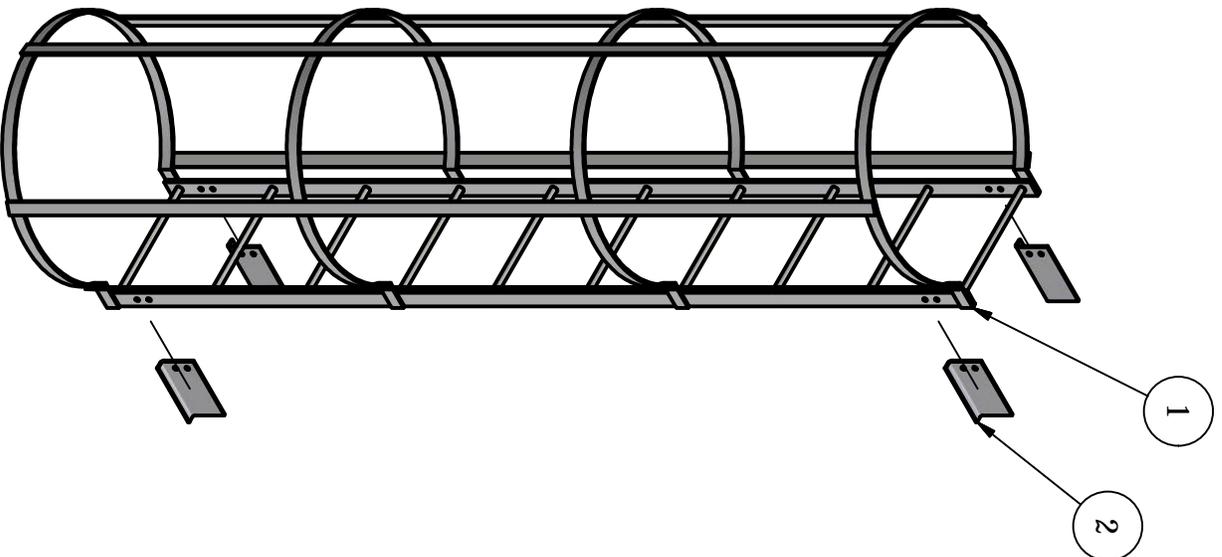
CAUTION: Check belt frequently to make certain that it is running in center of pulley and the tension is properly set otherwise it can quickly wear a hole in the side of the head, casing or boot sections

3. Check and tighten bucket bolts after first 10 hours of operation and thereafter check every 50 hours of operation
4. Grease all bearings every 24 hours of operation with one pump

CAUTION: Do not over-grease sealed bearings, as it may break the seal allowing contamination to work into the bearing causing it to fail.

5. Change lubricant oil in Gear Reducer once every year with only 90 weight gear oil with GL-5 rating (90W GL-5)
6. Lubricate motor bearings every 6 months with only Exxon POLYREX[®] EM Polyurea Grease

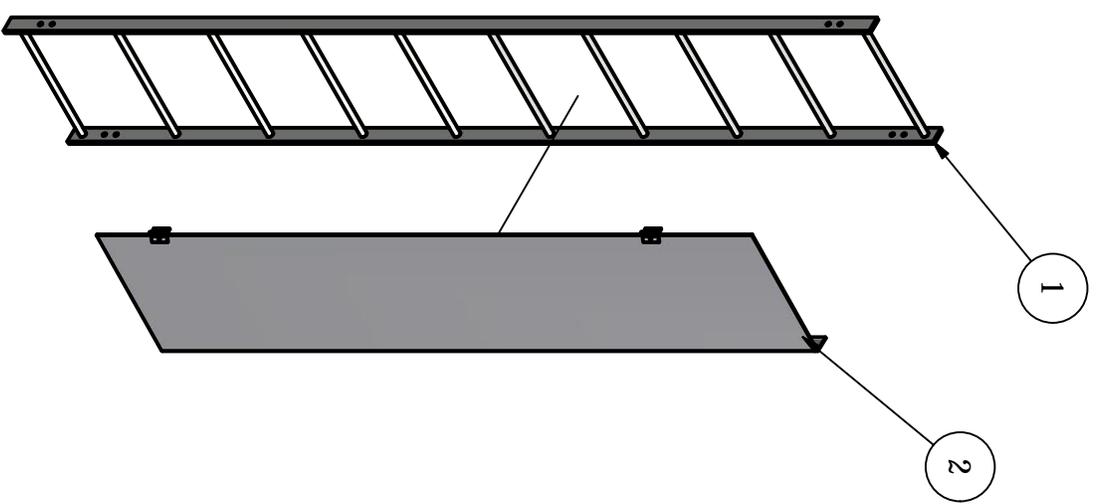
SAFETY LADDER ASSEMBLY



PARTS LIST

| ITEM | QTY | PART NUMBER | DESCRIPTION |
|------|-----|-------------|------------------------|
| 1 | 1 | 8026 | Complete Safety Ladder |
| 2 | 2 | 80266 | Safety Ladder Mount |

