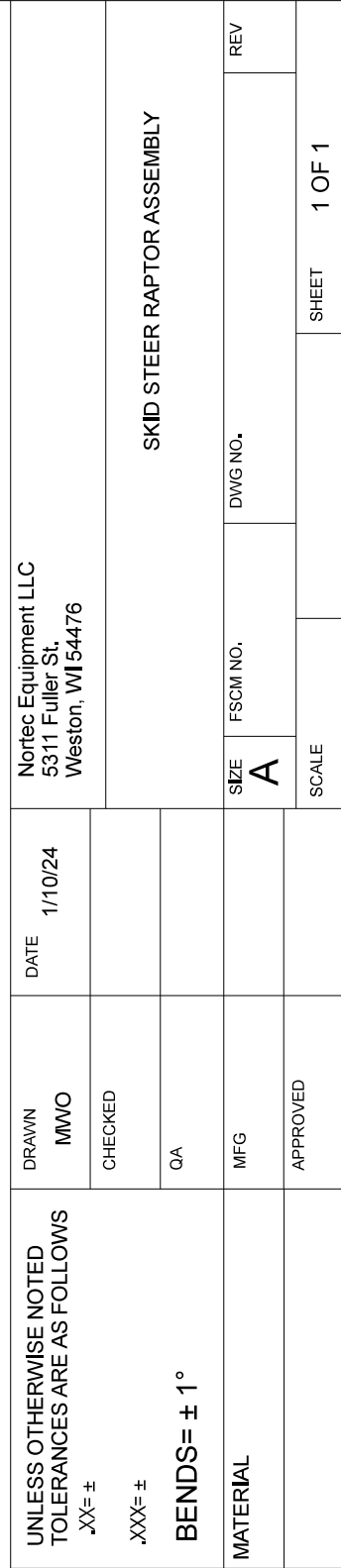




***Raptor***

**SOIL PROCESSOR**

**Skid Steer Version**  
**Parts**





| REVISIONS |     |             |      |
|-----------|-----|-------------|------|
| ZONE      | REV | DESCRIPTION | DATE |
|           |     |             |      |

APPROVED

DATE

DESCRIPTION

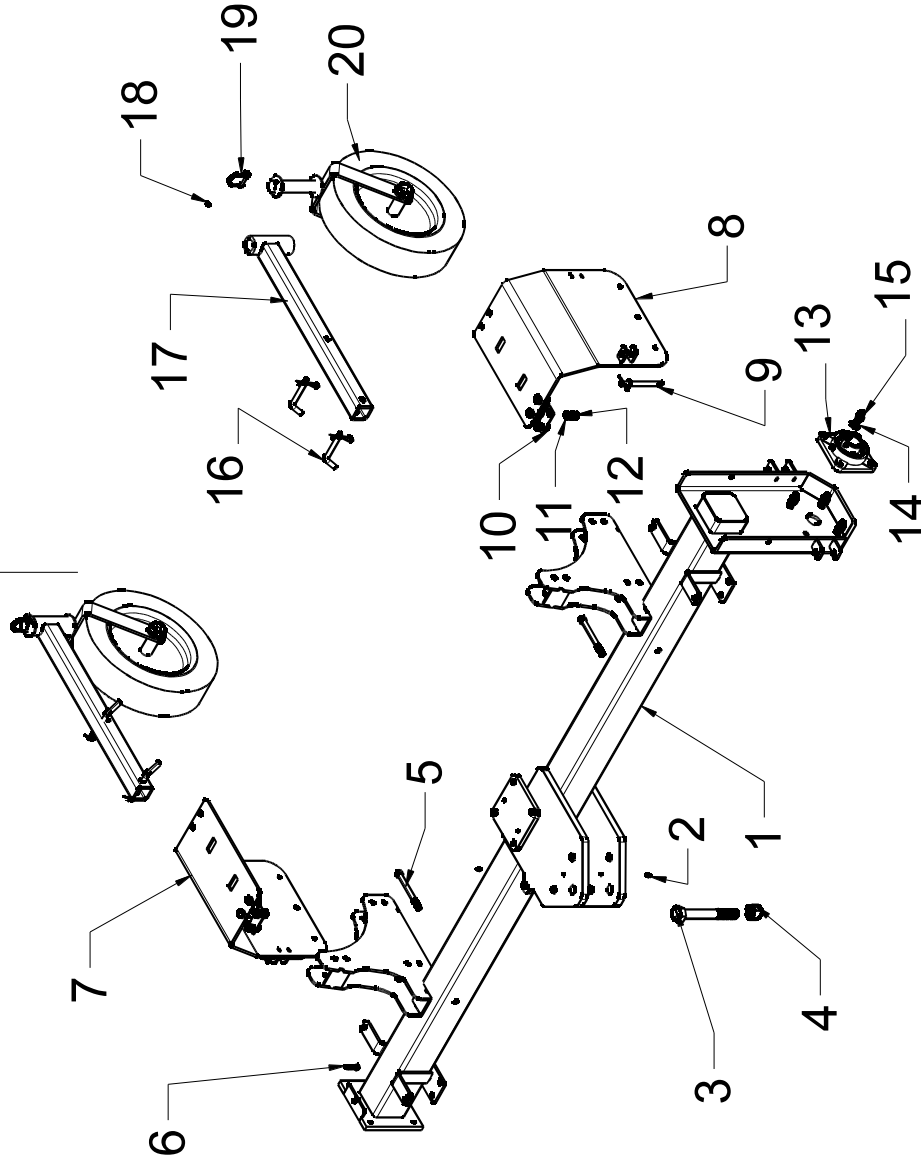
REV

APPROVED

DATE

DESCRIPTION

REV



UNLESS OTHERWISE NOTED  
TOLERANCES ARE AS FOLLOWS  
.XX= ±  
.XXX= ±  
BENDS= ± 1°

DRAWN  
MWO

DATE  
1/10/24

Nortec Equipment LLC  
5311 Fuller St.  
Weston, WI 54476

CHECKED

QA

SKID STEER FRAME ASSEMBLY

MFG

APPROVED

SIZE  
A

FSCM NO.