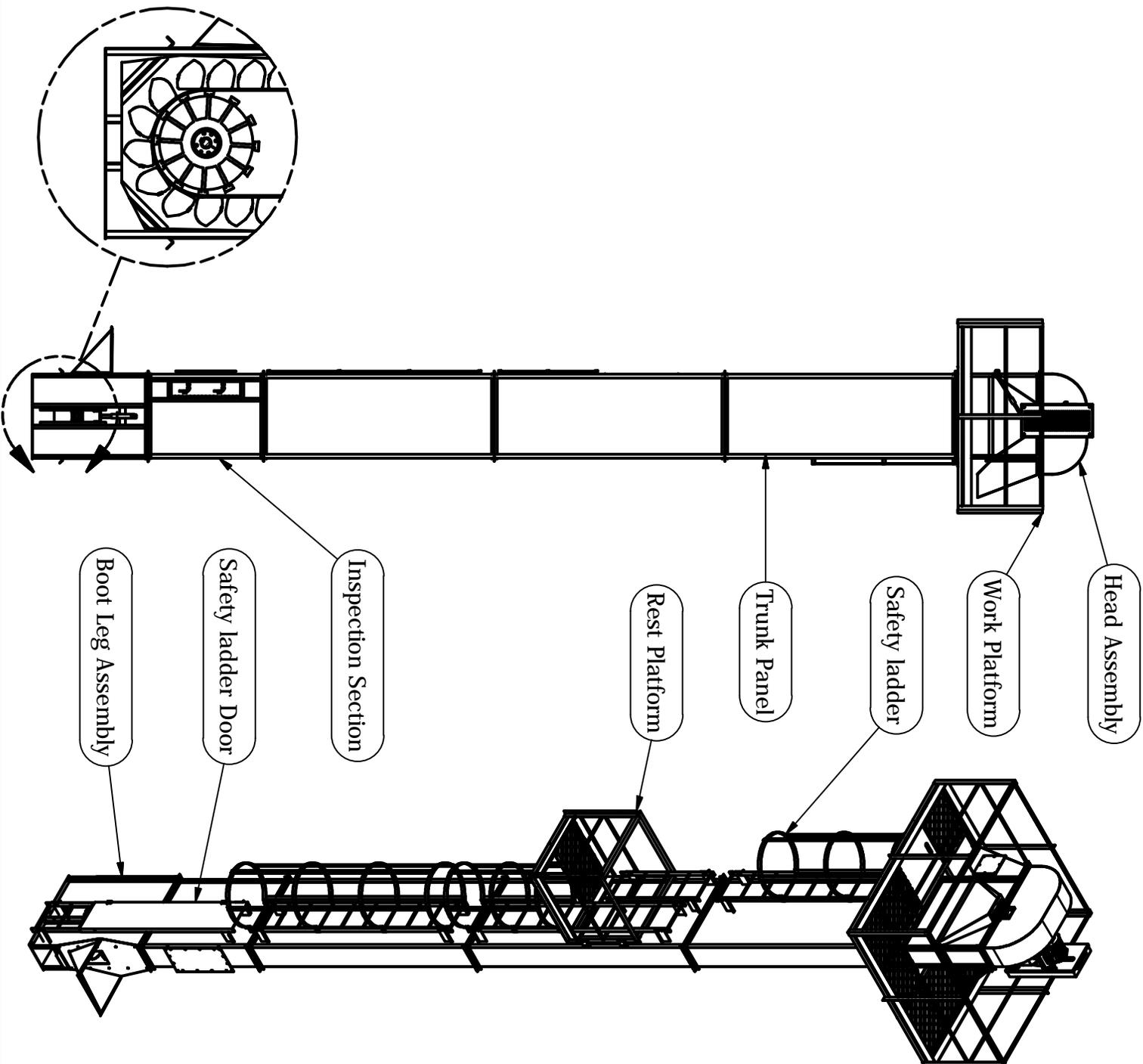
LOWER SECTION SAFETY LADDER



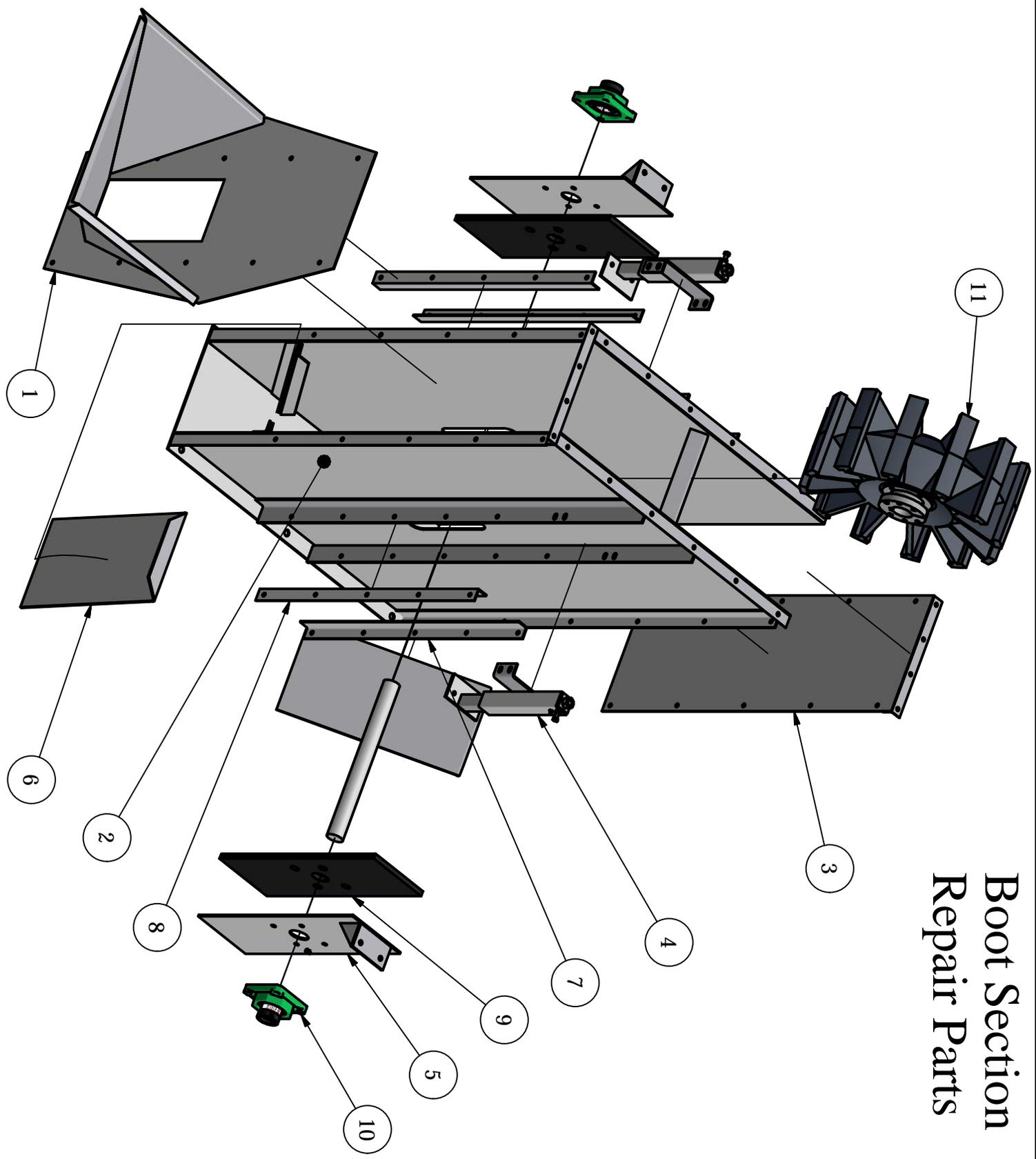
PARTS LIST

| ITEM | QTY | PART NUMBER | DESCRIPTION |
|------|-----|-------------|---------------------|
| 1 | 1 | 8025 | Safety Ladder W/dt. |
| 2 | 1 | 80265 | Safety Door |

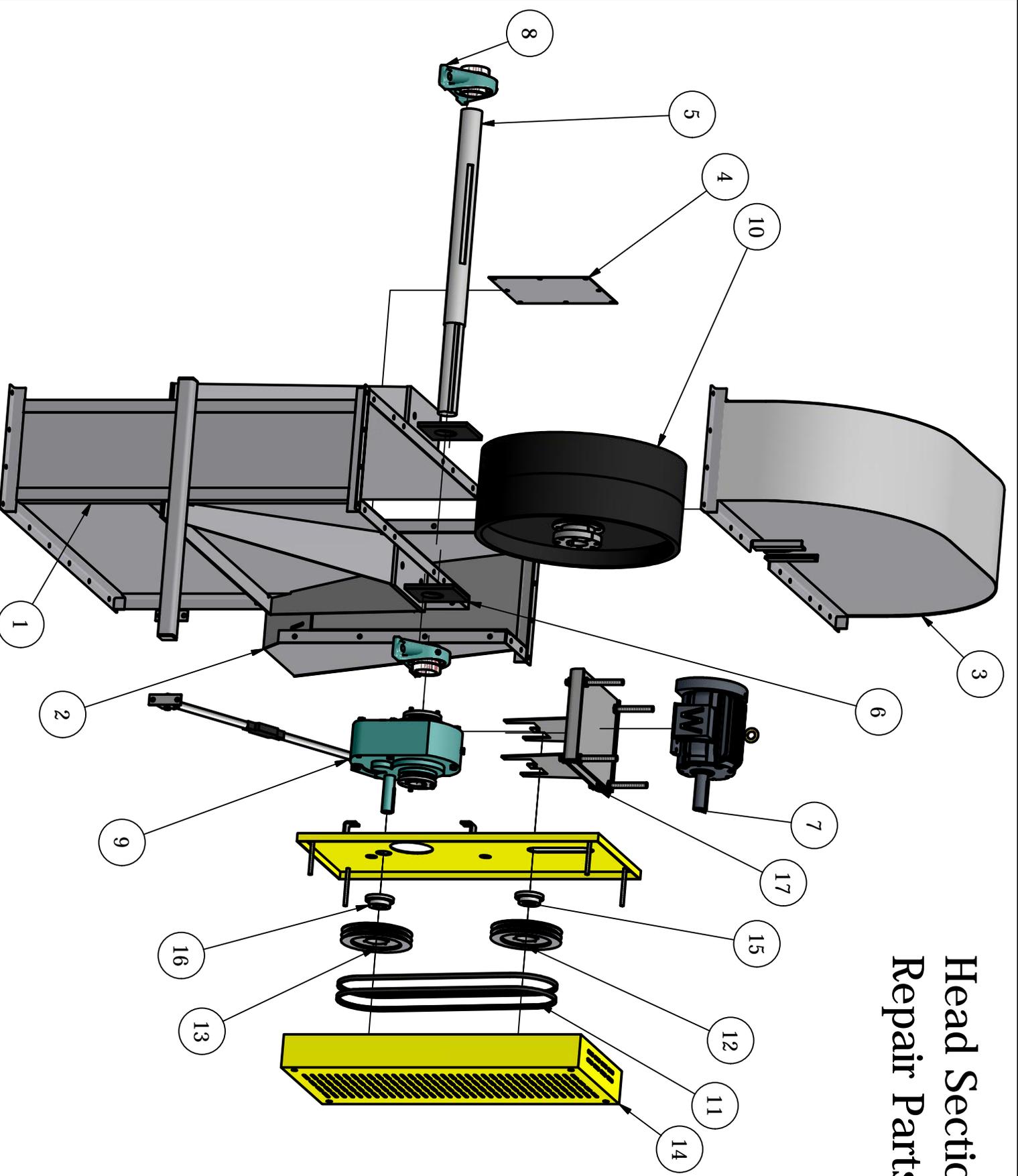
MAIN ASSEMBLY



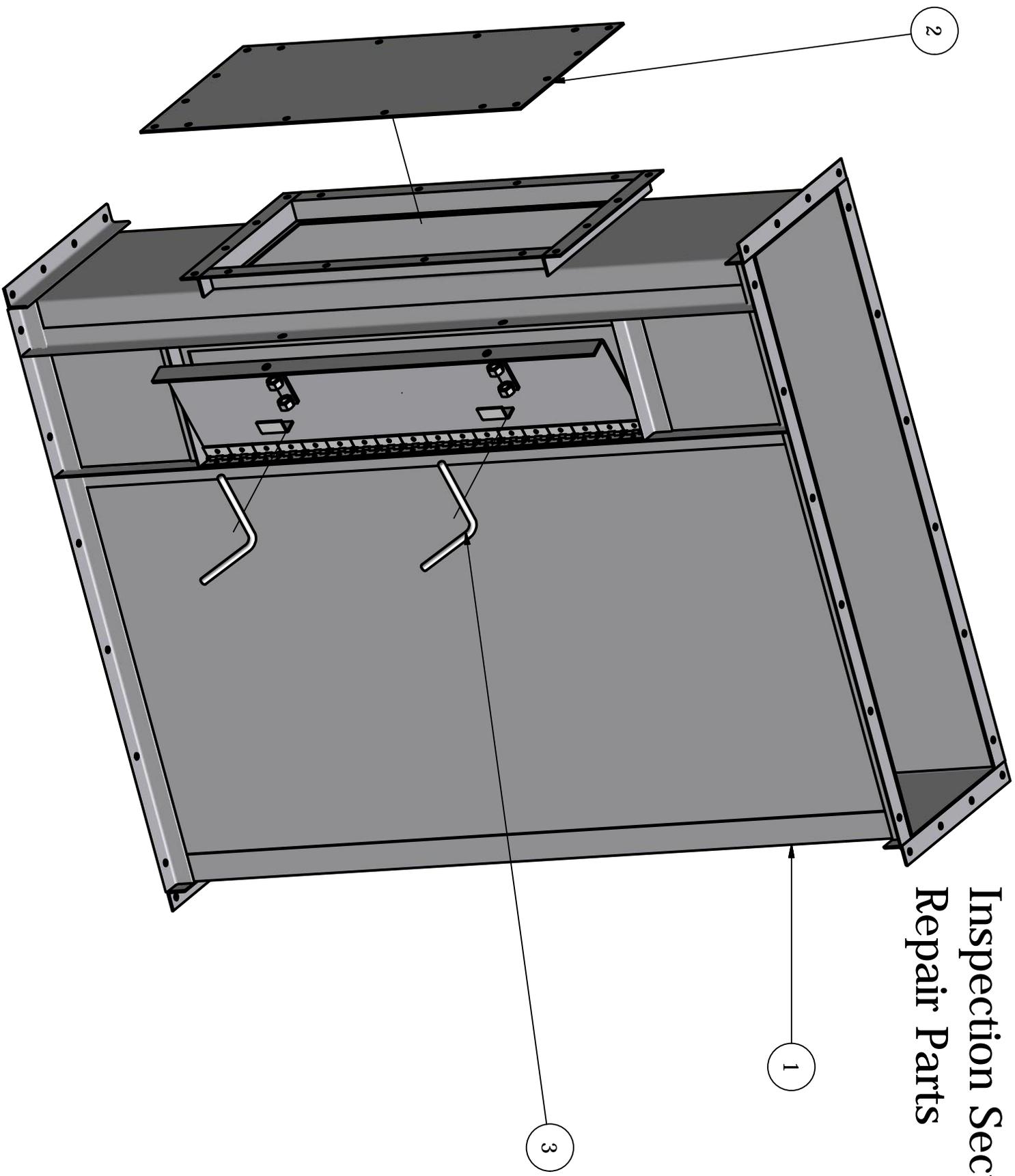
Boot Section Repair Parts



Head Section Repair Parts



Inspection Section Repair Parts

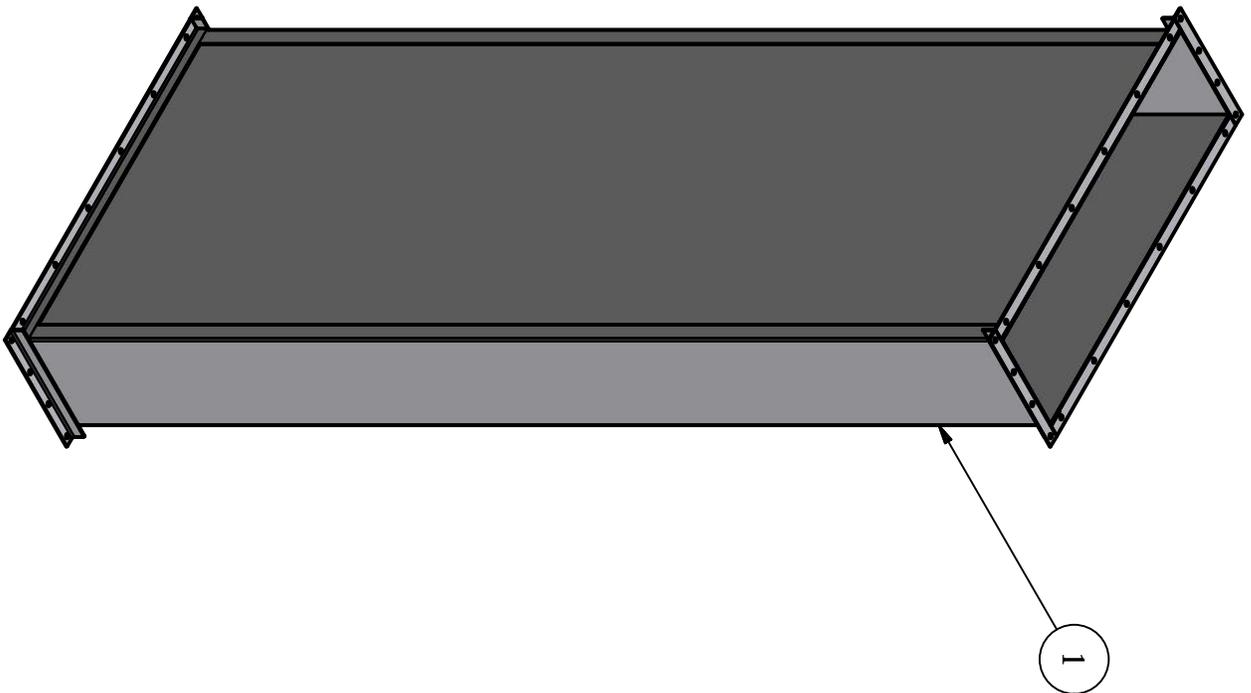


| BOOT SECTION PARTS LIST | | | |
|--------------------------------|-----|-------------|-----------------------------|
| ITEM | QTY | PART NUMBER | DESCRIPTION |
| 1 | 1 | 8018 | Intake Section Wldt. |
| 2 | 1 | 8019 | Boot Section Wldt. |
| 3 | 1 | 8020 | BackSide Boot Section Wldt. |
| 4 | 2 | 8021 | Belt Adjuster Wldt. |
| 5 | 2 | 8022 | Belt Adjuster Slider Wldt. |
| 6 | 1 | 80217 | Boot Cleanout Door |
| 7 | 2 | 80222 | Slider Angle Iron (RH) |
| 8 | 2 | 80222 | Slider Angle Iron (LH) |