DWG NO.

SCALE

SHEET

1 OF 1

## Skid Steer Frame Assembly

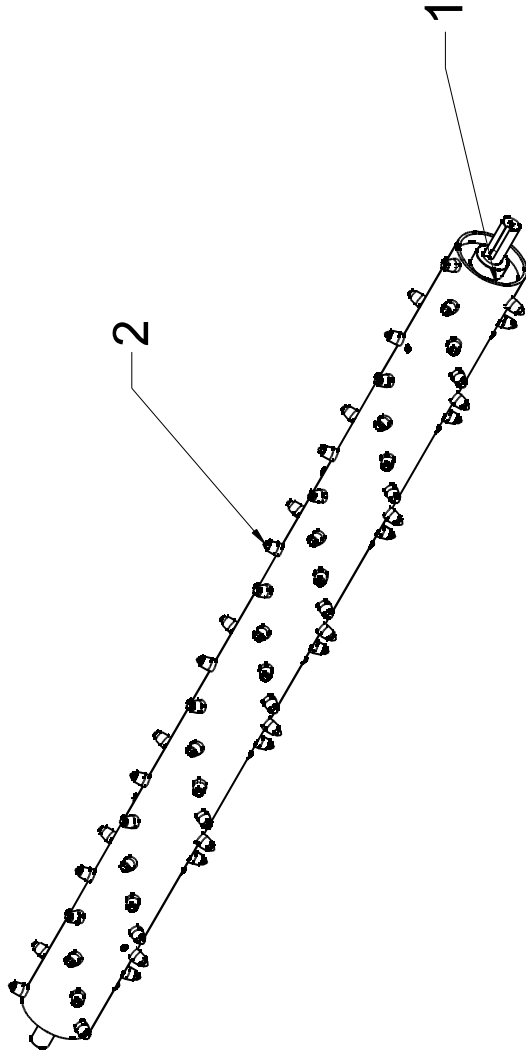
| Item # | Part Number  | QTY | Description                  |
|--------|--------------|-----|------------------------------|
| 1      | NE-420000-X  | 1   | Skid Steer Frame             |
| 2      | F0102        | 2   | Grease Zerk 1/8 NPT Straight |
| 3      | AC477        | 1   | Hex Bolt 1-8 x 7.0 Gr8       |
| 4      | CG0458       | 1   | Nylock Nut 1-8 Gr8           |
| 5      | AC223        | 2   | Hex Bolt 1/2-13 x 5 Gr5      |
| 6      | AC109        | 1   | Hex Bolt 3/8-16 x 1-1/4 Gr5  |
| 7      | NE-600001    | 1   | Left Side End Shield         |
| 8      | NE-600000    | 1   | Right Side End Shield        |
| 9      | NE-600003    | 2   | Shield Lock Pin (1/2")       |
| 10     | NE-600002    | 2   | Shield Hinge                 |
| 11     | AC205        | 8   | Hex Bolt 1/2-13 x 1 Gr5      |
| 12     | CG030        | 8   | Nylock Nut 1/2-13            |
| 13     | NE-100001-17 | 1   | Flange Bearing 1-1/2         |
| 14     | BA5611       | 4   | Carr. Bolt 1/2-13 x 2 Gr5    |
| 15     | CG030        | 4   | Nylock Nut 1/2-13            |
| 16     | NE-110032    | 4   | 1/2 Bent Pin 4"              |
| 17     | NE-720000    | 2   | Skid Guidwheel Arm           |
| 18     | F0102        | 2   | Grease Zerk 1/8 NPT Straight |
| 19     | NE-700004    | 2   | Tail Wheel PIN 5/16 x 2.25   |
| 20     | NE-70006     | 2   | Guide Wheel Assembly         |

**Machine Length= X**

| 6ft | 7ft | 8ft X | 9ft |
|-----|-----|-------|-----|
| X=6 | X=7 | X=8   | X=9 |



| REVISIONS |     |             |      |
|-----------|-----|-------------|------|
| ZONE      | REV | DESCRIPTION | DATE |
| APPROVED  |     |             |      |



|                                                                                                                   |              |                 |                                                             |          |         |     |
|-------------------------------------------------------------------------------------------------------------------|--------------|-----------------|-------------------------------------------------------------|----------|---------|-----|
| UNLESS OTHERWISE NOTED<br>TOLERANCES ARE AS FOLLOWS<br>.XX= ±<br>.XXX= ±<br><b>BENDS= ± 1°</b><br><b>MATERIAL</b> | DRAWN<br>MWO | DATE<br>1/10/24 | Nortec Equipment LLC<br>5311 Fuller St.<br>Weston, WI 54476 |          |         |     |
|                                                                                                                   | CHECKED      |                 | ROTOR ASSEMBLY                                              |          |         |     |
|                                                                                                                   | QA           |                 | SIZE<br><b>A</b>                                            | FSCM NO. | DWG NO. | REV |
|                                                                                                                   | MFG          |                 | SCALE                                                       |          |         |     |
| APPROVED                                                                                                          |              |                 |                                                             | SHEET    | 1 OF 1  |     |



## Rotor Assembly

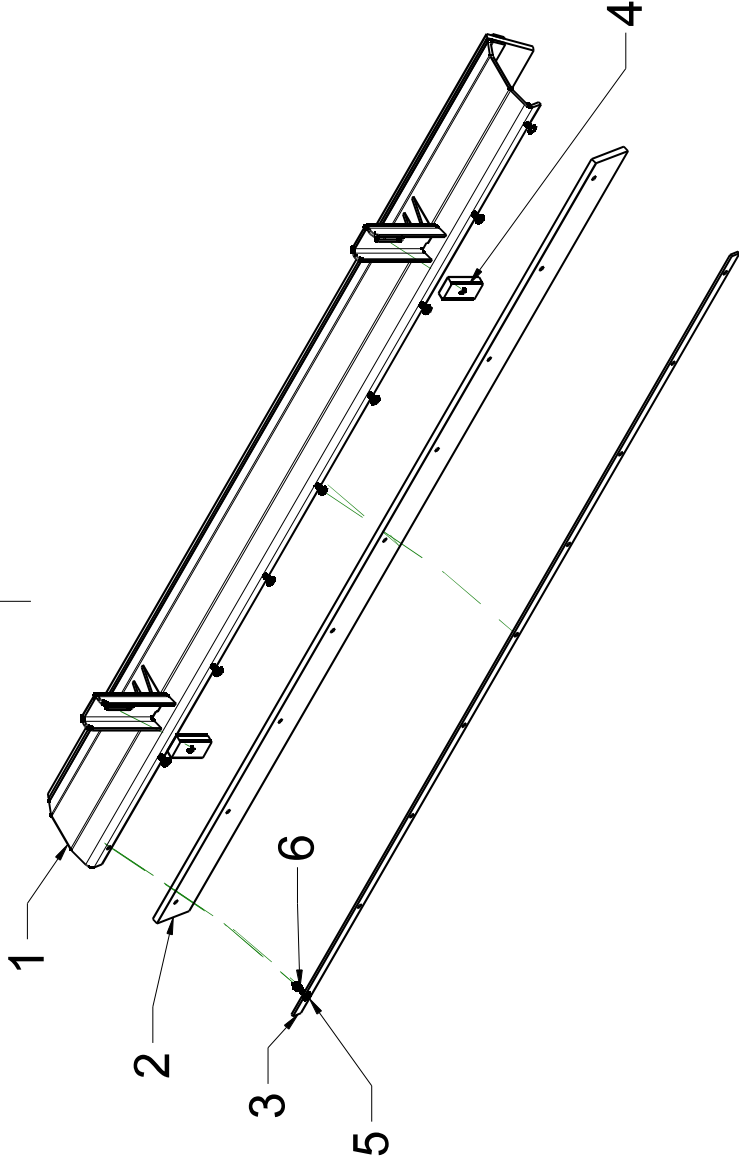
| Item # | Part Number | QTY | Description             |
|--------|-------------|-----|-------------------------|
| 1      | NE-800000-X | 1   | Rotor Welded complete   |
| 2      | RPR5        | Y   | Agressor Tooth, Weld on |

**Rotor Length=X (ft length)**  
**Y=number teeth**

|            |            |             |             |            |            |
|------------|------------|-------------|-------------|------------|------------|
| <b>4ft</b> | <b>5ft</b> | <b>6ft</b>  | <b>7ft</b>  | <b>8ft</b> | <b>9FT</b> |
| X=4        | X=5        | X=6         | X=7         | X=8        | X=9        |
| Y=48       | Y=60       | Y=72        | Y=84        | Y=96       | Y=108      |
|            |            | <b>10ft</b> | <b>12ft</b> |            |            |
|            |            | X=10        | X=12        |            |            |
|            |            | Y=120       | Y=144       |            |            |



| REVISIONS |     |             |      |
|-----------|-----|-------------|------|
| ZONE      | REV | DESCRIPTION | DATE |
| APPROVED  |     |             |      |



|                                                                                                                   |              |                 |                                                             |          |         |        |
|-------------------------------------------------------------------------------------------------------------------|--------------|-----------------|-------------------------------------------------------------|----------|---------|--------|
| UNLESS OTHERWISE NOTED<br>TOLERANCES ARE AS FOLLOWS<br>.XX= ±<br>.XXX= ±<br><b>BENDS= ± 1°</b><br><b>MATERIAL</b> | DRAWN<br>MWO | DATE<br>1/10/24 | Nortec Equipment LLC<br>5311 Fuller St.<br>Weston, WI 54476 |          |         |        |
|                                                                                                                   | CHECKED      |                 | SKID STEER MATERIAL BAR ASSEMBLY                            |          |         |        |
|                                                                                                                   | QA           |                 | SIZE<br><b>A</b>                                            | FSCM NO. | DWG NO. | REV    |
|                                                                                                                   | MFG          |                 | SCALE                                                       |          | SHEET   | 1 OF 1 |
| APPROVED                                                                                                          |              |                 |                                                             |          |         |        |