| 9 | 2 | 10582 | UHMW Sealer - Bottom |
| 10 | 2 | 10583 | Bottom Roller Shaft Bearing |
| 11 | 1 | 10584 | Boot Section Roller |

| HEAD SECTION PARTS LIST | | | |
|--------------------------------|-----|-------------|------------------------------|
| ITEM | QTY | PART NUMBER | DESCRIPTION |
| 1 | 1 | 8015 | Head Section Wldt. |
| 2 | 1 | 8016 | Discharge Section Wldt. |
| 3 | 1 | 8017 | Hood Section Wldt. |
| 4 | 1 | 80270 | Top Cleanout Door |
| 5 | 1 | 80258 | Head Shaft |
| 6 | 2 | 10571 | Black UHMW Sealer |
| 7 | 1 | 10572 | Motor |
| 8 | 2 | 10573 | Discharge Shaft Bearings |
| 9 | 1 | 10574 | Shaft Mount Speed Reducer |
| 10 | 1 | 10570 | Head Roller Assembly |
| 11 | 2 | 10575 | V-Belt |
| 12 | 1 | 10576 | Motor Grooved Pulley |
| 13 | 1 | 10577 | Speed Reducer Grooved Pulley |
| 14 | 1 | 10578 | Belt Guard |
| 15 | 1 | 10579 | Motor Pulley Hub |
| 16 | 1 | 10580 | Reducer Pulley Hub |
| 17 | 1 | 10581 | Motor Mount |

| INSPECTION SECTION PARTS LIST | | | |
|--------------------------------------|-----|-------------|--------------------------|
| ITEM | QTY | PART NUMBER | DESCRIPTION |
| 1 | 1 | 8023 | Inspection Section Wldt. |
| 2 | 1 | 80286 | Inspection Door |
| 3 | 2 | 80287 | Cleanout Door Handle |

TRUNK SECTION ASSEMBLY



| PARTS LIST | | | |
|------------|-----|-------------|---------------------|
| ITEM | QTY | PART NUMBER | DESCRIPTION |
| 1 | 2 | 8027 | Trunk Section Widt. |