## Skid Material Bar Assembly

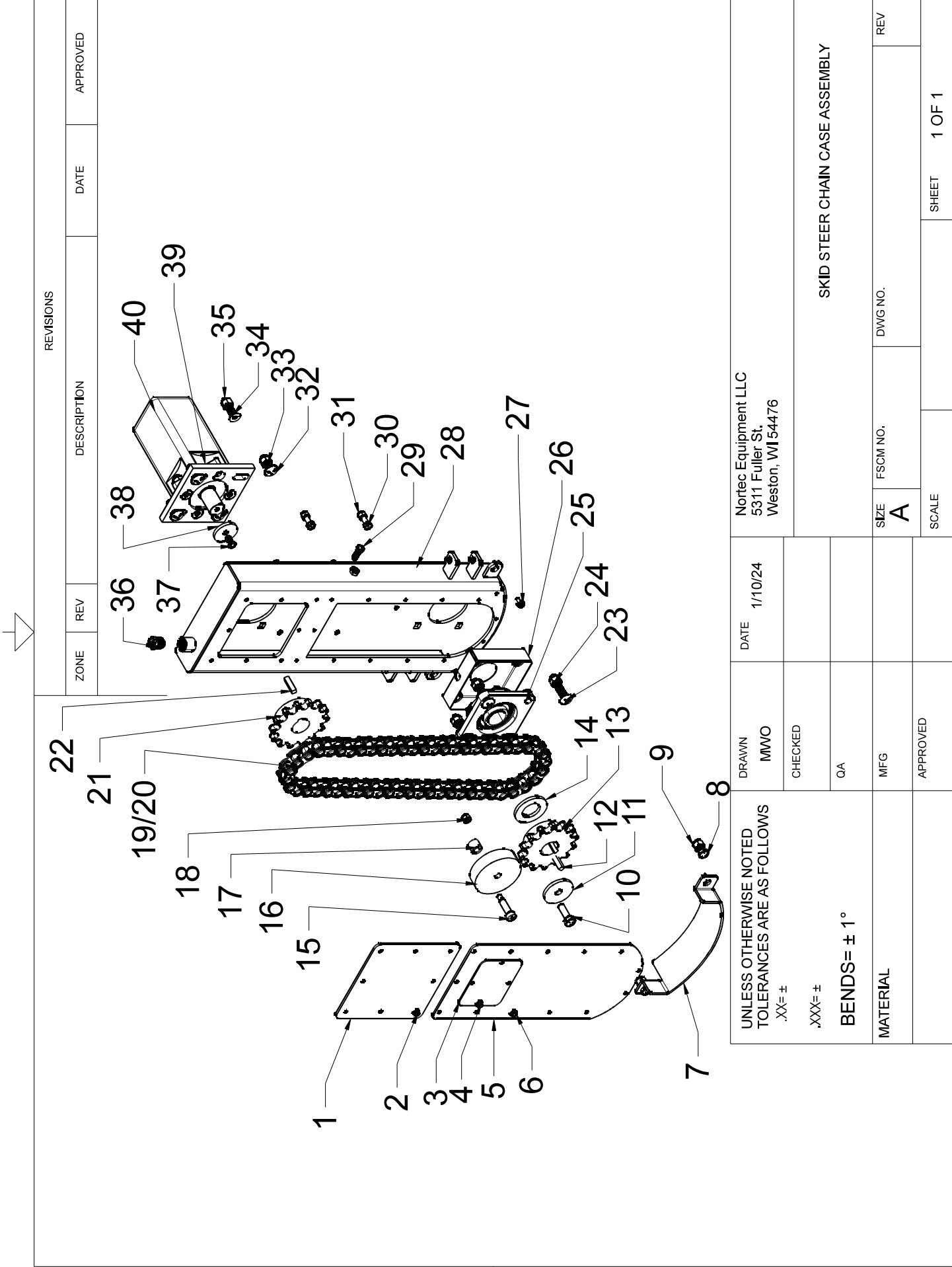
NE-510000-X

| Item # | Part Number | QTY | Description                    |
|--------|-------------|-----|--------------------------------|
| 1      | NE-510001-X | 1   | Skid Material Bar Frame        |
| 2      | NE-500003-X | 2   | Material Bar Rubber            |
| 3      | NE-500002-X | 2   | Washer Plate                   |
| 4      | NE-500004   | 2   | Bar Mount Washer/nut           |
| 5      | BA2591      | Y   | Carr. Bolt 5/16-18 x 1-1/2 Gr5 |
| 6      | CG021       | Y   | Nylock Nut 5/16-18             |

Machine Length=X

Y=Quantity

| 4ft  | 5ft  | 6ft  | 7ft  | 8ft X | 9ft  |
|------|------|------|------|-------|------|
| X=4  | X=5  | X=6  | X=7  | X=8   | X=9  |
| Y=12 | Y=16 | Y=16 | Y=18 | Y=22  | Y=22 |



| REVISIONS                                                                               |     |             |      |
|-----------------------------------------------------------------------------------------|-----|-------------|------|
| ZONE                                                                                    | REV | DESCRIPTION | DATE |
|                                                                                         |     |             |      |
| UNLESS OTHERWISE NOTED<br>TOLERANCES ARE AS FOLLOWS<br>.XX= ±<br>.XXX= ±<br>BENDS= ± 1° |     |             |      |
| MATERIAL                                                                                |     |             |      |
| DRAWN<br>MWO                                                                            |     |             |      |
| CHECKED                                                                                 |     |             |      |
| QA                                                                                      |     |             |      |
| MFG                                                                                     |     |             |      |
| APPROVED                                                                                |     |             |      |
| DATE<br>1/10/24                                                                         |     |             |      |
| Nortec Equipment LLC<br>5311 Fuller St.<br>Weston, WI 54476                             |     |             |      |
| SKID STEER CHAIN CASE ASSEMBLY                                                          |     |             |      |
| SIZE<br>A                                                                               |     |             |      |
| FSCM NO.                                                                                |     |             |      |
| DWG NO.                                                                                 |     |             |      |
| REV                                                                                     |     |             |      |
| SCALE                                                                                   |     |             |      |
| SHEET<br>1 OF 1                                                                         |     |             |      |

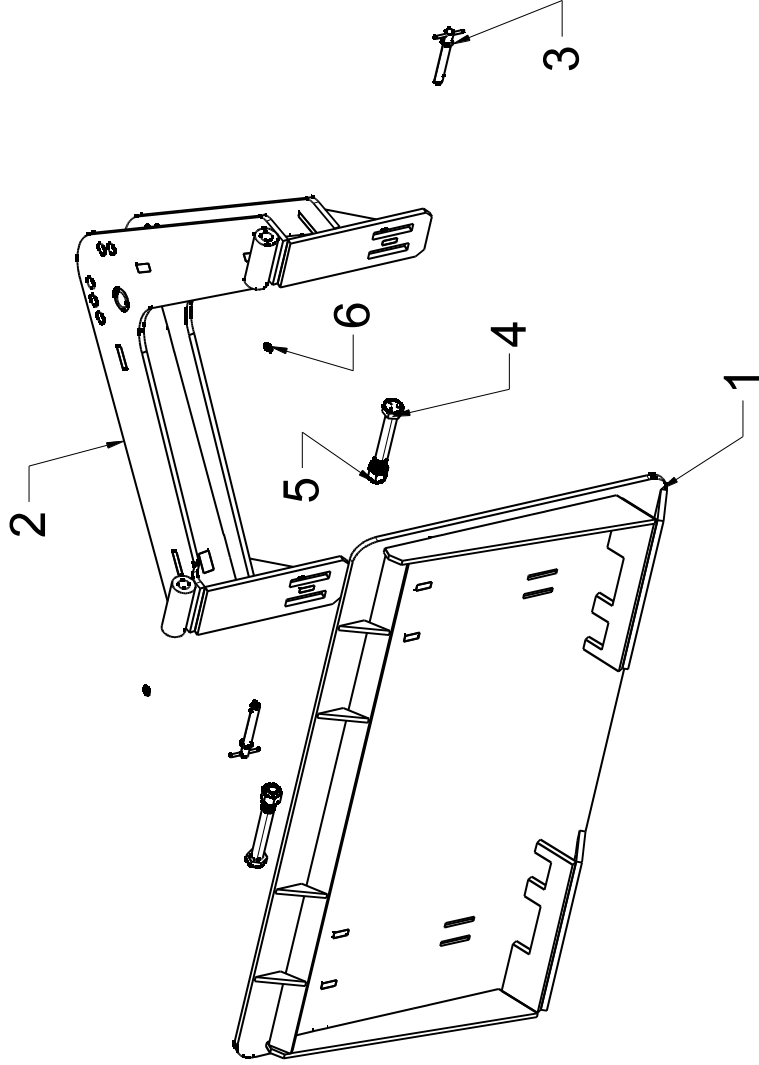
## Skid Steer Chain Case Assembly

| Item # | Part Number  | QTY | Description                   |
|--------|--------------|-----|-------------------------------|
| 1      | NE-100001-37 | 1   | Skid Top Chain Case Cover     |
| 2      | AI650040     | 8   | Flange Bolt 1/4-28 x 1/2 Gr5  |
| 3      | NE-100001-8  | 1   | Inspection Cover              |
| 4      | AI650040     | 4   | Flange Bolt 1/4-28 x 1/2 Gr5  |
| 5      | NE-100001-7  | 1   | Bottom Chain Case Cover       |
| 6      | AI650040     | 13  | Flange Bolt 1/4-28 x 1/2 Gr5  |
| 7      | NE-100001-42 | 1   | Chain Case Shoe               |
| 8      | AC205        | 2   | Hex Bolt 1/2-13 x 1 Gr5       |
| 9      | CG030        | 2   | Nylock Nut 1/2-13             |
| 10     | AG209        | 1   | Hex Bolt 1/2-20 x 1-1/2 Gr5   |
| 11     | NE-100001-20 | 1   | Rotor End Washer              |
| 12     | NE-100001-18 | 1   | Key 3/8 Sq. x 1-1/2           |
| 13     | NE-100001-15 | 1   | Sprocket #80 14T              |
| 14     | NE-100001-11 | 1   | Chain Case Lower ASM Washer   |
| 15     | BF352        | 1   | Shoulder Bolt 1/2 x 1-1/2     |
| 16     | NE-100001-23 | 1   | Compensator Wheel             |
| 17     | NE-100001-24 | 1   | Spacer                        |
| 18     | CG024        | 1   | Nylock nut 3/8-16             |
| 19     | NE-100001-16 | 1   | Chain 80H (4.3ft)             |
| 20     | NE-100001-21 | 1   | Chain Maser Link 80H          |
| 21     | NE-100001-28 | 1   | Sprocket #80 14T (Motor)      |
| 22     | NE-100001-18 | 1   | Key 3/8 Sq. x 1-1/2           |
| 23     | BA564        | 4   | Carr. Bolt 1/2-13 x 2-1/2 Gr5 |
| 24     | CG030        | 4   | Nylock Nut 1/2-13             |
| 25     | NE-100001-17 | 1   | Flange Bearing 1-1/2          |
| 26     | NE-100001-14 | 1   | Lower Bearing Cover           |
| 27     | AI650040     | 1   | Flange Bolt 1/4-28 x 1/2 Gr5  |
| 28     | NE-100001    | 1   | Chain Case                    |
| 29     | AC103        | 1   | Hex Bolt 3/8-16 x 3/4 Gr5     |
| 30     | AC109        | 4   | Hex Bolt 3/8-16 x 1-1/2 Gr5   |
| 31     | CG024        | 4   | Nylock Nut 3/8-16             |
| 32     | BA5591       | 4   | Carr. Bolt 1/2-13 x 1-1/2 Gr5 |
| 33     | CG030        | 4   | Nylock Nut 1/2-13             |
| 34     | BD365        | 4   | Flat Head 1/2-13 x 2 Gr5      |
| 35     | CG030        | 4   | Nylock Nut 1/2-13             |
| 36     | NE-100001-35 | 1   | Chain Case Breather           |
| 37     | AC103        | 1   | Hex Bolt 3/8-16 x 3/4 Gr5     |
| 38     | NE-100001-51 | 1   | Motor Sprocket Washer         |
| 39     | NE-100001-36 | 1   | Motor Mount Plate             |
| 40     | YSMY-315     | 1   | Hyd Motor                     |
| 41     | NE-100001-54 | 1   | Gasket Kit                    |

**Note: For Mini Skid Steer units, Item# 40-substitute Part# YSMY-250 in place of YSMY-315.**



| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| ZONE      | REV | DESCRIPTION | DATE | APPROVED |



UNLESS OTHERWISE NOTED  
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.XX= ±

.XXX= ±

BENDS= ± 1°

MATERIAL

DRAWN

MWO

CHECKED

QA

MFG

APPROVED

DATE

1/10/24

Nortec Equipment LLC  
5311 Fuller St.  
Weston, WI 54476

### SKID FREE-FLOAT MOUNT ASSEMBLY

SIZE FSCM NO. DWG NO. REV

A

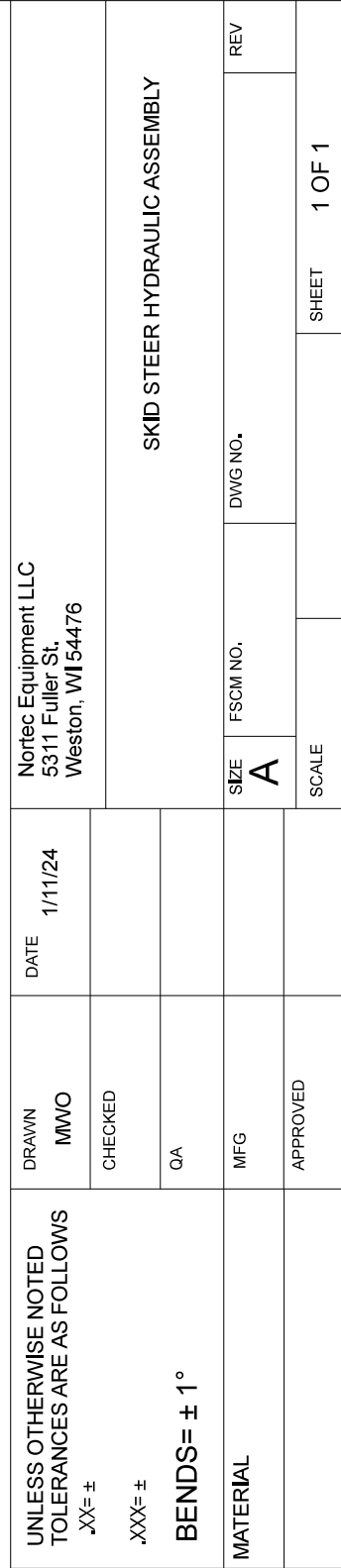
SCALE

SHEET 1 OF 1



## Free-Float Mount

| Item # | Part Number | QTY | Description                  |
|--------|-------------|-----|------------------------------|
| 1      | NE-230000   | 1   | Skid Float Attach Plate      |
| 2      | NE-220000   | 1   | Skid Float Hitch Frame       |
| 3      | NE-600003   | 2   | Mount Lock Pin (1/2")        |
| 4      | AC376       | 2   | Hex Bolt 3/4-10 x 6-1/2 Gr5  |
| 5      | CG039       | 2   | Nylock Nut 3/4-10            |
| 6      | F0102       | 2   | Grease Zerk 1/8 NPT Straight |



## Skid Steer Hydraulics

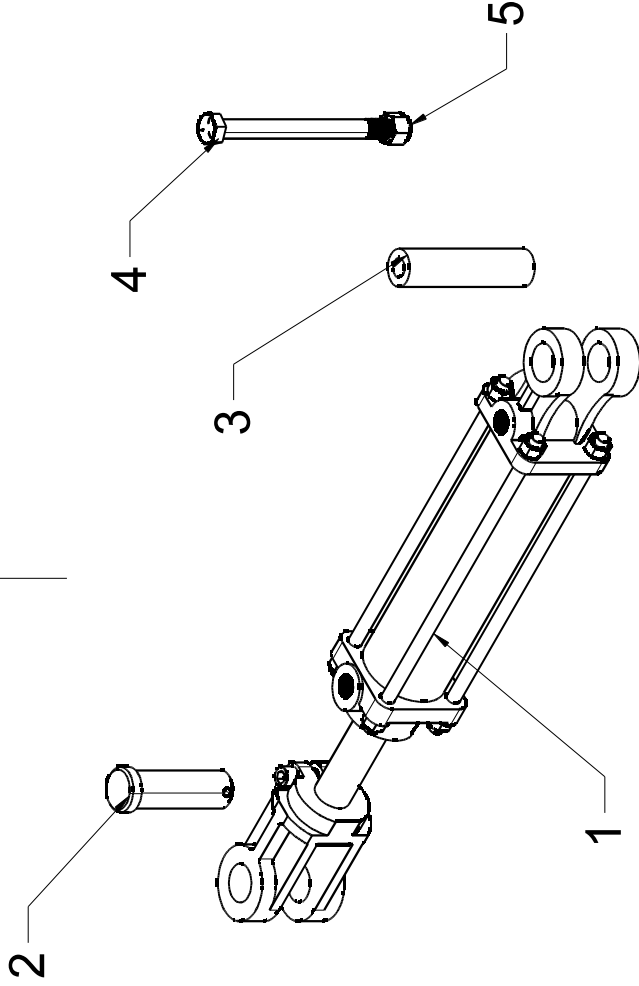
| Item # | Part Number | QTY | Description                              |
|--------|-------------|-----|------------------------------------------|
| 1      | NE-1100018  | 1   | Hyd Valve                                |
| 2      | AB123       | 2   | Hex Bolt 3/8-16 x 5 Gr5                  |
| 3      | NE-110034   | 2   | SAE 12(male) x 1/2npt(female)            |
| 4      | NE-110036-X | 2   | Hyd Hose 1/2 with 1/2npt male ends       |
| 5      | NE-110015   | 2   | SAE 10(male) x 1/2npt swivel(female)     |
| 6      | NE-110034   | 2   | SAE 12(male) x 1/2npt(female)            |
| 7      | NE-110025   | 2   | Hyd Hose 1/2" with 1/2npt ends           |
| 8      | NE-110021   | 1   | Flat Faced Coupler (1/2npt)              |
| 9      | NE-110022   | 1   | Flat Faced Nipple (1/2npt)               |
| 10     | NE-110037   | 1   | Hyd Hose 3/8 x 24" with 3/8npt male ends |
| 11     | NE-110035   | 2   | SAE 06(male) x 3/8npt swivel(female) 90° |
| 12     | NE-110038   | 1   | Hyd Hose 3/8 x 18" with 3/8npt male ends |

### NE-110036-X Hose Length

| 6Ft | 7FT | 8FT | 9FT |
|-----|-----|-----|-----|
| 48" | 48" | 60" | 60" |



| REVISIONS |     |             |      |          |
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| ZONE      | REV | DESCRIPTION | DATE | APPROVED |



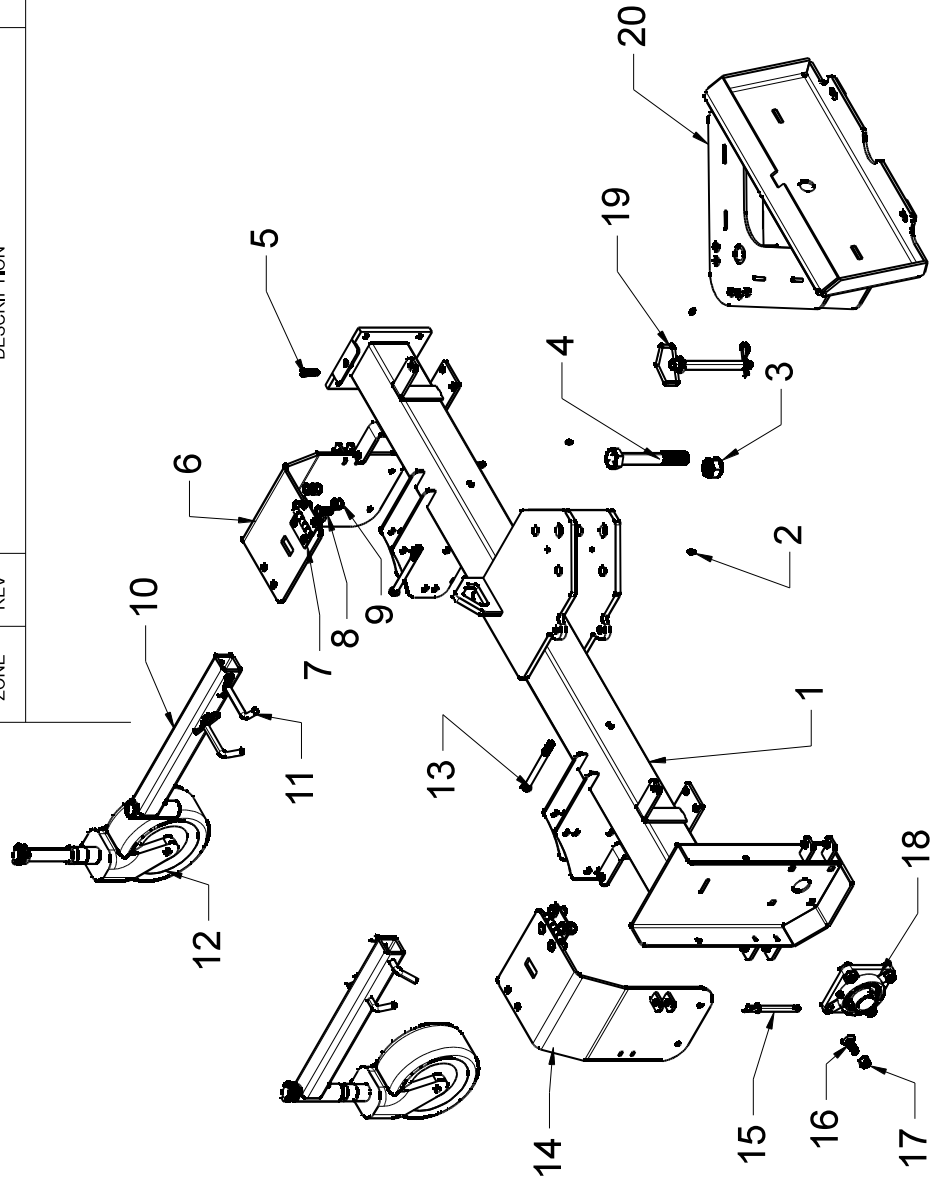
|                                                                                                                   |              |                 |                                                             |          |         |
|-------------------------------------------------------------------------------------------------------------------|--------------|-----------------|-------------------------------------------------------------|----------|---------|
| UNLESS OTHERWISE NOTED<br>TOLERANCES ARE AS FOLLOWS<br>.XX= ±<br>.XXX= ±<br><b>BENDS= ± 1°</b><br><b>MATERIAL</b> | DRAWN<br>MWO | DATE<br>1/10/24 | Nortec Equipment LLC<br>5311 Fuller St.<br>Weston, WI 54476 |          |         |
|                                                                                                                   | CHECKED      |                 | HYD CYLINDER ASSEMBLY                                       |          |         |
|                                                                                                                   | QA           |                 |                                                             |          |         |
|                                                                                                                   | MFG          |                 | SIZE<br><b>A</b>                                            | FSCM NO. | DWG NO. |
| APPROVED                                                                                                          |              |                 | SCALE                                                       | SHEET    | 1 OF 1  |



## Hydraulic Cylinder Assembly

| Item # | Part Number | QTY | Description               |
|--------|-------------|-----|---------------------------|
| 1      | NE-110002   | 1   | Hyd Cyl. 2"bore 6" stroke |
| 2      | NE-110031   | 1   | Hyd Cyl pin 1"            |
| 3      | NE-300005   | 1   | Hyd Cyl Pivot Tube        |
| 4      | AC226       | 1   | Hex Bolt 1/2-13 x 6.5 Gr5 |
| 5      | CG030       | 1   | Nylock Nut 1/2-13         |

| REVISIONS |     |             |          |
|-----------|-----|-------------|----------|
| ZONE      | REV | DESCRIPTION | DATE     |
|           |     |             | APPROVED |



|                                                                                                                   |              |                  |                                                             |                     |
|-------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------------------------------------------------------|---------------------|
| UNLESS OTHERWISE NOTED<br>TOLERANCES ARE AS FOLLOWS<br>.XX= ±<br>.XXX= ±<br><b>BENDS= ± 1°</b><br><b>MATERIAL</b> | DRAWN<br>MWO | DATE<br>10/10/24 | Nortec Equipment LLC<br>5311 Fuller St.<br>Weston, WI 54476 |                     |
|                                                                                                                   | CHECKED      |                  | MINI SKID STEER FRAME ASSEMBLY                              |                     |
|                                                                                                                   | QA           |                  | SIZE<br><b>A</b>                                            | FSCM NO.<br>DWG NO. |
|                                                                                                                   | MFG          |                  | SCALE                                                       | REV                 |
| APPROVED                                                                                                          |              |                  | SHEET                                                       | 1 OF 1              |

## Mini-Skid Steer Frame Assembly

| Item #     | Part Number  | QTY | Description                  |
|------------|--------------|-----|------------------------------|
| 1          | NE-450000-X  | 1   | Mini-Skid Steer Frame        |
| 2          | F0102        | 3   | Grease Zerk 1/8 NPT Straight |
| 3          | CG0458       | 1   | Nylock Nut 1-8 Gr8           |
| 4          | AE476        | 1   | Hex Bolt 1-8 x 6.5 Gr8       |
| 5          | AC109        | 1   | Hex Bolt 3/8-16 x 1-1/4 Gr5  |
| 6          | NE-610000    | 1   | Right Side End Shield        |
| 7          | NE-600002    | 2   | Shield Hinge                 |
| 8          | AC205        | 8   | Hex Bolt 1/2-13 x 1 Gr5      |
| 9          | CG030        | 8   | Nylock Nut 1/2-13            |
| 10         | NE-70000     | 2   | Guidwheel Arm                |
| 11         | NE-110032    | 4   | 1/2 Bent Pin 4"              |
| 12         | NE-70005     | 2   | Guide Wheel Assembly         |
| 13         | AC223        | 2   | Hex Bolt 1/2-13 x 5 Gr5      |
| 14         | NE-620000    | 1   | Left Side End Shield         |
| 15         | NE-600003    | 2   | Shield Lock Pin (1/2")       |
| 16         | BF5611       | 4   | Carr. Bolt 1/2-13 x 2 Gr5    |
| 17         | CG030        | 4   | Nylock Nut 1/2-13            |
| 18         | NE-100001-17 | 1   | Flange Bearing 1-1/2         |
| 19         | NE-110045    | 1   | .75 x 7.75 OAL Pin           |
| 20         | NE-250000    | 1   | Mini-Skid Mount(Universal)   |
| <b>Sub</b> | 20           | 1   | Mini-Skid Mount(Bobcat MT)   |

**Machine Length =X**

|            |            |
|------------|------------|
| <b>4ft</b> | <b>5ft</b> |
| X=4        | X=5        |